



ADDENDUM No. 1

Bid Number: **#115-2022**

Date: October 6, 2022

Subject: West Hickman Trunk E Sewer Improvements
Remedial Measures Plan ID No. WH-10

Address inquiries to:
Q&A Module on Ion Wave

Brian Marcum
brianm@lexingtonky.gov
(859) 258-3325

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced Bid:

	Questions	Answers
1.	None at this time.	
2.		
3.		

1. CLARIFICATIONS

A. None at this time.

2. DRAWINGS

A. None at this time.

3. SPECIFICATIONS

A. Section 00100 – Advertisement for Bids

Replace Paragraph 1.12 with the following:

A mandatory pre-Bid meeting will be held at **10:00 am local time, October 12, 2022**, and will be a hybrid meeting. The in-person meeting will be held at the LFUCG DWQ building in the upstairs conference room at Lisle Industrial Avenue and via MS Teams. The direct link to the Teams meeting is below:





https://teams.microsoft.com//meetup-join/19%3ameeting_ZTE5YTUxY2ltZGlxMC00MjQxLWFIOGYtMWMwZTBiNWl3NGQz%40thread.v2/0?context=%7b%22Tid%22%3a%22083fc4d2-72ad-412b-ae7d-6b81b83916dd%22%2c%22Oid%22%3a%22fdade983-a266-44d5-9446-1570bdf80205%22%7d

For audio only, the call-in number and conference ID is below:

[1 347-991-7874](tel:13479917874)

[625066289#](tel:625066289)

The following QR Code can also be scanned as a link to Teams meeting:



B. Section 00410 – Bid Form

Replace Pages 00410-5 through 00410-10 with attached revised Bid Schedule. **(Item 5 has become Item 88 and the remaining items have been renumbered.)**

C. Section 01025 – Measurement and Payment

Replace Paragraph 2.05 Third Party Professional Pre-Construction Photographic Documentation with the following:

An allocation has been established for pre-construction photographic documentation by a third-party professional. Payment is for all labor, materials, equipment, and other incidental costs required to perform the directed work per Section 01323.





D. Section 01210 – Allowances

Add the following Paragraph 1.01C2:

Third Party Professional Pre-Construction Photographic Documentation - \$3,000

E. Section 01323 – Third Party Professional Pre-Construction Photographic Documentation

Add attached Section (Pages 01323-1 through 01323-3).

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Bid and specifications are unchanged.
This letter should be signed, attached to and become a part of your Bid.

COMPANY NAME: Connhurst, LLC

ADDRESS: 879 Wilson Run Road, Wallingford KY 41093

SIGNATURE OF BIDDER: *Todd R. Conn*



- F. Preliminary indication all areas where potential ground modification strategies are anticipated or will be further explored by the Bidder upon award of the Contract.

For a lump sum based bid, the item total is the bid amount the Owner uses for bid comparison.

For a unit price based bid, the sum of the item totals is the bid amount the Owner uses for bid comparison.

The Bidder must indicate the base bid pipe material by circling the selected pipe material at the time of the submission of the Bid.

The Owner's decision on the bid amount is final.

BID SCHEDULE

Item	Description	Qty	Unit	Unit Price	Item Price
1	Mobilization	1	LS		
2	Bonds and Insurance	1	LS		
3	General Requirements	1	LS		
4	Demobilization	1	LS		
5	Clearing & Grubbing	1	LS		
6	Tree Protection Fence	240	LF		
7	Erosion and Sediment Control and Conformance with SWPPP	1	LS		
8	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement)	100	EA	See Addendum #2	
9	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement)	2	EA		
10	PVC (SDR) 35 Gravity Sewer Lateral (Directly connected to Manhole)	6	EA		
11	10-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, PVC,FRP)	49	LF		
12	15-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC,FRP)	115	LF		
13	16-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, Creek Crossing)	35	LF		
14	16-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, Creek Crossing)	54	LF		
15	16-Inch Gravity Sewer Pipe,10.1' to 15.0' depth (DIP, Creek Crossing)	124	LF		
16	24-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC,FRP)	158	LF		
17	24-Inch Gravity Sewer Pipe,10.1' to 15.0' depth (DIP, PVC,FRP)	56	LF		

18	24-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC,FRP)	69	LF		
19	24-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, Creek Crossing)	49	LF		
20	30-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC,FRP,PP)	2,377	LF		
21	30-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC,FRP,PP)	730	LF		
22	30-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC,FRP,PP)	62	LF		
23	36-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC,FRP,PP)	164	LF		
24	36-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC,FRP,PP)	1,094	LF		
25	36-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC,FRP,PP)	614	LF	See Addendum #2	
26	42-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC,FRP,PP)	842	LF		
27	48-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC,FRP,PP)	480	LF		
28	48-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC,FRP,PP)	228	LF		
29	<p>Tunnel Line Segment Pipe - (23), West Hickman Creek at New Circle Rd., 305 LF of 48-inch casing pipe with a 30-inch carrier pipe. See Tunneling Method Table in the Project Specific Notes for additional information.</p> <p><u>Tunneling Method (Circle One)</u></p> <ul style="list-style-type: none"> • Microtunneling Boring Machine (MTBM) • Tunnel Boring Machine (TBM) • Pipe Jacking with Shield (PJ/S) • Guided Bore and Jack (GB&J) 	1	LS		
30	Tunneling (Extra as Directed by Engineer Item)	1	LF		
31	Manhole Abandonment	1	EA		
32	Standard Manhole, 4-foot diameter, 0' to 6.0' depth	5	EA		
33	Standard Manhole, 4-foot diameter VF	4	VF		
34	Drop Manhole, 4-foot diameter, 0' to 6.0' depth	1	EA		
35	Drop Manhole, 4-foot diameter VF	1	VF		

36	Standard Manhole, 5-foot diameter, 0' to 6.0' depth	9	EA		
37	Standard Manhole, 5-foot diameter VF	23	VF		
38	Drop Manhole, 5-foot diameter, 0' to 6.0' depth	2	EA		
39	Drop Manhole, 5-foot diameter VF	13	VF		
40	Standard Manhole, 6-foot diameter, 0' to 6.0' depth	14	EA		
41	Standard Manhole, 6-foot diameter VF	70	VF		
42	Drop Manhole, 6-foot diameter, 0' to 6.0' depth	5	EA		
43	Drop Manhole, 6-foot diameter VF	31	VF		
44	Standard Manhole, 8-foot diameter, 0' to 6.0' depth	3	EA		
45	Standard Manhole, 8-foot diameter VF	30	VF	See Addendum #2	
46	Manhole Anti-Flotation Collar	18	EA		
47	Reconnect Existing 8-inch Gravity Sewer to New Manhole	15	EA		
48	Reconnect Existing 10-inch Gravity Sewer to New Manhole	5	EA		
49	Reconnect Existing 12-inch Gravity Sewer to New Manhole	1	EA		
50	Reconnect Existing 15-inch Gravity Sewer to New Manhole	1	EA		
51	Reconnect Existing 24-inch Gravity Sewer to New Manhole	1	EA		
52	Reconnect Existing 48-inch Gravity Sewer to New Manhole	1	EA		
53	Cut and Cap Existing 8-inch Sewer	2	EA		
54	Cut and Cap Existing 24-inch Sewer	2	EA		
55	Pipe Abandonment, Safeload, 24-inch pipe	327	LF		
56	Video inspection of new sewer pipe	7,553	LF		
57	Bituminous Pavement: Trench Construction, Street	5,333	SY		
58	Portland Cement Concrete: Private Driveway Apron only	75	SY		

59	Bituminous Pavement: Private Driveway	181	SY		
60	Portland Cement Concrete Pavement: Private Driveway	200	SY		
61	Sidewalk Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	173	SY		
62	Sidewalk Ramps, Including Detectable Warning Strips	1	EA		
63	Roadway Striping	100	LF		
64	Miscellaneous Roadway Markings	1	LS		
65	Removal & Replacement 24-inch RCP Storm Sewer (including Headwall)	205	LF		
66	Removal & Replacement 15-inch RCP Storm Sewer	50	LF		
67	Removal & Replacement 12-inch RCP Storm Sewer	10	LF		
68	Removal & Replacement CBI (TYPE "B")	3	EA	See Addendum #2	
69	Concrete Curb Removal and Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	385	LF		
70	Bypass Pumping and Setup	1	LS		
71	Maintenance of Traffic	1	LS		
72	Site Restoration, Method A	100	SY		
73	Site Restoration, Method B	11,287	SY		
74	Site Restoration, Method C	100	SY		
75	Seeding, Temporary, Extra as directed by Engineer	100	SY		
76	Dense Graded Aggregate - DGA, Extra as directed by Engineer	1	Ton		
77	No. 9 Crushed Stone, Extra as directed by Engineer	1	Ton		
78	No. 57 Crushed Stone, Extra as directed by Engineer	1	Ton		
79	No. 2 Crushed Stone, Extra as directed by Engineer	1	Ton		
80	Install Cleanout, Extra as directed by Engineer	10	EA		

81	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement), Extra as directed by Engineer	100	LF		
82	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement), Extra as directed by Engineer	100	LF		
83	Combo Vacuum/Hydraulic Jet/Hydro Excavator, extra as directed by Engineer	10	HR		
84	Sidewalk Replacement, Extra as directed by Engineer	1	SY		
85	Concrete Curb Removal and Replacement, Extra as directed by Engineer	1	LF		See Addendum #2
86	Easement and Property Requirements (MOU Conditions)	1	LS		
87	Allowance: Miscellaneous Site Improvements	1	LS	\$500,000	
88	Allowance: Third Party professional pre-construction photographic documentation	1	LS	\$3,000	
TOTAL BID (Items 1 thru 88)					

TOTAL BID AMOUNT:

_____ Dollars (\$ _____)

Respectfully Submitted,

FIRM: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

DATE: _____

BY: _____

(must be original signature)

TITLE: _____

PHONE: _____ FAX: _____

(area code, number & extension)

EMAIL ADDRESS: _____

OFFICIAL ADDRESS AND PHONE:

(Seal if Bid is by Corporation)

By signing this form you agree to all of the terms and associated forms.

SECTION 01323 -

THIRD PARTY PROFESSIONAL PRE-CONSTRUCTION PHOTOGRAPHIC DOCUMENTATION

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings, Procurement and Contracting Requirements, and General Requirements.

1.02 SUMMARY

- A. Section Includes:
 - 1. Photographic documentation.

1.03 PRICE AND PAYMENT PROCEDURES

- A. Refer to Division 1 for general requirements for Allowances, Unit Prices, and Alternates.

1.04 PHOTOGRAPHIC AND VIDEO DOCUMENTATION VENDORS

- A. Provide services from the following, or OWNER approved equal:
 - 1. Multivista, Website: www.multivista.com, Email: m.rolfe@multivista.com, (614) 352-0555, 1001 Eastwind Drive, Suite 110, Westerville, Ohio 43081.
 - 2. Self-performed pre-construction photographic documentation will not be accepted.

1.05 QUALITY ASSURANCE

- A. Vendor Qualifications, General: Specialist (not the General Contractor or Construction Manager), experienced in construction photographic and video documentation for each type of equipment, technology, and service specified, carrying OSHA certifications, related insurance coverage(s), and other certification and clearances required for operations on the Project site, having a minimum of five years' experience engaged as a professional photographer/videographer of construction projects while using an advanced software platform, indexing system, and navigation interface, and having examples of at least 5 construction projects in the past 2 years of similar type, size, duration and complexity to this Project. Demonstrate the ability to contract through the project schedule. Must have a local office within 100 miles of the project site and be able to respond to site visit requests with qualified personnel within 24 hours of notice. Must respond to service and support requests/inquiries within 24 hours. Submit qualifications upon request.
 - 1. In-House Software Programming And Development Team: Photographic and Video Documenter directly employs in-house software programming and development team to support, maintain, and when needed customize the software platform, online interface, mobile application, and BIM model integration services.

2. Attend Project meetings as required. Participate in any required project safety training.

1.06 PROJECT CONDITIONS

- A. Verification for Photographic and Video Documentation, General:
 1. Verify site conditions are acceptable for documentation work to proceed.
 2. Notify Client of obstructions that impede documentation progress.
 3. Verify necessity for access to neighboring properties and/or buildings, if any.
 - a. Notify Client of required access to neighboring property 7 calendar days prior to proceeding with field work.

1.07 PHOTOGRAPHIC AND VIDEO DOCUMENTATION, GENERAL

- A. Single Source: Perform each type of documentation specified in this Section under a single Photographic and Video Documenter's responsibility, who meets the Vendor Qualifications specified in this Section's Quality Assurance Article.
- B. Provide factual presentation. Provide correct exposure and focus, high resolution and sharpness, maximum depth of field, and minimum distortion.
- C. Use overlapping photographic techniques to ensure maximum coverage, including 360 degrees of exterior and interior features, where applicable.
- D. Identification for Each Photograph and Video:
 1. Project name.
 2. Orientation in Key Plan.
 3. Date taken.
- E. Milestone Documentation: Document conditions prior to each construction milestone, including but not limited to each of the following:
 1. Site Existing Conditions:
 - a. Document site to limits of the Work as indicated on Contract Drawings, and immediately surrounding area.
 - b. Document access roads/properties, a minimum of 250' from the construction limits, and immediately surrounding areas.

- F. Permanent Record: Provide offline, digital media copies of final standard photographic, video, and webcam documentation ("The Permanent Record") upon completion of the contract.
1. Permanent Record shall include the underlying software platform, indexing and navigation system, typically as a DVD flash drive or external hard drive. Include one multiple-user license for the underlying software, indexing and navigation for accessing the digital media.
 2. Online access shall terminate upon delivery of the final documentation copies or as otherwise agreed by the Client.
 3. Intellectual property rights associated with the documentation prepared in direct service of the Project shall transfer to the Client, along with the digital media itself.
- G. Additional Types of Documentation: If requested by Client or Client's agent in writing, make proposal for additional documentation not covered in the scope of this Section. Provide such additional documentation if approved by written Change Order.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION

**ADDENDUM No. 2**Bid Number: **#115-2022**

Date: October 17, 2022

Subject: West Hickman Trunk E Sewer Improvements
Remedial Measures Plan ID No. WH-10Address inquiries to:
Q&A Module on Ion WaveBrian Marcum
brianm@lexingtonky.gov
(859) 258-3325**TO ALL PROSPECTIVE SUBMITTERS:**

Please be advised of the following clarifications to the above referenced Bid:

Questions Submitted Prior to Addendum #1		
	Questions	Answers
1.	Any jack and bore of steel casing pipe?	Yes, refer to Plans and Specifications.
2.	Can a pay item be added for Removal and Replacement of 30-inch RCP Storm Sewer shown on plan sheets CE2 & CE3?	No, a Pay Item will not be added. Keynote #16 is hereby revised to include "work is considered incidental".
3.	Can a pay item be added for Removal and Replacement of 18-inch RCP Storm Sewer shown on plan sheet CE4?	No, a Pay Item will not be added. Keynote #16 is hereby revised to include "work is considered incidental".
4.	Can a pay item be added for Keynote 29 – Concrete Flumes to be replaced in kind on plan sheet CE6?	No, a Pay Item will not be added. Keynote #29 is hereby revised to include "work is considered incidental".
5.	Will pay item 75 – Site Restoration, Method C be used to pay for Keynote 30 on plan sheet CE6?	Yes, Pay Item #75 (Addendum #1 Pay Item #74) can be used to pay for Keynote #30.





6.	Can the quantity for pay item 64 – Roadway Striping be checked?	<p>The quantity for Pay Item #64 (Addendum #1 Pay Item #63) has been revised to 4,350 LF. Pay Item #64 (Addendum #1 Pay Item #63) is clarified further in the Specifications section below.</p> <p>The name of Pay Item #65 (Addendum #1 Pay Item #64) has been revised to pay for the replacement of shared lane pavement markings and arrow pavement markings. Pay Item #65 (Addendum #1 Pay Item #64) is clarified further in the Specifications section below.</p>
7.	Can a pay item be set up for replacement of Raised Pavement Markers located on Greentree Road?	No, raised pavement markers (inlaid pavement markers) are not required.
8.	Will the concrete driveways called out to be replaced on CE8 be paid for under pay item 61 or pay item 87?	Concrete driveways and aprons will be paid for under Pay Items #61 & #59 (Addendum #1 Pay Items #60 & #58), unless specified on CN3 as an MOU Condition.
9.	I just want to confirm that any curb or sidewalk damaged during the lateral installation is incidental to the lateral pay items and not paid for under the curb or sidewalk pay items?	Yes, concrete curb & sidewalk replacement will be considered incidental to construction of said laterals. Concrete aprons and driveways damaged during lateral installation will also be considered incidental to construction of said laterals.
10.	Sheets CE6 and CE7 call out Line “A” to be a re-alignment, but the profile shows and ex sanitary sewer. Should this be labeled as dig and replace?	No, this portion of the alignment is re-aligned to shift further from the creek.
11.	What wall thickness is required for the steel casing pipe at the bore?	The steel casing pipe wall thickness shall meet the guidance included below in the Clarifications section.





12.	Will any of the sanitary manholes require ConShield?	No, there are no manholes that meet the requirements, see Specification Section 2608 Paragraph 2.01.D.
13.	On pipe to manhole connections, is A-Lok (cast-in-structure) the only acceptable type?	Pipe to manhole connections shall be cast-in-structure, preapproved by LFUCG.
14.	Are extended bases required for the manholes not requiring a Manhole Anti-Flotation Collar?	No, only manholes located in the 100-year floodplain shall have an extended base (anti-flotation collar), see Specification Section 02608 Paragraph 2.01.E.
15.	On plan sheet CN2, Bituminous Concrete Paving for Driveways call for two 3-in compacted lifts of dga, 6" Concrete (Class A), and 2-in of Bituminous Surface. Plan sheet CE2 calls for 1.5" Surface, 2" Base and 6" Base. Which one should the Contractor use for bid item 60? If the second option is to be used, is the 6" base supposed to be DGA?	The pavement section for Pay Item #60 (Addendum #1 Pay Item #59) shall be 1.5" asphalt surface, 2" asphalt base, and 6" DGA.
16.	Spirolite Pipe is an HDPE Pipe in sizes ranging from 18" to 120" in diameter. Spirolite can used as an equal to Hobas Fiberglass Pipe that you have specified on the West Hickman Project and meets ASTM F894 Standard for HDPE Pipes. How do I go about gaining approval to bid the West Hickman project on the 48"/42" & 30" pipe?	HDPE is not approved for sanitary sewer applications by LFUCG.





17.	<p>Please consider this RFI for the inclusion of Future Pipe Industries' Fiberstrong™ FRPM pipe as an "equal" fiberglass pipe product in the West Hickman Trunk E Sewer Improvements project. Fiberstrong™ is a continuous wound FRPM pipe manufactured per ASTM D3262 Type 1, Liner 1, Grade 1 and is compliant with the project's specifications. Field connections meet the joint qualification testing per ASTM D4161.</p> <p>Fiberstrong™ is manufactured with an upgraded, highly corrosion resistant vinyl ester lining and has been successfully used in some of USA's largest trenchless FRP projects including:</p> <ul style="list-style-type: none">- Silicon Valley Clean Water Tunnel – 17,600' of 132" FRPM Pipe – Sliplining Installation – San Carlos, CA- Orange County Water – Ground Water Replenishment System – 14,787' of 60" FRPM Pipe – Sliplining Installation – Orange County, CA <p>Our inclusion typically results in substantial improvement in cost and lead times due to added competition. Please let us know if you require any further information.</p>	<p>If the FRPM pipe meets requirements of Specification Section 02532 Paragraph 2.03, it will be acceptable.</p>
-----	---	--





Questions Submitted After to Addendum #1		
18.	Can you provide a copy of consent decree requirements?	Consent decree information can be found at the following web address: https://www.lexingtonky.gov/consent-decree
19.	Notes say to keep one lane of Greentree open. The depth of the line going down the middle of Greentree we do not believe this will be possible. It's possible but if not will closing the road to thru traffic and detour an option?	LFUCG will allow the "working section" of Greentree Road to be closed to through traffic. Contractor shall maintain access to residences at all times. Contractor shall submit a Traffic Control Plan(s) for review/approval by Traffic Engineering prior to construction.
20.	Is there a lay down yard we can use?	Yes, Contractors may use 3539 & 3541 Willowood Drive as a lay down yard. Contractor shall coordinate access to the Merrick Trunk Sewer project when said construction begins. Merrick Trunk Sewer construction is expected to begin Fall 2023 or later.
21.	Will the owner pay for any material increases from time of bid until time of ordering material? As suppliers are not holding their prices any length of time.	LFUCG will evaluate price increase requests on a case-by-case basis.
22.	Just to clarify roadway backfill will be #9 stone and NOT flowable fill?	Roadway backfill shall conform to the RMP Standard Details. Flowable fill is not required.
23.	Can rock from rock excavation be used as backfill?	No, rock excavation may not be used as backfill.
24.	To clarify all drops will be exterior drops?	All drops for sanitary sewer mains shall be external drops. Sanitary sewer laterals that connect directly to manholes are allowed to be internal drops.





25.	Notes say all drops bigger than 8" diameter must be done in the field. Is this correct?	Yes, all drops larger than 8" diameter shall be constructed in the field per the RMP General Notes.
26.	Will driveway replacement noted in the MOU conditions be by the normal unit pricing or will this be a lump sum in the MOU unit price?	Driveway replacement included in the MOU Conditions will be paid for by Pay Item #86.
27.	Where laterals are shown stopped on the plans is this where we will stop at? Some are stopped in the street.	No, the laterals located along streets with sidewalk shall have the cleanout located in the sidewalk. See General Construction/Laterals notes on CN3. The symbols on the plans are intended to represent the location at trunk sewer and a general direction.
28.	The lateral unit pricing is per each and not per LF is this correct?	Yes, that's correct.
29.	Cleanouts need to be in the lateral unit pricing correct?	Yes, that's correct.
30.	To clarify the wood fence around 3498 Greentree Rd we only remove and replace what we need to and not the entire fence correct?	Yes, only remove and replace what's required to install the pipe.
31.	Some notes say to replace the sheds we demo and some notes do not say to replace. Do we replace sheds we demo?	The sheds being demolished will not be replaced as part of this contract.
32.	Will creek bank restoration be a separate unit price or do we put this in our pipe unit price?	Creek Crossing Pay Items have been added to the Bid Schedule as "Creek Crossing Line B" and "Creek Crossing Line C". Streambank restoration is considered incidental to the Creek Crossing Pay Items.





33.	Unit 63 striping shows 100 LF. Is this for bidding purposes only as there should be a lot more than 100 LF?	<p>The quantity for Pay Item #63 has been revised to 4,350 LF. Pay Item #63 is clarified further in the Specifications section below.</p> <p>Pay Item #64 has been revised to replace shared lane pavement markings and arrow pavement markings.</p>
34.	For the lateral unit prices (In pavement & not in Pavement) do we include the concrete cap, paving and seed & straw in this unit for these? or will we be using the paving unit prices?	<p>Pay Items #8, #9, & #10 have been clarified further in the Specifications section below.</p> <p>Pavement restoration shall be paid for by Pay Item #57.</p> <p>Seed and straw shall be paid for under the Site Restoration Pay Items #72, #73, & #74.</p> <p>Sidewalk and curb and gutter are considered incidental to sanitary sewer lateral installation.</p>
35.	I was told 16" DI pipe will be at least 36 weeks lead time. Is DI still the option for those areas?	Yes, DI will be required as noted in the plans.
36.	Does anywhere show what size & type the existing sanitary pipe is that we are removing?	The existing pipe is shown to scale graphically on the profile (24-27" RCP/VCP).
37.	Notes say no bypass pumping over night & weekends but by the looks of it the majority of the project will need to be bypassed 24/7 since the new pipe is well below the existing pipe. Will this be allowed?	No, bypass pumping shall conform to Specification Section 01520 Paragraph 1.02.N. Emergency 24/7 bypass pumping will be reviewed/approved on a case-by-case basis.
38.	Just to clarify the only unit for asphalt paving is #57 trench construction paving? This would be only the area we are disturbing on top of the concrete cap correct? We do not need to mill and overlay the rest of the roadway?	Yes, that's correct.





39.	<p>Will pressure grouting of bore & jack be required around the casing pipe? If so, do we need to grout the inside as well?</p>	<p>Pressure grouting will be required around the casing pipe. Grouting between the carrier pipe and casing pipe is not required.</p> <p>Specification Section 02431 Tunnel Grouting has been added as noted below.</p>
-----	---	--

1. CLARIFICATIONS

A. Steel casing pipe wall thickness, see information below.

Notes for Tunnel System Schedule above are as follows:

A) Minimum outside diameter of casing or initial tunnel support lining is provided herein. Contractor may elect to upsize casing/lining diameter size as needed:

1. To accommodate the requirements of the carrier pipe installation, and/or
2. To accommodate the Contractor's selected tunneling methods.

B) In cases where Contractor elected to increase diameter of initial tunnel lining the following minimum standards shall apply:

1. Steel casing wall thickness shall at minimum meet the following formula:

$$t \geq D/Ra$$

Where, casing thickness (t) must be greater than or equal to Diameter (D) divided by the minimum axial compressive limit state (Ra) provided in the following table.

CASING DIAMETER RANGE (IN)	AXIAL COMPRESSIVE STATE LIMIT (Ra)
18-24	58
30-42	64
48 AND LARGER	72
2. Steel liner plate thickness shall at minimum meet the applicable provisions of Chapter 1, Part 4 of the "Manual of Railway Engineering" of the American Railway Engineering Association.
3. Upsizing of tunnel lining diameter as elected by the Contractor shall be provided at no additional cost to the Owner.

C) All steel casing shall meet requirements of Chapter 1, Part 5 of the "Manual of Railway Engineering" of the American Railway Engineering Association and Kentucky Transportation Cabinet (KYTC) Specification Section 232.02, part (c), paragraph 5 - Smooth Wall Steel Pipe (Jacked or Casing for General Use).

D) For initial tunnel support systems other than steel casing, the minimum outside diameter (O.D.) shall be the contractor's selected carrier pipe's greatest outside diameter (Bell O.D. or Coupling O.D.) PLUS a minimum installation clearance of 2-inches PLUS the tunnel's elevation tolerance listed in the Tunneling Method Table PLUS two (2) times the liner plate or rib thickness. Provided in equation form:

Minimum O.D. = Carrier Pipe Bell/Coupling O.D. + 2-inches + Elevation Tolerance + (2 * Liner Plate/Rib Thickness)

B. Meeting minutes from the Pre-Bid Meeting held on October 12, 2022 are attached.

2. DRAWINGS

A. CN3 – Project Specific Notes

Replace with attached revised sheet.





B. CE9 – Proposed Sanitary Sewer Plan & Profile

Replace with attached revised sheet.

3. SPECIFICATIONS

A. Section 01025 – Measurement and Payment

Replace Paragraph 2.09 PVC (SDR 35) Gravity Sewer Lateral (In Pavement) with the following:

Payment is for furnishing and installing gravity sewer laterals at the contract unit price each. This is to be paid at the contract unit price, complete in place, which shall include compensation for pipe, reducers, spool pieces, fittings (including cleanout), materials, hauling, excavation (including rock excavation), shoring, sheeting, removal of existing lateral, bedding, backfilling, cleanup, restoration, replacement of curb in-kind as needed, replacement of sidewalk in-kind (full panel replacement only), testing, and all other items necessary for a complete installation. Pavement restoration, within the curb limits of city streets, will be paid for by the "Bituminous Pavement: Trench Construction, Street" Pay Item. Site Restoration will be paid for by the "Site Restoration" Pay Items. Driveways and aprons are considered incidental to this pay item.

B. Section 01025 – Measurement and Payment

Replace Paragraph 2.10 PVC (SDR 35) Gravity Sewer Lateral (Not In Pavement) with the following:

Payment is for furnishing and installing gravity sewer laterals at the contract unit price each. This is to be paid at the contract unit price, complete in place, which shall include compensation for pipe, reducers, spool pieces, fittings (including cleanout), materials, hauling, excavation (including rock excavation), shoring, sheeting, removal of existing lateral, bedding, backfilling, cleanup, restoration, testing, and all other items necessary for a complete installation. Site Restoration will be paid for by the "Site Restoration" Pay Items. Driveways and aprons are considered incidental to this pay item.





C. Section 01025 – Measurement and Payment

Replace Paragraph 2.11 PVC (SDR 35) Gravity Sewer Lateral (Directly Connected to Manhole) with the following:

Payment is for furnishing and installing gravity sewer laterals at the contract unit price each. This is to be paid at the contract unit price, complete in place, which shall include compensation for pipe, reducers, spool pieces, fittings (including cleanout), **internal drop within manhole (fittings, etc.)**, materials, hauling, excavation (including rock excavation), shoring, sheeting, removal of existing lateral, bedding, backfilling, cleanup, restoration, replacement of curb in-kind as needed, replacement of sidewalk in-kind (full panel replacement only), testing, and all other items necessary for a complete installation. **Site Restoration will be paid for by the "Site Restoration" Pay Items. Driveways and aprons are considered incidental to this pay item.**

D. Section 01025 – Measurement and Payment

Replace Paragraph 2.25 Bituminous Pavement: Trench Construction, Street with the following:

Payment for bituminous concrete relating to trench construction in streets shall be paid for at the Contract unit price per square yard, which shall include placement of aggregate, concrete bridge, compaction, bituminous concrete, removal of existing surface, placement of bituminous concrete, taper of new pavement into existing pavement, and all appurtenances necessary for a complete installation. **This Pay Item includes any pavement restoration within the curb limits of city streets.**

E. Section 01025 – Measurement and Payment

Replace Paragraph 2.30 Roadway Striping with the following:

Payment for roadway striping shall be paid for at the Contract unit price per linear foot of **in-kind paint** striping placed **along the centerline of Greentree Road**, which shall include materials, placement of striping, all maintenance of traffic, including flaggers, arrow board, message board, etc., and all appurtenances and manpower necessary for a complete installation.





F. Section 01025 – Measurement and Payment

Add Paragraph 2.50 Shared Lane and Arrow Pavement Markings, Extra as directed by Engineer:

Payment for shared lane and arrow pavement markings shall be paid for at the Contract unit price per each in-kind, which shall include materials, placement of markings, all maintenance of traffic, including flaggers, arrow board, message board, etc., and all appurtenances and manpower necessary for a complete installation.

G. Section 01025 – Measurement and Payment

Add Paragraph 2.51 Creek Crossing Line B:

Payment for Creek Crossing Line B shall be paid for at the Contract lump sum price, which shall include all requirements on the Creek Crossing plans and streambank restoration details.

H. Section 01025 – Measurement and Payment

Add Paragraph 2.52 Creek Crossing Line C:

Payment for Creek Crossing Line C shall be paid for at the Contract lump sum price, which shall include all requirements on the Creek Crossing plans and streambank restoration details.

I. Section 00410 – Bid Form

Replace Pages 00410-5 through 00410-10 with attached revised Bid Schedule.

- Item 57 – Bituminous Pavement: Trench Construction, Street (revised quantity)
- Item 59 – Bituminous Pavement: Private Driveway, Extra as directed by Engineer (revised name and quantity)
- Item 60 – Portland Cement Concrete Pavement: Private Driveway, Extra as directed by Engineer (revised name and quantity)
- Item 63 – Roadway Striping (revised quantity)
- Item 64 – Shared Lane and Arrow Pavement Markings, Extra as directed by Engineer (revised name and quantity)
- Item 73 – Site Restoration, Method B (revised quantity)
- Item 89 – Creek Crossing Line B (added new item)
- Item 90 – Creek Crossing Line C (added new item)





J. Section 02431 – Tunnel Grout

Add attached Section (Pages 02431-1 through 02431-10)

K. Section 02432 – Low Density Cellular Grout

Delete entire Section (Pages 02432-1 through 02432-8)

Todd Slatin

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Bid and specifications are unchanged.
This letter should be signed, attached to and become a part of your Bid.

COMPANY NAME: **Connhurst, LLC**

ADDRESS: **879 Wilson Run Road, Wallingford KY 41093**

SIGNATURE OF BIDDER: *Freddie R Conn*



**Mandatory Pre-Bid Meeting Minutes
West Hickman Trunk E Sewer Improvements
LFUCG Bid #115-2022**

**LFUCG – Division of Water Quality
Lexington, Kentucky**

**October 12, 2022
10:00 a.m. (local time)**

1. Introduction

- a. Owner, LFUCG DWQ
 - Robert Peterson, P.E. RMP Manager
 - Fletcher Gabbard, Construction Supervisor
 - Jody Scrivner, Administrative Specialist

- b. LFUCG Division of Purchasing
 - Brian Marcum, Buyer Senior brianm@lexingtonky.gov
 - Sherita Miller, Minority Business Enterprise Liaison smiller@lexingtonky.gov

- c. Engineer – PRIME AE Group, Inc.
 - Jonathan McCracken, P.E.
 - Eddie Mesta, P.E.

- d. RMP Program Manager - Hazen and Sawyer
 - Seth Bradley, P.E.

- e. Stormwater Program Manager - Tetra Tech
 - Richard Walker, P.E.
 - Abby Terry, E.I.T.

- e. Attendees

Name	Organization	Email
Robert Peterson	LFUCG DWQ	rpeterson@lexingtonky.gov
Fletcher Gabbard	LFUCG DWQ	fgabbard@lexingtonky.gov
Brian Marcum	LFUCG Purchasing	BrianM@lexingtonky.gov
Jonathan McCracken	PRIME AE	jmccracken@primeeng.com
Eddie Mesta	PRIME AE	emesta@primeeng.com
Seth Bradley	Hazen and Sawyer	sbradley@hazenandsawyer.com
Richard Walker	Tetra Tech	richard.walker@tetrettech.com
Bubba Weber	Allied Pump Rentals	bubba.weber@alliedpumrentals.com
Dylan Dunaway	Blue Tank & Pump Rental	ddunaway@bluetankandpump.com
Art Moore	Blue Tank & Pump Rental	amoore@bluetankandpump.com
Josh Morgan	Blue Tank & Pump Rental	josh.morgan@alliedpumrentals.com
John Fuchs	Brackney Inc	jfuchs@brackney.com
Kyle Lucus	Capitol Tunneling	klucus@capitol tunneling.com

Ryan Cornwell	Cleary Construction Inc	estimating@clearyconst.com
Paul Harbron	Cleary Construction Inc	paulharbron@clearyconst.com
David Bailey	Connhurst, LLC	tbailey.connhurst@windstream.net
Kevin Winter	Core & Main	kevin.winter@coreandmain.com
Victor Bacon	Geco Enterprises, DBE/MBE	victorbacon@hotmail.com
Mike Wiley	Howell Contractors, Inc.	n.wiley@howellcontractors.com
Jarrold Conn	Lagco Inc	jarrod@lagco.com
Eric Stumler	MAC Construction and ExcavatingInc	erics@macconstruction.com
Neil Winter	Rain for Rent	n.winter@rainforrent.com
Keith Miller	Reynolds Construction	Kieth.miller@reynoldscon.com
Kim Gruber	SJ Louis Construction, Inc.	estimators@sjlouis.com
Larry Davis	Tribute Contracting	thannah88@yahoo.com
Chip Brown	Turn-Key Tunneling Inc	chip@tunnellit.net
Bailey Monahan	United Rentals	bmonahan@ur.com

2. Bidding Question Procedures

- All bidding questions are to be submitted in writing and addressed to the Division of Purchasing, Brian Marcum brianm@lexingtonky.gov who in turn will have an addendum issued for the LFUCG.
- Prebid meeting questions:
 - Questions may be asked verbally. Questions will be recorded and discussed as part of Addendum No. 2.
 - Verbal responses by the Owner/Engineer may be provided for verbal questions asked at the meeting with responses recorded in the Addendum.
 - Responses from the Owner/Engineer provided during the pre-bid meeting may be revised later by Addendum.
- Final written responses in Addendums will override any verbal question responses.
- Final issued Addendums will be the legal response of record.
- Bidders are to make sure they can comply with insurance requirements.
- Bids will be submitted electronically.

3. Affirmative Action

- Bidders must submit with their bid (refer to Section 00410 - Bid Form) the following items:
 - Affirmative Action Plan of the Firm
 - Current Work Force Analysis Form
 - Good Faith Effort Documentation to meet the MWDBE goals
- MWDBE participation goal is 10% and VOB participation goal is 3%

4. ESC and SWPPP

- Contractor shall comply with requirements for Erosion Sediment Control (ESC) and Storm Water Pollution Prevention Plan (SWPPP). Both documents are included in the Contract Documents and Specifications manual.

5. Project Description

The project includes upsizing an existing trunk sewer located in a primarily residential development along Greentree Road. Permanent and temporary construction easements have been obtained by LFUCG.

The project includes the following pipe installation:

- 708 LF 48-inch gravity sewer - open excavation
- 842 LF 42-inch gravity sewer - open excavation
- 1,872 LF 36-inch gravity sewer – open excavation
- 3,169 LF 30-inch gravity sewer – open excavation
- 332 LF 24-inch gravity sewer – open excavation
- 213 LF 16-inch D.I. gravity sewer – open excavation
- 115 LF 15-inch gravity sewer – open excavation
- 49 LF 10-inch gravity sewer – open excavation
- 305 LF 30-inch tunnel (48-inch casing)
- 2 - Stream Crossings
- Manholes, Laterals, Cleanouts, and other appurtenances

6. Bid/Construction Schedule

- October 12, 2022 Pre-Bid Meeting (10:00 am at Tate Building)
- October 18, 2022 at 5:00pm Cut-off for Questions
- October 20, 2022 Final Addendum Issued
- October 27, 2022 Open Bids (2:00 pm, Bids Submitted Electronically)
- Intend to obtain council approval and move to contract award and NTP as quickly as possible.
- Construction Complete: 540 day construction contract to Final completion

7. Wage Rates

- State and Federal Wage Rates are not a requirement for this project.

8. Bid Form

- The bid form contains both lump sum work and unit price work.

9. Permits Obtained Prior to Bidding/Construction

- KDOW Construction Permit - Obtained by Owner
- KDOW Stream Crossing Permit - Obtained by Owner
- KYTC Encroachment Permit for NCR Crossing – Obtained by Owner
- Street Cut Permit – Obtained by Owner

10. Permits to be Obtained by Contractor

- LFUCG Land Disturbance Permit (LDP)
 - A partially completed SWPPP is included in the specifications. Contractor is responsible for completing the SWPPP as part of the LDP process.
 - Contractor may develop its own SWPPP, but must receive approval from LFUCG
 - The Land Disturbance Permit is an online application. A hard copy of the completed SWPPP shall be submitted to DWQ in conjunction with the LDP submittal.

- The “Land Disturbance Permit Application and Erosion and Sediment Control checklist” is included in Section 02370 - Erosion and Sediment Control .
 - KY DOW KPDES KYR10 General Permit for Stormwater Discharges Associated with Construction Activities
 - Lane Closure Permit(s) – All lane and/or street closures must be approved by Traffic Engineering prior to closure. Contractor shall maintain access to residences at all times.
11. Site Access
- Contractor shall access site through permanent and temporary easements obtained by Owner.
12. General Construction
- Note that blasting is not allowed.
 - Third-party professional photographic documentation is required for pre-construction photos.
 - LFUCG will pave all City streets after construction is complete. Contractor will only be required to restore pavement to original surface elevation, per specifications, where disturbed. Contractor may be required to provide temporary striping.
 - The Drawings show trees that are to be protected during construction. Additionally, the Contractor shall notify RMP if any trees are impacted by construction, within the drip line.
 - Refer to RMP General Notes and Project Specific Notes contained on Sheets CN1, CN2, and CN3.
 - No known hazardous materials or underground tanks are known at this time. Contractor shall notify Engineer immediately upon discovery.
 - Site shall be maintained during construction.
 - Contractor is responsible for site security.
 - Contractor is responsible for site safety.
 - Bypass pumping is responsibility of the Contractor
 - The existing sewer system shall remain in service at all times during construction.
 - Individual property owners have been contacted during design and have a Memorandum of Understanding executed with the LFUCG. Requirements for each property are listed on the Drawings Sheet CN3.
13. The following required submittals are listed on CN1 and are incidental to the project.
- Construction Sequencing Plan
 - Construction Access Plan
 - Traffic Control Plan (Vehicular and Pedestrian)
 - Staging Area Plan
 - Trench Dewatering Plan
 - Safety Plan
 - Creek Crossing Plan
 - Bypass Pumping Plan
 - Abandoned Pipe Safeload Plan
 - Tree Removal Plan
 - Spoils Management Plan
 - Pipe Envelope Plan
 - Concrete Washout Structures
 - Maintenance and Operations Plan

14. Questions/Answers

- 1) Can you confirm the accuracy of the sounding shown in the middle of New Circle Road? **Yes, the New Circle Road sounding shown on the plans is correct.**
- 2) Is the domestically produced products requirement of Paragraph 2.03.A.2 in Specification Section 01631 – Products and Substitutions a requirement or a preference? **The domestically produced products requirement is preference when/if possible.**
- 3) Are we allowed to trim trees that overhang city streets? **We acknowledge receipt of this question and will provide a response on an upcoming Addendum.**

Respectfully Submitted,

A handwritten signature in blue ink that reads "Jonathan McCracken". The signature is written in a cursive, flowing style.

Jonathan McCracken, PE
PRIME AE Group, Inc.

General Construction

- 1. Contractor will be responsible to coordinate with all impacted utility companies and be required to hire a private utility locating company for the location of all underground utilities prior to construction.
• No federal or state funding wage rates are associated with the project.
2. Laterals
• Replace existing laterals and install cleanout at and/or within right of way per LFUCG standards.
• Sanitary Sewer laterals connecting directly to manholes may require internal drops.
• Reconnection of existing lateral shall be considered a lump sum pay item.
3. Site Restoration
• All non-paved Site Restoration shall be per Method B as described in the General Notes.
• All paved Site Restoration shall comply with terms and conditions as stated in the Memorandum of Understanding (MOU) for each project property.
4. Staging Areas
• Contractor shall submit a plan for its staging areas.
5. Bypass Pumping
• Contractor is required to submit a bypass pumping plan including locations and sizes of bypass pumps and piping, and sequence of bypass pumping operations.
• The bypass pumping plan is a submittal and is not a separate pay item.
• Required bypass pumping capacity shall be per the table below.

Table with 3 columns: Sewer Segment, Peak Dry Weather Flow-Firm Capacity (MGD), Peak Wet Weather Flow-Firm Capacity (MGD). Rows include MH1-MH16 and MH16-MH34.

General Construction (Cont.)

- Sanitary Sewer Manholes
1. All newly installed sanitary sewer manholes that require an anti-flotation collar are indicated by a corresponding keynote.
Contractor Access
1. Site access North of New Circle Road has been obtained through Dunbarton Lane.
Maintenance of Access Ways
1. Contractor shall maintain all access ways so as to be passible by vehicles and such that construction traffic does not track mud or debris onto roadways & trails.
Spoils Management
1. The Contractor is responsible for proper disposal of spoil material.
Concrete Washout Structures
1. Contractor shall construct, at a location(s) approved by the Engineer and as required.
Common to all Project Properties:
1. All MOU Conditions will be paid for by the Easement and Property Requirement (MOU Conditions).

MOU Conditions - 1155 Dunbarton Lane (Construction Access Easement)

- 1. The Contractor shall replace 7 panels of the driveway with a new standard concrete driveway along with the adjoining sidewalk and apron as shown on CE9.
2. The contractor will pressure wash the remaining portion of the driveway around the rear of the building to the property line.
MOU Conditions - 1158 Dunbarton Lane (Construction Access Easement)
1. The Contractor shall replace 7 panels of the driveway with a new standard concrete driveway along with the adjoining sidewalk and apron as shown on CE9.
2. The contractor will pressure wash the remaining portion of the driveway around the rear of the building to the property line.
3. The contractor will remove and replace the walkway from the driveway to the steps leading to the front door.

MOU Conditions - 3422 Greentree Rd.

- 1. The Contractor will replace entire asphalt driveway, concrete apron, and concrete sidewalk damaged during construction in kind.
MOU Conditions - 3426 Greentree Rd.
1. The Contractor shall install 4' tall temporary chain link fencing within the rear yard area along the edge of the construction easement.
MOU Conditions - 3498 Greentree Rd.
1. The Contractor shall remove & replace the iron fencing and the 8" wood privacy fencing in kind.
2. The Contractor will place a 4" tall temporary chain link fencing within the rear yard area along the edge of the construction easement.

MOU Conditions - 3520-3558 Creekwood Dr.

- 1. The Contractor shall install (1) Birch Tree, 1.5 caliper (minimum), at a location to be determined by owner once construction is complete.
2. The Contractor will place a 4" tall temporary chain link fencing for dogs within the dog park area along the edge of the construction easement.

MOU Conditions - 1155 Dunbarton Lane (Construction Access Easement)

- 1. The Contractor shall replace 7 panels of the driveway with a new standard concrete driveway along with the adjoining sidewalk and apron as shown on CE9.
2. The contractor will pressure wash the remaining portion of the driveway around the rear of the building to the property line.
MOU Conditions Pending
• 3431 Sutherland
Survey Control Information
1. Horizontal Datum = KY North Zone NAD 83 (1601) US Survey Feet
2. Vertical Datum = NAVD 88 EIOD 12B US Survey Feet
Tree Protection Plan
1. The Contractor is responsible for furnishing, installation, maintenance and removal of 4' tall orange plastic fencing attached to metal "tee" posts.

MOU Conditions - 3422 Greentree Rd.

- 1. The Contractor will replace entire asphalt driveway, concrete apron, and concrete sidewalk damaged during construction in kind.
MOU Conditions - 3426 Greentree Rd.
1. The Contractor shall install 4' tall temporary chain link fencing within the rear yard area along the edge of the construction easement.

MOU Conditions - 3498 Greentree Rd.

- 1. The Contractor shall remove & replace the iron fencing and the 8" wood privacy fencing in kind.
2. The Contractor will place a 4" tall temporary chain link fencing within the rear yard area along the edge of the construction easement.

Table with 3 columns: LOT ADDRESS, PROPERTY OWNER, OWNER ADDRESS. Lists properties along West Hickman Trunk E from 3520-3558 Creekwood Dr to 1158 Dunbarton Ln.

TREE PROTECTION PLAN TABLE

Table with 3 columns: PIPELINE & STATION, STATION OFFSET, TREE SIZE & TYPE. Lists tree locations and sizes along the pipeline.

LEGEND

- APPRX. ELEVATION OF ROCK AND FOOTAGE LEFT/RIGHT OF PIPE CL.
AUGER REFUSAL AS PER HISTORICAL AS-BUILT DATA, PROVIDED BY LFUCG.
EXISTING SANITARY SEWER
PROPERTY LINE
PROPOSED TEMPORARY CONSTRUCTION EASEMENT
PROPOSED PERMANENT SEWER EASEMENT
FEMA DEFINED FLOODWAY
100 YEAR FLOOD LIMIT
WETLAND (NWI) NATIONAL WETLANDS INVENTORY
SILT FENCE
EX. UNDERGROUND ELECTRIC
EX. WATER LINE
EX. GAS LINE
SOUNDING LOCATION
BORING LOCATION
BENCHMARK LOCATION
EXISTING LATERAL
DRIVEWAY REPLACEMENT

*Ductile Iron will be utilized for proposed creek crossing.

PIPE DATA TABLE - WEST HICKMAN TRUNK E

Table with 7 columns: Pipe Name, DOWN STRUCTURE, UP STRUCTURE, DOWN INV. (FT.), UP INV. (FT.), LENGTH (FT.), SLOPE (%), SIZE (IN.). Lists pipe segments and their specifications.

MANHOLE DATA TABLE - WEST HICKMAN TRUNK E

Table with 7 columns: STRUCTURE NAME, STATION, NORTHING, EASTING, MH SIZE, RIM ELEV. (FT.), INVERT IN ELEV. (PIPE ID), INVERT OUT ELEV. (PIPE ID). Lists manhole locations and elevations.

Tunneling Notes

- 1. Tunnel linings shall be per specification section 02425. Allowable tunnel linings have been determined for each line segment based on the subsurface conditions.
2. Acceptable pipe material may change based on tunnel diameter.

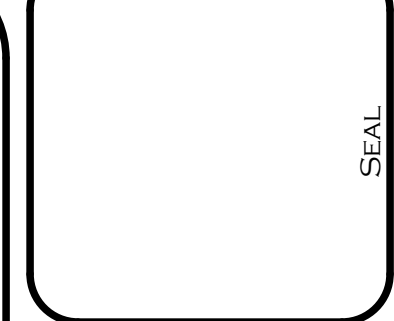
TUNNELING METHOD TABLE with columns: METHOD, ACRONYM, SPECIFICATION SECTION. Lists methods like Slurry Microtunneling, Tunnel Boring Machine, etc.

TUNNELING CASING TABLE with columns: LINE SEGMENT STATION, ALLOWABLE TUNNEL LINNING, LENGTH (FEET +/-), CASING PIPE SIZE (INCHES, MINIMUM), CARRIER PIPE SIZE (INCHES), APPROVED PIPE MATERIAL.

- Note:
1. Drop Manholes have been determined on a case by case basis, same for internal sweeps when applicable.
2. *Manholes with "EX" are existing and not to be tabulated or treated as a pay item.

MANHOLE DATA TABLE - WEST HICKMAN TRUNK E

Table with 7 columns: STRUCTURE NAME, STATION, NORTHING, EASTING, MH SIZE, RIM ELEV. (FT.), INVERT IN ELEV. (PIPE ID), INVERT OUT ELEV. (PIPE ID). Lists manhole locations and elevations.

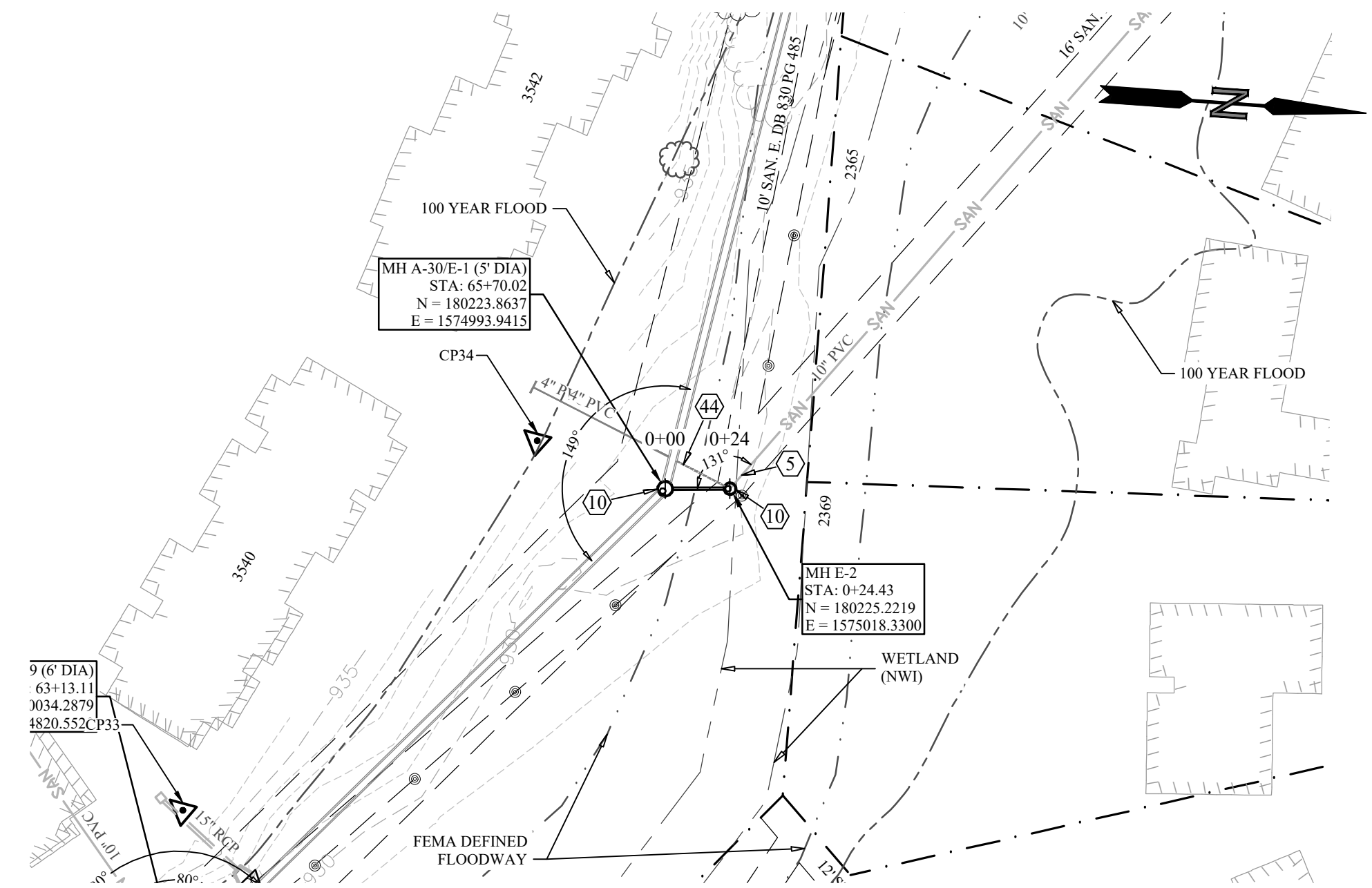
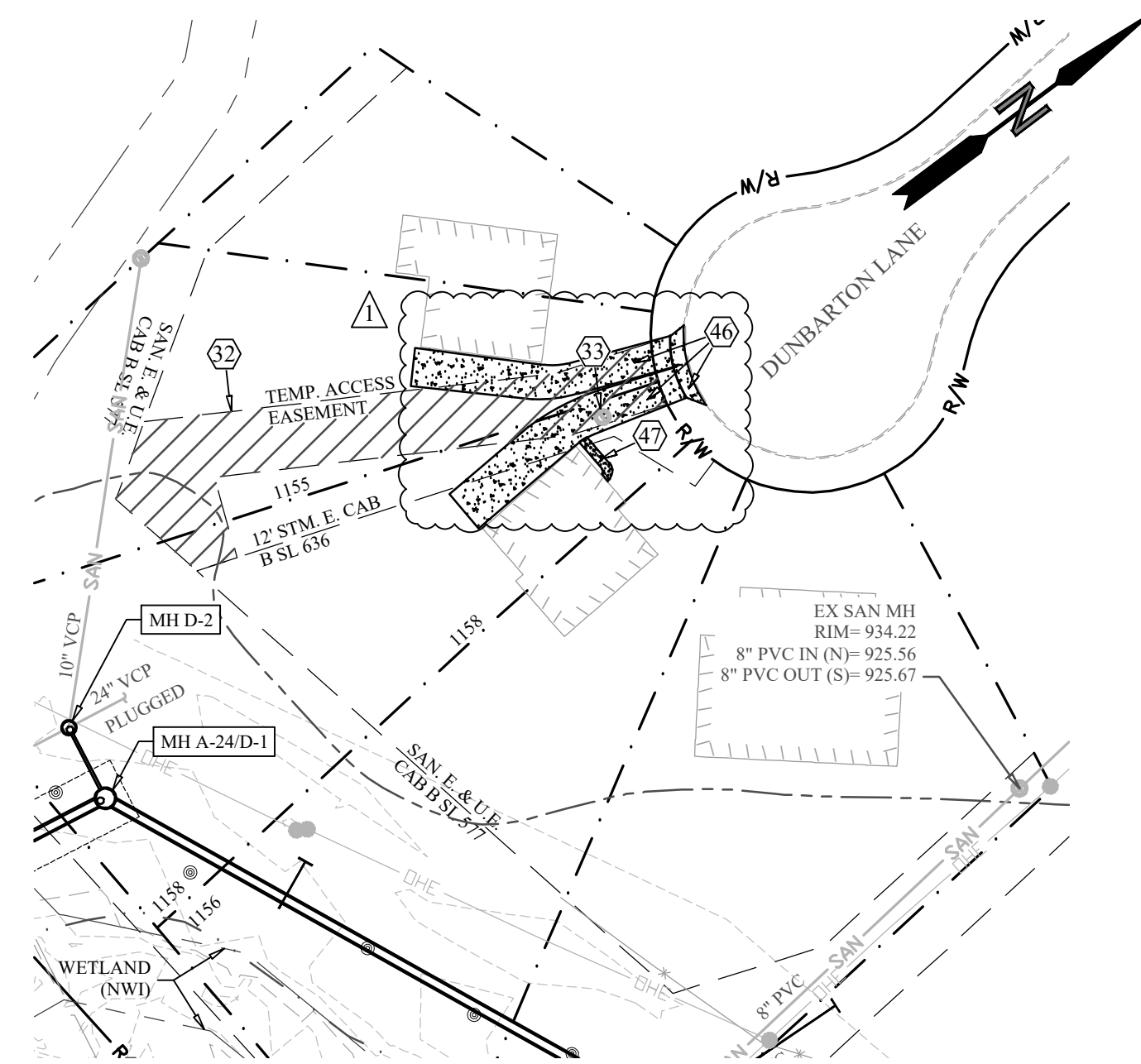
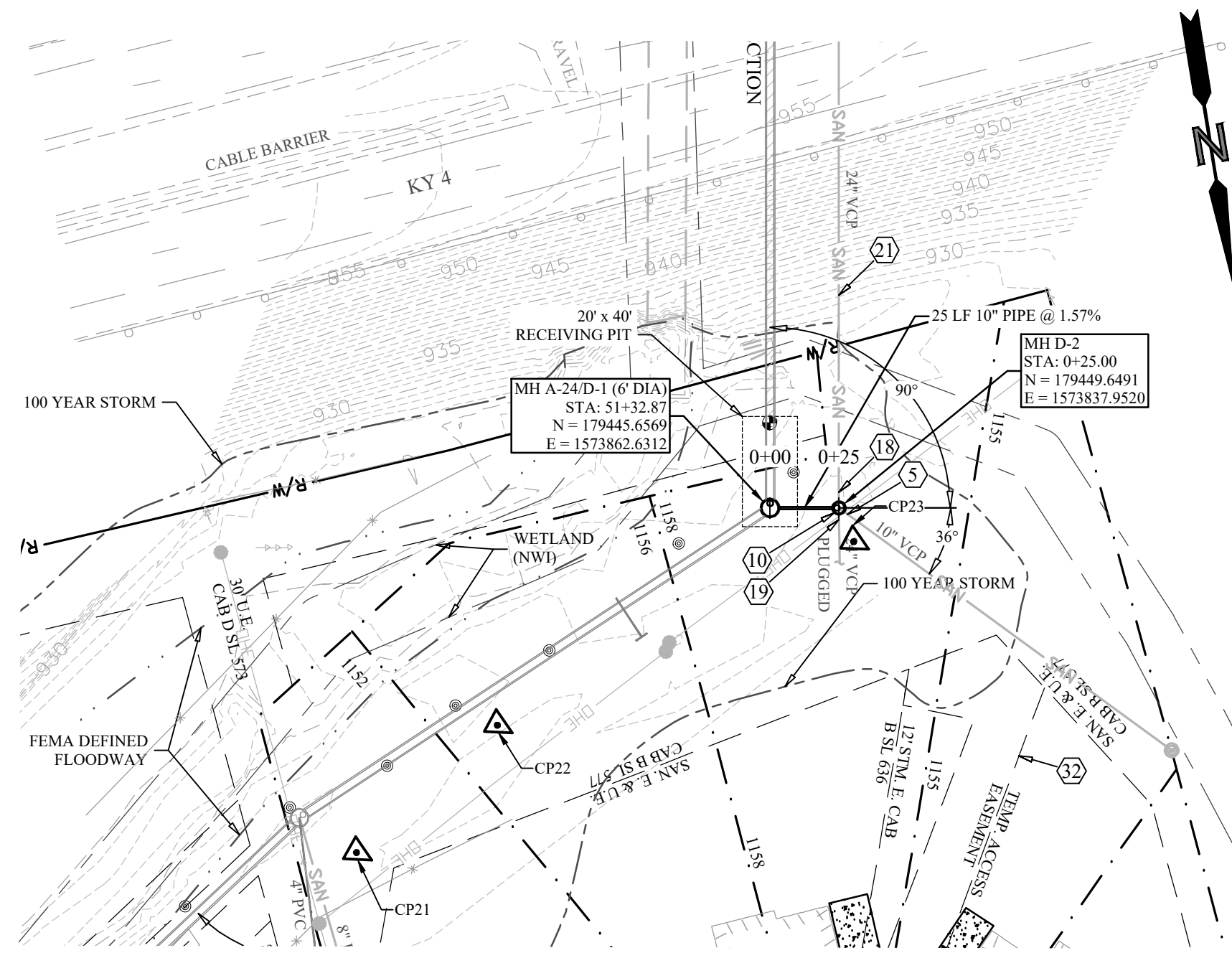


LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
WEST HICKMAN TRUNK E SEWER IMPROVEMENTS
DIVISION OF WATER QUALITY
REMEDIAL MEASURES PROJECT NO. WH-10
LFUCG BID NO. 115-2022

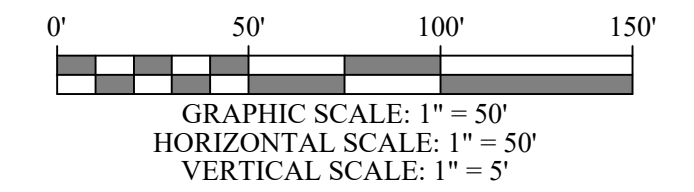
PROJECT NO.: 200126
DATE: OCTOBER 2022
DRAWN BY: KWH
CHECKED BY: JFW/JWHM

DESCRIPTION OF REVISION
ADDENDUM #2

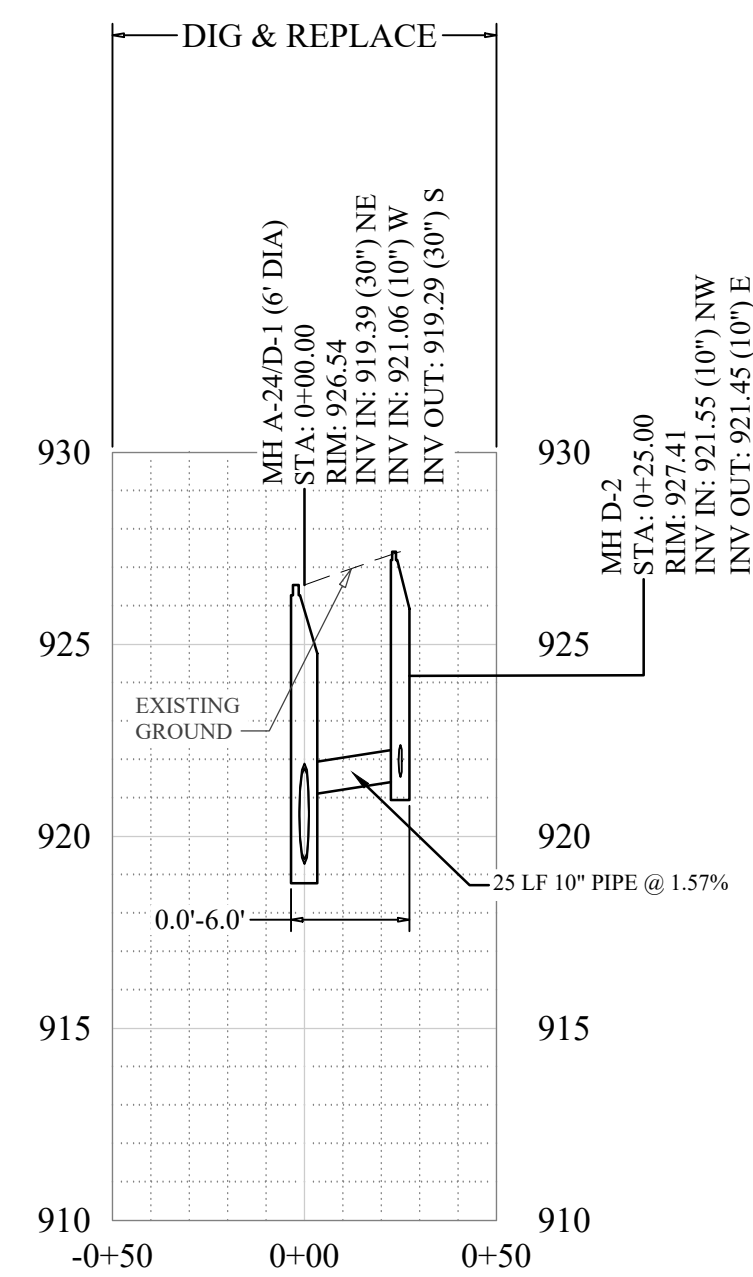
PROJECT SPECIFIC NOTES



Construction Access Easement
Plan View



Line "D"

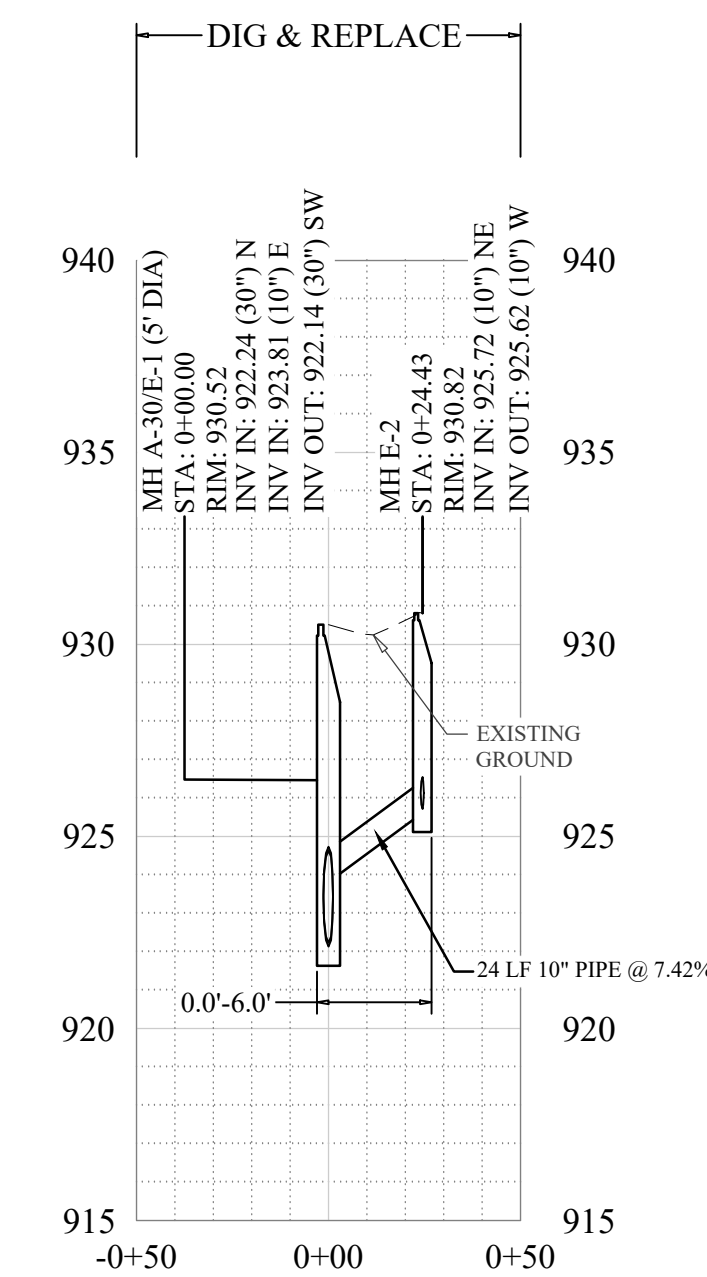


- SEWER PLAN KEYNOTES**
 *See "RMP General Notes" sheets for additional notes.
 ** Notes are specific to this page only.
- Connect existing 10" sanitary sewer to manhole.
 - Manhole Anti-Flotation Collar.
 - Cut and cap existing 24" sanitary sewer line.
 - Safeload existing 24" sanitary sewer line for pipe abandonment. Refer to specifications Section 02540 for pipe abandonment application.
 - Temporary access easement has been obtained on 1155 & 1158 Dunbarton Rd. Contractor will be responsible for maintaining access (ingress & egress) of all entrances and public roadways during construction.
 - Contractor shall replace casting frame & concrete grade ring per LFUCG standards once project is complete and construction entrance is no longer required.
 - Contractor shall cut & cap existing 4" PVC lateral.
 - The Contractor shall replace 7 panels of the driveway with a new standard concrete driveway along with the adjoining sidewalk and apron. Concrete shall be replaced in full panel increments, to the nearest joint. (See MOU Conditions for "Construction Access Easement" on sheet CN3 for more details.)
 - The contractor shall remove and replace the walkway from the driveway to the steps leading to the front door. (See MOU Conditions for "Construction Access Easement" on sheet CN3 for more details.)

GENERAL NOTES

- Prior to Construction the Contractor shall submit a detailed bypass pumping plan for review and approval by LFUCG that outlines proposed construction sequencing in providing un-interrupted sanitary sewer service for the trunk sewer and side connecting sewers. Contractor shall not construct/connect Line "West Hickman Trunk E" until proposed downstream 48-inch trunk sewer has been tested by Contractor and approved by LFUCG.
- For laterals not within pavement, cleanouts shall be located 10' from trunk.
- Sending & receiving pits size are a graphical representation only. The actual sizes will be determined by the contractor.

Line "E"



LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
 WEST HICKMAN TRUNK E SEWER IMPROVEMENTS
 DIVISION OF WATER QUALITY
 REMEDIAL MEASURES PROJECT NO. WH-10
 LFUCG BID NO. 115-2022

PROJECT NO.:	2001126
DATE:	OCTOBER 2022
DRAWN BY:	KVH
CHECKED BY:	JFM / EHM

DESCRIPTION OF REVISION	ADDENDUM #2

PROPOSED SANITARY SEWER
 PLAN & PROFILE

- F. Preliminary indication all areas where potential ground modification strategies are anticipated or will be further explored by the Bidder upon award of the Contract.

For a lump sum based bid, the item total is the bid amount the Owner uses for bid comparison.

For a unit price based bid, the sum of the item totals is the bid amount the Owner uses for bid comparison.

The Bidder must indicate the base bid pipe material by circling the selected pipe material at the time of the submission of the Bid.

The Owner's decision on the bid amount is final.

BID SCHEDULE

Item	Description	Qty	Unit	Unit Price	Item Price
1	Mobilization	1	LS	\$ 150,000.00	\$ 150,000.00
2	Bonds and Insurance	1	LS	\$ 216,000.00	\$ 216,000.00
3	General Requirements	1	LS	\$ 225,000.00	\$ 225,000.00
4	Demobilization	1	LS	\$ 25,000.00	\$ 25,000.00
5	Clearing & Grubbing	1	LS	\$ 35,000.00	\$ 35,000.00
6	Tree Protection Fence	240	LF	\$ 10.00	\$ 2,400.00
7	Erosion and Sediment Control and Conformance with SWPPP	1	LS	\$ 27,000.00	\$ 27,000.00
8	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement)	100	EA	\$ 4,506.00	\$ 450,600.00
9	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement)	2	EA	\$ 3,805.00	\$ 7,610.00
10	PVC (SDR) 35 Gravity Sewer Lateral (Directly connected to Manhole)	6	EA	\$ 4,155.00	\$ 24,930.00
11	10-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, <u>PVC</u> , FRP)	49	LF	\$ 95.25	\$ 4,667.25
12	15-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, <u>PVC</u> , FRP)	115	LF	\$ 221.00	\$ 25,415.00
13	16-Inch Gravity Sewer Pipe, 0' to 6.0' depth (<u>DIP</u>) Creek Crossing)	35	LF	\$ 385.30	\$ 13,485.50
14	16-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (<u>DIP</u>) Creek Crossing)	54	LF	\$ 464.80	\$ 25,099.20
15	16-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (<u>DIP</u>) Creek Crossing)	124	LF	\$ 567.50	\$ 70,370.00
16	24-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, <u>PVC</u> , FRP)	158	LF	\$ 334.80	\$ 52,898.40
17	24-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, <u>PVC</u> , FRP)	56	LF	\$ 519.20	\$ 29,075.20

18	24-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC FRP)	69	LF	\$ 634.25	\$ 43,763.25
19	24-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, Creek Crossing)	49	LF	\$ 595.55	\$ 29,181.95
20	30-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC, FRP, PP)	2,377	LF	\$ 361.40	\$ 859,047.80
21	30-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	730	LF	\$ 504.25	\$ 368,102.50
22	30-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	62	LF	\$ 756.45	\$ 46,899.90
23	36-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC, FRP, PP)	164	LF	\$ 398.95	\$ 65,427.80
24	36-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	1,094	LF	\$ 550.85	\$ 602,629.90
25	36-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	614	LF	\$ 755.70	\$ 463,999.80
26	42-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	842	LF	\$ 609.75	\$ 513,409.50
27	48-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	480	LF	\$ 698.50	\$ 335,280.00
28	48-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	228	LF	\$ 933.40	\$ 212,815.20
29	Tunnel Line Segment Pipe - (23), West Hickman Creek at New Circle Rd., 305 LF of 48-inch casing pipe with a 30-inch carrier pipe. See Tunneling Method Table in the Project Specific Notes for additional information. <u>Tunneling Method (Circle One)</u> <ul style="list-style-type: none"> • Microtunneling Boring Machine (MTBM) • Tunnel Boring Machine (TBM) • Pipe Jacking with Shield (PJ/S) • <u>Guided Bore and Jack (GB&J)</u> 	1	LS		\$ 973,535.00
				\$ 973,535.00	
30	Tunneling (Extra as Directed by Engineer Item)	1	LF	\$ 3,500.00	\$ 3,500.00
31	Manhole Abandonment	1	EA	\$ 1,500.00	\$ 1,500.00
32	Standard Manhole, 4-foot diameter, 0' to 6.0' depth	5	EA	\$ 3,470.00	\$ 17,350.00
33	Standard Manhole, 4-foot diameter VF	4	VF	\$ 158.85	\$ 635.40
34	Drop Manhole, 4-foot diameter, 0' to 6.0' depth	1	EA	\$ 4,448.55	\$ 4,448.55
35	Drop Manhole, 4-foot diameter VF	1	VF	\$ 268.00	\$ 268.00

36	Standard Manhole, 5-foot diameter, 0' to 6.0' depth	9	EA	\$ 5,578.20	\$ 50,203.80
37	Standard Manhole, 5-foot diameter VF	23	VF	\$ 253.00	\$ 5,819.00
38	Drop Manhole, 5-foot diameter, 0' to 6.0' depth	2	EA	\$ 9,525.00	\$ 19,050.00
39	Drop Manhole, 5-foot diameter VF	13	VF	\$ 255.00	\$ 3,315.00
40	Standard Manhole, 6-foot diameter, 0' to 6.0' depth	14	EA	\$ 8,633.00	\$ 120,862.00
41	Standard Manhole, 6-foot diameter VF	70	VF	\$ 360.00	\$ 25,200.00
42	Drop Manhole, 6-foot diameter, 0' to 6.0' depth	5	EA	\$ 12,431.50	\$ 62,157.50
43	Drop Manhole, 6-foot diameter VF	31	VF	\$ 373.75	\$ 11,586.25
44	Standard Manhole, 8-foot diameter, 0' to 6.0' depth	3	EA	\$ 12,565.00	\$ 37,695.00
45	Standard Manhole, 8-foot diameter VF	30	VF	\$ 995.85	\$ 29,875.50
46	Manhole Anti-Flotation Collar	18	EA	\$ 1,265.00	\$ 22,770.00
47	Reconnect Existing 8-inch Gravity Sewer to New Manhole	15	EA	\$ 350.00	\$ 5,250.00
48	Reconnect Existing 10-inch Gravity Sewer to New Manhole	5	EA	\$ 450.00	\$ 2,250.00
49	Reconnect Existing 12-inch Gravity Sewer to New Manhole	1	EA	\$ 500.00	\$ 500.00
50	Reconnect Existing 15-inch Gravity Sewer to New Manhole	1	EA	\$ 760.00	\$ 760.00
51	Reconnect Existing 24-inch Gravity Sewer to New Manhole	1	EA	\$ 950.00	\$ 950.00
52	Reconnect Existing 48-inch Gravity Sewer to New Manhole	1	EA	\$ 4,050.00	\$ 4,050.00
53	Cut and Cap Existing 8-inch Sewer	2	EA	\$ 450.00	\$ 900.00
54	Cut and Cap Existing 24-inch Sewer	2	EA	\$ 920.00	\$ 1,840.00
55	Pipe Abandonment, Safeload, 24-inch pipe	327	LF	\$ 86.00	\$ 28,122.00
56	Video inspection of new sewer pipe	7,553	LF	\$ 8.45	\$ 63,822.85
57	Bituminous Pavement: Trench Construction, Street	5,250	SY	\$ 55.65	\$ 292,162.50
58	Portland Cement Concrete: Private Driveway Apron only	75	SY	\$ 100.00	\$ 7,500.00

59	Bituminous Pavement: Private Driveway, Extra as directed by Engineer	100	SY	\$ 177.00	\$ 17,700.00
60	Portland Cement Concrete Pavement: Private Driveway, Extra as directed by Engineer	100	SY	\$ 100.00	\$ 10,000.00
61	Sidewalk Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	173	SY	\$ 130.00	\$ 22,490.00
62	Sidewalk Ramps, Including Detectable Warning Strips	1	EA	\$ 1,265.00	\$ 1,265.00
63	Roadway Striping	4,350	LF	\$ 1.75	\$ 7,612.50
64	Shared Lane and Arrow Pavement Markings, Extra as directed by Engineer	20	EA	\$ 250.00	\$ 5,000.00
65	Removal & Replacement 24-inch RCP Storm Sewer (including Headwall)	205	LF	\$ 122.75	\$ 25,163.75
66	Removal & Replacement 15-inch RCP Storm Sewer	50	LF	\$ 88.55	\$ 4,427.50
67	Removal & Replacement 12-inch RCP Storm Sewer	10	LF	\$ 85.00	\$ 850.00
68	Removal & Replacement CBI (TYPE "B")	3	EA	\$ 7,500.00	\$ 22,500.00
69	Concrete Curb Removal and Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	385	LF	\$ 66.00	\$ 25,410.00
70	Bypass Pumping and Setup	1	LS	\$ 550,000.00	\$ 550,000.00
71	Maintenance of Traffic	1	LS	\$ 46,575.00	\$ 46,575.00
72	Site Restoration, Method A	100	SY	\$ 12.00	\$ 1,200.00
73	Site Restoration, Method B	13,850	SY	\$ 2.70	\$ 37,395.00
74	Site Restoration, Method C	100	SY	\$ 3.60	\$ 360.00
75	Seeding, Temporary, Extra as directed by Engineer	100	SY	\$ 1.50	\$ 150.00
76	Dense Graded Aggregate - DGA, Extra as directed by Engineer	1	Ton	\$ 30.15	\$ 30.15
77	No. 9 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 39.25	\$ 39.25
78	No. 57 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 34.50	\$ 34.50
79	No. 2 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 33.85	\$ 33.85

80	Install Cleanout, Extra as directed by Engineer	10	EA	\$ 908.00	\$ 9,080.00
81	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement), Extra as directed by Engineer	100	LF	\$ 87.50	\$ 8,750.00
82	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement), Extra as directed by Engineer	100	LF	\$ 37.50	\$ 3,750.00
83	Combo Vacuum/Hydraulic Jet/Hydro Excavator, extra as directed by Engineer	10	HR	\$ 390.00	\$ 3,900.00
84	Sidewalk Replacement, Extra as directed by Engineer	1	SY	\$ 130.00	\$ 130.00
85	Concrete Curb Removal and Replacement, Extra as directed by Engineer	1	LF	\$ 65.00	\$ 65.00
86	Easement and Property Requirements (MOU Conditions)	1	LS	\$ 59,455.00	\$ 59,455.00
87	Allowance: Miscellaneous Site Improvements	1	LS	\$500,000	\$ 500,000.00
88	Allowance: Third Party professional pre-construction photographic documentation	1	LS	\$3,000	\$ 3,000.00
89	Creek Crossing Line B	1	LS	\$ 30,000.00	\$ 30,000.00
90	Creek Crossing Line C	1	LS	\$ 28,000.00	\$ 28,000.00
TOTAL BID (Items 1 thru 90)					\$8,147,353.00

TOTAL BID AMOUNT:

eight million one hundred forty seven thousand three hundred fifty three and no cents

Dollars (\$ 8,147,353.00)

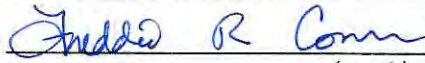
Respectfully Submitted,

FIRM: Connhurst, LLC

ADDRESS: 879 Wilson Run Road

CITY/STATE/ZIP: Wallingford KY 41093

DATE: October 27, 2022

BY: 
(must be original signature)

TITLE: Vice President

PHONE: (606) 286-0387 FAX: (606) 286-6263
(area code, number & extension)

EMAIL ADDRESS: connhurst@hotmail.com

OFFICIAL ADDRESS AND PHONE:

(Seal if Bid is by Corporation)

By signing this form you agree to all of the terms and associated forms.

SECTION 02431 - TUNNEL GROUT

PART 1 - GENERAL

1.1 SCOPE

- A. This Section covers mix design requirements, testing, furnishing and production of grout for:
 - 1. Grouting of annular space between initial support system/casing and excavation;
 - 2. Grouting voids in ground resulting from caving, loss of ground or settlement;
 - 3. Cutoff grouting after excavation for eliminating or retarding groundwater infiltration into the underground excavations;
 - 4. Consolidation grouting at tunnel face prior to excavation to provide excavation stability for tunneling operations;
 - 5. Permeation Grouting near the exit shaft to fill the pores in soil and voids/fractures in disintegrated rock.

1.2 DEFINITIONS

- A. Annular Backfill Grout: Fluid grout mix used to fill the annular space, including all voids, between the tunnel carrier pipe and the initial support system/casing under low-pressure.
- B. Final Exterior Grouting: Grouting of the exterior of tunnel support system/casing and the unexcavated ground.
- C. Ground Stabilization Grouting: Grout injected under gravity or pressure from the surface, through the initial tunnel support or at the face of the tunnel as selected and designed by the Contractor. Ground stabilization grouting includes the following:
 - 1. Grout used to fill voids, fissures, or under-slab settlement due to caving or loss of ground.
 - 2. Grout used to retard the flow of groundwater.
 - 3. Grout used for consolidation prior to excavation to provide stability at tunnel face.
 - 4. Grout used to fill pores, voids, and fractures in disintegrated rock.
- D. Void Repair Grouting: Pressure grouting of the exterior of the initial tunnel support or jacking pipe for the immediate filling of voids or larger overcut space to prevent settlement during tunnel excavation.

1.3 REFERENCE STANDARDS

- A. ASTM C 138. Standard Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete.
- B. ASTM C 144. Standard Specification for Masonry Mortar. ASTM C 150. Standard Specification for Portland Cement.

- C. ASTM C 494. Standard Specification for Chemical Admixtures for Concrete.
- D. ASTM C 618. Standard Specification for Fly Ash and Raw or Calcinated Natural Pozzolan for use as a Mineral Admixture in Portland Cement Concrete.
- E. ASTM C 869. Standard Specification for Foaming Agents and in Making Preformed Foam for Cellular Concrete.
- F. ASTM C 937. Standard Specification for Grout Fluidifier for Preplaced Aggregate Concrete.
- G. ASTM C 939. Test Method for Flow of Grout for Preplaced Aggregate Concrete.
- H. ASTM C 940. Standard Test Method for Expansion and Bleeding of Freshly Mixed Grout for Preplaced Aggregate Concrete.
- I. ASTM C 942. Standard Test Method for Compressive Strength of Grout for Preplaced Aggregate Concrete into Laboratory.
- J. ASTM C 953. Standard Test Method for Time of Setting of Grout for Preplaced Aggregate Concrete in the Laboratory.
- K. ASTM C 1017. Standard Specification for Chemical Admixture for use in Producing Flowing Concrete.
- L. U.S. Army Corps of Engineers Specification CRD C 621, Non-shrink Grout.

1.4 SUBMITTALS. The following information shall be submitted in accordance with the submittals section:

- A. A grout work plan addressing all four (4) grout type applications as defined in section 1.02 of this specification, including,
 - 1. Description of materials and grout mix.
 - 2. Working drawings and descriptions of proposed grouting systems and methods detailing type and location of equipment and operational procedures to accomplish each grouting operation, injection points, means of accurately measuring grout pressures and volumes, venting method, flowlines, grouting sequence, schedule and limits of lift segments, and stage volumes.
- B. Copies of independent laboratory test reports, including all test data certifying that the selected products will produce grouts with the characteristics and the qualities required for completion of the Work.
- C. A grout mix design report, including:
 - 1. Grout type and designation.
 - 2. Grout mix constituents and proportions, including materials by weight and volume.
 - 3. Grout densities and viscosities, including wet density at point of placement per ASTM C567.
 - 4. Initial set time of grout per ASTM 403.

5. Flow per ASTM C939.
 6. Bleeding, shrinkage/expansion per ASTM C827 and CRD-C621.
 7. Compressive strength per ASTM 495.
- D. Logs of grouting operations indicating pressure, density, and volume for each grout placement.
- E. The carrier pipe manufacturer's maximum allowable pressure that can be applied during backfilling accounting for grout density (unit weight) and volume of annular space (difference in outside diameter of carrier pipe and inside diameter of initial tunnel lining). Grouting pressure calculations showing grout pressure during annular space grouting will not exceed the carrier pipe manufacturer's recommendations for allowable grouting pressure and safety factor for each lift.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Grouting Materials: Conform to this section, except as modified in the following paragraphs.
- B. Grout Type Applications.
1. Grout for Annular Backfill Grouting. Standard sand-cement mix, structural sand-cement mix or LDCC for all carrier pipe installations. See Specification Section 02426 – Installation of Carrier Pipe in Tunnel.
 2. Ground Stabilization. Standard sand-cement mix or structural sand-cement mix.
 3. Final Exterior Grouting: Structural sand-cement mix.
 4. Void Repair Grouting: Bentonite slurry or bentonite-cement mix.
- C. Do not include toxic or poisonous substances in the grout mix or otherwise inject such substances underground.

2.2 GROUT

- A. Employ and pay for a commercial testing laboratory, acceptable to Engineer, to prepare and test the grout mix design. Develop one or more mixes based on the following criteria as applicable:
1. Size of the annular void between final lining and initial support, or size of the void between initial support and the surrounding soil.
 2. Absence or presence of groundwater.
 3. Adequate retardation.
 4. Non-shrink characteristics.
 5. Pumping distances.
- B. Prepare mixes that satisfy the required application. Materials used in sand-cement grout mixes

shall meet the following standards:

1. Cement: ASTM C 150, Type II.
 2. Fly Ash: ASTM C 618.
 3. Water: Potable.
 4. Slurry: ASTM C 138.
 5. Sand for sand-cement mortar mix: ASTM C 144.
- C. Prepare mixes that satisfy the required application. Materials used in bentonite-cement grout mix shall meet the following standards:
1. Cement: ASTM C 150, Type II.
 2. Fly Ash: ASTM C 618.
 3. Water: Potable.
 4. Slurry: ASTM C 138.
 5. Easy-to-mix, finely ground (200-mesh), premium-grade, high-yielding Wyoming sodium bentonite.
- D. Provide grout that meets the following minimum requirements:
1. Standard sand-cement mortar grout and bentonite-cement mortar grout shall have minimum compressive strength (ASTM C495) of 100 psi, attained within 3 days, and sufficiently flowable to inject through lining and fill voids, with prompt setting to control grout flow and carrier pipe buoyancy. Wet density (unit weight) at placement shall be minimum 75 pcf.
 2. Standard sand-cement mortar grout and bentonite-cement mortar grout shall have minimum compressive strength (ASTM C495) of 200 psi, attained within 28 days.
 3. Structural sand-cement mortar grout shall have minimum 28-day unconfined compressive strength of 1,000 psi.
 4. Laboratory Determine strength by ASTM C 942.
- E. Fluidifier. Use a fluidifier, meeting ASTM C 937, which holds the solid constituents of the grout in colloidal suspension and is compatible with the cement and water used in the grouting operations.
- F. Admixtures.
1. Use admixtures meeting ASTM C 494 and ASTM C 1017 as required, to improve pumpability, to control time of set, to hold sand in suspension and to reduce segregation and bleeding.
 2. Do not use admixtures that promote steel corrosion.
 3. Ensure that admixtures used in a mix are compatible. Provide written confirmation from the admixture manufacturers of their compatibility.

2.3 QUALITY ASSURANCE

- A. Pipe Manufacturer Representative. Refer to Section 02426 – Installation of Carrier Pipe in Tunnel for pipe manufacturer field services employee requirements during annular backfill grouting.

PART 3 – EXECUTION

3.1 PREPARATION

- A. Notify Engineer at least 24 hours in advance of grouting operations.
- B. Select and operate grouting equipment to avoid damage to new or existing underground utilities and structures.
- C. In selection of grouting placement consider pipe flotation, length of pipe, length of tunnel, depth from surface, type of final lining, type of pipe blocking and bulkheading, grout volume and length of pipe to be grouted between bulkheads.
- D. Operate any dewatering systems until the grouting operations are complete.

3.2 EQUIPMENT

- A. Batch and mix grout in equipment of sufficient size and capacity to provide the necessary quality and quantity of grout for each placement stage.
- B. Use equipment for grouting of a type and size generally used for the work, capable of mixing grout to a homogeneous consistency, and providing means of accurately measuring grout component quantities and accurately measuring pumping pressures. Use pressure grout equipment which delivers grout to the injection point at a steady pressure.

3.3 GROUND STABILIZATION GROUTING

- A. General
 - 1. Ground stabilization grouting operations shall be carried out in accordance with approved shop drawings for each type of grout employed.
 - 2. Carry out all hole washing, pressure testing, and grout injection operations in the presence of the Engineer.
 - 3. Contractor shall modify the grout mixes as necessary to meet the characteristics of each hole.
 - 4. All sanded grout mixtures shall contain a fluidifier, as required.
- B. Materials Storage.
 - 1. Furnish in undamaged, moisture proof sacks or other containers bearing manufacturer's label.
 - 2. Store adequate supply at site to prevent delays.

3. Protect and keep dry, observing all manufacturer's recommendations.
4. Cement. Use 100 mesh screen to remove any cement lumps or other deleterious materials, if found in the cement.
5. Fluidifier. Reject material which has become hard due to moisture absorption.

C. Equipment

1. Drilling Equipment.
 - a. Use rotary and/or percussion drilling equipment.
 - b. Dry drilling shall not be permitted.
2. Grouting Equipment – General.
 - a. Designed for mixing and injecting grout, maintained in satisfactory operating condition at all times, and capable of satisfactorily mixing and agitating the grout and forcing it into the grout holes in a uniform flow and at a constant pressure.
 - b. The grouting equipment shall be on hand and in working order prior to start of tunnel and shaft excavation
 - c. Clean equipment and tanks by constant recirculation of grout and by periodic flushing with water.
 - d. Pipe system designed so that water flushing can be accomplished by closing grout injection valve, opening water supply valve and running grout pump at full speeds.
 - e. Depending on type of grouting operation, the grouting equipment and fittings shall be capable of, and furnished with, sufficient fittings to simultaneously grout up to five (5) grout connections.

D. Pipes and Fittings.

1. Provide 1- 1/2 inch or larger grout pipe.
2. Embed pipes in the rock surface, and/or concrete bulkheads for consolidation grouting connections and/or air vents.
3. Set the inner end of pipes not less than two inches back from the finished inside surface.
4. Set the grout pipes so that grout can flow freely to the voids and crevices.
5. For Final Exterior Grouting clean out the grout ports installed in the tunnel pipes by drilling through the pipe ports and two inches into unexcavated rock.
6. Provide suitable stop valve at collar of hole for use in maintaining pressure required until grout has set.

E. Mixers and Agitators.

1. Provide mixer with transfer pump for transferring grout to agitator holding tank.

2. Deliver grout to injection point at a steady pressure without pulsation, using a grout pump at agitator tank.
3. Provide sufficient tank capacity to insure an uninterrupted supply of slurry to grout pump.
4. Provide means to increase or decrease water-cement ratio.
5. Equip water supply connection with accurate meter.

F. Grout Hose and Connections

1. Provide 1- 1/2 inch or larger grout hose capable of withstanding maximum anticipated water and grout pressures.
2. Make connections so as to prevent leakage.
3. Remove plugs on ends of grout holes or pipes to permit escape of air and water and the filling of spaces with grout.
4. At point of injection, provide suitable valves and accurate pressure gages so that pressure and grout flow at grout hole may be monitored and regulated by increasing or decreasing the flow in the grout return line.
5. Provide shutoff valve and flow-regulating diaphragm valve at each connection.

G. Pressure Gauges.

1. Provide one (1) at each point of injection on the manifold.
2. Provide one (1) at the grout pump.
3. Provide each gauge with seal preventing grout from entering gage.
4. Select gauge range so that maximum operating pressure is about two-thirds maximum capacity.
5. Do not grout without appropriate gauges in place and in working order.
6. Provide calibrated check gauge and check operating gages

H. Voids

1. Completely fill voids outside the limits of excavation caused by collapse of ground or in areas indicated in the Drawings. Fill with gravity or pressure injected standard sand-cement grout as necessary to fill the void.
 - a. Take care in grouting operations to prevent damage to adjacent utilities or public or private property. Grout at a pressure that will not distort or imperil any portion of the work or existing installations or structures.
 - b. Verify that the void has been filled by volumetric comparisons and visual inspection. In the case of settlement under existing slabs, take cores as directed by Engineer, at no additional cost to Owner, to demonstrate that the void has been filled.

3.4 VOID REPAIR GROUTING

- A. Immediately upon discovery of a void or void(s) outside the limits of excavation caused by over excavation, overbreak, boulder or obstruction removal, an existing void, or collapse of ground, contractor shall stop tunnel excavation activities and backfill void space to prevent enlargement of void space and potential for surface settlement. Pump bentonite slurry or bentonite-cement mix to temporarily fill void until completing installation of initial tunnel support. Upon completion of installation of initial tunnel support fill the voids in accordance with final exterior grouting requirements below.

3.5 FINAL EXTERIOR GROUTING

- A. Pump structural grout to grout the annular space between initial tunnel support and excavation. The schedule for installing and methodology for installing this grout and will be in accordance with Section 02425 – Initial Tunnel Support.

3.6 ANNULAR BACKFILL GROUTING FOR RIBS AND LAGGING

- A. Fill the annular space between the carrier pipe and the tunnel initial support or jacking pipe with grout as defined herein.
- B. Placement
 1. Placement Limits: The limits of each grout placement stage shall be predetermined by the size and capacity of the batching equipment and the initial set time of the proposed grout. Under no circumstances shall placement continue at an injection point longer than that period of time for the mix to take initial set. Grout hole spacing, and locations shall be located according to the number of stages necessary to complete the grouting process. A stage or lift cannot be installed on another lift until a proper set has been attained. Placement procedures shall be approved by the admixture or additive manufacturer and submitted in writing to the Engineer.
 2. Limit pressure on the annular space to prevent damage or distortion to the carrier pipe or initial support. Define the limiting and estimated required pressure range. Provide an open ended, high point tap or equivalent vent and monitor it at the bulkhead opposite to the point of grouting.
 3. Pump grout until the material discharging is similar in consistency to that at point of injection.
 4. Length of carrier pipe installed between grouting shall not exceed the annular backfill grouting maximum reach (lift segment) requirements in Specification Section 02426 – Installation of Carrier Pipe in Tunnel unless Contractor can clearly demonstrate that placement beyond these lengths can be accomplished with complete backfill of the annulus (no voids), no pressure damage to the carrier pipe and no thermal damage to the carrier pipe. Repeat this cycle until all carrier pipe is installed and grouted.
- C. Protection and Clean Up
 1. Take all necessary precautions to protect and preserve the interior of the carrier pipe from damage. Spills shall be minimized and shall be cleaned up immediately. Any damage to the pipe caused by or occurring during the backfilling operations shall be repaired by a method approved by the Engineer, at no additional cost to the Owner.

2. During backfill grouting work, provide for adequate disposal of all waste and wastewater. Remove and properly dispose of all waste resulting from backfill grouting operations.

3.7 STRUCTURAL GROUTING

- A. Completely fill voids or structures as indicated on the Drawings. Fill with gravity or pressure injected structural sand-cement grout as necessary to fill the void.
- B. Take care in grouting operations to prevent damage to adjacent utilities or public or private property. Grout at a pressure that will not distort or imperil any portion of the work or existing installation or structures.
- C. Verify that the void or structure has been filled by volumetric comparisons and visual inspection.

3.8 FIELD QUALITY CONTROL

- A. General. Field control tests, including unit weight (wet density), and compression tests shall be performed by the Contractor and the results submitted to the Engineer.
 1. The frequency specified herein for each field control test is approximate. A greater or lesser number of tests may be made, as required by the Engineer.
 2. Test specimens shall be collected within the tunnel at or near the connection where the grout is being injected.
 3. The Contractor shall assist the Engineer in obtaining test cylinders. Supply all materials necessary for obtaining the test cylinders, including cylinder molds.
 4. Monitor carrier pipe temperature for one week after grout placement no less than once per day. Submit temperature readings for the entire period to the Engineer.
- B. Unit Weight. Unit weight (wet density) tests shall be made from the first batch mixed each day, after a change in mix design, every 30 minutes during pumping, and from each batch of grout from which compression test cylinders are made. Unit weight shall be determined in accordance with ASTM C 567. Unit weight at the point of placement shall be within plus or minus 5 percent of the unit weight established for the mix design being placed. Adjust mix as required to obtain the specified wet density.
- C. Compression test cylinders shall be made in the field, cured and stored in the laboratory, and tested in accordance with ASTM C 495.
- D. Each set of compression test cylinders shall be marked or tagged with the date and time of day the cylinders were made, the location (station) in the work where the grout represented by the cylinder was placed, batch number, and unit weight (wet density).
- E. Each set of test cylinders shall consist of six (6) cylinders. Two cylinders from each set will be tested at an age of 3 days, two cylinders from each set will be tested at an age of 28 days and two cylinders from each set shall be kept as spares in case further testing is required.
- F. Compressive strength of grout shall be considered satisfactory if both of the following requirements are met:
 1. Average of three consecutive compressive strength tests equal or exceed the specified unconfined compressive strength. (A strength test shall be the average of two compressive

strengths of two cylinders made from the same concrete sample and tested at the age specified.)

2. No individual compressive strength test (average of the two cylinders) is below the specified unconfined compressive strength by more than 20 percent.
- G. Contractor to provide testing of grout as follows:
1. Annular Grouting for final lining in Tunnels or Tunnel Casings.
 - a. Make one set of six (6) compressive test specimens for every 100 cubic yards of grout installed in two-pass tunnel.
 2. Ground Stabilization Grouting.
 - a. Make one set of four (4) compressive test specimens for every 100 cubic yards where ground stabilization grouting is performed.
 3. Structural Grouting
 - a. Make one set of four (4) compressive test specimens for every 100 cubic yards where ground stabilization grouting is performed.

- END OF SECTION -

**ADDENDUM No. 3**Bid Number: **#115-2022**

Date: October 21, 2022

Subject: West Hickman Trunk E Sewer Improvements
Remedial Measures Plan ID No. WH-10Address inquiries to:
Q&A Module on Ion WaveBrian Marcum
brianm@lexingtonky.gov
(859) 258-3325**TO ALL PROSPECTIVE SUBMITTERS:**

Please be advised of the following clarifications to the above referenced Bid:

	Questions	Answers
1.	Are we allowed to trim trees that overhang city streets?	Trim trimming will be allowed but shall be minimized. Tree trimming requests shall be included in the Tree Removal Plan, and the Contractor shall receive authorization before beginning tree trimming.
2.	Is the information summarized below, correct? We are suggesting that in some cases PR Class 350 is overkill for DI gravity sewer 14"-36" even at the depths listed. 10" & 12" will need to be PR CL 350, but the trench type can be reduced. Will all other pipe types listed in the spec. have to use the type 5 laying condition?	Refer to Specification Section 02532 – Sewage Collection Lines. Refer to the Trenching, Laying, Backfilling, and Bedding details on sheet SD1.
3.	May I obtain a list of those who attended the Pre-Bid Meeting?	A list of attendees was included in Addendum #2.



MAYOR LINDA GORTON



LEXINGTON

TODD SLATIN
DIRECTOR
CENTRAL PURCHASING

1. CLARIFICATIONS

A. None at this time.

2. DRAWINGS

A. None at this time.

3. SPECIFICATIONS

A. None at this time.

Todd Slatin

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Bid and specifications are unchanged.
This letter should be signed, attached to and become a part of your Bid.

COMPANY NAME: Connhurst, LLC

ADDRESS: 879 Wilson Run Road, Wallingford KY 41093

SIGNATURE OF BIDDER: *Freddie R Conn*





ADDENDUM #4

Bid Number: #115-2022

Date: October 27, 2022

Subject: West Hickman E Trunk Sewer Project
to:

Address Inquiries

Brian Marcum
brianm@lexingtonky.gov

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced bid:

Bids forms must be completed and submitted electronically in Ionwave, there are no bid units in Ionwave to complete, a bid tabulation will be issued immediately after opening with the total bid amounts.

Attached for your convenience is an excel spreadsheet to assist with the completion of you bid. Submitting this excel spreadsheet is optional, your bid form pricing must be completed and submitted.

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the RFP and specifications are unchanged. This letter should be signed, attached to and become a part of your submittal.

COMPANY NAME: **Connhurst, LLC**

ADDRESS: **879 Wilson Run Road Wallingford KY 41093**

SIGNATURE OF BIDDER: *Judith R Conn*



SECTION 00410 – BID FORM

WEST HICKMAN TRUNK E SEWER IMPROVEMENTS

**Division of Water Quality
Lexington-Fayette Urban County Government**

LFUCG Bid No. 115-2022

1.01 GENERAL

Place: Lexington, Kentucky

Date: October 27, 2022

The following Bid Form shall be followed exactly in submitting a Bid for this Work.

This Bid Form Submitted by Connhurst, LLC
879 Wilson Run Road, Wallingford KY 41093
(Name and Address of Bidder)

(Hereinafter called "Bidder"), organized and existing under the laws of the State of Kentucky, doing business as Limited Liability Corporation
"a corporation," "a partnership", or an "individual" as applicable

To: Lexington-Fayette Urban County Government
(Hereinafter called "Owner")
Office of the Director of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507

The Bidder, in compliance with your Advertisement for Bids for the **West Hickman Trunk E Sewer Improvements**; Lexington, Kentucky, having examined the Contract Documents including the Plans and Specifications with related documents, having examined the site for proposed Work, and being familiar with all of the conditions and any and all addendums surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the **Unit Prices** stated hereinafter. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Bid is a part.

The Bidder hereby agrees to commence Work under this Contract on a date to be specified in a written "Notice to Proceed" of the Owner and to substantially complete the Project within **540** days, consecutive calendar days. Bidder further agrees to pay liquidated damages, the sum of One Thousand Dollars and Zero Cents (\$1,000.00) for each consecutive day thereafter.

The Bidder hereby acknowledges receipt of the following addenda:

Addendum No. 1 Date 10/06/22 ; Addendum No. ____ Date _____
Addendum No. 2 Date 10/17/22 ; Addendum No. ____ Date _____
Addendum No. 3 Date 10/21/22 ; Addendum No. ____ Date _____
Addendum No. 4 Date 10/27/22 ; Addendum No. ____ Date _____

Insert above the number and the date of any Addendum issued and received. If none has been issued and received, the word "NONE" should be inserted.

1.02 LEGAL STATUS OF BIDDER

Bidder Connhurst, LLC

—

Date October 26, 2022

*A. A corporation duly organized and doing business under the laws of the State of Kentucky, for whom Freddie R. Conn, bearing the official title of Vice President, whose signature is affixed to this Bid is duly authorized to execute contracts.

*B. A Partnership, all of the members of which, with addresses are: (Designate general partners as such)

*C. An individual, whose signature is affixed to this Bid. (Print name)

* The Bidder shall fill out the appropriate form and strike out the other two.

1.03 BIDDERS AFFIDAVIT

Comes the Affiant, Freddie R. Conn, and after being first duly sworn, states under penalty of perjury as follows:

- A. His/her name is Freddie R. Conn and he/she is the individual submitting the Bid or is the authorized representative of Connhurst, LLC, the entity submitting the Bid (hereinafter referred to as "Bidder").
- B. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the Bid is submitted, prior to award of the Agreement and will maintain a "current" status in regard to those taxes and fees during the life of the Agreement.
- C. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the Agreement.
- D. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
- E. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of an Agreement to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
- F. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as the "Ethics Act."
- G. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his/her conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

Freddie R. Conn v.p.
Affiant Signature

STATE OF Kentucky
COUNTY OF Carter

The foregoing instrument was subscribed, sworn to and acknowledged before me by

Freddie R. Conn on this the 26-27 day of Oct, 20 22.

My Commission expires: 3-10-23

Donna R. Conn
NOTARY PUBLIC, STATE AT LARGE

1.04 BID SCHEDULE

The Bidder agrees to perform all the Work described in the Specifications and shown on the Plans for the following proposed lump sum and/or unit prices, if applicable, which shall include the furnishing of all labor, materials, supplies, equipment and/or vehicle usage, services, all items of cost, overhead, taxes (federal, state, local), and profit for the Contractor and any Subcontractor involved, within the time set forth herein. If unit prices are applicable, Bidder must make the extensions and additions showing the total amount of Bid. In all cases of discrepancies or math errors the amount written in for the unit price of an item shall govern.

If a discrepancy between the unit price and the item total exists, the unit price prevails except:

If the unit price is illegible, omitted, or the same as the item total, item total prevails and the unit price is the quotient of the item total and the quantity.

If the unit price and the item total are illegible or are omitted, the bid may be determined nonresponsive. If a lump sum total price is illegible or is omitted, the bid may be determined nonresponsive.

By submitting a Bid, the Bidder acknowledges that the trenchless constructability of all tunnels shown on the Contract Drawings have been vetted by the Bidder and that the Bidder's own design has been advanced to the extent necessary to establish, in the Bidder's own opinion, the ability to safely construct by means of tunneling methods.

A Preliminary Tunnel Plan shall be developed by the Bidder, concurrent with the development of the Bid, to document the Bidder's awareness and understanding of the quantity of, location of, and access to the portions of the Contract that are required to be built by trenchless means. The Preliminary Tunnel Plan is a conceptual plan establishing the capability to accomplish the tunnel construction required by Contract. Following award of the Contract, the Contractor shall modify the Preliminary Tunnel Plan as needed to develop the most efficient construction plan of operation in accordance with Contract Documents. Requirements for submittal of and content of the Preliminary Tunnel Plan shall be in accordance with this Section.

Apparent Low Bidder shall submit, no later than 48 hours after Bid Opening, a Preliminary Tunnel Work Plan as part of its Bid. The Preliminary Tunnel Work Plan shall consist of sketches, markups, and/or narrative explanations. Legible hand written notes on Bid Documents (e.g.: Bid Drawings) are acceptable. The Preliminary Tunnel Work Plan shall include the following:

- A. Indication of diameter, type, and material of initial tunnel support, casings, or jacking pipe for Pipe – (23).**
- B. Indication of tunnel drive direction.
- C. Indication of basic tunnel equipment type, size, make, and model anticipated such as tunnel boring machine size, microtunnel boring machine, pipe jacked shield, auger boring machine, or utility hand tunneling methods.
- D. Indication of conceptual understanding of all shaft locations, size (e.g.: diameter, length and width), orientation, anticipated conceptual method of support, staging/storage, and means of site access for each tunnel shaft as required for the Bidder's specific means and methods.
- E. Conceptual markup of plan, profile, or detail drawings of the following:
 - 1. groundwater removal process and safe discharge locations,
 - 2. spoil handling and storage, and
 - 3. method of installation and blocking of carrier pipe

- F. Preliminary indication all areas where potential ground modification strategies are anticipated or will be further explored by the Bidder upon award of the Contract.

For a lump sum based bid, the item total is the bid amount the Owner uses for bid comparison.

For a unit price based bid, the sum of the item totals is the bid amount the Owner uses for bid comparison.

The Bidder must indicate the base bid pipe material by circling the selected pipe material at the time of the submission of the Bid.

The Owner's decision on the bid amount is final.

BID SCHEDULE

Item	Description	Qty	Unit	Unit Price	Item Price
1	Mobilization	1	LS	\$ 150,000.00	\$ 150,000.00
2	Bonds and Insurance	1	LS	\$ 216,000.00	\$ 216,000.00
3	General Requirements	1	LS	\$ 225,000.00	\$ 225,000.00
4	Demobilization	1	LS	\$ 25,000.00	\$ 25,000.00
5	Clearing & Grubbing	1	LS	\$ 35,000.00	\$ 35,000.00
6	Tree Protection Fence	240	LF	\$ 10.00	\$ 2,400.00
7	Erosion and Sediment Control and Conformance with SWPPP	1	LS	\$ 27,000.00	\$ 27,000.00
8	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement)	100	EA	\$ 4,506.00	\$ 450,600.00
9	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement)	2	EA	\$ 3,805.00	\$ 7,610.00
10	PVC (SDR) 35 Gravity Sewer Lateral (Directly connected to Manhole)	6	EA	\$ 4,155.00	\$ 24,930.00
11	10-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP, <u>PVC</u> , FRP)	49	LF	\$ 95.25	\$ 4,667.25
12	15-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, <u>PVC</u> , FRP)	115	LF	\$ 221.00	\$ 25,415.00
13	16-Inch Gravity Sewer Pipe, 0' to 6.0' depth (<u>DIP</u> , Creek Crossing)	35	LF	\$ 385.30	\$ 13,485.50
14	16-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (<u>DIP</u> , Creek Crossing)	54	LF	\$ 464.80	\$ 25,099.20
15	16-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (<u>DIP</u> , Creek Crossing)	124	LF	\$ 567.50	\$ 70,370.00
16	24-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, <u>PVC</u> , FRP)	158	LF	\$ 334.80	\$ 52,898.40
17	24-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, <u>PVC</u> , FRP)	56	LF	\$ 519.20	\$ 29,075.20

18	24-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC , FRP)	69	LF	\$ 634.25	\$ 43,763.25
19	24-Inch Gravity Sewer Pipe, 0' to 6.0' depth (DIP Creek Crossing)	49	LF	\$ 595.55	\$ 29,181.95
20	30-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC, FRP, PP)	2,377	LF	\$ 361.40	\$ 859,047.80
21	30-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	730	LF	\$ 504.25	\$ 368,102.50
22	30-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	62	LF	\$ 756.45	\$ 46,899.90
23	36-Inch Gravity Sewer Pipe, 6.1' to 10.0' depth (DIP, PVC, FRP, PP)	164	LF	\$ 398.95	\$ 65,427.80
24	36-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	1,094	LF	\$ 550.85	\$ 602,629.90
25	36-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	614	LF	\$ 755.70	\$ 463,999.80
26	42-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	842	LF	\$ 609.75	\$ 513,409.50
27	48-Inch Gravity Sewer Pipe, 10.1' to 15.0' depth (DIP, PVC, FRP, PP)	480	LF	\$ 698.50	\$ 335,280.00
28	48-Inch Gravity Sewer Pipe, 15.1' to 20.0' depth (DIP, PVC, FRP, PP)	228	LF	\$ 933.40	\$ 212,815.20
29	Tunnel Line Segment Pipe - (23), West Hickman Creek at New Circle Rd., 305 LF of 48-inch casing pipe with a 30-inch carrier pipe. See Tunneling Method Table in the Project Specific Notes for additional information. <u>Tunneling Method (Circle One)</u> <ul style="list-style-type: none"> • Microtunneling Boring Machine (MTBM) • Tunnel Boring Machine (TBM) • Pipe Jacking with Shield (PJ/S) • <u>Guided Bore and Jack (GB&J)</u> 	1	LS		\$ 973,535.00
				\$ 973,535.00	
30	Tunneling (Extra as Directed by Engineer Item)	1	LF	\$ 3,500.00	\$ 3,500.00
31	Manhole Abandonment	1	EA	\$ 1,500.00	\$ 1,500.00
32	Standard Manhole, 4-foot diameter, 0' to 6.0' depth	5	EA	\$ 3,470.00	\$ 17,350.00
33	Standard Manhole, 4-foot diameter VF	4	VF	\$ 158.85	\$ 635.40
34	Drop Manhole, 4-foot diameter, 0' to 6.0' depth	1	EA	\$ 4,448.55	\$ 4,448.55
35	Drop Manhole, 4-foot diameter VF	1	VF	\$ 268.00	\$ 268.00

36	Standard Manhole, 5-foot diameter, 0' to 6.0' depth	9	EA	\$ 5,578.20	\$ 50,203.80
37	Standard Manhole, 5-foot diameter VF	23	VF	\$ 253.00	\$ 5,819.00
38	Drop Manhole, 5-foot diameter, 0' to 6.0' depth	2	EA	\$ 9,525.00	\$ 19,050.00
39	Drop Manhole, 5-foot diameter VF	13	VF	\$ 255.00	\$ 3,315.00
40	Standard Manhole, 6-foot diameter, 0' to 6.0' depth	14	EA	\$ 8,633.00	\$ 120,862.00
41	Standard Manhole, 6-foot diameter VF	70	VF	\$ 360.00	\$ 25,200.00
42	Drop Manhole, 6-foot diameter, 0' to 6.0' depth	5	EA	\$ 12,431.50	\$ 62,157.50
43	Drop Manhole, 6-foot diameter VF	31	VF	\$ 373.75	\$ 11,586.25
44	Standard Manhole, 8-foot diameter, 0' to 6.0' depth	3	EA	\$ 12,565.00	\$ 37,695.00
45	Standard Manhole, 8-foot diameter VF	30	VF	\$ 995.85	\$ 29,875.50
46	Manhole Anti-Flotation Collar	18	EA	\$ 1,265.00	\$ 22,770.00
47	Reconnect Existing 8-inch Gravity Sewer to New Manhole	15	EA	\$ 350.00	\$ 5,250.00
48	Reconnect Existing 10-inch Gravity Sewer to New Manhole	5	EA	\$ 450.00	\$ 2,250.00
49	Reconnect Existing 12-inch Gravity Sewer to New Manhole	1	EA	\$ 500.00	\$ 500.00
50	Reconnect Existing 15-inch Gravity Sewer to New Manhole	1	EA	\$ 760.00	\$ 760.00
51	Reconnect Existing 24-inch Gravity Sewer to New Manhole	1	EA	\$ 950.00	\$ 950.00
52	Reconnect Existing 48-inch Gravity Sewer to New Manhole	1	EA	\$ 4,050.00	\$ 4,050.00
53	Cut and Cap Existing 8-inch Sewer	2	EA	\$ 450.00	\$ 900.00
54	Cut and Cap Existing 24-inch Sewer	2	EA	\$ 920.00	\$ 1,840.00
55	Pipe Abandonment, Safeload, 24-inch pipe	327	LF	\$ 86.00	\$ 28,122.00
56	Video inspection of new sewer pipe	7,553	LF	\$ 8.45	\$ 63,822.85
57	Bituminous Pavement: Trench Construction, Street	5,250	SY	\$ 55.65	\$ 292,162.50
58	Portland Cement Concrete: Private Driveway Apron only	75	SY	\$ 100.00	\$ 7,500.00

59	Bituminous Pavement: Private Driveway, Extra as directed by Engineer	100	SY	\$ 177.00	\$ 17,700.00
60	Portland Cement Concrete Pavement: Private Driveway, Extra as directed by Engineer	100	SY	\$ 100.00	\$ 10,000.00
61	Sidewalk Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	173	SY	\$ 130.00	\$ 22,490.00
62	Sidewalk Ramps, Including Detectable Warning Strips	1	EA	\$ 1,265.00	\$ 1,265.00
63	Roadway Striping	4,350	LF	\$ 1.75	\$ 7,612.50
64	Shared Lane and Arrow Pavement Markings, Extra as directed by Engineer	20	EA	\$ 250.00	\$ 5,000.00
65	Removal & Replacement 24-inch RCP Storm Sewer (including Headwall)	205	LF	\$ 122.75	\$ 25,163.75
66	Removal & Replacement 15-inch RCP Storm Sewer	50	LF	\$ 88.55	\$ 4,427.50
67	Removal & Replacement 12-inch RCP Storm Sewer	10	LF	\$ 85.00	\$ 850.00
68	Removal & Replacement CBI (TYPE "B")	3	EA	\$ 7,500.00	\$ 22,500.00
69	Concrete Curb Removal and Replacement (STA 0+00, STA 18+50, STA 34+25, STA 41+50 to STA 42+25, STA 42+40 to STA 44+90, and STA 46+62)	385	LF	\$ 66.00	\$ 25,410.00
70	Bypass Pumping and Setup	1	LS	\$ 550,000.00	\$ 550,000.00
71	Maintenance of Traffic	1	LS	\$ 46,575.00	\$ 46,575.00
72	Site Restoration, Method A	100	SY	\$ 12.00	\$ 1,200.00
73	Site Restoration, Method B	13,850	SY	\$ 2.70	\$ 37,395.00
74	Site Restoration, Method C	100	SY	\$ 3.60	\$ 360.00
75	Seeding, Temporary, Extra as directed by Engineer	100	SY	\$ 1.50	\$ 150.00
76	Dense Graded Aggregate - DGA, Extra as directed by Engineer	1	Ton	\$ 30.15	\$ 30.15
77	No. 9 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 39.25	\$ 39.25
78	No. 57 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 34.50	\$ 34.50
79	No. 2 Crushed Stone, Extra as directed by Engineer	1	Ton	\$ 33.85	\$ 33.85

80	Install Cleanout, Extra as directed by Engineer	10	EA	\$ 908.00	\$ 9,080.00
81	PVC (SDR) 35 Gravity Sewer Lateral (In Pavement), Extra as directed by Engineer	100	LF	\$ 87.50	\$ 8,750.00
82	PVC (SDR) 35 Gravity Sewer Lateral (Not in Pavement), Extra as directed by Engineer	100	LF	\$ 37.50	\$ 3,750.00
83	Combo Vacuum/Hydraulic Jet/Hydro Excavator, extra as directed by Engineer	10	HR	\$ 390.00	\$ 3,900.00
84	Sidewalk Replacement, Extra as directed by Engineer	1	SY	\$ 130.00	\$ 130.00
85	Concrete Curb Removal and Replacement, Extra as directed by Engineer	1	LF	\$ 65.00	\$ 65.00
86	Easement and Property Requirements (MOU Conditions)	1	LS	\$ 59,455.00	\$ 59,455.00
87	Allowance: Miscellaneous Site Improvements	1	LS	\$500,000	\$ 500,000.00
88	Allowance: Third Party professional pre-construction photographic documentation	1	LS	\$3,000	\$ 3,000.00
89	Creek Crossing Line B	1	LS	\$ 30,000.00	\$ 30,000.00
90	Creek Crossing Line C	1	LS	\$ 28,000.00	\$ 28,000.00
TOTAL BID (Items 1 thru 90)					\$8,147,353.00

TOTAL BID AMOUNT:

eight million one hundred forty seven thousand three hundred fifty three and no cents

Dollars (\$ 8,147,353.00)

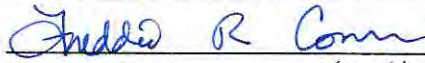
Respectfully Submitted,

FIRM: Connhurst, LLC

ADDRESS: 879 Wilson Run Road

CITY/STATE/ZIP: Wallingford KY 41093

DATE: October 27, 2022

BY: 
(must be original signature)

TITLE: Vice President

PHONE: (606) 286-0387 FAX: (606) 286-6263
(area code, number & extension)

EMAIL ADDRESS: connhurst@hotmail.com

OFFICIAL ADDRESS AND PHONE:

Connhurst, LLC

879 Wilson Run Road

Wallingford KY 41093

(Seal if Bid is by Corporation)

By signing this form you agree to all of the terms and associated forms.

1.05 STATEMENT OF BIDDER'S QUALIFICATIONS

The following statement of the Bidder's qualifications is required to be filled in, executed, and submitted with the Bid:

- A. Name of Bidder: ConnHurst, LLC
- B. Permanent Place of Business: 3534 State Highway 1626, Olive Hill, KY 41164
- C. When Organized: August 14, 2006
- D. Where Incorporated: Kentucky
- E. Financial Condition:

If specifically requested by the Owner, the apparent low Bidder is required to submit its latest three (3) years audited financial statements to the Owner's Division of Central Purchasing within seven (7) calendar days following the Bid opening.

- F. In the event the Agreement is awarded to the undersigned, Performance, Payment, Erosion and Sediment Control, and Warranty bonds will be furnished by:

Old Republic Insurance Company (Surety)

Signed: *Amanda Colley* (Representative of Surety)
Amanda Colley, Attorney-in-fact

- G. The following is a list of similar projects performed by the Bidder: (Attach separate sheet if necessary).

<u>NAME</u>	<u>LOCATION</u>	<u>CONTRACT SUM</u>
<u>East 18" Interceptor Sewer</u>	<u>Mt. Washington, KY</u>	<u>\$1,373,335.00</u>
<u>Water's Edge Sewer Separation</u>	<u>Bellevue, KY</u>	<u>\$3,018,562.00</u>
<u>Village Drive Sewer Project</u>	<u>Elizabethtown, KY</u>	<u>\$2,291,320.33</u>
<u>Wisemantown Sewer</u>	<u>Irvine, Ky</u>	<u>\$3,018,562.00</u>
<u>Meadows-Northland-Arlington</u>	<u>LFUCG</u>	<u>\$997,110.36</u>

- H. The Bidder has now under contract and bonded the following projects:

<u>NAME</u>	<u>LOCATION</u>	<u>CONTRACT SUM</u>
<u>Boyd County, US 60</u>	<u>Cannonsburg, KY</u>	<u>\$7,404,038.70</u>
<u>Strathmore Memorial Sewer</u>	<u>Fort Thomas, KY</u>	<u>\$1,537,948.65</u>
<u>La Grange N. Interceptor Sanitary Phase II</u>	<u>La Grange, KY</u>	<u>\$1,511,682.00</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

I. List Key Bidder Personnel who will work on this Project.

<u>NAME</u>	<u>POSITION DESCRIPTION</u>	<u>NO. OF YEARS WITH BIDDER</u>
Scott Weaver	Foreman	15
Johnny Hardin Jr.	Foreman	15
Bobby Weaver	Foreman, Mechanic, Truck Driver	15
Tim Medwid	Foreman	0
Kyle Crouch	Foreman, Operator	2

J. MWDBE Participation on current bonded projects under contract:

<u>SUBCONTRACTORS (LIST)</u>	<u>PROJECT (SPECIFIC TYPE)</u>	<u>MWDBE</u>	<u>% of WORK</u>
Geco Enterprises	Supplier	Yes	10%
Stewart Contracting	Concrete	No	<1%
ATS Contracting	Asphalt	No	2.3% +/-

(USE ADDITIONAL SHEETS IF NECESSARY)

K. We acknowledge that, if we are the apparent low Bidder, we may be required to submit to the Owner within seven (7) calendar days following the Bid Opening, a sworn statement regarding all office management and field management personnel. Additionally, if requested by the Owner, we will within seven (7) days following the request submit audited financial statements and loss history for insurance claims for the three (3) most recent years (or a lesser period if stipulated by the Owner)

1.06 LIST OF PROPOSED SUBCONTRACTORS

The following list of proposed subcontractors is required by the Owner to be executed, completed and submitted with the Bid Form. All subcontractors are subject to approval of the Lexington-Fayette Urban County Government. Failure to submit this list completely filled out may be cause for rejection of Bid.

<u>BRANCH OF WORK**</u> (List each major item)	<u>SUBCONTRACTOR</u>	<u>MWDBE (yes/no)</u>	<u>% of WORK</u>
1. <u>Supplier</u>	Name: <u>Geco Enterprises</u>	<u>Yes</u>	<u>10%</u>
	Address: <u>P O BOX 463</u>		
	<u>London, KY 40743-0463</u>		
2. <u>Concrete</u>	Name: <u>Stewart Contracting</u>	<u>No</u>	<u><1%</u>
	Address: <u>P.O. Box 402</u>		
	<u>Richmond, KY 40476</u>		
3. <u>Asphalt</u>	Name: <u>ATS Construction</u>	<u>No</u>	<u>2.3% +/-</u>
	Address: <u>3009 Atkinson Ave, Suite 400</u>		
	<u>Lexington, KY 40509</u>		
4. _____	Name: _____	_____	_____
	Address: _____		

5. _____	Name: _____	_____	_____
	Address: _____		

6. _____	Name: _____	_____	_____
	Address: _____		

** Such as: Grading, bituminous paving, concrete, seeding and protection, construction staking, etc.

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

I hereby swear (or affirm) under the penalty for false swearing:

- A. That I am the Bidder (if the Bidder is an individual), a partner of 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);
- B. That the attached Bid has been arrived at by the Bidder independently, and has 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 Advertisement for Bid, designed to limit independent bidding or competition;
- C. 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;
- D. That the Bidder is legally entitled to enter into the contracts with the Lexington-Fayette Urban County Government, and is not in violation of any prohibited conflict of interest;
- E. (Applicable to corporation only) That as a foreign corporation, we are registered with the Secretary of State, Commonwealth of Kentucky, and authorized to do business in the State KY or, that as a domestic corporation, we are in good standing with the Secretary of State, Commonwealth of Kentucky √ . [Check the statement applicable.]
- F. This offer is for ninety (90) calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that, upon proper acceptance by the Lexington-Fayette Urban County Government of any or all items Bid above, an Agreement shall thereby be created with respect to the items accepted.
- G. That I have fully informed myself regarding the accuracy of the statements made in this statement.
- H. That I certify that Subcontractors have not and will not be awarded to any firm(s) that have been debarred from noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 As Amended, Executive Order 11246 As Amended or any other Federal Law.

<u> Freddie Conn </u>		<u> Vice President </u>
Company Connhurst, LLC 	Date 10/27/22 	Representative

1.09 TUNNELING CONTRACTOR QUALIFICATIONS

Tunneling Company Name:	
Kentucky Contractor's License Number:	

This Tunneling Contractor Qualifications is required to be completed for each Tunneling Contractor and included with the Bidder's Bid for the Project. To be considered for award of the Contract, Bidder shall provide all information that is requested in Attachment A. If all information is not provided, the Bid will be deemed non-responsive.

Time (in years) that organization has been doing business under present name	
Name of designated Project Manager	
Name of designated Field Superintendent	
Number of Regular Employees of the Organization	

In addition to completing the above form, the Contractor shall provide, as attachments, the following items:

- Resume of designated Project Manager.
- Resume of designated Field Superintendent.
- Company's existing work commitments.

1.09 TUNNELING CONTRACTOR QUALIFICATIONS

Tunneling Company Name:	Capitol Tunneling Inc.
Kentucky Contractor's License Number:	N/A

This Tunneling Contractor Qualifications is required to be completed for each Tunneling Contractor and included with the Bidder's Bid for the Project. To be considered for award of the Contract, Bidder shall provide all information that is requested in Attachment A. If all information is not provided, the Bid will be deemed non-responsive.

Time (in years) that organization has been doing business under present name	51 Years
Name of designated Project Manager	Kyle Lucus
Name of designated Field Superintendent	Mark Pennington
Number of Regular Employees of the Organization	45

In addition to completing the above form, the Contractor shall provide, as attachments, the following items:

- Resume of designated Project Manager. [See Attached](#)
- Resume of designated Field Superintendent. [See Attached](#)
- Company's existing work commitments. [See Attached](#)

E. Kyle Lucus
2216 Refugee Road
Columbus, Ohio 43207
(614) 444-0255 Phone
(614) 444-4094 Fax

Current Job Title:

- President / CEO

Construction Operations Education / Training:

- BSCE – University of Kentucky, May 1996
- E.I.T. Certification – April 20, 1996
- OSHA 10 Hour Certification
- OSHA 30 Hour Certification
- OSHA Subpart P-Excavation & Trench Competent Person Training
- Confined Space Trained
- CPR / First Aid Trained
- Licensed Blaster
- RWT
- FDOT Safety Compliant
- CDL Holder

Employment History:

- 1986 – 1994 : Tunnel Laborer
- 1995 – 1996 : Project Labor Foreman
- 1996 – 1998 : Project Manager/Estimator
- 1998 – 2000: Vice President of Engineering
- 2000 – 2005: Vice President / CEO
- 2005 – Present: President / CEO

Current Responsibilities:

- Direct supervision of Project Superintendents, Labor Foreman, and Management personnel
- Responsible for procuring and maintaining manpower and equipment to complete work
- Responsible for pre-bid site investigations, producing accurate cost estimates, completing bid packages and submitting of bids
- Responsible for contract compliance, submittals, project engineering and design, correspondence with Owner/Engineer/Client
- Responsible for monitoring and updating Project schedules
- Responsible for compliance with regulatory agencies such as OSHA, Workmans' Compensation, Unemployment, EPA
- Responsible for enforcement of Company Policies and Procedures including but not limited to: Safety, EEO, Union Compliance and Environmental issues.
- Responsible for the day to day operations required to manage multiple working crews in a 15 state area

Mark Pennington

2216 Refugee Road
Columbus, Ohio 43207
(614) 444-0255 Phone
(614) 444-4094 Fax

Current Job Title:

- Project Superintendent

Construction Operations Education / Training:

- OSHA 30 Hour Certification
- SKED Training
- Confined Space Trained
- CPR / First Aid Trained
- Trenching & Excavation Training
- Licensed Blaster
- Dangerous Ordinance License
- RWT Training

Employment History:

- 1984 – 1990: Tunnel Laborer
- 1990 – 1991: Project Labor Foreman / Blaster
- 1991 – Present: Project Superintendent

Current Responsibilities:

- Direct supervision of all employees working on the project.
- Responsible for procuring and maintaining manpower and equipment to complete work.
- Responsible for installation of tunnels & bores as required by Project Plans and Specifications.
- Responsible for maintaining project schedules.
- Accurate calculations of material quantities and scheduling of timely deliveries.
- Responsible for enforcement of company policies and procedures including but not limited to Safety, EEO, Union Compliance, and Environmental issues.
- Responsible for maintaining accurate job records including daily reports, time keeping, safety inspections, equipment records, and job site safety meetings.

Capitol Tunneling Existing work Commitments

Project Number	Customer	Project Name	Location of Project	Contract Amount	% Complete	Balance to Complete
21-B-104	Howell	Georgetown-Scott County South Sewer Extension	Georgetown, KY	\$1,199,914	95%	\$59,995.70
21-B-120	Jurgensen	ODOT SR 32 Interchange	Clermont County, OH	\$586,047	15%	\$498,140.31
21-B-127	Savko	Amrine Meadows	Marysville, OH	\$142,560	0%	\$142,560.00
21-B-128	George J. Igel & Co., Inc.	Rathmell Rd Widening-Saturn	Lockborne, OH	\$57,645	10%	\$51,880.50
21-B-129	Shelly & Sands	IR70/Brice RD ODOT 220200	Columbus, OH	\$672,504	75%	\$168,126.00
22-B-101	Howell Contractors	Vayview, Planeview & Murwood	Bevercreek, OH	\$603,200	0%	\$603,200.00
22-B-103	CSXT	Barr Yard No 41 Shanty Sewer	Riverdale, IL	\$630,960	10%	\$567,864.00
22-G-104	Seals Construction, Inc.	Hidden Chase	Grove City, OH	\$4,995	25%	\$3,746.25
22-B-105	Barrett Paving Materials, Inc.	MOT/IR 75- ODOT 220366	Moraine, OH	\$646,114	25%	\$484,585.87
22-B-107	Trucco Construction Co., Inc.	Warner Road Utility Extensions, Phase 1	Union County, OH	\$161,470	75%	\$40,367.50
22-B-108	Jurgenson	ODOT 220438	Hamilton County, OH	\$23,331	0%	\$23,331.00
22-B-110	DKM Construction, Inc.	Portsmouth Gaseous Diffusion Plant	Portsmouth, OH	\$192,500	0%	\$192,500.00
22-B-111	Beaver Excavating	Timken Steel	Canton, OH	\$235,600	0%	\$235,600.00
22-B-112	Miller Brothers	Etna North Phase 3	Pataskala, OH	\$66,625	0%	\$66,625.00
22-B-114	Complete General	Clover Valley Sanitary	New Albany, OH	\$846,450	0%	\$846,450.00
22-B-115	HM Miller Construction	Allen Ave SE Sanitary	Canton, OH	\$406,260	0%	\$406,260.00
22-B-116	Marucci & Gaffney	CSO #6 & 7 Separation	Steubenville, OH	\$377,570	0%	\$377,570.00
22-B-117	Beaver Excavating	Project Hunter-Waterline	Marengo, OH	\$30,300	0%	\$30,300.00
22-B-XXX	Confidential	Confidential	Confidential	\$36,125	0%	\$36,125.00
22-B-XXX	Confidential	Confidential	Confidential	\$56,225	0%	\$56,225.00
22-B-XXX	Confidential	Confidential	Confidential	\$436,500	0%	\$436,500.00
22-B-XXX	Confidential	Confidential	Confidential	\$198,645	0%	\$198,645.00
22-C-XXX	Confidential	Confidential	Confidential	\$135,000	0%	\$135,000.00
22-B-XXX	Confidential	Confidential	Confidential	\$216,360	0%	\$216,360.00
22-B-XXX	Confidential	Confidential	Confidential	\$185,250	0%	\$185,250.00
22-B-XXX	Confidential	Confidential	Confidential	\$135,000	0%	\$135,000.00
22-B-XXX	Confidential	Confidential	Confidential	\$126,000	0%	\$126,000.00

Note: Projects with pending contract signatures are listed above but have been kept confidential for security purposes to protect information from public records requests

Total Balance to complete \$6,324,207.12

1.10 TUNNELING CONTRACTOR QUALIFICATIONS – EXPERIENCE

This Tunneling Contractor’s Qualifications – Experience Information (Attachment B) is required to be completed and included with the Bidder’s Bid for the Project. To be considered for award of the Contract, Tunneling Contractor shall demonstrate it has experience performing similar work on other projects.

For **each** tunnel installation method that the Bidder is intending to use on the Project, the Tunneling Contractor shall complete the Project Experience Summary Table(s) outlining experience that the Tunneling Contractor has utilizing that specific tunnel installation method. The table shall be populated with Projects that the Tunneling Contractor completed within the past 10 years. The experience qualifications requirements shall meet the minimum requirements set forth in the specific tunnel specification section.

If the Bidder wishes to include more information than what is specified in the summary table, it may be included as an attachment to the end of Attachment B.

PROJECT EXPERIENCE SUMMARY TABLE

	Project 1	Project 2	Project 3
Project Name	See Attached	See Attached	See Attached
Tunnel Installation Method(s)			
Year(s) Project Occurred			
Owner			
Owner’s Phone Number			
Original & Final Contract Price			
Original & Final Contract Times (days)			
Carrier Pipe Material and Diameter			
Casing or Tunnel Lining Type and Diameter			
Carrier Pipe Grouted in Place (Y / N)			
Total Tunnel Length (feet) 2,000 LF (min.)			
Range of Tunnel Depth (feet)			
Rock Excavation Required (Y / N)			
Temporary or Permanent Shaft w/invert below groundwater table (Y / N)			

1.10 TUNNELING CONTRACTOR QUALIFICATIONS – EXPERIENCE

This Tunneling Contractor’s Qualifications – Experience Information (Attachment B) is required to be completed and included with the Bidder’s Bid for the Project. To be considered for award of the Contract, Tunneling Contractor shall demonstrate it has experience performing similar work on other projects.

For **each** tunnel installation method that the Bidder is intending to use on the Project, the Tunneling Contractor shall complete the Project Experience Summary Table(s) outlining experience that the Tunneling Contractor has utilizing that specific tunnel installation method. The table shall be populated with Projects that the Tunneling Contractor completed within the past 10 years. The experience qualifications requirements shall meet the minimum requirements set forth in the specific tunnel specification section.

If the Bidder wishes to include more information that what is specified in the summary table, it may be included as an attachment to the end of Attachment B.

PROJECT EXPERIENCE SUMMARY TABLE

	Project 1	Project 2	Project 3
Project Name			
Tunnel Installation Method(s)			
Year(s) Project Occurred			
Owner			
Owner’s Phone Number			
Original & Final Contract Price			
Original & Final Contract Times (days)			
Carrier Pipe Material and Diameter			
Casing or Tunnel Lining Type and Diameter			
Carrier Pipe Grouted in Place (Y / N)			
Total Tunnel Length (feet) 2,000 LF (min.)			
Range of Tunnel Depth (feet)			
Rock Excavation Required (Y / N)			
Temporary or Permanent Shaft w/invert below groundwater table (Y / N)			

1.09 EQUAL OPPORTUNITY AGREEMENT

The Law

- * Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- * Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and subcontractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- * Section 503 of the Rehabilitation Act of 1973 States:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- * Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal Contracts.
- * Section 206 (A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors, and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause an Agreement to be canceled and the contractor may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped, and aged persons.



Signature

Connhurst, LLC

Name of Business

The Entity (regardless of whether construction Contractor, non-construction Contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.

The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*
- (3) The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

In the case of an Agreement exceeding \$250,000, the Contractor will be required within seven (7) days following the Bid Opening to furnish evidence that its work-force in Kentucky is representative of the available work-force in the area from which it draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the Contract.

1.10 LFUCG MWDBE PARTICIPATION FORM

LFUCG Bid/RFP/Quote Reference No. 115-2022



The MWDBE and/or Veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the Work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately.

MWDBE Company, Name, Address, Phone, Email	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
Geco Enterprises P O BOX 463 London, KY 40743 (606)864-7550 gigibacon@windstream.net	Material Supplier	\$900,000.00 to \$1,000,000.00	10%
Jackson Group 3945 Simpson Lane Richmond Kentucky 40475 (859) 623-0499 jjackson@jacksongroupco.com	Material Supplys Erosion Control Saw Cutting	≈\$250,000.00	3%

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the Contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Connhurst, LLC
Company

Greddie R Conn
Company Representative

October 27, 2022
Date

Vice President
Title

1.11 LFUCG MWDBE SUBSTITUTION FORM



LFUCG Bid/RFP/Quote Reference No. 115-2022

The substituted MWDBE and/or Veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project.

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract

The undersigned acknowledges that any misrepresentation may result in termination of the Contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Connhurst, LLC
Company

Judd R Conn
Company Representative

October 27, 2022
Date

Vice President
Title

1.12 MWDBE QUOTE SUMMARY FORM

LFUCG Bid/RFP/Quote Reference No. 115-2022



The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project.

Company Name Connhurst, LLC	Contact Person Freddie Conn
Address/Phone/Email 879 Wilson Run Road Wallingford KY 41093 connhurst@hotmail.com	Bid Package / Bid Date Bid: 115-2022 @ 10/27/22

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event, etc)	Total dollars (\$) Do Not Leave Blank (Attach Documentation)	DBE * AA HA AS NA Female	Veteran
Geco Enterprises P O BOX 463 London, KY 40743	Gigi Bacon Victor Bacon	(606)864-7550 gigibacon@windstream.net	10/26/26	Material Supplier	email	\$900,000 - \$1,000,000.00	DBE	
Jackson Group 3945 Simpson Lane Richmond KY 40475	Jeremy Jackson	(859) 623-0499 jjackson@jackso ngroupco.com	10/26/26	Material Supplys Erosion Control Saw Cutting	phone	\$250,000.00		X

*(DBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the Contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Connhurst, LLC
Company


Company Representative

October 27, 2022
Date

Vice President
Title



Gigi Bacon, President

GECO Enterprise, Inc.
 MBE Certified Contractor & Material Supplier
 P O Box 463
 London, KY 40743-0463
 Phone(606)864-7550, Fax(606)864-6390
 Mobile(606)682-2210
 Email: gigibacon@windstream.net

QUOTE 2022-158

LFUCG - WEST HICKMAN TRUNK SEWER

OCTOBER 26, 2022

We are pleased to quote the following prices for the above referenced project as a Certified DBE/MBE Material Supplier/
 Subcontractor/Minority Business.

QTY	UM	DESCRIPTION	PRICE EA	EXT PRICE
EROSION CONTROL (AS NEEDED)				
1	RL	12-1/2X360 FT N080 N/WOV 500 SY - CLASS 1	\$ 557.4154	\$ 557.42
1	RL	15X300 FT N070 N/WOV 500 SY - CLASS 2	\$ 484.7077	\$ 484.71
1	RL	4X100 FT ORAN LD SAF FNC	\$ 25.7500	\$ 25.75
1	RL	8X112-1/2 FT DBL NET STRAW	\$ 29.0872	\$ 29.09
1	BX	6X1X6 STAPLE 11 GA 1000 PER BX - 1 Box/10 Rolls	\$ 36.7092	\$ 36.71
1	RL	Temp Silt Fence 36 x 100 roll 6ft on center stakes	\$ 38.4087	\$ 38.41
1	EA	50 Lowboy BAG Speed CRETE Red LINE	\$ 37.3890	\$ 37.39
1	EA	GEOTEX SAND BAG 40 LB FILLED Type C Silt Trap Bag 18 x 30 Non woven bag 24 Bags needed per Inlet	\$ 2.4205	\$ 2.42
1	EA	SEDIBAG 2X2 HIGH FLOW Alternate to Dandy Bag name brand.	\$ 9.3833	\$ 9.38
Erosion Control (As Needed):				\$ 1,221.27
9-10. PVC SDR35 Gravity Serv. Lateral Inserta-Tee Connections for Sanitite Pipe ONLY				
16	EA	6 SDR26 X 48 HP INSERTA TEE	\$ 157.0544	\$ 2,512.87
17	EA	6 SDR26 X 42 HP INSERTA TEE	\$ 157.0544	\$ 2,669.92
45	EA	6 SDR26 X 36 HP INSERTA TEE	\$ 157.0544	\$ 7,067.45
20	EA	6 SDR26 X 30 HP INSERTA TEE	\$ 157.0544	\$ 3,141.09
1	EA	4 SDR26 X 30 HP INSERTA TEE	\$ 128.6264	\$ 128.63
1	EA	4-3/8" Saw for HP Pipe	\$ 347.1718	\$ 347.17
5	EA	6-3/8" Saw for HP Pipe	\$ 486.0364	\$ 2,430.18
Inserta-Tee Connections for Sanitite Pipe ONLY:				\$ 18,297.31
Connection & Piping				
1428	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$ 8,545.58
102	EA	6 Cast Iron PVC X 6 Cast Iron PVC Coupling	\$ 13.3488	\$ 1,361.58
Connection & Piping:				\$ 9,907.16
New Cleanouts				
102	EA	6 PVC Sewer Gasket 2 WAY Cleanout Tee	\$ 330.1253	\$ 33,672.78
714	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$ 4,272.79
102	EA	6 PVC SWR HUB FEM CO ADPT SDR35	\$ 32.4965	\$ 3,314.64
102	EA	6 PVC SWR REC THRD CO PLUG SDR35	\$ 24.8127	\$ 2,530.90
102	EA	6 Cast Iron Cleanout Box	\$ 65.5492	\$ 6,686.02
New Cleanouts:				\$ 50,477.13
9-10. PVC SDR35 Gravity Serv. Lateral:				
\$78,681.60				
11. PVC SDR35 Gravity Serv. Lateral (Direct Conn. to MH)				
84	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$ 502.68
6	EA	6 Cast Iron PVC X 6 Cast Iron PVC Coupling	\$ 13.3488	\$ 80.09
6	EA	6 KOR-N-SEAL Manhole Adapter 6.25-7.50	\$ 72.9858	\$ 437.91
Connection & Piping:				\$ 1,020.69

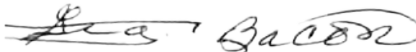
		New Cleanouts			
6	EA	6 PVC Sewer Gasket 2 WAY Cleanout Tee	\$ 330.1253	\$	1,980.75
42	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$	251.34
6	EA	6 PVC SWR HUB FEM CO ADPT SDR35	\$ 32.4965	\$	194.98
6	EA	6 PVC SWR REC THRD CO PLUG SDR35	\$ 24.8127	\$	148.88
6	EA	6 Cast Iron Cleanout Box	\$ 65.5492	\$	393.30
		New Cleanouts			\$ 2,969.24
		11. PVC SDR35 Gravity Serv. Lateral (Direct Conn. to MH):			\$ 3,989.93
		12. 10" Gravity Sewer (0' to 6.0' depth)			
56	FT	10 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 16.9126	\$	947.11
		12. 10" Gravity Sewer (0' to 6.0' depth)			\$ 947.11
		13. 15" Gravity Sewer (6.1' to 10.0' depth)			
126	FT	15X14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 35.9161	\$	4,525.43
		13. 15" Gravity Sewer (6.1' to 10.0' depth)			\$ 4,525.43
		14-16. 16" Gravity Sew. Pipe (DIP, Creek Crossing)			
224	FT	16 Ductile Iron CL250 P-401 TYTON Joint Pipe	\$ 124.5373	\$	27,896.36
2	EA	37 X 200 8 MIL POLYWRAP Blue SOLID (16"-18")	\$ 147.3518	\$	294.70
8	EA	2 X 100 10 MIL Pipe WRAP Yellow	\$ 7.0864	\$	56.69
		14-16. 16" Gravity Sew. Pipe (DIP, Creek Crossing)			\$ 28,247.75
		17-18. 24" Grav. Sewer Pipe PVC 6.1'-15.0' depth			
224	FT	24 X 14 F679 PS46 PVC Gasket Joint Sewer Pipe	\$ 106.3269	\$	23,817.23
		DI OPTION: 24 IN CL200 P-401 - \$199.45/ft			
1	EA	2 X 1000 Underground Detectable Sewer Green	\$ 28.4074	\$	28.41
		17-18. 24" Grav. Sewer Pipe PVC 6.1'-15.0' depth:			\$ 23,845.63
		19. 24" Grav. Sewer Pipe PVC 15.1' to 20.0' depth			
70	FT	24 X 14 F679 PS115 HW PVC Gasket Joint Sewer Pipe	\$ 141.1203	\$	9,878.42
		DI OPTION: 24" CL250 P-401 - \$214.11/ft			
		19. 24" Grav. Sewer Pipe PVC 15.1' to 20.0' depth			\$ 9,878.42
		20. 24" Gravity Sew. Pipe (DIP, Creek Crossing)			
54	FT	24 Ductile Iron CL200 P-401 TYTON Joint Pipe	\$ 199.4492	\$	10,770.26
1	EA	54" x 200'/22' x .008 Blue Polywrap (20"-24")	\$ 215.1670	\$	215.17
4	EA	2 X 100 10 MIL Pipe WRAP Yellow	\$ 7.0864	\$	28.35
		20. 24" Gravity Sew. Pipe (DIP, Creek Crossing):			\$ 11,013.77
		21-23. 30" Gravity Sewer Sanitite PP Option			
3180	FT	30" Sanitite HP Pipe (PP)	\$ 125.1141	\$	397,862.84
		PVC OPTION: (6'0-15'0 Bury) 30" SDR35 = \$181.53/ft			
		PVC OPTION: (15'0-20'0) 30" SDR26 HW = \$246.58/ft			
		DI OPTION: (6'0-10'0) 30" CL150 P-401 = \$297.99/ft			
		DI OPTION: (10'1-15'0) 30" CL200 P-401 = \$297.99/ft			
		DI OPTION: (15'1-20'0) 30" CL250 P-401 = \$335.72/ft			
		21-23. 30" Gravity Sewer Sanitite PP Option			\$ 397,862.84
		24-26. 36" Gravity Sewer Sanitite PP Option			
1880	FT	36" Sanitite HP Pipe (PP)	\$ 173.3490	\$	325,896.12
		PVC OPTION: (6'0-15'0 Bury) 36" SDR35 = \$269.28/ft			
		PVC OPTION: (15'0-20'0) 36" SDR26 HW = \$347.89/ft			
		DI OPTION: (6'0-10'0) 36" CL150 P-401 = \$374.35/ft			
		DI OPTION: (10'1-15'0) 36" CL200 P-401 = \$374.35/ft			
		DI OPTION: (15'1-20'0) 36" CL250 P-401 = \$433.19/ft			
		24-26. 36" Gravity Sewer Sanitite PP Option:			\$ 325,896.12
		27. 42" Gravity Sewer Pipe Sanitite PP Option			
860	FT	42" Sanitite HP Pipe (PP)	\$ 210.2333	\$	180,800.64
		PVC OPTION: (10'1-15'0 Bury) 42" SDR35 = \$426.09/ft			
		27. 42" Gravity Sewer Pipe Sanitite PP Option:			\$ 180,800.64
		28-29. 48" Gravity Sewer Sanitite PP Option			
720	FT	48" Sanitite HP Pipe (PP)	\$ 294.5800	\$	212,097.60
		PVC OPTION: (6'0-15'0 Bury) 48" SDR35 = \$556.85/ft			
		PVC OPTION: (15'0-20'0) 48" SDR26 HW = \$736.90/ft			
		28-29. 48" Gravity Sewer Sanitite PP Option			\$ 212,097.60

		30. Tunnel Line Assembly			
305	C	48 X .500 Steel CASING Pipe	#####	\$	75,256.38
		- Unable to locate thickness spec. Casing needs approval.			
		- 48" OD x .500" Nom. New Trinity Lo-profile Spiral Weld Steel Pipe,			
		Domestic, meets Y, T and E of A139-B (waive Hydro) *2 Truck Loads*			
		Pricing if differnt thickness is Required:			
		- 48" OD x .625" Nom. New Trinity Lo-profile Spiral Weld Steel Pipe,			
		Domestic, meets Y, T and E of A139-B (waive Hydro) *3 Truck Loads*			
		\$314.85/ft x 305' = \$96029.37			
		- 48" OD x .750" Nom. New Trinity Lo-profile Spiral Weld Steel Pipe,			
		Domestic, meets Y, T and E of A139-B (waive Hydro) *3 truck loads*			
		\$399.13/ft x 305' = \$121,733.13			
2	EA	Cost per Truck Load to Nicholasville, KY for 48"x.500 Casing	\$ 1,751.0000	\$	3,502.00
		- If casing changes to 48"x.625 or 48"x.750, it will need (3) three truck loads.			
308	FT	30 X 14 F679 PS46 PVC Gasket Joint Sewer Pipe	\$ 176.2433	\$	54,282.94
44	EA	30" x 48" SS Casing Spacer	\$ 267.9854	\$	11,791.36
		30. Tunnel Line Assembly:			\$ 144,832.67
		33. Standard Manhole, 4-foot Dia., 6' to 6.0' depth			
5	EA	4ft Dia. Manhole - Sewer	\$ -	\$	-
5	EA	1140 MH F&C CITY OF LEX SAN SWR	\$ 333.5758	\$	1,667.88
		33. Standard Manhole, 4-foot Dia., 6' to 6.0' depth			\$ 1,667.88
		35. Drop Manhole, 4-foot Dia., 0' to 6.0' depth (8" VCP)			
		Manhole & Castings			
1	EA	4ft Dia. Manhole - Sewer	\$ -	\$	-
1	EA	1140 MH F&C CITY OF LEX SAN SWR	\$ 333.5758	\$	333.58
		Manhole & Castings:			\$ 333.58
		8" Drop Assembly			
1	EA	8 Cast Iron PVC X 8 Cast Iron PVC Coupling	\$ 20.7854	\$	20.79
1	EA	8 PVC Sewer Gasket X Gasket X Gasket Tee	\$ 110.4057	\$	110.41
14	FT	8 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 10.8871	\$	152.42
1	EA	8 PVC Sewer Gasket X Gasket 90 BEND	\$ 91.7627	\$	91.76
2	EA	8 Kor-N-Seal Manhole BOOT Adapter 7.00-8.50	\$ 89.4864	\$	178.97
		8" Drop Assembly:			\$ 554.35
		35. Drop Manhole, 4-foot Dia., 0' to 6.0' depth (8" VCP):			\$ 887.92
		37. Standard Manhole, 5-foot Dia., 6' to 6.0' depth			
9	EA	5ft Dia. Manhole - Sewer	\$ -	\$	-
9	EA	1140 MH F&C CITY OF LEX SAN SWR	\$ 333.5758	\$	3,002.18
		37. Standard Manhole, 5-foot Dia., 6' to 6.0' depth:			\$ 3,002.18
		39. Drop Manhole, 4-foot Dia., 0' to 6.0' depth (8" VCP)			
		Manhole & Castings			
2	EA	5ft Dia. Manhole - Sewer	\$ -	\$	-
2	EA	1140 MH F&C CITY OF LEX SAN SWR	\$ 333.5758	\$	667.15
		Manhole & Castings			\$ 667.15
		8" Drop Assembly			
2	EA	8 Cast Iron PVC X 8 Cast Iron PVC Coupling	\$ 20.7854	\$	41.57
2	EA	8 PVC Sewer Gasket X Gasket X Gasket Tee	\$ 110.4057	\$	220.81
28	FT	8 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 10.8871	\$	304.84
2	EA	8 PVC Sewer Gasket X Gasket 90 BEND	\$ 91.7627	\$	183.53
4	EA	8 Kor-N-Seal Manhole BOOT Adapter 7.00-8.50	\$ 89.4864	\$	357.95
		8" Drop Assembly:			\$ 1,108.69
		39. Drop Manhole, 4-foot Dia., 0' to 6.0' depth (8" VCP):			\$ 1,775.84
		41. Standard Manhole, 6-foot Dia., 6' to 6.0' depth			
14	EA	6ft Dia. Manhole - Sewer	\$ -	\$	-
14	EA	1140 MH F&C CITY OF LEX SAN SWR	\$ 333.5758	\$	4,670.06

		41. Standard Manhole, 6-foot Dia., 6' to 6.0' depth:			\$	4,670.06
		42. Drop Manhole, 6-foot Dia., 0' to 6.0' depth (8" & 12" VCP)				
		Manhole & Castings				
5	EA	6ft Dia. Manhole - Sewer	\$	-	\$	-
5	EA	1140 MH F&C CITY OF LEX SAN SWR	\$	333.5758	\$	1,667.88
		Manhole & Castings:			\$	1,667.88
		8" Drop Assembly				
4	EA	8 Cast Iron PVC X 8 Cast Iron PVC Coupling	\$	20.7854	\$	83.14
4	EA	8 PVC Sewer Gasket X Gasket X Gasket Tee	\$	110.4057	\$	441.62
56	FT	8 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$	10.8871	\$	609.68
4	EA	8 PVC Sewer Gasket X Gasket 90 BEND	\$	91.7627	\$	367.05
8	EA	8 Kor-N-Seal Manhole BOOT Adapter 7.00-8.50	\$	89.4864	\$	715.89
		8" Drop Assembly:			\$	2,217.38
		12" Drop Assembly				
1	EA	12 Cast Iron PVC X 12 Cast Iron PVC Coupling	\$	36.4002	\$	36.40
1	EA	12 PVC Sewer Gasket X Gasket X Gasket Tee	\$	579.8694	\$	579.87
14	FT	12 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$	24.3389	\$	340.74
1	EA	12 PVC Sewer Gasket X Gasket 90 BEND	\$	399.4855	\$	399.49
2	EA	12 KOR N SEAL M/H CNTR 11.25-13.00	\$	173.3078	\$	346.62
		12" Drop Assembly:			\$	1,703.12
		42. Drop Manhole, 6-foot Dia., 0' to 6.0' depth (8" & 12" VCP):				\$ 5,588.38
		45. Standard Manhole, 8-foot Dia., 6' to 6.0' depth				
3	EA	8ft Dia. Manhole - Sewer	\$	-	\$	-
3	EA	1140 MH F&C CITY OF LEX SAN SWR	\$	333.5758	\$	1,000.73
		45. Standard Manhole, 8-foot Dia., 6' to 6.0' depth:			\$	1,000.73
		ALT. Inside Drop Assemblies				
3	EA	8 F/GLS DROP BOWL "B"Drop Bowl -- 8" outlet for 4' - 5' manhole 1 - 8" Drop with Sch. 40 PVC pipe (Inside a 4'0 Dia. MH) 2 - 8" Drop w/ S40 (Inside a 5'0 Dia. MH)	\$	242.6062	\$	727.82
4	EA	B Drop Bowl - 8" outlet for 6' - 8' manhole 4 - 8" Drop w/ S40 (6'0 Dia. MH)	\$	268.1605	\$	1,072.64
14	EA	8 Stainless Steel 304 Adjustable CLMP Bracket For Schedule 40 304 SS Pipe Bracket for 8" Pipe. Fits Schedule 40, C900, C100, DN300 approximate range 8.56" - 9.10"	\$	88.0753	\$	1,233.05
80	C	8 X 20 FT PVC Schedule 40 BE Pipe	\$	1,793.4154	\$	1,434.73
1	EA	12 F/GLS DROP BOWL 1 - 12" Drop W/ S40 (6'0 Dia. MH) Drop Bowl 24" Bowl, 12" for 4', 6' outletmanhole - requires 6 3/8" x 1" anchor bolts	\$	542.6864	\$	542.69
2	EA	304 SS Pipe Bracket for 12" Pipe 304 SS Pipe Bracket for 12" Pipe. Fits Sch40 13.2 OD, DN300 approximate range 12.60" - 13.00"	\$	125.2377	\$	250.48
20	C	12 X 20 FT PVC Schedule 40 BE Pipe	\$	3,344.4718	\$	668.89
66	EA	Concrete ANCR ASSY Anchor Assemblies: Each contains 1 304SS bolt, 1 304SS washer and 1 tamp-in lead expansion anchor.	\$	2.8016	\$	184.91
		ALT. Inside Drop Assemblies			\$	6,115.20
		48. Reconnet Ex. 8inch grav. Sewer to New Manhole				
10	EA	8in Kor-N-Seal Boot for VCP 9.75in OD (12in Hole)	\$	96.9127	\$	969.13
2	EA	8.25-9.75 KOR N SEAL M/H Center for DI/CI pipe	\$	106.3166	\$	212.63
3	EA	8in Kor-N-Seal Boot for PVC 9.75in OD (12in Hole)	\$	96.9127	\$	290.74
		48. Reconnet Ex. 8inch grav. Sewer to New Manhole			\$	1,472.50
		49. Reconnet Ex. 10inch grav. Sewer to New Manhole:				
2	EA	10 Manhole BOOT Adapter 9.50-11.25 fpr PVC	\$	132.4992	\$	265.00
3	EA	10in Kor-N-Seal Boot for VCP 12in OD (16in Hole)	\$	132.4992	\$	397.50
		49. Reconnet Ex. 10inch grav. Sewer to New Manhole			\$	662.50
		50. Reconnet Ex. 12inch grav. Sewer to New Manhole				
1	EA	12in KOR N SEAL Boot for VCP 14.321in OD (20in Hole)	\$	173.3078	\$	173.31
		50. Reconnet Ex. 12inch grav. Sewer to New Manhole:			\$	173.31

		51. Reconnet Ex. 15inch grav. Sewer to New Manhole			
1	EA	15 KOR-N-SEAL Manhole Connector for VCP 17.812in OD (20in H	\$ 173.3078	\$	173.31
		Reconnet Ex. 15inch grav. Sewer to New Manhole:			\$ 173.31
		52. Reconnet Ex. 24inch grav. Sewer to New Manhole			
1	EA	24in Kor-N-Seal Boot for VCP 28.50in OD (32in Hole)	\$ 520.4693	\$	520.47
		52. Reconnet Ex. 24inch grav. Sewer to New Manhole:			\$ 520.47
		53. Reconnet Ex. 48inch grav. Sewer to New Manhole			
1	EA	48 KOR-N-SEAL Boot for RCP B-wall with 58in OD	\$ 1,601.6294	\$	1,601.63
		- (S206-62L) 62in Hole with a minimum Manhole if not 48/5 = 108/10			
		- Another option is S306-64, C-Wall w/ 59.5" OD 120-10 priced			
		\$1,762.74ea			
		53. Reconnet Ex. 48inch grav. Sewer to New Manhole:			\$ 1,601.63
		54. Cut & Cap Ex. 8inch Sewer (VCP)			
2	EA	8 QUICK Cap - 9.75	\$ 52.0253	\$	104.05
		54. Cut & Cap Ex. 8inch Sewer (VCP)			\$ 104.05
		55. Cut & Cap Ex. 24inch Sewer (VCP)			
2	EA	24 LD Cap - 25.50	\$ 344.5453	\$	689.09
		55. Cut & Cap Ex. 24inch Sewer (VCP):			\$ 689.09
		81. Install Cleanout, Extra as Directed by Engineer			
10	EA	6 PVC Sewer Gasket 2 WAY Cleanout Tee	\$ 330.1253	\$	3,301.25
70	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$	418.90
10	EA	6 PVC SWR HUB FEM CO ADPT SDR35	\$ 32.4965	\$	324.97
10	EA	6 PVC SWR REC THRD CO PLUG SDR35	\$ 24.8127	\$	248.13
10	EA	6 Cast Iron Cleanout Box	\$ 65.5492	\$	655.49
		Install Cleanout, Extra as Directed by Engineer:			\$ 4,948.74
		82. PVC SDR35 Grav. Sewer Lat. (In Pavement), Extra as Directed			
100	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$	598.43
		82. PVC SDR35 Grav. Sewer Lat. (In Pavement), Extra as Directed:			\$ 598.43
		83. PVC SDR35 Grav. Sewer Lat. (Not In Pave.), Extra as Directed			
100	FT	6 X 14 SDR35 PVC Gasket Joint Sewer Pipe	\$ 5.9843	\$	598.43
		83. PVC SDR35 Grav. Sewer Lat. (Not In Pave.), Extra as Directed:			\$ 598.43
		SUBTOTAL		\$	1,460,091.42
		6% SALES TAX		\$	87,605.49
		TOTAL QUOTE		\$	1,547,696.91

THANK YOU AND GOOD LUCK -



DO YOU KOW THAT BY USING GECCO ENTERPRISES AS YOUR MATERIAL SUPPLIER YOU CAN SATISFY YOU MINORITY PARTICPATION GOALS!

MBE CERTIFIED

AN EQUAL OPPORTUNITY EMPLOYER

1.13 LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

LFUCG Bid/RFP/Quote No. 115-2022



The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE vendors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street / Room 338 / Lexington, KY 40507.

Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From:	To:
Company Name:	Address:	
Federal Tax ID:	Contact Person:	

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the Contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Connhurst, LLC
Company

Company Representative

October 27, 2022
Date

Vice President
Title

1.14 LFUCG STATEMENT OF GOOD FAITH EFFORTS

LFUCG Bid/RFP/Quote No. 115-2022



By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBEs and/or Veterans on the project and can supply the appropriate documentation.

- _____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms to participate.
- _____ Included documentation of advertising in the above publications with the bidders good faith efforts package
- _____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event
- _____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs of subcontracting opportunities
- _____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms
- _____ Requested a list of MWDBE subcontractors or suppliers from LFUCG Economic Engine and showed evidence of contacting the companies on the list(s).
- _____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.
- _____ Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
- _____ Followed up initial solicitations by contacting MWDBEs to determine their level of interest.
- _____ Provided the interested MWDBE firm with adequate and timely information about the plans, specifications, and requirements of the contract.
- _____ Selected portions of the work to be performed by MWDBE firms in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE participation, even when the prime contractor may otherwise perform these work items with its own workforce
- _____ Negotiated in good faith with interested MWDBE firms not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.
- _____ Included documentation of quotations received from interested MWDBE firms which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.
- _____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its

own forces will not be considered a sound reason for rejecting a MWDBE quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE goals.

- _____ Made an effort to offer assistance to or refer interested MWDBE firms to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal
- _____ Made efforts to expand the search for MWBE firms beyond the usual geographic boundaries.
- _____ Other - any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE participation.

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. Documentation of Good Faith Efforts are to be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Connhurst, LLC

Company

Company Representative

October 27, 2022

Date

Vice President

Title

Name of Organization: Connhurst, LLC

Categories	Total	White (not Hispanic or Latino)		Hispanic or Latino		Black or African-American (not Hispanic or Latino)		Native Hawaiian and other Pacific Islander (not Hispanic or Latino)		Asian (not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators	1	1															
Professionals																	
Superintendents	4	4															
Supervisors																	
Foremen	3	3															
Technicians																	
Protective Service																	
Para-Professionals																	
Office/Clerical	1	1															
Skilled Craft	17	17															
Service/Maintenance	1	1															
Total	27	27															

Prepared By: Freddie Conn

Date 10 / 27 / 22

Name of Organization: Connhurst, LLC.

Categories	Total	White (not Hispanic or Latino)		Hispanic or Latino		Black or African-American (not Hispanic or Latino)		Native Hawaiian and other Pacific Islander (not Hispanic or Latino)		Asian (not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators	1	1															
Professionals																	
Superintendents	4	4															
Supervisors																	
Foremen	3	3															
Technicians																	
Protective Service																	
Para-Professionals																	
Office/Clerical	1	1															
Skilled Craft	17	17															
Service/Maintenance	1	1															
Total	27	27															

Prepared By: *Andrew R. Carr*

Date 10/27/22

RMP Specifications


Woodford

Names Insured: ConnHurst, LLC
 Address: 3534 State Highway 1626, Olive Hill, KY 41164
 Project to be insured: West Hickman Trunk E Sewer Improvements

In lieu of obtaining certificates of insurance at this time, the undersigned agrees to provide the above Named Insured with the minimum coverage listed below. These are outlined in the Insurance and Risk Management of Section 00600 - Bonds and Certifications, including all requirements, and conditions:

Article Items	Coverage	Minimum Limits and Policy Requirements	Limits Provided to Insured	Name of Insurer	A.M. Best's	
					Code	Rating
1.05.D.1	CGL	\$1,000,000/per occ., \$2,000,000/aggregate or \$2,000,000 combined single limit Requirements (a) through (e)	\$1,000,000/per occ., \$2,000,000/aggregate	National American Insurance Company	23663	A
1.05.D.1	Auto	Combined single \$1,000,000/per occ. aggregate Requirements (a) through (c)	Combined single \$1,000,000/per occ.	National American Insurance Company	23663	A
1.05.D.1	WC	\$ _____ Statutory	Statutory	KY AGC		A-
1.05.D.1	Employer's Liability	\$500,000	\$4,500,000	KY AGC		A-

Section 00600 includes required provisions, statements regarding insurance requirements, and the undersigned agrees to abide by all provisions for the coverage's checked above unless stated otherwise when submitting

Peoples Insurance Agency, LLC	Thomas H. Bottoms, Jr.
Agency or Brokerage	Name of Authorized Representative
101 5th Avenue	Account Executive
Street Address	Title
Huntington, WV 25701	
City	Authorized Signature
304-522-6555	10-24-2022
Telephone Number	Date

NOTE: Authorized signatures may be the agent's if agent has placed insurance through an agency agreement with the insurer. If insurance is brokered, authorized signature must be that of authorized representative of insurer.

IMPORTANT: CONTRACT MAY NOT BE AWARDED IF A COMPLETED AND SIGNED COPY OF THIS FORM FOR ALL COVERAGES LISTED ABOVE IS NOT PROVIDED.

1.18 DEBARRED FIRMS

PROJECT NAME: West Hickman Trunk E Sewer Improvements

LFUCG BID NO.: 115-2022

**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
LEXINGTON, KY**

All prime Contractors shall certify that Subcontractors have not and will not be awarded to any firms that has been debarred for noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 As Amended, Executive Order 11246 As Amended or any other Federal Law.

All Bidders shall complete the Debarment Certification in duplicate and submit both copies to the Owner with the Bid Form. The Owner (grantee) shall transmit one copy to the Lexington-Fayette Urban County Government, Division of Community Development within fourteen (14) days after Bid opening.

The undersigned hereby certifies that the firm of Connhurst, LLC has not and will not award a subcontract, in connection with any Agreement award to it as the result of this bid, to any firm that has been debarred for noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964, Executive Order 11246 As Amended or any Federal Law.

Connhurst, LLC

Name of Firm Submitting Bid



Signature of Authorized Official

Vice President

Title

October 27, 2022

Date

1.20 CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty for not less than \$10,000 and not more than \$100,000 for each such failure.

Freddie R. Conn

Typed Name & Title of Authorized Representative



Signature of Authorized Representative

October 27, 2022

Date

_____ I am unable to certify to the above statements. My explanation is attached.

1.21 BID BOND

BID BOND

Bond Number: _____

KNOW ALL MEN BY THESE PRESENTS, that we ConnHurst, LLC, 3534 State Highway 1626, Olive Hill, KY 41164

as principal (the "Principal") and Old Republic Insurance Company, 300 E. Business Way, Suite 200, Cincinnati, OH 45241

hereinto called Surety, are held and firmly bound unto

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 East Main Street, Third Floor
Lexington, Kentucky 40507

as obligee (the "Obligee"), in the penal sum of Five percent (5%) of amount bid dollars for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for West Hickman Trunk E Sewer Improvements

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal within the period specified therein, or, if no period be specified, within ninety (90) days after opening, and the Principal shall enter into a contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or contract documents, or in the event of the failure of the Principal to enter into such contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference in money not to exceed the penal sum hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void; otherwise to remain in full force and effect. In no event shall the liability hereunder exceed the penal sum thereof.

PROVIDED AND SUBJECT TO THE CONDITION PRECEDENT, that any claim by Obligee under this bond must be submitted in writing by registered mail, to the attention of the Surety Law Department at the address above, within 90 days of the date of this bond. Any suit under this bond must be instituted before the expiration of one (1) year from the date of this bond. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall apply.

DATED as of this 27th day of October, 2022.

WITNESS / ATTEST:

Principal (Secretary)



Surety (Secretary)
Thomas H. Bottoms, Jr., Witness

ConnHurst, LLC

Principal

By: Judd R. Conn (seal)
Name:
Title:

Old Republic Insurance Company

Surety

By: Amanda Colley (seal)
Name: Amanda Colley
Title: Attorney-in-fact

POWER OF ATTORNEY

(Attach to Bid Bond)

END OF SECTION



OLD REPUBLIC INSURANCE COMPANY

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC INSURANCE COMPANY, a Pennsylvania stock insurance corporation, does make, constitute and appoint:

CLARENCE C. MASSEY, THOMAS H. BOTTOMS JR, AMANDA COLLEY of HUNTINGTON, WV

its true and lawful Attorney(s)-in-Fact, with full power and authority for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than self-insurance workers compensation bonds guaranteeing payment of benefits, or black lung bonds), as follows:

ALL WRITTEN INSTRUMENTS

and to bind OLD REPUBLIC INSURANCE COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This appointment is made under and by authority of the board of directors at a meeting held on December 10, 2019. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC INSURANCE COMPANY on December 10, 2019.

RESOLVED FURTHER, that the chairman, president or any vice president of the Company's surety division, in conjunction with the secretary or any assistant secretary of the Company, be and hereby are authorized and directed to execute and deliver, to such persons as such officers of the Company may deem appropriate, Powers of Attorney in the form presented to and attached to the minutes of this meeting, authorizing such persons to execute and deliver and affix the seal of the Company to bonds, undertakings, recognizances, and suretyship obligations of all kinds, other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and not guaranty bonds. The said officers may revoke any Power of Attorney previously granted to any such person.

RESOLVED FURTHER that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by chairmen, president or any vice president of the Company's surety division and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
- (ii) when signed by a duly authorized Attorney-in-Fact and sealed with the seal of the Company (if a seal be required).

RESOLVED FURTHER, that the signature of any officer designated above, and the seal of the Company, may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC INSURANCE COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 28th day of September, 2022.

Karen J. Haffner
Assistant Secretary



OLD REPUBLIC INSURANCE COMPANY

Alan Pavlic
Vice President

STATE OF WISCONSIN, COUNTY OF WAUKESHA - SS

On this 28th day of September, 2022, personally came before me, Alan Pavlic and Karen J. Haffner, to me known to be the individuals and officers of the OLD REPUBLIC INSURANCE COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say: that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said organization.



Kathryn R. Pearson
Notary Public

My Commission Expires: September 28, 2026

(Expiration of notary's commission does not invalidate this instrument)

CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC INSURANCE COMPANY, a Pennsylvania corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.



27-0377

ORSC 11008 (6-93)

PEOPLES INS AGENCY INC

Signed and sealed at the City of Brookfield, WI this 27th day of October, 2022

Karen J. Haffner
Assistant Secretary

