

#### **INVITATION FOR BIDS**

CCK-2564.0-9-24 Construct Health Education Building BP-02 ADDENDUM #4 04/05/2024

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 04/12/2024 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

#### **ITEM #1: MODIFICATIONS TO THE ORIGINAL BID DOCUMENTS**

Please refer to the enclosed, updated documents as you prepare your bids.

#### **ITEM #2: BIDDER NOTICE**

• The "Bid Opening" has been moved to 04/12/2024. The location and time for the submission of the bids remains the same.

OFFICIAL APPROVAL UNIVERSITY OF KENTUCKY	<u>SIGNATURE</u>
Ken Scott 04/05/2024	
Contracting Officer / (859) 257-9102	Typed or Printed Name

University of Kentucky Purchasing Division 322 Peterson Service Building Lexington, KY 40506-0005





# UK Construct Health Education Building ADDENDUM No. 4 UK-2564.0-9-24 4/5/2024

Item No. 01 Re: Form of Proposal TC-012, Trailer and Laydown, Attachment B, Revised Post Bid Meeting to the following:

The apparent low bidder is requested to attend a post bid meeting on April 18, 2024 at 2:00 pm in the Turner Field Office. All parties (prime and subcontractors) are required to attend in person. (ADD #3)-(ADD #4)

Item No. 02 Re: Form of Proposal TC-013, Site Plumbing, Attachment B, Revised Post Bid Meeting to the following:

The apparent low bidder is requested to attend a post bid meeting on April 19, 2024 at 1:30 pm in the Turner Field Office. All parties (prime and subcontractors) are required to attend in person. (ADD #3) (ADD #4)

Item No. 03 Re: Form of Proposal TC-014, Site Excavation, Attachment B, Use attached revised scope of work.

Item No. 04 Re: Form of Proposal TC-015, Foundations, Attachment B, remove items 25g and h from scope of work.

g. Include excavation and any necessary shoring and backfill to install West Tower Crane base foundation. (ADD #3) (ADD #4)

h. Include any necessary shoring and backfill to install North Tower Crane base foundation. (ADD #3) (ADD #4)

Item No. 05 Revise Special Conditions Article 2 to read:

The Lexington Fayette Urban County Government (LFUCG) Sewer Tap Fee shall be secured and paid for by the Trade Contractor(s). The sewer tap fee is for all projects, regardless of type, is presently calculated by the LFUCG and is based on \$1.56 per square foot. The total fee is anticipated to be \$702,000 \$811,200, \$795,444 based on 450,000 520,000 509,900 Total Square Feet. (ADD #3) (ADD #4)

# UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL: TC-014 – Site Excavation

Proje	ct No	2564.0	Project Title:	UK Construct Health Education Building
Purch	nasing Of	fficer: <u>Ken Scott</u>		
				be followed exactly in submitting a proposal for this work. If this copy is written request to the authority issuing Contract Documents.
	-	is submitted by		(NAME AND ADDRESS OF BIDDER)
TO:	BID C	CLERK		INVITATION TO BID: CCK-2564.0-9-24
	CAPI' PROC RM. 3	TERSITY OF KITAL CONSTRUCUREMENT 322 SERVICE B	JCTION BUILDING	BID OPENING DATE: TIME 3:00 P.M. E.D.T.
site o well a suppl	f the World the Sport ies and so	rk, the Drawing ecifications affe ervices required	s and complete Co	for Bids for the above referenced Project, having carefully examined the ontract Documents as defined in Article I of the General Conditions, as prepared by the Consultant, hereby proposes to furnish all labor, materials Project in accordance with the Contract Documents, within the time set out qualification.
The E	Bidder he	reby acknowled	ges receipt of the	following Addenda:
ADD	ENDUM	I NO		DATED
ADD	ENDUM	I NO		DATED
ADD	ENDUM	I NO		DATED
ADD	ENDUM	I NO		DATED
ADD	ENDUM	I NO		DATED
		ne number and d be inserted.)	ate of any Adden	da issued and received. If none has been issued and received, the word

Contractor Report of Prior Violations of Chapters 136,139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 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 these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

#### LUMP SUM PROPOSAL

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

FOR	CTHE LUMP SUM OF			
		(USI	E WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
Alte	ernates: <mark>None</mark>			
In ac	PERINTENDENT coordance with Article 17 of the Government of the superintendent your firm me of the superintendent's qualification.	n will employ on this pro	oject. The successful Bidde	
List	the Superintendent's Name			

The apparent low bidder is requested to attend a post bid meeting on April 15 17, 2024 at 10:00 am 2:00 pm in the Turner Field Office. All parties (prime and subcontractors) are required to attend in person. (ADD #4)

# UK Construct Health Education Building UK PROJECT 2564.0

# Attachment "B" SCOPE OF WORK TC-014 – Site Excavation

FORM OF PROPOSAL

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

I hereby certify:

- 1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- 2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK- have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
- 3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
- 4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and Turner Construction Company and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
- 5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
- 6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
- 7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
- 8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
- 9. In accordance with KRS45A.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 the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

#### READ CAREFULLY - SIGN IN SPACE BELOW - FAILURE TO SIGN INVALIDATES BID

SIGNED BY		TITLE	
PRINT NAME		FIRM	
ADDRESS		AREA CODE & PHONE	
		FAX_	
CITY	STATE	ZIP CODE	
BIDDER'S EMAIL		DATE	

004100B01 Form of Proposal University of Kentucky

#### **BUSINESS CLASSIFICATION**

Please complete this form wh	ich is necessary for the	University of Kentucky vendor	database.
Mark only one classification.	Refer to "Definitions" for	or assistance in determining con	rrect classification.

(01)	_Small Business	(06)	Woman-Owned Large Business
(02)	_Large Business	(07)	Disadvantaged Woman-Owned Small Business
(03)	_Disadvantaged Small		
	Business	(08)	Disadvantaged Woman-Owned
			Large Business
$(04)_{\underline{}}$	_Disadvantaged Large		
	Business	(09)	_Other
(05)	Woman-Owned Small Business		

#### **DEFINITIONS**

- (01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.
- (03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include: Asian, Black/African American, Hispanic or Latino, Native American, Native Hawaiian/Pacific Islander, Women, Disabled, Veteran and Disabled Veteran and other minorities or individuals found to be disadvantaged by the SBA.
- (04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals as defined above, but which is not a small business by the SBA's size standards.
- (05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.
- (08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.
- (09) OTHER: A concern that does not meet any of the above definitions.

#### THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

- 1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
- 2. List of Proposed Subcontractors and Unit Prices. (if required)
- 3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

#### **BIDDER'S QUALIFICATIONS**

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

#### TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

#### **UNIT PRICES**

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders will be required to complete and submit the following Unit Prices with the bid.

Material	Unit (LF, SF, EA, etc.)	Unit Price

#### **HOURLY RATES**

The Hourly Rates as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders will be required to complete and submit the following Hourly Rates with the bid.

#### Note the following:

- Overhead & Profit to be **EXCLUDED** from rates below & will be calculated separately
- Complete a separate Wage Breakdown for each trade or subcontractor

STRAIGHT TIME		CLASSIFICATION								
Description	Unit	PM	Engineering	Super	Gen. Foreman	Foreman	Journeyman	Apprentice	Other ()	
Base Wage	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
	1	T		T	_		_			
H&W	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Pension	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Apprentice	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Vacation	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Annuity	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Education	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
FICA	%	\$	\$	\$	\$	\$	\$	\$	\$	
Medicare	%	\$	\$	\$	\$	\$	\$	\$	\$	
FUI	%	\$	\$	\$	\$	\$	\$	\$	\$	
SUI	%	\$	\$	\$	\$	\$	\$	\$	\$	
Workers Comp	%	\$	\$	\$	\$	\$	\$	\$	\$	
GL Ins.	%	\$	\$	\$	\$	\$	\$	\$	\$	
Other Fringe/Burde	n (List Below	)	•		•			·	•	
·										
		\$	\$	\$	\$	\$	\$	\$	\$	
TOTAL		\$	\$	\$	\$	\$	\$	\$	\$	

PREMIUM TIME		CLASSIFICATION							
D	11	200	F		Gen.			A	Other
Description	Unit	PM	Engineering	Super	Foreman	Foreman	Journeyman	Apprentice	()
Base Wage	/hr	\$	\$	\$	\$	\$	\$	\$	\$
	1		<b>.</b>	T		_			T
H&W	/hr	\$	\$	\$	\$	\$	\$	\$	\$
Pension	/hr	\$	\$	\$	\$	\$	\$	\$	\$
Apprentice	/hr	\$	\$	\$	\$	\$	\$	\$	\$
Vacation	/hr	\$	\$	\$	\$	\$	\$	\$	\$
Annuity	/hr	\$	\$	\$	\$	\$	\$	\$	\$
Education	/hr	\$	\$	\$	\$	\$	\$	\$	\$
	•								
FICA	%	\$	\$	\$	\$	\$	\$	\$	\$
Medicare	%	\$	\$	\$	\$	\$	\$	\$	\$
FUI	%	\$	\$	\$	\$	\$	\$	\$	\$
SUI	%	\$	\$	\$	\$	\$	\$	\$	\$
Workers Comp	%	\$	\$	\$	\$	\$	\$	\$	\$
GL Ins.	%	\$	\$	\$	\$	\$	\$	\$	\$
							•		
Other Fringe/Burde	n (List Below	)							
		\$	\$	\$	\$	\$	\$	\$	\$
TOTAL		\$	\$	\$	\$	\$	\$	\$	\$

DOUBLE TIN	ΜE	CLASSIFICATION								
Description	Unit	PM	Engineering	Super	Gen. Foreman	Foreman	Journeyman	Apprentice	Other ()	
Base Wage	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
H&W	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Pension	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Apprentice	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Vacation	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Annuity	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
Education	/hr	\$	\$	\$	\$	\$	\$	\$	\$	
FICA	%	\$	\$	\$	\$	\$	\$	\$	\$	
Medicare	%	\$	\$	\$	\$	\$	\$	\$	\$	
FUI	%	\$	\$	\$	\$	\$	\$	\$	\$	
SUI	%	\$	\$	\$	\$	\$	\$	\$	\$	
Workers Comp	%	\$	\$	\$	\$	\$	\$	\$	\$	
GL Ins.	%	\$	\$	\$	\$	\$	\$	\$	\$	
Other Fringe/Burde	n (List Below	•)			<u> </u>			<u> </u>		
_										
		\$	\$	\$	\$	\$	\$	\$	\$	
TOTAL		\$	\$	\$	\$	\$	\$	\$	\$	

#### **BID BREAKOUT**

Fill in the following breakdown of costs included in your base bid. Each item is to include labor, material & equipment. These will not be considered unit prices nor will the numbers listed here limit obligations required in the bid documents. It will be used only to aid in verifying completeness of the bids.

		Labor			Unit	
	Description of Work	Total				
1	Engineering and Submittals		Quantity		\$	\$
2	Site Demolition			CY	\$	\$
3	Temporary Construction (Roadway)			LF	\$	\$
4	Site Sanitary Installation			LF	\$	\$
5	Site Storm Installation			LF	\$	\$
6	Shoring / Retention			CY	\$	\$
7	Mass Excavation / Grading			CY	\$	\$
8	Demolition and Site Clearing			CY	\$	\$
9	Rock Removal				\$	\$
10	Dewatering				\$	\$
11	Waterproofing and Drainage				\$	\$
12	Backfilling Building Pad and Foundation Walls					\$
	Please list and breakdo	wn below ar	ny work that ha	as not b	een listed al	oove
13					\$	\$
14					\$	\$
15					\$	\$
16	Sewer Tap Fee (ADD #4)				\$	\$
17	Management				\$	\$
18	Safety and Housekeeping				\$	\$
19	General Work Requirements				\$	\$
20	Overhead and Profit	\$	\$			
Allo	owances (to be included in bid amoun	t)				
1	Document Control Server Allowance					\$ 3,000
2	Additional Hydro Vacuum Allowance					\$ 20,000
3	Additional Stone Allowance					\$ 10,000
4	Additional Ductbank Temporary Support/Shoring Allowance					\$50,000 (ADD #3)
5	Additional Sewer Tap Fees Allowance					\$20,000 (ADD #4)
	TOTAL BID AMOUNT (This amount should match the Lump Sum listed on Form of Proposal)					\$
	<u>(D</u> :	\$				

#### SCOPE OF WORK

A.	GENERAL
1.	Provide labor, material, equipment, and all else necessary to furnish and install complete the TC-014 Work as required by the contract documents and as outlined below
2.	The following scope of work is intended to be general in nature. The purpose of this scope of work is not to identify or list every scope of work item already shown or described in the contract documents, but rather to coordinate, clarify, modify, and/or expand the scope.
3.	The intention is to have the successful Subcontractor perform all the TC-014 related work shown on the Contract Documents other than those items specifically indicated below to be excluded.
4.	Detail references are included for convenience but are not intended to identify all applicable details. If the Contract Drawings and Specifications conflict, then the greater quantity and quality shall apply. The Scope of Work takes precedence over the drawings and specifications in the event of a conflict in trade assignment or responsibility. Attention is called to the Bid Manual and the Subcontractor shall include all costs necessary to provide all work to meet the requirements of this scope of work.
5.	In this Scope of Work, the term "provide" shall be defined as meaning "furnish and install."

B.	DOCUMENTS	
1.	General Contract between Turner and the Owner including all attachments	
2.	All documents in bid manual including but not limited to:	
	Drawings	
	Specifications	
	Scope of Work (Attachment B)	
	General Requirements	
	General Conditions	
	Special Conditions	
	Sample Subcontract Agreement Form (Form 36)	
3.	Bid Manual including all <b>Sketches</b> and <b>Attachments</b> prepared by Turner Construction and listed below	
4.	Attachments	
	a. Attachment C - Safety Program	
	b. Attachment E - Accounting Procedures	
c. Attachment F - Percentage Markup		
	d. Attachment G - BP-02 Bid Schedule	
	e. Attachment H - BIM General Requirements	
	f. Attachment I - LEAN Subcontract Exhibit	
	g. Attachment K - CCIP Manual	
	h. Attachment L - Tree Protection Standards	
	i. Attachment M – Waste Management Standard	
	j. Attachment N – Turner Subcontractor Onboarding	
_	k. Attachment O – UK HEB Enhancing Worker Experience Plan	
5.	Sketches  Sketches	
	<ul><li>a. SK-001 – BMP Phasing Plan</li><li>b. SK-002 – Phase Site Logistics Plan</li></ul>	
c. SK-003 – Estimated Rock Surface		
	d. SK-004 – Trailer and Laydown Setup	
	e. SK-005 – Tower Crane Reinforcement (ADD #3)	
	f. SK-006 – BP-02 Site Storm Installation Plan (ADD #3)	
6.	Specifications	

8.

whole.

# Attachment "B" SCOPE OF WORK TC-014 – Site Excavation

The following specification sections are listed as the responsibility of the Subcontractor in defining its area of work on this project. Unless specifically indicated otherwise or excluded below, this Contractor is responsible for the complete specification sections indicated below. a. Section 02 4116 - Structure Demolition (ADD #3) b. Section 03 0300 - Structural Excavation and Backfill c. Section 03 3000 - Cast-in-Place Concrete d. Section 07 1326 - Self Adhering Waterproofing e. Section 22 1313 - Facility Sanitary Sewers f. Section 31 2000 - Earth Moving g. Section 31 2001 - Storm Water Pollution Prevention Plan h. Section 31 2319 - Dewatering Section 31 3116 - Termite Control Section 33 0507.23 - Utility Auger Boring Section 33 4100 - Storm Utility Drainage Piping Divisions 00 and 01 of the Specifications are general in nature, and apply to all Subcontracts. These 7. sections are included "complete" as part of this Subcontract Agreement. The Contractor is also responsible for trade specifications not specifically listed above but required by

reference in the listed specifications or as required to perform the scope of work described herein, as well as

the Bidding Requirements, Contracting Requirements and the use of the Construction Documents as a

C.	SPECIFIC SCOPE ITEMS		
1.	Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed.		
2.	Examination of Site – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.		
3.	Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work.		
4.	<b>SITE LOGISTICS</b> : Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance.		
5.	Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above.		
6.	Subcontractor understands that <b>time is of the essence</b> in the prosecution of Work under this agreement.		
7.	Verify layout provided by others. Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.		
8.	All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location.		
9.	This Subcontractor will comply with <b>Turner's corporate safety policy</b> contained in Attachment C of this Scope of Work.		
10.	Refer to Project "General Work Requirements" in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors, and they shall include those costs in their respective total lump sum bid price.		
11.	This contractor is required for their full-time superintendent to be onsite at all times to assist in the coordination of the project. This person is to have no labor responsibilities onsite.		
12.	All unloading, distribution, staging, hoisting, rigging, scaffolding, lifts, platforms, scissor lifts, boom lifts, planking, guying, sheeting, shoring, dewatering, bracing transportation, access for material, equipment and personnel required to perform this work is included in this contract.		
13.	This Subcontractor is responsible to repair any asphalt, roadway, curb/gutter, granite, and sidewalk outside the area of demolition that is damaged by this Contractor, their Subcontractors, or haulers.		
14.	This contractor is to prepare and submit for review all plans and certifications, etc. required by the EPA, OSHA, Turner Construction policies, and all other governing bodies.		

15.	Provide <b>street cleaning</b> as necessary, with a minimum of twice daily for the duration of this contract. Provide power sweeping and scrubbing of all paved areas, sidewalks, etc. soiled because of the work to the satisfaction of the Construction Manager. This Trade Contractor must clean all adjacent streets and maintain as if there were no construction site in the area. Street must be immediately swept and cleaned if there is excessive tracking as determined by the Construction Manager. All costs associated with street cleaning, inclusive of permits and fines will be the responsibility of this Trade Contract. Provide additional (40) hours to be used at the discretion of Construction Manager.		
16.	Initial building control and benchmarks will be established by TC-006. TC-014 required to employ a registered surveyor to provide all engineering and layout to complete this scope of work. This Trade Contractor will also be responsible to maintain all survey layout within work area for the duration of the contract.  a. Trade Contractor is also responsible for their own grade checks as work progresses.  b. Provide additional (40) hours of survey to be used at the discretion of the Construction Manager.		
17.	Early site environmental protection will be provided by TC-008. TC-014 will be responsible to provide and maintain any BMPs within the work area due to damages or negligence by this scope of work. Reference project drawings and specifications for silt fence and silt trap details. Removal of silt fencing will be by others near project completion. Include adequate dust control required for the scope of work and assume all dust-producing activities must be performed "wet" in accordance with the infection control guidelines.  a. TC-014 shall provide and maintain the phase 2 BMPs per SK-001. This includes necessary silt fence and (2) construction roads from Huguelet Drive.  i. TC-014 to maintain "clean" and functional construction entrances to the site for the duration of the scope of work.  b. This Trade Contractor must meet all requirements outlined in specification 31 2001 including all certifications, trainings, permits, etc.		
18.	Provide all hauling and/or dumpsters required for all site demolition and/or mass excavation activities as needed.  a. See section <b>01 7419 Construction Waste Management and Disposal</b> for additional information.		
19.	This Trade Contractor shall provide SITE DEMOLITION as shown on Contract Documents and in accordance with section 02 4116 and division 01 (ADD #3). This work includes but is not limited to the following:  a. All required cutting and removal of existing pavement, curbs, concrete, and associated base materials where required to perform the work. Properly dispose of all spoils off site.  i. Include demo and removal of curb on east side of Dimock building.  ii. Note the asphalt and curb within the tree canopy protection zone to remain per note 15 on C200.  b. Trade Contractor to complete the storm and sanitary piping demolition as noted on C200, MU-101, and MU-102.  i. Include all required patching of structures as indicated on the Contract Documents.  c. Include demo of abandoned steam vault per note MD15 on MU-101  d. This Trade Contractor shall remove (12) tree stumps less than 24" in diameter within the building footprint as shown on SK-002.6.		
20.	This Trade Contractor shall provide <b>temporary construction</b> work as shown on the project logistics plan and as noted below:  a. Trade Contractor to provide an 8" of "3-inch minus" gravel for roadways / staging areas as shown on SK-002.6. This is approximately 1800 cubic yards that is to be installed as directed by the CM.  i. Include time and materials to maintain gravel for duration of work scope.  ii. Repair and/or refresh gravel for roadways / staging areas prior to steel erection. Include separate remobilization to complete this work.  b. Road plates at north side. (ADD #3)  c. Provide continuous vibration monitoring at 3 separate locations for the duration of this scope of work. Locations to be coordinated with Monitoring functions shall have capabilities to alert if a certain threshold is exceeded and be able to produce data for real time analysis. (ADD #3)		
21.	This Trade Contractor shall include all materials, labor, tools, and equipment required to install a complete and functioning <b>SITE SANITARY</b> system as shown on Contract Documents and in accordance with section 22 1313. This work includes but is not limited to the following:		

	a. All excavation, shoring, boring, sleeves, permits, manhole and piping installations.		
	b. Provide temporary fencing around all open excavations.		
	c. Include all necessary <b>tree protection</b> as required by the UK tree protection standards. Reference 'Attachment L'.		
	i. This contractor to include \$5,000 for additional tree protection measures as directed by the CM. (ADD #3)		
	d. Include all pump around equipment and systems necessary to install the new sanitary systems.		
	Coordinate connection with owner via outage process to minimize utility down time.		
	i. Refer to note 8 on C500 for potential pump around needs.		
	e. All underground piping shall be tested and inspected prior to covering work.		
	f. TC-014 shall project the sanitary piping 5' into the new building footprint for the final connections by others. Include plugging / capping of pipe ends where it enters the building.		
	<ul> <li>g. Coordinate layout of all underground work with concrete foundations, temporary crane pads and retention system layout.</li> </ul>		
	h. All work of this Trade Contract shall be properly coordinated with the LFCUG, UK, and any other		
	authorities having jurisdiction inclusive of premium time for night work required by said authorities.		
	i. Work along Veterans Drive shall be coordinated and installed to allow the flow of traffic (i.e.		
	no more than 1 lane to be obstructed).		
	i. Trade Contractor shall include all necessary shoring / lagging for all bore pits, receiving pits, and		
	open trench cuts as required to limit the amount of ground disturbed for the installation of this work.		
	i. Include all patching and repairs to return surfaces to like conditions because of this work.		
	Including but not limited to asphalt, sidewalks, landscaping, etc.		
	ii. TC-014 to include any necessary backfill and compaction of bore pit locations to match adjacent grade.		
	iii. Bring bottom of bore pit up to bottom of building footings and tower crane foundations		
	adjacent with 4,000 psi concrete fill per Contract Drawings.		
This Trade Contractor shall include all materials, labor, tools, and equipment required to install a PARTL and functioning SITE STORM system as shown on Contract Documents and in accordance with section 4100, C600, and C601 and SK-006 (ADD #3). This work includes but is not limited to the following:  a. All water quality units and manholes to assist with early dewatering and foundation drain			
			connections.
			b. North: WQ#1, 8A and Huguelet Drive curb inlet (A-2) and connection to existing curb inlet for
		22.	dewatering. All piping in between. Include all necessary roadway outages and coordination for tie-
	ins. (ADD #3)		
	c. South: WQ#2, 8B, all piping and structures as shown on the west side of the building stopping at		
	d. Include separate mobilization to adjust and set final locations of inlets, curb inlets, rim elevations,		
	d. Include separate mobilization to adjust and set final locations of inlets, curb inlets, rim elevations, and other items built into the final grading once foundation wall backfill, and lagging removal is		
	completed.		
	e. This contractor to include all piping, structures, etc. as noted on SK-006. (ADD #3)		
	Provide a complete <b>retention system</b> , all shoring, and underpinning as shown on Contract Documents,		
	project logistics plan, and as specified. Retention system to be designed and stamped by a professional		
	engineer registered in the Commonwealth of Kentucky under this contract. Provide detailed plan with		
drawings for excavation and retention work.  a. Provide retention system for all sides of the building footprint (see SK-002.5). The go			
			a drive lane the full perimeter of the building while also avoiding the existing utilities in the area.
22	b. When designing the retention system, special care shall be taken around the existing utilities in the		
23.	area.		
	<ul> <li>i. Include coordination of potential bore / receive pit locations when designing retention system.</li> </ul>		
	c. When designing the retention system, openings in the retention system for utility connections to the		
	building shall be installed by this Trade Contractor. Reference Contract Documents for locations and		
	quantities.		
	i. Include an additional (10) 24" x 24" openings within the retention system to be directed by		
	the Construction Manager.		

- d. The Trade Contractor's engineer shall validate needed systems to retain soil to prevent movement of any existing installations.
- e. Retention system should be designed to withstand construction loading (i.e. fully loaded concrete trucks, ground forces for crane outriggers, etc.)
- f. Retention shall also include cable guardrails with snow-fence for leading edge protection. Allow 4'-0" from outside of foundation wall or 18" from outside edge of footing (whichever is greater) to face of lagging.
  - i. Cable guardrail design should adhere to Turner's corporate safety policy.
    - 1. Include (12) openings in cable guardrail at top of earth retention for walk planks into building and stair towers into the garden level. Locations to be determined by Construction Manager. The openings may occur later once level 1 SOMD is installed.
- g. This Contractor to include removal of the retention system (including guardrail system) to a minimum 36" below finish grade in conjunction with foundation backfill. Maintain a leading-edge CAZ at all times; fence off when backfill operations are not being performed.
  - Coordinate with other utilities or foundations that may require the lagging to be left at a lower elevation.
- h. TC-014 to include retention for chilled water vault per MU-201. See S-702 and S-703 for sizing and details. Coordinate with foundations contractor for final location and sizing.
- i. TC-014 to include retention for the north and south crane pad locations per SK-002.5. Assume the pads to be 25' x 25' in size. (ADD #4)
- j. Provide as-built drawing of final retention system to be turned over to the Owner and Construction Manager for future coordination.

Complete all **earthwork and grading** as shown on contract documents and as specified in Division 31 Earthwork. Work includes but is not limited to clearing and grubbing, excavation, hauling, stockpiling (no onsite stockpiling), backfill (with suitable material), compaction, etc. as required by the Contract Documents. This work is inclusive of exploratory work specified in the General Work Requirements.

- a. This contractor is to include hydro-vacuum location of all existing utilities within the building pad and site areas prior to mass excavation. Contractor shall locate all individual utilities at three (3) locations along their expected run. The allowance in this work scope is for "extra" hydro-vacuum work at the discretion of the Construction Manager.
- b. Excavate the "main" building pad area to the subgrade elevations shown on drawing C300 and other civil drawings. Excavate rock to minimum elevation shown or if rock is lower, excavate subgrade to elevation indicated.
  - i. Elevator pit rock removal included in this scope of work. Backfill with stone to surrounding elevations. Removal of loose stone by others.
- c. Tower crane foundation excavation to be completed by this Trade Contractor and shall be coordinated with the retention system and concrete foundation contractor. Foundation to be excavated to bear on rock (reference included Geotechnical report). (ADD #3)
  - i. Assume (2) 25' x 25' pads
  - ii. South crane top of pad is 981'. Assume pad thickness to be 5'-6" 6'-4" (ADD #3)
  - iii. North crane top of pad is 997'. Assume pad thickness to be 5'-6" 6'-4" (ADD #3)
- d. Include "rough" trimming, shaping, and dressing of all slopes to an elevation of approximately 6" below finish grading for disturbed areas. Final grading of the project site at completion is not part of this work scope.
- e. Excavation of unsuitable material and disposal of all excavated material. Replace unsuitable materials in conjunction with the specifications and Geotechnical Report.
- f. Fill back under cut of rock and soil excavation with 4" of #2 stone and 2" of compacted #57 stone per C300.
- g. Trade Contractor to include rock removal as necessary to slope into basement area on south and west for equipment access. Assume 10% grade on all ramps. Reference SK-002.5
- h. Trade Contractor to ensure that wet soils can be hauled and disposed of. Rain days should not affect excavation activity of the main building pad.
- . TC-014 to maintain emergency egress throughout earthwork and grading activities.

24.

	This Trade Contractor shall include all materials, labor, tools, and equipment required to install a complete and functioning <b>DEWATERING</b> system as shown on Contract Documents and in accordance with section 31
	<ul> <li>a. In addition, this contractor is to install and leave at the completion of this scope four (4) sump pits for the purposes of dewatering the building excavation. Provide and leave four (4) utility pumps with integral floats with a minimum flow rate of 60gpm at 20 ft of head. Dewatering should include all necessary rigid piping for the pits and means to move the water outside of the excavation. Maintain pumps during your site activities.</li> </ul>
25.	<ul> <li>i. Assume multiple rock trenches to be installed to create functional drainage system.</li> <li>b. Locations of pits to be determined by the Construction Manager with coordination of TC-015 Foundations contractor.</li> </ul>
	<ul> <li>c. This Contractor shall also include (2) temporary pumps with integral floats for manholes 8A and 8B.</li> <li>d. TC-014 to include direct bury of electrical pathways for protection of temporary power that is to be coordinated with TC-009 Site Electric contractor.</li> </ul>
	<ul> <li>e. Assume use of filters, dewatering bags, or other means to prevent pumping / discharging fine sediments onto surrounding properties or into storm sewers or streams.</li> <li>f. Trade Contractor responsible to ensure dewatering system functional for duration of this scope of</li> </ul>
	work. Include off hours maintenance as required.
	This contractor is to include all <b>waterproofing</b> , <b>protection board</b> , <b>insulation</b> , <b>sub-drainage</b> , <b>and backfill</b> of new foundation walls from building subgrade to SOG, or as detailed in the project details. Complete in accordance with Contract Documents and with Division 07 Thermal and Moisture Protection, and Division 33 Utilities.
26.	<ul> <li>a. Include all foundation sub-drainage piping per Division 33. Coordinate pipe outlet to nearest catch basin, manhole, or as shown on the site utility (or other) drawings.</li> <li>b. Include backfill of exterior foundation walls with qualified and allowed backfill materials per the specifications. This contractor to include granular "drainage column" above the foundation drain with backfill to rough project grades. This work will include the installation of the geotextile filter fabric per</li> </ul>
	specifications.  i. Trade Contractor shall install foundation drainage and install single lift of waterproofing system prior to SOG and level 1 SOMD being placed.
	<ul> <li>Full height backfill of foundation walls cannot be completed until SOG and level 1 SOMD is placed. Include separate mobilization for full height backfill and waterproofing of foundation walls. Fire blankets will be provided by others to protect initial lift of waterproofing systems. This Trade Contractor should include removal of blankets and any other protective materials ahead of new installations.</li> </ul>
	Provide shoring, support and protection of existing communications vault and duct bank as needed to complete the site excavation scope of work. Hand excavation and temporary supports will be necessary
	during mass excavation to protect existing utilities.
	<ul> <li>a. Reference survey drawings for approximate location and bottom elevations of duct bank.</li> <li>b. Shoring system to be designed and stamped by a professional engineer registered in the Commonwealth of Kentucky under this contract. Coordinate shoring with level 1 structural steel layout. Temporary support and shoring system shall be submitted for review by project Engineer of Record (ADD #3).</li> </ul>
	c. <b>Extreme care and caution</b> should be taken near this area during excavation and all work around the utilities should be coordinated with the Construction Manager and Owner.
27.	<ul> <li>d. Include \$10,000 allowance for third party review by a structural engineer firm of Turner's choosing to perform a 3<sup>rd</sup> party safety verification of this contractor's temporary support and shoring plan (ADD #3).</li> </ul>
	<ul> <li>e. This contractor shall support existing cables that are within the existing manhole that is to be demolished and removed by this contractor (ADD #3).</li> </ul>
	f. Communications ductbank temporary support system shall not be supported by scaffolding or
	similar system. This support system shall be suspended utilizing overhead beams, trusses, pipes, etc If suspending ductbank from above, chains, cable, or metal strapping shall be used.
	Temporary support system shall provide sufficient clearance to allow foundation wall construction and concrete operations to occur. This includes any temporary support system above or adjacent to

	the foundation wall. Temporary support system shall also provide adequate clearance above and adjacent to future building structural steel that will permanently support existing ductbank (ADD #3).  g. Where necessary to incorporate interim post and lintels, within or outside the building footprint, tip elevations of posts shall be coordinated to be below a sufficient distance of bottom of nearby building foundation elevations. Extreme caution shall be taken while hoe ramming rock in the immediate post areas. Following excavation to subgrade elevation, all interim posts are to be protected by New movable concrete jersey barriers to provide protection of posts during construction activities that may occur beyond this scope of work. Barriers to be removed by this contractor after final steel support is installed but are to remain with the project. Include costs to transport to nearby Turner Construction laydown yard. No rental of concrete jersey barriers is allowed (ADD #3).  h. This contractor shall coordinate their temporary support and shoring system of the existing communications ductbank with the final structural support steel of the existing communications ductbank. Reference the documents for future final support steel design. Coordination includes but not limited to multiple meetings with project Engineer of Record and this contractors Engineer, and adjustment of interim post locations to avoid interference of future structural steel installations (ADD #3).  i. Complete temporary support system to be removed by this contractor at a later date after 1st floor SOMD has been placed and cured in this area and final structural support structure installed. Reference Sheet S-408 for final comm duct bank support structure design. This contractor to remove all posts to be below SOG elevation and grout fill any abandoned	
28.	posts. (ADD #3)  Exercise care to preserve material below and beyond the limits of excavation. Where excavation is carried out, through error, below indicated grade or beyond the lines of excavation, backfill to the indicated grade, compact with approved fill and/or place 4,000 psi structural fill at no additional cost to the Owner, and at the direction of the Engineer or Geotechnical Consultant.	
29.	Contractor shall verify all elevations of structures and piping during and after installation. Provide as-built drawings generated by a licensed surveyor documenting X, Y, Z coordinates of structures, invert elevations of all pipe and elevations of bottom of structures / castings.	
30.	All work of this Trade Contract shall be properly coordinated with the LFUCG, UK, and any other authorities having jurisdiction inclusive of premium time for night work required by said authorities.	
31.	At the conclusion of the project and upon approval from the Construction Manager, this Trade Contractor shall perform a thorough final cleaning of the project site inclusive of walks, slabs, adjacent roadways, and hardscaped areas to turn over in "new condition".	
32.	This contractor to include the sewer tap fees as outlined in Article 02 of the Special Conditions. (ADD #3)	

D.	EXCLUSIONS
1.	The Scope of Work shall exclude the following:
a.	Payment & Performance Bond

E.	ALLOWANCES	
The Contract Sum shall be the addition of a base bid amount plus allowances. It is expressly understood an agreed that all allowance work will be completed within the original schedule. Progress Payments will be material against Allowance expenditures, based on approved monthly invoices & written Allowance Authorization fro Turner. Any unused funds remaining in these allowances will be credited back to the Project.  Only direct Labor, Material, and Equipment costs authorized in writing by Turner after approval by the Owner are to be charged to the Allowance. The Subcontractor's cost for all overhead and profit on the allowance amount shall be included in the base bid amount and not in the allowance amount.		gress Payments will be made llowance Authorization from the Project.  after approval by the Owner I profit on the allowance
1	Document Control Server Allowance	\$3,000
2	Additional Hydro Vacuum Allowance	\$20,000
3	Additional Stone Allowance	\$10,000

	4	Additional Ductbank Temporary Support/Shoring Allowance	\$50,000 (ADD #3)
Ī	5	Additional Sewer Tap Fees Allowance	\$20,000 (ADD #4)

F.	SCHEDULE
	Schedule information is included within the bid manual <b>(Attachment G)</b> to aid the Subcontractor in anticipating material deliveries, and manpower and equipment requirements. The information describes only the major activities of this scope of work and does not attempt to describe any out of sequence work required.
	The Contractor must confirm that you will meet the project schedule as indicated in the bid manual.
	It is <u>absolutely critical</u> that the work of this contract be completed by the dates defined. The intention is that the Subcontractor must provide sufficient labor, equipment, overtime, supervision, etc. to overcome weather delays.

G.	ALTERNATES
	The following "Alternate(s)" may be accepted and incorporated herein as part of the Scope of Work for the respective price. Inasmuch as these Alternates were anticipated from the inception of the project and were priced accordingly, all overhead, profit and escalation has been included within the lump sum amount and the price shall remain firm throughout the duration of the project, unless specifically noted. Indicate Add/Deduct Price on the Form of Proposal.
ALT.1	None

#### PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

# UK Construct Health Education Building UK PROJECT 2564.0

### Attachment "B" SCOPE OF WORK TC-014 – Site Excavation

# LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidders will be required to complete and submit to the University the following information by twelve o'clock (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER

#### IDENTIFICATION OF DIVERSE BUSINESS ENTERPRISE SUBCONTRACTORS AND MATERIAL SUPPLIERS

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.

#### Participation of DBE owned Contractors and businesses.

The University of Kentucky encourages and supports the participation Diverse Business Enterprises. Please list Subcontractors and Material Suppliers according to following Ethnic Vendor List or if they are a Woman Owned Business:

- Asian
- Black/African American
- Hispanic or Latino
- Native American Native Hawaiian/Pacific Islander

DRE (Ethnic or Woman) Subcontractors

- White
- Other

DBE (Ethni	c or Woman)	Material Supp	pliers		
DBE (Ethni	c or Woman)	Material Supp	pliers		
DBE (Ethni	c or Woman)	Material Supp	pliers		
DBE (Ethni	c or Woman)	Material Supp	pliers		