

QUARTERLY CAPITAL PROJECTS STATUS REPORT

Reporting Agency: Administrative Office of the Courts

Report Quarter: 2023-2 (April)

Print Date: 04/14/2023

<u>Cabinet/Agency/Project Title</u>	<u>County</u>	<u>Initial Auth</u>	<u>Status</u>	<u>Constr % Compl</u>	<u>Contract Compl</u>	<u>Actual Subst</u>
Judicial Branch/AOC						
Barren County	Barren	2020-2022	Design/Phase A			
Bath County (Construction)	Bath	2018-2020	Revising/Rebidding			
Butler County	Butler	2020-2022	Design/Phase A			
Clinton County	Clinton	2020-2022	Design/Phase A			
Crittenden County	Crittenden	2020-2022	Design/Phase C			
Electronic Court Filing System	Multi	2022-2024	Planning			
Graves County	Graves	2022-2024	A/E Selection			
* Hardin County - HVAC	Hardin	2022-2024	Design/Phase C			
Henry County (Renovation/Addition)	Henry	2014-2016	Complete/Closed Out	100	09/01/21	09/18/21
* Jefferson County Judicial Center - Carpet and Paint	Jefferson	2022-2024	Planning			
Jessamine County	Jessamine	2020-2022	Design/Phase B			
Leslie County	Leslie	2022-2024	A/E Selection			
Madison County (Renovation)	Madison	2020-2022	Bidding			
Nicholas County	Nicholas	2014-2016	Complete/Closed Out	100	11/01/21	11/01/21
Oldham County (Renovation/Addition)	Oldham	2018-2020	In Construction	1	09/03/25	
Scott County	Scott	2020-2022	Design/Phase B			

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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Department of Education/Operations and Support Services						
* Construct Kentucky FFA Leadership Training Classrooms and Activity Center	Breckinridge	2022-2024	A/E Selection			
* Kentucky School for the Deaf Lee Hall Renovation	Boyle	2022-2024	A/E Selection			
* KSB Howser Hall Renovation	Jefferson	2016-2018	Complete/Not Closed Out	100	06/13/19	06/13/19
* KSB McDaniel/Scoggin Educational Building	Jefferson	2016-2018	Complete/Not Closed Out	100	09/02/18	09/02/18
* KSD New Elementary Building	Boyle	2016-2018	Complete/Not Closed Out	100	02/21/19	02/21/19
* State Schools Dormitory and Cottage Renovations	Multi	2022-2024	A/E Selection			
* State Schools HVAC Pool - 2020-2022 - Kentucky School for the Deaf HVAC Reported to CPBOC on 11/17/2022	Boyle	Pool	A/E Selection			
* State Schools Roof Repair and Replacement Pool - 2020-22 - Kentucky School for the Blind Roofs Reported to CPBOC on 7/21/2022	Jefferson	Pool	In Construction	70	04/15/23	
* State Schools Roof Repair and Replacement Pool - 2022-24 - Kentucky School for the Deaf Roofs Reported to CPBOC on 7/21/2022	Boyle	Pool	Construction/Multiple Bid Packs		05/09/23	
Education and Labor Cabinet/General Administration						
Construct Carl D. Perkins Fork Truck Storage and Training Building Comments: Phase A docs being drawn	Johnson	2022-2024	Design/Phase A			
Renovate Carl D. Perkins Medical Wing Comments: Moving to RTA's	Johnson	2022-2024	Design/Phase C			
Renovate McDowell Vocational Rehabilitation Center Comments: Need to complete punch list items	Jefferson	2022-2024	In Construction	95	02/01/23	
Education and Labor Cabinet/KY Educational Television						
KET FCC Repacking	Multi	CPBOC-8/01/17	Complete/Closed Out	100	04/26/19	04/26/19
* Public Safety Emergency Warning and Alerting	Multi	2022-2024	Awaiting Initiation by Agency			

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* Transmitter and Repack Addition to KET FCC Repacking - ancillary systems and equipment upgrades that the FCC program will not reimburse as well as replacement of microwave radios	Multi	2018-2020	Complete/Not Closed Out	100	08/01/19	08/01/19
Energy & Environment Cabinet/Environmental Protection						
* Maxey Flats Cap	Fleming	2012-2014	Construction/Multiple Bid Packs			
* Southern Wood Treatment Site	Montgomery	2022-2024	Awaiting Initiation by Agency			
* State-Owned Dam Repair - Boltz Lake Dam	Grant	Pool	Awaiting Initiation by Agency			
* State-Owned Dam Repair - Bullock Pen Lake Dam	Multi	Pool	Complete/Not Closed Out	100	08/02/21	08/02/21
* State-Owned Dam Repair - Cannon Creek Dam	Bell	Pool	Awaiting Initiation by Agency			
* State-Owned Dam Repair - Clements Lake Dam	Rowan	Pool	Awaiting Initiation by Agency			
* State-Owned Dam Repair - Marion County Sportsmans Club Lake Dam	Marion	Pool	Awaiting Initiation by Agency			
* State-Owned Dam Repair - Scenic Lake Dam	Henderson	Pool	Complete/Not Closed Out	100	03/02/22	03/02/22
* State-Owned Dam Repair - Willisburg Lake Dam	Washington	Pool	A/E Selection			
Finance and Administration Cabinet/Facilities & Support Services						
* Air Handler Replacement and Repair - Central Lab Reallocation from Upgrade State Data Center Readiness (\$112,320) and Council of State Governments Building Complex (\$77,380) Comments: Project is complete awaiting final O&M Manuals etc to close contract.	Franklin	2020-2022	In Construction	99	12/29/22	
* Cabinet for Human Services Building - Escalators Replacement/Elevators Upgrade Comments: Contractor is finalizing shoring plan to begin demolition. No major issues or concerns.	Franklin	2022-2024	In Construction	5	11/29/24	
* Capitol Campus Renovation \$5 million was reallocated from Fourth Floor Capitol Renovation	Franklin	2020-2022	Design/Phase A			
* Capitol Campus Renovation - Phase II	Franklin	2022-2024	Awaiting Initiation by Agency			
* DFSS Maintenance Pool - 2018-20 - Central Lab Boiler Replacement Reported to CPBOC on 10/15/2019	Franklin	Pool	Complete/Not Closed Out	100	03/20/21	11/20/20

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* DFSS Maintenance Pool - 2020-22 - Capitol Annex Exterior Repairs Reported to CPBOC on 9/29/2022	Franklin	Pool	Awarding Contract			
* DFSS Maintenance Pool - 2020-22 - Governor's Mansion Chiller and Water Line Reported to CPBOC on 7/30/2021	Franklin	Pool	Complete/In Warranty	100	06/30/22	06/30/22
* DFSS Maintenance Pool - 2020-22 - Health Services Building, HVAC & Piping, Phase II Reported to CPBOC on 9/23/2021 Comments: Delays with controls components and space changes by the tenant group have delayed final completion	Franklin	Pool	In Construction	98	09/30/22	
* DFSS Maintenance Pool - 2020-22 - Libraries and Archives HVAC Replacement Reported to CPBOC on 5/19/2022 Comments: Project on schedule and on budget	Franklin	Pool	In Construction	55	05/06/23	
* DFSS Maintenance Pools - CHR Central Utility Plant Optimization Reported to CPBOC on 10/27/2022 Comments: Project on schedule and on budget	Franklin	Pool	In Construction	20	10/10/23	
* DFSS Maintenance Pools - Halon System Replacement Reported to CPBOC on 11/19/2020	Franklin	Pool	Complete/Not Closed Out	100	01/10/22	01/10/22
* Elevator Upgrades Phase 1	Multi	2020-2022	In Construction	60	05/31/23	
* Emergency Generator Repair or Replacement, COT/CHR	Franklin	2018-2020	Complete/Closed Out	100	05/15/21	05/15/21
* Fourth Floor Capitol Renovation \$5 million in bond funds authorized was reallocated to Capitol Campus Renovation	Franklin	2020-2022	Cancelled			
* HVAC Replacement - CHR Building Comments: Liebert Units have been delivered and are being installed.	Franklin	2016-2018	In Construction	99	03/05/23	
* HVAC Replacement and Repair COT Building Comments: Finalizing cost for last bid pack.	Franklin	2020-2022	Construction/Multiple Bid Packs			
* Install Energy Management System Controls	Multi	2014-2016	Complete/Closed Out		06/29/22	06/30/21
* L & N Building Exterior Upgrade	Jefferson	2022-2024	Design/Phase A			
* L&N Building Security and Structural Upgrades	Jefferson	2018-2020	Complete/Not Closed Out	100	03/20/22	03/20/22

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* Upgrade Capitol Mechanical and Electrical System, Phase I	Franklin	2018-2020	Revising/Rebidding			
* Upgrade L&N Building	Jefferson	2016-2018	Complete/Not Closed Out	100	08/31/19	07/31/19
General Government Cabinet/KY River Authority						
Construct Lock and Dam 10	Multi	2016-2018	Complete/Not Closed Out	100	12/03/21	12/03/21
Design and Repair Dam 7	Multi	2022-2024	Awaiting Initiation by Agency			
Design Lock 5	Multi	2022-2024	Awaiting Initiation by Agency			
Locks 2 and 3 Upper Guide Wall Repairs Initiated under prior 2020-2022 authorization	Multi	2022-2024	Revising/Rebidding			
General Government Cabinet/Military Affairs						
* Armory Modernization and DMA Maintenance Pools - 2018-20 - DMA Lexington NGA Interior Upgrade Submitted as new project rather than reported as a pool allocation	Fayette	CPBOC-1/01/20	Complete/Not Closed Out	100	10/24/20	10/24/20
* Armory Modernization Pool - 2018-20 - DMA Leitchfield Readiness Center Assembly Hall Addition Reported to CPBOC on 10/15/2019	Grayson	Pool	Complete/Not Closed Out	100	03/15/21	03/15/21
Construct Chargeable Housing Facility Wendell H. Ford Regional Training Center	Muhlenberg	2022-2024	Awaiting Initiation by Agency			
Construct Civil Support Team Facility	Jefferson	2022-2024	Awaiting Initiation by Agency			
* Construct Conditioned Storage Facility - Kentucky Emergency Management	Franklin	2022-2024	A/E Selection			
Construct Field Maintenance Shop - Louisville	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Field Maintenance Shop 1 Addition - Ashland	Boyd	2022-2024	Awaiting Initiation by Agency			
Construct Harold L. Disney Training Site Athletic Field	Knox	2022-2024	Awaiting Initiation by Agency			
Construct New Barracks at Harold L. Disney Training Site	Knox	2022-2024	Awaiting Initiation by Agency			
Construct New Barracks at Wendell H. Ford Regional Training Center	Muhlenberg	2022-2024	Awaiting Initiation by Agency			

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* Construct Readiness Center Somerset	Pulaski	2022-2024	Awaiting Initiation by Agency			
Construct Response Group Building KyANG Phase 1	Jefferson	2018-2020	Complete/In Warranty		04/22/22	04/22/22
Construct Support Building Wendell H. Ford Regional Training Center	Muhlenberg	2022-2024	Awaiting Initiation by Agency			
DMA Appalachian Challenge Academy Upgrades	Harlan	CPBOC-5/01/22	Complete/In Warranty	100	09/09/22	09/09/22
* DMA Barbourville Readiness Center Latrine Upgrade	Knox	CPBOC-6/01/20	Complete/In Warranty	100	10/18/22	10/18/22
DMA Bluegrass Station Building 415 Modification	Fayette	CPBOC-7/01/20	Complete/Not Closed Out	100	03/08/21	03/08/21
* DMA Boone National Guard Center Emergency Operations Center Renovation	Franklin	CPBOC-8/01/19	Complete/Not Closed Out	100	08/21/20	09/22/20
* DMA Boone National Guard Center Rear Access Control Point	Franklin	CPBOC-5/01/22	In Construction	5	09/13/23	
* DMA Boone National Guard Center SEOC Window Replacement	Franklin	CPBOC-8/01/21	Planning			
* DMA Bowman Field Annex Readiness Center Interior Restoration	Jefferson	CPBOC-5/01/22	In Construction	48	01/02/24	
DMA Construct Burlington Field Maintenance Shop	Boone	CPBOC-5/01/22	Design/Phase A			
DMA Construct Joint Force Headquarters Boone National Guard Center	Franklin	CPBOC-1/01/20	In Construction	48	08/28/23	
* DMA Danville Readiness Center Interior Restoration	Boyle	CPBOC-7/01/22	In Construction	13	06/05/23	
DMA Harold L. Disney Training Site Mobile Operations Urban Training Site Enhancement	Knox	CPBOC-8/01/20	Complete/Closed Out	100	12/24/21	12/24/21
DMA Interior Renovation Wellman Armory - Boone National Guard Center	Franklin	CPBOC-10/01/17	Complete/Not Closed Out	100	04/29/19	04/29/19
DMA Jackson Readiness Center Interior Restoration	Breathitt	CPBOC-8/01/21	In Construction	23	07/27/23	
DMA Murray Readiness Center Interior Restoration	Calloway	CPBOC-8/01/21	In Construction	52	04/06/23	
Comments: Change order to extend date is under review						
DMA Records Holding Facility - Boone National Guard Center	Franklin	CPBOC-10/01/17	Complete/Not Closed Out	100	12/07/18	07/02/19
DMA Richmond Field Maintenance Shop No. 4 Bay Addition	Madison	CPBOC-9/01/16	Complete/Not Closed Out	100	06/19/17	08/04/17

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* DMA Richmond Readiness Center Interior Modernization	Madison	CPBOC-6/01/20	Complete/Not Closed Out	100	11/09/21	11/09/21
DMA Springfield Readiness Center Latrine Restoration	Washington	CPBOC-8/01/21	Complete/In Warranty	100	08/17/22	08/17/22
DMA Wendell H. Ford Regional Training Center 1103rd Military Police RC/Provost/Welcome Center	Muhlenberg	CPBOC-6/01/20	Complete/Not Closed Out	100	10/01/21	11/13/21
DMA Wendell H. Ford Regional Training Center Bridge	Muhlenberg	CPBOC-10/01/19	Complete/Not Closed Out	100	11/02/20	11/18/20
DMA Wendell H. Ford Regional Training Center Cypress Creek Restoration	Muhlenberg	CPBOC-8/01/19	Design/Phase C			
DMA Wendell H. Ford Regional Training Center Fire Station Addition	Muhlenberg	CPBOC-6/01/20	Complete/Not Closed Out	100	09/02/21	09/27/21
DMA Wendell H. Ford Regional Training Center Multipurpose Athletic Field	Muhlenberg	CPBOC-6/01/20	Complete/Closed Out	100	05/27/21	05/27/21
Install Solar Energy Photovoltaic Panels	Multi	2022-2024	Awaiting Initiation by Agency			
Install Solar Panels at Armories Statewide	Multi	2018-2020	Construction/Multiple Bid Packs			
Comments: Current bid pack is 85% complete						
Install Solar Panels at Armories Statewide	Multi	2022-2024	Awaiting Initiation by Agency			
Replace and Repair Roofs Bluegrass Station	Fayette	2022-2024	Awaiting Initiation by Agency			
Comments: Still waiting for UA to initiate						
General Government Cabinet/Veterans' Affairs						
* Construct Bowling Green Veterans Center	Warren	2020-2022	In Construction	11	08/07/24	
* Design and Preconstruction - Bowling Green Veterans Center	Warren	Other	In Construction	11	08/07/24	
Authorization - House Bill 24 (2020 Regular Session)						
Emergency Replacement Nurse Call System - Western KY Veterans' Center	Hopkins	CPBOC-11/01/20	In Construction	95	11/30/23	
Expansion of Lawn Crypts - Kentucky Veterans Cemetery West	Christian	2022-2024	Awaiting Initiation by Agency			
Improve/Expand Pavement and Parking Areas	Multi	2020-2022	Complete/Closed Out	100	10/18/21	10/18/21
* Nurse Call System	Multi	2018-2020	Complete/In Warranty	100	09/30/22	09/30/22

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* Radcliff Veterans' Center Building Repairs	Hardin	CPBOC-6/01/22	Design/Phase C			
Replace Cooling Towers and Domestic Water System - Eastern Kentucky Veterans Center	Perry	2022-2024	In Construction	8	07/07/23	
* Replace Heating and Cooling Systems - Western Kentucky Veterans Center	Hopkins	2022-2024	A/E Selection			
Health and Family Services Cabinet/Behavioral Health						
* CHFS Maintenance Pools - Kentucky Correctional Psychiatric Center Roof Replacement Reported to CPBOC on 5/18/2021 (allocations from 2018-20 and 2020-22 bond-funded maintenance pools)	Oldham	Pool	Complete/Closed Out	100	03/24/22	04/22/22
* CHFS Maintenance Pools - Western State Hospital - HVAC Repairs and Patient Safety Enhancements Reported to CPBOC on 6/18/2019 (allocations from 2014-16, 2016-18, and 2018-20 bond-funded maintenance pools)	Christian	Pool	Complete/Closed Out	100	03/17/21	03/18/21
* Electrical & Telecom Upgrade-Western State Hospital Phase II Comments: Duct banks installed. Core drilling ongoing.	Christian	2018-2020	In Construction	25	09/10/23	
* Electrical System Upgrade at Western State Hospital - Design	Christian	2012-2014	Design/Phase C			
* HVAC System Replacement - Hazelwood Comments: Bid Pack 2 is 50% complete	Jefferson	2018-2020	Construction/Multiple Bid Packs			
* Oakwood Renovate/Replace Cottages - Phase II Comments: UA is setting up meeting to redo ready to advertise documents with lessons learned from just occupied phase 1	Pulaski	2020-2022	Design/Phase C			
* Oakwood Renovate/Replace Cottages - Phase III Comments: Waiting for UA to initiate	Pulaski	2022-2024	Awaiting Initiation by Agency			
* Renovate/Replace Cottages - Oakwood, Phase I	Pulaski	2018-2020	Complete/Not Closed Out	100	03/04/22	03/04/22
* Western State Hospital - HVAC and Electrical Upgrades	Christian	2022-2024	Awaiting Initiation by Agency			
* Western State Hospital-Electrical Upgrade - Phase III Comments: Phase A docs uploaded	Christian	2020-2022	Design/Phase A			
* Western State Hospital-Electrical Upgrade-Phase I	Christian	2016-2018	Complete/Not Closed Out	100	03/01/21	04/26/19

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Health and Family Services Cabinet/Medicaid Administration						
Renovate CHR Complex Sixth Floor	Franklin	2022-2024	Planning			
Justice and Public Safety Cabinet/Corrections						
* Corrections Maintenance Pool - 2016-18 - Reformatory Psychiatric Treatment Unit HVAC Replacement Reported to CPBOC on 2/21/2017	Oldham	Pool	Planning			
* Corrections Maintenance Pools - Green River Correctional Complex Security Control for Buildings Reported to CPBOC on 8/19/2020 (allocations from 2018-20 and 2020-22 bond-funded maintenance pools) Comments: Contractor has performed very poorly. Working diligently to get completed. Meetings being held weekly with Contractor for over a year. Meetings with Bond company also taking place.	Muhlenberg	Pool	In Construction	65	01/13/22	
* Corrections Maintenance Pools - Kentucky State Penitentiary 5 Cellhouse Sewer Repairs Reported to CPBOC on 12/15/2022 Comments: 10% construction.	Lyon	Pool	In Construction	10	10/28/23	
* Corrections Maintenance Pools - Roederer Correctional Complex Kitchen Drain Line Repair/Replacement Reported to CPBOC on 10/27/2022	Oldham	Pool	In Construction	35	06/15/23	
* Demolish and Repair Tower Kentucky State Reformatory Reallocation from Stabilization of Dorm 8 Kentucky State Reformatory (\$4.155 million) and Repair and Stabilize Tower Kentucky State Reformatory (\$3.716 million) \$4.2 million of the \$7.871 million in bond funds authorized was reallocated to Design Relocation of Corrections Medical Facility	Oldham	2018-2020	Cancelled			
* Design of the Expansion of Little Sandy Correctional Complex	Elliott	2020-2022	In Construction	10	11/07/24	
* Design Relocation of Corrections Medical Facility Reallocation from the Demolish and Repair Tower Kentucky State Reformatory (\$4,200,000) and Replace Perimeter Fence, Kentucky State Reformatory (\$2,800,000)	Oldham	2020-2022	Design/Phase C			
* Kentucky Correctional Institution for Women-Sewer Plant/Line	Shelby	2016-2018	In Construction	1	10/06/23	

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* Kentucky State Penitentiary - Security Fence Addition	Lyon	2022-2024	A/E Selection			
* Little Sandy Correctional Complex - Expansion - Replace Reformat	Elliott	2022-2024	In Construction	10	11/07/24	
* Relocate Medical Services	Fayette	2022-2024	Awaiting Initiation by Agency			
* Repair and Stabilize Tower Kentucky State Reformatory \$3.716 million of the \$3.797 million in bond funds authorized was reallocated to Demolish & Repair Tower KSR	Oldham	2016-2018	Cancelled			
* Repair/Replace Roofs - Eastern Kentucky Correctional Complex	Morgan	2020-2022	Complete/In Warranty	100	01/13/23	01/13/23
* Replace Perimeter Fence, Kentucky State Reformatory \$2.8 million of the \$3.116 million in bond funds authorized was reallocated to Design Relocation of Corrections Medical Facility	Oldham	2018-2020	Cancelled			
* Stabilization of Dorm 8 Kentucky State Reformatory \$4.155 million in bond funds authorized was reallocated to Demolish and Repair Tower KSR	Oldham	2016-2018	Cancelled			
* Various - Water Tower Painting/Repairs Comments: Awaiting Phase A docs	Multi	2022-2024	Design/Phase A			

Justice and Public Safety Cabinet/Criminal Justice Training

Bizzack Complex HVAC Repair/Replacement Comments: Final Bid Pack is near completion. Project closing soon.	Madison	2016-2018	Construction/Multiple Bid Packs			
Criminal Justice Training Maintenance Pool - 2020-22 - Schwendeman-Thompson HVAC & Bldng Sys Upgrade Reported to CPBOC on 9/23/2021 Comments: processed final change to duct work due to air flow issues.	Madison	Pool	In Construction	98	04/02/23	
Funderburk Building HVAC Upgrade Comments: Awaiting final O&M documents for final bid package.	Madison	2016-2018	Construction/Multiple Bid Packs			
* New Indoor Firing Range Comments: Bid Date is April 25, 2023	Madison	2022-2024	Bidding			

Justice and Public Safety Cabinet/State Police

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* KY Emergency Warning System (KEWS) Fiberglass Shelter Replacement	Multi	2022-2024	Planning			
* Posts 7 (Richmond) & 10 (Harlan) Construction	Multi	2022-2024	Design/Phase A			
Postsecondary Education Cabinet/Eastern Kentucky University						
* Construct Science Building - Phase 2 and 3	Madison	2014-2016	Complete/Closed Out	100	10/25/17	08/17/17
Postsecondary Education Cabinet/Kentucky State University						
Acquire Land/Campus Master Plan	Franklin	2022-2024	Awaiting Initiation by Agency			
* Asset Preservation Pool - 2022-2024	Franklin	2022-2024	Awaiting Initiation by Agency			
Center for Families and Children	Franklin	CPBOC-12/01/08	Complete/Not Closed Out	100	12/02/11	12/29/11
Construct New Residence Hall Approved pursuant to KRS 45.763 CPBOC approved development agreement on April 20, 2021 Comments: Agency to update status	Franklin	2020-2022	In Construction	82	01/01/23	
Kentucky State University Old Federal Building Renovation, Phase I	Franklin	CPBOC-12/01/09	Complete/Closed Out	100	07/20/12	07/20/12
Mold Remediation and Mechanical Repairs - The Halls	Franklin	CPBOC-2/01/19	Complete/Not Closed Out	100	07/26/19	07/26/19
Renovate Atwood Agricultural Research Building	Franklin	2012-2014	Complete/Not Closed Out	100	09/21/20	09/21/20
Renovate Hunter Hall	Franklin	CPBOC-7/01/21	In Construction	90	04/19/23	
* Repair Boilers and Aging Distribution Lines Comments: Awaiting Direction from Agency concerning next lines to be replaced.	Franklin	2014-2016	Complete/Closed Out		10/20/21	10/20/21
Postsecondary Education Cabinet/KY Community and Technical College System						
Acquire and Improve Parking Lots - Jefferson CTC	Multi	2020-2022	Construction/Multiple Bid Packs			
* Asset Preservation Pool - 2022-24 - Madisonville Community College Glema Mahr Roof Reported to CPBOC on 9/29/2022	Hopkins	Pool	In Construction	86	04/15/23	
* Construct Advanced Manufacturing Facility - Bluegrass CTC	Scott	2014-2016	Complete/Not Closed Out	100	12/28/17	12/28/17

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Construct Ag Health & Career Tech - Hopkinsville CC Ph I	Christian	2014-2016	Complete/Not Closed Out	100	07/10/19	09/16/19
Construct Fire Commission Five Story Training Drill Tower	Muhlenberg	2020-2022	Design/Phase A			
Construct Fire Commission NRPC Classroom Building	Muhlenberg	2020-2022	In Construction	45	11/02/23	
Construct Instructional Complex - Southcentral CTC	Warren	2014-2016	Complete/Not Closed Out	100	03/14/18	03/14/18
Construct National Responder Preparedness Center Parking Lot (Driving Course) - Fire Commission	Muhlenberg	2018-2020	Complete/Not Closed Out	100	01/20/21	01/04/21
Construct New Entrance - Leestown - Bluegrass CTC	Fayette	2016-2018	Complete/Closed Out	100	08/28/17	09/21/17
Construct Parking Garage - Jefferson CTC	Jefferson	2022-2024	Design/Phase A			
* Construct Student/Classroom [Instructional Facility] - Bluegrass CTC Newtown Comments: Waiting for UA to initiate	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Procure Transportation Center - Elizabethtown CTC	Hardin	2020-2022	Awaiting Initiation by Agency			
Design and Construct Newtown Campus, Phase I - Bluegrass CTC	Fayette	2012-2014	Complete/Closed Out	100	07/28/14	07/28/14
Emergency Building Repairs, Hazard Community and Technical College	Knott	CPBOC-11/01/22	Planning			
Emergency Building Repairs, Southeast Kentucky Community and Technical College	Letcher	CPBOC-11/01/22	Planning			
* Expand Leitchfield Campus - Elizabethtown CTC	Grayson	2022-2024	Awaiting Initiation by Agency			
Procure Postsecondary Education Center Phase II - Maysville CTC	Rowan	2022-2024	Awaiting Initiation by Agency			
Property Acquisition - Fire Commission	Laurel	2022-2024	Awaiting Initiation by Agency			
Property Acquisition - Hopkinsville CC	Christian	2022-2024	Awaiting Initiation by Agency			
Relocate and Demolish Student Center - Henderson CC Comments: Building has been removed, weather dependant site restoration is incomplete. CO will be issued to extend contract date	Henderson	2022-2024	In Construction	95	02/06/23	
Renovate Administration Building - Bluegrass CTC Newtown	Fayette	2022-2024	Design/Phase A			

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Renovate Advance Manufacturing and Construction Center - Hazard CTC	Perry	2020-2022	Design/Phase C			
Renovate Dental Hygiene Clinic - Big Sandy CTC - Mayo Campus	Johnson	2018-2020	Complete/In Warranty	100	10/17/22	10/17/22
Renovate Industrial Education Building - Hazard CTC	Perry	2020-2022	Design/Phase C			
Renovate Laurel South Campus Phase I - Somerset CC	Laurel	2022-2024	Awaiting Initiation by Agency			
Renovate Main Campus Buildings - Southcentral Kentucky CTC	Warren	2022-2024	Design/Phase A			
Renovate Newtown Campus North Buildings - Bluegrass CTC	Fayette	2020-2022	Design/Phase C			
* Renovate Occupational Technical Building Phase I - Elizabethtown CTC	Hardin	2022-2024	Awaiting Initiation by Agency			
Renovate Science Building Labs - Elizabethtown CTC	Hardin	2022-2024	Design/Phase A			
Renovate Student Center Building - Elizabethtown CTC	Hardin	2016-2018	In Construction	64	04/10/23	
Comments: Project extension under review						
Replace Hartford Building Phase I - Jefferson CTC	Jefferson	2022-2024	Design/Phase A			
Replace Windows and Doors - Somerset CC	Pulaski	2022-2024	Awaiting Initiation by Agency			
Roof Replacements - Ashland CTC	Boyd	2022-2024	A/E Selection			
Upgrade ADA - Somerset CC	Multi	2022-2024	Awaiting Initiation by Agency			
Upgrade Newtown Campus Buildings and Infrastructure - Bluegrass	Fayette	2016-2018	Complete/Not Closed Out	100	12/27/21	12/27/21
* Workforce Development Construction Pool - Constr. Adv. Manuf. Ctr. - Bluegrass CTC, Danville	Boyle	Pool	Complete/Not Closed Out	100	03/09/21	01/26/21
\$2.736 million bond funded Workforce Development Construction Pool allocation with use of \$5 million in restricted funds authorized in HB 200; pool allocation reported to CPBOC on 8/21/2018.						
* Workforce Development Construction Pool - Constr. Adv. Manuf. Ctr. - Jefferson CTC, Downtown	Jefferson	Pool	Complete/Not Closed Out	100	09/30/21	09/30/21
Match for \$15.2 million bond funded Workforce Development Construction Pool allocation was approved by CPBOC on 9/19/2017.						
Workforce Development Construction Pool - Constr. Community Intergenerational Ctr. -Hazard CTC, Lees	Breathitt	2014-2016	Complete/Closed Out	100	12/28/19	10/09/19
\$2 million for the design portion was authorized in HB 235 as a KCTCS BuildSmart Investment for Kentucky Competitiveness project. Match for \$2.88 million bond funded Workforce Development Construction Pool allocation was approved by CPBOC on 9/19/2017.						

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Workforce Development Construction Pool - Renovate Leestown Campus - Bluegrass CTC \$3.04 million bond funded Workforce Development Construction Pool allocation with use of \$2.935 million of the \$6 million in restricted funds authorized in HB 303; pool allocation reported to CPBOC on 2/20/2018. Comments: WAITING FOR UA TO INITIATE PROJECT	Fayette	2016-2018	Pending Authorization			
* Workforce Development Construction Pool - Renovate/ Equip Manufacturing Labs - West Kentucky CTC \$3.04 million bond funded Workforce Development Construction Pool allocation was reported to CPBOC on 9/19/2017.	McCracken	Pool	Complete/Closed Out	100	11/30/18	11/30/18
* Workforce Development Construction Pool - Renovate/ Equip Manufacturing Labs -Owensboro CTC, Downtwn Match for \$2.858 million bond funded Workforce Development Construction Pool allocation was approved by CPBOC on 9/19/2017.	Daviess	Pool	Complete/Closed Out	100	04/12/19	04/12/19
* Workforce Development Construction Pool - Welding Facility Renov./Training Lab Addit. - Hopkinsville The \$1.6 million restricted funds authorization in HB 303 will not be used for the \$321,180 restricted funds match. Match for \$2.353 million bond funded Workforce Development Construction Pool allocation was approved by CPBOC as a scope increase on 2/20/18.	Christian	Pool	Complete/Not Closed Out	100	09/11/20	09/11/20

Postsecondary Education Cabinet/KY Higher Education Assistance Authority

KHEEA Building - HVAC and Roof Repair Comments: On Schedule on Budget	Franklin	2022-2024	In Construction	7	02/26/24	
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Tourism, Arts & Heritage Cabinet/Fish & Wildlife Resources

Ballard Wildlife Management Area "Big Pump" Comments: Phase C Design, Ducks Unlimited is creating the design and permitting as part of the match of the federal funding.	Ballard	CPBOC-5/01/22	Design/Phase C			
Camp Currie Dining Hall Construction	Marshall	2016-2018	Complete/Not Closed Out	100	05/25/18	05/25/18
Camp Earl Wallace Dining Hall Construction Comments: Requested FAC participation in an Architect committee, but FAC did not respond. With the passage of 2023 SB 241, we are hopeful to move forward with the committee necessary to start the bid process.	Cumberland	2022-2024	Awaiting Initiation by Agency			
Critical Species Investigation Building Comments: Re-issued DECA (originally) Delivery Orders for Engineering firm.	Franklin	CPBOC-11/01/22	Design/Phase B			
FILO Office Space	Franklin	2016-2018	Complete/Not Closed Out	100	03/01/18	04/26/18
FILO Stream Mitigation Projects Pool - Bender Hollow Reported to CPBOC on 10/21/2021	Lincoln	Pool	Design/Phase A			

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FILO Stream Mitigation Projects Pool - Big Farm Reported to CPBOC on 9/20/2016	Bath	Pool	Complete/Not Closed Out	100	02/08/22	02/08/22
FILO Stream Mitigation Projects Pool - Big Rivers Wetland Reported to CPBOC on 10/21/2021	Multi	Pool	Design/Phase A			
FILO Stream Mitigation Projects Pool - Blue Spring Creek Reported to CPBOC on 4/14/2020 Comments: previous contractors left jobsite, we are rebidding the construction contract	Trigg	Pool	Revising/Rebidding			
FILO Stream Mitigation Projects Pool - Broke Leg Creek Reported to CPBOC on 11/17/2022	Morgan	Pool	Design/Phase B			
FILO Stream Mitigation Projects Pool - Burnett Branch Reported to CPBOC on 10/21/2021 Land Acquisition from Kentucky Heritage Land Conservation Fund (partnership with KDOW Wild Rivers program) reported to the committee on 11/15/2011	Multi	Pool	Design/Phase C			
FILO Stream Mitigation Projects Pool - Crow Creek Reported to CPBOC on 9/23/2021	Clinton	Pool	Design/Phase A			
FILO Stream Mitigation Projects Pool - East Fork Indian Creek Repair Reported to CPBOC on 9/23/2021 - Addition to Completed FILO-East Fork Indian River (C40N)	Menifee	Pool	Complete/Closed Out	100	03/01/22	03/01/22
FILO Stream Mitigation Projects Pool - Goose Creek Reported to CPBOC on 4/18/2017	Casey	Pool	Complete/Not Closed Out	100	06/26/20	03/01/20
FILO Stream Mitigation Projects Pool - Horse Mill Reported to CPBOC on 1/18/2022	Morgan	Pool	Design/Phase A			
FILO Stream Mitigation Projects Pool - Little Sexton Reported to CPBOC on 5/19/2022	Multi	Pool	Design/Phase B			
FILO Stream Mitigation Projects Pool - Mabry Wildlife Management Area 2 Design Build Combination of Laurel Creek Gorge #2, Laurel Creek Gorge (Smith), and Mart Whitt Fork Laurel Creek Gorge #2 and Mart Whitt Fork reported to committee on 7/18/2017	Elliott	Pool	Complete/In Warranty	100	11/01/22	03/31/22
FILO Stream Mitigation Projects Pool - Mill Creek	Jefferson	Pool	Design/Phase A			

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Reported to CPBOC on 11/17/2022						
FILO Stream Mitigation Projects Pool - Minor's Creek	Multi	Pool	Complete/Not Closed Out	100	04/09/19	04/09/19
Reported to CPBOC on 10/17/2017						
FILO Stream Mitigation Projects Pool - Morgan County Extension Wetland	Morgan	Pool	Design/Phase A			
Reported to CPBOC on 10/21/2021						
FILO Stream Mitigation Projects Pool - Mud Camp	Cumberland	Pool	Design/Phase A			
Reported to CPBOC on 9/29/2022						
FILO Stream Mitigation Projects Pool - Northern Kentucky Middle Creek I	Boone	Pool	Design/Phase A			
Reported to CPBOC on 1/18/2022						
FILO Stream Mitigation Projects Pool - Northern Kentucky Middle Creek II	Boone	Pool	Design/Phase A			
Reported to CPBOC on 10/21/2021						
FILO Stream Mitigation Projects Pool - Northern Kentucky Middle Creek III	Boone	Pool	Design/Phase A			
Reported to CPBOC on 10/21/2021						
FILO Stream Mitigation Projects Pool - Rich Wildlife Management Area - Red Oak Creek	Owen	Pool	Complete/Not Closed Out	100	03/01/19	03/01/19
Reported to CPBOC on 6/19/2018						
FILO Stream Mitigation Projects Pool - Rock Lick	Fleming	Pool	Design/Phase A			
Will be reported to committee after design phase						
FILO Stream Mitigation Projects Pool - Rolling Fork WMA - Stillwell Branch	Larue	Pool	Design/Phase A			
Reported to CPBOC on 9/29/2022						
FILO Stream Mitigation Projects Pool - Ross Creek	Multi	Pool	Complete/Not Closed Out	100	06/01/20	06/01/20
Land Acquisition and Construction Reported to CPBOC on 2/19/2013 and 5/19/2020						
FILO Stream Mitigation Projects Pool - Ross Creek III, Lee County	Lee	Pool	Awaiting Initiation by Agency			
Will be reported to committee after design phase						
FILO Stream Mitigation Projects Pool - Staggs Branch	Lewis	Pool	Design/Phase A			

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Reported to CPBOC on 9/29/2022						
FILO Stream Mitigation Projects Pool - Steep Creek Reported to CPBOC on 11/17/2022	Boone	Pool	Design/Phase A			
FILO Stream Mitigation Projects Pool - Stream Restoration Otter Creek Reported to CPBOC on 10/21/2021	Meade	Pool	Design/Phase A			
FILO Stream Mitigation Projects Pool - Whites Creek Reported to CPBOC on 10/21/2021	Boyd	Pool	Design/Phase C			
FILO Stream Mitigation Projects Pool - Wolf Run Jefferson County Memorial Forest Reported to CPBOC on 10/21/2021	Jefferson	Pool	Design/Phase A			
Lakes and Streams Branch Building Comments: Re-issued DECA (originally) Delivery Orders for Engineering firm.	Franklin	CPBOC-11/01/22	Design/Phase A			
Veteran's Memorial Wildlife Management Area - Public Shooting Range	Scott	CPBOC-5/01/22	Design/Phase C			
Tourism, Arts & Heritage Cabinet/KY Center for the Arts						
Exterior Repair and Restoration	Jefferson	2022-2024	Design/Phase A			
KCA - Fire Damage Restoration	Jefferson	CPBOC-9/01/18	Complete/Not Closed Out		03/10/20	03/10/20
Tourism, Arts & Heritage Cabinet/KY Horse Park						
* Barn Repair and Upgrades	Fayette	2022-2024	Design/Phase A			
* Covered Arena and Rolex Stadium	Fayette	2022-2024	Design/Phase A			
* Renovate International Museum of the Horse	Fayette	2022-2024	Design/Phase A			
* Replace Roofs - Museum, Gatehouse, Visitor Center	Fayette	2022-2024	Design/Phase A			
Tourism, Arts & Heritage Cabinet/Parks						
Fort Boonesborough - Parkwide - Flood Reconstruction	Madison	CPBOC-7/01/21	Complete/In Warranty	100	05/15/22	05/15/22
* HB 268 Pool - Kentucky Dam Village Infrastructure Sewer Upgrades (Phase I)	Marshall	Pool	In Construction	1	09/29/23	

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Reported to CPBOC on 12/15/2022						
* HB 268 Pool - Water and Sewer Upgrades - West	Multi	Pool	Construction/Multiple Bid Packs			
Reported to CPBOC on 5/18/2021						
Lake Barkley Lodge Fire Repairs	Trigg	CPBOC-4/01/22	In Construction	99	03/26/23	
Comments: Fan Coil Unit for Linens Room is awaiting installation. Equipment is on order.						
* Upgrade Guest Accommodations	Multi	2014-2016	Construction/Multiple Bid Packs			
Tourism, Arts & Heritage Cabinet/State Fair Board						
* Agricultural Development Board - Cardinal Stadium Demolition (Kentucky Exposition Center) Reported to CPBOC on 8/21/2018	Jefferson	Pool	Complete/Not Closed Out	100	07/29/22	07/29/22
* Agricultural Development Board - Deferred Maintenance and Renovation (Kentucky Exposition Center)	Jefferson	Pool	Planning			
* Agricultural Development Board - Entry Gate Remodel (Kentucky Exposition Center)	Jefferson	Pool	Construction/Multiple Bid Packs			
* Agricultural Development Board - Freedom Hall Make-Up Ring Reported to CPBOC on 8/27/2019	Jefferson	Pool	Complete/Closed Out	100	03/10/20	02/01/22
* Freedom Hall Sewer Line Replacement	Jefferson	2014-2016	Complete/Not Closed Out	100	08/24/17	08/24/17
* Ky International Convention Center Renovation and Expansion	Jefferson	2014-2016	Complete/Not Closed Out	100	11/01/18	11/01/18
* Ky International Convention Center Roof Replacement	Jefferson	2018-2020	Complete/Not Closed Out	100	03/10/20	03/10/20
* Prestonia Grounds and Infrastructure Improvements	Jefferson	2020-2022	Construction/Multiple Bid Packs			
Transportation Cabinet/Department of Highways						
* Transportation Warehouse Facility Renovation or Replacement	Franklin	2020-2022	Complete/In Warranty	100	04/08/22	03/15/22

Transportation Cabinet/Gen Admin & Support (Transp)

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* Bullitt County Welcome Center	Bullitt	CPBOC-10/01/19	Complete/Closed Out	100	05/25/20	05/25/20
* Construct Ballard County Maintenance Facility and Salt Storage Structure	Ballard	2012-2014	Revising/Rebidding			
* Construct Bath County Maintenance and Salt Storage Facility	Bath	2022-2024	Awaiting Initiation by Agency			
* Construct Boyle County Bridge Crew Facility	Boyle	2022-2024	Planning			
* Construct Breckinridge County Maintenance and Salt Storage Facility	Breckinridge	2022-2024	Awaiting Initiation by Agency			
* Construct Casey County Maintenance Facility	Casey	2020-2022	Complete/In Warranty	100	06/28/22	06/28/22
* Construct Clay County District 11 Office Reallocation from Construct Manchester (D-11) District Office (\$7.445 million)	Clay	2018-2020	Planning			
* Construct Crittenden County Maintenance Facility and Salt Storage Structure Was not reauthorized in 2016-2018 budget and authorized as new project for 2018-2020	Crittenden	2018-2020	Complete/Closed Out	100	09/11/20	09/11/20
* Construct District 2 Office and Materials Lab	Hopkins	2022-2024	Awaiting Initiation by Agency			
* Construct Hart County Maintenance and Salt Storage Facility	Hart	2022-2024	Awaiting Initiation by Agency			
* Construct Hopkins County Maintenance Facility and Salt Storage Structure	Hopkins	2018-2020	In Construction	5	06/30/23	
* Construct Manchester (D-11) District Office \$6.6 million (2014-2016) and \$845,000 (2016-2018) from the road fund was reallocated to Construct Clay County District 11 Office	Clay	2014-2016	Cancelled			
* Construct Mercer County Maintenance and Salt Storage Facility	Mercer	2022-2024	Awaiting Initiation by Agency			
* Construct Morgan County Maintenance and Salt Storage Facility	Morgan	2022-2024	Awaiting Initiation by Agency			
* Construct Muhlenberg County Maintenance Facility and Salt Storage Structure	Muhlenberg	2012-2014	Complete/Not Closed Out		07/08/18	07/05/18
* Construct Nicholas County Maintenance/Salt Structure	Nicholas	2020-2022	Complete/In Warranty	100	04/29/22	04/29/22
* Construct Regional Salt Structures	Multi	2022-2024	Design/Phase A			

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* Construct Union County Maintenance and Salt Storage Facility	Union	2022-2024	Awaiting Initiation by Agency			
* Construct Whitley County Maintenance/Salt Structure	Whitley	2020-2022	Planning			
* District 6 Office and Materials Lab House Bill 490 (2022 Regular Session) amended authorized project amount	Kenton	2020-2022	In Construction	15	04/29/24	
* Permanent Salt Conveyor System - Graves County	Graves	2022-2024	Planning			
* Simpson County Welcome Center	Simpson	CPBOC-9/01/19	Complete/Not Closed Out	100	12/08/20	12/01/20

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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Department of Education/Operations and Support Services			
* KSB Howser Hall Renovation	07/13/20	\$13,183.00	In process of being closed out.
* KSB McDaniel/Scoggin Educational Building	10/02/19	\$272.84	In process of being closed out.
* KSD New Elementary Building	03/21/20	\$61,694.97	Agency reviewing
Education and Labor Cabinet/KY Educational Television			
* Transmitter and Repack	09/01/20	\$420,108.91	Awaiting agency to closeout project.
Energy & Environment Cabinet/Environmental Protection			
* State-Owned Dam Repair - Bullock Pen Lake Dam	09/02/22	\$36,938.81	Agency Reviewing
* State-Owned Dam Repair - Scenic Lake Dam	04/02/23		Agency reviewing
Finance and Administration Cabinet/Facilities & Support Services			
* DFSS Maintenance Pool - 2018-20 - Central Lab Boiler Replacement	12/20/21	\$58,788.59	Remaining funds to be used for tube replacement.
* DFSS Maintenance Pools - Halon System Replacement	02/10/23	\$27,287.05	Actuator was discovered during warranty that was overlooked. Being replaced now.
* L&N Building Security and Structural Upgrades	04/20/23	\$538,891.71	Remaining funds will be used for project to add security fencing at L&N Building
* Upgrade L&N Building	08/31/20	\$486,994.14	Project has multiple phases still completing
General Government Cabinet/KY River Authority			
Construct Lock and Dam 10	01/03/23		Agency reviewing
General Government Cabinet/Military Affairs			
* Armory Modernization and DMA Maintenance Pools - 2018-20 - DMA Lexington NGA Interior Upgrade	11/24/21	\$40,787.00	Have asked UA to close
* Armory Modernization Pool - 2018-20 - DMA Leitchfield Readiness Center Assembly Hall Addition	04/15/22	\$12,685.83	Using agency not closed.
DMA Bluegrass Station Building 415 Modification	04/08/22	\$34,081.00	Will ask UA to close
* DMA Boone National Guard Center Emergency Operations Center Renovation	10/22/21	\$37,928.98	Project in litigation
DMA Interior Renovation Wellman Armory - Boone National Guard Center	05/29/20	\$112,925.06	Agency reviewing

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DMA Records Holding Facility - Boone National Guard Center	08/02/20	\$109,457.22	Agency reviewing
DMA Richmond Field Maintenance Shop No. 4 Bay Addition	09/04/18	\$78,241.00	Will ask UA to close
* DMA Richmond Readiness Center Interior Modernization	12/09/22	\$22,586.00	will ask UA to close
DMA Wendell H. Ford Regional Training Center 1103rd Military Police RC/Provost/Welcome Center	12/13/22	\$216,312.64	Awaiting agency
DMA Wendell H. Ford Regional Training Center Bridge	12/18/21	\$44,299.99	awaiting agency
DMA Wendell H. Ford Regional Training Center Fire Station Addition	10/27/22	\$6,410.25	awaiting agency
Health and Family Services Cabinet/Behavioral Health			
* Renovate/Replace Cottages - Oakwood, Phase I	04/04/23	\$108,000.00	will ask UA to closeout
* Western State Hospital-Electrical Upgrade-Phase I	05/26/20	\$20,161.22	Funds being used for phase 2-3
Postsecondary Education Cabinet/Kentucky State University			
Center for Families and Children	01/29/13	\$572,155.00	have asked UA on numerous occasions to close acct.
Mold Remediation and Mechanical Repairs - The Halls	08/26/20	\$32,812.56	Funding being used for design of fresh air system.
Renovate Atwood Agricultural Research Building	10/21/21	\$27,655.93	Agency reviewing
Postsecondary Education Cabinet/KY Community and Technical College System			
* Construct Advanced Manufacturing Facility - Bluegrass CTC	01/28/19	\$40,631.00	Will ask UA to close
Construct Ag Health & Career Tech - Hopkinsville CC Ph I	10/16/20	\$184,713.00	awaiting agency
Construct Instructional Complex - Southcentral CTC	04/14/19	\$37,842.10	Agency reviewing
Construct National Responder Preparedness Center Parking Lot (Driving Course) - Fire Commission	02/04/22	\$410,826.64	Currently adding site utilities
Upgrade Newtown Campus Buildings and Infrastructure - Bluegrass	01/27/23		WILL ASK UA TO CLOSEOUT
* Workforce Development Construction Pool - Constr. Adv. Manuf. Ctr. - Bluegrass CTC, Danville	02/26/22	\$1,783.00	WILL ASK UA TO CLOSE
* Workforce Development Construction Pool - Constr. Adv. Manuf. Ctr. - Jefferson CTC, Downtown	10/30/22	\$140,000.00	Final phase for addition of fans for auto labs is still continuing
* Workforce Development Construction Pool - Welding Facility Renov./Training Lab Addit. - Hopkinsville	10/11/21	\$129,829.56	Agency is currently constructing concrete parking for the project
Tourism, Arts & Heritage Cabinet/Fish & Wildlife Resources			
Camp Currie Dining Hall Construction	06/25/19	\$320,871.77	Agency reviewing

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FILO Office Space	05/26/19	\$21,990.12	waiting on entry awning
FILO Stream Mitigation Projects Pool - Big Farm	03/08/23	\$671,408.75	subject to at least 5 years of biological/stream function monitoring
FILO Stream Mitigation Projects Pool - Goose Creek	04/01/21	\$19,115.56	still in monitoring phase
FILO Stream Mitigation Projects Pool - Minor's Creek	05/09/20	\$98,345.79	still in monitoring - may have additional mitigation
FILO Stream Mitigation Projects Pool - Rich Wildlife Management Area - Red Oak Creek	04/01/20	\$968,658.33	still in monitoring phase
FILO Stream Mitigation Projects Pool - Ross Creek	07/01/21	\$570,970.06	remains in monitoring
Tourism, Arts & Heritage Cabinet/KY Center for the Arts			
KCA - Fire Damage Restoration	04/10/21	\$0.01	Agency to coordinate with OSBD to close out project
Tourism, Arts & Heritage Cabinet/State Fair Board			
* Agricultural Development Board - Cardinal Stadium Demolition (Kentucky Exposition Center)	08/29/23	\$3,117.12	In process of being closed out.
* Freedom Hall Sewer Line Replacement	09/24/18	\$84,033.49	Agency looking at how to allocate remaining funds
* Ky International Convention Center Renovation and Expansion	12/01/19	\$92,392.80	Completing minor projects from legal settlement
* Ky International Convention Center Roof Replacement	04/10/21	\$503,596.36	Agency reviewing
Transportation Cabinet/Gen Admin & Support (Transp)			
* Construct Muhlenberg County Maintenance Facility and Salt Storage Structure	08/05/19	\$29,192.34	awaiting agency
* Simpson County Welcome Center	01/01/22	\$45,064.09	awaiting agency

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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Reporting Agency: Eastern Kentucky University
 Report Quarter: 2023-2 (April)
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<u>Cabinet/Agency/Project Title</u>	<u>County</u>	<u>Initial Auth</u>	<u>Status</u>	<u>Constr % Compl</u>	<u>Contract Compl</u>	<u>Actual Subst</u>
Postsecondary Education Cabinet/Eastern Kentucky University						
Academic Computing Pool Comments: This project will upgrade the computing equipment and capabilities in central academic computing. Upgrades are initiated on a continuous cycle as advancements in technology occurs.	Madison	2022-2024	Other			
Additional University Services Space	Madison	2022-2024	Awaiting Initiation by Agency			
Administrative Computing Pool Comments: This pool supports the necessary equipment, hardware and software to serve the Administrative Computing function of the University.	Madison	2022-2024	Other			
* Asset Preservation Pool - 2022-2024 Use of restricted funds rather than agency bonds for the fiscal year 2023 match reported to CPBOC on 8/24/2022 Sub-projects: Asset Preservation Pool - 2022-2024 (Sub-project: Burrier Exterior Repairs) Asset Preservation Pool - 2022-2024 (Sub-project: Coates Exterior/Interior Repairs) Asset Preservation Pool - 2022-2024 (Sub-project: Improve Parking Systems) Asset Preservation Pool - 2022-2024 (Sub-project: Powell Roof Replacement) Asset Preservation Pool - 2022-2024 (Sub-project: Renovate Building Interiors) Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Replace/Modernize Elevator Systems) Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Replace/Upgrade Roof Structures) Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Upgrade Campus Pedestrian Accessways) Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Upgrade Electrical Systems) Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 0) Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 1) Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 2) Asset Preservation Pool - 2022-2024 (Sub-project: Rowlett Roof Replacement) Asset Preservation Pool - 2022-2024 (Sub-project: Steam Line Upgrades)	Madison	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Burrier Exterior Repairs) Comments: Design/Phase A	Madison	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: Coates Exterior/Interior Repairs) Comments: Design/Phase A	Madison	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Parking Systems)	Madison	2022-2024	Awaiting Initiation by Agency			

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Asset Preservation Pool - 2022-2024 (Sub-project: Powell Roof Replacement)	Madison	2022-2024	Complete/Closed Out	100	04/01/23	11/30/22
Asset Preservation Pool - 2022-2024 (Sub-project: Renovate Building Interiors)	Madison	2022-2024	Bidding			
Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Replace/Modernize Elevator Systems)	Madison	2022-2024	In Construction	0	12/01/23	
Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Replace/Upgrade Roof Structures)	Madison	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Upgrade Campus Pedestrian Accessways)	Madison	2022-2024	In Construction	0	08/30/23	
Asset Preservation Pool - 2022-2024 (Sub-project: Renovate/Upgrade Electrical Systems)	Madison	2022-2024	In Construction	1	06/30/27	
Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 0)	Madison	2022-2024	In Construction	1	06/30/23	
Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 1) Burrier Chiller Replacement	Madison	2022-2024	In Construction	1	11/30/23	
Asset Preservation Pool - 2022-2024 (Sub-project: Repair/Replace Infrastructure/Building Systems 2) Wallace Chiller Replacement	Madison	2022-2024	In Construction	1	11/30/23	
Asset Preservation Pool - 2022-2024 (Sub-project: Rowlett Roof Replacement)	Madison	2022-2024	Complete/Closed Out	100	04/01/23	10/31/22
Asset Preservation Pool - 2022-2024 (Sub-project: Steam Line Upgrades)	Madison	2022-2024	In Construction	0	05/18/23	
Campus Data Network Pool Comments: This pool will support new hardware for communication, safety and security service delivery.	Madison	2022-2024	Other			
Campus Infrastructure Upgrade Approved pursuant to KRS 45.763 Asset Preservation Pool - 2022-2024 authorization will be used instead	Madison	2022-2024	Awaiting Initiation by Agency			
Commonwealth Hall Partial Repurposing and Renovation	Madison	2022-2024	Awaiting Initiation by Agency			
Construct Academic Complex	Madison	2022-2024	Awaiting Initiation by Agency			

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Construct Alumni and Welcome Center	Madison	2022-2024	Awaiting Initiation by Agency			
* Construct Aviation/Aerospace Instructional Facility Approved pursuant to KRS 45.763 \$1,890,800 in bond funds reallocated from Purchase Aviation Maintenance Technician/Pilot Training Equipment	Madison	2020-2022	A/E Selection			
Construct EKU Early Childhood Center	Madison	2022-2024	Awaiting Initiation by Agency			
* Construct New Model Laboratory School	Madison	2022-2024	Planning			
Construct Student Health Center	Madison	2022-2024	Awaiting Initiation by Agency			
Construct Student Life Facilities	Madison	2016-2018	In Construction	97	12/31/23	
Demolish Building Pool	Madison	2022-2024	Awaiting Initiation by Agency			
Innovation and Commercialization Pool Approved pursuant to KRS 45.763	Madison	2022-2024	Awaiting Initiation by Agency			
Miscellaneous Maintenance Pool - 2020-2022 Sub-project: Miscellaneous Maintenance Pool - 2020-2022 (Replace Campbell Building HVAC) Miscellaneous Maintenance Pool - 2020-2022 (Replace Ramsey Heat Plant Boiler 5)	Madison	2020-2022	Planning			
Miscellaneous Maintenance Pool - 2020-2022 (Replace Campbell Building HVAC)	Madison	2020-2022	In Construction	33	05/01/23	
Miscellaneous Maintenance Pool - 2020-2022 (Replace Ramsey Heat Plant Boiler 5)	Madison	2020-2022	In Construction	52	06/30/23	
Miscellaneous Maintenance Pool - 2022-2024 Sub-project: Miscellaneous Maintenance Pool - 2022-2024 (Return Mattox to Residence Hall)	Madison	2022-2024	Awaiting Initiation by Agency			
Miscellaneous Maintenance Pool - 2022-2024 (Return Mattox to Residence Hall)	Madison	2022-2024	Design/Phase A			
Property Acquisitions Pool Approved pursuant to KRS 45.763	Madison	2022-2024	Awaiting Initiation by Agency			
* Renovate Alumni Coliseum	Madison	2022-2024	Design/Phase B			
Renovate and Upgrade Heat Plant	Madison	2022-2024	Awaiting Initiation by Agency			
Renovate Mechanical Systems Pool 2022-2024 Asset Preservation Pool - 2022-2024 authorization will be used instead	Madison	2022-2024	Awaiting Initiation by Agency			
Renovate Whalen Complex	Madison	2022-2024	Awaiting Initiation by Agency			

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Approved pursuant to KRS 45.763						
Repair/Replace Infrastructure/Building System Pool Asset Preservation Pool - 2022-2024 authorization will be used instead	Madison	2022-2024	Awaiting Initiation by Agency			
Residence Hall Renovation Pool Sub-projects: Residence Hall Renovation Pool (Sub-project: Phase I - Keene Hall) Residence Hall Renovation Pool (Sub-project: Phase I - Palmer Hall) Residence Hall Renovation Pool (Sub-project: Phase II - Burnam Hall) Residence Hall Renovation Pool (Sub-project: Phase II - Sullivan Hall)	Madison	2020-2022	Multiple Subprojects			
Residence Hall Renovation Pool (Sub-project: Phase I - Keene Hall)	Madison	2022-2024	Design/Phase C			
Residence Hall Renovation Pool (Sub-project: Phase I - Palmer Hall)	Fayette	2022-2024	Design/Phase A			
Residence Hall Renovation Pool (Sub-project: Phase II - Burnam Hall)	Madison	2022-2024	Design/Phase A			
Residence Hall Renovation Pool (Sub-project: Phase II - Sullivan Hall)	Madison	2022-2024	Design/Phase A			
Steam Line Upgrades Approved pursuant to KRS 45.763 Asset Preservation Pool - 2022-2024 authorization will be used instead	Madison	2022-2024	Awaiting Initiation by Agency			
University Services Space	Madison	2020-2022	Complete/Closed Out	100	10/29/22	10/31/22
Upgrade Building Management System Controls	Madison	CPBOC-4/01/22	Complete/Closed Out	100	04/01/23	11/09/22

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Reporting Agency: Morehead State University

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Postsecondary Education Cabinet/Morehead State University						
* Asset Preservation Pool - 2022-2024 Comments: Cooper Hall: Phase A Campus Communication: Phase A Other projects less than \$1 million- varying phases Contract completion date varies on these projects	Rowan	2022-2024	Design/Phase A			
Capital Renewal and Maintenance Pool - Auxiliary	Rowan	2020-2022	Awaiting Initiation by Agency			
Comply with ADA - Auxiliary	Rowan	2022-2024	Awaiting Initiation by Agency			
Construct New Residence Hall	Rowan	2022-2024	Awaiting Initiation by Agency			
* Construct Science and Engineering Building	Rowan	2022-2024	Awaiting Initiation by Agency			
Renovate Alumni Tower Ground Floor	Rowan	2020-2022	Bidding			
Renovate Cartmell Residence Hall	Rowan	2022-2024	Awaiting Initiation by Agency			
Renovate Cooper Residence Hall	Rowan	2022-2024	Design/Phase A			
Renovate Fields Residence Hall	Rowan	2022-2024	Awaiting Initiation by Agency			
Renovate Grote-Thompson Residence Hall	Rowan	2022-2024	Awaiting Initiation by Agency			
Renovate Normal Residence Hall	Rowan	2022-2024	Awaiting Initiation by Agency			
Replace Exterior Precast Panels - Nunn Hall	Rowan	2020-2022	Awaiting Initiation by Agency			
Replace Turf on Jacobs Field	Rowan	2022-2024	Awaiting Initiation by Agency			

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Reporting Agency: Murray State University

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Postsecondary Education Cabinet/Murray State University						
Acquire Agriculture Research Farm Land	Calloway	2022-2024	Awaiting Initiation by Agency			
Acquire Property	Calloway	2022-2024	Awaiting Initiation by Agency			
* Asset Preservation Pool - 2022-2024	Calloway	2022-2024	Multiple Subprojects			
Sub-projects:						
Asset Preservation Pool - 2022-2024 (Sub-project: Doyle Fine Arts HVAC Upgrades)						
Asset Preservation Pool - 2022-2024 (Sub-project: Electrical Utility Upgrades)						
Asset Preservation Pool - 2022-2024 (Sub-project: Fine Arts HVAC Upgrades)						
Asset Preservation Pool - 2022-2024 (Sub-project: Mason Hall Renovations)						
Asset Preservation Pool - 2022-2024 (Sub-project: Oakley Applied Science Renovations)						
Asset Preservation Pool - 2022-2024 (Sub-project: Pogue Library HVAC Upgrades)						
Asset Preservation Pool - 2022-2024 (Sub-project: Doyle Fine Arts HVAC Upgrades)	Calloway	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Electrical Utility Upgrades)	Calloway	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Fine Arts HVAC Upgrades)	Calloway	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Mason Hall Renovations)	Calloway	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: Oakley Applied Science Renovations)	Calloway	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Pogue Library HVAC Upgrades)	Calloway	2022-2024	Planning			
* Construct New Breathitt Veterinary Center	Christian	2014-2016	Multiple Subprojects			
Sub-projects:						
Construct New Breathitt Veterinary Center (Sub-project: Construct New BVC) - Complete/Closed Out						
Construct New Breathitt Veterinary Center (Sub-project: Construct New BVC Equipment Storage Bldg)						
Construct New Breathitt Veterinary Center (Sub-project: Construct New BVC Equipment Storage Bldg)	Christian	2014-2016	Design/Phase C			
Construct Residential Housing	Calloway	2020-2022	Design/Phase C			

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In lieu of agency bonds, MSU is authorized to enter into a public-private partnership, built-to-suit agreement, or lease-purchase not to exceed the authorized amount. This authorization includes the authorization under KRS 45.763 and 45A.077. P3 project delivery method reported to CPBOC on 10/21/2021						
* Construct School of Nursing and Health Professional Building	Calloway	2022-2024	Design/Phase A			
Construct/Renovate Alternate Dining Facility Approved pursuant to KRS 45.763 P3 project delivery method reported to CPBOC on 10/21/2021	Calloway	2020-2022	Awaiting Initiation by Agency			
Enhance Dining Facility	Calloway	2022-2024	Awaiting Initiation by Agency			
Historic Building Preservation Pool Sub-projects: Historic Building Preservation Pool (Sub-project: Carr Hall HVAC) Historic Building Preservation Pool (Sub-project: Curris Center Interior Refresh) Historic Building Preservation Pool (Sub-project: Lovett Phase II Renovations) Historic Building Preservation Pool (Sub-project: Racer Arena HVAC) Historic Building Preservation Pool (Sub-project: Waterfield HVAC Phase II) Historic Building Preservation Pool (Sub-project: Wrathier Hall Auditorium Renovations)	Calloway	2020-2022	Multiple Subprojects			
Historic Building Preservation Pool (Sub-project: Carr Hall HVAC)	Calloway	2020-2022	Revising/Rebidding			
Historic Building Preservation Pool (Sub-project: Curris Center Interior Refresh)	Calloway	2020-2022	In Construction	30	11/30/23	
Historic Building Preservation Pool (Sub-project: Lovett Phase II Renovations) Comments: There have been delays in material delivery of the new windows. Once those are received, they will be installed to wrap this project up.	Calloway	2020-2022	In Construction	99	08/01/22	
Historic Building Preservation Pool (Sub-project: Racer Arena HVAC)	Calloway	2020-2022	Revising/Rebidding			
Historic Building Preservation Pool (Sub-project: Waterfield HVAC Phase II)	Calloway	2020-2022	In Construction	8	10/10/23	
Historic Building Preservation Pool (Sub-project: Wrathier Hall Auditorium Renovations)	Calloway	2020-2022	Complete/In Warranty	100	11/20/22	01/28/23
Renovate Lovett Auditorium - HVAC and Electrical Repairs	Calloway	CPBOC-12/01/20	Complete/Not Closed Out	100	09/26/21	09/29/21
Renovate Residence Hall Electrical System	Calloway	2020-2022	Awaiting Initiation by Agency			

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In lieu of agency bonds, MSU is authorized to enter into a public-private partnership, built-to-suit agreement, or lease-purchase not to exceed the authorized amount. This authorization includes the authorization under KRS 45.763 and 45A.077.						
Renovate Residence Hall HVAC System	Calloway	2020-2022	Awaiting Initiation by Agency			
In lieu of agency bonds, MSU is authorized to enter into a public-private partnership, built-to-suit agreement, or lease-purchase not to exceed the authorized amount. This authorization includes the authorization under KRS 45.763 and 45A.077.						
Renovate Residence Hall Interior	Calloway	2020-2022	Awaiting Initiation by Agency			
In lieu of agency bonds, MSU is authorized to enter into a public-private partnership, built-to-suit agreement, or lease-purchase not to exceed the authorized amount. This authorization includes the authorization under KRS 45.763 and 45A.077.						
Renovation of Blackburn Science Building	Calloway	CPBOC-3/01/19	Complete/Not Closed Out	100	04/22/21	04/29/21
Replace Campus Comm Infrastructure (Fiber Ring)	Calloway	2020-2022	In Construction	7	06/30/23	
Replace Expo Center Roof	Calloway	2022-2024	In Construction	50	06/30/23	
Replace Residence Hall Domestic Water Piping	Calloway	2020-2022	Awaiting Initiation by Agency			
In lieu of agency bonds, MSU is authorized to enter into a public-private partnership, built-to-suit agreement, or lease-purchase not to exceed the authorized amount. This authorization includes the authorization under KRS 45.763 and 45A.077.						
Upgrade Campus Network	Calloway	2016-2018	Complete/In Warranty	100	06/30/22	06/09/22
Upgrade Campus Phone System	Calloway	2016-2018	Complete/In Warranty	100	06/30/22	06/09/22

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QUARTERLY CAPITAL PROJECTS STATUS REPORT - SUPPLEMENT

Reporting Agency: Murray State University

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<u>Cabinet/Agency/Project Title</u>	<u>Scheduled Closeout</u>	<u>Account Balance</u>	<u>Explanation - Why has the account not been closed?</u>
Postsecondary Education Cabinet/Murray State University			
Renovate Lovett Auditorium - HVAC and Electrical Repairs	10/29/22	(\$187,346.91)	Keeping project open until Phase II work is complete. Also, need to ensure the project balance is correct and funded properly in coordination with other work going on in this building.
Renovation of Blackburn Science Building	05/29/22	\$684,735.58	Other renovations are being determined to spend the remainder of the project funds.

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Postsecondary Education Cabinet/Northern Kentucky University						
Acquire Land/Master Plan 2010-2012 Approved pursuant to KRS 45.763 2011 - \$2.5 million in agency bond proceeds for 26 parcels of land, primarily single family homes, included in Board-approved land acquisition and Master Plan Land acquisition area, to be acquired over many years, is outlined in 2009 Master Plan	Campbell	2010-2012	Planning			
* Asset Preservation Pool - 2022-2024 Sub-projects: Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Admin Center RR Rpl) Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Landrum Floor/RR Rpl) Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Student Union Roof) Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Fine Arts Center Phase II) Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Nunn Hall) Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Steely Library)	Campbell	2022-2024	Multiple Subprojects			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Admin Center RR Rpl)	Campbell	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Landrum Floor/RR Rpl)	Campbell	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew E&G Building Systems - Student Union Roof)	Campbell	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Fine Arts Center Phase II)	Campbell	2022-2024	Bidding			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Nunn Hall)	Campbell	2022-2024	Bidding			
Asset Preservation Pool - 2022-2024 (Sub-project: Renew/Renovate Steely Library)	Campbell	2022-2024	Planning			
Construct Indoor Tennis Facility Approved pursuant to KRS 45.763	Campbell	2022-2024	Design/Phase A			
Construct Mixed-Use Facility with Student Housing Approved pursuant to KRS 45.763 Sub-projects: Construct Mixed-Use Facility with Student Housing (Sub-project: Phase I - North Side) - Complete/Closed Out Construct Mixed-Use Facility with Student Housing (Sub-project: Phase II - South Side)	Campbell	2016-2018	Multiple Subprojects			

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Construct Mixed-Use Facility with Student Housing (Sub-project: Phase II - South Side) Mixed-use development of 20-30,000 square feet of full-service and casual restaurant and retail tenants, a 100-110 room hotel, 150-200 market rate apartments, parking and office space	Campbell	2016-2018	Planning			
Construct Research/Innovation Building Approved pursuant to KRS 45.763	Campbell	2022-2024	Awaiting Initiation by Agency			
Construct/Acquire New Residence Hall 2016-2018 Sub-projects: Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Callahan Hall Renovation Phase I) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Callahan Hall Renovation Phase II) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Commonwealth Hall Renovation) - Complete/Closed Out Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Construct New Residence Hall) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Install Univ Suites LED Lights) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Kentucky Hall Renovation) - Complete/Closed Out Construct/Acquire New Residence Hall 2016-2018 (Sub-project: KY/CW/Univ. Suites Roof Replacements) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Norse Hall Exterior Repairs) - Complete/Closed Out Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Norse Hall Renovations) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Replace Callahan Boilers #2 & #3) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Univ. Suites Cooling Tower Replacement) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Univ. Suites Exterior Façade Repairs) Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Woodcrest Apartments Stair Replacement) - Cancelled	Campbell	2016-2018	Planning			
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Callahan Hall Renovation Phase I)	Campbell	2016-2018	Complete/Closed Out	100	03/31/22	03/11/22
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Callahan Hall Renovation Phase II)	Campbell	2016-2018	Complete/In Warranty	99	02/24/23	03/17/23
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Construct New Residence Hall) CM at-Risk project delivery method reported to CPBOC on 11/20/2018	Campbell	2016-2018	Complete/Not Closed Out	100	07/20/21	08/13/21
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Install Univ Suites LED Lights)	Campbell	2016-2018	Complete/In Warranty	100	07/15/22	07/15/22
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: KY/CW/Univ. Suites Roof Replacements)	Campbell	2016-2018	Complete/In Warranty	100	09/20/22	09/20/22
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Norse Hall Renovations)	Campbell	2016-2018	Complete/In Warranty	100	07/30/22	07/30/22
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Replace Callahan Boilers #2 & #3)	Campbell	2016-2018	Complete/In Warranty	100	12/14/22	12/14/22

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Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Univ. Suites Cooling Tower Replacement)	Campbell	2016-2018	Complete/In Warranty	100	05/31/22	05/31/22
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Univ. Suites Exterior Façade Repairs)	Campbell	2016-2018	Design/Phase B			
* Expand Herrmann Science Center	Campbell	2022-2024	Design/Phase A			
Expand/Renovate Regents Hall	Campbell	2022-2024	Awaiting Initiation by Agency			
Reconstruct West Side Parking	Campbell	2018-2020	Awaiting Initiation by Agency			
Renew E&G Building Systems Projects Pool Asset Preservation Pool - 2022-2024 authorization will be used instead	Campbell	2020-2022	Awaiting Initiation by Agency			
Renew/Renovate Fine Arts Center Phase II Asset Preservation Pool - 2022-2024 authorization will be used instead	Campbell	2022-2024	Awaiting Initiation by Agency			
Renew/Renovate Nunn Hall Asset Preservation Pool - 2022-2024 authorization will be used instead	Campbell	2022-2024	Awaiting Initiation by Agency			
Renew/Renovate Steely Library Asset Preservation Pool - 2022-2024 authorization will be used instead	Campbell	2022-2024	Awaiting Initiation by Agency			
Renovate Brown Building	Campbell	2020-2022	Complete/In Warranty	100	07/14/22	08/01/22
Renovate Residence Halls	Campbell	2020-2022	Awaiting Initiation by Agency			
Renovate/Construct Campbell Hall Approved pursuant to KRS 45.763	Campbell	2020-2022	Awaiting Initiation by Agency			
Renovate/Construct Civic Center Building	Campbell	2022-2024	Planning			
Renovate/Expand Baseball Field	Campbell	2022-2024	Awaiting Initiation by Agency			
Replace Event Center Technology Approved pursuant to KRS 45.763	Campbell	2020-2022	Awaiting Initiation by Agency			
Replace Recreation Field Turf	Campbell	2022-2024	Awaiting Initiation by Agency			
Replace Underground Utility Infrastructure	Campbell	2022-2024	Awaiting Initiation by Agency			
Upgrade Admin/IT Infrastructure Pool Approved pursuant to KRS 45.763	Campbell	2020-2022	Awaiting Initiation by Agency			

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

QUARTERLY CAPITAL PROJECTS STATUS REPORT - SUPPLEMENT

Reporting Agency: Northern Kentucky University

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<u>Cabinet/Agency/Project Title</u>	<u>Scheduled Closeout</u>	<u>Account Balance</u>	<u>Explanation - Why has the account not been closed?</u>
Postsecondary Education Cabinet/Northern Kentucky University			
Construct/Acquire New Residence Hall 2016-2018 (Sub-project: Construct New Residence Hall)	09/13/22	\$77,797.00	We are waiting on the LEED certification process to be complete.

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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Reporting Agency: University of Kentucky

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<u>Cabinet/Agency/Project Title</u>	<u>County</u>	<u>Initial Auth</u>	<u>Status</u>	<u>Constr % Compl</u>	<u>Contract Compl</u>	<u>Actual Subst</u>
Postsecondary Education Cabinet/University of Kentucky						
Acquire Data Center Hardware - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire Information Technology Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire Land	Fayette	2022-2024	Multiple Subprojects			
Sub-projects:						
Acquire Land (Sub-project: Angliana) - 6/17/2022 - FCR 14						
Acquire Land (Sub-project: REI) - 6/17/2022 - FCR 16						
Acquire Land (Sub-project: Angliana)	Fayette	2022-2024	Complete/Closed Out		09/20/22	09/20/22
Acquire Land (Sub-project: REI)	Fayette	2022-2024	Complete/Closed Out		09/29/22	09/29/22
Acquire Medical Facility 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire Medical Facility 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire Telemedicine/Virtual ICU 6/21/2019 - FCR 14	Fayette	2018-2020	Complete/Closed Out	100	12/30/22	12/30/22
Acquire Telemedicine/Virtual ICU	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Improve Administrative Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Improve Elevator Systems - UK HealthCare	Fayette	2022-2024	Multiple Subprojects			
Sub-projects:						
Acquire/Improve Elevator Systems - UK HealthCare (Parking Structure 8) - 9/16/2022 - FCR 11						
Acquire/Improve Elevator Systems - UK HealthCare (Modernize Elevators at KY Clinic)	Fayette	2022-2024	Revising/Rebidding			
Acquire/Improve Elevator Systems - UK HealthCare (Modernize Three Elevators at Pav WH)	Fayette	2022-2024	Design/Phase B			
Acquire/Improve Elevator Systems - UK HealthCare (Parking Structure 8)	Fayette	2022-2024	In Construction	1	02/23/24	
Acquire/Improve Golf Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Improve Medical/Administrative Facility 1 - UK HealthCare Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Improve Medical/Administrative Facility 2 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			

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Acquire/Improve Medical/Administrative Facility 3 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Partnership Medical System	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Renovate Clinical Research Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Upgrade IT System - UK HealthCare	Fayette	2020-2022	Multiple Subprojects			
Sub-projects:						
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Medical Device Security Upgrade - Edge Firewall) - 2/15/2022 - 22 IT 06						
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Network Infrastructure Upgrade) - 6/27/2021 - 21 IT 33						
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Storage Infrastructure Upgrade) - 6/27/2021 - 21 IT 32						
Acquire/Upgrade IT System - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Medical Device Security Upgrade - Edge Fire)	Fayette		In Construction	93	02/09/24	
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Network Infrastructure Upgrade)	Fayette		In Construction	35	06/30/26	
Acquire/Upgrade IT System - UK HealthCare (Sub-project: Storage Infrastructure Upgrade)	Fayette		Complete/Closed Out	100	12/31/22	12/22/22
ADA Compliance Pool	Fayette	2022-2024	Awaiting Initiation by Agency			
* Asset Preservation Pool - 2022-2024	Fayette	2022-2024	Multiple Subprojects			
Sub-projects:						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 0) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 1)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 2)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 3)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 4)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 5)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 6)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 7)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY24 Various Infrastructure/System Improvements) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Miller Hall) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Multi-Disciplinary Science Building) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Patterson Office Tower) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Pence Hall) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Peterson Service Building) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve White Hall Classroom Building Phase I) - 6/17/2022 - FCR 19						
Asset Preservation Pool - 2022-2024 (Sub-project: Improve White Hall Classroom Building Phase II) - 6/17/2022 - FCR 19						

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Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 0)	Fayette	2022-2024	Multiple Subprojects			
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 1) Emergency Replacement of Sanitary Sewer Line - Funkhouser Drive	Fayette	2022-2024	Complete/In Warranty	100	09/08/22	09/08/22
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 2) Breckinridge Hall Windows	Fayette	2022-2024	In Construction	15	11/30/23	
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 3) Fine Arts-Guignol Windows	Fayette	2022-2024	In Construction	10	12/31/23	
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/System Improvements 4) Memorial Coliseum Miscellaneous Building Systems	Fayette	2022-2024	Bidding			
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 5 Central Heating Deaerator Tank	Fayette	2022-2024	Awarding Contract			
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 6 Lafferty Hall/Fine Arts Guignol Building HVAC	Fayette	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: FY23 Various Infrastructure/Systems Improvements 7 Medium Voltage Distribution Upgrades	Fayette	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: FY24 Various Infrastructure/System Improvements)	Fayette	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Miller Hall)	Fayette	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Multi-Disciplinary Science Building)	Fayette	2022-2024	Design/Phase C			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Patterson Office Tower)	Fayette	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve Pence Hall)	Fayette	2022-2024	Design/Phase B			

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Asset Preservation Pool - 2022-2024 (Sub-project: Improve Peterson Service Building)	Fayette	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve White Hall Classroom Building Phase I)	Fayette	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Improve White Hall Classroom Building Phase II)	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Agriculture Federal Research Facility I	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Agriculture Federal Research Facility II	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Agriculture Research Facility 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Agriculture Research Facility 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Agriculture Research Facility 2 Poultry Research Facility Relocation - 12/11/2018 - FCR 10 CM-at-Risk project delivery method reported to CPBOC on 2/19/2019 Use of \$354,000 in federal funds reported to CPBOC on 12/15/2021	Woodford	2018-2020	Complete/In Warranty	100	08/04/22	08/04/22
Construct Ambulatory Facility - UK HealthCare Cancer Treatment Center/Ambulatory Surgery Center (Design Only) - 5/4/2021 - FCR 12 Approved pursuant to KRS 45.763 Use of \$50 million in restricted funds rather than agency bonds reported to CPBOC on 12/15/2022 See Construct UKHC Cancer Treatment Center and Ambulatory Outpatient Center (combined auth)	Fayette	2020-2022	Combined Authorities			
Construct Beam Institute	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Beam Institute 1 6/19/2020 - FCR 9 See Construct Beam Institute I and II (combined auth)	Fayette	2020-2022	Combined Authorities			
Construct Beam Institute 2 Construct Maturation Building - 5/04/2021 - FCR 10 Use of private funds reported to CPBOC on 5/18/2021 See Construct Beam Institute I and II (combined auth)	Fayette	2020-2022	Combined Authorities			
Construct Beam Institute I and II (combined auth)	Fayette	2020-2022	Multiple Subprojects			

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Authorizations for the following projects have been combined (2/18/2022 - FCR 13) and reported to CPBOC on 5/19/2022: Construct Beam Institute 1 (Still Building) - \$10 million in restricted funds Construct Beam Institute 2 (Maturation Building) - \$10 million in restricted funds (use of \$125,000 in private funds reported to CPBOC on 5/18/2021) Projects were bid together on November 9, 2021 - \$9.525 million combined revised scope						
Sub-projects:						
Construct Beam Institute I and II (combined auth) (Sub-project: Maturation Building)						
Construct Beam Institute I and II (combined auth) (Sub-project: Still Building)						
Construct Beam Institute I and II (combined auth) (Sub-project: Maturation Building)	Fayette	2020-2022	In Construction	37	05/15/23	
Construct Beam Institute I and II (combined auth) (Sub-project: Still Building)	Fayette	2020-2022	In Construction	46	05/03/23	
Construct Childcare Center Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct College of Medicine Building Design Phase - 5/4/2021 - FCR 13	Fayette	2020-2022	Design/Phase A			
Construct Cross Country Trail	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Data Center - UK HealthCare Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Digital Village Building 3A	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Digital Village Building 3B	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Engineering Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Equine Campus, Phase 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Facilities Shops and Storage Facility Vaughan Warehouse #1 and #7 Replacement for UK HealthCare - 6/17/2021 - FCR 11	Fayette	2020-2022	Complete/In Warranty	100	03/03/23	03/03/23
Construct Facilities Shops and Storage Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
* Construct Health Education Building Approved pursuant to KRS 45.763 CM-at-Risk project delivery method reported to CPBOC on 7/21/2022	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Hospice Facility - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Indoor Track Approved pursuant to KRS 45.763 2/18/2022 - FCR 14	Fayette	2020-2022	In Construction	21	11/07/23	

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Construct Indoor Track Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Library Depository Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical Facility 1 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical Facility 2 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical Facility 3 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical/Administrative Facility 1 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical/Administrative Facility 2 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Medical/Administrative Facility 3 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Metal Arts/Digital Media Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct New Alumni Center Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct North Farm Agricultural Research Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Office Park at Coldstream Approved pursuant to KRS 45.763	Fayette	2020-2022	Awaiting Initiation by Agency			
Construct Office Park at Coldstream Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Patient Care Facility (combined auth)	Fayette	2002-2004	Multiple Subprojects			

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<p>Authorizations for the following projects were combined: Improve Central Heating Plant (2002-04) - \$4 million (2004-06 Additional) Expand Plant Capacity/Infrastructure (2002-04) - \$23 million (2004-06 Additional) Replace Cooling Plant Chillers (2002-04) - \$6 million (2004-2006 Additional) Design Patient Bed Tower - Hospital (2002-04) - \$10 million Land Acquisition Pool (2004-06) - \$5 million of \$15 million Construct Patient Care Facility - Hospital (2004-06) - \$200 million (\$100 million in Agency Bonds) Construct Patient Care Facility Phase II - Hospital (2006-08) - \$175 million (\$150 million in Agency Bonds) Purchase Furniture and Equipment - Patient Care Facility (2006-08) - \$27 million Expand Patient Care Facility - Hospital Phase III (2008-10) - \$250 million (HB 4 allowed a \$100 million Agency Bond authorization - meant to replace a portion of the original restricted fund authorization) UK did not utilize \$100 million authorization for Expand Patient Care Facility - Hospital Phase 4 (2010-12) Expand Patient Care Facility - Hospital Phase 3 (2012-14) - \$50 million</p>						
<p>Subprojects (Data Center and Support was also a component): Construct Patient Care Facility - Hospital (Subproject 1 - Huguelet Drive Extension) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 2 - Parking Garage) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 3 - Cooling Plant #1) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 4 - Central Utilities Plant Expansion) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 5 - Building) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 6 - Pavilion A, OR Suites and Support) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 7 - Eighth Floor Patient Beds and Pharmacy) - Complete/Closed Out Construct Patient Care Facility - Hospital (Subproject 8 - Clinical Decision Unit) - Complete/Closed Out Construct Patient Care Facility (combined auth) (Sub-project 1J: Fit-up Pavilion A Basement and Other Improvements) - 12/15/2020 - FCR 15</p>						
Construct Patient Care Facility (combined auth) (Sub-project 1J: Fit-up Pavilion A Basement/Etc.)	Fayette	2002-2004	In Construction	70	06/18/24	
Construct Police Headquarters	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Research/Incubator Facility Approved pursuant to KRS 45.763 2/21/2020 - FCR 7 (prior authorization) P3 project delivery method reported to CPBOC on 5/19/2020 CPBOC approved development agreement on 8/19/2020	Fayette	2020-2022	Awaiting Initiation by Agency			
Construct Retail/Parking Facility 1 Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Retail/Parking Facility 2 Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct State Street Medical Facilities	Fayette	2022-2024	Combined Authorities			

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See Construct UKHC Cancer Treatment Center and Ambulatory Outpatient Center (combined auth)						
Construct Student Housing	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Teaching Pavilion	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct Tennis Facility Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct UKHC Cancer Treatment Center and Ambulatory Outpatient Center (combined auth) Authorizations for the following projects have been combined (12/13/2022 - FCR) reported to CPBOC on 12/15/2022: Construct Ambulatory Facility - UK HealthCare - \$250 million in agency bonds; \$150 million in restricted funds; and \$50 million in third party financing Construct State Street Medical Facilities - \$100 million in restricted funds	Fayette	2022-2024	Design/Phase A			
Construct/Expand/Improve Ambulatory Care - UK HealthCare Approved pursuant to KRS 45.763 Sub-projects: Construct/Expand/Improve Ambulatory Care - UK HealthCare (Sub-project: HA Forensics/Pediatric Sleep) - 5/04/2021 - FCR 11 (prior authorization)	Fayette	2022-2024	Multiple Subprojects			
Construct/Expand/Improve Ambulatory Care - UK HealthCare (Sub-project: HA Forensics/Pediatric Sleep) Use of private funds reported to CPBOC on 5/18/2021	Fayette	2022-2024	Awarding Contract			
Construct/Fit-Up Retail Space	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Athletics Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Athletics Playing Fields 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Athletics Playing Fields 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Athletics Playing Fields 3	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Dining Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Greek Housing	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Greek Housing Sub-projects: Construct/Improve Greek Housing (Sub-project: Alpha Delta Pi) - 6/19/2020 - FCR 8 Construct/Improve Greek Housing (Sub-project: Delta Gamma) - 2/19/2021 - FCR 9	Fayette	2020-2022	Multiple Subprojects			

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Construct/Improve Greek Housing (Sub-project: Alpha Delta Pi)	Fayette	2020-2022	Complete/Not Closed Out	100	08/09/21	08/09/21
Construct/Improve Greek Housing (Sub-project: Delta Gamma) CM-at-Risk project delivery method reported to CPBOC on 3/15/2021	Fayette	2020-2022	In Construction	4	12/15/23	
Construct/Improve Gymnastic Practice Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Innovation Facility Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Medical/Administrative Facilities - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Medical/Administrative Facility 1 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Medical/Administrative Facility 2 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Medical/Administrative Facility 3 - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Office Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Parking I	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Parking II	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Improve Recreation Quad 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Relocate Data Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Construct/Relocate/Replace Greenhouses	Fayette	2022-2024	Awaiting Initiation by Agency			
Decommission Facilities Demolition of Kirwan-Blanding - 12/12/2017 - FCR 6	Fayette	2016-2018	Complete/Closed Out	100	06/30/21	06/30/21
Decommission Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Emergency Replacement of Grain and Forage Center of Excellence 4/29/2022 - FCR 9; 6/17/2022 - FCR 17	Caldwell	CPBOC-5/01/22	Design/Phase B			
Expand KGS Well Sample and Core Repository	Fayette	2022-2024	Awaiting Initiation by Agency			
Expand Student Center (Dining)	Fayette	CPBOC-12/01/19	Complete/Not Closed Out	100	07/30/21	07/30/21

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10/18/2019 - PR 1 (2018-2020 Improve Student Center Space 2 authorization sometimes referenced) CM-at-Risk project delivery method reported to CPBOC on 1/21/2020						
* Expand/Renovate/Upgrade Law Building	Fayette	2014-2016	Complete/Not Closed Out	100	08/08/19	08/08/19
Facilities Renewal and Modernization	Fayette	2020-2022	Multiple Subprojects			
Sub-projects:						
Facilities Renewal and Modernization (Sub-project: Barnhart Building - Design) - 6/17/2022 - FCR 18						
Facilities Renewal and Modernization (Sub-project: Campus Enabling Infrastructure) - 6/17/2022 - FCR 18						
Facilities Renewal and Modernization (Sub-project: Frazee Interior Fit-Up) - 6/17/2022 - FCR 18						
Facilities Renewal and Modernization (Sub-project: Frazee Phase II)						
Facilities Renewal and Modernization (Sub-project: Memorial Hall) - 6/17/2022 - FCR 18						
Facilities Renewal and Modernization (Sub-project: Reynolds Building #1 Phase II) - 6/17/2022 - FCR 18						
Facilities Renewal and Modernization (Sub-project: Barnhart Building - Design)	Fayette	2022-2024	Design/Phase A			
Facilities Renewal and Modernization (Sub-project: Campus Enabling Infrastructure)	Fayette	2022-2024	In Construction	65	07/11/23	
Facilities Renewal and Modernization (Sub-project: Frazee Interior Fit-Up)	Fayette	2022-2024	In Construction	8	08/05/23	
Facilities Renewal and Modernization (Sub-project: Frazee Phase II)	Fayette	2022-2024	In Construction	72	06/25/23	
Facilities Renewal and Modernization (Sub-project: Memorial Hall)	Fayette	2022-2024	Awaiting Initiation by Agency			
Facilities Renewal and Modernization (Sub-project: Reynolds Building #1 Phase II)	Fayette	2022-2024	In Construction	29	01/17/24	
Facilities Renewal and Modernization 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Facilities Renewal, Modernization & Deferred Maintenance	Fayette	2016-2018	Multiple Subprojects			
Sub-projects:						
Facilities Renewal, Modernization & Deferred Maintenance (Sub-project: Chemistry/Physics 3rd Floor) - 10/20/2017 - PR 4						
Facilities Renewal, Modernization & Deferred Maintenance (Sub-project: Grehan Journalism Building) - 10/20/2017 - PR 4 - Complete/Closed Out						
Facilities Renewal, Modernization & Deferred Maintenance (Sub-project: Infrastructure) - 10/20/2017 - PR 4 - Complete/Closed Out						
Facilities Renewal, Modernization & Deferred Maintenance (Sub-project: Chemistry/Physics 3rd Floor)	Fayette	2016-2018	Complete/In Warranty	100	07/27/22	07/27/22
Implement Land Use Plan	Fayette	2022-2024	Awaiting Initiation by Agency			

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Sub-projects:						
Implement Land Use Plan (Sub-project: Meadowcrest) - 6/17/2022 - FCR 15						
Implement Land Use Plan (Sub-project: Meadowcrest)	Fayette	2022-2024	Other			
Comments: BOT approved additional acreage FCR 17 Feb 17 2023						
Implement Patient Communication System - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Academic Facility 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Academic/Administrative Space 1 Renew/Modernize Cooper House - 6/17/2021 - FCR 9	Fayette	2020-2022	Complete/In Warranty	100	11/16/22	11/16/22
Improve Academic/Administrative Space 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Academic/Administrative Space 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Academic/Administrative Space 3	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Academic/Administrative Space 4	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Administrative/Office Facility - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Anderson Tower	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Athletics Facility 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Athletics Facility 2	Fayette	2022-2024	Multiple Subprojects			
Sub-projects:						
Improve Athletics Facility 2 (Sub-project: Nutter Fieldhouse) - 2/18/2022 - FCR 15 (prior authorization)						
Improve Athletics Facility 2 (Sub-project: Nutter Fieldhouse)	Fayette	2022-2024	In Construction	20	12/31/23	
Improve Athletics Facility 3	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Athletics Facility 4	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Athletics Facility 5	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Barnhart Building 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Barnhart Building 2 Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Baseball Facility Phase II	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Boone Tennis Center	Fayette	2022-2024	Awaiting Initiation by Agency			

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Improve Building Electrical Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Building Mechanical Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Building Shell Systems Peterson Service Building Window Replacement - 12/14/2021 - FCR 14	Fayette	2020-2022	In Construction	60	06/30/23	
Improve Building Shell Systems Sub-projects: Improve Building Shell Systems (Sub-project: William T. Young Library Roof Replacement) - 12/14/2021 - FCR 15 (prior authorization)	Fayette	2022-2024	Multiple Subprojects			
Improve Building Shell Systems (Sub-project: William T. Young Library Roof Replacement)	Fayette	2020-2022	In Construction	10	04/28/23	
Improve Building Systems - UK HealthCare Sub-projects: Improve Building Systems - UK HealthCare (Sub-project: Pavilion H - Replace AHU S1 & S1A) - 10/15/2020 - FCR 2; 9/10/2021 - FCR 8 Improve Building Systems - UK HealthCare (Sub-project: Pavilion WH - Replace AHU 4 & 5) - 10/15/2020 - FCR 3	Fayette	2020-2022	Multiple Subprojects			
Improve Building Systems - UK HealthCare Sub-projects: Improve Building Systems - UK HealthCare (Sub-project: Good Samaritan Emergency Generator Upgrade) - 12/15/2020 - FCR 16 (prior authorization)	Fayette	2022-2024	Multiple Subprojects			
Improve Building Systems - UK HealthCare (Replace AHU 3 at Pav WH)	Fayette	2022-2024	Design/Phase B			
Improve Building Systems - UK HealthCare (Sub-project: Good Samaritan Emergency Generator Upgrade)	Fayette	2022-2024	Revising/Rebidding			
Improve Building Systems - UK HealthCare (Sub-project: Pavilion H - Replace AHU S1 & S1A)	Fayette	2020-2022	In Construction	89	05/25/23	
Improve Building Systems - UK HealthCare (Sub-project: Pavilion WH - Replace AHU 4 & 5)	Fayette	2020-2022	Complete/In Warranty	100	08/15/22	08/15/22
Improve Building Systems - UKHC Sub-projects: Improve Building Systems - UKHC (Sub-project: Pav H AHU) - 9/13/2019 - FCR 5 - Complete/Closed Out Improve Building Systems - UKHC (Sub-project: Pav HA AHU #1, 2, & 3) - 9/14/2018 - FCR 6 Improve Building Systems - UKHC (Sub-project: Pav HA AHU #8) - 6/16/2017 - FCR 9 - Complete/Closed Out	Fayette	2016-2018	Multiple Subprojects			
Improve Building Systems - UKHC (Sub-project: Pav HA AHU #1, 2, & 3)	Fayette	2016-2018	Complete/Not Closed Out	100	09/20/21	09/20/21
Improve CAER Facilities	Fayette	2018-2020	Multiple Subprojects			

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Sub-projects:						
Improve CAER Facilities (Sub-project: Carbon Fiber Development Facility) - 2/21/2020 - FCR 10; Authorization switched to Improve Center for Applied Energy Research Facilities (Sub-project: Carbon Fiber Developmnt Facility) - 6/17/2022 - FCR 23						
Improve CAER Facilities (Sub-project: Laboratory Building #1 Chiller Replacement) - 2/21/2020 - FCR 8 - Complete/Closed Out						
Improve CAER Facilities (Sub-project: Mineral Process Building Expansion) - 2/21/2020 - FCR 9						
Improve CAER Facilities (Sub-project: Mineral Process Building Expansion)	Fayette	2018-2020	Complete/In Warranty	100	11/30/22	11/30/22
Use of federal funds reported to CPBOC on 6/25/2020						
Improve Campus Core Quadrangle Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Campus Infrastructure Upgrade	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Campus Parking and Transportation System	Fayette	2018-2020	Multiple Subprojects			
Sub-projects:						
Improve Campus Parking and Transportation System (Sub-project: 2020 Maintenance) - 12/10/2019 - FCR 9; Use of restricted funds component of authorization - Complete/Closed Out						
Improve Campus Parking and Transportation System (Sub-project: Parking Structure #5) - 12/11/2018 - FCR 13; Approved pursuant to KRS 45.763/Funded pursuant to KRS 45A.007; CPBOC approved development agreement, including facilities lease, on May 14, 2019						
Improve Campus Parking and Transportation System	Fayette	2022-2024	Awaiting Initiation by Agency			
Approved pursuant to KRS 45.763						
Sub-projects:						
Improve Campus Parking and Transportation System (Sub-project: 2023 Maintenance) - 6/17/2022 - FCR 21						
Improve Campus Parking and Transportation System (Sub-project: Parking Structure 2 Renovations) - 9/16/2022 - FCR 8						
Improve Campus Parking and Transportation System (Sub-project: 2023 Maintenance)	Fayette	2022-2024	Bidding			
Improve Campus Parking and Transportation System (Sub-project: Parking Structure #5)	Fayette	2018-2020	Complete/Closed Out	100	10/09/20	10/09/20
Improve Campus Parking and Transportation System (Sub-project: Parking Structure 2 Renovations)	Fayette	2022-2024	Bidding			
Improve Campus Parking and Transportation System 2020	Fayette	2020-2022	Multiple Subprojects			
Approved pursuant to KRS 45.763						
Sub-project:						
Improve Campus Parking and Transportation System 2020 (Sub-project: 2021 Maintenance) - 2/19/2021 - FCR 5; Use of restricted funds component of authorization						
Improve Campus Parking and Transportation System 2020 (Sub-project: 2022 Maintenance) - 12/14/2021 - FCR 13; Use of restricted funds component of authorization						

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Improve Campus Parking and Transportation System 2020 (Sub-project: 2021 Maintenance)	Fayette	2020-2022	Complete/Closed Out	100	11/01/21	11/01/21
Improve Campus Parking and Transportation System 2020 (Sub-project: 2022 Maintenance)	Fayette	2020-2022	Complete/In Warranty	100	12/14/22	12/14/22
Improve Center for Applied Energy Research Facilities	Fayette	2022-2024	Multiple Subprojects			
Sub-projects:						
Improve Center for Applied Energy Research Facilities (Sub-project: Carbon Fiber Developmnt Facility) - 6/17/2022 - FCR 23						
Improve Center for Applied Energy Research Facilities (Sub-project: Carbon Fiber Developmnt Facility)	Fayette	2022-2024	Design/Phase C			
Initially reported as Improve CAER Facilities (Sub-project: Carbon Fiber Development Facility) - 2/21/2020 - FCR 10						
Improve Central Plants	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Chemistry/Physics Building Phase 3	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Child Development Center - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Civil/Site Infrastructure University Court - 12/13/2016 - FCR 10	Fayette	2016-2018	Cancelled			
Improve Civil/Site Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Civil/Site Infrastructure 2018 Approved pursuant to KRS 45.763	Fayette	2018-2020	Multiple Subprojects			
Sub-project:						
Improve Civil/Site Infrastructure 2018 (Sub-project: Library Drive Extension Phase 1) - 2/22/2019 - FCR 6 - Complete/Closed Out						
Improve Civil/Site Infrastructure 2018 (Sub-project: South Campus Quad) - 12/10/2019 - FCR 13 - Cancelled						
Improve Civil/Site Infrastructure 2018 (Sub-project: South Campus Quad)	Fayette	2018-2020	Cancelled			
Improve Clinical/Ambulatory Services Approved pursuant to KRS 45.763	Fayette	2016-2018	Multiple Subprojects			
Sub-projects:						
Improve Clinical/Ambulatory Services (Sub-project: Cancer Services) - 6/22/2018 - FCR 6						
Improve Clinical/Ambulatory Services (Sub-project: Otolaryngology) - 6/24/2016 - FCR 14 - Complete/Closed Out						
Improve Clinical/Ambulatory Services (Sub-project: Radiation Medicine Accelerator/Brachytherapy) - 9/09/2016 - FCR 11						

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Improve Clinical/Ambulatory Services (Sub-project: Cancer Services)	Fayette	2016-2018	Complete/Not Closed Out	100	11/02/21	11/02/21
Improve Clinical/Ambulatory Services (Sub-project: Radiation Medicine Accelerator/Brachytherapy)	Fayette	2016-2018	Complete/Closed Out	100	11/06/19	11/06/19
Improve Clinical/Ambulatory Services Facilities - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Coldstream Research Campus Public Infrastructure - 5/5/2020 - FCR 5 (prior authorization); 5/4/2021 - FCR 9	Fayette	2020-2022	In Construction	91	05/31/23	
Improve Coldstream Research Campus	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve College of Agriculture, Food, and Environment Motor Pool Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Cooper House Prior authorization moved to Improve Academic/Administrative Space 1 - 6/17/2021 - FCR 9	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Dentistry Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Division of Laboratory Animal Resources Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Electrical Infrastructure Sub-project: Improve Electrical Infrastructure (Sub-project: Ag North/South Complex) - 9/11/2020 - FCR 8	Fayette	2020-2022	Multiple Subprojects			
Improve Electrical Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Electrical Infrastructure (Sub-project: Ag North/South Complex)	Fayette	2020-2022	In Construction	96	04/30/23	
Improve Elevator Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Enterprise Networking 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Enterprise Networking 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Fume Hood Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Funkhouser Building Approved pursuant to KRS 45.763 6/17/2022 - FCR 24 (Design)	Fayette	2022-2024	A/E Selection			
Improve Good Samaritan Hospital Facilities	Fayette	2018-2020	Multiple Subprojects			

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Sub-projects:						
Improve Good Samaritan Hospital Facilities (Sub-project: Interventional Radiology) - 2/22/2019 - FCR 7 - Cancelled						
Improve Good Samaritan Hospital Facilities (Sub-project: Magnetic Resonance Imaging) - 6/22/2018 - FCR 5 - Complete/Closed Out						
Improve Good Samaritan Hospital Facilities (Sub-project: Third Floor Renovation) - 2/21/2020 - FCR 11						
Improve Good Samaritan Hospital Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Good Samaritan Hospital Facilities (Sub-project: Third Floor Renovation)	Fayette	2018-2020	Complete/Not Closed Out	100	04/16/21	04/16/21
Improve Housing Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Jacobs Science Building 6/17/2022 - FCR 20	Fayette	2022-2024	Bidding			
Improve Joe Craft Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Joe Craft Football Practice Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Johnson Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Kastle Hall	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve King Library Sub-projects:	Fayette	2022-2024	Multiple Subprojects			
Improve King Library (Sub-project: Replace Substation and Electrical Upgrades) - 9/16/2022 - FCR 10						
Improve King Library (Sub-project: Replace Substation and Electrical Upgrades)	Fayette	2022-2024	In Construction	10	06/30/23	
Improve Kingsbrook Lifecare Center - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Kroger Field Stadium Audio Visual Improvements - 2/18/2022 - FCR 16	Fayette	2020-2022	Complete/In Warranty	100	08/17/22	08/17/22
Improve Kroger Field Stadium	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Lancaster Aquatic Center 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Lancaster Aquatic Center 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Lexington Theological Seminary Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Library Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Life Safety	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Markey Cancer Center Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			

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Improve McVey Hall	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Mechanical Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Center Library	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 1 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 10 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 11 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 12 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 13 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 14 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 15 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 16 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 17 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 2 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 3 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 4 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 5 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 6 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 7 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Facility 8 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			

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Improve Medical Facility 9 - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Medical Plaza	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Memorial Coliseum Design - 2/22/2019 - FCR 8	Fayette	2018-2020	Design/Phase C			
Improve Memorial Coliseum This authorization may be used in addition to Facilities Renewal and Modernization project allocation depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Memorial Hall	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Mineral Industries Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Multi-Disciplinary Science Building This authorization may be used in addition to Asset Preservation Pool - 2022-2024 project allocation depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Nursing Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Nutter Field House	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Nutter Training Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking Garage 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking Garage 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking/Transportation System - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking/Transportation Systems 1 UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking/Transportation Systems 2 UK HealthCare Approved pursuant to KRS 45.763	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Parking/Transportation Systems UK HealthCare Approved pursuant to KRS 45.763 Parking Structure 8 Expansion - Design Only - 6/17/2021 - FCR 10 CM-at-Risk project delivery method reported to CPBOC on 11/18/2021	Fayette	2020-2022	Design/Phase C			
Improve Pence Hall This authorization may be used in addition to Asset Preservation Pool 2022-2024 project allocation depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			

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Improve Peterson Service Building This authorization may be used in addition to Asset Preservation Pool - 2022-2024 project allocation depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Reynolds Building 1 This authorization may be used in addition to Renew/Modernize Facilities and Facilities Renewal and Modernization project allocations depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Sanders-Brown Building See Improve Sanders-Brown Center on Aging/Neuroscience Facilities (combined auth)	Fayette	2020-2022	Combined Authorities			
Improve Sanders-Brown Center on Aging/Neuroscience Facilities (combined auth) Authorizations for the following projects have been combined (9/10/2021 - FCR 5) and reported to CPBOC on 10/21/2021: Improve Sanders-Brown Building - \$35 million in restricted funds Improve Sanders-Brown Center on Aging/Neuroscience Facilities Completion - \$14 million in bond funds and \$14 million in private funds Use of the \$14 million bond funds and \$14 million of the \$35 million restricted funds authorization is anticipated CM-at-Risk project delivery method reported to CPBOC on 2/22/2022	Fayette	2020-2022	In Construction	20	03/12/25	
* Improve Sanders-Brown Center on Aging/Neuroscience Facilities Completion Approved pursuant to KRS 45.763 See Improve Sanders-Brown Center on Aging/Neuroscience Facilities (combined auth)	Fayette	2020-2022	Combined Authorities			
Improve Scovell Hall	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Seaton Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Senior Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Site/Civil Infrastructure - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Soccer/Softball Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Spindletop Hall Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve State Street Medical Facilities	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Student Center Space 2	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Student Center Space 3	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Sturgill Development Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Taylor Education Building	Fayette	2022-2024	Awaiting Initiation by Agency			

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Improve UK HealthCare Facilities - UK Chandler Hospital	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve University Storage Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Utilities Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Utilities Infrastructure - Royal Blue Health - UK	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve W.T. Young Facility	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Whalen Building and Bay Facility - Kentucky Advanced Manufacturing	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve White Hall Classroom Building This authorization may be used in addition to Asset Preservation Pool - 2022-2024 project allocation depending upon condition of building	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Wildcat Coal Lodge	Fayette	2022-2024	Awaiting Initiation by Agency			
Improve Willard Medical Education Building	Fayette	2022-2024	Awaiting Initiation by Agency			
Lease - Purchase Campus Call Center System	Fayette	2022-2024	Awaiting Initiation by Agency			
Lease - Purchase Campus Infrastructure Networking Equipment to Improve UK Network (Data Center of the Future) - 9/4/2019 - 20 IT 08	Fayette	2018-2020	Complete/Closed Out	100	04/30/22	04/30/22
Lease - Purchase Campus IT Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Lease - Purchase High Performance Computer	Fayette	2022-2024	Awaiting Initiation by Agency			
Lease - Purchase Network Security	Fayette	2022-2024	Awaiting Initiation by Agency			
Lease - Purchase Voice Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Purchase/Construct CO2 Capture Process Plant Approved pursuant to KRS 45.763 9/16/2022 - FCR 4	Fayette	2022-2024	Planning			
Renew/Modernize Facilities	Fayette	2018-2020	Multiple Subprojects			

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Sub-projects:						
Renew/Modernize Facilities (Sub-project: 18th Floor Patterson) - 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: Campus Enabling Infrastructure Phase I) - 12/10/2019 - FCR 11 - Complete/Closed Out						
Renew/Modernize Facilities (Sub-project: Campus Enabling Infrastructure Phase II) - 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: Chemistry/Physics Phase II) - 2/22/2019 - FCR 2; 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: Modernize Frazee Hall) - 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: Reynolds Building #1 Design) - 2/22/2019 - FCR 3; 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: Reynolds Building #1 Phase I) - 6/17/2022 - FCR 25						
Renew/Modernize Facilities (Sub-project: Scovell Hall Design) - 6/21/2019 - FCR 19; 12/10/2019 - FCR 11 - Cancelled						
Renew/Modernize Facilities (Sub-project: Study of Quad) - 12/10/2019 - FCR 11 - Complete/Closed Out						
Renew/Modernize Facilities (Sub-project: White Hall Renovation Phase I) - 12/10/2019 - FCR 11						
Renew/Modernize Facilities (Sub-project: 18th Floor Patterson)	Fayette	2018-2020	Complete/Closed Out	100	06/16/21	06/16/21
Renew/Modernize Facilities (Sub-project: Campus Enabling Infrastructure Phase II)	Fayette	2018-2020	In Construction	65	07/11/23	
Renew/Modernize Facilities (Sub-project: Chemistry/Physics Phase II)	Fayette	2018-2020	Complete/In Warranty	100	07/27/22	07/27/22
Renew/Modernize Facilities (Sub-project: Modernize Frazee Hall)	Fayette	2018-2020	In Construction	72	06/25/23	
CM-at-Risk project delivery method reported to CPBOC on 9/16/2020						
Renew/Modernize Facilities (Sub-project: Reynolds Building #1 Design)	Fayette	2018-2020	In Construction	29	01/17/24	
Renew/Modernize Facilities (Sub-project: Reynolds Building #1 Phase I)	Fayette	2018-2020	Awaiting Initiation by Agency			
Renew/Modernize Facilities (Sub-project: White Hall Renovation Phase I)	Fayette	2018-2020	Complete/Closed Out	100	02/14/22	02/14/22
Renovate Carnahan House	Fayette	2022-2024	Awaiting Initiation by Agency			
Renovate Space for a Testing Center	Fayette	2022-2024	Awaiting Initiation by Agency			
Renovate/Expand University Student Center	Fayette	2014-2016	Complete/Not Closed Out	100	06/18/18	06/18/18
Renovate/Improve Nursing Units - UK HealthCare Pav H 3rd Floor Behavioral Health - 9/11/2020 - FCR 7	Fayette	2020-2022	In Construction	90	06/14/23	
Renovate/Improve Nursing Units - UK HealthCare	Fayette	2022-2024	Awaiting Initiation by Agency			
Renovate/Upgrade HealthCare Facilities See Renovate/Upgrade UK HealthCare Facilities (combined auth)	Fayette	2014-2016	Combined Authorities			

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Renovate/Upgrade Healthcare Facilities (Agency Bonds) See Renovate/Upgrade UK HealthCare Facilities (combined auth)	Fayette	2016-2018	Combined Authorities			
Renovate/Upgrade Healthcare Facilities (Restricted Funds) Sub-projects: Renovate/Upgrade Healthcare Facilities (Restricted Funds) (Sub-project: Simulation Center) - 12/13/2016 - FCR 12 - Complete/Closed Out Renovate/Upgrade Healthcare Facilities (Restricted Funds) (Sub-project: University Inn) - 12/13/2016 - FCR 11 - Complete/Closed Out	Fayette	2016-2018	Multiple Subprojects			
Renovate/Upgrade HealthCare Facilities 2 See Renovate/Upgrade UK HealthCare Facilities (combined auth)	Fayette	2014-2016	Combined Authorities			
Renovate/Upgrade UK HealthCare Facilities (combined auth) Authorizations for the following projects have been combined and transmitted March 2015 and reported June 20, 2017 to CPBOC: Renovate/Upgrade HealthCare Facilities (2014-2016) - \$150 million in agency bonds Renovate/Upgrade HealthCare Facilities 2 (2014-2016) - \$130 million in restricted funds Renovate/Upgrade Healthcare Facilities (2016-2018) - \$150 million in agency bonds Sub-projects: Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1F: 9th & 10th Floor Fit-Out and Elevators) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1F: Chiller) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1F: Kitchen/Cafeteria) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1G: Blood Bank) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1G: MRI, Hyperbaric & Radiology) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1F: Children's Hospital NICU) Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1G: 11th Floor) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1G: Pavilion A - Surgery) - Complete/Closed Out Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Endoscopy Renovation) - 6/24/2016 - FCR 15 - Cancelled Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Fit-up 5th & 12th Floors) - 2/19/2016 - FCR 13; 6/24/2016 - FCR 15; 12/12/2017 - FCR 12; 6/19/2020 - FCR 10 Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Interventional Pav A) - 6/24/2016 - FCR 15 Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Obstetrical Pav HA & H) - 6/24/2016 - FCR 15; 12/12/2017 - FCR 12 - Cancelled Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Phase 2 Radiology Pav A) - 6/24/2016 - FCR 15 - Cancelled	Fayette	2014-2016	Multiple Subprojects			
Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1F: Children's Hospital NICU)	Fayette	2014-2016	Complete/Closed Out	100	03/16/18	03/16/18

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Renovate/Upgrade UK Healthcare Facilities (combined auth) (Sub-project 1I: Fit-up 12th Floor)	Fayette	2014-2016	In Construction	50	12/15/23	
Renovate/Upgrade UK Healthcare Facilities (combined auth) (Sub-project 1I: Fit-up 5th Floor)	Fayette	2014-2016	Complete/In Warranty	100	04/20/22	04/20/22
Renovate/Upgrade UK HealthCare Facilities (combined auth) (Sub-project 1I: Interventional Pav A)	Fayette	2014-2016	Complete/Closed Out	100	01/21/21	01/21/21
Repair Critical Infrastructure/Buildings Systems	Fayette	2022-2024	Awaiting Initiation by Agency			
Repair/Replace Campus Cable Infrastructure	Fayette	2022-2024	Awaiting Initiation by Agency			
Repair/Upgrade/Expand Central Plant Cooling Plant #1 Tower Replacement - 6/21/2019 - FCR 18	Fayette	2018-2020	In Construction	75	06/25/23	
Repair/Upgrade/Expand Central Plants Sub-project: Repair/Upgrade/Expand Central Plants (Sub-project: Deaerators) - 2/19/2021 - FCR 5 Repair/Upgrade/Expand Central Plants (Sub-project: Expand Central Plant - Design) - 9/10/2021 - FCR 6	Fayette	2020-2022	Multiple Subprojects			
Repair/Upgrade/Expand Central Plants (Sub-project: Deaerators)	Fayette	2020-2022	Complete/In Warranty	100	12/22/22	12/22/22
Repair/Upgrade/Expand Central Plants (Sub-project: Expand Central Plant - Design)	Fayette	2020-2022	Design/Phase B			
Replace Basketball Playing Floors	Fayette	2022-2024	Awaiting Initiation by Agency			
Replace Princeton Ancillary Building - Field Research Building	Caldwell		Planning			
Replace Princeton Ancillary Building - Princeton Farm Shop	Caldwell		Planning			
Replace Princeton Ancillary Building - Residence Hall	Caldwell		Planning			
Replace UK HealthCare IT Systems 1	Fayette	2022-2024	Awaiting Initiation by Agency			
Replace UKHC IT Systems 1 Single Enterprise Electronic Health Record - 4/30/2019 - FCR 10	Fayette	2018-2020	In Construction	80	06/30/25	
* Research Building 2	Fayette	Other	Multiple Subprojects			

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Initial Authorization - House Bill 298 (2015 Regular Session)						
Sub-projects:						
Research Building 2 (Sub-project: Final Phase)						
Research Building 2 (Sub-project: Phase I - Construct Research Building) - 3/16/2015 - FCR 14 - Complete/Closed Out						
Research Building 2 (Sub-project: Phase III - Fit-Up Two Wet Labs) - 12/10/2019 - FCR 10						
Research Building 2 (Sub-project: Final Phase)	Fayette	Other	Complete/In Warranty	100	06/08/22	06/08/22
Research Building 2 (Sub-project: Phase III - Fit-Up Two Wet Labs)	Fayette	Other	Complete/Closed Out	100	09/29/21	09/29/21
* Research Building 2 (University of Kentucky HealthCare Disparities Initiative/Phase II)	Fayette	2018-2020	Complete/Closed Out	100	11/09/20	11/09/20
10/19/2018 - PR 4						
Upgrade/Renovate/Expand Research Labs	Fayette	2022-2024	Multiple Subprojects			
Multiple Sub-projects:						
Upgrade/Renovate/Expand Research Labs (Sub-project: Biosafety Lab Renovation - HSRB) - 9/10/2021 - FCR 7 (prior authorization);						
6/17/2022 - FCR 22						
Upgrade/Renovate/Expand Research Labs (Sub-project: Educelab) - 9/16/2022 - FCR 9						
Upgrade/Renovate/Expand Research Labs (Sub-project: Biosafety Lab Renovation - HSRB)	Fayette	2022-2024	In Construction	1	08/18/23	
Upgrade/Renovate/Expand Research Labs (Sub-project: Educelab)	Fayette	2022-2024	In Construction	1	12/04/23	
Use of \$827,000 in federal funds and \$173,000 in private funds reported to CPBOC on 12/15/2022						

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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<u>Cabinet/Agency/Project Title</u>	<u>Scheduled Closeout</u>	<u>Account Balance</u>	<u>Explanation - Why has the account not been closed?</u>
Postsecondary Education Cabinet/University of Kentucky			
Construct/Improve Greek Housing (Sub-project: Alpha Delta Pi)	09/09/22	\$10,000.00	warranty issues
Expand Student Center (Dining)	08/30/22	\$50,000.00	multiple warranty dates
* Expand/Renovate/Upgrade Law Building	09/08/20	\$439,000.00	multiple warranty dates
Improve Building Systems - UKHC (Sub-project: Pav HA AHU #1, 2, & 3)	10/20/22	\$500,000.00	Warranty issues
Improve Clinical/Ambulatory Services (Sub-project: Cancer Services)	12/02/22	\$200,000.00	warranty issues
Improve Good Samaritan Hospital Facilities (Sub-project: Third Floor Renovation)	05/16/22	\$50,000.00	warranty issues
Renovate/Expand University Student Center	07/18/19	\$201,250.00	multiple warranty dates

* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

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Postsecondary Education Cabinet/University of Louisville						
Acquire Dormitories	Jefferson	2022-2024	Awaiting Initiation by Agency			
* Asset Preservation Pool - 2022-2024	Jefferson	2022-2024	In Construction	10	06/30/25	
CM-at-Risk project delivery method reported to CPBOC on 5/19/2022						
Sub-projects:						
Asset Preservation Pool - 2022-2024 (Sub-project: Building Energy Management and Controls)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 0)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 1)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 2)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 3)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 4)						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 5)						
Asset Preservation Pool - 2022-2024 (Sub-project: Life Safety Systems)						
Asset Preservation Pool - 2022-2024 (Sub-project: Refresh/Refurbish Multiple Buildings)						
Asset Preservation Pool - 2022-2024 (Sub-project: Roof Replacement)						
Asset Preservation Pool - 2022-2024 (Sub-project: Schneider Hall - HVAC and Remediation)						
Asset Preservation Pool - 2022-2024 (Sub-project: Building Energy Management and Controls)	Jefferson	2022-2024	In Construction	15	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 0)	Jefferson	2022-2024	Multiple Subprojects			
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 1) Renovate Law School	Jefferson	2022-2024	In Construction	20	09/01/23	
Comments: Replacement of Roof. HVAC upgrade under Asset Preservation Pool #5.						
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 2) Replace HVAC Various Buildings (House Bill 1)	Jefferson	2022-2024	In Construction	8	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 3) Upgrade College of Education HVAC (House Bill 1)	Jefferson	2022-2024	In Construction	5	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 4) Upgrade Dental School HVAC	Jefferson	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: HVAC/Electrical/Plumbing in Various Buildings 5)	Jefferson	2022-2024	In Construction	5	12/31/24	

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Upgrade Law School HVAC						
Asset Preservation Pool - 2022-2024 (Sub-project: Life Safety Systems)	Jefferson	2022-2024	In Construction	15	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: Refresh/Refurbish Multiple Buildings)	Jefferson	2022-2024	In Construction	35	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: Roof Replacement)	Jefferson	2022-2024	In Construction	10	12/31/24	
Asset Preservation Pool - 2022-2024 (Sub-project: Schneider Hall - HVAC and Remediation)	Jefferson	2022-2024	In Construction	10	12/31/24	
Athletics Enhancements in New Dormitory	Jefferson	2022-2024	Awaiting Initiation by Agency			
Athletics Enhancements in New Dormitory	Jefferson	2020-2022	Complete/In Warranty	100	12/31/22	11/01/22
Basketball/Lacrosse Practice Facility Expansion	Jefferson	2022-2024	Design/Phase A			
Design-Build project delivery method reported to CPBOC on 7/21/2022						
Kueber Center Renovation						
Comments: Construction in progress was for an office, which totaled \$750,000. The project to upgrade the entire building is still in design. Updating to reflect the larger project to upgrade building, since the office upgrade was less than \$1M.						
Belknap 3rd Street Improvements	Jefferson	2022-2024	Design/Phase C			
Belknap Brandeis Corridor Improvements	Jefferson	2022-2024	Design/Phase C			
Belknap Campus New Residence Halls (combined auth)	Jefferson	2018-2020	Complete/In Warranty	100	12/01/22	12/01/22
\$90 million of authorized agency bonds was reallocated to Demolish and Construct Residence Halls						
Authorizations for the following projects have been combined and reported to CPBOC, with associated scope reduction from \$103.875 million to \$90 million, on 10/15/2019:						
Demolish and Replace Miller Resident Hall (2018-2020) - \$70.6 million in agency bonds						
Renovate and Expand Threlkeld Resident Hall (2018-2020) - \$33.275 million in agency bonds						
Belknap Century Corridor Improvements	Jefferson	2022-2024	Awaiting Initiation by Agency			
Belknap Stormwater Improvements	Jefferson	2022-2024	Awaiting Initiation by Agency			
Capital Renewal for Athletic Venues	Jefferson	2022-2024	Awaiting Initiation by Agency			
Capital Renewal, Replacement, and Upgrade Pool	Jefferson	2022-2024	Awaiting Initiation by Agency			
Cardinal Stadium Club Upgrades	Jefferson	2020-2022	Combined Authorities			
See Renovate Cardinal Stadium Club (combined auth)						
Cardinal Stadium Club Upgrades	Jefferson	2022-2024	Awaiting Initiation by Agency			

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College of Education HVAC Upgrade	Jefferson	2020-2022	In Construction	60	12/31/23	
Construct Administrative Office Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Artificial Turf Field for Intramural	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Athletic Grounds Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Athletics Office Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Athletics Village	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Belknap Campus Parking Garage	Jefferson	2022-2024	Awaiting Initiation by Agency			
* Construct Belknap Classroom/Academic Building	Jefferson	2014-2016	Complete/In Warranty	100	09/15/18	09/30/22
Construct College of Business Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Football Practice Field Lighting	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct HSC Parking Structure II	Jefferson	2004-2006	Complete/Not Closed Out	100	11/30/09	12/15/09
Construct Indoor Facility	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Medical Office/Lab Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
* Construct Multidisciplinary Engineering Building 1 - Speed School Addition	Jefferson	2022-2024	Design/Phase C			
Construct Natatorium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct Practice Bubble	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct ShelbyHurst Academic Building and Conference Center	Jefferson	2022-2024	Awaiting Initiation by Agency			
Construct/Upgrade Utility Infrastructure	Jefferson	2022-2024	Cancelled			
Demolish and Construct Golf Maintenance/Chemical Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Demolish and Construct Residence Halls Reallocation from Demolish and Replace Miller Residence Hall (\$56.725 million) and Renovate and Expand Threlkeld Residence Hall projects (\$33.275 million)	Jefferson	2020-2022	Multiple Subprojects			
Sub-projects: Demolish and Construct Residence Halls (Sub-project: Phase 1) Demolish and Construct Residence Halls (Sub-project: Phase 2)						

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Demolish and Construct Residence Halls (Sub-project: Phase 1) Initiated under 2018-2020 Belknap Campus New Residence Halls (combined auth) authorization	Jefferson	2020-2022	Complete/In Warranty	100	09/01/21	09/30/22
Demolish and Construct Residence Halls (Sub-project: Phase 2) Initiated under 2018-2020 Belknap Campus New Residence Halls (combined auth) authorization	Jefferson	2020-2022	Complete/In Warranty	100	12/31/22	12/01/22
Demolish and Replace Miller Resident Hall See Belknap Campus New Residence Halls (combined auth) \$56.725 million of the \$70.6 million in agency bonds authorized was reallocated to Demolish and Construct Residence Halls	Jefferson	2018-2020	Combined Authorities			
Expand and Renovate Wright Natatorium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Expand College of Business	Jefferson	2022-2024	Awaiting Initiation by Agency			
Expand Marshall Center Complex	Jefferson	2022-2024	Awaiting Initiation by Agency			
Expand Patterson Stadium/Construct Indoor Facility	Jefferson	2022-2024	Design/Phase A			
Expand Ulmer Softball Stadium/Construct Indoor Facility	Jefferson	2022-2024	Awaiting Initiation by Agency			
Exterior Envelope Replacement School of Medicine Building 55A	Jefferson	2022-2024	Awaiting Initiation by Agency			
Housing Facilities - Lease CPBOC approved master lease on 11/19/2020 (Denny Crum Hall)	Jefferson	2020-2022	Complete/In Warranty	100	12/31/22	10/01/22
Improve Housing Facilities Pool	Jefferson	2022-2024	Awaiting Initiation by Agency			
J.B. Speed Building Renovation - Phase 1	Jefferson	CPBOC-11/01/20	Complete/In Warranty	100	12/31/21	09/01/22
Lease Housing Facilities	Jefferson	2022-2024	Awaiting Initiation by Agency			
Medical Tower - 55A Vivarium	Jefferson	CPBOC-11/01/20	In Construction	25	12/30/24	
Public/Private Partnership Louisville Automation and Robotics Research Institute Building - Speed Sc Approved pursuant to KRS 45.763	Jefferson	2022-2024	Awaiting Initiation by Agency			
Public/Private Partnership Resident Hall Approved pursuant to KRS 45.763	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Computer Processing System and Storage	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Computing for Research Infrastructure	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Content Management System	Jefferson	2020-2022	Awaiting Initiation by Agency			

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Purchase Content Management System	Jefferson	2022-2024	In Construction	10	12/30/24	
Purchase Fiber Infrastructure	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Housing Facilities	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Identity Management	Jefferson	2020-2022	Complete/In Warranty	100	12/31/23	05/30/22
Purchase Identity Management	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Land	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Networking System	Jefferson	2018-2020	Complete/In Warranty	100	01/30/21	08/31/22
Purchase Networking System	Jefferson	2022-2024	Awaiting Initiation by Agency			
Purchase Next Generation/ERP Support System	Jefferson	2020-2022	In Construction	75	12/31/24	
Purchase Research Computing Infrastructure	Jefferson	2018-2020	Complete/In Warranty	100	12/31/22	03/01/23
Regional Biocontainment Laboratory Pressurization Upgrade	Jefferson	2020-2022	In Construction	60	08/30/25	
Renovate and Expand Threlkeld Resident Hall See Belknap Campus New Residence Halls (combined auth) \$33.275 of agency bonds authorized was reallocated to Demolish and Construct Residence Halls	Jefferson	2018-2020	Combined Authorities			
Renovate Bass Rudd Tennis Center	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Belknap Physical Plant Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Cardinal Football Stadium See Renovate Cardinal Stadium Club (combined auth)	Jefferson	2020-2022	Combined Authorities			
Renovate Cardinal Football Stadium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Cardinal Park	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Cardinal Stadium Club (combined auth) Authorizations for the following projects have been combined and reported 11/18/2021 Renovate Cardinal Football Stadium - \$10 million in other funds (cash) Cardinal Stadium Club Upgrades -\$2 million in other funds (cash) Design-build project delivery method reported to CPBOC on 11/18/2021	Jefferson	2020-2022	Complete/In Warranty	100	03/31/23	09/30/22
Renovate Chemistry Fume Hoods, Phase II	Jefferson	2022-2024	Design/Phase A			
Renovate Chemistry Teaching Labs/Auditorium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate College of Business Classrooms	Jefferson	2022-2024	Awaiting Initiation by Agency			

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Renovate Dental School Administrative Space	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Flexner Way Mall	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Fresh Tissue Lab and Morgue	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Garvin Brown Boathouse	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Golf Club Shelby County	Shelby	2022-2024	Awaiting Initiation by Agency			
Renovate Gottschalk Hall	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Gross Anatomy Lab	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Health Sciences Center Instructional and Student Services Space	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Humanities Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Kentucky Lions Eye Center	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Law School Asset Preservation Pool - 2022-2024 authorization will be used instead	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Life Sciences Building Vivarium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Lynn Soccer Stadium	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Marshall Center	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Music School Building Comments: Asset Preservation - 2022-2024 - HVAC, lighting, refresh and security upgrade.	Jefferson	2022-2024	In Construction	10	06/30/24	
Renovate Natural Sciences Building Comments: Asset Preservation Pool - 2022-2024 authorization will be used instead.	Jefferson	2022-2024	Design/Phase A			
Renovate Office Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Parking Structures	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Parking Structures	Jefferson	2020-2022	In Construction	75	06/30/23	
Renovate Patterson Baseball Stadium CM-at-Risk project delivery method reported to CPBOC on 9/29/2022	Jefferson	2022-2024	Complete/In Warranty	100	10/01/23	03/31/23
Renovate School of Medicine Building 55A	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate School of Nursing Building	Jefferson	2020-2022	Multiple Subprojects			

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Sub-project:						
Renovate School of Nursing Building (Sub-project: Phase I) - Complete/Closed Out						
Renovate School of Nursing Building (Sub-project: Phase II)						
Renovate School of Nursing Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate School of Nursing Building (Sub-project: Phase II)	Jefferson	2020-2022	Complete/In Warranty	100	12/31/22	10/31/22
Renovate Speed School Research Building	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Thornton's Academic Center	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Trager Football Practice Facility	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Unitas Residence Hall	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate University Tower Apartments	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovate Vivarium Facilities	Jefferson	2022-2024	Awaiting Initiation by Agency			
Renovation and Adaptation Projects for Various Buildings	Jefferson	2020-2022	Complete/In Warranty	100	12/31/22	03/30/23
Renovation and Adaption Projects for Various Buildings	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace Artificial Turf Field III	Jefferson	2020-2022	Complete/In Warranty	100	06/30/23	12/01/22
Replace Artificial Turf Field III	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace Artificial Turf Field IV	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace Cardinal Stadium Seats	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace Electronic Video Boards	Jefferson	2020-2022	Complete/In Warranty	100	06/30/22	06/30/22
Replace Electronic Video Boards	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace HVAC Various Buildings College of Business and Research Resource Center	Jefferson	2020-2022	Complete/In Warranty	100	06/30/23	03/30/23
Replace HVAC Various Buildings Asset Preservation Pool - 2022-2024 authorization will be used instead	Jefferson	2022-2024	Awaiting Initiation by Agency			
Replace Physical Access Control System	Jefferson	2022-2024	In Construction	5	12/24/23	
Replace Seats in Athletic Venues	Jefferson	2020-2022	Complete/In Warranty	100	06/30/22	06/30/22
Replace Seats in Athletic Venues	Jefferson	2022-2024	Awaiting Initiation by Agency			

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Resurface & Repair Parking Lot	Jefferson	2020-2022	Complete/Closed Out	100	12/31/21	02/01/22
Resurface and Repair Parking Lots	Jefferson	2022-2024	Planning			
Steam Plant Modernization Approved pursuant to KRS 45.763	Jefferson	2022-2024	Cancelled			
Upgrade and Expand WiFi and Cellular Services at Cardinal Stadium	Jefferson	CPBOC-12/01/19	Complete/In Warranty	100	12/31/22	10/01/22
Upgrade College of Education HVAC Asset Preservation Pool - 2022-2024 authorization will be used instead	Jefferson	2022-2024	Awaiting Initiation by Agency			
Upgrade Dental School HVAC Asset Preservation Pool - 2022-2024 authorization will be used instead	Jefferson	2022-2024	Awaiting Initiation by Agency			
Upgrade Law School HVAC Asset Preservation Pool - 2022-2024 authorization will be used instead	Jefferson	2022-2024	In Construction	5	12/30/23	
Upgrade STEM Instruction Buildings	Jefferson	2022-2024	Planning			

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Postsecondary Education Cabinet/University of Louisville Construct HSC Parking Structure II	01/15/11	\$438,342.82	Working to identify a third party to occupy space and build-out accordingly. Also conducted an internal study to identify possible options for the university to build-out.

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Postsecondary Education Cabinet/Western Kentucky University						
Add Club Seating at Diddle Arena	Warren	2022-2024	Awaiting Initiation by Agency			
* Asset Preservation Pool - 2022-2024	Warren	2022-2024	Multiple Subprojects			
Sub-projects:						
Asset Preservation Pool - 2022-2024 (Sub-project: Building Automation System Upgrades)						
Asset Preservation Pool - 2022-2024 (Sub-project: Exterior Lighting)						
Asset Preservation Pool - 2022-2024 (Sub-project: Fiber Optic Cabling System)						
Asset Preservation Pool - 2022-2024 (Sub-project: FY 23 Steam Distribution System)						
Asset Preservation Pool - 2022-2024 (Sub-project: Henry Hardin Cherry Hall Renovation)						
Asset Preservation Pool - 2022-2024 (Sub-project: High Voltage Distribution System)						
Asset Preservation Pool - 2022-2024 (Sub-project: Sanitary Sewer System)						
Asset Preservation Pool - 2022-2024 (Sub-project: Storm Water System)						
Asset Preservation Pool - 2022-2024 (Sub-project: Building Automation System Upgrades)	Warren	2020-2022	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Exterior Lighting)	Warren	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Fiber Optic Cabling System)	Warren	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: FY 23 Steam Distribution System)	Warren	2022-2024	Planning			
Asset Preservation Pool - 2022-2024 (Sub-project: Henry Hardin Cherry Hall Renovation)	Warren	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: High Voltage Distribution System)	Warren	2022-2024	Design/Phase A			
Asset Preservation Pool - 2022-2024 (Sub-project: Sanitary Sewer System)	Warren	2022-2024	Awaiting Initiation by Agency			
Asset Preservation Pool - 2022-2024 (Sub-project: Storm Water System)	Warren	2022-2024	Awaiting Initiation by Agency			
Construct Baseball Grandstand	Warren	2022-2024	Awaiting Initiation by Agency			
Construct Football Pressbox	Warren	2022-2024	Awaiting Initiation by Agency			
Construct, Renovate and Improve Athletic Facilities authorization will be used instead						
Construct Indoor Athletic Training Facility	Warren	2022-2024	Awaiting Initiation by Agency			
Construct, Renovate and Improve Athletic Facilities authorization will be used instead						

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* Construct New Gordon Ford College of Business CM-at-Risk project delivery method reported to CPBOC on 10/27/2022	Warren	2022-2024	Design/Phase B			
Construct Parking Structure IV	Warren	2022-2024	Awaiting Initiation by Agency			
Construct South Plaza	Warren	2022-2024	Awaiting Initiation by Agency			
Construct, Renovate and Improve Athletic Facilities Sub-projects: Construct, Renovate and Improve Athletic Facilities (Sub-project: Hilltopper Fieldhouse) Construct, Renovate and Improve Athletic Facilities (Sub-project: Houchens-Smith Stadium Press Box) Use of \$5.5 million in private funds for Improve Softball and Soccer Complex reported to CPBOC on 2/22/2022 (now under separate authorization) Comments: Please see Permanent Comments	Warren	2020-2022	Other			
Construct, Renovate and Improve Athletic Facilities (Sub-project: Hilltopper Fieldhouse)	Warren	2022-2024	Design/Phase A			
Construct, Renovate and Improve Athletic Facilities (Sub-project: Houchens-Smith Stadium Press Box)	Warren	2022-2024	Design/Phase A			
Demolish Foundation Building/Improve Site	Warren	2020-2022	In Construction	0	08/15/23	
Demolish Garrett Conference Center/Improve Site	Warren	2020-2022	In Construction	45	05/03/23	
Demolish Tate Page Hall/Improve Site	Warren	2020-2022	Complete/Closed Out	100	12/17/21	12/17/21
Expand Track and Field Facilities	Warren	2022-2024	Awaiting Initiation by Agency			
Improve Softball and Soccer Complex Initiated under Construct, Renovate and Improve Athletic Facilities (reported to CPBOC on 2/22/2022)	Warren	2022-2024	In Construction	15	06/01/23	
Purchase Property for Campus Expansion	Warren	2022-2024	Awaiting Initiation by Agency			
Purchase Property/Parking and Street Improvements	Warren	2022-2024	Awaiting Initiation by Agency			
Remove and Replace Student Housing at Farm	Warren	2022-2024	Awaiting Initiation by Agency			
Renovate and Expand Clinical Education Complex	Warren	2022-2024	Awaiting Initiation by Agency			
Renovate and Expand Innovation Campus (Center for Research and Development)	Warren	2022-2024	Awaiting Initiation by Agency			
Renovate Center for Research and Development Phase I	Warren	2022-2024	Awaiting Initiation by Agency			
Renovate Helm/Cravens Library	Warren	2018-2020	Other			

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Sub-projects:						
Renovate Helm/Cravens Library (Sub-project: Construct WKU Commons @ Helm Library)						
Renovate Helm/Cravens Library (Sub-project: Partial Demolition of Helm Library) - Complete/Closed out						
Comments: Warranty Period has expired. Formal punch list has been issued to the General Contractor who is working on completing. Holding retention until all work has been completed.						
Renovate Helm/Cravens Library (Sub-project: Construct WKU Commons @ Helm Library)	Warren	2018-2020	Complete/Not Closed Out	100	03/31/22	03/31/22
Renovate South Campus	Warren	2022-2024	Awaiting Initiation by Agency			
Renovate State/Normal Street Properties	Warren	2022-2024	Awaiting Initiation by Agency			
Replace Underground Infrastructure Phased Steam Line Replacement	Warren	2020-2022	Complete/In Warranty	100	12/17/22	10/28/22

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Postsecondary Education Cabinet/Western Kentucky University			
Renovate Helm/Cravens Library (Sub-project: Construct WKU Commons @ Helm Library)	04/30/23	\$1,150,377.38	Warranty Period has expired. Formal punch list has been issued to the General Contractor who is working on completing. Holding retention until all work has been completed.

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Department of Education/Operations and Support Services						
* Education Finance Application Budgeted Amount - \$2,500,000	Multi	2022-2024	Initiation Phase			
Education and Labor Cabinet/General Administration						
Claims Payment Management System Budgeted Amount - \$2,460,000 Comments: Expenditure: \$738,080.25 % complete: 81%	Multi	2018-2020	Execution & Control Phase			
Labor Market Data Technologies for Job Matching Budgeted Amount - \$6,636,000 Comments: Expenditure: \$0.0 % complete: 0.00%	Multi	2022-2024	Initiation Phase			
Education and Labor Cabinet/KY Educational Television						
KET Next Gen Conversion Budgeted Amount - \$11,500,000 Comments: Expenditure: \$3,635,736.79	Multi	CPBOC-9/01/21	Initiation Phase			
Education and Labor Cabinet/Workforce Investment						
Case Management System Budgeted Amount - \$4,620,000 Comments: Expenditure: \$28,800.00 % complete: 11.00%	Multi	CPBOC-7/01/21	Initiation Phase			
Replace Unemployment Insurance System Budgeted Amount - \$47,500,000 \$10 million reallocated from \$20 million bond funded Legacy Retirement System authorization Comments: Expenditure: \$339,558.71 % complete: 38.00%	Multi	2018-2020	Planning Phase			
Unemployment Insurance System Maintenance and Support Upgrades Budgeted Amount - \$2,000,000 Comments: Expenditure: \$1,433,688.48 % complete: 41.00%	Multi	CPBOC-2/01/22	Initiation Phase			

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Finance and Administration Cabinet/Commonwealth Office of Technology						
Hybrid - Cloud Service Architecture Budgeted Amount - \$3,000,000 Comments: Expenditure: \$0.0 % complete: 1.00%	Multi	2022-2024	Initiation Phase			
* Kentucky Business OneStop (KyBOS) Phase IV Budgeted Amount - \$4,128,000	Multi	2022-2024	Initiation Phase			
* Legacy System Retirement Budgeted Amount - \$10,000,000 No further action planned on project during this fiscal year. Initially \$20 million - \$10 million of authorization reallocated to Replace Unemployment Insurance System Comments: Expenditure: \$0.0 % complete: 38.00%	Multi	2018-2020	Execution & Control Phase			
Finance and Administration Cabinet/Controller						
* eMARS Upgrade and Systems Enhancements Budgeted Amount - \$14,000,000 Comments: Expenditure: \$4,321,770.40 % complete: 27.00%	Multi	2022-2024	Execution & Control Phase			
Finance and Administration Cabinet/General Administration						
* Business One-Stop Portal - Phase III Budgeted Amount - \$12,000,000 Comments: Expenditure: \$5,509,321.72 % complete: 75.00%	Multi	2016-2018	Execution & Control Phase			
Finance and Administration Cabinet/Revenue						
* Integrated Tax System Budgeted Amount - \$92,500,000 Comments: Expenditure: \$24,344,651.37 % complete: 41.00%	Multi	2018-2020	Execution & Control Phase			

General Government Cabinet/Agriculture

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AGR Inspection and Licensing Project Budgeted Amount - \$2,118,000 Initiated under prior 2020-2022 authorization Comments: Expenditure: \$1,040,035.04 % complete: 42.00%	Multi	2022-2024	Execution & Control Phase			
General Government Cabinet/Attorney General						
* Upgrade Technology Budgeted Amount - \$2,000,000 Comments: Expenditure: \$39,259.00 % complete: 18.00%	Multi	2020-2022	Planning Phase			
General Government Cabinet/KY Communications Network Authority						
* Next Generation Kentucky Information Highway Budgeted Amount - \$454,462,400 Comments: Expenditure: \$76,765,339.28 % complete: 96.00%	Multi	2014-2016	Execution & Control Phase			
General Government Cabinet/Registry of Election Finance						
* System Modernization Budgeted Amount - \$1,836,000	Multi	2016-2018	Execution & Control Phase			
General Government Cabinet/Secretary of State						
Enhanced Statewide Election Administration and Online Ballot Delivery System Budgeted Amount - \$1,500,000 Canceled - funds in process of being returned to feds	Multi	CPBOC-10/01/13	Other			
Health and Family Services Cabinet/Community Based Services						
The Workers Information System (TWIST) Case File Digitization Budgeted Amount - \$10,000,000 Comments: Expenditure: \$76,732.17 % complete: 39.00%	Multi	2022-2024	Execution & Control Phase			

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* The Workers Information System (TWIST) Modernization Budgeted Amount - \$18,993,000 Comments: Expenditure: \$691,277.36 % complete: 92.00%	Multi	2022-2024	Execution & Control Phase			
Health and Family Services Cabinet/Department for Income Support (CHFS)						
* Kentucky Child Support Enforcement System (KASES III) Budgeted Amount - \$33,000,000 Comments: Expenditure: \$8,636.00 % complete: 0.00%	Multi	2022-2024	Execution & Control Phase			
Health and Family Services Cabinet/General Administration						
KASPER Budgeted Amount - \$2,000,000 Comments: Expenditure: \$1,792,585.75 % complete: 99.00%	Multi	2020-2022	Execution & Control Phase			
Health and Family Services Cabinet/Public Health						
Budget, Accounting and Reporting System Budgeted Amount - \$4,220,000 Comments: Expenditure: \$422,864.89 % complete: 71.00%	Multi	2018-2020	Planning Phase			
Scan and Image Historical Records Budgeted Amount - \$5,750,000 Comments: Expenditure: \$2,805,635.01 % complete: 75.00%	Multi	2018-2020	Execution & Control Phase			
Vital Statistics Digitized System Budgeted Amount - \$2,700,000 Comments: Expenditure: \$1,352,213.79 % complete: 45.00%	Multi	2018-2020	Execution & Control Phase			
WIC Modernization Budgeted Amount - \$10,756,000 Comments: Expenditure: \$296,397.24 % complete: 17.00%	Multi	2020-2022	Initiation Phase			

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Justice and Public Safety Cabinet/Public Advocacy						
* Case Management System Budgeted Amount - \$1,650,000 Comments: Expenditure: \$0.0 % complete: 0.00%	Multi	2022-2024	Initiation Phase			
Justice and Public Safety Cabinet/State Police						
* Emergency Radio System Replacement, Phase II Budgeted Amount - \$52,450,000 Reported under Two-Way Radio System Replacement, Phase I and Phase II Comments: Expenditure: \$76,345,717.05 % complete: 67.00%	Multi	2020-2022	Execution & Control Phase			
* Emergency Radio System Replacement, Phase III Budgeted Amount - \$80,909,000	Multi	2022-2024	Execution & Control Phase			
* Two-Way Radio System Replacement, Phase I and Phase II Budgeted Amount - \$35,100,000 (2018-2020) and \$52,450,000 (2020-2021) for \$87,550,000 total Two-Way Radio System Replacement, Phase I and Emergency Radio System Replacement, Phase II combined under one account	Multi	2018-2020	Execution & Control Phase			
Postsecondary Education Cabinet/Council on Postsecondary Education						
* Upgrade Kentucky Regional Optical Network Infrastructure Enhancement Budgeted Amount - \$1,000,000	Multi	2022-2024	Initiation Phase			
Postsecondary Education Cabinet/KY Community and Technical College System						
Upgrade IT Infrastructure - Gateway CTC Budgeted Amount - \$1,500,000	Multi	2020-2022	Initiation Phase			
Tourism, Arts & Heritage Cabinet/KY Heritage Council						
* Records Digitization Budgeted Amount - \$1,000,000 Reallocation from Historical Society's Historical Society Digital Initiatives Comments: Expenditure: \$991,091.78 % complete: 96.00%	Multi	2020-2022	Execution & Control Phase			

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Tourism, Arts & Heritage Cabinet/KY Historical Society						
* Historical Society Digital Initiatives	Multi	2014-2016	Execution & Control Phase			
Budgeted Amount - reduced from \$3,500,000 to \$2,500,000						
Bond funded portion reallocated to Heritage Council's Records Digitization						
Transportation Cabinet/Gen Admin & Support (Transp)						
* AASHTOWare	Multi	2022-2024	Execution & Control Phase			
Budgeted Amount - \$2,000,000						
Initiated under prior 2020-2022 authorization						
Comments: Expenditure: \$1,651,414.90						
% complete: 36.00%						
Facilities Technology Modernization	Multi	CPBOC-4/01/21	Execution & Control Phase			
Budgeted Amount - \$1,450,000						
Comments: Expenditure: \$457,473.35						
% complete: 20.00%						
* Replace Automated Vehicle Information System (AVIS)	Multi	2008-2010	Execution & Control Phase			
Budgeted Amount - \$29,000,000						
KYTC used \$25 million in bond funds and will use \$4 million in restricted funds to complete the project, adding a centralized lien management system						
Comments: Expenditure: \$29,514,576.33						
% complete: 60.00%						
* Replace Kentucky Driver Licensing System	Multi	2012-2014	Initiation Phase			
Budgeted Amount - \$12,500,000						
Comments: Expenditure: \$900,870.48						
% complete: 6.00%						
* Transportation Enterprise Database II	Multi	2016-2018	Execution & Control Phase			
Budgeted Amount - \$3,000,000						
Comments: Expenditure: \$548,455.78						
% complete: 16.00%						
Transportation Cabinet/Vehicle Regulation						
* International Registration Plan System Upgrade	Multi	2016-2018	Execution & Control Phase			
Budgeted Amount - \$2,500,000						
Comments: Expenditure: \$0.0						
% complete: 0.00%						

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<u>Cabinet/Agency/Project Title</u>	<u>County</u>	<u>Initial Auth</u>	<u>Status</u>	<u>Constr % Compl</u>	<u>Contract Compl</u>	<u>Actual Subst</u>
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* indicates projects involving General Fund supported bonds or "state" cash (General Fund, Investment Income, Capital Construction Surplus, Contingency Fund, Emergency Fund, or Statewide Deferred Maintenance Fund).

April 11, 2023

Senator Rick Girdler, Co-Chair
Representative Deanna Frazier Gordon, Co-Chair

Capital Projects and Bond Oversight Committee
Legislative Research Commission
Capitol Annex Building – Room 34
702 Capitol Avenue
Frankfort, Kentucky 40601

Subject: Sundry Research Equipment

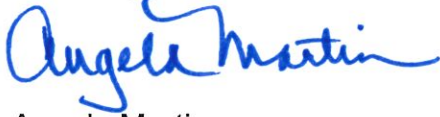
Dear Senator Girdler, Representative Frazier Gordon and Honorable Members of the Capital Projects and Bond Oversight Committee:

Pursuant to KRS §45.760(5), the University of Kentucky hereby reports the purchase of the following items of research equipment in excess of \$200,000. Money specifically budgeted and appropriated by the General Assembly for another purpose or program is not being used to acquire this item.

- A Quattro S environmental scanning electron microscope (eSEM) has been purchased from ThermoFisher Scientific for use by UK's EduceLab. The Quattro eSEM includes a system that measures elemental composition of a sample providing insight into the material phases that exist within the specimen, allowing for the determination of material type, origin, and degradation mechanisms. The eSEM also allows for a relatively high chamber pressure which is very beneficial for the study of extremely fragile heritage science samples. The total cost of the research equipment was \$575,602.00 and was purchased with federal funds from a National Science Foundation grant. The item will be located at the William S. Webb Museum of Anthropology in Lexington.
- A custom cold spray additive manufacturing upgrade for a VRC high pressure cold spray system has been purchased from VRC Metals Inc. The VRC system is currently being used by UK's Institute for Sustainable Manufacturing in its NextGen material processing technologies project, a collaboration with the Army Research Lab. The VRC upgrade will enhance the current features of the VRC system by providing additional additive manufacturing capabilities and the ability to process components with complex geometries. The total cost of the research equipment was \$250,000.00 and was purchased with federal funds from an Army Research Office grant. The item will be located at the Center for Robotics and Manufacturing Systems building in Lexington.

Please advise if you have any questions or if you would like additional information.

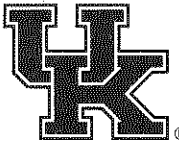
Sincerely,

A handwritten signature in blue ink that reads "Angela Martin". The signature is written in a cursive style with a large initial 'A'.

Angela Martin

Vice President for Financial Planning and Chief Budget Officer

cc: Elizabeth Baker
Kristen Cheser



University of Kentucky
Facilities Management

® Office of the Vice President

April 11, 2023

Senator Rick Girdler, Co-Chair,
Representative Deanna Frazier Gordon, Co-Chair
Capital Projects and Bond Oversight Committee
Legislative Research Commission
Capitol Annex Building – Room 34
702 Capitol Avenue
Frankfort, Kentucky 40601

Dear Senator Girdler and Representative Frazier Gordon and Members of the Capital Projects and Bond Oversight Committee:

Pursuant to KRS §45.760(6), the University of Kentucky (UK) is reporting the transfer of \$23,000,000 from Restricted Funds to Private Funds for the budgeted project, Renew/Modernize Facilities (Improve Memorial Coliseum) capital project.

This project will restore and improve Memorial Coliseum, which opened in 1950 and was built as a memorial to Kentuckians who died in World War II and the Korean conflict. This historic facility in the heart of campus serves students from across the campus by hosting important academic events such as guest speakers and seminars, step shows, the arts, and student-led philanthropic events like DanceBlue and Greek Sing. Memorial Coliseum is also home to the Center for Academic and Tutorial Services and hosts competitions for four women's athletics teams: basketball, gymnastics, volleyball, and STUNT. The restoration and improvements will include enhancements to the memorialization of Kentuckians who lost their lives in military service; climate control improvements; modern seating; and other enhancements to benefit students, student-athletes and the public attending community and athletic events in the facility. The project will also include many systems-related upgrades such as life safety, security, lighting, and sound.

This \$82,000,000 project, authorized by the 2022 Kentucky General Assembly, will be funded with \$53,000,000 Renewal/Modernization agency bond funds, \$6,000,000 Asset Preservation Pool funds (replacement of air handling units that have exceeded their useful life), and \$23,000,000 private funds and was approved for initiation by the University's Board of Trustees at its February 17, 2023 meeting.

Should you or members of the Committee have questions; the University will be pleased to respond at your next scheduled meeting.

Sincerely,

A handwritten signature in cursive script that reads "Mary Vosevich".

Mary Vosevich
Chief Facilities Officer, Vice President for Facilities

FCR 18

Office of the President
February 17, 2023

Members, Board of Trustees:

RENEW/MODERNIZE FACILITIES (IMPROVE MEMORIAL COLISEUM) CAPITAL PROJECT

Recommendation: that the Board of Trustees approve the initiation of the Renew/Modernize Facilities (Improve Memorial Coliseum) capital project and the use of agency bonds authorized by the 2022 General Assembly to fund a portion of the project. As well as declare its official intent to reimburse capital expenditures from a future debt obligation for the capital project.

Background: Pursuant to Administrative Regulation 8:2, any capital project with an estimated scope of \$1,000,000 or more must be approved by the Board prior to initiation.

In its February 2019 meeting, the Board of Trustees approved the design phase of the Improve Memorial Coliseum capital project. This project will initiate the construction phase.

This facility which opened in 1950, was built as a memorial to Kentuckians who died in World War II, and the Korean conflict. This historic facility in the heart of campus serves students from across the campus by hosting important academic events such as guest speakers and seminars, step shows, the arts, and student-led philanthropic events like DanceBlue and Greek Sing. Memorial Coliseum is also the home to the Center for Academic and Tutorial Services and competitions for four women's athletic teams: basketball, gymnastics, volleyball and STUNT. The restoration and improvements made to Memorial Coliseum will include enhancements to the memorialization of Kentuckians who lost their lives in military service, climate control improvements, modern seating and other enhancements to benefit students, student-athletes and the public attending community and athletic events in the facility. This project will include many systems-related upgrades such as life safety, security, lighting and sound. The renovation will encompass the entire building including offices and academic functions, as well as envelope and site upgrades.

At its June 2022 meeting, the Board of Trustees approved the initiation of the Renew/Modernize Capital Project, which included the Memorial Coliseum project, and the initiation of the Asset Preservation Pool Capital Project. Both these projects will be funded from future debt issuances.

This \$82,000,000 project to improve Memorial Coliseum, authorized by the Kentucky General Assembly, will be funded with Renew/Modernize Capital Project bond funds, Asset Preservation Pool Capital Project bond funds and private funds.

The United States Department of Treasury regulations related to the use of proceeds of tax-exempt bonds or notes require that borrowers make a Declaration of Official Intent to reimburse itself for capital expenditures made prior to the issuance of the debt (also known as a "Reimbursement Resolution") if the issuer intends to reimburse itself from tax-exempt debt proceeds. This recommendation includes such a Declaration of Official Intent.

Pursuant to the University of Kentucky Debt Policy, the Debt Management Committee has reviewed the financing plan and supports the proposed recommendation.

Action taken: Approved Disapproved Other _____



March 8, 2023

Capital Projects and Bond Oversight Committee
702 Capital Avenue, Room 34, Capitol Annex
Frankfort, KY 40601

RE: \$15,000,000 Owensboro Ind. School District Finance Corporation
School Building Revenue Bonds, Series of 2023

Please find enclosed a Bond Payee Disclosure Form and Plan of Financing related to the above-referenced series of Bonds. The Bonds will be used to finance athletic improvements.

We would like to go ahead and submit the plan to Bond Oversight so that we will be ready to proceed with the bond sale shortly. The Bonds will be funded with 100% General Funds.

Please process this bond disclosure form for review by the Bond Oversight Committee at the next meeting. Should you have any questions or require any additional information, please contact our office.

Sincerely,

A handwritten signature in blue ink that reads 'Dwight Salsbury'.

Dwight G. Salsbury

Enclosures

147 East Third Street
Lexington, KY
40508

859/977-6600

fax: 859/381-1357

www.rsamuni.com

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$15,000,000	
District:	OWENSBORO INDEPENDENT SCHOOL DISTRICT	
Issue Name:	School Building Revenue Bonds, Series 2023	
Purpose:	Athletic Improvements	
Projected Sale Date of Bonds:	Q3/Q4 2023	
First Call Date:	8 Years at par	
Method of Sale:	Competitive Bids	
Place/time of sale:	Parity /SFCC, Frankfort, Ky. / TBD	
Bond Rating:	Moody's: "A1"	
Bond Counsel:	Step toe and Johnson, Louisville, KY	
Fiscal Agent:	RSA Advisors LLC, Lexington, Kentucky	
Date received by SFCC:	/ /	<i>To be filled in by SFCC</i>
Date scheduled for Committee review:	/ /	<i>To be filled in by SFCC</i>

	SFCC Portion	Local Portion	Total
Estimated par amount of Bonds:	\$0	\$15,000,000	\$15,000,000
% Share of total Bonds:	0.00%	100.00%	100.00%
Estimated average annual debt service:	\$0	\$1,095,056	\$1,095,056
Estimated debt service reserve:	\$0	\$0	\$0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc)	\$0	\$73,000	\$73,000
Special Tax Counsel	\$0	\$0	\$0
Number verifications	\$0	\$0	\$0
Bond Rating & Bank Fee	\$0	\$33,850	\$33,850
Underwriter's Discount	\$0	\$300,000	\$300,000
Credit Enhancement	\$0	\$0	\$0
Total Cost of Issuance:	\$0	\$406,850	\$406,850

Anticipated Interest Rates:

5 Years: 3.200% 10 Years: 3.400% 15 Years: 4.080%
20 Years: 4.300%

Notes: No Tax Increase required

**OWENSBORO INDEPENDENT SCHOOL DISTRICT
PLAN OF FINANCING -- SERIES 2023**

Date of Report: 03.08.23

Local Bond Payments Outstanding	1
Summary of Funds for Bond Payments	2
Projected Series 2023.....	3
Disclosure.....	4



OWENSBORO INDEPENDENT SCHOOL DISTRICT

OUTSTANDING NET LOCAL DEBT SERVICE

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>Total</u>
FYE	Series 2015	Series 2016-R	Series 2017	Series 2019	Energy 2020	Series 2021	Series 2022	Debt Service
2023	\$231,826	\$1,797,136	\$241,796	\$558,870	\$186,312	\$568,312	\$118,103	\$3,702,356
2024	\$232,557	\$1,797,573	\$244,348	\$557,193	\$179,631	\$576,311	\$115,594	\$3,703,208
2025	\$238,170	\$1,793,579	\$241,846	\$560,294	\$182,692	\$569,013	\$114,744	\$3,700,338
2026	\$230,233	\$1,794,762	\$248,740	\$558,169	\$182,702	\$571,711	\$113,894	\$3,700,211
2027	\$227,358	\$1,795,520	\$249,959	\$560,820	\$183,829	\$569,211	\$113,044	\$3,699,740
2028	\$234,233	\$1,795,727	\$241,179	\$558,244	\$178,272	\$581,612	\$112,194	\$3,701,460
2029	\$225,926	\$1,794,476	\$252,259	\$555,519	\$156,167	\$603,613	\$116,131	\$3,704,091
2030	\$700,683		\$671,932	\$1,079,619	\$472,975	\$660,012	\$115,006	\$3,700,228
2031	\$707,770		\$665,260	\$1,095,018	\$457,615	\$660,111	\$113,656	\$3,699,431
2032	\$698,717		\$672,626	\$1,104,295	\$450,456	\$660,013	\$117,306	\$3,703,413
2033	\$688,812		\$683,728	\$1,107,594	\$441,143	\$664,713	\$115,881	\$3,701,870
2034	\$697,661		\$673,572	\$1,114,919	\$434,644	\$664,112	\$113,981	\$3,698,890
2035	\$723,611		\$647,691	\$1,121,195	\$420,759	\$673,312	\$117,081	\$3,703,649
2036	\$723,270		\$651,492	\$1,126,420	\$419,620	\$667,112	\$110,081	\$3,697,994
2037			\$776,770	\$1,184,769	\$490,698	\$1,135,813	\$113,181	\$3,701,231
2038			\$776,255	\$1,191,170	\$466,521	\$1,154,912	\$111,181	\$3,700,039
2039				\$1,196,369	\$453,536	\$828,211	\$119,181	\$2,597,297
2040				\$1,175,053	\$422,583	\$881,638	\$116,981	\$2,596,255
2041						\$2,478,575	\$114,781	\$2,593,356
2042							\$117,444	\$117,444
2043								
Totals:	\$6,560,826	\$12,568,773	\$7,939,454	\$16,405,529	\$6,180,156	\$15,168,316	\$2,299,447	\$67,122,501

OWENSBORO INDEPENDENT SCHOOL DISTRICT

SUMMARY OF FUNDS AVAILABLE

A	B	C	D	E	F	G	H	I	J	K
FYE	Local Nickel	Growth Nickel	Capital Outlay @ 80%	FSPK	Additional FSPK	Total Local Funds	Less Current Payments	Local Funds Available	SFCC Offer	Total Funds Available
2023	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,702,356)	\$1,207,992		\$1,207,992
2024	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,703,208)	\$1,207,139	\$27,930	\$1,235,069
2025	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,700,338)	\$1,210,009	\$27,930	\$1,237,939
2026	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,700,211)	\$1,210,136	\$27,930	\$1,238,066
2027	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,699,740)	\$1,210,607	\$27,930	\$1,238,537
2028	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,701,460)	\$1,208,887	\$27,930	\$1,236,817
2029	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,704,091)	\$1,206,257	\$27,930	\$1,234,187
2030	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,700,228)	\$1,210,120	\$27,930	\$1,238,050
2031	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,699,431)	\$1,210,916	\$27,930	\$1,238,846
2032	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,703,413)	\$1,206,934	\$27,930	\$1,234,864
2033	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,701,870)	\$1,208,477	\$27,930	\$1,236,407
2034	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,698,890)	\$1,211,458	\$27,930	\$1,239,388
2035	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,703,649)	\$1,206,698	\$27,930	\$1,234,628
2036	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,697,994)	\$1,212,354	\$27,930	\$1,240,284
2037	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,701,231)	\$1,209,117	\$27,930	\$1,237,047
2038	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$3,700,039)	\$1,210,309	\$27,930	\$1,238,239
2039	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$2,597,297)	\$2,313,050	\$27,930	\$2,340,980
2040	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$2,596,255)	\$2,314,092	\$27,930	\$2,342,022
2041	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$2,593,356)	\$2,316,991	\$27,930	\$2,344,921
2042	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347	(\$117,444)	\$4,792,904	\$27,930	\$4,820,834
2043	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347		\$4,910,347	\$27,930	\$4,938,277
2044	\$938,355	\$938,355	\$358,419	\$1,337,609	\$1,337,609	\$4,910,347		\$4,910,347	\$27,931	\$4,938,278

NOTES: Data based on KDE Seek Tentative Calculations (FY 22-23)

OWENSBORO INDEPENDENT SCHOOL DISTRICT

PROJECTED SERIES 2023

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>	
Current Payments	FY June 30	Principal Payment	Coupon	Interest Payments	Total Payments	General Fund Portion	Restricted Fund Portion	Projected All Local Payments Outstanding	Local Funds Available	Local Funds Available For Future Projects	
		----- Estimated New Bond Issue -----									
\$3,703,208	2023			\$280,498	\$280,498	\$280,498		\$3,703,208	\$4,910,347	\$1,207,139	
\$3,700,338	2024	\$530,000	3.400%	\$551,985	\$1,081,985	\$1,081,985		\$3,700,338	\$4,910,347	\$1,210,009	
\$3,700,211	2025	\$545,000	3.400%	\$533,710	\$1,078,710	\$1,078,710		\$3,700,211	\$4,910,347	\$1,210,136	
\$3,699,740	2026	\$565,000	3.250%	\$515,264	\$1,080,264	\$1,080,264		\$3,699,740	\$4,910,347	\$1,210,607	
\$3,701,460	2027	\$585,000	3.200%	\$496,723	\$1,081,723	\$1,081,723		\$3,701,460	\$4,910,347	\$1,208,887	
\$3,704,091	2028	\$605,000	3.200%	\$477,683	\$1,082,683	\$1,082,683		\$3,704,091	\$4,910,347	\$1,206,257	
\$3,700,228	2029	\$625,000	3.200%	\$458,003	\$1,083,003	\$1,083,003		\$3,700,228	\$4,910,347	\$1,210,120	
\$3,699,431	2030	\$645,000	3.250%	\$437,521	\$1,082,521	\$1,082,521		\$3,699,431	\$4,910,347	\$1,210,916	
\$3,703,413	2031	\$665,000	3.300%	\$416,068	\$1,081,068	\$1,081,068		\$3,703,413	\$4,910,347	\$1,206,934	
\$3,701,870	2032	\$685,000	3.350%	\$393,621	\$1,078,621	\$1,078,621		\$3,701,870	\$4,910,347	\$1,208,477	
\$3,698,890	2033	\$710,000	3.400%	\$370,078	\$1,080,078	\$1,080,078		\$3,698,890	\$4,910,347	\$1,211,458	
\$3,703,649	2034	\$735,000	3.500%	\$345,145	\$1,080,145	\$1,080,145		\$3,703,649	\$4,910,347	\$1,206,698	
\$3,697,994	2035	\$765,000	3.650%	\$318,321	\$1,083,321	\$1,083,321		\$3,697,994	\$4,910,347	\$1,212,354	
\$3,701,231	2036	\$790,000	3.850%	\$289,153	\$1,079,153	\$1,079,153		\$3,701,231	\$4,910,347	\$1,209,117	
\$3,700,039	2037	\$825,000	4.000%	\$257,445	\$1,082,445	\$1,082,445		\$3,700,039	\$4,910,347	\$1,210,309	
\$2,597,297	2039	\$855,000	4.080%	\$223,503	\$1,078,503	\$1,078,503		\$2,597,297	\$4,910,347	\$2,313,050	
\$2,596,255	2040	\$895,000	4.150%	\$187,490	\$1,082,490	\$1,082,490		\$2,596,255	\$4,910,347	\$2,314,092	
\$2,593,356	2041	\$930,000	4.190%	\$149,435	\$1,079,435	\$1,079,435		\$2,593,356	\$4,910,347	\$2,316,991	
\$117,444	2042	\$970,000	4.230%	\$109,436	\$1,079,436	\$1,079,436		\$117,444	\$4,910,347	\$4,792,904	
	2043	\$1,015,000	4.270%	\$67,250	\$1,082,250	\$1,082,250			\$4,910,347	\$4,910,347	
	2043	\$1,060,000	4.300%	\$22,790	\$1,082,790	\$1,082,790			\$4,910,347	\$4,910,347	
\$63,420,145	Totals:	\$15,000,000		\$6,901,119	\$21,901,119	\$21,901,119		\$63,420,145	\$103,117,296	\$39,697,151	

Municipal Advisor Disclosure of Conflicts of Interest and Other Information

RSA Advisors, LLC (“RSA Advisors”)

Introduction

RSA Advisors is a registered municipal advisory firm registered with the Securities and Exchange Commission (the “SEC”) and the Municipal Securities Rulemaking Board (the “MSRB”). In accordance with MSRB rules, this disclosure statement is provided by RSA Advisors to each client prior to the execution of its advisory agreement with written disclosures of any material conflicts of interest and legal or disciplinary events that are required to be disclosed with respect to providing financial advisory services pursuant to MSRB Rule G-42(b) and (c) (ii).

RSA Advisors employs a number of resources to identify and subsequently manage actual or potential conflicts of interest. These resources include the implementation of policies and procedures and a supervisory structure.

General Conflict of Interest Disclosures

Disciplinary History: As a registered municipal advisory firm registered with the “SEC” and the “MSRB”, our disciplinary events are required to be disclosed on our forms MA and MA-I filed with the SEC. To review the disclosures on these forms, you may access them electronically via the SEC's Electronic Data Gathering, Analysis, and Retrieval System (EDGAR) at: www.sec.gov

Compensation Based: The fees due under a Municipal Advisor Agreement may be based on the size of the transaction and the payment of such fees shall be contingent upon the closing of the transaction. While this form of compensation is usual and customary in the municipal securities market, this may present a conflict of interest. RSA believes that this conflict of interest will not impair our ability to render unbiased advice or to fulfill our fiduciary duty to the client.

Sponsorships and Donations: Upon request, RSA Advisors may provide sponsorships or donations to various municipal organizations (to which you may be a member), charitable organizations or client sponsored events. RSA Advisors limits the size of any such sponsorship or donation to a reasonable level taking into consideration various matters such as the purpose of the organization, other sponsorships or donations made to the organization and RSA Advisors' role and physical presence in the community and the state.

Other Municipal Advisory Relationship: RSA Advisors serves a wide variety of clients that may potentially have interests that could have a direct or indirect impact on the interests of the client. RSA Advisors could potentially face a conflict of interest arising from these competing client interests. None of these other relationships or engagements would impair RSA Advisors' ability to fulfill its regulatory duties to the client.

To our knowledge, following reasonable inquiry, we are not aware of any actual or potential conflicts of interest that could reasonably be anticipated to impair our ability to provide advice to or on behalf of the client in accordance with the applicable standards of conduct of MSRB Rule G-42. If RSA becomes aware of any potential or actual conflict of interest after this disclosure, we will disclose the detailed information in writing to the client in a timely manner including a plan for mitigation.



April 5, 2023

Capital Projects and Bond Oversight Committee
702 Capital Avenue, Room 34, Capitol Annex
Frankfort, KY 40601

RE: \$500,000 Green County School District Finance Corporation
School Building Revenue Bonds, Series of 2023B

Please find enclosed a Bond Payee Disclosure Form and Plan of Financing related to the above-referenced series of Bonds. The Bonds will be used to finance improvements to Local Area Vocational Center.

We would like to go ahead and submit the plan to Bond Oversight so that we will be ready to proceed with the bond sale shortly. The Bonds will be funded with 100% Local Funds.

Please process this bond disclosure form for review by the Bond Oversight Committee at the next meeting. Should you have any questions or require any additional information, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to be 'L Theinert', written over a horizontal line.

Lincoln Theinert

147 East Third Street
Lexington, KY
40508

859/977-6600

fax: 859/381-1357

www.rsamuni.com

Enclosures

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$500,000	
District	GREEN COUNTY SCHOOL DISTRICT	
Issue Name:	School Building Revenue Bonds, Series 2023B	
Purpose:	Improvements to Loca Area Vocational Center	
Projected Sale Date of Bonds:	Q2 2023	
First Call Date:	8 Years at par	
Method of Sale:	Competitive Bids	
Place/time of sale:	Parity /SFCC, Frankfort, Ky. / TBD	
Bond Rating:	Moody's: "A1"	
Bond Counsel:	Steptoe and Johnson, Louisville, KY	
Fiscal Agent:	RSA Advisors LLC, Lexington, Kentucky	
Date received by SFCC:	/ /	<i>To be filled in by SFCC</i>
Date scheduled for Committee review:	/ /	<i>To be filled in by SFCC</i>

	SFCC Portion	Local Portion	Total
Estimated par amount of Bonds:	\$0	\$500,000	\$500,000
% Share of total Bonds:	0.00%	100.00%	100.00%
Estimated average annual debt service:	\$0	\$36,868	\$36,868
Estimated debt service reserve:	\$0	\$0	\$0

Estimated Cost of Issuance:

	SFCC	Local	Total
Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc)	\$0	\$7,500	\$7,500
Special Tax Counsel	\$0	\$0	\$0
Number verifications	\$0	\$0	\$0
Bond Rating & Bank Fee	\$0	\$7,700	\$7,700
Underwriter's Discount	\$0	\$10,000	\$10,000
Credit Enhancement	\$0	\$0	\$0
Total Cost of Issuance:	\$0	\$25,200	\$25,200

Anticipated Interest Rates:

5 Years: 3.500% 10 Years: 3.700% 15 Years: 4.113%
20 Years: 4.260%

Notes: No Tax Increase required

**GREEN COUNTY SCHOOL DISTRICT
PLAN OF FINANCING -- SERIES 2023B**

Date of Report: 04.04.23

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GREEN COUNTY SCHOOL DISTRICT

OUTSTANDING NET LOCAL DEBT SERVICE

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>Total</u>
				100% GF		100% GF	100% GF	
FYE	Series 2015-REF	Series 2016-REF	Series 2016 Energy	Series 2017	Series 2021	Series 2022	Series 2023	Debt Service
2023	\$454,737	\$88,770			\$667,166			\$1,210,672
2024	\$459,191	\$82,320			\$670,015			\$1,211,526
2025	\$459,337	\$85,870			\$667,614			\$1,212,821
2026	\$456,928	\$89,320			\$665,015			\$1,211,263
2027	\$454,894	\$87,719			\$667,165			\$1,209,777
2028	\$451,053	\$86,117			\$876,914			\$1,414,084
2029		\$500,319			\$913,864			\$1,414,183
2030		\$503,512			\$910,114			\$1,413,627
2031					\$1,415,914			\$1,415,914
2032					\$1,416,114			\$1,416,114
2033					\$1,420,663			\$1,420,663
2034					\$1,419,564			\$1,419,564
2035					\$1,427,764			\$1,427,764
2036					\$1,425,264			\$1,425,264
2037					\$1,430,954			\$1,430,954
2038					\$1,428,870			\$1,428,870
2039					\$1,429,833			\$1,429,833
2040					\$1,429,897			\$1,429,897
2041					\$1,434,001			\$1,434,001
2042					\$1,452,052			\$1,452,052
2043								
Totals:	\$2,736,140	\$1,523,947			\$23,168,757			\$27,428,845

GREEN COUNTY SCHOOL DISTRICT

SUMMARY OF FUNDS AVAILABLE

A	B	C	D	E	F	G	H	I	K	L
FYE	Local Nickel	Growth Nickel	Capital Outlay @ 80%	FSPK	Additional FSPK	Total Local Funds	Less Current Payments	Local Funds Available	2020 SFCC Offer	Total Funds Available
2023	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,210,672)	\$452,005		\$452,005
2024	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,211,526)	\$451,152	\$9,767	\$460,919
2025	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,212,821)	\$449,856	\$9,767	\$459,623
2026	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,211,263)	\$451,415	\$9,767	\$461,182
2027	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,209,777)	\$452,900	\$9,767	\$462,667
2028	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,414,084)	\$248,593	\$9,767	\$258,360
2029	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,414,183)	\$248,494	\$9,767	\$258,261
2030	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,413,627)	\$249,051	\$9,767	\$258,818
2031	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,415,914)	\$246,763	\$9,767	\$256,530
2032	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,416,114)	\$246,563	\$9,767	\$256,330
2033	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,420,663)	\$242,014	\$9,767	\$251,781
2034	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,419,564)	\$243,113	\$9,767	\$252,880
2035	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,427,764)	\$234,913	\$9,767	\$244,680
2036	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,425,264)	\$237,414	\$9,767	\$247,181
2037	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,430,954)	\$231,724	\$9,767	\$241,491
2038	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,428,870)	\$233,807	\$9,767	\$243,574
2039	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,429,833)	\$232,844	\$9,767	\$242,611
2040	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,429,897)	\$232,780	\$9,767	\$242,547
2041	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,434,001)	\$228,676	\$9,767	\$238,443
2042	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677	(\$1,452,052)	\$210,626	\$9,767	\$220,393
2043	\$285,797	\$285,797	\$121,363	\$484,860	\$484,860	\$1,662,677		\$1,662,677	\$9,767	\$1,672,444

NOTES: Data based on KDE Seek Tentative Calculations (FY 22-23)

GREEN COUNTY SCHOOL DISTRICT

PROJECTED SERIES 2023B

A	B	C	D	E	F	G	H	I	J	K
Current Payments	----- Estimated New Bond Issue -----							Projected All Local Payments Outstanding	Local Funds Available	Local Funds Available For Future Projects
	FY June 30	Principal Payment	Coupon	Interest Payments	Total Payments	SFCC Portion	Local Portion			
\$1,210,672	2023							\$1,210,672	\$1,662,677	\$452,005
\$1,211,526	2024	\$15,000	3.300%	\$19,486	\$34,486		\$34,486	\$1,246,011	\$1,662,677	\$416,666
\$1,212,821	2025	\$20,000	3.300%	\$18,991	\$38,991		\$38,991	\$1,251,812	\$1,662,677	\$410,865
\$1,211,263	2026	\$20,000	3.500%	\$18,331	\$38,331		\$38,331	\$1,249,593	\$1,662,677	\$413,084
\$1,209,777	2027	\$20,000	3.500%	\$17,631	\$37,631		\$37,631	\$1,247,408	\$1,662,677	\$415,269
\$1,414,084	2028	\$20,000	3.500%	\$16,931	\$36,931		\$36,931	\$1,451,015	\$1,662,677	\$211,662
\$1,414,183	2029	\$20,000	3.500%	\$16,231	\$36,231		\$36,231	\$1,450,414	\$1,662,677	\$212,263
\$1,413,627	2030	\$20,000	3.500%	\$15,531	\$35,531		\$35,531	\$1,449,158	\$1,662,677	\$213,520
\$1,415,914	2031	\$20,000	3.700%	\$14,831	\$34,831		\$34,831	\$1,450,745	\$1,662,677	\$211,933
\$1,416,114	2032	\$25,000	3.700%	\$14,091	\$39,091		\$39,091	\$1,455,205	\$1,662,677	\$207,472
\$1,420,663	2033	\$25,000	3.700%	\$13,166	\$38,166		\$38,166	\$1,458,829	\$1,662,677	\$203,848
\$1,419,564	2034	\$25,000	3.900%	\$12,241	\$37,241		\$37,241	\$1,456,805	\$1,662,677	\$205,872
\$1,427,764	2035	\$25,000	3.900%	\$11,266	\$36,266		\$36,266	\$1,464,030	\$1,662,677	\$198,648
\$1,425,264	2036	\$25,000	4.113%	\$10,291	\$35,291		\$35,291	\$1,460,555	\$1,662,677	\$202,123
\$1,430,954	2037	\$30,000	4.113%	\$9,263	\$39,263		\$39,263	\$1,470,216	\$1,662,677	\$192,461
\$1,428,870	2038	\$30,000	4.113%	\$8,029	\$38,029		\$38,029	\$1,466,899	\$1,662,677	\$195,778
\$1,429,833	2039	\$30,000	4.229%	\$6,795	\$36,795		\$36,795	\$1,466,628	\$1,662,677	\$196,050
\$1,429,897	2040	\$30,000	4.229%	\$5,526	\$35,526		\$35,526	\$1,465,423	\$1,662,677	\$197,254
\$1,434,001	2041	\$30,000	4.256%	\$4,257	\$34,257		\$34,257	\$1,468,259	\$1,662,677	\$194,419
\$1,452,052	2042	\$35,000	4.256%	\$2,981	\$37,981		\$37,981	\$1,490,032	\$1,662,677	\$172,645
	2043	\$35,000	4.260%	\$1,491	\$36,491		\$36,491	\$36,491	\$1,662,677	\$1,626,186
\$27,428,845	Totals:	\$500,000		\$237,357	\$737,357		\$737,357	\$28,166,202	\$34,916,226	\$6,750,024

Municipal Advisor Disclosure of Conflicts of Interest and Other Information

RSA Advisors, LLC (“RSA Advisors”)

Introduction

RSA Advisors is a registered municipal advisory firm registered with the Securities and Exchange Commission (the “SEC”) and the Municipal Securities Rulemaking Board (the “MSRB”). In accordance with MSRB rules, this disclosure statement is provided by RSA Advisors to each client prior to the execution of its advisory agreement with written disclosures of any material conflicts of interest and legal or disciplinary events that are required to be disclosed with respect to providing financial advisory services pursuant to MSRB Rule G-42(b) and (c) (ii).

RSA Advisors employs a number of resources to identify and subsequently manage actual or potential conflicts of interest. These resources include the implementation of policies and procedures and a supervisory structure.

General Conflict of Interest Disclosures

Disciplinary History: As a registered municipal advisory firm registered with the “SEC” and the “MSRB”, our disciplinary events are required to be disclosed on our forms MA and MA-I filed with the SEC. To review the disclosures on these forms, you may access them electronically via the SEC's Electronic Data Gathering, Analysis, and Retrieval System (EDGAR) at: www.sec.gov

Compensation Based: The fees due under a Municipal Advisor Agreement may be based on the size of the transaction and the payment of such fees shall be contingent upon the closing of the transaction. While this form of compensation is usual and customary in the municipal securities market, this may present a conflict of interest. RSA believes that this conflict of interest will not impair our ability to render unbiased advice or to fulfill our fiduciary duty to the client.

Sponsorships and Donations: Upon request, RSA Advisors may provide sponsorships or donations to various municipal organizations (to which you may be a member), charitable organizations or client sponsored events. RSA Advisors limits the size of any such sponsorship or donation to a reasonable level taking into consideration various matters such as the purpose of the organization, other sponsorships or donations made to the organization and RSA Advisors' role and physical presence in the community and the state.

Other Municipal Advisory Relationship: RSA Advisors serves a wide variety of clients that may potentially have interests that could have a direct or indirect impact on the interests of the client. RSA Advisors could potentially face a conflict of interest arising from these competing client interests. None of these other relationships or engagements would impair RSA Advisors' ability to fulfill its regulatory duties to the client.

To our knowledge, following reasonable inquiry, we are not aware of any actual or potential conflicts of interest that could reasonably be anticipated to impair our ability to provide advice to or on behalf of the client in accordance with the applicable standards of conduct of MSRB Rule G-42. If RSA becomes aware of any potential or actual conflict of interest after this disclosure, we will disclose the detailed information in writing to the client in a timely manner including a plan for mitigation.



March 29, 2023

Ms. Katherine Halloran
700 Capital Avenue
Frankfort, Kentucky 40601

Re: Reporting of Bond Issuance Costs to the Capital Projects and Bond Oversight
Committee ("Bond Oversight Committee")

Dear Ms. Halloran:

Enclosed please find a Bond Payee Disclosure form for the following bond issue:

\$17,785,000 (est.)
Marion County
School District Finance Corporation
School Building Revenue Bonds,
Series of 2023

Please be advised that the enclosed costs are estimated. Actual costs will not be known until the bonds are sold. Please be advised that no tax increases are necessary to support this financing.

We hereby request that the above bond issue be considered by the Bond Oversight Committee at its next meeting.

If you need any additional information, please do not hesitate to call me at 502.588.8695.

Sincerely,

/s/ Maria Long

Maria Long
Public Finance

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School Building Revenue Bonds, Series 2023

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SOURCES AND USES OF FUNDS

Marion County Schools
 School Building Revenue Bonds, Series 2023

Dated Date 05/16/2023
 Delivery Date 05/16/2023

Sources:

Bond Proceeds:	
Par Amount	17,785,000.00
Other Sources of Funds:	
Capital Outlay Cash	1,215,904.00
Building Fund Cash	2,481,582.00
	<u>3,697,486.00</u>
	<u>21,482,486.00</u>

Uses:

Project Fund Deposits:	
Total Construction Cost	18,651,950.00
Construction Contingency	932,597.50
Architect/Engineer Fee	941,923.48
Equipment/Furnishings	100,000.00
Equipment/Computers	100,000.00
Technology Network System (KETS)	50,000.00
Site Survey	38,595.75
Geotechnical Investigations	17,193.00
Special Inspections	75,000.00
Commissioning	65,000.00
Plan Review	7,500.00
Miscellaneous	25,000.00
	<u>21,004,759.73</u>
Cost of Issuance:	
Fiscal Agent/Bond Counsel	84,140.00
Moody's Bond Rating Fee	33,000.00
Paying Agent Fee	4,500.00
	<u>121,640.00</u>
Underwriter's Discount:	
Underwriter's Discount	355,700.00
Other Uses of Funds:	
Additional Proceeds	386.27
	<u>21,482,486.00</u>

BOND DEBT SERVICE

Marion County Schools
District

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
10/01/2023			248,482.13	248,482.13	
04/01/2024	100,000	2.810%	331,309.50	431,309.50	
06/30/2024					679,791.63
10/01/2024			329,904.50	329,904.50	
04/01/2025	100,000	2.800%	329,904.50	429,904.50	
06/30/2025					759,809.00
10/01/2025			328,504.50	328,504.50	
04/01/2026	100,000	2.720%	328,504.50	428,504.50	
06/30/2026					757,009.00
10/01/2026			327,144.50	327,144.50	
04/01/2027	100,000	2.790%	327,144.50	427,144.50	
06/30/2027					754,289.00
10/01/2027			325,749.50	325,749.50	
04/01/2028	100,000	2.850%	325,749.50	425,749.50	
06/30/2028					751,499.00
10/01/2028			324,324.50	324,324.50	
04/01/2029	100,000	2.930%	324,324.50	424,324.50	
06/30/2029					748,649.00
10/01/2029			322,859.50	322,859.50	
04/01/2030	100,000	2.970%	322,859.50	422,859.50	
06/30/2030					745,719.00
10/01/2030			321,374.50	321,374.50	
04/01/2031	905,000	3.020%	321,374.50	1,226,374.50	
06/30/2031					1,547,749.00
10/01/2031			307,709.00	307,709.00	
04/01/2032	935,000	3.070%	307,709.00	1,242,709.00	
06/30/2032					1,550,418.00
10/01/2032			293,356.75	293,356.75	
04/01/2033	960,000	3.090%	293,356.75	1,253,356.75	
06/30/2033					1,546,713.50
10/01/2033			278,524.75	278,524.75	
04/01/2034	990,000	3.170%	278,524.75	1,268,524.75	
06/30/2034					1,547,049.50
10/01/2034			262,833.25	262,833.25	
04/01/2035	1,020,000	3.300%	262,833.25	1,282,833.25	
06/30/2035					1,545,666.50
10/01/2035			246,003.25	246,003.25	
04/01/2036	1,115,000	3.470%	246,003.25	1,361,003.25	
06/30/2036					1,607,006.50
10/01/2036			226,658.00	226,658.00	
04/01/2037	1,155,000	3.700%	226,658.00	1,381,658.00	
06/30/2037					1,608,316.00
10/01/2037			205,290.50	205,290.50	
04/01/2038	1,195,000	3.800%	205,290.50	1,400,290.50	
06/30/2038					1,605,581.00
10/01/2038			182,585.50	182,585.50	
04/01/2039	1,240,000	3.900%	182,585.50	1,422,585.50	
06/30/2039					1,605,171.00
10/01/2039			158,405.50	158,405.50	
04/01/2040	1,290,000	4.050%	158,405.50	1,448,405.50	
06/30/2040					1,606,811.00
10/01/2040			132,283.00	132,283.00	
04/01/2041	1,860,000	4.150%	132,283.00	1,992,283.00	
06/30/2041					2,124,566.00
10/01/2041			93,688.00	93,688.00	
04/01/2042	1,940,000	4.200%	93,688.00	2,033,688.00	
06/30/2042					2,127,376.00
10/01/2042			52,948.00	52,948.00	
04/01/2043	2,480,000	4.270%	52,948.00	2,532,948.00	
06/30/2043					2,585,896.00
	17,785,000		10,020,085.63	27,805,085.63	27,805,085.63

BOND DEBT SERVICE

Marion County Schools
District

Period Ending	Principal	Coupon	Interest	Debt Service
06/30/2024	100,000	2.810%	579,791.63	679,791.63
06/30/2025	100,000	2.800%	659,809.00	759,809.00
06/30/2026	100,000	2.720%	657,009.00	757,009.00
06/30/2027	100,000	2.790%	654,289.00	754,289.00
06/30/2028	100,000	2.850%	651,499.00	751,499.00
06/30/2029	100,000	2.930%	648,649.00	748,649.00
06/30/2030	100,000	2.970%	645,719.00	745,719.00
06/30/2031	905,000	3.020%	642,749.00	1,547,749.00
06/30/2032	935,000	3.070%	615,418.00	1,550,418.00
06/30/2033	960,000	3.090%	586,713.50	1,546,713.50
06/30/2034	990,000	3.170%	557,049.50	1,547,049.50
06/30/2035	1,020,000	3.300%	525,666.50	1,545,666.50
06/30/2036	1,115,000	3.470%	492,006.50	1,607,006.50
06/30/2037	1,155,000	3.700%	453,316.00	1,608,316.00
06/30/2038	1,195,000	3.800%	410,581.00	1,605,581.00
06/30/2039	1,240,000	3.900%	365,171.00	1,605,171.00
06/30/2040	1,290,000	4.050%	316,811.00	1,606,811.00
06/30/2041	1,860,000	4.150%	264,566.00	2,124,566.00
06/30/2042	1,940,000	4.200%	187,376.00	2,127,376.00
06/30/2043	2,480,000	4.270%	105,896.00	2,585,896.00
	17,785,000		10,020,085.63	27,805,085.63

BOND SUMMARY STATISTICS

Marion County Schools
School Building Revenue Bonds, Series 2023

Dated Date	05/16/2023
Delivery Date	05/16/2023
Last Maturity	04/01/2043
Arbitrage Yield	3.838026%
True Interest Cost (TIC)	4.023222%
Net Interest Cost (NIC)	4.002048%
All-In TIC	4.087691%
Average Coupon	3.864851%
Average Life (years)	14.578
Weighted Average Maturity (years)	14.578
Duration of Issue (years)	11.094
Par Amount	17,785,000.00
Bond Proceeds	17,785,000.00
Total Interest	10,020,085.63
Net Interest	10,375,785.63
Total Debt Service	27,805,085.63
Maximum Annual Debt Service	2,585,896.00
Average Annual Debt Service	1,398,998.02
Underwriter's Fees (per \$1000)	
Average Takedown	
Other Fee	20.000000
Total Underwriter's Discount	20.000000
Bid Price	98.000000

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	17,785,000.00	100.000	3.86485118%	14.578	19,208.15
	17,785,000.00			14.578	19,208.15

	TIC	All-In TIC	Arbitrage Yield
Par Value	17,785,000.00	17,785,000.00	17,785,000.00
+ Accrued Interest			
+ Premium (Discount)			
- Underwriter's Discount	-355,700.00	-355,700.00	
- Cost of Issuance Expense		-121,640.00	
- Other Amounts			
Target Value	17,429,300.00	17,307,660.00	17,785,000.00
Target Date	05/16/2023	05/16/2023	05/16/2023
Yield	4.023222%	4.087691%	3.838026%

BOND PRICING

Marion County Schools
School Building Revenue Bonds, Series 2023

Bond Component	Maturity Date	Amount	Rate	Yield	Price
Bond Component:					
	04/01/2024	100,000	2.810%	2.810%	100.000
	04/01/2025	100,000	2.800%	2.800%	100.000
	04/01/2026	100,000	2.720%	2.720%	100.000
	04/01/2027	100,000	2.790%	2.790%	100.000
	04/01/2028	100,000	2.850%	2.850%	100.000
	04/01/2029	100,000	2.930%	2.930%	100.000
	04/01/2030	100,000	2.970%	2.970%	100.000
	04/01/2031	905,000	3.020%	3.020%	100.000
	04/01/2032	935,000	3.070%	3.070%	100.000
	04/01/2033	960,000	3.090%	3.090%	100.000
	04/01/2034	990,000	3.170%	3.170%	100.000
	04/01/2035	1,020,000	3.300%	3.300%	100.000
	04/01/2036	1,115,000	3.470%	3.470%	100.000
	04/01/2037	1,155,000	3.700%	3.700%	100.000
	04/01/2038	1,195,000	3.800%	3.800%	100.000
	04/01/2039	1,240,000	3.900%	3.900%	100.000
	04/01/2040	1,290,000	4.050%	4.050%	100.000
	04/01/2041	1,860,000	4.150%	4.150%	100.000
	04/01/2042	1,940,000	4.200%	4.200%	100.000
	04/01/2043	2,480,000	4.270%	4.270%	100.000
		17,785,000			

Dated Date	05/16/2023	
Delivery Date	05/16/2023	
First Coupon	10/01/2023	
Par Amount	17,785,000.00	
Original Issue Discount		
Production	17,785,000.00	100.000000%
Underwriter's Discount	-355,700.00	-2.000000%
Purchase Price	17,429,300.00	98.000000%
Accrued Interest		
Net Proceeds	17,429,300.00	

AGGREGATE DEBT SERVICE

Marion County Schools
District

Period Ending	District	Existing Debt Service	Aggregate Debt Service
06/30/2024	679,791.63	1,903,964.50	2,583,756.13
06/30/2025	759,809.00	1,903,734.70	2,663,543.70
06/30/2026	757,009.00	1,900,714.10	2,657,723.10
06/30/2027	754,289.00	1,860,008.68	2,614,297.68
06/30/2028	751,499.00	1,860,630.44	2,612,129.44
06/30/2029	748,649.00	1,857,094.93	2,605,743.93
06/30/2030	745,719.00	1,856,066.11	2,601,785.11
06/30/2031	1,547,749.00	1,040,851.22	2,588,600.22
06/30/2032	1,550,418.00	1,038,731.00	2,589,149.00
06/30/2033	1,546,713.50	1,041,430.60	2,588,144.10
06/30/2034	1,547,049.50	1,042,084.10	2,589,133.60
06/30/2035	1,545,666.50	1,039,886.52	2,585,553.02
06/30/2036	1,607,006.50	982,345.84	2,589,352.34
06/30/2037	1,608,316.00	980,238.38	2,588,554.38
06/30/2038	1,605,581.00	980,519.10	2,586,100.10
06/30/2039	1,605,171.00	979,073.94	2,584,244.94
06/30/2040	1,606,811.00	981,790.02	2,588,601.02
06/30/2041	2,124,566.00	461,321.06	2,585,887.06
06/30/2042	2,127,376.00	460,271.12	2,587,647.12
06/30/2043	2,585,896.00		2,585,896.00
	27,805,085.63	24,170,756.36	51,975,841.99

BOND SOLUTION

Marion County Schools
District

Period Ending	Proposed Principal	Proposed Debt Service	Existing Debt Service	Total Adj Debt Service	Revenue Constraints	Unused Revenues	Debt Service Coverage
06/30/2023							
06/30/2024	100,000	679,792	1,903,965	2,583,756	3,249,217	665,461	125.76%
06/30/2025	100,000	759,809	1,903,735	2,663,544	3,249,217	585,673	121.99%
06/30/2026	100,000	757,009	1,900,714	2,657,723	3,249,217	591,494	122.26%
06/30/2027	100,000	754,289	1,860,009	2,614,298	3,249,217	634,919	124.29%
06/30/2028	100,000	751,499	1,860,630	2,612,129	3,249,217	637,088	124.39%
06/30/2029	100,000	748,649	1,857,095	2,605,744	3,249,217	643,473	124.69%
06/30/2030	100,000	745,719	1,856,066	2,601,785	3,249,217	647,432	124.88%
06/30/2031	905,000	1,547,749	1,040,851	2,588,600	3,249,217	660,617	125.52%
06/30/2032	935,000	1,550,418	1,038,731	2,589,149	3,249,217	660,068	125.49%
06/30/2033	960,000	1,546,714	1,041,431	2,588,144	3,249,217	661,073	125.54%
06/30/2034	990,000	1,547,050	1,042,084	2,589,134	3,249,217	660,084	125.49%
06/30/2035	1,020,000	1,545,667	1,039,887	2,585,553	3,249,217	663,664	125.67%
06/30/2036	1,115,000	1,607,007	982,346	2,589,352	3,249,217	659,865	125.48%
06/30/2037	1,155,000	1,608,316	980,238	2,588,554	3,249,217	660,663	125.52%
06/30/2038	1,195,000	1,605,581	980,519	2,586,100	3,249,217	663,117	125.64%
06/30/2039	1,240,000	1,605,171	979,074	2,584,245	3,249,217	664,972	125.73%
06/30/2040	1,290,000	1,606,811	981,790	2,588,601	3,249,217	660,616	125.52%
06/30/2041	1,860,000	2,124,566	461,321	2,585,887	3,249,217	663,330	125.65%
06/30/2042	1,940,000	2,127,376	460,271	2,587,647	3,249,217	661,570	125.57%
06/30/2043	2,480,000	2,585,896		2,585,896	3,249,217	663,321	125.65%
	17,785,000	27,805,086	24,170,756	51,975,842	64,984,342	13,008,500	



March 15, 2023

Capital Projects and Bond Oversight Committee
702 Capital Avenue, Room 34, Capitol Annex
Frankfort, KY 40601

RE: \$20,415,000 Pulaski County School District Finance Corporation
School Building Revenue Bonds, Series of 2023

Please find enclosed a Bond Payee Disclosure Form and Plan of Financing related to the above-referenced series of Bonds. The Bonds will be used to finance renovations to Northern Middle School.

We would like to go ahead and submit the plan to Bond Oversight so that we will be ready to proceed with the bond sale shortly. The Bonds will be funded with 100% Local Funds.

Please process this bond disclosure form for review by the Bond Oversight Committee at the next meeting. Should you have any questions or require any additional information, please contact our office.

Sincerely,

A handwritten signature in blue ink that reads 'Dwight Salsbury'.

Dwight G. Salsbury

Enclosures

147 East Third Street
Lexington, KY
40508

859/977-6600

fax: 859/381-1357

www.rsamuni.com

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$20,415,000	
District	PULASKI COUNTY SCHOOL DISTRICT	
Issue Name:	School Building Revenue Bonds, Series 2023	
Purpose:	Renovations to Northern Middle School	
Projected Sale Date of Bonds:	Q4 2023	
First Call Date:	8 Years at par	
Method of Sale:	Competitive Bids	
Place/time of sale:	Parity /SFCC, Frankfort, Ky. / TBD	
Bond Rating:	Moody's: "A1"	
Bond Counsel:	Steptoe and Johnson, Louisville, KY	
Fiscal Agent:	RSA Advisors LLC, Lexington, Kentucky	
Date received by SFCC:	/ /	<i>To be filled in by SFCC</i>
Date scheduled for Committee review:	/ /	<i>To be filled in by SFCC</i>

Estimated par amount of Bonds:

% Share of total Bonds:

Estimated average annual debt service:

Estimated debt service reserve:

SFCC Portion	Local Portion	Total
\$0	\$20,415,000	\$20,415,000
0.00%	100.00%	100.00%
\$0	\$1,634,882	\$1,634,882
\$0	\$0	\$0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc)

Special Tax Counsel

Number verifications

Bond Rating & Bank Fee

Underwriter's Discount

Credit Enhancement

Total Cost of Issuance:

\$0	\$94,660	\$94,660
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$303,850	\$303,850
\$0	\$408,300	\$408,300
\$0	\$0	\$0
\$0	\$806,810	\$806,810

Anticipated Interest Rates:

5 Years: 3.250% 10 Years: 3.500% 15 Years: 4.125%

20 Years: 4.382%

Notes: No Tax Increase required

PULASKI COUNTY SCHOOL DISTRICT
PLAN OF FINANCING -- SERIES 2023

Date of Report: 03.15.23

Local Bond Payments Outstanding	1
Summary of Funds for Bond Payments	2
Projected Series 2023.....	3
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PULASKI COUNTY SCHOOL DISTRICT

OUTSTANDING NET LOCAL DEBT SERVICE

A	B	C	D	E (100% SFCC)	F	G	H	I	J	K	L	M	N	O	Total	
FYE	Series 2012-REF	Series 2012B-REF	Series 2014	Series 2015-Ref	Series 2016-Ref	Series 2017-REF	Series 2018	Series 2019	Series 2020-REF	Series 2021	Series 2021-REF	Series 2022A	Series 2022B	Series 2022 Energy	Series 2022B Energy	Debt Service
2023	\$228,900	\$286,679	\$232,998	\$813,430		\$2,435,786	\$166,263	\$71,030	\$335,803	\$109,835	\$153,273	\$45,489	\$471,290	\$380,644	\$129,181	\$5,860,598
2024	\$229,500	\$285,327	\$231,372	\$788,630		\$2,421,986	\$168,581	\$70,430	\$378,352	\$108,475	\$146,698	\$42,019	\$469,650	\$390,745	\$127,656	\$5,859,421
2025			\$189,423	\$988,118		\$2,793,037	\$165,819	\$69,830	\$360,016	\$107,115	\$155,198	\$46,118	\$468,850	\$389,426	\$130,706	\$5,863,655
2026			\$193,672	\$951,855		\$2,796,186	\$167,975	\$59,260	\$391,579	\$110,755	\$158,548	\$40,020	\$467,750	\$386,947	\$128,606	\$5,853,153
2027			\$192,773			\$3,757,086	\$135,538	\$58,720	\$417,239	\$109,310	\$156,823	\$43,919	\$471,350	\$388,293	\$131,506	\$5,862,556
2028			\$191,873			\$3,801,936	\$118,831	\$58,180	\$382,141	\$107,865	\$160,098	\$54,292	\$469,500	\$388,251	\$129,256	\$5,862,223
2029			\$190,860			\$3,817,285	\$122,288	\$57,640	\$357,180	\$111,420	\$168,178	\$51,993	\$467,350	\$391,810	\$132,006	\$5,868,009
2030			\$189,848				\$204,281	\$116,560	\$2,457,250	\$109,890	\$590,578	\$49,692	\$469,900	\$388,755	\$129,606	\$4,706,360
2031			\$188,835				\$204,813	\$114,625	\$2,455,338	\$108,360	\$594,478	\$47,393	\$472,000	\$389,269	\$132,006	\$4,707,117
2032			\$1,407,823				\$254,247	\$117,313		\$106,830	\$607,793	\$55,093	\$468,650	\$393,141	\$129,244	\$3,540,133
2033			\$2,039,073				\$252,581	\$114,938		\$110,300		\$42,593		\$390,153	\$131,481	\$3,081,118
2034			\$2,061,697				\$255,531	\$112,563		\$108,685		\$45,294		\$390,490	\$128,556	\$3,102,816
2035							\$258,006	\$115,125		\$107,070		\$47,593		\$393,934	\$129,956	\$1,051,684
2036							\$255,219	\$117,563		\$110,455		\$49,781		\$390,268	\$131,156	\$1,054,441
2037							\$252,113	\$114,938		\$108,755		\$49,954		\$394,675	\$127,156	\$1,047,590
2038							\$258,503	\$117,250		\$107,055		\$44,580		\$391,737	\$128,156	\$1,047,282
2039							\$254,531	\$119,438		\$110,355		\$47,032		\$396,634	\$128,956	\$1,056,946
2040								\$121,500		\$108,570		\$44,231		\$393,946	\$129,556	\$797,803
2041										\$106,785		\$46,278		\$393,852	\$129,956	\$676,872
2042												\$48,078		\$396,133	\$130,156	\$574,367
2043																
Totals:	\$458,400	\$572,006	\$7,310,246	\$3,542,033		\$21,823,302	\$3,495,119	\$1,726,900	\$7,534,898	\$2,067,885	\$2,891,660	\$941,442	\$4,696,290	\$7,819,102	\$2,594,862	\$67,474,143

PULASKI COUNTY SCHOOL DISTRICT

SUMMARY OF FUNDS AVAILABLE

A	B	C	D	E	F	G	H	I	J	K
FYE	Local Nickel	Growth Nickel	Capital Outlay @ 80%	FSPK	Additional FSPK	Total Local Funds	Less Current Payments	Local Funds Available	2020 SFCC Offer	Total Funds Available
2023	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,860,598)	\$2,520,589		\$2,520,589
2024	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,859,421)	\$2,521,766	\$17,910	\$2,539,676
2025	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,863,655)	\$2,517,533	\$71,638	\$2,589,171
2026	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,853,153)	\$2,528,034	\$71,638	\$2,599,672
2027	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,862,556)	\$2,518,632	\$71,638	\$2,590,270
2028	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,862,223)	\$2,518,965	\$71,638	\$2,590,603
2029	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$5,868,009)	\$2,513,179	\$71,638	\$2,584,817
2030	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$4,706,360)	\$3,674,828	\$71,638	\$3,746,466
2031	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$4,707,117)	\$3,674,071	\$71,638	\$3,745,709
2032	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$3,540,133)	\$4,841,055	\$71,638	\$4,912,693
2033	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$3,081,118)	\$5,300,069	\$71,638	\$5,371,707
2034	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$3,102,816)	\$5,278,372	\$71,638	\$5,350,010
2035	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$1,051,684)	\$7,329,503	\$71,638	\$7,401,141
2036	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$1,054,441)	\$7,326,747	\$71,638	\$7,398,385
2037	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$1,047,590)	\$7,333,598	\$71,638	\$7,405,236
2038	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$1,047,282)	\$7,333,906	\$71,638	\$7,405,544
2039	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$1,056,946)	\$7,324,242	\$71,638	\$7,395,880
2040	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$797,803)	\$7,583,385	\$71,638	\$7,655,023
2041	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$676,872)	\$7,704,316	\$71,638	\$7,775,954
2042	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405	\$1,731,405	\$8,381,188	(\$574,367)	\$7,806,820	\$71,638	\$7,878,458
2043	\$2,153,306	\$2,153,306	\$611,766	\$1,731,405		\$6,649,783		\$6,649,783	\$71,638	\$6,721,421
2044	\$2,153,307	\$2,153,307	\$611,766	\$1,731,406		\$6,649,786		\$6,649,786	\$53,729	\$6,703,514

NOTES: Data based on KDE Seek Tentative Calculations (FY 22-23)

PULASKI COUNTY SCHOOL DISTRICT

PROJECTED SERIES 2023

A	B	C	D	E	F	G	H	I	J	K
Current Payments	----- Estimated New Bond Issue -----					SFCC Portion	Local Portion	Projected All Local Payments Outstanding	Local Funds Available	Local Funds Available For Future Projects
	FY June 30	Principal Payment	Coupon	Interest Payments	Total Payments					
\$5,860,598	2023							\$5,860,598	\$8,381,188	\$2,520,589
\$5,859,421	2024			\$411,143	\$411,143		\$411,143	\$6,270,565	\$8,381,188	\$2,110,623
\$5,863,655	2025	\$50,000	3.250%	\$821,474	\$871,474		\$871,474	\$6,735,128	\$8,381,188	\$1,646,059
\$5,853,153	2026	\$50,000	3.250%	\$819,849	\$869,849		\$869,849	\$6,723,002	\$8,381,188	\$1,658,185
\$5,862,556	2027	\$50,000	3.250%	\$818,224	\$868,224		\$868,224	\$6,730,780	\$8,381,188	\$1,650,408
\$5,862,223	2028	\$50,000	3.250%	\$816,599	\$866,599		\$866,599	\$6,728,821	\$8,381,188	\$1,652,366
\$5,868,009	2029	\$50,000	3.250%	\$814,974	\$864,974		\$864,974	\$6,732,983	\$8,381,188	\$1,648,205
\$4,706,360	2030	\$265,000	3.500%	\$809,524	\$1,074,524		\$1,074,524	\$5,780,884	\$8,381,188	\$2,600,304
\$4,707,117	2031	\$270,000	3.500%	\$800,161	\$1,070,161		\$1,070,161	\$5,777,278	\$8,381,188	\$2,603,909
\$3,540,133	2032	\$630,000	3.500%	\$784,411	\$1,414,411		\$1,414,411	\$4,954,544	\$8,381,188	\$3,426,644
\$3,081,118	2033	\$785,000	3.500%	\$759,649	\$1,544,649		\$1,544,649	\$4,625,767	\$8,381,188	\$3,755,421
\$3,102,816	2034	\$810,000	3.500%	\$731,736	\$1,541,736		\$1,541,736	\$4,644,552	\$8,381,188	\$3,736,635
\$1,051,684	2035	\$1,445,000	3.750%	\$690,468	\$2,135,468		\$2,135,468	\$3,187,152	\$8,381,188	\$5,194,036
\$1,054,441	2036	\$1,500,000	3.750%	\$635,249	\$2,135,249		\$2,135,249	\$3,189,690	\$8,381,188	\$5,191,498
\$1,047,590	2037	\$1,565,000	4.000%	\$575,824	\$2,140,824		\$2,140,824	\$3,188,413	\$8,381,188	\$5,192,774
\$1,047,282	2038	\$1,625,000	4.000%	\$512,024	\$2,137,024		\$2,137,024	\$3,184,306	\$8,381,188	\$5,196,882
\$1,056,946	2039	\$1,690,000	4.125%	\$444,668	\$2,134,668		\$2,134,668	\$3,191,613	\$8,381,188	\$5,189,574
\$797,803	2040	\$1,840,000	4.125%	\$371,861	\$2,211,861		\$2,211,861	\$3,009,664	\$8,381,188	\$5,371,523
\$676,872	2041	\$1,955,000	4.200%	\$292,856	\$2,247,856		\$2,247,856	\$2,924,728	\$8,381,188	\$5,456,460
\$574,367	2042	\$2,070,000	4.300%	\$207,296	\$2,277,296		\$2,277,296	\$2,851,664	\$8,381,188	\$5,529,524
	2043	\$1,815,000	4.382%	\$123,025	\$1,938,025		\$1,938,025	\$1,938,025	\$6,649,783	\$4,711,758
	2044	\$1,900,000	4.382%	\$41,629	\$1,941,629		\$1,941,629	\$1,941,629	\$6,649,786	\$4,708,157
\$67,474,143	Totals:	\$20,415,000		\$12,282,643	\$32,697,643		\$32,697,643	\$100,171,786	\$180,923,320	\$80,751,534

Municipal Advisor Disclosure of Conflicts of Interest and Other Information

RSA Advisors, LLC (“RSA Advisors”)

Introduction

RSA Advisors is a registered municipal advisory firm registered with the Securities and Exchange Commission (the “SEC”) and the Municipal Securities Rulemaking Board (the “MSRB”). In accordance with MSRB rules, this disclosure statement is provided by RSA Advisors to each client prior to the execution of its advisory agreement with written disclosures of any material conflicts of interest and legal or disciplinary events that are required to be disclosed with respect to providing financial advisory services pursuant to MSRB Rule G-42(b) and (c) (ii).

RSA Advisors employs a number of resources to identify and subsequently manage actual or potential conflicts of interest. These resources include the implementation of policies and procedures and a supervisory structure.

General Conflict of Interest Disclosures

Disciplinary History: As a registered municipal advisory firm registered with the “SEC” and the “MSRB”, our disciplinary events are required to be disclosed on our forms MA and MA-I filed with the SEC. To review the disclosures on these forms, you may access them electronically via the SEC's Electronic Data Gathering, Analysis, and Retrieval System (EDGAR) at: www.sec.gov

Compensation Based: The fees due under a Municipal Advisor Agreement may be based on the size of the transaction and the payment of such fees shall be contingent upon the closing of the transaction. While this form of compensation is usual and customary in the municipal securities market, this may present a conflict of interest. RSA believes that this conflict of interest will not impair our ability to render unbiased advice or to fulfill our fiduciary duty to the client.

Sponsorships and Donations: Upon request, RSA Advisors may provide sponsorships or donations to various municipal organizations (to which you may be a member), charitable organizations or client sponsored events. RSA Advisors limits the size of any such sponsorship or donation to a reasonable level taking into consideration various matters such as the purpose of the organization, other sponsorships or donations made to the organization and RSA Advisors' role and physical presence in the community and the state.

Other Municipal Advisory Relationship: RSA Advisors serves a wide variety of clients that may potentially have interests that could have a direct or indirect impact on the interests of the client. RSA Advisors could potentially face a conflict of interest arising from these competing client interests. None of these other relationships or engagements would impair RSA Advisors' ability to fulfill its regulatory duties to the client.

To our knowledge, following reasonable inquiry, we are not aware of any actual or potential conflicts of interest that could reasonably be anticipated to impair our ability to provide advice to or on behalf of the client in accordance with the applicable standards of conduct of MSRB Rule G-42. If RSA becomes aware of any potential or actual conflict of interest after this disclosure, we will disclose the detailed information in writing to the client in a timely manner including a plan for mitigation.



March 13, 2023

Capital Projects and Bond Oversight Committee
702 Capital Avenue, Room 34, Capitol Annex
Frankfort, KY 40601

RE: \$2,000,000 Taylor County School District Finance Corporation
School Building Revenue Bonds, Series of 2023

Please find enclosed a Bond Payee Disclosure Form and Plan of Financing related to the above-referenced series of Bonds. The Bonds will be used to finance additions to the LAVEC Center.

We would like to go ahead and submit the plan to Bond Oversight so that we will be ready to proceed with the bond sale shortly. The Bonds will be funded with 100% Local Funds.

Please process this bond disclosure form for review by the Bond Oversight Committee at the next meeting. Should you have any questions or require any additional information, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'L Theinert', with a long horizontal flourish extending to the right.

Lincoln Theinert

Enclosures

147 East Third Street
Lexington, KY
40508

859/977-6600

fax: 859/381-1357

www.rsamuni.com

BOND PAYEE DISCLOSURE FORM

Par Amount:	\$2,000,000	
District	TAYLOR COUNTY SCHOOL DISTRICT	
Issue Name:	School Building Revenue Bonds, Series 2023	
Purpose:	LAVEC Center Addition	
Projected Sale Date of Bonds:	Q2 2023	
First Call Date:	8 Years at par	
Method of Sale:	Competitive Bids	
Place/time of sale:	Parity /SFCC, Frankfort, Ky. / TBD	
Bond Rating:	Moody's: "A1"	
Bond Counsel:	Steptoe and Johnson, Louisville, KY	
Fiscal Agent:	RSA Advisors LLC, Lexington, Kentucky	
Date received by SFCC:	/ /	<i>To be filled in by SFCC</i>
Date scheduled for Committee review:	/ /	<i>To be filled in by SFCC</i>

Estimated par amount of Bonds:

% Share of total Bonds:

Estimated average annual debt service:

Estimated debt service reserve:

SFCC Portion	Local Portion	Total
\$0	\$2,000,000	\$2,000,000
0.00%	100.00%	100.00%
\$15,994	\$152,543	\$168,537
\$0	\$0	\$0

Estimated Cost of Issuance:

Fiscal Agent, Bond Counsel, Advertisements, Printing, Etc)

Special Tax Counsel

Number verifications

Bond Rating & Bank Fee

Underwriter's Discount

Credit Enhancement

Total Cost of Issuance:

\$0	\$21,000	\$21,000
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$11,550	\$11,550
\$0	\$40,000	\$40,000
\$0	\$0	\$0
\$0	\$72,550	\$72,550

Anticipated Interest Rates:

5 Years: 3.200% 10 Years: 3.400% 15 Years: 4.080%

20 Years: 4.300%

Notes: No Tax Increase required

TAYLOR COUNTY SCHOOL DISTRICT
PLAN OF FINANCING -- SERIES 2023

Date of Report: 03.13.23

Local Bond Payments Outstanding 1

Summary of Funds for Bond Payments 2

Projected Series 2023..... 3

Disclosure..... 4



TAYLOR COUNTY SCHOOL DISTRICT

OUTSTANDING NET LOCAL DEBT SERVICE

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>Total</u>
					(100% GF)		
FYE	Series 2012-REF*	Series 2015	Series 2016	Series 2019 Energy	Series 2020	Series 2022	Debt Service
2023	\$186,660	\$1,809,104	\$88,734	\$54,579		\$315,411	\$2,454,487
2024	\$183,330	\$1,800,655	\$102,683	\$54,495		\$326,985	\$2,468,148
2025		\$1,800,552	\$284,633	\$54,240		\$326,611	\$2,466,037
2026		\$1,983,503	\$101,532	\$53,816		\$326,236	\$2,465,088
2027		\$1,968,954	\$115,083	\$53,220		\$325,860	\$2,463,117
2028		\$1,972,605	\$113,482	\$52,448		\$330,486	\$2,469,021
2029		\$1,973,854	\$111,882	\$51,502		\$329,923	\$2,467,161
2030		\$1,962,705	\$125,132	\$50,376		\$324,361	\$2,462,575
2031		\$1,964,455	\$122,995	\$54,073		\$323,985	\$2,465,508
2032		\$1,963,656	\$125,557	\$52,306		\$323,611	\$2,465,130
2033		\$1,961,623	\$123,058	\$55,162		\$323,236	\$2,463,078
2034		\$1,961,779	\$125,365	\$52,509		\$322,860	\$2,462,513
2035		\$1,960,056	\$127,407	\$49,444		\$322,487	\$2,459,394
2036			\$370,946	\$396,165		\$952,110	\$1,719,220
2037			\$366,693	\$398,920		\$953,111	\$1,718,724
2038				\$386,082		\$1,333,174	\$1,719,256
2039				\$382,337		\$1,338,048	\$1,720,384
2040						\$1,718,541	\$1,718,541
2041						\$1,716,848	\$1,716,848
2042						\$1,712,849	\$1,712,849
2043							
Totals:	\$369,990	\$25,083,500	\$2,405,183	\$2,251,675		\$13,946,732	\$44,057,079

TAYLOR COUNTY SCHOOL DISTRICT

SUMMARY OF FUNDS AVAILABLE

A	B	C	D	E	F	G	H	I	J	K
FYE	Local Nickel	Growth Nickel	Capital Outlay @ 80%	FSPK	Additional FSPK	Total Local Funds	Less Current Payments	Local Funds Available	2020 SFCC Offer	Total Funds Available
2023	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,454,487)	\$263,804		\$263,804
2024	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,468,148)	\$250,143	\$15,994	\$266,137
2025	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,466,037)	\$252,255	\$15,994	\$268,249
2026	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,465,088)	\$253,203	\$15,994	\$269,197
2027	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,463,117)	\$255,174	\$15,994	\$271,168
2028	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,469,021)	\$249,270	\$15,994	\$265,264
2029	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,467,161)	\$251,130	\$15,994	\$267,124
2030	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,462,575)	\$255,716	\$15,994	\$271,710
2031	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,465,508)	\$252,783	\$15,994	\$268,777
2032	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,465,130)	\$253,161	\$15,994	\$269,155
2033	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,463,078)	\$255,213	\$15,994	\$271,207
2034	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,462,513)	\$255,779	\$15,994	\$271,773
2035	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$2,459,394)	\$258,898	\$15,994	\$274,892
2036	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,719,220)	\$999,071	\$15,994	\$1,015,065
2037	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,718,724)	\$999,568	\$15,994	\$1,015,562
2038	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,719,256)	\$999,036	\$15,994	\$1,015,030
2039	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,720,384)	\$997,907	\$15,994	\$1,013,901
2040	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,718,541)	\$999,750	\$15,994	\$1,015,744
2041	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,716,848)	\$1,001,444	\$15,994	\$1,017,438
2042	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291	(\$1,712,849)	\$1,005,443	\$15,994	\$1,021,437
2043	\$618,522	\$618,522	\$198,415	\$641,416	\$641,416	\$2,718,291		\$2,718,291	\$15,994	\$2,734,285

NOTES: Data based on KDE Seek Final Calculations (FY 22-23)

TAYLOR COUNTY SCHOOL DISTRICT

PROJECTED SERIES 2023

A	B	C	D	E	F	G	H	I	J	K
Current Payments	----- Estimated New Bond Issue -----						Projected All Local Payments Outstanding	Local Funds Available	Local Funds Available For Future Projects	
	FY June 30	Principal Payment	Coupon	Interest Payments	Total Payments	SFCC Portion	Local Portion			
\$2,454,487	2023							\$2,454,487	\$2,718,291	\$263,804
\$2,468,148	2024	\$15,000	3.400%	\$82,081	\$97,081	\$15,994	\$81,087	\$2,549,235	\$2,718,291	\$169,056
\$2,466,037	2025	\$15,000	3.400%	\$81,571	\$96,571	\$15,994	\$80,577	\$2,546,614	\$2,718,291	\$171,678
\$2,465,088	2026	\$15,000	3.250%	\$81,061	\$96,061	\$15,994	\$80,067	\$2,545,155	\$2,718,291	\$173,136
\$2,463,117	2027	\$15,000	3.200%	\$80,574	\$95,574	\$15,994	\$79,580	\$2,542,697	\$2,718,291	\$175,595
\$2,469,021	2028	\$15,000	3.200%	\$80,094	\$95,094	\$15,994	\$79,100	\$2,548,121	\$2,718,291	\$170,171
\$2,467,161	2029	\$15,000	3.200%	\$79,614	\$94,614	\$15,994	\$78,620	\$2,545,781	\$2,718,291	\$172,511
\$2,462,575	2030	\$15,000	3.250%	\$79,134	\$94,134	\$15,994	\$78,140	\$2,540,715	\$2,718,291	\$177,577
\$2,465,508	2031	\$15,000	3.300%	\$78,646	\$93,646	\$15,994	\$77,652	\$2,543,160	\$2,718,291	\$175,131
\$2,465,130	2032	\$15,000	3.350%	\$78,151	\$93,151	\$15,994	\$77,157	\$2,542,287	\$2,718,291	\$176,004
\$2,463,078	2033	\$15,000	3.400%	\$77,649	\$92,649	\$15,994	\$76,655	\$2,539,733	\$2,718,291	\$178,559
\$2,462,513	2034	\$15,000	3.500%	\$77,139	\$92,139	\$15,994	\$76,145	\$2,538,657	\$2,718,291	\$179,634
\$2,459,394	2035	\$15,000	3.650%	\$76,614	\$91,614	\$15,994	\$75,620	\$2,535,013	\$2,718,291	\$183,278
\$1,719,220	2036	\$155,000	3.850%	\$76,066	\$231,066	\$15,994	\$215,072	\$1,934,292	\$2,718,291	\$783,999
\$1,718,724	2037	\$160,000	4.000%	\$70,099	\$230,099	\$15,994	\$214,105	\$1,932,828	\$2,718,291	\$785,463
\$1,719,256	2038	\$165,000	4.080%	\$63,699	\$228,699	\$15,994	\$212,705	\$1,931,960	\$2,718,291	\$786,331
\$1,720,384	2039	\$175,000	4.150%	\$56,967	\$231,967	\$15,994	\$215,973	\$1,936,357	\$2,718,291	\$781,935
\$1,718,541	2040	\$180,000	4.190%	\$49,704	\$229,704	\$15,994	\$213,710	\$1,932,251	\$2,718,291	\$786,040
\$1,716,848	2041	\$190,000	4.230%	\$42,162	\$232,162	\$15,994	\$216,168	\$1,933,016	\$2,718,291	\$785,276
\$1,712,849	2042	\$200,000	4.270%	\$34,125	\$234,125	\$15,994	\$218,131	\$1,930,980	\$2,718,291	\$787,312
	2043	\$595,000	4.300%	\$25,585	\$620,585	\$15,994	\$604,591	\$604,591	\$2,718,291	\$2,113,700
\$44,057,079	Totals:	\$2,000,000		\$1,370,730	\$3,370,730	\$319,880	\$3,050,850	\$47,107,929	\$57,084,120	\$9,976,191

Municipal Advisor Disclosure of Conflicts of Interest and Other Information

RSA Advisors, LLC (“RSA Advisors”)

Introduction

RSA Advisors is a registered municipal advisory firm registered with the Securities and Exchange Commission (the “SEC”) and the Municipal Securities Rulemaking Board (the “MSRB”). In accordance with MSRB rules, this disclosure statement is provided by RSA Advisors to each client prior to the execution of its advisory agreement with written disclosures of any material conflicts of interest and legal or disciplinary events that are required to be disclosed with respect to providing financial advisory services pursuant to MSRB Rule G-42(b) and (c) (ii).

RSA Advisors employs a number of resources to identify and subsequently manage actual or potential conflicts of interest. These resources include the implementation of policies and procedures and a supervisory structure.

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UNIVERSITY
OF KENTUCKY

Purchasing Division

Request for Proposal

UK-2347-23

Proposal Due Date – 5/12/2023

CM Services

Project #2590.2

White Hall Classroom Building Renovation



UNIVERSITY OF KENTUCKY

Purchasing Division

REQUEST FOR PROPOSAL (RFP)

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

PROPOSAL NO.:	UK-2347-23	RETURN ORIGINAL COPY OF PROPOSAL TO: UNIVERSITY OF KENTUCKY PURCHASING DIVISION 411 S LIMESTONE ROOM 322 PETERSON SERVICE BLDG. LEXINGTON, KY 40506-0005
Issue Date:	4/11/2023	
	CM Services	
Title:	Project 2590.2 – White Hall Classroom	
Purchasing Officer:	Corey Leslie	
Phone:	(859) 323-5405 corey.leslie@uky.edu	

IMPORTANT: PROPOSALS MUST BE RECEIVED BY: 5/12/2023 3 P.M. LEXINGTON, KY TIME.

NOTICE OF REQUIREMENTS

- The University's General Terms and Conditions and Instructions to Bidders, viewable at <https://purchasing.uky.edu/bid-and-proposal-opportunities>, apply to this RFP. When the RFP includes construction services, the University's General Conditions and Special Conditions for Construction and Instructions to Bidders, viewable at <https://purchasing.uky.edu/bid-and-proposal-opportunities>, apply to the RFP.
- Contracts resulting from this RFP must be governed by and in accordance with the laws of the Commonwealth of Kentucky.
- Any agreement or collusion among offerors or prospective offerors, which restrains, tends to restrain, or is reasonably calculated to restrain competition by agreement to bid at a fixed price or to refrain from offering, or otherwise, is prohibited.
- Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine of not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year nor more than five years, or both such fine and imprisonment. Any firm, corporation, or association who violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars or more than twenty thousand dollars.

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

- That I am the offeror (if the offeror is an individual), a partner, (if the offeror is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the offeror is a corporation);
- That the attached proposal has been arrived at by the offeror independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other Contractor of materials, supplies, equipment or services described in the RFP, designed to limit independent bidding or competition;
- That the contents of the proposal have not been communicated by the offeror or its employees or agents to any person not an employee or agent of the offeror or its surety on any bond furnished with the proposal and will not be communicated to any such person prior to the official closing of the RFP;
- That the offeror is legally entitled to enter into contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including, but not limited to, those prohibited by the provisions of KRS 45A.330 to .340, and 164.390;
- That the offeror, and its affiliates, are duly registered with the Kentucky Department of Revenue to collect and remit the sale and use tax imposed by Chapter 139 to the extent required by Kentucky law and will remain registered for the duration of any contract award;
- That I have fully informed myself regarding the accuracy of the statement made above.

SWORN STATEMENT OF COMPLIANCE WITH CAMPAIGN FINANCE LAWS

In accordance with KRS 45A.110 (2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to a bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

CONTRACTOR REPORT OF PRIOR VIOLATIONS OF KRS CHAPTERS 136, 139, 141, 337, 338, 341 & 342

The contractor by signing and submitting a proposal agrees as required by 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341 and 342 that have occurred in the previous five (5) years prior to the award of a contract and agrees to remain in continuous compliance with the provisions of the statutes during the duration of any contract that may be established. Final determinations of violations of these statutes must be provided to the University by the successful contractor prior to the award of a contract.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The contractor, by submitting a proposal, certifies that he/she is in compliance with the Code of Federal Regulations, No. 41 CFR 60-1.8(b) that prohibits the maintaining of segregated facilities.

SIGNATURE REQUIRED: This proposal cannot be considered valid unless signed and dated by an authorized agent of the offeror. Type or print the signatory's name, title, address, phone number and fax number in the spaces provided. Offers signed by an agent are to be accompanied by evidence of his/her authority unless such evidence has been previously furnished to the issuing office.

DELIVERY TIME:	NAME OF COMPANY:	DUNS #
PROPOSAL FIRM THROUGH:	ADDRESS:	Phone/Fax:
PAYMENT TERMS:	CITY, STATE & ZIP CODE:	E-MAIL:
SHIPPING TERMS: F. O. B. DESTINATION PREPAID AND ALLOWED	TYPED OR PRINTED NAME:	WEB ADDRESS:
FEDERAL EMPLOYER ID NO.:	SIGNATURE:	DATE:

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8.3 Alternate Pricing 35

- Attachment A – General Conditions, CM At Risk**
- Attachment B – Contract Agreement, Bond, Affidavit**
- Attachment C - Special Conditions, CM At Risk**
- Attachment D – University of Kentucky Supplier Diversity Initiative and Goals**
- Attachment E – UK PPD Contractor Handbook**
- Attachment F – Fire Alarm out of Service Policy**
- Attachment G –Tree Protection Standards**

1.0 DEFINITIONS

The term "addenda" means written or graphic instructions issued by the University of Kentucky prior to the receipt of proposals that modify or interpret the RFP documents by additions, deletions, clarifications and/or corrections.

The term "competitive negotiations" means the method authorized in the Kentucky Revised Statutes, Chapter 45A.085.

The terms "offer" or "proposal" mean the offeror's/offers' response to this RFP.

The term "offeror" means the entity or contractor group submitting the proposal.

The term "contractor" means the entity receiving a contract award.

The term "purchasing agency" means the University of Kentucky, Purchasing Division, Room 322 Peterson Service Building, Lexington, KY 40506-0005.

The term "purchasing official" means the University of Kentucky's appointed contracting representative.

The term "responsible offeror" means a person, company or corporation that has the capability in all respects to perform fully the contract requirements and the integrity and reliability that will assure good faith performance. In determining whether an offeror is responsible, the University may evaluate various factors including (but not limited to): financial resources; experience; organization; technical qualifications; available resources; record of performance; integrity; judgment; ability to perform successfully under the terms and conditions of the contract; adversarial relationship between the offeror and the University that is so serious and compelling that it may negatively impact the work performed under this RFP; or any other cause determined to be so serious and compelling as to affect the responsibility of the offeror.

The term "solicitation" means RFP.

The term "University" means University of Kentucky.

2.0 GENERAL OVERVIEW

2.1 Intent and Scope

The University of Kentucky desires the services of an experienced and highly qualified construction management firm to provide "FULL SERVICE" construction management on the proposed project. The Construction Manager (CM) selected will become a responsible, cooperative and contributing member of the Owner's professional team for the design and construction of the project. The Construction Manager (CM) will provide assistance and advice and provide management services to the Owner and design consultants to assure the project is completed within defined budget, program and schedule.

The total scope of this project is currently **\$80,000,000** with a total maximum construction budget of approximately **\$60,000,000**, to include costs for Construction Management Services as well as for the award of trade contracts.

The contract established for construction management services will be of a pure agency relationship through Phase 4 Bidding, and then convert to a "LUMP SUM, AT RISK" contract. Contract award contingent on Board of Trustees approval.

The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories. The Construction Manager will hold all construction contracts.

The CM should break the trade packages down such that there are no fewer than ten (10) trade contracts.

A Pre-Proposal Conference will be held on **4/18/2023** at **10:00 AM**, via ZOOM invite. see Section 3.3 for additional information.

The Scope of Services is further defined in Section 7.0 of this Request for Proposal (RFP).

2.2 Background Information

White Hall Classroom Building was originally constructed in 1969, and it continues to be the most heavily utilized classroom building serving the undergraduate population. This project will reimagine the facility aligning it to today's teaching pedagogy and allowing it to be adaptable to future needs. Project includes a complete renovation of the existing 164,464 GSF building to provide centralized state-of-the-art classroom facilities, collaboration spaces, support spaces and associated mechanical, electrical, and building systems. Project will be LEED certified.

2.3 University Information

Since his arrival, President Eli Capilouto has set forth an ambitious agenda to extend and enhance our role as Kentucky's land-grant and flagship research university. By focusing on infrastructure growth and improvement; creating opportunities for innovative teaching, learning, and academic excellence; fostering a robust research and creative scholarship enterprise; providing life-saving

subspecialty care; empowering communities through service and outreach; and encouraging a transparent and shared dialogue about institutional priorities; the University of Kentucky will ensure a new century of promise for the people we impact.

Founded in 1865 as a land-grant institution adjacent to downtown Lexington, UK is nestled in the scenic heart of the beautiful Bluegrass Region of Kentucky. From its early beginnings, with only 190 students and 10 professors, UK's campus now covers more than 918 acres and is home to more than 30,000 students and approximately 14,500 employees, including more than 2,300 full-time faculty. UK is one of a small number of universities in the United States that has programs in agriculture, engineering, a full complement of health colleges including medicine and pharmacy, law and fine arts on a single campus, leading to groundbreaking discoveries and unique interdisciplinary collaboration. The state's flagship university consists of 17 academic and professional colleges where students can choose from more than 200 majors and degree programs at the undergraduate and graduate levels. The colleges are Agriculture, Food and Environment; Arts and Sciences; Business and Economics; Communication and Information; Dentistry; Design; Education; Engineering; Fine Arts; Graduate School; Health Sciences; Law; Medicine; Nursing; Pharmacy; Public Health; and Social Work. These colleges are supported by a modern research library system.

Research at the University of Kentucky is a dynamic enterprise encompassing both traditional scholarship and emerging technologies, and UK's research faculty, staff and students are establishing UK as one of the nation's most prolific public research universities. UK's research enterprise attracted \$285 million in research grants and contracts from out-of-state sources, which generated a \$580 million impact on the Kentucky economy. Included in this portfolio is \$153 million in federal awards from the National Institutes of Health, non-NIH grants from the Department Health and Human Services, the National Science Foundation, Department of Energy, Department of Agriculture and NASA, among others. The National Science Foundation ranks UK's research enterprise 44th among public institutions.

With more than 50 research centers and institutes, UK researchers are discovering new knowledge, providing a rich training ground for current students and the next generation of researchers, and advancing the economic growth of the Commonwealth of Kentucky. Several centers excel in the services offered to the public. The Gluck Equine Research Center is one of only three facilities of its kind in the world, conducting research in equine diseases.

The Center for Applied Energy Research is pursuing groundbreaking discovery across the energy disciplines. CAER staff are pioneering new ways to sustainably utilize Kentucky natural resources through carbon-capture algae technology, biomass/coal to liquid products and the opening of UK's first LEED-certified research lab to support the development of Kentucky's growing alternative energy industry. Among the brightest examples of UK's investment in transformative research is the Markey Cancer Center. As a center of excellence and distinction at UK, Markey's robust research and clinical enterprise is the cornerstone of our commitment to Kentucky – fundamental to our success in uplifting lives through our endeavors and improving the general health and welfare of our state – burdened by the nation's highest rate of cancer deaths per 100,000 people. In 2013, Markey earned the prestigious National Cancer Institute-designation (NCI) – one of 68 nationally and the only one in Kentucky.

The University of Kentucky was awarded a \$20 million Clinical Translational Sciences Award (CTSA) from the National Institutes of Health (NIH). As one of only 60 institutions with this research distinction, UK was awarded the CTSA for its potential in moving research and discovery in the lab into practical field and community applications. The CTSA and NCI are part of a trifecta of federal

research grants that includes an Alzheimer's Disease Center. UK is one of only 22 universities in the country to hold all three premier grants from NIH.

Established in 1957, the medical center at UK is one of the nation's finest academic medical centers and includes the University's clinical enterprise, UK HealthCare. The 569-bed UK Albert B. Chandler Hospital and Kentucky Children's Hospital, along with 256 beds at UK Good Samaritan Hospital, are supported by a growing faculty and staff providing the most advanced subspecialty care for the most critically injured and ill patients throughout the Commonwealth and beyond. Over the last several years, the number of patients served by the medical enterprise has increased from roughly 19,000 discharges to more than 36,000 discharges in 2014.

UK Chandler Hospital includes the only Level 1 Trauma Center for both adult and pediatric patients in Central and Eastern Kentucky. In addition, UK HealthCare recently opened one of the country's largest robotic hybrid operating rooms and the first of its kind in the region. While our new patient care pavilion is the leading healthcare facility for advanced medical procedures in the region, our talented physicians consult with and travel to our network of affiliate hospitals so Kentucky citizens can receive the best health care available close to their home and never need to leave the Bluegrass for complex subspecialty care.

King's Daughters Medical Center based in Ashland Kentucky officially became part of the University of Kentucky. King's Daughters Medical Center serves a 16-county region across Kentucky, Ohio, and West Virginia. Its health system is comprised of two acute-care hospitals totaling 465 licensed beds, more than 50 ambulatory centers and practice locations, a long-term care facility, medical transport company, and six urgent care centers.

UK's agenda remains committed to accelerating the University's movement toward academic excellence in all areas and gain worldwide recognition for its outstanding academic programs, its commitment to students, its investment in pioneering research and discovery, its success in building a diverse community and its engagement with the larger society. It is all part of the University's fulfillment of our promise to Kentucky to position our state as a leader in American prosperity.

SUSTAINABILITY

Sustainability is an institution-wide priority for the University of Kentucky. We strive to ensure that all activities are ecologically sound, socially just, and economically viable, and that they will continue to be so for future generations. This commitment also prioritizes the integration of these principles in curricula, research, athletics, health care, creative works, and outreach. This principled approach to operational practices and intellectual pursuits is intended to prepare students and empower the campus community to support sustainable development in the Commonwealth and beyond. The UK Sustainability Strategic Plan guides these efforts (<https://www.uky.edu/sustainability/sustainability-strategic-plan>).

2.4 Supplier Diversity and Procurement

The University of Kentucky is committed to serve as an advocate for diverse businesses in their efforts to conduct business. Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

The University is committed to increasing the amount of goods and services acquired from businesses owned and controlled by diverse persons to 10% of all procurement expenditures. The University expects its suppliers to support and assist in this effort.

Among the University's goals for DBE participation in procurement are:

- To ensure the absence of barriers that reduce the participation of diverse suppliers
- Educate vendors on "how to" do business with the University
- Support diverse vendors seeking to do business with the University in the areas of goods, services, construction, and other areas of procurement
- Encourage participation of qualified diverse vendors by directing them to agencies that can benefit from their product or service
- Provide resources for diverse vendors
- Sponsor events to assist diverse vendors in becoming active, responsible, and responsive participants in the University's purchasing opportunities

For additional information regarding how diverse suppliers may participate in this Request for Proposal, submit any questions to the Purchasing Officer as indicated in Section 3.2 by the Deadline for Written Questions date.

3.0 PROPOSAL REQUIREMENTS

3.1 Key Event Dates

Release of RFP	4/11/2023
Pre-Proposal Conference (Optional)	4/18/2023
Deadline for Written Questions	3 p.m. Eastern Time on 4/28/2023
RFP Proposals Due	3 p.m. Eastern Time on 5/12/2023
Offeror Presentations*	6/9/2023
Contract Award*	6/15/2023

*projected dates

3.2 Offeror Communication

To ensure that RFP documentation and subsequent information (modifications, clarifications, addenda, Written Questions and Answers, etc.) are directed to the appropriate persons within the offeror's firm, each offeror who intends to participate in this RFP is to provide the following information to the purchasing officer. Prompt, thorough compliance is in the best interest of the offeror. Failure to comply may result in incomplete or delayed communication of addenda or other vital information. Contact information is the responsibility of the offeror. Without the prompt information, any communication shortfall shall reside with the offeror.

- Name of primary contact
- Mailing address of primary contact
- Telephone number of primary contact
- Fax number of primary contact
- E-mail address of primary contact
- Additional contact persons with same information provided as primary contact

This information shall be transmitted via fax or e-mail to:

Mr. Corey W. Leslie
 Purchasing Division
 University of Kentucky
 322 Peterson Service Building
 Lexington, KY 40506-0005
 Phone: (859) 257-9100
 Fax: (859) 257-1951
 E-mail: cckbidquestions@email.uky.edu

All communication with the University regarding this RFP shall only be directed to the purchasing officer listed above.

3.3 Pre-Proposal Conference

A pre-proposal conference will be held in Lexington, Kentucky on 4/18/2023 at 10 a.m. Via Zoom to allow prospective contractors an opportunity to ask questions and clarify the University's expectations. This conference provides offerors an opportunity for oral questions.

Meeting URL: <https://uky.zoom.us/j/86701566875>

Meeting ID: 867 0156 6875

The following items should be noted in reference to the pre-proposal conference:

- Attendance at the pre-proposal conference is optional. At this conference, the scope of services will be discussed in detail.
- Offerors are encouraged to submit written questions after the conference by the date listed in Section 3.1.

The University will prepare written responses to all questions submitted and make them available to all offerors. The questions and answers will be made part of the RFP and may become part of the contract with the successful contractor. Answers given orally at the conference are not binding.

3.4 Offeror Presentations

All offerors whose proposals are judged acceptable for award may be required to make a presentation to the evaluation committee.

3.5 Preparation of Offers

The offeror is expected to follow all specifications, terms, conditions and instructions in this RFP.

The offeror will furnish all information required by this solicitation.

Proposals should be prepared simply and economically, providing a description of the offeror's capabilities to satisfy the requirements of the solicitation. Emphasis should be on completeness and clarity of content. All documentation submitted with the proposal should be bound in the single volume except as otherwise specified.

Include in your proposal all relevant and important information which will help the selection committee evaluate your firm for this project. UK reserves the right to make a selection from proposals without conducting interviews.

An electronic version of the RFP, in .PDF format only, is available through the University of Kentucky Purchasing Division website at: <https://purchasing.uky.edu/bid-and-proposal-opportunities>.

3.6 Proposed Deviations from the RFP

The stated requirements appearing elsewhere in this RFP shall become a part of the terms and conditions of any resulting contract. Any deviations therefrom must be specifically defined in accordance with the transmittal letter, Section 4.3 (d). If accepted by the University, the deviations shall become part of the contract, but such deviations must not be in conflict with the basic nature of this RFP.

Note: Offerors shall not submit their standard terms and conditions as exceptions to the University's General Terms and Conditions. Each exception to the University's General Terms and Conditions shall be individually addressed.

3.7 Proposal Submission and Deadline

Offeror must provide the following materials prior to 3 p.m. (Lexington, KY time) on the date specified in Section 3.1 and addressed to the purchasing officer listed in Section 3.2:

- **Technical Proposal:** One (1) copy on an electronic storage device (USB) clearly marked with the proposal number and name, firm name and what is included (Technical Proposal), one (1) original, and four (4) printed copies in a single package, separate from the Financial Proposal.
- The University strongly encourages Offerors to identify the original Technical proposal as the "Purchasing Copy" by label, stamp, or other clearly visible means. Should any deviations between copies be discovered, the Purchasing Copy will serve as the authoritative submittal of record.
- **Financial Proposal:** is discussed in Sections 4.7 and 5.

Note: Proposals received after the closing date and time will not be considered. In addition, proposals received via fax or e-mail are not acceptable.

The University of Kentucky accepts deliveries of RFPs Monday through Friday from 8 a.m. to 5 p.m. Lexington, KY time. However, RFPs must be received by 3 p.m. Lexington, KY time on the date specified on the RFP in order to be considered.

Proposals shall be enclosed in sealed envelopes to the above referenced address and shall show on the face of the envelope: the closing time and date specified, the solicitation number and the name and address of the offeror. The technical proposal shall be submitted in a sealed envelope and the financial proposal shall be submitted in a sealed envelope under separate cover. Both sealed envelopes shall have identical information on the cover, with the addition that one will state "Technical Information," and the other, "Financial Proposal."

Note: In accordance with the Kentucky Revised Statute 45A.085, there will be no public opening.

3.8 Modification or Withdrawal of Offer

An offer and/or modification of offer received at the office designated in the solicitation after the exact hour and date specified for receipt will not be considered.

An offer may be modified or withdrawn by written notice before the exact hour and date specified for receipt of offers. An offer also may be withdrawn in person by an offeror or an authorized representative, provided the identity of the person is made known and the person signs a receipt for the offer, but only if the withdrawal is made prior to the exact hour and date set for receipt of offers.

3.9 Acceptance or Rejection and Award of Proposal

The University reserves the right to accept or reject any or all proposals (or parts of proposals), to waive any informalities or technicalities, to clarify any ambiguities in proposals and (unless otherwise specified) to accept any item in the proposal. In case of error in extension or prices or other errors in calculation, the unit price shall govern. Further, the University reserves the right to make a single award, split awards, multiple awards or no award, whichever is in the best interest of the University.

3.10 Rejection

Grounds for the rejection of proposals include (but shall not be limited to):

- Failure of a proposal to conform to the essential requirements of the RFP.
- Imposition of conditions that would significantly modify the terms and conditions of the solicitation or limit the offeror's liability to the University on the contract awarded on the basis of such solicitation.
- Failure of the offeror to sign the University RFP. This includes the Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest statements.
- Receipt of proposal after the closing date and time specified in the RFP.

3.11 Addenda

Any addenda or instructions issued by the purchasing agency prior to the time for receiving proposals shall become a part of this RFP. Such addenda shall be acknowledged in the proposal. No instructions or changes shall be binding unless documented by a proper and duly issued addendum.

3.12 Disclosure of Offeror's Response

The RFP specifies the format, required information and general content of proposals submitted in response to this RFP. The purchasing agency will not disclose any portions of the proposals prior to contract award to anyone outside the Purchasing Division, the University's administrative staff,

representatives of the state or federal government (if required) and the members of the committee evaluating the proposals. After a contract is awarded in whole or in part, the University shall have the right to duplicate, use or disclose all proposal data submitted by offerors in response to this RFP as a matter of public record.

Any submitted proposal shall remain valid six (6) months after the proposal due date.

The University shall have the right to use all system ideas, or adaptations of those ideas, contained in any proposal received in response to this RFP. Selection or rejection of the proposal will not affect this right.

3.13 Restrictions on Communications with University Staff

From the issue date of this RFP until a contractor is selected and a contract award is made, offerors are not allowed to communicate about the subject of the RFP with any University administrator, faculty, staff or members of the board of trustees except: the purchasing office representative, any University purchasing official representing the University administration, others authorized in writing by the purchasing office and University representatives during offeror presentations. If violation of this provision occurs, the University reserves the right to reject the offeror's proposal.

3.14 Cost of Preparing Proposal

Costs for developing the proposals and any subsequent activities prior to contract award are solely the responsibility of the offerors. The University will provide no reimbursement for such costs.

3.15 Disposition of Proposals

All proposals become the property of the University. The successful proposal will be incorporated into the resulting contract by reference.

3.16 Alternate Proposals

Offerors may submit alternate proposals. If more than one proposal is submitted, all must be complete (separate) and comply with the instructions set forth within this document. Each proposal will be evaluated on its own merits.

3.17 Questions

All questions should be submitted by either fax or e-mail to the purchasing officer listed in Section 3.2 no later than the date listed in Section 3.1.

3.18 Section Titles in the RFP

Section titles used herein are for the purpose of facilitating ease of reference only and shall not be construed to infer the construction of contractual language.

3.19 No Contingent Fees

No person or selling agency shall be employed or retained or given anything of monetary value to solicit or secure this contract, except bona fide employees of the offeror or bona fide established commercial or selling agencies maintained by the offeror for the purpose of securing business. For breach or violation of this provision, the University shall have the right to reject the proposal, annul the contract without liability, or, at its discretion, deduct from the contract price or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee or other benefit.

3.20 Proposal Addenda and Rules for Withdrawal

Prior to the date specified for receipt of offers, a submitted proposal may be withdrawn by submitting a written request for its withdrawal to the University purchasing office, signed by the offeror. Unless requested by the University, the University will not accept revisions or alterations to proposals after the proposal due date.

3.21 Requirement To Perform Vendor Onboarding and Registration

As a condition of award, and for any renewals performed during the life of the contract, successful Contractor agrees to register their company with PaymentWorks, Inc., the University's vendor onboarding application. Registration information will be provided by the Purchasing Division as part of the award process. During the vendor registration process, successful Contractor agrees to provide any applicable information pertaining to diversity demographics for their company. Further, should any company or diversity information change during the life of the contract, successful Contractor agrees to update this information in PaymentWorks as applicable.

4.0 PROPOSAL FORMAT AND CONTENT

4.1 Proposal Information and Criteria

The following list specifies the items to be addressed in the proposal. Offerors should read it carefully and address it completely, and in the order listed to facilitate the University's review of the proposal.

Proposals shall be organized into the sections identified below. The content of each section is detailed in the following pages. It is strongly suggested that offerors use the same numbers for the following content that are used in the RFP.

- Signed Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest Form
- Transmittal Letter
- Executive Summary and Proposal Overview
- Criteria 1 - Offeror Qualifications
- Criteria 2 – Services Defined
- Criteria 3 – Financial Proposal
- Criteria 4 - Evidence of Successful Performance and Implementation Schedule
- Criteria 5 - Other Additional Information

4.2 Signed Authentication of Proposal and Statements of Non-Collusion and Non-Conflict of Interest Form

The Offeror will sign and return the proposal cover sheet and print or type their name, firm, address, telephone number and date. The person signing the offer must initial erasures or other changes. An offer signed by an agent is to be accompanied by evidence of their authority unless such evidence has been previously furnished to the purchasing agency. The signer shall further certify that the proposal is made without collusion with any other person, persons, company or parties submitting a proposal; that it is in all respects fair and in good faith without collusion or fraud; and that the signer is authorized to bind the principal offeror.

4.3 Transmittal Letter

The Transmittal Letter accompanying the RFP shall be in the form of a standard business letter and shall be signed by an individual authorized to legally bind the offeror. It shall include:

- A statement referencing all addenda and written questions, the answers and any clarifications to this RFP issued by the University and received by the offeror (If no addenda have been received, a statement to that effect should be included.).
- A statement that the offeror's proposal shall remain valid for six (6) months after the closing date of the receipt of the proposals.
- A statement that the offeror will accept financial responsibility for all travel expenses incurred for oral presentations (if required) and candidate interviews.

- A statement that summarizes any deviations or exceptions to the RFP requirements and includes a detailed justification for the deviation or exception.
- A statement that identifies the confidential information as described in Section 6.23.

4.4 Executive Summary and Proposal Overview

The Executive Summary and Proposal Overview shall condense and highlight the contents of the technical proposal in such a way as to provide the evaluation committee with a broad understanding of the entire proposal.

As part of the Executive Summary and Proposal Overview, Offeror shall submit with their response a summarized profile describing the demographic nature of their company or organization:

1. When was your organization established and/or incorporated?
2. Indicate whether your organization is classified as local, regional, national, or international.
3. Describe the size of your company in terms of number of employees, gross sales, etc.
4. Is your company certified as small business, minority-owned, women-owned, veteran-owned, disabled-owned, or similar classification?
5. Include other demographic information that you feel may be applicable to the Request for Proposal submission.
6. Offeror shall describe in detail their company's commitment to diversity, equity, and inclusion. Information shall be provided as to the number of diverse individuals that the vendor employees as well as a description of vendors efforts to do business with Diverse Business Enterprises as they conduct their own business. In additional, indicate the diversity nature of your company as well as ownership race/ethnicity.

Diverse Business Description	Check All That Apply
Minority-Owned	
Woman-Owned	
Small Business	
Veteran-Owned	
LGBTQ-Owned	
Disability-Owned Business Entity (DOBE)	
Diversity not indicated	

Race/Ethnicity	Check One
Asian	
Black/African American	
Hispanic or Latino	
Native American	
Native Hawaiian/Pacific Islander	
White	
Other	
Prefer not to say	

4.5 Criteria 1 - Offeror Qualifications

The purpose of the Offeror Qualifications section is to determine the ability of the offeror to respond to this RFP. Offerors must describe and offer evidence of their ability to meet each of the qualifications listed below.

Our supply chains and business partnerships are an important aspect of this work. In your proposal, (A) provide your company’s mission and vision relative to sustainability, and (B) how your company, through services, products, and partnerships, will help the University of Kentucky advance specific elements of the Sustainability Strategic Plan.

- a) Provide a brief narrative describing the history of your firm. Identify the number of employees in your firm, and the ownership.
- b) Provide an executive summary profile of your firm indicating the total annual volume of work; an overview of the firms resources; the approximate percentage of University related work versus other project types; a breakdown of your firms volume relative to CM @ Risk, CM Agency, Lump-sum negotiated, Lump- sum hard bid, design-build, etc.; Indicate whether your firm routinely self performs any trade work and if so the relative amount of self-performed work to the total volume. Indicate what resources, if any, your firm has regarding self-performed trade work. Provide any other information necessary to describe your core business parameters.
- c) Provide an organizational chart of your firm indicating the lines of authority for the senior personnel involved in performance of this contract and relationships of this staff to other programs or functions of the firm. This chart should show lines of authority to the next senior level of management beyond the project team level.
- d) Has your firm had a contract terminated for default in the last five years? If so, describe such incident.
- e) Indicate any other experience that demonstrates the qualifications of your firm for the performance of this contract.

4.6 Criteria 2 – Services Defined

- a) The CM should provide documentation of their understanding of the services requested in the RFP and contract documents.
- b) Your proposal must provide for the completion of all work necessary to accomplish the scope of work defined in this RFP. Include a complete description of the proposed approach and methodology to accomplish the work described. The plan must be in sufficient detail to convey to the evaluation team the CM's knowledge of projects of similar scale and complexity and the CM's knowledge of the requirements, demands, and constraints of this project.
- c) Explain how your firm/team approaches budgeting and budget maintenance to assure a successful completion within budget.
- d) Provide an organization chart, resumes of key team members, and brief description of roles and responsibilities. Include a detailed staffing chart for each phase of construction indicating the on-site staffing that you feel is necessary to provide the construction services requested.
- e) Describe your firm's diversity recruitment program and strategy for achieving participation as well as your strategy to promote local trade, contractor, and vendor participation this project.

4.7 Criteria 3 – Financial Proposal

The Financial Summary Form shall contain the complete financial offer made to the University using the format contained in Section 8.0. All financial information must be submitted in a sealed envelope under separate cover.

4.8 Criteria 4 – Evidence of Successful Performance and Implementation Schedule

- a) Explain how your firm/team approaches scheduling and schedule maintenance to ensure successful on time completion of the design and construction phases.
- b) Provide examples of schedules your firm has generated in support of projects of the size and complexity of this project.

4.9 Criteria 5 – Other Additional Information

The offeror may present any creative approaches that might be appropriate. The offeror may also provide supporting documentation that would be pertinent to this RFP.

The Offeror may provide information on their firm's local, regional, and national employee diversity metrics, and their firm's five-year historical utilization of DBE certified firms as first tier subcontractors at local, regional, and national levels.

The Offeror is also encouraged to provide information regarding their firm's diversity outreach and recruiting efforts, as well as information on outreach and mentoring programs to subcontractors and suppliers.

5.0 EVALUATION CRITERIA PROCESS

Phase 1: Technical Proposals

A committee of University officials appointed by the Chief Procurement Officer will evaluate proposals and make a recommendation to the Chief Procurement Officer. The evaluation will be based upon the information provided in the proposal, presentations to the committee, additional information requested by the University for clarification, and information obtained from references and independent sources.

The evaluation committee will review proposals and discuss the merits of each Offeror's technical proposal. Each committee member will independently evaluate the Phase 1 proposals and indicate an ordinal ranking (1st, 2nd, 3rd, etc.) of the firms for each evaluation criteria contained in this document and weighed per criteria described in the table below. Each committee member's final score for each firm will be the weighted average of the ordinal rank for each evaluation criteria using the points available for the evaluation criteria. The firm's overall Phase 1 score will be the composite score of all committee members' scores for the firm.

Criteria Description	Phase 1 Criteria Weight
Project Team Qualifications	30
Services Defined	30
Qualifications – Firm	20
Scheduling Ability	10
Constructability and Interdisciplinary Coordination Review	10

The total weighted average points awarded to each Offeror by the committee members will determine the Phase 1: Technical Proposal ranks, and corresponding scores as illustrated below:

Rank	Phase 1 Score
1 st	100
2 nd	90
3 rd	80
4 th or below	70

The first, second, and third ranked firms may proceed to Phase 2. An Offeror that receives points below the natural break of points awarded for Phase 1 may be eliminated from further consideration regardless of the number of proposals received. The committee reserves the right to advance additional firms to Phase 2 in the event of a tie score or by decision of the committee.

Phase 2: Finalist Presentations and Non-Price Total Score Evaluation Process and Scoring

Offerors that advance to Phase 2 will be invited to make finalist presentations to the evaluation committee and may be requested to provide additional or clarifying information.

Each Finalist should provide their financial proposal to the Purchasing Officer indicated in this document in the format(s) requested on or before the time and date of their presentation. No evaluation committee member will have any knowledge of any Offeror's financial proposal until released by the Purchasing Officer.

Phase 2, Step 1: Finalist Presentations Scoring

After all Finalist Presentations are concluded, each evaluation committee member will independently rank each Offeror. The evaluation committee will then discuss and determine the ranking of each Offeror. The total weighted average ranking of each Offeror will determine the overall Phase 2, Step 1: Finalist Presentations rank, and corresponding score as illustrated below:

Rank	Phase 2, Step 1 Score
1 st	100
2 nd	75
3 rd	50
4 th or below	25

Phase 2, Step 2: Non-Price Total Score

The Non-Price Total Score is calculated by adding the Phase 1 score and Phase 2, Step 1 Score. The maximum Non-Price Total Score is 200.

Phase 3: Financial Proposal Score

The maximum Financial Proposal Score is 200. The Offeror proposing the lowest price/score will receive the maximum score of 200. Each higher financial proposal will receive a proportional score as determined by the formula below:

$$\frac{\text{Lowest Price}}{\text{Offeror's Price}} \times 200 = \text{Offeror's Financial Proposal Score}$$

Best and Final Offer (BAFO):

The Offeror(s) with the highest total scores from Phases 1, 2, and 3 may receive a request for a Best and Final Offer from the Purchasing Officer. BAFOs are Financial Proposals and are scored identically.

Basis of Award: Offeror's Total Score

Maximum Phase 1: Technical Proposal Score	100
Maximum Phase 2: Finalist Presentations Score	100
Maximum Phase 3: Financial Proposal Score	200
Maximum points available for Offeror's Total Score	400

The Offeror's Total Score is calculated by adding the Non-Price Score and the Offeror's Financial Proposal Score

The Offeror with the highest Total Score will receive the evaluation committee's recommendation for award unless the Offeror's Financial Proposal exceeds the authorized budget

6.0 SPECIAL CONDITIONS

Refer to Attachment C – Special Conditions CM at Risk

6.1 Contract Term

Refer to Attachment C – Special Conditions CM at Risk

6.2 Effective Date

The effective date of the contract shall be the date upon which the parties execute it and all appropriate approvals, including that of the Commonwealth of Kentucky Government Contracts Review Committee, have been received.

6.3 Competitive Negotiation

It is the intent of the RFP to enter into competitive negotiation as authorized by KRS 45A.085.

The University will review all proposals properly submitted. However, the University reserves the right to request necessary modifications, reject all proposals, reject any proposal that does not meet mandatory requirement(s) or cancel this RFP, according to the best interests of the University.

Offeror(s) selected to participate in negotiations may be given an opportunity to submit a Best and Final Offer to the purchasing agency. All information-received prior to the cut-off time will be considered part of the offeror's Best and Final Offer.

The University also reserves the right to waive minor technicalities or irregularities in proposals providing such action is in the best interest of the University. Such waiver shall in no way modify the RFP requirements or excuse the offeror from full compliance with the RFP specifications and other contract requirements if the offeror is awarded the contract.

6.4 Appearance Before Committee

Any, all or no offerors may be requested to appear before the evaluation committee to explain their proposal and/or to respond to questions from the committee concerning the proposal. Offerors are prohibited from electronically recording these meetings. The committee reserves the right to request additional information.

6.5 Additions, Deletions or Contract Changes

The University reserves the right to add, delete, or change related items or services to the contract established from this RFP. No modification or change of any provision in the resulting contract shall be made unless such modification is mutually agreed to in writing by the contractor and the Chief Procurement Officer and incorporated as a written modification to the contract. Memoranda of understanding and correspondence shall not be interpreted as a modification to the contract.

6.6 Contractor Cooperation in Related Efforts

The University reserves the right to undertake or award other contracts for additional or related work to other entities. The contractor shall fully cooperate with such other contractors and University employees and carefully fit its work to such additional work. The contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor or by University employees. This clause shall be included in the contracts of all contractors with whom this contractor will be required to cooperate. The University shall equitably enforce this clause to all contractors to prevent the imposition of unreasonable burdens on any contractor.

6.7 Entire Agreement

The RFP shall be incorporated into any resulting contract. The resulting contract, including the RFP and those portions of the offeror's response accepted by the University, shall be the entire agreement between the parties.

6.8 Governing Law

The contractor shall conform to and observe all laws, ordinances, rules and regulations of the United States of America, Commonwealth of Kentucky and all other local governments, public authorities, boards or offices relating to the property or the improvements upon same (or the use thereof) and will not permit the same to be used for any illegal or immoral purposes, business or occupation. The resulting contract shall be governed by Kentucky law and any claim relating to this contract shall only be brought in the Franklin Circuit Court in accordance with KRS 45A.245.

6.9 Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act

To the extent Company receives Personal Information as defined by and in accordance with Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act, KRS 61.931, 61.932 and 61.933 (the "Act"), Company shall secure and protect the Personal Information by, without limitation: (i) complying with all requirements applicable to non-affiliated third parties set forth in the Act; (ii) utilizing security and breach investigation procedures that are appropriate to the nature of the Personal Information disclosed, at least as stringent as University's and reasonably designed to protect the Personal Information from unauthorized access, use, modification, disclosure, manipulation, or destruction; (iii) notifying University of a security breach relating to Personal Information in the possession of Company or its agents or subcontractors within seventy-two (72) hours of discovery of an actual or suspected breach unless the exception set forth in KRS 61.932(2)(b)2 applies and Company abides by the requirements set forth in that exception; (iv) cooperating with University in complying with the response, mitigation, correction, investigation, and notification requirements of the Act, (v) paying all costs of notification, investigation and mitigation in the event of a security breach of Personal Information suffered by Company; and (vi) at University's discretion and direction, handling all administrative functions associated with notification, investigation and mitigation.

6.10 Termination for Convenience

The University of Kentucky, Purchasing Division, reserves the right to terminate the resulting contract without cause with a thirty (30) day written notice. Upon receipt by the contractor of a "notice of termination," the contractor shall discontinue all services with respect to the applicable contract. The cost of any agreed upon services provided by the contractor will be calculated at the agreed upon rate prior to a "notice of termination" and a fixed fee contract will be pro-rated (as appropriate).

6.11 Termination for Non-Performance

Default

The University may terminate the resulting contract for non-performance, as determined by the University, for such causes as:

- Failing to provide satisfactory quality of service, including, failure to maintain adequate personnel, whether arising from labor disputes, or otherwise any substantial change in ownership or proprietorship of the Contractor, which in the opinion of the University is not in its best interest, or failure to comply with the terms of this contract;
- Failing to keep or perform, within the time period set forth herein, or violation of, any of the covenants, conditions, provisions or agreements herein contained;
- Adjudicating as a voluntarily bankrupt, making a transfer in fraud of its creditors, filing a petition under any section from time to time, or under any similar law or statute of the United States or any state thereof, or if an order for relief shall be entered against the Contractor in any proceeding filed by or against contractor thereunder. In the event of any such involuntary bankruptcy proceeding being instituted against the Contractor, the fact of such an involuntary petition being filed shall not be considered an event of default until sixty (60) days after filing of said petition in order that Contractor might during that sixty (60) day period have the opportunity to seek dismissal of the involuntary petition or otherwise cure said potential default; or
- Making a general assignment for the benefit of its creditors, or taking the benefit of any insolvency act, or if a permanent receiver or trustee in bankruptcy shall be appointed for the Contractor.

Demand for Assurances

In the event the University has reason to believe Contractor will be unable to perform under the Contract, it may make a demand for reasonable assurances that Contractor will be able to timely perform all obligations under the Contract. If Contractor is unable to provide such adequate assurances, then such failure shall be an event of default and grounds for termination of the Contract.

Notification

The University will provide ten (10) calendar days written notice of default. Unless arrangements are made to correct the non-performance issues to the University's satisfaction within ten (10)

calendar days, the University may terminate the contract by giving forty-five (45) days notice, by registered or certified mail, of its intent to cancel this contract.

6.12 Funding Out

The University may terminate this contract if funds are not appropriated or are not otherwise available for the purpose of making payments without incurring any obligation for payment after the date of termination, regardless of the terms of the contract. The University shall provide the contractor thirty (30) calendar days' written notice of termination under this provision.

6.13 Prime Contractor Responsibility

Any contracts that may result from the RFP shall specify that the contractor(s) is/are solely responsible for fulfillment of the contract with the University.

6.14 Assignment and Subcontracting

The Contractor(s) may not assign or delegate its rights and obligations under any contract in whole or in part without the prior written consent of the University. Any attempted assignment or subcontracting shall be void.

6.15 Permits, Licenses, Taxes

The contractor shall procure all necessary permits and licenses and abide by all applicable laws, regulations and ordinances of all federal, state and local governments in which work under this contract is performed.

The contractor must furnish certification of authority to conduct business in the Commonwealth of Kentucky as a condition of contract award. Such registration is obtained from the Secretary of State, who will also provide the certification thereof. However, the contractor need not be registered as a prerequisite for responding to the RFP.

The contractor shall pay any sales, use, personal property and other tax arising out of this contract and the transaction contemplated hereby. Any other taxes levied upon this contract, the transaction or the equipment or services delivered pursuant hereto shall be the responsibility of the contractor.

The contractor will be required to accept liability for payment of all payroll taxes or deductions required by local and federal law including (but not limited to) old age pension, social security or annuities.

6.16 Attorneys' Fees

In the event that either party deems it necessary to take legal action to enforce any provision of the contract and in the event that the University prevails, the contractor agrees to pay all expenses of such action including attorneys' fees and costs at all stages of litigation.

6.17 Royalties, Patents, Copyrights and Trademarks

The Contractor shall pay all applicable royalties and license fees. If a particular process, products or device is specified in the contract documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the contract documents and the Contractor is responsible for payment of all associated royalties. To the fullest extent permitted by law the Contractor shall indemnify, hold the University harmless, and defend all suits, claims, losses, damages or liability resulting from any infringement of patent, copyright, and trademark rights resulting from the incorporation in the Work or device specified in the Contract Documents.

Unless provided otherwise in the contract, the Contractor shall not use the University's name nor any of its trademarks or copyrights, although it may state that it has a Contract with the University.

6.18 Indemnification

The contractor shall indemnify, hold and save harmless the University, its affiliates and subsidiaries and their officers, agents and employees from losses, claims, suits, actions, expenses, damages, costs (including court costs and attorneys' fees of the University's attorneys), all liability of any nature or kind arising out of or relating to the Contractor's response to this RFP or its performance or failure to perform under the contract awarded from this RFP. This clause shall survive termination for as long as necessary to protect the University.

6.19 Insurance

The successful Contractor shall procure and maintain, at its expense, the following minimum insurance coverages insuring all services, work activities and contractual obligations undertaken in this contract. These insurance policies must be with insurers acceptable to the University.

Employers' Liability Insurance. The Construction Manager shall acquire and maintain Employers' Liability insurance with at least \$500,000/\$500,000/\$500,000 limits of liability for all employees who will be working at the Project site.

Commercial General Liability Insurance. If the work involved requires the use of helicopters, a separate aviation liability policy with limits of liability of \$100,000,000 will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits of \$10,000,000 will be required.

The limits of liability shall not be less than \$5,000,000 each occurrence combined single limits for bodily injury and property damage.

Comprehensive Automobile Liability Insurance. Policy limits shall not be less than \$2,000,000 for combined single limits for bodily injury and property damage for each occurrence.

Excess or Umbrella Liability Insurance. This policy shall have a minimum of \$1,000,000 combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary policies.

Workers' Compensation- Statutory Requirements (Kentucky)

The successful contractor agrees to furnish Certificates of Insurance for the above described coverages and limits to the University of Kentucky, Purchasing Division. The University, its trustees and employees must be added as additional insured on the Commercial General Liability policy with regard to the scope of this solicitation. Any deductibles or self-insured retention in the above-described policies must be paid and are the sole responsibility of the contractor. Coverage is to be primary and non-contributory with other coverage (if any) purchased by the University. All of these required policies must include a Waiver of Subrogation (except Workers' Compensation) in favor of the University, its trustees and employees.

6.20 Method of Award

It is the intent of the University to award a contract to the qualified offeror whose offer, conforming to the conditions and requirements of the RFP, is determined to be the most advantageous to the University, cost and other factors considered.

Notwithstanding the above, this RFP does not commit the University to award a contract from this solicitation. The University reserves the right to reject any or all offers and to waive formalities and minor irregularities in the proposal received.

6.21 Reciprocal Preference

In accordance with KRS 45A.494, a resident offeror of the Commonwealth of Kentucky shall be given a preference against a nonresident offeror. In evaluating proposals, the University will apply a reciprocal preference against an offeror submitting a proposal from a state that grants residency preference equal to the preference given by the state of the nonresident offeror. Residency and non-residency shall be defined in accordance with KRS 45A.494(2) and 45A.494(3), respectively. Any offeror claiming Kentucky residency status shall submit with its proposal a notarized affidavit affirming that it meets the criteria as set forth in the above reference statute.

6.22 Reports and Auditing

NA

6.23 Confidentiality

The University recognizes an offeror's possible interest in preserving selected information and data included in the proposal; however, the University must treat such information and data as required by the Kentucky Open Records Act, KRS 61.870, et seq.

Information areas which normally might be considered proprietary, and therefore confidential, shall be limited to individual personnel data, customer references, formulae and company financial audits which, if disclosed, would permit an unfair advantage to competitors. If a proposal contains information in these areas and the offeror declares them to be proprietary in nature and not available for public disclosure, the offeror shall declare in the Transmittal Letter the inclusion of proprietary information and shall noticeably label as confidential or proprietary each sheet containing such information. Proposals containing information declared by the offeror to be

proprietary or confidential, either wholly or in part, outside the areas listed above may be deemed non-responsive and may be rejected.

The University's General Counsel shall review each offeror's information claimed to be confidential and, in consultation with the offeror (if needed), make a final determination as to whether or not the confidential or proprietary nature of the information or data complies with the Kentucky Open Records Act.

6.24 Conflict of Interest

This Request for Proposal and resulting Contract are subject to provisions of the Kentucky Revised Statutes regarding conflict of interest and the University of Kentucky's Ethical Principles and Code of Conduct (www.uky.edu/Legal/ethicscode.htm). When submitting and signing a proposal, an offeror is certifying that no actual, apparent or potential conflict of interest exists between the interests of the University and the interests of the offeror. A conflict of interest (whether contractual, financial, organizational or otherwise) exists when any individual, contractor or subcontractor has a direct or indirect interest because of a financial or pecuniary interest, gift or other activities or relationships with other persons (including business, familial or household relationships) and is thus unable to render or is impeded from rendering impartial assistance or advice, has impaired objectivity in performing the proposed work or has an unfair competitive advantage.

Questions concerning this section or interpretation of this section should be directed to the University purchasing officer identified in this RFP.

6.25 Personal Service Contract Policies

N/A

6.26 Copyright Ownership and Title to Designs and Copy

N/A

6.27 University Brand Standards

The contractor must adhere to all University of Kentucky Brand Standards. University Brand Standards are maintained by the University Public Relations Office (UKPR) and can be viewed at <http://www.uky.edu/prmarketing/brand-standards>. Non-adherence to the standards can have a penalty up to and including contract cancellation. Only the UKPR Director or designee can approve exceptions to the University standards.

Graphics standards for the UK HealthCare areas are governed by UK HealthCare Clinical Enterprise Graphic Standards, found at: <https://ukhealthcare.uky.edu/staff/brand-strategy>.

Contractor warrants that its products or services provided hereunder will be in compliance with all applicable Federal disabilities laws and regulations, including without limitation the accessibility requirements of Section 255 of the Federal Telecommunications Act of 1996 (47 U.S.C. § 255) and Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), and its implementing

regulations set forth at Title 36, Code of Federal Regulations, Part 1194. For purposes of clarity, updated regulations under Section 508 standards now incorporate WCAG 2.0, and for purposes of this agreement WCAG 2.0 Level AA compliance is expressly included. Contractor agrees to promptly respond to, resolve and remediate any complaint regarding accessibility of products or services in a timely manner and provide an updated version to University at no cost. If deficiencies are identified, University reserves the right to request from Contractor, a timeline by which accessibility standards will be incorporated into the products or services provided by Contractor and shall provide such a timeline within a commercially reasonable duration of time. Failure to comply with these requirements shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement.

Where any customized web services are provided, Contractor represents that it has reviewed the University's Web Policy and all products or services will comply with its published standards.

Contractor will provide University with a current Voluntary Product Accessibility Template (VPAT) for any deliverable(s). If none is available, Vendor will provide sufficient information to reasonably assure the University that the products or services are fully compliant with current requirements.

6.28 Printing Statutes

N/A

6.29 Requirement for Contract Administration Fee

N/A

6.30 Payment Terms

See Attachment A – General Conditions, CM at Risk.

7.0 SCOPE OF SERVICES

The Construction Manager (CM) will provide the following services:

- Design Phase (Review of Construction Documents and estimating)
- Bid and Award
- Construction, including Acceptance
- Post Construction, including Warranty.

The CM, in consultation with the Designer of Record and the University, will recommend the deliverables of project schedule consistent with Bid Packages necessary to complete the construction within the specified time. Subject to the approval by both the Designer of Record and University the CM will assume the lead in developing and maintaining the project schedule, bidding, construction progress, facility acceptance, and all post construction activities.

7.1 **Detailed Services Defined**

Each Offeror shall provide information, documentation and other necessary materials that best demonstrates and informs the University of the firm's abilities, professional competence, experience and expertise that will enable the firm to provide the construction management services desired. Demonstrated experience and success in promoting and achieving project MBE/WBE participation is desirable. Each Offeror is expected to examine all specifications, terms, conditions, and instructions in this Request for Proposal. Failure to do so will be at the Offeror's risk. The submittal response should be focused with straight forward concise descriptions of the firm's capabilities. In keeping with this requirement, the Offeror's response to this request should be no more than (50) fifty pages, not including any preprinted firm information and brochures. Broad scope of services that may be required on this project include, but not necessarily be limited to those described below:

7.1.1 Detailed Services Defined

The University has retained an Architect of Record (Sherman Carter Barnhart Architecture) to provide design and conventional architectural contract administration services for the project. The CM, in consultation the Architect and the University, will take the lead and develop the remainder of the project schedule, subject to approval by both the Architect and the University.

The CM shall:

1. Prepare required detailed construction cost estimates at each phase of design (I, II, III) to support the design process.
2. Participate in Phase III Construction Document progress review sessions for the purpose of providing input with respect to constructability, contractibility, value engineering, scheduling and document development. In addition, the Construction manager will provide a comprehensive, independent constructability and interdisciplinary coordination review of the final construction documents for Bid Packages.
3. Provide Special Conditions for approval by the Architect and the University and for inclusion in bidding and contract documents

7.1.2 Bid and Award Phase Services

- 1) The CM shall assist the Owner's Capital Construction Procurement Division to insure that all bidding activities result in qualified contractors for the lowest possible costs.
- 2) Bids will be solicited by the University in accordance with the Commonwealth of Kentucky Model Procurement Code (KRS 045A). The CM will participate in the post bid evaluation and verification of the qualifications of the firms submitting apparent low bids for each of the bid packages for the project to assist in the determination of the proposals representing the best value to the University.
- 3) As each trade contract and/or purchase order is executed by the CM, the contract between the CM and the University shall be adjusted by an equal amount so that the total contract sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus the base fee for CM Services previously established during Phase II of the CM selection process

7.1.3 Construction Phase Services

The CM shall:

- 1) Enter into direct contracts with all Trade Contractors and Suppliers.
- 2) Assume the responsibility for the overall administration of construction contracts.
- 3) Provide full-time staff throughout construction for the purpose of monitoring, managing, inspecting, scheduling, and coordinating the timely progress, performance, quality and contract compliance of the trade contractors and suppliers.
- 4) Schedule and conduct meetings, as necessary, and prepare and distribute meeting minutes.
- 5) Develop and maintain a detailed construction schedule in accordance with Contract General Conditions Article 32 and Special Conditions Article 11.
- 6) Request pricing, review and negotiate costs, and make recommendations on all necessary changes to the contracts and/or purchase orders. The contract between the CM and the University shall be amended by change order so that the total sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus approved change orders to the trade contracts and purchase orders, plus the base fee previously established and described in Section 7.3.2, Par. 4, Bid and Award Phase Services, above.
- 7) Coordinate construction interfaces, methods, techniques, and sequences. The Design Team is utilizing Building Imaging Modeling (B.I.M.) to coordinate building systems and to help minimize space conflicts. To that end, the selected Construction Management Firm shall also use B.I.M. for coordination of the construction work, for conflict resolution and in conjunction with the design consultants. Any B.I.M. application used must be compatible with Revit Architecture as manufactured by Autodesk.
- 8) Institute and administer requirements and procedures for the electronic review and approvals of all submittals.
- 9) Prepare and administer all cost control procedures, including monthly pay requests, change order logs, etc.. Prepare Budget Cost Summary Reports as required but no less frequently than monthly.
- 10) Coordinate all requirements of project commissioning and close-out procedures including but not limited to: inspections, Owner's orientation and familiarization, training of Owner's personnel, and collection of all electronic close-out documents. Develop with Owner an occupancy schedule.
- 11) Represent the owner, moderate, seek solutions, make recommendations or take other appropriate actions in matters relating in disputes between contractors, work stoppages, labor disputes, or other disruptions that may occur during the construction of this project.
- 12) Develop and maintain electronic systems for reporting and retrieval of project information.

Note: The University intends to conduct a reassessment of the schedule with full participation and agreement of the entire team. Should that effort alter these durations then the CM's Construction Phase Services will be amended accordingly and agreed to prior to start of the construction phase.

7.1.4 Post Construction Phase Services

The CM shall:

- 1) Warrant to the Owner and the Consultant that all materials and equipment furnished under the Trade Contracts and Purchase Orders shall be new and in accordance with the requirements of the contract documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents
- 2) Guarantee that labor, material, and equipment shall be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract.
- 3) Warrant that the work performed under the contract between the CM and the Owner, when completed, will conform to the Contract Documents

7.2 **Optional Services**

N/A

8.0 FINANCIAL OFFER SUMMARY

The **Financial Offer is not required with the first Phase submittal.** It will be requested from the firms that are moved to Phase 2 of the process based on the Evaluation Criteria Process defined in Section 5.0 of this RFP.

provide a lump sum firm fixed fee quotation to perform the Construction Management services required for the design, bidding, construction, and post construction phases of the project.

The “Financial Score” used in the selection process will be based on the “Total Cost for the Project” (see below) although an initial contract will be awarded for Design Phase Services only. Bidding, construction and post-construction phase services will later be added by amendment to the initial contract (also ref. Article 5.0, EVALUATION CRITERIA PROCESS, Phase 2 Step 3).

Design Phase Services (to include detailed cost estimates, constructability and interdisciplinary coordination reviews for each design phase).

\$ _____

Bid and Award Phase Services (The CM shall provide a breakdown estimate for each bid package as determined by the agreed upon master schedule.)

\$ _____

Construction Phase Staffing Services
(based on the Construction Staffing Standardization Matrix)

\$ _____

Construction Phase jobsite general conditions

\$ _____

Bonds

\$ _____

Insurance

\$ _____

Overhead & Profit

\$ _____

Post Construction Phase Services

\$ _____

Total Cost for the Project

\$ _____

8.1 Alternate Pricing

In addition to the above financial offer, the offeror may submit alternative financial proposals, however the information requested above must be supplied and will be used for proposal evaluation purposes.

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FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division

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**GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION BY A
CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division**

These General Conditions are binding upon the Construction Manager and all Sub-contractors as each are subject to the provisions contained herein.

ARTICLE 1 - DEFINITIONS

1.1 Wherever used in these General Conditions or in other Contract Documents, the following terms have the meaning indicated which are applicable to both the singular and plural thereof:

1.1.1 ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) - The term "ASI" means a written order issued by the Consultant that clarifies or interprets the Contract Documents, that orders minor changes in the Work, that does not require an adjustment in either cost or time, and that does not require a Change Order.

1.1.2 BUSINESS DAY – The term "Business Day" means a Calendar Day that is not a Saturday, Sunday or legal holiday in Fayette County, Kentucky.

1.1.3 CALENDAR DAY - The term "Calendar Day" means a day of twenty-four hours measured from midnight to the next midnight

1.1.4 CHANGE ORDER - The term "Change Order" means a written order to the Construction Manager, signed by the Owner and issued after the execution of the Contract, directing a change in the Work or an adjustment in the Contract Amount or the Contract Time. A Change Order may be an agreed change by the Construction Manager and the Owner or it may be a unilateral change by the Owner.

1.1.5 CONSULTANT - The term "Consultant" means the person and/or entity, whether singular or plural, either Architect, Engineer or other Consultant, who is or are identified as such in the Contract Documents.

1.1.6 CONSTRUCTION MANAGER or CONSTRUCTION MANAGER AT RISK (CM) - The term "Construction Manager" or "Construction Manager at Risk" (CM) means the person or entity who will or has entered into a contract with the Owner that assumes the risk for construction of the Project as the construction manager, and who will provide consultation and collaboration regarding the construction during and after design of the Project. The CM shall execute and hold all construction Trade Contracts and Purchase Orders for the Project.

1.1.7 CONTRACT - The term "Contract" means the Contract between Owner and Construction Manager and consists of all Contract Documents as defined in Article 1.1.10 of these General Conditions.

1.1.8 CONTRACT AMOUNT - The term "Contract Amount" means the sum stated in the Agreement which represents the total amount payable by the Owner to the Construction Manager for the performance of the Work under the Contract Documents, plus or minus adjustments as provided for in the Contract Documents or by approved Change Orders.

1.1.9 CONTRACT DOCUMENTS - The "Contract Documents" include the Agreement of Contract between the Owner and the Construction Manager (the "Agreement"); the Request for Proposal; the General Conditions; the Special Conditions; the Construction Manager's Form of

Proposal; the Construction Manager's Bonds; the Specifications, Drawings and Addenda for the construction of the Project which are to be used for bidding of the bid pack/Trade Contracts; and any Change Orders issued after execution of this Contract. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Sub-contractor, or any person or entity other than the Construction Manager. Documents not included or expressly contemplated in this Article do not, and shall not, form any part of the Contract for Construction. Without limiting the generality of the foregoing, shop drawings and other submittals from the Construction Manager or its Sub-contractors and suppliers do not constitute a part of the Contract Documents. Except as otherwise provided, where these Contract Documents obligate the Construction Manager to certain responsibilities or require the Construction Manager to perform certain actions, the Construction Manager may require these same responsibilities and/or actions of one or more Sub-contractors. However, assignment of such responsibilities or actions to one or more Sub-contractors shall not be construed to relieve the Construction Manager of its obligation to the University under this contract.–

1.1.10 CONTRACT TIME - The term "Contract Time", unless otherwise provided, means the specified number of consecutive Calendar Days following the stipulated commencement of the Work as stated in the Work Order, plus or minus adjustments as provided for by approved Change Orders, within which the Construction Manager shall complete the Work required by the Contract and shall achieve certification of substantial and final completion.

1.1.11 KRS REFERENCES - Reference to "KRS" means the "Kentucky Revised Statutes" adopted by the Commonwealth of Kentucky, including all laws that may have been revised, amended, supplemented or new laws enacted.

1.1.12 OWNER - The term "Owner" means the University of Kentucky, a statutory body corporate existing pursuant to Sections 164.100 et seq. of the Kentucky Revised Statutes.

1.1.13 PROJECT - The term "Project" means the total construction of the Work performed under the Contract Documents, which may be the whole or a part, and which may include construction by the Owner or by separate contracts.

1.1.14 PROJECT MANAGER - The term "Project Manager", when used alone, means the Owner's representative responsible for administration and management of the Project. The Owner's Project Manager during construction shall be the designated University of Kentucky Capital Projects Management Project Manager that is in charge of the Project. The term "CM Project Manager" means the individual employed by the Construction Manager who is assigned to the Project to provide overall management during both the design and construction phases of the Project, and who has total responsibility for the successful completion of the Project

1.1.15 PROVIDE - The term "Provide," as used throughout the specifications, shall mean furnish, install and pay for.

1.1.16 SHOP DRAWINGS - The term "Shop Drawings" means drawings, diagrams, schedules, and other data specially prepared for the Work by the Construction Manager or any Sub-contractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

1.1.17 SUBSTANTIAL COMPLETION - The term "Substantial Completion" is the point at which, as certified in writing by the Owner, a project is at the level of completion, in strict compliance with the contract, where (a) necessary approval by public regulatory authorities (and by other authorities having jurisdiction or as identified in Article 11.2, as necessary) has been given; (b) the Owner has received all required warranties and documentation, and (c) the Owner may enjoy beneficial use or

occupancy and may use, operate, and maintain the project in all respects, for its intended purpose. Partial use or occupancy shall not necessarily result in the project being deemed substantially complete and shall not be evidence of Substantial Completion. In order for the Owner to enjoy beneficial use or occupancy and use, operate, and maintain the project in all respects, for its intended purpose, the stage or progress of the Work or a designated portion thereof shall be sufficiently complete, accessible, operable and usable, and all parts, systems and site Work shall be 100% complete, cleaned and available for the Owner's full use without interruption in accordance with the Contract Documents, including but not limited to the provisions of Article 28 of these General Conditions. The Work will not be considered acceptable for Substantial Completion review until all Project systems included in the Work are operational as designed and scheduled, all designated or required governmental inspections and certifications have been made and approvals provided to the Owner, designated instruction of the Owner's personnel in the operation of systems has been completed, and all final finishes within the Contract Documents are in place. In general, the only remaining Work shall be minor in nature so that the Owner and/or the Owner's tenants could occupy the Project on that date and the completion of the Work by the Construction Manager would not materially interfere or hamper the Owner's or the Owner's tenants' normal business operations. As a further condition of Substantial Completion acceptance, the Construction Manager shall certify in writing that all remaining Work, the same being solely of a "punch list" nature, will be completed within thirty (30) consecutive Calendar Days following the date of Substantial Completion.

1.1.17.1 The parties agree that "substantial completion" as defined in Article No. 2 of the Agreement and Article 1 of the General Conditions, as extended by approved Change Order(s) pursuant to Article 18.1 of the General Conditions, shall be the "date of completion specified in the contract" for purposes of KRS. 45A.250(2).

1.1.18 SUB-CONTRACTOR - The term "Sub-contractor" means the person, company, corporation, joint venture or other legal entity with whom the Construction Manager has executed a Contract for a portion of the Work.

1.1.19 WORK - The term "Work" means the scope of construction and services required by the Contract Documents and all approved Change Orders, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Construction Manager to perform and complete the Construction Manager's obligations under the Contract in an expeditious, orderly and workmanlike manner. The Work may constitute the whole or a part of the Project.

1.1.20 WORK ORDER - The term "Work Order" means a written notice by the Owner to the Construction Manager authorizing the Construction Manager to commence Work under the Contract and establishing the beginning date from which the time for Substantial and Final Completion shall be established.

1.1.21 UNIT PRICE - The term "Unit Price" means the amount per unit of measurement for materials or services as described in the bid documents.

ARTICLE 2 - CONSULTANT

2.1 The Consultant will be the Owner's representative during construction and until the Work is complete. The Consultant will advise and consult with the Owner. The Owner's instructions to the Construction Manager may be forwarded through the Consultant.

2.2 The Consultant will regularly, but no less frequently than monthly, visit the site to become familiar with the progress of the Work, the quality of the Work being provided and to determine if the

Work is proceeding in accordance with the Contract Documents. On the basis of these on-site inspections, the Consultant will inform the Owner of the progress of the Work, will advise the Owner of any defects and deficiencies observed in the Work and, when appropriate, will certify to the Owner that the Work in place equals or exceeds the amount requested by the Construction Manager on all applications for progress payments.

2.2.1 If applicable for the Work, the Consultant will verify to the Owner that the Construction Manager is performing erosion prevention and sediment control inspections as required by the Kentucky Division of Water Construction General Permit (KYR10) at least once every 7 days and shall include the findings in the site visit reports.

2.3 The Consultant will be the interpreter of the requirements of the drawings and specifications and any changes made to the drawings and specifications.

2.4 Claims, disputes, and other matters in question that arise relating to the execution or the progress of the Work shall be referred in writing to the Consultant by the Construction Manager. The Consultant will provide a response in accordance with and subject to the provisions of Article 38 of these General Conditions.

2.5 The Consultant will have the authority to reject Work which does not conform to the Contract Documents or to the required level of quality and performance.

2.6 The Consultant will review and approve, or take other appropriate action upon receipt of the Construction Manager's submittals such as Shop Drawings, product data, and samples. The review of submittals will be for general conformance with the design concept of the work, and for compliance with the information provided by the Contract Documents. Such review will not relieve the Construction Manager of any responsibility for errors or omissions in submittals, and will in no way constitute a waiver of or change to the requirements of the Contract Documents.

2.6.1 The Consultant's review and response will be completed with reasonable promptness with a goal of ten (10) business days or less. The Consultant's review of a specific item shall not indicate approval of an assembly of which the item is a component.

2.7 The Consultant will prepare Change Orders for the Owner to direct changes in the Work. Minor changes in the Work, not involving modifications to the contract cost or completion times and that are consistent with the purpose of Work, may be directed by the Consultant through Architect's Supplemental Instructions (ASI).

2.8 When requested by the Construction Manager, the Consultant will conduct inspections to determine if the Project is at the level of completion required by and is in strict compliance with the Contract such that the Owner may enjoy beneficial use or occupancy and may use, operate, and maintain the project in all respects for its intended purpose, as further defined in the Contract. If the level of completion warrants, the Consultant will confirm that all necessary approvals by public regulatory authorities or other authorities having jurisdiction have been given, will confirm that the Owner has received all required warranties and documentation, will recommend dates for certification of Substantial Completion and Final Completion by the Owner, and will complete and submit the Notice of Termination of coverage under the KPDES General Permit for Storm Water Discharges Associated with Construction Activity.

2.9 The Construction Manager will accept direction for the Work on the Project only from the Owner's Project Manager or from the Consultant. Requests for information from the Construction Manager shall be directed to the Consultant.

ARTICLE 3 - CORRELATION AND INTENT OF CONTRACT DOCUMENTS

3.1 Execution of the Contract by the Construction Manager is a representation that the Construction Manager has or shall thoroughly and carefully examine the site of the of Work; shall timely investigate all conditions which can affect the Work or its cost, including but not limited to availability of labor, materials, supplies, water, electrical power, roads, access to the site, uncertainties of weather, water tables, the character of equipment and facilities needed to perform the Work, and local conditions under which the Work is to be performed; and further, that the Construction Manager shall insure that the documents issued for bidding by Sub-contractors reflect the results of this investigation and are adequate to complete the Work. It is the responsibility of the Construction Manager to be familiar with and comply with all Federal, State, and local laws, ordinances, and regulations which might affect those engaged in the Work, and to be familiar with the materials, equipment, or procedures to be used in the Work, or which in any other way could affect the completion of the Work. The Construction Manager shall carefully study and compare the Contract Documents with each other and with other information provided to the Construction Manager by the Consultant or the Owner pursuant to the Contract Documents and shall notify the Owner and the Consultant in writing of any errors, inconsistencies or omissions in the Contract Documents recognized by the Construction Manager. Any failure to properly familiarize itself with the proposed Work shall not relieve the Construction Manager from the responsibility for completing the Work in accordance with the Contract Documents.

3.2 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Construction Manager. All labor or materials which are reasonably inferable from the Contract Documents and which are necessary to produce the desired result, even though not specifically mentioned in the Contract Documents, shall be included in the Work at no additional cost to the Owner.

3.3 In the event a question arises regarding the meaning or intent of the Contract Documents, the Construction Manager shall report it by preparing an RFI in eCommunication[®] to the Consultant. The Consultant shall furnish, with reasonable promptness and with a goal of three (3) business days and by whatever means as may be appropriate, additional instructions necessary for the proper execution of the Work. All such drawings and instructions shall be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom. The Work shall be executed in conformity therewith and the Construction Manager shall do no Work without proper drawings and instructions. Items indicated on drawings as "N.I.C." or "Not In Contract" are shown for explanation purposes only and are not to be included in this Contract.

3.4 The Contract Documents are complementary, and what is required by one shall be binding as if required by all. In case of conflicts between the various documents, the order of precedence will be as follows: (1) Addenda, (2) Special Conditions, (3) General Conditions, (4) Technical provisions of the Specifications and (5) Drawings.

3.5 Any notice to the Construction Manager from the Owner regarding this Contract shall be in writing and delivery and service of such notice shall be considered complete when sent by certified mail to the Construction Manager at Construction Manager's last known address. Such notice may also, at the Owner's election, be hand-delivered to the Construction Manager or the Construction Manager's authorized representative.

ARTICLE 4 - PRE-CONSTRUCTION CONFERENCE

4.1 Following the execution of the Contract, a pre-construction conference will be held. Representatives of the Capital Project Management Division, Consultant, Construction Manager, and all major Sub-contractors shall be present to discuss the time for construction, methods and plan of operation, authority of the Consultant, procedures for handling shop drawings, progress estimates and requests for payments, and other relevant issues. The time and location of this meeting will be the responsibility of the Construction Manager in consultation with the Consultant, Owner and other interested parties.

4.2 Environmental aspects of the project, including erosion prevention and sediment control (EPSC) and storm water management shall be discussed during this conference. The Group shall discuss the Storm Water Pollution Prevention Plan (SWPPP) to ensure that all parties understand the requirements. During this meeting the responsibility for reading the rain gage on a daily basis will be established. The Construction Manager will identify the initial measures to be installed prior to land disturbing activities beginning. Any modifications to the SWPPP due to constructability issues should be discussed at this conference.

ARTICLE 5 - SHOP DRAWINGS

5.1 The Construction Manager shall submit a shop drawing and product sample submittal schedule to the Consultant establishing dates for the submission of Shop Drawings and product samples prior to the submittal of the Construction Manager's first application for payment for construction phase services. The schedule shall have been coordinated with all Sub-contractors and material suppliers as well as the Construction Manager's construction schedule and shall allow for adequate and reasonable time for review of the samples and submittals by the Consultant. The Construction Manager shall be responsible for compliance with the submittal schedule and shall insure that the submittal schedule is maintained in order to accurately reflect the status of processing all required submittals.

5.2 The Construction Manager shall review product samples and Shop Drawings for compliance with the requirements of the Contract Documents, and shall submit them to the Consultant in accordance with submittal procedure and schedule established. The Construction Manager's review and submittal to the Consultant of any Shop Drawing or sample shall constitute a representation to the Owner and Consultant that a) the Construction Manager has determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or assumes full responsibility for doing so, and that b) each Shop Drawing or sample has been reviewed or coordinated with the requirements of the Work and the Contract Documents. Shop Drawings and submittal requirements shall not be deemed satisfied until approvable documents are received by the Consultant. Incorrect or incomplete submittals will be returned to the Construction Manager without action. No claim for additional time or extension of the contract will be considered if such claim is the result of failure by the Construction Manager to provide correct, accurate, complete and approvable submittals.

5.3 The Consultant will review submittals with reasonable promptness, and take appropriate action or return submittals to the Construction Manager for corrections as may be required. The Construction Manager shall make any corrections required by the Consultant for compliance with the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions.

5.4 Where a Shop Drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been accepted in writing by the Consultant. The review and acceptance shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The acceptance of a separate item will not indicate acceptance of the assembly in which the item functions. A copy of each accepted Shop Drawing and product sample shall be kept in good order by the Construction Manager at the site and shall be made available to the Consultant on request.

5.5 The Consultant's acceptance of Shop Drawings or samples shall not relieve the Construction Manager from the responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any acceptance by the Consultant does not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

ARTICLE 6 - LAYING OUT WORK

6.1 The Construction Manager will secure all data at the site of the building such as grades of lot, convenience of receiving and sorting material, location of public services, and other information which will have a bearing proposals or on the execution of the Work and shall address these issues in the preparation of scopes of work for the Subcontract bid packages. No allowance shall be made for failure of the Construction Manager to obtain such site information prior to submitting their proposal or to include such information in the Subcontract bid packages, and no adjustment to the Construction Manager's Contract amount or stipulated time for completion shall be allowed when due to failure by the Construction Manager to do so.

6.2 The Construction Manager shall be responsible for all lines, levels and measurements of all Work executed under the Contract. The Construction Manager shall verify all dimensions before laying out the Work and will be held responsible for any error resulting from failure to do so. Working from lines and levels established by the property survey or by other Contract Documents, and as shown in relation to the Work, the Construction Manager will establish and maintain bench marks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on the site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the bench marks and dependable markers required dimensions as shown (within recognized tolerances if not otherwise indicated), and shall not scale drawings to determine dimensions. The Construction Manager shall advise Sub-contractors and trades persons performing Work of marked lines and levels provided for their use in layout work. The Construction Manager shall verify layout information shown on drawings as required for the Work.

6.3 The Construction Manager shall be responsible for coordination of the installation of all elements of the Work, including preparation of coordination drawings if required by the Contract Documents or deemed necessary by the Construction Manager for performance of the Work.

6.4 If any encroachments are made by the Construction Manager or any Sub-contractor on any adjacent property, the Construction Manager shall, at the Construction Manager's expense, and within thirty (30) Calendar Days after written notice from the Owner or the Consultant, correct any encroachments and obtain approval from the owner of such adjacent property for any encroachments that cannot be feasibly corrected. The Construction Manager shall not be entitled to any adjustment to the Contract Amount or the Contract Time as a result of any such encroachment or the correction thereof.

ARTICLE 7 - PLANS, DRAWINGS, SPECIFICATIONS AND RECORD DRAWINGS

7.1 Unless otherwise provided in the Contract Documents, the Owner will furnish the Construction Manager free of charge one electronic or reproducible copy of the Drawings and Specifications for execution of the Work. The Construction Manager shall pay for the cost of duplication of all sets required over and above this amount.

7.2 The cost of additional plans, specifications and official contract documents for use by Sub-contractors for bidding and for construction shall be borne by the Construction Manager or by the Sub-contractors. Arrangements for orders and payment for plans, specifications and other contract documents must be made with Lynn Imaging, Lexington, Kentucky (<http://www.ukplanroom.com>) or by phone at 1.800.888.0693 or 859.255.1021) before a set of documents will be issued.

7.3 The Construction Manager shall keep one copy of all Contract Documents, including Drawings, Specifications and Shop Drawings on the site and in good order. A qualified representative of the Construction Manager shall record on these documents, from day to day as Work progresses, all changes and deviations from the Contract Documents. Prior to Substantial Completion, the Construction Manager shall complete and turn over to the Consultant the As-Built drawings, with a digital copy (in PDF format) submitted to the Owner simultaneously. The As-Built drawings shall consist of a set of drawings which indicate all field changes that were made to adapt to field conditions, changes resulting from Change Orders and all concealed and buried installations of piping, conduit and utility services. All buried and concealed items, both inside and outside the facility, shall be accurately located on the As-Built drawings as to depth and in relationship to not less than two permanent features such as interior or exterior wall faces. The As-Built drawings shall be clean and all changes, corrections and dimensions shall be given in a neat and legible manner in a contrasting color. For any changes or corrections in the Work which are made subsequent to the Substantial Completion Inspection, revisions shall be made to the As-Built drawings and submitted to the Consultant prior to final payment. Approval of the final payment request shall be contingent upon compliance with these provisions.

7.4 All drawings, specifications and copies thereof, furnished by the Consultant to the Owner, are the property of the University of Kentucky. They shall not be used by the Consultant, Construction Manager, or any Sub-contractor or Supplier on any other Project.

ARTICLE 8 - TEMPORARY UTILITIES

8.1 The Construction Manager shall provide and pay for, unless modified in the Special Conditions, all temporary conveniences including, but not limited to, wiring, lighting, power and electrical outlets, heat, water, and sanitary facilities required for construction. In the event the Owner elects to make available, at no cost to the Construction Manager, the electric power required for construction activities, the electric power supplied shall not be utilized as a means to provide temporary heat or for welding.

8.2 The Construction Manager is responsible for paying all utility costs, whether the costs are from an outside utility company or from the University, for utility services used in the course of completing the Work. The Construction Manager shall provide temporary heating, ventilation, telephones, water, electricity, portable gas, lighting for the Work, safety lighting, security lighting, and trash removal/dumpster service for both Construction Manager and Sub-contractor use during the Project. Work and safety lighting shall be provided continuously during working hours. Security lighting shall be provided at all hours of darkness.

ARTICLE 9 - MATERIALS, EQUIPMENT, APPLIANCES, AND EMPLOYEES

9.1 Unless otherwise provided in the Contract Documents, the Construction Manager shall provide and pay for all materials, labor and personnel, tools, equipment, construction equipment and machinery, utilities, supplies, appliances, transportation, taxes, temporary facilities, licenses, permits and all other facilities and incidentals necessary for the furnishing, performance, testing, start-up and the proper execution and completion of the Work safely, without damage to persons and property, and in compliance with all applicable law. The Construction Manager shall furnish, erect, maintain, and remove at the completion of the Contract, all temporary installations as may be required during the construction period.

9.2 Immediately following the execution of each of the Trade Contracts, the Construction Manager shall determine the source of supply for all materials required under that Trade Contract and the length of time required for their delivery, and shall assure that orders are placed for such materials in sufficient time to assure delivery to the site so that such materials are available to be incorporated into the Work when needed to comply with the schedule of Work.

9.3 The Construction Manager shall immediately notify the Consultant in writing of any known problems with the procurement, fabrication or ordering of any materials. Unless changes are approved in writing by the Consultant, the Construction Manager will not be excused for delays in securing materials specified.

9.4 The Construction Manager or Sub-contractors shall not place purchase orders or issue contracts for materials, supplies, equipment and services necessary to complete this Project using the name of the University of Kentucky. All orders placed by the Construction Manager that are related to this Project must use the name of the Construction Manager or Sub-contractor placing the order. The use of the University of Kentucky's name for ordering purposes is strictly prohibited. Payment for all goods and services required for the completion of the Work is the sole responsibility of the Construction Manager. Any invoices received at the University that are related to this Project will be immediately forwarded to the Construction Manager. Copies of these invoices will be made and placed in the Construction Manager's file and proof must be provided that these invoices have been paid in full prior to the processing of the next scheduled application for progress payment.

9.5 The route for delivery of all materials to the Project shall be coordinated with the Owner's Project Manager.

9.6 The Construction Manager shall be responsible for the proper and adequate storage of materials and equipment. Unless otherwise provided in the Contract Documents, all materials shall be of good quality and new. Workmanship and materials supplied and incorporated into this Work shall be of first quality. The Construction Manager, if required, shall furnish satisfactory evidence as to the kind and quality of materials.

9.7 The Construction Manager shall at all times enforce strict discipline and good order among all employees and Sub-contractors. The conduct of all individuals performing Work or operations related to the Work is the responsibility of the Construction Manager. The consumption of alcohol or drugs on the job by any workers is strictly prohibited. Any individual apprehended under the influence of alcohol or drugs on the premises at any time shall be subject to automatic removal from the Project by the Construction Manager, the Consultant or the Owner. Improper conduct of any kind will not be permitted and may result in the offending individual, Sub-contractor or Construction Manager being barred from the Owner's premises. The Construction Manager shall not permit the employment on the Project of any person unfit or not skilled in the Work assigned.

ARTICLE 10 - ROYALTIES AND PATENTS

10.1 The Construction Manager shall pay all royalties and license fees. If a particular process, product or device is specified in the Contract Documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the Contract Documents and the Construction Manager is responsible for payment of all associated royalties. The Construction Manager hereby agrees to indemnify, defend and hold the Owner, and any subsidiary, parent, or affiliates of the Owner, or other persons or entities designated by the Owner, and their respective directors, officers, agents, employees and designees (collectively, the "Indemnities") harmless from all losses, claims, liabilities, injuries, damages and expenses, including attorneys' fees and legal expenses, that the Indemnities may incur as a result of the Construction Manager's failure to strictly comply with its obligations under this Paragraph 10.1.

ARTICLE 11 - SURVEYS, PERMITS, REGULATIONS, AND STANDARD CODES

11.1 The Owner will furnish only such surveys that are specifically required by the Contract Documents. Approvals, assessments, and easements for permanent structures or permanent changes in existing structures shall be secured and paid for by the Owner, unless otherwise specified. All required utility tap-on fees shall be secured and paid for by the Construction Manager, or included in a Trade Contract, including the Lexington-Fayette Urban County Government (LFUCG) sewer tap-on fee. All construction permits, where required by local ordinances, except excavation permit, shall be obtained by the Construction Manager, but no fee shall be charged to or paid by the Construction Manager as the Owner is exempt from such charges. A Contractor's license fee for doing business in the locale, if applicable, shall be paid for by the Construction Manager.

11.2 All branches of Work shown on the plans and specifications shall be executed in strict compliance with all state and federal regulations and codes, with all national codes, and with the requirements of both ADA and JCAHO when applicable.

11.3 The Contractor, on projects disturbing 1 acre or more, or projects less than 1 acre that are part of a large common development plan, including grading, clearing, excavation, material laydown or other earth moving activities, shall assure full compliance with the requirements of the KYR10 and shall:

11.3.1 File a Notice of Intent (KPDES FORM eNOI-SWCA) with the Kentucky Division of Water and copy the UKCPM Project Manager and Water Quality Manager prior to the start of any excavation, grading or site development work.

11.3.2 The permittee (contractor) shall develop a Stormwater Pollution Prevention Plan (SWPPP) based on the Erosion Prevention and Sediment Control Plan (EPSC) as a minimum design standard. Ensure all requirements of KYR10 are fully addressed in the SWPPP. **Once the SWPPP is written, forward a copy to the Capital Projects Project Manager and to the Water Quality Manager for approval. Work cannot begin until SWPPP is approved and permit coverage obtained.**

11.3.3 Install BMP's such as, basins, traps, drainage, and sediment barriers before beginning land disturbing activities, including the construction entrance/exit. Once prevention measures have been installed, grading can commence. In the event a new construction entrance is added to the site, this new entrance must be built according to the EPSC design details with a wheel wash, a water supply and a sediment catch basin for washed wheel sediment.

11.3.4 Maintain all measures in working condition. Perform maintenance activities identified during inspections prior to the next rain event. Remove sediment from BMPs when 1/3 the storage volume has been filled.

11.3.5 Stabilize disturbed areas within 14 days of inactivity or reaching final grade on any portion of the site according to permit requirements.

11.3.6 Inspect the site every 7 calendar days and after each rainfall of ½" or more. Document site conditions, rainfall, maintenance activities needed and performed, stabilization needed and performed, and where new measures are needed. Discuss deficiencies with UK Project Manager and Water Quality Manager and note on the SWPPP Inspection Sheets.

Per the KPDES Permit, Section 2.1.7. "Inspections – Permittee Conducted". "Inspections shall be performed by personnel knowledgeable and skilled in assessing conditions at the construction site that could impact storm water quality and assessing the effectiveness of erosion prevention measures, sediment control measures, and other site management practices chosen to control the quality of the storm water discharges. Inspectors shall have training in storm water construction management such as Kentucky Erosion Prevention & Sediment Control (KEPSC), Certified Professional in Stormwater Quality (CPSWQ), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), or other similar training."

Inspections shall include a tour of the total site and verification that all BMPs are performing as constructed. Inspector shall certify that all observations are correct as stated and sign and date the inspection form.

11.3.7 Keep Permit, SWPPP, weekly/rain event inspections sheets in binder in construction trailer. Any BMP change/alteration from SWPPP and EPSC plan must be noted on the EPSC and SWPPP.

11.3.8 No soil and sediment shall leave the construction site. BMPs shall be repaired immediately if failure has occurred. No Mud shall be permitted on any street. All entrances/exits shall have a means by which to wash wheels. If an entrance/exit does not have a wheel wash, that exit shall not be used in muddy conditions. If for any reason mud is tracked offsite, the area must be cleaned in such a way as to prevent sediment from entering the storm sewer system. The use of tractor brooms solely will not be permitted.

11.3.9 When it is necessary to dewater an excavation, proper BMPs must be implemented. Dewatering filter bags must be sized and used according to manufacturer's requirements and Standard Operating Procedures for Dewatering Bags.

11.3.10 UK (the MS4) routinely inspects sites for compliance with the EPSC/SWPPP. Any deficiencies noted become record for the Kentucky Division of Water and shall be remedied/installed as soon as site conditions are favorable but no more than 7 days from the inspection date.

11.3.11 At the conclusion of the project and all bare areas, slopes and ditches are 70% vegetated with the permanent ground cover, the contractor shall notify the UK Project Manager and Water Quality Manager and request a final site inspection prior to filing a "Notice of Termination (NOT) with the state. This inspection verifies that Construction BMPs can be removed, and Post-Construction BMPs are in place and functioning.

11.3.12 Failure of the site contractor (permittee of the KPDES Permit) to timely comply with requirements of KPDES, the Construction Manager shall inform the site contractor that a third party contractor shall be retained to remediate all BMP deficiencies immediately, and all third party costs shall be passed to the permittee of the KPDES Permit. Any fines or other costs

resulting from failure to comply, levied against the Owner will be assessed against the Construction Manager's or General Constructor's funds.

11.3.13 Refer to 334000S01 STORM DRAINAGE UTILITIES – Information for Consultants & Contractors.

11.3.14 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard.

11.4 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard

11.5 The Construction Manager shall furnish a final occupancy permit from the proper agency or agencies as required.

11.6 The Construction Manager shall, by provision within each applicable subcontract or by inclusion in the lump sum fee proposed to the Owner, insure the payment of all sales, consumer, use and similar taxes for materials, equipment and supplies incorporated into the Work, by unless otherwise specified in the bid documents.

ARTICLE 12 - PROTECTION OF WORK, PROPERTY, AND PUBLIC

12.1 The Construction Manager shall continuously maintain adequate protection of all Work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract. Except as otherwise covered by Builder's Risk insurance, the Construction Manager shall pay for any damage, injury, or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner. The Construction Manager shall adequately protect adjacent property as provided by law and the Contract Documents.

12.2 In an emergency affecting the safety of life, or of the Work, or of adjoining property, the Construction Manager, without special instruction or authorization from the Consultant or the Owner, is obligated to act to prevent such threatened damage, loss or injury.

12.3 The Construction Manager shall maintain fire protection as required by the Kentucky Building Code. Access to the Project site and surrounding buildings for local fire truck access during construction must be maintained. The Construction Manager shall maintain construction to allow access to new, existing or temporarily relocated standpipes, fire hydrant connections and fire alarm communication panels pursuant to Section 3018.8 of the Kentucky Building Code. If the Construction Manager utilizes the Owner's fire protection equipment, the Construction Manager shall replace any such materials lost, consumed or misplaced during the Contract period. The Construction Manager is responsible for any false alarms caused by dust created in the Work area or dust traveling to areas beyond the Work area due to inadequate dust protection barriers. Should there be a need for any existing or newly installed fire alarm system, or parts of a system that requires service, to be removed from service or disconnected, prior approval must be obtained from the Owner and the Construction Manager shall immediately provide alternate protection such as a fire watch until such systems are returned to full normal operations. When work or service is completed on a disabled fire alarm system, the Owner shall be immediately notified so the system can be placed in service.

12.4 The Construction Manager and Sub-contractors are responsible for the security of their own materials, tools and equipment at the Project site.

12.5 The Construction Manager shall provide to the Owner's Project Manager a key to Construction Manager's field office or job trailer.

ARTICLE 13 - BLASTING

13.1 Blasting is not allowed unless permission is granted in the Special Conditions. Should blasting be allowed by the Special Conditions, it shall be completed in accordance with all laws, regulations, ordinances and instructions contained in the Special Conditions.

ARTICLE 14 - CONSTRUCTION AND SAFETY DEVICES

14.1 The Construction Manager shall provide safety controls for protection of the life and health of employees and visitors. The Construction Manager will utilize precautionary methods for the prevention of damage to property, materials, supplies, and equipment, and for avoidance of work interruptions in the performance of this Contract. In order to provide such safety control, the Construction Manager shall comply with all pertinent provisions of the Kentucky Fire Prevention Code, Kentucky Building Code, Kentucky Labor Cabinet's Division of Occupational Safety and Health Program Construction Standards and Federal Occupational Safety and Health (Construction) Standards that are in effect at the time the Contract is entered into and during the period in which the Contract is to be performed.

14.2 The Construction Manager shall provide a written safety program which includes all pertinent written specialty standards such as, but not limited to, Control of Hazardous Energy Sources (Lockout/Tagout), Hazard Communications Program, First Aid, Blood Borne Pathogen Program, Respirator Use Program and Hearing Conservation Program. The Construction Manager shall require all Sub-contractors to have an effective written safety program or be required to follow the Construction Manager's written safety program.

14.3 The Construction Manager shall maintain an accurate record of and shall report to Kentucky Labor Cabinet's Division of Occupational Safety and Health in the manner and on the forms prescribed by that Division, exposure data and all accidents resulting in death, traumatic injury, or occupational disease. The Construction Manager shall maintain an accurate record of and shall report to the Owner's Project Manager, any damage to property, materials, supplies, or equipment incident to Work under this Contract.

14.4 The Kentucky Labor Cabinet's Division of Occupational Safety and Health may notify the Construction Manager of any noncompliance with the foregoing provisions. The Construction Manager shall, upon receipt of such notice, immediately correct the cited conditions. Notice delivered to the Construction Manager or the Construction Manager's representative at the site of the Work shall be deemed sufficient for this purpose. If the Construction Manager fails or refuses to comply promptly, the Owner may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. Failure or refusal to comply with the order will be grounds for reducing or stopping all payments due under the Contract to the Construction Manager. No part of the construction time lost due to any such stop order shall be cause for, or the subject of a claim for, extension of time or for additional costs or damages by the Construction Manager.

14.5 The Construction Manager or any Sub-contractor shall immediately contact the University of Kentucky's Department of Occupational Health and Safety through the Owner's Project Manager

should they be selected for an inspection by the Kentucky Occupational Safety and Health Compliance Division.

14.6 Compliance with the provisions of the foregoing sections by Sub-contractors shall be the responsibility of the Construction Manager.

14.7 Nothing in the provisions of this Article 14 shall prohibit the U.S. Department of Labor or the Kentucky Department of Labor Division of Occupational Safety and Health from enforcing pertinent occupational safety and health standards as authorized under Federal or State Occupational Safety and Health Standards.

14.8 The Construction Manager shall take all necessary precautions for the safety of employees on the Work, and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed. If the Construction Manager or any Sub-contractor has questions related to the health or safety required by their written safety program, they should contact the Kentucky Labor Cabinet Occupational Safety and Health Program Division of Education and Training. The Construction Manager shall designate a responsible member of the on-site work force as the safety officer and shall report to the Consultant and to the Owner the name of the person selected. The duties of the safety officer include the enforcement of safety regulations.

ARTICLE 15 - HAZARDOUS MATERIALS

15.1 If the Construction Manager encounters material reasonably believed to be or suspected to be asbestos containing material, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the following procedures must be followed:

15.1.1 The Construction Manager shall immediately stop work in the affected area and notify the Owner's Project Manager. The Owner's Project Manager will contact the Owner's Environmental Health and Safety unit to arrange for collection of samples, review of existing data, or other testing necessary to confirm the presence of hazardous materials. The Owner's Project Manager will notify the Construction Manager in writing of the results. Until that notification is received, the Work must not continue in the affected area.

15.1.2 If the material is confirmed to be asbestos, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the Owner will take appropriate action to remove the material before the Construction Manager can continue Work in the affected area.

15.1.3 The Construction Manager shall not be required to perform any Work related to asbestos, lead, polychlorinated biphenyls, or other hazardous material. The Construction Manager is advised that certain classes of building materials (thermal system insulation, sprayed or troweled surfacing materials, and resilient flooring) installed before 1981 are required by law to be treated as asbestos containing until proven otherwise. These presumed asbestos containing materials must not be disturbed without confirmation from the Owner that asbestos is not present.

15.2 The Owner, the Construction Manager, and Sub-contractors will be under the requirements of the OSHA Hazard Communication Standard (29) CFR 1910.1200. The Construction Manager and Sub-contractors must provide their own written Hazard Communication Program. The Hazard Communication Standard must include: (1) A list of the hazardous chemicals to which the Construction Manager's employees may be exposed; (2) Statement of the measures that Construction Manager's employees and Sub-contractors may take to lessen the possibility of exposure to the

hazardous materials; (3) The location of and access to the Material Safety Data Sheets (MSDS's) related to the hazardous chemicals located in the Work area; (4) Procedures that the Construction Manager's employees and Sub-contractors are to follow if they are exposed to hazardous chemicals above the Permissible Exposure Limit (PEL). Material Safety Data Sheets may be reviewed upon request by the Construction Manager or any Sub-contractor as they pertain to the Work areas of the Project. Photocopies of the MSDS's may be made by Construction Manager at its expense.

15.3 The Construction Manager and Sub-contractors shall provide the Owner with a list of any hazardous materials that will be used on the job site. The Construction Manager and Sub-contractors shall provide the Owner with copies of Material Data Sheets for all such materials to be used.

15.4 It is the policy of the Owner that PCB containing equipment will be treated by the Construction Manager and the Owner in a manner that conforms to the intent of all applicable laws and regulations (primarily 40 CFR Part 761). The following procedures shall be followed by the Construction Manager and Sub-contractors while present on the Owner's Project or other property: (1) Only authorized, trained personnel may inspect, repair, or maintain PCB transformers; and (2) No combustible materials may be stored within a PCB transformer room or within five meters of a PCB transformer. Such materials include, but are not limited to, paints, solvents, plastic, paper, and wood. The Construction Manager shall not use rooms containing PCB transformers for storage rooms, staging areas, job site offices or break rooms. Violation of this policy may be grounds for dismissal of the offending Construction Manager and/or Sub-contractor from the Project. All PCB transformers at the University of Kentucky are identified by a PCB label as defined in federal regulations. If the Construction Manager should have a question as to the location of a PCB transformer, it should contact the Owner's Project Manager.

15.5 The Construction Manager shall ensure that NO asbestos-containing materials (including but not limited to: drywall, joint compound, roof mastic or floor tile adhesive) will be install on any University project without prior written approval of the University's Environmental Health and Safety Division. Additionally, the Construction Manager shall submit MSDS sheets and have prior approval before installing any materials that contains hazardous substances or could pose an environmental hazard. If any environmental hazardous materials are installed without written approval of the University, the Construction Manager will be responsible for all material replacement cost, all removal and all other associated damages. Any materials removed shall be taken out in accordance with all applicable federal, state and local regulations.

ARTICLE 16 - INSPECTION OF WORK

16.1 Inspections, tests, measurements or other acts of the Consultant are for the sole purpose of assisting the Consultant in determining if the Work, materials, rate of progress, and quantities comply with the Contract Documents. These acts or functions shall not relieve the Construction Manager from performing the Work in full compliance with the Contract Documents, nor relieve the Construction Manager from any of the responsibility for the Work assigned to it by the Contract Documents. No inspection by the Consultant shall constitute or imply acceptance. Approval of material is general and shall not constitute waiver of the Owner's right to demand full compliance with Contract Documents.

16.2 All Work completed and all materials incorporated for the Project are subject to inspection by the Owner, the Consultant or their representatives to determine conformance with the Contract Documents. The Owner, Consultant and their representatives shall at all times have access to the Work whenever it is in preparation or progress. The Construction Manager shall provide, at no additional cost to the Owner, any facilities necessary for sufficient and safe access to the Work to complete any inspections required. The Consultant shall be given timely notification in order to

arrange for the proper inspections to be performed on any Work outside of the normal working day or week. If the Consultant provides the Construction Manager with a list of construction milestones that require inspection, the Construction Manager shall provide the Consultant with at least five (5) Business Days written notice prior to the commencement of Work with respect to such milestone in order to permit the Consultant time to coordinate an inspection of the commencement of the applicable Work.

16.2.1 Normal Work hours are defined as a period between 7:00 a.m. and 5:00 p.m. Monday through Friday. The Construction Manager shall notify the Owner's Project Manager at least one working day prior to performance of any Work for permission to do any Work during non-normal Work hours.

16.3 If the Specifications, the Consultant's instructions, laws, ordinances, or any public authority require any Work to be specially inspected, tested or approved, the Construction Manager shall give the Consultant timely notice of the readiness of the Work for inspection. The Consultant shall promptly make all required inspections. If any portion of the Work should be covered contrary to the request of the Consultant, or to the requirements specifically expressed in the Contract Documents, the Work must be uncovered for inspection and observation and shall be uncovered and replaced at the Construction Manager's expense.

16.4 If any other portion of the Work has been covered, which the Consultant has not specifically requested to observe prior to being covered, the Consultant, with the Owner's approval, may request to see such Work and it shall be uncovered by the Construction Manager. If such Work is found to be in accordance with the Contract Documents, the cost of uncovering and replacement shall be charged to the Owner by appropriate Change Order. If such uncovered Work is not in accordance with the Contract Documents, the Construction Manager shall pay all costs for uncovering and replacement of such Work.

ARTICLE 17 - SUPERINTENDENT - SUPERVISION

17.1 The Construction Manager shall completely and thoroughly direct and superintend the Work in accordance with the highest standard of care for the Construction Manager's profession so as to ensure expeditious, workmanlike performance in accordance with requirements of the Contract Documents. Except as otherwise dictated by specific requirements of the Contract Documents, the Construction Manager shall be solely responsible for and have control over all construction means, methods, techniques, sequences and procedures. The Construction Manager shall be responsible for the acts and omissions of all Sub-contractors and persons directly or indirectly employed by the Construction Manager in the completion of the Work. The Construction Manager shall be responsible for coordinating and scheduling all portions of the Work unless the Contract Documents give other specific instructions. The Construction Manager shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by the activities of the Consultant in the administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Construction Manager.

17.2 The Construction Manager shall have a competent superintendent on the Project site at all times during the process of the Work. The superintendent shall have authority to act on the Construction Manager's behalf with regard to all aspects of performance of this Contract. The superintendent shall have such assistants with individual specialized competencies as may be necessary to fully understand and oversee all aspects of the Work. The Construction Manager shall also provide administrative, supervisory and coordinating personnel required to fully perform the Work and for interfacing the Work with other work of the Project. The superintendent and all assistants shall be physically fit for their work and capable of going to all locations where Work is being performed. A communication given to the superintendent shall be binding on the Construction

Manager. Immediately after the award of Contract, the Construction Manager shall submit to the Consultant a list of Construction Manager's employees and consultants, including names, positions held, addresses, telephone numbers and emergency contact numbers.

17.3 The superintendent assigned shall not be changed except under the following circumstances: (1) Where the superintendent ceases to be employed by the Construction Manager, in which case the Construction Manager shall give timely written notice to the Owner of the impending change of the superintendent and a reasonable explanation for the change; or (2) Where the Owner or the Consultant have reasonable grounds for dissatisfaction with the performance of the superintendent and give written notice to the Construction Manager of the grounds. In either case, the Construction Manager shall obtain prior written approval from the Owner of the qualifications of the proposed replacement superintendent. Such prior approval will not be unreasonably withheld.

17.4 If the Owner or Consultant determines that the superintendent is not performing, or is incompetent to perform the required Work, the Owner may direct the Construction Manager to remove the superintendent from the Project and replace the superintendent with an employee who has the necessary expertise and skills to satisfactorily perform the Work.

ARTICLE 18 - CHANGES IN THE WORK

18.1 The Owner, at any time after execution of the Contract, may make changes within the general scope of the Contract or issue additional instructions, require additional Work, or direct the deletion of Work. The Owner's right to make changes shall not invalidate the Contract or relieve the Construction Manager of any obligations under the Contract Documents. All such changes to the Work shall be authorized in writing by Change Order and shall be executed under the conditions of the Contract Document. Any adjustment of the Contract Amount or Time of Completion, as may be appropriate, shall be made only at the time of ordering such change. Change order proposals based on a reservation of rights, whether for additional compensation to be determined at a later date or for an extension of time to be determined at a later date, will not be considered for approval and shall be returned to the Construction Manager without action.

18.2 The cost or credit resulting from a change in Work shall be determined in one or more of the following ways:

18.2.1 By unit prices named in the Contract or additional unit prices subsequently agreed upon;

18.2.2 By agreement on a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

18.2.3 By an amount agreed upon by the Construction Manager and the Owner as a mutually acceptable fixed or percentage fee.

18.3 All lump sum proposals shall include a detailed cost breakdown satisfactory to the Consultant and to the Owner for each component of Work indicating both labor and material costs. This cost breakdown shall be submitted to the Consultant promptly and with a goal of seven (7) Calendar Days or less after receipt of the proposal request.

18.3.1 In computing labor costs, the hourly labor rates shall not exceed a mutually agreeable combined hourly labor rate plus fringe benefits negotiated with the Owner based on a presentation of acceptable documentation by the CM. For the purposes of this Article, the term "fringe benefits" shall mean those funds transferred irrevocably to a third party for payment/distribution. In addition,

there may be added by the Sub-contractor an amount agreed upon, but not to exceed ten percent (10%) of the actual cost, for overhead and profit.

18.3.2 The CM is entitled to a mark-up for bonds and insurance on all change orders. For change orders coded “End User Requested Changes” or “Other Owner Requested Changes” the CM may add overhead & profit in addition to the bonds and insurance referenced above. The mark-ups shall not exceed the combined percentage for overhead and profit, bonds, and insurance stated in the CM’s “Financial Proposal Summary”. These mark-ups will not be added to the individual change orders but will be reconciled by amendment at the completion of the project and/or on an annual basis for those projects exceeding 12 months in duration.

18.4 If none of the above methods are mutually agreed upon or if the Construction Manager does not respond promptly, a change may be made by unilateral determination by the Owner and/or the Consultant of reasonable costs or savings attributable to the change, including a reasonable allowance for overhead and profit. If this method is utilized, the Construction Manager shall promptly proceed with the Work involved in the change upon receipt of a written order signed by the Owner. In such case, the Construction Manager shall keep and present an itemized accounting of labor, equipment, material and other costs, in such form as may be prescribed by the Consultant.

18.5 In all cases where Change Orders are determined by unit prices set forth in the Contract Documents, no amount is to be added for additional overhead and profit.

18.6 The Construction Manager shall keep and present in such form as the Consultant may direct, a correct account of all items comprising the net cost of such Work, together with vouchers. The determination of the Consultant and/or the Owner shall be final upon all questions of the amount and cost of extra Work and changes in the Work, and it shall include in such cost, the cost to the Construction Manager of all materials used, the cost of all labor (including social security, old age and unemployment insurance, fringe benefits to which the employee is entitled, and Workers Compensation insurance), and the fair rental of all machinery used upon the extra Work, for the period of such use, which was upon the Work before or which shall be otherwise required by or used upon the Work before or after the extra Work is done. If the extra Work requires the use of machinery not already on the Project site, or to be otherwise used upon the Work, then the cost of transportation of such machinery to and from the Project site shall be added to the fair rental value. Transportation costs shall not be allowable for distances exceeding one hundred (100) miles.

18.7 The Construction Manager shall not include or allow to be included in the cost of change in the Work any cost or rental of small tools, or any portion of the time of the Construction Manager or the superintendent, or any allowance for the use of capital, or for the cost of insurance or bond premium or any actual or anticipated profit, or job or office overhead. These items are considered as being covered under the added amount for general overhead addressed in Article 18.3

18.8 The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

18.9 Pending final determination of value, partial payments on account of changes in the Work may be made on recommendation of the Consultant. All Change Orders shall be in full payment and final settlement of all claims for direct, indirect and consequential costs, including all items covered and affected. Any such claim not presented by the Construction Manager for inclusion in the Change Order shall be waived.

18.10 The Consultant may authorize minor changes in the Work which do not involve additional cost or extension of the Contract Time, and which are not inconsistent with the intent of the Contract

Documents. Such changes shall be made by an ASI issued by the Consultant, and shall be binding on the Owner and the Construction Manager. The Construction Manager shall carry out such orders promptly. If the Construction Manager should claim that an ASI involves additional cost or delay to the completion of the Work, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after receipt of the written ASI. If this notification does not occur, the Construction Manager shall be deemed to have waived any right to claim or adjustment to the contract sum or to the contract completion time.

18.10.1 If the Construction Manager claims that any instructions by the Consultant involve additional cost or time extension, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after the receipt of such instructions and before proceeding to execute the change in Work. The written notice shall state the date, circumstances, whether a time extension will be requested, and the source of the order that the Construction Manager regards as a Change Order. Unless the Construction Manager acts in accordance with this procedure, any oral order shall not be treated as a change and the Construction Manager hereby waives any claim for an increase of the Contract amount or extension of the contract time.

18.11 Requests for extension of time related to changes in the Work shall be submitted in accordance with the requirements of Article 21 of these General Conditions.

18.12 Prior to final payment, the Construction Manager shall provide to the Owner a full accounting of executed change orders by and between the Construction Manager and the Trade Contracts. The Construction Manager shall also provide a reconciliation of that accounting against the executed change orders by and between the Owner and the Construction Manager.

ARTICLE 19 - RULES AND MEASUREMENTS FOR EXCAVATION

19.1 If applicable, the following Rules and Measurements shall apply to the use of Unit Prices for the excavation portion of the Work:

19.1.1 Except as provided in this Article 19 for arbitrary measurements, the quantity of excavation shall be its in-place volume before removal.

19.1.2 No allowance will be made for excavating additional material of any nature taken out for the convenience of the Construction Manager beyond the quantity computed under these "Rules and Measurements."

19.1.3 The quantities of excavation shall be computed from instrument readings taken by the Consultant's representative in vertical cross sections located at such intervals that will assure accuracy.

19.1.4 "Trench Excavation" for pipes shall arbitrarily be assumed to be two feet (2') wider than the outside diameter of the pipe barrel and with sides vertical.

19.1.5 The quantities shall be computed from plan size, or if there are no drawings, from actual measurements of the Work in place.

19.1.6 Each unit price shall cover, among other things, engineering (surveying) costs and keeping excavating dry.

19.1.7 Earth excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surface of the ground to the neat lines of the bottom of the structure.

19.1.8 Rock excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surfaces of the rock to the neat lines of the bottoms of the structures or the actual elevation of the rock ledge.

19.1.9 Rock excavation for pipelines trenches, unless otherwise provided for in the Specifications, shall be measured as follows: An arbitrary width of 18 inches plus the nominal diameter of the pipe multiplied by the depth from the surface the rock to six (6) inches below the invert for pipe 24 inches in diameter or less and eight (8) inches below the invert for all pipe greater than 24 inches in diameter. No additional compensation will be allowed for excavation for bell holes, gates or other purposes. The measurement of rock excavation for manholes shall be in accordance with Section 19.1.8 above.

19.1.10 Unclassified excavation shall be measured in the same manner as earth excavation.

ARTICLE 20 - CONCEALED CONDITIONS

20.1 The Contract Drawings show the approximate location of the existing and new utility lines. These lines have been identified and located as accurately as possible using available information. The Construction Manager is responsible for verifying all actual locations. If utilities require relocation or rerouting that is not shown or indicated to be relocated or rerouted, the Construction Manager shall contact and cooperate with the Consultant to make the required adjustments. Any request for change in the Contract Amount by the Construction Manager shall be made pursuant to Article 18 of the General Conditions.

20.2 If any charted or uncharted utility service is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the Construction Manager shall work continuously to restore service to the satisfaction of the Owner.

20.2.1 If any charted utility service, or any uncharted utility service the existence of which could have been discovered by careful examination and investigation of the site of the Work by the Construction Manager, is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the entire cost to restore service to the satisfaction of the Owner shall be paid by the Construction Manager. Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the work/repairs completed and the cost of such work/repairs deducted from the monies due or to become due to the Construction Manager pursuant to Article 22 of the General Conditions.

20.3 The Construction Manager shall promptly, but in no case more than ten (10) Calendar Days from the time of discovery, and before the conditions are disturbed, notify Consultant in writing of:

20.3.1 Subsurface or latent physical conditions or any condition encountered at the site which differ materially from those indicated in the Contract Documents and which were not known by Construction Manager or could not have been discovered by careful examination and investigation of the site of the proposed Work;

20.3.2 Unknown and unexpected physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered in the locale or generally recognized as inherent in the Work provided for in this Contract or,

20.3.3 Concealed or unknown conditions in an existing structure which are at variance with the conditions indicated by the Contract Documents, which are of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, and which were not known by the Construction Manager and could not have been discovered by careful examination and investigation of the site of the Work.

20.4 The Consultant shall promptly investigate the conditions discovered. If the Consultant finds that conditions, which are materially different from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, were not known by the Construction Manager, and could not have been discovered by careful examination and investigation of the site of the Work, have caused or would cause a material increase or decrease in the Construction Manager's cost of construction or the time required for performance of any part of the Work under this contract, the Consultant will recommend and the Owner will make an equitable adjustment in the Contract Amount and/or the time allotted for performance in the Contract Documents. Failure by the Construction Manager to provide written notice to the Owner of such claims for additional compensation or time for performance within ten (10) Calendar Days of discovery of such conditions shall constitute a waiver by the Construction Manager of the right to make such claims. The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

20.5 If the Consultant determines that changed conditions do not exist or are not materially different and no adjustment in the Contract Amount or time is warranted, the Construction Manager shall continue performance of the Contract as directed by the Consultant. No claim by the Construction Manager under this clause shall be allowed unless the required written notice is given and the Consultant is given adequate opportunity to investigate the conditions encountered prior to disturbance. The failure of the Construction Manager to give the Consultant proper notice of a differing site condition shall not affect the Owner's right to an equitable adjustment of the contract price or time if there is a decrease in the Contract Amount or time required to perform the Work.

ARTICLE 21 - DELAYS AND EXTENSION OF TIME

21.1 It is agreed that time is of essence for each and every portion of this Contract and where additional time is allowed for the completion of the Work or any part of the Work under this Contract, the new time limit fixed by such time extension shall be of the essence of this Contract. An extension of time shall not be cause for extra compensation under this Contract, except as set forth in Article 21.10 below.

21.2 The Construction Manager will, subject to the provisions of Articles 21.7, 21.8 and 21.9 below, be granted an extension of time and/or relief from liquidated damages when the delay in completion of the Work is due to:

21.2.1 Any preference, priority, or allocation order duly issued by the government;

21.2.2 Unforeseeable causes beyond the control and without the fault or negligence of the Construction Manager including, but not limited to, acts of God, or of the public enemy, acts of the Owner, acts of another contractor in the performance of a contract with the Owner, floods, epidemics, quarantine restrictions, strikes, and freight embargoes.

21.2.2.1 For such delays which stop all work on the Project for thirty (30) Calendar Days or more, the Construction Manager shall be authorized at its discretion to remove its people from the site and return when the normal progress of the work may continue.

21.2.3 Regardless of the cause of a delay, the Construction Manager shall expend all reasonable effort to mitigate the impact of any delay.

21.2.4 Requests for additional time due to delays in transportation or due to failures of suppliers shall not be considered for approval.

21.3 Requests for extensions of time and/or relief from liquidated damages, except for weather related claims, shall be made in writing not later than ten (10) Calendar Days after the beginning of the delay. Requests for extension of time or relief from liquidated damages shall be stated in numbers of whole Calendar Days.

21.4 Except as otherwise provided in the Contract Documents, extensions of the contractually required completion dates may be granted for unusually bad weather on the Project. Unusually bad weather as used herein means daily temperature or precipitation that exceeds the normal weather recorded and expected for the locality and/or the season or seasons of the year. For the purposes of this contract, it is mutually agreed that the following chart accurately defines the number of days in each month on which bad weather can reasonably be anticipated to impact weather dependent construction operations, and the Construction Manager shall anticipate this normal seasonal weather in the development of the Project baseline schedule.

Mean Number of Days When	Jan.	Feb	Mar	Apr.	May	Jun	Jul.	Aug	Sept.	Oct	Nov.	Dec.
Max Temp 32° or Below	9	6	1	0	0	0	0	0	0	0	1	5
Precip. Is 0.10 Inch or Greater	7	6	9	7	8	8	8	6	5	5	7	7

For the purpose of this Contract, “unusually bad weather” shall be interpreted as either 1) those days in a given month on which rainfall was 0.10 inch or more that exceed the number of days shown in the row for “Precip” or 2) those days in a given month on which maximum temperature was 32 degrees F or below that exceed the number of days shown in the row for “Max Temp”, whichever is greater.

21.4.1 Requests for extension of time due to unusually bad weather that could not reasonably have been anticipated at the time of execution of the Contract shall be made in writing not later than the tenth calendar day of the month following the month in which the delay occurred.

21.4.2 Requests for an extension of time due to unusually bad weather shall be considered for approval only if it is shown that a) the unusual weather event delayed work on a specific weather dependent activity or activities that had been planned to be underway on the date(s) on which the weather event occurred, as shown in the most recent update to the Project schedule that had been submitted to the Owner prior to the date of the event, and b) only if the delay to that activity or activities is shown to be the proximate cause of a corresponding delay to the contractually required completion dates for the Project shown in the most recent update to the Project schedule. The actual dates on which the delay(s) occurred must be stated and the specific activities that were directly impacted must be identified. In the event of concurrent delays, only those activities actually

impacting contractually required completion dates will be considered in evaluating the merit of a delay request. Time extensions will not be considered if such adjustments do not exceed the total or remaining “float” associated with the impacted activities at the time of delay as shown in the most recent update to the Project schedule, nor for concurrent delays not caused by the Owner.

21.4.3 In anticipation of the possibility of delay due to unusually bad weather, the Construction Manager shall identify those activities in the baseline schedules, and those activities subsequently added to updated schedules, that might reasonably be expected to be delayed by such weather.

21.4.4 Delays caused by unusually bad weather shall be incorporated in the Project schedule when the schedule is next updated by showing actual dates and/or percent complete for those activities that were impacted by the unusually bad weather as well as the effects of any effort to mitigate such delays. When claims are submitted for time extensions resulting from more than one occurrence of unusually bad weather during a month, the Project schedule shall be updated to reflect such separate events sequentially so that the impact of each subsequent occurrence is shown on an adjusted Project schedule that includes all prior claims for additional time.

21.5 In addition to the requirements of Article 21.7 and Article 21.8 below, any request for an extension of time for strikes or lockouts shall be supported by a written statement of facts concerning the strike including, but not limited to, the dates, the craft(s) affected, the reason for the strike, efforts to resolve the dispute, and efforts to minimize the impact of the strike on the Project.

21.6 Approval of time extensions for changes in the Work will depend upon the extent, if any, to which the changes cause delay in the completion of the various elements of construction. The Change Order granting the time extension may provide that the Contract Time will be extended only for those specific elements so delayed and that other Work will not be altered.

21.7 The Contract Time will only be adjusted for causes specified above. Extensions of time will only be approved if the Construction Manager provides justification supported by the Project schedule or other acceptable data that 1) such changes are, in fact, on the critical path and extend the contractually required completion dates, and 2) the Construction Manager has expended all reasonable effort to minimize the impact of such changes on the construction schedule. No additional extension of time will be granted subsequently for claims having the basis in previously approved extensions of time.

21.8 In support of requests for an extension of time not caused by unusual inclement weather, and concurrently with the submittal of any such request, the Construction Manager shall submit to the Consultant and the Owner a written impact analysis showing the influence of each such event on contractually required completion dates as shown in the updated Project schedule most recently submitted to the Owner prior to the event. The analysis shall include a partial network diagram showing a sequence of new or revised activities and/or durations that are proposed to be added to the existing schedule including related logic (a “fragnet”). This impact analysis and the fragnet shall include the new activities and/or activity revisions proposed to be added to the existing schedule and shall demonstrate the claimed impact on the critical path and the contractually required completion dates. The Construction Manager will not be granted an extension of time and/or relief from liquidated damages when the delay to completion of the work is attributable to, within the control of, or due to the fault, negligence, acts, or omissions of the Construction Manager and/or the Construction Manager’s contractors, subcontractors, suppliers, or their respective employees and agents. Time extensions will not be considered in the event such adjustments do not exceed the total or remaining “float” associated with the impacted activities at the time of delay, nor for concurrent delays not caused by the Owner. In the event of concurrent delays, only that event actually impacting contractually required completion dates will be considered in adjusting the schedule and evaluating the merit of a

delay claim. Requests for an extension of time which are not supported by this information shall not be considered for approval.

21.9 Approved extensions of time not caused by unusual inclement weather shall be incorporated in a revised schedule at the time of approval. No subsequent requests for time extension will be considered unless all previous approved time extensions have been incorporated in the Project schedule on which the requests are based.

21.10 Except as provided for in Article 21.10.1 through 21.10.3 below, no payment or compensation shall be made to the Construction Manager and extensions of the time fixed for completion of the Contract shall be the Construction Manager's sole remedy for any and all delays, hindrances, obstructions or impacts in the orderly progress of the Work.

21.10.1 In addition to the provisions of Articles 18.3 and 18.3.1 above, and subject to the requirements of Article 21.8 and 21.8.1 above, if the Owner orders changes to the scope of Work for the Project that extend the then current contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs associated with such delay.

21.10.2 If delays, hindrances, impacts or obstructions of the Construction Manager's performance of the Contract are in whole or in part within the control of the Owner and, subject to the requirements of Article 21.8 and 21.8.1, extend contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs for that portion of the costs caused by acts or omissions of the Owner.

21.10.3 Such reimbursements shall not include consequential or similar damages, exemplary damages, damages based on unjust enrichment theory, formula based delay claims, or any element of home office overhead.

ARTICLE 22 - CORRECTION OF WORK BEFORE FINAL PAYMENT

22.1 The Construction Manager shall promptly remove from the site and replace any material and/or correct any Work found by the Consultant to be defective or that fails to conform to the requirements of the Contract, whether incorporated in the Work or not, and whether observed before or after Substantial or Final Completion. The Construction Manager shall bear all costs of removing, replacing or correcting such Work or material including the cost of additional professional services necessary, and the cost of repairing or replacing all Work of separate contractors damaged by such removal or replacement.

22.2 The Consultant will notify the Construction Manager and the Owner immediately upon its knowledge that additional services will be necessary. The Owner may consent to accept such nonconforming Work and materials with an appropriate adjustment in the Contract Amount. Otherwise, the Construction Manager shall promptly replace and re-execute the Work in accordance with the Contract Documents and without expense to the Owner and shall bear the expense of making good all work of other contractors destroyed or damaged by such removal or replacement. If the Construction Manager fails to commence and continue to correct non-conforming Work within a reasonable time as determined by the Consultant, the Owner may without limitation of other rights available to the Owner and without prejudice to other remedies, take any necessary action to make the necessary corrections. If the Owner makes required corrections for non conforming Work or materials, a Change Order will be issued reflecting an equitable deduction from the Contract Amount. This amount will be deducted from payments due to the Construction Manager or, if no additional

payments are due, Construction Manager or the Construction Manager's surety shall be responsible for payment of this amount.

ARTICLE 23 - CORRECTION OF WORK AFTER FINAL PAYMENT

23.1 Neither the final certificate of payment nor any provisions in the Contract Documents shall relieve the Construction Manager of responsibility for materials and equipment incorporated into the Work that fails to meet specification requirements, or for the use of faulty materials or poor quality workmanship. If within one year after the date of Substantial Completion of the Work or designated portion thereof, any of the Work is found to be defective or not in accordance with the requirements of the Contract Documents, the Construction Manager shall correct it promptly after receipt of written notice from the Owner to do so. The Construction Manager shall correct any defects due to these conditions and pay for any damage to other Work resulting from their use. Nothing contained in this clause shall be construed to establish a period of limitation with respect to any obligation of the Construction Manager under the Contract including, but not limited to, warranties. The obligation of the Construction Manager under this section shall be in addition to and not in limitation of any obligations imposed by special guarantees or warranties required by the Contract, given by the Construction Manager, or otherwise recognized or prescribed by law.

23.2 In addition to being responsible for correcting the Work and removing any non-conforming Work or materials from the job site, the Construction Manager shall bear all other costs of bringing the affected Work into compliance with the Contract requirements. This includes costs of any required additional testing and inspection services, Consultant's services, and any resulting damages to other property or to work of other contractors or of the Owner.

23.3 If the Construction Manager fails to correct nonconforming Work within a reasonable time as determined by the Consultant, the Owner may take necessary actions to make the necessary corrections. If the Owner makes required corrections for nonconforming Work or materials after Final Payment to the Construction Manager, the Owner shall be entitled to recover all amounts for such corrections, including costs and attorney's fees, from Construction Manager or surety.

ARTICLE 24 - TERMINATION OF CONTRACT FOR CONVENIENCE OF OWNER

24.1 The Owner, by written notice to the Construction Manager, may terminate this Contract in whole or in part when it is in the interest of the Owner, at the sole discretion of the Owner. In such case, the Construction Manager shall be paid for all Work in place and a reasonable allowance for profit and overhead on Work done, provided that such payments shall not exceed the total Contract price as reduced by the value of the Work as yet not completed. The Construction Manager shall not be entitled to profit and overhead on Work not performed.

ARTICLE 25- OWNER'S RIGHT TO STOP WORK

25.1 If the Construction Manager fails to correct defective Work as required, or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner by written notice may order the Construction Manager to stop the Work or any portion of the Work until the cause for the order has been eliminated to the satisfaction of the Owner. The Consultant may stop Work without written notice for 24 hours whenever in its professional opinion such action is necessary or advisable to insure conformity with the Contract Documents. The Construction Manager shall not be entitled to an adjustment in the Contract Time or Amount under this clause in the event such stoppages are determined to be the fault of the Construction Manager or its Sub-contractor(s). The right of the Owner or Consultant to stop Work shall not give rise to a duty on the part of the Owner or Consultant to exercise this right for the benefit of the Construction Manager or others.

ARTICLE 26 -TERMINATION OF CONTRACT FOR DEFAULT ACTION OF CONSTRUCTION MANAGER

26.1 In addition to its rights under Articles 24 and 25, the Owner may terminate the contract upon the occurrence of any one or more of the following events:

26.1.1 If the Construction Manager refuses or fails to prosecute the Work (or any separable part thereof) with such diligence as will insure its completion within the agreed upon time; or if the Construction Manager fails to complete the Work within such time;

26.1.2 If the Construction Manager is adjudged a bankrupt or insolvent, or makes a general assignment for the benefit of creditors, or if the Construction Manager or a third party files a petition to take advantage of any debtor's act or to reorganize under the bankruptcy or similar laws concerning the Construction Manager, or if a trustee or receiver is appointed for the Construction Manager or for any of the Construction Manager's property on account of the Construction Manager's insolvency, and the Construction Manager or its successor in interest does not provide adequate assurance of future performance in accordance with the Contract within ten (10) days of receipt of a request for assurance from the Owner;

26.1.3 If the Construction Manager repeatedly fails to supply sufficient qualified supervision of the work, or repeatedly fails to ensure that Sub-contractors supply adequate supervision, suitable materials or equipment, or adequate numbers of skilled workmen and supervision to the Work;

26.1.4 If the Construction Manager repeatedly fails to make prompt payments to Sub-contractors or suppliers at any tier, or for labor, materials or equipment;

26.1.5 If the Construction Manager disregards laws, ordinances, rules, codes, regulations, orders or similar requirements of any public entity having jurisdiction;

26.1.6 If the Construction Manager disregards the authority of the Consultant or the Owner;

26.1.7 If the Construction Manager performs Work which deviates from the Contract Documents, and neglects or refuses to correct rejected Work; or

26.1.8 If the Construction Manager otherwise violates in any material way any provisions or requirements of the Contract Documents.

26.2 Once the Owner determines that sufficient cause exists to justify the action, the Owner may terminate the Contract without prejudice to any other right or remedy the Owner may have, after giving the Construction Manager and its Surety three (3) Calendar Days notice by issuing a written Declaration of Default. The Owner shall have the sole discretion to permit the Construction Manager to remedy the cause for the contemplated termination without waiving the Owner's right to terminate the Contract.

26.3 In the event that the Contract is terminated, the Owner may demand that the Construction Manager's Surety take over and complete the Work on the Contract. The Owner may require that in so doing, the Construction Manager's Surety not utilize the Construction Manager in performing the Work. Upon the failure or refusal of the Construction Manager's Surety to take over and begin completion of the Work within twenty (20) Calendar Days after the demand, the Owner may take over the Work and prosecute it to completion as provided below.

26.3.1 In the event that the Contract is terminated and the Construction Manager's Surety fails or refuses to complete the Work, the Owner may take over the Work and prosecute it to completion in accordance with the laws of the Commonwealth, by contract or otherwise, and may exclude the Construction Manager from the site. The Owner may take possession of the Work and of all of the Construction Manager's tools, appliances, construction equipment, machinery, materials, and plant which may be on the site of the Work, and use the same to the full extent they could be used by the Construction Manager, without liability to the Construction Manager. At the Owner's sole discretion, the Owner has the right to take assignment of any or all portions of the contract work in order to prosecute the completion of the Work. In exercising the Owner's right to prosecute the completion of the Work, the Owner may also take possession of all materials and equipment stored at the site or for which the Owner has paid the Construction Manager but which are stored elsewhere, and finish the Work as the Owner deems expedient. In such case, the Construction Manager shall not be entitled to receive any further payment until the Work is finished.

26.3.2 If the unpaid balance of the Contract Price exceeds the direct and indirect costs and expenses of completing the Work including compensation for additional professional and Consultant services, such excess shall be used to pay the Construction Manager for the cost of the Work it performed and a reasonable allowance for overhead and profit. If such costs exceed the unpaid balance, the Construction Manager or the Construction Manager's Surety shall pay the difference to the Owner. In exercising the Owner's right to prosecute the completion of the Work, the Owner shall have the right to exercise its sole discretion as to the manner, methods, and reasonableness of the costs of completing the Work and the Owner shall not be required to obtain the lowest figure for Work performed in completing the Contract. In the event that the Owner takes bids for remedial Work or completion of the Project, the Construction Manager shall not be eligible for the award of such Contract.

26.3.3 The Construction Manager shall be liable for any damage to the Owner resulting from the termination or the Construction Manager's refusal or failure to complete the Work, and for all costs necessary for repair and completion of the Project above the amount of the Contract. The Construction Manager shall be liable for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

26.3.4 If liquidated damages are provided in the Contract and the Owner terminates the Contract, the Construction Manager shall be liable for such liquidated damages, as provided for in Article 29.2 and 29.3 below, until Substantial Completion and Final Completion of the Work are achieved.

26.3.5 In the event the Contract is terminated, the termination shall not affect any rights of the Owner against the Construction Manager. The rights and remedies of the Owner under this Article are in addition to any other rights and remedies provided by law or under this Contract. Any retention or payment of monies to the Construction Manager by the Owner will not release the Construction Manager from liability.

26.3.6 In the event the Contract is terminated under this Article, and it is determined for any reason that the Construction Manager was not in default under the provisions of this Article, the termination shall be deemed a Termination for Convenience of the Owner pursuant to Article 24 and the rights and obligations of the parties shall be determined in accordance with Article 24.

ARTICLE 27 - SUSPENSION OF WORK

27.1 The Owner or the Consultant may, at any time and without cause, order the Construction Manager in writing or cause the Construction Manager to suspend, delay or interrupt all or any part of the Work for such period of time as the Owner may determine to be appropriate for its convenience.

Adjustment may be made for any increase in the Contract time necessarily caused by such suspension or delay, in accordance with Article 21.

ARTICLE 28 - TIME OF COMPLETION

28.1 The Construction Manager shall begin the Work on the date of commencement as specified in the Work Order. All time limits stated in the Contract Documents are of the essence of the Contract. The actual end of the Contract Time shall be the date specified on the approved certificate of Substantial Completion. The time for completion set forth in the Contract is a binding part of the Contract upon which the Owner may rely in planning the use of the facilities to be constructed and for all other purposes.

28.2 Substantial Completion is defined in Article 1.1.17 of these General Conditions. Only incidental corrective Work under punch lists and final cleaning (if required) for Owner's full use shall remain for Final Completion. The ability to occupy or utilize shall include regulatory authority approval unless regulatory approval is delayed due to actions of the Owner or the Consultant. When the Owner accepts and occupies a portion of the Project, the operation, maintenance, utilities, and insurance of that portion of the Project becomes the responsibility of the Owner.

28.3 The date of Substantial Completion shall be that date certified by the Owner, in accordance with the following procedures, that the Work is sufficiently complete to occupy or utilize as defined above.

28.3.1 When the Construction Manager considers the entire Work is substantially complete as defined in Article 1.1.17 of these General Conditions, and is ready for its intended use, the Construction Manager shall notify the Consultant in writing and request an inspection. The declaration and request shall be accompanied by a list prepared by the Construction Manager of those items of Work still to be completed or corrected. The failure of the Construction Manager or Consultant to include any item or items which are not completed or which need correction on such list shall not alter the responsibility of the Construction Manager to complete all Work in accordance with the Contract Documents.

28.3.2 The Consultant shall, within a reasonable time after receipt of notification from the Construction Manager of a declaration of Substantial Completion and request for inspection, make such inspection. Prior to the Substantial Completion Inspection and within sufficient time to allow the Consultant's review, the Construction Manager shall submit all As-Built drawings, Notice of Termination, catalog data, complete operating and maintenance instructions, manufacturer specifications, certificates, warranties, written guarantees and related documents required by the contract. The Consultant shall review said documents for accuracy and compliance with the Contract Documents and incorporate them into complete operating instructions and deliver them to the Owner.

28.3.3 If the Consultant considers the Work substantially complete, the Consultant shall recommend that the Owner prepare a Certificate of Substantial Completion which shall establish the date of Substantial Completion and the responsibilities between the Owner and Construction Manager for security, maintenance, heat, utilities and insurance, if not otherwise provided for in the Contract Documents, and a tentative list of items to be completed or corrected, and shall fix the time within which the Construction Manager shall complete the items listed therein. This time shall not exceed thirty (30) Calendar Days unless otherwise provided for in the Work Order. The Certificate of Substantial Completion shall be submitted to the Consultant and Construction Manager for their written acceptance of the responsibilities assigned to them in the certificate. The Project shall not be deemed substantially complete until the certificate is issued. If, after making the inspection, the

Consultant does not consider the Work substantially complete, the Consultant will notify the Owner and the Construction Manager in writing

28.4 Operation and Maintenance Manual Deliverables. In anticipation and preparation of completion of the Work and the closing out of the Project, and to facilitate training of the Owner's personnel in the maintenance and operation of the new installations, the Construction Manager shall comply with the requirements of Article 8.7 of the Special Conditions. (For the purposes of this article, air test and balance reports may be submitted at a later date with the request for certification of substantial completion.) These manuals shall be submitted to the Consultant for approval, and subsequently forwarded to the Owner's Project Manager by or before the time construction is 75% complete, as reflected by the Contractor's most recently submitted Application for Payment.

28.4.1 The provisions of Article 30.11 notwithstanding, if the Construction Manager meets the requirements of Article 28.4 above with respect to timely submittal of approvable Operation and Maintenance manuals and provided the project construction is 1) at least 75% complete and 2) is equal to or ahead of the approved progress schedule and 3) the Work completed is in compliance with the requirements of the contract documents, the Owner, at the sole discretion of the Director, Capital Projects Management Division may reduce the retainage to not less than three percent (5%) of the current Contract Amount. In the event the Construction Manager fails to submit acceptable O&M manuals prior to reaching 75% completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

28.5 Project Close Out. When the Construction Manager considers that all Work required by the Contract is 100% complete, including correction of any remaining punch list work or deficiencies, the Construction Manager shall notify the Consultant in writing and request a final inspection. The Consultant, upon receipt of written notice from the Construction Manager that the Work is complete and is ready for final inspection and acceptance, will promptly make such inspection and if the Consultant finds the Work completed and acceptable under the Contract Documents and the Contract fully performed, the Consultant will notify the Construction Manager in writing to submit, and will certify to the Owner a final Certificate for Payment in accordance with Articles 30.9 and 30.9.1 of these General Conditions. If the Construction Manager does not complete the punch items within the time designated, the Owner retains the right to have these items corrected at the expense of the Construction Manager including all architectural, engineering and inspection costs and expenses incurred by the Consultant and the Owner, and to deduct such costs and expenses from the funds being held in retainage. The Owner shall not be required to release the retainage until such items have been completed.

ARTICLE 29 - LIQUIDATED DAMAGES

29.1 The Owner and the Construction Manager recognize and agree that time is of the essence of this Contract and that the Owner will suffer financial loss if the Work is not completed within the time specified in the Contract plus any extensions that may be allowed. The parties further recognize the delays, expense and difficulties involved in proving the actual loss suffered by the Owner should the Work not be completed on time. The Owner and the Construction Manager agree on the amounts stated as liquidated damages in the Agreement. The Owner and Construction Manager agree that the amount stated as liquidated damages are not intended to be penalties.

29.2 Should the Construction Manager fail to satisfactorily complete the Work under Contract on or before the date stipulated for Substantial Completion, as adjusted by approved Change Orders, if any, the Construction Manager will be required to pay liquidated damages to the Owner for each

consecutive Calendar Day that the Owner is deprived of full use of the area beyond the date specified unless otherwise stipulated elsewhere by Owner. After the date for Substantial Completion has been certified by the Owner, the Construction Manager shall cease to owe liquidated damages until the date established for Final Completion.

29.3 If Final Completion is not achieved by the date established for Final Completion, as adjusted by approved Change Orders, if any, liquidated damages in the amount stipulated in the Agreement will become due and collectable. The Contract will be considered complete and Final Completion shall be deemed to have occurred when all Work has been completed in compliance with the Contract Documents and the Certificate of Final Completion has been issued by the Owner. No deduction or payment of liquidated damages will, in any degree, release the Construction Manager from further obligations and liabilities to complete the entire Contract. Permitting the Construction Manager to continue and finish the Work, or any part of it, after expiration of the Contract Time, shall in no way constitute a waiver on the part of the Owner of any liquidated damages due under the Contract.

ARTICLE 30 - PAYMENT TO THE CONSTRUCTION MANAGER

30.1 Payments on account of this Contract shall be made monthly as Work progresses. The Construction Manager shall submit to the Consultant, in the manner and form prescribed, an application for each payment, and, if required, receipts or other vouchers showing payments made for materials and labor, including payments to Sub-contractors. All payments shall be subject to any withholding or retainage provisions of this contract. All pay request documents, except the final payment, shall be submitted in whole dollar amounts. All payment applications from the Construction Manager shall include line items for overhead, profit and general condition costs.

30.2 The Consultant shall, within ten (10) Business Days after receipt of each application for payment, certify approval of payment in writing to the Owner and present the application to the Owner, or return the application to the Construction Manager indicating in writing its reasons for refusing to approve payment. The Owner, provided no exception is taken to the application for payment submitted by the Consultant, will issue payment on or within thirty (30) Business Days from the date received from the Consultant. A reasonable delay on the part of the Owner in making payment to the Construction Manager for any given payment shall not be grounds for breach of Contract. The Consultant may refuse to approve the whole or any part of any payment if it would be incorrect to make such presentation to the Owner.

30.3 If payment is requested on the basis of materials and equipment not incorporated in the Work, but delivered and suitably stored at an off jobsite location agreed to in writing by the Owner that meets the manufacturer's requirements for the stored material and not-comingled with other material, the Construction Manager must furnish the following:

30.3.1 A list of the materials consigned to the Project (which shall be clearly identified), giving the place of storage, together with copies of invoices.

30.3.2 Certification that all items have been tagged for delivery to the Project and that they will not be used for any other purpose.

30.3.3 A letter from the Surety indicating that the Surety agrees to the arrangements and that payment to the Construction Manager shall not relieve either the Construction Manager or its Surety of their responsibility to complete the Work.

30.3.4 Evidence of adequate insurance listing the Owner as an additional insured covering the material in storage.

30.3.5 Evidence that representatives of the Consultant have visited the Construction Manager's place of storage and checked all items listed on the Construction Manager's certificate. They shall certify, insofar as possible, that the items are in agreement with the Specifications and approve their incorporation into the Project.

30.4 The Owner will pay 80% of the invoiced value less retainage for materials stored off site providing the above conditions are met.

30.5 The Construction Manager's signature on each subsequent application for payment shall certify that all previous progress payments received on account of the Work have been applied to discharge in full all of the Construction Manager's obligations reflected in prior applications for payment.

30.6 Each payment made to the Construction Manager shall be on account of the total amount payable to the Construction Manager and the Construction Manager warrants and guarantees that the title to all materials, equipment and Work covered by the paid partial payment shall become the sole property of Owner free and clear of all encumbrances. Nothing in this Article shall be construed as relieving Construction Manager from the sole responsibility for care and protection of materials, equipment and Work upon which payments have been made or restoration of any damaged Work or as a waiver of the right of Owner to require fulfillment of all terms of the Contract Documents.

30.7 Within thirty (30) Calendar Days of the award of any Trade Contracts, and prior to submitting the next application for payment, the Construction Manager shall submit to the Consultant and the Owner for approval a detailed breakdown of the Contract Amount including all trade contracts that have been awarded as of the date of that application for payment pursuant to CSI specification divisions, divided so as to facilitate payment and correlated to the schedule required by General Conditions Article 32 of the Contract Documents. The total value of all activities shall add up to the Contract Amount. When approved by the Consultant and the Owner, this schedule shall be used as a basis for Construction Manager's applications for payment and may be used by the Owner to determine costs or credits resulting from changes in the Work. Failure to obtain the approval of the Schedules of Values shall be a basis for withholding payment to the Construction Manager.

30.8 Retainage – The Owner will retain ten percent (10%) of the Construction Manager's progress payments, including amounts claimed for construction management fee until fifty one percent (51%) of the construction project has been completed. Thereafter, if the Work is fully in compliance with the requirements of the Contract and except as provided for in Article 28.4.1 above, the Owner shall retain five percent (5%) of the total contract amount until Substantial Completion and acceptance of all Work covered by this Contract, as collateral security to insure successful completion of the Work. For the purposes of this Article, the term "in full compliance" shall mean 1) that the progress of the Work is equal to or ahead of that predicted by the Project Baseline schedule and 2) the Work completed is in compliance with the requirements of the contract documents. Subsequent to the issuance of the Substantial Completion Certificate and depending upon the cost involved for the completion and/or correction of punch list items, the Consultant may recommend to the Owner an adjustment to the amount being held as retainage and, if approved by Owner, the amount of retainage may then be reduced and a sufficient sum retained by Owner to assure completion of the remaining unfinished Work. Retainage reduction as provided for in this Article 30.8 is contingent upon the Construction Manager and/or Sub-contractors being on or ahead of the approved progress schedule and on verification by the Consultant that the Work completed is in compliance with the requirements of the contract documents.

30.8.1 In addition to the retainage set forth above, the Owner may withhold from any monthly progress payments or nullify any progress payments in whole or in part as necessary to protect the Owner from loss on account of:

30.8.1.1 Defective Work which has not been remedied or completed Work which has been damaged requiring correction or replacement, or

30.8.1.2 Action required by the Owner to correct Defective Work or complete Work which the Construction Manager has failed or refused to correct or complete, or

30.8.1.3 Failure of the Construction Manager to perform any of its obligations under the Contract, or

30.8.1.4 Failure of the Construction Manager to make payment properly to Sub-contractors; suppliers of material, services or labor; or to reimburse the University for utilities or other services as provided for in the Contract;

30.8.1.5 Amounts to be withheld as liquidated damages for failure to complete the Project in the allotted Contract time.

30.8.2 When the Owner is satisfied that the Construction Manager has remedied any such deficiency, payments shall be made of the amount being withheld on the next scheduled application for payment.

30.9 Final Payment – When all Work is completed and acceptable and the Contract is fully performed, the Construction Manager will be directed to submit a final payment application for certification and the entire balance shall be due and payable upon a certification of completion by the Consultant that the Work is in accordance with the Contract Documents. Final change order reconciliation as per Article 18.12 must be provided prior to final payment.

30.9.1 Upon issuance of the Certificate of Final Completion by the Owner and submittal by the Construction Manager of all required documents and releases, all retained amounts shall be paid to the Construction Manager as part of the Final Payment. By accepting such payment, the Construction Manager certifies that all amounts due or that may become due to any Sub-contractor, any Consultant of the Construction Manager, or any vendors or material suppliers, have been paid or will be paid from the proceeds of the final payment; and that, further, there are not liens, claims or disputes involving the Owner or the Consultant that are outstanding or unresolved.

30.10 The Construction Manager shall promptly pay each Sub-contractor and material supplier upon receipt of payment from the Owner the amount to which said Sub-contractor and supplier is entitled, reflecting the percentage actually retained from payments to the Construction Manager on account of such Sub-contractor's work. The Construction Manager shall, by an appropriate Agreement with each Sub-contractor and material supplier, require each Sub-contractor and supplier to make payments to their sub-contractors, vendors and suppliers in similar manner.

The Consultant may, on request, furnish to any Sub-contractor or material supplier information regarding the percentages of completion applied for by the Construction Manager and the action thereon by the Consultant.

30.10.2 Neither the Owner nor the Consultant shall have any obligation to make payment to any Sub-contractor or material supplier except as may otherwise be required by law.

ARTICLE 31 - AUDITS

31.1 The Construction Manager's Trade Contractors', sub-contractors' and/or vendor's "records" shall upon reasonable notice be open to inspection and subject to audit and/or reproduction during normal business working hours as may be deemed necessary by the Owner at its sole discretion. Such audits may be performed by an Owner's representative or an outside representative engaged by the Owner. The Owner or its designee may conduct such audits or inspections throughout the term of this contract and for a period of three years after final payment, or longer if required by law. Owner's representative may (without limitation) conduct verifications such as counting employees at the Construction Site, witnessing the distribution of payroll, verifying information and amounts through interviews and written confirmations with Construction Manager's employees, field and agency labor, Trade Contractors and vendors.

31.2 "Records" as referred to in this Contract shall include any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, superintendents' reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in the Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by any Contract Document. Such records shall include hard copy, as well as computer readable data if it can be made available, written policies and procedures; time sheets; payroll registers; cancelled payroll checks; subcontract files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); original estimates; estimating work sheets; correspondence; change order files (including documentation covering negotiated settlements); back charge logs and supporting documentation; invoices and related payment documentation; general ledger; records detailing cash and trade discounts earned; insurance rebates and dividends; and any other Construction Manager or contractor records which may have a bearing on matters of interest to the Owner in connection with the Construction Manager's dealings with the Owner (all foregoing hereinafter referred to as the "records") to the extent necessary to adequately permit evaluation and verification of any or all of the following:

- Compliance with Contract requirements for deliverables;
- Compliance with approved plans and specifications;
- Compliance with Owner's business ethics expectations;
- Compliance with Contract provisions regarding the pricing of change orders;
- Accuracy of Construction Manager representations regarding pricing of invoices; and
- Accuracy of Construction Manager representations related to claims submitted by the Construction Manager or its payees.

31.3 The Construction Manager shall require all payees (examples of payees include Trade Contractors, Sub-contractors, vendors, and/or material suppliers) to comply with the provisions of this Article by including the requirements hereof in a written contract agreement between the Construction Manager and payees. Such requirements to include flow-down right of audit provisions in contracts with payees will also apply to Subcontractors and Sub-subcontractors, material suppliers, etc. The Construction Manager will cooperate fully and will cause all related parties and all of the Construction Manager's Trade Contractors and/or subcontractors (including those entering into lump sum subcontracts) to cooperate fully in furnishing or in making available to Owner from time to time whenever requested, in an expeditious manner, any and all such information, materials and data.

31.4 Owner's authorized representative or designee shall have reasonable access to the Construction Manager's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to the performance of this contract and shall provide adequate and appropriate work space in order to conduct audits in compliance with this Article. The Construction Manager and its payees agree bear their costs and expenses relating to any inspections and audits.

31.5 If an audit inspection or examination in accordance with this Article discovers any fraud or misrepresentation, or discloses overpricing or overcharges (of any nature) by the Construction Manager to the Owner, in addition to making adjustments for the overcharges, the reasonable actual cost of the Owner's audit shall be reimbursed to the Owner by the Construction Manager. Any adjustments and/or payments that must be made as a result of any such audit or inspection of the Construction Manager's invoices and/or records shall be made within Ninety (90) Calendar Days from presentation of the Owner's findings to the Construction Manager.

31.6 The provisions of Articles 31.1, 31.2 and 31.5 notwithstanding, the Owner shall have the right to conduct inspections and audits of any matter relating to the Contract Documents or the Work, which shall be for the Owner's sole benefit and shall not relieve the Construction manager, its sureties, contractors, subcontractors suppliers and their respective employees and agents of any obligations under the Contract Documents.

31.7 Any audits or inspections under Article 31 shall not constitute a waiver of any right the Owner has to accounting or discovery of records in the possession, custody or control of the Construction Manager, its sureties, contractors, subcontractors, vendors and their respective employees and agents

ARTICLE 32 - PROGRESS & SCHEDULING

32.1 If requested by the Owner during the Design Phase of the Project, and working in cooperation with the Owner and the Consultant(s), the Construction Manager shall prepare a Critical Path Method (CPM) type Design Phase schedule incorporating design phase and review activities through completion of the design and bidding of the Trade Contracts, shall include in this Design Phase schedule the broad categories of Work to be accomplished in the subsequent implementation of the design and construction of the Project, and shall modify and update this Design Phase schedule as necessary to reflect the actual status and then current plan for the Project.

32.2 The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. If approved by the University, and at the sole discretion of the University, schedules submitted using earlier versions of Primavera scheduling software (Primavera SureTrak or Primavera P3) may be converted to Primavera P6 format by the University for review purposes. However, the University will not be responsible for any inaccuracies that may result from such conversions.

32.2.1 Prior to bidding Trade Contracts, the Construction Manager shall prepare and submit to the Owner and the Consultant a preliminary CPM construction schedule for the Work that will be included in the Project bidding documents.

3.2.2.2 The schedules submitted for this Project shall coordinate Work in accordance with all schedules included in the Owner's approved Program. Construction work shall be scheduled and executed such that operations of the University are given first priority. This applies particularly to outages and restriction of access.

32.2.3 The schedules submitted for this Project shall not exceed time limits established for the Project. Schedules which reflect a duration less than the Contract Time are for the convenience of the Construction Manager and shall not be the basis of any claim for delay or extension of time.

32.2.4 Schedules shall be revised at appropriate intervals as required by the condition of the Work and the Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

32.2.5 The Construction Manager shall also submit a payment schedule indicating the percentage of the Contract Amount and the amount of the anticipated monthly payments that will be requested as the Project proceeds.

32.2.6 The Owner may withhold approval of all or a portion of progress payments until the progress payment schedule and construction schedule have been submitted by the Construction Manager.

32.3 The Construction Manager shall prepare and keep current, for the Consultant's approval, a separate schedule of submittals coordinated with the Construction Manager's CPM construction schedule that provides reasonable time for the Consultant to review the submittals.

32.4 The Construction Manager shall cause the work to be performed pursuant to the most recent schedules.

ARTICLE 33 - USE OF COMPLETED PORTIONS

33.1 Upon mutual Agreement between the Owner, Construction Manager, and Consultant, the Owner may use a completed portion of the Project after an inspection is made. Such possession and use shall not be deemed as acceptance of any Work not completed in accordance with the Contract Documents, nor shall such possession and use be considered to alter warranty obligations or cause any warranty period to commence prior to Substantial Completion.

ARTICLE 34 - INDEMNIFICATION

34.1 To the fullest extent permitted by law, the Construction Manager shall indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from and against all claims, damages, losses and expenses, including attorney's fees, provided that any such claim, loss, damage or expense: (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of the Construction Manager, any Sub-contractor or material supplier, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. This basic obligation to indemnify shall not be construed to nullify or reduce other indemnification rights which the Owner, its consultants, and their respective employees and agents would otherwise have.

34.2 The Construction Manager shall also indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from any claims relating to the Project brought against the Owner, its consultants, and their respective employees and agents by any Sub-contractor unless such claims are due to the gross negligence or misconduct of the Owner or Consultant.

34.3 In any and all claims against the Owner its consultants, and their respective employees and agents, by any employee of the Construction Manager, any Sub-contractor, any one directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Article shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Construction Manager or any Sub-contractor under Worker's Compensation acts, disability benefit acts or other employee benefit acts.

34.4 The obligations of the Construction Manager under this Article shall not extend to the liability of the Consultant, his agents or employees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications, or (2) the

giving of or the failure to give directions or instructions by the Consultant, his agents or employees, provided such giving or failure to give is the primary cause of injury or damage.

ARTICLE 35 - INSURANCE

35.1 The Construction Manager shall furnish the Owner the Certificates of Insurance or other acceptable evidence that insurance is effective, and guarantee the maintenance of such coverage during the term of the Contract. Each policy of insurance, except Workers Compensation, shall name the University of Kentucky and the directors, officers, trustees and employees of the University as additional insured on a primary and non-contributory basis as their interest appears. Waiver of subrogation in favor of the University of Kentucky shall apply to all policies. Any endorsements required to validate such waiver of subrogation shall be obtained by the Construction Manager at the Construction Manager's expense.

35.2 The Construction Manager shall not commence, nor allow any Sub-contractor to commence Work under this Contract, until the Owner has reviewed the certificates and approved coverages and limits as satisfying the requirements of the bidding process.

35.3 Workers' Compensation and Employers' Liability Insurance. The Construction Manager shall acquire and maintain Workers' Compensation insurance with Kentucky's statutory limits and Employers' Liability insurance as defined in the Special Conditions for all employees who will be working at the Project site. In the event any Work is sublet, the Construction Manager shall require any Sub-contractor to provide proof of this insurance for the Sub-contractors' employees, unless such employees are covered by insurance provided by the Construction Manager.

35.4. The Construction Manager shall either require each Sub-contractor to procure and maintain insurance of the type and limits stated during the terms of the Contract, or insure the activities of such Sub-contractors under a blanket form as described below:

35.4.1 Commercial General Liability Insurance. The Construction Manager shall acquire and maintain a Broad Form Comprehensive General Liability (CGL) Insurance Policy including premises - operations, products/completed operations, blanket contractual, broad form property damage, real property fire legal liability and personal injury liability coverage. The Insurance Policy must be on an "occurrence" form only, unless approved by the Owner. Contractual liability must be endorsed to include defense costs. Products and completed operations insurance must be carried for two years following completion of the Work. Policies which contain Absolute Pollution Exclusion endorsements are not acceptable. Coverage must include pollution from "hostile fires". Where required by the risks involved, Explosion, Collapse and Underground (XCU) coverages shall be added by endorsement. If the work involved requires the use of helicopters, a separate aviation liability policy as defined in the Special Conditions will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits as defined in the Special Conditions will be required.

35.4.1.1 The limits of liability shall not be less than defined in the Special Conditions.

35.4.2 Comprehensive Automobile Liability Insurance. The Construction Manager shall show proof and guarantee the maintenance of insurance to cover all owned, hired, leased or non-owned vehicles used on the Project. Coverage shall be for all vehicles including off the road tractors, cranes and rigging equipment and include pollution liability from vehicle upset or overturn. Policy limits shall not be less than defined in the Special Conditions.

35.4.3 **Excess or Umbrella Liability Insurance.** The Construction Manager shall acquire and maintain a policy of excess liability insurance in an umbrella form for excess coverages over the required primary policies of broad form commercial general liability insurance, business automobile liability insurance and employers' liability insurance. This policy shall have a minimum as defined in the Special Conditions for each occurrence in excess of the applicable limits in the primary policies. The excess liability policy shall not contain an absolute pollution exclusion and shall include coverages for pollution that may occur due to hostile fires and vehicle upset and overturn. The limits shall be increased as appropriate to cover any anticipated special exposures.

35.5 **Builders Risk Insurance.** The Construction Manager shall purchase and maintain an "all risk" Builder's Risk Insurance policy upon the Work at the site to the full insurable value thereof. Such insurance shall include interests of the Owner, Construction Manager, and all Sub-contractors and of their subcontractors. It shall insure against perils of fire, extended coverage, vandalism and malicious mischief. Construction Manager's work performed, and materials to be incorporated into the project and stored on the jobsite, will be covered. Builder's Risk does not include temporary buildings, or Construction Manager or Construction Manager's tools, equipment, or trailers and contents.

35.6 **Insurance Agent and Company Insurance** as required in the bidding process of the Project shall be written according to applicable state law in Kentucky. The policies shall be written by an insurer duly authorized to do business in Kentucky in compliance with KRS: 304.1-.100 and -110.

ARTICLE 36 - PERFORMANCE AND PAYMENT BONDS

36.1 The Construction Manager shall furnish a Performance Bond in the form provided in the Contract Documents in the full amount of the Contract Amount as security for the faithful performance of the Contract. The Construction Manager shall also furnish a Payment Bond in the form provided in the Contract Documents in the full amount of the Contract Amount for the protection of all persons performing labor or furnishing materials, equipment or supplies for the Construction Manager or its Sub-contractors for the performance of the Work provided for in the Contract, including security for payment of all unemployment contributions which become due and payable under Kentucky Unemployment Insurance Law.

36.2 Each bond furnished by the Construction manager shall incorporate by reference the terms of the Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Amount is adjusted by Change Order, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amounts.

36.3 The performance and payment bonds shall be executed by a surety company authorized to do business in the Commonwealth of Kentucky, and the contract instrument of bonds must be countersigned by a duly appointed and licensed resident agent.

ARTICLE 37 - DAMAGED FACILITIES

37.1 The Construction Manager shall repair or replace, at no expense to the Owner, any damaged section of existing buildings, paving, landscaping, streets, drives, utilities, watersheds, etc. caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors or by material suppliers. Such repair or replacement shall be performed by craftsmen skilled and experienced in the trade or craft for the original Work.

37.2 Water damage to the interior of any building caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors, or by material suppliers, and whether occurring in a new or existing building, shall be repaired by the

Construction Manager at the Construction Manager's expense, and any materials damaged inside the building, including personal property, shall be repaired or replaced at the full replacement cost by the Construction Manager at the Construction Manager's expense.

37.3 For existing buildings, the Construction Manager, along with the Owner's Representative and Consultant, will tour the Project site to evaluate existing conditions and determine any existing damage before any Work on this Contract is done.

37.4 Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the Work/repairs completed and deduct the cost of such Work/repairs from amounts due or to become due to the Construction Manager. If the Owner deems it not expedient to repair the damaged Work, or if repairs are not done in accordance with the Contract, an equitable deduction from the Contract price shall be made.

ARTICLE 38 - CLAIMS & DISPUTE RESOLUTION

38.1 All Construction Manager's claims and disputes shall be referred to the Consultant for review and recommendation. All claims shall be made in writing to the Consultant and to the Owner's Project Manager not more than ten (10) days from the occurrence of the event which gives rise to the claim or dispute, or not more than ten (10) days from the date that the Construction Manager knew or should have known of the claim or dispute. Unless the claim is made in accordance with these requirements, it shall be waived. Any claim not submitted before Final Payment shall be waived. The Consultant shall render a written decision within fifteen (15) days following receipt of a written demand for the resolution of a claim or dispute.

38.1.1 The provisions of Article 43.2 notwithstanding, claims and disputes between the Construction Manager and any Sub-contractor or supplier shall not be referred to the Consultant except to request interpretation and/or clarification of the intent of the plans or specifications. Such claims and disputes between the Construction Manager and any Sub-contractor shall be resolved between those parties as required by Article 43.4 of these General Conditions.

38.2 The Consultant's decision shall be final and binding on the Construction Manager unless the Construction Manager submits to the Consultant and the Owner's Project Manager a written notice of appeal within fifteen (15) Calendar Days of the Consultant's decision. The Construction Manager must present within fifteen (15) Calendar Days of such notice to appeal a narrative claim in writing with complete supporting documentation. After receiving the written claim, the Project Manager will review the materials relating to the claim and may meet with the Consultant and/or the Construction Manager to discuss the merits of the claim. The Project Manager will render a decision within thirty (30) Calendar Days after receiving the written claim and supporting documentation. The decision of the Project Manager shall be final and binding pending further appeal as provided for in Article 39. If the Consultant or the Project Manager do not issue a written decision within thirty (30) calendar days after receiving the claim and supporting documentation, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

38.3 If the Project Manager does not agree with the Consultant's decision on a claim by the Construction Manager, the Project Manager shall notify the Construction Manager and the Consultant and direct the Construction Manager to perform the Work about which the claim was made and the Construction Manager shall proceed with such Work in accordance with the Project Manager's instruction. If the Construction Manager disagrees with a decision of the Project Manager concerning a Construction Manager's claim, the Construction Manager shall proceed with the Work as indicated by the Project Manager's decision.

38.4 The Construction Manager shall continue to diligently pursue Work under the Contract pending resolution of any dispute, and the Owner shall continue to pay for undisputed work in place.

ARTICLE 39 - CLAIMS FOR DAMAGE

39.1 Should either party to the Contract suffer damage because of wrongful act or neglect of the other party, or of anyone employed by them, or others for whose act they are legally liable, or if other controversy should arise under the Contract, such claim or controversy shall be made in writing to the other party within thirty (30) days after the first occurrence of the event. Prior to the institution of any action in court, the claim or controversy (together with supporting data) shall be presented in writing to the Director of the Capital Project Management Division at the University of Kentucky ("Director") or his designee. The Director, or designee, is authorized, subject to any limitations or conditions imposed by regulations, to settle, comprise, pay, or otherwise adjust the claim or controversy with the Construction Manager. The Director, or designee, shall promptly issue a decision in writing. A copy of the decision shall be mailed or otherwise furnished to the Construction Manager. The decision rendered shall be final and conclusive unless the Construction Manager files suit pursuant to KRS 45A.245. If the Director, or designee, does not issue a written decision within one hundred and twenty (120) days after written request for a final decision, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

39.2 Any legal action on the Contract shall be brought in the Franklin Circuit Court and shall be tried by the Court sitting without a jury. All defenses in law or equity, except the defense of government immunity, shall be preserved to the Owner. The Owner shall recover from the Construction Manager all attorney's fees, costs and expenses incurred to the extent the Owner prevails in defending or prosecuting each claim in litigation of disputes under the Contract. The Owner is the prevailing party under this provision and is entitled to recover attorneys' fees, costs and expenses on a claim-by-claim basis to the extent the Owner successfully defeats or prosecutes each claim. A recovery of a net judgment by the Construction Manager shall not be determinative of the Owner's right to recover attorneys' fees, expenses and costs. Rather, such a determination shall be made based on the extent that the Owner successfully defends or prosecutes each distinct claim in litigation under the Contract, even if the Owner does not prevail on every claim. The Construction Manager shall be liable to the Owner for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

ARTICLE 40 - LIENS

40.1 The filing and perfection of liens for labor, materials, supplies, and rental equipment supplied on the Work are governed by KRS 376.195 et seq.

40.2 Statements of lien shall be filed with the Fayette County Clerk and any action to enforce the same must be instituted in the Fayette Circuit Court, pursuant to KRS 376.250 (5).

40.3 The lien shall attach only to any unpaid balance due the Construction Manager for the improvement from the time a copy of statement of lien, attested by the Fayette County Clerk, is delivered to the Owner, pursuant to the provisions of KRS 376.240.

ARTICLE 41 - ASSIGNMENT

41.1 Neither party to the Contract shall assign the Contract, or any portion thereof without the prior written consent of the other, which consent may be granted or withheld in the granting party's

sole and absolute discretion. The Construction Manager shall not assign any amount or part of the Contract or any of the funds to be received under the Contract unless the Construction Manager has the prior written approval of the Owner (which approval may be granted or withheld in the Owner's sole and absolute discretion) and the Surety on the Construction Manager's bond has given written consent to any such assignment.

ARTICLE 42 - SEPARATE CONTRACTS

42.1 The Owner reserves the right to enter into other Contracts in connection with the Project or to perform any work with the Owner's forces in the normal sequence of the work as depicted in the then current construction schedule. Except for work performed by University personnel, such contracts shall be assignable to the Construction Manager and shall contain the same terms and conditions as the contracts between the Construction Manager and the Sub-contractors. The Construction Manager will be entitled to a maximum of three percent (3%) overhead and profit on the value of such assigned contracts. The Construction Manager shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate its Work with theirs in such manner as the Consultant may direct.

42.2 Should the Construction Manager cause damage to any separate contractor on the Work, and the separate contractor sues the Owner on account of any damage alleged to have been so sustained, the Construction Manager shall be responsible for all costs, attorney's fees and expenses incurred by the Owner for defending such proceedings unless the Owner prevails on behalf of the Construction Manager in which case fees and expenses will be the responsibility of the separate contractor and if any judgment against the Owner arises therefrom, the Construction Manager shall pay or satisfy it and shall pay all costs, attorney's fees and expenses incurred by the Owner.

42.3 If any part of the Construction Manager's Work depends upon the work of any other separate contractor, the Construction Manager shall promptly report to the Consultant any observed defects in such work that render it unsuitable for proper execution connection. The failure to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of the work, except as to defects which may develop in the other contractor's work after the execution of the work.

42.4 Whenever work being done by the Owner's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various parties involved shall be established by the Owner to secure the completion of the various portions of the Work in general harmony.

ARTICLE 43 - CONSTRUCTION MANAGER/SUB-CONTRACTOR RELATIONSHIP

43.1 The Construction Manager is fully responsible to the Owner for the acts and omissions of the Sub-contractors and of persons either directly or indirectly employed by them. The Construction Manager is responsible for the acts and omissions of persons employed directly by the Construction Manager and for the coordination of the Work, including placement and fittings of the various component parts. No claims for extra costs as a result of the failure to coordinate the Work, or by acts or omissions of the various Sub-contractors, will be paid by the Owner.

43.2 Except as otherwise provided in these Contract Documents, the Construction Manager agrees to bind every Sub-contractor by the terms and conditions of the Contract Documents as far as applicable to their portion of the Work. Upon request, the Construction Manager shall provide copies of any subcontracts and purchase orders to the Owner or Consultant.

43.3 The Construction Manager shall make no substitution or change in any Sub-contractor listed and accepted by the Consultant or Owner except as approved in writing by the Owner. The Construction Manager shall not employ any Sub-contractor or supplier against whom the Owner or the Consultant has made reasonable and timely objection. The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories unless a subcontractor fails to perform and upon prior approval by the Universities authorized representatives.”

43.4 Nothing contained in the Contract Documents shall create any contractual relationship between the Owner and any Sub-contractor, Trade Contractor or Supplier, nor shall the Construction Manager include any language in their contracts with any Sub-contractor, Trade Contractor and/or Supplier that might imply such a relationship. The Construction Manager is hereby notified that it is the Construction Manager's contractual obligation to settle disputes between Sub-contractors, Trade Contractors, and/or Suppliers. Neither the Owner nor the Consultant will settle disputes between the Construction Manager and any Sub-contractor, Trade Contractor, and/or Supplier or between Sub-contractors, Trade Contractors, and/or Suppliers.

43.4.1 The Owner does not waive sovereign immunity under KRS 45A.245(1) for any claim or claims made by parties not having a written contract with the University of Kentucky.

43.4.2 Third party and/or flow-through type claims, from Sub-contractors and/or suppliers or any other entity not having a written contract directly with the University, are specifically prohibited by this Contract and no provision of the Construction Manager’s contracts with such entities shall indicate otherwise.

43.4.3 The Construction Manager shall indemnify and hold harmless the Owner and its agents and employees from any claims relating to the Project brought against the Owner by any of the Construction Manager’s Sub-contractors or suppliers, or between their sub-contractors or suppliers.

ARTICLE 44 - CASH ALLOWANCE

44.1 The Construction Manager is to provide or require the Sub-contractor(s) to include in the Contract Amount all costs necessary to complete the Work. Costs based on “allowances” shall be permitted only for objectively quantifiable material items and only with the prior written approval of the Owner.

ARTICLE 45 - PROJECT SITE LIMITS

45.1 The Construction Manager shall confine the apparatus, the storage of materials, and the operations of Workmen to Project site limits indicated in the Contract Documents and as permitted by law, ordinances, and permits, and shall not unreasonably encumber the site with materials and equipment.

ARTICLE 46 - CLEAN UP

46.1 The Construction Manager shall at all times keep the premises free from accumulation of waste material or rubbish caused by the operations in connection with the Work. All corridors and exit doors must be kept clear at all times. All exit ways, walks, and drives must be kept free of debris, materials, tools and vehicles.

46.2 At the completion of the Work, and prior to final inspection and acceptance, the Construction Manager shall remove all remaining waste materials, rubbish, Construction Manager's construction equipment, tools, machinery, and surplus materials and shall leave the Work in a clean and usable

condition, satisfactory to the Consultant and the Owner. If the Construction Manager fails to clean up as provided in the Contract Documents, the Owner may perform the cleaning tasks and charge the cost to the Construction Manager.

ARTICLE 47 - POINTS OF REFERENCE

47.1 The Construction Manager shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, the Construction Manager shall be charged with the resulting expense of replacement and shall be responsible for any mistake that may be caused by their loss or disturbance.

ARTICLE 48 - SUBSTITUTION - MATERIALS AND EQUIPMENT

48.1 Reference to or the listing of items to be incorporated in the construction without referring to any specific article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number shall be interpreted as establishing the general intent of the Contract and the general standard of quality for that item.

48.2 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, with the words "or equal", shall be interpreted as establishing a minimum standard of quality, and shall not be construed as limiting competition.

48.2.1 Substitution of other equipment and materials as "or equal" to items named in the specifications will be allowed provided the proposed substitution is approved by the Consultant and will perform the functions called for by the general design, be similar and of equal quality to that specified and be suited to the same use and capable of performing the same function of that specified. The Construction Manager has the burden to prove equality of any substitution requested.

48.3 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, without the words "or equal", shall be interpreted as defining an item or source that has after careful consideration been determined by the University as necessary to be compliant with, and/or to function properly within, the University operational system. No substitutions will be allowed.

48.3.1 In the event the Contract Documents contain specific reference to two or more items as described in Article 48.3, any of those listed will be acceptable.

48.4 Substitution of equipment and materials previously submitted by the Construction Manager and approved by the Consultant will be considered only for the following reasons:

48.4.1 Unavailability of the materials or equipment due to conditions beyond the control of the supplier.

48.4.2 Inability of the supplier to meet Contract Schedule.

48.4.3 Technical noncompliance to specifications.

48.5 In substituting materials or equipment, the Construction Manager assumes responsibility for any changes in systems or modifications required in adjacent or related work to accommodate such substitutions, despite consultant approval, and all costs associated with the substitution shall be the

responsibility of the Construction Manager. The Consultant shall be reimbursed by the Construction Manager for any architectural or engineering revisions required as the result of such substitutions.

48.6 Inclusion of a certain make or type of materials or equipment in the Construction Manager's bid proposal shall not obligate the Owner to accept such materials or equipment if they do not meet the requirements of the Contract Documents and any such substitutions in the preparation of the bid without written approval shall be at the sole risk of the Construction Manager.

ARTICLE 49 - TEST AND INSPECTION

49.1 Regulatory agencies of the government having jurisdiction may require any Work to be inspected, tested or approved. The Construction Manager shall assume full responsibility therefore, pay all costs in connection therewith, unless otherwise noted, and furnish the Consultant the required certificates of inspection, testing or approval.

49.2 The Construction Manager shall give the Consultant timely notice of readiness of the Work for all inspections, tests or approvals.

49.3 The technical specifications may indicate specific testing requirements to be performed by the Construction Manager. Unless otherwise provided in the Contract Documents, the cost of all such testing shall be the responsibility of the Construction Manager. Testing shall be completed using a testing facility or laboratory approved by the Owner.

49.4 The costs of all inspection fees as may be required to construct and occupy the Work shall be the responsibility of the Construction Manager.

ARTICLE 50 - WARRANTY

50.1 The Construction Manager warrants to the Owner and the Consultant that all materials and equipment furnished under this Contract shall be new and in accordance with the requirements of the Contract Documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents. If required by the Consultant or the Owner, the Construction Manager shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If the Construction Manager requests approval of a substitution of material or equipment, the Construction Manager warrants that such installation, construction, material, or equipment will equally perform the function for which the original material or equipment was specified. The Construction Manager explicitly warrants the merchantability, the fitness for a particular purpose, and quality of all substituted items in addition to any warranty given by the manufacturer and/or supplier. Approval of any such substitution is understood to rely on such warrant of performance. Prior to the Substantial Completion inspection, the Construction Manager shall deliver to the Consultant all warranties and operating instructions required under the Contract or to which the Construction Manager is entitled from manufacturers, suppliers, and Sub-contractors. All warranties for products and materials incorporated into the Work shall begin on the date of Substantial Completion. The warranty provided in this Article 50 shall be in addition to and not a limitation of any other warranty or remedy required by law or by the Contract Documents, and such warranty shall be interpreted to require the Construction Manager to replace defective material and equipment and re-execute defective Work which is disclosed to the Construction Manager by or on behalf of the Owner within a period of one (1) year after Substantial Completion of the entire Work in addition to other warranty obligations beyond one year from Substantial Completion as provided for by law or by the Contract Documents.

50.2 Neither the final payment, any provision in the Contract Documents nor partial or entire use or occupancy of the premises by the Owner shall constitute an acceptance of Work not done in accordance with Contract Documents or relieve the Construction Manager or its Sureties of liability with respect to any warranties or responsibilities for faulty materials and workmanship. The Construction Manager or its sureties shall remedy any defects in Work and any resulting damage to Work at the Construction Manager's own expense. The Construction Manager shall be liable for correction of all damage resulting from defective Work. If the Construction Manager fails to remedy any defects or damage, the Owner may correct Work or repair damages and the cost and expense incurred in such event shall be paid by or be recoverable from the Construction Manager or the surety. The Owner will give notice of observed defects with reasonable promptness.

50.3 The Construction Manager shall guarantee that labor, material, and equipment will be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract pursuant to Article 23 in addition to warranty obligations which extend beyond one year from Substantial Completion. The Owner will give notice of observed defects with reasonable promptness. Expendable items and wear from ordinary use are excluded from this warranty.

50.4 Should the Construction Manager be required to perform tests that must be delayed due to climate conditions, it is understood that such tests will be accomplished by the Construction Manager at the earliest possible date with provisions of the general warranty beginning upon satisfactory completion of said test. The responsibility of the Construction Manager under this Article will not be abrogated if the Owner should elect to initiate final payment. If the Owner initiates final payment, consent of Construction Manager's surety acknowledging that Work not yet tested is required. The Construction Manager shall warrant that the entire Project will conform to the Contract Documents.

50.5 In addition to the foregoing, the Construction Manager shall warrant for a period of one (1) year that all buildings and other improvements constructed as a part of the Work shall be watertight and leak proof at every point and in every area. The Construction Manager shall, immediately upon notification by or on behalf of the Owner of water penetration, determine the source of water penetration and, at the Construction Manager's expense, (a) do any work necessary to make such buildings or improvements watertight and (b) repair and replace any other damaged material, finishes and furnishings damaged as a result of such water penetration and return the buildings or other improvements to their original condition.

50.6 The Construction Manager shall address and resolve to the Owner's satisfaction any warranty claims made by or on behalf of the Owner during the above described warranty period and all repairs and replacements made by the Construction Manager pursuant to this Article 50 shall be warranted by the Construction Manager, on the terms set forth in this Article 50, for a period of time commencing upon the completion of such repairs and replacements and ending on the later of (a) the expiration of the one (1) year warranty period provided for above or (b) six (6) months after the date such repair or replacement is completed.

50.7 All costs, attorney's fees and expenses incurred by the Owner as a result of the Construction Manager's failure to honor any warranty for the Work shall be paid by or recoverable from the Construction Manager.

ARTICLE 51 - PREVAILING WAGE LAW REQUIREMENTS (NO LONGER USED AS OF 1/9/17)

ARTICLE 52 - APPRENTICES

52.1 Apprentices (for all classifications of work) shall be permitted to work only under an apprenticeship agreement approved by the Kentucky Supervisor of Apprenticeship and by the Kentucky Apprenticeship and Training, United States Department of Labor.

ARTICLE 53 - GOVERNING LAW

53.1 This Contract and all issues and disputes arising out of this Contract shall be governed by, construed and enforced in accordance with the laws of the Commonwealth of Kentucky without consideration of its conflicts of laws principles.

ARTICLE 54 - NONDISCRIMINATION IN EMPLOYMENT

54.1 During the performance of the Contract, the Construction Manager agrees as follows:

54.1.1 The Construction Manager will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, national origin, or disability in employment. The Construction Manager will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, age, national origin, or disability in employment. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Construction Manager agrees to post in conspicuous places available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

54.1.2 The Construction Manager will, in all solicitations or advertisements for employees placed by or on behalf of the Construction Manager; state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin or disability in employment.

54.1.3 The Construction Manager will send to each labor union or representatives of workers with which it has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Construction Manager's commitments under this Article, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

54.2 Failure to comply with the above nondiscrimination clause constitutes a material breach of Contract.

ARTICLE 55 - AFFIRMATIVE ACTION; REPORTING REQUIREMENTS

55.1 The Construction Manager and any Sub-contractor is exempt from any affirmative action or reporting requirements, under the Kentucky Equal Employment Opportunity Act of 1978, KRS 45.550 to KRS 45.640 "The Act", if any of the following conditions are applicable:

55.1.1 The Trade Contract awarded is in the amount of two hundred and fifty thousand dollars (\$250,000.00) or less, and the amount of the Trade Contract is not a subterfuge to avoid compliance with the provisions of the Act;

55.1.2 The Construction Manager or Sub-contractor utilizes the services of fewer than eight (8) employees during the course of the Contract;

55.1.3 The Construction Manager or Sub-contractor employs only family members or relatives;

55.1.4 The Construction Manager or Sub-contractor employs only persons having a direct ownership interest in the business and such interest is not a subterfuge to avoid compliance with the provisions of The Act.

55.2 The Construction Manager and any Sub-contractor, not otherwise exempted, shall:

55.2.1 For the length of the Contract, hire DBE's from within the drawing area to satisfy the agreed upon goals and timetables. Should the union with which the General Contractor or Sub-contractor have collective bargaining agreements be unwilling to provide sufficient DBE's to satisfy the agreed upon goals and timetables, the General Contractor and Sub-contractors shall hire DBE's from other sources within the drawing area.

Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled. MBE, WBE, Veterans, Disabled Veterans and Disabled make up Diverse Business Enterprises (DBE)

55.2.2 The equal employment provisions of The Act may be met in part by the Construction Manager contracting to a DBE contractor or Sub-contractor. A DBE contractor, or Sub-contractor shall mean a business established under the definition of a DBE in Article 55.2.1

55.2.3 The Construction Manager shall, for the length of the Contract, furnish such information as required by The Act and by such rules, regulations and orders issued pursuant thereto and will permit access by the contracting agency and the department to all books and records pertaining to its employment practices and Work sites for purposes of investigation to ascertain compliance with The Act and such rules, regulations and orders issued pursuant thereto.

55.3 If the Construction Manager is found to have committed an unlawful practice against a provision of The Act during the course of performing under this Contract, a Trade Contract or a subcontract covered under The Act, the Owner may cancel or terminate the Contract, conditioned upon a program for future compliance approved by the Owner. The Owner may also declare such Construction Manager ineligible to submit proposals on further contracts until such time as the Construction Manager complies in full with the requirements of The Act.

55.4 Any provisions of The Act notwithstanding, the Construction Manager shall not be required to terminate an existing employee, upon proof that employee was employed prior to the date of the Contract, nor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

END OF DOCUMENT

AGREEMENT BETWEEN
UNIVERSITY OF KENTUCKY
AND
CONSTRUCTION MANAGER AT RISK

THIS AGREEMENT, made the _____ day of _____ by and between _____
_____ ("Construction Manager"), and the UNIVERSITY OF
KENTUCKY, ("Owner"), is to bind the parties hereto to the principles and terms set forth
herein, and shall be binding upon the parties hereto.

WITNESSETH, that the Construction Manager and Owner for the consideration hereinafter
named, agree as follows:

ARTICLE No. 1: SCOPE OF WORK:

Construction Manager shall provide all Construction Management Services for the _____
_____ project # _____ and
shall furnish and perform everything required by the contract documents.

PROJECT: _____ (the "Project")

The contract documents include this Agreement, the Owner's Request for Proposal
Numbered _____ and as modified by Addenda _____ the Construction Manager's
technical and financial proposals dated _____ and _____ respectively, the
General Conditions, the Special Conditions, the Construction Manager's Bonds and
Insurance and Affidavit, the Specifications, the Drawings including Supplemental Drawings
and Change Orders issued after execution of the Contract for the Work described in Article
No. 1 of this Agreement, all of which are incorporated in and made a part thereof by
reference, and which shall be binding upon the Construction Manager and Owner.

ARTICLE No. 2: TIME OF COMPLETION:

Time is of the essence in this contract. The Construction Manager must begin Work specified
by the written Work Order from the Owner. The Construction Manager shall achieve
substantial completion of the work (as further defined in Article 1 of the General Conditions)
for each phase of the Work as specified in the Work Order letter, and Final Completion for
each phase shall be 30 days thereafter.

ARTICLE No. 3 LIQUIDATED DAMAGES:

3.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum _____ (\$ _____) for each consecutive calendar day that Substantial Completion has not been met.

3.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of _____ (\$ _____) for each consecutive calendar day until Final Completion is reached.

ARTICLE No. 4: THE CONTRACT AMOUNT:

Subject to additions and deductions for Change Orders made in accordance with the Contract Documents, the Owner shall pay the Construction Manager as full consideration for the Construction Manager’s satisfactory performance of the Contract obligations the sum of : _____ Dollars and _____ Cents (\$ _____)

ARTICLE No. 5: SPECIAL NOTICE:

The Construction Manger certifies that it is fully informed of the conditions relating to construction and labor under which the Work under this Agreement is to be performed, and agrees that it shall employ, methods and means in carrying out the Work so as not to interfere with or interrupt the Work of any other Contractor working on/or adjacent to the site for this Work.

IN WITNESS WHEREOF this Agreement is executed in two (2) counterparts, each one of which shall be deemed an original and adequate proof of this Agreement, on the date and year first herein before written.

WITNESS:

CONSTRUCTION MANAGER: _____

Company Name

BY: _____

Title: _____

Approved for Legality and Form

Recommended By:

APPROVED: _____

Kevin Locke

AVP Capital Planning, Design & Construction

UNIVERSITY OF KENTUCKY

By: _____

Eric Monday

Executive Vice President for Finance and
Administration

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION

PAYMENT BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the "Owner") and _____
_____ (the "Principal") have entered into a contract for the construction of Project # _____
_____ (the "Project"); with the contract price or amount of \$ _____

WHEREAS, the Principal is required to furnish a payment bond for the protection of all persons performing, supplying, or furnishing labor, materials, equipment, or supplies to the contractor or its subcontractors for the performance of the work provided for in the contract, including security for payment of all unemployment contributions which become due and payable under Kentucky unemployment insurance law, in an amount equal to one hundred percent (100%) of the original contract price or amount, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, _____ (the "Surety"), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations:** The recitals above are true and substantive parts of this instrument.
2. **Definitions:** The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Claimants** means all persons having just and lawful claims for (i) labor, materials, services, insurance, supplies, machinery, equipment, rentals, fuels, oils, implements, tools, appliances, and any other items of whatever nature, furnished

for, used or consumed in the prosecution of the work called for by the Contract, whether lienable or non-lienable and whether or not permanently incorporated in said work; (ii) pension, welfare, vacation, and other supplemental employee benefit contributions payable under collective bargaining agreements with respect to persons employed upon said work; and (iii) federal, state, and local taxes and contributions required by law to be withheld and paid with respect to the employment of persons upon said work.

(c) **Contract** means that certain agreement dated _____ for the construction of Project # _____ all documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).

(d) **Contract Change** means any change order, change of time, extension of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.

3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, to pay all Claimants having just and lawful claims (as defined above). The Principal and Surety likewise guarantee the faithful payment of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is \$_____ which shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety's obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term of the Contract, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) promptly pays all Claimants; (b) satisfies all claims and demands incurred under the Contract; and (c) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal's failure to do so. The Bond will otherwise remain in full force and effect.

- 6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.
- 7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.
- 8. **Beneficiaries:** The Principal and Surety agree that (a) the Bond will insure to the benefit of the Owner and all Claimants having just and lawful claims (as defined above) (collectively the "Beneficiaries"), whether or not they have any direct contractual relationship with the Principal; (b) the Beneficiaries may maintain independent actions upon this Bond in their own names; and (c) no final settlement between the Owner and Principal will abridge the right of other Beneficiaries with unsatisfied claims.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of _____

ATTEST:

WITNESSES:

_____ PRINCIPAL

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:

WITNESSES:

_____ SURETY

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION

PERFORMANCE BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the "Owner") and _____
_____ (the "Principal") have entered into a contract for the construction of Project # _____
_____ (the "Project"); with the contract price or amount of \$ _____

WHEREAS, the Principal is required to furnish a performance bond for the faithful performance of the contract in an amount equal to one hundred percent (100%) of the contract price or amount as it may be increased, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, _____ located at _____
_____ (the "Surety"), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations**: The recitals above are true and substantive parts of this instrument.
2. **Definitions**: The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Contract** means that certain agreement dated _____ for the construction of Project # _____ all

documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).

- (c) **Contract Change** means any change order, change of time, extensions of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.
3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, for the full and faithful performance of the Contract and any Contract Changes. The Principal and Surety likewise guarantee the faithful performance of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is \$ _____ which shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety's obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term thereof, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) well, truly, and faithfully performs its duties to the Owner; (b) performs the Contract; (c) satisfies all claims and demands incurred under the Contract; (d) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal's failure to do so; and (e) reimburses and repays the Owner all such expenses and outlay, without limitation, which the Owner may incur in making good any default. The Bond will otherwise remain in full force and effect.
6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.

7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of _____.

ATTEST:

WITNESSES:

PRINCIPAL

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:

WITNESSES:

SURETY

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

A F F I D A V I T

Comes the affiant and after having been duly sworn states as follows:

1. That affiant is the Construction Manager awarded a contract by the University of Kentucky on Project # _____ , Construction Management Services _____
_____.
2. That all contractors and subcontractors employed, or that will be employed, under the provisions of this contract are in compliance with Kentucky requirements for Workers' Compensation Insurance according to KRS Chapter 342 and Unemployment Insurance according to KRS Chapter 341.

Further, the affiant sayeth naught.

By: _____

Title: _____

Construction Manager: _____

State of _____)

County of _____)

Subscribed and sworn to before me by _____ on this _____

day of _____, _____.

My commission expires _____

Notary Public, State at Large

010000S01- Special Conditions – Construction Manager at Risk

UNIVERSITY OF KENTUCKY
SPECIAL CONDITIONS OF THE CONTRACT
FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK

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ARTICLE 01 GENERAL INFORMATION

1.1 These Special Conditions are intended to modify, supplement, or delete from, applicable Articles of the General Conditions.

1.2 Where any Article of the General Conditions is supplemented by these Special Conditions, the Article shall remain in effect and the supplement shall be added thereto.

1.3 Where Special Conditions conflict with General Conditions, provisions of the Special Conditions take precedence.

ARTICLE 02 PERMITS AND FEES

The Lexington Fayette Urban County Government (LFUCG) Sewer Tap Fee shall be secured and paid for by the Construction manager. The sewer tap fee is for all projects, regardless of type, is presently calculated by the LFUCG and is based on \$.842 per square foot.

ARTICLE 03 (NOT USED)

ARTICLE 04 CONSULTANT

4.1 Wherever in these Contract Documents reference is made to the Consultant, it shall be understood to mean Sherman Carter Barnhart Architects or their duly authorized representatives. (See Article 2 of the General Conditions.)

ARTICLE 05 GEOTECHNICAL REPORT

5.1 No subsurface or geotechnical survey information is available at this time; however, one will be performed and be made available to the successful Construction manager..

ARTICLE 06 TIME FOR COMPLETION

6.1 The time for Substantial Completion as further defined in Article 1 of the General Conditions shall be on or before **June 6, 2026**, and Final Completion shall be 30 days thereafter.

ARTICLE 07 LIQUIDATED DAMAGES

7.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of Eight Hundred Seventy Five Dollars (\$875.00) for each consecutive calendar day that Substantial Completion has not been met. See Article 3 of the Agreement.

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7.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of Three Hundred Fifteen Dollars (\$315.00) for each consecutive calendar day until Final Completion is reached. See Article 3 of the Agreement.

ARTICLE 08 SUBMITTALS AND SHOP DRAWINGS

8.1 SUBMITTALS - GENERAL

8.1.1 The Construction Manager shall submit each set of Shop Drawings, product data, samples, and test and/or certification reports and samples as a separate item in UK E-Communication[®]. Projects not utilizing UK E-Communication[®] must submit all items electronically to the Consultant and the UK Project Manager and Administrative Coordinator.

8.1.2 All sample selections for color shall be submitted for approval at the same time. Color selections shall not be submitted individually.

8.1.3 Any deviation from the Contract Documents shall be noted on the transmittal form comment section.

8.1.4 All submittals are to be reviewed by the Construction Manager for compliance with the Contract Documents before submission for approval. All submittals are to be initiated by the Construction Manager. Submittals made directly to the Consultant by sub-contractors, manufacturers or suppliers will not be accepted or reviewed.

8.1.5 Re-submittals shall conspicuously note all changes from earlier submissions. Special notation by the Construction Manager shall be made to any changes other than those made in response to the Consultant's review.

8.1.6 Manufacturers shall, when requested by the Consultant, submit test reports prepared by reputable firms or laboratories certifying as to performance, operation, construction, wearability, etc., to support claims made by the manufacturer of the equipment or materials proposed for inclusion in the Work. Construction Manager shall also submit a list of three (3) installations where said equipment or materials have been in service for a minimum of five (5) years.

8.2 SUBMISSIONS - REVIEW

8.2.1 Review of submittals is only for compliance with the design concept and the contract documents. **THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR CHECKING DEVIATIONS FROM CONTRACT DOCUMENT REQUIREMENTS OR CHANGES FROM EARLIER SUBMISSIONS NOT SPECIFICALLY NOTED.**

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8.2.2 The following shall be verified prior to making submittals:

Field Measurements, Field Construction Criteria, Catalog numbers and similar data, Quantities and Capacities, and Compliance with requirements, including verification of all dimensions,

8.2.3 Review Stamp designations shall be as follows:

8.2.3.1 “NET = No Exceptions Taken”: Proceed with the Work, no corrections needed.

8.2.3.2

"FC= Furnish as Corrected”: Proceed with the Work, noting the corrections/conditions of the approval.

8.2.3.3 "RR = Revise and Resubmit": Do not proceed with the Work, as the submittal does not comply with the Contract Documents. Revisions to the submittal are required for approval. On projects utilizing UK E-Communication, “Send Back a Step” is used in lieu of “Revise and Resubmit”

8.2.3.4 "R = rejected": Do not proceed with the Work, the submittal is rejected.

8.3 SUBMISSIONS - SPECIAL PROVISIONS

8.3.1 In making a submittal, the Construction Manager shall be deemed to be making the following representations:

8.3.1.1 The Construction Manager understands and agrees that he shall bear full responsibility for the products furnished. The Construction Manager expressly warrants that products described in the attached submittal will be usable and that they conform to the Contract requirements unless specifically noted otherwise.

8.3.1.2 The Construction Manager understands and agrees that, without assuming design responsibility, he expressly warrants that products described in the attached submittal are capable of being used in accordance with the intent of the design documents and that they conform to the Contract requirements unless specifically noted otherwise.

8.3.1.3 The Construction Manager acknowledges that the Owner will rely on the skill, judgment, and integrity of the Construction Manager as to conformance requirements and subsequent usability.

8.4 SHOP DRAWING AND PROCUREMENT SUBMITTAL LOG

8.4.1 The Construction Manager, within ten (10) days after the Pre-Construction meeting, shall begin uploading submittals using UK E-Communication[®], to generate a log fixing the dates for submission of Shop Drawings, special order material items, certifications, guarantees, and any other items required to be submitted to the Consultant

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for review, approval or acceptance. Projects not utilizing UK E-Communication® will submit a Shop Drawing Log provided by the Owner during the Pre-Construction Meeting.

8.4.2 The log shall track all submittals to date. The updated log shall then be reviewed and discussed at each progress meeting to determine items that may impact the construction schedule.

8.5 Shop Drawings

8.5.1 The Construction Manager shall review, approve, and submit Shop Drawings to the Consultant, in accordance with the Consultant's Shop Drawing & Procurement Submittal Log or UK E-Communication®, as herein detailed. By approving and submitting Shop Drawings, the Construction Manager represents that he has determined and verified all materials, field measurements, and field construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

8.5.2 The Construction Manager shall submit Shop Drawings required for the Work and the Consultant will review and take appropriate action. The review and approval shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The approval of a separate item will not indicate approval of the assembly in which the item functions.

8.5.3 The Construction Manager shall make any corrections required by the Consultant for compliance to the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions. The Construction Manager's stamp of approval on any shop drawing or sample shall constitute a representation to Owner and Design Consultant that the Construction Manager has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or he assumes full responsibility for doing so, and that he has reviewed or coordinated each shop drawing or sample with the requirements of the Work and the Contract Documents.

8.5.4 Where a shop drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been approved by the Design Consultant. A copy of each approved shop drawing and each approved sample shall be kept in good order by the Construction Manager at the site and shall be available to the Consultant.

8.5.5 The Consultant's approval of Shop Drawings or samples shall not relieve the Construction Manager from his responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the

010000S01- Special Conditions – Construction Manager at Risk

Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any approval by the Consultant shall not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

8.5.6 All submittals are to be submitted electronically by the contractor. Shop Drawings submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Workflow in UK E-Communication® will be established during the workflow meeting. Each individual Shop Drawing shall have its respective specification number and description highlighted.

8.5.7 Where Shop Drawings include fire alarm, communication systems schematics, sprinkler systems, etc., a sepia of each drawing shall be submitted to the Consultant as part of the "Record" set of drawings.

8.6 SUBMISSIONS - SAMPLES

8.6.1 Office samples shall be of sufficient size and quantity to clearly illustrate functional characteristics of the product with integrally related parts and attachment devices, and full range of color, texture, and pattern.

8.6.2 Products shall not be used until the sample has been submitted to and approved by the Consultant.

8.6.3 A minimum of two (2) samples are required to be submitted to the Consultant for review and approval and will be distributed as follows:

- a) One to be retained by the University;
- b) One to be returned to the Design Consultant;
- c) An additional sample or samples may be submitted, at the Construction Manager's option, for distribution to a third party.

8.6.4 Field samples (block, brick, etc.) of materials to be constructed at the site shall be submitted for review as required by the individual section of the Contract Documents.

8.7 SUBMISSIONS - OPERATION AND MAINTENANCE MANUALS

8.7.1 The University requires a minimum of one (1) digital copy of the final installation, training, operation, maintenance, and repair manuals to be turned over to the Owner's Project Manager and approved for content by the Consultant by or before the time construction is 75% complete. Projects utilizing e-Communication will create digital copy from the Document Library (Closeouts) in e-Communication. The Closeout Log must contain individual line items for each physical copy submitted with corresponding PDF attachments. Operation and maintenance manuals and materials, where specified, for mechanical and electrical equipment and for operating items other than mechanical

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and electrical equipment must be submitted in PDF format with a separate PDF file for each item. In the event the Construction Manager fails to provide these required electronic submittals prior to reaching seventy-five (75%) completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

8.7.2 Manuals provided must be of sufficient detail to enable the Owner or others to install, calibrate, train, operate, maintain, service and repair every system, subsystem, and/or piece of equipment installed on or as part of this Contract. Manuals submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Each manual must contain:

8.7.2.1 Project Title, Project number, Location, dates of submittals, names, addresses and phone number for the Consultant, Construction Manager, and Construction Manager's Sub-contractors;

8.7.2.2 An Equipment Index that includes vendors' names, addresses, and telephone numbers for all equipment purchased on the Project;

8.7.2.3 Emergency instructions with phone numbers and names of contact persons on warranty items shall be uploaded to UK E-Communication®;

8.7.2.4 Copies of each system's air balancing record and each system's hydronic balancing record (1) physical copy and (1) digital copy in eCommunication;

8.7.2.5 Copy of valve tag list;

8.7.2.6 Copy of As-Built temperature control system drawings and components and sequence of operation;

8.7.2.7 Original copies of the following provided by the manufacturer:

Installation manuals	Instruction Manuals
Training manuals	Calibration manuals
Service Manual	Operation manuals
Parts list	Repair manuals
Reviewed Shop Drawings	Wire list
	Keying Bit List

8.7.2.8 Any Computer, Micro controller, and/or Microprocessor equipped equipment installed shall be provided with source code copies of all software and firmware (prom, eprom, rom, other) supplied on this Contract; and

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8.7.2.9 Copies of all inspection and guarantee certificates, manufacturers' warranties with the University of Kentucky listed as the Owner for all equipment provided and/or installed.

8.7.2.10 Refer to the Official Design Standards 017800S01 – Closeout Submittals for full details <https://www.uky.edu/cpmd/download/file/fid/78986>

8.7.2.11 If the O&M Manual from any one vendor covering several different model numbers, the model used on the Project must be highlighted.

8.7.2.12 Included in the front of the "Operation and Maintenance Manual" shall be a copy of the Interior and Exterior Finish plan and Schedule listing all finish materials, the manufacturer, the finish color, and the manufacturer's paint number.

8.7.2.13 Photograph album containing digital images (.pdf format) showing buried utilities and concealed items shall be included.

8.8 SUBMISSIONS – AS - BUILT SET OF DRAWINGS

8.8.1 The Construction Manager shall submit one (1) electronic copy of As - Built set of drawings in PDF format indicating all deviations of construction as originally specified in the Contract Documents. These As-Built Drawings will compile information from the Construction Manager as well as all Sub-contractors. The Construction Manager shall provide a qualified representative to update the As - Built set of drawings as construction progresses. As-Built submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed.

8.8.2 The Construction Manager shall provide and utilize a camera to photograph the installation of buried utilities and concealed items. The Construction Manager shall provide digital images (.pdf format), which shall be submitted as part of the Operation and Maintenance Manuals submission.

8.8.3 Approval of the Final Payment request will be contingent upon compliance with these provisions. The Construction Manager's As – Built set of drawings shall be delivered to the Consultant at their completion so that the Consultant may make any changes on the original contract drawings.

8.9 SUBMISSIONS - SAP EQUIPMENT LIST

8.9.1 Complete equipment list for use with SAP software in electronic spreadsheet format. Data is to be provided in Unifomat format with the information being provided for individual locations as noted in Attachment A – Unifomat Component List. Information is to be provided as follows (MCPPD or CPPD will provide blank Excel spreadsheets in electronic form for use in compiling the information, if desired)

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8.9.2 All materials that require preventative maintenance (PM) are listed as in Attachment A. The equipment list is to be provided in Excel spreadsheet format and is to include the information listed in Attachment B

8.9.3 Required maintenance procedure listing each work task in Excel spreadsheet format as shown in Attachment C.

8.9.4 Required frequency of maintenance for the work tasks outlined in 8.9.3 above and included in the Attachment C spreadsheet

8.9.5 Listing of maintenance parts and items: i.e. filters, lubricants, etc. for each work task listed in 8.9.3 above.

8.10 SUBMISSIONS – MAINTENANCE MATERIALS

8.10.1 If specified, Maintenance/Replacement Materials, Spare Parts, and special maintenance tools for proper maintenance shall be provided by the CM At Risk.

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ARTICLE 8.9 Attachment A – Unifomat Component List

SAP Object Type No.	Component Name
D5030.0232	Access Control Panel
D3050.0110	Air Conditioning Comp Rm Unit
D3030.0610	Air Conditioning Compressor
D3030.0620	Air Conditioning Condensing Unit
D3050.0120	Air Conditioning Pkg Rooftop Unit
D3050.0130	Air Conditioning Pkg Terminal Unt
D3030.0630	Air Conditioning Split System
D3050.0140	Air Conditioning Unit Package
D3050.0150	Air Conditioning Unit Window
D3050.0710	Air Curtain / Heater
D2090.0120	Air Dryer
D3010.0443	Air Eliminator
D3040.0110	Air Handling Unit
D5090.0220	Auto Transfer Switch - Electrical
	Automatic Door Operator
D2020.0330	Backflow Preventers
D3020.0110	Boiler, Steam System
D5030.0241	Camera
D5030.0231	Card Access System
D3030.0300	Chiller, Reciprocate
E1090.0250	Chutes & Collectors
D5010.0510	Circuit Breaker Panel
F1020.0230	Clean Rooms
F1020.0240	Cold Storage Rooms
D2090.0110	Compressor, Air
D3060.0250	Controls, Building System
E1090.0317	Cooler, Commercial
D3030.0510	Cooling Tower, Packaged
D2010.1300	Copper Silver Ion Equipment
D4090.0510	Dampers Fire
D4090.0500	Dampers Fire/Smoke
D4090.0520	Dampers Smoke
D3050.0400	Dehumidifiers
D2090.0200	Deionized Water System
E1090.0391	Dishwasher, Commercial
B2030.0160	Door, Auto Entrance
B2030.0100	Door, Exterior Entrance

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C1020.0330	Door, Fire Separate
C1020.0320	Door, Smoke Partition
D2010.0800	Drinking Fountain
D5010.0350	Electric Switchboard
E1030.0310	Elevator, Dock Leveler
D1090.0120	Elevator, Dumbwait Electric
D1090.0130	Elevator, Dumbwait Hydraulic
D1010.0140	Elevator, Hydraulic Freight
D1010.0120	Elevator, Hydraulic Passenger
D1010.0230	Elevator, Platform Lift
D1010.0240	Elevator, Sidewalk Lift
D1010.0130	Elevator, Traction Freight
D1010.0110	Elevator, Traction Passenger
D1010.0220	Elevator, Wheelchair Lift
D2010.1100	Emergency Eyewash
D2010.1000	Emergency Eyewash/Shower
D5090.0810	Emergency Generator
D2010.1200	Emergency Shower
D3050.0600	Energy Recovery Unit
F1020.0260	Environmental Unit
D3040.0120	Fan
D3050.0520	Fan Coil Unit
D3040.0122	Fan, Axial
D3040.0121	Fan, Centrifugal
D3040.0410	Fan, Exhaust
D5030.0141	Fire Alarm Annunciator
D5030.0134	Fire Alarm AV Devices
D5030.0139	Fire Alarm Door Holder
D5030.0144	Fire Alarm Duct Detector
D5030.0133	Fire Alarm Heat Detectors
D5030.0136	Fire Alarm Horns
D5030.0131	Fire Alarm Panel
D5030.0135	Fire Alarm Pull Station
D5030.0137	Fire Alarm Signal Speaker
D5030.0132	Fire Alarm Smoke Detectors
D5030.0130	Fire Alarm System
D5030.0138	Fire Alarm Visual Signal Dev
D4030.0200	Fire Blanket & Cabinet
D4030.0100	Fire Extinguisher Cabinet
D4030.0300	Fire Extinguisher Wheeled
D4090.0300	Fire Extinguishing System, Clean

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D4090.0200	Fire Extinguishing System, CO2
D4090.0400	Fire Extinguishing System, Dry Chemical
D4090.0100	Fire Extinguishing System, Foam
D4090.0000	Fire Extinguishing System, Other
G3010.0310	Fire Hydrant
E1090.0330	Food Cooking Equipment
E1090.0310	Food Stor/Prep Equipment
D2090.0400	Fuel Oil System
D3040.0460	Fume Hood System
D3020.0310	Furnaces
D2030.0260	Grease Trap
D3050.0580	Heat Exchanger
D2020.0260	Heater Domestic Water
D3050.0521	Heater, Cabinet Unit
D3050.0581	Heater, Cast Iron Radiator
D3050.0530	Heater, Fin Tube Radiation
D3050.0540	Heater, Induction Unit
D3050.0560	Heater, Unit
D3050.0570	Heater, Unit Vent
F1040.0700	Heliport System
E1090.0340	Hood/Vent Equip
D3050.0300	Humidifier
E1090.0380	Ice Machines
D5020.0330	Light, Emergency Exterior
D5020.0230	Light, Emergency Interior
D5020.0231	Light, Exit
E1020.0831	Medical Air Compressor
E1020.0900	Medical Gas Alarm
E1020.1000	Medical Gas Area Alarm
E1020.0840	Medical Gas Auto Pressure Switch
E1020.0834	Medical Gas Manifold
E1020.0835	Medical Gas N2O
E1020.0839	Medical Gas Outlet
E1020.0837	Medical Gas Shut-off Valve
E1020.0830	Medical Gas System
E1020.0838	Medical Nitrogen
E1020.0810	Medical Sterilizer Equipment
E1020.0832	Medical Vacuum Pump
D5010.0711	Motor Control Center
D5010.0720	Motor, Electric
D5030.0431	Nurse Call System

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E1090.0210	Packaged Incinerator
D3010.0550	Packaged Solar Equipment
D5030.0420	Paging Systems
C1010.0180	Partition Fire Rated
C1010.0190	Partition, Smoke
D1090.0141	Pneumatic Tube Blower
D1090.0142	Pneumatic Tube Station
D1090.0140	Pneumatic Tube System
D1090.0143	Pneumatic Tube Transfer Unit
D3010.0430	Pump
D3030.0710	Pump, Air Source Heat
D3010.0432	Pump, Chilled Water
D2020.0222	Pump, Domestic Hot Water Recirculation
D2020.0221	Pump, Domestic Water Booster
D4010.0111	Pump, Fire
D3010.0431	Pump, Heating Water
D4010.0112	Pump, Jockey Fire
D3030.0720	Pump, Rooftop Heat
D3010.0433	Pump, Steam
D2040.0270	Pump, Sump
D2030.0330	Pump, Waste
D2020.0220	Pump, Water Booster
D3030.0730	Pump, Water Heat
E1090.0315	Refrigerator/Freezer, Commercial
D3040.0123	Return Air Fan
D2090.1200	Reverse Osmosis System
D3030.0420	Scroll Chiller
D4010.0300	Sprinkler, Combo System
D4010.0400	Sprinkler, Deluge System
D4010.0200	Sprinkler, Dry-Pipe
D4020.0100	Sprinkler, Standpipe
D4010.0100	Sprinkler, Wet-Pipe
D3050.0310	Steam Generator
D5010.0840	Switchgear, Medium Voltage
D3010.0441	Tank, Expansion Compressor
D2020.0310	Tank, Expansion Domestic
D2020.0320	Tank, Expansion Reheat
D2090.0410	Tank, Fuel Oil
D3010.0444	Tank, Steam Flash
D5010.0210	Transformer, Low-Volt 2nd
D5010.0410	Transformer, Low-Volt Inter

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D5010.0110	Transformer, Main
D3020.0150	Trap, Steam
D5090.0110	UPS - Computer
D5090.0120	UPS - Other
D2090.1310	Vacuum Pump
D3010.0435	VFD - Pump
D3040.0190	VFD HVAC
D5010.0850	VFD/VSD
E1090.0316	Walk-in-Refrigerator
D2090.0210	Water Softener Equipment
D3010.0490	Water Treatment Equipment

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ARTICLE 8.7.3 Attachment B – Equipment List Spreadsheet Data Categories

Unifomat	
Component ID	
Component Name	
Description	
Name	
Equipment No.	MCPPD or CPPD will enter this data
Model No.	
Room Location	
Functional Location	MCPPD or CPPD will enter this data
Manufacturer	
Supplier	
Installing Contractor	
Serial No.	
Main Work Center	MCPPD or CPPD will enter this data
Comments(30 char's)	MCPPD or CPPD will enter this data
Critical	MCPPD or CPPD will enter this data
JCAH Code	MCPPD or CPPD will enter this data
Patient Room?	MCPPD or CPPD will enter this data
Vendor ID	MCPPD or CPPD will enter this data
Vendor Type	MCPPD or CPPD will enter this data
Vendor - Other Info	MCPPD or CPPD will enter this data
Equipment Life	MCPPD or CPPD will enter this data
Area Serviced	
Contains Lead?	
Contains Asbestos?	
Contains PCBs?	
Motor Frame	
Motor Style	
Motor HP	
Motor Phase	
Motor Volts	
Motor RPM	
Fan CFM	

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Fan RPM	
Fan Static	
Fan Type	
Fan RPM 2	
Pump Head	
Pump Inlet	
Pump GPM	
Pump Outlet	
Motor Oper Amps	
Condition	MCPD or CPD will enter this data
Disconnect Location	
Motor FLA	
Belts	
Filters	

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ARTICLE 8.7.3 Attachment C - Example Preventative Maintenance Procedures

Description	Name	Equipment No.	Frequency	Maintenance Procedure	Maintenance Parts & Items
Air Handling Unit	AHU-1	M-12345	Monthly	Check Belts	
Air Handling Unit	AHU-1	M-12345	Quarterly	Grease bearings	Grease type xyz
Air Handling Unit	AHU-1	M-12345	Annually	Replace Belts	Belt model abc-123
Air Handling Unit	AHU-2	M-98765	Monthly	Check Belts	

The blue highlighted column will be filled in by MCPPD or CPPD.

ARTICLE 09 PLANS, DRAWINGS, AND SPECIFICATIONS

9.1 The successful Construction Manager will receive a digital copy (.pdf) sets of plans and specifications. Construction Manager will be required to pay for cost of duplication for all sets required. One official, physically printed, clean copy of the permit set is to be located at the jobsite at all times.

9.2 The University will provide (1) Digital copy (.pdf) of the ‘Official Contract Documents’ book to the successful Construction Manager. One official, physically printed, clean copy of the permit set is to be located at the jobsite at all times.

9.3 All drawings, specifications and copies, thereof, prepared by the Consultant, are the property of the University of Kentucky. They are not to be used on other Work.

ARTICLE 10 PROGRESS MEETINGS

10.1 In addition to specific coordination and pre-installation meetings for each element of Work, and other regular Project meetings held for other purposes, progress meetings will be held as outlined at the Preconstruction Meeting. Each entity then involved in planning, coordination or performance of Work shall be properly represented at each progress meeting. The following areas will be covered at each progress meeting: current status of work in place, CM’s review of upcoming work (1 month look ahead), schedule status, upcoming outages, new outage requests, shop drawings due from contractors, shop drawings being reviewed, outstanding RFI’s, outstanding proposed change orders, change orders, new business, As-Built updated, close-out documents status, defective work in place issues, review “pencil copy” of payment application, safety issues and new business or other issues not covered above.. With regard to schedule status, discuss whether each element of current work is ahead of schedule, on time, or behind schedule in relation with updated progress schedule; determine how behind-schedule Work will be expedited, and secure commitments from entities involved in doing so; discuss whether schedule revisions are required to ensure that current Work and subsequent Work will be completed within Contract Time; and review everything of significance which could affect the progress of the Work.

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10.2 Construction Manager shall prepare and submit at each progress meeting an updated schedule indicating Work completed to date and any needed revisions.

10.3 With the express purpose of expediting construction and providing the opportunity for cooperation of affected parties, progress meetings will be held and attended by representatives of:

- (1) The Owner's Project Manager
- (2) The Consultant.
- (3) Construction Manager.
- (4) Subcontractors.
- (5) Others requested to attend (as deemed necessary by CPMD).
- (6) Physical Plant Division Representative

10.4 A location near the site will be designated where such progress meetings will be held. Participants will be notified of the dates and times of the meetings by the Consultant.

ARTICLE 11 CRITICAL PATH METHOD (CPM) SCHEDULE

11.1 Construction Manager shall prepare Critical Path Method (CPM) type schedules in accordance with General Conditions Article 32 with separate divisions for each major portion of the Work or operation. The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. If approved by the University, and at the sole discretion of the University, schedules submitted using earlier versions of Primavera scheduling software (Primavera SureTrak or Primavera P3) may be converted to Primavera P6 format by the University for review purposes. However, the University will not be responsible for any inaccuracies that may result from such conversions. All schedule submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format.

11.1.1 CPM schedules shall be based on generally accepted good practices for the development of construction schedules including limited use of long activity durations, long total float values or relationships based on leads or lags. Schedules shall include all activities necessary for performance of the work showing logic (sequences, dependencies, etc.) and duration of each activity. The schedules shall provide information for all elements of the Work in sufficient detail to accurately demonstrate the relative importance of each activity to the successful completion of the Project including but not necessarily limited to the following.

- a) Activities to be performed by the University or the Design Team.
- b) Activities describing time sensitive submittals and submittal processing.
- c) Activities describing fabrication and delivery of key materials or equipment.
- d) Activities to identify equipment start-up and testing, system commissioning, and Owner training.

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- e) Activities to identify Owner Furnished /Contractor Installed and Owner Furnished / Owner Installed material or equipment.
- f) Activities to denote all required inspections by the Owner or Design Team, and inspections by state or local agencies including receipt of necessary Certificate(s) of Occupancy.
- g) Activities to identify all dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.
- h) Activities to identify all contractually mandated constraints. Non-contractual constraints shall not be included in the Initial or Final Baseline schedules without explanation. Non-contractual constraints are for the convenience of the Construction Manager, shall not be a basis for delay claims, and may be temporarily removed by the University when schedules and updates are reviewed.
- i) Software coding of each activity to identify the applicable Phase; area and/or sub area where the work occurs; the trade subcontractor or party responsible for completion of the activity; whether the activity is a design activity, a bidding or procurement activity, a submittal activity, or a construction activity; and whether the activity is potentially weather dependent.
- j) The University may, at its sole discretion, also require that each activity be coded to indicate the section of the Technical Specifications that applies to the work.

11.1.2 Schedules shall include divisions for Work to be accomplished remote from the central construction site, (for example, modular or prefabricated units to be constructed off-site, or utilities to the site from outside the construction site such as chilled water, steam, electrical, communications, and fire service). Such Work shall be scheduled so that disruption resulting from construction will be minimized. Start dates and completion dates for utility construction must be maintained and completed in the shortest reasonable time.

11.2 An Initial Baseline Schedules shall be submitted to the Consultant and to the Owner within thirty (30) calendar days after award of the first bid Package or trade contract, and shall include detailed information regarding Work to be performed during the first ninety (90) days of the Project as well as milestone dates based on hammock or Level of Effort type activities that identify all major elements of the remainder of the Work. Any necessary revisions to the Initial Baseline Schedule shall be completed prior to submittal of the Final Baseline Schedule.

11.3 The Final Critical Path Baseline Schedule shall be submitted to the Consultant and to the Owner within seventy five (75) calendar days after award of the first bid Package or trade contract, shall be consistent with the information contained in the Initial Baseline Schedule prepared in accordance with Article 11.2 above, shall be a complete and comprehensive description of the Construction Manager's plan to complete the Work in accordance with the Contract, shall include all activities necessary to complete the Work, and shall show the complete sequence of construction by activity, with dates for beginning and completion of each element of construction as well as an indication of whether the activity might reasonably be delayed or impacted by bad weather. Sub-

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schedules shall be provided as may be necessary to define critical portions of the entire schedule.

11.3.1 If the Project is to be constructed in multiple phases or using multiple Bid Packages, the date for the start of work on each phase of the Project shall be the date on which the University approves the award of the first Trade Contract for work in that phase or Bid Package.

11.3.2 A separate schedule including decision dates for selection of finishes and delivery dates for Owner furnished items, if any, shall be provided showing submittal dates for Shop Drawings, product data, and material samples, as appropriate.

11.3.3 A separate schedule shall be provided identifying dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.

11.3.4 Activities, including Outages, which require action by or which are the responsibility of, the Owner or the Consultant under the terms of the Contract shall be properly indicated, and the responsible party shall be identified in the CPM schedule.

11.4 The Consultant will review schedules only for compliance with the intent of the Contract Documents. Such review shall not relieve the Construction Manager of any responsibility for compliance with the provisions of the Contract nor shall such review or any review comments constitute an amendment or modification of the Contract requirements. The Construction Manager shall be solely responsible for the means and methods to be employed to assure construction proceeds in accordance with the submitted schedule and for identifying all necessary activities, establishing activity sequencing and assigning activity durations and relationships to assure that the CPM schedule is an accurate and comprehensive description of the plan for the Work.

11.5 Up-dated progress schedules shall be submitted to the Consultant and to the Owner concurrently with each Application for Payment to indicate progress on each remaining activity as of the last working day prior to the date of the submittal and the projected completion date of each activity. Updated CPM schedules shall show the accumulated percentage of completion of each activity, and total percentage of Work completed, as of the date of the update. Each submittal of an update to the schedule shall include a narrative report that identifies and explains activities modified since the previous submittal, major changes in scope and other identifiable changes, problem areas, anticipated delays and impact on the schedule, and shall describe corrective action taken or proposed, and its effect. Schedules will be uploaded in UK E-Communication®'s Schedules Item Log.

11.6 Submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format along with a transmittal letter and related narrative report.

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11.7 Copies of updated CPM schedules are to be provided to the job site file and, as appropriate, to subcontractors, suppliers, and other concerned entities, including separate contractors. Recipients are to be instructed to promptly report, in writing, any problems anticipated in meeting the projected dates shown in the schedules.

11.8 The processing of all progress payments is contingent upon the submission of an updated CPM schedule. Only payment for bonds and limited Construction Manager mobilization costs will be approved for processing prior to receipt of the Initial and Final Baseline schedules

11.9 The processing of all change orders requesting a time extension to the contract is subject to the terms of Article 21 of the General Conditions to this Contract and is contingent upon the submission of a CPM schedule showing that the change order does indeed impact the contractually required completion dates for the Work. Time extensions for Change Orders that do not impact the contractually required completion dates for the Work will not be considered.

11.10 All time extensions shall be negotiated and made full, equitable and final, and incorporated in a revised CPM schedule at the time of Change Order issuance. No reservation of rights shall be allowed.

11.11 Float available in the schedule at any time shall not be considered for the exclusive use of either party to the contract, but will be a resource available to both the Owner and the Construction Manager. No time extensions will be granted for a delay unless the delay impacts the Project critical path as shown in the updated Project schedule most recently submitted to the Owner prior to the event, consumes all available float or contingency time, and extends the Work beyond the then current Contract completion date(s).

ARTICLE 12 WALK-THROUGH

12.1 After the "Work Order" is issued but before Work by the Construction Manager is started, a walk-through of the area is required to document the condition of the space, surfaces, or equipment. It is the responsibility of the Construction Manager to schedule the walk-through with the Owner's Project Manager, the Consultant, and other interested parties.

12.2 During the walk-through, Construction Manager shall identify all damaged surfaces or other defective items that exist prior to construction.

12.3 The walk-through shall be attended by Owner's Project Manager, a Representative of the user of the facility, the Construction Manager and the Consultant

12.4 Written documentation of the walk-through is to be provided by the Consultant with copies distributed to all parties. Polaroid type color photographs are to be provided and labeled by Construction Manager and one (1) copy of such photographs are to be

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given to Consultant. (Digital photos in a .jpg format are acceptable if submitted on digital media storage) All parties attending the walk-through agree on the list of damages.

ARTICLE 13 OWNER’S CONSTRUCTION REPRESENTATIVE

The Owner and Consultant may have personnel or representatives on this job that are to have access to the Construction Manager’s field office and reasonable office accommodations including a work area, internet, seating, and basic utilities.

ARTICLE 14 FIELD OFFICE

14.1 Construction Manager shall make his own provision for field office for his own personnel and for incidental use by their Subcontractors. Quantity and location are subject to approval of the Consultant and the Owner's Project Manager.

ARTICLE 15 TELEPHONE SERVICE

15.1 Construction Manager shall arrange through UKIT Communications and Network Systems for installation of on-site phone, internet and other communications services. Telephone service during the length of construction shall be paid for by the Construction Manager. (Cell phone/Nextel service in lieu of UKIT Communications and Network Systems phone service may be utilized at Construction Manager’s option.)

ARTICLE 16 CONSTRUCTION FENCE

16.1 Construction fencing will be designed and erected around job sites where there is a possibility of injury to employees, students or the public. Special precautions must be taken to protect the visually impaired, disabled, children and others using the University facilities. During active excavation/trenching operations, fencing shall be erected to prevent unauthorized entry into the site. All fencing shall comply with the current requirements of the International Building Code except where the following requirements are more stringent.

16.1.1 All job site perimeter fencing within 5 feet of a walkway, street, plot line, or public right-of-way shall be 8 feet in height. Perimeter fencing that blocks sidewalks must include signs directing pedestrians to a safe walkway or crosswalk. Signage may be attached to the fence, but may also be required to inform pedestrians of sidewalk closures and detours prior to arriving at the closed area. Construction Manager shall provide electrical pedestrian and general lighting along the top rail of the perimeter of the construction site fence to provide a minimum illumination level of 1.5 foot candles. Pedestrian and perimeter fence lighting shall be installed in conduit, raceway, and/or pathway system properly supported to the perimeter fence. Open or flexible cabling will not be acceptable.

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16.1.2 All job site perimeter fencing more than 5 feet from a walkway, street, plot line, or public right-of-way shall be a minimum of 6 feet in height unless International Building Code requirements are more restrictive due to the height of the structure and setback.

16.1.3 All fencing shall be of a woven material such as chain link or a solid type fence. Fencing shall include gates required for construction operations. Gates shall be lockable with both the Construction Manager's lock, and a lock provided by the Owner. Lock by Owner shall be keyed for the University Best GA key core. All locks to be "daisy-chained" to provide access to the Owner.

16.1.4 It shall be the Construction Manager's responsibility to determine the proper quality of materials and methods of installation of the fencing, with the understanding that it must be maintained in good condition, good appearance, rigid, plumb, and safe throughout the construction period. The fence does not have to be new material. The fence is to be erected on fence posts securely anchored in the ground. Provide a top bar or, with prior approval of the Owner, a wire shall be run through the top of the fence and attached to the end posts. A tension control device shall be installed as necessary. Use of sandbags, concrete weights, stakes, etc. to hold fence posts in place are not allowed. Penetrations in pavement or landscape walking surfaces may not be made without the approval of the Owner. Any damage caused by the fence installation shall be repaired in a manner satisfactory to the Owner. When fencing is to remain in place for 6 months or more a green fabric mesh must be provided for the full height and length of the fence. Fabric should be omitted for one section of fencing where blind corners occur or at pedestrian/vehicle intersections.

16.1.5 The Construction Manager shall be responsible for removing and replacing any fence sections and/or posts necessary for access to the site on a daily basis. The Construction Manager shall police such conditions to assure the fence and posts are reset in a timely manner and are specifically in place at the close of the working day.

16.1.6 If the Construction Manager fails to comply with the requirements of this Article 16, the Owner may proceed to have the work done and the Construction Manager shall be charged for the cost of the Work done by unilateral deductive change order.

16.1.7 Plastic construction fencing is not acceptable as a perimeter protection fence.

ARTICLE 17 PROJECT SIGN

17.1 The Construction Manager shall furnish, install and maintain a Project sign during this Project. This sign shall be 4' x 8' x 3/4" exterior grade plywood mounted on 4" x 4" posts. Design shall be as provided by the Owner at a later date and shall include the name of the Owner, Project, Consultant, and Construction Manager.

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17.2 No signs, except those attached to vehicles or equipment, may be displayed without permission from the Consultant and the Owner's Project Manager. No political signs will be permitted.

ARTICLE 18 PARKING

18.1 The University of Kentucky will make available for purchase by the Construction Manager of up to four (4) parking permits. The category of parking permit and location of parking is determined by the Director, Parking and Transportation Services, or a designee. Parking permits may be purchased by the Construction Manager to be used by the Construction Manager and/or the Construction Manager's subcontractors and employees during the construction period. The cost of each permit is based on the pro-rata annual cost and may be purchased from Parking Services, 721 Press Avenue, after the Contract is executed. Necessary documents required to purchase the passes will be available at the Pre-Construction Conference.

18.2 The Director, Parking and Transportation Services, or a designee will determine if parking is available for employees of the Construction Manager and subcontractors in the K lots at Commonwealth Stadium or elsewhere on Campus. The Construction Manager will be given thirty (30) days notice should conditions change that will affect parking at the designated parking area and it is necessary to relocate parking or terminate parking privileges. If parking is available, permits may be purchased from Parking Services, 721 Press Avenue at the appropriate monthly cost.

ARTICLE 19 SANITARY FACILITIES

19.1 At the beginning of the Project, before any Work is started, the Construction Manager shall furnish, install and maintain ample sanitary facilities for the workforce. Permanent toilets in the existing building shall not be used during construction of the Project. Drinking water shall be provided from an approved safe source, piped or transported as to be kept clean and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing governing health regulations.

ARTICLE 20 RULES OF MEASUREMENT

20.1 Rules of Measurement shall be established by the Consultant in the field. Actual measurement shall be taken in the field. These amounts shall become binding upon the Construction Manager and be adjusted as before mentioned.

20.2 The Construction Manager shall pay for and coordinate through the Consultant and/or the Owner's Project Manager all associated Work by utility companies including relocation of utility poles, installation of new street lights, relocation of overhead or underground lines, and any other Work called for on the Plans and in the Specifications.

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ARTICLE 21 ALLOWANCES

21.1 As stated in the General Conditions to the Contract, the Construction Manager shall have included in the Contract Amount all costs necessary to complete the Work. Costs based on “allowances” shall be permitted only for objectively quantifiable items and only with the prior written approval of the Owner. No allowances shall have been included in the calculation of the Construction Manager’s fixed fee quotation in par. 8.0 of the RFP.

21.2 Costs based on allowances may be included in Subcontract bid packages only with the prior written approval of the Owner, and only for objectively quantifiable material items.

21.3 Any allowance amounts included in a Subcontract bid package, but not expended for the approved task during the course of the work of that Subcontract, shall be deducted from the Construction Manager’s contract by Change Order. Any additional amounts necessary to pay for additional cost of an allowance in a Subcontract bid package shall be funded from the Construction Contingency Fund.

21.4 The University of Kentucky has entered into a price contract agreement with SimplexGrinnell for procurement of fire alarm and security systems. SimplexGrinnell will provide an allowance for this project which may include Fire Alarm Equipment and Security Equipment, including all required cable/wire, labor to install cable and wire and terminations of SimplexGrinnell supplied devices and panels. SimplexGrinnell will be a sub-contractor under a trade contract.

21.4.1 The Construction Manager shall include an allowance of \$ TBD for the work by SimplexGrinnell in the appropriate trade contractor’s scope of work.

21.4.2 The electrical contractor is to provide and install conduits and back boxes/junction boxes. All conduits will include a pull string. SimplexGrinnell will furnish and install all fire alarm and security equipment and wiring.

ARTICLE 22 CONSTRUCTION CONTINGENCY FUNDS

22.1 The Owner shall include an amount in the Project construction budget not to exceed one percent (1%) of the total cost of the construction, including the Construction Manager’s fixed fee, as a Construction Contingency Fund. The following are general / typical categories of changes to the Work that may, with the Owner’s prior written specific approval, be funded from this source:

22.1.1 Reasonable errors & omissions in the Construction Manager’s bidding and scoping processes;

22.1.2 Reasonable costs associated with schedule recovery that is not a direct result of the construction managers or a trade contractor’s failure to perform;

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22.1.3. Any costs or expenses incurred by the Construction Manager, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with the Contract for Construction and the best interests of Owner, that were not included in the Construction Manager's General Conditions Cost as submitted in the original fee proposal

22.1.4 Amounts necessary to fund cost overruns in approved allowance items within Subcontract bid packages, as described in Article 21.3, above.

ARTICLE 23 SEQUENCE OF CONSTRUCTION

23.1 Sequencing NA

23.2 All materials and equipment are to be brought into the project site from the approved staging location and are not to be brought through the existing buildings or loading docks. Any and **all** exceptions shall be approved by, and closely coordinated with, the Owner's Project Manager in advance of scheduling or performing the work.

23.2.1 The Construction Manager shall coordinate any road and sidewalk closings, utility disruptions, etc. which will affect the use of the existing building(s) with the Owner's Project Manager prior to commencing that Work.

23.3 The adjacent buildings and public areas will remain in use and the Owner shall have access to the existing building(s) throughout the duration of the Project. The Construction Manager shall coordinate construction activity to assure the safety of those who must cross the Project site and shall provide and maintain the necessary barriers and accommodations for a completely safe route of accessibility. The Construction Manager is to insure that all exits provide for free and unobstructed egress. If exits must be blocked, then prior arrangements must be made with the Owner's Project Manager.

23.4 The Construction Manager shall cooperate with the Owner in minimizing inconvenience to, or interference with normal use of existing buildings and grounds by staff, students, other Contractors, or the public. Construction Manager shall conduct operations to prevent damage to adjacent building structures and other facilities and in such a manner to protect the safety of building's occupants.

23.5 Special effort shall be made by the Construction Manager to prevent any employee from entering existing buildings for reasons except construction business. In particular, use of toilets, drinking fountains, vending machines, etc. is strictly prohibited.

ARTICLE 24 CRANE & MATERIAL HOIST OPERATIONS

24.1 Construction Manager shall provide appropriate barriers around crane and material hoist to protect pedestrian and vehicular traffic around operating area. When crane is operating or moving, flag men provided by Construction Manager shall be

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utilized to prevent pedestrian and vehicular traffic from crossing pathway of crane lift. Construction Manager's flag men shall coordinate these activities with the appropriate security personnel.

24.2 Crane and material hoist shall be safely secured and inaccessible during non-operating hours. Construction Manager shall coordinate operation or erection of a crane or material hoist in the vicinity of the Medical Center with Medical Center Aeromedical Operations (Med-evac helicopter).

24.3 Any damage to trees, shrubs or plant material at the placement of crane or material hoist shall be repaired by tree surgery or replaced as directed by Consultant.

ARTICLE 25 UTILITIES

25.1 When the various building systems are energized and connected to Owner's utility systems, but prior to turnover to and occupancy by the Owner, the Construction Manager is responsible to reimburse the Owner for Owner furnished utilities. These utilities include but not limited to steam, chilled water, domestic water, and electricity, provided by the Owner up to the date of Substantial Completion. Reimbursement will be payable monthly via a deductive change order to the contract. Unit costs for campus are as follows:

25.1.1 Steam is \$17.00/million BTU (1000 lb.) condensate measured through the building condensate meter (all condensate is to be returned).

25.1.2 Chilled Water is \$16.25/million BTU (1000 lb.) measured through the building BTU meter.

25.1.3 Electricity is \$0.105/KWH measured through the building electric meter.

25.1.4 Water is supplied by Kentucky American Water Company (KAWC). Construction Manager shall pay KAWC directly until the Owner's beneficial occupancy date. The Construction Manager shall pay KAWC directly for fire service.

25.1.5 Construction Manager shall furnish gas meter and Columbia Gas Company directly for service until the until the Owner's beneficial occupancy date.

25.1.6 Construction Manager shall obtain from and pay UKIT Communications and Network Systems for the use of telephone services.

25.2 UTILITY OUTAGES

25.2.1 Interruption of Utilities and Services: No utilities or services may be interrupted without full consent and prior scheduling of the Owner. Owner approval is required in writing for each disruption.

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25.2.1.1 ENTIRE BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of an entire building or group of buildings shall be three weeks written notice. The written notice shall include the type of utility to be interrupted, reason for outage, length of outage, what will be affected by the outage, and a statement of whether or not the materials are on hand to complete the Work. If a specific time is desired for the outage it should be included. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time, Work shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

25.2.1.2 SECTION OF A BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of a section of a building shall be a written request one week prior to outage. The written request shall include the type of utility to be interrupted, when the outage is desired, reason for outage, length of outage, and what will be affected by the outage. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time Work shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

ARTICLE 26 CLEANING AND TRASH REMOVAL

26.1 The Construction Manager shall keep clean the entire area of new construction and shall keep streets used as access to and from the site free of mud and debris.

26.2 All exit ways, walks, drives, grass areas, and landscaping must be kept free from debris, materials, tools and vehicles at all times. Trim weeds and grass within the site area.

26.3 Upon completion of the Work, Construction Manager shall thoroughly clean and re-sod grass areas damaged to match existing areas.

26.4 All utility markings are to be made with water based marking paint with low Volatile Organic Compounds (VOC's) and high solids.

26.5 Upon Completion of the project, buried utility paint markings sprayed on walks and hardscapes are to be removed by non-destructive means such as pressure washing.

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Do not use chemicals. If a washed area is noticeable, the entire surface must be washed and or blended to match surrounding areas.

26.6 The Construction Manager shall be responsible for removal from the site of all liquid waste or other waste (i.e., hazardous, toxic, etc.) that requires special handling on a daily basis.

26.7 Dumpsters will be provided and maintained by the Construction Manager.

26.8 During Work at the Project site, the Construction Manager shall clean and protect Work in progress and adjoining Work on a continuing basis. Construction Manager shall apply suitable protective covering on newly installed Work where needed to prevent damage or deterioration until the time of Substantial Completion. Construction Manager shall clean and perform maintenance on newly installed Work as frequently as necessary through remainder of construction period.

26.9 The Construction Manager shall be responsible for daily cleaning of spillage's and debris resulting from his and his Subcontractor's operations, (includes removal of dust and debris from wall cavities), and for providing closed, tight fitting (dustproof if required), waste receptacles to transport construction debris from the work area to the dumpster. Broom clean all floors no less than once a week. The Construction Manager shall empty such receptacles into the trash container when full or when directed to be emptied by the Consultant and/or Owner's Project Manager, but not less than weekly. The use of the Owner's waste and trash receptacles is strictly prohibited, except as otherwise provided by the Project specifications.

26.10 Failure to comply with the above requirements shall be cause for stopping work until the condition is corrected.

ARTICLE 27 BLASTING

27.1 There shall be no blasting under any conditions on University of Kentucky property unless specified in these Special Conditions.

ARTICLE 28 CUTTING AND PATCHING - NEW AND EXISTING WORK

28.1 New Work - Cutting and patching shall be done by craftsmen skilled and experienced in the trade or craft that installed or furnished the original Work. Repairs shall be equal in quality and appearance to similar adjacent Work and shall not be obviously apparent as a patch or repair. Work that cannot be satisfactorily repaired shall be removed and replaced.

28.2 Existing Construction - Refer to Architectural, Mechanical, and Electrical drawings for cutting and patching. All new Work shall be connected to the existing construction in a neat and workmanlike manner, presenting a minimum of contrast between old and new Work. Do all patching of the existing construction as may be

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required for the new construction to be completed. Necessary patching, closing of existing openings, repairing and touching up shall be included as required for a proper, neat and workmanlike finished appearance. Any existing item that is to remain and is damaged during construction shall be replaced at the Construction Manager's expense.

ARTICLE 29 UNRELATED PROJECTS

29.1 Unrelated construction projects may be under way in the vicinity of this Project or the site utility work during the course of the Work related to this Project. The Construction Manager for this Project must coordinate with any other contractors regarding overlapping areas. See Article 42 - Separate Contracts of the General Conditions.

ARTICLE 30 OWNER SUPPLIED MATERIALS

30.1 Owner, in an effort to expedite this Project, may pre-ordered certain long lead time items.

30.2 All Pre-Ordered Material will be specified to be shipped to the Construction Manager. It will be the Construction Manager's responsibility to receive and inspect Pre-Ordered Material. If the Pre-Ordered Material is incorrect or damaged, the Construction Manager is to notify the Owner's Project Manager immediately and may request to reject the shipment.

ARTICLE 31 REMOVED ITEMS

31.1 The following is a list of items to be turned over to the Owner by the Construction Manager after removal by the Construction Manager. If there are additional items listed in the drawings to be turned over to the Owner, but not listed here, it shall be construed as being listed here.

1. **TBD**

31.2 All items which are identified to be turned over to the Owner must be treated with the utmost of care and protected from damage during removal and transport.

31.3 Materials to be turned over to the Owner by the Construction Manager shall be delivered to a warehouse within a five (5) mile radius of the Project site.

ARTICLE 32 INTERIOR ENCLOSURE AND DUST ENCAPSULATION

32.1 Areas under construction or renovation shall be separated from occupied areas by suitable temporary enclosures furnished, erected and maintained by the Construction Manager. Temporary enclosures shall be dust and smoke tight and constructed of non-combustible materials to prohibit dirt and air borne dust from entering occupied spaces.

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Construction Manager to review with Consultant ways to provide ventilation for dust generated by demolition and fumes/vapors produced during installation of new materials.

32.2 Construction Manager is responsible for coordinating with the Owner's Project Manager any equipment to be turned off prior to erecting temporary enclosures.

32.3 Construction Manager shall protect all exhaust diffusers, equipment and electrical devices from the collection of dust. All areas shall be checked and cleaned prior to final acceptance of Work.

32.4 Dust and debris from Work operations shall be held to a minimum.

32.5 Construction Manager shall construct temporary dust partitions at locations and as detailed on drawings. Closures used for dust barricades shall be constructed of non-combustible materials, (metal studs and gypsum board or fire retardant plywood).

32.6 Construction Manager shall provide additional devices and materials as required to contain dust within Work area and protect personnel during course of Work.

32.7 Areas of minor renovation, consisting of the removal of doors and frames, blocking of openings, and other limited Work shall be separated by a dust partition of fire retarded polyethylene on studs.

32.8 Existing corridor doors may serve as dust barriers, except if removed for refinishing. In such cases, temporary wood doors must be substituted until original doors are replaced.

32.9 The Construction Manager may assume existing walls which extend full height of floor shall be deemed appropriate to contain air borne dust. Cover any voids or penetrations.

32.10 Doors or windows in the perimeter walls surrounding the project work area shall be sealed off with protective materials in a manner to prohibit dust from escaping the work area. These shall be left in place until all work creating dust is completed. Protective materials shall consist of fire retardant wood, metal studs, gypsum board or flame resistant plastic.

32.11 Entry passage to Work area shall be sealed off with zippered plastic opening, or other acceptable means which allows periodic entry and closure of barricade closure.

32.12 Install and maintain a "sticky mat" on the floor in locations where construction crews leave the construction area and prior to entering ANY existing space in the building.

32.13 Install and maintain a temporary floor covering in any and all elevators being utilized for this project.

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ARTICLE 33 UKIT COMMUNICATIONS AND NETWORK SYSTEMS

33.1 The communications wiring is to be provided, installed and terminated by the Construction Manager using a certified and approved communications contractor. All work shall be done in compliance with the latest UKIT-Communications and Network Systems' Standards, and closely coordinated with UKIT-Communications and Network Systems.

ARTICLE 34 EMERGENCY VEHICLE ACCESS

34.1 Emergency Vehicle Access must be maintained during construction. The Construction Manager shall coordinate with the local Fire and Emergency Medical Services department(s) that would respond to an emergency during the initial start up of construction to ensure a complete understanding of their requirements.

ARTICLE 35 SMOKE DETECTORS / FIRE ALARM SYSTEMS- EXISTING AND/OR NEW FACILITIES

35.1 Construction Manager shall protect all smoke detectors in Work areas to prevent false alarms. The Construction Manager will be responsible for any false alarm caused by dust created in their Work areas or dust traveling to areas beyond the Work, past inadequate protection barriers. If there is a need for an existing or newly installed fire alarm system or parts of that system to be serviced, turned off, or disconnected, prior approval must be obtained from the Owner's Project Manager and notification given to the Campus Dispatch Office. The Construction Manager must follow the procedure outlined for Utility Outages and any documented costs charged by the responding fire department due to a false alarm shall be paid by the Construction Manager. As soon as all Work is completed notification must be given to the Owner's Project Manager and to the Campus Dispatch Office prior to reactivation of the system. Prior to Final Payment to the Construction Manager, all protected smoke detectors will be uncovered and tested.

35.2.1 When any fire alarm, detection or suppression system is impaired, a temporary system shall be provided. Construction Manager shall provide daily reports indicating the Superintendent has walked through the project at the end of each work period, to satisfy himself there are no present conditions that may result in an accidental fire. Portable fire extinguishers shall be on site during this time. The Construction Manager is responsible for inspecting and testing any temporary systems on a monthly basis.

ARTICLE 36 SURVEYS, RECORDS, and REPORTS

36.1 General: Working from lines and levels established by property survey, and as shown in relation to the Work, the Construction Manager will establish and maintain bench marks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the bench marks and dependable markers required dimensions as shown (within recognized

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tolerances if not otherwise indicated), and shall not scale drawings to determine dimensions. Construction Manager shall advise Sub-contractors performing Work of marked lines and levels provided for their use in layout of Work.

36.2 Survey Procedures: The Construction Manager shall verify layout information shown on drawings, as required for his own Work. As Work proceeds, surveyor shall check every major element for line, level, and plumb (as applicable), and maintain an accurate Surveyor's log or Record Book of such checks available for Construction Manager or Design Consultant's reference at reasonable times. Surveyor shall record deviations from required lines and levels, and advise Design Consultant or Construction Manager promptly upon detection of deviations exceeding indicated or recognized tolerances. The Construction Manager shall record deviations which are accepted (not corrected) on Record Drawings.

ARTICLE 37 SMOKING IS PROHIBITED

37.1 For areas located within Fayette County, Kentucky, the use of all tobacco products is prohibited on all property that is owned, operated, leased, occupied, or controlled by the University. "Property" for purposes of this paragraph includes buildings and structures, grounds, parking structures, enclosed bridges and walkways, sidewalks, parking lots, and vehicles, as well as personal vehicles in these areas. To view the Lexington campus boundaries: <http://www.uky.edu/TobaccoFree/files/map.pdf>.

37.2 For areas not located within Fayette County, Kentucky, smoking is prohibited in all owned, operated, leased, or controlled University buildings and structures, parking structures, enclosed bridges and walkways, and vehicles. Smoking is also prohibited outside buildings and structures within 20 feet of entrances, exits, air intakes, and windows, unless further restricted by division policy.

37.3 Construction Manager's employees violating this prohibition will be subject to dismissal from the Project.

37.4 For the full Administrative Regulation see University AR 6:5.
<http://www.uky.edu/Regs/files/ar/ar6-5.pdf>

ARTICLE 38 ALTERNATES

38.1 Alternate(s) will be accepted in the sequence of the Alternates listed on the Bid Form, and the lowest Bid Sum will be computed on the basis of the sum of the base Bid and any alternates accepted, within the budgeted amount.

38.2 Schedule of Alternates:

TBD

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ARTICLE 39 FIELD CONSTRUCTED MOCK UPS

39.1 Exterior Finishes

39.1.1 After sample selection but prior to ordering exterior finish materials, Construction Manager shall accumulate enough material samples to erect sample wall panels to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction including sample masonry units (face and back-up wythes, plus accessories), window units, roofing finish, etc. to provide a complete representation of the exterior facade for approval by the Consultant; build mock-ups to comply with the following requirements:

39.1.2 Build mock-ups well in advance of the time the finish materials will be needed for inclusion in the Work.

39.1.3 Locate mock-ups at location as reviewed and approved by the Architect and University's Project Manager, generally within 10 feet of existing building, parallel to existing face of building, and exposed to sunlight during daylight hours. Mock-Up to be reviewed twice, one in direct sunlight and one in shade to confirm color characteristics of samples.

39.1.4 Mock-ups Size(s) for the following types shall be approximately 6' long by 4' high by full thickness.

Each type of exposed Work.

39.1.5 Protect mock-ups from the elements with weather resistant membrane.

39.1.6 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, demolish mock-ups and remove from the site.

39.2 Interior Finishes

39.2.1 After sample selection but prior to ordering interior finish materials, Construction Manager shall accumulate enough material samples to erect sample to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction; include samples of interior finishes, including paint, wood stain, vinyl wallcovering, flooring and ceiling materials to provide a complete representation for approval by the Consultant; build mock-ups to comply with the following requirements:

39.2.2 Build mock-ups well in advance of the time the finish materials will be needed for inclusion in the Work. Mock-ups may be on newly installed wall surfaces.

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39.2.3 Locate mock-ups with adequate illumination for observation under intended light levels.

39.2.4 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, remove mock-ups from site or incorporate into the completed work.

ARTICLE 40 PROJECT COORDINATION VIA COMPUTER

40.1 The Construction Manager and Subcontractors are required to have an active email account to facilitate coordination of the project during construction and warranty.

40.2 To facilitate project construction coordination between the Consultant, the Construction Manager, Subcontractors, and the University of Kentucky as the Owner, UK Capital Project Management Division (CPMD) is hosting an Internet/ Web-based Project Management System (WPMS) to help improve project communication and collaboration. The Consultant shall participate in the use of the WPMS (UK E-Communication® or other system at the Owner's discretion) providing collaboration between Owner, the Consultant and selected contractors.

40.2.1 Owner shall provide the Construction Manager and Subcontractors with user accounts and appropriate training for the web-based project management tool.

40.2.2 Utilization of, and training in the use of, the WPMS will be arranged for and supervised by Owner.

40.2.3 Participation of Construction Manager is mandatory; others as determined by Owner. Participation of Subcontractors and/or Trade Contractors is not mandatory but will be offered at their discretion.

40.2.4 All participants are required to have access to the internet and the Microsoft Internet Explorer browser (version 5.0 or higher). A broadband connection to the internet (e.g. Cable modem, ISDN, DSL) is recommended, but not required.

40.2.5 The WPMS shall be utilized for the following functions, as a minimum: Posting Project Files, AE Amendments, Architect's Supplemental Information (ASI's), Closeouts, Consultant Invoices, Contracts, Defective Work in Place, Meeting Minutes, Payment Applications, Proposed Change Orders – Change Orders (PCO to CO's), Punch Lists, Reports (Contractor Daily Reports, Field Reports, Commissioning Reports), RFIs, SAP Equipment List, Schedules, and Submittals. The Document Library (Bid set Plans, Specifications and Addenda will be uploaded by Lynn Imaging.

40.2.6 Site camera monitors may be included at Owner's discretion.

40.2.7 Utilization of the WPMS shall be implemented by the Owner's representative.

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40.2.8 Use of the system will provide consistent, real-time information for decision making. Additionally, all project data entered into the system will be archived to facilitate project record keeping. It is anticipated that proper use of the WPMS will improve efficiency of communications and reduce project related paperwork and clerical workload.

40.2.9 The Construction Manager and Consultant shall submit complete close-out and submittal logs in E-Communication, or WPMS, including description of all deliverables to be submitted by the construction manager or trade contractors during Phase 3, Construction Documents Phase.

ARTICLE 41 HOT WORK PERMITS

41.1 All work involving open flames or producing heat and or sparks in occupied buildings on the University of Kentucky campus will require the Construction Manager to obtain approval to perform “Hot Work” on site. This includes, but is not limited to: Brazing, Cutting, Grinding, Soldering, Thawing Pipe, Torch Applied Roofing, and Cad welding. A copy of the Hot Work Permit and the Hot Work Permit Procedure will be passed out at the Preconstruction Conference for the Construction Manager’s use.

ARTICLE 42 INSURANCE

42.1 Employers' Liability Insurance. The Construction Manager shall acquire and maintain Employers’ Liability insurance with at least \$500,000/\$500,000/\$500,000 limits of liability for all employees who will be working at the Project site.

42.2.1 Commercial General Liability Insurance. If the work involved requires the use of helicopters, a separate aviation liability policy with limits of liability of \$100,000,000 will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits of \$10,000,000 will be required.

42.2.1.1 The limits of liability shall not be less than \$5,000,000 each occurrence combined single limits for bodily injury and property damage.

42.2.2 Comprehensive Automobile Liability Insurance. Policy limits shall not be less than \$2,000,000 for combined single limits for bodily injury and property damage for each occurrence.

42.2.3 Excess or Umbrella Liability Insurance. This policy shall have a minimum of \$1,000,000 combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary policies.

42.2.4 Workers’ Compensation- Statutory Requirements (Kentucky)

ARTICLE 43 KEY ACCESS

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43.1 If Construction Cores are NOT utilized, then one set of keys for access to the renovation project area will be provided to the Construction Manager/Vendor's Project Manager/Superintendent by the University's Project Manager. The Construction Manager/Vendor's holder of the key(s) assumes responsibility for the safekeeping of the key(s) and its use. When leaving the renovation area all doors must be secured.

43.2 All keys must be returned to the University's Project Manager upon completion of project work as one of the requirements for Final Payment. Failure to return the keys may require re-keying of all doors in the work area up to and including the entire building if master keys are issued. The cost of re-keying of the door(s) accessed by the key(s) will be subtracted from the remaining contract dollars including contract retainage.

43.3 All lost or stolen keys must be reported immediately to the University's Project Manager.

ARTICLE 44 CEILING CLEARANCE

44.1 Work above ceiling: All work above an area with lay-in ceiling must be coordinated and installed so there is a minimum of 4" between the top of the ceiling grid runners and bottom of the installation. Installation shall not obstruct equipment access space or equipment removal space. Also, conduit and pipe attached to the wall must be above the 4" minimum level.

44.2 Coordination Between Trades: Request and examine all drawings and specifications pertaining to the construction before installing above ceiling work. Cooperate with all other contractors in locating piping, ductwork, conduit, openings, chases, and equipment in order to avoid conflict with any other contractor's work. Give special attention to points where ducts or piping must cross other ducts and piping, and where ducts, piping and conduit must fur into the walls and columns. Make known to other trades intended positioning of materials and intended order of work. Determine intended position of work of other trades and intended order of installation.

ARTICLE 45 METAL ANCHORS

45.1 All anchoring devices utilized to secure materials to the building shall be metal. Plastic or plastic expansion components shall not be used. This shall include all fasteners for mechanical/electrical hangers.

ARTICLE 46 LOADING DOCK (NOT USED)

ARTICLE 47 CONSTRUCTION PATH (NOT USED)

ARTICLE 48 HOSPITAL PROJECT PROCEDURE (NOT USED)

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ARTICLE 49 WORKING HOURS/ACCESS: FOR MEDICAL CENTER/HOSPITAL (NOT USED)

ARTICLE 50 SECURITY BADGES AND MEDICAL CENTER SECURITY (NOT USED)

ARTICLE 51 HOSPITAL CONSTRUCTION CERTIFICATION (NOT USED)

ARTICLE 52 APPEARANCE (NOT USED)

ARTICLE 53 HIPAA (The Health Insurance Portability and Accountability Act) (NOT USED)

ARTICLE 54 SAFETY & FIRE PROCEDURES (NOT USED)

ARTICLE 55 INTERIM LIFE SAFETY MEASURES (ILSM) (NOT USED)

ARTICLE 56 TREE PROTECTION STANDARDS

Contractor will adhere to all provisions outlined in 010000S02 Tree Protection Standards.

ARTICLE 57 CONTRACTOR/SUPERINTENDENT EXPERIENCE

57.1 For those projects impacting patient care the Construction Manager and Superintendent are required to have a minimum of five (5) years of construction experience in the past 10 years with projects involving patient care areas. Owner may waive this requirement if sufficient information is provided to confirm competency.

ARTICLE 58 COVID-19 POLICY

Any and all companies/organizations working on the University of Kentucky's campus shall have in place for the period of the contract a COVID-19 policy that is consistent with the University of Kentucky's current COVID-19 policy.



University of Kentucky Supplier Diversity Initiative Addendum

Thank you for your interest in partnering with the University of Kentucky to create great spaces and safe environments for our students, staff, and community. Diversity, equity, and inclusion (DEI) are important components of our strategic mission and vision. In 2020, UK created 17 working committees dedicated to moving DEI initiatives forward. Your efforts in working with diverse suppliers is key to reaching our goals. As you know, supplier diversity is a critical component of economic development. We want to work with companies like yours that share our values.

University of Kentucky Strategic Vision: As Kentucky's indispensable institution, we transform lives through diversity and inclusion, discovery, research and creativity, promotion of health and deep community engagement.

Mission: The University plays a critical leadership role by promoting diversity, inclusion, economic development, and human well-being. As the flagship institution in Kentucky, UK plays a critical leadership role for the Commonwealth by contributing to the economic development and quality of life within Kentucky's borders and beyond. The University nurtures a diverse community characterized by fairness and equal opportunity. We will diligently seek and work with companies that share our vision, mission, and values.

Goals: We are committed to increasing the purchasing of goods and services from minority, women, veteran, and disabled-owned businesses to a **minimum of ten percent** with an aspirational goal that equals and surpasses the diversity on our campus and in the communities we serve. In addition, UK supports non-profit work centers for the blind and disabled. All contractors are expected to support and actively work toward achieving these goals.

Bidders utilizing minority, women, veteran, and disabled-owned businesses are requested to identify these contractors and suppliers in required UK Bids and Proposals.

For assistance in identifying diverse businesses and contractors to work on this project, please contact Marilyn Clark, Supplier Diversity Manager, University of Kentucky at mcl256@uky.edu

Regards,
Marilyn Clark
Supplier Diversity Manager
University of Kentucky
322 Peterson Service Building
411 South Limestone
Lexington, KY 40506
859-218-5612
<https://purchasing.uky.edu/bid-and-proposal-opportunities>



DBE Participation Goals

PART 1 - GENERAL

- 1.1 The University of Kentucky requests all potential contractors to make a concerted effort to include Diverse Business Enterprises (DBE's) as subcontractors or suppliers in their bids.
- 1.2 Toward that end, the University of Kentucky has established 10% of total procurement costs as a Goal for participation of Diverse Business Enterprises on this contract.
- 1.3 **It is therefore a request of each Bidder to include in its bid, 10% for DBE participation and other requirements as outlined in this section.**

PART 2 - PROCEDURES

- 2.1 The successful bidder will be required to report to the University of Kentucky, the dollar amounts of all purchase orders submitted to DBE subcontractors and suppliers for work done or materials purchased for this contract.
- 2.2 Replacement of a DBE subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another DBE Firm; subject to approval by the University of Kentucky.
- 2.3 For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - A. The University of Kentucky, Facilities Management Contractor/Supply chain Coordinator (859-257-3204)
 - B. Tri-State Minority Supplier Development Council in Louisville, KY (502-625-0135)
 - C. The Kentucky Cabinet for Economic Development, Small & Minority Business Division in Frankfort, KY (502-564-2064)
 - D. The Office of Equal Employment Opportunity, Contract Compliance Division in Frankfort, KY (502-564-2874)
- 2.4 The University of Kentucky will make every effort to notify interested DBE subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

PART 3 - DEFINITIONS

- 3.1 Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled. MBE, WBE, Veterans, Disable Veterans and Disabled make up Diverse Business Enterprises (DBE).

PART 4 - OBLIGATION OF BIDDER

- 4.1 **The bidder shall make a Good Faith Effort to achieve the Participation Goal for DBE subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 4.2 Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 4.3 The Form of Proposal includes a section entitled "Identification of Diverse Business Enterprise Subcontractors and Material Suppliers". The Advertisement for Bid includes a section entitled "Diverse Business Enterprise Participation". The Determination of Responsibility includes a section entitled "Participation of Diverse Business Enterprise owned contractors and businesses". The applicable information must be completed and submitted as outlined.
- 4.4 **Failure to submit this information as requested may be cause for rejection of the bid.**

PART 5 - DOCUMENTATION REQUIRED

- 5.1 The prime contractor must provide the University of Kentucky with a "DBE percent of contract report "detailing subcontracting activity within 90 days of prime contract award. Projects containing multiple bid packs will update reports within 90 days of contract award throughout project duration. The report shall reflect the total dollar amount awarded to all DBE subcontractors (including suppliers) utilized under this contract.
- a. Prime Contractors will report the following items individually to satisfy reporting requirements
 - i. Project Name, UK Project Number, and UK CPMD Project Manager assigned to the project
 - ii. Total dollar value of the prime contract with the University of Kentucky
 - iii. Total dollar value of all contracts assigned to DBE firms
- 5.2 Bidders not reaching the Goal must submit both the "DBE percent of contract report "and a written statement documenting their Good Faith Effort to do so (If bid includes no DBE participation, bidder shall enter "None" on the subcontractor / supplier form). In addition, the bidder may submit the following as proof of Good Faith Efforts to meet the Participation Goal:

- A. Advertisement by the bidder of DBE Contracting opportunities associated with this bid in at least two (2) of the following:
 - 1. A periodical in general circulation throughout the region
 - 2. A Minority-Focused periodical in general circulation throughout the region
 - 3. A Trade periodical aimed at the DBE community in general circulation throughout the region
 - 4. Bidder shall include copies of dated advertisement with his submittal
- B. Evidence of written notice of contracting opportunities to at least five (5) DBE firms serving the construction industry at least seven (7) days prior to the bid opening date.
- C. Copies of quotations submitted by DBE firms which were not used due to uncompetitive pricing or other factors and/or copies of responses from firms that were contacted indicating that they would not be submitting a bid.
- D. Documentation of Bidder's utilization of the agencies identified to help locate potential DBE firms for inclusion on the contract including responses from agencies.
- E. Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement. "Record of DBE Solicitation" and other required documentation of Good Faith Efforts are to be submitted with the bid, if participation Goal is not met.

University of Kentucky – Capital Project Management
DBE Percent of Contract Report

1) Identification of Participating DBEs

Project Name / Number: _____

UK Project Manager: _____

Total Contract Value: _____

DBE Name, Address & Phone	Work to be Performed	Dollar Value of Work	% Value of Total Contract
1.		\$	%
2.		\$	%
3.		\$	%
4.		\$	%

The undersigned submits the above list of DBE firms to be used in accomplishing the work contained in this Bid.

Company: _____ By: _____

Date: _____ Title: _____



Campus Physical Plant Division

Planning, Design and Construction Services (PDCS)



Contractor Handbook



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Purpose

The University of Kentucky (UK) recognizes that many hazards are inherent in construction and other contract work. Compliance with safety regulations can prevent virtually all serious injuries. This guide serves as notification of campus safety requirements to contractors, including subcontractors, who perform work at UK and any other facilities operated by the University. Contractors should not assume that this guide covers all applicable safety and health laws as it does not. Instead, it provides contractors with site specific safety, health and environmental rules and policies which the University expects will be followed on all University property. The rules, regulations and guidance contained herein represent program areas that have been problematic in the past or require special care and consideration due to the nature of the working environment at the University. Additionally, contractors are required to follow applicable federal, state, and local safety and health regulations.

General Note: No work should proceed without a Purchase Order or a Letter of Intent of Contract from UK Central Purchasing.

Noise

The contractor shall endeavor to keep the work area as quiet as possible when the work is in proximity to buildings with classrooms. If powder activated tools, screw guns, or other such devices must be used to accomplish the work, the contractor shall notify the UK – P, D & C Project Manager and advise him of the type of equipment to be used and the duration of the work. At times it will become necessary for the contractor to stop work immediately when advised by the UK – P, D & C Project Manager or UK Environmental Health and Safety that the work is adversely affecting classrooms activities.

GLOSSARY OF TERMS

ACRONYMS

ACM Asbestos-Containing Material—any material containing more than 1 percent asbestos

ANSI American National Standards Institute

ASTM American Society for Testing and Materials

EH&S UK Department of Environmental Health & Safety

EPA United States Environmental Protection Agency

FDA United States Food and Drug Administration

HASP Health and Safety Plan

MSDS Material Safety Data Sheet

NFPA National Fire Protection Association

NEC National Electrical Code (NFPA 70)

UK EHS - FM UK Office of Fire Marshall

OSHA Occupational Safety and Health Administration

NIOSH National Institutes of Occupational Safety and Health

PACM Presumed Asbestos-Containing Material

PCBs Polychlorinated biphenyls

PPE Personal Protective Equipment

PRCS Permit-Required Confined Space

UKPD UK Police Department

Planning, Design and Construction Services – Contractor Handbook

Abatement

The UK - P, D & C Project Manager will request a survey to determine whether any asbestos or lead is present in any materials that are scheduled to be removed from the project prior to the issuance of the Notice to Proceed. The Contractor will refer to the contract to determine abatement responsibilities. The Contractor will contact the Project Manager if there are any questions. If the Contractor discovers an area that is stained and appears to be moldy (usually on drywall surfaces), The Contractor WILL NOT disturb the area and will contact the Project Manager or Construction Coordinator to schedule an assessment of the area by the UK Environmental Health and Safety Department. The Contractor is always responsible for the proper removal and disposal of any materials identified as contaminated if abatement is in their contract scope pursuant to State and Federal laws.

Access to Construction Sites

The PDCS Project Manager and Contractor will define who is authorized to enter the construction site. Except for emergencies, other personnel desiring access to a construction area must do the following:

1. Obtain approval to enter the construction premises from the Contractor's Superintendent, the PDCS Project Manager or emergency personnel.
2. Obey all safety regulations and posted sign requirements, wear appropriate Personal Protective Equipment (PPE) comparable to the PPE requirements for workers on the project, and follow special instructions.

Accident Reporting

In the event of any injury, incident, near miss or accident that involve any individual, equipment, property or bystander on or near the work, the contractor shall notify the PDCS Project Manager and Project Safety Coordinator immediately and follow up the verbal report with the Contractors First Report of Injury and/or the required PDCS Incident Reporting and Investigation form within twenty-four (24) hours of the event.

Alcohol, Drugs, and Other Prohibited Articles

The University of Kentucky Facilities Services and PDCS prohibit the possession, use, distribution, or sale of alcoholic beverages, intoxicants, drugs, or any drug related paraphernalia on the project premises, facilities, or any work places. The University of Kentucky is a Tobacco Free Campus – CAMPUS WIDE.

For areas located within Fayette County, Kentucky, the use of all tobacco products is prohibited on all property that is owned, operated, leased, occupied, or controlled by the University. "Property" for purposes of this paragraph includes buildings and structures, grounds, parking structures, enclosed bridges and walkways, sidewalks, parking lots, and vehicles, as well as personal vehicles in these areas. To view the Lexington campus boundaries:

<http://www.uky.edu/TobaccoFree/files/map.pdf>.

General Contractor employees violating this prohibition will be subject to dismissal from the Project.

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Chemical Spills

In the event of a spill of environmentally damaging materials, immediate response is required. All construction personnel shall observe and follow the standard precautions for handling potentially hazardous materials as outlined on the Manufacturer's Material Safety Data Sheets (MSDS), including the use of proper personal protective equipment.

Emergency responders are available from Environmental Health and Safety (EHS) - Environmental Management and/or Radiation Safety when a biological, chemical, or radioactive spill occurs. Responders are also available for other hazardous incidents such as indoor air quality issues and drinking water concerns.

The University Environmental Health and Safety Department (Environmental Management) should be notified immediately in the event of:

1. Any spill that threatens to enter a storm sewer or watercourse.
2. All petroleum spills, e.g. hydraulic fluid, transmission fluid, diesel, gasoline, etc.
3. Any hazardous or unknown material spill, e.g. many solvents, cleaners, etc.
4. Any discharge from the site which is suspected to be in violation of LFUGC Codes, Commonwealth of Kentucky regulations, or any other applicable laws and regulations, e.g. discharges which are cloudy, foul smelling, colored, contain chemicals, or heavy sediment loads.

Notification can be accomplished by calling UK Environmental Management at (859) 323-6280. After Hours and Weekends call (859) 257-8573 UKPD. Always call 911 for emergencies! (Have your name, number, location, and any other pertinent information available at the time of the call. It is important to inform the Safety Office and UKPD if anyone has been injured or if there has been any personal exposure to the hazardous material.

See UK Environmental Health and Safety's web site for additional information: <http://ehs.uky.edu/>

University of Kentucky Environmental Health & Safety 252 East Maxwell Street Lexington, KY 40506-0314
Phone: (859) 257-3845 Fax: (859) 257-8787

Cleanliness of Project Areas

The construction site, work areas, and all premises occupied by the Contractor and his subcontractors must be maintained in a clean, healthy, and sanitary condition. Work areas, passageways, and stairs in and around building and structures must be kept clear of debris and trip hazards. Construction materials must be stored in an orderly manner. Site storage areas and walkways shall be kept free of dangerous depressions, obstructions, and debris. Construction equipment shall be stored in an orderly manner in a pre-approved location. Good housekeeping on the job site is mandatory and all construction personnel must do their part to daily minimize dust and keep the work area safe and clean. The use of dust partitions, HEPA vacuums, negative pressure, when practical, and Walk-Off mats may be required to keep dirt, dust, smoke and/or fumes from being tracked or migrating into areas outside the workspace.

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The Contractor must protect all areas adjacent to the construction site from excess noise, dust, debris, trash or damage resulting from the construction work. The Contractor will be held responsible for the immediate cleanup of any adjacent areas should the work infringe into unauthorized areas of construction.

Commencement and Special Events Requirements

The PDCS Project Manager should discuss all special event and commencement activities with the Contractor during the Pre- Construction Meeting since these ceremonies can significantly impact the renovation project schedule. The Contractor should be prepared to move all vehicles, dumpsters, and fencing from the project area for college convocations and commencement ceremonies. Be prepared to stop working in buildings located near the special event or activity.

Conduct and Appearance

All Contractor employees and subcontractors must maintain appropriate appearance while working on campus. Proper dress for the job sites means no shorts, open toed shoes, sandals, tennis shoes, tank tops or tee shirts with prints or writing that could be deemed offensive to others.

All members of the contracting staff must maintain proper conduct in regard to personal actions and contact with students or staff members while on University property. Any employee of the contractor or subcontractor found engaging in improper conduct will be permanently removed from the campus.

Construction Plans and Specifications

A set of “approved for construction” plans and specifications, including addenda and approved Change Orders, must be maintained on the job site throughout construction. For exterior projects, the Contractor may keep the approved plans and specifications in his/her work vehicle close to the site or in a job box on site.

Construction Project Issues

Radios or portable stereos are not allowed on construction projects. Ear buds or headsets connected to a portable music device are discouraged. The Contractor shall discuss any potential noisy activity with the Construction Coordinator so that the work can be scheduled around classes, special events, and final exams.

Elevator cabs and floors must be protected if the Contractor intends to use them to transport materials into or out of the project. Contact the PDCS Project Manager if the elevator is to be used for this purpose.

When coring or drilling into a concrete floor, the Contractor should always check for reinforcing steel and electrical conduits preventing an unplanned electrical outage. If at any time energized electrical conduits cannot be identified, OSHA requires the coring operator to wear electrically rated and tested rubber gloves with leather protectors.

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Reminder: If the coring process creates dust, it is required that the Contractor request a smoke alarm outage. Smoke alarms are triggered when the dust rises! If using water to control dust during coring or saw cutting, it shall be contained and not allowed to run off or be dumped down sanitary or storm sewers.

The Contractor shall never operate gas powered equipment inside a building.

Contractor Reporting of Safe Work Practices

Each industry recognized shift that work is accomplished by the Prime Contractor, the prime will be responsible for having site observations of each trade accomplished by one of the following personnel in their employment: their Project Manager, Project Superintendent or Certified Safety Professional.

PDCS will provide a form for this purpose and the report must be submitted once a week for work accomplished the following week. Copies of the reports must be distributed via electronic mail to the PDCS Project Manager, UK Safety Coordinator and the Construction Services Manager for PDCS.

Each time the Contractor performs work that requires locking out any energized system (i.e. electrical plumbing, or mechanical), the contractor must take a date and time stamped photo of their Lock Out/Tag Out outage and submit these photos to the same PDCS personnel identified for weekly safety reports.

Contractor Training and Safety Requirements

Contractors are responsible for the safety of their workers, their subcontractors, job site visitors and for meeting all requirements of the contract.

The Contractor shall assure that all workers on the site are qualified and competent (as defined by OSHA) to perform the duties of the job as assigned.

The Contractor's Project Managers and Superintendents shall have completed the OSHA 30 hour training and submit evidence of the training to PDCS prior to the issuance of a Notice to Proceed

Coring and Saw Cutting Scans

Prior to any coring or saw cutting of any concrete or masonry surface, the area to be penetrated must be scanned with GPR (Ground Penetrating Radar) and all embeds shall be clearly marked unless other requirements are stated in the plans and specifications by the Engineer of Record.

Approval from PDCS is required prior to coring or saw cutting activities.

Emergency Phone Numbers

Emergency contact information must be posted at the project area in a conspicuous place.

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Equipment Add-Delete Modification Log

The Contractor must ensure that all major equipment that is added or deleted as part of the construction project is logged on an Equipment Add/Delete Log which will be provided by the PDCS Project Manager for the Contractor's use. The Contractor is required to update and maintain the Equipment Add/Delete Log with all required information throughout the construction project. The Contractor shall submit the "Equipment Add/Delete Modification Log" when the Substantial Completion inspection is requested.

Equipment Usage

Contractors shall:

- Ensure the safety of their equipment by implementing an equipment inspection scheme.
- Shall not use shop made or special tools and equipment unless supplied by a drawing that is stamped or signed by a Professional Engineer.
- Shall not use or alter tools and equipment beyond the manufacturer's recommendations unless approved by the manufacturer or a PE.

Erosion Control Measures (Exterior Projects)

Proper erosion and sedimentation controls must be in place to prevent sediment or silt run-off. Sediment (including concrete spoils) should never be rinsed off at the site: instead, sediment must be cleaned in a manner that does not allow it to reach a storm drain. Equipment tires must be rinsed before leaving the site if necessary to avoid tracking sediment into the roadway or off the site. Silt fencing must be used per the approved plans or as EHS determines necessary to protect the site and the balance of the campus from runoff. Other methods of runoff protection such as tri-dikes and sand bags should be used to keep construction debris and silt from entering the storm drains.

Escalated Notice of Noncompliance

A defined process for the Escalation of Notice of Noncompliance will be implemented to ensure performance based compliance with safety provisions and to reduce the frequency of safety violations and accidents. PDCS expects that every effort will be made to resolve safety and contractual issues on-the-spot or in accordance with planning agreed to by the Project Manager.

Repeated safety or health violations will become a matter of record and will be part of the evaluation of the Contractor's bids on future awards.

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Extension Cords

Extension cords used with portable electric tools and appliances shall be UL rated, 12 AWG, heavy duty (S, SO, STO, SJ SJO SJTO) and of the three wire grounding type. The cords shall conform to the type and configuration required by OSHA standards. The cords shall be used with GFCI adapters or outlets.

Exterior Outlets

Do not plug any extension cords into exterior outlets where an electric cart is plugged in. These carts require a dedicated circuit and multiple outlet usage will risk damaging the electric gel battery.

Evacuation Plan / Fire Response

<http://ehs.uky.edu/fire/ukfire1.html>

It is imperative that contractors/vendors and University maintenance/construction personnel react immediately should a fire condition be discovered within the work area or should the fire alarm be activated outside the work area. The following are standard University procedures that are required and must be implemented. All contractors/vendors and University maintenance/construction employees are to be trained in these procedures. Directors of the Campus Physical Plant and the Medical Center Physical Plant are further referenced to the UNIVERSITY EMERGENCY RESPONSE PLAN (issued February 1994) that is to be implemented for fire emergencies.

❖ Person Discovering a Fire

- **ACTIVATE THE FIRE ALARM.** Without endangering yourself, rescue and/or assist anyone in immediate danger. Close the doors in the fire area.
- **PROCEED TO A SAFE LOCATION AND CALL 911** to report the fire. Give the building's name, room number, and any special conditions.
- **MEET THE EMERGENCY RESPONDERS** (firemen/U.K. Police) and upon their arrival, advise them of the conditions as you know they exist.
- **DO NOT RE-ENTER THE BUILDING** unless requested by and accompanied by the firemen to the scene.

❖ When the Fire Alarm Sounds

- **IMMEDIATELY EVACUATE** the building. Treat all alarms as a real emergency. Close the door as you leave the room. Always use the exit stairs. Never use an elevator.
- **FEEL THE DOOR.** A "too hot to touch door" means the fire is outside the door.
- **CRAWL** should you get caught in smoke. If necessary, go to the window and signal for help.
- **ASSIST A PHYSICALLY IMPAIRED PERSON TO THE CLOSEST EXIT STAIRWELL** and advise emergency personnel of this condition.
- **UPON EVACUATION**, go to a safe location outside. If possible, account for everyone in your work group.
- **NEVER RE-ENTER THE BUILDING** until fire officials give the approval.
- **REPORT** anyone causing a false alarm to the emergency responding personnel

It is to be noted that the above procedures do not require an employee to use a fire extinguisher. Should an employee decide to use an extinguisher, she/he must be properly trained and must do so without endangering themselves or others. It is strongly emphasized that priority must be given to activating the fire alarm system before utilizing a fire extinguisher.

Fire Alarms

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Fire Alarms are a very sensitive item at UK. The Contractor shall speak with the Construction Coordinator at least 48 hours in advance to schedule the disabling of smoke detectors, fire alarm devices (audio/visual), or pull stations.

Demolition activities (including cutting, coring and sanding) will cause dust which can set off smoke detectors. It is never permissible to cover any smoke detector. Smoke detectors must be disabled by the UK – PPD Electronics personnel.

Only a licensed fire alarm contractor can perform work on UK fire alarm systems. This work would include removal of smoke detectors, fire alarm devices (audio/visual), and pull stations. The Contractor shall make sure that the fire alarm contractor is certified to work on the project fire alarm system. If the Contractor is unsure, he/she shall call the Construction Coordinator who will research this information.

The Contractor shall verify whether or not the fire alarm panel is under warranty. If it is under warranty, only the company who installed the system can perform any work on the system. All alarm panel warranties can be verified by the Construction Coordinator.

Fire Alarm System Acceptance

The Contractor must not take instructions directly from any stakeholder including UK personnel. Questions or concerns should be routed via RFI to the PDCS Project Manager and the Professional Service Provider of record.

When the Contractor has completed installation of the new devices or system, the Contractor must perform a pre-test. Pre-test requirements are as follows:

- Testing 100 % of the new installation and all new devices as well as 10% of all other devices on the same circuit
- Testing must be scheduled Monday through Friday early in the morning and prior to the start of classes. The Building Management must approve the dates and times of testing prior to initiating the pre-tests.
- All audible and visual devices inclusive in the installation must be individually tested and a log of each device must be maintained as proof that all individual components were tested.
- Prior to Final Testing: At least 72 hours prior to scheduling the final testing, the Contractor must submit to the Project Manager all As-Built progress drawings on a CD in Auto Cad format, system calculations, and all other documents required by the specifications.

Fire Sprinklers

Before any work is performed on fire sprinkler systems by a certified Sprinkler Contractor, the lines must be drained. The Contractor shall notify the PDCS Project Manager at least 2 weeks in advance to schedule the drain down of the fire sprinkler system. Before the fire sprinkler contractor starts work; the Contractor is required to call UK DELTA ROOM to notify of system shut down. The fire sprinkler contractor is required to contact the UK- Physical Plant Division plumbing staff on call once they have completed work so that the system can be filled.

During the time the fire sprinkler system is drained, one person is required to act as a full time fire watch with no other duties. This person must be on site full time while the system is drained.

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Gifts and Gratuities

<http://www.uky.edu/Legal/ethicscode.htm>

Please reference this link to the UK office of Legal Counsel for the requirements concerning UK's Ethical Principles and Code of Conduct requirements and restrictions for UK Staff and Personnel.

Hazard Notice

Asbestos, Lead, Biological, X-Ray, Laser, Mercury, Nuclear, Radiological, Physical and Hazardous Materials may be present at the job site. The Contractor shall work closely with PDCS to assure that proper preparation and surveys have been conducted prior to starting any demolition work. Environmental Health and Safety departments will notify PDCS staff (and post notices – if applicable) when laboratory spaces, etc. have been cleared for demolition and construction operations.

Hot Work and Authorization to Work

Hot Work is defined as any type of open flame welding, cutting, or soldering that takes place on a project. Smoke detectors must be disabled by UK – PPD Electronics personnel prior to the start of any hot work. Additionally, fire extinguishers, fire blankets and Fire Watch are required in the hot work area.

Permits to work in Confined Space, performing Hot Work, Lock Out/ Tag Out of energized systems or welding/cutting requires the Contractor to issue their work specific permit and to post it visibly on the project site.

These work tasks must be discussed prior to scheduling as part of the project weekly meeting to verify proper University of Kentucky approval has been secured through all applicable UK services and UK P, D&C Project Manager.

Permits must clearly note the Date, PDCS Project Number, Specific Location and Floor including applicable room numbers, Description of work being performed, the name of the person/company performing the work, and the signature of the Prime Contractor.

The permit must have a start date and time and an expiration date and time.

Identification and Badging of Workers

All job site personnel or visitors shall openly display photo identification or Contractor issued ID badge on the upper torso unless working activity would prohibit.

Injuries, Incidents, Equipment Damage

Planning, Design and Construction Services – Contractor Handbook

In the event of all injuries, incidents, or accidents that involve any individual, equipment, property or bystander on or near the Work, the Contractor shall notify the PDCS Project Manager and the Safety Coordinator immediately and follow-up the verbal report with the written Contractors First Report of Injury and the PDCS required Incident Reporting and Investigation form within twenty-four (24) hours of the event.

Inspections and Testing

The Contractor shall schedule any inspections that are needed (architectural, plumbing, mechanical, electrical, or special systems) at least 7 working days prior to the inspection. Discussing inspections at construction progress meetings and noting inspections on the schedule can aid in obtaining timely inspections and tests.

Job Site Binder

For projects ranging from \$100,000 to \$600,000 - Safety related documentation for construction work shall be retained in a Job Site Binder. The Binder shall include and not be limited to the following documents:

- The Contractor Safety Manual & Site Safety Plan
- Excavation/Trenching Plans (if exterior work is performed)
- Incidental, Medium, Heavy and Critical Lift Plans (As required)
- Safety/Daily Inspection Logs (completed by Contractor)
- Contractor training records
- Project Roster, Contractor and Subcontractor Emergency Contact Information
- Material Safety Data Sheets

Large Vehicle Deliveries

The Contractor shall schedule any large vehicle deliveries (large equipment, cranes, concrete and concrete pump trucks, or large furniture deliveries) with the Construction Coordinator. The Construction Coordinator must inform UK Parking and Transportation Services (7) seven working days in advance of the delivery as these vehicles may adversely impact the normal operations on campus. The Contractor is urged to schedule project deliveries prior to 7:00 am whenever feasible to avoid student traffic.

Liability for Non Approved Work in Place (SUBMITTALS)

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The Contractor shall not commence with any work requiring a submittal until that submittal has been approved by PDCS Project Manager. The Contractor shall not substitute items unless they have submitted a request for substitution and that request has been approved by PDCS.

Locks and Keys (UK Key Shop)

The Contractor shall request all keys that will allow access to any rooms within the project area. This request shall be made to the PDCS Project Manager prior to the Notice to Proceed being issued. The Project Manager will complete a Key Request form which is submitted to UK Keys Shop. UK Key Shop will call the Contractor to pick up the keys usually within 72 hours. <http://www.uky.edu/AuxServ/keyshop/index.html>

Some UK buildings will require special access (use of an access code or a special ID). The Contractor shall consult with the Project Manager to get this type of access prior to the Notice to Proceed.

Material Safety Data Sheets (MSDS)

All chemicals and hazardous substances, (e.g., fuels, solvents, adhesives, paints, caulks, etc.) used by the Contractor must have a Material Safety Data Sheet (MSDS) included in the submittals. The MSDS shall be used to assist in selection of PPE and emergency response protocols. Copies of the MSDS sheets shall be maintained at the job site in the Job Site Binder.

Observations / Inspections

Throughout all phases of construction, PDCS personnel assigned to oversee the work being performed by the Contractors and their subcontractors will monitor field activities on a regular basis to ensure that work is being conducted in a safe manner.

Observations by UK EHS and UK Fire Marshal may take place at any time to ensure compliance with applicable codes, standards, and regulations.

The PDCS Project Manager will formally notify the Contractor of any deficiencies and verify that appropriate corrections are made. A Nonconformance, Preventative, and Corrective Action reporting and tracking procedure will be implemented.

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Operations and Maintenance Manuals (O & M)

The University requires a minimum of 1 bound sets of final installation, training, operation, maintenance, and repair manuals to be turned over to the owners' representative and approved for content by the University prior to the acceptance of substantial completion.

Outages (Utility)

Outages must be scheduled in advance. UK requires at least 7 working days' notice (2 weeks for full building outages). The Contractor shall discuss any possible hot and cold water, gas, chilled water, electrical, fire system or other outage with the Construction Coordinator as soon as possible. For large scale or outages that affect multiple parties, an outage coordination meeting shall be convened to discuss and physically address the outage and control points and requires a minimum of two weeks' (10 business days minimum) notice. Any Utility work requiring demolition of roads & sidewalks must also be scheduled by an outage request - See the Path of Egress & Traffic Control section below.

Parking

Parking on the UK Campus is always limited. The Construction Coordinator will submit a request to UK Parking & Transportation Services for the project during the bidding phase.

If parking/staging has been approved for the project, the Contractor shall erect a temporary fence / barrier to enclose the parking and dumpster spaces. Dumpsters and surrounding area within the gated enclosure must be maintained and cleaned at all times. Dumpsters shall be covered with a tarp at the end of each work day .The Contractor must display the parking permits provided by UK Parking and Transportation Services (PTS) on the dashboard of all company vehicles. UK PTS only recognizes original permits (not copies) as issued by their office. The Contractor must have the required project and safety signage on the fence (see project and safety signage section for requirements).

PDCS is not authorized to dismiss parking tickets. If the Contractor believes that he has received a citation in error, then the ticketed party may submit an appeal through UK Parking and Transportation.

<http://www.uky.edu/pts/>

Path of Egress & Traffic Control

The Contractor shall take necessary action to protect and maintain public use of sidewalks, building entrances, lobbies, corridors, aisles, doors, exits, and vehicular roadways unless deemed unfeasible based on the scope of the project. Closure or rerouting of ADA access shall be arranged 5 business days in advance by contacting the Construction Coordinator.

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The Contractor must alert and protect the public through the use of proper signage, barricades including sidewalk sheds, canopies, catch platforms, fences, guardrails, shields, etc., ensuring adequate protection as required by law and or per the approved construction plans.

There are three threshold considerations in planning for pedestrian safety in temporary traffic control zones on highways and streets:

- 1) Pedestrians should not be led into direct conflicts with work site vehicles, equipment, or operations.
- 2) Pedestrians should not be led into direct conflicts with mainline traffic moving through or around the work site.
- 3) Pedestrians should be provided with a safe, convenient travel path that replicates as nearly as possible the most desirable characteristics of sidewalks or footpaths.

Personal Protective Equipment (PPE) Requirements

It is the Contractor's responsibility to ensure protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers, be provided, used, and maintained in a sanitary condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, biological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in function of any part of the body through absorption, inhalation, or physical contact to his or her employees.

PDCS requires the following PPE to be worn by all parties entering a construction site at all times: Hard hat (if overhead work is being performed or required per the contractors' safety program), appropriately tinted safety glasses (clear for indoors and tinted/or clear for outdoors) specifically for grinding or cutting where flying debris may be present, closed toe or steel toe safety shoes, appropriate clothing, and an identification badge. The Contractor is responsible for enforcing these requirements at all times.

The minimum requirements for parties entering a construction site are the following:

- Non Skid Safety shoes and/or Safety-toe shoes (ASTM F2412-2005 and F2413- 2005)
- Work shirt (long or short sleeve and work pants (long). Garments must be free of writing that could be construed as offensive or inappropriate.
- Other PPE requirements apply based on the Contractor's hazard assessment of the project and work areas. PPE requirements will be documented and posted at the job site using OSHA approved signs and symbols.

Pressure Washing

Discharges from pressure washing must not be allowed to enter a storm sewer. The Contractor may consider vacuuming up the water or containing the process water and allowing it to evaporate. If the rinsate only contains water, dirt or

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sediment, it may be spread on the ground with prior approval from PDCS as long as the rinsate will not enter the storm drain. The Contractor will discuss this issue with the Project Manager prior to scheduling pressure washing.

Pressure Testing

Pressure testing for water, sanitary, gas and air lines must have pre-authorization with the Engineer of Record; the PDCS Project Manager prior to scheduling.

Once authorized, the contractor shall put up signage as follows:

“TESTING IN PROGRESS ENTRY BY AUTHORIZED PERSONNEL ONLY”

Project and Safety Signage

All construction projects at UK shall include the following signage and tags as a minimum:

Project and safety signs shall be placed at each project entrance, in hallways/corridors, mechanical rooms, electrical rooms, fenced parking and storage areas that includes: the contractors company name/logo, building/project number, project description (include job site location (floor, room number, etc.), Contractor’s point of contact, after hours/emergency numbers, and UK Police Department emergency contact numbers. Interior project information signs shall be a minimum of 11” X 17”. Exterior project information signs shall be a minimum of 24” X 24” and of a waterproof material.

Company Name/Logo

Building/Project No: 807001XXXXXX

Project Description:

Start Date:

Finish Date:

Architect:

Contractor PM/Super.: XXX-XXX-XXXX

PDCS Contact No.: Name and phone # 859.257.XXXX

Emergency No.: UK Police Dept.: 859.257.XXXX

Emergency After Hours: 859.257.XXXX

In addition to the above, the following signage shall be posted along with other special notifications and PPE requirements that the Contractor has determined to be required from their OSHA required hazard analysis and PPE

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assessments. Note: All safety signs shall be OSHA approved formats and color schemes. To be posted at the entrances of the site and every 50 feet around the fenced perimeter. To be posted at the site entrance. To be posted any time personnel are working aloft and placed on barricades, ladders, doorways, etc., to provide notice to pedestrians.

Roof Safety

If roof operations are performed, it is required that a minimum of two (2) employees be within sight and hearing of each other. Employees who work within six (6) feet of the unprotected edge of a roof shall wear a safety harness and lifeline, or other OSHA approved fall protection system. This protection is not required if the roof has a permanent or portable railing system meeting OSHA height and strength requirements. When lifting or swinging heavy material over roofs, the area under the roof must be unoccupied or properly barricaded to prevent entrance by unauthorized persons. Safety for ground personnel shall include a barricaded hazard zone with men working above signage to keep students, staff, faculty, and patron's safe.

Safety Observations & Inspections

First and foremost, the contractor is responsible for their employees/Subcontractors/vendors etc. actions on site. However, The University reserves the right to order the contractor to stop work at any time the following conditions exist:

- The Contractor's personnel are working in a manner that poses an immediate danger to life or health of their employees or the campus population.
- Work is being conducted in a manner that is exposing non-contractor individuals to an unsafe situation.
- Environmental requirements or regulations are not being met.

Observations by UK EHS and Fire Marshal may take place at any time to ensure compliance with applicable codes, standards, and regulations.

The PDCS Project Manager or Safety Coordinator will formally notify the Contractor of any deficiencies and verify that appropriate corrections are made. A Nonconformance, Preventative, and Corrective Action reporting and tracking procedure will be implemented.

Safety Inspections: The OSHA standards require the Contractor to perform daily inspections of activities, equipment and the work site, to ensure that the Contractor and their subcontractor employees are:

- Working within identified controls and have effectively controlled immediate hazards; and,
- Are wearing appropriate PPE.

The Contractor will be required to submit the results of their daily inspections to the Project Manager each week via electronic mail.

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The Contractor's competent person shall conduct regular inspections of the work place and maintain a documented system certifying compliance with contractor defined safe work practices and their safety manual. For example, the scaffolding inspection entries section on contractor-supplied scaffold tags should include evidence of daily inspections and/or configuration change approvals. Other areas of inspection may include rigging inspections, fall protection equipment, Lock-out/Tag-out, confined space, permits-to-work, forklifts, heavy equipment, equipment and tools.

Contractors shall provide emergency response/egress planning; properly inspected first-aid kits, and assures that fire extinguishers are available for their work teams within the designated OSHA distances.

When hazards are identified and when immediate corrective action is not possible:

- The affected workers must be notified,
- Warning signs must be posted, and
- Interim control measures must be established to guard against the hazards.

All inspections, findings, and corrective measures must be documented and kept onsite for review. The Contractor shall be prepared to brief the number of inspections, findings, incidents, Job Briefings, etc. at progress meetings.

Sanitary Facilities

In most cases, there are sanitary facilities available for the Contractor's use. The Construction Coordinator will assist in identifying which facilities the Contractor will be allowed to use. This privilege will be revoked if the facilities are not left in a clean condition at all times.

Site Control

The Project Manager and Contractor will define who is authorized to enter the construction site. Other personnel desiring access to a construction area must do the following:

Except for emergencies, obtain approval to enter the construction premises from the Contractor's Superintendent, the PDGS Project Manager, Construction Coordinator or emergency personnel.

Obey all safety regulations and special instruction signs, and wear appropriate Personal Protective Equipment (PPE) comparable to the PPE requirements for workers on the project before entering the site.

Access to construction sites shall remain locked at all times unless workers are present. Locks shall not be rendered inoperable to prevent locking. The Construction Coordinator will provide a lock to be used in conjunction with the Contractor lock and chain that will allow UK personnel access into the construction area during an emergency.

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Security

Standard working hours are determined on a project by project basis. If there is any work conducted from 6 PM to 6 AM on a normal weekday or any time on a holiday or on a weekend, the Contractor must inform the Construction Coordinator 24 hours in advance of any afterhours work. The Construction Coordinator will inform the UK Police by sending them an After Hours Report. The Construction Coordinator must have contact information (name and phone number) and the hours of work 24 hours in advance for any afterhours work.

The Contractor shall make sure that all project workers secure their tools and that the project area is locked when no one is on site to avoid potential thefts. Any thefts should be reported to UKPD and the Construction Coordinator.

Some UK offices have “panic buttons” attached to furniture which are used to alert the UK Police Department of problem situations within the office. Contact the Construction Coordinator if an item needs to be removed that has a panic button.

Site Health and Safety Plan

If requested by the PDCS Project Manager, a Site Health and Safety Plan specific to the project shall be submitted 15 days prior to starting any work activity.

Storage & Use of Paint and Sealants

All flammable and combustible materials shall be stored, stacked, and handled with respect to their fire potential characteristics and potential environmental hazards. The Contractor shall check with the Construction Coordinator as many of these items are not authorized to be left on campus when not in immediate use. Many will require additional ventilation so read the MSDS completely prior to use on campus.

No volatile liquids are to be used for cleaning agents or as fuels for motorized equipment or tools within the building without coordination with the PDCS Project Manager and the written consent of Fire Marshal. Bulk storage of volatile liquids is not permitted within a building at any time. The Contractor may be required to implement HEPA and/or negative pressure systems to remove, Volatile Organic Compounds, smoke, fumes, dusts, etc., to prevent exposure to occupants.

Site Storm Water Requirements

Storm Water controls are mandatory if the project involves any exterior work. Concrete trucks are not allowed to wash out their chutes on site unless all of the water is collected and hauled off the jobsite. Painters are not allowed to wash drywall tools or paint brushes in UK sinks or landscape areas.

Absolutely no discharge of any construction related substance(s) will be allowed to flow into the sanitary or storm sewer system.

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Temporary Fire Protection

The Contractor shall review fire prevention and protection needs with the Construction and Safety Coordinators and establish procedures to be followed in the event of fire. The Contractor will instruct personnel in procedures and post warnings and information, maintain unobstructed access to fire extinguishers, temporary fire protection facilities, stairways and other access routes, prohibit smoking in hazardous areas, and provide supervision of welding operations, combustion type temporary heating units, and similar sources of ignition.

The Contractor shall be responsible for providing all equipment and labor necessary to protect students, staff, faculty, and the general public from dangers associated with the contract. This includes providing fire watch and fire extinguishers on the job site.

Unsafe Activities or Conditions

PDCS management has granted authority to its staff to stop an unsafe activity or condition and redirect the Contractor to work in a nonhazardous area until such time as the Contractor abates the hazard. Hazards must be abated as soon as possible after they have been identified. Imminent-hazard activities must be stopped and corrected immediately.

UK After Hours Work

Any work occurring after 6 PM and before 6 AM, Monday through Friday and anytime during weekends. (See Security Requirements)

UK Normal Work Hours

UK's normal working hours are 6 AM to 6 PM Monday through Friday.

UK CNS

Before the Contractor starts demolition activities on the project, he/she will consult with the Construction Coordinator about the removal of any telecommunication ports (usually a white or ivory receptacle), wireless antennas, projectors, or projection screens. The Contractor will not remove any of these items unless directed to do so by UK.

Usually UK CNS will be scheduled to remove these items.

Waste Disposal

All trash and debris must be contained on site and disposed of in a recycling bin or a waste receptacle in accordance with applicable laws and regulations to prevent wind or rain from carrying it off-site into a storm drain. Dumpsters and roll-offs shall be covered during rain events and during non-working hours. Petroleum wastes, such as paint thinner or oil based finishes, must be containerized for recycling or disposal by the Contractor. Never dispose of any type of liquid waste in a dumpster, storm or sanitary sewer

Safety Observations Correct Behaviors List

Head

- Workers shall wear hard hats at all times on the job site if required by the Contractor's safety department

Eyes / Face

- Workers shall wear safety glasses with side shields where designated by signs, site specific or contract requirements.
- Double eye protection shall be worn when grinding, welding, buffing, needle scaling, using a wire wheel, coring, working with hydraulic tools or high pressure hydraulic systems, chop sawing handling chemicals as required by the MSDS.
- Workers shall wear safety glasses and goggles when handling sand bags or working with 3:1 - grit sand, pure sand bags, blowing sand or chemicals as required by MSDS.
- Burning goggles and appropriately tinted welding lenses shall be worn when cutting, burning or welding respectively.
- Welding curtains or shields shall be used to protect other workers and pedestrians.

Ears

- Hearing Protection shall be worn in designated areas.
- Hearing protection shall be worn when chipping, grinding, arc gouging, concrete ramming, operating loud equipment, or any time you cannot hear the normal voice an arm's length away from another person.

Hands

- Leather Gloves or welding gloves shall be worn when performing hot work.
- Leather Glove Protectors shall be worn over electrically rated rubber gloves.
- Leather work gloves shall be worn during demolition of concrete, tile, rubble, etc.
- Leather Gloves shall be worn during shoveling, sledge hammering, pick-axe work, rock bar work or handling wood.
- Puncture and cut resistant gloves shall be used when working with sheet metal, glass and potentially sharp edged materials.
- Vibration reducing gloves shall be worn while jack hammering.
- Chemical resistant gloves shall be worn as directed by the MSDS while exercising caution for compatibility with chemicals.

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- Tear away (Cotton) gloves with leather or protective palms shall be used when working with wire rope and wire rope slings or lifting operations where there is a risk of a glove hanging up on rigging.

Feet

- ANSI rated steel or composite toe footwear shall be worn any time there is a risk of crushing injury to the toes, heavy/bulky material handling, around forklift and heavy equipment usage.
- Closed toe non-skid hard sole safety shoes shall be worn any time there is a risk of cuts, punctures, scrapes, and uneven terrain.
- Leather safety footwear shall be worn any time around welding or cutting.
- Electrically rated overshoes or boots shall be worn any time energized electrical work is being performed while not using insulated grounding mats.
- Compatible rubber overshoes or boots shall be worn when working with bulk chemicals or chemical process areas. (Check MSDS).

Clothing

- Long Pants and short or long sleeve shirts shall be worn during normal working conditions.
- Long sleeve flame retardant shirts shall be worn when welding or cutting. No torn tattered clothing will be allowed when welding or cutting.
- When working around exposed belts pulleys, nip, run-in, pinch points or rotating equipment, shirt shall be tucked and there shall be no loose clothing. Long hair shall be tied back and placed up or under garment.
- Pants shall be over boots when performing welding or cutting.
- No Loose jewelry shall be worn when working.
- No jewelry or metal eyewear frames shall be worn when working around electrical hazards.
- Compatible clothing shall be worn when working with chemicals (See MSDS).
- When working around electrical hazards as a qualified person, fire retardant shirts and pants with cotton undergarments shall be worn.
- When performing electrical hot work or working within the approach distance and prohibited boundaries the posted arc flash protection shall be worn.

Harness

- Workers shall wear a full body harness with double lanyard (100% Tie-Off) when working at 6 feet or higher and not protected by guardrails.
- The lanyard shall be attached to an OSHA rated or equivalent anchor point.

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Respirator

- A respirator shall be worn as directed by the MSDS, when welding or cutting in an enclosed or poorly ventilated area, during spray painting, epoxy flooring, sand blasting, dry grinding/cutting concrete, during lead or asbestos abatement, while processing chemicals as indicted in the MSDS.
- A dust mask shall be worn as directed by the MSDS, worn when sanding, grinding, using consumable cutting disks, installing fiberglass insulation, during demolition work involving insulation dust, sheet rock, and silica, dry cutting tile concrete or stone, and chipping stone during masonry operations in well ventilated areas.

Safety Vest

- A Safety vest shall be worn any time within a traffic control zone or within 18 feet of a shoulder of a roadway or in the roadway.
- During any flagging operations whether in a traffic control zone or within a construction site.

Site Control

- Each construction site or any area affected by a construction site, e.g., Electrical, mechanical rooms, floors above and below the construction site where the construction site has migrated to, shall be secured from unauthorized entry any time that an employee or worker is not on site.
- Positive barriers shall be provided to keep unauthorized Workers out of the construction areas.

Traffic Control

- Traffic control shall follow the Federal / Kentucky manual of uniform traffic control.
- Pedestrian traffic control shall provide clear detour directions for redirection of pedestrian traffic and shall not redirect pedestrians into hazardous situations or roadways. These controls shall be positive and not allow pedestrians to enter traffic control zones.
- Advance notice shall be given for alteration of ADA routes and parking
- Alteration of fire and emergency egress routes require approval from the Fire Marshal.

Environmental

- Storm and sewer drains shall be protected with silt fencing and sand bags during construction activities.
- Silt fencing shall be provided at storm water run-off points for outdoor construction areas when top soil is disturbed or where there is a risk of contamination from leaking equipment.
- Dumpster and roll-off containers shall not leak fluids and shall be covered during rainy weather and at the end of the day or final shift.
- No discharge of any kind is allowed on UK or surrounding property.

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- Equipment wash down is not allowed and must be contained.
- Concrete wash down and spoils are not allowed at any time on campus.
- Pressure washing run-off shall be contained and removed.
- Excessive dust, odors, smoke or fumes may require HEPA filtration, local exhaust or negative pressure systems.

Signage

- The required project, safety signage and tags shall be implemented and displayed as specified.
- Signs shall be placed at all construction area entry points and areas affected by the construction project, i.e., electrical and mechanical rooms or floors above and below the construction site where the construction site has migrated. Portable signage may be used for mobile short duration construction activity.

Climbing

- Workers shall maintain three-point contact at all times when climbing up or down.
- Workers shall not jump from platforms, ladders or scaffold, etc.
- Workers shall not climb on moving parts at any time or unsecured structure without fall protection. The Contractor shall verify that the structure is load rated prior to climbing.

Ladders / Stairways

- All ladders must be on a scheduled inspection scheme and inspected prior to use.
- Wooden ladders are not allowed on UK projects.
- Extension ladders shall be tied off or secured to a structure prior to use when not held in place by another worker.
- Workers shall maintain three-point contact at all times when climbing up or down
- Workers shall face the ladder when ascending and descending the ladder.
- The belt buckle shall remain in the frame rails at all times.
- Workers shall not carry tools up or down a ladder and should use a helper or hand-line.
- Ladders used in pedestrian or vehicle traffic areas shall be coned off and barricaded with signs posted in blind areas/other side or doors warning of ladder usage in order to prevent worker from being knocked off or ladder being knocked over.
- Extension ladders shall be set at a 4:1 or 75 degree ladder angle.
- The proper ladder shall be used for the job.

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- Fall protection shall be used greater than 6 feet, if work cannot be performed while facing the ladder or working with buckle within the rails of the ladder.
- Workers shall keep one hand on the handrail when ascending or descending stairs.
- Stairways shall be kept unobstructed.

Walkways

- Walkways shall be designated and free from obstructions, slip and trip hazards. A Trip Hazard is a change in grade of ½" or greater.
- Workers shall walk in designated walkways.
- Extension cords shall cross walkway as few times as possible and shall have ramps, cord protectors or be taped down.
- Plywood, chip board and Masonite protectors shall be secured to prevent warping.
- Trip hazards that cannot be avoided shall be identified with brightly colored paints or flagging tapes.

Housekeeping

- Work areas shall be kept clean and orderly at all times.
- They shall be free from rags, soda cans/bottles, spent containers of mud, paint, caulk, wood, tile, rubble, cardboard, steel, etc. All construction debris shall be promptly removed daily.
- Stair wells and electrical rooms shall not be used for storage.

Scaffold

- Scaffolds shall be OSHA approved, inspected and tagged prior to use.
- Workers shall access scaffold by a designated ladder only.
- All Workers working from the scaffold shall have scaffold awareness training.

Tools

- Use the correct and proper tool for the job.
- GFCI's are required on all extension cords.
- Extension cords shall be 14 gauge heavy duty.
- All high pressure hoses with crow's feet shall be pinned with safety clips or tied with safety wire.
- Check valves and backflow preventers shall be installed on cutting rigs.
- Use tools and equipment in the manner they were designed.

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- Tools and equipment shall be on a scheduled inspection system and shall be kept in good working condition and inspected prior to use.
- No nicked or damaged insulation on extension and power cords or welding leads 10 ft. from electrode holder.
- No leaking equipment.
- No makeshift tools. All shop made tools shall be certified by a registered engineer.

Guarding

- Guards shall remain in place on all tools and equipment while in use.
- Guards shall remain in place and be used for all saws, grinders, belts, pulleys, etc.
- Exposed electrical circuits and energized electrical equipment shall be guarded and tagged to protect unqualified workers.
- All unprotected edges, hatchways, skylights, holes or troughs in floors shall be guarded.

Lock - Out / Tag-Out (LOTO)

- Lock- Out / Tag-Out procedures shall be followed for controlling hazardous sources of energy.
- Breakers rendered inoperable shall be tagged listing the breakers that are inoperable.
- Breakers that are to remain closed shall be tagged and listed as to not open the circuit.
- Electrical hazards shall be tagged as “Electrical Hazard”
- Electrical systems being tested shall be “tagged testing in progress”.

Hand Position

- Hands shall be positioned to stay out of hazard areas, pinch and crush points.
- Hands shall be placed to achieve the best leverage and avoid repetitive stress.
- Hand tools shall be used in an ergonomically neutral position.

Body Mechanics / Position

- Workers shall keep their body square their work and face it if possible, except for throwing electrical switches, adjusting pressure regulators or opening and closing valves, Worker shall stand to the side.
- Keep body parts out of pinch/crush zones.
- Workers shall stand free of the bight of cable, rope, tag lines and never wrap any part of their body in a rope.
- Workers shall stand free from the line of fire from winch lines, tugger lines, blocks, pressure releases or flying debris.

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- Workers shall alternate on strenuous activities with heavy equipment, i.e., jack hammering, etc.

Physical Lifting

- Plan your lift and have a clear path when transferring loads.
- Check weight of the load prior to lift. Do not jerk the load.
- Keep feet shoulder width apart.
- Keep body close to load.
- Keep you back straight when lifting.
- Lift with your legs, not your back.
- Do not twist while lifting, pulling, or carrying a load.
- Consider two-person lifting when possible.

Pinch Points

- Workers shall never pass under an unsupported suspended load.
- Workers shall always have a clear escape route when lifting with cranes.
- Workers shall remain clear of run-in and nip points.

Tag Lines

- Tag Lines shall be used on loads being moved by a crane.
- Tag Lines shall be free from knots.
- Tag lines shall not be wrapped around any part of your body.
- Tag Lines shall be long enough to prevent workers from standing under the load while holding the tag line.

Rigging

- Use the correct load rated slings for the lift. Safe working load limits tags shall be in place on sling.
- All shackle pins shall be pinned with safety pins/wire.
- Slings and knots shall be used according to best practice.
- Slings and rigging shall be on an inspection program and inspected before use.
- Any free leg shall be shackled back to the live leg.
- Any shop made rigging shall be certified by a registered engineer.

Hand Signals

- Only one person shall be designated to give hand signals.
- A hand signal chart shall be located on the crane and job site.
- Crane operator shall always maintain eye contact with signal person.
- Anyone can give the emergency stop signal.

Storage

- All materials, tools and equipment shall be neatly and safely stored.
- Stored materials shall be barricaded, shall not block walkways, stairwells and egress routes and shall not create a fire or egress hazard.
- Stairwells and Electrical rooms shall not be used for any storage.

Emergency Numbers:

- **University Police: dial 911 from any campus phone or
(859)257-UKPD (8573): FREE CELL PHONE CALL: #8573 (#UKPD)**
- **UK Delta Room: (859) 257-2830 or (859) 257-3844**
- **Emergency Management Office: (859) 257-3815**
- **Building Emergency after regular working hours: (859) 257-3844**
- **UK - Planning, Design and Construction Services (PDCS):
(859) 257-2726 Fax (859)323-3287**
- **UK Parking & Transportation Services: (859) 257-5757**

University of Kentucky
Main Campus
Standard Fire Alarm Maintenance Procedure
(Temporary removal of Fire Alarm from service)

The following procedures shall be followed when a system is taken out of service for testing, maintenance, and renovation.

1. All requirements of NFPA 72 shall be followed.
2. Approval to remove a Fire Alarm system from service or to take a Fire Alarm out of service is restricted to regular, full time, University of Kentucky maintenance employees and those individuals granted owner authorization codes* by the PPD Manager of Electrical Services.

***Note 1:** Those without an owner authorization code will need to contact the person requesting/authorizing the work to obtain this code.

3. A request by telephone, 257-2830, or 2-way shall be made to the Delta Room dispatcher to remove a system from service by an approved individual. The Delta Room dispatcher shall note the location, owner authorization code, name, company and estimated time the system will be down and inform the person of the responsibilities outlined in item #5 of this procedure.

***Note 2:** THE PERSON WHO REQUESTS THE REMOVAL FROM SERVICE SHALL BE IN THE BUILDING AT ALL TIMES DURING THE OUT OF SERVICE PERIOD IN ORDER TO COMPLETE THE RESPONSIBILITIES OUTLINED IN ITEM #5.

4. The Delta Room dispatcher will notify the UK Police dispatcher and other assigned agencies, i.e. outside monitoring stations, that the building is out of service.
5. While out of service, any initiated alarm will result in a Fire Department response unless the person who removed the system from service notifies the Delta Room, immediately, that they initiated the alarm. (Note: It is not the Delta Room dispatchers duty to contact the person who took the system out of service.) At 05:00 PM, unless further notification is given to the Delta Room dispatcher, all systems will automatically be put back into service.

5.1. Immediate Fire Department response is required in all instances of Fire Alarm notification. There shall be no delay. In instances where the cause of the alarm is positively proven to be false, a call* can be placed to the UK Police dispatcher to see if the Fire Department can be held.

***Note 3:** The authority to place a call to hold the Fire Department is limited to the University Fire Marshall and the Delta Room dispatcher.

- 5.2. While “Out of Service”, any call placed via 911 shall initiate a Fire Department response under the Fire Alarm Response Procedure.
- 5.3. When a Fire Department response is required the Fire Alarm Response Procedure shall be followed.
6. If the justification for removing a Fire Alarm system from service is to perform work on the system itself, the Fire Alarm system shall be demonstrated to be reporting and functioning correctly, to the Delta Room dispatcher, before attempting to put the system in service.
7. When a system is put back in service, a request shall be made by telephone or 2-way to put a system back in service. (Note: The same person who took the system out of service shall return the system to service.)
8. The Delta Room dispatcher will notify the UK Police dispatcher and other assigned agencies, i.e. outside monitoring stations, that the system is back in service.

This procedure shall apply to all persons who remove a Fire Alarm System from service including, but not limited to: UKPPD personnel, Housing personnel, Ag maintenance, and contractors |

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Article 56 is in addition to, and takes precedence over the provisions of the Special Conditions for the Project.

ARTICLE 56

PART 1 –GENERAL

56.1.1 SUMMARY

- A. The scope of work includes all labor, materials, tools, equipment, facilities, transportation and services necessary for, and incidental to performing all operations in connection with protection of existing trees and other plants as shown on the drawings and as specified herein.
1. Provide preconstruction evaluations and Arborist Report.
 2. Provide tree and plant protection fencing.
 3. Provide protection of root zones and above ground tree parts and plants.
 4. Provide pruning of existing trees and plants.
 5. Provide all insect and disease control.
 6. Provide maintenance of existing trees and plants including irrigation during the construction period as recommended by the Arborist Report.
 7. Provide maintenance of existing trees and plants including irrigation during the post construction plant maintenance period.
 8. Remove tree protection fencing and other protection from around and under trees and plants.
 9. Clean up and disposal of all excess and surplus material.

56.1.2 CONTRACT DOCUMENTS

A. Shall consist of specifications, general conditions and the drawings. The intent of these documents is to include all labor, materials, and services necessary for the proper execution of the work. The documents are to be considered as one. Whatever is called for by any parts shall be as binding as if called for in all parts.

B. It is the intent of this section that the requirements apply to all sections of the project specification such that any subcontractor must comply with the restrictions on work within designated Tree and Plant Protection Areas.

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56.1.3 RELATED DOCUMENTS AND REFERENCES

A. Related Documents:

1. Drawings and general provisions of contract including general and supplementary conditions and Division I specifications apply to work of this section.
2. Section -Planting Soil
3. Section -Irrigation
4. Section -Planting
5. Section –Lawn

B. References: The following specifications and standards of the organizations and documents listed in this paragraph form a part of the specification to the extent required by the references thereto. In the event that the requirements of the following referenced standards and specification conflict with this specification section the requirements of this specification shall prevail. In the event that requirements of any of the following referenced standards and specifications conflict with each other the more stringent requirement shall prevail.

1. ANSI A 300 (Part 5) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Management of Trees & Shrubs During Site Planning, Site Development & Construction. Most current editions.
2. ANSI A 300 (Part 1) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Pruning. Most current editions.
3. ANSI Z133 Safety Requirements for Arboricultural Operations.
4. Glossary of Arboricultural Terms, International Society of Arboriculture, Champaign IL, most current edition.

56.1.4 VERIFICATION

A. All scaled dimensions on the drawings are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions and quantities, and shall immediately inform the Owner's Representative of any discrepancies between the information on the drawings and the actual conditions, refraining from doing any work in said areas until given approval to do so by the Owner's Representative.

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56.1.5 PERMITS AND REGULATIONS

A. The Contractor shall obtain and pay for all permits related to this section of the work unless previously excluded under provision of the contract or general conditions. The Contractor shall comply with all laws and ordinances bearing on the operation or conduct of the work as drawn and specified. If the Contractor observes that a conflict exists between permit requirements and the work outlined in the contract documents, the Contractor shall promptly notify the Owner's Representative in writing including a description of any necessary changes and changes to the contract price resulting from changes in the work.

B. Wherever references are made to standards or codes in accordance with which work is to be performed or tested, the edition or revision of the standards and codes current on the effective date of this contract shall apply, unless otherwise expressly set forth.

C. In case of conflict among any referenced standards or codes or between any referenced standards and codes and the specifications, the more restrictive standard shall apply or Owner's Representative shall determine which shall govern.

56.1.6 PROTECTION OF WORK, PROPERTY AND PERSON

A. The Contractor shall protect the work, adjacent property, and the public, and shall be responsible for any damages or injury due to his/her actions.

56.1.7 CHANGES IN THE WORK

A. The Owner's Representative may order changes in the work, and the contract sum should be adjusted accordingly. All such orders and adjustments plus claims by the Contractor for extra compensation must be made and approved in writing before executing the work involved.

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56.1.8 DEFINITIONS

All terms in this specification shall be as defined in the "Glossary of Arboricultural Terms" or as modified below.

- A. Owner's Representative: The person appointed by the Owner to represent their interest in the Tree and Plant Protection and approval of the work and to serve as the contracting authority with the Contractor. The Owner's Representative may appoint other persons to review and approve any aspects of the work.
- B. Reasonable and Reasonably: When used in this specification is intended to mean that the conditions cited will not affect the establishment or long term stability, health or growth of the plant. This specification recognizes that plants are not free of defects, and that plant conditions change with time. This specification also recognizes that some decisions cannot be totally based on measured findings and that professional judgment is required. In cases of differing opinion, the Owner's Representative expert shall determine when conditions within the plant are judged as reasonable.
- C. Shrub: Woody plants with mature height approximately less than 25 feet.
- D. Tree and Plant Protection Area: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction, and defined by a circle centered on the trunk with each tree with a radius equal to the crown dripline unless otherwise indicated by the owner's representative.
- E. Tree: Single and multi-stemmed plants with anticipated mature height approximately greater than 25 feet or any plant identified on the plans as a tree.

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56.1.9 SUBMITTALS

- A. ARBORIST REPORT: Prior to the start of construction, submit, for approval by the Owner's Representative, the report of a consulting arborist who is a Registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist, which details the following information for all trees to remain within the area designated on the drawings as the Tree and Plant Protection Area. The report shall include the following:
1. A description of each tree to protect indicating the following:
 - a. Genus and species
 - b. Condition including any visible damage to the root system or soil within the root zone
 - c. Tree diameter at 4.5 feet above grade
 - d. Tree height
 - e. Crown width
 - f. Any visible disease and/or insect infestations
 - g. Branch and/or trunk structural deficiencies.
 - h. Appraisal of value
 - i. Appraisal of benefits (storm water interception, heating/cooling, carbon sequestration)
 2. The report shall note all trees or parts of trees, which are considered a hazard or significant or extreme risk level. Include the International Society of Arboriculture Tree Risk Assessment evaluation sheet for each tree, which may reasonably be identified as a potential hazard tree.
 3. Recommendations as to treatment of all insect, disease and structural problems encountered.
 4. Recommendations for fertilizer treatments, if any.
 5. A plan of the site showing the location of all trees included in the report.
- B. PRODUCT DATA: Submit manufacturer product data and literature describing all products required by this section to the Owner's Representative for approval. Provide submittal four weeks before the start of any work at the site.
- C. QUALIFICATIONS SUBMITTAL: For each applicable person expected to work on the project, provide copies of the qualifications and experience of the Consulting Arborist, proof of either the registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist and any required Herbicide/Pesticide license to the Owner's Representative, for review prior to the start of work.

56.1.10 OBSERVATION OF THE WORK

- A. The Owner's Representative may inspect the work at any time.

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56.1.11 PRE-CONSTRUCTION CONFERENCE

A. Schedule a pre-construction meeting with the Owner's Representative at least seven (7) days before beginning work to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.

1. The following Contractors shall attend the preconstruction conference:

- a. General Contractor.
- b. Consulting Arborist.
- c. Subcontractor assigned to install Tree and Plant Protection measures.
- d. Earthwork Contractor.
- e. All site utility Contractors that may be required to dig or trench into the soil.
- f. Landscape subcontractor.
- g. Irrigation subcontractor

B. Prior to this meeting, mark all trees and plants to remain and or be removed as described in this specification for review and approval by the Owner's Representative.

56.1.12 QUALITY ASSURANCE

A. Contractor qualifications:

1. All pruning, branch tie back, tree removal, root pruning, and fertilizing required by this section shall be performed by or under the direct supervision of an ISA Certified Arborist. Submit aforementioned individual's qualifications for approval by the Owner's Representative.
2. All applications of pesticide or herbicide shall be performed by a person maintaining a current state license to apply chemical pesticides valid in the jurisdiction of the project. Submit copies of all required state licensing certificates including applicable chemical applicator licenses.

56.1.13 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN

- A. Specimen trees within or adjacent to construction areas will be identified by the Owner's Representative and the Architect, and marked with green tags. Loss of any of these trees will result in fines assessed at a minimum of \$10,000 (or higher appraised amount that may be determined by the University prior to construction) per tree. Damage to all other trees on the property will be assessed at the rate of \$200 per diameter inch of the tree measured 4.5' above grade.
- B. Any trees or plants designated to remain and which are damaged by the Contractor shall be replaced in kind by the Contractor at their own expense in addition to fines and penalties.

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Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) being replaced. For example, if a 20" diameter tree is to be replaced, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less. Where replacement plants are to be less than the size of the plant that is damaged, the Owner's Representative shall approve the size and quality of the replacement plant.

1. All trees and plants shall be installed per the requirements of Specification Section Planting.
- C. Plants that are damaged shall be considered as requiring replacement or appraisal in the event that the damage affects more than 25 % of the crown, 25% of the trunk circumference, or root protection area, or the tree is damaged in such a manner that the tree could develop into a potential hazard. Trees and shrubs to be replaced shall be removed by the Contractor at his own expense.
1. The Owner's Representative may engage an independent arborist to assess any tree or plant that appears to have been damaged to determine their health or condition.
- D. Any tree that is determined to be dead, damaged or potentially hazardous by the Owner's arborist and upon the request of the Owner's Representative shall be immediately removed by the Contractor at no additional expense to the owner. Tree removal shall include all clean-up of all wood parts and grinding of the stump to a depth sufficient to plant the replacement tree or plant, removal of all chips from the stump site and filling the resulting hole with topsoil.
- E. Any remedial work on damaged existing plants recommended by the Consulting Arborist shall be completed by the Contractor at no cost to the owner. Remedial work shall include but is not limited to: soil compaction remediation and vertical mulching, pruning and or cabling, insect and disease control including injections, compensatory watering, additional mulching, and could include application tree growth regulators (TGR). Any remedial work is to be performed by an ISA Certified Arborist, ISA Board Certified Master Arborist or a Registered Consulting Arborist.
- F. Remedial work may extend up to two years following the completion of construction to allow for any requirements of multiple applications or the need to undertake applications at required seasons of the year.

56.1.14 LOSS OF TREES DUE TO CONSTRUCTION FOOT PRINT

- A. Any trees or plants designated as removals to accommodate construction shall be replaced. Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) removed. For example, if a 20" diameter tree is removed, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as

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directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less.

PART 2 –PRODUCTS

56.2.1 MULCH

The coarse grade Mulch specified here is considered superior for its water retention and soil building properties in areas of tree and shrub roots when irrigation is drip, bubblers or flood methods.

A. Mulch shall be coarse, ground, from tree and woody brush sources. The minimum range of fine particles shall be 3/8 inch or less in size and a maximum size of individual pieces shall be approximately 1 to 1-1/2 inch in diameter and maximum length of approximately 4 to 8 inches. No more than 25% of the total volume shall be fine particles and no more than 20% of total volume be large pieces. Mulch will be applied to a depth of 3 to 5 inches. Mulch shall not come into contact with the tree trunk.

1. It is understood that Mulch quality will vary significantly from supplier to supplier and region to region. The above requirements may be modified to conform to the source material from locally reliable suppliers as approved by the Owner's Representative.

B. Submit supplier's product data that product meets the requirements and two-gallon sample for approval.

56.2.2 WOOD CHIPS

A. Wood Chips from an arborist chipping operation with less than 20% by volume green leaves. Chips stockpiled from the tree removal process may be used. Mulch will be applied to a depth of 5 to 8 inches. Mulch shall not come into contact with the tree trunk.

56.2.3 TREE PROTECTION FENCING

A. Chain link fencing shall be installed around all existing trees to remain. Fencing shall be 6' tall galvanized nine gauge, with 3" end and line post and 1" minimum top rails, and bottom tension wire a maximum of 3" off the ground. Post shall be driven into the ground and spacing shall not exceed 8 feet.

6 feet tall metal chain link fence set in metal frame panels on movable core drilled concrete blocks of sufficient size to hold the fence erect in areas of existing paving to remain.

B. Orange plastic fencing shall be installed on the outside of the chain link fencing to provide high visibility.

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C. GATES: For each fence type and in each separate fenced area, provide a minimum of one 3-foot-wide gate. Gates shall be lockable. The location of the gates shall be approved by the Owner's Representative.

D. Submit supplier's product data that product meets the requirements for approval.

56.2.4 TREE PROTECTION SIGN

A. Heavy-duty laminated or all weather signs, 11 inches x 17 inches, white colored background with black 2 inch high or larger block letters. The signs shall be attached to the tree protection fence every 50 feet. The tree protection sign shall read:

"Tree Protection Area - Keep Out"

The following information shall also be included on the sign:

- i. Genus and species
- ii. Tree diameter
- iii. Tree height
- iv. Appraised value of tree
- v. Benefits provided
 1. Storm water interception in gallons
 2. Carbon sequestration in pounds
 3. Energy Savings

56.2.5 TREE (Plant) GROWTH REGULATOR (TGR/PGR)

A. Active ingredient Paclobutrazol i.e. (ShortStop, Cambistat 25C, Profile 2SC or other)

B. Submit supplier's product data that product meets the requirements for approval.

56.2.6 SOIL & ROOT PROTECTION

On projects where the tree protection fencing cannot be installed to create the desired protection zone.

A. Matting for vehicle and work protection shall be heavy duty matting designed for vehicle loading over tree roots, Alturamat as manufactured by Alturamat, Inc. Franklin, PA 16323 or approved equal.

B. 1/2" Steel plates - Following the recommendations of the project arborist steel plates shall be installed to protect the roots from Construction activities.

C. Submit suppliers' product data that product meets the requirements for approval.

56.2.7 GEOGRID

A. Geogrid shall be woven polyester fabric with PVC coating, Uni-axial or biaxial geogrid, inert to biological degradation, resistant to naturally occurring chemicals, alkalis, acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit suppliers' product data that product meets the requirements for approval.

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56.2.8 GEOTEXTILE

A. Geotextile shall be nonwoven polypropylene fibers, inert to biological degradation and resistant of naturally occurring chemicals, alkalis and acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit supplier's product data that product meets the requirements for approval.

PART 3 –EXECUTION

56.3.1 SITE EXAMINATION

A. Examine the site, tree, plant and soil conditions. Notify the Owner's Representative in writing of any conditions that may impact the successful Tree and Plant Protections that is the intent of this section.

56.3.2 COORDINATION WITH PROJECT WORK

A. The Contractor shall coordinate with all other work that may impact the completion of the work.

B. Prior to the start of Work, prepare a detailed schedule of the work for coordination with other trades.

C. Coordinate the relocation of any irrigation lines currently present on the irrigation plan, heads or the conduits of other utility lines or structures that are in conflict with tree locations. Root balls shall not be altered to fit around lines. Notify the Owner's Representative of any conflicts encountered.

56.3.3 TREE AND PLANT PROTECTION AREA

A. The Tree and Plant Protection Area is defined as all areas indicated on the tree protection plan. Where no limit of the Tree and Plant Protection area is defined on the drawings, the limit shall be the drip line (outer edge of the branch spread) of each tree.

56.3.4 PREPARATION

A. Prior to the preconstruction meeting, layout the limits of the Tree and Plant Protection Area and then alignments of required Tree and Plant Protection Fencing and root pruning. Obtain the Owner's Representative's approval of the limits of the protection area and the alignment of all fencing and root pruning.

B. Flag all trees and shrubs to be removed by wrapping blue plastic ribbon around the trunk and obtain the Owner's Representative's approval of all trees and shrubs to be removed prior to the start of tree and shrub removal. After approval, mark all trees and shrubs to be removed with blue paint in a band completely around the base of the shrub(s) and around the trunk of the tree(s) 4.5 feet above the ground.

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C. Flag all trees and shrubs to remain with green plastic ribbon tied completely around the trunk or each tree and on a prominent branch for each shrub. Obtain the Owner's Representative's approval of all trees and shrubs to remain prior to the start of tree and shrub removal.

D. Prior to any construction activity at the site including utility work, grading, storage of materials, or installation of temporary construction facilities, install all tree protection fencing, Geotextile Fabric, silt fence, tree protection signs, Geogrid, Mulch and or Wood Chips as shown on the drawing.

56.3.5 SOIL MOISTURE

A. Volumetric soil moisture level, in all soils within the Tree and Plant Protection Area shall be maintained above permanent wilt point to a depth of at least 8 inches. No soil work or other activity shall be permitted within the Tree and Plant Protection Area when the volumetric soil moisture is above field capacity. The permanent wilt point and field capacity for each type of soil texture shall be defined as follows (numbers indicate percentage volumetric soil moisture).

Soil Type	Permanent wilt point v/v	Field Capacity v/v
Sand, Loamy sand, Sandy Loam	5-8%	12-18%
Loam, Sandy clay, Sandy clay loam	14-25%	27-36%
Clay loam, Silt loam	11-22%	31-36%
Silty clay, Silty clay loam	22-27%	38-41%

1. Volumetric soil moisture shall be measured with a digital, electric conductivity meter. The meter shall be the Digital Soil Moisture Meter, DSMM500 by General Specialty Tools and Instruments, or approved equivalent meter.

B. The Contractor shall confirm the soil moisture levels with a moisture meter. If the moisture is too high, suspend operations until the soil moisture drains to below field capacity.

56.3.6 ROOT PRUNING

A. Prior to any excavating into the existing soil grade within 25 feet of the limit of the Tree and Plant Protection Area or trees to remain, root prune all existing trees to a depth of 24 inches below existing grade in alignments following the edges of the Tree and Plant Protection Area or as directed by the Owner's Representative. Root pruning shall be in conformance with ANSI A300 Root Management Standard (part 8) latest edition.

1. Using an air excavation tool to expose roots within 2 feet of the limit of grading.

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2. After completion of excavation, make clean cuts with a lopper, saw or pruner to sever roots so they will not be torn, ripped or damaged by the excavation, and backfill the trench immediately with existing soil, filling all voids.

56.3.7 INSTALLATION OF GEOGRIDS, GEOTEXTILE FABRICS, MATTING, WOOD CHIPS AND OR MULCH

A. Install geogrids, geotextile fabric, matting, wood chips and or mulch in areas and depths shown on the plans and details or as directed by the Owner's representative. In general, it is the intent of this specification to provide the following levels of protection:

1. All areas within the Tree and Plant Protection area provide a minimum of 5 inches of wood chips or mulch.
2. Areas where foot traffic or storage of lightweight materials is anticipated to be unavoidable provide a layer of Filter Fabric under the 5 inches of wood chips or mulch.
3. Areas where occasional light vehicle traffic is anticipated to be unavoidable, provide approved matting or a layer of geogrids under 8 inches of wood chips or mulch.
4. Areas where heavy vehicle traffic is unavoidable provide approved matting or a layer of geogrids under 8 -12 inches of wood chips or mulch and a layer of matting over the wood chips or mulch.

B. The Owner's Representative shall approve the appropriate level of protection.

C. In the above requirements, light vehicle is defined as a track skid steer with a ground pressure of 4 psi or lighter. A heavy vehicle is any vehicle with a tire or track pressure of greater than 4 psi. Lightweight materials are any packaged materials that can be physically moved by hand into the location. Bulk materials such as soil, or aggregate shall never be stored within the Tree and Plant Protection Area.

56.3.8 PROTECTION

A. Protect the Tree and Plant Protection Area at all times from compaction of the soil; damage of any kind to trunks, bark, branches, leaves and roots of all plants; and contamination of the soil, bark or leaves with construction materials, debris, silt, fuels, oils, and any chemicals substance. Notify the Owner's Representative of any spills, compaction or damage and take corrective action immediately using methods approved by the Owner's Representative.

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56.3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA:

A. The Contractor shall not engage in any construction activity within the Tree and Plant Protection Area without the approval of the Owner's Representative including: operating, moving or storing equipment; storing supplies or materials; locating temporary facilities including trailers or portable toilets and shall not permit employees to traverse the area to access adjacent areas of the project or use the area for lunch or any other work breaks. Permitted activity, if any, within the Tree and Plant Protection Area may be indicated on the drawings along with any required remedial activity as listed below.

B. In the event that construction activity is unavoidable within the Tree and Plant Protection Area, notify the Owner's Representative and submit a detailed written plan of action for approval. The plan shall include: a statement detailing the reason for the activity including why other areas are not suited; a description of the proposed activity; the time period for the activity, and a list of remedial actions that will reduce the impact on the Tree and Plant Protection Area from the activity. Remedial actions shall include but shall not be limited to the following:

1. In general, demolition and excavation within the drip line of trees and shrubs shall proceed with extreme care either by the use of hand tools, directional boring and or air excavation where indicated or with other low impact equipment that will not cause damage to the tree, roots or soil.
2. When encountered, exposed roots, 1 inches and larger in diameter shall be worked around in a manner that does not break the outer layer of the root surface (bark). These roots shall be covered in Wood Chips and shall be maintained above permanent wilt point at all times. Roots one inch and larger in diameter shall not be cut without the approval of the Owner's Representative. Excavation shall be tunneled under these roots without cutting them. In the areas where roots are encountered, work shall be performed and scheduled to close excavations as quickly as possible over exposed roots.
3. Tree branches that interfere with the construction may be tied back or pruned to clear only to the point necessary to complete the work. Other branches shall only be removed when specifically indicated by the Owner's Representative. Tying back or trimming of all branches and the cutting of roots shall be in accordance with accepted arboricultural practices (ANSI A300, parts 1 and 8) and be performed by or direct under supervision of an ISA Certified Arborist.
4. Matting: Install temporary matting over the Wood Chips or Mulch to the extent indicated. Do not permit foot traffic, scaffolding or the storage of materials within the Tree and Plant Protection Area to occur off of the temporary matting.
5. Trunk Protection: Protect the trunk of each tree to remain by covering it with a ring of 8-foot-long 2-inch x 6 -inch planks loosely banded onto the tree with 3 steel bands.

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Staple the bands to the planks as necessary to hold them securely in place. Trunk protection may be kept in place no longer than 12 months. If construction requires work near a particular tree to continue longer than 12 months, the steel bands shall be inspected every six months and loosened if they are found to have become tight.

6. Air Excavation Tool: If excavation for footings or utilities is required within the Tree and Plant Protection Area, air excavation tool techniques shall be used where practical or as designed on the drawings.

a. Remove the Wood Chips from an area approximately 18 inches beyond the limits of the hole or trench to be excavated. Cover the Wood Chips for a distance of not less than 15 feet around the limit of the excavation area with Filter Fabric, tarp plastic sheeting to protect the Wood Chips from silt. Mound the Wood Chips so that the plastic slopes towards the excavation.

b. Using a sprinkler or soaker hose, apply water slowly to the area of the excavation for a period of at least 4 hours, approximately 12 hours prior to the work so that the ground water level is at or near field capacity at the beginning of the work. For excavations that go beyond the damp soil, rewet the soil as necessary to keep soil moisture near field capacity.

c. Using an air excavation tool specifically designed and manufactured for the intended purpose, and at pressures recommended by the manufacturer of the equipment, fracture the existing soil to the shape and the depths required. Work at rates and using techniques that do not harm tree roots. Air pressure shall be a maximum of 90-100 psi.

i. The air excavation tool shall be either the "Air-Spade" as manufactured by Division of Guardair Corporation 47 Veterans Drive Chicopee, MA 01022 (800)-482-7324, or Supersonic Air Knife as manufactured by Easy Use Air Tools, Inc. Allison Park, Pa (866) 328-5723 or approved equal.

d. Using a commercial, high-powered vacuum truck if required, remove the soil from the excavation produced by the Air Knife excavation. The vacuum truck should generally operate simultaneously with the hose operator, such that the soil produced is picked up from the excavation hole, and the exposed roots can be observed and not damaged by the ongoing operation. Do not drive the vacuum truck into the Tree and Plant Protection Area unless the area is protected from compaction as approved in advance by the Owner's Representative.

e. Remove all excavated soil and excavated wood chips, and contaminated soil at the end of the excavation.

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- f. Schedule the work so that foundations or utility work is completed immediately after the excavation. Do not let the roots dry out. Mist the roots several times during the day. If the excavated area must remain open overnight, mist the roots and cover the excavation with black plastic.
- g. Dispose of all soil in a manner that meets local laws and regulations.
- h. Restore soil within the trench as soon as the work is completed. Utilize soil of similar texture to the removed soil and lightly compact with hand tools. Leave soil mounded over the trench to a height of approximately 10% of the trench depth to account for settlement.
- i. Restore any geogrids, filter fabric, wood chips or mulch and or matting that was required for the area.

56.3.10 GRADING AND FILLING AROUND TREES

- A. Maintain existing grade within drip line of trees. Any variance to this will be executed only after consultation and recommendation from the Campus Arborist.
- B. Where existing grade is above new finish grade shown around trees, carefully hand excavate within drip line to new grade. Cut exposed roots approximately 3" below elevation of new finish grade. Engage an ISA certified Arborist to recommend procedures to compensate for loss of roots and to provide initial services such as pruning of branches and stimulation of root growth. Provide subsequent maintenance during contract period as recommended by the arborist. Provide Grounds Superintendent with typed instructions for recommended long range maintenance procedures to be followed after completion of construction operations.
- C. For minor fills where the existing grade is 4" or less below elevation of finish grade shown, use a topsoil type fill material rich in organic matter and loamy in texture. Place in single layers not more than two inches at a time and do not compact.
- D. Fills greater than four inches shall only be attempted after consultation with the Campus Arborist. Detailed shop drawings of proposed work shall be submitted and approved by the Campus Arborist prior to any work. A progress schedule shall be established to monitor the work.

56.3.11 TREE REMOVAL:

- A. Tree removals shall be performed by ISA Certified Arborists and companies shall have appropriate licenses and insurance for tree removal operations.
- B. Remove all trees indicated by the drawings and specifications, as requiring removal, in a manner that will not damage adjacent trees or structures or compacts the soil.

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- C. Remove trees that are adjacent to trees or structures to remain, in sections, to limit the opportunity of damage to adjacent crowns, trunks, ground plane elements and structures.
- D. Do not drop trees with a single cut unless the tree will fall in an area not included in the Tree and Plant Protection Area and there are no underground utilities that may be damaged. No tree to be removed within 50 feet of the Tree and Plant Protection Area shall be pushed over or up-rooted using a piece of grading equipment.
- E. Protect adjacent paving, soil, trees, shrubs, ground cover plantings and understory plants to remain from damage during all tree removal operations, and from construction operations. Protection shall include the root system, trunk, limbs, and crown from breakage or scarring, and the soil from compaction.
- F. Remove stumps and immediate root plate from existing trees to be removed. Grind trunk bases and large buttress roots to a depth of the largest buttress root or at least 18 inches below the top most roots whichever is less and over the area of three times the diameter of the trunk (DBH).
1. For trees where the stump will fall under new paved areas, grind roots to a total depth of 18 inches below the existing grade. If the sides of the stump hole still have greater than approximately 20% wood visible, continue grinding operation deeper and or wider until the resulting hole has less than 20% wood. Remove all wood chips produced by the grinding operation and back fill in 8 inch layers with controlled fill of a quality acceptable to the site engineer for fill material under structures, compacted to 95% of the maximum dry density standard proctor. The Owner's Representative shall approve each hole at the end of the grinding operation.
 2. In areas where the tree location is to be a planting bed or lawn, remove all woodchips and backfill stump holes with planting soil as defined in Specification Section Planting Soil, in maximum of 12 inch layers and compact to 80-85% of the maximum dry density standard proctor.
- G. Wood salvaged for up cycling will be identified by the Owner's Representative.
1. Sections of salvaged wood shall have a clean, flat cut across both ends.
 2. Ends of wood sections shall be sealed with AnchorSeal after being cut and before being loaded. Branch cuts on the length of wood sections shall be sealed with AnchorSeal.
 3. Care shall be taken when loading wood and logs not to damage the bark connection to the wood.
 4. Wood and logs shall be stored so there is no contact with the ground. Wood and logs should be elevated from the ground by placing on cross beams of wood, concrete or steel. Wood and logs may also be stored on a gravel, concrete or asphalt pad.

010000S02 Tree Protection Standards

56.3.12 PRUNING:

- A. Within six months of the estimated date of substantial completion, prune all dead or hazardous branches larger than 2 inch in diameter from all trees to remain.
- B. Implement all pruning recommendations found in the Arborist Report.
- C. Prune any low, hanging branches and vines from existing trees and shrubs that overhang walks, streets and drives, or parking areas as follows:
 - 1. Walks - within 7 feet vertically of the proposed walk elevation.
 - 2. Parking areas - within 10 feet vertically of the proposed parking surface elevation.
 - 3. Streets and drives - within 12 feet vertically of the proposed driving surface elevation.
- D. All pruning shall be done in accordance with ANSI A300 (part 1), ISA BMP Tree Pruning (latest edition, and the "Structural Pruning: A Guide for the Green Industry", Edward Gilman, Brian Kempf, Nelda Matheny and Jim Clark, 2013 Urban Tree Foundation, Visalia CA.
- E. Perform other pruning task as indicated on the drawings or requested by the Owner's Representative.
- F. Where tree specific disease vectors require, sterilize all pruning tools between the work in individual trees.

56.3.13 TREE (Plant) GROWTH REGULATOR APPLICATION (TGR/PGR)

- A. At the start of, or prior to, the construction contract period, treat all trees indicated on the Plan with Tree Growth Regulator at the recommended rates, time of year and methods indicated by the product distributor.

56.3.14 WATERING

- A. The Contractor shall be fully responsible to ensure that adequate water is provided to all plants to be preserved during the entire construction period. Adequate water is defined to be maintaining soil moisture above the permanent wilt point to a depth of 8 inches or greater.
- B. The Contractor shall adjust the automatic irrigation system, if available, and apply additional water, using hoses or water tanks as required.
- C. Periodically test the moisture content in the soil within the root zone to determine the water content.

56.3.15 TURF AND WEED MAINTENANCE

- A. Turf areas within the Tree and Plant Protection area shall be maintained in a manner that is consistent with University turf maintenance standards. This includes mowing, weed eating, edging, fertilization, weed control and leaf collection.

01000S02 Tree Protection Standards

B. During the construction period, control any plants that seed in and around the fenced Tree and Plant Protection area at least three times a year.

1. All plants that are not shown on the planting plan or on the Tree and Plant Protection Plan to remain shall be considered as weeds.

C. At the end of the construction period provide one final mowing and weeding of the Tree and Plant Protection Area.

56.3.16 INSECT AND DISEASE CONTROL

A. Monitor all plants to remain for disease and insect infestations during the entire construction period. Provide all disease and insect control required to keep the plants in a healthy state using the principles of Integrated Plant Management (IPM). All pesticides shall be applied by a certified pesticide applicator.

56.3.17 CLEAN-UP

A. During tree and plant protection work, keep the site free of trash, pavements reasonably clean and work area in an orderly condition at the end of each day. Remove trash and debris in containers from the site no less than once a week.

1. Immediately clean up any spilled or tracked soil, fuel, oil, trash or debris deposited by the Contractor from all surfaces within the project or on public right of ways and neighboring property.

B. Once tree protection work is complete, wash all soil from pavements and other structures. Ensure that Mulch is confined to planting beds.

C. Make all repairs to grades, ruts, and damage to the work or other work at the site.

D. Remove and dispose of all excess Mulch, Wood Chips, packaging, and other material brought to the site by the Contractor.

56.3.18 REMOVAL OF FENCING AND OTHER TREE AND PLANT PROTECTION

A. At the end of the construction period or when requested by the Owner's Representative remove all fencing, Wood Chips or Mulch, Geogrids and Geotextile Fabric, trunk protection and or any other Tree and Plant Protection material.

END OF SECTION



UNIVERSITY
OF KENTUCKY

Purchasing Division

Request for Proposal

UK-2304-23

Proposal Due Date – 12/13/2022

CM Services

Project #2563.0

CONSTRUCT AMBULATORY FACILITY- UKHC
CANCER TREATMENT CENTER/ AMBULATORY SURGERY CENTER



UNIVERSITY OF KENTUCKY

Purchasing Division

REQUEST FOR PROPOSAL (RFP)

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

PROPOSAL NO.:	UK-2304-23	RETURN ORIGINAL COPY OF PROPOSAL TO:
Issue Date:	11/16/2022	UNIVERSITY OF KENTUCKY
Title:	CM Services- Cancer Treatment / ASC	PURCHASING DIVISION
Purchasing Officer:	Corey W. Leslie	411 S LIMESTONE
Phone/email:	859-323-5405 / corey.leslie@uky.edu	ROOM 322 PETERSON SERVICE BLDG.
		LEXINGTON, KY 40506-0005

IMPORTANT: PROPOSALS MUST BE RECEIVED BY: 12/13/2022 3 P.M. LEXINGTON, KY TIME.

NOTICE OF REQUIREMENTS

- The University's General Terms and Conditions and Instructions to Bidders, viewable at www.uky.edu/Purchasing/terms.htm, apply to this RFP. When the RFP includes construction services, the University's General Conditions for Construction and Instructions to Bidders, viewable at www.uky.edu/Purchasing/ccphome.htm, apply to the RFP.
- Contracts resulting from this RFP must be governed by and in accordance with the laws of the Commonwealth of Kentucky.
- Any agreement or collusion among offerors or prospective offerors, which restrains, tends to restrain, or is reasonably calculated to restrain competition by agreement to bid at a fixed price or to refrain from offering, or otherwise, is prohibited.
- Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine of not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year nor more than five years, or both such fine and imprisonment. Any firm, corporation, or association who violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars or more than twenty thousand dollars.

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

- That I am the offeror (if the offeror is an individual), a partner, (if the offeror is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the offeror is a corporation);
- That the attached proposal has been arrived at by the offeror independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other Contractor of materials, supplies, equipment or services described in the RFP, designed to limit independent bidding or competition;
- That the contents of the proposal have not been communicated by the offeror or its employees or agents to any person not an employee or agent of the offeror or its surety on any bond furnished with the proposal and will not be communicated to any such person prior to the official closing of the RFP;
- That the offeror is legally entitled to enter into contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including, but not limited to, those prohibited by the provisions of KRS 45A.330 to .340, and 164.390;
- That the offeror, and its affiliates, are duly registered with the Kentucky Department of Revenue to collect and remit the sale and use tax imposed by Chapter 139 to the extent required by Kentucky law and will remain registered for the duration of any contract award;
- That I have fully informed myself regarding the accuracy of the statement made above.

SWORN STATEMENT OF COMPLIANCE WITH CAMPAIGN FINANCE LAWS

In accordance with KRS 45A.110 (2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to a bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

CONTRACTOR REPORT OF PRIOR VIOLATIONS OF KRS CHAPTERS 136, 139, 141, 337, 338, 341 & 342

The contractor by signing and submitting a proposal agrees as required by 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341 and 342 that have occurred in the previous five (5) years prior to the award of a contract and agrees to remain in continuous compliance with the provisions of the statutes during the duration of any contract that may be established. Final determinations of violations of these statutes must be provided to the University by the successful contractor prior to the award of a contract.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The contractor, by submitting a proposal, certifies that he/she is in compliance with the Code of Federal Regulations, No. 41 CFR 60-1.8(b) that prohibits the maintaining of segregated facilities.

SIGNATURE REQUIRED: This proposal cannot be considered valid unless signed and dated by an authorized agent of the offeror. Type or print the signatory's name, title, address, phone number and fax number in the spaces provided. Offers signed by an agent are to be accompanied by evidence of his/her authority unless such evidence has been previously furnished to the issuing office.

DELIVERY TIME:	NAME OF COMPANY:	DUNS #
PROPOSAL FIRM THROUGH:	ADDRESS:	Phone/Fax:
PAYMENT TERMS:	CITY, STATE & ZIP CODE:	E-MAIL:
SHIPPING TERMS: F. O. B. DESTINATION PREPAID AND ALLOWED	TYPED OR PRINTED NAME:	WEB ADDRESS:
FEDERAL EMPLOYER ID NO.:	SIGNATURE:	DATE:

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- E – Staffing Matrix
- F – Bonds and Affidavit
- G – DBE Participation Goals
- H – Tree Protection Standards
- I – Geotechnical Report (information only)

1.0 DEFINITIONS

The term "addenda" means written or graphic instructions issued by the University of Kentucky prior to the receipt of proposals that modify or interpret the RFP documents by additions, deletions, clarifications and/or corrections.

The term "competitive negotiations" means the method authorized in the Kentucky Revised Statutes, Chapter 45A.085.

The terms "offer" or "proposal" mean the offeror's/offers' response to this RFP.

The term "offeror" means the entity or contractor group submitting the proposal.

The term "contractor" means the entity receiving a contract award.

The term "purchasing agency" means the University of Kentucky, Purchasing Division, Room 322 Peterson Service Building, Lexington, KY 40506-0005.

The term "purchasing official" means the University of Kentucky's appointed contracting representative.

The term "responsible offeror" means a person, company or corporation that has the capability in all respects to perform fully the contract requirements and the integrity and reliability that will assure good faith performance. In determining whether an offeror is responsible, the University may evaluate various factors including (but not limited to): financial resources; experience; organization; technical qualifications; available resources; record of performance; integrity; judgment; ability to perform successfully under the terms and conditions of the contract; adversarial relationship between the offeror and the University that is so serious and compelling that it may negatively impact the work performed under this RFP; or any other cause determined to be so serious and compelling as to affect the responsibility of the offeror.

The term "solicitation" means RFP.

The term "University" means University of Kentucky.

2.0 GENERAL OVERVIEW

2.1 Intent and Scope

The University of Kentucky desires the services of an experienced and highly qualified construction management firm to provide "FULL SERVICE" construction management on the proposed project. The Construction Manager (CM) selected will become a responsible, cooperative and contributing member of the Owner's professional team for the design and construction of the project. The Construction Manager (CM) will provide assistance and advice and provide management services to the Owner and design consultants to assure the project is completed within defined budget, program and schedule.

The total scope of this project is \$ 400,000,000. The project will be designed with a total construction budget of approximately \$ 300,000,000 to include costs for Construction Management Services as well as for the award of trade contracts.

A contract will be awarded for the design phase, bidding, construction, and post-construction phase services.

The contract established for construction management services will be of a pure agency relationship through Phase 4 Bidding, and then convert to a "LUMP SUM, AT RISK" contract.

The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories. The Construction Manager will hold all construction contracts.

The Scope of Services is further defined in Section 7.0 of this Request for Proposal (RFP).

2.2 Background Information

The University of Kentucky Medical Center is undertaking an ambitious plan to construct a new Cancer Center/ Ambulatory Surgery Facility on the Lexington, Kentucky campus. The new building will be constructed on the south end of campus, adjacent to the existing main hospital. The new building will connect to Pavilion A via an elevated pedestrian bridge over South Limestone Street. This project further demonstrates the University's desire to continue to serve the needs of the community, state, and region.

2.3 University Information

Since his arrival, President Eli Capilouto has set forth an ambitious agenda to extend and enhance our role as Kentucky's land-grant and flagship research university. By focusing on infrastructure growth and improvement; creating opportunities for innovative teaching, learning, and academic excellence; fostering a robust research and creative scholarship enterprise; providing life-saving subspecialty care; empowering communities through service and outreach; and encouraging a transparent and shared dialogue about institutional priorities; the University of Kentucky will ensure a new century of promise for the people we impact.

Founded in 1865 as a land-grant institution adjacent to downtown Lexington, UK is nestled in the scenic heart of the beautiful Bluegrass Region of Kentucky. From its early beginnings, with only 190

students and 10 professors, UK's campus now covers more than 918 acres and is home to more than 30,000 students and approximately 14,500 employees, including more than 2,300 full-time faculty. UK is one of a small number of universities in the United States that has programs in agriculture, engineering, a full complement of health colleges including medicine and pharmacy, law and fine arts on a single campus, leading to groundbreaking discoveries and unique interdisciplinary collaboration. The state's flagship university consists of 17 academic and professional colleges where students can choose from more than 200 majors and degree programs at the undergraduate and graduate levels. The colleges are Agriculture, Food and Environment; Arts and Sciences; Business and Economics; Communication and Information; Dentistry; Design; Education; Engineering; Fine Arts; Graduate School; Health Sciences; Law; Medicine; Nursing; Pharmacy; Public Health; and Social Work. These colleges are supported by a modern research library system.

Research at the University of Kentucky is a dynamic enterprise encompassing both traditional scholarship and emerging technologies, and UK's research faculty, staff and students are establishing UK as one of the nation's most prolific public research universities. UK's research enterprise attracted \$285 million in research grants and contracts from out-of-state sources, which generated a \$580 million impact on the Kentucky economy. Included in this portfolio is \$153 million in federal awards from the National Institutes of Health, non-NIH grants from the Department Health and Human Services, the National Science Foundation, Department of Energy, Department of Agriculture and NASA, among others. The National Science Foundation ranks UK's research enterprise 44th among public institutions.

With more than 50 research centers and institutes, UK researchers are discovering new knowledge, providing a rich training ground for current students and the next generation of researchers, and advancing the economic growth of the Commonwealth of Kentucky. Several centers excel in the services offered to the public. The Gluck Equine Research Center is one of only three facilities of its kind in the world, conducting research in equine diseases.

The Center for Applied Energy Research is pursuing groundbreaking discovery across the energy disciplines. CAER staff are pioneering new ways to sustainably utilize Kentucky natural resources through carbon-capture algae technology, biomass/coal to liquid products and the opening of UK's first LEED-certified research lab to support the development of Kentucky's growing alternative energy industry. Among the brightest examples of UK's investment in transformative research is the Markey Cancer Center. As a center of excellence and distinction at UK, Markey's robust research and clinical enterprise is the cornerstone of our commitment to Kentucky – fundamental to our success in uplifting lives through our endeavors and improving the general health and welfare of our state – burdened by the nation's highest rate of cancer deaths per 100,000 people. In 2013, Markey earned the prestigious National Cancer Institute-designation (NCI) – one of 68 nationally and the only one in Kentucky.

The University of Kentucky was awarded a \$20 million Clinical Translational Sciences Award (CTSA) from the National Institutes of Health (NIH). As one of only 60 institutions with this research distinction, UK was awarded the CTSA for its potential in moving research and discovery in the lab into practical field and community applications. The CTSA and NCI are part of a trifecta of federal research grants that includes an Alzheimer's Disease Center. UK is one of only 22 universities in the country to hold all three premier grants from NIH.

Established in 1957, the medical center at UK is one of the nation's finest academic medical centers and includes the University's clinical enterprise, UK HealthCare. The 865 bed UK Albert B. Chandler Hospital and Kentucky Children's Hospital, along with 221 beds at UK Good Samaritan

Hospital, are supported by a growing faculty and staff providing the most advanced subspecialty care for the most critically injured and ill patients throughout the Commonwealth and beyond. Over the last several years, the number of patients served by the medical enterprise has increased from roughly 19,000 discharges to approximately 40,000 discharges in 2022.

UK Chandler Hospital includes the only Level 1 Trauma Center for both adult and pediatric patients in Central and Eastern Kentucky. Chandler Hospital is ranked the #1 hospital in Kentucky on the US News and world report. In addition, UK HealthCare recently opened one of the country's largest robotic hybrid operating rooms and the first of its kind in the region. While our patient care pavilion is the leading healthcare facility for advanced medical procedures in the region, our talented physicians consult with and travel to our network of affiliate hospitals so Kentucky citizens can receive the best health care available close to their home and never need to leave the Bluegrass for complex subspecialty care.

UK's agenda remains committed to accelerating the University's movement toward academic excellence in all areas and gain worldwide recognition for its outstanding academic programs, its commitment to students, its investment in pioneering research and discovery, its success in building a diverse community and its engagement with the larger society. It is all part of the University's fulfillment of our promise to Kentucky to position our state as a leader in American prosperity.

SUSTAINABILITY

Sustainability is an institution-wide priority for the University of Kentucky. We strive to ensure that all activities are ecologically sound, socially just, and economically viable, and that they will continue to be so for future generations. This commitment also prioritizes the integration of these principles in curricula, research, athletics, health care, creative works, and outreach. This principled approach to operational practices and intellectual pursuits is intended to prepare students and empower the campus community to support sustainable development in the Commonwealth and beyond. The UK Sustainability Strategic Plan guides these efforts (<https://www.uky.edu/sustainability/sustainability-strategic-plan>).

2.4 Supplier Diversity and Procurement

The University of Kentucky is committed to serve as an advocate for diverse businesses in their efforts to conduct business. Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

The University is committed to increasing the amount of goods and services acquired from businesses owned and controlled by diverse persons to 10% of all procurement expenditures. The University expects its suppliers to support and assist in this effort.

Among the University's goals for DBE participation in procurement are:

- To ensure the absence of barriers that reduce the participation of diverse suppliers
- Educate vendors on "how to" do business with the University
- Support diverse vendors seeking to do business with the University in the areas of goods, services, construction, and other areas of procurement
- Encourage participation of qualified diverse vendors by directing them to agencies that can benefit from their product or service

- Provide resources for diverse vendors
- Sponsor events to assist diverse vendors in becoming active, responsible, and responsive participants in the University's purchasing opportunities

For additional information regarding how diverse suppliers may participate in this Request for Proposal, submit any questions to the Purchasing Officer as indicated in Section 3.2 by the Deadline for Written Questions date.

3.0 PROPOSAL REQUIREMENTS

3.1 Key Event Dates

Release of RFP	11/16/2022
Pre-Proposal Conference (Optional)	11/29/2022 1:00pm
Deadline for Written Questions	3 p.m. Eastern Time on 12/06/2022
RFP Proposals Due	3 p.m. Eastern Time on 12/13/2022
Offeror Presentations*	01/10/2023
Contract Award*	01/17/2023

*projected dates

3.2 Offeror Communication

To ensure that RFP documentation and subsequent information (modifications, clarifications, addenda, Written Questions and Answers, etc.) are directed to the appropriate persons within the offeror's firm, each offeror who intends to participate in this RFP is to provide the following information to the purchasing officer. Prompt, thorough compliance is in the best interest of the offeror. Failure to comply may result in incomplete or delayed communication of addenda or other vital information. Contact information is the responsibility of the offeror. Without the prompt information, any communication shortfall shall reside with the offeror.

- Name of primary contact
- Mailing address of primary contact
- Telephone number of primary contact
- Fax number of primary contact
- E-mail address of primary contact
- Additional contact persons with same information provided as primary contact

This information shall be transmitted via fax or e-mail to:

Mr. Corey W. Leslie
 Purchasing Division
 University of Kentucky
 322 Peterson Service Building
 Lexington, KY 40506-0005
 Phone: (859) 257-9100
 Fax: (859) 257-1951

E-mail: cckbidquestions@uky.edu

All communication with the University regarding this RFP shall only be directed to the purchasing officer listed above.

3.3 Pre-Proposal Conference

A pre-proposal conference will be held in Lexington, Kentucky on 11/29/2022 at 1:00pm in Room 330A/B of the Gatton Student Center to allow prospective contractors an opportunity to ask questions and clarify the University's expectations. This conference provides offerors an opportunity for oral questions.

The following items should be noted in reference to the pre-proposal conference:

- Attendance at the pre-proposal conference is optional. At this conference, the scope of services will be discussed in detail.
- Offerors are encouraged to submit written questions after the conference by the date listed in Section 3.1.

The University will prepare written responses to all questions submitted and make them available to all offerors. The questions and answers will be made part of the RFP and may become part of the contract with the successful contractor. Answers given orally at the conference are not binding.

3.4 Offeror Presentations

All offerors whose proposals are judged acceptable for award may be required to make a presentation to the evaluation committee.

3.5 Preparation of Offers

The offeror is expected to follow all specifications, terms, conditions and instructions in this RFP.

The offeror will furnish all information required by this solicitation.

Proposals should be prepared simply and economically, providing a description of the offeror's capabilities to satisfy the requirements of the solicitation. Emphasis should be on completeness and clarity of content. All documentation submitted with the proposal should be bound in the single volume except as otherwise specified.

An electronic version of the RFP, in .PDF format only, is available through the University of Kentucky Purchasing Division website at: <https://purchasing.uky.edu/bid-and-proposal-opportunities>.

3.6 Proposed Deviations from the RFP

The stated requirements appearing elsewhere in this RFP shall become a part of the terms and conditions of any resulting contract. Any deviations therefrom must be specifically defined in accordance with the transmittal letter, Section 4.3 (d). If accepted by the University, the deviations shall become part of the contract, but such deviations must not be in conflict with the basic nature of this RFP.

Note: Offerors shall not submit their standard terms and conditions as exceptions to the University's General Terms and Conditions. Each exception to the University's General Terms and Conditions shall be individually addressed.

3.7 Proposal Submission and Deadline

Offeror must provide the following materials prior to 3 p.m. (Lexington, KY time) on the date specified in Section 3.1 and addressed to the purchasing officer listed in Section 3.2:

- **Technical Proposal:** One (1) copy on an electronic storage device (USB) (1 copy per storage device) each clearly marked with the proposal number and name, firm name and what is included (Technical Proposal) and eight (8) printed copies in a single package, separate from the Financial Proposal.
- **Financial Proposal:** One (1) copy on an electronic storage device (USB) (1 copy per storage device) each clearly marked with the proposal number and name, firm name and what is included (Financial Proposal) and two (2) printed copies in a single package, separate from the Technical Proposal.
- The University strongly encourages Offerors to identify one of the printed copies of each package (Technical and Financial) as the "Purchasing Copy" by label, stamp, or other clearly visible means. Should any deviations between copies be discovered, the Purchasing Copy will serve as the authoritative submittal of record.

Note: Proposals received after the closing date and time will not be considered. In addition, proposals received via fax or e-mail are not acceptable.

The University of Kentucky accepts deliveries of RFPs Monday through Friday from 8 a.m. to 5 p.m. Lexington, KY time. However, RFPs must be received by 3 p.m. Lexington, KY time on the date specified on the RFP in order to be considered.

Proposals shall be enclosed in sealed envelopes to the above referenced address and shall show on the face of the envelope: the closing time and date specified, the solicitation number and the name and address of the offeror. The technical proposal shall be submitted in a sealed envelope and the financial proposal shall be submitted in a sealed envelope under separate cover. Both sealed envelopes shall have identical information on the cover, with the addition that one will state "Technical Information," and the other, "Financial Proposal."

Note: In accordance with the Kentucky Revised Statute 45A.085, there will be no public opening.

3.8 Modification or Withdrawal of Offer

An offer and/or modification of offer received at the office designated in the solicitation after the exact hour and date specified for receipt will not be considered.

An offer may be modified or withdrawn by written notice before the exact hour and date specified for receipt of offers. An offer also may be withdrawn in person by an offeror or an authorized representative, provided the identity of the person is made known and the person signs a receipt for the offer, but only if the withdrawal is made prior to the exact hour and date set for receipt of offers.

3.9 Acceptance or Rejection and Award of Proposal

The University reserves the right to accept or reject any or all proposals (or parts of proposals), to waive any informalities or technicalities, to clarify any ambiguities in proposals and (unless otherwise specified) to accept any item in the proposal. In case of error in extension or prices or other errors in calculation, the unit price shall govern. Further, the University reserves the right to make a single award, split awards, multiple awards or no award, whichever is in the best interest of the University.

3.10 Rejection

Grounds for the rejection of proposals include (but shall not be limited to):

- Failure of a proposal to conform to the essential requirements of the RFP.
- Imposition of conditions that would significantly modify the terms and conditions of the solicitation or limit the offeror's liability to the University on the contract awarded on the basis of such solicitation.
- Failure of the offeror to sign the University RFP. This includes the Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest statements.
- Receipt of proposal after the closing date and time specified in the RFP.

3.11 Addenda

Any addenda or instructions issued by the purchasing agency prior to the time for receiving proposals shall become a part of this RFP. Such addenda shall be acknowledged in the proposal. No instructions or changes shall be binding unless documented by a proper and duly issued addendum.

3.12 Disclosure of Offeror's Response

The RFP specifies the format, required information and general content of proposals submitted in response to this RFP. The purchasing agency will not disclose any portions of the proposals prior to contract award to anyone outside the Purchasing Division, the University's administrative staff, representatives of the state or federal government (if required) and the members of the committee evaluating the proposals. After a contract is awarded in whole or in part, the University shall have the right to duplicate, use or disclose all proposal data submitted by offerors in response to this RFP as a matter of public record.

Any submitted proposal shall remain valid six (6) months after the proposal due date.

The University shall have the right to use all system ideas, or adaptations of those ideas, contained in any proposal received in response to this RFP. Selection or rejection of the proposal will not affect this right.

3.13 Restrictions on Communications with University Staff

From the issue date of this RFP until a contractor is selected and a contract award is made, offerors are not allowed to communicate about the subject of the RFP with any University administrator, faculty, staff or members of the board of trustees except: the purchasing office representative, any University purchasing official representing the University administration, others authorized in writing by the purchasing office and University representatives during offeror presentations. If violation of this provision occurs, the University reserves the right to reject the offeror's proposal.

3.14 Cost of Preparing Proposal

Costs for developing the proposals and any subsequent activities prior to contract award are solely the responsibility of the offerors. The University will provide no reimbursement for such costs.

3.15 Disposition of Proposals

All proposals become the property of the University. The successful proposal will be incorporated into the resulting contract by reference.

3.16 Alternate Proposals

Offerors may submit alternate proposals. If more than one proposal is submitted, all must be complete (separate) and comply with the instructions set forth within this document. Each proposal will be evaluated on its own merits.

3.17 Questions

All questions should be submitted by either fax or e-mail to the purchasing officer listed in Section 3.2 no later than the date listed in Section 3.1.

3.18 Section Titles in the RFP

Section titles used herein are for the purpose of facilitating ease of reference only and shall not be construed to infer the construction of contractual language.

3.19 No Contingent Fees

No person or selling agency shall be employed or retained or given anything of monetary value to solicit or secure this contract, except bona fide employees of the offeror or bona fide established commercial or selling agencies maintained by the offeror for the purpose of securing business. For breach or violation of this provision, the University shall have the right to reject the proposal, annul the contract without liability, or, at its discretion, deduct from the contract price or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee or other benefit.

3.20 Proposal Addenda and Rules for Withdrawal

Prior to the date specified for receipt of offers, a submitted proposal may be withdrawn by submitting a written request for its withdrawal to the University purchasing office, signed by the offeror. Unless requested by the University, the University will not accept revisions or alterations to proposals after the proposal due date.

3.21 Requirement To Perform Vendor Onboarding and Registration

As a condition of award, and for any renewals performed during the life of the contract, successful Contractor agrees to register their company with PaymentWorks, Inc., the University's vendor onboarding application. Registration information will be provided by the Purchasing Division as part of the award process. During the vendor registration process, successful Contractor agrees to provide any applicable information pertaining to diversity demographics for their company. Further, should any company or diversity information change during the life of the contract, successful Contractor agrees to update this information in PaymentWorks as applicable.

4.0 PROPOSAL FORMAT AND CONTENT

4.1 Proposal Information and Criteria

The following list specifies the items to be addressed in the proposal. Offerors should read it carefully and address it completely and in the order listed to facilitate the University's review of the proposal.

Proposals shall be organized into the sections identified below. The content of each section is detailed in the following pages. It is strongly suggested that offerors use the same numbers for the following content that are used in the RFP.

- Signed Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest Form
- Transmittal Letter
- Executive Summary and Proposal Overview
- Criteria 1 - Offeror Qualifications
- Criteria 2 - Services Defined
- Criteria 3 - Financial Proposal
- Criteria 4 - Evidence of Successful Performance and Implementation Schedule
- Criteria 5 - Other Additional Information

4.2 Signed Authentication of Proposal and Statements of Non-Collusion and Non-Conflict of Interest Form

The Offeror will sign and return the proposal cover sheet and print or type their name, firm, address, telephone number and date. The person signing the offer must initial erasures or other changes. An offer signed by an agent is to be accompanied by evidence of their authority unless such evidence has been previously furnished to the purchasing agency. The signer shall further certify that the proposal is made without collusion with any other person, persons, company or parties submitting a proposal; that it is in all respects fair and in good faith without collusion or fraud; and that the signer is authorized to bind the principal offeror.

4.3 Transmittal Letter

The Transmittal Letter accompanying the RFP shall be in the form of a standard business letter and shall be signed by an individual authorized to legally bind the offeror. It shall include:

- A statement referencing all addenda and written questions, the answers and any clarifications to this RFP issued by the University and received by the offeror (If no addenda have been received, a statement to that effect should be included.).
- A statement that the offeror's proposal shall remain valid for six (6) months after the closing date of the receipt of the proposals.
- A statement that the offeror will accept financial responsibility for all travel expenses incurred for oral presentations (if required) and candidate interviews.
- A statement that summarizes any deviations or exceptions to the RFP requirements and includes a detailed justification for the deviation or exception.
- A statement that identifies the confidential information as described in Section 6.23.

4.4 Executive Summary and Proposal Overview

The Executive Summary and Proposal Overview shall condense and highlight the contents of the technical proposal in such a way as to provide the evaluation committee with a broad understanding of the entire proposal.

As part of the Executive Summary and Proposal Overview, Offeror shall submit with their response a summarized profile describing the demographic nature of their company or organization:

1. When was your organization established and/or incorporated?
2. Indicate whether your organization is classified as local, regional, national, or international.
3. Describe the size of your company in terms of number of employees, gross sales, etc.

4. Is your company certified as small business, minority-owned, women-owned, veteran-owned, disabled-owned, or similar classification?
5. Include other demographic information that you feel may be applicable to the Request for Proposal submission.
6. Offeror shall describe in detail their company’s commitment to diversity, equity, and inclusion. Information shall be provided as to the number of diverse individuals that the vendor employs as well as a description of vendors efforts to do business with Diverse Business Enterprises as they conduct their own business. In additional, please indicate the diversity nature of your company as well as ownership race/ethnicity.

Check One Only	Diverse Business Description (If Diverse Business, determine the classification that is the best description)	Internal Code
	Minority Owned (only)	10
	Veteran Owned and Small Business	100
	Minority and Woman and Small Business	110
	Minority and Woman and Veteran-Owned Business	120
	Minority and Veteran and Small Business	130
	Woman and Veteran and Small Business	140
	Minority and Woman and Veteran-Owned Small Business	150
	Woman Owned (only)	20
	Small Business (only)	30
	Veteran Owned (only)	40
	Minority and Woman Owned	50
	Minority and Small Business	60
	Minority and Veteran-Owned	70
	Woman Owned and Small Business	80
	Woman and Veteran-Owned	90
	Diversity not indicated	999

Race/Ethnicity	Check One
Asian	
Black/African American	
Hispanic or Latino	
Native American	
Native Hawaiian/Pacific Islander	
White	
Other	

4.5 Criteria 1 - Offeror Qualifications

The purpose of the Offeror Qualifications section is to determine the ability of the offeror to respond to this RFP. Offerors must describe and offer evidence of their ability to meet each of the qualifications listed below.

Our supply chains and business partnerships are an important aspect of this work. In your proposal, please (A) provide your company's mission and vision relative to sustainability, and (B) how your company, through services, products, and partnerships, will help the University of Kentucky advance specific elements of the Sustainability Strategic Plan.

- a) Provide a brief narrative describing the history of your firm. Identify the number of employees in your firm, and the ownership.
- b) Provide an executive summary profile of your firm indicating the total annual volume of work; an overview of the firm's resources; the approximate percentage of University related work versus other owner types; a breakdown of your firm's volume relative to CM @ Risk, CM Agency, Lump-sum negotiated, Lump-sum hard bid, design-build, etc.; Indicate whether your firm routinely self-performs any trade work and if so the relative amount of self-performed work to the total volume. Indicate what resources, if any, your firm has regarding self-performed trade work. Provide any other information necessary to describe your core business parameters.
- c) Provide an organizational chart of your firm indicating the lines of authority for the senior personnel involved in performance of this contract and relationships of this staff to other programs or functions of the firm. This chart should show lines of authority to the next senior level of management beyond the project team level.
- d) Has your firm had a contract terminated for default in the last five years? If so, describe such incident.
- e) Indicate any other experience that demonstrates the qualifications of your firm for the performance of this contract.
- f) Provide your firm's Experience Modification Rate (EMR)
- g) Provide durable links to certified, audited financial statements including a full set of notes as follows:
 - a. For the past three (3) fiscal years, include at a minimum, income statements, balance sheets, and statements of changes in financial position or cash flows. If three (3) years of financial statements are not available, provide as much of this information as possible and explain why additional information is not available.
 - b. For a privately held company, when certified audited financial statements are not prepared, a written statement from the company's certified public accountant stating the financial condition, debt-to-asset ratio for the past three (3) years and any pending actions will suffice.
- h) Provide a statement about your firm's ASHE-KSHE certification.

4.6 Criteria 2 – Services Defined

Provide documentation of your firm's understanding of the CM services requested in the RFP and contract documents.

- a) Your proposal should provide for the completion of all work necessary to accomplish the scope of work defined in this RFP. Include a complete description of the proposed approach and methodology to accomplish the work described. The plan should be in sufficient detail to convey

to the evaluation team the CM's knowledge of projects of similar scale and complexity and the CM's knowledge of the requirements, demands, and constraints of this project.

- b) Explain how your firm/team approaches budgeting and budget maintenance to assure a successful completion within budget.
- c) Provide an organization chart, resumes of key team members, and brief description of roles and responsibilities. Include a detailed staffing chart for each phase (including pre-construction) of the project indicating the on-site staffing that you propose to perform the services requested. Include resumes for each key team member that highlights length of service at your firm, relevant experience of similar projects, indicating which are with your firm and which are at other firms, which team members have worked together on previous projects, and what other project commitments they have at this time. All proposed superintendents should have ASHE or KSHE contractor certification.
- d. Describe your firm's strategy to promote local trade, contractor, and vendor participation for this project.
- e. Describe your firm's strategy to ensure that there is sufficient trade partner workforce for the duration of the project
- f. If your firm does not have a local office please elaborate on your firm's approach to this project from a regional office, indicating the closest regional office, or ability to establish a Lexington office.
- g. Describe your firm's 5-year safety record.

4.7 Criteria 3 – Financial Proposal

The Financial Summary Form shall contain the complete financial offer made to the University using the format contained in Section 8.0. All financial information must be submitted in a sealed envelope under separate cover.

4.8 Criteria 4 – Evidence of Successful Performance and Implementation Schedule

- a) Explain how your firm/team approaches scheduling and schedule maintenance to assure a successful on time completion of the design and construction phases.
- b) Explain and provide project examples of your firm's successful partnership with design teams on similar projects in the past five years. Examples should include your ability to provide acceptable material alternates/construction solutions to remain within schedule and budget parameters.

4.9 Criteria 5 – Other Additional Information

The offeror may present any creative approaches that might be appropriate. The offeror may also provide supporting documentation that would be pertinent to this RFP.

The Offeror may provide information on their firm's local, regional, and national employee diversity metrics, and their firm's five-year historical utilization of DBE certified firms as first tier subcontractors at local, regional, and national levels.

The Offeror is also encouraged to provide information regarding their firm's diversity outreach and recruiting efforts, as well as information on outreach and mentoring programs to subcontractors and suppliers.

5.0 EVALUATION CRITERIA PROCESS

Phase 1: Technical Proposal

Evaluation Process and Scoring

A committee of University officials appointed by the Chief Procurement Officer will evaluate proposals and make a recommendation to the Chief Procurement Officer. The evaluation will be based upon the information provided in the proposal, presentations to the committee, additional information requested by the University for clarification, and information obtained from references and independent sources.

The evaluation committee will review proposals and discuss the merits of each Offeror's technical proposal. Each committee member will independently evaluate the Phase 1 proposals and indicate an ordinal ranking (1st, 2nd, 3rd, etc.) of the firms for each evaluation criteria contained in this document and weighed per criteria described in the table below. Each committee member's final score for each firm will be the weighted average of the ordinal rank for each evaluation criteria using the points available for the evaluation criteria. The firm's overall Phase 1 score will be the composite score of all committee members' scores for the firm.

Criteria Description	Phase 1 Criteria Weight
Project Team Qualifications	30
Services Defined	30
Qualifications – Firm	20
Scheduling Ability	10
Constructability and Interdisciplinary Coordination Review	10

The total weighted average points awarded to each Offeror by the committee members will determine the Phase 1: Technical Proposal ranks, and corresponding scores as illustrated below:

Rank	Phase 1 Score
1st	100
2nd	90
3rd	80
4th or below	70

The first, second, and third ranked firms may proceed to Phase 2. An Offeror that receives points below the natural break of points awarded for Phase 1 may be eliminated from further consideration regardless of the number of proposals received. The committee reserves the right to advance additional firms to Phase 2 in the event of a tie score or by decision of the committee.

Phase 2: Finalist Presentations and Non-Price Total Score

Evaluation Process and Scoring

Offerors that advance to Phase 2 will be invited to make finalist presentations to the evaluation committee and may be requested to provide additional or clarifying information.

Each Finalist should provide their financial proposal to the Purchasing Officer indicated in this document in the format(s) requested on or before the time and date of their presentation. No evaluation committee member will have any knowledge of any Offeror's financial proposal until released by the Purchasing Officer.

Phase 2, Step 1: Finalist Presentations Scoring

After all Finalist Presentations are concluded, each evaluation committee member will independently rank each Offeror.

The evaluation committee will then discuss and determine the ranking of each Offeror. The total weighted average ranking of each Offeror will determine the overall Phase 2, Step 1: Finalist Presentations rank, and corresponding score as illustrated below:

Rank	Phase 2, Step 1 Score
1st	100
2nd	75
3rd	50
4th or below	25

Phase 2, Step 2: Non-Price Total Score

The Non-Price Total Score is calculated by adding the Phase 1 score and Phase 2, Step 1 Score. The maximum Non-Price Total Score is 200.

Phase 3: Financial Proposal Score

The maximum Financial Proposal Score is 200. The Offeror proposing the lowest price/score will receive the maximum score of 200. Each higher financial proposal will receive a proportional score as determined by the formula below:

$$\frac{\text{Lowest Price}}{\text{Offeror's Price}} \times 200 = \text{Offeror's Financial Proposal Score}$$

Best and Final Offer (BAFO):

The Offeror(s) with the highest total scores from Phases 1, 2, and 3 may receive a request for a Best and Final Offer from the Purchasing Officer.

BAFOs are Financial Proposals and are scored identically.

Basis of Award: Offeror's Total Score

Maximum Phase 1: Technical Proposal Score	100	
Maximum Phase 2: Finalist Presentations Score	100	
Maximum Phase 3: Financial Proposal Score	200	
Maximum points available for Offeror's Total Score		400

The Offeror's Total Score is calculated by adding the Non-Price Score and the Offeror's Financial Proposal Score

The Offeror with the highest Total Score will receive the evaluation committee's recommendation for award unless the Offeror's Financial Proposal exceeds the authorized budget.

6.0 Special Conditions

Refer to Attachment C – Special Conditions – CM at Risk

6.1 Contract Term

Refer to Attachment C – Special Conditions – CM at Risk

6.2 Effective Date

The effective date of the contract shall be the date upon which the parties execute it and all appropriate approvals, including that of the Commonwealth of Kentucky Government Contracts Review Committee, have been received.

6.3 Competitive Negotiation

It is the intent of the RFP to enter competitive negotiation as authorized by KRS 45A.085.

The University will review all proposals properly submitted. However, the University reserves the right to request necessary modifications, reject all proposals, reject any proposal that does not meet mandatory requirement(s) or cancel this RFP, according to the best interests of the University.

Offeror(s) selected to participate in negotiations may be given an opportunity to submit a Best and Final Offer to the purchasing agency. All information-received prior to the cut-off time will be considered part of the offeror's Best and Final Offer.

The University also reserves the right to waive minor technicalities or irregularities in proposals providing such action is in the best interest of the University. Such waiver shall in no way modify the RFP requirements or excuse the offeror from full compliance with the RFP specifications and other contract requirements if the offeror is awarded the contract.

6.4 Appearance Before Committee

Any, all, or no offerors may be requested to appear before the evaluation committee to explain their proposal and/or to respond to questions from the committee concerning the proposal. Offerors are prohibited from electronically recording these meetings. The committee reserves the right to request additional information.

6.5 Additions, Deletions or Contract Changes

The University reserves the right to add, delete, or change related items or services to the contract established from this RFP. No modification or change of any provision in the resulting contract shall be made unless such modification is mutually agreed to in writing by the contractor and the Chief Procurement Officer and incorporated as a written modification to the contract. Memoranda of understanding and correspondence shall not be interpreted as a modification to the contract.

6.6 Contractor Cooperation in Related Efforts

The University reserves the right to undertake or award other contracts for additional or related work to other entities. The contractor shall fully cooperate with such other contractors and University employees and carefully fit its work to such additional work. The contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor or by University employees. This clause shall be included in the contracts of all contractors with whom this contractor will be required to cooperate. The University shall equitably enforce this clause to all contractors to prevent the imposition of unreasonable burdens on any contractor.

6.7 Entire Agreement

The RFP shall be incorporated into any resulting contract. The resulting contract, including the RFP and those portions of the offeror's response accepted by the University, shall be the entire agreement between the parties.

6.8 Governing Law

The contractor shall conform to and observe all laws, ordinances, rules and regulations of the United States of America, Commonwealth of Kentucky and all other local governments, public authorities, boards or offices relating to the property or the improvements upon same (or the use thereof) and will not permit the same to be used for any illegal or immoral purposes, business or occupation. The resulting contract shall be governed by Kentucky law and any claim relating to this contract shall only be brought in the Franklin Circuit Court in accordance with KRS 45A.245.

6.9 Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act

To the extent Company receives Personal Information as defined by and in accordance with Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act, KRS 61.931, 61.932 and 61.933 (the "Act"), Company shall secure and protect the Personal Information by, without limitation: (i) complying with all requirements applicable to non-affiliated third parties set forth in the Act; (ii) utilizing security and breach investigation procedures that are appropriate to the nature of the Personal Information disclosed, at least as stringent as University's and reasonably designed to protect the Personal Information from unauthorized access, use, modification, disclosure, manipulation, or destruction; (iii) notifying University of a security breach relating to Personal Information in the possession of Company or its agents or subcontractors within seventy-two (72) hours of discovery of an actual or suspected breach unless the exception set forth in KRS 61.932(2)(b)2 applies and Company abides by the requirements set forth in that exception; (iv) cooperating with University in complying with the response, mitigation, correction, investigation, and notification requirements of the Act, (v) paying all costs of notification, investigation and mitigation in the event of a security breach of Personal Information suffered by Company; and (vi) at University's discretion and direction, handling all administrative functions associated with notification, investigation and mitigation.

6.10 Termination for Convenience

The University of Kentucky, Purchasing Division, reserves the right to terminate the resulting contract without cause with a thirty (30) day written notice. Upon receipt by the contractor of a "notice of termination," the contractor shall discontinue all services with respect to the applicable contract. The cost of any agreed upon services provided by the contractor will be calculated at the agreed upon rate prior to a "notice of termination" and a fixed fee contract will be pro-rated (as appropriate).

6.11 Termination for Non-Performance

Default

The University may terminate the resulting contract for non-performance, as determined by the University, for such causes as:

- Failing to provide satisfactory quality of service, including, failure to maintain adequate personnel, whether arising from labor disputes, or otherwise any substantial change in ownership or proprietorship of the Contractor, which in the opinion of the University is not in its best interest, or failure to comply with the terms of this contract;
- Failing to keep or perform, within the time period set forth herein, or violation of, any of the covenants, conditions, provisions or agreements herein contained;
- Adjudicating as a voluntarily bankrupt, making a transfer in fraud of its creditors, filing a petition under any section from time to time, or under any similar law or statute of the United States or any state thereof, or if an order for relief shall be entered against the Contractor in any proceeding filed by or against contractor thereunder. In the event of any such involuntary bankruptcy proceeding being instituted against the Contractor, the fact of such an involuntary petition being filed shall not be considered an event of default until sixty (60) days after filing of said petition in order that Contractor might during that sixty (60) day period have the opportunity to seek dismissal of the involuntary petition or otherwise cure said potential default; or
- Making a general assignment for the benefit of its creditors, or taking the benefit of any insolvency act, or if a permanent receiver or trustee in bankruptcy shall be appointed for the Contractor.

Demand for Assurances

In the event the University has reason to believe Contractor will be unable to perform under the Contract, it may make a demand for reasonable assurances that Contractor will be able to timely perform all obligations under the Contract. If Contractor is unable to provide such adequate assurances, then such failure shall be an event of default and grounds for termination of the Contract.

Notification

The University will provide ten (10) calendar days written notice of default. Unless arrangements are made to correct the non-performance issues to the University's satisfaction within ten (10)

calendar days, the University may terminate the contract by giving forty-five (45) days notice, by registered or certified mail, of its intent to cancel this contract.

6.12 Funding Out

The University may terminate this contract if funds are not appropriated or are not otherwise available for the purpose of making payments without incurring any obligation for payment after the date of termination, regardless of the terms of the contract. The University shall provide the contractor thirty (30) calendar days' written notice of termination under this provision.

6.13 Prime Contractor Responsibility

Any contracts that may result from the RFP shall specify that the contractor(s) is/are solely responsible for fulfillment of the contract with the University.

6.14 Assignment and Subcontracting

The Contractor(s) may not assign or delegate its rights and obligations under any contract in whole or in part without the prior written consent of the University. Any attempted assignment or subcontracting shall be void.

6.15 Permits, Licenses, Taxes

The contractor shall procure all necessary permits and licenses and abide by all applicable laws, regulations and ordinances of all federal, state and local governments in which work under this contract is performed.

The contractor must furnish certification of authority to conduct business in the Commonwealth of Kentucky as a condition of contract award. Such registration is obtained from the Secretary of State, who will also provide the certification thereof. However, the contractor need not be registered as a prerequisite for responding to the RFP.

The contractor shall pay any sales, use, personal property and other tax arising out of this contract and the transaction contemplated hereby. Any other taxes levied upon this contract, the transaction or the equipment or services delivered pursuant hereto shall be the responsibility of the contractor.

The contractor will be required to accept liability for payment of all payroll taxes or deductions required by local and federal law including (but not limited to) old age pension, social security or annuities.

6.16 Attorneys' Fees

In the event that either party deems it necessary to take legal action to enforce any provision of the contract and in the event that the University prevails, the contractor agrees to pay all expenses of such action including attorneys' fees and costs at all stages of litigation.

6.17 **Royalties, Patents, Copyrights and Trademarks**

The Contractor shall pay all applicable royalties and license fees. If a particular process, products or device is specified in the contract documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the contract documents and the Contractor is responsible for payment of all associated royalties. To the fullest extent permitted by law the Contractor shall indemnify, hold the University harmless, and defend all suits, claims, losses, damages or liability resulting from any infringement of patent, copyright, and trademark rights resulting from the incorporation in the Work or device specified in the Contract Documents.

Unless provided otherwise in the contract, the Contractor shall not use the University's name nor any of its trademarks or copyrights, although it may state that it has a Contract with the University.

6.18 **Indemnification**

The contractor shall indemnify, hold and save harmless the University, its affiliates and subsidiaries and their officers, agents and employees from losses, claims, suits, actions, expenses, damages, costs (including court costs and attorneys' fees of the University's attorneys), all liability of any nature or kind arising out of or relating to the Contractor's response to this RFP or its performance or failure to perform under the contract awarded from this RFP. This clause shall survive termination for as long as necessary to protect the University.

6.19 **Insurance**

The successful Contractor shall procure and maintain, at its expense, the following minimum insurance coverages insuring all services, work activities and contractual obligations undertaken in this contract. These insurance policies must be with insurers acceptable to the University.

COVERAGES

Workers' Compensation
Employer's Liability
Commercial General Liability including operations/completed operations, products and contractual liability (including defense and investigation costs), and this contract
Business Automobile Liability covering owned, leased, or non-owned autos
Excess or Umbrella Insurance

LIMITS

Statutory Requirements (Kentucky)
\$500,000/\$500,000/\$500,000
\$5,000,000 each occurrence
(BI & PD combined) \$2,000,000 Products and Completed Operations Aggregate
\$2,000,000 each occurrence
(BI & PD combined)
\$10,000,000 each occurrence

The successful contractor agrees to furnish Certificates of Insurance for the above described coverages and limits to the University of Kentucky, Purchasing Division. The University, its trustees and employees must be added as additional insured on the Commercial General Liability policy with regard to the scope of this solicitation. Any deductibles or self-insured retention in the above-described policies must be paid and are the sole responsibility of the contractor. Coverage is to be primary and non-contributory with other coverage (if any) purchased by the University. All of these required policies must include a Waiver of Subrogation (except Workers' Compensation) in favor of the University, its trustees and employees.

6.20 Method of Award

It is the intent of the University to award a contract to the qualified offeror whose offer, conforming to the conditions and requirements of the RFP, is determined to be the most advantageous to the University, cost and other factors considered.

Notwithstanding the above, this RFP does not commit the University to award a contract from this solicitation. The University reserves the right to reject any or all offers and to waive formalities and minor irregularities in the proposal received.

6.21 Reciprocal Preference

In accordance with KRS 45A.494, a resident offeror of the Commonwealth of Kentucky shall be given a preference against a nonresident offeror. In evaluating proposals, the University will apply a reciprocal preference against an offeror submitting a proposal from a state that grants residency preference equal to the preference given by the state of the nonresident offeror. Residency and non-residency shall be defined in accordance with KRS 45A.494(2) and 45A.494(3), respectively. Any offeror claiming Kentucky residency status shall submit with its proposal a notarized affidavit affirming that it meets the criteria as set forth in the above reference statute.

6.22 Reports and Auditing

Contractor shall provide a quarterly report to the University of all product(s) and/or service(s) based on an Excel template provided by the Purchasing Division. The template will require basic line item order information to include, but not limited to: purchase transaction date, purchase order number, product/catalog number, description, UOM, price each, extended price, invoice number, etc. The Excel reporting template is available upon request from the Purchasing Division and is subject to change. The Excel template provided by the Purchasing Division is the only reporting format that may be used; Contractor-submitted reports based on internal reporting or templates will not be accepted. The reporting date structure shall follow the below outline and begin with the quarter in which the contract is executed. The date of the purchase order (or other transaction type that may be used with the Contractor (e.g., procurement card)) shall determine the quarter in which the transaction is to be reported.

In addition to the aforementioned quarterly reporting of goods and services, contractors are also required to report summary dollar amounts of goods and services sold to the University via the resulting contract and originating from diversity Tier 2 or subcontractors affiliated with company. Quarterly reports for Tier 2 diverse suppliers/subcontractors must accompany the standard quarterly report requirement. Due to the broad array of diversity reporting utilized, the University does not require specific classifications of diverse purchases; the successful contractor may report Tier 2 purchase amounts as produced by their information systems and with sub-classifications as they are available. If the successful contractor does not have any Tier 2 reporting for diverse suppliers to accompany their quarterly report submissions, they must indicate this when submitting their standard quarterly reports.

FY Quarter 1 report for purchases dated July 1 through September 30	Quarterly report due October 20
FY Quarter 2 report for purchases dated October 1 through December 31	Quarterly report due January 20
FY Quarter 3 report for purchases dated January 1 through March 31	Quarterly report due April 20
FY Quarter 4 report for purchases dated April 1 through June 30	Quarterly report due July 20

Report headers shall also be completed with the Contractor's name, contract number, and reporting period.

Reports can be submitted via email to UKPurchasing@uky.edu based by the deadline(s) listed herein.

The University, or its duly authorized representatives, shall also have access to any books, documents, papers, records or other evidence which are directly pertinent to this contract for the purpose of financial audit or program review.

In the event that successful Contractor(s) does not meet the reporting requirements based on the terms and conditions herein, the contract is subject to cancellation or termination.

6.23 Confidentiality

The University recognizes an offeror's possible interest in preserving selected information and data included in the proposal; however, the University must treat such information and data as required by the Kentucky Open Records Act, KRS 61.870, et seq.

Information areas which normally might be considered proprietary, and therefore confidential, shall be limited to individual personnel data, customer references, formulae and company financial audits which, if disclosed, would permit an unfair advantage to competitors. If a proposal contains information in these areas and the offeror declares them to be proprietary in nature and not available for public disclosure, the offeror shall declare in the Transmittal Letter the inclusion of proprietary information and shall noticeably label as confidential or proprietary each sheet containing such information. Proposals containing information declared by the offeror to be proprietary or confidential, either wholly or in part, outside the areas listed above may be deemed non-responsive and may be rejected.

The University's General Counsel shall review each offeror's information claimed to be confidential and, in consultation with the offeror (if needed), make a final determination as to whether or not the confidential or proprietary nature of the information or data complies with the Kentucky Open Records Act.

6.24 Conflict of Interest

This Request for Proposal and resulting Contract are subject to provisions of the Kentucky Revised Statutes regarding conflict of interest and the University of Kentucky's Ethical Principles and Code of Conduct (www.uky.edu/Legal/ethicscode.htm). When submitting and signing a proposal, an offeror is certifying that no actual, apparent or potential conflict of interest exists between the interests of the University and the interests of the offeror. A conflict of interest (whether contractual, financial, organizational or otherwise) exists when any individual, contractor or subcontractor has a direct or indirect interest because of a financial or pecuniary interest, gift or other activities or relationships with other persons (including business, familial or household relationships) and is thus unable to render or is impeded from rendering impartial assistance or advice, has impaired objectivity in performing the proposed work or has an unfair competitive advantage.

Questions concerning this section or interpretation of this section should be directed to the University purchasing officer identified in this RFP.

6.25 Personal Service Contract Policies

Pursuant to the Kentucky Model Procurement Code (Code), the Government Contract Review Committee (GCRC) of the Kentucky General Assembly may establish policies that govern personal service contracts. Under the Code, a personal service contract is an agreement whereby an individual, firm, partnership or corporation is to perform certain services requiring professional skill or professional judgment for a specified period of time at an agreed upon price.

A. Professional Service Rate Schedules:

The GCRC has established rate schedules for certain professional services and may impact any contract established under the Code. These rate schedules are located on the GCRC website at the following link: <https://apps.legislature.ky.gov/moreinfo/contracts/homepage.html>. Access/click the dropdown menu within the web page for the rates information.

B. Invoicing of Personal Service Contracts:

The Kentucky Model Procurement Code was recently amended to establish conditions for invoicing for fees for personal service contracts. It states, "No payment shall be made on any personal service contract unless the individual, firm, partnership, or corporation awarded the personal service contract submits its invoice on a form established by the committee." The Government Contract Review Committee has adopted a personal service contract invoice form that must be submitted as a condition of payment. A copy of the form is located on the GCRC website at: <https://apps.legislature.ky.gov/moreinfo/contracts/PSC%20INVOICE%20FORM.pdf>.

6.26 Copyright Ownership and Title to Designs and Copy

The contractor and University intend this RFP to result in a contract for services, and both consider the products and results of the services to be rendered by the contractor hereunder to be a work made for hire. The contractor acknowledges and agrees that the work and all rights therein, including (without limitation) copyright, belongs to and shall be the sole and exclusive property of the University. For any work that is not considered a work made for hire under applicable law, title and copyright ownership shall be assigned to the University.

Title to all dies, type, cuts, artwork, negatives, positives, color separations, progressive proofs, plates, copy and any other requirement not stated herein required for completion of the finished product for use in connection with any University job shall be the property of and owned by the University. Such items shall be returned to the appropriate department upon completion and/or delivery of work unless otherwise authorized by the University. In the event that time of return is not specified, the contractor shall return all such items to the appropriate University department within one week of delivery.

6.27 University Brand Standards

The contractor must adhere to all University of Kentucky Brand Standards. University Brand Standards are maintained by the University Public Relations Office (UKPR) and can be viewed at <http://www.uky.edu/prmarketing/brand-standards>. Non-adherence to the standards can have a penalty up to and including contract cancellation. Only the UKPR Director or designee can approve exceptions to the University standards.

Graphics standards for the UK HealthCare areas are governed by UK HealthCare Clinical Enterprise Graphic Standards, found at: <https://ukhealthcare.uky.edu/staff/brand-strategy>.

Contractor warrants that its products or services provided hereunder will be in compliance with all applicable Federal disabilities laws and regulations, including without limitation the accessibility requirements of Section 255 of the Federal Telecommunications Act of 1996 (47 U.S.C. § 255) and Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), and its implementing regulations set forth at Title 36, Code of Federal Regulations, Part 1194. For purposes of clarity, updated regulations under Section 508 standards now incorporate WCAG 2.0, and for purposes of this agreement WCAG 2.0 Level AA compliance is expressly included. Contractor agrees to promptly respond to, resolve and remediate any complaint regarding accessibility of products or services in a timely manner and provide an updated version to University at no cost. If deficiencies are identified, University reserves the right to request from Contractor, a timeline by which accessibility standards will be incorporated into the products or services provided by Contractor and shall provide such a timeline within a commercially reasonable duration of time. Failure to comply with these requirements shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement.

Where any customized web services are provided, Contractor represents that it has reviewed the University's Web Policy and all products or services will comply with its published standards.

Contractor will provide University with a current Voluntary Product Accessibility Template (VPAT) for any deliverable(s). If none is available, Vendor will provide sufficient information to reasonably assure the University that the products or services are fully compliant with current requirements.

6.28 Printing Statutes

The purchase of printing services for all state agencies is governed by Chapter 57 of the Kentucky Revised Statutes. Specifically, all printing must be awarded to the lowest responsive bidder and approved by the Governor of Kentucky. In compliance with these statutes, all printing must be provided by a contract established by the Purchasing Division.

6.29 Requirement for Contract Administration Fee

As a condition of award, successful Contractor(s) shall provide a contract administration fee to the University for all goods and/or services provided under the resultant contract. The fee shall be on a quarterly basis and shall be equivalent to 2% of the aggregate net value of goods/services sold to the University, exclusive of freight charges.

The fee shall be reported and paid within 30 calendar days of the end of conventional calendar quarters ending March 31, June 30, September 30, and December 31 of each year. The fee applies to orders which have been successfully delivered/installed and invoiced in the previous quarter. Fees shall be paid in the form of a check made payable to the University of Kentucky and shall be delivered to the Purchasing Division, Room 322 Peterson Service Building, 411 S. Limestone, Lexington, Kentucky 40506-0005. Each fee payment must be accompanied by a statement indicating the referenced University price contract to which it applies and indicate the aggregate value of goods/services provided and invoiced during the quarter, the fee percentage applied, and the net amount of the quarterly payment. If any errors are found in the report or calculations as determined by University, the successful Contractor shall correct immediately upon notification.

The successful Contractor(s) may extend the pricing, terms, and/or conditions of this contract to other universities, state agencies, and public and private institutions, with prior approval of the University of Kentucky. The successful Contractor(s) will pay the University of Kentucky a contract administration fee of two (2) % of goods/services provided and invoiced during the quarter. The fee shall be reported and paid within 30 calendar days of the end of conventional calendar quarters ending March 31, June 30, September 30, and December 31 of each year. The fees shall be in the form of a check made payable to the University of Kentucky and shall be delivered to the Purchasing Division, Room 322 Peterson Service Building, 411 S. Limestone, Lexington, Kentucky 40506-0005.

The successful Contractor must notify the Contracting Officer when the resultant contract is utilized by other universities, state agencies, and public and private institutions in Kentucky.

In the event that successful Contractor(s) does not provide the quarterly payment based on the terms and conditions herein, the contract is subject to cancellation or termination.

6.30 **Payment Terms**

The University adheres to a strategic approach regarding payables management based on risk minimization, processing costs, and industry best practices. As such, suppliers and individuals doing business with the University will be paid based on the following protocol:

1. The University utilizes Payment Plus (e-payables) as its primary default form of payment. By enrolling in Payment Plus, suppliers can receive payments immediately (all invoices will be paid immediately upon confirmation of goods receipt and invoice). The process is electronic and the supplier receives real-time payment notices. Additional information regarding Payment Plus (and enrollment form) can be found at: <https://www.uky.edu/ufs/payment-plus-supplier-enrollment-form>.
2. Payments by check. Payment terms for check payments are Net-30.
3. Individuals receiving payments from the University that require ACH direct payments will only be processed under special circumstances as approved by the Controller's office. Payment terms for ACH are Net-40.

7.0 **SCOPE OF SERVICES**

The Construction Manager (CM) will provide the following services:

- Design Phase (Review of Schematic Design Documents, Design Development Documents, Construction Documents and estimating)
- Bid and Award
- Construction, including Acceptance
- Post Construction, including Warranty.

The CM, in consultation with the Designer of Record and the University, will recommend the deliverables of project schedule consistent with Bid Packages necessary to complete the construction within the specified time. Subject to the approval by both the Designer of Record and University the CM will assume the lead in developing and maintaining the project schedule, bidding, construction progress, facility acceptance, and all post construction activities.

7.1 **Detailed Services Defined**

This project consists of 5 related projects;

- Construction of a new roadway to serve the project site. This will replace Press Ave. from Gazette to Transcript, and Elizabeth St. from Transcript to Waller Ave.
- A 1350 space post-tensioned parking structure.
- A 350,000 SF Cancer Treatment / ASC building. (is this the right square footage?)
- A pedestrian bridge from the Cancer Treatment / ASC building to Pavilion A.
- An underground utility tunnel under S. Limestone to connect the project site with the existing steam and chilled water campus loop.

Each Offeror shall provide information, documentation and other necessary materials that best demonstrates and informs the University of the firm's abilities, professional competence, experience and expertise that will enable the firm to provide the construction management services desired. Demonstrated experience and success in promoting and achieving project MBE/WBE participation is

desirable. Each Offeror is expected to examine all specifications, terms, conditions, and instructions in this Request for Proposal. Failure to do so will be at the Offeror's risk.

The submittal response should be focused with straight forward concise descriptions of the firm's capabilities. In keeping with this requirement, the Offeror's response to this request should be no more than (50) fifty pages, not including any preprinted firm information and brochures. Broad scope of services that may be required on this project include, but not necessarily be limited to those described below:

Please complete the attached matrix entitled "Construction Phase Staffing Standardization Matrix", "Offeror's Recommended Staffing", Attachment "E" providing the staffing level you would recommend for the duration of construction activities.

7.1.1 Design Phase Services

The University has retained an Architect of Record (Champlin Architecture) to provide design and conventional architectural contract administration services for *the* project. The CM, in consultation the Architect and the University, will take the lead and develop the remainder of the project schedule, subject to approval by both the Architect and the University.

The CM shall:

1. Prepare required detailed construction cost estimates at each phase of design (I, II, III) to support the design process.
2. Participate in Phase III Construction Document progress review sessions for the purpose of providing input with respect to constructability, contractibility, value engineering, scheduling, and document development. In addition, the Construction manager will provide a comprehensive, independent constructability and interdisciplinary coordination review of the final construction documents for Bid Packages.
3. Provide Special Conditions for approval by the Architect and the University and for inclusion in bidding and contract documents.
4. Continually conduct a value analysis of the design to identify opportunities to reduce construction costs and/or to improve facility performance.
5. Develop a detailed phasing plan and construction schedule for the project, including identification of long lead items, off-site fabrication materials and owner supplied equipment and materials.
6. Develop a project implementation plan and site staging plan coordinated with Owner and Municipalities' activities around and adjacent to the site.
7. Investigate and conduct an analysis of construction labor, fabrication, and material markets in preparation for project bidding.
8. Develop scope of Work for multiple bid packages.
9. Communicate with area contractors (subcontractors) during the preparation of bid package(s) and during the project bid phase(s).

7.1.2 Bid And Award Phase Services

- 1) The CM shall assist the Owner's Capital Construction Procurement Division to insure that all bidding activities result in qualified contractors for the lowest possible costs.
- 2) Bids will be solicited by the University in accordance with the Commonwealth of Kentucky Model Procurement Code (KRS 045A). The CM will participate in the post bid evaluation and verification of the qualifications of the firms submitting apparent low bids for each of the bid packages for the project to assist in the determination of the proposals representing the best value to the University.
- 3) As each trade contract and/or purchase order is executed by the CM, the contract between the CM and the University shall be adjusted by an equal amount so that the total contract sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus the base fee for CM Services previously established during Phase II of the CM selection process.

7.1.3 Construction Phase Services

The CM shall:

- 1) Enter into direct contracts with all Trade Contractors and Suppliers.
- 2) Assume the responsibility for the overall administration of construction contracts.
- 3) Provide full-time staff throughout construction for the purpose of monitoring, managing, inspecting, scheduling, and coordinating the timely progress, performance, quality and contract compliance of the trade contractors and suppliers.
- 4) Schedule and conduct meetings, as necessary, and prepare and distribute meeting minutes.
- 5) Develop and maintain a detailed construction schedule in accordance with Contract General Conditions Article 32 and Special Conditions Article 11.
- 6) Request pricing, review and negotiate costs, and make recommendations on all necessary changes to the contracts and/or purchase orders. The contract between the CM and the University shall be amended by change order so that the total sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus approved change orders to the trade contracts and purchase orders, plus the base fee previously established and described in Section 7.3.2, Par. 4, Bid and Award Phase Services, above.
- 7) Coordinate construction interfaces, methods, techniques, and sequences. The Design Team is utilizing Building Imaging Modeling (B.I.M.) to coordinate building systems and to help minimize space conflicts. To that end, the selected Construction Management Firm shall also use B.I.M. for coordination of the construction work, for conflict resolution and in conjunction with the design consultants. Any B.I.M. application used must be compatible with Revit Architecture as manufactured by Autodesk.
- 8) Institute and administer requirements and procedures for the electronic review and approvals of all submittals.

- 9) Prepare and administer all cost control procedures, including monthly pay requests, change order logs, etc.. Prepare Budget Cost Summary Reports as required but no less frequently than monthly.
- 10) Coordinate all requirements of project commissioning and close-out procedures including but not limited to: inspections, Owner's orientation and familiarization, training of Owner's personnel, and collection of all electronic close-out documents. Develop with Owner an occupancy schedule.
- 11) Represent the owner, moderate, seek solutions, make recommendations or take other appropriate actions in matters relating in disputes between contractors, work stoppages, labor disputes, or other disruptions that may occur during the construction of this project.
- 12) Develop and maintain electronic systems for reporting and retrieval of project information.

Note: Construction Phase Services as noted above should assume the durations listed in the enclosed schedule (Attachment "D")The University intends to conduct a reassessment of the schedule with full participation and agreement of the entire team. Should that effort alter these durations then the CM's Construction Phase Services will be amended accordingly and agreed to prior to start of the construction phase.

7.1.4 Post Construction Phase Services

The CM shall:

- 1) Warrant to the Owner and the Consultant that all materials and equipment furnished under the Trade Contracts and Purchase Orders shall be new and in accordance with the requirements of the contract documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents
- 2) Guarantee that labor, material, and equipment shall be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract. (do we ever ask for cost for a two year warranty?)
- 3) Warrant that the work performed under the contract between the CM and the Owner, when completed, will conform to the Contract Documents.

7.2 Optional Services (Not Used)

8.0 FINANCIAL OFFER SUMMARY

The **Financial Offer is not required with the first Phase submittal.** It will be requested from the firms that are moved to Phase 2 of the process based on the Evaluation Criteria Process defined in Section 5.0 of this RFP.

Please provide a lump sum firm fixed fee quotation to perform the Construction Management services required for the design, bidding, construction and post construction phases of the project.

The “Financial Score” used in the selection process will be based on the “Total Cost for the Project” (see below). (also ref. Article 5.0, EVALUATION CRITERIA PROCESS, Phase 2 Step 3).

Design Phase Services (to include detailed cost estimates, constructability and interdisciplinary coordination reviews for each design phase).

\$ _____

Bid and Award Phase Services (The CM shall provide a breakdown estimate for each bid package as determined by the agreed upon master schedule.)

\$ _____

Construction Phase Staffing Services
(based on the Construction Staffing Standardization Matrix)

\$ _____

Construction Phase jobsite general conditions

\$ _____

Bonds

\$ _____

Insurance

\$ _____

Overhead & Profit

\$ _____

Post Construction Phase Services

\$ _____

Total Cost for the Project

\$ _____

8.1 Mandatory Services (Section 7.1)

Please complete and attach Section 7.1 to provide support for your firm fixed price bid.

8.2 Optional Services (Section 7.2) (Not Used)

8.3 Alternate Pricing

In addition to the above financial offer, the offeror may submit alternative financial proposals, however the information requested above must be supplied and will be used for proposal evaluation purposes.

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FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division

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**GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION BY A
CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division**

These General Conditions are binding upon the Construction Manager and all Sub-contractors as each are subject to the provisions contained herein.

ARTICLE 1 - DEFINITIONS

1.1 Wherever used in these General Conditions or in other Contract Documents, the following terms have the meaning indicated which are applicable to both the singular and plural thereof:

1.1.1 ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) - The term "ASI" means a written order issued by the Consultant that clarifies or interprets the Contract Documents, that orders minor changes in the Work, that does not require an adjustment in either cost or time, and that does not require a Change Order.

1.1.2 BUSINESS DAY – The term "Business Day" means a Calendar Day that is not a Saturday, Sunday or legal holiday in Fayette County, Kentucky.

1.1.3 CALENDAR DAY - The term "Calendar Day" means a day of twenty-four hours measured from midnight to the next midnight

1.1.4 CHANGE ORDER - The term "Change Order" means a written order to the Construction Manager, signed by the Owner and issued after the execution of the Contract, directing a change in the Work or an adjustment in the Contract Amount or the Contract Time. A Change Order may be an agreed change by the Construction Manager and the Owner or it may be a unilateral change by the Owner.

1.1.5 CONSULTANT - The term "Consultant" means the person and/or entity, whether singular or plural, either Architect, Engineer or other Consultant, who is or are identified as such in the Contract Documents.

1.1.6 CONSTRUCTION MANAGER or CONSTRUCTION MANAGER AT RISK (CM) - The term "Construction Manager" or "Construction Manager at Risk" (CM) means the person or entity who will or has entered into a contract with the Owner that assumes the risk for construction of the Project as the construction manager, and who will provide consultation and collaboration regarding the construction during and after design of the Project. The CM shall execute and hold all construction Trade Contracts and Purchase Orders for the Project.

1.1.7 CONTRACT - The term "Contract" means the Contract between Owner and Construction Manager and consists of all Contract Documents as defined in Article 1.1.10 of these General Conditions.

1.1.8 CONTRACT AMOUNT - The term "Contract Amount" means the sum stated in the Agreement which represents the total amount payable by the Owner to the Construction Manager for the performance of the Work under the Contract Documents, plus or minus adjustments as provided for in the Contract Documents or by approved Change Orders.

1.1.9 CONTRACT DOCUMENTS - The "Contract Documents" include the Agreement of Contract between the Owner and the Construction Manager (the "Agreement"); the Request for Proposal; the General Conditions; the Special Conditions; the Construction Manager's Form of

Proposal; the Construction Manager's Bonds; the Specifications, Drawings and Addenda for the construction of the Project which are to be used for bidding of the bid pack/Trade Contracts; and any Change Orders issued after execution of this Contract. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Sub-contractor, or any person or entity other than the Construction Manager. Documents not included or expressly contemplated in this Article do not, and shall not, form any part of the Contract for Construction. Without limiting the generality of the foregoing, shop drawings and other submittals from the Construction Manager or its Sub-contractors and suppliers do not constitute a part of the Contract Documents. Except as otherwise provided, where these Contract Documents obligate the Construction Manager to certain responsibilities or require the Construction Manager to perform certain actions, the Construction Manager may require these same responsibilities and/or actions of one or more Sub-contractors. However, assignment of such responsibilities or actions to one or more Sub-contractors shall not be construed to relieve the Construction Manager of its obligation to the University under this contract.–

1.1.10 CONTRACT TIME - The term "Contract Time", unless otherwise provided, means the specified number of consecutive Calendar Days following the stipulated commencement of the Work as stated in the Work Order, plus or minus adjustments as provided for by approved Change Orders, within which the Construction Manager shall complete the Work required by the Contract and shall achieve certification of substantial and final completion.

1.1.11 KRS REFERENCES - Reference to "KRS" means the "Kentucky Revised Statutes" adopted by the Commonwealth of Kentucky, including all laws that may have been revised, amended, supplemented or new laws enacted.

1.1.12 OWNER - The term "Owner" means the University of Kentucky, a statutory body corporate existing pursuant to Sections 164.100 et seq. of the Kentucky Revised Statutes.

1.1.13 PROJECT - The term "Project" means the total construction of the Work performed under the Contract Documents, which may be the whole or a part, and which may include construction by the Owner or by separate contracts.

1.1.14 PROJECT MANAGER - The term "Project Manager", when used alone, means the Owner's representative responsible for administration and management of the Project. The Owner's Project Manager during construction shall be the designated University of Kentucky Capital Projects Management Project Manager that is in charge of the Project. The term "CM Project Manager" means the individual employed by the Construction Manager who is assigned to the Project to provide overall management during both the design and construction phases of the Project, and who has total responsibility for the successful completion of the Project

1.1.15 PROVIDE - The term "Provide," as used throughout the specifications, shall mean furnish, install and pay for.

1.1.16 SHOP DRAWINGS - The term "Shop Drawings" means drawings, diagrams, schedules, and other data specially prepared for the Work by the Construction Manager or any Sub-contractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

1.1.17 SUBSTANTIAL COMPLETION - The term "Substantial Completion" is the point at which, as certified in writing by the Owner, a project is at the level of completion, in strict compliance with the contract, where (a) necessary approval by public regulatory authorities (and by other authorities having jurisdiction or as identified in Article 11.2, as necessary) has been given; (b) the Owner has received all required warranties and documentation, and (c) the Owner may enjoy beneficial use or

occupancy and may use, operate, and maintain the project in all respects, for its intended purpose. Partial use or occupancy shall not necessarily result in the project being deemed substantially complete and shall not be evidence of Substantial Completion. In order for the Owner to enjoy beneficial use or occupancy and use, operate, and maintain the project in all respects, for its intended purpose, the stage or progress of the Work or a designated portion thereof shall be sufficiently complete, accessible, operable and usable, and all parts, systems and site Work shall be 100% complete, cleaned and available for the Owner's full use without interruption in accordance with the Contract Documents, including but not limited to the provisions of Article 28 of these General Conditions. The Work will not be considered acceptable for Substantial Completion review until all Project systems included in the Work are operational as designed and scheduled, all designated or required governmental inspections and certifications have been made and approvals provided to the Owner, designated instruction of the Owner's personnel in the operation of systems has been completed, and all final finishes within the Contract Documents are in place. In general, the only remaining Work shall be minor in nature so that the Owner and/or the Owner's tenants could occupy the Project on that date and the completion of the Work by the Construction Manager would not materially interfere or hamper the Owner's or the Owner's tenants' normal business operations. As a further condition of Substantial Completion acceptance, the Construction Manager shall certify in writing that all remaining Work, the same being solely of a "punch list" nature, will be completed within thirty (30) consecutive Calendar Days following the date of Substantial Completion.

1.1.17.1 The parties agree that "substantial completion" as defined in Article No. 2 of the Agreement and Article 1 of the General Conditions, as extended by approved Change Order(s) pursuant to Article 18.1 of the General Conditions, shall be the "date of completion specified in the contract" for purposes of KRS. 45A.250(2).

1.1.18 SUB-CONTRACTOR - The term "Sub-contractor" means the person, company, corporation, joint venture or other legal entity with whom the Construction Manager has executed a Contract for a portion of the Work.

1.1.19 WORK - The term "Work" means the scope of construction and services required by the Contract Documents and all approved Change Orders, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Construction Manager to perform and complete the Construction Manager's obligations under the Contract in an expeditious, orderly and workmanlike manner. The Work may constitute the whole or a part of the Project.

1.1.20 WORK ORDER - The term "Work Order" means a written notice by the Owner to the Construction Manager authorizing the Construction Manager to commence Work under the Contract and establishing the beginning date from which the time for Substantial and Final Completion shall be established.

1.1.21 UNIT PRICE - The term "Unit Price" means the amount per unit of measurement for materials or services as described in the bid documents.

ARTICLE 2 - CONSULTANT

2.1 The Consultant will be the Owner's representative during construction and until the Work is complete. The Consultant will advise and consult with the Owner. The Owner's instructions to the Construction Manager may be forwarded through the Consultant.

2.2 The Consultant will regularly, but no less frequently than monthly, visit the site to become familiar with the progress of the Work, the quality of the Work being provided and to determine if the

Work is proceeding in accordance with the Contract Documents. On the basis of these on-site inspections, the Consultant will inform the Owner of the progress of the Work, will advise the Owner of any defects and deficiencies observed in the Work and, when appropriate, will certify to the Owner that the Work in place equals or exceeds the amount requested by the Construction Manager on all applications for progress payments.

2.2.1 If applicable for the Work, the Consultant will verify to the Owner that the Construction Manager is performing erosion prevention and sediment control inspections as required by the Kentucky Division of Water Construction General Permit (KYR10) at least once every 7 days and shall include the findings in the site visit reports.

2.3 The Consultant will be the interpreter of the requirements of the drawings and specifications and any changes made to the drawings and specifications.

2.4 Claims, disputes, and other matters in question that arise relating to the execution or the progress of the Work shall be referred in writing to the Consultant by the Construction Manager. The Consultant will provide a response in accordance with and subject to the provisions of Article 38 of these General Conditions.

2.5 The Consultant will have the authority to reject Work which does not conform to the Contract Documents or to the required level of quality and performance.

2.6 The Consultant will review and approve, or take other appropriate action upon receipt of the Construction Manager's submittals such as Shop Drawings, product data, and samples. The review of submittals will be for general conformance with the design concept of the work, and for compliance with the information provided by the Contract Documents. Such review will not relieve the Construction Manager of any responsibility for errors or omissions in submittals, and will in no way constitute a waiver of or change to the requirements of the Contract Documents.

2.6.1 The Consultant's review and response will be completed with reasonable promptness with a goal of ten (10) business days or less. The Consultant's review of a specific item shall not indicate approval of an assembly of which the item is a component.

2.7 The Consultant will prepare Change Orders for the Owner to direct changes in the Work. Minor changes in the Work, not involving modifications to the contract cost or completion times and that are consistent with the purpose of Work, may be directed by the Consultant through Architect's Supplemental Instructions (ASI).

2.8 When requested by the Construction Manager, the Consultant will conduct inspections to determine if the Project is at the level of completion required by and is in strict compliance with the Contract such that the Owner may enjoy beneficial use or occupancy and may use, operate, and maintain the project in all respects for its intended purpose, as further defined in the Contract. If the level of completion warrants, the Consultant will confirm that all necessary approvals by public regulatory authorities or other authorities having jurisdiction have been given, will confirm that the Owner has received all required warranties and documentation, will recommend dates for certification of Substantial Completion and Final Completion by the Owner, and will complete and submit the Notice of Termination of coverage under the KPDES General Permit for Storm Water Discharges Associated with Construction Activity.

2.9 The Construction Manager will accept direction for the Work on the Project only from the Owner's Project Manager or from the Consultant. Requests for information from the Construction Manager shall be directed to the Consultant.

ARTICLE 3 - CORRELATION AND INTENT OF CONTRACT DOCUMENTS

3.1 Execution of the Contract by the Construction Manager is a representation that the Construction Manager has or shall thoroughly and carefully examine the site of the of Work; shall timely investigate all conditions which can affect the Work or its cost, including but not limited to availability of labor, materials, supplies, water, electrical power, roads, access to the site, uncertainties of weather, water tables, the character of equipment and facilities needed to perform the Work, and local conditions under which the Work is to be performed; and further, that the Construction Manager shall insure that the documents issued for bidding by Sub-contractors reflect the results of this investigation and are adequate to complete the Work. It is the responsibility of the Construction Manager to be familiar with and comply with all Federal, State, and local laws, ordinances, and regulations which might affect those engaged in the Work, and to be familiar with the materials, equipment, or procedures to be used in the Work, or which in any other way could affect the completion of the Work. The Construction Manager shall carefully study and compare the Contract Documents with each other and with other information provided to the Construction Manager by the Consultant or the Owner pursuant to the Contract Documents and shall notify the Owner and the Consultant in writing of any errors, inconsistencies or omissions in the Contract Documents recognized by the Construction Manager. Any failure to properly familiarize itself with the proposed Work shall not relieve the Construction Manager from the responsibility for completing the Work in accordance with the Contract Documents.

3.2 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Construction Manager. All labor or materials which are reasonably inferable from the Contract Documents and which are necessary to produce the desired result, even though not specifically mentioned in the Contract Documents, shall be included in the Work at no additional cost to the Owner.

3.3 In the event a question arises regarding the meaning or intent of the Contract Documents, the Construction Manager shall report it by preparing an RFI in eCommunication[®] to the Consultant. The Consultant shall furnish, with reasonable promptness and with a goal of three (3) business days and by whatever means as may be appropriate, additional instructions necessary for the proper execution of the Work. All such drawings and instructions shall be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom. The Work shall be executed in conformity therewith and the Construction Manager shall do no Work without proper drawings and instructions. Items indicated on drawings as "N.I.C." or "Not In Contract" are shown for explanation purposes only and are not to be included in this Contract.

3.4 The Contract Documents are complementary, and what is required by one shall be binding as if required by all. In case of conflicts between the various documents, the order of precedence will be as follows: (1) Addenda, (2) Special Conditions, (3) General Conditions, (4) Technical provisions of the Specifications and (5) Drawings.

3.5 Any notice to the Construction Manager from the Owner regarding this Contract shall be in writing and delivery and service of such notice shall be considered complete when sent by certified mail to the Construction Manager at Construction Manager's last known address. Such notice may also, at the Owner's election, be hand-delivered to the Construction Manager or the Construction Manager's authorized representative.

ARTICLE 4 - PRE-CONSTRUCTION CONFERENCE

4.1 Following the execution of the Contract, a pre-construction conference will be held. Representatives of the Capital Project Management Division, Consultant, Construction Manager, and all major Sub-contractors shall be present to discuss the time for construction, methods and plan of operation, authority of the Consultant, procedures for handling shop drawings, progress estimates and requests for payments, and other relevant issues. The time and location of this meeting will be the responsibility of the Construction Manager in consultation with the Consultant, Owner and other interested parties.

4.2 Environmental aspects of the project, including erosion prevention and sediment control (EPSC) and storm water management shall be discussed during this conference. The Group shall discuss the Storm Water Pollution Prevention Plan (SWPPP) to ensure that all parties understand the requirements. During this meeting the responsibility for reading the rain gage on a daily basis will be established. The Construction Manager will identify the initial measures to be installed prior to land disturbing activities beginning. Any modifications to the SWPPP due to constructability issues should be discussed at this conference.

ARTICLE 5 - SHOP DRAWINGS

5.1 The Construction Manager shall submit a shop drawing and product sample submittal schedule to the Consultant establishing dates for the submission of Shop Drawings and product samples prior to the submittal of the Construction Manager's first application for payment for construction phase services. The schedule shall have been coordinated with all Sub-contractors and material suppliers as well as the Construction Manager's construction schedule and shall allow for adequate and reasonable time for review of the samples and submittals by the Consultant. The Construction Manager shall be responsible for compliance with the submittal schedule and shall insure that the submittal schedule is maintained in order to accurately reflect the status of processing all required submittals.

5.2 The Construction Manager shall review product samples and Shop Drawings for compliance with the requirements of the Contract Documents, and shall submit them to the Consultant in accordance with submittal procedure and schedule established. The Construction Manager's review and submittal to the Consultant of any Shop Drawing or sample shall constitute a representation to the Owner and Consultant that a) the Construction Manager has determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or assumes full responsibility for doing so, and that b) each Shop Drawing or sample has been reviewed or coordinated with the requirements of the Work and the Contract Documents. Shop Drawings and submittal requirements shall not be deemed satisfied until approvable documents are received by the Consultant. Incorrect or incomplete submittals will be returned to the Construction Manager without action. No claim for additional time or extension of the contract will be considered if such claim is the result of failure by the Construction Manager to provide correct, accurate, complete and approvable submittals.

5.3 The Consultant will review submittals with reasonable promptness, and take appropriate action or return submittals to the Construction Manager for corrections as may be required. The Construction Manager shall make any corrections required by the Consultant for compliance with the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions.

5.4 Where a Shop Drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been accepted in writing by the Consultant. The review and acceptance shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The acceptance of a separate item will not indicate acceptance of the assembly in which the item functions. A copy of each accepted Shop Drawing and product sample shall be kept in good order by the Construction Manager at the site and shall be made available to the Consultant on request.

5.5 The Consultant's acceptance of Shop Drawings or samples shall not relieve the Construction Manager from the responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any acceptance by the Consultant does not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

ARTICLE 6 - LAYING OUT WORK

6.1 The Construction Manager will secure all data at the site of the building such as grades of lot, convenience of receiving and sorting material, location of public services, and other information which will have a bearing proposals or on the execution of the Work and shall address these issues in the preparation of scopes of work for the Subcontract bid packages. No allowance shall be made for failure of the Construction Manager to obtain such site information prior to submitting their proposal or to include such information in the Subcontract bid packages, and no adjustment to the Construction Manager's Contract amount or stipulated time for completion shall be allowed when due to failure by the Construction Manager to do so.

6.2 The Construction Manager shall be responsible for all lines, levels and measurements of all Work executed under the Contract. The Construction Manager shall verify all dimensions before laying out the Work and will be held responsible for any error resulting from failure to do so. Working from lines and levels established by the property survey or by other Contract Documents, and as shown in relation to the Work, the Construction Manager will establish and maintain bench marks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on the site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the bench marks and dependable markers required dimensions as shown (within recognized tolerances if not otherwise indicated), and shall not scale drawings to determine dimensions. The Construction Manager shall advise Sub-contractors and trades persons performing Work of marked lines and levels provided for their use in layout work. The Construction Manager shall verify layout information shown on drawings as required for the Work.

6.3 The Construction Manager shall be responsible for coordination of the installation of all elements of the Work, including preparation of coordination drawings if required by the Contract Documents or deemed necessary by the Construction Manager for performance of the Work.

6.4 If any encroachments are made by the Construction Manager or any Sub-contractor on any adjacent property, the Construction Manager shall, at the Construction Manager's expense, and within thirty (30) Calendar Days after written notice from the Owner or the Consultant, correct any encroachments and obtain approval from the owner of such adjacent property for any encroachments that cannot be feasibly corrected. The Construction Manager shall not be entitled to any adjustment to the Contract Amount or the Contract Time as a result of any such encroachment or the correction thereof.

ARTICLE 7 - PLANS, DRAWINGS, SPECIFICATIONS AND RECORD DRAWINGS

7.1 Unless otherwise provided in the Contract Documents, the Owner will furnish the Construction Manager free of charge one electronic or reproducible copy of the Drawings and Specifications for execution of the Work. The Construction Manager shall pay for the cost of duplication of all sets required over and above this amount.

7.2 The cost of additional plans, specifications and official contract documents for use by Sub-contractors for bidding and for construction shall be borne by the Construction Manager or by the Sub-contractors. Arrangements for orders and payment for plans, specifications and other contract documents must be made with Lynn Imaging, Lexington, Kentucky (<http://www.ukplanroom.com>) or by phone at 1.800.888.0693 or 859.255.1021) before a set of documents will be issued.

7.3 The Construction Manager shall keep one copy of all Contract Documents, including Drawings, Specifications and Shop Drawings on the site and in good order. A qualified representative of the Construction Manager shall record on these documents, from day to day as Work progresses, all changes and deviations from the Contract Documents. Prior to Substantial Completion, the Construction Manager shall complete and turn over to the Consultant the As-Built drawings, with a digital copy (in PDF format) submitted to the Owner simultaneously. The As-Built drawings shall consist of a set of drawings which indicate all field changes that were made to adapt to field conditions, changes resulting from Change Orders and all concealed and buried installations of piping, conduit and utility services. All buried and concealed items, both inside and outside the facility, shall be accurately located on the As-Built drawings as to depth and in relationship to not less than two permanent features such as interior or exterior wall faces. The As-Built drawings shall be clean and all changes, corrections and dimensions shall be given in a neat and legible manner in a contrasting color. For any changes or corrections in the Work which are made subsequent to the Substantial Completion Inspection, revisions shall be made to the As-Built drawings and submitted to the Consultant prior to final payment. Approval of the final payment request shall be contingent upon compliance with these provisions.

7.4 All drawings, specifications and copies thereof, furnished by the Consultant to the Owner, are the property of the University of Kentucky. They shall not be used by the Consultant, Construction Manager, or any Sub-contractor or Supplier on any other Project.

ARTICLE 8 - TEMPORARY UTILITIES

8.1 The Construction Manager shall provide and pay for, unless modified in the Special Conditions, all temporary conveniences including, but not limited to, wiring, lighting, power and electrical outlets, heat, water, and sanitary facilities required for construction. In the event the Owner elects to make available, at no cost to the Construction Manager, the electric power required for construction activities, the electric power supplied shall not be utilized as a means to provide temporary heat or for welding.

8.2 The Construction Manager is responsible for paying all utility costs, whether the costs are from an outside utility company or from the University, for utility services used in the course of completing the Work. The Construction Manager shall provide temporary heating, ventilation, telephones, water, electricity, portable gas, lighting for the Work, safety lighting, security lighting, and trash removal/dumpster service for both Construction Manager and Sub-contractor use during the Project. Work and safety lighting shall be provided continuously during working hours. Security lighting shall be provided at all hours of darkness.

ARTICLE 9 - MATERIALS, EQUIPMENT, APPLIANCES, AND EMPLOYEES

9.1 Unless otherwise provided in the Contract Documents, the Construction Manager shall provide and pay for all materials, labor and personnel, tools, equipment, construction equipment and machinery, utilities, supplies, appliances, transportation, taxes, temporary facilities, licenses, permits and all other facilities and incidentals necessary for the furnishing, performance, testing, start-up and the proper execution and completion of the Work safely, without damage to persons and property, and in compliance with all applicable law. The Construction Manager shall furnish, erect, maintain, and remove at the completion of the Contract, all temporary installations as may be required during the construction period.

9.2 Immediately following the execution of each of the Trade Contracts, the Construction Manager shall determine the source of supply for all materials required under that Trade Contract and the length of time required for their delivery, and shall assure that orders are placed for such materials in sufficient time to assure delivery to the site so that such materials are available to be incorporated into the Work when needed to comply with the schedule of Work.

9.3 The Construction Manager shall immediately notify the Consultant in writing of any known problems with the procurement, fabrication or ordering of any materials. Unless changes are approved in writing by the Consultant, the Construction Manager will not be excused for delays in securing materials specified.

9.4 The Construction Manager or Sub-contractors shall not place purchase orders or issue contracts for materials, supplies, equipment and services necessary to complete this Project using the name of the University of Kentucky. All orders placed by the Construction Manager that are related to this Project must use the name of the Construction Manager or Sub-contractor placing the order. The use of the University of Kentucky's name for ordering purposes is strictly prohibited. Payment for all goods and services required for the completion of the Work is the sole responsibility of the Construction Manager. Any invoices received at the University that are related to this Project will be immediately forwarded to the Construction Manager. Copies of these invoices will be made and placed in the Construction Manager's file and proof must be provided that these invoices have been paid in full prior to the processing of the next scheduled application for progress payment.

9.5 The route for delivery of all materials to the Project shall be coordinated with the Owner's Project Manager.

9.6 The Construction Manager shall be responsible for the proper and adequate storage of materials and equipment. Unless otherwise provided in the Contract Documents, all materials shall be of good quality and new. Workmanship and materials supplied and incorporated into this Work shall be of first quality. The Construction Manager, if required, shall furnish satisfactory evidence as to the kind and quality of materials.

9.7 The Construction Manager shall at all times enforce strict discipline and good order among all employees and Sub-contractors. The conduct of all individuals performing Work or operations related to the Work is the responsibility of the Construction Manager. The consumption of alcohol or drugs on the job by any workers is strictly prohibited. Any individual apprehended under the influence of alcohol or drugs on the premises at any time shall be subject to automatic removal from the Project by the Construction Manager, the Consultant or the Owner. Improper conduct of any kind will not be permitted and may result in the offending individual, Sub-contractor or Construction Manager being barred from the Owner's premises. The Construction Manager shall not permit the employment on the Project of any person unfit or not skilled in the Work assigned.

ARTICLE 10 - ROYALTIES AND PATENTS

10.1 The Construction Manager shall pay all royalties and license fees. If a particular process, product or device is specified in the Contract Documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the Contract Documents and the Construction Manager is responsible for payment of all associated royalties. The Construction Manager hereby agrees to indemnify, defend and hold the Owner, and any subsidiary, parent, or affiliates of the Owner, or other persons or entities designated by the Owner, and their respective directors, officers, agents, employees and designees (collectively, the "Indemnities") harmless from all losses, claims, liabilities, injuries, damages and expenses, including attorneys' fees and legal expenses, that the Indemnities may incur as a result of the Construction Manager's failure to strictly comply with its obligations under this Paragraph 10.1.

ARTICLE 11 - SURVEYS, PERMITS, REGULATIONS, AND STANDARD CODES

11.1 The Owner will furnish only such surveys that are specifically required by the Contract Documents. Approvals, assessments, and easements for permanent structures or permanent changes in existing structures shall be secured and paid for by the Owner, unless otherwise specified. All required utility tap-on fees shall be secured and paid for by the Construction Manager, or included in a Trade Contract, including the Lexington-Fayette Urban County Government (LFUCG) sewer tap-on fee. All construction permits, where required by local ordinances, except excavation permit, shall be obtained by the Construction Manager, but no fee shall be charged to or paid by the Construction Manager as the Owner is exempt from such charges. A Contractor's license fee for doing business in the locale, if applicable, shall be paid for by the Construction Manager.

11.2 All branches of Work shown on the plans and specifications shall be executed in strict compliance with all state and federal regulations and codes, with all national codes, and with the requirements of both ADA and JCAHO when applicable.

11.3 The Contractor, on projects disturbing 1 acre or more, or projects less than 1 acre that are part of a large common development plan, including grading, clearing, excavation, material laydown or other earth moving activities, shall assure full compliance with the requirements of the KYR10 and shall:

11.3.1 File a Notice of Intent (KPDES FORM eNOI-SWCA) with the Kentucky Division of Water and copy the UKCPM Project Manager and Water Quality Manager prior to the start of any excavation, grading or site development work.

11.3.2 The permittee (contractor) shall develop a Stormwater Pollution Prevention Plan (SWPPP) based on the Erosion Prevention and Sediment Control Plan (EPSC) as a minimum design standard. Ensure all requirements of KYR10 are fully addressed in the SWPPP. **Once the SWPPP is written, forward a copy to the Capital Projects Project Manager and to the Water Quality Manager for approval. Work cannot begin until SWPPP is approved and permit coverage obtained.**

11.3.3 Install BMP's such as, basins, traps, drainage, and sediment barriers before beginning land disturbing activities, including the construction entrance/exit. Once prevention measures have been installed, grading can commence. In the event a new construction entrance is added to the site, this new entrance must be built according to the EPSC design details with a wheel wash, a water supply and a sediment catch basin for washed wheel sediment.

11.3.4 Maintain all measures in working condition. Perform maintenance activities identified during inspections prior to the next rain event. Remove sediment from BMPs when 1/3 the storage volume has been filled.

11.3.5 Stabilize disturbed areas within 14 days of inactivity or reaching final grade on any portion of the site according to permit requirements.

11.3.6 Inspect the site every 7 calendar days and after each rainfall of ½" or more. Document site conditions, rainfall, maintenance activities needed and performed, stabilization needed and performed, and where new measures are needed. Discuss deficiencies with UK Project Manager and Water Quality Manager and note on the SWPPP Inspection Sheets.

Per the KPDES Permit, Section 2.1.7. "Inspections – Permittee Conducted". "Inspections shall be performed by personnel knowledgeable and skilled in assessing conditions at the construction site that could impact storm water quality and assessing the effectiveness of erosion prevention measures, sediment control measures, and other site management practices chosen to control the quality of the storm water discharges. Inspectors shall have training in storm water construction management such as Kentucky Erosion Prevention & Sediment Control (KEPSC), Certified Professional in Stormwater Quality (CPSWQ), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), or other similar training."

Inspections shall include a tour of the total site and verification that all BMPs are performing as constructed. Inspector shall certify that all observations are correct as stated and sign and date the inspection form.

11.3.7 Keep Permit, SWPPP, weekly/rain event inspections sheets in binder in construction trailer. Any BMP change/alteration from SWPPP and EPSC plan must be noted on the EPSC and SWPPP.

11.3.8 No soil and sediment shall leave the construction site. BMPs shall be repaired immediately if failure has occurred. No Mud shall be permitted on any street. All entrances/exits shall have a means by which to wash wheels. If an entrance/exit does not have a wheel wash, that exit shall not be used in muddy conditions. If for any reason mud is tracked offsite, the area must be cleaned in such a way as to prevent sediment from entering the storm sewer system. The use of tractor brooms solely will not be permitted.

11.3.9 When it is necessary to dewater an excavation, proper BMPs must be implemented. Dewatering filter bags must be sized and used according to manufacturer's requirements and Standard Operating Procedures for Dewatering Bags.

11.3.10 UK (the MS4) routinely inspects sites for compliance with the EPSC/SWPPP. Any deficiencies noted become record for the Kentucky Division of Water and shall be remedied/installed as soon as site conditions are favorable but no more than 7 days from the inspection date.

11.3.11 At the conclusion of the project and all bare areas, slopes and ditches are 70% vegetated with the permanent ground cover, the contractor shall notify the UK Project Manager and Water Quality Manager and request a final site inspection prior to filing a "Notice of Termination (NOT) with the state. This inspection verifies that Construction BMPs can be removed, and Post-Construction BMPs are in place and functioning.

11.3.12 Failure of the site contractor (permittee of the KPDES Permit) to timely comply with requirements of KPDES, the Construction Manager shall inform the site contractor that a third party contractor shall be retained to remediate all BMP deficiencies immediately, and all third party costs shall be passed to the permittee of the KPDES Permit. Any fines or other costs

resulting from failure to comply, levied against the Owner will be assessed against the Construction Manager's or General Constructor's funds.

11.3.13 Refer to 334000S01 STORM DRAINAGE UTILITIES – Information for Consultants & Contractors.

11.3.14 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard.

11.4 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard

11.5 The Construction Manager shall furnish a final occupancy permit from the proper agency or agencies as required.

11.6 The Construction Manager shall, by provision within each applicable subcontract or by inclusion in the lump sum fee proposed to the Owner, insure the payment of all sales, consumer, use and similar taxes for materials, equipment and supplies incorporated into the Work, by unless otherwise specified in the bid documents.

ARTICLE 12 - PROTECTION OF WORK, PROPERTY, AND PUBLIC

12.1 The Construction Manager shall continuously maintain adequate protection of all Work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract. Except as otherwise covered by Builder's Risk insurance, the Construction Manager shall pay for any damage, injury, or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner. The Construction Manager shall adequately protect adjacent property as provided by law and the Contract Documents.

12.2 In an emergency affecting the safety of life, or of the Work, or of adjoining property, the Construction Manager, without special instruction or authorization from the Consultant or the Owner, is obligated to act to prevent such threatened damage, loss or injury.

12.3 The Construction Manager shall maintain fire protection as required by the Kentucky Building Code. Access to the Project site and surrounding buildings for local fire truck access during construction must be maintained. The Construction Manager shall maintain construction to allow access to new, existing or temporarily relocated standpipes, fire hydrant connections and fire alarm communication panels pursuant to Section 3018.8 of the Kentucky Building Code. If the Construction Manager utilizes the Owner's fire protection equipment, the Construction Manager shall replace any such materials lost, consumed or misplaced during the Contract period. The Construction Manager is responsible for any false alarms caused by dust created in the Work area or dust traveling to areas beyond the Work area due to inadequate dust protection barriers. Should there be a need for any existing or newly installed fire alarm system, or parts of a system that requires service, to be removed from service or disconnected, prior approval must be obtained from the Owner and the Construction Manager shall immediately provide alternate protection such as a fire watch until such systems are returned to full normal operations. When work or service is completed on a disabled fire alarm system, the Owner shall be immediately notified so the system can be placed in service.

12.4 The Construction Manager and Sub-contractors are responsible for the security of their own materials, tools and equipment at the Project site.

12.5 The Construction Manager shall provide to the Owner's Project Manager a key to Construction Manager's field office or job trailer.

ARTICLE 13 - BLASTING

13.1 Blasting is not allowed unless permission is granted in the Special Conditions. Should blasting be allowed by the Special Conditions, it shall be completed in accordance with all laws, regulations, ordinances and instructions contained in the Special Conditions.

ARTICLE 14 - CONSTRUCTION AND SAFETY DEVICES

14.1 The Construction Manager shall provide safety controls for protection of the life and health of employees and visitors. The Construction Manager will utilize precautionary methods for the prevention of damage to property, materials, supplies, and equipment, and for avoidance of work interruptions in the performance of this Contract. In order to provide such safety control, the Construction Manager shall comply with all pertinent provisions of the Kentucky Fire Prevention Code, Kentucky Building Code, Kentucky Labor Cabinet's Division of Occupational Safety and Health Program Construction Standards and Federal Occupational Safety and Health (Construction) Standards that are in effect at the time the Contract is entered into and during the period in which the Contract is to be performed.

14.2 The Construction Manager shall provide a written safety program which includes all pertinent written specialty standards such as, but not limited to, Control of Hazardous Energy Sources (Lockout/Tagout), Hazard Communications Program, First Aid, Blood Borne Pathogen Program, Respirator Use Program and Hearing Conservation Program. The Construction Manager shall require all Sub-contractors to have an effective written safety program or be required to follow the Construction Manager's written safety program.

14.3 The Construction Manager shall maintain an accurate record of and shall report to Kentucky Labor Cabinet's Division of Occupational Safety and Health in the manner and on the forms prescribed by that Division, exposure data and all accidents resulting in death, traumatic injury, or occupational disease. The Construction Manager shall maintain an accurate record of and shall report to the Owner's Project Manager, any damage to property, materials, supplies, or equipment incident to Work under this Contract.

14.4 The Kentucky Labor Cabinet's Division of Occupational Safety and Health may notify the Construction Manager of any noncompliance with the foregoing provisions. The Construction Manager shall, upon receipt of such notice, immediately correct the cited conditions. Notice delivered to the Construction Manager or the Construction Manager's representative at the site of the Work shall be deemed sufficient for this purpose. If the Construction Manager fails or refuses to comply promptly, the Owner may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. Failure or refusal to comply with the order will be grounds for reducing or stopping all payments due under the Contract to the Construction Manager. No part of the construction time lost due to any such stop order shall be cause for, or the subject of a claim for, extension of time or for additional costs or damages by the Construction Manager.

14.5 The Construction Manager or any Sub-contractor shall immediately contact the University of Kentucky's Department of Occupational Health and Safety through the Owner's Project Manager

should they be selected for an inspection by the Kentucky Occupational Safety and Health Compliance Division.

14.6 Compliance with the provisions of the foregoing sections by Sub-contractors shall be the responsibility of the Construction Manager.

14.7 Nothing in the provisions of this Article 14 shall prohibit the U.S. Department of Labor or the Kentucky Department of Labor Division of Occupational Safety and Health from enforcing pertinent occupational safety and health standards as authorized under Federal or State Occupational Safety and Health Standards.

14.8 The Construction Manager shall take all necessary precautions for the safety of employees on the Work, and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed. If the Construction Manager or any Sub-contractor has questions related to the health or safety required by their written safety program, they should contact the Kentucky Labor Cabinet Occupational Safety and Health Program Division of Education and Training. The Construction Manager shall designate a responsible member of the on-site work force as the safety officer and shall report to the Consultant and to the Owner the name of the person selected. The duties of the safety officer include the enforcement of safety regulations.

ARTICLE 15 - HAZARDOUS MATERIALS

15.1 If the Construction Manager encounters material reasonably believed to be or suspected to be asbestos containing material, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the following procedures must be followed:

15.1.1 The Construction Manager shall immediately stop work in the affected area and notify the Owner's Project Manager. The Owner's Project Manager will contact the Owner's Environmental Health and Safety unit to arrange for collection of samples, review of existing data, or other testing necessary to confirm the presence of hazardous materials. The Owner's Project Manager will notify the Construction Manager in writing of the results. Until that notification is received, the Work must not continue in the affected area.

15.1.2 If the material is confirmed to be asbestos, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the Owner will take appropriate action to remove the material before the Construction Manager can continue Work in the affected area.

15.1.3 The Construction Manager shall not be required to perform any Work related to asbestos, lead, polychlorinated biphenyls, or other hazardous material. The Construction Manager is advised that certain classes of building materials (thermal system insulation, sprayed or troweled surfacing materials, and resilient flooring) installed before 1981 are required by law to be treated as asbestos containing until proven otherwise. These presumed asbestos containing materials must not be disturbed without confirmation from the Owner that asbestos is not present.

15.2 The Owner, the Construction Manager, and Sub-contractors will be under the requirements of the OSHA Hazard Communication Standard (29) CFR 1910.1200. The Construction Manager and Sub-contractors must provide their own written Hazard Communication Program. The Hazard Communication Standard must include: (1) A list of the hazardous chemicals to which the Construction Manager's employees may be exposed; (2) Statement of the measures that Construction Manager's employees and Sub-contractors may take to lessen the possibility of exposure to the

hazardous materials; (3) The location of and access to the Material Safety Data Sheets (MSDS's) related to the hazardous chemicals located in the Work area; (4) Procedures that the Construction Manager's employees and Sub-contractors are to follow if they are exposed to hazardous chemicals above the Permissible Exposure Limit (PEL). Material Safety Data Sheets may be reviewed upon request by the Construction Manager or any Sub-contractor as they pertain to the Work areas of the Project. Photocopies of the MSDS's may be made by Construction Manager at its expense.

15.3 The Construction Manager and Sub-contractors shall provide the Owner with a list of any hazardous materials that will be used on the job site. The Construction Manager and Sub-contractors shall provide the Owner with copies of Material Data Sheets for all such materials to be used.

15.4 It is the policy of the Owner that PCB containing equipment will be treated by the Construction Manager and the Owner in a manner that conforms to the intent of all applicable laws and regulations (primarily 40 CFR Part 761). The following procedures shall be followed by the Construction Manager and Sub-contractors while present on the Owner's Project or other property: (1) Only authorized, trained personnel may inspect, repair, or maintain PCB transformers; and (2) No combustible materials may be stored within a PCB transformer room or within five meters of a PCB transformer. Such materials include, but are not limited to, paints, solvents, plastic, paper, and wood. The Construction Manager shall not use rooms containing PCB transformers for storage rooms, staging areas, job site offices or break rooms. Violation of this policy may be grounds for dismissal of the offending Construction Manager and/or Sub-contractor from the Project. All PCB transformers at the University of Kentucky are identified by a PCB label as defined in federal regulations. If the Construction Manager should have a question as to the location of a PCB transformer, it should contact the Owner's Project Manager.

15.5 The Construction Manager shall ensure that NO asbestos-containing materials (including but not limited to: drywall, joint compound, roof mastic or floor tile adhesive) will be install on any University project without prior written approval of the University's Environmental Health and Safety Division. Additionally, the Construction Manager shall submit MSDS sheets and have prior approval before installing any materials that contains hazardous substances or could pose an environmental hazard. If any environmental hazardous materials are installed without written approval of the University, the Construction Manager will be responsible for all material replacement cost, all removal and all other associated damages. Any materials removed shall be taken out in accordance with all applicable federal, state and local regulations.

ARTICLE 16 - INSPECTION OF WORK

16.1 Inspections, tests, measurements or other acts of the Consultant are for the sole purpose of assisting the Consultant in determining if the Work, materials, rate of progress, and quantities comply with the Contract Documents. These acts or functions shall not relieve the Construction Manager from performing the Work in full compliance with the Contract Documents, nor relieve the Construction Manager from any of the responsibility for the Work assigned to it by the Contract Documents. No inspection by the Consultant shall constitute or imply acceptance. Approval of material is general and shall not constitute waiver of the Owner's right to demand full compliance with Contract Documents.

16.2 All Work completed and all materials incorporated for the Project are subject to inspection by the Owner, the Consultant or their representatives to determine conformance with the Contract Documents. The Owner, Consultant and their representatives shall at all times have access to the Work whenever it is in preparation or progress. The Construction Manager shall provide, at no additional cost to the Owner, any facilities necessary for sufficient and safe access to the Work to complete any inspections required. The Consultant shall be given timely notification in order to

arrange for the proper inspections to be performed on any Work outside of the normal working day or week. If the Consultant provides the Construction Manager with a list of construction milestones that require inspection, the Construction Manager shall provide the Consultant with at least five (5) Business Days written notice prior to the commencement of Work with respect to such milestone in order to permit the Consultant time to coordinate an inspection of the commencement of the applicable Work.

16.2.1 Normal Work hours are defined as a period between 7:00 a.m. and 5:00 p.m. Monday through Friday. The Construction Manager shall notify the Owner's Project Manager at least one working day prior to performance of any Work for permission to do any Work during non-normal Work hours.

16.3 If the Specifications, the Consultant's instructions, laws, ordinances, or any public authority require any Work to be specially inspected, tested or approved, the Construction Manager shall give the Consultant timely notice of the readiness of the Work for inspection. The Consultant shall promptly make all required inspections. If any portion of the Work should be covered contrary to the request of the Consultant, or to the requirements specifically expressed in the Contract Documents, the Work must be uncovered for inspection and observation and shall be uncovered and replaced at the Construction Manager's expense.

16.4 If any other portion of the Work has been covered, which the Consultant has not specifically requested to observe prior to being covered, the Consultant, with the Owner's approval, may request to see such Work and it shall be uncovered by the Construction Manager. If such Work is found to be in accordance with the Contract Documents, the cost of uncovering and replacement shall be charged to the Owner by appropriate Change Order. If such uncovered Work is not in accordance with the Contract Documents, the Construction Manager shall pay all costs for uncovering and replacement of such Work.

ARTICLE 17 - SUPERINTENDENT - SUPERVISION

17.1 The Construction Manager shall completely and thoroughly direct and superintend the Work in accordance with the highest standard of care for the Construction Manager's profession so as to ensure expeditious, workmanlike performance in accordance with requirements of the Contract Documents. Except as otherwise dictated by specific requirements of the Contract Documents, the Construction Manager shall be solely responsible for and have control over all construction means, methods, techniques, sequences and procedures. The Construction Manager shall be responsible for the acts and omissions of all Sub-contractors and persons directly or indirectly employed by the Construction Manager in the completion of the Work. The Construction Manager shall be responsible for coordinating and scheduling all portions of the Work unless the Contract Documents give other specific instructions. The Construction Manager shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by the activities of the Consultant in the administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Construction Manager.

17.2 The Construction Manager shall have a competent superintendent on the Project site at all times during the process of the Work. The superintendent shall have authority to act on the Construction Manager's behalf with regard to all aspects of performance of this Contract. The superintendent shall have such assistants with individual specialized competencies as may be necessary to fully understand and oversee all aspects of the Work. The Construction Manager shall also provide administrative, supervisory and coordinating personnel required to fully perform the Work and for interfacing the Work with other work of the Project. The superintendent and all assistants shall be physically fit for their work and capable of going to all locations where Work is being performed. A communication given to the superintendent shall be binding on the Construction

Manager. Immediately after the award of Contract, the Construction Manager shall submit to the Consultant a list of Construction Manager's employees and consultants, including names, positions held, addresses, telephone numbers and emergency contact numbers.

17.3 The superintendent assigned shall not be changed except under the following circumstances: (1) Where the superintendent ceases to be employed by the Construction Manager, in which case the Construction Manager shall give timely written notice to the Owner of the impending change of the superintendent and a reasonable explanation for the change; or (2) Where the Owner or the Consultant have reasonable grounds for dissatisfaction with the performance of the superintendent and give written notice to the Construction Manager of the grounds. In either case, the Construction Manager shall obtain prior written approval from the Owner of the qualifications of the proposed replacement superintendent. Such prior approval will not be unreasonably withheld.

17.4 If the Owner or Consultant determines that the superintendent is not performing, or is incompetent to perform the required Work, the Owner may direct the Construction Manager to remove the superintendent from the Project and replace the superintendent with an employee who has the necessary expertise and skills to satisfactorily perform the Work.

ARTICLE 18 - CHANGES IN THE WORK

18.1 The Owner, at any time after execution of the Contract, may make changes within the general scope of the Contract or issue additional instructions, require additional Work, or direct the deletion of Work. The Owner's right to make changes shall not invalidate the Contract or relieve the Construction Manager of any obligations under the Contract Documents. All such changes to the Work shall be authorized in writing by Change Order and shall be executed under the conditions of the Contract Document. Any adjustment of the Contract Amount or Time of Completion, as may be appropriate, shall be made only at the time of ordering such change. Change order proposals based on a reservation of rights, whether for additional compensation to be determined at a later date or for an extension of time to be determined at a later date, will not be considered for approval and shall be returned to the Construction Manager without action.

18.2 The cost or credit resulting from a change in Work shall be determined in one or more of the following ways:

18.2.1 By unit prices named in the Contract or additional unit prices subsequently agreed upon;

18.2.2 By agreement on a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

18.2.3 By an amount agreed upon by the Construction Manager and the Owner as a mutually acceptable fixed or percentage fee.

18.3 All lump sum proposals shall include a detailed cost breakdown satisfactory to the Consultant and to the Owner for each component of Work indicating both labor and material costs. This cost breakdown shall be submitted to the Consultant promptly and with a goal of seven (7) Calendar Days or less after receipt of the proposal request.

18.3.1 In computing labor costs, the hourly labor rates shall not exceed a mutually agreeable combined hourly labor rate plus fringe benefits negotiated with the Owner based on a presentation of acceptable documentation by the CM. For the purposes of this Article, the term "fringe benefits" shall mean those funds transferred irrevocably to a third party for payment/distribution. In addition,

there may be added by the Sub-contractor an amount agreed upon, but not to exceed ten percent (10%) of the actual cost, for overhead and profit.

18.3.2 The CM is entitled to a mark-up for bonds and insurance on all change orders. For change orders coded “End User Requested Changes” or “Other Owner Requested Changes” the CM may add overhead & profit in addition to the bonds and insurance referenced above. The mark-ups shall not exceed the combined percentage for overhead and profit, bonds, and insurance stated in the CM’s “Financial Proposal Summary”. These mark-ups will not be added to the individual change orders but will be reconciled by amendment at the completion of the project and/or on an annual basis for those projects exceeding 12 months in duration.

18.4 If none of the above methods are mutually agreed upon or if the Construction Manager does not respond promptly, a change may be made by unilateral determination by the Owner and/or the Consultant of reasonable costs or savings attributable to the change, including a reasonable allowance for overhead and profit. If this method is utilized, the Construction Manager shall promptly proceed with the Work involved in the change upon receipt of a written order signed by the Owner. In such case, the Construction Manager shall keep and present an itemized accounting of labor, equipment, material and other costs, in such form as may be prescribed by the Consultant.

18.5 In all cases where Change Orders are determined by unit prices set forth in the Contract Documents, no amount is to be added for additional overhead and profit.

18.6 The Construction Manager shall keep and present in such form as the Consultant may direct, a correct account of all items comprising the net cost of such Work, together with vouchers. The determination of the Consultant and/or the Owner shall be final upon all questions of the amount and cost of extra Work and changes in the Work, and it shall include in such cost, the cost to the Construction Manager of all materials used, the cost of all labor (including social security, old age and unemployment insurance, fringe benefits to which the employee is entitled, and Workers Compensation insurance), and the fair rental of all machinery used upon the extra Work, for the period of such use, which was upon the Work before or which shall be otherwise required by or used upon the Work before or after the extra Work is done. If the extra Work requires the use of machinery not already on the Project site, or to be otherwise used upon the Work, then the cost of transportation of such machinery to and from the Project site shall be added to the fair rental value. Transportation costs shall not be allowable for distances exceeding one hundred (100) miles.

18.7 The Construction Manager shall not include or allow to be included in the cost of change in the Work any cost or rental of small tools, or any portion of the time of the Construction Manager or the superintendent, or any allowance for the use of capital, or for the cost of insurance or bond premium or any actual or anticipated profit, or job or office overhead. These items are considered as being covered under the added amount for general overhead addressed in Article 18.3

18.8 The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

18.9 Pending final determination of value, partial payments on account of changes in the Work may be made on recommendation of the Consultant. All Change Orders shall be in full payment and final settlement of all claims for direct, indirect and consequential costs, including all items covered and affected. Any such claim not presented by the Construction Manager for inclusion in the Change Order shall be waived.

18.10 The Consultant may authorize minor changes in the Work which do not involve additional cost or extension of the Contract Time, and which are not inconsistent with the intent of the Contract

Documents. Such changes shall be made by an ASI issued by the Consultant, and shall be binding on the Owner and the Construction Manager. The Construction Manager shall carry out such orders promptly. If the Construction Manager should claim that an ASI involves additional cost or delay to the completion of the Work, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after receipt of the written ASI. If this notification does not occur, the Construction Manager shall be deemed to have waived any right to claim or adjustment to the contract sum or to the contract completion time.

18.10.1 If the Construction Manager claims that any instructions by the Consultant involve additional cost or time extension, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after the receipt of such instructions and before proceeding to execute the change in Work. The written notice shall state the date, circumstances, whether a time extension will be requested, and the source of the order that the Construction Manager regards as a Change Order. Unless the Construction Manager acts in accordance with this procedure, any oral order shall not be treated as a change and the Construction Manager hereby waives any claim for an increase of the Contract amount or extension of the contract time.

18.11 Requests for extension of time related to changes in the Work shall be submitted in accordance with the requirements of Article 21 of these General Conditions.

18.12 Prior to final payment, the Construction Manager shall provide to the Owner a full accounting of executed change orders by and between the Construction Manager and the Trade Contracts. The Construction Manager shall also provide a reconciliation of that accounting against the executed change orders by and between the Owner and the Construction Manager.

ARTICLE 19 - RULES AND MEASUREMENTS FOR EXCAVATION

19.1 If applicable, the following Rules and Measurements shall apply to the use of Unit Prices for the excavation portion of the Work:

19.1.1 Except as provided in this Article 19 for arbitrary measurements, the quantity of excavation shall be its in-place volume before removal.

19.1.2 No allowance will be made for excavating additional material of any nature taken out for the convenience of the Construction Manager beyond the quantity computed under these "Rules and Measurements."

19.1.3 The quantities of excavation shall be computed from instrument readings taken by the Consultant's representative in vertical cross sections located at such intervals that will assure accuracy.

19.1.4 "Trench Excavation" for pipes shall arbitrarily be assumed to be two feet (2') wider than the outside diameter of the pipe barrel and with sides vertical.

19.1.5 The quantities shall be computed from plan size, or if there are no drawings, from actual measurements of the Work in place.

19.1.6 Each unit price shall cover, among other things, engineering (surveying) costs and keeping excavating dry.

19.1.7 Earth excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surface of the ground to the neat lines of the bottom of the structure.

19.1.8 Rock excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surfaces of the rock to the neat lines of the bottoms of the structures or the actual elevation of the rock ledge.

19.1.9 Rock excavation for pipelines trenches, unless otherwise provided for in the Specifications, shall be measured as follows: An arbitrary width of 18 inches plus the nominal diameter of the pipe multiplied by the depth from the surface the rock to six (6) inches below the invert for pipe 24 inches in diameter or less and eight (8) inches below the invert for all pipe greater than 24 inches in diameter. No additional compensation will be allowed for excavation for bell holes, gates or other purposes. The measurement of rock excavation for manholes shall be in accordance with Section 19.1.8 above.

19.1.10 Unclassified excavation shall be measured in the same manner as earth excavation.

ARTICLE 20 - CONCEALED CONDITIONS

20.1 The Contract Drawings show the approximate location of the existing and new utility lines. These lines have been identified and located as accurately as possible using available information. The Construction Manager is responsible for verifying all actual locations. If utilities require relocation or rerouting that is not shown or indicated to be relocated or rerouted, the Construction Manager shall contact and cooperate with the Consultant to make the required adjustments. Any request for change in the Contract Amount by the Construction Manager shall be made pursuant to Article 18 of the General Conditions.

20.2 If any charted or uncharted utility service is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the Construction Manager shall work continuously to restore service to the satisfaction of the Owner.

20.2.1 If any charted utility service, or any uncharted utility service the existence of which could have been discovered by careful examination and investigation of the site of the Work by the Construction Manager, is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the entire cost to restore service to the satisfaction of the Owner shall be paid by the Construction Manager. Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the work/repairs completed and the cost of such work/repairs deducted from the monies due or to become due to the Construction Manager pursuant to Article 22 of the General Conditions.

20.3 The Construction Manager shall promptly, but in no case more than ten (10) Calendar Days from the time of discovery, and before the conditions are disturbed, notify Consultant in writing of:

20.3.1 Subsurface or latent physical conditions or any condition encountered at the site which differ materially from those indicated in the Contract Documents and which were not known by Construction Manager or could not have been discovered by careful examination and investigation of the site of the proposed Work;

20.3.2 Unknown and unexpected physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered in the locale or generally recognized as inherent in the Work provided for in this Contract or,

20.3.3 Concealed or unknown conditions in an existing structure which are at variance with the conditions indicated by the Contract Documents, which are of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, and which were not known by the Construction Manager and could not have been discovered by careful examination and investigation of the site of the Work.

20.4 The Consultant shall promptly investigate the conditions discovered. If the Consultant finds that conditions, which are materially different from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, were not known by the Construction Manager, and could not have been discovered by careful examination and investigation of the site of the Work, have caused or would cause a material increase or decrease in the Construction Manager's cost of construction or the time required for performance of any part of the Work under this contract, the Consultant will recommend and the Owner will make an equitable adjustment in the Contract Amount and/or the time allotted for performance in the Contract Documents. Failure by the Construction Manager to provide written notice to the Owner of such claims for additional compensation or time for performance within ten (10) Calendar Days of discovery of such conditions shall constitute a waiver by the Construction Manager of the right to make such claims. The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

20.5 If the Consultant determines that changed conditions do not exist or are not materially different and no adjustment in the Contract Amount or time is warranted, the Construction Manager shall continue performance of the Contract as directed by the Consultant. No claim by the Construction Manager under this clause shall be allowed unless the required written notice is given and the Consultant is given adequate opportunity to investigate the conditions encountered prior to disturbance. The failure of the Construction Manager to give the Consultant proper notice of a differing site condition shall not affect the Owner's right to an equitable adjustment of the contract price or time if there is a decrease in the Contract Amount or time required to perform the Work.

ARTICLE 21 - DELAYS AND EXTENSION OF TIME

21.1 It is agreed that time is of essence for each and every portion of this Contract and where additional time is allowed for the completion of the Work or any part of the Work under this Contract, the new time limit fixed by such time extension shall be of the essence of this Contract. An extension of time shall not be cause for extra compensation under this Contract, except as set forth in Article 21.10 below.

21.2 The Construction Manager will, subject to the provisions of Articles 21.7, 21.8 and 21.9 below, be granted an extension of time and/or relief from liquidated damages when the delay in completion of the Work is due to:

21.2.1 Any preference, priority, or allocation order duly issued by the government;

21.2.2 Unforeseeable causes beyond the control and without the fault or negligence of the Construction Manager including, but not limited to, acts of God, or of the public enemy, acts of the Owner, acts of another contractor in the performance of a contract with the Owner, floods, epidemics, quarantine restrictions, strikes, and freight embargoes.

21.2.2.1 For such delays which stop all work on the Project for thirty (30) Calendar Days or more, the Construction Manager shall be authorized at its discretion to remove its people from the site and return when the normal progress of the work may continue.

21.2.3 Regardless of the cause of a delay, the Construction Manager shall expend all reasonable effort to mitigate the impact of any delay.

21.2.4 Requests for additional time due to delays in transportation or due to failures of suppliers shall not be considered for approval.

21.3 Requests for extensions of time and/or relief from liquidated damages, except for weather related claims, shall be made in writing not later than ten (10) Calendar Days after the beginning of the delay. Requests for extension of time or relief from liquidated damages shall be stated in numbers of whole Calendar Days.

21.4 Except as otherwise provided in the Contract Documents, extensions of the contractually required completion dates may be granted for unusually bad weather on the Project. Unusually bad weather as used herein means daily temperature or precipitation that exceeds the normal weather recorded and expected for the locality and/or the season or seasons of the year. For the purposes of this contract, it is mutually agreed that the following chart accurately defines the number of days in each month on which bad weather can reasonably be anticipated to impact weather dependent construction operations, and the Construction Manager shall anticipate this normal seasonal weather in the development of the Project baseline schedule.

Mean Number of Days When	Jan.	Feb	Mar	Apr.	May	Jun	Jul.	Aug	Sept.	Oct	Nov.	Dec.
Max Temp 32° or Below	9	6	1	0	0	0	0	0	0	0	1	5
Precip. Is 0.10 Inch or Greater	7	6	9	7	8	8	8	6	5	5	7	7

For the purpose of this Contract, “unusually bad weather” shall be interpreted as either 1) those days in a given month on which rainfall was 0.10 inch or more that exceed the number of days shown in the row for “Precip” or 2) those days in a given month on which maximum temperature was 32 degrees F or below that exceed the number of days shown in the row for “Max Temp”, whichever is greater.

21.4.1 Requests for extension of time due to unusually bad weather that could not reasonably have been anticipated at the time of execution of the Contract shall be made in writing not later than the tenth calendar day of the month following the month in which the delay occurred.

21.4.2 Requests for an extension of time due to unusually bad weather shall be considered for approval only if it is shown that a) the unusual weather event delayed work on a specific weather dependent activity or activities that had been planned to be underway on the date(s) on which the weather event occurred, as shown in the most recent update to the Project schedule that had been submitted to the Owner prior to the date of the event, and b) only if the delay to that activity or activities is shown to be the proximate cause of a corresponding delay to the contractually required completion dates for the Project shown in the most recent update to the Project schedule. The actual dates on which the delay(s) occurred must be stated and the specific activities that were directly impacted must be identified. In the event of concurrent delays, only those activities actually

impacting contractually required completion dates will be considered in evaluating the merit of a delay request. Time extensions will not be considered if such adjustments do not exceed the total or remaining "float" associated with the impacted activities at the time of delay as shown in the most recent update to the Project schedule, nor for concurrent delays not caused by the Owner.

21.4.3 In anticipation of the possibility of delay due to unusually bad weather, the Construction Manager shall identify those activities in the baseline schedules, and those activities subsequently added to updated schedules, that might reasonably be expected to be delayed by such weather.

21.4.4 Delays caused by unusually bad weather shall be incorporated in the Project schedule when the schedule is next updated by showing actual dates and/or percent complete for those activities that were impacted by the unusually bad weather as well as the effects of any effort to mitigate such delays. When claims are submitted for time extensions resulting from more than one occurrence of unusually bad weather during a month, the Project schedule shall be updated to reflect such separate events sequentially so that the impact of each subsequent occurrence is shown on an adjusted Project schedule that includes all prior claims for additional time.

21.5 In addition to the requirements of Article 21.7 and Article 21.8 below, any request for an extension of time for strikes or lockouts shall be supported by a written statement of facts concerning the strike including, but not limited to, the dates, the craft(s) affected, the reason for the strike, efforts to resolve the dispute, and efforts to minimize the impact of the strike on the Project.

21.6 Approval of time extensions for changes in the Work will depend upon the extent, if any, to which the changes cause delay in the completion of the various elements of construction. The Change Order granting the time extension may provide that the Contract Time will be extended only for those specific elements so delayed and that other Work will not be altered.

21.7 The Contract Time will only be adjusted for causes specified above. Extensions of time will only be approved if the Construction Manager provides justification supported by the Project schedule or other acceptable data that 1) such changes are, in fact, on the critical path and extend the contractually required completion dates, and 2) the Construction Manager has expended all reasonable effort to minimize the impact of such changes on the construction schedule. No additional extension of time will be granted subsequently for claims having the basis in previously approved extensions of time.

21.8 In support of requests for an extension of time not caused by unusual inclement weather, and concurrently with the submittal of any such request, the Construction Manager shall submit to the Consultant and the Owner a written impact analysis showing the influence of each such event on contractually required completion dates as shown in the updated Project schedule most recently submitted to the Owner prior to the event. The analysis shall include a partial network diagram showing a sequence of new or revised activities and/or durations that are proposed to be added to the existing schedule including related logic (a "fragnet"). This impact analysis and the fragnet shall include the new activities and/or activity revisions proposed to be added to the existing schedule and shall demonstrate the claimed impact on the critical path and the contractually required completion dates. The Construction Manager will not be granted an extension of time and/or relief from liquidated damages when the delay to completion of the work is attributable to, within the control of, or due to the fault, negligence, acts, or omissions of the Construction Manager and/or the Construction Manager's contractors, subcontractors, suppliers, or their respective employees and agents. Time extensions will not be considered in the event such adjustments do not exceed the total or remaining "float" associated with the impacted activities at the time of delay, nor for concurrent delays not caused by the Owner. In the event of concurrent delays, only that event actually impacting contractually required completion dates will be considered in adjusting the schedule and evaluating the merit of a

delay claim. Requests for an extension of time which are not supported by this information shall not be considered for approval.

21.9 Approved extensions of time not caused by unusual inclement weather shall be incorporated in a revised schedule at the time of approval. No subsequent requests for time extension will be considered unless all previous approved time extensions have been incorporated in the Project schedule on which the requests are based.

21.10 Except as provided for in Article 21.10.1 through 21.10.3 below, no payment or compensation shall be made to the Construction Manager and extensions of the time fixed for completion of the Contract shall be the Construction Manager's sole remedy for any and all delays, hindrances, obstructions or impacts in the orderly progress of the Work.

21.10.1 In addition to the provisions of Articles 18.3 and 18.3.1 above, and subject to the requirements of Article 21.8 and 21.8.1 above, if the Owner orders changes to the scope of Work for the Project that extend the then current contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs associated with such delay.

21.10.2 If delays, hindrances, impacts or obstructions of the Construction Manager's performance of the Contract are in whole or in part within the control of the Owner and, subject to the requirements of Article 21.8 and 21.8.1, extend contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs for that portion of the costs caused by acts or omissions of the Owner.

21.10.3 Such reimbursements shall not include consequential or similar damages, exemplary damages, damages based on unjust enrichment theory, formula based delay claims, or any element of home office overhead.

ARTICLE 22 - CORRECTION OF WORK BEFORE FINAL PAYMENT

22.1 The Construction Manager shall promptly remove from the site and replace any material and/or correct any Work found by the Consultant to be defective or that fails to conform to the requirements of the Contract, whether incorporated in the Work or not, and whether observed before or after Substantial or Final Completion. The Construction Manager shall bear all costs of removing, replacing or correcting such Work or material including the cost of additional professional services necessary, and the cost of repairing or replacing all Work of separate contractors damaged by such removal or replacement.

22.2 The Consultant will notify the Construction Manager and the Owner immediately upon its knowledge that additional services will be necessary. The Owner may consent to accept such nonconforming Work and materials with an appropriate adjustment in the Contract Amount. Otherwise, the Construction Manager shall promptly replace and re-execute the Work in accordance with the Contract Documents and without expense to the Owner and shall bear the expense of making good all work of other contractors destroyed or damaged by such removal or replacement. If the Construction Manager fails to commence and continue to correct non-conforming Work within a reasonable time as determined by the Consultant, the Owner may without limitation of other rights available to the Owner and without prejudice to other remedies, take any necessary action to make the necessary corrections. If the Owner makes required corrections for non conforming Work or materials, a Change Order will be issued reflecting an equitable deduction from the Contract Amount. This amount will be deducted from payments due to the Construction Manager or, if no additional

payments are due, Construction Manager or the Construction Manager's surety shall be responsible for payment of this amount.

ARTICLE 23 - CORRECTION OF WORK AFTER FINAL PAYMENT

23.1 Neither the final certificate of payment nor any provisions in the Contract Documents shall relieve the Construction Manager of responsibility for materials and equipment incorporated into the Work that fails to meet specification requirements, or for the use of faulty materials or poor quality workmanship. If within one year after the date of Substantial Completion of the Work or designated portion thereof, any of the Work is found to be defective or not in accordance with the requirements of the Contract Documents, the Construction Manager shall correct it promptly after receipt of written notice from the Owner to do so. The Construction Manager shall correct any defects due to these conditions and pay for any damage to other Work resulting from their use. Nothing contained in this clause shall be construed to establish a period of limitation with respect to any obligation of the Construction Manager under the Contract including, but not limited to, warranties. The obligation of the Construction Manager under this section shall be in addition to and not in limitation of any obligations imposed by special guarantees or warranties required by the Contract, given by the Construction Manager, or otherwise recognized or prescribed by law.

23.2 In addition to being responsible for correcting the Work and removing any non-conforming Work or materials from the job site, the Construction Manager shall bear all other costs of bringing the affected Work into compliance with the Contract requirements. This includes costs of any required additional testing and inspection services, Consultant's services, and any resulting damages to other property or to work of other contractors or of the Owner.

23.3 If the Construction Manager fails to correct nonconforming Work within a reasonable time as determined by the Consultant, the Owner may take necessary actions to make the necessary corrections. If the Owner makes required corrections for nonconforming Work or materials after Final Payment to the Construction Manager, the Owner shall be entitled to recover all amounts for such corrections, including costs and attorney's fees, from Construction Manager or surety.

ARTICLE 24 - TERMINATION OF CONTRACT FOR CONVENIENCE OF OWNER

24.1 The Owner, by written notice to the Construction Manager, may terminate this Contract in whole or in part when it is in the interest of the Owner, at the sole discretion of the Owner. In such case, the Construction Manager shall be paid for all Work in place and a reasonable allowance for profit and overhead on Work done, provided that such payments shall not exceed the total Contract price as reduced by the value of the Work as yet not completed. The Construction Manager shall not be entitled to profit and overhead on Work not performed.

ARTICLE 25- OWNER'S RIGHT TO STOP WORK

25.1 If the Construction Manager fails to correct defective Work as required, or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner by written notice may order the Construction Manager to stop the Work or any portion of the Work until the cause for the order has been eliminated to the satisfaction of the Owner. The Consultant may stop Work without written notice for 24 hours whenever in its professional opinion such action is necessary or advisable to insure conformity with the Contract Documents. The Construction Manager shall not be entitled to an adjustment in the Contract Time or Amount under this clause in the event such stoppages are determined to be the fault of the Construction Manager or its Sub-contractor(s). The right of the Owner or Consultant to stop Work shall not give rise to a duty on the part of the Owner or Consultant to exercise this right for the benefit of the Construction Manager or others.

ARTICLE 26 -TERMINATION OF CONTRACT FOR DEFAULT ACTION OF CONSTRUCTION MANAGER

26.1 In addition to its rights under Articles 24 and 25, the Owner may terminate the contract upon the occurrence of any one or more of the following events:

26.1.1 If the Construction Manager refuses or fails to prosecute the Work (or any separable part thereof) with such diligence as will insure its completion within the agreed upon time; or if the Construction Manager fails to complete the Work within such time;

26.1.2 If the Construction Manager is adjudged a bankrupt or insolvent, or makes a general assignment for the benefit of creditors, or if the Construction Manager or a third party files a petition to take advantage of any debtor's act or to reorganize under the bankruptcy or similar laws concerning the Construction Manager, or if a trustee or receiver is appointed for the Construction Manager or for any of the Construction Manager's property on account of the Construction Manager's insolvency, and the Construction Manager or its successor in interest does not provide adequate assurance of future performance in accordance with the Contract within ten (10) days of receipt of a request for assurance from the Owner;

26.1.3 If the Construction Manager repeatedly fails to supply sufficient qualified supervision of the work, or repeatedly fails to ensure that Sub-contractors supply adequate supervision, suitable materials or equipment, or adequate numbers of skilled workmen and supervision to the Work;

26.1.4 If the Construction Manager repeatedly fails to make prompt payments to Sub-contractors or suppliers at any tier, or for labor, materials or equipment;

26.1.5 If the Construction Manager disregards laws, ordinances, rules, codes, regulations, orders or similar requirements of any public entity having jurisdiction;

26.1.6 If the Construction Manager disregards the authority of the Consultant or the Owner;

26.1.7 If the Construction Manager performs Work which deviates from the Contract Documents, and neglects or refuses to correct rejected Work; or

26.1.8 If the Construction Manager otherwise violates in any material way any provisions or requirements of the Contract Documents.

26.2 Once the Owner determines that sufficient cause exists to justify the action, the Owner may terminate the Contract without prejudice to any other right or remedy the Owner may have, after giving the Construction Manager and its Surety three (3) Calendar Days notice by issuing a written Declaration of Default. The Owner shall have the sole discretion to permit the Construction Manager to remedy the cause for the contemplated termination without waiving the Owner's right to terminate the Contract.

26.3 In the event that the Contract is terminated, the Owner may demand that the Construction Manager's Surety take over and complete the Work on the Contract. The Owner may require that in so doing, the Construction Manager's Surety not utilize the Construction Manager in performing the Work. Upon the failure or refusal of the Construction Manager's Surety to take over and begin completion of the Work within twenty (20) Calendar Days after the demand, the Owner may take over the Work and prosecute it to completion as provided below.

26.3.1 In the event that the Contract is terminated and the Construction Manager's Surety fails or refuses to complete the Work, the Owner may take over the Work and prosecute it to completion in accordance with the laws of the Commonwealth, by contract or otherwise, and may exclude the Construction Manager from the site. The Owner may take possession of the Work and of all of the Construction Manager's tools, appliances, construction equipment, machinery, materials, and plant which may be on the site of the Work, and use the same to the full extent they could be used by the Construction Manager, without liability to the Construction Manager. At the Owner's sole discretion, the Owner has the right to take assignment of any or all portions of the contract work in order to prosecute the completion of the Work. In exercising the Owner's right to prosecute the completion of the Work, the Owner may also take possession of all materials and equipment stored at the site or for which the Owner has paid the Construction Manager but which are stored elsewhere, and finish the Work as the Owner deems expedient. In such case, the Construction Manager shall not be entitled to receive any further payment until the Work is finished.

26.3.2 If the unpaid balance of the Contract Price exceeds the direct and indirect costs and expenses of completing the Work including compensation for additional professional and Consultant services, such excess shall be used to pay the Construction Manager for the cost of the Work it performed and a reasonable allowance for overhead and profit. If such costs exceed the unpaid balance, the Construction Manager or the Construction Manager's Surety shall pay the difference to the Owner. In exercising the Owner's right to prosecute the completion of the Work, the Owner shall have the right to exercise its sole discretion as to the manner, methods, and reasonableness of the costs of completing the Work and the Owner shall not be required to obtain the lowest figure for Work performed in completing the Contract. In the event that the Owner takes bids for remedial Work or completion of the Project, the Construction Manager shall not be eligible for the award of such Contract.

26.3.3 The Construction Manager shall be liable for any damage to the Owner resulting from the termination or the Construction Manager's refusal or failure to complete the Work, and for all costs necessary for repair and completion of the Project above the amount of the Contract. The Construction Manager shall be liable for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

26.3.4 If liquidated damages are provided in the Contract and the Owner terminates the Contract, the Construction Manager shall be liable for such liquidated damages, as provided for in Article 29.2 and 29.3 below, until Substantial Completion and Final Completion of the Work are achieved.

26.3.5 In the event the Contract is terminated, the termination shall not affect any rights of the Owner against the Construction Manager. The rights and remedies of the Owner under this Article are in addition to any other rights and remedies provided by law or under this Contract. Any retention or payment of monies to the Construction Manager by the Owner will not release the Construction Manager from liability.

26.3.6 In the event the Contract is terminated under this Article, and it is determined for any reason that the Construction Manager was not in default under the provisions of this Article, the termination shall be deemed a Termination for Convenience of the Owner pursuant to Article 24 and the rights and obligations of the parties shall be determined in accordance with Article 24.

ARTICLE 27 - SUSPENSION OF WORK

27.1 The Owner or the Consultant may, at any time and without cause, order the Construction Manager in writing or cause the Construction Manager to suspend, delay or interrupt all or any part of the Work for such period of time as the Owner may determine to be appropriate for its convenience.

Adjustment may be made for any increase in the Contract time necessarily caused by such suspension or delay, in accordance with Article 21.

ARTICLE 28 - TIME OF COMPLETION

28.1 The Construction Manager shall begin the Work on the date of commencement as specified in the Work Order. All time limits stated in the Contract Documents are of the essence of the Contract. The actual end of the Contract Time shall be the date specified on the approved certificate of Substantial Completion. The time for completion set forth in the Contract is a binding part of the Contract upon which the Owner may rely in planning the use of the facilities to be constructed and for all other purposes.

28.2 Substantial Completion is defined in Article 1.1.17 of these General Conditions. Only incidental corrective Work under punch lists and final cleaning (if required) for Owner's full use shall remain for Final Completion. The ability to occupy or utilize shall include regulatory authority approval unless regulatory approval is delayed due to actions of the Owner or the Consultant. When the Owner accepts and occupies a portion of the Project, the operation, maintenance, utilities, and insurance of that portion of the Project becomes the responsibility of the Owner.

28.3 The date of Substantial Completion shall be that date certified by the Owner, in accordance with the following procedures, that the Work is sufficiently complete to occupy or utilize as defined above.

28.3.1 When the Construction Manager considers the entire Work is substantially complete as defined in Article 1.1.17 of these General Conditions, and is ready for its intended use, the Construction Manager shall notify the Consultant in writing and request an inspection. The declaration and request shall be accompanied by a list prepared by the Construction Manager of those items of Work still to be completed or corrected. The failure of the Construction Manager or Consultant to include any item or items which are not completed or which need correction on such list shall not alter the responsibility of the Construction Manager to complete all Work in accordance with the Contract Documents.

28.3.2 The Consultant shall, within a reasonable time after receipt of notification from the Construction Manager of a declaration of Substantial Completion and request for inspection, make such inspection. Prior to the Substantial Completion Inspection and within sufficient time to allow the Consultant's review, the Construction Manager shall submit all As-Built drawings, Notice of Termination, catalog data, complete operating and maintenance instructions, manufacturer specifications, certificates, warranties, written guarantees and related documents required by the contract. The Consultant shall review said documents for accuracy and compliance with the Contract Documents and incorporate them into complete operating instructions and deliver them to the Owner.

28.3.3 If the Consultant considers the Work substantially complete, the Consultant shall recommend that the Owner prepare a Certificate of Substantial Completion which shall establish the date of Substantial Completion and the responsibilities between the Owner and Construction Manager for security, maintenance, heat, utilities and insurance, if not otherwise provided for in the Contract Documents, and a tentative list of items to be completed or corrected, and shall fix the time within which the Construction Manager shall complete the items listed therein. This time shall not exceed thirty (30) Calendar Days unless otherwise provided for in the Work Order. The Certificate of Substantial Completion shall be submitted to the Consultant and Construction Manager for their written acceptance of the responsibilities assigned to them in the certificate. The Project shall not be deemed substantially complete until the certificate is issued. If, after making the inspection, the

Consultant does not consider the Work substantially complete, the Consultant will notify the Owner and the Construction Manager in writing

28.4 Operation and Maintenance Manual Deliverables. In anticipation and preparation of completion of the Work and the closing out of the Project, and to facilitate training of the Owner's personnel in the maintenance and operation of the new installations, the Construction Manager shall comply with the requirements of Article 8.7 of the Special Conditions. (For the purposes of this article, air test and balance reports may be submitted at a later date with the request for certification of substantial completion.) These manuals shall be submitted to the Consultant for approval, and subsequently forwarded to the Owner's Project Manager by or before the time construction is 75% complete, as reflected by the Contractor's most recently submitted Application for Payment.

28.4.1 The provisions of Article 30.11 notwithstanding, if the Construction Manager meets the requirements of Article 28.4 above with respect to timely submittal of approvable Operation and Maintenance manuals and provided the project construction is 1) at least 75% complete and 2) is equal to or ahead of the approved progress schedule and 3) the Work completed is in compliance with the requirements of the contract documents, the Owner, at the sole discretion of the Director, Capital Projects Management Division may reduce the retainage to not less than three percent (5%) of the current Contract Amount. In the event the Construction Manager fails to submit acceptable O&M manuals prior to reaching 75% completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

28.5 Project Close Out. When the Construction Manager considers that all Work required by the Contract is 100% complete, including correction of any remaining punch list work or deficiencies, the Construction Manager shall notify the Consultant in writing and request a final inspection. The Consultant, upon receipt of written notice from the Construction Manager that the Work is complete and is ready for final inspection and acceptance, will promptly make such inspection and if the Consultant finds the Work completed and acceptable under the Contract Documents and the Contract fully performed, the Consultant will notify the Construction Manager in writing to submit, and will certify to the Owner a final Certificate for Payment in accordance with Articles 30.9 and 30.9.1 of these General Conditions. If the Construction Manager does not complete the punch items within the time designated, the Owner retains the right to have these items corrected at the expense of the Construction Manager including all architectural, engineering and inspection costs and expenses incurred by the Consultant and the Owner, and to deduct such costs and expenses from the funds being held in retainage. The Owner shall not be required to release the retainage until such items have been completed.

ARTICLE 29 - LIQUIDATED DAMAGES

29.1 The Owner and the Construction Manager recognize and agree that time is of the essence of this Contract and that the Owner will suffer financial loss if the Work is not completed within the time specified in the Contract plus any extensions that may be allowed. The parties further recognize the delays, expense and difficulties involved in proving the actual loss suffered by the Owner should the Work not be completed on time. The Owner and the Construction Manager agree on the amounts stated as liquidated damages in the Agreement. The Owner and Construction Manager agree that the amount stated as liquidated damages are not intended to be penalties.

29.2 Should the Construction Manager fail to satisfactorily complete the Work under Contract on or before the date stipulated for Substantial Completion, as adjusted by approved Change Orders, if any, the Construction Manager will be required to pay liquidated damages to the Owner for each

consecutive Calendar Day that the Owner is deprived of full use of the area beyond the date specified unless otherwise stipulated elsewhere by Owner. After the date for Substantial Completion has been certified by the Owner, the Construction Manager shall cease to owe liquidated damages until the date established for Final Completion.

29.3 If Final Completion is not achieved by the date established for Final Completion, as adjusted by approved Change Orders, if any, liquidated damages in the amount stipulated in the Agreement will become due and collectable. The Contract will be considered complete and Final Completion shall be deemed to have occurred when all Work has been completed in compliance with the Contract Documents and the Certificate of Final Completion has been issued by the Owner. No deduction or payment of liquidated damages will, in any degree, release the Construction Manager from further obligations and liabilities to complete the entire Contract. Permitting the Construction Manager to continue and finish the Work, or any part of it, after expiration of the Contract Time, shall in no way constitute a waiver on the part of the Owner of any liquidated damages due under the Contract.

ARTICLE 30 - PAYMENT TO THE CONSTRUCTION MANAGER

30.1 Payments on account of this Contract shall be made monthly as Work progresses. The Construction Manager shall submit to the Consultant, in the manner and form prescribed, an application for each payment, and, if required, receipts or other vouchers showing payments made for materials and labor, including payments to Sub-contractors. All payments shall be subject to any withholding or retainage provisions of this contract. All pay request documents, except the final payment, shall be submitted in whole dollar amounts. All payment applications from the Construction Manager shall include line items for overhead, profit and general condition costs.

30.2 The Consultant shall, within ten (10) Business Days after receipt of each application for payment, certify approval of payment in writing to the Owner and present the application to the Owner, or return the application to the Construction Manager indicating in writing its reasons for refusing to approve payment. The Owner, provided no exception is taken to the application for payment submitted by the Consultant, will issue payment on or within thirty (30) Business Days from the date received from the Consultant. A reasonable delay on the part of the Owner in making payment to the Construction Manager for any given payment shall not be grounds for breach of Contract. The Consultant may refuse to approve the whole or any part of any payment if it would be incorrect to make such presentation to the Owner.

30.3 If payment is requested on the basis of materials and equipment not incorporated in the Work, but delivered and suitably stored at an off jobsite location agreed to in writing by the Owner that meets the manufacturer's requirements for the stored material and not-comingled with other material, the Construction Manager must furnish the following:

30.3.1 A list of the materials consigned to the Project (which shall be clearly identified), giving the place of storage, together with copies of invoices.

30.3.2 Certification that all items have been tagged for delivery to the Project and that they will not be used for any other purpose.

30.3.3 A letter from the Surety indicating that the Surety agrees to the arrangements and that payment to the Construction Manager shall not relieve either the Construction Manager or its Surety of their responsibility to complete the Work.

30.3.4 Evidence of adequate insurance listing the Owner as an additional insured covering the material in storage.

30.3.5 Evidence that representatives of the Consultant have visited the Construction Manager's place of storage and checked all items listed on the Construction Manager's certificate. They shall certify, insofar as possible, that the items are in agreement with the Specifications and approve their incorporation into the Project.

30.4 The Owner will pay 80% of the invoiced value less retainage for materials stored off site providing the above conditions are met.

30.5 The Construction Manager's signature on each subsequent application for payment shall certify that all previous progress payments received on account of the Work have been applied to discharge in full all of the Construction Manager's obligations reflected in prior applications for payment.

30.6 Each payment made to the Construction Manager shall be on account of the total amount payable to the Construction Manager and the Construction Manager warrants and guarantees that the title to all materials, equipment and Work covered by the paid partial payment shall become the sole property of Owner free and clear of all encumbrances. Nothing in this Article shall be construed as relieving Construction Manager from the sole responsibility for care and protection of materials, equipment and Work upon which payments have been made or restoration of any damaged Work or as a waiver of the right of Owner to require fulfillment of all terms of the Contract Documents.

30.7 Within thirty (30) Calendar Days of the award of any Trade Contracts, and prior to submitting the next application for payment, the Construction Manager shall submit to the Consultant and the Owner for approval a detailed breakdown of the Contract Amount including all trade contracts that have been awarded as of the date of that application for payment pursuant to CSI specification divisions, divided so as to facilitate payment and correlated to the schedule required by General Conditions Article 32 of the Contract Documents. The total value of all activities shall add up to the Contract Amount. When approved by the Consultant and the Owner, this schedule shall be used as a basis for Construction Manager's applications for payment and may be used by the Owner to determine costs or credits resulting from changes in the Work. Failure to obtain the approval of the Schedules of Values shall be a basis for withholding payment to the Construction Manager.

30.8 Retainage – The Owner will retain ten percent (10%) of the Construction Manager's progress payments, including amounts claimed for construction management fee until fifty one percent (51%) of the construction project has been completed. Thereafter, if the Work is fully in compliance with the requirements of the Contract and except as provided for in Article 28.4.1 above, the Owner shall retain five percent (5%) of the total contract amount until Substantial Completion and acceptance of all Work covered by this Contract, as collateral security to insure successful completion of the Work. For the purposes of this Article, the term "in full compliance" shall mean 1) that the progress of the Work is equal to or ahead of that predicted by the Project Baseline schedule and 2) the Work completed is in compliance with the requirements of the contract documents. Subsequent to the issuance of the Substantial Completion Certificate and depending upon the cost involved for the completion and/or correction of punch list items, the Consultant may recommend to the Owner an adjustment to the amount being held as retainage and, if approved by Owner, the amount of retainage may then be reduced and a sufficient sum retained by Owner to assure completion of the remaining unfinished Work. Retainage reduction as provided for in this Article 30.8 is contingent upon the Construction Manager and/or Sub-contractors being on or ahead of the approved progress schedule and on verification by the Consultant that the Work completed is in compliance with the requirements of the contract documents.

30.8.1 In addition to the retainage set forth above, the Owner may withhold from any monthly progress payments or nullify any progress payments in whole or in part as necessary to protect the Owner from loss on account of:

30.8.1.1 Defective Work which has not been remedied or completed Work which has been damaged requiring correction or replacement, or

30.8.1.2 Action required by the Owner to correct Defective Work or complete Work which the Construction Manager has failed or refused to correct or complete, or

30.8.1.3 Failure of the Construction Manager to perform any of its obligations under the Contract, or

30.8.1.4 Failure of the Construction Manager to make payment properly to Sub-contractors; suppliers of material, services or labor; or to reimburse the University for utilities or other services as provided for in the Contract;

30.8.1.5 Amounts to be withheld as liquidated damages for failure to complete the Project in the allotted Contract time.

30.8.2 When the Owner is satisfied that the Construction Manager has remedied any such deficiency, payments shall be made of the amount being withheld on the next scheduled application for payment.

30.9 Final Payment – When all Work is completed and acceptable and the Contract is fully performed, the Construction Manager will be directed to submit a final payment application for certification and the entire balance shall be due and payable upon a certification of completion by the Consultant that the Work is in accordance with the Contract Documents. Final change order reconciliation as per Article 18.12 must be provided prior to final payment.

30.9.1 Upon issuance of the Certificate of Final Completion by the Owner and submittal by the Construction Manager of all required documents and releases, all retained amounts shall be paid to the Construction Manager as part of the Final Payment. By accepting such payment, the Construction Manager certifies that all amounts due or that may become due to any Sub-contractor, any Consultant of the Construction Manager, or any vendors or material suppliers, have been paid or will be paid from the proceeds of the final payment; and that, further, there are not liens, claims or disputes involving the Owner or the Consultant that are outstanding or unresolved.

30.10 The Construction Manager shall promptly pay each Sub-contractor and material supplier upon receipt of payment from the Owner the amount to which said Sub-contractor and supplier is entitled, reflecting the percentage actually retained from payments to the Construction Manager on account of such Sub-contractor's work. The Construction Manager shall, by an appropriate Agreement with each Sub-contractor and material supplier, require each Sub-contractor and supplier to make payments to their sub-contractors, vendors and suppliers in similar manner.

The Consultant may, on request, furnish to any Sub-contractor or material supplier information regarding the percentages of completion applied for by the Construction Manager and the action thereon by the Consultant.

30.10.2 Neither the Owner nor the Consultant shall have any obligation to make payment to any Sub-contractor or material supplier except as may otherwise be required by law.

ARTICLE 31 - AUDITS

31.1 The Construction Manager's Trade Contractors', sub-contractors' and/or vendor's "records" shall upon reasonable notice be open to inspection and subject to audit and/or reproduction during normal business working hours as may be deemed necessary by the Owner at its sole discretion. Such audits may be performed by an Owner's representative or an outside representative engaged by the Owner. The Owner or its designee may conduct such audits or inspections throughout the term of this contract and for a period of three years after final payment, or longer if required by law. Owner's representative may (without limitation) conduct verifications such as counting employees at the Construction Site, witnessing the distribution of payroll, verifying information and amounts through interviews and written confirmations with Construction Manager's employees, field and agency labor, Trade Contractors and vendors.

31.2 "Records" as referred to in this Contract shall include any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, superintendents' reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in the Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by any Contract Document. Such records shall include hard copy, as well as computer readable data if it can be made available, written policies and procedures; time sheets; payroll registers; cancelled payroll checks; subcontract files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); original estimates; estimating work sheets; correspondence; change order files (including documentation covering negotiated settlements); back charge logs and supporting documentation; invoices and related payment documentation; general ledger; records detailing cash and trade discounts earned; insurance rebates and dividends; and any other Construction Manager or contractor records which may have a bearing on matters of interest to the Owner in connection with the Construction Manager's dealings with the Owner (all foregoing hereinafter referred to as the "records") to the extent necessary to adequately permit evaluation and verification of any or all of the following:

- Compliance with Contract requirements for deliverables;
- Compliance with approved plans and specifications;
- Compliance with Owner's business ethics expectations;
- Compliance with Contract provisions regarding the pricing of change orders;
- Accuracy of Construction Manager representations regarding pricing of invoices; and
- Accuracy of Construction Manager representations related to claims submitted by the Construction Manager or its payees.

31.3 The Construction Manager shall require all payees (examples of payees include Trade Contractors, Sub-contractors, vendors, and/or material suppliers) to comply with the provisions of this Article by including the requirements hereof in a written contract agreement between the Construction Manager and payees. Such requirements to include flow-down right of audit provisions in contracts with payees will also apply to Subcontractors and Sub-subcontractors, material suppliers, etc. The Construction Manager will cooperate fully and will cause all related parties and all of the Construction Manager's Trade Contractors and/or subcontractors (including those entering into lump sum subcontracts) to cooperate fully in furnishing or in making available to Owner from time to time whenever requested, in an expeditious manner, any and all such information, materials and data.

31.4 Owner's authorized representative or designee shall have reasonable access to the Construction Manager's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to the performance of this contract and shall provide adequate and appropriate work space in order to conduct audits in compliance with this Article. The Construction Manager and its payees agree bear their costs and expenses relating to any inspections and audits.

31.5 If an audit inspection or examination in accordance with this Article discovers any fraud or misrepresentation, or discloses overpricing or overcharges (of any nature) by the Construction Manager to the Owner, in addition to making adjustments for the overcharges, the reasonable actual cost of the Owner's audit shall be reimbursed to the Owner by the Construction Manager. Any adjustments and/or payments that must be made as a result of any such audit or inspection of the Construction Manager's invoices and/or records shall be made within Ninety (90) Calendar Days from presentation of the Owner's findings to the Construction Manager.

31.6 The provisions of Articles 31.1, 31.2 and 31.5 notwithstanding, the Owner shall have the right to conduct inspections and audits of any matter relating to the Contract Documents or the Work, which shall be for the Owner's sole benefit and shall not relieve the Construction manager, its sureties, contractors, subcontractors suppliers and their respective employees and agents of any obligations under the Contract Documents.

31.7 Any audits or inspections under Article 31 shall not constitute a waiver of any right the Owner has to accounting or discovery of records in the possession, custody or control of the Construction Manager, its sureties, contractors, subcontractors, vendors and their respective employees and agents

ARTICLE 32 - PROGRESS & SCHEDULING

32.1 If requested by the Owner during the Design Phase of the Project, and working in cooperation with the Owner and the Consultant(s), the Construction Manager shall prepare a Critical Path Method (CPM) type Design Phase schedule incorporating design phase and review activities through completion of the design and bidding of the Trade Contracts, shall include in this Design Phase schedule the broad categories of Work to be accomplished in the subsequent implementation of the design and construction of the Project, and shall modify and update this Design Phase schedule as necessary to reflect the actual status and then current plan for the Project.

32.2 The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. If approved by the University, and at the sole discretion of the University, schedules submitted using earlier versions of Primavera scheduling software (Primavera SureTrak or Primavera P3) may be converted to Primavera P6 format by the University for review purposes. However, the University will not be responsible for any inaccuracies that may result from such conversions.

32.2.1 Prior to bidding Trade Contracts, the Construction Manager shall prepare and submit to the Owner and the Consultant a preliminary CPM construction schedule for the Work that will be included in the Project bidding documents.

3.2.2.2 The schedules submitted for this Project shall coordinate Work in accordance with all schedules included in the Owner's approved Program. Construction work shall be scheduled and executed such that operations of the University are given first priority. This applies particularly to outages and restriction of access.

32.2.3 The schedules submitted for this Project shall not exceed time limits established for the Project. Schedules which reflect a duration less than the Contract Time are for the convenience of the Construction Manager and shall not be the basis of any claim for delay or extension of time.

32.2.4 Schedules shall be revised at appropriate intervals as required by the condition of the Work and the Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

32.2.5 The Construction Manager shall also submit a payment schedule indicating the percentage of the Contract Amount and the amount of the anticipated monthly payments that will be requested as the Project proceeds.

32.2.6 The Owner may withhold approval of all or a portion of progress payments until the progress payment schedule and construction schedule have been submitted by the Construction Manager.

32.3 The Construction Manager shall prepare and keep current, for the Consultant's approval, a separate schedule of submittals coordinated with the Construction Manager's CPM construction schedule that provides reasonable time for the Consultant to review the submittals.

32.4 The Construction Manager shall cause the work to be performed pursuant to the most recent schedules.

ARTICLE 33 - USE OF COMPLETED PORTIONS

33.1 Upon mutual Agreement between the Owner, Construction Manager, and Consultant, the Owner may use a completed portion of the Project after an inspection is made. Such possession and use shall not be deemed as acceptance of any Work not completed in accordance with the Contract Documents, nor shall such possession and use be considered to alter warranty obligations or cause any warranty period to commence prior to Substantial Completion.

ARTICLE 34 - INDEMNIFICATION

34.1 To the fullest extent permitted by law, the Construction Manager shall indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from and against all claims, damages, losses and expenses, including attorney's fees, provided that any such claim, loss, damage or expense: (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of the Construction Manager, any Sub-contractor or material supplier, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. This basic obligation to indemnify shall not be construed to nullify or reduce other indemnification rights which the Owner, its consultants, and their respective employees and agents would otherwise have.

34.2 The Construction Manager shall also indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from any claims relating to the Project brought against the Owner, its consultants, and their respective employees and agents by any Sub-contractor unless such claims are due to the gross negligence or misconduct of the Owner or Consultant.

34.3 In any and all claims against the Owner its consultants, and their respective employees and agents, by any employee of the Construction Manager, any Sub-contractor, any one directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Article shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Construction Manager or any Sub-contractor under Worker's Compensation acts, disability benefit acts or other employee benefit acts.

34.4 The obligations of the Construction Manager under this Article shall not extend to the liability of the Consultant, his agents or employees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications, or (2) the

giving of or the failure to give directions or instructions by the Consultant, his agents or employees, provided such giving or failure to give is the primary cause of injury or damage.

ARTICLE 35 - INSURANCE

35.1 The Construction Manager shall furnish the Owner the Certificates of Insurance or other acceptable evidence that insurance is effective, and guarantee the maintenance of such coverage during the term of the Contract. Each policy of insurance, except Workers Compensation, shall name the University of Kentucky and the directors, officers, trustees and employees of the University as additional insured on a primary and non-contributory basis as their interest appears. Waiver of subrogation in favor of the University of Kentucky shall apply to all policies. Any endorsements required to validate such waiver of subrogation shall be obtained by the Construction Manager at the Construction Manager's expense.

35.2 The Construction Manager shall not commence, nor allow any Sub-contractor to commence Work under this Contract, until the Owner has reviewed the certificates and approved coverages and limits as satisfying the requirements of the bidding process.

35.3 Workers' Compensation and Employers' Liability Insurance. The Construction Manager shall acquire and maintain Workers' Compensation insurance with Kentucky's statutory limits and Employers' Liability insurance as defined in the Special Conditions for all employees who will be working at the Project site. In the event any Work is sublet, the Construction Manager shall require any Sub-contractor to provide proof of this insurance for the Sub-contractors' employees, unless such employees are covered by insurance provided by the Construction Manager.

35.4. The Construction Manager shall either require each Sub-contractor to procure and maintain insurance of the type and limits stated during the terms of the Contract, or insure the activities of such Sub-contractors under a blanket form as described below:

35.4.1 Commercial General Liability Insurance. The Construction Manager shall acquire and maintain a Broad Form Comprehensive General Liability (CGL) Insurance Policy including premises - operations, products/completed operations, blanket contractual, broad form property damage, real property fire legal liability and personal injury liability coverage. The Insurance Policy must be on an "occurrence" form only, unless approved by the Owner. Contractual liability must be endorsed to include defense costs. Products and completed operations insurance must be carried for two years following completion of the Work. Policies which contain Absolute Pollution Exclusion endorsements are not acceptable. Coverage must include pollution from "hostile fires". Where required by the risks involved, Explosion, Collapse and Underground (XCU) coverages shall be added by endorsement. If the work involved requires the use of helicopters, a separate aviation liability policy as defined in the Special Conditions will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits as defined in the Special Conditions will be required.

35.4.1.1 The limits of liability shall not be less than defined in the Special Conditions.

35.4.2 Comprehensive Automobile Liability Insurance. The Construction Manager shall show proof and guarantee the maintenance of insurance to cover all owned, hired, leased or non-owned vehicles used on the Project. Coverage shall be for all vehicles including off the road tractors, cranes and rigging equipment and include pollution liability from vehicle upset or overturn. Policy limits shall not be less than defined in the Special Conditions.

35.4.3 **Excess or Umbrella Liability Insurance.** The Construction Manager shall acquire and maintain a policy of excess liability insurance in an umbrella form for excess coverages over the required primary policies of broad form commercial general liability insurance, business automobile liability insurance and employers' liability insurance. This policy shall have a minimum as defined in the Special Conditions for each occurrence in excess of the applicable limits in the primary policies. The excess liability policy shall not contain an absolute pollution exclusion and shall include coverages for pollution that may occur due to hostile fires and vehicle upset and overturn. The limits shall be increased as appropriate to cover any anticipated special exposures.

35.5 **Builders Risk Insurance.** The Construction Manager shall purchase and maintain an "all risk" Builder's Risk Insurance policy upon the Work at the site to the full insurable value thereof. Such insurance shall include interests of the Owner, Construction Manager, and all Sub-contractors and of their subcontractors. It shall insure against perils of fire, extended coverage, vandalism and malicious mischief. Construction Manager's work performed, and materials to be incorporated into the project and stored on the jobsite, will be covered. Builder's Risk does not include temporary buildings, or Construction Manager or Construction Manager's tools, equipment, or trailers and contents.

35.6 **Insurance Agent and Company Insurance** as required in the bidding process of the Project shall be written according to applicable state law in Kentucky. The policies shall be written by an insurer duly authorized to do business in Kentucky in compliance with KRS: 304.1-.100 and -110.

ARTICLE 36 - PERFORMANCE AND PAYMENT BONDS

36.1 The Construction Manager shall furnish a Performance Bond in the form provided in the Contract Documents in the full amount of the Contract Amount as security for the faithful performance of the Contract. The Construction Manager shall also furnish a Payment Bond in the form provided in the Contract Documents in the full amount of the Contract Amount for the protection of all persons performing labor or furnishing materials, equipment or supplies for the Construction Manager or its Sub-contractors for the performance of the Work provided for in the Contract, including security for payment of all unemployment contributions which become due and payable under Kentucky Unemployment Insurance Law.

36.2 Each bond furnished by the Construction manager shall incorporate by reference the terms of the Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Amount is adjusted by Change Order, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amounts.

36.3 The performance and payment bonds shall be executed by a surety company authorized to do business in the Commonwealth of Kentucky, and the contract instrument of bonds must be countersigned by a duly appointed and licensed resident agent.

ARTICLE 37 - DAMAGED FACILITIES

37.1 The Construction Manager shall repair or replace, at no expense to the Owner, any damaged section of existing buildings, paving, landscaping, streets, drives, utilities, watersheds, etc. caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors or by material suppliers. Such repair or replacement shall be performed by craftsmen skilled and experienced in the trade or craft for the original Work.

37.2 Water damage to the interior of any building caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors, or by material suppliers, and whether occurring in a new or existing building, shall be repaired by the

Construction Manager at the Construction Manager's expense, and any materials damaged inside the building, including personal property, shall be repaired or replaced at the full replacement cost by the Construction Manager at the Construction Manager's expense.

37.3 For existing buildings, the Construction Manager, along with the Owner's Representative and Consultant, will tour the Project site to evaluate existing conditions and determine any existing damage before any Work on this Contract is done.

37.4 Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the Work/repairs completed and deduct the cost of such Work/repairs from amounts due or to become due to the Construction Manager. If the Owner deems it not expedient to repair the damaged Work, or if repairs are not done in accordance with the Contract, an equitable deduction from the Contract price shall be made.

ARTICLE 38 - CLAIMS & DISPUTE RESOLUTION

38.1 All Construction Manager's claims and disputes shall be referred to the Consultant for review and recommendation. All claims shall be made in writing to the Consultant and to the Owner's Project Manager not more than ten (10) days from the occurrence of the event which gives rise to the claim or dispute, or not more than ten (10) days from the date that the Construction Manager knew or should have known of the claim or dispute. Unless the claim is made in accordance with these requirements, it shall be waived. Any claim not submitted before Final Payment shall be waived. The Consultant shall render a written decision within fifteen (15) days following receipt of a written demand for the resolution of a claim or dispute.

38.1.1 The provisions of Article 43.2 notwithstanding, claims and disputes between the Construction Manager and any Sub-contractor or supplier shall not be referred to the Consultant except to request interpretation and/or clarification of the intent of the plans or specifications. Such claims and disputes between the Construction Manager and any Sub-contractor shall be resolved between those parties as required by Article 43.4 of these General Conditions.

38.2 The Consultant's decision shall be final and binding on the Construction Manager unless the Construction Manager submits to the Consultant and the Owner's Project Manager a written notice of appeal within fifteen (15) Calendar Days of the Consultant's decision. The Construction Manager must present within fifteen (15) Calendar Days of such notice to appeal a narrative claim in writing with complete supporting documentation. After receiving the written claim, the Project Manager will review the materials relating to the claim and may meet with the Consultant and/or the Construction Manager to discuss the merits of the claim. The Project Manager will render a decision within thirty (30) Calendar Days after receiving the written claim and supporting documentation. The decision of the Project Manager shall be final and binding pending further appeal as provided for in Article 39. If the Consultant or the Project Manager do not issue a written decision within thirty (30) calendar days after receiving the claim and supporting documentation, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

38.3 If the Project Manager does not agree with the Consultant's decision on a claim by the Construction Manager, the Project Manager shall notify the Construction Manager and the Consultant and direct the Construction Manager to perform the Work about which the claim was made and the Construction Manager shall proceed with such Work in accordance with the Project Manager's instruction. If the Construction Manager disagrees with a decision of the Project Manager concerning a Construction Manager's claim, the Construction Manager shall proceed with the Work as indicated by the Project Manager's decision.

38.4 The Construction Manager shall continue to diligently pursue Work under the Contract pending resolution of any dispute, and the Owner shall continue to pay for undisputed work in place.

ARTICLE 39 - CLAIMS FOR DAMAGE

39.1 Should either party to the Contract suffer damage because of wrongful act or neglect of the other party, or of anyone employed by them, or others for whose act they are legally liable, or if other controversy should arise under the Contract, such claim or controversy shall be made in writing to the other party within thirty (30) days after the first occurrence of the event. Prior to the institution of any action in court, the claim or controversy (together with supporting data) shall be presented in writing to the Director of the Capital Project Management Division at the University of Kentucky ("Director") or his designee. The Director, or designee, is authorized, subject to any limitations or conditions imposed by regulations, to settle, comprise, pay, or otherwise adjust the claim or controversy with the Construction Manager. The Director, or designee, shall promptly issue a decision in writing. A copy of the decision shall be mailed or otherwise furnished to the Construction Manager. The decision rendered shall be final and conclusive unless the Construction Manager files suit pursuant to KRS 45A.245. If the Director, or designee, does not issue a written decision within one hundred and twenty (120) days after written request for a final decision, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

39.2 Any legal action on the Contract shall be brought in the Franklin Circuit Court and shall be tried by the Court sitting without a jury. All defenses in law or equity, except the defense of government immunity, shall be preserved to the Owner. The Owner shall recover from the Construction Manager all attorney's fees, costs and expenses incurred to the extent the Owner prevails in defending or prosecuting each claim in litigation of disputes under the Contract. The Owner is the prevailing party under this provision and is entitled to recover attorneys' fees, costs and expenses on a claim-by-claim basis to the extent the Owner successfully defeats or prosecutes each claim. A recovery of a net judgment by the Construction Manager shall not be determinative of the Owner's right to recover attorneys' fees, expenses and costs. Rather, such a determination shall be made based on the extent that the Owner successfully defends or prosecutes each distinct claim in litigation under the Contract, even if the Owner does not prevail on every claim. The Construction Manager shall be liable to the Owner for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

ARTICLE 40 - LIENS

40.1 The filing and perfection of liens for labor, materials, supplies, and rental equipment supplied on the Work are governed by KRS 376.195 et seq.

40.2 Statements of lien shall be filed with the Fayette County Clerk and any action to enforce the same must be instituted in the Fayette Circuit Court, pursuant to KRS 376.250 (5).

40.3 The lien shall attach only to any unpaid balance due the Construction Manager for the improvement from the time a copy of statement of lien, attested by the Fayette County Clerk, is delivered to the Owner, pursuant to the provisions of KRS 376.240.

ARTICLE 41 - ASSIGNMENT

41.1 Neither party to the Contract shall assign the Contract, or any portion thereof without the prior written consent of the other, which consent may be granted or withheld in the granting party's

sole and absolute discretion. The Construction Manager shall not assign any amount or part of the Contract or any of the funds to be received under the Contract unless the Construction Manager has the prior written approval of the Owner (which approval may be granted or withheld in the Owner's sole and absolute discretion) and the Surety on the Construction Manager's bond has given written consent to any such assignment.

ARTICLE 42 - SEPARATE CONTRACTS

42.1 The Owner reserves the right to enter into other Contracts in connection with the Project or to perform any work with the Owner's forces in the normal sequence of the work as depicted in the then current construction schedule. Except for work performed by University personnel, such contracts shall be assignable to the Construction Manager and shall contain the same terms and conditions as the contracts between the Construction Manager and the Sub-contractors. The Construction Manager will be entitled to a maximum of three percent (3%) overhead and profit on the value of such assigned contracts. The Construction Manager shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate its Work with theirs in such manner as the Consultant may direct.

42.2 Should the Construction Manager cause damage to any separate contractor on the Work, and the separate contractor sues the Owner on account of any damage alleged to have been so sustained, the Construction Manager shall be responsible for all costs, attorney's fees and expenses incurred by the Owner for defending such proceedings unless the Owner prevails on behalf of the Construction Manager in which case fees and expenses will be the responsibility of the separate contractor and if any judgment against the Owner arises therefrom, the Construction Manager shall pay or satisfy it and shall pay all costs, attorney's fees and expenses incurred by the Owner.

42.3 If any part of the Construction Manager's Work depends upon the work of any other separate contractor, the Construction Manager shall promptly report to the Consultant any observed defects in such work that render it unsuitable for proper execution connection. The failure to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of the work, except as to defects which may develop in the other contractor's work after the execution of the work.

42.4 Whenever work being done by the Owner's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various parties involved shall be established by the Owner to secure the completion of the various portions of the Work in general harmony.

ARTICLE 43 - CONSTRUCTION MANAGER/SUB-CONTRACTOR RELATIONSHIP

43.1 The Construction Manager is fully responsible to the Owner for the acts and omissions of the Sub-contractors and of persons either directly or indirectly employed by them. The Construction Manager is responsible for the acts and omissions of persons employed directly by the Construction Manager and for the coordination of the Work, including placement and fittings of the various component parts. No claims for extra costs as a result of the failure to coordinate the Work, or by acts or omissions of the various Sub-contractors, will be paid by the Owner.

43.2 Except as otherwise provided in these Contract Documents, the Construction Manager agrees to bind every Sub-contractor by the terms and conditions of the Contract Documents as far as applicable to their portion of the Work. Upon request, the Construction Manager shall provide copies of any subcontracts and purchase orders to the Owner or Consultant.

43.3 The Construction Manager shall make no substitution or change in any Sub-contractor listed and accepted by the Consultant or Owner except as approved in writing by the Owner. The Construction Manager shall not employ any Sub-contractor or supplier against whom the Owner or the Consultant has made reasonable and timely objection. The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories unless a subcontractor fails to perform and upon prior approval by the Universities authorized representatives.”

43.4 Nothing contained in the Contract Documents shall create any contractual relationship between the Owner and any Sub-contractor, Trade Contractor or Supplier, nor shall the Construction Manager include any language in their contracts with any Sub-contractor, Trade Contractor and/or Supplier that might imply such a relationship. The Construction Manager is hereby notified that it is the Construction Manager's contractual obligation to settle disputes between Sub-contractors, Trade Contractors, and/or Suppliers. Neither the Owner nor the Consultant will settle disputes between the Construction Manager and any Sub-contractor, Trade Contractor, and/or Supplier or between Sub-contractors, Trade Contractors, and/or Suppliers.

43.4.1 The Owner does not waive sovereign immunity under KRS 45A.245(1) for any claim or claims made by parties not having a written contract with the University of Kentucky.

43.4.2 Third party and/or flow-through type claims, from Sub-contractors and/or suppliers or any other entity not having a written contract directly with the University, are specifically prohibited by this Contract and no provision of the Construction Manager’s contracts with such entities shall indicate otherwise.

43.4.3 The Construction Manager shall indemnify and hold harmless the Owner and its agents and employees from any claims relating to the Project brought against the Owner by any of the Construction Manager’s Sub-contractors or suppliers, or between their sub-contractors or suppliers.

ARTICLE 44 - CASH ALLOWANCE

44.1 The Construction Manager is to provide or require the Sub-contractor(s) to include in the Contract Amount all costs necessary to complete the Work. Costs based on “allowances” shall be permitted only for objectively quantifiable material items and only with the prior written approval of the Owner.

ARTICLE 45 - PROJECT SITE LIMITS

45.1 The Construction Manager shall confine the apparatus, the storage of materials, and the operations of Workmen to Project site limits indicated in the Contract Documents and as permitted by law, ordinances, and permits, and shall not unreasonably encumber the site with materials and equipment.

ARTICLE 46 - CLEAN UP

46.1 The Construction Manager shall at all times keep the premises free from accumulation of waste material or rubbish caused by the operations in connection with the Work. All corridors and exit doors must be kept clear at all times. All exit ways, walks, and drives must be kept free of debris, materials, tools and vehicles.

46.2 At the completion of the Work, and prior to final inspection and acceptance, the Construction Manager shall remove all remaining waste materials, rubbish, Construction Manager's construction equipment, tools, machinery, and surplus materials and shall leave the Work in a clean and usable

condition, satisfactory to the Consultant and the Owner. If the Construction Manager fails to clean up as provided in the Contract Documents, the Owner may perform the cleaning tasks and charge the cost to the Construction Manager.

ARTICLE 47 - POINTS OF REFERENCE

47.1 The Construction Manager shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, the Construction Manager shall be charged with the resulting expense of replacement and shall be responsible for any mistake that may be caused by their loss or disturbance.

ARTICLE 48 - SUBSTITUTION - MATERIALS AND EQUIPMENT

48.1 Reference to or the listing of items to be incorporated in the construction without referring to any specific article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number shall be interpreted as establishing the general intent of the Contract and the general standard of quality for that item.

48.2 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, with the words "or equal", shall be interpreted as establishing a minimum standard of quality, and shall not be construed as limiting competition.

48.2.1 Substitution of other equipment and materials as "or equal" to items named in the specifications will be allowed provided the proposed substitution is approved by the Consultant and will perform the functions called for by the general design, be similar and of equal quality to that specified and be suited to the same use and capable of performing the same function of that specified. The Construction Manager has the burden to prove equality of any substitution requested.

48.3 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, without the words "or equal", shall be interpreted as defining an item or source that has after careful consideration been determined by the University as necessary to be compliant with, and/or to function properly within, the University operational system. No substitutions will be allowed.

48.3.1 In the event the Contract Documents contain specific reference to two or more items as described in Article 48.3, any of those listed will be acceptable.

48.4 Substitution of equipment and materials previously submitted by the Construction Manager and approved by the Consultant will be considered only for the following reasons:

48.4.1 Unavailability of the materials or equipment due to conditions beyond the control of the supplier.

48.4.2 Inability of the supplier to meet Contract Schedule.

48.4.3 Technical noncompliance to specifications.

48.5 In substituting materials or equipment, the Construction Manager assumes responsibility for any changes in systems or modifications required in adjacent or related work to accommodate such substitutions, despite consultant approval, and all costs associated with the substitution shall be the

responsibility of the Construction Manager. The Consultant shall be reimbursed by the Construction Manager for any architectural or engineering revisions required as the result of such substitutions.

48.6 Inclusion of a certain make or type of materials or equipment in the Construction Manager's bid proposal shall not obligate the Owner to accept such materials or equipment if they do not meet the requirements of the Contract Documents and any such substitutions in the preparation of the bid without written approval shall be at the sole risk of the Construction Manager.

ARTICLE 49 - TEST AND INSPECTION

49.1 Regulatory agencies of the government having jurisdiction may require any Work to be inspected, tested or approved. The Construction Manager shall assume full responsibility therefore, pay all costs in connection therewith, unless otherwise noted, and furnish the Consultant the required certificates of inspection, testing or approval.

49.2 The Construction Manager shall give the Consultant timely notice of readiness of the Work for all inspections, tests or approvals.

49.3 The technical specifications may indicate specific testing requirements to be performed by the Construction Manager. Unless otherwise provided in the Contract Documents, the cost of all such testing shall be the responsibility of the Construction Manager. Testing shall be completed using a testing facility or laboratory approved by the Owner.

49.4 The costs of all inspection fees as may be required to construct and occupy the Work shall be the responsibility of the Construction Manager.

ARTICLE 50 - WARRANTY

50.1 The Construction Manager warrants to the Owner and the Consultant that all materials and equipment furnished under this Contract shall be new and in accordance with the requirements of the Contract Documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents. If required by the Consultant or the Owner, the Construction Manager shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If the Construction Manager requests approval of a substitution of material or equipment, the Construction Manager warrants that such installation, construction, material, or equipment will equally perform the function for which the original material or equipment was specified. The Construction Manager explicitly warrants the merchantability, the fitness for a particular purpose, and quality of all substituted items in addition to any warranty given by the manufacturer and/or supplier. Approval of any such substitution is understood to rely on such warrant of performance. Prior to the Substantial Completion inspection, the Construction Manager shall deliver to the Consultant all warranties and operating instructions required under the Contract or to which the Construction Manager is entitled from manufacturers, suppliers, and Sub-contractors. All warranties for products and materials incorporated into the Work shall begin on the date of Substantial Completion. The warranty provided in this Article 50 shall be in addition to and not a limitation of any other warranty or remedy required by law or by the Contract Documents, and such warranty shall be interpreted to require the Construction Manager to replace defective material and equipment and re-execute defective Work which is disclosed to the Construction Manager by or on behalf of the Owner within a period of one (1) year after Substantial Completion of the entire Work in addition to other warranty obligations beyond one year from Substantial Completion as provided for by law or by the Contract Documents.

50.2 Neither the final payment, any provision in the Contract Documents nor partial or entire use or occupancy of the premises by the Owner shall constitute an acceptance of Work not done in accordance with Contract Documents or relieve the Construction Manager or its Sureties of liability with respect to any warranties or responsibilities for faulty materials and workmanship. The Construction Manager or its sureties shall remedy any defects in Work and any resulting damage to Work at the Construction Manager's own expense. The Construction Manager shall be liable for correction of all damage resulting from defective Work. If the Construction Manager fails to remedy any defects or damage, the Owner may correct Work or repair damages and the cost and expense incurred in such event shall be paid by or be recoverable from the Construction Manager or the surety. The Owner will give notice of observed defects with reasonable promptness.

50.3 The Construction Manager shall guarantee that labor, material, and equipment will be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract pursuant to Article 23 in addition to warranty obligations which extend beyond one year from Substantial Completion. The Owner will give notice of observed defects with reasonable promptness. Expendable items and wear from ordinary use are excluded from this warranty.

50.4 Should the Construction Manager be required to perform tests that must be delayed due to climate conditions, it is understood that such tests will be accomplished by the Construction Manager at the earliest possible date with provisions of the general warranty beginning upon satisfactory completion of said test. The responsibility of the Construction Manager under this Article will not be abrogated if the Owner should elect to initiate final payment. If the Owner initiates final payment, consent of Construction Manager's surety acknowledging that Work not yet tested is required. The Construction Manager shall warrant that the entire Project will conform to the Contract Documents.

50.5 In addition to the foregoing, the Construction Manager shall warrant for a period of one (1) year that all buildings and other improvements constructed as a part of the Work shall be watertight and leak proof at every point and in every area. The Construction Manager shall, immediately upon notification by or on behalf of the Owner of water penetration, determine the source of water penetration and, at the Construction Manager's expense, (a) do any work necessary to make such buildings or improvements watertight and (b) repair and replace any other damaged material, finishes and furnishings damaged as a result of such water penetration and return the buildings or other improvements to their original condition.

50.6 The Construction Manager shall address and resolve to the Owner's satisfaction any warranty claims made by or on behalf of the Owner during the above described warranty period and all repairs and replacements made by the Construction Manager pursuant to this Article 50 shall be warranted by the Construction Manager, on the terms set forth in this Article 50, for a period of time commencing upon the completion of such repairs and replacements and ending on the later of (a) the expiration of the one (1) year warranty period provided for above or (b) six (6) months after the date such repair or replacement is completed.

50.7 All costs, attorney's fees and expenses incurred by the Owner as a result of the Construction Manager's failure to honor any warranty for the Work shall be paid by or recoverable from the Construction Manager.

ARTICLE 51 - PREVAILING WAGE LAW REQUIREMENTS (NO LONGER USED AS OF 1/9/17)

ARTICLE 52 - APPRENTICES

52.1 Apprentices (for all classifications of work) shall be permitted to work only under an apprenticeship agreement approved by the Kentucky Supervisor of Apprenticeship and by the Kentucky Apprenticeship and Training, United States Department of Labor.

ARTICLE 53 - GOVERNING LAW

53.1 This Contract and all issues and disputes arising out of this Contract shall be governed by, construed and enforced in accordance with the laws of the Commonwealth of Kentucky without consideration of its conflicts of laws principles.

ARTICLE 54 - NONDISCRIMINATION IN EMPLOYMENT

54.1 During the performance of the Contract, the Construction Manager agrees as follows:

54.1.1 The Construction Manager will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, national origin, or disability in employment. The Construction Manager will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, age, national origin, or disability in employment. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Construction Manager agrees to post in conspicuous places available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

54.1.2 The Construction Manager will, in all solicitations or advertisements for employees placed by or on behalf of the Construction Manager; state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin or disability in employment.

54.1.3 The Construction Manager will send to each labor union or representatives of workers with which it has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Construction Manager's commitments under this Article, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

54.2 Failure to comply with the above nondiscrimination clause constitutes a material breach of Contract.

ARTICLE 55 - AFFIRMATIVE ACTION; REPORTING REQUIREMENTS

55.1 The Construction Manager and any Sub-contractor is exempt from any affirmative action or reporting requirements, under the Kentucky Equal Employment Opportunity Act of 1978, KRS 45.550 to KRS 45.640 "The Act", if any of the following conditions are applicable:

55.1.1 The Trade Contract awarded is in the amount of two hundred and fifty thousand dollars (\$250,000.00) or less, and the amount of the Trade Contract is not a subterfuge to avoid compliance with the provisions of the Act;

55.1.2 The Construction Manager or Sub-contractor utilizes the services of fewer than eight (8) employees during the course of the Contract;

55.1.3 The Construction Manager or Sub-contractor employs only family members or relatives;

55.1.4 The Construction Manager or Sub-contractor employs only persons having a direct ownership interest in the business and such interest is not a subterfuge to avoid compliance with the provisions of The Act.

55.2 The Construction Manager and any Sub-contractor, not otherwise exempted, shall:

55.2.1 For the length of the Contract, hire DBE's from within the drawing area to satisfy the agreed upon goals and timetables. Should the union with which the General Contractor or Sub-contractor have collective bargaining agreements be unwilling to provide sufficient DBE's to satisfy the agreed upon goals and timetables, the General Contractor and Sub-contractors shall hire DBE's from other sources within the drawing area.

Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled. MBE, WBE, Veterans, Disabled Veterans and Disabled make up Diverse Business Enterprises (DBE)

55.2.2 The equal employment provisions of The Act may be met in part by the Construction Manager contracting to a DBE contractor or Sub-contractor. A DBE contractor, or Sub-contractor shall mean a business established under the definition of a DBE in Article 55.2.1

55.2.3 The Construction Manager shall, for the length of the Contract, furnish such information as required by The Act and by such rules, regulations and orders issued pursuant thereto and will permit access by the contracting agency and the department to all books and records pertaining to its employment practices and Work sites for purposes of investigation to ascertain compliance with The Act and such rules, regulations and orders issued pursuant thereto.

55.3 If the Construction Manager is found to have committed an unlawful practice against a provision of The Act during the course of performing under this Contract, a Trade Contract or a subcontract covered under The Act, the Owner may cancel or terminate the Contract, conditioned upon a program for future compliance approved by the Owner. The Owner may also declare such Construction Manager ineligible to submit proposals on further contracts until such time as the Construction Manager complies in full with the requirements of The Act.

55.4 Any provisions of The Act notwithstanding, the Construction Manager shall not be required to terminate an existing employee, upon proof that employee was employed prior to the date of the Contract, nor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

END OF DOCUMENT

ATTACHMENT B

AGREEMENT BETWEEN
UNIVERSITY OF KENTUCKY
AND CONSTRUCTION MANAGER AT RISK

THIS AGREEMENT, made the _____ day of _____ 2023 by and between _____ ("Construction Manager"), and the UNIVERSITY OF KENTUCKY, ("Owner"), is to bind the parties hereto to the principles and terms set forth herein, and shall be binding upon the parties hereto.

WITNESSETH, that the Construction Manager and Owner for the consideration hereinafter named, agree as follows:

ARTICLE No. 1 SCOPE OF WORK:

Construction Management Services to Construct Ambulatory Facility- UKHC
Cancer Treatment Center/ Ambulatory Surgery Center

PROJECT: Project #2563.0 Construction Management Services to Construct Ambulatory Facility- UKHC Cancer Treatment Center/ Ambulatory Surgery Center (the "Project")

The Scope of Work consists of the Request for Proposal, UK-2304-23, dated November 16, 2022; the Construction Manager's Form of Proposal dated December 13, 2022, including Addendums 1,2,3 etc, the General Conditions, the Special Conditions, the Construction Manager's Bonds and Insurance and Affidavit, the Specifications, the Drawings including Supplemental Drawings and Change Orders issued after execution of the Contract for the Work described in Article No. 1 of this Agreement, all of which are incorporated in and made a part thereof of reference, and which shall be binding upon the Construction Manager and Owner.

ARTICLE No. 2 TIME OF COMPLETION:

The Construction Manager must begin Work specified by the written Work Order from the Owner. Substantial Completion for Project# 2563.0 shall be one thousand one hundred twenty-eight (1128) consecutive calendar days from the date of commencement as specified in the Work Order letter, and Final Completion shall be thirty (30) consecutive calendar days thereafter.

ARTICLE No. 3 LIQUIDATED DAMAGES:

3.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of Two Thousand Eight Hundred and Fifty Dollars (\$2,850.00) for each consecutive calendar day that Substantial Completion has not been met.

3.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of One Thousand Six Hundred and Fifty Dollars (\$1,650.00) for each consecutive calendar day until Final Completion is reached.

ARTICLE No. 4 THE CONTRACT AMOUNT:

Subject to additions and deductions for Change Orders made in accordance with the Contract Documents, the Owner shall pay the Construction Manager as full consideration for the Construction Manager's satisfactory performance of the Contract obligations the sum of _____ Dollars (\$_____).

ARTICLE No. 5 SPECIAL NOTICE:

The Construction Manger certifies that it is fully informed of the conditions relating to construction and labor under which the Work under this Agreement is to be performed, and agrees that it shall employ, methods and means in carrying out the Work so as not to interfere with or interrupt the Work of any other Contractor working on/or adjacent to the site for this Work.

IN WITNESS WHEREOF this Agreement is executed in two (2) counterparts, each one of which shall be deemed an original and adequate proof of this Agreement, on the date and year first herein before written.

WITNESS:

CONSTRUCTION MANAGER: _____

Company Name

BY: _____

Title: _____

Approved for Legality and Form

Recommended By:

APPROVED: _____

Kevin Locke
AVP Capital Planning, Design & Construction

UNIVERSITY OF KENTUCKY

By: _____

Eric Monday
Executive Vice President for Finance and
Administration

01000S01- Special Conditions – Construction Manager at Risk

UNIVERSITY OF KENTUCKY
SPECIAL CONDITIONS OF THE CONTRACT
FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK

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ARTICLE 01 GENERAL INFORMATION

1.1 These Special Conditions are intended to modify, supplement, or delete from, applicable Articles of the General Conditions.

1.2 Where any Article of the General Conditions is supplemented by these Special Conditions, the Article shall remain in effect and the supplement shall be added thereto.

1.3 Where Special Conditions conflict with General Conditions, provisions of the Special Conditions take precedence.

ARTICLE 02 PERMITS AND FEES

The Lexington Fayette Urban County Government (LFUCG) Sewer Tap Fee shall be secured and paid for by the Construction manager. The sewer tap fee is for all projects, regardless of type, is presently calculated by the LFUCG and is based on \$ 0.778 per square foot.

ARTICLE 03 (NOT USED)

ARTICLE 04 CONSULTANT

4.1 Wherever in these Contract Documents reference is made to the Consultant, it shall be understood to mean Champlin Architecture or their duly authorized representatives. (See Article 2 of the General Conditions.)

ARTICLE 05 GEOTECHNICAL REPORT

5.1 The Sub-Surface PRELIMINARY Geotechnical Report was prepared by Solid Ground Consulting Engineers. The report is included for information purposes only and is not a part of the Contract Documents. The Boring Logs, if any, are included for the Construction Manager's information but do not represent a warranty of subsurface conditions. Neither the Owner nor the Consultant will be responsible for interpretations or conclusions drawn from this report by the Construction Manager. This data is made available solely for the convenience of the Construction Manager.

ARTICLE 06 TIME FOR COMPLETION

6.1 The time for Substantial Completion as further defined in Article 1 of the General Conditions shall be **one thousand one hundred twenty-eight** (1128) consecutive calendar days from the date of commencement as specified in the Work Order letter, and Final Completion shall be **thirty** (30) consecutive calendar days thereafter.

ARTICLE 07 LIQUIDATED DAMAGES

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7.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of **Two Thousand Eight Hundred and Fifty Dollars (\$2,850.00)** for each consecutive calendar day that Substantial Completion has not been met. See Article 3 of the Agreement.

7.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of **One Thousand Six Hundred and Fifty Dollars (\$1,650.00)** for each consecutive calendar day until Final Completion is reached. See Article 3 of the Agreement.

ARTICLE 08 SUBMITTALS AND SHOP DRAWINGS

8.1 SUBMITTALS - GENERAL

8.1.1 The Construction Manager shall submit each set of Shop Drawings, product data, samples, and test and/or certification reports and samples as a separate item in UK E-Communication[®]. Projects not utilizing UK E-Communication[®] must submit all items electronically to the Consultant and the UK Project Manager and Administrative Coordinator.

8.1.2 All sample selections for color shall be submitted for approval at the same time. Color selections shall not be submitted individually.

8.1.3 Any deviation from the Contract Documents shall be noted on the transmittal form comment section.

8.1.4 All submittals are to be reviewed by the Construction Manager for compliance with the Contract Documents before submission for approval. All submittals are to be initiated by the Construction Manager. Submittals made directly to the Consultant by sub-contractors, manufacturers or suppliers will not be accepted or reviewed.

8.1.5 Re-submittals shall conspicuously note all changes from earlier submissions. Special notation by the Construction Manager shall be made to any changes other than those made in response to the Consultant's review.

8.1.6 Manufacturers shall, when requested by the Consultant, submit test reports prepared by reputable firms or laboratories certifying as to performance, operation, construction, wearability, etc., to support claims made by the manufacturer of the equipment or materials proposed for inclusion in the Work. Construction Manager shall also submit a list of three (3) installations where said equipment or materials have been in service for a minimum of five (5) years.

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8.2 SUBMISSIONS - REVIEW

8.2.1 Review of submittals is only for compliance with the design concept and the contract documents. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR CHECKING DEVIATIONS FROM CONTRACT DOCUMENT REQUIREMENTS OR CHANGES FROM EARLIER SUBMISSIONS NOT SPECIFICALLY NOTED.

8.2.2 The following shall be verified prior to making submittals:

Field Measurements, Field Construction Criteria, Catalog numbers and similar data, Quantities and Capacities, and Compliance with requirements, including verification of all dimensions,

8.2.3 Review Stamp designations shall be as follows:

8.2.3.1 "NET = No Exceptions Taken": Proceed with the Work, no corrections needed.

8.2.3.2 "FC= Furnish as Corrected": Proceed with the Work, noting the corrections/conditions of the approval.

8.2.3.3 "RR = Revise and Resubmit": Do not proceed with the Work, as the submittal does not comply with the Contract Documents. Revisions to the submittal are required for approval. On projects utilizing UK E-Communication, "Send Back a Step" is used in lieu of "Revise and Resubmit"

8.2.3.4 "R = rejected": Do not proceed with the Work, the submittal is rejected.

8.3 SUBMISSIONS - SPECIAL PROVISIONS

8.3.1 In making a submittal, the Construction Manager shall be deemed to be making the following representations:

8.3.1.1 The Construction Manager understands and agrees that he shall bear full responsibility for the products furnished. The Construction Manager expressly warrants that products described in the attached submittal will be usable and that they conform to the Contract requirements unless specifically noted otherwise.

8.3.1.2 The Construction Manager understands and agrees that, without assuming design responsibility, he expressly warrants that products described in the attached submittal are capable of being used in accordance with the intent of the design documents and that they conform to the Contract requirements unless specifically noted otherwise.

8.3.1.3 The Construction Manager acknowledges that the Owner will rely on the skill, judgment, and integrity of the Construction Manager as to conformance requirements and subsequent usability.

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8.4 SHOP DRAWING AND PROCUREMENT SUBMITTAL LOG

8.4.1 The Construction Manager, within ten (10) days after the Pre-Construction meeting, shall begin uploading submittals using UK E-Communication[®], to generate a log fixing the dates for submission of Shop Drawings, special order material items, certifications, guarantees, and any other items required to be submitted to the Consultant for review, approval or acceptance. Projects not utilizing UK E-Communication[®] will submit a Shop Drawing Log provided by the Owner during the Pre-Construction Meeting.

8.4.2 The log shall track all submittals to date. The updated log shall then be reviewed and discussed at each progress meeting to determine items that may impact the construction schedule.

8.5 Shop Drawings

8.5.1 The Construction Manager shall review, approve, and submit Shop Drawings to the Consultant, in accordance with the Consultant's Shop Drawing & Procurement Submittal Log or UK E-Communication[®], as herein detailed. By approving and submitting Shop Drawings, the Construction Manager represents that he has determined and verified all materials, field measurements, and field construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

8.5.2 The Construction Manager shall submit Shop Drawings required for the Work and the Consultant will review and take appropriate action. The review and approval shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The approval of a separate item will not indicate approval of the assembly in which the item functions.

8.5.3 The Construction Manager shall make any corrections required by the Consultant for compliance to the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions. The Construction Manager's stamp of approval on any shop drawing or sample shall constitute a representation to Owner and Design Consultant that the Construction Manager has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or he assumes full responsibility for doing so, and that he has reviewed or coordinated each shop drawing or sample with the requirements of the Work and the Contract Documents.

8.5.4 Where a shop drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been approved by the Design

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Consultant. A copy of each approved shop drawing and each approved sample shall be kept in good order by the Construction Manager at the site and shall be available to the Consultant.

8.5.5 The Consultant's approval of Shop Drawings or samples shall not relieve the Construction Manager from his responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any approval by the Consultant shall not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

8.5.6 All submittals are to be submitted electronically by the contractor. Shop Drawings submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Workflow in UK E-Communication® will be established during the workflow meeting. Each individual Shop Drawing shall have its respective specification number and description highlighted.

8.5.7 Where Shop Drawings include fire alarm, communication systems schematics, sprinkler systems, etc., a sepia of each drawing shall be submitted to the Consultant as part of the "Record" set of drawings.

8.6 SUBMISSIONS - SAMPLES

8.6.1 Office samples shall be of sufficient size and quantity to clearly illustrate functional characteristics of the product with integrally related parts and attachment devices, and full range of color, texture, and pattern.

8.6.2 Products shall not be used until the sample has been submitted to and approved by the Consultant.

8.6.3 A minimum of two (2) samples are required to be submitted to the Consultant for review and approval and will be distributed as follows:

- a) One to be retained by the University;
- b) One to be returned to the Design Consultant;
- c) An additional sample or samples may be submitted, at the Construction Manager's option, for distribution to a third party.

8.6.4 Field samples (block, brick, etc.) of materials to be constructed at the site shall be submitted for review as required by the individual section of the Contract Documents.

8.7 SUBMISSIONS - OPERATION AND MAINTENANCE MANUALS

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8.7.1 The University requires a minimum of one (1) digital copy of the final installation, training, operation, maintenance, and repair manuals to be turned over to the Owner's Project Manager and approved for content by the Consultant by or before the time construction is 75% complete. Projects utilizing e-Communication will create digital copy from the Document Library (Closeouts) in e-Communication. Operation and maintenance manuals and materials, where specified, for mechanical and electrical equipment and for operating items other than mechanical and electrical equipment must be submitted in PDF format with a separate PDF file for each item. In the event the Construction Manager fails to provide these required electronic submittals prior to reaching seventy-five (75%) completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

8.7.2 Manuals provided must be of sufficient detail to enable the Owner or others to install, calibrate, train, operate, maintain, service and repair every system, subsystem, and/or piece of equipment installed on or as part of this Contract. Manuals submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Each manual must contain:

8.7.2.1 Project Title, Project number, Location, dates of submittals, names, addresses and phone number for the Consultant, Construction Manager, and Construction Manager's Sub-contractors;

8.7.2.2 An Equipment Index that includes vendors' names, addresses, and telephone numbers for all equipment purchased on the Project;

8.7.2.3 Emergency instructions with phone numbers and names of contact persons on warranty items shall be uploaded to UK E-Communication®;

8.7.2.4 Copies of each system's air balancing record and each system's hydronic balancing record (1) physical copy and (1) digital copy in eCommunication;

8.7.2.5 Copy of valve tag list;

8.7.2.6 Copy of As-Built temperature control system drawings and components and sequence of operation;

8.7.2.7 Original copies of the following provided by the manufacturer:

Installation manuals	Instruction Manuals
Training manuals	Calibration manuals
Service Manual	Operation manuals
Parts list	Repair manuals

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Reviewed Shop
Drawings

Wire list
Keying Bit List

8.7.2.8 Any Computer, Micro controller, and/or Microprocessor equipped equipment installed shall be provided with source code copies of all software and firmware (prom, eprom, rom, other) supplied on this Contract; and

8.7.2.9 Copies of all inspection and guarantee certificates, manufacturers' warranties with the University of Kentucky listed as the Owner for all equipment provided and/or installed.

8.7.2.10 Refer to the Official Design Standards 017800S01 – Closeout Submittals for full details <https://www.uky.edu/cpmd/download/file/fid/78986>

8.7.2.11 If the O&M manuals from any one vendor covers several different model numbers, the model used on the Project must be highlighted.

8.7.2.12 Included in the front of the "Operation and Maintenance Manual" shall be a copy of the Interior and Exterior Finish plan and Schedule listing all finish materials, the manufacturer, the finish color, and the manufacturer's paint number.

8.7.2.13 Photograph album containing photos and negatives or digital images (.pdf format) showing buried utilities and concealed items shall be included.

8.8 SUBMISSIONS – AS - BUILT SET OF DRAWINGS

8.8.1 The Construction Manager shall submit one (1) electronic copy of As - Built set of drawings in PDF format indicating all deviations of construction as originally specified in the Contract Documents. These As-Built Drawings will compile information from the Construction Manager as well as all Sub-contractors. The Construction Manager shall provide a qualified representative to update the As - Built set of drawings as construction progresses. As-Built submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed.

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8.8.2 The Construction Manager shall provide and utilize a camera to photograph the installation of buried utilities and concealed items. The Construction Manager shall provide standard 3 1/2" x 5" photographs with negatives, or digital images (.jpeg format), which shall be submitted as part of the Operation and Maintenance Manuals submission. These photos should be mounted in a bound album with labeling as to subject of photo, date, and Project. Such album is to be kept at job site with the As - Built Set of Drawings until submittal of same.

8.8.3 Approval of the Final Payment request will be contingent upon compliance with these provisions. The Construction Manager's As – Built set of drawings shall be delivered to the Consultant at their completion so that the Consultant may make any changes on the original contract drawings.

8.9 SUBMISSIONS - SAP EQUIPMENT LIST

8.9.1 Complete equipment list for use with SAP software in electronic spreadsheet format. Data is to be provided in Unifomat format with the information being provided for individual locations as noted in Attachment A – Unifomat Component List. Information is to be provided as follows (MCPPD or CPPD will provide blank Excel spreadsheets in electronic form for use in compiling the information, if desired)

8.9.2 All materials that require preventative maintenance (PM) are listed as in Attachment A. The equipment list is to be provided in Excel spreadsheet format and is to include the information listed in Attachment B

8.9.3 Required maintenance procedure listing each work task in Excel spreadsheet format as shown in Attachment C.

8.9.4 Required frequency of maintenance for the work tasks outlined in 8.9.3 above and included in the Attachment C spreadsheet

8.9.5 Listing of maintenance parts and items: i.e., filters, lubricants, etc. for each work task listed in 8.9.3 above.

8.10 SUBMISSIONS – MAINTENANCE MATERIALS

8.10.1 If specified, Maintenance/Replacement Materials, Spare Parts, and special maintenance tools for proper maintenance shall be provided by the CM At Risk.

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ARTICLE 8.9 Attachment A – Unifomat Component List

SAP Object Type No.	Component Name
D5030.0232	Access Control Panel
D3050.0110	Air Conditioning Comp Rm Unit
D3030.0610	Air Conditioning Compressor
D3030.0620	Air Conditioning Condensing Unit
D3050.0120	Air Conditioning Pkg Rooftop Unit
D3050.0130	Air Conditioning Pkg Terminal Unt
D3030.0630	Air Conditioning Split System
D3050.0140	Air Conditioning Unit Package
D3050.0150	Air Conditioning Unit Window
D3050.0710	Air Curtain / Heater
D2090.0120	Air Dryer
D3010.0443	Air Eliminator
D3040.0110	Air Handling Unit
D5090.0220	Auto Transfer Switch - Electrical
	Automatic Door Operator
D2020.0330	Backflow Preventers
D3020.0110	Boiler, Steam System
D5030.0241	Camera
D5030.0231	Card Access System
D3030.0300	Chiller, Reciprocate
E1090.0250	Chutes & Collectors
D5010.0510	Circuit Breaker Panel
F1020.0230	Clean Rooms
F1020.0240	Cold Storage Rooms
D2090.0110	Compressor, Air
D3060.0250	Controls, Building System
E1090.0317	Cooler, Commercial
D3030.0510	Cooling Tower, Packaged
D2010.1300	Copper Silver Ion Equipment
D4090.0510	Dampers Fire
D4090.0500	Dampers Fire/Smoke
D4090.0520	Dampers Smoke
D3050.0400	Dehumidifiers
D2090.0200	Deionized Water System
E1090.0391	Dishwasher, Commercial
B2030.0160	Door, Auto Entrance
B2030.0100	Door, Exterior Entrance

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C1020.0330	Door, Fire Separate
C1020.0320	Door, Smoke Partition
D2010.0800	Drinking Fountain
D5010.0350	Electric Switchboard
E1030.0310	Elevator, Dock Leveler
D1090.0120	Elevator, Dumbwait Electric
D1090.0130	Elevator, Dumbwait Hydraulic
D1010.0140	Elevator, Hydraulic Freight
D1010.0120	Elevator, Hydraulic Passenger
D1010.0230	Elevator, Platform Lift
D1010.0240	Elevator, Sidewalk Lift
D1010.0130	Elevator, Traction Freight
D1010.0110	Elevator, Traction Passenger
D1010.0220	Elevator, Wheelchair Lift
D2010.1100	Emergency Eyewash
D2010.1000	Emergency Eyewash/Shower
D5090.0810	Emergency Generator
D2010.1200	Emergency Shower
D3050.0600	Energy Recovery Unit
F1020.0260	Environmental Unit
D3040.0120	Fan
D3050.0520	Fan Coil Unit
D3040.0122	Fan, Axial
D3040.0121	Fan, Centrifugal
D3040.0410	Fan, Exhaust
D5030.0141	Fire Alarm Annunciator
D5030.0134	Fire Alarm AV Devices
D5030.0139	Fire Alarm Door Holder
D5030.0144	Fire Alarm Duct Detector
D5030.0133	Fire Alarm Heat Detectors
D5030.0136	Fire Alarm Horns
D5030.0131	Fire Alarm Panel
D5030.0135	Fire Alarm Pull Station
D5030.0137	Fire Alarm Signal Speaker
D5030.0132	Fire Alarm Smoke Detectors
D5030.0130	Fire Alarm System
D5030.0138	Fire Alarm Visual Signal Dev
D4030.0200	Fire Blanket & Cabinet
D4030.0100	Fire Extinguisher Cabinet
D4030.0300	Fire Extinguisher Wheeled
D4090.0300	Fire Extinguishing System, Clean

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D4090.0200	Fire Extinguishing System, CO2
D4090.0400	Fire Extinguishing System, Dry Chemical
D4090.0100	Fire Extinguishing System, Foam
D4090.0000	Fire Extinguishing System, Other
G3010.0310	Fire Hydrant
E1090.0330	Food Cooking Equipment
E1090.0310	Food Stor/Prep Equipment
D2090.0400	Fuel Oil System
D3040.0460	Fume Hood System
D3020.0310	Furnaces
D2030.0260	Grease Trap
D3050.0580	Heat Exchanger
D2020.0260	Heater Domestic Water
D3050.0521	Heater, Cabinet Unit
D3050.0581	Heater, Cast Iron Radiator
D3050.0530	Heater, Fin Tube Radiation
D3050.0540	Heater, Induction Unit
D3050.0560	Heater, Unit
D3050.0570	Heater, Unit Vent
F1040.0700	Heliport System
E1090.0340	Hood/Vent Equip
D3050.0300	Humidifier
E1090.0380	Ice Machines
D5020.0330	Light, Emergency Exterior
D5020.0230	Light, Emergency Interior
D5020.0231	Light, Exit
E1020.0831	Medical Air Compressor
E1020.0900	Medical Gas Alarm
E1020.1000	Medical Gas Area Alarm
E1020.0840	Medical Gas Auto Pressure Switch
E1020.0834	Medical Gas Manifold
E1020.0835	Medical Gas N2O
E1020.0839	Medical Gas Outlet
E1020.0837	Medical Gas Shut-off Valve
E1020.0830	Medical Gas System
E1020.0838	Medical Nitrogen
E1020.0810	Medical Sterilizer Equipment
E1020.0832	Medical Vacuum Pump
D5010.0711	Motor Control Center
D5010.0720	Motor, Electric
D5030.0431	Nurse Call System

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E1090.0210	Packaged Incinerator
D3010.0550	Packaged Solar Equipment
D5030.0420	Paging Systems
C1010.0180	Partition Fire Rated
C1010.0190	Partition, Smoke
D1090.0141	Pneumatic Tube Blower
D1090.0142	Pneumatic Tube Station
D1090.0140	Pneumatic Tube System
D1090.0143	Pneumatic Tube Transfer Unit
D3010.0430	Pump
D3030.0710	Pump, Air Source Heat
D3010.0432	Pump, Chilled Water
D2020.0222	Pump, Domestic Hot Water Recirculation
D2020.0221	Pump, Domestic Water Booster
D4010.0111	Pump, Fire
D3010.0431	Pump, Heating Water
D4010.0112	Pump, Jockey Fire
D3030.0720	Pump, Rooftop Heat
D3010.0433	Pump, Steam
D2040.0270	Pump, Sump
D2030.0330	Pump, Waste
D2020.0220	Pump, Water Booster
D3030.0730	Pump, Water Heat
E1090.0315	Refrigerator/Freezer, Commercial
D3040.0123	Return Air Fan
D2090.1200	Reverse Osmosis System
D3030.0420	Scroll Chiller
D4010.0300	Sprinkler, Combo System
D4010.0400	Sprinkler, Deluge System
D4010.0200	Sprinkler, Dry-Pipe
D4020.0100	Sprinkler, Standpipe
D4010.0100	Sprinkler, Wet-Pipe
D3050.0310	Steam Generator
D5010.0840	Switchgear, Medium Voltage
D3010.0441	Tank, Expansion Compressor
D2020.0310	Tank, Expansion Domestic
D2020.0320	Tank, Expansion Reheat
D2090.0410	Tank, Fuel Oil
D3010.0444	Tank, Steam Flash
D5010.0210	Transformer, Low-Volt 2nd
D5010.0410	Transformer, Low-Volt Inter

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D5010.0110	Transformer, Main
D3020.0150	Trap, Steam
D5090.0110	UPS - Computer
D5090.0120	UPS - Other
D2090.1310	Vacuum Pump
D3010.0435	VFD - Pump
D3040.0190	VFD HVAC
D5010.0850	VFD/VSD
E1090.0316	Walk-in-Refrigerator
D2090.0210	Water Softener Equipment
D3010.0490	Water Treatment Equipment

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ARTICLE 8.7.3 Attachment B – Equipment List Spreadsheet Data Categories

Unifomat	
Component ID	
Component Name	
Description	
Name	
Equipment No.	MCPPD or CPPD will enter this data
Model No.	
Room Location	
Functional Location	MCPPD or CPPD will enter this data
Manufacturer	
Supplier	
Installing Contractor	
Serial No.	
Main Work Center	MCPPD or CPPD will enter this data
Comments(30 char's)	MCPPD or CPPD will enter this data
Critical	MCPPD or CPPD will enter this data
JCAH Code	MCPPD or CPPD will enter this data
Patient Room?	MCPPD or CPPD will enter this data
Vendor ID	MCPPD or CPPD will enter this data
Vendor Type	MCPPD or CPPD will enter this data
Vendor - Other Info	MCPPD or CPPD will enter this data
Equipment Life	MCPPD or CPPD will enter this data
Area Serviced	
Contains Lead?	
Contains Asbestos?	
Contains PCBs?	
Motor Frame	
Motor Style	
Motor HP	
Motor Phase	
Motor Volts	
Motor RPM	
Fan CFM	

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Fan RPM	
Fan Static	
Fan Type	
Fan RPM 2	
Pump Head	
Pump Inlet	
Pump GPM	
Pump Outlet	
Motor Oper Amps	
Condition	MCPD or CPPD will enter this data
Disconnect Location	
Motor FLA	
Belts	
Filters	

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ARTICLE 8.7.3 Attachment C - Example Preventative Maintenance Procedures

Description	Name	Equipment No.	Frequency	Maintenance Procedure	Maintenance Parts & Items
Air Handling Unit	AHU-1	M-12345	Monthly	Check Belts	
Air Handling Unit	AHU-1	M-12345	Quarterly	Grease bearings	Grease type xyz
Air Handling Unit	AHU-1	M-12345	Annually	Replace Belts	Belt model abc-123
Air Handling Unit	AHU-2	M-98765	Monthly	Check Belts	

The blue highlighted column will be filled in by MCPPD or CPPD.

ARTICLE 09 PLANS, DRAWINGS, AND SPECIFICATIONS

9.1 The successful Construction Manager can purchase any number of sets of plans and specifications from Lynn Imaging, Lexington, Kentucky (<http://www.ukplanroom.com/> or Phone Lynn Imaging @1.800.888.0693 or 859.255.1021). The Construction Manager will be required to pay Lynn Imaging for the cost of duplication for all sets required.

9.2 The University will provide **one (1) Electronic** set of the ‘Official Contract Documents’ book to the successful Construction Manager.

9.3 All drawings, specifications, and copies, thereof, prepared by the Consultant, are the property of the University of Kentucky. They are not to be used on other Work.

ARTICLE 10 PROGRESS MEETINGS

10.1 In addition to specific coordination and pre-installation meetings for each element of Work, and other regular Project meetings held for other purposes, progress meetings will be held as outlined at the Preconstruction Meeting. Each entity then involved in planning, coordination or performance of Work shall be properly represented at each progress meeting. The following areas will be covered at each progress meeting: current status of work in place, CM’s review of upcoming work (1 month look ahead), schedule status, upcoming outages, new outage requests, shop drawings due from contractors, shop drawings being reviewed, outstanding RFI’s, outstanding proposed change orders, change orders, new business, As-Built updated, close-out documents status, defective work in place issues, review “pencil copy” of payment application, safety issues and new business or other issues not covered above.. With regard to schedule status, discuss whether each element of current work is ahead of schedule, on time, or behind schedule in relation with updated progress schedule; determine how behind-schedule Work will be expedited, and secure commitments from entities involved in doing so; discuss whether schedule revisions are required to ensure that current Work and subsequent Work will be completed within Contract Time; and review everything of significance which could affect the progress of the Work.

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10.2 Construction Manager shall prepare and submit at each progress meeting an updated schedule indicating Work completed to date and any needed revisions.

10.3 With the express purpose of expediting construction and providing the opportunity for cooperation of affected parties, progress meetings will be held and attended by representatives of:

- (1) The Owner's Project Manager
- (2) The Consultant.
- (3) Construction Manager.
- (4) Subcontractors.
- (5) Others requested to attend (as deemed necessary by CPMD).
- (6) Physical Plant Division Representative

10.4 A location near the site will be designated where such progress meetings will be held. Participants will be notified of the dates and times of the meetings by the Consultant.

ARTICLE 11 CRITICAL PATH METHOD (CPM) SCHEDULE

11.1 Construction Manager shall prepare Critical Path Method (CPM) type schedules in accordance with General Conditions Article 32 with separate divisions for each major portion of the Work or operation. The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. All schedule submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format.

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11.1.1 CPM schedules shall be based on generally accepted good practices for the development of construction schedules including limited use of long activity durations, long total float values or relationships based on leads or lags. Schedules shall include all activities necessary for performance of the work showing logic (sequences, dependencies, etc.) and duration of each activity. The schedules shall provide information for all elements of the Work in sufficient detail to accurately demonstrate the relative importance of each activity to the successful completion of the Project including but not necessarily limited to the following.

- a) Activities to be performed by the University or the Design Team.
- b) Activities describing time sensitive submittals and submittal processing.
- c) Activities describing fabrication and delivery of key materials or equipment.
- d) Activities to identify equipment start-up and testing, system commissioning, and Owner training.
- e) Activities to identify Owner Furnished /Contractor Installed and Owner Furnished / Owner Installed material or equipment.
- f) Activities to denote all required inspections by the Owner or Design Team, and inspections by state or local agencies including receipt of necessary Certificate(s) of Occupancy.
- g) Activities to identify all dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.
- h) Activities to identify all contractually mandated constraints. Non-contractual constraints shall not be included in the Initial or Final Baseline schedules without explanation. Non-contractual constraints are for the convenience of the Construction Manager, shall not be a basis for delay claims, and may be temporarily removed by the University when schedules and updates are reviewed.
- i) Software coding of each activity to identify the applicable Phase; area and/or sub area where the work occurs; the trade subcontractor or party responsible for completion of the activity; whether the activity is a design activity, a bidding or procurement activity, a submittal activity, or a construction activity; and whether the activity is potentially weather dependent.
- j) The University may, at its sole discretion, also require that each activity be coded to indicate the section of the Technical Specifications that applies to the work.

11.1.2 Schedules shall include divisions for Work to be accomplished remote from the central construction site, (for example, modular or prefabricated units to be constructed off-site, or utilities to the site from outside the construction site such as chilled water, steam, electrical, communications, and fire service). Such Work shall be scheduled so that disruption resulting from construction will be minimized. Start dates and completion dates for utility construction must be maintained and completed in the shortest reasonable time.

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11.2 An Initial Baseline Schedules shall be submitted to the Consultant and to the Owner within thirty (30) calendar days after award of the first bid Package or trade contract, and shall include detailed information regarding Work to be performed during the first ninety (90) days of the Project as well as milestone dates based on hammock or Level of Effort type activities that identify all major elements of the remainder of the work. Any necessary revisions to the Initial Baseline Schedule shall be completed prior to submittal of the Final Baseline Schedule.

11.3 The Final Critical Path Baseline Schedule shall be submitted to the Consultant and to the Owner within seventy five (75) calendar days after award of the first bid Package or trade contract, shall be consistent with the information contained in the Initial Baseline Schedule prepared in accordance with Article 11.2 above, shall be a complete and comprehensive description of the Construction Manager's plan to complete the Work in accordance with the Contract, shall include all activities necessary to complete the Work, and shall show the complete sequence of construction by activity, with dates for beginning and completion of each element of construction as well as an indication of whether the activity might reasonably be delayed or impacted by bad weather. Sub-schedules shall be provided as may be necessary to define critical portions of the entire schedule.

11.3.1 If the Project is to be constructed in multiple phases or using multiple Bid Packages, the date for the start of work on each phase of the Project shall be the date on which the University approves the award of the first Trade Contract for work in that phase or Bid Package.

11.3.2 A separate schedule including decision dates for selection of finishes and delivery dates for Owner furnished items, if any, shall be provided showing submittal dates for Shop Drawings, product data, and material samples, as appropriate.

11.3.3 A separate schedule shall be provided identifying dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.

11.3.4 Activities, including Outages, which require action by or which are the responsibility of, the Owner or the Consultant under the terms of the Contract shall be properly indicated, and the responsible party shall be identified in the CPM schedule.

11.4 The Consultant will review schedules only for compliance with the intent of the Contract Documents. Such review shall not relieve the Construction Manager of any responsibility for compliance with the provisions of the Contract nor shall such review or any review comments constitute an amendment or modification of the Contract requirements. The Construction Manager shall be solely responsible for the means and methods to be employed to assure constructions proceeds in accordance with the submitted schedule and for identifying all necessary activities, establishing activity sequencing and assigning activity durations and relationships to assure that the CPM schedule is an accurate and comprehensive description of the plan for the Work.

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11.5 Up-dated progress schedules shall be submitted to the Consultant and to the Owner concurrently with each Application for Payment to indicate progress on each remaining activity as of the last working day prior to the date of the submittal and the projected completion date of each activity. Updated CPM schedules shall show the accumulated percentage of completion of each activity, and total percentage of Work completed, as of the data date of the update. Each submittal of an update to the schedule shall include a narrative report that identifies and explains activities modified since the previous submittal, major changes in scope and other identifiable changes, problem areas, anticipated delays and impact on the schedule, and shall describe corrective action taken or proposed, and its effect. Schedules will be uploaded in UK E-Communication®'s Schedules Item Log.

11.6 Submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format along with a transmittal letter and related narrative report.

11.7 Copies of updated CPM schedules are to be provided to the job site file and, as appropriate, to subcontractors, suppliers, and other concerned entities, including separate contractors. Recipients are to be instructed to promptly report, in writing, any problems anticipated in meeting the projected dates shown in the schedules.

11.8 The processing of all progress payments is contingent upon the submission of an updated CPM schedule. Only payment for bonds and limited Construction Manager mobilization costs will be approved for processing prior to receipt of the Initial and Final Baseline schedules

11.9 The processing of all change orders requesting a time extension to the contract is subject to the terms of Article 21 of the General Conditions to this Contract and is contingent upon the submission of a CPM schedule showing that the change order does indeed impact the contractually required completion dates for the Work. Time extensions for Change Orders that do not impact the contractually required completion dates for the Work will not be considered.

11.10 All time extensions shall be negotiated and made full, equitable and final, and incorporated in a revised CPM schedule at the time of Change Order issuance. No reservation of rights shall be allowed.

11.11 Float available in the schedule at any time shall not be considered for the exclusive use of either party to the contract but will be a resource available to both the Owner and the Construction Manager. No time extensions will be granted for a delay unless the delay impacts the Project critical path as shown in the updated Project schedule most recently submitted to the Owner prior to the event, consumes all available float or contingency time, and extends the Work beyond the then current Contract completion date(s).

ARTICLE 12 WALK-THROUGH (NOT USED)

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13.1 ARTICLE 13 OWNER’S CONSTRUCTION REPRESENTATIVE (NOT USED)

ARTICLE 14 FIELD OFFICE

14.1 Construction Manager shall make his own provision for field office for his own personnel and for incidental use by their Subcontractors. Quantity and location are subject to approval of the Consultant and the Owner's Project Manager.

14.2 Construction Manager is not required to provide a field office for use by the Owner or Consultant.

ARTICLE 15 TELEPHONE SERVICE

15.1 Construction Manager shall arrange for on-site phone, internet and other communications services. Telephone service during the length of construction shall be paid for by the Construction Manager.

ARTICLE 16 CONSTRUCTION FENCE

16.1 Construction fencing will be designed and erected around job sites where there is a possibility of injury to employees, students or the public. Special precautions must be taken to protect the visually impaired, disabled, children and others using the University facilities. During active excavation/trenching operations, fencing shall be erected to prevent unauthorized entry into the site. All fencing shall comply with the current requirements of the International Building Code except where the following requirements are more stringent.

16.1.1 All job site perimeter fencing within 5 feet of a walkway, street, plot line, or public right-of-way shall be 8 feet in height. Perimeter fencing that blocks sidewalks must include signs directing pedestrians to a safe walkway or crosswalk. Signage may be attached to the fence, but may also be required to inform pedestrians of sidewalk closures and detours prior to arriving at the closed area. Construction Manager shall provide electrical pedestrian and general lighting along the top rail of the perimeter of the construction site fence to provide a minimum illumination level of 1.5 foot candles. Pedestrian and perimeter fence lighting shall be installed in conduit, raceway, and/or pathway system properly supported to the perimeter fence. Open or flexible cabling will not be acceptable.

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16.1.2 All job site perimeter fencing more than 5 feet from a walkway, street, plot line, or public right-of-way shall be a minimum of 6 feet in height unless International Building Code requirements are more restrictive due to the height of the structure and setback.

16.1.3 All fencing shall be of a woven material such as chain link or a solid type fence. Fencing shall include gates required for construction operations. Gates shall be lockable with both the Construction Manager's lock, and a lock provided by the Owner. Lock by Owner shall be keyed for the University Best GA key core. All locks to be “daisy-chained” to provide access to the Owner.

16.1.4 It shall be the Construction Manager’s responsibility to determine the proper quality of materials and methods of installation of the fencing, with the understanding that it must be maintained in good condition, good appearance, rigid, plumb, and safe throughout the construction period. The fence does not have to be new material. The fence is to be erected on fence posts securely anchored in the ground. Provide a top bar or, with prior approval of the Owner, a wire shall be run through the top of the fence and attached to the end posts. A tension control device shall be installed as necessary. Use of sandbags, concrete weights, stakes, etc. to hold fence posts in place are not allowed. Penetrations in pavement or landscape walking surfaces may not be made without the approval of the Owner. Any damage caused by the fence installation shall be repaired in a manner satisfactory to the Owner. When fencing is to remain in place for 6 months or more a green fabric mesh must be provided for the full height and length of the fence. Fabric should be omitted for one section of fencing where blind corners occur or at pedestrian/vehicle intersections.

16.1.5 The Construction Manager shall be responsible for removing and replacing any fence sections and/or posts necessary for access to the site on a daily basis. The Construction Manager shall police such conditions to assure the fence and posts are reset in a timely manner and are specifically in place at the close of the working day.

16.1.6 If the Construction Manager fails to comply with the requirements of this Article 16, the Owner may proceed to have the work done and the Construction Manager shall be charged for the cost of the Work done by unilateral deductive change order.

16.1.7 Plastic construction fencing is not acceptable as a perimeter protection fence.

ARTICLE 17 PROJECT SIGN

17.1 The Construction Manager shall furnish, install and maintain 2 Project signs during this Project. This sign shall be 4' x 8' x 3/4" exterior grade plywood mounted on 4" x 4" posts. Design shall be as provided by the Owner at a later date and shall include the name of the Owner, Project, Consultant, and Construction Manager.

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17.2 No signs, except those attached to vehicles or equipment, may be displayed without permission from the Consultant and the Owner's Project Manager. No political signs will be permitted.

ARTICLE 18 PARKING

18.1 No on-campus parking is available. The Construction Manager shall develop a parking plan as part of the required Pre-Construction Services element of this Contract.

ARTICLE 19 SANITARY FACILITIES

19.1 At the beginning of the Project, before any Work is started, the Construction Manager shall furnish, install, and maintain ample sanitary facilities for the workforce. Permanent toilets in the existing building shall not be used during construction of the Project. Drinking water shall be provided from an approved safe source, piped or transported as to be kept clean and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing governing health regulations.

ARTICLE 20 RULES OF MEASUREMENT

20.1 Rules of Measurement shall be established by the Consultant in the field. Actual measurement shall be taken in the field. These amounts shall become binding upon the Construction Manager and be adjusted as before mentioned.

20.2 The Construction Manager shall pay for and coordinate through the Consultant and/or the Owner's Project Manager all associated Work by utility companies including relocation of utility poles, installation of new streetlights, relocation of overhead or underground lines, and any other Work called for on the Plans and in the Specifications.

ARTICLE 21 ALLOWANCES

21.1 As stated in the General Conditions to the Contract, the Construction Manager shall have included in the Contract Amount all costs necessary to complete the Work. Costs based on "allowances" shall be permitted only for objectively quantifiable items and only with the prior written approval of the Owner. No allowances shall have been included in the calculation of the Construction Manager's fixed fee quotation in par. 8.0 of the RFP.

21.2 Costs based on allowances may be included in Subcontract bid packages only with the prior written approval of the Owner, and only for objectively quantifiable material items.

21.3 Any allowance amounts included in a Subcontract bid package, but not expended for the approved task during the course of the work of that Subcontract, shall be deducted

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from the Construction Manager's contract by Change Order. Any additional amounts necessary to pay for additional cost of an allowance in a Subcontract bid package shall be funded from the Construction Contingency Fund.

21.4 (NOT USED)

21.4.1 (NOT USED)

21.4.2 (NOT USED)

ARTICLE 22 CONSTRUCTION CONTINGENCY FUNDS

22.1 The Owner shall include an amount in the Project construction budget not to exceed one percent (1%) of the total cost of the construction, including the Construction Manager's fixed fee, as a Construction Contingency Fund. The following are general / typical categories of changes to the Work that may, with the Owner's prior written specific approval, be funded from this source:

22.1.1 Reasonable errors & omissions in the Construction Manager's bidding and scoping processes;

22.1.2 Reasonable costs associated with schedule recovery that is not a direct result of the construction managers or a trade contractor's failure to perform;

22.1.3. Any costs or expenses incurred by the Construction Manager, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with the Contract for Construction and the best interests of Owner, that were not included in the Construction Manager's General Conditions Cost as submitted in the original fee proposal

22.1.4 Amounts necessary to fund cost overruns in approved allowance items within Subcontract bid packages, as described in Article 21.3, above.

ARTICLE 23 SEQUENCE OF CONSTRUCTION

23.1 (NOT USED)

23.2 (NOT USED)

23.2.1 The Construction Manager shall coordinate any road and sidewalk closings, utility disruptions, etc. which will affect the use of the existing building(s) with the Owner's Project Manager prior to commencing that Work.

23.3 The adjacent buildings and public areas will remain in use and the Owner shall have access to the existing building(s) throughout the duration of the Project. The Construction Manager shall coordinate construction activity to assure the safety of those

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who must cross the Project site and shall provide and maintain the necessary barriers and accommodations for a completely safe route of accessibility. The Construction Manager is to insure that all exits provide for free and unobstructed egress. If exits must be blocked, then prior arrangements must be made with the Owner's Project Manager.

23.4 The Construction Manager shall cooperate with the Owner in minimizing inconvenience to, or interference with normal use of existing buildings and grounds by staff, students, other Contractors, or the public. Construction Manager shall conduct operations to prevent damage to adjacent building structures and other facilities and in such a manner to protect the safety of building's occupants.

23.5 Special effort shall be made by the Construction Manager to prevent any employee from entering existing buildings for reasons except construction business. In particular, use of toilets, drinking fountains, vending machines, etc. is strictly prohibited.

ARTICLE 24 CRANE & MATERIAL HOIST OPERATIONS

24.1 Construction Manager shall provide appropriate barriers around crane and material hoist to protect pedestrian and vehicular traffic around operating area. When crane is operating or moving, flag men provided by Construction Manager shall be utilized to prevent pedestrian and vehicular traffic from crossing pathway of crane lift. Construction Manager's flag men shall coordinate these activities with the appropriate security personnel.

24.2 Crane and material hoist shall be safely secured and inaccessible during non-operating hours. Construction Manager shall coordinate operation or erection of a crane or material hoist in the vicinity of the Medical Center with Medical Center Aeromedical Operations (Med-evac helicopter).

24.3 Any damage to trees, shrubs or plant material at the placement of crane or material hoist shall be repaired by tree surgery or replaced as directed by Consultant.

ARTICLE 25 UTILITIES

25.1 When the various building systems are energized and connected to Owner's utility systems, but prior to turnover to and occupancy by the Owner, the Construction Manager is responsible to reimburse the Owner for Owner furnished utilities. These utilities include but not limited to steam, chilled water, domestic water, and electricity, provided by the Owner up to the date of Substantial Completion. Reimbursement will be payable monthly via a deductive change order to the contract. Unit costs for campus are as follows:

25.1.1 Steam is \$17.00/million BTU (1000 lb.) condensate measured through the building condensate meter (all condensate is to be returned).

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25.1.2 Chilled Water is \$16.25.00/million BTU (1000 lb.) measured through the building BTU meter.

25.1.3 Electricity is \$0.08/KWH measured through the building electric meter.

25.1.4 Water is supplied by Kentucky American Water Company (KAWC). Construction Manager shall pay KAWC directly until the Owner's beneficial occupancy date. The Construction Manager shall pay KAWC directly for fire service.

25.1.5 Construction Manager shall furnish gas meter and Columbia Gas Company directly for service until the until the Owner's beneficial occupancy date.

25.1.6 Construction Manager shall obtain from and pay UKIT Communications and Network Systems for the use of telephone services.

25.2 UTILITY OUTAGES (NOT USED)

25.2.1 Interruption of Utilities and Services: No utilities or services may be interrupted without full consent and prior scheduling of the Owner. Owner approval is required in writing for each disruption.

25.2.1.1 ENTIRE BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of an entire building or group of buildings shall be three weeks written notice. The written notice shall include the type of utility to be interrupted, reason for outage, length of outage, what will be affected by the outage, and a statement of whether or not the materials are on hand to complete the Work. If a specific time is desired for the outage it should be included. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time, Work shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

25.2.1.2 SECTION OF A BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of a section of a building shall be a written request one week prior to outage. The written request shall include the type of utility to be interrupted, when the outage is desired, reason for outage, length of outage, and what will be affected by the outage. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time Work

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shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

ARTICLE 26 CLEANING AND TRASH REMOVAL

26.1 The Construction Manager shall keep clean the entire area of new construction and shall keep streets used as access to and from the site free of mud and debris.

26.2 All exit ways, walks, drives, grass areas, and landscaping must be kept free from debris, materials, tools and vehicles at all times. Trim weeds and grass within the site area.

26.3 Upon completion of the Work, Construction Manager shall thoroughly clean and re-sod grass areas damaged to match existing areas.

26.4 All utility markings are to be made with water-based marking paint with low Volatile Organic Compounds (VOC's) and high solids.

26.5 Upon Completion of the project, buried utility paint markings sprayed on walks and hardscapes are to be removed by non-destructive means such as pressure washing. Do not use chemicals. If a washed area is noticeable, the entire surface must be washed and or blended to match surrounding areas.

26.6 The Construction Manager shall be responsible for removal from the site of all liquid waste or other waste (i.e., hazardous, toxic, etc.) that requires special handling on a daily basis.

26.7 Dumpsters will be provided and maintained by the Construction Manager.

26.8 During Work at the Project site, the Construction Manager shall clean and protect Work in progress and adjoining Work on a continuing basis. Construction Manager shall apply suitable protective covering on newly installed Work where needed to prevent damage or deterioration until the time of Substantial Completion. Construction Manager shall clean and perform maintenance on newly installed Work as frequently as necessary through remainder of construction period.

26.9 The Construction Manager shall be responsible for daily cleaning of spillages and debris resulting from his and his Subcontractor's operations, (includes removal of dust and debris from wall cavities), and for providing closed, tight fitting (dustproof if required), waste receptacles to transport construction debris from the work area to the dumpster. Broom clean all floors no less than once a week. The Construction Manager shall empty such receptacles into the trash container when full or when directed to be emptied by the Consultant and/or Owner's Project Manager, but not less than weekly. The use of the Owner's waste and trash receptacles is strictly prohibited, except as otherwise provided by the Project specifications.

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26.10 Failure to comply with the above requirements shall be cause for stopping work until the condition is corrected.

ARTICLE 27 BLASTING

27.1 There shall be no blasting under any conditions on University of Kentucky property unless specified in these Special Conditions.

ARTICLE 28 CUTTING AND PATCHING - NEW AND EXISTING WORK

28.1 New Work - Cutting and patching shall be done by craftsmen skilled and experienced in the trade or craft that installed or furnished the original Work. Repairs shall be equal in quality and appearance to similar adjacent Work and shall not be obviously apparent as a patch or repair. Work that cannot be satisfactorily repaired shall be removed and replaced.

28.2 Existing Construction - Refer to Architectural, Mechanical, and Electrical drawings for cutting and patching. All new Work shall be connected to the existing construction in a neat and workmanlike manner, presenting a minimum of contrast between old and new Work. Do all patching of the existing construction as may be required for the new construction to be completed. Necessary patching, closing of existing openings, repairing and touching up shall be included as required for a proper, neat and workmanlike finished appearance. Any existing item that is to remain and is damaged during construction shall be replaced at the Construction Manager's expense.

ARTICLE 29 UNRELATED PROJECTS

29.1 Unrelated construction projects may be under way in the vicinity of this Project or the site utility work during the course of the Work related to this Project. The Construction Manager for this Project must coordinate with any other contractors regarding overlapping areas. See Article 42 - Separate Contracts of the General Conditions.

ARTICLE 30 OWNER SUPPLIED MATERIALS

30.1 Owner, in an effort to expedite this Project, has pre-ordered certain long lead time items. The following is the list of material that has been pre-ordered:

1. **TBD**

30.2 All Pre-Ordered Material was specified to be shipped to the **(Cancer Center / ASC)**. It will be the Construction Manager's responsibility to receive and off load the Pre-Ordered Material. If there is damage to the Pre-Ordered Material, then the

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Construction Manager is to notify the Owner's Project Manager immediately so that the Owner can seek replacement material.

ARTICLE 31 REMOVED ITEMS (NOT USED)

ARTICLE 32 INTERIOR ENCLOSURE AND DUST ENCAPSULATION (NOT USED)

ARTICLE 33 UKIT COMMUNICATIONS AND NETWORK SYSTEMS

33.1 The communications wiring is to be provided, installed and terminated by the Construction Manager using a certified and approved communications contractor. All work shall be done in compliance with the latest UKIT-Communications and Network Systems' Standards, and closely coordinated with UKIT-Communications and Network Systems.

ARTICLE 34 EMERGENCY VEHICLE ACCESS

34.1 Emergency Vehicle Access must be maintained during construction. The Construction Manager shall coordinate with the local Fire and Emergency Medical Services department(s) that would respond to an emergency during the initial start up of construction to ensure a complete understanding of their requirements.

ARTICLE 35 SMOKE DETECTORS / FIRE ALARM SYSTEMS- EXISTING AND/OR NEW FACILITIES

35.1 Construction Manager shall protect all smoke detectors in Work areas to prevent false alarms. The Construction Manager will be responsible for any false alarm caused by dust created in their Work areas or dust traveling to areas beyond the Work, past inadequate protection barriers. If there is a need for an existing or newly installed fire alarm system or parts of that system to be serviced, turned off, or disconnected, prior approval must be obtained from the Owner's Project Manager and notification given to the Campus Dispatch Office. The Construction Manager must follow the procedure outlined for Utility Outages and any documented costs charged by the responding fire department due to a false alarm shall be paid by the Construction Manager. As soon as all Work is completed notification must be given to the Owner's Project Manager and to the Campus Dispatch Office prior to reactivation of the system. Prior to Final Payment to the Construction Manager, all protected smoke detectors will be uncovered and tested.

35.2.1 When any fire alarm, detection or suppression system is impaired, a temporary system shall be provided. Construction Manager shall provide daily reports indicating the Superintendent has walked through the project at the end of each work period, to satisfy himself there are no present conditions that may result in an accidental fire. Portable fire extinguishers shall be on site during this time. The Construction Manager is responsible for inspecting and testing any temporary systems on a monthly basis.

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ARTICLE 36 SURVEYS, RECORDS, and REPORTS

36.1 General: Working from lines and levels established by property survey, and as shown in relation to the Work, the Construction Manager will establish and maintain benchmarks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the benchmarks and dependable markers required dimensions as shown (within recognized tolerances if not otherwise indicated) and shall not scale drawings to determine dimensions. Construction Manager shall advise Sub-contractors performing Work of marked lines and levels provided for their use in layout of Work.

36.2 Survey Procedures: The Construction Manager shall verify layout information shown on drawings, as required for his own Work. As Work proceeds, surveyor shall check every major element for line, level, and plumb (as applicable), and maintain an accurate Surveyor's log or Record Book of such checks available for Construction Manager or Design Consultant's reference at reasonable times. Surveyor shall record deviations from required lines and levels and advise Design Consultant or Construction Manager promptly upon detection of deviations exceeding indicated or recognized tolerances. The Construction Manager shall record deviations which are accepted (not corrected) on Record Drawings.

ARTICLE 37 SMOKING IS PROHIBITED

37.1 For areas located within Fayette County, Kentucky, the use of all tobacco products is prohibited on all property that is owned, operated, leased, occupied, or controlled by the University. "Property" for purposes of this paragraph includes buildings and structures, grounds, parking structures, enclosed bridges and walkways, sidewalks, parking lots, and vehicles, as well as personal vehicles in these areas. To view the Lexington campus boundaries: <http://www.uky.edu/TobaccoFree/files/map.pdf>.

37.2 For areas not located within Fayette County, Kentucky, smoking is prohibited in all owned, operated, leased, or controlled University buildings and structures, parking structures, enclosed bridges and walkways, and vehicles. Smoking is also prohibited outside buildings and structures within 20 feet of entrances, exits, air intakes, and windows, unless further restricted by division policy.

37.3 Construction Manager's employees violating this prohibition will be subject to dismissal from the Project.

37.4 For the full Administrative Regulation see University AR 6:5. <http://www.uky.edu/Regs/files/ar/ar6-5.pdf>

ARTICLE 38 ALTERNATES

010000S01- Special Conditions – Construction Manager at Risk

38.1 Alternate(s) will be accepted in the sequence of the Alternates listed on the Bid Form, and the lowest Bid Sum will be computed on the basis of the sum of the base Bid and any alternates accepted, within the budgeted amount.

38.2 Schedule of Alternates: (TBD)

ARTICLE 39 FIELD CONSTRUCTED MOCKUPS

39.1 Exterior Finishes

39.1.1 After sample selection but prior to ordering exterior finish materials, Construction Manager shall accumulate enough material samples to erect sample wall panels to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction including sample masonry units (face and back-up wythes, plus accessories), window units, roofing finish, etc. to provide a complete representation of the exterior facade for approval by the Consultant; build mock-ups to comply with the following requirements:

39.1.2 Build mock-ups well in advance of the time the finish materials will be needed for inclusion in the Work.

39.1.3 Locate mock-ups at location as reviewed and approved by the Architect and University's Project Manager, generally within 10 feet of existing building, parallel to existing face of building, and exposed to sunlight during daylight hours. Mock-Up to be reviewed twice, one in direct sunlight and one in shade to confirm color characteristics of samples.

39.1.4 Mock-ups Size(s) for the following types shall be approximately 6' long by 4' high by full thickness.

Each type of exposed Work.

39.1.5 Protect mock-ups from the elements with weather resistant membrane.

39.1.6 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, demolish mock-ups and remove from the site.

39.2 Interior Finishes

39.2.1 After sample selection but prior to ordering interior finish materials, Construction Manager shall accumulate enough material samples to erect sample to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction; include samples of interior finishes, including paint, wood stain, vinyl wallcovering, flooring and ceiling materials to

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provide a complete representation for approval by the Consultant; build mock-ups to comply with the following requirements:

39.2.2 Build mock-ups well in advance of the time the finish materials will be needed for inclusion in the Work. Mock-ups may be on newly installed wall surfaces.

39.2.3 Locate mock-ups with adequate illumination for observation under intended light levels.

39.2.4 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, remove mock-ups from site or incorporate into the completed work.

ARTICLE 40 PROJECT COORDINATION VIA COMPUTER

40.1 The Construction Manager and Subcontractors are required to have an active email account to facilitate coordination of the project during construction and warranty.

40.2 To facilitate project construction coordination between the Consultant, the Construction Manager, Subcontractors, and the University of Kentucky as the Owner, UK Capital Project Management Division (CPMD) is hosting an Internet/ Web-based Project Management System (WPMS) to help improve project communication and collaboration. The Consultant shall participate in the use of the WPMS (UK E-Communication® or other system at the Owner's discretion) providing collaboration between Owner, the Consultant and selected contractors.

40.2.1 Owner shall provide the Construction Manager and Subcontractors with user accounts and appropriate training for the web-based project management tool.

40.2.2 Utilization of, and training in the use of, the WPMS will be arranged for and supervised by Owner.

40.2.3 Participation of Construction Manager is mandatory; others as determined by Owner. Participation of Subcontractors and/or Trade Contractors is not mandatory but will be offered at their discretion.

40.2.4 All participants are required to have access to the internet and the Microsoft Internet Explorer browser (version 5.0 or higher). A broadband connection to the internet (e.g. Cable modem, ISDN, DSL) is recommended, but not required.

40.2.5 The WPMS shall be utilized for the following functions, as a minimum: Posting Project Files, AE Amendments, Architect's Supplemental Information (ASI's), Closeouts, Consultant Invoices, Contracts, Defective Work in Place, Meeting Minutes, Payment Applications, Proposed Change Orders – Change Orders (PCO to CO's), Punch Lists, Reports (Contractor Daily Reports, Field Reports, Commissioning Reports), RFIs,

01000S01- Special Conditions – Construction Manager at Risk

SAP Equipment List, Schedules, and Submittals. The Document Library (Bid set Plans, Specifications and Addenda will be uploaded by Lynn Imaging.

40.2.6 Site camera monitors may be included at Owner's discretion.

40.2.7 Utilization of the WPMS shall be implemented by the Owner's representative.

40.2.8 Use of the system will provide consistent, real-time information for decision making. Additionally, all project data entered into the system will be archived to facilitate project record keeping. It is anticipated that proper use of the WPMS will improve efficiency of communications and reduce project related paperwork and clerical workload.

40.2.9 The Construction Manager and Consultant shall submit complete close-out and submittal logs in E-Communication, or WPMS, including description of all deliverables to be submitted by the construction manager or trade contractors during Phase 3, Construction Documents Phase.

ARTICLE 41 HOT WORK PERMITS (NOT USED)

01000S01- Special Conditions – Construction Manager at Risk

ARTICLE 42 INSURANCE

42.1 Employers' Liability Insurance. The Construction Manager shall acquire and maintain Employers' Liability insurance with at least \$500,000/\$500,000/\$500,000 limits of liability for all employees who will be working at the Project site.

42.2.1 Commercial General Liability Insurance. If the work involved requires the use of helicopters, a separate aviation liability policy with limits of liability of \$100,000,000 will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits of \$15,000,000 will be required.

42.2.1.1 The limits of liability shall not be less than \$5,000,000 each occurrence combined single limits for bodily injury and property damage. If split limits are used, they shall not be less than \$2,000,000 for each person and each occurrence and \$1,000,000 for property damage.

42.2.2 Comprehensive Automobile Liability Insurance. Policy limits shall not be less than \$2,000,000 for combined single limits for bodily injury and property damage for each occurrence. As an alternative, split limits of not less than \$1,000,000 for bodily injury and \$500,000 for property damage for each occurrence shall be maintained.

42.2.3 Excess or Umbrella Liability Insurance. This policy shall have a minimum of \$10,000,000 combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary policies.

42.2.4 Workers' Compensation- Statutory Requirements (Kentucky)

ARTICLE 43 KEY ACCESS (NOT USED)

ARTICLE 44 CEILING CLEARANCE

44.1 Work above ceiling: All work above an area with lay-in ceiling must be coordinated and installed so there is a minimum of 4" between the top of the ceiling grid runners and bottom of the installation. Installation shall not obstruct equipment access space or equipment removal space. Also, conduit and pipe attached to the wall must be above the 4" minimum level.

44.2 Coordination Between Trades: Request and examine all drawings and specifications pertaining to the construction before installing above ceiling work. Cooperate with all other contractors in locating piping, ductwork, conduit, openings, chases, and equipment in order to avoid conflict with any other contractor's work. Give special attention to points where ducts or piping must cross other ducts and piping, and where ducts, piping and conduit must fur into the walls and columns. Make known to other trades intended positioning of materials and intended order of work. Determine intended position of work of other trades and intended order of installation.

010000S01- Special Conditions – Construction Manager at Risk

ARTICLE 45 METAL ANCHORS

45.1 All anchoring devices utilized to secure materials to the building shall be metal. Plastic or plastic expansion components shall not be used. This shall include all fasteners for mechanical/electrical hangers.

ARTICLE 46 LOADING DOCK (NOT USED)

ARTICLE 47 CONSTRUCTION PATH (NOT USED)

ARTICLE 48 HOSPITAL PROJECT PROCEDURE (NOT USED)

ARTICLE 49 WORKING HOURS/ACCESS: FOR MEDICAL CENTER/HOSPITAL (NOT USED)

ARTICLE 50 SECURITY BADGES AND MEDICAL CENTER SECURITY (NOT USED)

ARTICLE 51 HOSPITAL CONSTRUCTION CERTIFICATION

51.1 This Project involves working in what will become a fully functioning Medical Facility. Individuals responsible for the work occurring on the site should be thoroughly familiar with the hazards and procedures associated with construction in the healthcare environment.

51.2 All superintendents and foremen for the Construction Manager and the Mechanical and Electrical sub-contractors shall be required to hold at least one (1) of the certifications listed below from the associated organizations prior to working on the project.

Healthcare Construction Certificate - American Society for Healthcare Engineers
Certified Healthcare Contractor – Kentucky Society of Healthcare Engineers

51.3 Should the required certifications not be in effect at the date of the work order, the University project manager may, at his or her discretion, grant a grace period for the required training.

ARTICLE 52 APPEARANCE (NOT USED)

ARTICLE 53 HIPAA (The Health Insurance Portability and Accountably Act) (NOT USED)

ARTICLE 54 SAFETY & FIRE PROCEDURES (NOT USED)

ARTICLE 55 INTERIM LIFE SAFETY MEASURES (ILSM) (NOT USED)

010000S01- Special Conditions – Construction Manager at Risk

ARTICLE 56 TREE PROTECTION STANDARDS

Contractor will adhere to all provisions outlined in 010000S02 Tree Protection Standards.

ARTICLE 57 CONTRACTOR/SUPERINTENDENT EXPERIENCE

See Article 51

ARTICLE 58 COVID-19 POLICY

Any and all companies/organizations working on the University of Kentucky's campus shall have in place for the period of the contract a COVID-19 policy that is consistent with the University of Kentucky's current COVID-19 policy.

Project Schedule - DRAFT

2563 - Cancer Treatment Center / ASC (Design Only)
University of Kentucky

ID	Task Name	Duration	Start	Finish
1	DESIGN	435 days	Thu 3/17/2022	Wed 11/15/2023
2	PHASE 0 - PRE-DESIGN	160 days	Thu 3/17/2022	Wed 10/26/2022
3	Early Program and Visioning	5 days	Thu 3/17/2022	Wed 3/23/2022
4	Design Kick-off Program Validation	30 days	Thu 3/31/2022	Wed 5/11/2022
6	50% Check-in / Program Validation	120 days	Thu 5/12/2022	Wed 10/26/2022
7	Submit Final Programming Documents	1 days	Thu 10/27/2022	Thu 10/27/2022
8	Programming Verification Review Meeting with Stakeholders	5 days	Fri 10/28/2022	Thu 11/3/2022
9	Program Approved	1 days	Thu 11/3/2022	Thu 11/3/2022
10	PHASE 1 - SD	95 days	Thu 11/10/2022	Wed 3/22/2023
11	Phase 1 Design - Concept Development	80 days	Thu 11/10/2022	Wed 3/1/2023
12	Phase 1 Cost Estimating - Design Team & CM	10 days	Thu 2/16/2023	Wed 3/1/2023
13	Phase 1 Budget Reconciliation - Design Team & CM	5 days	Thu 2/23/2023	Wed 3/1/2023
14	Phase 1 Submitted to UK for Review	1 days	Wed 3/1/2023	Wed 3/1/2023
15	Phase 1 CPMD & Department Review	10 days	Thu 3/2/2023	Wed 3/15/2023
16	Phase 1 Design Review Meetings - UKHC Departments	5 days	Thu 3/16/2023	Wed 3/22/2023
17	Phase 1 Authorization to Proceed to Phase 2	1 days	Wed 3/22/2023	Wed 3/22/2023
18	PHASE 2 - DD	85 days	Thu 3/2/2023	Wed 6/28/2023
19	Phase 2 Design	70 days	Thu 3/2/2023	Wed 6/7/2023
21	Phase 2 Cost Estimating - Design Team & CM	10 days	Thu 5/25/2023	Wed 6/7/2023
22	Phase 2 Budget Reconciliation - Design Team & CM	5 days	Thu 6/1/2023	Wed 6/7/2023
23	Phase 2 Submitted to UK for Review	1 days	Wed 6/7/2023	Wed 6/7/2023
24	Phase 2 CPMD & Department Review	10 days	Thu 6/8/2023	Wed 6/21/2023
25	Phase 2 Design Review Meetings - UKHC Departments	5 days	Thu 6/22/2023	Wed 6/28/2023
26	Phase 2 Authorization to Proceed to Phase 3	1 days	Wed 6/28/2023	Wed 6/28/2023
27	PHASE 3 - CD / Core & Shell	80 days	Thu 4/27/2023	Wed 8/16/2023
28	Phase 3 Design - 80%	80 days	Thu 4/27/2023	Wed 8/16/2023
29	Phase 3 Cost Estimating - 80% - Design Team & CM	15 days	Thu 7/27/2023	Wed 8/16/2023
30	Phase 3 Budget Reconciliation - 80% - Design Team & CM	5 days	Thu 8/10/2023	Wed 8/16/2023
31	Phase 3 Submitted to UK for Review - 80%	1 days	Wed 8/16/2023	Wed 8/16/2023
32	Phase 3 CPMD & Department Review - 80%	10 days	Thu 8/17/2023	Wed 8/30/2023
33	Phase 3 Design Review Meetings - UKHC Departments - 80%	5 days	Thu 8/31/2023	Wed 9/6/2023
34	Phase 3 Authorization to Complete Phase 3	1 days	Wed 9/6/2023	Wed 9/6/2023
35	Phase 3 Completion - 100%	20 days	Thu 8/17/2023	Wed 9/13/2023
36	Phase 3 - Issue for Bid & Permit	1 days	Wed 9/13/2023	Wed 9/13/2023
37	PHASE 3 - CD / Interior Fit-Out	110 days	Thu 6/15/2023	Wed 11/15/2023
38	Phase 3 Design - 80%	75 days	Thu 6/15/2023	Wed 9/27/2023
39	Phase 3 Cost Estimating - 80% - Design Team & CM	15 days	Thu 9/7/2023	Wed 9/27/2023
40	Phase 3 Budget Reconciliation - 80% - Design Team & CM	5 days	Thu 9/21/2023	Wed 9/27/2023
41	Phase 3 Submitted to UK for Review - 80%	1 days	Wed 9/27/2023	Wed 9/27/2023
42	Phase 3 CPMD & Department Review - 80%	10 days	Thu 9/28/2023	Wed 10/11/2023
43	Phase 3 Design Review Meetings - UKHC Departments - 80%	5 days	Thu 10/12/2023	Wed 10/18/2023
44	Phase 3 Authorization to Complete Phase 3	1 days	Wed 10/18/2023	Wed 10/18/2023
45	Phase 3 Completion - 100%	30 days	Thu 10/5/2023	Wed 11/15/2023
46	Phase 3 - Issue for Bid & Permit	1 days	Wed 11/15/2023	Wed 11/15/2023
47	BIDDING & CONSTRUCTION	650 days	Wed 9/13/2023	Tue 3/10/2026
48	BIDDING (Core & Shell)	40 days	Wed 9/13/2023	Tue 11/7/2023
49	CM & DRP Preparation	10 days	Wed 9/13/2023	Tue 9/26/2023

Project Schedule - DRAFT

2563 - Cancer Treatment Center / ASC (Design Only)
University of Kentucky

ID	Task Name	Duration	Start	Finish
50	Advertisement for Bids - Core & Shell	1 days	Tue 9/26/2023	Tue 9/26/2023
51	Bid Period - Core & Shell	25 days	Wed 9/27/2023	Tue 10/31/2023
52	Bid Date - Core & Shell	1 days	Tue 10/31/2023	Tue 10/31/2023
53	Contract Review & Award - Core & Shell	10 days	Wed 11/1/2023	Tue 11/14/2023
54	Early Bid Packages (UG Utilities/ Elevators / Foundations / Structural Frame / Large MEP Equipment)	1 days	Wed 3/15/2023	Wed 3/15/2023
55	BUILDING CONSTRUCTION	780 days	Wed 3/15/2023	Tue 3/10/2026
56	Building Construction	780 days	Wed 3/15/2023	Tue 3/10/2026
57	Substantial Completion	1 days	Tue 3/10/2026	Tue 3/10/2026
58	Punch List	20 days	Wed 2/11/2026	Tue 3/10/2026
59	Final Completion	1 days	Tue 4/21/2026	Tue 4/21/2026
60	Year End Warranty	365 days	Tue 4/21/2026	Wed 4/21/2027
61	OCCUPANCY	25 days	Wed 4/22/2026	Tue 5/26/2026
62	Furniture Delivery / Set up	20 days	Wed 4/22/2026	Tue 5/19/2026
63	Move-in Operations	20 days	Wed 5/20/2026	Tue 6/16/2026
64	Final Building Occupancy	1 days	Tue 6/16/2026	Tue 6/16/2026

Attachment E

Construction Phase On-Site Staffing Matrix

TOTAL PROJECT STAFFING LEVEL				
Position	No.	Months	% of Time	Comments
Project Executive				
Project Manager				
Superintendent				
Engineer				
Assistant Superintendent/s				
Safety Engineer				
Administrative Assistant				
Other				
Other				
Other				

A F F I D A V I T

Comes the affiant and after having been duly sworn states as follows:

1. That affiant is the contractor awarded a contract by the University of Kentucky on **Project #2563.0 Construction Management Services to Construct Ambulatory Facility- UKHC Cancer Treatment Center/ Ambulatory Surgery Center**
2. That all contractors and subcontractors employed, or that will be employed, under the provisions of this contract are in compliance with Kentucky requirements for Workers' Compensation Insurance according to KRS Chapter 342 and Unemployment Insurance according to KRS Chapter 341.

Further, the affiant sayeth naught.

By: _____

Title: _____

Contractor: _____

State of _____)

County of _____)

Subscribed and sworn to before me by _____ on this _____

day of _____, 2023.

My commission expires _____

Notary Public, State at Large

**UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION**

PAYMENT BOND

Bond Number: [NUMBER]

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the “Owner”) and [CONTRACTOR’S NAME] (the “Principal”) have entered into a contract for the construction of Project #2563.0 Construction Management Services to Construct Ambulatory Facility- UKHC Cancer Treatment Center/ Ambulatory Surgery Center (the “Project”), with the contract price or amount of \$[AMOUNT].

WHEREAS, the Principal is required to furnish a payment bond for the protection of all persons performing, supplying, or furnishing labor, materials, equipment, or supplies to the contractor or its subcontractors for the performance of the work provided for in the contract, including security for payment of all unemployment contributions which become due and payable under Kentucky unemployment insurance law, in an amount equal to one hundred percent (100%) of the original contract price or amount, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, [SURETY’S NAME] (the “Surety”), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations:** The recitals above are true and substantive parts of this instrument.
2. **Definitions:** The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Claimants** means all persons having just and lawful claims for (i) labor, materials, services, insurance, supplies, machinery, equipment, rentals, fuels, oils, implements, tools, appliances, and any other items of whatever nature, furnished for, used or consumed in the prosecution of the work called for by the Contract, whether lienable or non-lienable and whether or not permanently incorporated in said work; (ii) pension, welfare, vacation, and other supplemental employee benefit contributions payable under collective bargaining agreements with respect to persons employed upon said work; and (iii) federal, state, and local taxes and contributions required by law to be withheld and paid with respect to the employment of persons upon said work.

- (c) **Contract** means that certain agreement dated [DATE] for the construction of Project #2563.0 Construction Management Services to Construct Ambulatory Facility-UKHC Cancer Treatment Center/ Ambulatory Surgery Center (the “Project”), all documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).
- (d) **Contract Change** means any change order, change of time, extension of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.
3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, to pay all Claimants having just and lawful claims (as defined above). The Principal and Surety likewise guarantee the faithful payment of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is \$[AMOUNT]. This amount shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety’s obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term of the Contract, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) promptly pays all Claimants; (b) satisfies all claims and demands incurred under the Contract; and (c) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal’s failure to do so. The Bond will otherwise remain in full force and effect.
6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.
7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.
8. **Beneficiaries:** The Principal and Surety agree that (a) the Bond will insure to the benefit of the Owner and all Claimants having just and lawful claims (as defined above) (collectively the “Beneficiaries”), whether or not they have any direct contractual relationship with the Principal; (b) the Beneficiaries may maintain independent actions upon this Bond in their own names; and (c) no final settlement between the Owner and Principal will abridge the right of other Beneficiaries with unsatisfied claims.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of [DATE].

ATTEST:
WITNESSES:

PRINCIPAL

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:
WITNESSES:

SURETY

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

**UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION**

PERFORMANCE BOND

Bond Number: [NUMBER]

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the “Owner”) and [CONTRACTOR’S NAME] (the “Principal”) have entered into a contract for the construction of Project #2563.0 Construction Management Services to Construct Ambulatory Facility- UKHC Cancer Treatment Center/ Ambulatory Surgery Center (the “Project”), with the contract price or amount of \$[AMOUNT].

WHEREAS, the Principal is required to furnish a performance bond for the faithful performance of the contract in an amount equal to one hundred percent (100%) of the contract price or amount as it may be increased, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, [SURETY’S NAME] (the “Surety”), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations:** The recitals above are true and substantive parts of this instrument.
2. **Definitions:** The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Contract** means that certain agreement dated [DATE] for the construction of Project #2563.0 Construction Management Services to Construct Ambulatory Facility- UKHC Cancer Treatment Center/ Ambulatory Surgery Center (the “Project”), all documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).
 - (c) **Contract Change** means any change order, change of time, extensions of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.

3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, for the full and faithful performance of the Contract and any Contract Changes. The Principal and Surety likewise guarantee the faithful performance of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is \$[AMOUNT]. This amount shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety's obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term thereof, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) well, truly, and faithfully performs its duties to the Owner; (b) performs the Contract; (c) satisfies all claims and demands incurred under the Contract; (d) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal's failure to do so; and (e) reimburses and repays the Owner all such expenses and outlay, without limitation, which the Owner may incur in making good any default. The Bond will otherwise remain in full force and effect.
6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.
7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of [DATE].

ATTEST:
WITNESSES:

PRINCIPAL

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:
WITNESSES:

SURETY

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

University of Kentucky

Tree Protection Standards

01000S02 Tree Protection Standards

Article 56 is in addition to, and takes precedence over the provisions of the Special Conditions for the Project.

ARTICLE 56

PART 1 –GENERAL

56.1.1 SUMMARY

- A. The scope of work includes all labor, materials, tools, equipment, facilities, transportation and services necessary for, and incidental to performing all operations in connection with protection of existing trees and other plants as shown on the drawings and as specified herein.
1. Provide preconstruction evaluations and Arborist Report.
 2. Provide tree and plant protection fencing.
 3. Provide protection of root zones and above ground tree parts and plants.
 4. Provide pruning of existing trees and plants.
 5. Provide all insect and disease control.
 6. Provide maintenance of existing trees and plants including irrigation during the construction period as recommended by the Arborist Report.
 7. Provide maintenance of existing trees and plants including irrigation during the post construction plant maintenance period.
 8. Remove tree protection fencing and other protection from around and under trees and plants.
 9. Clean up and disposal of all excess and surplus material.

56.1.2 CONTRACT DOCUMENTS

A. Shall consist of specifications, general conditions and the drawings. The intent of these documents is to include all labor, materials, and services necessary for the proper execution of the work. The documents are to be considered as one. Whatever is called for by any parts shall be as binding as if called for in all parts.

B. It is the intent of this section that the requirements apply to all sections of the project specification such that any subcontractor must comply with the restrictions on work within designated Tree and Plant Protection Areas.

01000S02 Tree Protection Standards

56.1.3 RELATED DOCUMENTS AND REFERENCES

A. Related Documents:

1. Drawings and general provisions of contract including general and supplementary conditions and Division I specifications apply to work of this section.
2. Section -Planting Soil
3. Section -Irrigation
4. Section -Planting
5. Section –Lawn

B. References: The following specifications and standards of the organizations and documents listed in this paragraph form a part of the specification to the extent required by the references thereto. In the event that the requirements of the following referenced standards and specification conflict with this specification section the requirements of this specification shall prevail. In the event that requirements of any of the following referenced standards and specifications conflict with each other the more stringent requirement shall prevail.

1. ANSI A 300 (Part 5) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Management of Trees & Shrubs During Site Planning, Site Development & Construction. Most current editions.
2. ANSI A 300 (Part 1) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Pruning. Most current editions.
3. ANSI Z133 Safety Requirements for Arboricultural Operations.
4. Glossary of Arboricultural Terms, International Society of Arboriculture, Champaign IL, most current edition.

56.1.4 VERIFICATION

A. All scaled dimensions on the drawings are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions and quantities, and shall immediately inform the Owner's Representative of any discrepancies between the information on the drawings and the actual conditions, refraining from doing any work in said areas until given approval to do so by the Owner's Representative.

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56.1.5 PERMITS AND REGULATIONS

A. The Contractor shall obtain and pay for all permits related to this section of the work unless previously excluded under provision of the contract or general conditions. The Contractor shall comply with all laws and ordinances bearing on the operation or conduct of the work as drawn and specified. If the Contractor observes that a conflict exists between permit requirements and the work outlined in the contract documents, the Contractor shall promptly notify the Owner's Representative in writing including a description of any necessary changes and changes to the contract price resulting from changes in the work.

B. Wherever references are made to standards or codes in accordance with which work is to be performed or tested, the edition or revision of the standards and codes current on the effective date of this contract shall apply, unless otherwise expressly set forth.

C. In case of conflict among any referenced standards or codes or between any referenced standards and codes and the specifications, the more restrictive standard shall apply or Owner's Representative shall determine which shall govern.

56.1.6 PROTECTION OF WORK, PROPERTY AND PERSON

A. The Contractor shall protect the work, adjacent property, and the public, and shall be responsible for any damages or injury due to his/her actions.

56.1.7 CHANGES IN THE WORK

A. The Owner's Representative may order changes in the work, and the contract sum should be adjusted accordingly. All such orders and adjustments plus claims by the Contractor for extra compensation must be made and approved in writing before executing the work involved.

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56.1.8 DEFINITIONS

All terms in this specification shall be as defined in the "Glossary of Arboricultural Terms" or as modified below.

- A. Owner's Representative: The person appointed by the Owner to represent their interest in the Tree and Plant Protection and approval of the work and to serve as the contracting authority with the Contractor. The Owner's Representative may appoint other persons to review and approve any aspects of the work.
- B. Reasonable and Reasonably: When used in this specification is intended to mean that the conditions cited will not affect the establishment or long term stability, health or growth of the plant. This specification recognizes that plants are not free of defects, and that plant conditions change with time. This specification also recognizes that some decisions cannot be totally based on measured findings and that professional judgment is required. In cases of differing opinion, the Owner's Representative expert shall determine when conditions within the plant are judged as reasonable.
- C. Shrub: Woody plants with mature height approximately less than 25 feet.
- D. Tree and Plant Protection Area: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction, and defined by a circle centered on the trunk with each tree with a radius equal to the crown dripline unless otherwise indicated by the owner's representative.
- E. Tree: Single and multi-stemmed plants with anticipated mature height approximately greater than 25 feet or any plant identified on the plans as a tree.

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56.1.9 SUBMITTALS

- A. ARBORIST REPORT: Prior to the start of construction, submit, for approval by the Owner's Representative, the report of a consulting arborist who is a Registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist, which details the following information for all trees to remain within the area designated on the drawings as the Tree and Plant Protection Area. The report shall include the following:
1. A description of each tree to protect indicating the following:
 - a. Genus and species
 - b. Condition including any visible damage to the root system or soil within the root zone
 - c. Tree diameter at 4.5 feet above grade
 - d. Tree height
 - e. Crown width
 - f. Any visible disease and/or insect infestations
 - g. Branch and/or trunk structural deficiencies.
 - h. Appraisal of value
 - i. Appraisal of benefits (storm water interception, heating/cooling, carbon sequestration)
 2. The report shall note all trees or parts of trees, which are considered a hazard or significant or extreme risk level. Include the International Society of Arboriculture Tree Risk Assessment evaluation sheet for each tree, which may reasonably be identified as a potential hazard tree.
 3. Recommendations as to treatment of all insect, disease and structural problems encountered.
 4. Recommendations for fertilizer treatments, if any.
 5. A plan of the site showing the location of all trees included in the report.
- B. PRODUCT DATA: Submit manufacturer product data and literature describing all products required by this section to the Owner's Representative for approval. Provide submittal four weeks before the start of any work at the site.
- C. QUALIFICATIONS SUBMITTAL: For each applicable person expected to work on the project, provide copies of the qualifications and experience of the Consulting Arborist, proof of either the registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist and any required Herbicide/Pesticide license to the Owner's Representative, for review prior to the start of work.

56.1.10 OBSERVATION OF THE WORK

- A. The Owner's Representative may inspect the work at any time.

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56.1.11 PRE-CONSTRUCTION CONFERENCE

A. Schedule a pre-construction meeting with the Owner's Representative at least seven (7) days before beginning work to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.

1. The following Contractors shall attend the preconstruction conference:

- a. General Contractor.
- b. Consulting Arborist.
- c. Subcontractor assigned to install Tree and Plant Protection measures.
- d. Earthwork Contractor.
- e. All site utility Contractors that may be required to dig or trench into the soil.
- f. Landscape subcontractor.
- g. Irrigation subcontractor

B. Prior to this meeting, mark all trees and plants to remain and or be removed as described in this specification for review and approval by the Owner's Representative.

56.1.12 QUALITY ASSURANCE

A. Contractor qualifications:

1. All pruning, branch tie back, tree removal, root pruning, and fertilizing required by this section shall be performed by or under the direct supervision of an ISA Certified Arborist. Submit aforementioned individual's qualifications for approval by the Owner's Representative.
2. All applications of pesticide or herbicide shall be performed by a person maintaining a current state license to apply chemical pesticides valid in the jurisdiction of the project. Submit copies of all required state licensing certificates including applicable chemical applicator licenses.

56.1.13 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN

- A. Specimen trees within or adjacent to construction areas will be identified by the Owner's Representative and the Architect, and marked with green tags. Loss of any of these trees will result in fines assessed at a minimum of \$10,000 (or higher appraised amount that may be determined by the University prior to construction) per tree. Damage to all other trees on the property will be assessed at the rate of \$200 per diameter inch of the tree measured 4.5' above grade.
- B. Any trees or plants designated to remain and which are damaged by the Contractor shall be replaced in kind by the Contractor at their own expense in addition to fines and penalties.

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Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) being replaced. For example, if a 20" diameter tree is to be replaced, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less. Where replacement plants are to be less than the size of the plant that is damaged, the Owner's Representative shall approve the size and quality of the replacement plant.

1. All trees and plants shall be installed per the requirements of Specification Section Planting.
- C. Plants that are damaged shall be considered as requiring replacement or appraisal in the event that the damage affects more than 25 % of the crown, 25% of the trunk circumference, or root protection area, or the tree is damaged in such a manner that the tree could develop into a potential hazard. Trees and shrubs to be replaced shall be removed by the Contractor at his own expense.
1. The Owner's Representative may engage an independent arborist to assess any tree or plant that appears to have been damaged to determine their health or condition.
- D. Any tree that is determined to be dead, damaged or potentially hazardous by the Owner's arborist and upon the request of the Owner's Representative shall be immediately removed by the Contractor at no additional expense to the owner. Tree removal shall include all clean-up of all wood parts and grinding of the stump to a depth sufficient to plant the replacement tree or plant, removal of all chips from the stump site and filling the resulting hole with topsoil.
- E. Any remedial work on damaged existing plants recommended by the Consulting Arborist shall be completed by the Contractor at no cost to the owner. Remedial work shall include but is not limited to: soil compaction remediation and vertical mulching, pruning and or cabling, insect and disease control including injections, compensatory watering, additional mulching, and could include application tree growth regulators (TGR). Any remedial work is to be performed by an ISA Certified Arborist, ISA Board Certified Master Arborist or a Registered Consulting Arborist.
- F. Remedial work may extend up to two years following the completion of construction to allow for any requirements of multiple applications or the need to undertake applications at required seasons of the year.

56.1.14 LOSS OF TREES DUE TO CONSTRUCTION FOOT PRINT

- A. Any trees or plants designated as removals to accommodate construction shall be replaced. Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) removed. For example, if a 20" diameter tree is removed, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as

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directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less.

PART 2 –PRODUCTS

56.2.1 MULCH

The coarse grade Mulch specified here is considered superior for its water retention and soil building properties in areas of tree and shrub roots when irrigation is drip, bubblers or flood methods.

A. Mulch shall be coarse, ground, from tree and woody brush sources. The minimum range of fine particles shall be 3/8 inch or less in size and a maximum size of individual pieces shall be approximately 1 to 1-1/2 inch in diameter and maximum length of approximately 4 to 8 inches. No more than 25% of the total volume shall be fine particles and no more than 20% of total volume be large pieces. Mulch will be applied to a depth of 3 to 5 inches. Mulch shall not come into contact with the tree trunk.

1. It is understood that Mulch quality will vary significantly from supplier to supplier and region to region. The above requirements may be modified to conform to the source material from locally reliable suppliers as approved by the Owner's Representative.

B. Submit supplier's product data that product meets the requirements and two-gallon sample for approval.

56.2.2 WOOD CHIPS

A. Wood Chips from an arborist chipping operation with less than 20% by volume green leaves. Chips stockpiled from the tree removal process may be used. Mulch will be applied to a depth of 5 to 8 inches. Mulch shall not come into contact with the tree trunk.

56.2.3 TREE PROTECTION FENCING

A. Chain link fencing shall be installed around all existing trees to remain. Fencing shall be 6' tall galvanized nine gauge, with 3" end and line post and 1" minimum top rails, and bottom tension wire a maximum of 3" off the ground. Post shall be driven into the ground and spacing shall not exceed 8 feet.

6 feet tall metal chain link fence set in metal frame panels on movable core drilled concrete blocks of sufficient size to hold the fence erect in areas of existing paving to remain.

B. Orange plastic fencing shall be installed on the outside of the chain link fencing to provide high visibility.

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C. GATES: For each fence type and in each separate fenced area, provide a minimum of one 3-foot-wide gate. Gates shall be lockable. The location of the gates shall be approved by the Owner's Representative.

D. Submit supplier's product data that product meets the requirements for approval.

56.2.4 TREE PROTECTION SIGN

A. Heavy-duty laminated or all weather signs, 11 inches x 17 inches, white colored background with black 2 inch high or larger block letters. The signs shall be attached to the tree protection fence every 50 feet. The tree protection sign shall read:

"Tree Protection Area - Keep Out"

The following information shall also be included on the sign:

- i. Genus and species
- ii. Tree diameter
- iii. Tree height
- iv. Appraised value of tree
- v. Benefits provided
 1. Storm water interception in gallons
 2. Carbon sequestration in pounds
 3. Energy Savings

56.2.5 TREE (Plant) GROWTH REGULATOR (TGR/PGR)

A. Active ingredient Paclobutrazol i.e. (ShortStop, Cambistat 25C, Profile 2SC or other)

B. Submit supplier's product data that product meets the requirements for approval.

56.2.6 SOIL & ROOT PROTECTION

On projects where the tree protection fencing cannot be installed to create the desired protection zone.

A. Matting for vehicle and work protection shall be heavy duty matting designed for vehicle loading over tree roots, Altarnamats as manufactured by Altarnamats, Inc. Franklin, PA 16323 or approved equal.

B. 1/2" Steel plates - Following the recommendations of the project arborist steel plates shall be installed to protect the roots from Construction activities.

C. Submit suppliers' product data that product meets the requirements for approval.

56.2.7 GEOGRID

A. Geogrid shall be woven polyester fabric with PVC coating, Uni-axial or biaxial geogrid, inert to biological degradation, resistant to naturally occurring chemicals, alkalis, acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit suppliers' product data that product meets the requirements for approval.

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56.2.8 GEOTEXTILE

A. Geotextile shall be nonwoven polypropylene fibers, inert to biological degradation and resistant of naturally occurring chemicals, alkalis and acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit supplier's product data that product meets the requirements for approval.

PART 3 –EXECUTION

56.3.1 SITE EXAMINATION

A. Examine the site, tree, plant and soil conditions. Notify the Owner's Representative in writing of any conditions that may impact the successful Tree and Plant Protections that is the intent of this section.

56.3.2 COORDINATION WITH PROJECT WORK

A. The Contractor shall coordinate with all other work that may impact the completion of the work.

B. Prior to the start of Work, prepare a detailed schedule of the work for coordination with other trades.

C. Coordinate the relocation of any irrigation lines currently present on the irrigation plan, heads or the conduits of other utility lines or structures that are in conflict with tree locations. Root balls shall not be altered to fit around lines. Notify the Owner's Representative of any conflicts encountered.

56.3.3 TREE AND PLANT PROTECTION AREA

A. The Tree and Plant Protection Area is defined as all areas indicated on the tree protection plan. Where no limit of the Tree and Plant Protection area is defined on the drawings, the limit shall be the drip line (outer edge of the branch spread) of each tree.

56.3.4 PREPARATION

A. Prior to the preconstruction meeting, layout the limits of the Tree and Plant Protection Area and then alignments of required Tree and Plant Protection Fencing and root pruning. Obtain the Owner's Representative's approval of the limits of the protection area and the alignment of all fencing and root pruning.

B. Flag all trees and shrubs to be removed by wrapping blue plastic ribbon around the trunk and obtain the Owner's Representative's approval of all trees and shrubs to be removed prior to the start of tree and shrub removal. After approval, mark all trees and shrubs to be removed with blue paint in a band completely around the base of the shrub(s) and around the trunk of the tree(s) 4.5 feet above the ground.

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C. Flag all trees and shrubs to remain with green plastic ribbon tied completely around the trunk or each tree and on a prominent branch for each shrub. Obtain the Owner's Representative's approval of all trees and shrubs to remain prior to the start of tree and shrub removal.

D. Prior to any construction activity at the site including utility work, grading, storage of materials, or installation of temporary construction facilities, install all tree protection fencing, Geotextile Fabric, silt fence, tree protection signs, Geogrid, Mulch and or Wood Chips as shown on the drawing.

56.3.5 SOIL MOISTURE

A. Volumetric soil moisture level, in all soils within the Tree and Plant Protection Area shall be maintained above permanent wilt point to a depth of at least 8 inches. No soil work or other activity shall be permitted within the Tree and Plant Protection Area when the volumetric soil moisture is above field capacity. The permanent wilt point and field capacity for each type of soil texture shall be defined as follows (numbers indicate percentage volumetric soil moisture).

Soil Type	Permanent wilt point v/v	Field Capacity v/v
Sand, Loamy sand, Sandy Loam	5-8%	12-18%
Loam, Sandy clay, Sandy clay loam	14-25%	27-36%
Clay loam, Silt loam	11-22%	31-36%
Silty clay, Silty clay loam	22-27%	38-41%

1. Volumetric soil moisture shall be measured with a digital, electric conductivity meter. The meter shall be the Digital Soil Moisture Meter, DSMM500 by General Specialty Tools and Instruments, or approved equivalent meter.

B. The Contractor shall confirm the soil moisture levels with a moisture meter. If the moisture is too high, suspend operations until the soil moisture drains to below field capacity.

56.3.6 ROOT PRUNING

A. Prior to any excavating into the existing soil grade within 25 feet of the limit of the Tree and Plant Protection Area or trees to remain, root prune all existing trees to a depth of 24 inches below existing grade in alignments following the edges of the Tree and Plant Protection Area or as directed by the Owner's Representative. Root pruning shall be in conformance with ANSI A300 Root Management Standard (part 8) latest edition.

1. Using an air excavation tool to expose roots within 2 feet of the limit of grading.

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2. After completion of excavation, make clean cuts with a lopper, saw or pruner to sever roots so they will not be torn, ripped or damaged by the excavation, and backfill the trench immediately with existing soil, filling all voids.

56.3.7 INSTALLATION OF GEOGRIDS, GEOTEXTILE FABRICS, MATTING, WOOD CHIPS AND OR MULCH

A. Install geogrids, geotextile fabric, matting, wood chips and or mulch in areas and depths shown on the plans and details or as directed by the Owner's representative. In general, it is the intent of this specification to provide the following levels of protection:

1. All areas within the Tree and Plant Protection area provide a minimum of 5 inches of wood chips or mulch.
2. Areas where foot traffic or storage of lightweight materials is anticipated to be unavoidable provide a layer of Filter Fabric under the 5 inches of wood chips or mulch.
3. Areas where occasional light vehicle traffic is anticipated to be unavoidable, provide approved matting or a layer of geogrids under 8 inches of wood chips or mulch.
4. Areas where heavy vehicle traffic is unavoidable provide approved matting or a layer of geogrids under 8 -12 inches of wood chips or mulch and a layer of matting over the wood chips or mulch.

B. The Owner's Representative shall approve the appropriate level of protection.

C. In the above requirements, light vehicle is defined as a track skid steer with a ground pressure of 4 psi or lighter. A heavy vehicle is any vehicle with a tire or track pressure of greater than 4 psi. Lightweight materials are any packaged materials that can be physically moved by hand into the location. Bulk materials such as soil, or aggregate shall never be stored within the Tree and Plant Protection Area.

56.3.8 PROTECTION

A. Protect the Tree and Plant Protection Area at all times from compaction of the soil; damage of any kind to trunks, bark, branches, leaves and roots of all plants; and contamination of the soil, bark or leaves with construction materials, debris, silt, fuels, oils, and any chemicals substance. Notify the Owner's Representative of any spills, compaction or damage and take corrective action immediately using methods approved by the Owner's Representative.

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56.3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA:

A. The Contractor shall not engage in any construction activity within the Tree and Plant Protection Area without the approval of the Owner's Representative including: operating, moving or storing equipment; storing supplies or materials; locating temporary facilities including trailers or portable toilets and shall not permit employees to traverse the area to access adjacent areas of the project or use the area for lunch or any other work breaks. Permitted activity, if any, within the Tree and Plant Protection Area may be indicated on the drawings along with any required remedial activity as listed below.

B. In the event that construction activity is unavoidable within the Tree and Plant Protection Area, notify the Owner's Representative and submit a detailed written plan of action for approval. The plan shall include: a statement detailing the reason for the activity including why other areas are not suited; a description of the proposed activity; the time period for the activity, and a list of remedial actions that will reduce the impact on the Tree and Plant Protection Area from the activity. Remedial actions shall include but shall not be limited to the following:

1. In general, demolition and excavation within the drip line of trees and shrubs shall proceed with extreme care either by the use of hand tools, directional boring and or air excavation where indicated or with other low impact equipment that will not cause damage to the tree, roots or soil.
2. When encountered, exposed roots, 1 inches and larger in diameter shall be worked around in a manner that does not break the outer layer of the root surface (bark). These roots shall be covered in Wood Chips and shall be maintained above permanent wilt point at all times. Roots one inch and larger in diameter shall not be cut without the approval of the Owner's Representative. Excavation shall be tunneled under these roots without cutting them. In the areas where roots are encountered, work shall be performed and scheduled to close excavations as quickly as possible over exposed roots.
3. Tree branches that interfere with the construction may be tied back or pruned to clear only to the point necessary to complete the work. Other branches shall only be removed when specifically indicated by the Owner's Representative. Tying back or trimming of all branches and the cutting of roots shall be in accordance with accepted arboricultural practices (ANSI A300, parts 1 and 8) and be performed by or direct under supervision of an ISA Certified Arborist.
4. Matting: Install temporary matting over the Wood Chips or Mulch to the extent indicated. Do not permit foot traffic, scaffolding or the storage of materials within the Tree and Plant Protection Area to occur off of the temporary matting.
5. Trunk Protection: Protect the trunk of each tree to remain by covering it with a ring of 8-foot-long 2-inch x 6 -inch planks loosely banded onto the tree with 3 steel bands.

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Staple the bands to the planks as necessary to hold them securely in place. Trunk protection may be kept in place no longer than 12 months. If construction requires work near a particular tree to continue longer than 12 months, the steel bands shall be inspected every six months and loosened if they are found to have become tight.

6. Air Excavation Tool: If excavation for footings or utilities is required within the Tree and Plant Protection Area, air excavation tool techniques shall be used where practical or as designed on the drawings.

a. Remove the Wood Chips from an area approximately 18 inches beyond the limits of the hole or trench to be excavated. Cover the Wood Chips for a distance of not less than 15 feet around the limit of the excavation area with Filter Fabric, tarp plastic sheeting to protect the Wood Chips from silt. Mound the Wood Chips so that the plastic slopes towards the excavation.

b. Using a sprinkler or soaker hose, apply water slowly to the area of the excavation for a period of at least 4 hours, approximately 12 hours prior to the work so that the ground water level is at or near field capacity at the beginning of the work. For excavations that go beyond the damp soil, rewet the soil as necessary to keep soil moisture near field capacity.

c. Using an air excavation tool specifically designed and manufactured for the intended purpose, and at pressures recommended by the manufacturer of the equipment, fracture the existing soil to the shape and the depths required. Work at rates and using techniques that do not harm tree roots. Air pressure shall be a maximum of 90-100 psi.

i. The air excavation tool shall be either the "Air-Spade" as manufactured by Division of Guardair Corporation 47 Veterans Drive Chicopee, MA 01022 (800)-482-7324, or Supersonic Air Knife as manufactured by Easy Use Air Tools, Inc. Allison Park, Pa (866) 328-5723 or approved equal.

d. Using a commercial, high-powered vacuum truck if required, remove the soil from the excavation produced by the Air Knife excavation. The vacuum truck should generally operate simultaneously with the hose operator, such that the soil produced is picked up from the excavation hole, and the exposed roots can be observed and not damaged by the ongoing operation. Do not drive the vacuum truck into the Tree and Plant Protection Area unless the area is protected from compaction as approved in advance by the Owner's Representative.

e. Remove all excavated soil and excavated wood chips, and contaminated soil at the end of the excavation.

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- f. Schedule the work so that foundations or utility work is completed immediately after the excavation. Do not let the roots dry out. Mist the roots several times during the day. If the excavated area must remain open overnight, mist the roots and cover the excavation with black plastic.
- g. Dispose of all soil in a manner that meets local laws and regulations.
- h. Restore soil within the trench as soon as the work is completed. Utilize soil of similar texture to the removed soil and lightly compact with hand tools. Leave soil mounded over the trench to a height of approximately 10% of the trench depth to account for settlement.
- i. Restore any geogrids, filter fabric, wood chips or mulch and or matting that was required for the area.

56.3.10 GRADING AND FILLING AROUND TREES

- A. Maintain existing grade within drip line of trees. Any variance to this will be executed only after consultation and recommendation from the Campus Arborist.
- B. Where existing grade is above new finish grade shown around trees, carefully hand excavate within drip line to new grade. Cut exposed roots approximately 3" below elevation of new finish grade. Engage an ISA certified Arborist to recommend procedures to compensate for loss of roots and to provide initial services such as pruning of branches and stimulation of root growth. Provide subsequent maintenance during contract period as recommended by the arborist. Provide Grounds Superintendent with typed instructions for recommended long range maintenance procedures to be followed after completion of construction operations.
- C. For minor fills where the existing grade is 4" or less below elevation of finish grade shown, use a topsoil type fill material rich in organic matter and loamy in texture. Place in single layers not more than two inches at a time and do not compact.
- D. Fills greater than four inches shall only be attempted after consultation with the Campus Arborist. Detailed shop drawings of proposed work shall be submitted and approved by the Campus Arborist prior to any work. A progress schedule shall be established to monitor the work.

56.3.11 TREE REMOVAL:

- A. Tree removals shall be performed by ISA Certified Arborists and companies shall have appropriate licenses and insurance for tree removal operations.
- B. Remove all trees indicated by the drawings and specifications, as requiring removal, in a manner that will not damage adjacent trees or structures or compacts the soil.

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- C. Remove trees that are adjacent to trees or structures to remain, in sections, to limit the opportunity of damage to adjacent crowns, trunks, ground plane elements and structures.
- D. Do not drop trees with a single cut unless the tree will fall in an area not included in the Tree and Plant Protection Area and there are no underground utilities that may be damaged. No tree to be removed within 50 feet of the Tree and Plant Protection Area shall be pushed over or up-rooted using a piece of grading equipment.
- E. Protect adjacent paving, soil, trees, shrubs, ground cover plantings and understory plants to remain from damage during all tree removal operations, and from construction operations. Protection shall include the root system, trunk, limbs, and crown from breakage or scarring, and the soil from compaction.
- F. Remove stumps and immediate root plate from existing trees to be removed. Grind trunk bases and large buttress roots to a depth of the largest buttress root or at least 18 inches below the top most roots whichever is less and over the area of three times the diameter of the trunk (DBH).
1. For trees where the stump will fall under new paved areas, grind roots to a total depth of 18 inches below the existing grade. If the sides of the stump hole still have greater than approximately 20% wood visible, continue grinding operation deeper and or wider until the resulting hole has less than 20% wood. Remove all wood chips produced by the grinding operation and back fill in 8 inch layers with controlled fill of a quality acceptable to the site engineer for fill material under structures, compacted to 95% of the maximum dry density standard proctor. The Owner's Representative shall approve each hole at the end of the grinding operation.
 2. In areas where the tree location is to be a planting bed or lawn, remove all woodchips and backfill stump holes with planting soil as defined in Specification Section Planting Soil, in maximum of 12 inch layers and compact to 80-85% of the maximum dry density standard proctor.
- G. Wood salvaged for up cycling will be identified by the Owner's Representative.
1. Sections of salvaged wood shall have a clean, flat cut across both ends.
 2. Ends of wood sections shall be sealed with AnchorSeal after being cut and before being loaded. Branch cuts on the length of wood sections shall be sealed with AnchorSeal.
 3. Care shall be taken when loading wood and logs not to damage the bark connection to the wood.
 4. Wood and logs shall be stored so there is no contact with the ground. Wood and logs should be elevated from the ground by placing on cross beams of wood, concrete or steel. Wood and logs may also be stored on a gravel, concrete or asphalt pad.

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56.3.12 PRUNING:

- A. Within six months of the estimated date of substantial completion, prune all dead or hazardous branches larger than 2 inch in diameter from all trees to remain.
- B. Implement all pruning recommendations found in the Arborist Report.
- C. Prune any low, hanging branches and vines from existing trees and shrubs that overhang walks, streets and drives, or parking areas as follows:
 - 1. Walks - within 7 feet vertically of the proposed walk elevation.
 - 2. Parking areas - within 10 feet vertically of the proposed parking surface elevation.
 - 3. Streets and drives - within 12 feet vertically of the proposed driving surface elevation.
- D. All pruning shall be done in accordance with ANSI A300 (part 1), ISA BMP Tree Pruning (latest edition, and the "Structural Pruning: A Guide for the Green Industry", Edward Gilman, Brian Kempf, Nelda Matheny and Jim Clark, 2013 Urban Tree Foundation, Visalia CA.
- E. Perform other pruning task as indicated on the drawings or requested by the Owner's Representative.
- F. Where tree specific disease vectors require, sterilize all pruning tools between the work in individual trees.

56.3.13 TREE (Plant) GROWTH REGULATOR APPLICATION (TGR/PGR)

- A. At the start of, or prior to, the construction contract period, treat all trees indicated on the Plan with Tree Growth Regulator at the recommended rates, time of year and methods indicated by the product distributor.

56.3.14 WATERING

- A. The Contractor shall be fully responsible to ensure that adequate water is provided to all plants to be preserved during the entire construction period. Adequate water is defined to be maintaining soil moisture above the permanent wilt point to a depth of 8 inches or greater.
- B. The Contractor shall adjust the automatic irrigation system, if available, and apply additional water, using hoses or water tanks as required.
- C. Periodically test the moisture content in the soil within the root zone to determine the water content.

56.3.15 TURF AND WEED MAINTENANCE

- A. Turf areas within the Tree and Plant Protection area shall be maintained in a manner that is consistent with University turf maintenance standards. This includes mowing, weed eating, edging, fertilization, weed control and leaf collection.

01000S02 Tree Protection Standards

B. During the construction period, control any plants that seed in and around the fenced Tree and Plant Protection area at least three times a year.

1. All plants that are not shown on the planting plan or on the Tree and Plant Protection Plan to remain shall be considered as weeds.

C. At the end of the construction period provide one final mowing and weeding of the Tree and Plant Protection Area.

56.3.16 INSECT AND DISEASE CONTROL

A. Monitor all plants to remain for disease and insect infestations during the entire construction period. Provide all disease and insect control required to keep the plants in a healthy state using the principles of Integrated Plant Management (IPM). All pesticides shall be applied by a certified pesticide applicator.

56.3.17 CLEAN-UP

A. During tree and plant protection work, keep the site free of trash, pavements reasonably clean and work area in an orderly condition at the end of each day. Remove trash and debris in containers from the site no less than once a week.

1. Immediately clean up any spilled or tracked soil, fuel, oil, trash or debris deposited by the Contractor from all surfaces within the project or on public right of ways and neighboring property.

B. Once tree protection work is complete, wash all soil from pavements and other structures. Ensure that Mulch is confined to planting beds.

C. Make all repairs to grades, ruts, and damage to the work or other work at the site.

D. Remove and dispose of all excess Mulch, Wood Chips, packaging, and other material brought to the site by the Contractor.

56.3.18 REMOVAL OF FENCING AND OTHER TREE AND PLANT PROTECTION

A. At the end of the construction period or when requested by the Owner's Representative remove all fencing, Wood Chips or Mulch, Geogrids and Geotextile Fabric, trunk protection and or any other Tree and Plant Protection material.

END OF SECTION

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REPORT OF GEOTECHNICAL EXPLORATION



Proposed University of Kentucky Cancer Center/ASC Development

Lexington, Fayette County, Kentucky

Prepared for: Raymond Haunsz

University of Kentucky

Lexington, Kentucky

June 24, 2022

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June 24, 2022

Mr. Raymond Haunsz
Project Manager
University of Kentucky
Capital Project Management Division
222 Frank D. Peterson Service Building
Lexington, Kentucky 40506-0005

Subject: **Report of Preliminary Geotechnical Exploration
University of Kentucky Proposed Cancer Center/ASC Development
Lexington, Fayette County, Kentucky
Solid Ground Project No.: 22-254**

Mr. Haunsz,

Solid Ground Consulting Engineers, PLLC (Solid Ground) is pleased to present our Preliminary Report of Geotechnical Exploration. This report is for the proposed University of Kentucky Proposed Cancer Center/ASC development to be located in Lexington, Kentucky. The geotechnical exploration was conducted in general accordance with the scope of work agreed upon in Solid Ground proposal 22-067 dated May 23, 2022.

This report contains our findings and recommendations for the referenced project detailed above. Once completed, it is recommended that Solid Ground have the opportunity to review plans and specifications. In addition, it is recommended that Solid Ground be retained to perform observations during shallow foundations construction. Solid Ground will not be held responsible for interpretations and field observations made by others.

We appreciate the opportunity to provide our consulting services to you. We look forward to working with you on this and future projects.

Sincerely,

SOLID GROUND CONSULTING ENGINEERS, PLLC

Tim McClure
Vice President

Blake Davis, PE
President



Solid Ground Consulting Engineers, PLLC • 1419 Lexington Road • Richmond, Kentucky 40475

Phone: 859.537.2183 • www.solidgroundce.com

1.0 Executive Summary

Solid Ground Consulting Engineers performed a geotechnical exploration in support of the proposed University of Kentucky proposed Cancer Center/ASC development located in Lexington, Fayette County, Kentucky. The approximate coordinates of the site are 38.029861°N, -84.511436°W.

1.1 Summary of Findings

Solid Ground conducted a total of fifteen (15) soil test borings at the site, all located at the approximate locations of the development.

Soil overburden generally consisted of a layer of surficial material including topsoil, asphalt, gravel, and concrete underlain by undocumented fill materials and natural soils described as silt (ML) and lean clay (CL) to refusal depths. All borings encountered auger refusal at depths ranging between 3.8 and 21.8 feet.

2.0 Project Information

2.1 Purpose and Scope of Services

The purpose of this subsurface exploration was to investigate the bearing medium for the proposed development. Our scope of work included the following:

- ▲ A discussion of encountered site surface conditions.
- ▲ A discussion of subsurface conditions encountered as well as a discussion of the published geologic conditions at the site.
- ▲ Boring logs will be summarized in the report and listed in the appendix.
- ▲ A discussion of general geotechnical conditions and concerns which may affect the design or construction of the project.

2.2 Project Description

Based on our understanding of this project, it is envisioned to include multiple structure including a new parking structure and approximately 260,000 square feet of clinic space. Currently, the project is still in the schematic design phase. Therefore, exact structure locations and structural loading information are unknown currently. The purpose of this preliminary geotechnical investigation is to determine the depth to bedrock at various

locations within the proposed project area. The approximate site location is depicted below in Figure 1.



Figure 1: Approximate Site Location

2.3 Site Conditions

Solid Ground personnel visited the site throughout the duration of the project to observe existing conditions, to help interpret the subsurface data and to detect conditions which could affect recommendations. The site is located between Conn Terrace and Waller Avenue including State Street and University Avenue, in Lexington, Fayette County, Kentucky.

3.0 Subsurface Findings and Encountered Conditions

3.1 Published Geologic Information

Geologic information was referenced from the Kentucky Geological Survey (KGS), geologic maps of the Lexington West Quadrangle, Fayette County, Kentucky (Figure 2). The site is

underlain by members of the Lexington Limestone. Locally, the members are primarily described as micrograined, argillaceous, cherty, and interbedded with shale, Lower to Middle Ordovician in age.

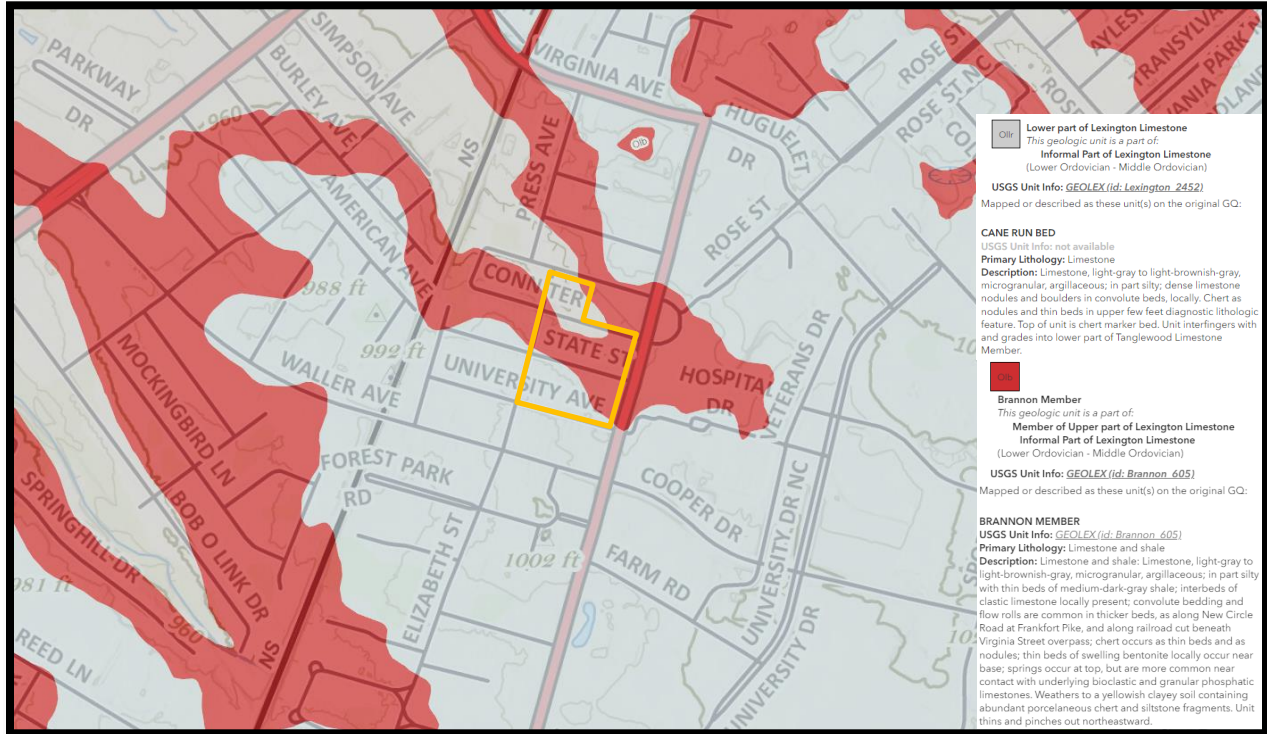


Figure 2: KGS Geologic Mapping

The KGS mapping (Figure 3) indicates that the underlying rock units have intense karst potential, with a couple mapped sinkholes within the vicinity of the site. Solid Ground should be contacted if any karst activity is encountered in construction for remediation recommendations.

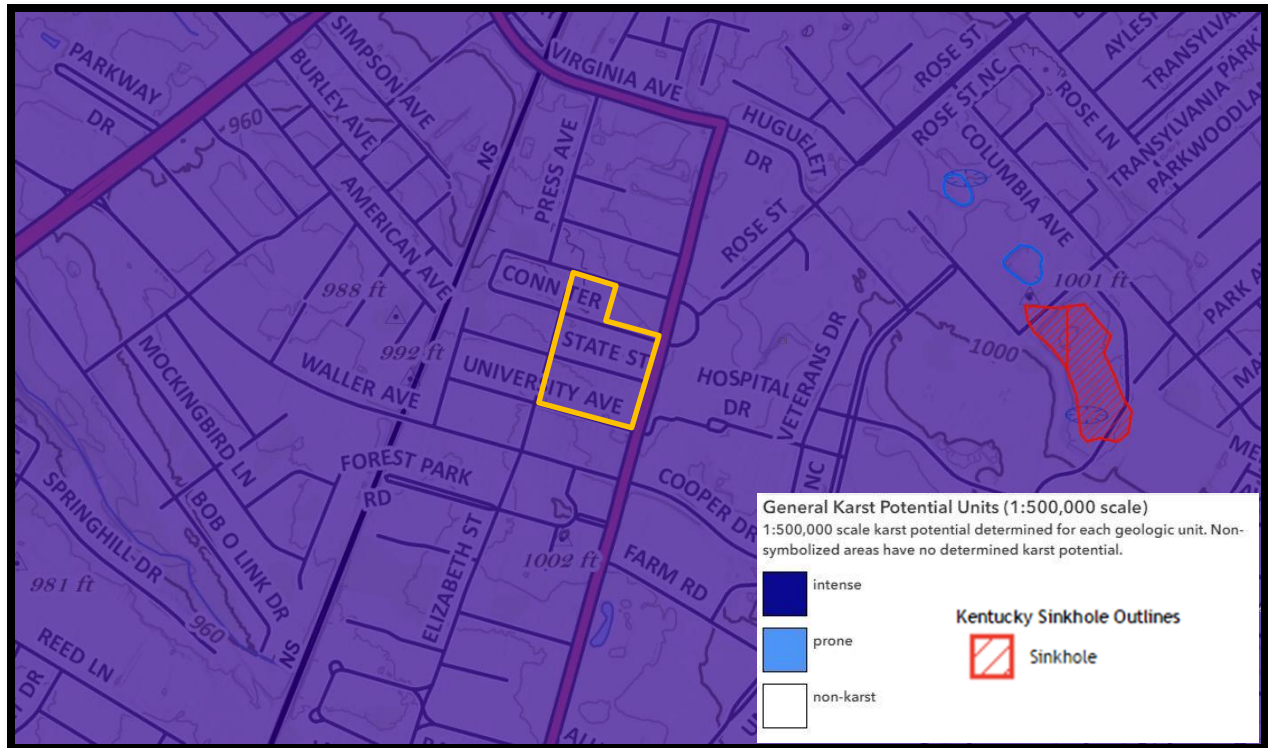


Figure 3: KGS Karst Potential Mapping

3.2 Subsurface Exploration Program

Solid Ground conducted a total of fifteen (15) soil test borings at the site, all located at the approximate locations of future developments. Borings were located as close to the proposed development locations as site conditions allowed.

Boring surface elevations were measured in the field by Solid Ground personnel using Carlson GPS equipment. Therefore, the boring locations and surface elevations should be considered approximate. It should be noted that the subsurface conditions will vary between borings and the representative profile is based upon the number of borings drilled during the field operations. Boring locations are shown in Figure 4 below.

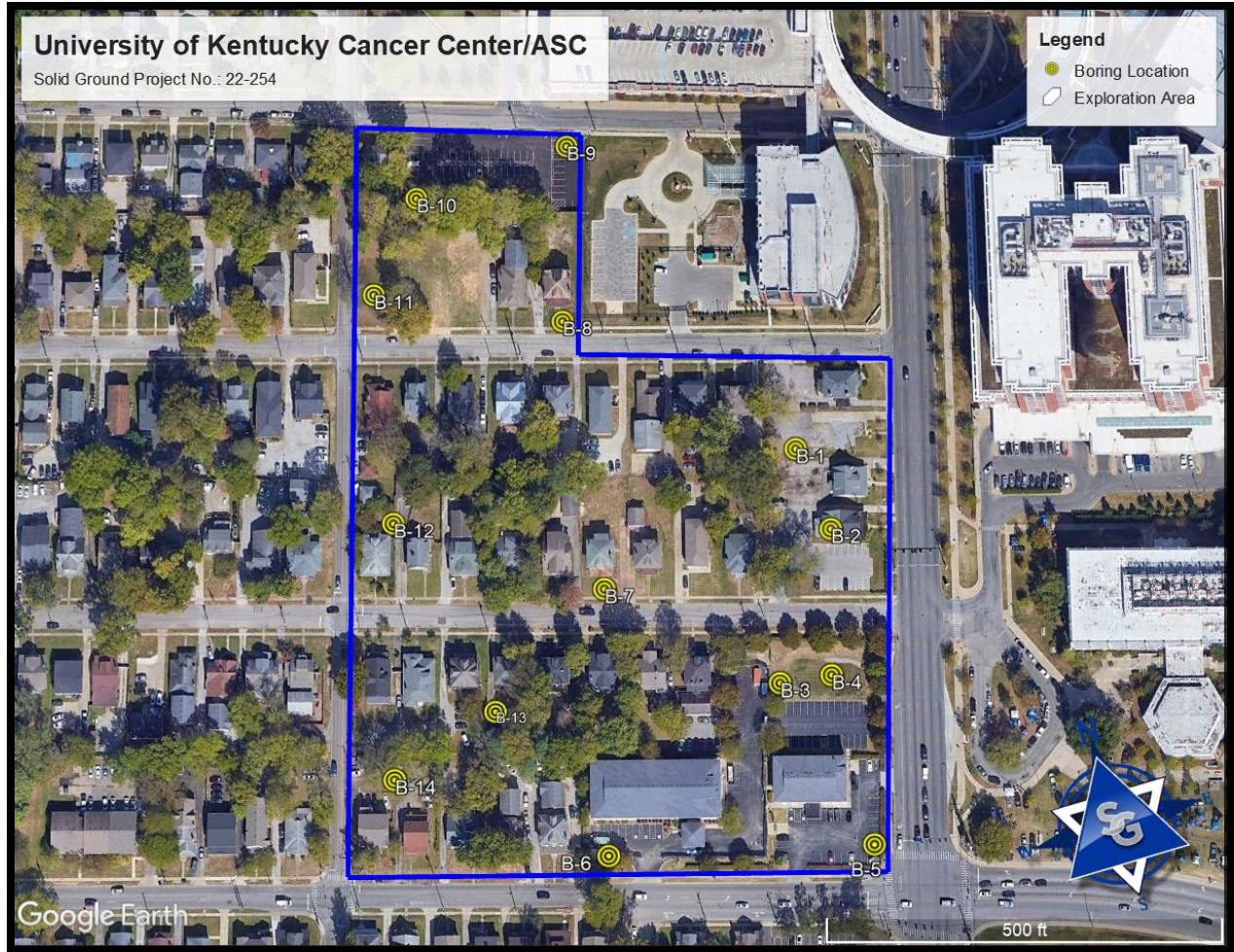


Figure 4: Approximate Boring Locations

3.3 Subsurface Conditions

The soil samples were visually classified by Solid Ground personnel according to the Unified Soil Classification System (USCS, ASTM D2487). A description of each soil layer as follows.

Surficial Materials – The borings encountered a surficial layer of topsoil, asphalt, gravel, and concrete (0-30 inches). It should be noted that thicknesses of these materials may vary across the site. The thicknesses presented in this report should be considered approximate.

Undocumented Fill - The borings encountered undocumented fill material in several borings underlying the surficial materials layer described as silt (ML) and lean clay (CL). The SPT N-values ranged from 10 to 50 blows per foot, with consistencies of firm to hard.

Natural Soils - The borings encountered natural soils underlying the undocumented fill layer described as silt (ML) and lean clay (CL) sometimes with chert fragments, to auger refusal depths. The SPT N-values ranged from 5 to 50 blows per foot, with consistencies of soft to hard.

Auger Refusal - All borings encountered auger refusal at depths ranging between 3.8 and 21.8 feet.

Detailed descriptions and strength characteristics are included on the boring logs in Appendix A.

Groundwater - Groundwater was not encountered within the borings. Free groundwater levels fluctuate with seasonal weather conditions and may vary. Therefore, the borings may not be representative of the actual free water levels. To achieve an accurate measurement of free groundwater levels, water wells or piezometers should be installed.

Solid Ground should be contacted if groundwater is encountered during earthwork operations. Please note, the groundwater table can fluctuate significantly which could have an impact on the subsurface soils. Table 1 summarizes our findings.

Table 1: Boring Summary

Boring Number	Approximate Surface Elevation (ft)	Auger Refusal Depth (ft)	Depth to Bedrock (ft)
B-1	974.6	965.9	8.7
B-2	976.3	966.6	9.7
B-3	982.7	967.6	15.1
B-4	975.4	971.6	3.8
B-4a	975.4	967.6	7.8
B-5	985.5	977.0	8.5
B-6	990.9	985.6	5.3
B-7	984.4	966.6	17.8
B-8	975.2	961.9	13.3
B-9	963.0	953.8	9.2

Boring Number	Approximate Surface Elevation (ft)	Auger Refusal Depth (ft)	Depth to Bedrock (ft)
B-10	971.7	957.5	14.2
B-11	978.9	964.3	14.6
B-12	988.7	966.9	21.8
B-13	994.9	984.4	6.5
B-14	996.6	985.6	11.0

4.0 Report Limitations

This report has been prepared for the exclusive use of Mr. Raymond Haunsz, for specific application to the project site. Our recommendations have been prepared using generally accepted standards of geotechnical engineering practice in the Commonwealth of Kentucky. No other warranty is expressed or implied.

5.0 Associated Geotechnical Risks

The analytical tools which are used by the geotechnical engineer in this area are generally empirical and must be used in conjunction with professional engineering judgment and experience. Therefore, the recommendations presented in this geotechnical exploration should not be considered risk-free and are not a guarantee that the proposed structure will perform as planned. The engineering recommendations presented in this are based on the information gathered during the subsurface exploration, information provided by you and past experience with similar projects.

APPENDICES

APPENDIX A – BORING LOGS



APPENDIX A – BORING LOGS



Project Number: 22-254

**Boring Log
B-1**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: May 31, 2022 *Approximate Surface Elevation: 974.6 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
974.6	0.0	Gravel (30 inches)	[Symbol]									
973.6	1.0											
973.1	1.5											
972.1	2.5	FILL: STIFF brown, silty LEAN CLAY (CL), moist	[Symbol]	2.5	SPT	2 5 6	11					
971.6	3.0											
970.9	3.7	STIFF to VERY STIFF dark brown, silty LEAN CLAY (CL), moist	[Symbol]	4.0	SPT	2 4 8	12					
970.6	4.0											
968.6	6.0											
968.1	6.5											
967.1	7.5											
966.6	8.0	Auger Refusal at 8.7' Begin Coring	[Symbol]									
965.9	8.7											
965.9	8.7	LIMESTONE, gray, shale streaks, hard, verticle fracture 9.8-10.5'	[Symbol]		Run	Recovery	RQD	97				
965.6	9.0											
964.6	10.0											
963.6	11.0											
962.6	12.0											
961.6	13.0											
960.6	14.0											
959.6	15.0											
958.6	16.0											
957.6	17.0											
956.6	18.0											
955.9	18.7											
955.6	19.0											
	20.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-2**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 976.3 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
976.3	0.0	Topsoil (4 inches)										
976.0	0.3	SOFT brown, clayey SILT (ML), moist		2.5	SPT	1 1 2	3					
974.8	1.5											
973.8	2.5											
973.3	3.0											
972.3	4.0	FIRM to VERY STIFF dark brown/gray, clayey SILT (ML), moist		4.0	SPT	2 2 3	5					
971.3	5.0											
970.3	6.0											
969.8	6.5											
968.5	7.8	HARD dark brown/gray, clayey SILT (ML), chert fragments, moist		9.0	SPT	4 50/2"	50					
968.3	8.0											
967.3	9.0											
966.6	9.7	Auger Refusal at 9.7' Begin Coring										
966.6	9.7	LIMESTONE, gray, shale streaks, hard		Run	Recovery	90	RQD	73				
966.3	10.0											
965.3	11.0											
964.3	12.0											
963.3	13.0											
962.3	14.0											
961.3	15.0											
960.3	16.0											
959.3	17.0											
958.3	18.0											
957.3	19.0											
956.3	20.0	Coring Terminated at 20.0'										
955.3	21.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-3**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: May 31, 2022 *Approximate Surface Elevation: 982.7 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
982.7	0.0	Topsoil (5 inches)										
982.3	0.4	FIRM brown, clayey SILT (ML), moist		2.5	SPT	4 4 5	9					
981.2	1.5											
980.2	2.5											
979.7	3.0											
978.7	4.0											
977.7	5.0											
976.7	6.0	FIRM to STIFF brown, silty LEAN CLAY (CL), moist		6.5	SPT	2 5 7	12					
976.2	6.5											
975.2	7.5											
974.7	8.0											
973.7	9.0											
972.7	10.0											
971.7	11.0			14.5	SPT	1 50/1"	50					
971.2	11.5											
969.7	13.0											
968.2	14.5											
967.6	15.1											
		Auger Refusal at 15.1' Begin Coring										
967.6	15.1	LIMESTONE, gray, shale interbedded, hard			Run	Recovery	RQD	98				
966.7	16.0											
965.7	17.0											
964.7	18.0											
963.7	19.0											
962.7	20.0											
961.7	21.0											
960.7	22.0											
959.7	23.0											
958.7	24.0											
957.6	25.1	Coring Terminated at 25.1'										
	26.0											
	27.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-4**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: May 31, 2022 *Approximate Surface Elevation: 975.4 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
975.4	0.0	Topsoil (5 inches)										
975.0	0.4	FILL: STIFF brown, clayey SILT (ML), moist		2.5	SPT	5 5 50/2"	50					
973.9	1.5											
972.9	2.5											
972.0	3.4											
971.6	3.8	FILL: STIFF black, clayey SILT (ML), moist										
970.4	5.0	Auger Refusal at 3.8'										
969.4	6.0											
968.9	6.5											
967.9	7.5											
967.4	8.0											
966.4	9.0											
965.4	10.0											
964.4	11.0											
963.9	11.5											
962.4	13.0											
961.4	14.0											
960.4	15.0											
959.4	16.0											
958.9	16.5											
957.4	18.0											
956.4	19.0											
955.4	20.0											
954.4	21.0											
953.4	22.0											
952.4	23.0											
	24.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-4a**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: May 31, 2022 *Approximate Surface Elevation: 975.4 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
975.4	0.0	Topsoil (5 inches)										
974.4	1.0	STIFF brown, silty LEAN CLAY (CL), moist										
973.9	1.5											
972.9	2.5			2.5	SPT	3 4 7	11					
972.4	3.0											
971.4	4.0			4.0	SPT	3 5 6	11					
970.4	5.0											
969.4	6.0											
968.9	6.5			6.5	SPT	50/4"	50					
967.6	7.8	Auger Refusal at 7.8' Begin Coring										
967.6	7.8	LIMESTONE, gray, interbedded shale, hard			Run 7.8- 16.8	Recovery 96	RQD 84					
967.4	8.0											
966.4	9.0											
965.4	10.0											
964.4	11.0											
963.4	12.0											
962.4	13.0											
961.4	14.0											
960.4	15.0											
959.4	16.0											
958.6	16.8											
958.4	17.0			Coring Terminated at 16.8'								
957.4	18.0											
956.4	19.0											
	20.0											

Boring Logs are for informational purposes only.
Boring includes conditions observed during the site visit and for this particular location.
Soil was visually classified in the field.
*Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-5**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 985.5 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
985.5	0.0	Asphalt/Gravel/Concrete (20 inches)										
984.5	1.0											
983.9	1.6											
983.0	2.5	FIRM to STIFF brown, clayey SILT (ML), moist		2.5	SPT	2 3 4	7					
982.5	3.0											
981.5	4.0											
981.0	4.5	SOFT brown, silty LEAN CLAY (CL), moist		6.5	SPT	2 2 2	4					
979.5	6.0											
979.0	6.5											
978.0	7.5	waethered LIMESTONE										
977.1	8.4											
977.0	8.5											
		Auger Refusal at 8.5' Begin Coring										
977.0	8.5	LIMESTONE, gray, clay seams, interbedded shale, hard			Run	Recovery	RQD					
976.5	9.0											
975.5	10.0											
974.5	11.0											
973.5	12.0											
972.5	13.0											
971.5	14.0											
970.5	15.0											
969.5	16.0											
968.5	17.0											
967.5	18.0											
	18.5	Coring Terminated at 18.5'										
966.5	19.0											
	24.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-6**



SOLID GROUND
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Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 990.9 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)	
990.9	0.0	Asphalt (3 inches)	[Symbol]										
990.7	0.2	Gravel (21 inches)	[Symbol]										
988.9	2.0												
988.4	2.5	STIFF brown, clayey SILT (ML), moist	[Symbol]	2.5	SPT	3 7 5	12						
987.9	3.0												
987.1	3.8				4.0	SPT	2 3 50/4"	50					
985.9	5.0	STIFF brown, silty LEAN CLAY (CL), moist	[Symbol]										
985.6	5.3												
		Auger Refusal at 5.3' Begin Coring											
985.6	5.3	LIMESTONE, gray, interbedded shale, hard	[Symbol]		Run								
984.9	6.0				5.3-	Recovery	95	RQD	45				
983.9	7.0				15.3								
982.9	8.0												
981.9	9.0												
980.9	10.0												
979.9	11.0												
978.9	12.0												
977.9	13.0												
976.9	14.0												
975.6	15.3	Coring Terminated at 15.3'	[Symbol]										
974.9	16.0												
973.9	17.0												
972.9	18.0												
971.9	19.0												
970.9	20.0												
	21.0												

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-8**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

Project Name: UK Cancer Center

Weather: Clear Date: June 2, 2022 *Approximate Surface Elevation: 975.2 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (psf)
975.2	0.0	Gravel (8 inches)										
974.2	1.0	FIRM brown, clayey SILT (ML), moist										
973.7	1.5											
972.7	2.5			2	2	4	6					
972.2	3.0											
971.2	4.0			3	6	11	17					
970.2	5.0	STIFF to VERY STIFF brown, silty LEAN CLAY (CL), chert fragments, moist										
969.2	6.0											
968.7	6.5			3	6	8	14					
967.7	7.5											
967.2	8.0			5	19	9	28					
966.2	9.0											
965.2	10.0											
964.2	11.0											
963.7	11.5											
961.9	13.3	Auger Refusal at 13.3' Begin Coring										
961.9	13.3	LIMESTONE, gray shale streaks, hard			Run		RQD					
961.2	14.0			13.3-	98	60						
960.2	15.0			18.8								
959.2	16.0											
958.2	17.0											
957.2	18.0											
956.2	19.0			18.8-	100	59						
955.2	20.0			25.8								
954.2	21.0											
953.2	22.0											
952.2	23.0											
951.2	24.0											
950.2	25.0			25.8-	100	58						
949.2	26.0			35.8								
948.2	27.0											
947.2	28.0											
946.2	29.0											
945.2	30.0											
944.2	31.0											
943.2	32.0											
942.2	33.0											
941.2	34.0											
939.4	35.8											
939.2	36.0	Coring Terminated at 35.8'										
938.2	37.0											

Boring Logs are for informational purposes only.
 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-9**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

Project Name: UK Cancer Center

Weather: Clear Date: June 2, 2022 *Approximate Surface Elevation: 963.0 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
963.0	0.0	Asphlat/Gravel (16 inches)										
962.0	1.0											
961.7	1.3											
960.5	2.5	FIRM dark brown, clayey SILT (ML), moist		2.5	SPT	1 3 4	7					
960.0	3.0											
959.0	4.0											
958.3	4.7	FIRM brown, silty LEAN CLAY (CL), chert fragments, moist		9.0	SPT	50/2"	50					
957.0	6.0											
956.5	6.5											
955.5	7.5											
955.0	8.0											
954.0	9.0	Auger Refusal at 9.2' Begin Coring										
953.8	9.2											
953.8	9.2	LIMESTONE, gray, shale streaks, hard			Run	Recovery	RQD					
953.0	10.0											
952.0	11.0											
951.0	12.0											
950.4	12.6											
950.0	13.0	Coring Terminated at 12.6'										
949.0	14.0											
948.0	15.0											
947.0	16.0											
946.0	17.0											
945.0	18.0											
	19.0											

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 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-10**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
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Project Name: UK Cancer Center

Weather: Clear Date: June 2, 2022 *Approximate Surface Elevation: 971.7 feet
 Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD
 Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic
 Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
971.7	0.0	Asphalt/Gravel (9 inches)										
970.9	0.8	FIRM to STIFF brown, clayey SILT (ML), moist	[Symbol]	2.5	SPT	1 4 4	8					
970.2	1.5											
969.2	2.5											
968.7	3.0											
967.7	4.0											
966.7	5.0											
965.7	6.0											
965.2	6.5											
964.7	7.0											
964.3	7.4											
962.7	9.0	FIRM light brown, silty LEAN CLAY (CL), moist	[Symbol]	9.5	SPT	3 4 5	9					
961.7	10.0											
960.7	11.0											
960.2	11.5											
958.7	13.0											
957.7	14.0											
957.5	14.2	Auger Refusal at 14.2' Begin Coring										
957.5	14.2	LIMESTONE, gray, shale streaks, hard	[Symbol]		Run	Recovery	RQD					
956.7	15.0											
955.7	16.0											
954.7	17.0											
953.7	18.0											
	19.2	Coring Terminated at 19.2'										

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 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-11**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 978.9 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
978.9	0.0	Topsoil (4 inches)										
978.6	0.3	SOFT to FIRM brown, clayey SILT (ML), moist		2.5	SPT	2 2 3	5					
977.4	1.5											
976.4	2.5											
975.9	3.0											
974.9	4.0											
973.9	5.0	STIFF brown, silty LEAN CLAY (CL), moist		6.5	SPT	3 6 7	13					
972.9	6.0											
972.4	6.5											
971.4	7.5											
970.9	8.0											
969.7	9.2	STIFF light brown, silty LEAN CLAY (CL), moist		9.0	SPT	3 5 8	13					
968.9	10.0											
967.9	11.0											
967.4	11.5											
965.9	13.0											
964.9	14.0	Auger Refusal at 14.6' Begin Coring		14.0	SPT	4 50/1"	50					
964.3	14.6											
964.3	14.6	LIMESTONE, gray, shale streaks, hard, vertical fracture 17.8-18.5'		14.6-	Run	Recovery	RQD					
963.9	15.0											
962.9	16.0											
961.9	17.0											
960.9	18.0											
959.3	19.6	Coring Terminated at 19.6'										

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 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-12**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
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Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 988.7 feet
 Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD
 Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic
 Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)
988.7	0.0	Asphalt/Gravel (8 inches)										
988.0	0.7	SOFT to FIRM brown, clayey SILT (ML), moist	[Symbol]									
987.2	1.5											
986.2	2.5			2.5	SPT	1 1 3	4					
985.7	3.0											
984.7	4.0			4.0	SPT	2 2 3	5					
984.2	4.5											
982.7	6.0	FIRM red/brown, silty LEAN CLAY (CL), moist	[Symbol]									
982.2	6.5			6.5	SPT	2 3 5	8					
981.2	7.5											
980.7	8.0											
979.7	9.0			9.0	SPT	2 3 5	8					
978.7	10.0											
977.7	11.0											
977.2	11.5											
975.7	13.0											
974.7	14.0			14.0	SPT	4 5 7	12					
974.1	14.6											
972.7	16.0	FIRM light brown, silty LEAN CLAY (CL), moist	[Symbol]									
971.7	17.0											
970.7	18.0											
969.7	19.0			19.0	SPT	3 3 4	7					
968.7	20.0											
967.7	21.0											
966.9	21.8	Auger Refusal at 21.8' Begin Coring										
966.9	21.8	LIMESTONE, gray, shale streaks, hard	[Symbol]		Run							
966.7	22.0			21.8-		Recovery	94	RQD	46			
965.7	23.0											
964.7	24.0											
963.7	25.0											
962.7	26.0											
961.9	26.8			26.8								
		Coring Terminated at 26.8'										

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 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-13**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 994.9 feet
 Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD
 Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic
 Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)	
994.9	0.0	Asphalt/Gravel (12 inches)											
993.9	1.0	FIRM light brown, silty LEAN CLAY (CL), moist	[Hatched Pattern]	2.5	SPT	2 3 5	8						
993.4	1.5												
992.4	2.5												
991.9	3.0												
990.9	4.0												
989.9	5.0												
988.9	6.0												
988.5	6.4			6.5	SPT	50/0"	50						
988.4	6.5	weathered limestone											
		Auger Refusal at 6.5' Begin Coring											
988.4	6.5	LIMESTONE, gray, shale streaks, hard	[Dotted Pattern]		Run	Recovery	RQD						
987.9	7.0				6.5-	96	62						
986.9	8.0				11.5								
985.9	9.0												
984.9	10.0												
983.9	11.0												
983.4	11.5												
982.9	12.0	Coring Terminated at 11.5'											
981.9	13.0												
980.9	14.0												
979.9	15.0												
978.9	16.0												
977.9	17.0												
976.9	18.0												
	19.0												

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 Soil was visually classified in the field.
 *Depths are considered approximate.

Project Number: 22-254

**Boring Log
B-14**



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

Project Name: UK Cancer Center

Weather: Clear Date: June 1, 2022 *Approximate Surface Elevation: 996.6 feet

Location of Boring: As Mapped Drill Rig: Lonestar LST1G+HAD

Auger Size: 3.25 ID Method: Hollow Stem Auger Hammer Type: Automatic

Groundwater ▼: Not Encountered Engineer: Aaron B. Davis, PE Driller: Solid Ground

*Approximate Surface Elevation (ft.)	*Approximate Depth from existing grade (ft.)	Material Description	Symbol	Sample Depth (ft)	Sample Type	Blows per 6 inch increment	SPT "N" Value	Recovery (inches)	Atterberg Limits	Moisture Content (%)	Percent Fines	Approximate Peak Stress (PSF)									
996.6	0.0	FILL: FIRM brown, silty LEAN CLAY (CL), moist	[Symbol: Grid pattern]	2.5	SPT	2 4 6	10														
995.6	1.0																				
995.1	1.5																				
994.1	2.5	FILL: FIRM to STIFF red/brown, silty LEAN CLAY (CL), moist											4.0	SPT	3 4 7	11					
993.6	3.0																				
992.6	4.0																				
991.6	5.0	FILL: VERY STIFF brown/red, silty LEAN CLAY (CL), moist											6.5	SPT	4 8 11	19					
990.6	6.0																				
990.1	6.5																				
989.1	7.5	FILL: VERY STIFF light brown, silty LEAN CLAY (CL), moist											9.0	SPT	7 8 9	17					
988.1	8.5																				
987.6	9.0																				
986.6	10.0	wood	[Symbol: Dotted pattern]	Run	Recovery	RQD															
985.6	11.0																				
985.4	11.2	Auger Refusal at 11.0' Begin Coring																			
985.6	11.0	LIMESTONE, gray, shale streaks, hard	[Symbol: Dotted pattern]	11.0-	Run	Recovery	RQD														
984.6	12.0																				
983.6	13.0																				
982.6	14.0																				
981.6	15.0																				
980.6	16.0																				
979.6	17.0	Coring Terminated at 16.0'																			
978.6	18.0																				
977.6	19.0																				
976.6	20.0																				
	21.0																				

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 Boring includes conditions observed during the site visit and for this particular location.
 Soil was visually classified in the field.
 *Depths are considered approximate.



UNIVERSITY
OF KENTUCKY

Purchasing Division

Request for Proposal

UK-2314-23

Proposal Due Date – 3/1/2023

CM Services

Project #2591.1

RENEW/MODERNIZE CHARLES E. BARNHART BUILDING



UNIVERSITY OF KENTUCKY Purchasing Division

REQUEST FOR PROPOSAL (RFP)

ATTENTION: This is not an order. Read all instructions, terms, and conditions carefully.

PROPOSAL NO.:	UK-2314-23	RETURN ORIGINAL COPY OF PROPOSAL TO: UNIVERSITY OF KENTUCKY PURCHASING DIVISION 411 S LIMESTONE ROOM 322 PETERSON SERVICE BLDG. LEXINGTON, KY 40506-0005
Issue Date:	2/2/2023	
	CM Services	
Title:	Project 2591.1 Renew/Modernize Charles E. Barnhart Building	
Purchasing Officer:	Corey W. Leslie	
Phone:	corey.leslie@uky.edu	

IMPORTANT: PROPOSALS MUST BE RECEIVED BY: 3/1/2023 3 P.M. LEXINGTON, KY TIME.

NOTICE OF REQUIREMENTS

- The University's General Terms and Conditions and Instructions to Bidders, viewable at www.uky.edu/Purchasing/terms.htm, apply to this RFP. When the RFP includes construction services, the University's General Conditions for Construction and Instructions to Bidders, viewable at www.uky.edu/Purchasing/ccphome.htm, apply to the RFP.
- Contracts resulting from this RFP must be governed by and in accordance with the laws of the Commonwealth of Kentucky.
- Any agreement or collusion among offerors or prospective offerors, which restrains, tends to restrain, or is reasonably calculated to restrain competition by agreement to bid at a fixed price or to refrain from offering, or otherwise, is prohibited.
- Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine of not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year nor more than five years, or both such fine and imprisonment. Any firm, corporation, or association who violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars or more than twenty thousand dollars.

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

- That I am the offeror (if the offeror is an individual), a partner, (if the offeror is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the offeror is a corporation);
- That the attached proposal has been arrived at by the offeror independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other Contractor of materials, supplies, equipment or services described in the RFP, designed to limit independent bidding or competition;
- That the contents of the proposal have not been communicated by the offeror or its employees or agents to any person not an employee or agent of the offeror or its surety on any bond furnished with the proposal and will not be communicated to any such person prior to the official closing of the RFP;
- That the offeror is legally entitled to enter into contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including, but not limited to, those prohibited by the provisions of KRS 45A.330 to .340, and 164.390;
- That the offeror, and its affiliates, are duly registered with the Kentucky Department of Revenue to collect and remit the sale and use tax imposed by Chapter 139 to the extent required by Kentucky law and will remain registered for the duration of any contract award;
- That I have fully informed myself regarding the accuracy of the statement made above.

SWORN STATEMENT OF COMPLIANCE WITH CAMPAIGN FINANCE LAWS

In accordance with KRS 45A.110 (2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to a bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

CONTRACTOR REPORT OF PRIOR VIOLATIONS OF KRS CHAPTERS 136, 139, 141, 337, 338, 341 & 342

The contractor by signing and submitting a proposal agrees as required by 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341 and 342 that have occurred in the previous five (5) years prior to the award of a contract and agrees to remain in continuous compliance with the provisions of the statutes during the duration of any contract that may be established. Final determinations of violations of these statutes must be provided to the University by the successful contractor prior to the award of a contract.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The contractor, by submitting a proposal, certifies that he/she is in compliance with the Code of Federal Regulations, No. 41 CFR 60-1.8(b) that prohibits the maintaining of segregated facilities.

SIGNATURE REQUIRED: This proposal cannot be considered valid unless signed and dated by an authorized agent of the offeror. Type or print the signatory's name, title, address, phone number and fax number in the spaces provided. Offers signed by an agent are to be accompanied by evidence of his/her authority unless such evidence has been previously furnished to the issuing office.

DELIVERY TIME:	NAME OF COMPANY:	DUNS #
PROPOSAL FIRM THROUGH:	ADDRESS:	Phone/Fax:
PAYMENT TERMS:	CITY, STATE & ZIP CODE:	E-MAIL:
SHIPPING TERMS: F. O. B. DESTINATION PREPAID AND ALLOWED	TYPED OR PRINTED NAME:	WEB ADDRESS:
FEDERAL EMPLOYER ID NO.:	SIGNATURE:	DATE:

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Attachments:

- Attachment A: General Conditions, CM at Risk**
- Attachment B: Contract Agreement, CM at Risk**
- Attachment C: Special Conditions, CM at Risk**
- Attachment D: Bonds and Affidavit**
- Attachment E: Schedule**
- Attachment F: University DBE Participation**
- Attachment G: Staffing Matrix**
- Attachment H: Tree Protection Standards**

1.0 DEFINITIONS

The term "addenda" means written or graphic instructions issued by the University of Kentucky prior to the receipt of proposals that modify or interpret the RFP documents by additions, deletions, clarifications and/or corrections.

The term "competitive negotiations" means the method authorized in the Kentucky Revised Statutes, Chapter 45A.085.

The terms "offer" or "proposal" mean the offeror's/offers' response to this RFP.

The term "offeror" means the entity or contractor group submitting the proposal.

The term "contractor" means the entity receiving a contract award.

The term "purchasing agency" means the University of Kentucky, Purchasing Division, Room 322 Peterson Service Building, Lexington, KY 40506-0005.

The term "purchasing official" means the University of Kentucky's appointed contracting representative.

The term "responsible offeror" means a person, company or corporation that has the capability in all respects to perform fully the contract requirements and the integrity and reliability that will assure good faith performance. In determining whether an offeror is responsible, the University may evaluate various factors including (but not limited to): financial resources; experience; organization; technical qualifications; available resources; record of performance; integrity; judgment; ability to perform successfully under the terms and conditions of the contract; adversarial relationship between the offeror and the University that is so serious and compelling that it may negatively impact the work performed under this RFP; or any other cause determined to be so serious and compelling as to affect the responsibility of the offeror.

The term "solicitation" means RFP.

The term "University" means University of Kentucky.

2.0 GENERAL OVERVIEW

2.1 Intent and Scope

The University of Kentucky desires the services of an experienced and highly qualified construction management firm to provide "FULL SERVICE" construction management on the proposed project. The Construction Manager (CM) selected will become a responsible, cooperative and contributing member of the Owner's professional team for the design and construction of the project. The Construction Manager (CM) will provide assistance and advice and provide management services to the Owner and design consultants to assure the project is completed within defined budget, program and schedule.

The total scope of this project is \$45 million. The project will be designed with a total construction budget of approximately \$32,700,000.00 to include costs for Construction Management Services as well as for the award of trade contracts.

A contract will be awarded for the design phase, bidding, construction, and post-construction phase services.

The contract established for construction management services will be of a pure agency relationship through Phase 4 Bidding, and then convert to a "LUMP SUM, AT RISK" contract.

The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories. The Construction Manager will hold all construction contracts.

The Scope of Services is further defined in Section 7.0 of this Request for Proposal (RFP).

2.2 Background Information

The University of Kentucky would like to revisit recommendations from a 2017 master plan study to add approximately 34,000 GSF of auditorium, classrooms, meeting rooms, collaborative student spaces, dining and professional kitchen space, and office space to the existing Barnhart building by working with the College of Agriculture to develop a solid program and design for additional space to meet current and future needs. Design work will also include evaluation of existing public spaces, bathrooms and shared spaces within the building and any recommendations for upgrades of finishes and fixtures.

2.3 University Information

Since his arrival, President Eli Capilouto has set forth an ambitious agenda to extend and enhance our role as Kentucky's land-grant and flagship research university. By focusing on infrastructure growth and improvement; creating opportunities for innovative teaching, learning, and academic excellence; fostering a robust research and creative scholarship enterprise; providing life-saving subspecialty care; empowering communities through service and outreach; and encouraging a transparent and shared dialogue about institutional priorities; the University of Kentucky will ensure a new century of promise for the people we impact.

Founded in 1865 as a land-grant institution adjacent to downtown Lexington, UK is nestled in the scenic heart of the beautiful Bluegrass Region of Kentucky. From its early beginnings, with only 190

students and 10 professors, UK's campus now covers more than 918 acres and is home to more than 30,000 students and approximately 14,500 employees, including more than 2,300 full-time faculty. UK is one of a small number of universities in the United States that has programs in agriculture, engineering, a full complement of health colleges including medicine and pharmacy, law and fine arts on a single campus, leading to groundbreaking discoveries and unique interdisciplinary collaboration. The state's flagship university consists of 17 academic and professional colleges where students can choose from more than 200 majors and degree programs at the undergraduate and graduate levels. The colleges are Agriculture, Food and Environment; Arts and Sciences; Business and Economics; Communication and Information; Dentistry; Design; Education; Engineering; Fine Arts; Graduate School; Health Sciences; Law; Medicine; Nursing; Pharmacy; Public Health; and Social Work. These colleges are supported by a modern research library system.

Research at the University of Kentucky is a dynamic enterprise encompassing both traditional scholarship and emerging technologies, and UK's research faculty, staff and students are establishing UK as one of the nation's most prolific public research universities. UK's research enterprise attracted \$285 million in research grants and contracts from out-of-state sources, which generated a \$580 million impact on the Kentucky economy. Included in this portfolio is \$153 million in federal awards from the National Institutes of Health, non-NIH grants from the Department Health and Human Services, the National Science Foundation, Department of Energy, Department of Agriculture and NASA, among others. The National Science Foundation ranks UK's research enterprise 44th among public institutions.

With more than 50 research centers and institutes, UK researchers are discovering new knowledge, providing a rich training ground for current students and the next generation of researchers, and advancing the economic growth of the Commonwealth of Kentucky. Several centers excel in the services offered to the public. The Gluck Equine Research Center is one of only three facilities of its kind in the world, conducting research in equine diseases.

The Center for Applied Energy Research is pursuing groundbreaking discovery across the energy disciplines. CAER staff are pioneering new ways to sustainably utilize Kentucky natural resources through carbon-capture algae technology, biomass/coal to liquid products and the opening of UK's first LEED-certified research lab to support the development of Kentucky's growing alternative energy industry. Among the brightest examples of UK's investment in transformative research is the Markey Cancer Center. As a center of excellence and distinction at UK, Markey's robust research and clinical enterprise is the cornerstone of our commitment to Kentucky – fundamental to our success in uplifting lives through our endeavors and improving the general health and welfare of our state – burdened by the nation's highest rate of cancer deaths per 100,000 people. In 2013, Markey earned the prestigious National Cancer Institute-designation (NCI) – one of 68 nationally and the only one in Kentucky.

The University of Kentucky was awarded a \$20 million Clinical Translational Sciences Award (CTSA) from the National Institutes of Health (NIH). As one of only 60 institutions with this research distinction, UK was awarded the CTSA for its potential in moving research and discovery in the lab into practical field and community applications. The CTSA and NCI are part of a trifecta of federal research grants that includes an Alzheimer's Disease Center. UK is one of only 22 universities in the country to hold all three premier grants from NIH.

Established in 1957, the medical center at UK is one of the nation's finest academic medical centers and includes the University's clinical enterprise, UK HealthCare. The 569-bed UK Albert B. Chandler Hospital and Kentucky Children's Hospital, along with 256 beds at UK Good Samaritan

Hospital, are supported by a growing faculty and staff providing the most advanced subspecialty care for the most critically injured and ill patients throughout the Commonwealth and beyond. Over the last several years, the number of patients served by the medical enterprise has increased from roughly 19,000 discharges to more than 36,000 discharges in 2014.

UK Chandler Hospital includes the only Level 1 Trauma Center for both adult and pediatric patients in Central and Eastern Kentucky. In addition, UK HealthCare recently opened one of the country's largest robotic hybrid operating rooms and the first of its kind in the region. While our new patient care pavilion is the leading healthcare facility for advanced medical procedures in the region, our talented physicians consult with and travel to our network of affiliate hospitals so Kentucky citizens can receive the best health care available close to their home and never need to leave the Bluegrass for complex subspecialty care.

UK's agenda remains committed to accelerating the University's movement toward academic excellence in all areas and gain worldwide recognition for its outstanding academic programs, its commitment to students, its investment in pioneering research and discovery, its success in building a diverse community and its engagement with the larger society. It is all part of the University's fulfillment of our promise to Kentucky to position our state as a leader in American prosperity.

SUSTAINABILITY

Sustainability is an institution-wide priority for the University of Kentucky. We strive to ensure that all activities are ecologically sound, socially just, and economically viable, and that they will continue to be so for future generations. This commitment also prioritizes the integration of these principles in curricula, research, athletics, health care, creative works, and outreach. This principled approach to operational practices and intellectual pursuits is intended to prepare students and empower the campus community to support sustainable development in the Commonwealth and beyond. The UK Sustainability Strategic Plan guides these efforts (<https://www.uky.edu/sustainability/sustainability-strategic-plan>).

2.4 Supplier Diversity and Procurement

The University of Kentucky is committed to serve as an advocate for diverse businesses in their efforts to conduct business. Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

The University is committed to increasing the amount of goods and services acquired from businesses owned and controlled by diverse persons to 10% of all procurement expenditures. The University expects its suppliers to support and assist in this effort.

Among the University's goals for DBE participation in procurement are:

- To ensure the absence of barriers that reduce the participation of diverse suppliers
- Educate vendors on "how to" do business with the University
- Support diverse vendors seeking to do business with the University in the areas of goods, services, construction, and other areas of procurement
- Encourage participation of qualified diverse vendors by directing them to agencies that can benefit from their product or service
- Provide resources for diverse vendors

- Sponsor events to assist diverse vendors in becoming active, responsible, and responsive participants in the University's purchasing opportunities

For additional information regarding how diverse suppliers may participate in this Request for Proposal, submit any questions to the Purchasing Officer as indicated in Section 3.2 by the Deadline for Written Questions date.

3.0 PROPOSAL REQUIREMENTS

3.1 Key Event Dates

Release of RFP	02/02/2023
Pre-Proposal Conference (Optional)	02/09/2023 at 1 p.m. Eastern Time
Deadline for Written Questions	02/15/2023 at 3 p.m. Eastern Time
RFP Proposals Due	03/01/2023 at 3 p.m. Eastern Time
Offeror Presentations*	03/22/2023
Contract Award*	03/24/2023

*projected dates

3.2 Offeror Communication

To ensure that RFP documentation and subsequent information (modifications, clarifications, addenda, Written Questions and Answers, etc.) are directed to the appropriate persons within the offeror's firm, each offeror who intends to participate in this RFP is to provide the following information to the purchasing officer. Prompt, thorough compliance is in the best interest of the offeror. Failure to comply may result in incomplete or delayed communication of addenda or other vital information. Contact information is the responsibility of the offeror. Without the prompt information, any communication shortfall shall reside with the offeror.

- Name of primary contact
- Mailing address of primary contact
- Telephone number of primary contact
- Fax number of primary contact
- E-mail address of primary contact
- Additional contact persons with same information provided as primary contact

This information shall be transmitted via fax or e-mail to:

Mr. Corey W. Leslie
 Purchasing Division
 University of Kentucky
 322 Peterson Service Building
 Lexington, KY 40506-0005
 Phone: (859) 257-9100
 Fax: (859) 257-1951
 E-mail: cckbidquestions@email.uky.edu

All communication with the University regarding this RFP shall only be directed to the purchasing officer listed above.

3.3 Pre-Proposal Conference

A pre-proposal conference will be held in Lexington, Kentucky on **02/09/2023** at **1PM** Eastern Time in the first-floor elevator lobby of the Charles E. Barnhart Building to allow prospective contractors an opportunity to ask questions and clarify the University's expectations. This conference provides offerors an opportunity for oral questions.

The following items should be noted in reference to the pre-proposal conference:

- Attendance at the pre-proposal conference is optional. At this conference, the scope of services will be discussed in detail.
- Offerors are encouraged to submit written questions after the conference by the date listed in Section 3.1.

The University will prepare written responses to questions submitted by the deadline and make them available to all offerors. The questions and answers may be made part of the RFP and may become part of the contract with the successful contractor. Answers given orally at the conference are not binding.

3.4 Offeror Presentations

All offerors whose proposals are judged acceptable for award may be required to make a presentation to the evaluation committee. A copy of the finalist presentation is to be provided in electronic format on a USB drive on the date of presentation.

3.5 Preparation of Offers

The offeror is expected to follow all specifications, terms, conditions, and instructions in this RFP.

The offeror will furnish all information required by this solicitation.

Proposals should be prepared simply and economically, providing a description of the offeror's capabilities to satisfy the requirements of the solicitation. Emphasis should be on completeness and clarity of content. All documentation submitted with the proposal should be bound in the single volume except as otherwise specified.

An electronic version of the RFP, in .PDF format only, is available through the University of Kentucky Purchasing Division website at: <https://purchasing.uky.edu/bid-and-proposal-opportunities>.

3.6 Proposed Deviations from the RFP

The stated requirements appearing elsewhere in this RFP shall become a part of the terms and conditions of any resulting contract. Any deviations therefrom must be specifically defined in accordance with the transmittal letter, Section 4.3 (d). If accepted by the University, the deviations shall become part of the contract, but such deviations must not be in conflict with the basic nature of this RFP.

Note: Offerors shall not submit their standard terms and conditions as exceptions to the University's General Terms and Conditions. Each exception to the University's General Terms and Conditions shall be individually addressed.

3.7 Proposal Submission and Deadline

Offeror must provide the following materials prior to 3 p.m. (Lexington, KY time) on the date specified in Section 3.1 and addressed to the purchasing officer listed in Section 3.2:

- **Technical Proposal:** One (1) copy on an electronic storage device (USB) (1 copy per storage device) each clearly marked with the proposal number and name, firm name and what is included (Technical Proposal) and five (5) printed copies in a single package, separate from the Financial Proposal.
- The University strongly encourages Offerors to identify one of the printed copies of the Technical proposal as the "Purchasing Copy" by label, stamp, or other clearly visible means. Should any deviations between copies be discovered, the Purchasing Copy will serve as the authoritative submittal of record.
- **Financial Proposal Submission** is discussed in Sections 4.7 and 5.

Note: Proposals received after the closing date and time will not be considered. In addition, proposals received via fax or e-mail are not acceptable.

The University of Kentucky accepts deliveries of RFPs Monday through Friday from 8 a.m. to 5 p.m. Lexington, KY time. However, RFPs must be received by 3 p.m. Lexington, KY time on the date specified on the RFP in order to be considered.

In accordance with the Kentucky Revised Statute 45A.085, there will be no public opening.

3.8 Modification or Withdrawal of Offer

An offer and/or modification of offer received at the office designated in the solicitation after the exact hour and date specified for receipt will not be considered.

An offer may be modified or withdrawn by written notice before the exact hour and date specified for receipt of offers. An offer also may be withdrawn in person by an offeror or an authorized representative, provided the identity of the person is made known and the person signs a receipt for the offer, but only if the withdrawal is made prior to the exact hour and date set for receipt of offers.

3.9 Acceptance or Rejection and Award of Proposal

The University reserves the right to accept or reject any or all proposals (or parts of proposals), to waive any informalities or technicalities, to clarify any ambiguities in proposals and (unless otherwise specified) to accept any item in the proposal. In case of error in extension or prices or other errors in calculation, the unit price shall govern. Further, the University reserves the right to make a single award, split awards, multiple awards or no award, whichever is in the best interest of the University.

3.10 Rejection

Grounds for the rejection of proposals include (but shall not be limited to):

- Failure of a proposal to conform to the essential requirements of the RFP.
- Imposition of conditions that would significantly modify the terms and conditions of the solicitation or limit the offeror's liability to the University on the contract awarded on the basis of such solicitation.
- Failure of the offeror to sign the University RFP. This includes the Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest statements.
- Receipt of proposal after the closing date and time specified in the RFP.

3.11 Addenda

Any addenda or instructions issued by the purchasing agency prior to the time for receiving proposals shall become a part of this RFP. Such addenda shall be acknowledged in the proposal. No instructions or changes shall be binding unless documented by a proper and duly issued addendum.

3.12 Disclosure of Offeror's Response

The RFP specifies the format, required information and general content of proposals submitted in response to this RFP. The purchasing agency will not disclose any portions of the proposals prior to contract award to anyone outside the Purchasing Division, the University's administrative staff, representatives of the state or federal government (if required) and the members of the committee evaluating the proposals. After a contract is awarded in whole or in part, the University shall have the right to duplicate, use or disclose all proposal data submitted by offerors in response to this RFP as a matter of public record.

Any submitted proposal shall remain valid six (6) months after the proposal due date.

The University shall have the right to use all system ideas, or adaptations of those ideas, contained in any proposal received in response to this RFP. Selection or rejection of the proposal will not affect this right.

3.13 Restrictions on Communications with University Staff

From the issue date of this RFP until a contractor is selected and a contract award is made, offerors are not allowed to communicate about the subject of the RFP with any University administrator, faculty, staff or members of the board of trustees except: the purchasing office representative, any University purchasing official representing the University administration, others authorized in writing

by the purchasing office and University representatives during offeror presentations. If violation of this provision occurs, the University reserves the right to reject the offeror's proposal.

3.14 Cost of Preparing Proposal

Costs for developing the proposals and any subsequent activities prior to contract award are solely the responsibility of the offerors. The University will provide no reimbursement for such costs.

3.15 Disposition of Proposals

All proposals become the property of the University. The successful proposal will be incorporated into the resulting contract by reference.

3.16 Alternate Proposals

Offerors may submit alternate proposals. If more than one proposal is submitted, all must be complete (separate) and comply with the instructions set forth within this document. Each proposal will be evaluated on its own merits.

3.17 Questions

All questions should be submitted by either fax or e-mail to the purchasing officer listed in Section 3.2 no later than the date listed in Section 3.1.

3.18 Section Titles in the RFP

Section titles used herein are for the purpose of facilitating ease of reference only and shall not be construed to infer the construction of contractual language.

3.19 No Contingent Fees

No person or selling agency shall be employed or retained or given anything of monetary value to solicit or secure this contract, except bona fide employees of the offeror or bona fide established commercial or selling agencies maintained by the offeror for the purpose of securing business. For breach or violation of this provision, the University shall have the right to reject the proposal, annul the contract without liability, or, at its discretion, deduct from the contract price or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee or other benefit.

3.20 Proposal Addenda and Rules for Withdrawal

Prior to the date specified for receipt of offers, a submitted proposal may be withdrawn by submitting a written request for its withdrawal to the University purchasing office, signed by the offeror. Unless requested by the University, the University will not accept revisions or alterations to proposals after the proposal due date.

3.21 Requirement To Perform Vendor Onboarding and Registration

As a condition of award, and for any renewals performed during the life of the contract, successful Contractor agrees to register their company with PaymentWorks, Inc., the University's vendor onboarding application. Registration information will be provided by the Purchasing Division as part of the award process. During the vendor registration process, successful Contractor agrees to provide any applicable information pertaining to diversity demographics for their company. Further, should any company or diversity information change during the life of the contract, successful Contractor agrees to update this information in PaymentWorks as applicable.

4.0 PROPOSAL FORMAT AND CONTENT

4.1 Proposal Information and Criteria

The following list specifies the items to be addressed in the proposal. Offerors should read it carefully and address it completely and in the order listed to facilitate the University's review of the proposal.

Proposals shall be organized into the sections identified below. The content of each section is detailed in the following pages. It is strongly suggested that offerors use the same numbers for the following content that are used in the RFP.

- Signed Authentication of Proposal and Statement of Non-Collusion and Non-Conflict of Interest Form
- Transmittal Letter
- Executive Summary and Proposal Overview
- Criteria 1 - [Offeror Qualifications](#)
- Criteria 2 - [Services Defined](#)
- Criteria 3 - [Financial Proposal](#)
- Criteria 4 - [Evidence of Successful Performance and Implementation Schedule](#)
- Criteria 5 - [Other Additional Information](#)

4.2 Signed Authentication of Proposal and Statements of Non-Collusion and Non-Conflict of Interest Form

The Offeror will sign and return the proposal cover sheet and print or type their name, firm, address, telephone number and date. The person signing the offer must initial erasures or other changes. An offer signed by an agent is to be accompanied by evidence of their authority unless such evidence has been previously furnished to the purchasing agency. The signer shall further certify that the proposal is made without collusion with any other person, persons, company or parties submitting a proposal; that it is in all respects fair and in good faith without collusion or fraud; and that the signer is authorized to bind the principal offeror.

4.3 Transmittal Letter

The Transmittal Letter accompanying the RFP shall be in the form of a standard business letter and shall be signed by an individual authorized to legally bind the offeror. It shall include:

- A statement referencing all addenda and written questions, the answers and any clarifications to this RFP issued by the University and received by the offeror (If no addenda have been received, a statement to that effect should be included.).
- A statement that the offeror's proposal shall remain valid for six (6) months after the closing date of the receipt of the proposals.
- A statement that the offeror will accept financial responsibility for all travel expenses incurred for oral presentations (if required) and candidate interviews.

- A statement that summarizes any deviations or exceptions to the RFP requirements and includes a detailed justification for the deviation or exception.
- A statement that identifies the confidential information as described in Section 6.23.

4.4 Executive Summary and Proposal Overview

The Executive Summary and Proposal Overview shall condense and highlight the contents of the technical proposal in such a way as to provide the evaluation committee with a broad understanding of the entire proposal.

As part of the Executive Summary and Proposal Overview, Offeror shall submit with their response a summarized profile describing the demographic nature of their company or organization:

1. When was your organization established and/or incorporated?
2. Indicate whether your organization is classified as local, regional, national, or international.
3. Describe the size of your company in terms of number of employees, gross sales, etc.
4. Is your company certified as small business, minority-owned, women-owned, veteran-owned, disabled-owned, or similar classification?
5. Include other demographic information that you feel may be applicable to the Request for Proposal submission.
6. Offeror shall describe in detail their company’s commitment to diversity, equity, and inclusion. Information shall be provided as to the number of diverse individuals that the vendor employees as well as a description of vendors efforts to do business with Diverse Business Enterprises as they conduct their own business. In additional, please indicate the diversity nature of your company as well as ownership race/ethnicity.

Check One Only	Diverse Business Description (If Diverse Business, determine the classification that is the best description)	Internal Code
	Minority Owned (only)	10
	Veteran Owned and Small Business	100
	Minority and Woman and Small Business	110
	Minority and Woman and Veteran-Owned Business	120
	Minority and Veteran and Small Business	130
	Woman and Veteran and Small Business	140
	Minority and Woman and Veteran-Owned Small Business	150
	Woman Owned (only)	20
	Small Business (only)	30
	Veteran Owned (only)	40
	Minority and Woman Owned	50
	Minority and Small Business	60
	Minority and Veteran-Owned	70
	Woman Owned and Small Business	80

Woman and Veteran-Owned	90
Diversity not indicated	999

Race/Ethnicity	Check One
Asian	
Black/African American	
Hispanic or Latino	
Native American	
Native Hawaiian/Pacific Islander	
White	
Other	

4.5 Criteria 1 - Offeror Qualifications

The purpose of the Offeror Qualifications section is to determine the ability of the offeror to respond to this RFP. Offerors must describe and offer evidence of their ability to meet each of the qualifications listed below.

Our supply chains and business partnerships are an important aspect of this work. In your proposal, please (A) provide your company’s mission and vision relative to sustainability, and (B) how your company, through services, products, and partnerships, will help the University of Kentucky advance specific elements of the Sustainability Strategic Plan.

- a) Provide a brief narrative describing of the history of your firm. Identify the number of employees in your firm, and the ownership.
- b) Provide an executive summary profile of your firm indicating the total annual volume of work; an overview of the firms resources; the approximate percentage of University related work versus other project types; a breakdown of your firms volume relative to CM @ Risk, CM Agency, Lump-sum negotiated, Lump- sum hard bid, design-build, etc.; Indicate whether your firm routinely self performs any trade work and if so the relative amount of self-performed work to the total volume. Indicate what resources, if any, your firm has regarding self-performed trade work. Provide any other information necessary to describe your core business parameters.
- c) Provide an organizational chart of your firm indicating the lines of authority for the senior personnel involved in performance of this contract and relationships of this staff to other programs or functions of the firm. This chart should show lines of authority to the next senior level of management beyond the project team level.
- d) Has your firm had a contract terminated for default in the last five years? If so, describe such incident.
- e) Indicate any other experience that demonstrates the qualifications of your firm for the performance of this contract.

4.6 Criteria 2 – Services Defined

The CM should provide documentation of their understanding of the services requested in the RFP and contract documents.

- b) Your proposal should provide for the completion of all work necessary to accomplish the scope of work defined in this RFP. Include a complete description of the proposed approach and methodology to accomplish the work described. The plan should be in sufficient detail to convey to the evaluation team the CM's knowledge of projects of similar scale and complexity and the CM's knowledge of the requirements, demands, and constraints of this project.
- c) Explain how your firm/team approaches budgeting and budget maintenance to assure a successful completion within budget.
- d) Provide an organization chart, resumes of key team members, and brief description of roles and responsibilities. **Include a detailed staffing chart for each phase of construction indicating the on-site staffing that you feel is necessary to provide the construction services requested.**
- e) Describe your firm's strategy to promote local trade, contractor, and vendor participation this project.

4.7 Criteria 3 – Financial Proposal

The Financial Summary Form shall contain the complete financial offer made to the University using the format contained in Section 8.0. All financial information must be submitted in a sealed envelope under separate cover.

4.8 Criteria 4 – Evidence of Successful Performance and Implementation Schedule

- a) Explain how your firm/team approaches scheduling and schedule maintenance to assure a successful on time completion of the design and construction phases.

4.9 Criteria 5 – Other Additional Information

The offeror may present any creative approaches that might be appropriate. The offeror may also provide supporting documentation that would be pertinent to this RFP.

Offeror is strongly encouraged to describe in detail their company's commitment to diversity, equity, and inclusion. Information should include the number of diverse individuals that the vendor employs as well as a description of outreach efforts to do business with Diverse Business Enterprises as they conduct their own business.

5.0 EVALUATION CRITERIA PROCESS

Phase 1: Technical Proposal

Evaluation Process and Scoring

A committee of University officials appointed by the Chief Procurement Officer will evaluate proposals and make a recommendation to the Chief Procurement Officer. The evaluation will be based upon the information provided in the proposal, presentations to the committee, additional information requested by the University for clarification, and information obtained from references and independent sources.

The evaluation committee will review proposals and discuss the merits of each Offeror's technical proposal. Each committee member will independently evaluate the Phase 1 proposals and indicate an ordinal ranking (1st, 2nd, 3rd, etc.) of the firms for each evaluation criteria contained in this document and weighed per criteria described in the table below. Each committee member's final score for each firm will be the weighted average of the ordinal rank for each evaluation criteria using the points available for the evaluation criteria. The firm's overall Phase 1 score will be the composite score of all committee members' scores for the firm.

Criteria Description	Phase 1 Criteria Weight
Project Team Qualifications	30
Services Defined	30
Qualifications – Firm	20
Scheduling Ability	10
Constructability and Interdisciplinary Coordination Review	10

The total weighted average points awarded to each Offeror by the committee members will determine the Phase 1: Technical Proposal ranks, and corresponding scores as illustrated below:

Rank	Phase 1 Score
1st	100
2nd	90
3rd	80
4th or below	70

The first, second, and third ranked firms may proceed to Phase 2. An Offeror that receives points below the natural break of points awarded for Phase 1 may be eliminated from further consideration regardless of the number of proposals received. The committee reserves the right to advance additional firms to Phase 2 in the event of a tie score or by decision of the committee.

Phase 2: Finalist Presentations and Non-Price Total Score

Evaluation Process and Scoring

Offerors that advance to Phase 2 will be invited to make finalist presentations to the evaluation committee and may be requested to provide additional or clarifying information.

Each Finalist should provide their financial proposal to the Purchasing Officer indicated in this document in the format(s) requested on or before the time and date of their presentation. No evaluation committee member will have any knowledge of any Offeror's financial proposal until released by the Purchasing Officer.

Phase 2, Step 1: Finalist Presentations Scoring

After all Finalist Presentations are concluded, each evaluation committee member will independently rank each Offeror.

The evaluation committee will then discuss and determine the ranking of each Offeror. The total weighted average ranking of each Offeror will determine the overall Phase 2, Step 1: Finalist Presentations rank, and corresponding score as illustrated below:

Rank	Phase 2, Step 1 Score
1st	100
2nd	75
3rd	50
4th or below	25

Phase 2, Step 2: Non-Price Total Score

The Non-Price Total Score is calculated by adding the Phase 1 score and Phase 2, Step 1 Score. The maximum Non-Price Total Score is 200.

Phase 3: Financial Proposal Score

The maximum Financial Proposal Score is 200. The Offeror proposing the lowest price/score will receive the maximum score of 200. Each higher financial proposal will receive a proportional score as determined by the formula below:

$$\frac{\text{Lowest Price}}{\text{Offeror's Price}} \times 200 = \text{Offeror's Financial Proposal Score}$$

Best and Final Offer (BAFO):

The Offeror(s) with the highest total scores from Phases 1, 2, and 3 may receive a request for a Best and Final Offer from the Purchasing Officer.

BAFOs are Financial Proposals and are scored identically.

Basis of Award: Offeror's Total Score

Maximum Phase 1: Technical Proposal Score	100	
Maximum Phase 2: Finalist Presentations Score	100	
Maximum Phase 3: Financial Proposal Score	200	
Maximum points available for Offeror's Total Score		400

The Offeror's Total Score is calculated by adding the Non-Price Score and the Offeror's Financial Proposal Score

The Offeror with the highest Total Score will receive the evaluation committee's recommendation for award unless the Offeror's Financial Proposal exceeds the authorized budget.

6.0 SPECIAL CONDITIONS

Refer to attachment C – Special Conditions CM at Risk

6.1 Contract Term

Refer to attachment C – Special Conditions CM at Risk

6.2 Effective Date

The effective date of the contract shall be the date upon which the parties execute it and all appropriate approvals, including that of the Commonwealth of Kentucky Government Contracts Review Committee, have been received.

6.3 Competitive Negotiation

It is the intent of the RFP to enter into competitive negotiation as authorized by KRS 45A.085.

The University will review all proposals properly submitted. However, the University reserves the right to request necessary modifications, reject all proposals, reject any proposal that does not meet mandatory requirement(s) or cancel this RFP, according to the best interests of the University.

Offeror(s) selected to participate in negotiations may be given an opportunity to submit a Best and Final Offer to the purchasing agency. All information-received prior to the cut-off time will be considered part of the offeror's Best and Final Offer.

The University also reserves the right to waive minor technicalities or irregularities in proposals providing such action is in the best interest of the University. Such waiver shall in no way modify the RFP requirements or excuse the offeror from full compliance with the RFP specifications and other contract requirements if the offeror is awarded the contract.

6.4 Appearance Before Committee

Any, all or no offerors may be requested to appear before the evaluation committee to explain their proposal and/or to respond to questions from the committee concerning the proposal. Offerors are prohibited from electronically recording these meetings. The committee reserves the right to request additional information.

6.5 Additions, Deletions or Contract Changes

The University reserves the right to add, delete, or change related items or services to the contract established from this RFP. No modification or change of any provision in the resulting contract shall be made unless such modification is mutually agreed to in writing by the contractor and the Chief Procurement Officer and incorporated as a written modification to the contract. Memoranda of understanding and correspondence shall not be interpreted as a modification to the contract.

6.6 Contractor Cooperation in Related Efforts

The University reserves the right to undertake or award other contracts for additional or related work to other entities. The contractor shall fully cooperate with such other contractors and University employees and carefully fit its work to such additional work. The contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor or by University employees. This clause shall be included in the contracts of all contractors with whom this contractor will be required to cooperate. The University shall equitably enforce this clause to all contractors to prevent the imposition of unreasonable burdens on any contractor.

6.7 Entire Agreement

The RFP shall be incorporated into any resulting contract. The resulting contract, including the RFP and those portions of the offeror's response accepted by the University, shall be the entire agreement between the parties.

6.8 Governing Law

The contractor shall conform to and observe all laws, ordinances, rules and regulations of the United States of America, Commonwealth of Kentucky and all other local governments, public authorities, boards, or offices relating to the property or the improvements upon same (or the use thereof) and will not permit the same to be used for any illegal or immoral purposes, business or occupation. The resulting contract shall be governed by Kentucky law and any claim relating to this contract shall only be brought in the Franklin Circuit Court in accordance with KRS 45A.245.

6.9 Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act

To the extent Company receives Personal Information as defined by and in accordance with Kentucky's Personal Information Security and Breach Investigation Procedures and Practices Act, KRS 61.931, 61.932 and 61.933 (the "Act"), Company shall secure and protect the Personal Information by, without limitation: (i) complying with all requirements applicable to non-affiliated third parties set forth in the Act; (ii) utilizing security and breach investigation procedures that are appropriate to the nature of the Personal Information disclosed, at least as stringent as University's and reasonably designed to protect the Personal Information from unauthorized access, use, modification, disclosure, manipulation, or destruction; (iii) notifying University of a security breach relating to Personal Information in the possession of Company or its agents or subcontractors within seventy-two (72) hours of discovery of an actual or suspected breach unless the exception set forth in KRS 61.932(2)(b)2 applies and Company abides by the requirements set forth in that exception; (iv) cooperating with University in complying with the response, mitigation, correction, investigation, and notification requirements of the Act, (v) paying all costs of notification, investigation and mitigation in the event of a security breach of Personal Information suffered by Company; and (vi) at University's discretion and direction, handling all administrative functions associated with notification, investigation and mitigation.

6.10 Termination for Convenience

The University of Kentucky, Purchasing Division, reserves the right to terminate the resulting contract without cause with a thirty (30) day written notice. Upon receipt by the contractor of a "notice of termination," the contractor shall discontinue all services with respect to the applicable contract. The cost of any agreed upon services provided by the contractor will be calculated at the agreed upon rate prior to a "notice of termination" and a fixed fee contract will be pro-rated (as appropriate).

6.11 Termination for Non-Performance

Default

The University may terminate the resulting contract for non-performance, as determined by the University, for such causes as:

- Failing to provide satisfactory quality of service, including, failure to maintain adequate personnel, whether arising from labor disputes, or otherwise any substantial change in ownership or proprietorship of the Contractor, which in the opinion of the University is not in its best interest, or failure to comply with the terms of this contract;
- Failing to keep or perform, within the time period set forth herein, or violation of, any of the covenants, conditions, provisions or agreements herein contained;
- Adjudicating as a voluntarily bankrupt, making a transfer in fraud of its creditors, filing a petition under any section from time to time, or under any similar law or statute of the United States or any state thereof, or if an order for relief shall be entered against the Contractor in any proceeding filed by or against contractor thereunder. In the event of any such involuntary bankruptcy proceeding being instituted against the Contractor, the fact of such an involuntary petition being filed shall not be considered an event of default until sixty (60) days after filing of said petition in order that Contractor might during that sixty (60) day period have the opportunity to seek dismissal of the involuntary petition or otherwise cure said potential default; or
- Making a general assignment for the benefit of its creditors, or taking the benefit of any insolvency act, or if a permanent receiver or trustee in bankruptcy shall be appointed for the Contractor.

Demand for Assurances

In the event the University has reason to believe Contractor will be unable to perform under the Contract, it may make a demand for reasonable assurances that Contractor will be able to timely perform all obligations under the Contract. If Contractor is unable to provide such adequate assurances, then such failure shall be an event of default and grounds for termination of the Contract.

Notification

The University will provide ten (10) calendar days written notice of default. Unless arrangements are made to correct the non-performance issues to the University's satisfaction within ten (10) calendar days, the University may terminate the contract by giving forty-five (45) days' notice, by registered or certified mail, of its intent to cancel this contract.

6.12 Funding Out

The University may terminate this contract if funds are not appropriated or are not otherwise available for the purpose of making payments without incurring any obligation for payment after the date of termination, regardless of the terms of the contract. The University shall provide the contractor thirty (30) calendar days' written notice of termination under this provision.

6.13 Prime Contractor Responsibility

Any contracts that may result from the RFP shall specify that the contractor(s) is/are solely responsible for fulfillment of the contract with the University.

6.14 Assignment and Subcontracting

The Contractor(s) may not assign or delegate its rights and obligations under any contract in whole or in part without the prior written consent of the University. Any attempted assignment or subcontracting shall be void.

6.15 Permits, Licenses, Taxes

The contractor shall procure all necessary permits and licenses and abide by all applicable laws, regulations, and ordinances of all federal, state and local governments in which work under this contract is performed.

The contractor must furnish certification of authority to conduct business in the Commonwealth of Kentucky as a condition of contract award. Such registration is obtained from the Secretary of State, who will also provide the certification thereof. However, the contractor need not be registered as a prerequisite for responding to the RFP.

The contractor shall pay any sales, use, personal property and other tax arising out of this contract and the transaction contemplated hereby. Any other taxes levied upon this contract, the transaction or the equipment or services delivered pursuant hereto shall be the responsibility of the contractor.

The contractor will be required to accept liability for payment of all payroll taxes or deductions required by local and federal law including (but not limited to) old age pension, social security or annuities.

6.16 Attorneys' Fees

In the event that either party deems it necessary to take legal action to enforce any provision of the contract and in the event that the University prevails, the contractor agrees to pay all expenses of such action including attorneys' fees and costs at all stages of litigation.

6.17 Royalties, Patents, Copyrights and Trademarks

The Contractor shall pay all applicable royalties and license fees. If a particular process, products or device is specified in the contract documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the contract documents and the Contractor is responsible for payment of all associated royalties. To the fullest extent permitted by law the Contractor shall indemnify, hold the University harmless, and defend all suits, claims, losses, damages, or liability resulting from any infringement of patent, copyright, and trademark rights resulting from the incorporation in the Work or device specified in the Contract Documents.

Unless provided otherwise in the contract, the Contractor shall not use the University's name nor any of its trademarks or copyrights, although it may state that it has a Contract with the University.

6.18 Indemnification

The contractor shall indemnify, hold and save harmless the University, its affiliates and subsidiaries and their officers, agents and employees from losses, claims, suits, actions, expenses, damages, costs (including court costs and attorneys' fees of the University's attorneys), all liability of any nature or kind arising out of or relating to the Contractor's response to this RFP or its performance or failure to perform under the contract awarded from this RFP. This clause shall survive termination for as long as necessary to protect the University.

6.19 Insurance

The successful Contractor shall procure and maintain, at its expense, the following minimum insurance coverages insuring all services, work activities and contractual obligations undertaken in this contract. These insurance policies must be with insurers acceptable to the University.

Employers' Liability Insurance. The Construction Manager shall acquire and maintain Employers' Liability insurance with at least \$500,000/\$500,000/\$500,000 limits of liability for all employees who will be working at the Project site.

Commercial General Liability Insurance. If the work involved requires the use of helicopters, a separate aviation liability policy with limits of liability of \$100,000,000 will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits of \$10,000,000 will be required.

The limits of liability shall not be less than \$5,000,000 each occurrence combined single limits for bodily injury and property damage.

Comprehensive Automobile Liability Insurance. Policy limits shall not be less than \$2,000,000 for combined single limits for bodily injury and property damage for each occurrence.

Umbrella Liability Insurance. This policy shall have a minimum of \$1,000,000 combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary policies.

Workers' Compensation- Statutory Requirements (Kentucky)

The successful contractor agrees to furnish Certificates of Insurance for the above-described coverages and limits to the University of Kentucky, Purchasing Division. The University, its trustees and employees must be added as additional insured on the Commercial General Liability policy with regard to the scope of this solicitation. Any deductibles or self-insured retention in the above-described policies must be paid and are the sole responsibility of the contractor. Coverage is to be primary and non-contributory with other coverage (if any) purchased by the University. All of these required policies must include a Waiver of Subrogation (except Workers' Compensation) in favor of the University, its trustees and employees.

6.20 Method of Award

It is the intent of the University to award a contract to the qualified offeror whose offer, conforming to the conditions and requirements of the RFP, is determined to be the most advantageous to the University, cost and other factors considered.

Notwithstanding the above, this RFP does not commit the University to award a contract from this solicitation. The University reserves the right to reject any or all offers and to waive formalities and minor irregularities in the proposal received.

6.21 Reciprocal Preference

In accordance with KRS 45A.494, a resident offeror of the Commonwealth of Kentucky shall be given a preference against a nonresident offeror. In evaluating proposals, the University will apply a reciprocal preference against an offeror submitting a proposal from a state that grants residency preference equal to the preference given by the state of the nonresident offeror. Residency and non-residency shall be defined in accordance with KRS 45A.494(2) and 45A.494(3), respectively. Any offeror claiming Kentucky residency status shall submit with its proposal a notarized affidavit affirming that it meets the criteria as set forth in the above reference statute.

6.22 Reports and Auditing

N/A

6.23 Confidentiality

The University recognizes an offeror's possible interest in preserving selected information and data included in the proposal; however, the University must treat such information and data as required by the Kentucky Open Records Act, KRS 61.870, et seq.

Information areas which normally might be considered proprietary, and therefore confidential, shall be limited to individual personnel data, customer references, formulae and company financial audits which, if disclosed, would permit an unfair advantage to competitors. If a proposal contains information in these areas and the offeror declares them to be proprietary in nature and not available for public disclosure, the offeror shall declare in the Transmittal Letter the inclusion of proprietary information and shall noticeably label as confidential or proprietary each sheet containing such information. Proposals containing information declared by the offeror to be proprietary or confidential, either wholly or in part, outside the areas listed above may be deemed non-responsive and may be rejected.

The University's General Counsel shall review each offeror's information claimed to be confidential and, in consultation with the offeror (if needed), make a final determination as to whether or not the confidential or proprietary nature of the information or data complies with the Kentucky Open Records Act.

6.24 Conflict of Interest

This Request for Proposal and resulting Contract are subject to provisions of the Kentucky Revised Statutes regarding conflict of interest and the University of Kentucky's Ethical Principles and Code of Conduct (www.uky.edu/Legal/ethicscode.htm). When submitting and signing a proposal, an offeror is certifying that no actual, apparent or potential conflict of interest exists between the interests of the University and the interests of the offeror. A conflict of interest (whether contractual, financial, organizational or otherwise) exists when any individual, contractor or subcontractor has a direct or indirect interest because of a financial or pecuniary interest, gift or other activities or relationships with other persons (including business, familial or household relationships) and is thus unable to render or is impeded from rendering impartial assistance or advice, has impaired objectivity in performing the proposed work or has an unfair competitive advantage.

Questions concerning this section or interpretation of this section should be directed to the University purchasing officer identified in this RFP.

6.25 Personal Service Contract Policies

N/A

6.26 Copyright Ownership and Title to Designs and Copy

N/A

6.27 University Brand Standards

The contractor must adhere to all University of Kentucky Brand Standards. University Brand Standards are maintained by the University Public Relations Office (UKPR) and can be viewed at <http://www.uky.edu/prmarketing/brand-standards>. Non-adherence to the standards can have a penalty up to and including contract cancellation. Only the UKPR Director or designee can approve exceptions to the University standards.

Graphics standards for the UK HealthCare areas are governed by UK HealthCare Clinical Enterprise Graphic Standards, found at: <https://ukhealthcare.uky.edu/staff/brand-strategy>.

Contractor warrants that its products or services provided hereunder will be in compliance with all applicable Federal disabilities laws and regulations, including without limitation the accessibility requirements of Section 255 of the Federal Telecommunications Act of 1996 (47 U.S.C. § 255) and Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), and its implementing regulations set forth at Title 36, Code of Federal Regulations, Part 1194. For purposes of clarity, updated regulations under Section 508 standards now incorporate WCAG 2.0, and for purposes of this agreement WCAG 2.0 Level AA compliance is expressly included. Contractor agrees to promptly respond to, resolve and remediate any complaint regarding accessibility of products or services in a timely manner and provide an updated version to University at no cost. If deficiencies are identified, University reserves the right to request from Contractor, a timeline by which accessibility standards will be incorporated into the products or services provided by Contractor and shall provide such a timeline within a commercially reasonable duration of time. Failure to comply with these requirements shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement.

Where any customized web services are provided, Contractor represents that it has reviewed the University's Web Policy and all products or services will comply with its published standards.

Contractor will provide University with a current Voluntary Product Accessibility Template (VPAT) for any deliverable(s). If none is available, Vendor will provide sufficient information to reasonably assure the University that the products or services are fully compliant with current requirements.

6.28 Printing Statutes

N/A

6.29 Requirement for Contract Administration Fee

N/A

6.30 Payment Terms

See Attachment A – General Conditions, CM at Risk

7.0 SCOPE OF SERVICES

The Construction Manager (CM) will provide the following services:

- Design Phase (Review of Construction Documents and estimating)
- Bid and Award
- Construction, including Acceptance
- Post Construction, including Warranty.

The CM, in consultation with the Designer of Record and the University, will recommend the deliverables of project schedule consistent with Bid Packages necessary to complete the construction within the specified time. Subject to the approval by both the Designer of Record and University the CM will assume the lead in developing and maintaining the project schedule, bidding, construction progress, facility acceptance, and all post construction activities.

7.1 Detailed Services Defined

Each Offeror shall provide information, documentation and other necessary materials that best demonstrates and informs the University of the firm's abilities, professional competence, experience and expertise that will enable the firm to provide the construction management services desired. Demonstrated experience and success in promoting and achieving project MBE/WBE participation is desirable. Each Offeror is expected to examine all specifications, terms, conditions, and instructions in this Request for Proposal. Failure to do so will be at the Offeror's risk.

The submittal response should be focused with straight forward concise descriptions of the firm's capabilities. In keeping with this requirement, the Offeror's response to this request should be no more than (50) fifty pages, not including any preprinted firm information and brochures. Broad scope of services that may be required on this project include, but not necessarily be limited to those described below:

Please complete the attached matrix entitled "Construction Phase Staffing Standardization Matrix", "Offeror's Recommended Staffing", Attachment "G" providing the staffing level you would recommend for the duration of construction activities.

7.1.1 Design Phase Services

The University has retained an Architect of Record (BHDP Architecture) to provide design and conventional architectural contract administration services for *the* project. The CM, in consultation the Architect and the University, will take the lead and develop the remainder of the project schedule, subject to approval by both the Architect and the University.

The CM shall:

1. Prepare required detailed construction cost estimates at each phase of design (I, II, III) to support the design process.
2. Participate in Phase III Construction Document progress review sessions for the purpose of providing input with respect to constructability, contractibility, value engineering, scheduling and document development. In addition, the Construction manager will provide a comprehensive,

independent constructability and interdisciplinary coordination review of the final construction documents for Bid Packages.

3. Provide Special Conditions for approval by the Architect and the University and for inclusion in bidding and contract documents.

7.1.2 Bid And Award Phase Services

- 1) The CM shall assist the Owner's Capital Construction Procurement Division to insure that all bidding activities result in qualified contractors for the lowest possible costs.
- 2) Bids will be solicited by the University in accordance with the Commonwealth of Kentucky Model Procurement Code (KRS 045A). The CM will participate in the post bid evaluation and verification of the qualifications of the firms submitting apparent low bids for each of the bid packages for the project to assist in the determination of the proposals representing the best value to the University.
- 3) As each trade contract and/or purchase order is executed by the CM, the contract between the CM and the University shall be adjusted by an equal amount so that the total contract sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus the base fee for CM Services previously established during Phase II of the CM selection process.

7.1.3 Construction Phase Services

The CM shall:

- 1) Enter into direct contracts with all Trade Contractors and Suppliers.
- 2) Assume the responsibility for the overall administration of construction contracts.
- 3) Provide full-time staff throughout construction for the purpose of monitoring, managing, inspecting, scheduling, and coordinating the timely progress, performance, quality and contract compliance of the trade contractors and suppliers.
- 4) Schedule and conduct meetings, as necessary, and prepare and distribute meeting minutes.
- 5) Develop and maintain a detailed construction schedule in accordance with Contract General Conditions Article 32 and Special Conditions Article 11.
- 6) Request pricing, review and negotiate costs, and make recommendations on all necessary changes to the contracts and/or purchase orders. The contract between the CM and the University shall be amended by change order so that the total sum of the contract between the CM and the University equals the sum of the executed trade contracts and purchase orders, plus approved change orders to the trade contracts and purchase orders, plus the base fee previously established and described in Section 7.3.2, Par. 4, Bid and Award Phase Services, above.
- 7) Coordinate construction interfaces, methods, techniques, and sequences. The Design Team is utilizing Building Imaging Modeling (B.I.M.) to coordinate building systems and to help minimize space conflicts. To that end, the selected Construction Management Firm shall also use B.I.M. for coordination of the construction work, for conflict resolution and in conjunction with the design consultants. Any B.I.M. application used must be compatible with Revit Architecture as manufactured by Autodesk.

- 8) Institute and administer requirements and procedures for the electronic review and approvals of all submittals.
- 9) Prepare and administer all cost control procedures, including monthly pay requests, change order logs, etc.. Prepare Budget Cost Summary Reports as required but no less frequently than monthly.
- 10) Coordinate all requirements of project commissioning and close-out procedures including but not limited to: inspections, Owner's orientation and familiarization, training of Owner's personnel, and collection of all electronic close-out documents. Develop with Owner an occupancy schedule.
- 11) Represent the owner, moderate, seek solutions, make recommendations or take other appropriate actions in matters relating in disputes between contractors, work stoppages, labor disputes, or other disruptions that may occur during the construction of this project.
- 12) Develop and maintain electronic systems for reporting and retrieval of project information.

Note: Construction Phase Services as noted above should assume the durations listed in the enclosed schedule (Attachment "E")The University intends to conduct a reassessment of the schedule with full participation and agreement of the entire team. Should that effort alter these durations then the CM's Construction Phase Services will be amended accordingly and agreed to prior to start of the construction phase.

7.1.4 Post Construction Phase Services

The CM shall:

- 1) Warrant to the Owner and the Consultant that all materials and equipment furnished under the Trade Contracts and Purchase Orders shall be new and in accordance with the requirements of the contract documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents
- 2) Guarantee that labor, material, and equipment shall be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract.
- 3) Warrant that the work performed under the contract between the CM and the Owner, when completed, will conform to the Contract Documents.

7.2 Optional Services (Not Used)

8.0 FINANCIAL OFFER SUMMARY

The **Financial Offer is not required with the first Phase submittal.** It will be requested from the firms that are moved to Phase 2 of the process based on the Evaluation Criteria Process defined in Section 5.0 of this RFP.

Provide a lump sum firm fixed fee quotation to perform the Construction Management services required for the design, bidding, construction, and post construction phases of the project.

The “Financial Score” used in the selection process will be based on the “Total Cost for the Project” (see below). (also ref. Article 5.0, EVALUATION CRITERIA PROCESS, Phase 2 Step 3).

Design Phase Services (to include detailed cost estimates, constructability and interdisciplinary coordination reviews for each design phase).

\$ _____

Bid and Award Phase Services (The CM shall provide a breakdown estimate for each bid package as determined by the agreed upon master schedule.)

\$ _____

Construction Phase Staffing Services
(based on the Construction Staffing Standardization Matrix)

\$ _____

Construction Phase jobsite general conditions

\$ _____

Bonds

\$ _____

Insurance

\$ _____

Overhead & Profit

\$ _____

Post Construction Phase Services

\$ _____

Total Cost for the Project

\$ _____

8.1 Mandatory Services (Section 7.1)

N/A

8.2 Optional Services (Section 7.2)

N/A

8.3 Alternate Pricing

In addition to the above financial offer, the offeror may submit alternative financial proposals, however the information requested above must be supplied and will be used for proposal evaluation purposes.

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FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division

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**GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION BY A
CONSTRUCTION MANAGER AT RISK
University of Kentucky
Capital Construction Division**

These General Conditions are binding upon the Construction Manager and all Sub-contractors as each are subject to the provisions contained herein.

ARTICLE 1 - DEFINITIONS

1.1 Wherever used in these General Conditions or in other Contract Documents, the following terms have the meaning indicated which are applicable to both the singular and plural thereof:

1.1.1 ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) - The term "ASI" means a written order issued by the Consultant that clarifies or interprets the Contract Documents, that orders minor changes in the Work, that does not require an adjustment in either cost or time, and that does not require a Change Order.

1.1.2 BUSINESS DAY – The term "Business Day" means a Calendar Day that is not a Saturday, Sunday or legal holiday in Fayette County, Kentucky.

1.1.3 CALENDAR DAY - The term "Calendar Day" means a day of twenty-four hours measured from midnight to the next midnight

1.1.4 CHANGE ORDER - The term "Change Order" means a written order to the Construction Manager, signed by the Owner and issued after the execution of the Contract, directing a change in the Work or an adjustment in the Contract Amount or the Contract Time. A Change Order may be an agreed change by the Construction Manager and the Owner or it may be a unilateral change by the Owner.

1.1.5 CONSULTANT - The term "Consultant" means the person and/or entity, whether singular or plural, either Architect, Engineer or other Consultant, who is or are identified as such in the Contract Documents.

1.1.6 CONSTRUCTION MANAGER or CONSTRUCTION MANAGER AT RISK (CM) - The term "Construction Manager" or "Construction Manager at Risk" (CM) means the person or entity who will or has entered into a contract with the Owner that assumes the risk for construction of the Project as the construction manager, and who will provide consultation and collaboration regarding the construction during and after design of the Project. The CM shall execute and hold all construction Trade Contracts and Purchase Orders for the Project.

1.1.7 CONTRACT - The term "Contract" means the Contract between Owner and Construction Manager and consists of all Contract Documents as defined in Article 1.1.10 of these General Conditions.

1.1.8 CONTRACT AMOUNT - The term "Contract Amount" means the sum stated in the Agreement which represents the total amount payable by the Owner to the Construction Manager for the performance of the Work under the Contract Documents, plus or minus adjustments as provided for in the Contract Documents or by approved Change Orders.

1.1.9 CONTRACT DOCUMENTS - The "Contract Documents" include the Agreement of Contract between the Owner and the Construction Manager (the "Agreement"); the Request for Proposal; the General Conditions; the Special Conditions; the Construction Manager's Form of

Proposal; the Construction Manager's Bonds; the Specifications, Drawings and Addenda for the construction of the Project which are to be used for bidding of the bid pack/Trade Contracts; and any Change Orders issued after execution of this Contract. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Sub-contractor, or any person or entity other than the Construction Manager. Documents not included or expressly contemplated in this Article do not, and shall not, form any part of the Contract for Construction. Without limiting the generality of the foregoing, shop drawings and other submittals from the Construction Manager or its Sub-contractors and suppliers do not constitute a part of the Contract Documents. Except as otherwise provided, where these Contract Documents obligate the Construction Manager to certain responsibilities or require the Construction Manager to perform certain actions, the Construction Manager may require these same responsibilities and/or actions of one or more Sub-contractors. However, assignment of such responsibilities or actions to one or more Sub-contractors shall not be construed to relieve the Construction Manager of its obligation to the University under this contract.–

1.1.10 CONTRACT TIME - The term "Contract Time", unless otherwise provided, means the specified number of consecutive Calendar Days following the stipulated commencement of the Work as stated in the Work Order, plus or minus adjustments as provided for by approved Change Orders, within which the Construction Manager shall complete the Work required by the Contract and shall achieve certification of substantial and final completion.

1.1.11 KRS REFERENCES - Reference to "KRS" means the "Kentucky Revised Statutes" adopted by the Commonwealth of Kentucky, including all laws that may have been revised, amended, supplemented or new laws enacted.

1.1.12 OWNER - The term "Owner" means the University of Kentucky, a statutory body corporate existing pursuant to Sections 164.100 et seq. of the Kentucky Revised Statutes.

1.1.13 PROJECT - The term "Project" means the total construction of the Work performed under the Contract Documents, which may be the whole or a part, and which may include construction by the Owner or by separate contracts.

1.1.14 PROJECT MANAGER - The term "Project Manager", when used alone, means the Owner's representative responsible for administration and management of the Project. The Owner's Project Manager during construction shall be the designated University of Kentucky Capital Projects Management Project Manager that is in charge of the Project. The term "CM Project Manager" means the individual employed by the Construction Manager who is assigned to the Project to provide overall management during both the design and construction phases of the Project, and who has total responsibility for the successful completion of the Project

1.1.15 PROVIDE - The term "Provide," as used throughout the specifications, shall mean furnish, install and pay for.

1.1.16 SHOP DRAWINGS - The term "Shop Drawings" means drawings, diagrams, schedules, and other data specially prepared for the Work by the Construction Manager or any Sub-contractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

1.1.17 SUBSTANTIAL COMPLETION - The term "Substantial Completion" is the point at which, as certified in writing by the Owner, a project is at the level of completion, in strict compliance with the contract, where (a) necessary approval by public regulatory authorities (and by other authorities having jurisdiction or as identified in Article 11.2, as necessary) has been given; (b) the Owner has received all required warranties and documentation, and (c) the Owner may enjoy beneficial use or

occupancy and may use, operate, and maintain the project in all respects, for its intended purpose. Partial use or occupancy shall not necessarily result in the project being deemed substantially complete and shall not be evidence of Substantial Completion. In order for the Owner to enjoy beneficial use or occupancy and use, operate, and maintain the project in all respects, for its intended purpose, the stage or progress of the Work or a designated portion thereof shall be sufficiently complete, accessible, operable and usable, and all parts, systems and site Work shall be 100% complete, cleaned and available for the Owner's full use without interruption in accordance with the Contract Documents, including but not limited to the provisions of Article 28 of these General Conditions. The Work will not be considered acceptable for Substantial Completion review until all Project systems included in the Work are operational as designed and scheduled, all designated or required governmental inspections and certifications have been made and approvals provided to the Owner, designated instruction of the Owner's personnel in the operation of systems has been completed, and all final finishes within the Contract Documents are in place. In general, the only remaining Work shall be minor in nature so that the Owner and/or the Owner's tenants could occupy the Project on that date and the completion of the Work by the Construction Manager would not materially interfere or hamper the Owner's or the Owner's tenants' normal business operations. As a further condition of Substantial Completion acceptance, the Construction Manager shall certify in writing that all remaining Work, the same being solely of a "punch list" nature, will be completed within thirty (30) consecutive Calendar Days following the date of Substantial Completion.

1.1.17.1 The parties agree that "substantial completion" as defined in Article No. 2 of the Agreement and Article 1 of the General Conditions, as extended by approved Change Order(s) pursuant to Article 18.1 of the General Conditions, shall be the "date of completion specified in the contract" for purposes of KRS. 45A.250(2).

1.1.18 SUB-CONTRACTOR - The term "Sub-contractor" means the person, company, corporation, joint venture or other legal entity with whom the Construction Manager has executed a Contract for a portion of the Work.

1.1.19 WORK - The term "Work" means the scope of construction and services required by the Contract Documents and all approved Change Orders, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Construction Manager to perform and complete the Construction Manager's obligations under the Contract in an expeditious, orderly and workmanlike manner. The Work may constitute the whole or a part of the Project.

1.1.20 WORK ORDER - The term "Work Order" means a written notice by the Owner to the Construction Manager authorizing the Construction Manager to commence Work under the Contract and establishing the beginning date from which the time for Substantial and Final Completion shall be established.

1.1.21 UNIT PRICE - The term "Unit Price" means the amount per unit of measurement for materials or services as described in the bid documents.

ARTICLE 2 - CONSULTANT

2.1 The Consultant will be the Owner's representative during construction and until the Work is complete. The Consultant will advise and consult with the Owner. The Owner's instructions to the Construction Manager may be forwarded through the Consultant.

2.2 The Consultant will regularly, but no less frequently than monthly, visit the site to become familiar with the progress of the Work, the quality of the Work being provided and to determine if the

Work is proceeding in accordance with the Contract Documents. On the basis of these on-site inspections, the Consultant will inform the Owner of the progress of the Work, will advise the Owner of any defects and deficiencies observed in the Work and, when appropriate, will certify to the Owner that the Work in place equals or exceeds the amount requested by the Construction Manager on all applications for progress payments.

2.2.1 If applicable for the Work, the Consultant will verify to the Owner that the Construction Manager is performing erosion prevention and sediment control inspections as required by the Kentucky Division of Water Construction General Permit (KYR10) at least once every 7 days and shall include the findings in the site visit reports.

2.3 The Consultant will be the interpreter of the requirements of the drawings and specifications and any changes made to the drawings and specifications.

2.4 Claims, disputes, and other matters in question that arise relating to the execution or the progress of the Work shall be referred in writing to the Consultant by the Construction Manager. The Consultant will provide a response in accordance with and subject to the provisions of Article 38 of these General Conditions.

2.5 The Consultant will have the authority to reject Work which does not conform to the Contract Documents or to the required level of quality and performance.

2.6 The Consultant will review and approve, or take other appropriate action upon receipt of the Construction Manager's submittals such as Shop Drawings, product data, and samples. The review of submittals will be for general conformance with the design concept of the work, and for compliance with the information provided by the Contract Documents. Such review will not relieve the Construction Manager of any responsibility for errors or omissions in submittals, and will in no way constitute a waiver of or change to the requirements of the Contract Documents.

2.6.1 The Consultant's review and response will be completed with reasonable promptness with a goal of ten (10) business days or less. The Consultant's review of a specific item shall not indicate approval of an assembly of which the item is a component.

2.7 The Consultant will prepare Change Orders for the Owner to direct changes in the Work. Minor changes in the Work, not involving modifications to the contract cost or completion times and that are consistent with the purpose of Work, may be directed by the Consultant through Architect's Supplemental Instructions (ASI).

2.8 When requested by the Construction Manager, the Consultant will conduct inspections to determine if the Project is at the level of completion required by and is in strict compliance with the Contract such that the Owner may enjoy beneficial use or occupancy and may use, operate, and maintain the project in all respects for its intended purpose, as further defined in the Contract. If the level of completion warrants, the Consultant will confirm that all necessary approvals by public regulatory authorities or other authorities having jurisdiction have been given, will confirm that the Owner has received all required warranties and documentation, will recommend dates for certification of Substantial Completion and Final Completion by the Owner, and will complete and submit the Notice of Termination of coverage under the KPDES General Permit for Storm Water Discharges Associated with Construction Activity.

2.9 The Construction Manager will accept direction for the Work on the Project only from the Owner's Project Manager or from the Consultant. Requests for information from the Construction Manager shall be directed to the Consultant.

ARTICLE 3 - CORRELATION AND INTENT OF CONTRACT DOCUMENTS

3.1 Execution of the Contract by the Construction Manager is a representation that the Construction Manager has or shall thoroughly and carefully examine the site of the of Work; shall timely investigate all conditions which can affect the Work or its cost, including but not limited to availability of labor, materials, supplies, water, electrical power, roads, access to the site, uncertainties of weather, water tables, the character of equipment and facilities needed to perform the Work, and local conditions under which the Work is to be performed; and further, that the Construction Manager shall insure that the documents issued for bidding by Sub-contractors reflect the results of this investigation and are adequate to complete the Work. It is the responsibility of the Construction Manager to be familiar with and comply with all Federal, State, and local laws, ordinances, and regulations which might affect those engaged in the Work, and to be familiar with the materials, equipment, or procedures to be used in the Work, or which in any other way could affect the completion of the Work. The Construction Manager shall carefully study and compare the Contract Documents with each other and with other information provided to the Construction Manager by the Consultant or the Owner pursuant to the Contract Documents and shall notify the Owner and the Consultant in writing of any errors, inconsistencies or omissions in the Contract Documents recognized by the Construction Manager. Any failure to properly familiarize itself with the proposed Work shall not relieve the Construction Manager from the responsibility for completing the Work in accordance with the Contract Documents.

3.2 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Construction Manager. All labor or materials which are reasonably inferable from the Contract Documents and which are necessary to produce the desired result, even though not specifically mentioned in the Contract Documents, shall be included in the Work at no additional cost to the Owner.

3.3 In the event a question arises regarding the meaning or intent of the Contract Documents, the Construction Manager shall report it by preparing an RFI in eCommunication[®] to the Consultant. The Consultant shall furnish, with reasonable promptness and with a goal of three (3) business days and by whatever means as may be appropriate, additional instructions necessary for the proper execution of the Work. All such drawings and instructions shall be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom. The Work shall be executed in conformity therewith and the Construction Manager shall do no Work without proper drawings and instructions. Items indicated on drawings as "N.I.C." or "Not In Contract" are shown for explanation purposes only and are not to be included in this Contract.

3.4 The Contract Documents are complementary, and what is required by one shall be binding as if required by all. In case of conflicts between the various documents, the order of precedence will be as follows: (1) Addenda, (2) Special Conditions, (3) General Conditions, (4) Technical provisions of the Specifications and (5) Drawings.

3.5 Any notice to the Construction Manager from the Owner regarding this Contract shall be in writing and delivery and service of such notice shall be considered complete when sent by certified mail to the Construction Manager at Construction Manager's last known address. Such notice may also, at the Owner's election, be hand-delivered to the Construction Manager or the Construction Manager's authorized representative.

ARTICLE 4 - PRE-CONSTRUCTION CONFERENCE

4.1 Following the execution of the Contract, a pre-construction conference will be held. Representatives of the Capital Project Management Division, Consultant, Construction Manager, and all major Sub-contractors shall be present to discuss the time for construction, methods and plan of operation, authority of the Consultant, procedures for handling shop drawings, progress estimates and requests for payments, and other relevant issues. The time and location of this meeting will be the responsibility of the Construction Manager in consultation with the Consultant, Owner and other interested parties.

4.2 Environmental aspects of the project, including erosion prevention and sediment control (EPSC) and storm water management shall be discussed during this conference. The Group shall discuss the Storm Water Pollution Prevention Plan (SWPPP) to ensure that all parties understand the requirements. During this meeting the responsibility for reading the rain gage on a daily basis will be established. The Construction Manager will identify the initial measures to be installed prior to land disturbing activities beginning. Any modifications to the SWPPP due to constructability issues should be discussed at this conference.

ARTICLE 5 - SHOP DRAWINGS

5.1 The Construction Manager shall submit a shop drawing and product sample submittal schedule to the Consultant establishing dates for the submission of Shop Drawings and product samples prior to the submittal of the Construction Manager's first application for payment for construction phase services. The schedule shall have been coordinated with all Sub-contractors and material suppliers as well as the Construction Manager's construction schedule and shall allow for adequate and reasonable time for review of the samples and submittals by the Consultant. The Construction Manager shall be responsible for compliance with the submittal schedule and shall insure that the submittal schedule is maintained in order to accurately reflect the status of processing all required submittals.

5.2 The Construction Manager shall review product samples and Shop Drawings for compliance with the requirements of the Contract Documents, and shall submit them to the Consultant in accordance with submittal procedure and schedule established. The Construction Manager's review and submittal to the Consultant of any Shop Drawing or sample shall constitute a representation to the Owner and Consultant that a) the Construction Manager has determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data, or assumes full responsibility for doing so, and that b) each Shop Drawing or sample has been reviewed or coordinated with the requirements of the Work and the Contract Documents. Shop Drawings and submittal requirements shall not be deemed satisfied until approvable documents are received by the Consultant. Incorrect or incomplete submittals will be returned to the Construction Manager without action. No claim for additional time or extension of the contract will be considered if such claim is the result of failure by the Construction Manager to provide correct, accurate, complete and approvable submittals.

5.3 The Consultant will review submittals with reasonable promptness, and take appropriate action or return submittals to the Construction Manager for corrections as may be required. The Construction Manager shall make any corrections required by the Consultant for compliance with the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions.

5.4 Where a Shop Drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been accepted in writing by the Consultant. The review and acceptance shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The acceptance of a separate item will not indicate acceptance of the assembly in which the item functions. A copy of each accepted Shop Drawing and product sample shall be kept in good order by the Construction Manager at the site and shall be made available to the Consultant on request.

5.5 The Consultant's acceptance of Shop Drawings or samples shall not relieve the Construction Manager from the responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any acceptance by the Consultant does not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

ARTICLE 6 - LAYING OUT WORK

6.1 The Construction Manager will secure all data at the site of the building such as grades of lot, convenience of receiving and sorting material, location of public services, and other information which will have a bearing proposals or on the execution of the Work and shall address these issues in the preparation of scopes of work for the Subcontract bid packages. No allowance shall be made for failure of the Construction Manager to obtain such site information prior to submitting their proposal or to include such information in the Subcontract bid packages, and no adjustment to the Construction Manager's Contract amount or stipulated time for completion shall be allowed when due to failure by the Construction Manager to do so.

6.2 The Construction Manager shall be responsible for all lines, levels and measurements of all Work executed under the Contract. The Construction Manager shall verify all dimensions before laying out the Work and will be held responsible for any error resulting from failure to do so. Working from lines and levels established by the property survey or by other Contract Documents, and as shown in relation to the Work, the Construction Manager will establish and maintain bench marks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on the site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the bench marks and dependable markers required dimensions as shown (within recognized tolerances if not otherwise indicated), and shall not scale drawings to determine dimensions. The Construction Manager shall advise Sub-contractors and trades persons performing Work of marked lines and levels provided for their use in layout work. The Construction Manager shall verify layout information shown on drawings as required for the Work.

6.3 The Construction Manager shall be responsible for coordination of the installation of all elements of the Work, including preparation of coordination drawings if required by the Contract Documents or deemed necessary by the Construction Manager for performance of the Work.

6.4 If any encroachments are made by the Construction Manager or any Sub-contractor on any adjacent property, the Construction Manager shall, at the Construction Manager's expense, and within thirty (30) Calendar Days after written notice from the Owner or the Consultant, correct any encroachments and obtain approval from the owner of such adjacent property for any encroachments that cannot be feasibly corrected. The Construction Manager shall not be entitled to any adjustment to the Contract Amount or the Contract Time as a result of any such encroachment or the correction thereof.

ARTICLE 7 - PLANS, DRAWINGS, SPECIFICATIONS AND RECORD DRAWINGS

7.1 Unless otherwise provided in the Contract Documents, the Owner will furnish the Construction Manager free of charge one electronic or reproducible copy of the Drawings and Specifications for execution of the Work. The Construction Manager shall pay for the cost of duplication of all sets required over and above this amount.

7.2 The cost of additional plans, specifications and official contract documents for use by Sub-contractors for bidding and for construction shall be borne by the Construction Manager or by the Sub-contractors. Arrangements for orders and payment for plans, specifications and other contract documents must be made with Lynn Imaging, Lexington, Kentucky (<http://www.ukplanroom.com>) or by phone at 1.800.888.0693 or 859.255.1021) before a set of documents will be issued.

7.3 The Construction Manager shall keep one copy of all Contract Documents, including Drawings, Specifications and Shop Drawings on the site and in good order. A qualified representative of the Construction Manager shall record on these documents, from day to day as Work progresses, all changes and deviations from the Contract Documents. Prior to Substantial Completion, the Construction Manager shall complete and turn over to the Consultant the As-Built drawings, with a digital copy (in PDF format) submitted to the Owner simultaneously. The As-Built drawings shall consist of a set of drawings which indicate all field changes that were made to adapt to field conditions, changes resulting from Change Orders and all concealed and buried installations of piping, conduit and utility services. All buried and concealed items, both inside and outside the facility, shall be accurately located on the As-Built drawings as to depth and in relationship to not less than two permanent features such as interior or exterior wall faces. The As-Built drawings shall be clean and all changes, corrections and dimensions shall be given in a neat and legible manner in a contrasting color. For any changes or corrections in the Work which are made subsequent to the Substantial Completion Inspection, revisions shall be made to the As-Built drawings and submitted to the Consultant prior to final payment. Approval of the final payment request shall be contingent upon compliance with these provisions.

7.4 All drawings, specifications and copies thereof, furnished by the Consultant to the Owner, are the property of the University of Kentucky. They shall not be used by the Consultant, Construction Manager, or any Sub-contractor or Supplier on any other Project.

ARTICLE 8 - TEMPORARY UTILITIES

8.1 The Construction Manager shall provide and pay for, unless modified in the Special Conditions, all temporary conveniences including, but not limited to, wiring, lighting, power and electrical outlets, heat, water, and sanitary facilities required for construction. In the event the Owner elects to make available, at no cost to the Construction Manager, the electric power required for construction activities, the electric power supplied shall not be utilized as a means to provide temporary heat or for welding.

8.2 The Construction Manager is responsible for paying all utility costs, whether the costs are from an outside utility company or from the University, for utility services used in the course of completing the Work. The Construction Manager shall provide temporary heating, ventilation, telephones, water, electricity, portable gas, lighting for the Work, safety lighting, security lighting, and trash removal/dumpster service for both Construction Manager and Sub-contractor use during the Project. Work and safety lighting shall be provided continuously during working hours. Security lighting shall be provided at all hours of darkness.

ARTICLE 9 - MATERIALS, EQUIPMENT, APPLIANCES, AND EMPLOYEES

9.1 Unless otherwise provided in the Contract Documents, the Construction Manager shall provide and pay for all materials, labor and personnel, tools, equipment, construction equipment and machinery, utilities, supplies, appliances, transportation, taxes, temporary facilities, licenses, permits and all other facilities and incidentals necessary for the furnishing, performance, testing, start-up and the proper execution and completion of the Work safely, without damage to persons and property, and in compliance with all applicable law. The Construction Manager shall furnish, erect, maintain, and remove at the completion of the Contract, all temporary installations as may be required during the construction period.

9.2 Immediately following the execution of each of the Trade Contracts, the Construction Manager shall determine the source of supply for all materials required under that Trade Contract and the length of time required for their delivery, and shall assure that orders are placed for such materials in sufficient time to assure delivery to the site so that such materials are available to be incorporated into the Work when needed to comply with the schedule of Work.

9.3 The Construction Manager shall immediately notify the Consultant in writing of any known problems with the procurement, fabrication or ordering of any materials. Unless changes are approved in writing by the Consultant, the Construction Manager will not be excused for delays in securing materials specified.

9.4 The Construction Manager or Sub-contractors shall not place purchase orders or issue contracts for materials, supplies, equipment and services necessary to complete this Project using the name of the University of Kentucky. All orders placed by the Construction Manager that are related to this Project must use the name of the Construction Manager or Sub-contractor placing the order. The use of the University of Kentucky's name for ordering purposes is strictly prohibited. Payment for all goods and services required for the completion of the Work is the sole responsibility of the Construction Manager. Any invoices received at the University that are related to this Project will be immediately forwarded to the Construction Manager. Copies of these invoices will be made and placed in the Construction Manager's file and proof must be provided that these invoices have been paid in full prior to the processing of the next scheduled application for progress payment.

9.5 The route for delivery of all materials to the Project shall be coordinated with the Owner's Project Manager.

9.6 The Construction Manager shall be responsible for the proper and adequate storage of materials and equipment. Unless otherwise provided in the Contract Documents, all materials shall be of good quality and new. Workmanship and materials supplied and incorporated into this Work shall be of first quality. The Construction Manager, if required, shall furnish satisfactory evidence as to the kind and quality of materials.

9.7 The Construction Manager shall at all times enforce strict discipline and good order among all employees and Sub-contractors. The conduct of all individuals performing Work or operations related to the Work is the responsibility of the Construction Manager. The consumption of alcohol or drugs on the job by any workers is strictly prohibited. Any individual apprehended under the influence of alcohol or drugs on the premises at any time shall be subject to automatic removal from the Project by the Construction Manager, the Consultant or the Owner. Improper conduct of any kind will not be permitted and may result in the offending individual, Sub-contractor or Construction Manager being barred from the Owner's premises. The Construction Manager shall not permit the employment on the Project of any person unfit or not skilled in the Work assigned.

ARTICLE 10 - ROYALTIES AND PATENTS

10.1 The Construction Manager shall pay all royalties and license fees. If a particular process, product or device is specified in the Contract Documents and it is known to be subject to patent rights or copyrights, the existence of such rights shall be disclosed in the Contract Documents and the Construction Manager is responsible for payment of all associated royalties. The Construction Manager hereby agrees to indemnify, defend and hold the Owner, and any subsidiary, parent, or affiliates of the Owner, or other persons or entities designated by the Owner, and their respective directors, officers, agents, employees and designees (collectively, the "Indemnities") harmless from all losses, claims, liabilities, injuries, damages and expenses, including attorneys' fees and legal expenses, that the Indemnities may incur as a result of the Construction Manager's failure to strictly comply with its obligations under this Paragraph 10.1.

ARTICLE 11 - SURVEYS, PERMITS, REGULATIONS, AND STANDARD CODES

11.1 The Owner will furnish only such surveys that are specifically required by the Contract Documents. Approvals, assessments, and easements for permanent structures or permanent changes in existing structures shall be secured and paid for by the Owner, unless otherwise specified. All required utility tap-on fees shall be secured and paid for by the Construction Manager, or included in a Trade Contract, including the Lexington-Fayette Urban County Government (LFUCG) sewer tap-on fee. All construction permits, where required by local ordinances, except excavation permit, shall be obtained by the Construction Manager, but no fee shall be charged to or paid by the Construction Manager as the Owner is exempt from such charges. A Contractor's license fee for doing business in the locale, if applicable, shall be paid for by the Construction Manager.

11.2 All branches of Work shown on the plans and specifications shall be executed in strict compliance with all state and federal regulations and codes, with all national codes, and with the requirements of both ADA and JCAHO when applicable.

11.3 The Contractor, on projects disturbing 1 acre or more, or projects less than 1 acre that are part of a large common development plan, including grading, clearing, excavation, material laydown or other earth moving activities, shall assure full compliance with the requirements of the KYR10 and shall:

11.3.1 File a Notice of Intent (KPDES FORM eNOI-SWCA) with the Kentucky Division of Water and copy the UKCPM Project Manager and Water Quality Manager prior to the start of any excavation, grading or site development work.

11.3.2 The permittee (contractor) shall develop a Stormwater Pollution Prevention Plan (SWPPP) based on the Erosion Prevention and Sediment Control Plan (EPSC) as a minimum design standard. Ensure all requirements of KYR10 are fully addressed in the SWPPP. **Once the SWPPP is written, forward a copy to the Capital Projects Project Manager and to the Water Quality Manager for approval. Work cannot begin until SWPPP is approved and permit coverage obtained.**

11.3.3 Install BMP's such as, basins, traps, drainage, and sediment barriers before beginning land disturbing activities, including the construction entrance/exit. Once prevention measures have been installed, grading can commence. In the event a new construction entrance is added to the site, this new entrance must be built according to the EPSC design details with a wheel wash, a water supply and a sediment catch basin for washed wheel sediment.

11.3.4 Maintain all measures in working condition. Perform maintenance activities identified during inspections prior to the next rain event. Remove sediment from BMPs when 1/3 the storage volume has been filled.

11.3.5 Stabilize disturbed areas within 14 days of inactivity or reaching final grade on any portion of the site according to permit requirements.

11.3.6 Inspect the site every 7 calendar days and after each rainfall of ½" or more. Document site conditions, rainfall, maintenance activities needed and performed, stabilization needed and performed, and where new measures are needed. Discuss deficiencies with UK Project Manager and Water Quality Manager and note on the SWPPP Inspection Sheets.

Per the KPDES Permit, Section 2.1.7. "Inspections – Permittee Conducted". "Inspections shall be performed by personnel knowledgeable and skilled in assessing conditions at the construction site that could impact storm water quality and assessing the effectiveness of erosion prevention measures, sediment control measures, and other site management practices chosen to control the quality of the storm water discharges. Inspectors shall have training in storm water construction management such as Kentucky Erosion Prevention & Sediment Control (KEPSC), Certified Professional in Stormwater Quality (CPSWQ), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), or other similar training."

Inspections shall include a tour of the total site and verification that all BMPs are performing as constructed. Inspector shall certify that all observations are correct as stated and sign and date the inspection form.

11.3.7 Keep Permit, SWPPP, weekly/rain event inspections sheets in binder in construction trailer. Any BMP change/alteration from SWPPP and EPSC plan must be noted on the EPSC and SWPPP.

11.3.8 No soil and sediment shall leave the construction site. BMPs shall be repaired immediately if failure has occurred. No Mud shall be permitted on any street. All entrances/exits shall have a means by which to wash wheels. If an entrance/exit does not have a wheel wash, that exit shall not be used in muddy conditions. If for any reason mud is tracked offsite, the area must be cleaned in such a way as to prevent sediment from entering the storm sewer system. The use of tractor brooms solely will not be permitted.

11.3.9 When it is necessary to dewater an excavation, proper BMPs must be implemented. Dewatering filter bags must be sized and used according to manufacturer's requirements and Standard Operating Procedures for Dewatering Bags.

11.3.10 UK (the MS4) routinely inspects sites for compliance with the EPSC/SWPPP. Any deficiencies noted become record for the Kentucky Division of Water and shall be remedied/installed as soon as site conditions are favorable but no more than 7 days from the inspection date.

11.3.11 At the conclusion of the project and all bare areas, slopes and ditches are 70% vegetated with the permanent ground cover, the contractor shall notify the UK Project Manager and Water Quality Manager and request a final site inspection prior to filing a "Notice of Termination (NOT) with the state. This inspection verifies that Construction BMPs can be removed, and Post-Construction BMPs are in place and functioning.

11.3.12 Failure of the site contractor (permittee of the KPDES Permit) to timely comply with requirements of KPDES, the Construction Manager shall inform the site contractor that a third party contractor shall be retained to remediate all BMP deficiencies immediately, and all third party costs shall be passed to the permittee of the KPDES Permit. Any fines or other costs

resulting from failure to comply, levied against the Owner will be assessed against the Construction Manager's or General Constructor's funds.

11.3.13 Refer to 334000S01 STORM DRAINAGE UTILITIES – Information for Consultants & Contractors.

11.3.14 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard.

11.4 Reference to standards, codes, specifications, and regulations refer to the latest edition of printing in effect at the date of issue shown in the Contract Documents unless another date is implied by the suffix number of the standard

11.5 The Construction Manager shall furnish a final occupancy permit from the proper agency or agencies as required.

11.6 The Construction Manager shall, by provision within each applicable subcontract or by inclusion in the lump sum fee proposed to the Owner, insure the payment of all sales, consumer, use and similar taxes for materials, equipment and supplies incorporated into the Work, by unless otherwise specified in the bid documents.

ARTICLE 12 - PROTECTION OF WORK, PROPERTY, AND PUBLIC

12.1 The Construction Manager shall continuously maintain adequate protection of all Work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract. Except as otherwise covered by Builder's Risk insurance, the Construction Manager shall pay for any damage, injury, or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner. The Construction Manager shall adequately protect adjacent property as provided by law and the Contract Documents.

12.2 In an emergency affecting the safety of life, or of the Work, or of adjoining property, the Construction Manager, without special instruction or authorization from the Consultant or the Owner, is obligated to act to prevent such threatened damage, loss or injury.

12.3 The Construction Manager shall maintain fire protection as required by the Kentucky Building Code. Access to the Project site and surrounding buildings for local fire truck access during construction must be maintained. The Construction Manager shall maintain construction to allow access to new, existing or temporarily relocated standpipes, fire hydrant connections and fire alarm communication panels pursuant to Section 3018.8 of the Kentucky Building Code. If the Construction Manager utilizes the Owner's fire protection equipment, the Construction Manager shall replace any such materials lost, consumed or misplaced during the Contract period. The Construction Manager is responsible for any false alarms caused by dust created in the Work area or dust traveling to areas beyond the Work area due to inadequate dust protection barriers. Should there be a need for any existing or newly installed fire alarm system, or parts of a system that requires service, to be removed from service or disconnected, prior approval must be obtained from the Owner and the Construction Manager shall immediately provide alternate protection such as a fire watch until such systems are returned to full normal operations. When work or service is completed on a disabled fire alarm system, the Owner shall be immediately notified so the system can be placed in service.

12.4 The Construction Manager and Sub-contractors are responsible for the security of their own materials, tools and equipment at the Project site.

12.5 The Construction Manager shall provide to the Owner's Project Manager a key to Construction Manager's field office or job trailer.

ARTICLE 13 - BLASTING

13.1 Blasting is not allowed unless permission is granted in the Special Conditions. Should blasting be allowed by the Special Conditions, it shall be completed in accordance with all laws, regulations, ordinances and instructions contained in the Special Conditions.

ARTICLE 14 - CONSTRUCTION AND SAFETY DEVICES

14.1 The Construction Manager shall provide safety controls for protection of the life and health of employees and visitors. The Construction Manager will utilize precautionary methods for the prevention of damage to property, materials, supplies, and equipment, and for avoidance of work interruptions in the performance of this Contract. In order to provide such safety control, the Construction Manager shall comply with all pertinent provisions of the Kentucky Fire Prevention Code, Kentucky Building Code, Kentucky Labor Cabinet's Division of Occupational Safety and Health Program Construction Standards and Federal Occupational Safety and Health (Construction) Standards that are in effect at the time the Contract is entered into and during the period in which the Contract is to be performed.

14.2 The Construction Manager shall provide a written safety program which includes all pertinent written specialty standards such as, but not limited to, Control of Hazardous Energy Sources (Lockout/Tagout), Hazard Communications Program, First Aid, Blood Borne Pathogen Program, Respirator Use Program and Hearing Conservation Program. The Construction Manager shall require all Sub-contractors to have an effective written safety program or be required to follow the Construction Manager's written safety program.

14.3 The Construction Manager shall maintain an accurate record of and shall report to Kentucky Labor Cabinet's Division of Occupational Safety and Health in the manner and on the forms prescribed by that Division, exposure data and all accidents resulting in death, traumatic injury, or occupational disease. The Construction Manager shall maintain an accurate record of and shall report to the Owner's Project Manager, any damage to property, materials, supplies, or equipment incident to Work under this Contract.

14.4 The Kentucky Labor Cabinet's Division of Occupational Safety and Health may notify the Construction Manager of any noncompliance with the foregoing provisions. The Construction Manager shall, upon receipt of such notice, immediately correct the cited conditions. Notice delivered to the Construction Manager or the Construction Manager's representative at the site of the Work shall be deemed sufficient for this purpose. If the Construction Manager fails or refuses to comply promptly, the Owner may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. Failure or refusal to comply with the order will be grounds for reducing or stopping all payments due under the Contract to the Construction Manager. No part of the construction time lost due to any such stop order shall be cause for, or the subject of a claim for, extension of time or for additional costs or damages by the Construction Manager.

14.5 The Construction Manager or any Sub-contractor shall immediately contact the University of Kentucky's Department of Occupational Health and Safety through the Owner's Project Manager

should they be selected for an inspection by the Kentucky Occupational Safety and Health Compliance Division.

14.6 Compliance with the provisions of the foregoing sections by Sub-contractors shall be the responsibility of the Construction Manager.

14.7 Nothing in the provisions of this Article 14 shall prohibit the U.S. Department of Labor or the Kentucky Department of Labor Division of Occupational Safety and Health from enforcing pertinent occupational safety and health standards as authorized under Federal or State Occupational Safety and Health Standards.

14.8 The Construction Manager shall take all necessary precautions for the safety of employees on the Work, and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed. If the Construction Manager or any Sub-contractor has questions related to the health or safety required by their written safety program, they should contact the Kentucky Labor Cabinet Occupational Safety and Health Program Division of Education and Training. The Construction Manager shall designate a responsible member of the on-site work force as the safety officer and shall report to the Consultant and to the Owner the name of the person selected. The duties of the safety officer include the enforcement of safety regulations.

ARTICLE 15 - HAZARDOUS MATERIALS

15.1 If the Construction Manager encounters material reasonably believed to be or suspected to be asbestos containing material, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the following procedures must be followed:

15.1.1 The Construction Manager shall immediately stop work in the affected area and notify the Owner's Project Manager. The Owner's Project Manager will contact the Owner's Environmental Health and Safety unit to arrange for collection of samples, review of existing data, or other testing necessary to confirm the presence of hazardous materials. The Owner's Project Manager will notify the Construction Manager in writing of the results. Until that notification is received, the Work must not continue in the affected area.

15.1.2 If the material is confirmed to be asbestos, lead, polychlorinated biphenyls (PCBs), fluorescent light bulbs and ballasts, mercury or other hazardous material, the Owner will take appropriate action to remove the material before the Construction Manager can continue Work in the affected area.

15.1.3 The Construction Manager shall not be required to perform any Work related to asbestos, lead, polychlorinated biphenyls, or other hazardous material. The Construction Manager is advised that certain classes of building materials (thermal system insulation, sprayed or troweled surfacing materials, and resilient flooring) installed before 1981 are required by law to be treated as asbestos containing until proven otherwise. These presumed asbestos containing materials must not be disturbed without confirmation from the Owner that asbestos is not present.

15.2 The Owner, the Construction Manager, and Sub-contractors will be under the requirements of the OSHA Hazard Communication Standard (29) CFR 1910.1200. The Construction Manager and Sub-contractors must provide their own written Hazard Communication Program. The Hazard Communication Standard must include: (1) A list of the hazardous chemicals to which the Construction Manager's employees may be exposed; (2) Statement of the measures that Construction Manager's employees and Sub-contractors may take to lessen the possibility of exposure to the

hazardous materials; (3) The location of and access to the Material Safety Data Sheets (MSDS's) related to the hazardous chemicals located in the Work area; (4) Procedures that the Construction Manager's employees and Sub-contractors are to follow if they are exposed to hazardous chemicals above the Permissible Exposure Limit (PEL). Material Safety Data Sheets may be reviewed upon request by the Construction Manager or any Sub-contractor as they pertain to the Work areas of the Project. Photocopies of the MSDS's may be made by Construction Manager at its expense.

15.3 The Construction Manager and Sub-contractors shall provide the Owner with a list of any hazardous materials that will be used on the job site. The Construction Manager and Sub-contractors shall provide the Owner with copies of Material Data Sheets for all such materials to be used.

15.4 It is the policy of the Owner that PCB containing equipment will be treated by the Construction Manager and the Owner in a manner that conforms to the intent of all applicable laws and regulations (primarily 40 CFR Part 761). The following procedures shall be followed by the Construction Manager and Sub-contractors while present on the Owner's Project or other property: (1) Only authorized, trained personnel may inspect, repair, or maintain PCB transformers; and (2) No combustible materials may be stored within a PCB transformer room or within five meters of a PCB transformer. Such materials include, but are not limited to, paints, solvents, plastic, paper, and wood. The Construction Manager shall not use rooms containing PCB transformers for storage rooms, staging areas, job site offices or break rooms. Violation of this policy may be grounds for dismissal of the offending Construction Manager and/or Sub-contractor from the Project. All PCB transformers at the University of Kentucky are identified by a PCB label as defined in federal regulations. If the Construction Manager should have a question as to the location of a PCB transformer, it should contact the Owner's Project Manager.

15.5 The Construction Manager shall ensure that NO asbestos-containing materials (including but not limited to: drywall, joint compound, roof mastic or floor tile adhesive) will be install on any University project without prior written approval of the University's Environmental Health and Safety Division. Additionally, the Construction Manager shall submit MSDS sheets and have prior approval before installing any materials that contains hazardous substances or could pose an environmental hazard. If any environmental hazardous materials are installed without written approval of the University, the Construction Manager will be responsible for all material replacement cost, all removal and all other associated damages. Any materials removed shall be taken out in accordance with all applicable federal, state and local regulations.

ARTICLE 16 - INSPECTION OF WORK

16.1 Inspections, tests, measurements or other acts of the Consultant are for the sole purpose of assisting the Consultant in determining if the Work, materials, rate of progress, and quantities comply with the Contract Documents. These acts or functions shall not relieve the Construction Manager from performing the Work in full compliance with the Contract Documents, nor relieve the Construction Manager from any of the responsibility for the Work assigned to it by the Contract Documents. No inspection by the Consultant shall constitute or imply acceptance. Approval of material is general and shall not constitute waiver of the Owner's right to demand full compliance with Contract Documents.

16.2 All Work completed and all materials incorporated for the Project are subject to inspection by the Owner, the Consultant or their representatives to determine conformance with the Contract Documents. The Owner, Consultant and their representatives shall at all times have access to the Work whenever it is in preparation or progress. The Construction Manager shall provide, at no additional cost to the Owner, any facilities necessary for sufficient and safe access to the Work to complete any inspections required. The Consultant shall be given timely notification in order to

arrange for the proper inspections to be performed on any Work outside of the normal working day or week. If the Consultant provides the Construction Manager with a list of construction milestones that require inspection, the Construction Manager shall provide the Consultant with at least five (5) Business Days written notice prior to the commencement of Work with respect to such milestone in order to permit the Consultant time to coordinate an inspection of the commencement of the applicable Work.

16.2.1 Normal Work hours are defined as a period between 7:00 a.m. and 5:00 p.m. Monday through Friday. The Construction Manager shall notify the Owner's Project Manager at least one working day prior to performance of any Work for permission to do any Work during non-normal Work hours.

16.3 If the Specifications, the Consultant's instructions, laws, ordinances, or any public authority require any Work to be specially inspected, tested or approved, the Construction Manager shall give the Consultant timely notice of the readiness of the Work for inspection. The Consultant shall promptly make all required inspections. If any portion of the Work should be covered contrary to the request of the Consultant, or to the requirements specifically expressed in the Contract Documents, the Work must be uncovered for inspection and observation and shall be uncovered and replaced at the Construction Manager's expense.

16.4 If any other portion of the Work has been covered, which the Consultant has not specifically requested to observe prior to being covered, the Consultant, with the Owner's approval, may request to see such Work and it shall be uncovered by the Construction Manager. If such Work is found to be in accordance with the Contract Documents, the cost of uncovering and replacement shall be charged to the Owner by appropriate Change Order. If such uncovered Work is not in accordance with the Contract Documents, the Construction Manager shall pay all costs for uncovering and replacement of such Work.

ARTICLE 17 - SUPERINTENDENT - SUPERVISION

17.1 The Construction Manager shall completely and thoroughly direct and superintend the Work in accordance with the highest standard of care for the Construction Manager's profession so as to ensure expeditious, workmanlike performance in accordance with requirements of the Contract Documents. Except as otherwise dictated by specific requirements of the Contract Documents, the Construction Manager shall be solely responsible for and have control over all construction means, methods, techniques, sequences and procedures. The Construction Manager shall be responsible for the acts and omissions of all Sub-contractors and persons directly or indirectly employed by the Construction Manager in the completion of the Work. The Construction Manager shall be responsible for coordinating and scheduling all portions of the Work unless the Contract Documents give other specific instructions. The Construction Manager shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by the activities of the Consultant in the administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Construction Manager.

17.2 The Construction Manager shall have a competent superintendent on the Project site at all times during the process of the Work. The superintendent shall have authority to act on the Construction Manager's behalf with regard to all aspects of performance of this Contract. The superintendent shall have such assistants with individual specialized competencies as may be necessary to fully understand and oversee all aspects of the Work. The Construction Manager shall also provide administrative, supervisory and coordinating personnel required to fully perform the Work and for interfacing the Work with other work of the Project. The superintendent and all assistants shall be physically fit for their work and capable of going to all locations where Work is being performed. A communication given to the superintendent shall be binding on the Construction

Manager. Immediately after the award of Contract, the Construction Manager shall submit to the Consultant a list of Construction Manager's employees and consultants, including names, positions held, addresses, telephone numbers and emergency contact numbers.

17.3 The superintendent assigned shall not be changed except under the following circumstances: (1) Where the superintendent ceases to be employed by the Construction Manager, in which case the Construction Manager shall give timely written notice to the Owner of the impending change of the superintendent and a reasonable explanation for the change; or (2) Where the Owner or the Consultant have reasonable grounds for dissatisfaction with the performance of the superintendent and give written notice to the Construction Manager of the grounds. In either case, the Construction Manager shall obtain prior written approval from the Owner of the qualifications of the proposed replacement superintendent. Such prior approval will not be unreasonably withheld.

17.4 If the Owner or Consultant determines that the superintendent is not performing, or is incompetent to perform the required Work, the Owner may direct the Construction Manager to remove the superintendent from the Project and replace the superintendent with an employee who has the necessary expertise and skills to satisfactorily perform the Work.

ARTICLE 18 - CHANGES IN THE WORK

18.1 The Owner, at any time after execution of the Contract, may make changes within the general scope of the Contract or issue additional instructions, require additional Work, or direct the deletion of Work. The Owner's right to make changes shall not invalidate the Contract or relieve the Construction Manager of any obligations under the Contract Documents. All such changes to the Work shall be authorized in writing by Change Order and shall be executed under the conditions of the Contract Document. Any adjustment of the Contract Amount or Time of Completion, as may be appropriate, shall be made only at the time of ordering such change. Change order proposals based on a reservation of rights, whether for additional compensation to be determined at a later date or for an extension of time to be determined at a later date, will not be considered for approval and shall be returned to the Construction Manager without action.

18.2 The cost or credit resulting from a change in Work shall be determined in one or more of the following ways:

18.2.1 By unit prices named in the Contract or additional unit prices subsequently agreed upon;

18.2.2 By agreement on a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

18.2.3 By an amount agreed upon by the Construction Manager and the Owner as a mutually acceptable fixed or percentage fee.

18.3 All lump sum proposals shall include a detailed cost breakdown satisfactory to the Consultant and to the Owner for each component of Work indicating both labor and material costs. This cost breakdown shall be submitted to the Consultant promptly and with a goal of seven (7) Calendar Days or less after receipt of the proposal request.

18.3.1 In computing labor costs, the hourly labor rates shall not exceed a mutually agreeable combined hourly labor rate plus fringe benefits negotiated with the Owner based on a presentation of acceptable documentation by the CM. For the purposes of this Article, the term "fringe benefits" shall mean those funds transferred irrevocably to a third party for payment/distribution. In addition,

there may be added by the Sub-contractor an amount agreed upon, but not to exceed ten percent (10%) of the actual cost, for overhead and profit.

18.3.2 The CM is entitled to a mark-up for bonds and insurance on all change orders. For change orders coded “End User Requested Changes” or “Other Owner Requested Changes” the CM may add overhead & profit in addition to the bonds and insurance referenced above. The mark-ups shall not exceed the combined percentage for overhead and profit, bonds, and insurance stated in the CM’s “Financial Proposal Summary”. These mark-ups will not be added to the individual change orders but will be reconciled by amendment at the completion of the project and/or on an annual basis for those projects exceeding 12 months in duration.

18.4 If none of the above methods are mutually agreed upon or if the Construction Manager does not respond promptly, a change may be made by unilateral determination by the Owner and/or the Consultant of reasonable costs or savings attributable to the change, including a reasonable allowance for overhead and profit. If this method is utilized, the Construction Manager shall promptly proceed with the Work involved in the change upon receipt of a written order signed by the Owner. In such case, the Construction Manager shall keep and present an itemized accounting of labor, equipment, material and other costs, in such form as may be prescribed by the Consultant.

18.5 In all cases where Change Orders are determined by unit prices set forth in the Contract Documents, no amount is to be added for additional overhead and profit.

18.6 The Construction Manager shall keep and present in such form as the Consultant may direct, a correct account of all items comprising the net cost of such Work, together with vouchers. The determination of the Consultant and/or the Owner shall be final upon all questions of the amount and cost of extra Work and changes in the Work, and it shall include in such cost, the cost to the Construction Manager of all materials used, the cost of all labor (including social security, old age and unemployment insurance, fringe benefits to which the employee is entitled, and Workers Compensation insurance), and the fair rental of all machinery used upon the extra Work, for the period of such use, which was upon the Work before or which shall be otherwise required by or used upon the Work before or after the extra Work is done. If the extra Work requires the use of machinery not already on the Project site, or to be otherwise used upon the Work, then the cost of transportation of such machinery to and from the Project site shall be added to the fair rental value. Transportation costs shall not be allowable for distances exceeding one hundred (100) miles.

18.7 The Construction Manager shall not include or allow to be included in the cost of change in the Work any cost or rental of small tools, or any portion of the time of the Construction Manager or the superintendent, or any allowance for the use of capital, or for the cost of insurance or bond premium or any actual or anticipated profit, or job or office overhead. These items are considered as being covered under the added amount for general overhead addressed in Article 18.3

18.8 The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

18.9 Pending final determination of value, partial payments on account of changes in the Work may be made on recommendation of the Consultant. All Change Orders shall be in full payment and final settlement of all claims for direct, indirect and consequential costs, including all items covered and affected. Any such claim not presented by the Construction Manager for inclusion in the Change Order shall be waived.

18.10 The Consultant may authorize minor changes in the Work which do not involve additional cost or extension of the Contract Time, and which are not inconsistent with the intent of the Contract

Documents. Such changes shall be made by an ASI issued by the Consultant, and shall be binding on the Owner and the Construction Manager. The Construction Manager shall carry out such orders promptly. If the Construction Manager should claim that an ASI involves additional cost or delay to the completion of the Work, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after receipt of the written ASI. If this notification does not occur, the Construction Manager shall be deemed to have waived any right to claim or adjustment to the contract sum or to the contract completion time.

18.10.1 If the Construction Manager claims that any instructions by the Consultant involve additional cost or time extension, the Construction Manager shall give the Consultant written notice thereof within ten (10) Calendar Days after the receipt of such instructions and before proceeding to execute the change in Work. The written notice shall state the date, circumstances, whether a time extension will be requested, and the source of the order that the Construction Manager regards as a Change Order. Unless the Construction Manager acts in accordance with this procedure, any oral order shall not be treated as a change and the Construction Manager hereby waives any claim for an increase of the Contract amount or extension of the contract time.

18.11 Requests for extension of time related to changes in the Work shall be submitted in accordance with the requirements of Article 21 of these General Conditions.

18.12 Prior to final payment, the Construction Manager shall provide to the Owner a full accounting of executed change orders by and between the Construction Manager and the Trade Contracts. The Construction Manager shall also provide a reconciliation of that accounting against the executed change orders by and between the Owner and the Construction Manager.

ARTICLE 19 - RULES AND MEASUREMENTS FOR EXCAVATION

19.1 If applicable, the following Rules and Measurements shall apply to the use of Unit Prices for the excavation portion of the Work:

19.1.1 Except as provided in this Article 19 for arbitrary measurements, the quantity of excavation shall be its in-place volume before removal.

19.1.2 No allowance will be made for excavating additional material of any nature taken out for the convenience of the Construction Manager beyond the quantity computed under these "Rules and Measurements."

19.1.3 The quantities of excavation shall be computed from instrument readings taken by the Consultant's representative in vertical cross sections located at such intervals that will assure accuracy.

19.1.4 "Trench Excavation" for pipes shall arbitrarily be assumed to be two feet (2') wider than the outside diameter of the pipe barrel and with sides vertical.

19.1.5 The quantities shall be computed from plan size, or if there are no drawings, from actual measurements of the Work in place.

19.1.6 Each unit price shall cover, among other things, engineering (surveying) costs and keeping excavating dry.

19.1.7 Earth excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surface of the ground to the neat lines of the bottom of the structure.

19.1.8 Rock excavation for structures will be measured between the vertical planes passing 18 inches beyond the outside of the footings and from the surfaces of the rock to the neat lines of the bottoms of the structures or the actual elevation of the rock ledge.

19.1.9 Rock excavation for pipelines trenches, unless otherwise provided for in the Specifications, shall be measured as follows: An arbitrary width of 18 inches plus the nominal diameter of the pipe multiplied by the depth from the surface the rock to six (6) inches below the invert for pipe 24 inches in diameter or less and eight (8) inches below the invert for all pipe greater than 24 inches in diameter. No additional compensation will be allowed for excavation for bell holes, gates or other purposes. The measurement of rock excavation for manholes shall be in accordance with Section 19.1.8 above.

19.1.10 Unclassified excavation shall be measured in the same manner as earth excavation.

ARTICLE 20 - CONCEALED CONDITIONS

20.1 The Contract Drawings show the approximate location of the existing and new utility lines. These lines have been identified and located as accurately as possible using available information. The Construction Manager is responsible for verifying all actual locations. If utilities require relocation or rerouting that is not shown or indicated to be relocated or rerouted, the Construction Manager shall contact and cooperate with the Consultant to make the required adjustments. Any request for change in the Contract Amount by the Construction Manager shall be made pursuant to Article 18 of the General Conditions.

20.2 If any charted or uncharted utility service is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the Construction Manager shall work continuously to restore service to the satisfaction of the Owner.

20.2.1 If any charted utility service, or any uncharted utility service the existence of which could have been discovered by careful examination and investigation of the site of the Work by the Construction Manager, is interrupted by activities of the Construction Manager or the Construction Manager's Sub-contractor(s) for any reason, the entire cost to restore service to the satisfaction of the Owner shall be paid by the Construction Manager. Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the work/repairs completed and the cost of such work/repairs deducted from the monies due or to become due to the Construction Manager pursuant to Article 22 of the General Conditions.

20.3 The Construction Manager shall promptly, but in no case more than ten (10) Calendar Days from the time of discovery, and before the conditions are disturbed, notify Consultant in writing of:

20.3.1 Subsurface or latent physical conditions or any condition encountered at the site which differ materially from those indicated in the Contract Documents and which were not known by Construction Manager or could not have been discovered by careful examination and investigation of the site of the proposed Work;

20.3.2 Unknown and unexpected physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered in the locale or generally recognized as inherent in the Work provided for in this Contract or,

20.3.3 Concealed or unknown conditions in an existing structure which are at variance with the conditions indicated by the Contract Documents, which are of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, and which were not known by the Construction Manager and could not have been discovered by careful examination and investigation of the site of the Work.

20.4 The Consultant shall promptly investigate the conditions discovered. If the Consultant finds that conditions, which are materially different from those ordinarily encountered and generally recognized as inherent in the Work provided for in this Contract, were not known by the Construction Manager, and could not have been discovered by careful examination and investigation of the site of the Work, have caused or would cause a material increase or decrease in the Construction Manager's cost of construction or the time required for performance of any part of the Work under this contract, the Consultant will recommend and the Owner will make an equitable adjustment in the Contract Amount and/or the time allotted for performance in the Contract Documents. Failure by the Construction Manager to provide written notice to the Owner of such claims for additional compensation or time for performance within ten (10) Calendar Days of discovery of such conditions shall constitute a waiver by the Construction Manager of the right to make such claims. The Owner will not pay claims made for lost opportunities, claims made for lost production or production inefficiencies or claims made that are formula based.

20.5 If the Consultant determines that changed conditions do not exist or are not materially different and no adjustment in the Contract Amount or time is warranted, the Construction Manager shall continue performance of the Contract as directed by the Consultant. No claim by the Construction Manager under this clause shall be allowed unless the required written notice is given and the Consultant is given adequate opportunity to investigate the conditions encountered prior to disturbance. The failure of the Construction Manager to give the Consultant proper notice of a differing site condition shall not affect the Owner's right to an equitable adjustment of the contract price or time if there is a decrease in the Contract Amount or time required to perform the Work.

ARTICLE 21 - DELAYS AND EXTENSION OF TIME

21.1 It is agreed that time is of essence for each and every portion of this Contract and where additional time is allowed for the completion of the Work or any part of the Work under this Contract, the new time limit fixed by such time extension shall be of the essence of this Contract. An extension of time shall not be cause for extra compensation under this Contract, except as set forth in Article 21.10 below.

21.2 The Construction Manager will, subject to the provisions of Articles 21.7, 21.8 and 21.9 below, be granted an extension of time and/or relief from liquidated damages when the delay in completion of the Work is due to:

21.2.1 Any preference, priority, or allocation order duly issued by the government;

21.2.2 Unforeseeable causes beyond the control and without the fault or negligence of the Construction Manager including, but not limited to, acts of God, or of the public enemy, acts of the Owner, acts of another contractor in the performance of a contract with the Owner, floods, epidemics, quarantine restrictions, strikes, and freight embargoes.

21.2.2.1 For such delays which stop all work on the Project for thirty (30) Calendar Days or more, the Construction Manager shall be authorized at its discretion to remove its people from the site and return when the normal progress of the work may continue.

21.2.3 Regardless of the cause of a delay, the Construction Manager shall expend all reasonable effort to mitigate the impact of any delay.

21.2.4 Requests for additional time due to delays in transportation or due to failures of suppliers shall not be considered for approval.

21.3 Requests for extensions of time and/or relief from liquidated damages, except for weather related claims, shall be made in writing not later than ten (10) Calendar Days after the beginning of the delay. Requests for extension of time or relief from liquidated damages shall be stated in numbers of whole Calendar Days.

21.4 Except as otherwise provided in the Contract Documents, extensions of the contractually required completion dates may be granted for unusually bad weather on the Project. Unusually bad weather as used herein means daily temperature or precipitation that exceeds the normal weather recorded and expected for the locality and/or the season or seasons of the year. For the purposes of this contract, it is mutually agreed that the following chart accurately defines the number of days in each month on which bad weather can reasonably be anticipated to impact weather dependent construction operations, and the Construction Manager shall anticipate this normal seasonal weather in the development of the Project baseline schedule.

Mean Number of Days When	Jan.	Feb	Mar	Apr.	May	Jun	Jul.	Aug	Sept.	Oct	Nov.	Dec.
Max Temp 32° or Below	9	6	1	0	0	0	0	0	0	0	1	5
Precip. Is 0.10 Inch or Greater	7	6	9	7	8	8	8	6	5	5	7	7

For the purpose of this Contract, “unusually bad weather” shall be interpreted as either 1) those days in a given month on which rainfall was 0.10 inch or more that exceed the number of days shown in the row for “Precip” or 2) those days in a given month on which maximum temperature was 32 degrees F or below that exceed the number of days shown in the row for “Max Temp”, whichever is greater.

21.4.1 Requests for extension of time due to unusually bad weather that could not reasonably have been anticipated at the time of execution of the Contract shall be made in writing not later than the tenth calendar day of the month following the month in which the delay occurred.

21.4.2 Requests for an extension of time due to unusually bad weather shall be considered for approval only if it is shown that a) the unusual weather event delayed work on a specific weather dependent activity or activities that had been planned to be underway on the date(s) on which the weather event occurred, as shown in the most recent update to the Project schedule that had been submitted to the Owner prior to the date of the event, and b) only if the delay to that activity or activities is shown to be the proximate cause of a corresponding delay to the contractually required completion dates for the Project shown in the most recent update to the Project schedule. The actual dates on which the delay(s) occurred must be stated and the specific activities that were directly impacted must be identified. In the event of concurrent delays, only those activities actually

impacting contractually required completion dates will be considered in evaluating the merit of a delay request. Time extensions will not be considered if such adjustments do not exceed the total or remaining “float” associated with the impacted activities at the time of delay as shown in the most recent update to the Project schedule, nor for concurrent delays not caused by the Owner.

21.4.3 In anticipation of the possibility of delay due to unusually bad weather, the Construction Manager shall identify those activities in the baseline schedules, and those activities subsequently added to updated schedules, that might reasonably be expected to be delayed by such weather.

21.4.4 Delays caused by unusually bad weather shall be incorporated in the Project schedule when the schedule is next updated by showing actual dates and/or percent complete for those activities that were impacted by the unusually bad weather as well as the effects of any effort to mitigate such delays. When claims are submitted for time extensions resulting from more than one occurrence of unusually bad weather during a month, the Project schedule shall be updated to reflect such separate events sequentially so that the impact of each subsequent occurrence is shown on an adjusted Project schedule that includes all prior claims for additional time.

21.5 In addition to the requirements of Article 21.7 and Article 21.8 below, any request for an extension of time for strikes or lockouts shall be supported by a written statement of facts concerning the strike including, but not limited to, the dates, the craft(s) affected, the reason for the strike, efforts to resolve the dispute, and efforts to minimize the impact of the strike on the Project.

21.6 Approval of time extensions for changes in the Work will depend upon the extent, if any, to which the changes cause delay in the completion of the various elements of construction. The Change Order granting the time extension may provide that the Contract Time will be extended only for those specific elements so delayed and that other Work will not be altered.

21.7 The Contract Time will only be adjusted for causes specified above. Extensions of time will only be approved if the Construction Manager provides justification supported by the Project schedule or other acceptable data that 1) such changes are, in fact, on the critical path and extend the contractually required completion dates, and 2) the Construction Manager has expended all reasonable effort to minimize the impact of such changes on the construction schedule. No additional extension of time will be granted subsequently for claims having the basis in previously approved extensions of time.

21.8 In support of requests for an extension of time not caused by unusual inclement weather, and concurrently with the submittal of any such request, the Construction Manager shall submit to the Consultant and the Owner a written impact analysis showing the influence of each such event on contractually required completion dates as shown in the updated Project schedule most recently submitted to the Owner prior to the event. The analysis shall include a partial network diagram showing a sequence of new or revised activities and/or durations that are proposed to be added to the existing schedule including related logic (a “fragnet”). This impact analysis and the fragnet shall include the new activities and/or activity revisions proposed to be added to the existing schedule and shall demonstrate the claimed impact on the critical path and the contractually required completion dates. The Construction Manager will not be granted an extension of time and/or relief from liquidated damages when the delay to completion of the work is attributable to, within the control of, or due to the fault, negligence, acts, or omissions of the Construction Manager and/or the Construction Manager’s contractors, subcontractors, suppliers, or their respective employees and agents. Time extensions will not be considered in the event such adjustments do not exceed the total or remaining “float” associated with the impacted activities at the time of delay, nor for concurrent delays not caused by the Owner. In the event of concurrent delays, only that event actually impacting contractually required completion dates will be considered in adjusting the schedule and evaluating the merit of a

delay claim. Requests for an extension of time which are not supported by this information shall not be considered for approval.

21.9 Approved extensions of time not caused by unusual inclement weather shall be incorporated in a revised schedule at the time of approval. No subsequent requests for time extension will be considered unless all previous approved time extensions have been incorporated in the Project schedule on which the requests are based.

21.10 Except as provided for in Article 21.10.1 through 21.10.3 below, no payment or compensation shall be made to the Construction Manager and extensions of the time fixed for completion of the Contract shall be the Construction Manager's sole remedy for any and all delays, hindrances, obstructions or impacts in the orderly progress of the Work.

21.10.1 In addition to the provisions of Articles 18.3 and 18.3.1 above, and subject to the requirements of Article 21.8 and 21.8.1 above, if the Owner orders changes to the scope of Work for the Project that extend the then current contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs associated with such delay.

21.10.2 If delays, hindrances, impacts or obstructions of the Construction Manager's performance of the Contract are in whole or in part within the control of the Owner and, subject to the requirements of Article 21.8 and 21.8.1, extend contractually required completion dates of the Project, the Construction Manager shall be entitled to reimbursement for job site, general conditions and staffing costs for that portion of the costs caused by acts or omissions of the Owner.

21.10.3 Such reimbursements shall not include consequential or similar damages, exemplary damages, damages based on unjust enrichment theory, formula based delay claims, or any element of home office overhead.

ARTICLE 22 - CORRECTION OF WORK BEFORE FINAL PAYMENT

22.1 The Construction Manager shall promptly remove from the site and replace any material and/or correct any Work found by the Consultant to be defective or that fails to conform to the requirements of the Contract, whether incorporated in the Work or not, and whether observed before or after Substantial or Final Completion. The Construction Manager shall bear all costs of removing, replacing or correcting such Work or material including the cost of additional professional services necessary, and the cost of repairing or replacing all Work of separate contractors damaged by such removal or replacement.

22.2 The Consultant will notify the Construction Manager and the Owner immediately upon its knowledge that additional services will be necessary. The Owner may consent to accept such nonconforming Work and materials with an appropriate adjustment in the Contract Amount. Otherwise, the Construction Manager shall promptly replace and re-execute the Work in accordance with the Contract Documents and without expense to the Owner and shall bear the expense of making good all work of other contractors destroyed or damaged by such removal or replacement. If the Construction Manager fails to commence and continue to correct non-conforming Work within a reasonable time as determined by the Consultant, the Owner may without limitation of other rights available to the Owner and without prejudice to other remedies, take any necessary action to make the necessary corrections. If the Owner makes required corrections for non conforming Work or materials, a Change Order will be issued reflecting an equitable deduction from the Contract Amount. This amount will be deducted from payments due to the Construction Manager or, if no additional

payments are due, Construction Manager or the Construction Manager's surety shall be responsible for payment of this amount.

ARTICLE 23 - CORRECTION OF WORK AFTER FINAL PAYMENT

23.1 Neither the final certificate of payment nor any provisions in the Contract Documents shall relieve the Construction Manager of responsibility for materials and equipment incorporated into the Work that fails to meet specification requirements, or for the use of faulty materials or poor quality workmanship. If within one year after the date of Substantial Completion of the Work or designated portion thereof, any of the Work is found to be defective or not in accordance with the requirements of the Contract Documents, the Construction Manager shall correct it promptly after receipt of written notice from the Owner to do so. The Construction Manager shall correct any defects due to these conditions and pay for any damage to other Work resulting from their use. Nothing contained in this clause shall be construed to establish a period of limitation with respect to any obligation of the Construction Manager under the Contract including, but not limited to, warranties. The obligation of the Construction Manager under this section shall be in addition to and not in limitation of any obligations imposed by special guarantees or warranties required by the Contract, given by the Construction Manager, or otherwise recognized or prescribed by law.

23.2 In addition to being responsible for correcting the Work and removing any non-conforming Work or materials from the job site, the Construction Manager shall bear all other costs of bringing the affected Work into compliance with the Contract requirements. This includes costs of any required additional testing and inspection services, Consultant's services, and any resulting damages to other property or to work of other contractors or of the Owner.

23.3 If the Construction Manager fails to correct nonconforming Work within a reasonable time as determined by the Consultant, the Owner may take necessary actions to make the necessary corrections. If the Owner makes required corrections for nonconforming Work or materials after Final Payment to the Construction Manager, the Owner shall be entitled to recover all amounts for such corrections, including costs and attorney's fees, from Construction Manager or surety.

ARTICLE 24 - TERMINATION OF CONTRACT FOR CONVENIENCE OF OWNER

24.1 The Owner, by written notice to the Construction Manager, may terminate this Contract in whole or in part when it is in the interest of the Owner, at the sole discretion of the Owner. In such case, the Construction Manager shall be paid for all Work in place and a reasonable allowance for profit and overhead on Work done, provided that such payments shall not exceed the total Contract price as reduced by the value of the Work as yet not completed. The Construction Manager shall not be entitled to profit and overhead on Work not performed.

ARTICLE 25- OWNER'S RIGHT TO STOP WORK

25.1 If the Construction Manager fails to correct defective Work as required, or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner by written notice may order the Construction Manager to stop the Work or any portion of the Work until the cause for the order has been eliminated to the satisfaction of the Owner. The Consultant may stop Work without written notice for 24 hours whenever in its professional opinion such action is necessary or advisable to insure conformity with the Contract Documents. The Construction Manager shall not be entitled to an adjustment in the Contract Time or Amount under this clause in the event such stoppages are determined to be the fault of the Construction Manager or its Sub-contractor(s). The right of the Owner or Consultant to stop Work shall not give rise to a duty on the part of the Owner or Consultant to exercise this right for the benefit of the Construction Manager or others.

ARTICLE 26 -TERMINATION OF CONTRACT FOR DEFAULT ACTION OF CONSTRUCTION MANAGER

26.1 In addition to its rights under Articles 24 and 25, the Owner may terminate the contract upon the occurrence of any one or more of the following events:

26.1.1 If the Construction Manager refuses or fails to prosecute the Work (or any separable part thereof) with such diligence as will insure its completion within the agreed upon time; or if the Construction Manager fails to complete the Work within such time;

26.1.2 If the Construction Manager is adjudged a bankrupt or insolvent, or makes a general assignment for the benefit of creditors, or if the Construction Manager or a third party files a petition to take advantage of any debtor's act or to reorganize under the bankruptcy or similar laws concerning the Construction Manager, or if a trustee or receiver is appointed for the Construction Manager or for any of the Construction Manager's property on account of the Construction Manager's insolvency, and the Construction Manager or its successor in interest does not provide adequate assurance of future performance in accordance with the Contract within ten (10) days of receipt of a request for assurance from the Owner;

26.1.3 If the Construction Manager repeatedly fails to supply sufficient qualified supervision of the work, or repeatedly fails to ensure that Sub-contractors supply adequate supervision, suitable materials or equipment, or adequate numbers of skilled workmen and supervision to the Work;

26.1.4 If the Construction Manager repeatedly fails to make prompt payments to Sub-contractors or suppliers at any tier, or for labor, materials or equipment;

26.1.5 If the Construction Manager disregards laws, ordinances, rules, codes, regulations, orders or similar requirements of any public entity having jurisdiction;

26.1.6 If the Construction Manager disregards the authority of the Consultant or the Owner;

26.1.7 If the Construction Manager performs Work which deviates from the Contract Documents, and neglects or refuses to correct rejected Work; or

26.1.8 If the Construction Manager otherwise violates in any material way any provisions or requirements of the Contract Documents.

26.2 Once the Owner determines that sufficient cause exists to justify the action, the Owner may terminate the Contract without prejudice to any other right or remedy the Owner may have, after giving the Construction Manager and its Surety three (3) Calendar Days notice by issuing a written Declaration of Default. The Owner shall have the sole discretion to permit the Construction Manager to remedy the cause for the contemplated termination without waiving the Owner's right to terminate the Contract.

26.3 In the event that the Contract is terminated, the Owner may demand that the Construction Manager's Surety take over and complete the Work on the Contract. The Owner may require that in so doing, the Construction Manager's Surety not utilize the Construction Manager in performing the Work. Upon the failure or refusal of the Construction Manager's Surety to take over and begin completion of the Work within twenty (20) Calendar Days after the demand, the Owner may take over the Work and prosecute it to completion as provided below.

26.3.1 In the event that the Contract is terminated and the Construction Manager's Surety fails or refuses to complete the Work, the Owner may take over the Work and prosecute it to completion in accordance with the laws of the Commonwealth, by contract or otherwise, and may exclude the Construction Manager from the site. The Owner may take possession of the Work and of all of the Construction Manager's tools, appliances, construction equipment, machinery, materials, and plant which may be on the site of the Work, and use the same to the full extent they could be used by the Construction Manager, without liability to the Construction Manager. At the Owner's sole discretion, the Owner has the right to take assignment of any or all portions of the contract work in order to prosecute the completion of the Work. In exercising the Owner's right to prosecute the completion of the Work, the Owner may also take possession of all materials and equipment stored at the site or for which the Owner has paid the Construction Manager but which are stored elsewhere, and finish the Work as the Owner deems expedient. In such case, the Construction Manager shall not be entitled to receive any further payment until the Work is finished.

26.3.2 If the unpaid balance of the Contract Price exceeds the direct and indirect costs and expenses of completing the Work including compensation for additional professional and Consultant services, such excess shall be used to pay the Construction Manager for the cost of the Work it performed and a reasonable allowance for overhead and profit. If such costs exceed the unpaid balance, the Construction Manager or the Construction Manager's Surety shall pay the difference to the Owner. In exercising the Owner's right to prosecute the completion of the Work, the Owner shall have the right to exercise its sole discretion as to the manner, methods, and reasonableness of the costs of completing the Work and the Owner shall not be required to obtain the lowest figure for Work performed in completing the Contract. In the event that the Owner takes bids for remedial Work or completion of the Project, the Construction Manager shall not be eligible for the award of such Contract.

26.3.3 The Construction Manager shall be liable for any damage to the Owner resulting from the termination or the Construction Manager's refusal or failure to complete the Work, and for all costs necessary for repair and completion of the Project above the amount of the Contract. The Construction Manager shall be liable for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

26.3.4 If liquidated damages are provided in the Contract and the Owner terminates the Contract, the Construction Manager shall be liable for such liquidated damages, as provided for in Article 29.2 and 29.3 below, until Substantial Completion and Final Completion of the Work are achieved.

26.3.5 In the event the Contract is terminated, the termination shall not affect any rights of the Owner against the Construction Manager. The rights and remedies of the Owner under this Article are in addition to any other rights and remedies provided by law or under this Contract. Any retention or payment of monies to the Construction Manager by the Owner will not release the Construction Manager from liability.

26.3.6 In the event the Contract is terminated under this Article, and it is determined for any reason that the Construction Manager was not in default under the provisions of this Article, the termination shall be deemed a Termination for Convenience of the Owner pursuant to Article 24 and the rights and obligations of the parties shall be determined in accordance with Article 24.

ARTICLE 27 - SUSPENSION OF WORK

27.1 The Owner or the Consultant may, at any time and without cause, order the Construction Manager in writing or cause the Construction Manager to suspend, delay or interrupt all or any part of the Work for such period of time as the Owner may determine to be appropriate for its convenience.

Adjustment may be made for any increase in the Contract time necessarily caused by such suspension or delay, in accordance with Article 21.

ARTICLE 28 - TIME OF COMPLETION

28.1 The Construction Manager shall begin the Work on the date of commencement as specified in the Work Order. All time limits stated in the Contract Documents are of the essence of the Contract. The actual end of the Contract Time shall be the date specified on the approved certificate of Substantial Completion. The time for completion set forth in the Contract is a binding part of the Contract upon which the Owner may rely in planning the use of the facilities to be constructed and for all other purposes.

28.2 Substantial Completion is defined in Article 1.1.17 of these General Conditions. Only incidental corrective Work under punch lists and final cleaning (if required) for Owner's full use shall remain for Final Completion. The ability to occupy or utilize shall include regulatory authority approval unless regulatory approval is delayed due to actions of the Owner or the Consultant. When the Owner accepts and occupies a portion of the Project, the operation, maintenance, utilities, and insurance of that portion of the Project becomes the responsibility of the Owner.

28.3 The date of Substantial Completion shall be that date certified by the Owner, in accordance with the following procedures, that the Work is sufficiently complete to occupy or utilize as defined above.

28.3.1 When the Construction Manager considers the entire Work is substantially complete as defined in Article 1.1.17 of these General Conditions, and is ready for its intended use, the Construction Manager shall notify the Consultant in writing and request an inspection. The declaration and request shall be accompanied by a list prepared by the Construction Manager of those items of Work still to be completed or corrected. The failure of the Construction Manager or Consultant to include any item or items which are not completed or which need correction on such list shall not alter the responsibility of the Construction Manager to complete all Work in accordance with the Contract Documents.

28.3.2 The Consultant shall, within a reasonable time after receipt of notification from the Construction Manager of a declaration of Substantial Completion and request for inspection, make such inspection. Prior to the Substantial Completion Inspection and within sufficient time to allow the Consultant's review, the Construction Manager shall submit all As-Built drawings, Notice of Termination, catalog data, complete operating and maintenance instructions, manufacturer specifications, certificates, warranties, written guarantees and related documents required by the contract. The Consultant shall review said documents for accuracy and compliance with the Contract Documents and incorporate them into complete operating instructions and deliver them to the Owner.

28.3.3 If the Consultant considers the Work substantially complete, the Consultant shall recommend that the Owner prepare a Certificate of Substantial Completion which shall establish the date of Substantial Completion and the responsibilities between the Owner and Construction Manager for security, maintenance, heat, utilities and insurance, if not otherwise provided for in the Contract Documents, and a tentative list of items to be completed or corrected, and shall fix the time within which the Construction Manager shall complete the items listed therein. This time shall not exceed thirty (30) Calendar Days unless otherwise provided for in the Work Order. The Certificate of Substantial Completion shall be submitted to the Consultant and Construction Manager for their written acceptance of the responsibilities assigned to them in the certificate. The Project shall not be deemed substantially complete until the certificate is issued. If, after making the inspection, the

Consultant does not consider the Work substantially complete, the Consultant will notify the Owner and the Construction Manager in writing

28.4 Operation and Maintenance Manual Deliverables. In anticipation and preparation of completion of the Work and the closing out of the Project, and to facilitate training of the Owner's personnel in the maintenance and operation of the new installations, the Construction Manager shall comply with the requirements of Article 8.7 of the Special Conditions. (For the purposes of this article, air test and balance reports may be submitted at a later date with the request for certification of substantial completion.) These manuals shall be submitted to the Consultant for approval, and subsequently forwarded to the Owner's Project Manager by or before the time construction is 75% complete, as reflected by the Contractor's most recently submitted Application for Payment.

28.4.1 The provisions of Article 30.11 notwithstanding, if the Construction Manager meets the requirements of Article 28.4 above with respect to timely submittal of approvable Operation and Maintenance manuals and provided the project construction is 1) at least 75% complete and 2) is equal to or ahead of the approved progress schedule and 3) the Work completed is in compliance with the requirements of the contract documents, the Owner, at the sole discretion of the Director, Capital Projects Management Division may reduce the retainage to not less than three percent (5%) of the current Contract Amount. In the event the Construction Manager fails to submit acceptable O&M manuals prior to reaching 75% completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

28.5 Project Close Out. When the Construction Manager considers that all Work required by the Contract is 100% complete, including correction of any remaining punch list work or deficiencies, the Construction Manager shall notify the Consultant in writing and request a final inspection. The Consultant, upon receipt of written notice from the Construction Manager that the Work is complete and is ready for final inspection and acceptance, will promptly make such inspection and if the Consultant finds the Work completed and acceptable under the Contract Documents and the Contract fully performed, the Consultant will notify the Construction Manager in writing to submit, and will certify to the Owner a final Certificate for Payment in accordance with Articles 30.9 and 30.9.1 of these General Conditions. If the Construction Manager does not complete the punch items within the time designated, the Owner retains the right to have these items corrected at the expense of the Construction Manager including all architectural, engineering and inspection costs and expenses incurred by the Consultant and the Owner, and to deduct such costs and expenses from the funds being held in retainage. The Owner shall not be required to release the retainage until such items have been completed.

ARTICLE 29 - LIQUIDATED DAMAGES

29.1 The Owner and the Construction Manager recognize and agree that time is of the essence of this Contract and that the Owner will suffer financial loss if the Work is not completed within the time specified in the Contract plus any extensions that may be allowed. The parties further recognize the delays, expense and difficulties involved in proving the actual loss suffered by the Owner should the Work not be completed on time. The Owner and the Construction Manager agree on the amounts stated as liquidated damages in the Agreement. The Owner and Construction Manager agree that the amount stated as liquidated damages are not intended to be penalties.

29.2 Should the Construction Manager fail to satisfactorily complete the Work under Contract on or before the date stipulated for Substantial Completion, as adjusted by approved Change Orders, if any, the Construction Manager will be required to pay liquidated damages to the Owner for each

consecutive Calendar Day that the Owner is deprived of full use of the area beyond the date specified unless otherwise stipulated elsewhere by Owner. After the date for Substantial Completion has been certified by the Owner, the Construction Manager shall cease to owe liquidated damages until the date established for Final Completion.

29.3 If Final Completion is not achieved by the date established for Final Completion, as adjusted by approved Change Orders, if any, liquidated damages in the amount stipulated in the Agreement will become due and collectable. The Contract will be considered complete and Final Completion shall be deemed to have occurred when all Work has been completed in compliance with the Contract Documents and the Certificate of Final Completion has been issued by the Owner. No deduction or payment of liquidated damages will, in any degree, release the Construction Manager from further obligations and liabilities to complete the entire Contract. Permitting the Construction Manager to continue and finish the Work, or any part of it, after expiration of the Contract Time, shall in no way constitute a waiver on the part of the Owner of any liquidated damages due under the Contract.

ARTICLE 30 - PAYMENT TO THE CONSTRUCTION MANAGER

30.1 Payments on account of this Contract shall be made monthly as Work progresses. The Construction Manager shall submit to the Consultant, in the manner and form prescribed, an application for each payment, and, if required, receipts or other vouchers showing payments made for materials and labor, including payments to Sub-contractors. All payments shall be subject to any withholding or retainage provisions of this contract. All pay request documents, except the final payment, shall be submitted in whole dollar amounts. All payment applications from the Construction Manager shall include line items for overhead, profit and general condition costs.

30.2 The Consultant shall, within ten (10) Business Days after receipt of each application for payment, certify approval of payment in writing to the Owner and present the application to the Owner, or return the application to the Construction Manager indicating in writing its reasons for refusing to approve payment. The Owner, provided no exception is taken to the application for payment submitted by the Consultant, will issue payment on or within thirty (30) Business Days from the date received from the Consultant. A reasonable delay on the part of the Owner in making payment to the Construction Manager for any given payment shall not be grounds for breach of Contract. The Consultant may refuse to approve the whole or any part of any payment if it would be incorrect to make such presentation to the Owner.

30.3 If payment is requested on the basis of materials and equipment not incorporated in the Work, but delivered and suitably stored at an off jobsite location agreed to in writing by the Owner that meets the manufacturer's requirements for the stored material and not-comingled with other material, the Construction Manager must furnish the following:

30.3.1 A list of the materials consigned to the Project (which shall be clearly identified), giving the place of storage, together with copies of invoices.

30.3.2 Certification that all items have been tagged for delivery to the Project and that they will not be used for any other purpose.

30.3.3 A letter from the Surety indicating that the Surety agrees to the arrangements and that payment to the Construction Manager shall not relieve either the Construction Manager or its Surety of their responsibility to complete the Work.

30.3.4 Evidence of adequate insurance listing the Owner as an additional insured covering the material in storage.

30.3.5 Evidence that representatives of the Consultant have visited the Construction Manager's place of storage and checked all items listed on the Construction Manager's certificate. They shall certify, insofar as possible, that the items are in agreement with the Specifications and approve their incorporation into the Project.

30.4 The Owner will pay 80% of the invoiced value less retainage for materials stored off site providing the above conditions are met.

30.5 The Construction Manager's signature on each subsequent application for payment shall certify that all previous progress payments received on account of the Work have been applied to discharge in full all of the Construction Manager's obligations reflected in prior applications for payment.

30.6 Each payment made to the Construction Manager shall be on account of the total amount payable to the Construction Manager and the Construction Manager warrants and guarantees that the title to all materials, equipment and Work covered by the paid partial payment shall become the sole property of Owner free and clear of all encumbrances. Nothing in this Article shall be construed as relieving Construction Manager from the sole responsibility for care and protection of materials, equipment and Work upon which payments have been made or restoration of any damaged Work or as a waiver of the right of Owner to require fulfillment of all terms of the Contract Documents.

30.7 Within thirty (30) Calendar Days of the award of any Trade Contracts, and prior to submitting the next application for payment, the Construction Manager shall submit to the Consultant and the Owner for approval a detailed breakdown of the Contract Amount including all trade contracts that have been awarded as of the date of that application for payment pursuant to CSI specification divisions, divided so as to facilitate payment and correlated to the schedule required by General Conditions Article 32 of the Contract Documents. The total value of all activities shall add up to the Contract Amount. When approved by the Consultant and the Owner, this schedule shall be used as a basis for Construction Manager's applications for payment and may be used by the Owner to determine costs or credits resulting from changes in the Work. Failure to obtain the approval of the Schedules of Values shall be a basis for withholding payment to the Construction Manager.

30.8 Retainage – The Owner will retain ten percent (10%) of the Construction Manager's progress payments, including amounts claimed for construction management fee until fifty one percent (51%) of the construction project has been completed. Thereafter, if the Work is fully in compliance with the requirements of the Contract and except as provided for in Article 28.4.1 above, the Owner shall retain five percent (5%) of the total contract amount until Substantial Completion and acceptance of all Work covered by this Contract, as collateral security to insure successful completion of the Work. For the purposes of this Article, the term "in full compliance" shall mean 1) that the progress of the Work is equal to or ahead of that predicted by the Project Baseline schedule and 2) the Work completed is in compliance with the requirements of the contract documents. Subsequent to the issuance of the Substantial Completion Certificate and depending upon the cost involved for the completion and/or correction of punch list items, the Consultant may recommend to the Owner an adjustment to the amount being held as retainage and, if approved by Owner, the amount of retainage may then be reduced and a sufficient sum retained by Owner to assure completion of the remaining unfinished Work. Retainage reduction as provided for in this Article 30.8 is contingent upon the Construction Manager and/or Sub-contractors being on or ahead of the approved progress schedule and on verification by the Consultant that the Work completed is in compliance with the requirements of the contract documents.

30.8.1 In addition to the retainage set forth above, the Owner may withhold from any monthly progress payments or nullify any progress payments in whole or in part as necessary to protect the Owner from loss on account of:

30.8.1.1 Defective Work which has not been remedied or completed Work which has been damaged requiring correction or replacement, or

30.8.1.2 Action required by the Owner to correct Defective Work or complete Work which the Construction Manager has failed or refused to correct or complete, or

30.8.1.3 Failure of the Construction Manager to perform any of its obligations under the Contract, or

30.8.1.4 Failure of the Construction Manager to make payment properly to Sub-contractors; suppliers of material, services or labor; or to reimburse the University for utilities or other services as provided for in the Contract;

30.8.1.5 Amounts to be withheld as liquidated damages for failure to complete the Project in the allotted Contract time.

30.8.2 When the Owner is satisfied that the Construction Manager has remedied any such deficiency, payments shall be made of the amount being withheld on the next scheduled application for payment.

30.9 Final Payment – When all Work is completed and acceptable and the Contract is fully performed, the Construction Manager will be directed to submit a final payment application for certification and the entire balance shall be due and payable upon a certification of completion by the Consultant that the Work is in accordance with the Contract Documents. Final change order reconciliation as per Article 18.12 must be provided prior to final payment.

30.9.1 Upon issuance of the Certificate of Final Completion by the Owner and submittal by the Construction Manager of all required documents and releases, all retained amounts shall be paid to the Construction Manager as part of the Final Payment. By accepting such payment, the Construction Manager certifies that all amounts due or that may become due to any Sub-contractor, any Consultant of the Construction Manager, or any vendors or material suppliers, have been paid or will be paid from the proceeds of the final payment; and that, further, there are not liens, claims or disputes involving the Owner or the Consultant that are outstanding or unresolved.

30.10 The Construction Manager shall promptly pay each Sub-contractor and material supplier upon receipt of payment from the Owner the amount to which said Sub-contractor and supplier is entitled, reflecting the percentage actually retained from payments to the Construction Manager on account of such Sub-contractor's work. The Construction Manager shall, by an appropriate Agreement with each Sub-contractor and material supplier, require each Sub-contractor and supplier to make payments to their sub-contractors, vendors and suppliers in similar manner.

The Consultant may, on request, furnish to any Sub-contractor or material supplier information regarding the percentages of completion applied for by the Construction Manager and the action thereon by the Consultant.

30.10.2 Neither the Owner nor the Consultant shall have any obligation to make payment to any Sub-contractor or material supplier except as may otherwise be required by law.

ARTICLE 31 - AUDITS

31.1 The Construction Manager's Trade Contractors', sub-contractors' and/or vendor's "records" shall upon reasonable notice be open to inspection and subject to audit and/or reproduction during normal business working hours as may be deemed necessary by the Owner at its sole discretion. Such audits may be performed by an Owner's representative or an outside representative engaged by the Owner. The Owner or its designee may conduct such audits or inspections throughout the term of this contract and for a period of three years after final payment, or longer if required by law. Owner's representative may (without limitation) conduct verifications such as counting employees at the Construction Site, witnessing the distribution of payroll, verifying information and amounts through interviews and written confirmations with Construction Manager's employees, field and agency labor, Trade Contractors and vendors.

31.2 "Records" as referred to in this Contract shall include any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, superintendents' reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in the Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by any Contract Document. Such records shall include hard copy, as well as computer readable data if it can be made available, written policies and procedures; time sheets; payroll registers; cancelled payroll checks; subcontract files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); original estimates; estimating work sheets; correspondence; change order files (including documentation covering negotiated settlements); back charge logs and supporting documentation; invoices and related payment documentation; general ledger; records detailing cash and trade discounts earned; insurance rebates and dividends; and any other Construction Manager or contractor records which may have a bearing on matters of interest to the Owner in connection with the Construction Manager's dealings with the Owner (all foregoing hereinafter referred to as the "records") to the extent necessary to adequately permit evaluation and verification of any or all of the following:

- Compliance with Contract requirements for deliverables;
- Compliance with approved plans and specifications;
- Compliance with Owner's business ethics expectations;
- Compliance with Contract provisions regarding the pricing of change orders;
- Accuracy of Construction Manager representations regarding pricing of invoices; and
- Accuracy of Construction Manager representations related to claims submitted by the Construction Manager or its payees.

31.3 The Construction Manager shall require all payees (examples of payees include Trade Contractors, Sub-contractors, vendors, and/or material suppliers) to comply with the provisions of this Article by including the requirements hereof in a written contract agreement between the Construction Manager and payees. Such requirements to include flow-down right of audit provisions in contracts with payees will also apply to Subcontractors and Sub-subcontractors, material suppliers, etc. The Construction Manager will cooperate fully and will cause all related parties and all of the Construction Manager's Trade Contractors and/or subcontractors (including those entering into lump sum subcontracts) to cooperate fully in furnishing or in making available to Owner from time to time whenever requested, in an expeditious manner, any and all such information, materials and data.

31.4 Owner's authorized representative or designee shall have reasonable access to the Construction Manager's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to the performance of this contract and shall provide adequate and appropriate work space in order to conduct audits in compliance with this Article. The Construction Manager and its payees agree bear their costs and expenses relating to any inspections and audits.

31.5 If an audit inspection or examination in accordance with this Article discovers any fraud or misrepresentation, or discloses overpricing or overcharges (of any nature) by the Construction Manager to the Owner, in addition to making adjustments for the overcharges, the reasonable actual cost of the Owner's audit shall be reimbursed to the Owner by the Construction Manager. Any adjustments and/or payments that must be made as a result of any such audit or inspection of the Construction Manager's invoices and/or records shall be made within Ninety (90) Calendar Days from presentation of the Owner's findings to the Construction Manager.

31.6 The provisions of Articles 31.1, 31.2 and 31.5 notwithstanding, the Owner shall have the right to conduct inspections and audits of any matter relating to the Contract Documents or the Work, which shall be for the Owner's sole benefit and shall not relieve the Construction manager, its sureties, contractors, subcontractors suppliers and their respective employees and agents of any obligations under the Contract Documents.

31.7 Any audits or inspections under Article 31 shall not constitute a waiver of any right the Owner has to accounting or discovery of records in the possession, custody or control of the Construction Manager, its sureties, contractors, subcontractors, vendors and their respective employees and agents

ARTICLE 32 - PROGRESS & SCHEDULING

32.1 If requested by the Owner during the Design Phase of the Project, and working in cooperation with the Owner and the Consultant(s), the Construction Manager shall prepare a Critical Path Method (CPM) type Design Phase schedule incorporating design phase and review activities through completion of the design and bidding of the Trade Contracts, shall include in this Design Phase schedule the broad categories of Work to be accomplished in the subsequent implementation of the design and construction of the Project, and shall modify and update this Design Phase schedule as necessary to reflect the actual status and then current plan for the Project.

32.2 The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. If approved by the University, and at the sole discretion of the University, schedules submitted using earlier versions of Primavera scheduling software (Primavera SureTrak or Primavera P3) may be converted to Primavera P6 format by the University for review purposes. However, the University will not be responsible for any inaccuracies that may result from such conversions.

32.2.1 Prior to bidding Trade Contracts, the Construction Manager shall prepare and submit to the Owner and the Consultant a preliminary CPM construction schedule for the Work that will be included in the Project bidding documents.

3.2.2.2 The schedules submitted for this Project shall coordinate Work in accordance with all schedules included in the Owner's approved Program. Construction work shall be scheduled and executed such that operations of the University are given first priority. This applies particularly to outages and restriction of access.

32.2.3 The schedules submitted for this Project shall not exceed time limits established for the Project. Schedules which reflect a duration less than the Contract Time are for the convenience of the Construction Manager and shall not be the basis of any claim for delay or extension of time.

32.2.4 Schedules shall be revised at appropriate intervals as required by the condition of the Work and the Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

32.2.5 The Construction Manager shall also submit a payment schedule indicating the percentage of the Contract Amount and the amount of the anticipated monthly payments that will be requested as the Project proceeds.

32.2.6 The Owner may withhold approval of all or a portion of progress payments until the progress payment schedule and construction schedule have been submitted by the Construction Manager.

32.3 The Construction Manager shall prepare and keep current, for the Consultant's approval, a separate schedule of submittals coordinated with the Construction Manager's CPM construction schedule that provides reasonable time for the Consultant to review the submittals.

32.4 The Construction Manager shall cause the work to be performed pursuant to the most recent schedules.

ARTICLE 33 - USE OF COMPLETED PORTIONS

33.1 Upon mutual Agreement between the Owner, Construction Manager, and Consultant, the Owner may use a completed portion of the Project after an inspection is made. Such possession and use shall not be deemed as acceptance of any Work not completed in accordance with the Contract Documents, nor shall such possession and use be considered to alter warranty obligations or cause any warranty period to commence prior to Substantial Completion.

ARTICLE 34 - INDEMNIFICATION

34.1 To the fullest extent permitted by law, the Construction Manager shall indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from and against all claims, damages, losses and expenses, including attorney's fees, provided that any such claim, loss, damage or expense: (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of the Construction Manager, any Sub-contractor or material supplier, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. This basic obligation to indemnify shall not be construed to nullify or reduce other indemnification rights which the Owner, its consultants, and their respective employees and agents would otherwise have.

34.2 The Construction Manager shall also indemnify and hold harmless the Owner, its consultants, and their respective employees and agents from any claims relating to the Project brought against the Owner, its consultants, and their respective employees and agents by any Sub-contractor unless such claims are due to the gross negligence or misconduct of the Owner or Consultant.

34.3 In any and all claims against the Owner its consultants, and their respective employees and agents, by any employee of the Construction Manager, any Sub-contractor, any one directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Article shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Construction Manager or any Sub-contractor under Worker's Compensation acts, disability benefit acts or other employee benefit acts.

34.4 The obligations of the Construction Manager under this Article shall not extend to the liability of the Consultant, his agents or employees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications, or (2) the

giving of or the failure to give directions or instructions by the Consultant, his agents or employees, provided such giving or failure to give is the primary cause of injury or damage.

ARTICLE 35 - INSURANCE

35.1 The Construction Manager shall furnish the Owner the Certificates of Insurance or other acceptable evidence that insurance is effective, and guarantee the maintenance of such coverage during the term of the Contract. Each policy of insurance, except Workers Compensation, shall name the University of Kentucky and the directors, officers, trustees and employees of the University as additional insured on a primary and non-contributory basis as their interest appears. Waiver of subrogation in favor of the University of Kentucky shall apply to all policies. Any endorsements required to validate such waiver of subrogation shall be obtained by the Construction Manager at the Construction Manager's expense.

35.2 The Construction Manager shall not commence, nor allow any Sub-contractor to commence Work under this Contract, until the Owner has reviewed the certificates and approved coverages and limits as satisfying the requirements of the bidding process.

35.3 Workers' Compensation and Employers' Liability Insurance. The Construction Manager shall acquire and maintain Workers' Compensation insurance with Kentucky's statutory limits and Employers' Liability insurance as defined in the Special Conditions for all employees who will be working at the Project site. In the event any Work is sublet, the Construction Manager shall require any Sub-contractor to provide proof of this insurance for the Sub-contractors' employees, unless such employees are covered by insurance provided by the Construction Manager.

35.4. The Construction Manager shall either require each Sub-contractor to procure and maintain insurance of the type and limits stated during the terms of the Contract, or insure the activities of such Sub-contractors under a blanket form as described below:

35.4.1 Commercial General Liability Insurance. The Construction Manager shall acquire and maintain a Broad Form Comprehensive General Liability (CGL) Insurance Policy including premises - operations, products/completed operations, blanket contractual, broad form property damage, real property fire legal liability and personal injury liability coverage. The Insurance Policy must be on an "occurrence" form only, unless approved by the Owner. Contractual liability must be endorsed to include defense costs. Products and completed operations insurance must be carried for two years following completion of the Work. Policies which contain Absolute Pollution Exclusion endorsements are not acceptable. Coverage must include pollution from "hostile fires". Where required by the risks involved, Explosion, Collapse and Underground (XCU) coverages shall be added by endorsement. If the work involved requires the use of helicopters, a separate aviation liability policy as defined in the Special Conditions will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits as defined in the Special Conditions will be required.

35.4.1.1 The limits of liability shall not be less than defined in the Special Conditions.

35.4.2 Comprehensive Automobile Liability Insurance. The Construction Manager shall show proof and guarantee the maintenance of insurance to cover all owned, hired, leased or non-owned vehicles used on the Project. Coverage shall be for all vehicles including off the road tractors, cranes and rigging equipment and include pollution liability from vehicle upset or overturn. Policy limits shall not be less than defined in the Special Conditions.

35.4.3 **Excess or Umbrella Liability Insurance.** The Construction Manager shall acquire and maintain a policy of excess liability insurance in an umbrella form for excess coverages over the required primary policies of broad form commercial general liability insurance, business automobile liability insurance and employers' liability insurance. This policy shall have a minimum as defined in the Special Conditions for each occurrence in excess of the applicable limits in the primary policies. The excess liability policy shall not contain an absolute pollution exclusion and shall include coverages for pollution that may occur due to hostile fires and vehicle upset and overturn. The limits shall be increased as appropriate to cover any anticipated special exposures.

35.5 **Builders Risk Insurance.** The Construction Manager shall purchase and maintain an "all risk" Builder's Risk Insurance policy upon the Work at the site to the full insurable value thereof. Such insurance shall include interests of the Owner, Construction Manager, and all Sub-contractors and of their subcontractors. It shall insure against perils of fire, extended coverage, vandalism and malicious mischief. Construction Manager's work performed, and materials to be incorporated into the project and stored on the jobsite, will be covered. Builder's Risk does not include temporary buildings, or Construction Manager or Construction Manager's tools, equipment, or trailers and contents.

35.6 **Insurance Agent and Company Insurance** as required in the bidding process of the Project shall be written according to applicable state law in Kentucky. The policies shall be written by an insurer duly authorized to do business in Kentucky in compliance with KRS: 304.1-.100 and -110.

ARTICLE 36 - PERFORMANCE AND PAYMENT BONDS

36.1 The Construction Manager shall furnish a Performance Bond in the form provided in the Contract Documents in the full amount of the Contract Amount as security for the faithful performance of the Contract. The Construction Manager shall also furnish a Payment Bond in the form provided in the Contract Documents in the full amount of the Contract Amount for the protection of all persons performing labor or furnishing materials, equipment or supplies for the Construction Manager or its Sub-contractors for the performance of the Work provided for in the Contract, including security for payment of all unemployment contributions which become due and payable under Kentucky Unemployment Insurance Law.

36.2 Each bond furnished by the Construction manager shall incorporate by reference the terms of the Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Amount is adjusted by Change Order, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amounts.

36.3 The performance and payment bonds shall be executed by a surety company authorized to do business in the Commonwealth of Kentucky, and the contract instrument of bonds must be countersigned by a duly appointed and licensed resident agent.

ARTICLE 37 - DAMAGED FACILITIES

37.1 The Construction Manager shall repair or replace, at no expense to the Owner, any damaged section of existing buildings, paving, landscaping, streets, drives, utilities, watersheds, etc. caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors or by material suppliers. Such repair or replacement shall be performed by craftsmen skilled and experienced in the trade or craft for the original Work.

37.2 Water damage to the interior of any building caused by Work performed under the Contract or incidental thereto, whether by the Construction Manager's own forces, Sub-contractors, or by material suppliers, and whether occurring in a new or existing building, shall be repaired by the

Construction Manager at the Construction Manager's expense, and any materials damaged inside the building, including personal property, shall be repaired or replaced at the full replacement cost by the Construction Manager at the Construction Manager's expense.

37.3 For existing buildings, the Construction Manager, along with the Owner's Representative and Consultant, will tour the Project site to evaluate existing conditions and determine any existing damage before any Work on this Contract is done.

37.4 Should the Construction Manager fail to proceed with appropriate repairs in an expedient manner, the Owner reserves the right to have the Work/repairs completed and deduct the cost of such Work/repairs from amounts due or to become due to the Construction Manager. If the Owner deems it not expedient to repair the damaged Work, or if repairs are not done in accordance with the Contract, an equitable deduction from the Contract price shall be made.

ARTICLE 38 - CLAIMS & DISPUTE RESOLUTION

38.1 All Construction Manager's claims and disputes shall be referred to the Consultant for review and recommendation. All claims shall be made in writing to the Consultant and to the Owner's Project Manager not more than ten (10) days from the occurrence of the event which gives rise to the claim or dispute, or not more than ten (10) days from the date that the Construction Manager knew or should have known of the claim or dispute. Unless the claim is made in accordance with these requirements, it shall be waived. Any claim not submitted before Final Payment shall be waived. The Consultant shall render a written decision within fifteen (15) days following receipt of a written demand for the resolution of a claim or dispute.

38.1.1 The provisions of Article 43.2 notwithstanding, claims and disputes between the Construction Manager and any Sub-contractor or supplier shall not be referred to the Consultant except to request interpretation and/or clarification of the intent of the plans or specifications. Such claims and disputes between the Construction Manager and any Sub-contractor shall be resolved between those parties as required by Article 43.4 of these General Conditions.

38.2 The Consultant's decision shall be final and binding on the Construction Manager unless the Construction Manager submits to the Consultant and the Owner's Project Manager a written notice of appeal within fifteen (15) Calendar Days of the Consultant's decision. The Construction Manager must present within fifteen (15) Calendar Days of such notice to appeal a narrative claim in writing with complete supporting documentation. After receiving the written claim, the Project Manager will review the materials relating to the claim and may meet with the Consultant and/or the Construction Manager to discuss the merits of the claim. The Project Manager will render a decision within thirty (30) Calendar Days after receiving the written claim and supporting documentation. The decision of the Project Manager shall be final and binding pending further appeal as provided for in Article 39. If the Consultant or the Project Manager do not issue a written decision within thirty (30) calendar days after receiving the claim and supporting documentation, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

38.3 If the Project Manager does not agree with the Consultant's decision on a claim by the Construction Manager, the Project Manager shall notify the Construction Manager and the Consultant and direct the Construction Manager to perform the Work about which the claim was made and the Construction Manager shall proceed with such Work in accordance with the Project Manager's instruction. If the Construction Manager disagrees with a decision of the Project Manager concerning a Construction Manager's claim, the Construction Manager shall proceed with the Work as indicated by the Project Manager's decision.

38.4 The Construction Manager shall continue to diligently pursue Work under the Contract pending resolution of any dispute, and the Owner shall continue to pay for undisputed work in place.

ARTICLE 39 - CLAIMS FOR DAMAGE

39.1 Should either party to the Contract suffer damage because of wrongful act or neglect of the other party, or of anyone employed by them, or others for whose act they are legally liable, or if other controversy should arise under the Contract, such claim or controversy shall be made in writing to the other party within thirty (30) days after the first occurrence of the event. Prior to the institution of any action in court, the claim or controversy (together with supporting data) shall be presented in writing to the Director of the Capital Project Management Division at the University of Kentucky ("Director") or his designee. The Director, or designee, is authorized, subject to any limitations or conditions imposed by regulations, to settle, comprise, pay, or otherwise adjust the claim or controversy with the Construction Manager. The Director, or designee, shall promptly issue a decision in writing. A copy of the decision shall be mailed or otherwise furnished to the Construction Manager. The decision rendered shall be final and conclusive unless the Construction Manager files suit pursuant to KRS 45A.245. If the Director, or designee, does not issue a written decision within one hundred and twenty (120) days after written request for a final decision, or within a longer period as may be established by the parties to the Contract in writing, then the Construction Manager may proceed as if an adverse decision had been received.

39.2 Any legal action on the Contract shall be brought in the Franklin Circuit Court and shall be tried by the Court sitting without a jury. All defenses in law or equity, except the defense of government immunity, shall be preserved to the Owner. The Owner shall recover from the Construction Manager all attorney's fees, costs and expenses incurred to the extent the Owner prevails in defending or prosecuting each claim in litigation of disputes under the Contract. The Owner is the prevailing party under this provision and is entitled to recover attorneys' fees, costs and expenses on a claim-by-claim basis to the extent the Owner successfully defeats or prosecutes each claim. A recovery of a net judgment by the Construction Manager shall not be determinative of the Owner's right to recover attorneys' fees, expenses and costs. Rather, such a determination shall be made based on the extent that the Owner successfully defends or prosecutes each distinct claim in litigation under the Contract, even if the Owner does not prevail on every claim. The Construction Manager shall be liable to the Owner for all attorney's fees, costs and expenses incurred by the Owner to enforce the provisions of the Contract.

ARTICLE 40 - LIENS

40.1 The filing and perfection of liens for labor, materials, supplies, and rental equipment supplied on the Work are governed by KRS 376.195 et seq.

40.2 Statements of lien shall be filed with the Fayette County Clerk and any action to enforce the same must be instituted in the Fayette Circuit Court, pursuant to KRS 376.250 (5).

40.3 The lien shall attach only to any unpaid balance due the Construction Manager for the improvement from the time a copy of statement of lien, attested by the Fayette County Clerk, is delivered to the Owner, pursuant to the provisions of KRS 376.240.

ARTICLE 41 - ASSIGNMENT

41.1 Neither party to the Contract shall assign the Contract, or any portion thereof without the prior written consent of the other, which consent may be granted or withheld in the granting party's

sole and absolute discretion. The Construction Manager shall not assign any amount or part of the Contract or any of the funds to be received under the Contract unless the Construction Manager has the prior written approval of the Owner (which approval may be granted or withheld in the Owner's sole and absolute discretion) and the Surety on the Construction Manager's bond has given written consent to any such assignment.

ARTICLE 42 - SEPARATE CONTRACTS

42.1 The Owner reserves the right to enter into other Contracts in connection with the Project or to perform any work with the Owner's forces in the normal sequence of the work as depicted in the then current construction schedule. Except for work performed by University personnel, such contracts shall be assignable to the Construction Manager and shall contain the same terms and conditions as the contracts between the Construction Manager and the Sub-contractors. The Construction Manager will be entitled to a maximum of three percent (3%) overhead and profit on the value of such assigned contracts. The Construction Manager shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate its Work with theirs in such manner as the Consultant may direct.

42.2 Should the Construction Manager cause damage to any separate contractor on the Work, and the separate contractor sues the Owner on account of any damage alleged to have been so sustained, the Construction Manager shall be responsible for all costs, attorney's fees and expenses incurred by the Owner for defending such proceedings unless the Owner prevails on behalf of the Construction Manager in which case fees and expenses will be the responsibility of the separate contractor and if any judgment against the Owner arises therefrom, the Construction Manager shall pay or satisfy it and shall pay all costs, attorney's fees and expenses incurred by the Owner.

42.3 If any part of the Construction Manager's Work depends upon the work of any other separate contractor, the Construction Manager shall promptly report to the Consultant any observed defects in such work that render it unsuitable for proper execution connection. The failure to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of the work, except as to defects which may develop in the other contractor's work after the execution of the work.

42.4 Whenever work being done by the Owner's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various parties involved shall be established by the Owner to secure the completion of the various portions of the Work in general harmony.

ARTICLE 43 - CONSTRUCTION MANAGER/SUB-CONTRACTOR RELATIONSHIP

43.1 The Construction Manager is fully responsible to the Owner for the acts and omissions of the Sub-contractors and of persons either directly or indirectly employed by them. The Construction Manager is responsible for the acts and omissions of persons employed directly by the Construction Manager and for the coordination of the Work, including placement and fittings of the various component parts. No claims for extra costs as a result of the failure to coordinate the Work, or by acts or omissions of the various Sub-contractors, will be paid by the Owner.

43.2 Except as otherwise provided in these Contract Documents, the Construction Manager agrees to bind every Sub-contractor by the terms and conditions of the Contract Documents as far as applicable to their portion of the Work. Upon request, the Construction Manager shall provide copies of any subcontracts and purchase orders to the Owner or Consultant.

43.3 The Construction Manager shall make no substitution or change in any Sub-contractor listed and accepted by the Consultant or Owner except as approved in writing by the Owner. The Construction Manager shall not employ any Sub-contractor or supplier against whom the Owner or the Consultant has made reasonable and timely objection. The Construction Manager (CM) will not be allowed to self-perform work or bid on any of the proposed work categories unless a subcontractor fails to perform and upon prior approval by the Universities authorized representatives.”

43.4 Nothing contained in the Contract Documents shall create any contractual relationship between the Owner and any Sub-contractor, Trade Contractor or Supplier, nor shall the Construction Manager include any language in their contracts with any Sub-contractor, Trade Contractor and/or Supplier that might imply such a relationship. The Construction Manager is hereby notified that it is the Construction Manager's contractual obligation to settle disputes between Sub-contractors, Trade Contractors, and/or Suppliers. Neither the Owner nor the Consultant will settle disputes between the Construction Manager and any Sub-contractor, Trade Contractor, and/or Supplier or between Sub-contractors, Trade Contractors, and/or Suppliers.

43.4.1 The Owner does not waive sovereign immunity under KRS 45A.245(1) for any claim or claims made by parties not having a written contract with the University of Kentucky.

43.4.2 Third party and/or flow-through type claims, from Sub-contractors and/or suppliers or any other entity not having a written contract directly with the University, are specifically prohibited by this Contract and no provision of the Construction Manager’s contracts with such entities shall indicate otherwise.

43.4.3 The Construction Manager shall indemnify and hold harmless the Owner and its agents and employees from any claims relating to the Project brought against the Owner by any of the Construction Manager’s Sub-contractors or suppliers, or between their sub-contractors or suppliers.

ARTICLE 44 - CASH ALLOWANCE

44.1 The Construction Manager is to provide or require the Sub-contractor(s) to include in the Contract Amount all costs necessary to complete the Work. Costs based on “allowances” shall be permitted only for objectively quantifiable material items and only with the prior written approval of the Owner.

ARTICLE 45 - PROJECT SITE LIMITS

45.1 The Construction Manager shall confine the apparatus, the storage of materials, and the operations of Workmen to Project site limits indicated in the Contract Documents and as permitted by law, ordinances, and permits, and shall not unreasonably encumber the site with materials and equipment.

ARTICLE 46 - CLEAN UP

46.1 The Construction Manager shall at all times keep the premises free from accumulation of waste material or rubbish caused by the operations in connection with the Work. All corridors and exit doors must be kept clear at all times. All exit ways, walks, and drives must be kept free of debris, materials, tools and vehicles.

46.2 At the completion of the Work, and prior to final inspection and acceptance, the Construction Manager shall remove all remaining waste materials, rubbish, Construction Manager's construction equipment, tools, machinery, and surplus materials and shall leave the Work in a clean and usable

condition, satisfactory to the Consultant and the Owner. If the Construction Manager fails to clean up as provided in the Contract Documents, the Owner may perform the cleaning tasks and charge the cost to the Construction Manager.

ARTICLE 47 - POINTS OF REFERENCE

47.1 The Construction Manager shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, the Construction Manager shall be charged with the resulting expense of replacement and shall be responsible for any mistake that may be caused by their loss or disturbance.

ARTICLE 48 - SUBSTITUTION - MATERIALS AND EQUIPMENT

48.1 Reference to or the listing of items to be incorporated in the construction without referring to any specific article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number shall be interpreted as establishing the general intent of the Contract and the general standard of quality for that item.

48.2 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, with the words "or equal", shall be interpreted as establishing a minimum standard of quality, and shall not be construed as limiting competition.

48.2.1 Substitution of other equipment and materials as "or equal" to items named in the specifications will be allowed provided the proposed substitution is approved by the Consultant and will perform the functions called for by the general design, be similar and of equal quality to that specified and be suited to the same use and capable of performing the same function of that specified. The Construction Manager has the burden to prove equality of any substitution requested.

48.3 Specific references in the Contract Documents to any article, device, equipment, product, material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number, without the words "or equal", shall be interpreted as defining an item or source that has after careful consideration been determined by the University as necessary to be compliant with, and/or to function properly within, the University operational system. No substitutions will be allowed.

48.3.1 In the event the Contract Documents contain specific reference to two or more items as described in Article 48.3, any of those listed will be acceptable.

48.4 Substitution of equipment and materials previously submitted by the Construction Manager and approved by the Consultant will be considered only for the following reasons:

48.4.1 Unavailability of the materials or equipment due to conditions beyond the control of the supplier.

48.4.2 Inability of the supplier to meet Contract Schedule.

48.4.3 Technical noncompliance to specifications.

48.5 In substituting materials or equipment, the Construction Manager assumes responsibility for any changes in systems or modifications required in adjacent or related work to accommodate such substitutions, despite consultant approval, and all costs associated with the substitution shall be the

responsibility of the Construction Manager. The Consultant shall be reimbursed by the Construction Manager for any architectural or engineering revisions required as the result of such substitutions.

48.6 Inclusion of a certain make or type of materials or equipment in the Construction Manager's bid proposal shall not obligate the Owner to accept such materials or equipment if they do not meet the requirements of the Contract Documents and any such substitutions in the preparation of the bid without written approval shall be at the sole risk of the Construction Manager.

ARTICLE 49 - TEST AND INSPECTION

49.1 Regulatory agencies of the government having jurisdiction may require any Work to be inspected, tested or approved. The Construction Manager shall assume full responsibility therefore, pay all costs in connection therewith, unless otherwise noted, and furnish the Consultant the required certificates of inspection, testing or approval.

49.2 The Construction Manager shall give the Consultant timely notice of readiness of the Work for all inspections, tests or approvals.

49.3 The technical specifications may indicate specific testing requirements to be performed by the Construction Manager. Unless otherwise provided in the Contract Documents, the cost of all such testing shall be the responsibility of the Construction Manager. Testing shall be completed using a testing facility or laboratory approved by the Owner.

49.4 The costs of all inspection fees as may be required to construct and occupy the Work shall be the responsibility of the Construction Manager.

ARTICLE 50 - WARRANTY

50.1 The Construction Manager warrants to the Owner and the Consultant that all materials and equipment furnished under this Contract shall be new and in accordance with the requirements of the Contract Documents, and that all Work shall be of good quality, free from faults and defects and in conformance with the Contract Documents. If required by the Consultant or the Owner, the Construction Manager shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If the Construction Manager requests approval of a substitution of material or equipment, the Construction Manager warrants that such installation, construction, material, or equipment will equally perform the function for which the original material or equipment was specified. The Construction Manager explicitly warrants the merchantability, the fitness for a particular purpose, and quality of all substituted items in addition to any warranty given by the manufacturer and/or supplier. Approval of any such substitution is understood to rely on such warrant of performance. Prior to the Substantial Completion inspection, the Construction Manager shall deliver to the Consultant all warranties and operating instructions required under the Contract or to which the Construction Manager is entitled from manufacturers, suppliers, and Sub-contractors. All warranties for products and materials incorporated into the Work shall begin on the date of Substantial Completion. The warranty provided in this Article 50 shall be in addition to and not a limitation of any other warranty or remedy required by law or by the Contract Documents, and such warranty shall be interpreted to require the Construction Manager to replace defective material and equipment and re-execute defective Work which is disclosed to the Construction Manager by or on behalf of the Owner within a period of one (1) year after Substantial Completion of the entire Work in addition to other warranty obligations beyond one year from Substantial Completion as provided for by law or by the Contract Documents.

50.2 Neither the final payment, any provision in the Contract Documents nor partial or entire use or occupancy of the premises by the Owner shall constitute an acceptance of Work not done in accordance with Contract Documents or relieve the Construction Manager or its Sureties of liability with respect to any warranties or responsibilities for faulty materials and workmanship. The Construction Manager or its sureties shall remedy any defects in Work and any resulting damage to Work at the Construction Manager's own expense. The Construction Manager shall be liable for correction of all damage resulting from defective Work. If the Construction Manager fails to remedy any defects or damage, the Owner may correct Work or repair damages and the cost and expense incurred in such event shall be paid by or be recoverable from the Construction Manager or the surety. The Owner will give notice of observed defects with reasonable promptness.

50.3 The Construction Manager shall guarantee that labor, material, and equipment will be free of defects for a period of one (1) year from the date shown on the Certificate of Substantial Completion unless special conditions or additional warranty periods are required by the contract pursuant to Article 23 in addition to warranty obligations which extend beyond one year from Substantial Completion. The Owner will give notice of observed defects with reasonable promptness. Expendable items and wear from ordinary use are excluded from this warranty.

50.4 Should the Construction Manager be required to perform tests that must be delayed due to climate conditions, it is understood that such tests will be accomplished by the Construction Manager at the earliest possible date with provisions of the general warranty beginning upon satisfactory completion of said test. The responsibility of the Construction Manager under this Article will not be abrogated if the Owner should elect to initiate final payment. If the Owner initiates final payment, consent of Construction Manager's surety acknowledging that Work not yet tested is required. The Construction Manager shall warrant that the entire Project will conform to the Contract Documents.

50.5 In addition to the foregoing, the Construction Manager shall warrant for a period of one (1) year that all buildings and other improvements constructed as a part of the Work shall be watertight and leak proof at every point and in every area. The Construction Manager shall, immediately upon notification by or on behalf of the Owner of water penetration, determine the source of water penetration and, at the Construction Manager's expense, (a) do any work necessary to make such buildings or improvements watertight and (b) repair and replace any other damaged material, finishes and furnishings damaged as a result of such water penetration and return the buildings or other improvements to their original condition.

50.6 The Construction Manager shall address and resolve to the Owner's satisfaction any warranty claims made by or on behalf of the Owner during the above described warranty period and all repairs and replacements made by the Construction Manager pursuant to this Article 50 shall be warranted by the Construction Manager, on the terms set forth in this Article 50, for a period of time commencing upon the completion of such repairs and replacements and ending on the later of (a) the expiration of the one (1) year warranty period provided for above or (b) six (6) months after the date such repair or replacement is completed.

50.7 All costs, attorney's fees and expenses incurred by the Owner as a result of the Construction Manager's failure to honor any warranty for the Work shall be paid by or recoverable from the Construction Manager.

ARTICLE 51 - PREVAILING WAGE LAW REQUIREMENTS (NO LONGER USED AS OF 1/9/17)

ARTICLE 52 - APPRENTICES

52.1 Apprentices (for all classifications of work) shall be permitted to work only under an apprenticeship agreement approved by the Kentucky Supervisor of Apprenticeship and by the Kentucky Apprenticeship and Training, United States Department of Labor.

ARTICLE 53 - GOVERNING LAW

53.1 This Contract and all issues and disputes arising out of this Contract shall be governed by, construed and enforced in accordance with the laws of the Commonwealth of Kentucky without consideration of its conflicts of laws principles.

ARTICLE 54 - NONDISCRIMINATION IN EMPLOYMENT

54.1 During the performance of the Contract, the Construction Manager agrees as follows:

54.1.1 The Construction Manager will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, national origin, or disability in employment. The Construction Manager will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, age, national origin, or disability in employment. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Construction Manager agrees to post in conspicuous places available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

54.1.2 The Construction Manager will, in all solicitations or advertisements for employees placed by or on behalf of the Construction Manager; state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin or disability in employment.

54.1.3 The Construction Manager will send to each labor union or representatives of workers with which it has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Construction Manager's commitments under this Article, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

54.2 Failure to comply with the above nondiscrimination clause constitutes a material breach of Contract.

ARTICLE 55 - AFFIRMATIVE ACTION; REPORTING REQUIREMENTS

55.1 The Construction Manager and any Sub-contractor is exempt from any affirmative action or reporting requirements, under the Kentucky Equal Employment Opportunity Act of 1978, KRS 45.550 to KRS 45.640 "The Act", if any of the following conditions are applicable:

55.1.1 The Trade Contract awarded is in the amount of two hundred and fifty thousand dollars (\$250,000.00) or less, and the amount of the Trade Contract is not a subterfuge to avoid compliance with the provisions of the Act;

55.1.2 The Construction Manager or Sub-contractor utilizes the services of fewer than eight (8) employees during the course of the Contract;

55.1.3 The Construction Manager or Sub-contractor employs only family members or relatives;

55.1.4 The Construction Manager or Sub-contractor employs only persons having a direct ownership interest in the business and such interest is not a subterfuge to avoid compliance with the provisions of The Act.

55.2 The Construction Manager and any Sub-contractor, not otherwise exempted, shall:

55.2.1 For the length of the Contract, hire DBE's from within the drawing area to satisfy the agreed upon goals and timetables. Should the union with which the General Contractor or Sub-contractor have collective bargaining agreements be unwilling to provide sufficient DBE's to satisfy the agreed upon goals and timetables, the General Contractor and Sub-contractors shall hire DBE's from other sources within the drawing area.

Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled. MBE, WBE, Veterans, Disabled Veterans and Disabled make up Diverse Business Enterprises (DBE)

55.2.2 The equal employment provisions of The Act may be met in part by the Construction Manager contracting to a DBE contractor or Sub-contractor. A DBE contractor, or Sub-contractor shall mean a business established under the definition of a DBE in Article 55.2.1

55.2.3 The Construction Manager shall, for the length of the Contract, furnish such information as required by The Act and by such rules, regulations and orders issued pursuant thereto and will permit access by the contracting agency and the department to all books and records pertaining to its employment practices and Work sites for purposes of investigation to ascertain compliance with The Act and such rules, regulations and orders issued pursuant thereto.

55.3 If the Construction Manager is found to have committed an unlawful practice against a provision of The Act during the course of performing under this Contract, a Trade Contract or a subcontract covered under The Act, the Owner may cancel or terminate the Contract, conditioned upon a program for future compliance approved by the Owner. The Owner may also declare such Construction Manager ineligible to submit proposals on further contracts until such time as the Construction Manager complies in full with the requirements of The Act.

55.4 Any provisions of The Act notwithstanding, the Construction Manager shall not be required to terminate an existing employee, upon proof that employee was employed prior to the date of the Contract, nor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

END OF DOCUMENT

AGREEMENT BETWEEN
UNIVERSITY OF KENTUCKY
AND CONSTRUCTION MANAGER AT RISK

THIS AGREEMENT, made the _____ day of _____ by and between _____
_____ ("Construction Manager"), and the UNIVERSITY OF
KENTUCKY, ("Owner"), is to bind the parties hereto to the principles and terms set forth
herein, and shall be binding upon the parties hereto.

WITNESSETH, that the Construction Manager and Owner for the consideration hereinafter
named, agree as follows:

ARTICLE No. 1: SCOPE OF WORK:

Construction Management Services to Renew/Modernize Charles E. Barnhart
Building.

PROJECT: Project #2591.1.0 Construction Management Services to Renew/Modernize
Charles E. Barnhart Building. (the "Project")

The Scope of Work consists of the Request for Proposal, UK-2314-23-23, dated February 2,
2023; the Construction Manager's technical and financial proposals, Addendums 1, 2, etc.,
the General Conditions, the Special Conditions, the Construction Manager's Bonds and
Insurance and Affidavit, the Specifications, the Drawings including Supplemental Drawings
and Change Orders issued after execution of the Contract for the Work described in Article
No. 1 of this Agreement, all of which are incorporated in and made a part thereof by
reference, and which shall be binding upon the Construction Manager and Owner.

ARTICLE No. 2: TIME OF COMPLETION:

The Construction Manager must begin Work specified by the written Work Order from the
Owner. The time for Substantial Completion (as further defined in Article 1 of the General
Conditions) for each phase of Work shall be as stipulated below and as specified in the Work
Order letter, and Final Completion for each phase shall be 30 days thereafter.

- **Phase 1: Renovation of existing Barnhart Building. Starting construction on May 13, 2024 with Substantial Completion on July 12, 2024.**
- **Phase II: New Construction of the Barnhart Building addition. Starting construction on December 1, 2023 with Substantial Completion on March 5, 2025.**

ARTICLE No. 3 LIQUIDATED DAMAGES:

3.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of Seven Hundred Fifty Eight Dollars (\$758.00) for each consecutive calendar day that Substantial Completion has not been met.

3.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of One Hundred Twenty Four Dollars (\$124.00) for each consecutive calendar day until Final Completion is reached.

ARTICLE No. 4: THE CONTRACT AMOUNT:

Subject to additions and deductions for Change Orders made in accordance with the Contract Documents, the Owner shall pay the Construction Manager as full consideration for the Construction Manager's satisfactory performance of the Contract obligations the sum of :

ARTICLE No. 5: SPECIAL NOTICE:

The Construction Manger certifies that it is fully informed of the conditions relating to construction and labor under which the Work under this Agreement is to be performed, and agrees that it shall employ, methods and means in carrying out the Work so as not to interfere with or interrupt the Work of any other Contractor working on/or adjacent to the site for this Work.

IN WITNESS WHEREOF this Agreement is executed in two (2) counterparts, each one of which shall be deemed an original and adequate proof of this Agreement, on the date and year first herein before written.

WITNESS:

CONSTRUCTION MANAGER: _____
Company Name

BY: _____

Title: _____

Approved for Legality and Form

APPROVED: _____

Recommended By:

Kevin Locke
AVP Capital Planning, Design & Construction

UNIVERSITY OF KENTUCKY

By: _____
Eric Monday
Executive Vice President for Finance and
Administration

010000S01- Special Conditions – Construction Manager at Risk

UNIVERSITY OF KENTUCKY
SPECIAL CONDITIONS OF THE CONTRACT
FOR CONSTRUCTION BY A CONSTRUCTION MANAGER AT RISK

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ARTICLE 01 GENERAL INFORMATION

1.1 These Special Conditions are intended to modify, supplement, or delete from, applicable Articles of the General Conditions.

1.2 Where any Article of the General Conditions is supplemented by these Special Conditions, the Article shall remain in effect and the supplement shall be added thereto.

1.3 Where Special Conditions conflict with General Conditions, provisions of the Special Conditions take precedence.

ARTICLE 02 PERMITS AND FEES

The Lexington Fayette Urban County Government (LFUCG) Sewer Tap Fee shall be secured and paid for by the Construction manager. The sewer tap fee is for all projects, regardless of type, is presently calculated by the LFUCG and is based on \$ _0.842 ___ per square foot.

ARTICLE 03 (NOT USED)

ARTICLE 04 CONSULTANT

4.1 Wherever in these Contract Documents reference is made to the Consultant, it shall be understood to mean BHDP Architecture and their Sub-consultants their duly authorized representatives. (See Article 2 of the General Conditions.)

ARTICLE 05 GEOTECHNICAL REPORT

5.1 No subsurface or geotechnical survey information is available at this time. However, one will be performed by Terracon and be made available to the successful Construction manager.

ARTICLE 06 TIME FOR COMPLETION

6.1 The time for Substantial Completion (as further defined in Article 1 of the General Conditions) for each phase of Work shall be as stipulated below and as specified in the Work Order letter, and Final Completion for each phase shall be 30 days thereafter.

Phase 1: **Renovation of existing Barnhart Building. Starting construction on May 13, 2024 with Substantial Completion on July 12, 2024.**

Phase II: **New Construction of the Barnhart Building addition. Starting construction on December 1, 2023 with Substantial Completion on March 5, 2025.**

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ARTICLE 07 LIQUIDATED DAMAGES

7.1 Should the Construction Manager fail to achieve Substantial Completion of the Work under this Contract on or before the date stipulated for Substantial Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of Seven Hundred and Fifty Eight Dollars (\$758.00) for each consecutive calendar day that Substantial Completion has not been met. See Article 3 of the Agreement.

7.2 Should the Construction Manager fail to achieve Final Completion of the Work under this Contract on or before the date stipulated for Final Completion (or such later date as may result from extensions in the Contract Time granted by the Owner), he agrees that the Owner is entitled to, and shall pay the Owner as liquidated damages the sum of One Hundred and Twenty Four Dollars (\$124.00) for each consecutive calendar day until Final Completion is reached. See Article 3 of the Agreement.

ARTICLE 08 SUBMITTALS AND SHOP DRAWINGS

8.1 SUBMITTALS - GENERAL

8.1.1 The Construction Manager shall submit each set of Shop Drawings, product data, samples, and test and/or certification reports and samples as a separate item in UK E-Communication[®]. Projects not utilizing UK E-Communication[®] must submit all items electronically to the Consultant and the UK Project Manager and Administrative Coordinator.

8.1.2 All sample selections for color shall be submitted for approval at the same time. Color selections shall not be submitted individually.

8.1.3 Any deviation from the Contract Documents shall be noted on the transmittal form comment section.

8.1.4 All submittals are to be reviewed by the Construction Manager for compliance with the Contract Documents before submission for approval. All submittals are to be initiated by the Construction Manager. Submittals made directly to the Consultant by sub-contractors, manufacturers or suppliers will not be accepted or reviewed.

8.1.5 Re-submittals shall conspicuously note all changes from earlier submissions. Special notation by the Construction Manager shall be made to any changes other than those made in response to the Consultant's review.

8.1.6 Manufacturers shall, when requested by the Consultant, submit test reports prepared by reputable firms or laboratories certifying as to performance, operation, construction, wearability, etc., to support claims made by the manufacturer of the equipment or materials proposed for inclusion in the Work. Construction Manager shall

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also submit a list of three (3) installations where said equipment or materials have been in service for a minimum of five (5) years.

8.2 SUBMISSIONS - REVIEW

8.2.1 Review of submittals is only for compliance with the design concept and the contract documents. **THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR CHECKING DEVIATIONS FROM CONTRACT DOCUMENT REQUIREMENTS OR CHANGES FROM EARLIER SUBMISSIONS NOT SPECIFICALLY NOTED.**

8.2.2 The following shall be verified prior to making submittals:

Field Measurements, Field Construction Criteria, Catalog numbers and similar data, Quantities and Capacities, and Compliance with requirements, including verification of all dimensions,

8.2.3 Review Stamp designations shall be as follows:

8.2.3.1 "NET = No Exceptions Taken": Proceed with the Work, no corrections needed.

8.2.3.2

"FC= Furnish as Corrected": Proceed with the Work, noting the corrections/conditions of the approval.

8.2.3.3 "RR = Revise and Resubmit": Do not proceed with the Work, as the submittal does not comply with the Contract Documents. Revisions to the submittal are required for approval. On projects utilizing UK E-Communication, "Send Back a Step" is used in lieu of "Revise and Resubmit"

8.2.3.4 "R = rejected": Do not proceed with the Work, the submittal is rejected.

8.3 SUBMISSIONS - SPECIAL PROVISIONS

8.3.1 In making a submittal, the Construction Manager shall be deemed to be making the following representations:

8.3.1.1 The Construction Manager understands and agrees that he shall bear full responsibility for the products furnished. The Construction Manager expressly warrants that products described in the attached submittal will be usable and that they conform to the Contract requirements unless specifically noted otherwise.

8.3.1.2 The Construction Manager understands and agrees that, without assuming design responsibility, he expressly warrants that products described in the attached submittal are capable of being used in accordance with the intent of the design documents and that they conform to the Contract requirements unless specifically noted otherwise.

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8.3.1.3 The Construction Manager acknowledges that the Owner will rely on the skill, judgment, and integrity of the Construction Manager as to conformance requirements and subsequent usability.

8.4 SHOP DRAWING AND PROCUREMENT SUBMITTAL LOG

8.4.1 The Construction Manager, within ten (10) days after the Pre-Construction meeting, shall begin uploading submittals using UK E-Communication[®], to generate a log fixing the dates for submission of Shop Drawings, special order material items, certifications, guarantees, and any other items required to be submitted to the Consultant for review, approval or acceptance. Projects not utilizing UK E-Communication[®] will submit a Shop Drawing Log provided by the Owner during the Pre-Construction Meeting.

8.4.2 The log shall track all submittals to date. The updated log shall then be reviewed and discussed at each progress meeting to determine items that may impact the construction schedule.

8.5 Shop Drawings

8.5.1 The Construction Manager shall review, approve, and submit Shop Drawings to the Consultant, in accordance with the Consultant's Shop Drawing & Procurement Submittal Log or UK E-Communication[®], as herein detailed. By approving and submitting Shop Drawings, the Construction Manager represents that he has determined and verified all materials, field measurements, and field construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

8.5.2 The Construction Manager shall submit Shop Drawings required for the Work and the Consultant will review and take appropriate action. The review and approval shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The approval of a separate item will not indicate approval of the assembly in which the item functions.

8.5.3 The Construction Manager shall make any corrections required by the Consultant for compliance to the Contract and shall return the required number of corrected copies of Shop Drawings and resubmit new samples until approved. The Construction Manager shall direct specific attention, in writing, or on resubmitted Shop Drawings, to revisions other than the corrections called for by the Consultant on previous submissions. The Construction Manager's stamp of approval on any shop drawing or sample shall constitute a representation to Owner and Design Consultant that the Construction Manager has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar date, or he assumes full responsibility for doing so, and that he has reviewed or coordinated each shop drawing or sample with the requirements of the Work and the Contract Documents.

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8.5.4 Where a shop drawing or sample submission is required by the specifications, no related Work shall be commenced until the submission has been approved by the Design Consultant. A copy of each approved shop drawing and each approved sample shall be kept in good order by the Construction Manager at the site and shall be available to the Consultant.

8.5.5 The Consultant's approval of Shop Drawings or samples shall not relieve the Construction Manager from his responsibility for any deviations from the requirements of the Contract Documents unless the Construction Manager has in writing called the Consultant's attention to such deviation at the time of submission and the Consultant has given written approval to the specific deviation. Any approval by the Consultant shall not relieve the Construction Manager from responsibility for errors or omissions in the Shop Drawings.

8.5.6 All submittals are to be submitted electronically by the contractor. Shop Drawings submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Workflow in UK E-Communication® will be established during the workflow meeting. Each individual Shop Drawing shall have its respective specification number and description highlighted.

8.5.7 Where Shop Drawings include fire alarm, communication systems schematics, sprinkler systems, etc., a sepia of each drawing shall be submitted to the Consultant as part of the "Record" set of drawings.

8.6 SUBMISSIONS - SAMPLES

8.6.1 Office samples shall be of sufficient size and quantity to clearly illustrate functional characteristics of the product with integrally related parts and attachment devices, and full range of color, texture, and pattern.

8.6.2 Products shall not be used until the sample has been submitted to and approved by the Consultant.

8.6.3 A minimum of two (2) samples are required to be submitted to the Consultant for review and approval and will be distributed as follows:

- a) One to be retained by the University;
- b) One to be retained by the Design Consultant;
- c) An additional sample or samples may be submitted, at the Construction Manager's option, for distribution to a third party.

8.6.4 Field samples (block, brick, etc.) of materials to be constructed at the site shall be submitted for review as required by the individual section of the Contract Documents.

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8.7 SUBMISSIONS - OPERATION AND MAINTENANCE MANUALS

8.7.1 The University requires a minimum of one (1) digital copy of the final installation, training, operation, maintenance, and repair manuals to be turned over to the Owner's Project Manager and approved for content by the Consultant by or before the time construction is 75% complete. Projects utilizing e-Communication will create digital copy from the Document Library (Closeouts) in e-Communication. Operation and maintenance manuals and materials, where specified, for mechanical and electrical equipment and for operating items other than mechanical and electrical equipment must be submitted in PDF format with a separate PDF file for each item. In the event the Construction Manager fails to provide these required electronic submittals prior to reaching seventy-five (75%) completion, it is agreed that the Owner at its sole discretion may deduct from the current and subsequent Applications for Payment an amount deemed by the Owner to be sufficient to encourage prompt compliance with this contractual requirement, until such time as acceptable O&M manuals are received.

8.7.2 Manuals provided must be of sufficient detail to enable the Owner or others to install, calibrate, train, operate, maintain, service and repair every system, subsystem, and/or piece of equipment installed on or as part of this Contract. Manuals submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed. Each manual must contain:

8.7.2.1 Project Title, Project number, Location, dates of submittals, names, addresses and phone number for the Consultant, Construction Manager, and Construction Manager's Sub-contractors;

8.7.2.2 An Equipment Index that includes vendors' names, addresses, and telephone numbers for all equipment purchased on the Project;

8.7.2.3 Emergency instructions with phone numbers and names of contact persons on warranty items shall be uploaded to UK E-Communication®;

8.7.2.4 Copies of each system's air balancing record and each system's hydronic balancing record (1) physical copy and (1) digital copy in eCommunication;

8.7.2.5 Copy of valve tag list;

8.7.2.6 Copy of As-Built temperature control system drawings and components and sequence of operation;

8.7.2.7 Original copies of the following provided by the manufacturer:

Installation manuals	Instruction Manuals
Training manuals	Calibration manuals
Service Manual	Operation manuals

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Parts list	Repair manuals
Reviewed Shop Drawings	Wire list
	Keying Bit List

8.7.2.8 Any Computer, Micro controller, and/or Microprocessor equipped equipment installed shall be provided with source code copies of all software and firmware (prom, eprom, rom, other) supplied on this Contract; and

8.7.2.9 Copies of all inspection and guarantee certificates, manufacturers' warranties with the University of Kentucky listed as the Owner for all equipment provided and/or installed.

8.7.2.10 Refer to the Official Design Standards **017800S01 – Closeout Submittals** for full details <https://www.uky.edu/cpmd/download/file/fid/78986>

8.7.2.11 If the O&M manuals from any one vendor covering several different model numbers, the model used on the Project must be highlighted.

8.7.2.12 Included in the front of the "Operation and Maintenance Manual" shall be a copy of the Interior and Exterior Finish plan and Schedule listing all finish materials, the manufacturer, the finish color, and the manufacturer's paint number.

8.7.2.13 Photograph album containing digital images (.pdf format) showing buried utilities and concealed items shall be included.

8.8 SUBMISSIONS – AS - BUILT SET OF DRAWINGS

8.8.1 The Construction Manager shall submit one (1) electronic copy of As - Built set of drawings in PDF format indicating all deviations of construction as originally specified in the Contract Documents. These As-Built Drawings will compile information from the Construction Manager as well as all Sub-contractors. The Construction Manager shall provide a qualified representative to update the As - Built set of drawings as construction progresses. As-Built drawings submitted through UK E-Communication® shall be scanned and submitted in color. Mark-ups must be made using visible color when printed.

8.8.2 The Construction Manager shall provide and utilize a camera to photograph the installation of buried utilities and concealed items. The Construction Manager shall provide digital images (.pdf format), which shall be submitted as part of the Operation and Maintenance Manuals submission.

8.8.3 Approval of the Final Payment request will be contingent upon compliance with these provisions. The Construction Manager's As – Built set of drawings shall be delivered to the Consultant at their completion so that the Consultant may make any changes on the original contract drawings.

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8.9 SUBMISSIONS - SAP EQUIPMENT LIST

8.9.1 Complete equipment list for use with SAP software in electronic spreadsheet format. Data is to be provided in Unifomat format with the information being provided for individual locations as noted in Attachment A – Unifomat Component List. Information is to be provided as follows (MCPPD or CPPD will provide blank Excel spreadsheets in electronic form for use in compiling the information, if desired)

8.9.2 All materials that require preventative maintenance (PM) are listed as in Attachment A. The equipment list is to be provided in Excel spreadsheet format and is to include the information listed in Attachment B

8.9.3 Required maintenance procedure listing each work task in Excel spreadsheet format as shown in Attachment C.

8.9.4 Required frequency of maintenance for the work tasks outlined in 8.9.3 above and included in the Attachment C spreadsheet

8.9.5 Listing of maintenance parts and items: i.e. filters, lubricants, etc. for each work task listed in 8.9.3 above.

8.10 SUBMISSIONS – MAINTENANCE MATERIALS

8.10.1 If specified, Maintenance/Replacement Materials, Spare Parts, and special maintenance tools for proper maintenance shall be provided by the CM At Risk.

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ARTICLE 8.9 Attachment A – Unifomat Component List

SAP Object Type No.	Component Name
D5030.0232	Access Control Panel
D3050.0110	Air Conditioning Comp Rm Unit
D3030.0610	Air Conditioning Compressor
D3030.0620	Air Conditioning Condensing Unit
D3050.0120	Air Conditioning Pkg Rooftop Unit
D3050.0130	Air Conditioning Pkg Terminal Unt
D3030.0630	Air Conditioning Split System
D3050.0140	Air Conditioning Unit Package
D3050.0150	Air Conditioning Unit Window
D3050.0710	Air Curtain / Heater
D2090.0120	Air Dryer
D3010.0443	Air Eliminator
D3040.0110	Air Handling Unit
D5090.0220	Auto Transfer Switch - Electrical
	Automatic Door Operator
D2020.0330	Backflow Preventers
D3020.0110	Boiler, Steam System
D5030.0241	Camera
D5030.0231	Card Access System
D3030.0300	Chiller, Reciprocate
E1090.0250	Chutes & Collectors
D5010.0510	Circuit Breaker Panel
F1020.0230	Clean Rooms
F1020.0240	Cold Storage Rooms
D2090.0110	Compressor, Air
D3060.0250	Controls, Building System
E1090.0317	Cooler, Commercial
D3030.0510	Cooling Tower, Packaged
D2010.1300	Copper Silver Ion Equipment
D4090.0510	Dampers Fire
D4090.0500	Dampers Fire/Smoke
D4090.0520	Dampers Smoke
D3050.0400	Dehumidifiers
D2090.0200	Deionized Water System
E1090.0391	Dishwasher, Commercial
B2030.0160	Door, Auto Entrance
B2030.0100	Door, Exterior Entrance

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C1020.0330	Door, Fire Separate
C1020.0320	Door, Smoke Partition
D2010.0800	Drinking Fountain
D5010.0350	Electric Switchboard
E1030.0310	Elevator, Dock Leveler
D1090.0120	Elevator, Dumbwait Electric
D1090.0130	Elevator, Dumbwait Hydraulic
D1010.0140	Elevator, Hydraulic Freight
D1010.0120	Elevator, Hydraulic Passenger
D1010.0230	Elevator, Platform Lift
D1010.0240	Elevator, Sidewalk Lift
D1010.0130	Elevator, Traction Freight
D1010.0110	Elevator, Traction Passenger
D1010.0220	Elevator, Wheelchair Lift
D2010.1100	Emergency Eyewash
D2010.1000	Emergency Eyewash/Shower
D5090.0810	Emergency Generator
D2010.1200	Emergency Shower
D3050.0600	Energy Recovery Unit
F1020.0260	Environmental Unit
D3040.0120	Fan
D3050.0520	Fan Coil Unit
D3040.0122	Fan, Axial
D3040.0121	Fan, Centrifugal
D3040.0410	Fan, Exhaust
D5030.0141	Fire Alarm Annunciator
D5030.0134	Fire Alarm AV Devices
D5030.0139	Fire Alarm Door Holder
D5030.0144	Fire Alarm Duct Detector
D5030.0133	Fire Alarm Heat Detectors
D5030.0136	Fire Alarm Horns
D5030.0131	Fire Alarm Panel
D5030.0135	Fire Alarm Pull Station
D5030.0137	Fire Alarm Signal Speaker
D5030.0132	Fire Alarm Smoke Detectors
D5030.0130	Fire Alarm System
D5030.0138	Fire Alarm Visual Signal Dev
D4030.0200	Fire Blanket & Cabinet
D4030.0100	Fire Extinguisher Cabinet
D4030.0300	Fire Extinguisher Wheeled
D4090.0300	Fire Extinguishing System, Clean

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D4090.0200	Fire Extinguishing System, CO2
D4090.0400	Fire Extinguishing System, Dry Chemical
D4090.0100	Fire Extinguishing System, Foam
D4090.0000	Fire Extinguishing System, Other
G3010.0310	Fire Hydrant
E1090.0330	Food Cooking Equipment
E1090.0310	Food Stor/Prep Equipment
D2090.0400	Fuel Oil System
D3040.0460	Fume Hood System
D3020.0310	Furnaces
D2030.0260	Grease Trap
D3050.0580	Heat Exchanger
D2020.0260	Heater Domestic Water
D3050.0521	Heater, Cabinet Unit
D3050.0581	Heater, Cast Iron Radiator
D3050.0530	Heater, Fin Tube Radiation
D3050.0540	Heater, Induction Unit
D3050.0560	Heater, Unit
D3050.0570	Heater, Unit Vent
F1040.0700	Heliport System
E1090.0340	Hood/Vent Equip
D3050.0300	Humidifier
E1090.0380	Ice Machines
D5020.0330	Light, Emergency Exterior
D5020.0230	Light, Emergency Interior
D5020.0231	Light, Exit
E1020.0831	Medical Air Compressor
E1020.0900	Medical Gas Alarm
E1020.1000	Medical Gas Area Alarm
E1020.0840	Medical Gas Auto Pressure Switch
E1020.0834	Medical Gas Manifold
E1020.0835	Medical Gas N2O
E1020.0839	Medical Gas Outlet
E1020.0837	Medical Gas Shut-off Valve
E1020.0830	Medical Gas System
E1020.0838	Medical Nitrogen
E1020.0810	Medical Sterilizer Equipment
E1020.0832	Medical Vacuum Pump
D5010.0711	Motor Control Center
D5010.0720	Motor, Electric
D5030.0431	Nurse Call System

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E1090.0210	Packaged Incinerator
D3010.0550	Packaged Solar Equipment
D5030.0420	Paging Systems
C1010.0180	Partition Fire Rated
C1010.0190	Partition, Smoke
D1090.0141	Pneumatic Tube Blower
D1090.0142	Pneumatic Tube Station
D1090.0140	Pneumatic Tube System
D1090.0143	Pneumatic Tube Transfer Unit
D3010.0430	Pump
D3030.0710	Pump, Air Source Heat
D3010.0432	Pump, Chilled Water
D2020.0222	Pump, Domestic Hot Water Recirculation
D2020.0221	Pump, Domestic Water Booster
D4010.0111	Pump, Fire
D3010.0431	Pump, Heating Water
D4010.0112	Pump, Jockey Fire
D3030.0720	Pump, Rooftop Heat
D3010.0433	Pump, Steam
D2040.0270	Pump, Sump
D2030.0330	Pump, Waste
D2020.0220	Pump, Water Booster
D3030.0730	Pump, Water Heat
E1090.0315	Refrigerator/Freezer, Commercial
D3040.0123	Return Air Fan
D2090.1200	Reverse Osmosis System
D3030.0420	Scroll Chiller
D4010.0300	Sprinkler, Combo System
D4010.0400	Sprinkler, Deluge System
D4010.0200	Sprinkler, Dry-Pipe
D4020.0100	Sprinkler, Standpipe
D4010.0100	Sprinkler, Wet-Pipe
D3050.0310	Steam Generator
D5010.0840	Switchgear, Medium Voltage
D3010.0441	Tank, Expansion Compressor
D2020.0310	Tank, Expansion Domestic
D2020.0320	Tank, Expansion Reheat
D2090.0410	Tank, Fuel Oil
D3010.0444	Tank, Steam Flash
D5010.0210	Transformer, Low-Volt 2nd
D5010.0410	Transformer, Low-Volt Inter

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D5010.0110	Transformer, Main
D3020.0150	Trap, Steam
D5090.0110	UPS - Computer
D5090.0120	UPS - Other
D2090.1310	Vacuum Pump
D3010.0435	VFD - Pump
D3040.0190	VFD HVAC
D5010.0850	VFD/VSD
E1090.0316	Walk-in-Refrigerator
D2090.0210	Water Softener Equipment
D3010.0490	Water Treatment Equipment

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ARTICLE 8.7.3 Attachment B – Equipment List Spreadsheet Data Categories

Unifomat	
Component ID	
Component Name	
Description	
Name	
Equipment No.	MCPPD or CPPD will enter this data
Model No.	
Room Location	
Functional Location	MCPPD or CPPD will enter this data
Manufacturer	
Supplier	
Installing Contractor	
Serial No.	
Main Work Center	MCPPD or CPPD will enter this data
Comments(30 char's)	MCPPD or CPPD will enter this data
Critical	MCPPD or CPPD will enter this data
JCAH Code	MCPPD or CPPD will enter this data
Patient Room?	MCPPD or CPPD will enter this data
Vendor ID	MCPPD or CPPD will enter this data
Vendor Type	MCPPD or CPPD will enter this data
Vendor - Other Info	MCPPD or CPPD will enter this data
Equipment Life	MCPPD or CPPD will enter this data
Area Serviced	
Contains Lead?	
Contains Asbestos?	
Contains PCBs?	
Motor Frame	
Motor Style	
Motor HP	
Motor Phase	
Motor Volts	
Motor RPM	
Fan CFM	

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Fan RPM	
Fan Static	
Fan Type	
Fan RPM 2	
Pump Head	
Pump Inlet	
Pump GPM	
Pump Outlet	
Motor Oper Amps	
Condition	MCPD or CPD will enter this data
Disconnect Location	
Motor FLA	
Belts	
Filters	

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ARTICLE 8.7.3 Attachment C - Example Preventative Maintenance Procedures

Description	Name	Equipment No.	Frequency	Maintenance Procedure	Maintenance Parts & Items
Air Handling Unit	AHU-1	M-12345	Monthly	Check Belts	
Air Handling Unit	AHU-1	M-12345	Quarterly	Grease bearings	Grease type xyz
Air Handling Unit	AHU-1	M-12345	Annually	Replace Belts	Belt model abc-123
Air Handling Unit	AHU-2	M-98765	Monthly	Check Belts	

The blue highlighted column will be filled in by MCPPD or CPPD.

ARTICLE 09 PLANS, DRAWINGS, AND SPECIFICATIONS

9.1 The successful Construction Manager will receive a digital copy (.pdf) sets of plans and specifications. Construction Manager will be required to pay for cost of duplication for all sets required. One official, physically printed, clean copy of the permit set is to be located at the jobsite at all times.

9.2 The University will provide a digital copy (.pdf) of the ‘Official Contract Documents’ book to the successful Construction Manager. One official, physically printed, clean copy of the permit set is to be located at the jobsite at all times.

9.3 All drawings, specifications and copies, thereof, prepared by the Consultant, are the property of the University of Kentucky. They are not to be used on other Work.

ARTICLE 10 PROGRESS MEETINGS

10.1 In addition to specific coordination and pre-installation meetings for each element of Work, and other regular Project meetings held for other purposes, progress meetings will be held as outlined at the Preconstruction Meeting. Each entity then involved in planning, coordination or performance of Work shall be properly represented at each progress meeting. The following areas will be covered at each progress meeting: current status of work in place, CM’s review of upcoming work (1 month look ahead), schedule status, upcoming outages, new outage requests, shop drawings due from contractors, shop drawings being reviewed, outstanding RFI’s, outstanding proposed change orders, change orders, new business, As-Built updated, close-out documents status, defective work in place issues, review “pencil copy” of payment application, safety issues and new business or other issues not covered above.. With regard to schedule status, discuss whether each element of current work is ahead of schedule, on time, or behind schedule in relation with updated progress schedule; determine how behind-schedule Work will be expedited, and secure commitments from entities involved in doing so; discuss whether schedule revisions are required to ensure that current Work and subsequent Work will be

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completed within Contract Time; and review everything of significance which could affect the progress of the Work.

10.2 Construction Manager shall prepare and submit at each progress meeting an updated schedule indicating Work completed to date and any needed revisions.

10.3 With the express purpose of expediting construction and providing the opportunity for cooperation of affected parties, progress meetings will be held and attended by representatives of:

- (1) The Owner's Project Manager
- (2) The Consultant.
- (3) Construction Manager.
- (4) Subcontractors.
- (5) Others requested to attend (as deemed necessary by CPMD).
- (6) Physical Plant Division Representative

10.4 A location near the site will be designated where such progress meetings will be held. Participants will be notified of the dates and times of the meetings by the Consultant.

ARTICLE 11 CRITICAL PATH METHOD (CPM) SCHEDULE

11.1 Construction Manager shall prepare Critical Path Method (CPM) type schedules in accordance with General Conditions Article 32 with separate divisions for each major portion of the Work or operation. The schedules submitted for this Project shall be prepared using Primavera P6 scheduling software. If approved by the University, and at the sole discretion of the University, schedules submitted using earlier versions of Primavera scheduling software (Primavera SureTrak or Primavera P3) may be converted to Primavera P6 format by the University for review purposes. However, the University will not be responsible for any inaccuracies that may result from such conversions. All schedule submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format.

11.1.1 CPM schedules shall be based on generally accepted good practices for the development of construction schedules including limited use of long activity durations, long total float values or relationships based on leads or lags. Schedules shall include all activities necessary for performance of the work showing logic (sequences, dependencies, etc.) and duration of each activity. The schedules shall provide information for all elements of the Work in sufficient detail to accurately demonstrate the relative importance of each activity to the successful completion of the Project including but not necessarily limited to the following.

- a) Activities to be performed by the University or the Design Team.
- b) Activities describing time sensitive submittals and submittal processing.
- c) Activities describing fabrication and delivery of key materials or equipment.

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- d) Activities to identify equipment start-up and testing, system commissioning, and Owner training.
- e) Activities to identify Owner Furnished /Contractor Installed and Owner Furnished / Owner Installed material or equipment.
- f) Activities to denote all required inspections by the Owner or Design Team, and inspections by state or local agencies including receipt of necessary Certificate(s) of Occupancy.
- g) Activities to identify all dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.
- h) Activities to identify all contractually mandated constraints. Non-contractual constraints shall not be included in the Initial or Final Baseline schedules without explanation. Non-contractual constraints are for the convenience of the Construction Manager, shall not be a basis for delay claims, and may be temporarily removed by the University when schedules and updates are reviewed.
- i) Software coding of each activity to identify the applicable Phase; area and/or sub area where the work occurs; the trade subcontractor or party responsible for completion of the activity; whether the activity is a design activity, a bidding or procurement activity, a submittal activity, or a construction activity; and whether the activity is potentially weather dependent.
- j) The University may, at its sole discretion, also require that each activity be coded to indicate the section of the Technical Specifications that applies to the work.

11.1.2 Schedules shall include divisions for Work to be accomplished remote from the central construction site, (for example, modular or prefabricated units to be constructed off-site, or utilities to the site from outside the construction site such as chilled water, steam, electrical, communications, and fire service). Such Work shall be scheduled so that disruption resulting from construction will be minimized. Start dates and completion dates for utility construction must be maintained and completed in the shortest reasonable time.

11.2 An Initial Baseline Schedules shall be submitted to the Consultant and to the Owner within thirty (30) calendar days after award of the first bid Package or trade contract, and shall include detailed information regarding Work to be performed during the first ninety (90) days of the Project as well as milestone dates based on hammock or Level of Effort type activities that identify all major elements of the remainder of the Work. Any necessary revisions to the Initial Baseline Schedule shall be completed prior to submittal of the Final Baseline Schedule.

11.3 The Final Critical Path Baseline Schedule shall be submitted to the Consultant and to the Owner within seventy five (75) calendar days after award of the first bid Package or trade contract, shall be consistent with the information contained in the Initial Baseline Schedule prepared in accordance with Article 11.2 above, shall be a complete and comprehensive description of the Construction Manager's plan to complete the Work in accordance with the Contract, shall include all activities necessary to complete the Work, and shall show the complete sequence of construction by activity, with dates for

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beginning and completion of each element of construction as well as an indication of whether the activity might reasonably be delayed or impacted by bad weather. Sub-schedules shall be provided as may be necessary to define critical portions of the entire schedule.

11.3.1 If the Project is to be constructed in multiple phases or using multiple Bid Packages, the date for the start of work on each phase of the Project shall be the date on which the University approves the award of the first Trade Contract for work in that phase or Bid Package.

11.3.2 A separate schedule including decision dates for selection of finishes and delivery dates for Owner furnished items, if any, shall be provided showing submittal dates for Shop Drawings, product data, and material samples, as appropriate.

11.3.3 A separate schedule shall be provided identifying dates and durations for major utility outages requiring coordination with the Owner and the Owner's operations.

11.3.4 Activities, including Outages, which require action by or which are the responsibility of, the Owner or the Consultant under the terms of the Contract shall be properly indicated, and the responsible party shall be identified in the CPM schedule.

11.4 The Consultant will review schedules only for compliance with the intent of the Contract Documents. Such review shall not relieve the Construction Manager of any responsibility for compliance with the provisions of the Contract nor shall such review or any review comments constitute an amendment or modification of the Contract requirements. The Construction Manager shall be solely responsible for the means and methods to be employed to assure construction proceeds in accordance with the submitted schedule and for identifying all necessary activities, establishing activity sequencing, and assigning activity durations and relationships to assure that the CPM schedule is an accurate and comprehensive description of the plan for the Work.

11.5 Up-dated progress schedules shall be submitted to the Consultant and to the Owner concurrently with each Application for Payment to indicate progress on each remaining activity as of the last working day prior to the date of the submittal and the projected completion date of each activity. Updated CPM schedules shall show the accumulated percentage of completion of each activity, and total percentage of Work completed, as of the date of the update. Each submittal of an update to the schedule shall include a narrative report that identifies and explains activities modified since the previous submittal, major changes in scope and other identifiable changes, problem areas, anticipated delays, and impact on the schedule, and shall describe corrective action taken or proposed, and its effect. Schedules will be uploaded in UK E-Communication®'s Schedules Item Log.

11.6 Submittals shall include a copy in portable document (.pdf) format as well as a complete copy of the schedule in Primavera P6 electronic file (.xer) format along with a transmittal letter and related narrative report.

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11.7 Copies of updated CPM schedules are to be provided to the job site file and, as appropriate, to subcontractors, suppliers, and other concerned entities, including separate contractors. Recipients are to be instructed to promptly report, in writing, any problems anticipated in meeting the projected dates shown in the schedules.

11.8 The processing of all progress payments is contingent upon the submission of an updated CPM schedule. Only payment for bonds and limited Construction Manager mobilization costs will be approved for processing prior to receipt of the Initial and Final Baseline schedules

11.9 The processing of all change orders requesting a time extension to the contract is subject to the terms of Article 21 of the General Conditions to this Contract and is contingent upon the submission of a CPM schedule showing that the change order does indeed impact the contractually required completion dates for the Work. Time extensions for Change Orders that do not impact the contractually required completion dates for the Work will not be considered.

11.10 All time extensions shall be negotiated and made full, equitable and final, and incorporated in a revised CPM schedule at the time of Change Order issuance. No reservation of rights shall be allowed.

11.11 Float available in the schedule at any time shall not be considered for the exclusive use of either party to the contract but will be a resource available to both the Owner and the Construction Manager. No time extensions will be granted for a delay unless the delay impacts the Project critical path as shown in the updated Project schedule most recently submitted to the Owner prior to the event, consumes all available float or contingency time, and extends the Work beyond the then current Contract completion date(s).

ARTICLE 12 WALK-THROUGH

12.1 After the "Work Order" is issued but before Work by the Construction Manager is started, a walk-through of the area is required to document the condition of the space, surfaces, or equipment. It is the responsibility of the Construction Manager to schedule the walk-through with the Owner's Project Manager, the Consultant, and other interested parties.

12.2 During the walk-through, Construction Manager shall identify all damaged surfaces or other defective items that exist prior to construction.

12.3 The walk-through shall be attended by Owner's Project Manager, a Representative of the user of the facility, the Construction Manager and the Consultant

12.4 Written documentation of the walk-through is to be provided by the Consultant with copies distributed to all parties. Digital photos will be provided as needed to fully

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document found conditions. All parties attending the walk-through agree on the list of damages.

ARTICLE 13 OWNER’S CONSTRUCTION REPRESENTATIVE

The Owner and Consultant may have personnel or representatives on this job that are to have access to the Construction Manager’s field office and reasonable office accommodations including a work area, internet, seating, and basic utilities.

ARTICLE 14 FIELD OFFICE

14.1 Construction Manager shall make his own provision for field office for his own personnel and for incidental use by their Subcontractors. Quantity and location are subject to approval of the Consultant and the Owner's Project Manager.

ARTICLE 15 TELEPHONE SERVICE

15.1 Construction Manager shall arrange through UKIT Communications and Network Systems for installation of on-site phone, internet, and other communications services. Telephone service during the length of construction shall be paid for by the Construction Manager. (Cell phone service in lieu of UKIT Communications and Network Systems phone service may be utilized at Construction Manager’s option.)

ARTICLE 16 CONSTRUCTION FENCE

16.1 Construction fencing will be designed and erected around job sites where there is a possibility of injury to employees, students or the public. Special precautions must be taken to protect the visually impaired, disabled, children and others using the University facilities. During active excavation/trenching operations, fencing shall be erected to prevent unauthorized entry into the site. All fencing shall comply with the current requirements of the International Building Code except where the following requirements are more stringent.

16.1.1 All job site perimeter fencing within 5 feet of a walkway, street, plot line, or public right-of-way shall be 8 feet in height. Perimeter fencing that blocks sidewalks must include signs directing pedestrians to a safe walkway or crosswalk. Contractor shall also provide fencing to protect significant trees that are located on site (See article 56 for additional tree protection requirements).

Signage may be attached to the fence but may also be required to inform pedestrians of sidewalk closures and detours prior to arriving at the closed area. Construction Manager shall provide electrical pedestrian and general lighting along the top rail of the perimeter of the construction site fence to provide a minimum illumination level of 1.5 foot candles. Pedestrian and perimeter fence lighting shall be installed in conduit, raceway, and/or

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pathway system properly supported to the perimeter fence. Open or flexible cabling will not be acceptable.

16.1.2 All job site perimeter fencing more than 5 feet from a walkway, street, plot line, or public right-of-way shall be a minimum of 6 feet in height unless International Building Code requirements are more restrictive due to the height of the structure and setback.

16.1.3 All fencing shall be of a woven material such as chain link or a solid type fence. Fencing shall include gates required for construction operations. Gates shall be lockable with both the Construction Manager's lock, and a lock provided by the Owner. Lock by Owner shall be keyed for the University Best GA key core. All locks to be “daisy-chained” to provide access to the Owner.

16.1.4 It shall be the Construction Manager’s responsibility to determine the proper quality of materials and methods of installation of the fencing, with the understanding that it must be maintained in good condition, good appearance, rigid, plumb, and safe throughout the construction period. The fence does not have to be new material. The fence is to be erected on fence posts securely anchored in the ground. Provide a top bar or, with prior approval of the Owner, a wire shall be run through the top of the fence and attached to the end posts. A tension control device shall be installed as necessary. Use of sandbags, concrete weights, stakes, etc. to hold fence posts in place are not allowed. Penetrations in pavement or landscape walking surfaces may not be made without the approval of the Owner. Any damage caused by the fence installation shall be repaired in a manner satisfactory to the Owner. When fencing is to remain in place for 6 months or more a green fabric mesh must be provided for the full height and length of the fence. Fabric should be omitted for one section of fencing where blind corners occur or at pedestrian/vehicle intersections.

16.1.5 The Construction Manager shall be responsible for removing and replacing any fence sections and/or posts necessary for access to the site daily. The Construction Manager shall police such conditions to assure the fence and posts are reset in a timely manner and are specifically in place at the close of the working day.

16.1.6 If the Construction Manager fails to comply with the requirements of this Article 16, the Owner may proceed to have the work done and the Construction Manager shall be charged for the cost of the Work done by unilateral deductive change order.

16.1.7 Plastic construction fencing is not acceptable as a perimeter protection fence.

ARTICLE 17 PROJECT SIGN

17.1 The Construction Manager shall furnish, install, and maintain a Project sign during this Project. This sign shall be 4' x 8' x 3/4" exterior grade plywood mounted on 4"

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x 4" posts. Design shall be as provided by the Owner at a later date and shall include the name of the Owner, Project, Consultant, and Construction Manager.

17.2 No signs, except those attached to vehicles or equipment, may be displayed without permission from the Consultant and the Owner's Project Manager. No political signs will be permitted.

ARTICLE 18 PARKING

18.1 The University of Kentucky will make available for purchase by the Construction Manager of up to four (4) parking permits. The category of parking permit and location of parking is determined by the Director, Parking and Transportation Services, or a designee. Parking permits may be purchased by the Construction Manager to be used by the Construction Manager and/or the Construction Manager's subcontractors and employees during the construction period. The cost of each permit is based on the pro-rata annual cost and may be purchased from Parking Services, 721 Press Avenue, after the Contract is executed. Necessary documents required to purchase the passes will be available at the Pre-Construction Conference.

18.2 The Director, Parking and Transportation Services, or a designee will determine if parking is available for employees of the Construction Manager and subcontractors in the K lots at Commonwealth Stadium or elsewhere on Campus. The Construction Manager will be given thirty (30) days' notice should conditions change that will affect parking at the designated parking area and it is necessary to relocate parking or terminate parking privileges. If parking is available, permits may be purchased from Parking Services, 721 Press Avenue at the appropriate monthly cost.

ARTICLE 19 SANITARY FACILITIES

19.1 At the beginning of the Project, before any Work is started, the Construction Manager shall furnish, install, and maintain ample sanitary facilities for the workforce. Permanent toilets in the existing building shall not be used during construction of the Project. Drinking water shall be provided from an approved safe source, piped or transported as to be kept clean and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing governing health regulations.

ARTICLE 20 RULES OF MEASUREMENT

20.1 Rules of Measurement shall be established by the Consultant in the field. Actual measurement shall be taken in the field. These amounts shall become binding upon the Construction Manager and be adjusted as before mentioned.

20.2 The Construction Manager shall pay for and coordinate through the Consultant and/or the Owner's Project Manager all associated Work by utility companies including

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relocation of utility poles, installation of new street lights, relocation of overhead or underground lines, and any other Work called for on the Plans and in the Specifications.

ARTICLE 21 ALLOWANCES

21.1 As stated in the General Conditions to the Contract, the Construction Manager shall have included in the Contract Amount all costs necessary to complete the Work. Costs based on “allowances” shall be permitted only for objectively quantifiable items and only with the prior written approval of the Owner. No allowances shall have been included in the calculation of the Construction Manager’s fixed fee quotation in par. 8.0 of the RFP.

21.2 Costs based on allowances may be included in Subcontract bid packages only with the prior written approval of the Owner, and only for objectively quantifiable material items.

21.3 Any allowance amounts included in a Subcontract bid package, but not expended for the approved task during the course of the work of that Subcontract, shall be deducted from the Construction Manager’s contract by Change Order. Any additional amounts necessary to pay for additional cost of an allowance in a Subcontract bid package shall be funded from the Construction Contingency Fund.

21.4 The University of Kentucky has entered into a price contract agreement with Johnson Controls for procurement of fire alarm and security systems. Johnson Controls will provide an allowance for this project which may include Fire Alarm Equipment and Security Equipment, including all required cable/wire, labor to install cable and wire and terminations of Johnson Controls supplied devices and panels. Johnson Controls will be a sub-contractor under a trade contract.

21.4.1 The Construction Manager shall include an allowance of \$_____TBD_____ for the work by Johnson Controls in the appropriate trade contractor’s scope of work.

21.4.2 The electrical contractor is to provide and install conduits and back boxes/junction boxes. All conduits will include a pull string. Johnson Controls will furnish and install all fire alarm and security equipment and wiring.

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ARTICLE 22 CONSTRUCTION CONTINGENCY FUNDS

22.1 The Owner shall include an amount in the Project construction budget not to exceed one percent (1%) of the total cost of the construction, including the Construction Manager's fixed fee, as a Construction Contingency Fund. The following are general / typical categories of changes to the Work that may, with the Owner's prior written specific approval, be funded from this source:

22.1.1 Reasonable errors & omissions in the Construction Manager's bidding and scoping processes;

22.1.2 Reasonable costs associated with schedule recovery that is not a direct result of the construction managers or a trade contractor's failure to perform;

22.1.3. Any costs or expenses incurred by the Construction Manager, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with the Contract for Construction and the best interests of Owner, that were not included in the Construction Manager's General Conditions Cost as submitted in the original fee proposal

22.1.4 Amounts necessary to fund cost overruns in approved allowance items within Subcontract bid packages, as described in Article 21.3, above.

ARTICLE 23 SEQUENCE OF CONSTRUCTION

23.1 **Details on construction sequencing are TBD.**

23.2 All materials and equipment are to be brought into the project site from the approved staging location and are not to be brought through the existing buildings or loading docks. Any and **all** exceptions shall be approved by, and closely coordinated with, the Owner's Project Manager in advance of scheduling or performing the work.

23.2.1 The Construction Manager shall coordinate any road and sidewalk closings, utility disruptions, etc. which will affect the use of the existing building(s) with the Owner's Project Manager prior to commencing that Work.

23.3 The adjacent buildings and public areas will remain in use and the Owner shall have access to the existing building(s) throughout the duration of the Project. The Construction Manager shall coordinate construction activity to assure the safety of those who must cross the Project site and shall provide and maintain the necessary barriers and accommodations for a completely safe route of accessibility. The Construction Manager is to ensure that all exits provide for free and unobstructed egress. If exits must be blocked, then prior arrangements must be made with the Owner's Project Manager.

23.4 The Construction Manager shall cooperate with the Owner in minimizing inconvenience to, or interference with normal use of existing buildings and grounds by

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staff, students, other Contractors, or the public. Construction Manager shall conduct operations to prevent damage to adjacent building structures and other facilities and in such a manner to protect the safety of building's occupants.

23.5 Special effort shall be made by the Construction Manager to prevent any employee from entering existing buildings for reasons except construction business. Use of toilets, drinking fountains, vending machines, etc. is strictly prohibited.

ARTICLE 24 CRANE & MATERIAL HOIST OPERATIONS

24.1 Construction Manager shall provide appropriate barriers around crane and material hoist to protect pedestrian and vehicular traffic around operating area. When crane is operating or moving, flag men provided by Construction Manager shall be utilized to prevent pedestrian and vehicular traffic from crossing pathway of crane lift. Construction Manager's flag men shall coordinate these activities with the appropriate security personnel.

24.2 Crane and material hoist shall be safely secured and inaccessible during non-operating hours. Construction Manager shall coordinate operation or erection of a crane or material hoist in the vicinity of the Medical Center with Medical Center Aeromedical Operations (Med-evac helicopter).

24.3 Any damage to trees, shrubs or plant material at the placement of crane or material hoist shall be repaired by tree surgery or replaced as directed by Consultant.

ARTICLE 25 UTILITIES

25.1 When the various building systems are energized and connected to Owner's utility systems, but prior to turnover to and occupancy by the Owner, the Construction Manager is responsible to reimburse the Owner for Owner furnished utilities. These utilities include but not limited to steam, chilled water, domestic water, and electricity, provided by the Owner up to the date of Substantial Completion. Reimbursement will be payable monthly via a deductive change order to the contract. Unit costs for campus are as follows:

25.1.1 Steam is \$17.00/million BTU (1000 lb.) condensate measured through the building condensate meter (all condensate is to be returned).

25.1.2 Chilled Water is \$16.25/million BTU (1000 lb.) measured through the building BTU meter.

25.1.3 Electricity is \$0.105/KWH measured through the building electric meter.

25.1.4 Water is supplied by Kentucky American Water Company (KAWC). Construction Manager shall pay KAWC directly until the Owner's beneficial occupancy date. The Construction Manager shall pay KAWC directly for fire service.

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25.1.5 Construction Manager shall furnish gas meter and Columbia Gas Company directly for service until the until the Owner's beneficial occupancy date.

25.1.6 Construction Manager shall obtain from and pay UKIT Communications and Network Systems for the use of telephone services.

25.2 UTILITY OUTAGES

25.2.1 Interruption of Utilities and Services: No utilities or services may be interrupted without full consent and prior scheduling of the Owner. Owner approval is required in writing for each disruption.

25.2.1.1 ENTIRE BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of an entire building or group of buildings shall be three weeks written notice. The written notice shall include the type of utility to be interrupted, reason for outage, length of outage, what will be affected by the outage, and a statement of whether or not the materials are on hand to complete the Work. If a specific time is desired for the outage it should be included. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time, Work shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

25.2.1.2 SECTION OF A BUILDING OUTAGE. The Owner's Project Manager is the Construction Manager's contact with the University for requesting Utility Outages. The Owner's Project Manager will contact the proper departments and divisions within the University and receive approval from those units prior to allowing a planned outage to occur. The established standard within the University Departments and Divisions of a section of a building shall be a written request one week prior to outage. The written request shall include the type of utility to be interrupted, when the outage is desired, reason for outage, length of outage, and what will be affected by the outage. The Owner's Project Manager will ensure that all parties affected are contacted and that a time which is least disruptive to all parties is selected. At the appointed outage time Work shall begin and proceed continuously with all required manpower until Work is complete at no added cost to the University. The Owner's Project Manager will then notify all affected departments or divisions.

ARTICLE 26 CLEANING AND TRASH REMOVAL

26.1 The Construction Manager shall keep clean the entire area of new construction and shall keep streets used as access to and from the site free of mud and debris.

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26.2 All exit ways, walks, drives, grass areas, and landscaping must be kept free from debris, materials, tools, and vehicles at all times. Trim weeds and grass within the site area.

26.3 Upon completion of the Work, Construction Manager shall thoroughly clean and re-sod grass areas damaged to match existing areas.

26.4 All utility markings are to be made with water based marking paint with low Volatile Organic Compounds (VOC's) and high solids.

26.5 Upon Completion of the project, buried utility paint markings sprayed on walks and hardscapes are to be removed by non-destructive means such as pressure washing. Do not use chemicals. If a washed area is noticeable, the entire surface must be washed and or blended to match surrounding areas.

26.6 The Construction Manager shall be responsible for removal from the site of all liquid waste or other waste (i.e., hazardous, toxic, etc.) that requires special handling daily.

26.7 Dumpsters will be provided and maintained by the Construction Manager.

26.8 During Work at the Project site, the Construction Manager shall clean and protect Work in progress and adjoining Work on a continuing basis. Construction Manager shall apply suitable protective covering on newly installed Work where needed to prevent damage or deterioration until the time of Substantial Completion. Construction Manager shall clean and perform maintenance on newly installed Work as frequently as necessary through remainder of construction period.

26.9 The Construction Manager shall be responsible for daily cleaning of spillage's and debris resulting from his and his Subcontractor's operations, (includes removal of dust and debris from wall cavities), and for providing closed, tight fitting (dustproof if required), waste receptacles to transport construction debris from the work area to the dumpster. Broom clean all floors no less than once a week. The Construction Manager shall empty such receptacles into the trash container when full or when directed to be emptied by the Consultant and/or Owner's Project Manager, but not less than weekly. The use of the Owner's waste and trash receptacles is strictly prohibited, except as otherwise provided by the Project specifications.

26.10 Failure to comply with the above requirements shall be cause for stopping work until the condition is corrected.

ARTICLE 27 BLASTING

27.1 There shall be no blasting under any conditions on University of Kentucky property unless specified in these Special Conditions.

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ARTICLE 28 CUTTING AND PATCHING - NEW AND EXISTING WORK

28.1 New Work - Cutting and patching shall be done by craftsmen skilled and experienced in the trade or craft that installed or furnished the original Work. Repairs shall be equal in quality and appearance to similar adjacent Work and shall not be obviously apparent as a patch or repair. Work that cannot be satisfactorily repaired shall be removed and replaced.

28.2 Existing Construction - Refer to Architectural, Mechanical, and Electrical drawings for cutting and patching. All new Work shall be connected to the existing construction in a neat and workmanlike manner, presenting a minimum of contrast between old and new Work. Do all patching of the existing construction as may be required for the new construction to be completed. Necessary patching, closing of existing openings, repairing, and touching up shall be included as required for a proper, neat, and workmanlike finished appearance. Any existing item that is to remain and is damaged during construction shall be replaced at the Construction Manager's expense.

ARTICLE 29 UNRELATED PROJECTS

29.1 Unrelated construction projects may be under way in the vicinity of this Project or the site utility work during the Work related to this Project. The Construction Manager for this Project must coordinate with any other contractors regarding overlapping areas. See Article 42 - Separate Contracts of the General Conditions.

ARTICLE 30 OWNER SUPPLIED MATERIALS (Not Used)

ARTICLE 31 REMOVED ITEMS

31.1 The following is a list of items to be turned over to the Owner by the Construction Manager after removal by the Construction Manager. If there are additional items listed in the drawings to be turned over to the Owner, but not listed here, it shall be construed as being listed here.

1. **TBD**

31.2 All items which are identified to be turned over to the Owner must be treated with the utmost of care and protected from damage during removal and transport.

31.3 Materials to be turned over to the Owner by the Construction Manager shall be delivered to a warehouse within a five (5) mile radius of the Project site.

ARTICLE 32 INTERIOR ENCLOSURE AND DUST ENCAPSULATION

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32.1 Areas under construction or renovation shall be separated from occupied areas by suitable temporary enclosures furnished, erected, and maintained by the Construction Manager. Temporary enclosures shall be dust and smoke tight and constructed of non-combustible materials to prohibit dirt and air borne dust from entering occupied spaces. Construction Manager to review with Consultant ways to provide ventilation for dust generated by demolition and fumes/vapors produced during installation of new materials.

32.2 Construction Manager is responsible for coordinating with the Owner's Project Manager any equipment to be turned off prior to erecting temporary enclosures.

32.3 Construction Manager shall protect all exhaust diffusers, equipment, and electrical devices from the collection of dust. All areas shall be checked and cleaned prior to final acceptance of Work.

32.4 Dust and debris from Work operations shall be held to a minimum.

32.5 Construction Manager shall construct temporary dust partitions at locations and as detailed on drawings. Closures used for dust barricades shall be constructed of non-combustible materials, (metal studs and gypsum board or fire retardant plywood).

32.6 Construction Manager shall provide additional devices and materials as required to contain dust within Work area and protect personnel during course of Work.

32.7 Areas of minor renovation, consisting of the removal of doors and frames, blocking of openings, and other limited Work shall be separated by a dust partition of fire retarded polyethylene on studs.

32.8 Existing corridor doors may serve as dust barriers, except if removed for refinishing. In such cases, temporary wood doors must be substituted until original doors are replaced.

32.9 The Construction Manager may assume existing walls which extend full height of floor shall be deemed appropriate to contain air borne dust. Cover any voids or penetrations.

32.10 Doors or windows in the perimeter walls surrounding the project work area shall be sealed off with protective materials in a manner to prohibit dust from escaping the work area. These shall be left in place until all work creating dust is completed. Protective materials shall consist of fire retardant wood, metal studs, gypsum board or flame resistant plastic.

32.11 Entry passage to Work area shall be sealed off with zippered plastic opening, or other acceptable means which allows periodic entry and closure of barricade closure.

32.12 Install and maintain a "sticky mat" on the floor in locations where construction crews leave the construction area and prior to entering ANY existing space in the building.

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32.13 Install and maintain a temporary floor covering in any and all elevators being utilized for this project.

ARTICLE 33 UKIT COMMUNICATIONS AND NETWORK SYSTEMS

33.1 The communications wiring is to be provided, installed, and terminated by the Construction Manager using a certified and approved communications contractor. All work shall be done in compliance with the latest UKIT-Communications and Network Systems' Standards, and closely coordinated with UKIT-Communications and Network Systems.

ARTICLE 34 EMERGENCY VEHICLE ACCESS

34.1 Emergency Vehicle Access must be maintained during construction. The Construction Manager shall coordinate with the local Fire and Emergency Medical Services department(s) that would respond to an emergency during the initial start up of construction to ensure a complete understanding of their requirements.

ARTICLE 35 SMOKE DETECTORS / FIRE ALARM SYSTEMS- EXISTING AND/OR NEW FACILITIES

35.1 Construction Manager shall protect all smoke detectors in Work areas to prevent false alarms. The Construction Manager will be responsible for any false alarm caused by dust created in their Work areas or dust traveling to areas beyond the Work, past inadequate protection barriers. If there is a need for an existing or newly installed fire alarm system or parts of that system to be serviced, turned off, or disconnected, prior approval must be obtained from the Owner's Project Manager and notification given to the Campus Dispatch Office. The Construction Manager must follow the procedure outlined for Utility Outages and any documented costs charged by the responding fire department due to a false alarm shall be paid by the Construction Manager. As soon as all Work is completed notification must be given to the Owner's Project Manager and to the Campus Dispatch Office prior to reactivation of the system. Prior to Final Payment to the Construction Manager, all protected smoke detectors will be uncovered and tested.

35.2.1 When any fire alarm, detection or suppression system is impaired, a temporary system shall be provided. Construction Manager shall provide daily reports indicating the Superintendent has walked through the project at the end of each work period, to satisfy himself there are no present conditions that may result in an accidental fire. Portable fire extinguishers shall be on site during this time. The Construction Manager is responsible for inspecting and testing any temporary systems monthly.

ARTICLE 36 SURVEYS, RECORDS, and REPORTS

36.1 General: Working from lines and levels established by property survey, and as shown in relation to the Work, the Construction Manager will establish and maintain

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benchmarks and other dependable markers to set lines and levels for Work at each area of construction and elsewhere on site as needed to properly locate each element of the entire Project. The Construction Manager shall calculate and measure from the benchmarks and dependable markers required dimensions as shown (within recognized tolerances if not otherwise indicated), and shall not scale drawings to determine dimensions. Construction Manager shall advise Sub-contractors performing Work of marked lines and levels provided for their use in layout of Work.

36.2 Survey Procedures: The Construction Manager shall verify layout information shown on drawings, as required for his own Work. As Work proceeds, surveyor shall check every major element for line, level, and plumb (as applicable), and maintain an accurate Surveyor's log or Record Book of such checks available for Construction Manager or Design Consultant's reference at reasonable times. Surveyor shall record deviations from required lines and levels, and advise Design Consultant or Construction Manager promptly upon detection of deviations exceeding indicated or recognized tolerances. The Construction Manager shall record deviations which are accepted (not corrected) on Record Drawings.

ARTICLE 37 SMOKING IS PROHIBITED

37.1 For areas located within Fayette County, Kentucky, the use of all tobacco products is prohibited on all property that is owned, operated, leased, occupied, or controlled by the University. This includes the use of smokeless/vaping products. "Property" for purposes of this paragraph includes buildings and structures, grounds, parking structures, enclosed bridges and walkways, sidewalks, parking lots, and vehicles, as well as personal vehicles in these areas. To view the Lexington campus boundaries: <http://www.uky.edu/TobaccoFree/files/map.pdf>.

37.2 For areas not located within Fayette County, Kentucky, smoking is prohibited in all owned, operated, leased, or controlled University buildings and structures, parking structures, enclosed bridges and walkways, and vehicles. Smoking is also prohibited outside buildings and structures within 20 feet of entrances, exits, air intakes, and windows, unless further restricted by division policy.

37.3 Construction Manager's employees violating this prohibition will be subject to dismissal from the Project.

37.4 For the full Administrative Regulation see University AR 6:5. <http://www.uky.edu/Regs/files/ar/ar6-5.pdf>

ARTICLE 38 ALTERNATES

38.1 Alternate(s) will be accepted in the sequence of the Alternates listed on the Bid Form, and the lowest Bid Sum will be computed on the basis of the sum of the base Bid and any alternates accepted, within the budgeted amount.

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38.2 Schedule of Alternates:

TBD

ARTICLE 39 FIELD CONSTRUCTED SAMPLE PANEL

39.1 Exterior Finishes

39.1.1 After sample selection but prior to ordering exterior finish materials, Construction Manager shall accumulate enough material samples to erect sample wall panels to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction including sample masonry units (face and back-up wythes, plus accessories), window units, roofing finish, etc. to provide a complete representation of the exterior facade for approval by the Consultant; build mock-ups to comply with the following requirements:

39.1.2 Build sample panels well in advance of the time the finish materials will be needed for inclusion in the Work.

39.1.3 Locate mock-ups at location as reviewed and approved by the Architect and University's Project Manager, generally within 10 feet of existing building, parallel to existing face of building, and exposed to sunlight during daylight hours. Mock-Up to be reviewed twice, one in direct sunlight and one in shade to confirm color characteristics of samples.

39.1.4 Mock-ups Size(s) for the following types shall be approximately 6' long by 4' high by full thickness.

Each type of exposed Work.

39.1.5 Protect mock-ups from the elements with weather resistant membrane.

39.1.6 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, demolish mock-ups and remove from the site.

39.2 Interior Finishes

39.2.1 After sample selection but prior to ordering interior finish materials, Construction Manager shall accumulate enough material samples to erect sample to further verify selection made for color and textural characteristics, and to represent completed Work for qualities of appearance, materials and construction; include samples of interior finishes, including paint, wood stain, vinyl wallcovering, flooring and ceiling materials to provide a complete representation for approval by the Consultant; build mock-ups to comply with the following requirements:

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39.2.2 Build mock-ups well in advance of the time the finish materials will be needed for inclusion in the Work. Mock-ups may be on newly installed wall surfaces.

39.2.3 Locate mock-ups with adequate illumination for observation under intended light levels.

39.2.4 Retain mock-ups during construction as a standard for judging completed Work. When directed by the University's Project Manager or by the Consultant, remove mock-ups from site or incorporate into the completed work.

ARTICLE 40 PROJECT COORDINATION VIA COMPUTER

40.1 The Construction Manager and Subcontractors are required to have an active email account to facilitate coordination of the project during construction and warranty.

40.2 To facilitate project construction coordination between the Consultant, the Construction Manager, Subcontractors, and the University of Kentucky as the Owner, UK Capital Project Management Division (CPMD) is hosting an Internet/ Web-based Project Management System (WPMS) to help improve project communication and collaboration. The Consultant shall participate in the use of the WPMS (UK E-Communication® or other system at the Owner's discretion) providing collaboration between Owner, the Consultant and selected contractors.

40.2.1 Owner shall provide the Construction Manager and Subcontractors with user accounts and appropriate training for the web-based project management tool.

40.2.2 Utilization of, and training in the use of, the WPMS will be arranged for and supervised by Owner.

40.2.3 Participation of Construction Manager is mandatory; others as determined by Owner. Participation of Subcontractors and/or Trade Contractors is not mandatory but will be offered at their discretion.

40.2.4 All participants are required to have access to the internet and the Microsoft Internet Explorer browser (version 5.0 or higher). A broadband connection to the internet (e.g. Cable modem, ISDN, DSL) is recommended, but not required.

40.2.5 The WPMS shall be utilized for the following functions, as a minimum: Posting Project Files, AE Amendments, Architect's Supplemental Information (ASI's), Closeouts, Consultant Invoices, Contracts, Defective Work in Place, Meeting Minutes, Payment Applications, Proposed Change Orders – Change Orders (PCO to CO's), Punch Lists, Reports (Contractor Daily Reports, Field Reports, Commissioning Reports), RFIs, SAP Equipment List, Schedules, and Submittals. The Document Library (Bid set Plans, Specifications and Addenda will be uploaded by Lynn Imaging.

40.2.6 Site camera monitors may be included at Owner's discretion.

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40.2.7 Utilization of the WPMS shall be implemented by the Owner’s representative.

40.2.8 Use of the system will provide consistent, real-time information for decision making. Additionally, all project data entered into the system will be archived to facilitate project record keeping. It is anticipated that proper use of the WPMS will improve efficiency of communications and reduce project related paperwork and clerical workload.

40.2.9 The Construction Manager and Consultant shall submit complete close-out and submittal logs in E-Communication, or WPMS, including description of all deliverables to be submitted by the construction manager or trade contractors during Phase 3, Construction Documents Phase.

ARTICLE 41 HOT WORK PERMITS

41.1 All work involving open flames or producing heat and or sparks in occupied buildings on the University of Kentucky campus will require the Construction Manager to obtain approval to perform “Hot Work” on site. This includes, but is not limited to: Brazing, Cutting, Grinding, Soldering, Thawing Pipe, Torch Applied Roofing, and Cad welding. A copy of the Hot Work Permit and the Hot Work Permit Procedure will be passed out at the Preconstruction Conference for the Construction Manager’s use.

ARTICLE 42 INSURANCE

42.1 Employers' Liability Insurance. The Construction Manager shall acquire and maintain Employers’ Liability insurance with at least \$500,000/\$500,000/\$500,000 limits of liability for all employees who will be working at the Project site.

42.2.1 Commercial General Liability Insurance. If the work involved requires the use of helicopters, a separate aviation liability policy with limits of liability of \$100,000,000 will be required. If cranes and rigging are involved, a separate inland marine policy with liability limits of \$10,000,000 will be required.

42.2.1.1 The limits of liability shall not be less than \$5,000,000 each occurrence combined single limits for bodily injury and property damage.

42.2.2 Comprehensive Automobile Liability Insurance. Policy limits shall not be less than \$2,000,000 for combined single limits for bodily injury and property damage for each occurrence.

42.2.3 Umbrella Liability Insurance. This policy shall have a minimum of \$1,000,000 combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary policies.

42.2.4 Workers’ Compensation- Statutory Requirements (Kentucky)

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ARTICLE 43 KEY ACCESS

43.1 If Construction Cores are NOT utilized, then one set of keys for access to the renovation project area will be provided to the Construction Manager/Vendor's Project Manager/Superintendent by the University's Project Manager. The Construction Manager/Vendor's holder of the key(s) assumes responsibility for the safekeeping of the key(s) and its use. When leaving the renovation area all doors must be secured.

43.2 All keys must be returned to the University's Project Manager upon completion of project work as one of the requirements for Final Payment. Failure to return the keys may require re-keying of all doors in the work area up to and including the entire building if master keys are issued. The cost of re-keying of the door(s) accessed by the key(s) will be subtracted from the remaining contract dollars including contract retainage.

43.3 All lost or stolen keys must be reported immediately to the University's Project Manager.

ARTICLE 44 CEILING CLEARANCE

44.1 Work above ceiling: All work above an area with lay-in ceiling must be coordinated and installed so there is a minimum of 4" between the top of the ceiling grid runners and bottom of the installation. Installation shall not obstruct equipment access space or equipment removal space. Also, conduit and pipe attached to the wall must be above the 4" minimum level.

44.2 Coordination Between Trades: Request and examine all drawings and specifications pertaining to the construction before installing above ceiling work. Cooperate with all other contractors in locating piping, ductwork, conduit, openings, chases, and equipment in order to avoid conflict with any other contractor's work. Give special attention to points where ducts or piping must cross other ducts and piping, and where ducts, piping and conduit must fur into the walls and columns. Make known to other trades intended positioning of materials and intended order of work. Determine intended position of work of other trades and intended order of installation.

ARTICLE 45 METAL ANCHORS

45.1 All anchoring devices utilized to secure materials to the building shall be metal. Plastic or plastic expansion components shall not be used. This shall include all fasteners for mechanical/electrical hangers.

ARTICLE 46 LOADING DOCK (NOT USED)

ARTICLE 47 CONSTRUCTION PATH (NOT USED)

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ARTICLE 48 HOSPITAL PROJECT PROCEDURE (NOT USED)

ARTICLE 49 WORKING HOURS/ACCESS: FOR MEDICAL CENTER/HOSPITAL (NOT USED)

ARTICLE 50 SECURITY BADGES AND MEDICAL CENTER SECURITY (NOT USED)

ARTICLE 51 HOSPITAL CONSTRUCTION CERTIFICATION (NOT USED)

ARTICLE 52 APPEARANCE (NOT USED)

ARTICLE 53 HIPAA (The Health Insurance Portability and Accountability Act) (NOT USED)

ARTICLE 54 SAFETY & FIRE PROCEDURES (NOT USED)

ARTICLE 55 INTERIM LIFE SAFETY MEASURES (ILSM) (NOT USED)

ARTICLE 56 TREE PROTECTION STANDARDS

Contractor will adhere to all provisions outlined in 010000S02 Tree Protection Standards.

ARTICLE 57 CONTRACTOR/SUPERINTENDENT EXPERIENCE

57.1 For those projects impacting patient care the Construction Manager and Superintendent are required to have a minimum of five (5) years of construction experience in the past 10 years with projects involving patient care areas.

ARTICLE 58 COVID-19 POLICY

Any and all companies/organizations working on the University of Kentucky's campus shall have in place for the period of the contract a COVID-19 policy that is consistent with the University of Kentucky's current COVID-19 policy.

**UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION**

PERFORMANCE BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the “Owner”) and _____ (the “Principal”) have entered into a contract for the construction of Project #2591.1 Construction Management Services to Renew/Modernize Charles E. Barnhart Building. (the “Project”), with the contract price or amount of _____

WHEREAS, the Principal is required to furnish a performance bond for the faithful performance of the contract in an amount equal to one hundred percent (100%) of the contract price or amount as it may be increased, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, _____ (the “Surety”), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations:** The recitals above are true and substantive parts of this instrument.
2. **Definitions:** The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Contract** means that certain agreement dated _____, for the construction of Project #2591.1 Construction Management Services to Renew/Modernize Charles E. Barnhart Building. (the “Project”), all documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).
 - (c) **Contract Change** means any change order, change of time, extensions of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.

3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, for the full and faithful performance of the Contract and any Contract Changes. The Principal and Surety likewise guarantee the faithful performance of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is _____, which shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety's obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term thereof, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) well, truly, and faithfully performs its duties to the Owner; (b) performs the Contract; (c) satisfies all claims and demands incurred under the Contract; (d) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal's failure to do so; and (e) reimburses and repays the Owner all such expenses and outlay, without limitation, which the Owner may incur in making good any default. The Bond will otherwise remain in full force and effect.
6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.
7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of [DATE].

ATTEST:

WITNESSES:

Construction Manager

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:

WITNESSES:

Surety

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

**UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION**

PAYMENT BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the University of Kentucky (the “Owner”) and _____ (the “Principal”) have entered into a contract for the construction Project #2591.1 Construction Management Services to Renew/Modernize Charles E. Barnhart Building. (the “Project”), with the contract price or amount of _____

WHEREAS, the Principal is required to furnish a payment bond for the protection of all persons performing, supplying, or furnishing labor, materials, equipment, or supplies to the contractor or its subcontractors for the performance of the work provided for in the contract, including security for payment of all unemployment contributions which become due and payable under Kentucky unemployment insurance law, in an amount equal to one hundred percent (100%) of the original contract price or amount, executed by a surety company authorized to do business in the Commonwealth of Kentucky, and satisfactory to the Commonwealth; and

WHEREAS, _____ (the “Surety”), a surety company authorized to do business in the Commonwealth of Kentucky, has agreed to issue such bond.

NOW, THEREFORE, for the value received and intending to be legally bound hereby, the Principal and Surety agree to the following terms and conditions of this obligation:

1. **Recitations:** The recitals above are true and substantive parts of this instrument.
2. **Definitions:** The following terms are defined for the purposes of this instrument:
 - (a) **Bond** means this instrument and the terms and conditions of the Contract (as defined herein), both express and implied, which are incorporated herein by reference and constitute a part of this instrument to the same extent and effect as though copied verbatim herein, and are legally binding on the Principal and Surety including the obligations of the Surety provided therein.
 - (b) **Claimants** means all persons having just and lawful claims for (i) labor, materials, services, insurance, supplies, machinery, equipment, rentals, fuels, oils, implements, tools, appliances, and any other items of whatever nature, furnished for, used or consumed in the prosecution of the work called for by the Contract, whether lienable or non-lienable and whether or not permanently incorporated in said work; (ii) pension, welfare, vacation, and other supplemental employee benefit contributions payable under collective bargaining agreements with respect to persons employed upon said work; and (iii) federal, state, and local taxes and contributions required by law to be withheld and paid with respect to the employment of persons upon said work.

- (c) **Contract** means that certain agreement dated _____ for the construction of Project #2591.1 Construction Management Services to Renew/Modernize Charles E. Barnhart Building. (the “Project”), all documents that comprise the agreement, any documents incorporated therein by reference, and any Contract Changes (as defined herein).
- (d) **Contract Change** means any change order, change of time, extension of time, amendment, modification, addition, or other alteration, material or otherwise, to the Contract, the contract price or amount, the work to be performed under the Contract, or the specifications accompanying same.
3. **Guaranty:** The Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner, as obligee of the Bond, to pay all Claimants having just and lawful claims (as defined above). The Principal and Surety likewise guarantee the faithful payment of the prevailing hourly wage as set forth in the schedule incorporated into the bid documents unless the Project is exempt from the prevailing wage requirements of KRS 337.505 through 337.550.
4. **Bond Amount:** The bond amount is _____, which shall be increased automatically by Contract Changes to the contract price or amount and shall not limit the Surety’s obligation or liability under the Bond for paying attorney fees, costs, or other legal expenses incurred by the Owner, which may be in excess of the bond amount as increased.
5. **Defeasance:** Except as provided by the Contract, the Principal and Surety shall have no obligations under the Bond if the Principal during the original term of the Contract, any extensions thereof which may be granted by the Owner with or without notice to the Surety, the guaranty period, the warranty period, and other periods limited only by statutes of limitation (a) promptly pays all Claimants; (b) satisfies all claims and demands incurred under the Contract; and (c) fully indemnifies and saves harmless the Owner from all costs, damages, attorney fees, consultant fees, and other expenses that it may suffer by reason of the Principal’s failure to do so. The Bond will otherwise remain in full force and effect.
6. **Amendment:** The Bond, including without limitation the Bond Amount, will be deemed amended, automatically and immediately without separate or written amendments hereto, upon any Contract Changes. The Principal and Surety agree to be bound by any Contract Changes. The Surety waives notice of any Contract Changes.
7. **Interpretation:** The Bond will be interpreted and enforced in accordance with Kentucky law. The Principal and Surety agree that they have taken part in drafting the Bond, which will not be construed against or in favor of any other party on the basis of drafting. To the extent that this instrument contradicts the Contract, the Contract will control.
8. **Beneficiaries:** The Principal and Surety agree that (a) the Bond will insure to the benefit of the Owner and all Claimants having just and lawful claims (as defined above) (collectively the “Beneficiaries”), whether or not they have any direct contractual relationship with the Principal; (b) the Beneficiaries may maintain independent actions upon this Bond in their own names; and (c) no final settlement between the Owner and Principal will abridge the right of other Beneficiaries with unsatisfied claims.

IN WITNESS WHEREOF, the Principal and Surety, by their duly authorized representatives, have executed this instrument, which is effective as of _____.

ATTEST:

WITNESSES:

CONSTRUCTION MANAGER

Witness as to PRINCIPAL

By

Witness as to PRINCIPAL

Title

ATTEST:

WITNESSES:

SURETY

Witness as to SURETY

By

Witness as to SURETY

Attorney-in-Fact

A F F I D A V I T

Comes the affiant and after having been duly sworn states as follows:

1. That affiant is the contractor awarded a contract by the University of Kentucky on Project #2591.1 Construction Management Services to Renew/Modernize Charles E. Barnhart Building.
2. That all contractors and subcontractors employed, or that will be employed, under the provisions of this contract are in compliance with Kentucky requirements for Workers' Compensation Insurance according to KRS Chapter 342 and Unemployment Insurance according to KRS Chapter 341.

Further, the affiant sayeth naught.

By: _____

Title: _____

Contractor: _____

State of _____)

County of _____)

Subscribed and sworn to before me by _____ on this _____
day of _____, 2023.

My commission expires _____

Notary Public, State at Large

**Barnhart Building
2591.1**

Print Date 2/1/2023

<u>DATE</u>	<u>ACTIVITY</u>	<u>DAYS TO NEXT TASK</u>	
Wed, 17 Aug '22	Project Advertised for Consultant	14	
Wed, 31 Aug '22	Consultants' Submittals Due	5	
Mon, 5 Sep '22	Selection Committee Short List Meeting	14	
Mon, 12 Sep '22	Site Walk-Through with Design Teams	7	
Mon, 19 Sep '22	Consultant Interviews	0	
Mon, 19 Sep '22	Consultant selected and notified	7	
Mon, 26 Sep '22	Contract negotiated	21	
Mon, 17 Oct '22	Begin Programming	36	10 mos for design
Tue, 22 Nov '22	Program Review Meeting	7	
Tue, 29 Nov '22	Begin Phase 1 Design	66	
Fri, 3 Feb '23	Phase 1 Documents submitted to CPMD	14	
Fri, 17 Feb '23	Phase 1 Review Meeting	60	
Tue, 18 Apr '23	Phase 2 documents submitted to CPMD	14	
Tue, 2 May '23	Phase 2 Review Meeting	62	
Mon, 3 Jul '23	Phase 3 documents submitted to CPMD	14	
Mon, 17 Jul '23	Phase 3 Review Meeting	32	
Fri, 18 Aug '23	Final Documents presented to CPMD	17	
Mon, 4 Sep '23	Advertise for Bidding	7	
Mon, 11 Sep '23	Pre-Bid Conference	28	
Mon, 9 Oct '23	Bid Date	14	
Mon, 23 Oct '23	Contract Awarded (510 calendar days)	0	2 mos bid and mobilization
Mon, 23 Oct '23	Construction Begins	510	approx 15 mos construction
Sun, 16 Mar '25	Substantial Completion	30	
Tue, 15 Apr '25	Final Completion	335	
Mon, 16 Mar '26	Warranty Expires		

CM Selection - TBD		
Thu, 2 Feb '23	Release of RFP	7
Thu, 9 Feb '23	Pre-Proposal Conference at 1PM	7
Wed, 15 Feb '23	Deadline for Written Questions Phase 1	6
Wed, 22 Feb '23	Addendum out	7
Wed, 1 Mar '23	RFP Proposals Due Date at 3:00 PM*	5
Mon, 6 Mar '23	Evaluation of Phase 1 Proposals	2
Wed, 8 Mar '23	PHASE 2**	
Wed, 8 Mar '23	Notification of Phase 2 Finalist	14
Wed, 22 Mar '23	Offeror Presentations from Phase 2 Finalist	0
Wed, 22 Mar '23	Offeror Financial Proposal	2
Fri, 24 Mar '23	Contract Award	0



DBE Participation Goals

PART 1 - GENERAL

- 1.1 The University of Kentucky requests all potential contractors to make a concerted effort to include Diverse Business Enterprises (DBE's) as subcontractors or suppliers in their bids.
- 1.2 Toward that end, the University of Kentucky has established 10% of total procurement costs as a Goal for participation of Diverse Business Enterprises on this contract.
- 1.3 **It is therefore a request of each Bidder to include in its bid, 10% for DBE participation and other requirements as outlined in this section.**

PART 2 - PROCEDURES

- 2.1 The successful bidder will be required to report to the University of Kentucky, the dollar amounts of all purchase orders submitted to DBE subcontractors and suppliers for work done or materials purchased for this contract.
- 2.2 Replacement of a DBE subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another DBE Firm; subject to approval by the University of Kentucky.
- 2.3 For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - A. The University of Kentucky, Facilities Management Contractor/Supply chain Coordinator (859-257-3204)
 - B. Tri-State Minority Supplier Development Council in Louisville, KY (502-625-0135)
 - C. The Kentucky Cabinet for Economic Development, Small & Minority Business Division in Frankfort, KY (502-564-2064)
 - D. The Office of Equal Employment Opportunity, Contract Compliance Division in Frankfort, KY (502-564-2874)
- 2.4 The University of Kentucky will make every effort to notify interested DBE subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

PART 3 - DEFINITIONS

- 3.1 Diverse Business Enterprises (DBE) consist of minority, women, disabled, veteran and disabled veteran owned business firms that are at least fifty-one percent owned and operated by an individual(s) of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled. MBE, WBE, Veterans, Disable Veterans and Disabled make up Diverse Business Enterprises (DBE).

PART 4 - OBLIGATION OF BIDDER

- 4.1 **The bidder shall make a Good Faith Effort to achieve the Participation Goal for DBE subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 4.2 Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 4.3 The Form of Proposal includes a section entitled "Identification of Diverse Business Enterprise Subcontractors and Material Suppliers". The Advertisement for Bid includes a section entitled "Diverse Business Enterprise Participation". The Determination of Responsibility includes a section entitled "Participation of Diverse Business Enterprise owned contractors and businesses". The applicable information must be completed and submitted as outlined.
- 4.4 **Failure to submit this information as requested may be cause for rejection of the bid.**

PART 5 - DOCUMENTATION REQUIRED

- 5.1 The prime contractor must provide the University of Kentucky with a "DBE percent of contract report "detailing subcontracting activity within 90 days of prime contract award. Projects containing multiple bid packs will update reports within 90 days of contract award throughout project duration. The report shall reflect the total dollar amount awarded to all DBE subcontractors (including suppliers) utilized under this contract.
- a. Prime Contractors will report the following items individually to satisfy reporting requirements
 - i. Project Name, UK Project Number, and UK CPMD Project Manager assigned to the project
 - ii. Total dollar value of the prime contract with the University of Kentucky
 - iii. Total dollar value of all contracts assigned to DBE firms
- 5.2 Bidders not reaching the Goal must submit both the "DBE percent of contract report "and a written statement documenting their Good Faith Effort to do so (If bid includes no DBE participation, bidder shall enter "None" on the subcontractor / supplier form). In addition, the bidder may submit the following as proof of Good Faith Efforts to meet the Participation Goal:

- A. Advertisement by the bidder of DBE Contracting opportunities associated with this bid in at least two (2) of the following:
 - 1. A periodical in general circulation throughout the region
 - 2. A Minority-Focused periodical in general circulation throughout the region
 - 3. A Trade periodical aimed at the DBE community in general circulation throughout the region
 - 4. Bidder shall include copies of dated advertisement with his submittal
- B. Evidence of written notice of contracting opportunities to at least five (5) DBE firms serving the construction industry at least seven (7) days prior to the bid opening date.
- C. Copies of quotations submitted by DBE firms which were not used due to uncompetitive pricing or other factors and/or copies of responses from firms that were contacted indicating that they would not be submitting a bid.
- D. Documentation of Bidder's utilization of the agencies identified to help locate potential DBE firms for inclusion on the contract including responses from agencies.
- E. Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement. "Record of DBE Solicitation" and other required documentation of Good Faith Efforts are to be submitted with the bid, if participation Goal is not met.

University of Kentucky – Capital Project Management
DBE Percent of Contract Report

1) Identification of Participating DBEs

Project Name / Number: _____

UK Project Manager: _____

Total Contract Value: _____

DBE Name, Address & Phone	Work to be Performed	Dollar Value of Work	% Value of Total Contract
1.		\$	%
2.		\$	%
3.		\$	%
4.		\$	%

The undersigned submits the above list of DBE firms to be used in accomplishing the work contained in this Bid.

Company: _____ By: _____

Date: _____ Title: _____

Attachment "G"

Construction Phase On-Site Staffing Matrix

TOTAL PROJECT STAFFING LEVEL				
Position	No.	Months	% of Time	Comments
Project Executive				
Project Manager				
Superintendent				
Engineer				
Assistant Superintendent/s				
Safety Engineer				
Administrative Assistant				
Other				
Other				
Other				

University of Kentucky

Tree Protection Standards

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Article 56 is in addition to, and takes precedence over the provisions of the Special Conditions for the Project.

ARTICLE 56

PART 1 –GENERAL

56.1.1 SUMMARY

- A. The scope of work includes all labor, materials, tools, equipment, facilities, transportation and services necessary for, and incidental to performing all operations in connection with protection of existing trees and other plants as shown on the drawings and as specified herein.
1. Provide preconstruction evaluations and Arborist Report.
 2. Provide tree and plant protection fencing.
 3. Provide protection of root zones and above ground tree parts and plants.
 4. Provide pruning of existing trees and plants.
 5. Provide all insect and disease control.
 6. Provide maintenance of existing trees and plants including irrigation during the construction period as recommended by the Arborist Report.
 7. Provide maintenance of existing trees and plants including irrigation during the post construction plant maintenance period.
 8. Remove tree protection fencing and other protection from around and under trees and plants.
 9. Clean up and disposal of all excess and surplus material.

56.1.2 CONTRACT DOCUMENTS

A. Shall consist of specifications, general conditions and the drawings. The intent of these documents is to include all labor, materials, and services necessary for the proper execution of the work. The documents are to be considered as one. Whatever is called for by any parts shall be as binding as if called for in all parts.

B. It is the intent of this section that the requirements apply to all sections of the project specification such that any subcontractor must comply with the restrictions on work within designated Tree and Plant Protection Areas.

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56.1.3 RELATED DOCUMENTS AND REFERENCES

A. Related Documents:

1. Drawings and general provisions of contract including general and supplementary conditions and Division I specifications apply to work of this section.
2. Section -Planting Soil
3. Section -Irrigation
4. Section -Planting
5. Section –Lawn

B. References: The following specifications and standards of the organizations and documents listed in this paragraph form a part of the specification to the extent required by the references thereto. In the event that the requirements of the following referenced standards and specification conflict with this specification section the requirements of this specification shall prevail. In the event that requirements of any of the following referenced standards and specifications conflict with each other the more stringent requirement shall prevail.

1. ANSI A 300 (Part 5) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Management of Trees & Shrubs During Site Planning, Site Development & Construction. Most current editions.
2. ANSI A 300 (Part 1) – Standard Practices for Tree, Shrub and other Woody Plant Maintenance, Pruning. Most current editions.
3. ANSI Z133 Safety Requirements for Arboricultural Operations.
4. Glossary of Arboricultural Terms, International Society of Arboriculture, Champaign IL, most current edition.

56.1.4 VERIFICATION

A. All scaled dimensions on the drawings are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions and quantities, and shall immediately inform the Owner's Representative of any discrepancies between the information on the drawings and the actual conditions, refraining from doing any work in said areas until given approval to do so by the Owner's Representative.

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56.1.5 PERMITS AND REGULATIONS

A. The Contractor shall obtain and pay for all permits related to this section of the work unless previously excluded under provision of the contract or general conditions. The Contractor shall comply with all laws and ordinances bearing on the operation or conduct of the work as drawn and specified. If the Contractor observes that a conflict exists between permit requirements and the work outlined in the contract documents, the Contractor shall promptly notify the Owner's Representative in writing including a description of any necessary changes and changes to the contract price resulting from changes in the work.

B. Wherever references are made to standards or codes in accordance with which work is to be performed or tested, the edition or revision of the standards and codes current on the effective date of this contract shall apply, unless otherwise expressly set forth.

C. In case of conflict among any referenced standards or codes or between any referenced standards and codes and the specifications, the more restrictive standard shall apply or Owner's Representative shall determine which shall govern.

56.1.6 PROTECTION OF WORK, PROPERTY AND PERSON

A. The Contractor shall protect the work, adjacent property, and the public, and shall be responsible for any damages or injury due to his/her actions.

56.1.7 CHANGES IN THE WORK

A. The Owner's Representative may order changes in the work, and the contract sum should be adjusted accordingly. All such orders and adjustments plus claims by the Contractor for extra compensation must be made and approved in writing before executing the work involved.

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56.1.8 DEFINITIONS

All terms in this specification shall be as defined in the "Glossary of Arboricultural Terms" or as modified below.

- A. Owner's Representative: The person appointed by the Owner to represent their interest in the Tree and Plant Protection and approval of the work and to serve as the contracting authority with the Contractor. The Owner's Representative may appoint other persons to review and approve any aspects of the work.
- B. Reasonable and Reasonably: When used in this specification is intended to mean that the conditions cited will not affect the establishment or long term stability, health or growth of the plant. This specification recognizes that plants are not free of defects, and that plant conditions change with time. This specification also recognizes that some decisions cannot be totally based on measured findings and that professional judgment is required. In cases of differing opinion, the Owner's Representative expert shall determine when conditions within the plant are judged as reasonable.
- C. Shrub: Woody plants with mature height approximately less than 25 feet.
- D. Tree and Plant Protection Area: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction, and defined by a circle centered on the trunk with each tree with a radius equal to the crown dripline unless otherwise indicated by the owner's representative.
- E. Tree: Single and multi-stemmed plants with anticipated mature height approximately greater than 25 feet or any plant identified on the plans as a tree.

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56.1.9 SUBMITTALS

- A. ARBORIST REPORT: Prior to the start of construction, submit, for approval by the Owner's Representative, the report of a consulting arborist who is a Registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist, which details the following information for all trees to remain within the area designated on the drawings as the Tree and Plant Protection Area. The report shall include the following:
1. A description of each tree to protect indicating the following:
 - a. Genus and species
 - b. Condition including any visible damage to the root system or soil within the root zone
 - c. Tree diameter at 4.5 feet above grade
 - d. Tree height
 - e. Crown width
 - f. Any visible disease and/or insect infestations
 - g. Branch and/or trunk structural deficiencies.
 - h. Appraisal of value
 - i. Appraisal of benefits (storm water interception, heating/cooling, carbon sequestration)
 2. The report shall note all trees or parts of trees, which are considered a hazard or significant or extreme risk level. Include the International Society of Arboriculture Tree Risk Assessment evaluation sheet for each tree, which may reasonably be identified as a potential hazard tree.
 3. Recommendations as to treatment of all insect, disease and structural problems encountered.
 4. Recommendations for fertilizer treatments, if any.
 5. A plan of the site showing the location of all trees included in the report.
- B. PRODUCT DATA: Submit manufacturer product data and literature describing all products required by this section to the Owner's Representative for approval. Provide submittal four weeks before the start of any work at the site.
- C. QUALIFICATIONS SUBMITTAL: For each applicable person expected to work on the project, provide copies of the qualifications and experience of the Consulting Arborist, proof of either the registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist and any required Herbicide/Pesticide license to the Owner's Representative, for review prior to the start of work.

56.1.10 OBSERVATION OF THE WORK

- A. The Owner's Representative may inspect the work at any time.

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56.1.11 PRE-CONSTRUCTION CONFERENCE

A. Schedule a pre-construction meeting with the Owner's Representative at least seven (7) days before beginning work to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.

1. The following Contractors shall attend the preconstruction conference:

- a. General Contractor.
- b. Consulting Arborist.
- c. Subcontractor assigned to install Tree and Plant Protection measures.
- d. Earthwork Contractor.
- e. All site utility Contractors that may be required to dig or trench into the soil.
- f. Landscape subcontractor.
- g. Irrigation subcontractor

B. Prior to this meeting, mark all trees and plants to remain and or be removed as described in this specification for review and approval by the Owner's Representative.

56.1.12 QUALITY ASSURANCE

A. Contractor qualifications:

1. All pruning, branch tie back, tree removal, root pruning, and fertilizing required by this section shall be performed by or under the direct supervision of an ISA Certified Arborist. Submit aforementioned individual's qualifications for approval by the Owner's Representative.
2. All applications of pesticide or herbicide shall be performed by a person maintaining a current state license to apply chemical pesticides valid in the jurisdiction of the project. Submit copies of all required state licensing certificates including applicable chemical applicator licenses.

56.1.13 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN

- A. Specimen trees within or adjacent to construction areas will be identified by the Owner's Representative and the Architect, and marked with green tags. Loss of any of these trees will result in fines assessed at a minimum of \$10,000 (or higher appraised amount that may be determined by the University prior to construction) per tree. Damage to all other trees on the property will be assessed at the rate of \$200 per diameter inch of the tree measured 4.5' above grade.
- B. Any trees or plants designated to remain and which are damaged by the Contractor shall be replaced in kind by the Contractor at their own expense in addition to fines and penalties.

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Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) being replaced. For example, if a 20" diameter tree is to be replaced, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less. Where replacement plants are to be less than the size of the plant that is damaged, the Owner's Representative shall approve the size and quality of the replacement plant.

1. All trees and plants shall be installed per the requirements of Specification Section Planting.
- C. Plants that are damaged shall be considered as requiring replacement or appraisal in the event that the damage affects more than 25 % of the crown, 25% of the trunk circumference, or root protection area, or the tree is damaged in such a manner that the tree could develop into a potential hazard. Trees and shrubs to be replaced shall be removed by the Contractor at his own expense.
1. The Owner's Representative may engage an independent arborist to assess any tree or plant that appears to have been damaged to determine their health or condition.
- D. Any tree that is determined to be dead, damaged or potentially hazardous by the Owner's arborist and upon the request of the Owner's Representative shall be immediately removed by the Contractor at no additional expense to the owner. Tree removal shall include all clean-up of all wood parts and grinding of the stump to a depth sufficient to plant the replacement tree or plant, removal of all chips from the stump site and filling the resulting hole with topsoil.
- E. Any remedial work on damaged existing plants recommended by the Consulting Arborist shall be completed by the Contractor at no cost to the owner. Remedial work shall include but is not limited to: soil compaction remediation and vertical mulching, pruning and or cabling, insect and disease control including injections, compensatory watering, additional mulching, and could include application tree growth regulators (TGR). Any remedial work is to be performed by an ISA Certified Arborist, ISA Board Certified Master Arborist or a Registered Consulting Arborist.
- F. Remedial work may extend up to two years following the completion of construction to allow for any requirements of multiple applications or the need to undertake applications at required seasons of the year.

56.1.14 LOSS OF TREES DUE TO CONSTRUCTION FOOT PRINT

- A. Any trees or plants designated as removals to accommodate construction shall be replaced. Tree(s) shall be replaced with a tree(s) of similar species and equivalent trunk diameter to the tree(s) removed. For example, if a 20" diameter tree is removed, the Contractor can provide ten (10) two inch diameter trees. Depending on site accommodations and landscape design, the replacement trees may be installed outside of the project site as

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directed by the Owner's Representative. Shrubs shall be replaced with a plant of similar species and equal size or the largest size plants reasonably available whichever is less.

PART 2 –PRODUCTS

56.2.1 MULCH

The coarse grade Mulch specified here is considered superior for its water retention and soil building properties in areas of tree and shrub roots when irrigation is drip, bubblers or flood methods.

A. Mulch shall be coarse, ground, from tree and woody brush sources. The minimum range of fine particles shall be 3/8 inch or less in size and a maximum size of individual pieces shall be approximately 1 to 1-1/2 inch in diameter and maximum length of approximately 4 to 8 inches. No more than 25% of the total volume shall be fine particles and no more than 20% of total volume be large pieces. Mulch will be applied to a depth of 3 to 5 inches. Mulch shall not come into contact with the tree trunk.

1. It is understood that Mulch quality will vary significantly from supplier to supplier and region to region. The above requirements may be modified to conform to the source material from locally reliable suppliers as approved by the Owner's Representative.

B. Submit supplier's product data that product meets the requirements and two-gallon sample for approval.

56.2.2 WOOD CHIPS

A. Wood Chips from an arborist chipping operation with less than 20% by volume green leaves. Chips stockpiled from the tree removal process may be used. Mulch will be applied to a depth of 5 to 8 inches. Mulch shall not come into contact with the tree trunk.

56.2.3 TREE PROTECTION FENCING

A. Chain link fencing shall be installed around all existing trees to remain. Fencing shall be 6' tall galvanized nine gauge, with 3" end and line post and 1" minimum top rails, and bottom tension wire a maximum of 3" off the ground. Post shall be driven into the ground and spacing shall not exceed 8 feet.

6 feet tall metal chain link fence set in metal frame panels on movable core drilled concrete blocks of sufficient size to hold the fence erect in areas of existing paving to remain.

B. Orange plastic fencing shall be installed on the outside of the chain link fencing to provide high visibility.

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C. GATES: For each fence type and in each separate fenced area, provide a minimum of one 3-foot-wide gate. Gates shall be lockable. The location of the gates shall be approved by the Owner's Representative.

D. Submit supplier's product data that product meets the requirements for approval.

56.2.4 TREE PROTECTION SIGN

A. Heavy-duty laminated or all weather signs, 11 inches x 17 inches, white colored background with black 2 inch high or larger block letters. The signs shall be attached to the tree protection fence every 50 feet. The tree protection sign shall read:

"Tree Protection Area - Keep Out"

The following information shall also be included on the sign:

- i. Genus and species
- ii. Tree diameter
- iii. Tree height
- iv. Appraised value of tree
- v. Benefits provided
 1. Storm water interception in gallons
 2. Carbon sequestration in pounds
 3. Energy Savings

56.2.5 TREE (Plant) GROWTH REGULATOR (TGR/PGR)

A. Active ingredient Paclobutrazol i.e. (ShortStop, Cambistat 25C, Profile 2SC or other)

B. Submit supplier's product data that product meets the requirements for approval.

56.2.6 SOIL & ROOT PROTECTION

On projects where the tree protection fencing cannot be installed to create the desired protection zone.

A. Matting for vehicle and work protection shall be heavy duty matting designed for vehicle loading over tree roots, Altumamats as manufactured by Altumamats, Inc. Franklin, PA 16323 or approved equal.

B. 1/2" Steel plates - Following the recommendations of the project arborist steel plates shall be installed to protect the roots from Construction activities.

C. Submit suppliers' product data that product meets the requirements for approval.

56.2.7 GEOGRID

A. Geogrid shall be woven polyester fabric with PVC coating, Uni-axial or biaxial geogrid, inert to biological degradation, resistant to naturally occurring chemicals, alkalis, acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit suppliers' product data that product meets the requirements for approval.

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56.2.8 GEOTEXTILE

A. Geotextile shall be nonwoven polypropylene fibers, inert to biological degradation and resistant of naturally occurring chemicals, alkalis and acids.

Manufacturers: GSE Environmental, TenCate, Terram

B. Submit supplier's product data that product meets the requirements for approval.

PART 3 –EXECUTION

56.3.1 SITE EXAMINATION

A. Examine the site, tree, plant and soil conditions. Notify the Owner's Representative in writing of any conditions that may impact the successful Tree and Plant Protections that is the intent of this section.

56.3.2 COORDINATION WITH PROJECT WORK

A. The Contractor shall coordinate with all other work that may impact the completion of the work.

B. Prior to the start of Work, prepare a detailed schedule of the work for coordination with other trades.

C. Coordinate the relocation of any irrigation lines currently present on the irrigation plan, heads or the conduits of other utility lines or structures that are in conflict with tree locations. Root balls shall not be altered to fit around lines. Notify the Owner's Representative of any conflicts encountered.

56.3.3 TREE AND PLANT PROTECTION AREA

A. The Tree and Plant Protection Area is defined as all areas indicated on the tree protection plan. Where no limit of the Tree and Plant Protection area is defined on the drawings, the limit shall be the drip line (outer edge of the branch spread) of each tree.

56.3.4 PREPARATION

A. Prior to the preconstruction meeting, layout the limits of the Tree and Plant Protection Area and then alignments of required Tree and Plant Protection Fencing and root pruning. Obtain the Owner's Representative's approval of the limits of the protection area and the alignment of all fencing and root pruning.

B. Flag all trees and shrubs to be removed by wrapping blue plastic ribbon around the trunk and obtain the Owner's Representative's approval of all trees and shrubs to be removed prior to the start of tree and shrub removal. After approval, mark all trees and shrubs to be removed with blue paint in a band completely around the base of the shrub(s) and around the trunk of the tree(s) 4.5 feet above the ground.

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C. Flag all trees and shrubs to remain with green plastic ribbon tied completely around the trunk or each tree and on a prominent branch for each shrub. Obtain the Owner's Representative's approval of all trees and shrubs to remain prior to the start of tree and shrub removal.

D. Prior to any construction activity at the site including utility work, grading, storage of materials, or installation of temporary construction facilities, install all tree protection fencing, Geotextile Fabric, silt fence, tree protection signs, Geogrid, Mulch and or Wood Chips as shown on the drawing.

56.3.5 SOIL MOISTURE

A. Volumetric soil moisture level, in all soils within the Tree and Plant Protection Area shall be maintained above permanent wilt point to a depth of at least 8 inches. No soil work or other activity shall be permitted within the Tree and Plant Protection Area when the volumetric soil moisture is above field capacity. The permanent wilt point and field capacity for each type of soil texture shall be defined as follows (numbers indicate percentage volumetric soil moisture).

Soil Type	Permanent wilt point v/v	Field Capacity v/v
Sand, Loamy sand, Sandy Loam	5-8%	12-18%
Loam, Sandy clay, Sandy clay loam	14-25%	27-36%
Clay loam, Silt loam	11-22%	31-36%
Silty clay, Silty clay loam	22-27%	38-41%

1. Volumetric soil moisture shall be measured with a digital, electric conductivity meter. The meter shall be the Digital Soil Moisture Meter, DSMM500 by General Specialty Tools and Instruments, or approved equivalent meter.

B. The Contractor shall confirm the soil moisture levels with a moisture meter. If the moisture is too high, suspend operations until the soil moisture drains to below field capacity.

56.3.6 ROOT PRUNING

A. Prior to any excavating into the existing soil grade within 25 feet of the limit of the Tree and Plant Protection Area or trees to remain, root prune all existing trees to a depth of 24 inches below existing grade in alignments following the edges of the Tree and Plant Protection Area or as directed by the Owner's Representative. Root pruning shall be in conformance with ANSI A300 Root Management Standard (part 8) latest edition.

1. Using an air excavation tool to expose roots within 2 feet of the limit of grading.

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2. After completion of excavation, make clean cuts with a lopper, saw or pruner to sever roots so they will not be torn, ripped or damaged by the excavation, and backfill the trench immediately with existing soil, filling all voids.

56.3.7 INSTALLATION OF GEOGRIDS, GEOTEXTILE FABRICS, MATTING, WOOD CHIPS AND OR MULCH

A. Install geogrids, geotextile fabric, matting, wood chips and or mulch in areas and depths shown on the plans and details or as directed by the Owner's representative. In general, it is the intent of this specification to provide the following levels of protection:

1. All areas within the Tree and Plant Protection area provide a minimum of 5 inches of wood chips or mulch.
2. Areas where foot traffic or storage of lightweight materials is anticipated to be unavoidable provide a layer of Filter Fabric under the 5 inches of wood chips or mulch.
3. Areas where occasional light vehicle traffic is anticipated to be unavoidable, provide approved matting or a layer of geogrids under 8 inches of wood chips or mulch.
4. Areas where heavy vehicle traffic is unavoidable provide approved matting or a layer of geogrids under 8 -12 inches of wood chips or mulch and a layer of matting over the wood chips or mulch.

B. The Owner's Representative shall approve the appropriate level of protection.

C. In the above requirements, light vehicle is defined as a track skid steer with a ground pressure of 4 psi or lighter. A heavy vehicle is any vehicle with a tire or track pressure of greater than 4 psi. Lightweight materials are any packaged materials that can be physically moved by hand into the location. Bulk materials such as soil, or aggregate shall never be stored within the Tree and Plant Protection Area.

56.3.8 PROTECTION

A. Protect the Tree and Plant Protection Area at all times from compaction of the soil; damage of any kind to trunks, bark, branches, leaves and roots of all plants; and contamination of the soil, bark or leaves with construction materials, debris, silt, fuels, oils, and any chemicals substance. Notify the Owner's Representative of any spills, compaction or damage and take corrective action immediately using methods approved by the Owner's Representative.

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56.3.9 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA:

A. The Contractor shall not engage in any construction activity within the Tree and Plant Protection Area without the approval of the Owner's Representative including: operating, moving or storing equipment; storing supplies or materials; locating temporary facilities including trailers or portable toilets and shall not permit employees to traverse the area to access adjacent areas of the project or use the area for lunch or any other work breaks. Permitted activity, if any, within the Tree and Plant Protection Area may be indicated on the drawings along with any required remedial activity as listed below.

B. In the event that construction activity is unavoidable within the Tree and Plant Protection Area, notify the Owner's Representative and submit a detailed written plan of action for approval. The plan shall include: a statement detailing the reason for the activity including why other areas are not suited; a description of the proposed activity; the time period for the activity, and a list of remedial actions that will reduce the impact on the Tree and Plant Protection Area from the activity. Remedial actions shall include but shall not be limited to the following:

1. In general, demolition and excavation within the drip line of trees and shrubs shall proceed with extreme care either by the use of hand tools, directional boring and or air excavation where indicated or with other low impact equipment that will not cause damage to the tree, roots or soil.
2. When encountered, exposed roots, 1 inches and larger in diameter shall be worked around in a manner that does not break the outer layer of the root surface (bark). These roots shall be covered in Wood Chips and shall be maintained above permanent wilt point at all times. Roots one inch and larger in diameter shall not be cut without the approval of the Owner's Representative. Excavation shall be tunneled under these roots without cutting them. In the areas where roots are encountered, work shall be performed and scheduled to close excavations as quickly as possible over exposed roots.
3. Tree branches that interfere with the construction may be tied back or pruned to clear only to the point necessary to complete the work. Other branches shall only be removed when specifically indicated by the Owner's Representative. Tying back or trimming of all branches and the cutting of roots shall be in accordance with accepted arboricultural practices (ANSI A300, parts 1 and 8) and be performed by or direct under supervision of an ISA Certified Arborist.
4. Matting: Install temporary matting over the Wood Chips or Mulch to the extent indicated. Do not permit foot traffic, scaffolding or the storage of materials within the Tree and Plant Protection Area to occur off of the temporary matting.
5. Trunk Protection: Protect the trunk of each tree to remain by covering it with a ring of 8-foot-long 2-inch x 6 -inch planks loosely banded onto the tree with 3 steel bands.

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Staple the bands to the planks as necessary to hold them securely in place. Trunk protection may be kept in place no longer than 12 months. If construction requires work near a particular tree to continue longer than 12 months, the steel bands shall be inspected every six months and loosened if they are found to have become tight.

6. Air Excavation Tool: If excavation for footings or utilities is required within the Tree and Plant Protection Area, air excavation tool techniques shall be used where practical or as designed on the drawings.

a. Remove the Wood Chips from an area approximately 18 inches beyond the limits of the hole or trench to be excavated. Cover the Wood Chips for a distance of not less than 15 feet around the limit of the excavation area with Filter Fabric, tarp plastic sheeting to protect the Wood Chips from silt. Mound the Wood Chips so that the plastic slopes towards the excavation.

b. Using a sprinkler or soaker hose, apply water slowly to the area of the excavation for a period of at least 4 hours, approximately 12 hours prior to the work so that the ground water level is at or near field capacity at the beginning of the work. For excavations that go beyond the damp soil, rewet the soil as necessary to keep soil moisture near field capacity.

c. Using an air excavation tool specifically designed and manufactured for the intended purpose, and at pressures recommended by the manufacturer of the equipment, fracture the existing soil to the shape and the depths required. Work at rates and using techniques that do not harm tree roots. Air pressure shall be a maximum of 90-100 psi.

i. The air excavation tool shall be either the "Air-Spade" as manufactured by Division of Guardair Corporation 47 Veterans Drive Chicopee, MA 01022 (800)-482-7324, or Supersonic Air Knife as manufactured by Easy Use Air Tools, Inc. Allison Park, Pa (866) 328-5723 or approved equal.

d. Using a commercial, high-powered vacuum truck if required, remove the soil from the excavation produced by the Air Knife excavation. The vacuum truck should generally operate simultaneously with the hose operator, such that the soil produced is picked up from the excavation hole, and the exposed roots can be observed and not damaged by the ongoing operation. Do not drive the vacuum truck into the Tree and Plant Protection Area unless the area is protected from compaction as approved in advance by the Owner's Representative.

e. Remove all excavated soil and excavated wood chips, and contaminated soil at the end of the excavation.

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- f. Schedule the work so that foundations or utility work is completed immediately after the excavation. Do not let the roots dry out. Mist the roots several times during the day. If the excavated area must remain open overnight, mist the roots and cover the excavation with black plastic.
- g. Dispose of all soil in a manner that meets local laws and regulations.
- h. Restore soil within the trench as soon as the work is completed. Utilize soil of similar texture to the removed soil and lightly compact with hand tools. Leave soil mounded over the trench to a height of approximately 10% of the trench depth to account for settlement.
- i. Restore any geogrids, filter fabric, wood chips or mulch and or matting that was required for the area.

56.3.10 GRADING AND FILLING AROUND TREES

- A. Maintain existing grade within drip line of trees. Any variance to this will be executed only after consultation and recommendation from the Campus Arborist.
- B. Where existing grade is above new finish grade shown around trees, carefully hand excavate within drip line to new grade. Cut exposed roots approximately 3" below elevation of new finish grade. Engage an ISA certified Arborist to recommend procedures to compensate for loss of roots and to provide initial services such as pruning of branches and stimulation of root growth. Provide subsequent maintenance during contract period as recommended by the arborist. Provide Grounds Superintendent with typed instructions for recommended long range maintenance procedures to be followed after completion of construction operations.
- C. For minor fills where the existing grade is 4" or less below elevation of finish grade shown, use a topsoil type fill material rich in organic matter and loamy in texture. Place in single layers not more than two inches at a time and do not compact.
- D. Fills greater than four inches shall only be attempted after consultation with the Campus Arborist. Detailed shop drawings of proposed work shall be submitted and approved by the Campus Arborist prior to any work. A progress schedule shall be established to monitor the work.

56.3.11 TREE REMOVAL:

- A. Tree removals shall be performed by ISA Certified Arborists and companies shall have appropriate licenses and insurance for tree removal operations.
- B. Remove all trees indicated by the drawings and specifications, as requiring removal, in a manner that will not damage adjacent trees or structures or compacts the soil.

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- C. Remove trees that are adjacent to trees or structures to remain, in sections, to limit the opportunity of damage to adjacent crowns, trunks, ground plane elements and structures.
- D. Do not drop trees with a single cut unless the tree will fall in an area not included in the Tree and Plant Protection Area and there are no underground utilities that may be damaged. No tree to be removed within 50 feet of the Tree and Plant Protection Area shall be pushed over or up-rooted using a piece of grading equipment.
- E. Protect adjacent paving, soil, trees, shrubs, ground cover plantings and understory plants to remain from damage during all tree removal operations, and from construction operations. Protection shall include the root system, trunk, limbs, and crown from breakage or scarring, and the soil from compaction.
- F. Remove stumps and immediate root plate from existing trees to be removed. Grind trunk bases and large buttress roots to a depth of the largest buttress root or at least 18 inches below the top most roots whichever is less and over the area of three times the diameter of the trunk (DBH).
1. For trees where the stump will fall under new paved areas, grind roots to a total depth of 18 inches below the existing grade. If the sides of the stump hole still have greater than approximately 20% wood visible, continue grinding operation deeper and or wider until the resulting hole has less than 20% wood. Remove all wood chips produced by the grinding operation and back fill in 8 inch layers with controlled fill of a quality acceptable to the site engineer for fill material under structures, compacted to 95% of the maximum dry density standard proctor. The Owner's Representative shall approve each hole at the end of the grinding operation.
 2. In areas where the tree location is to be a planting bed or lawn, remove all woodchips and backfill stump holes with planting soil as defined in Specification Section Planting Soil, in maximum of 12 inch layers and compact to 80-85% of the maximum dry density standard proctor.
- G. Wood salvaged for up cycling will be identified by the Owner's Representative.
1. Sections of salvaged wood shall have a clean, flat cut across both ends.
 2. Ends of wood sections shall be sealed with AnchorSeal after being cut and before being loaded. Branch cuts on the length of wood sections shall be sealed with AnchorSeal.
 3. Care shall be taken when loading wood and logs not to damage the bark connection to the wood.
 4. Wood and logs shall be stored so there is no contact with the ground. Wood and logs should be elevated from the ground by placing on cross beams of wood, concrete or steel. Wood and logs may also be stored on a gravel, concrete or asphalt pad.

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56.3.12 PRUNING:

- A. Within six months of the estimated date of substantial completion, prune all dead or hazardous branches larger than 2 inch in diameter from all trees to remain.
- B. Implement all pruning recommendations found in the Arborist Report.
- C. Prune any low, hanging branches and vines from existing trees and shrubs that overhang walks, streets and drives, or parking areas as follows:
 - 1. Walks - within 7 feet vertically of the proposed walk elevation.
 - 2. Parking areas - within 10 feet vertically of the proposed parking surface elevation.
 - 3. Streets and drives - within 12 feet vertically of the proposed driving surface elevation.
- D. All pruning shall be done in accordance with ANSI A300 (part 1), ISA BMP Tree Pruning (latest edition, and the "Structural Pruning: A Guide for the Green Industry", Edward Gilman, Brian Kempf, Nelda Matheny and Jim Clark, 2013 Urban Tree Foundation, Visalia CA.
- E. Perform other pruning task as indicated on the drawings or requested by the Owner's Representative.
- F. Where tree specific disease vectors require, sterilize all pruning tools between the work in individual trees.

56.3.13 TREE (Plant) GROWTH REGULATOR APPLICATION (TGR/PGR)

- A. At the start of, or prior to, the construction contract period, treat all trees indicated on the Plan with Tree Growth Regulator at the recommended rates, time of year and methods indicated by the product distributor.

56.3.14 WATERING

- A. The Contractor shall be fully responsible to ensure that adequate water is provided to all plants to be preserved during the entire construction period. Adequate water is defined to be maintaining soil moisture above the permanent wilt point to a depth of 8 inches or greater.
- B. The Contractor shall adjust the automatic irrigation system, if available, and apply additional water, using hoses or water tanks as required.
- C. Periodically test the moisture content in the soil within the root zone to determine the water content.

56.3.15 TURF AND WEED MAINTENANCE

- A. Turf areas within the Tree and Plant Protection area shall be maintained in a manner that is consistent with University turf maintenance standards. This includes mowing, weed eating, edging, fertilization, weed control and leaf collection.

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B. During the construction period, control any plants that seed in and around the fenced Tree and Plant Protection area at least three times a year.

1. All plants that are not shown on the planting plan or on the Tree and Plant Protection Plan to remain shall be considered as weeds.

C. At the end of the construction period provide one final mowing and weeding of the Tree and Plant Protection Area.

56.3.16 INSECT AND DISEASE CONTROL

A. Monitor all plants to remain for disease and insect infestations during the entire construction period. Provide all disease and insect control required to keep the plants in a healthy state using the principles of Integrated Plant Management (IPM). All pesticides shall be applied by a certified pesticide applicator.

56.3.17 CLEAN-UP

A. During tree and plant protection work, keep the site free of trash, pavements reasonably clean and work area in an orderly condition at the end of each day. Remove trash and debris in containers from the site no less than once a week.

1. Immediately clean up any spilled or tracked soil, fuel, oil, trash or debris deposited by the Contractor from all surfaces within the project or on public right of ways and neighboring property.

B. Once tree protection work is complete, wash all soil from pavements and other structures. Ensure that Mulch is confined to planting beds.

C. Make all repairs to grades, ruts, and damage to the work or other work at the site.

D. Remove and dispose of all excess Mulch, Wood Chips, packaging, and other material brought to the site by the Contractor.

56.3.18 REMOVAL OF FENCING AND OTHER TREE AND PLANT PROTECTION

A. At the end of the construction period or when requested by the Owner's Representative remove all fencing, Wood Chips or Mulch, Geogrids and Geotextile Fabric, trunk protection and or any other Tree and Plant Protection material.

END OF SECTION