



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

September 16, 2022

CALL NO. 103
CONTRACT ID NO. 221348
ADDENDUM # 1

Subject: BULLITT COUNTY, STP 5118 (045)
Letting September 22, 2022

- (1) Revised - Utility Note - Pages 33-37 of 174 of 227
- (2) Revised - Proposal Bid Items - Pages 225-227 of 227
- (3) Revised - Plan Sheets - U2, R2D

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.

PROTECTION OF EXISTING UTILITIES

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

PREQUALIFIED UTILITY CONTRACTORS

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. Those utility owners with a prequalification or preapproval requirement are as follows:

The City of Mount Washington has approved the following subcontractors:

Twin States Utilities & Excavation, 9440 Old Glasgow Road, Mount Herman, KY 42157, 270-427-5300

Stotts Construction Co., Inc., 203 Burkesville Road, Suite 101, Columbia, KY 42728, 270-378-2101

Cleary Construction, Inc., 2006 Edmonton Road, Tompkinsville, KY 42167, 270-487-1784

Dirt Works Unlimited, LLC, 4065 Brandenburg Road, Brandenburg, KY 40108, 270-668-9182

Cumberland Pipeline, LLC, 2909 Cane Valley Mill Road, Columbia, KY 42728, 270-385-9000

MAC Construction & Excavating, 1908 Unruh Ct, New Albany, IN 47150

Seven Seas Construction, 3825 Fitzgerald Rd, Louisville, KY 40216

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract.

When the list of approved subcontractors for the utility work is not provided in these general notes, the utility work must be completed by either the prime contractor or a subcontractor that is prequalified with the KYTC Division of Construction Procurement in the work type of “Utilities” (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

ENGINEER

Where the word “Engineer” appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Engineer” is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word “Inspector” or “Resident Project Representative” appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Inspector” or “Resident Project Representative” is the utility owner inspector and KYTC inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be; but is not limited to, a door hanger, notice by newspaper ad, telephone contact, or any combination of communication methods deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner’s shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

CUSTOMER SERVICE AND LATERAL ABANDONMENTS When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn off the tap valve

or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be “in-kind” as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

BELOW ARE NOTES FOR WHEN “INST” ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text “**Inst**” at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor’s bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

“No materials are being supplied by the utility owner(s). All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.”

SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility

contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor's expense.

PROPOSAL BID ITEMS

221348

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Report Date 9/16/22

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	2,627.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	2,152.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	18.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	2.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	151.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	2,664.00	TON		\$	
0070	00388		CL3 ASPH SURF 0.38B PG64-22	801.00	TON		\$	
0080	02101		CEM CONC ENT PAVEMENT-8 IN	248.00	SQYD		\$	
0090	02677		ASPHALT PAVE MILLING & TEXTURING	675.00	TON		\$	
0100	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	22.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0110	01000		PERFORATED PIPE-4 IN	900.00	LF		\$	
0120	01028		PERF PIPE HEADWALL TY 3-4 IN	3.00	EACH		\$	
0130	01310		REMOVE PIPE	173.00	LF		\$	
0140	01810		STANDARD CURB AND GUTTER	1,084.00	LF		\$	
0150	02014		BARRICADE-TYPE III	12.00	EACH		\$	
0160	02159		TEMP DITCH	1,231.00	LF		\$	
0170	02160		CLEAN TEMP DITCH	616.00	LF		\$	
0180	02200		ROADWAY EXCAVATION	2,345.00	CUYD		\$	
0190	02242		WATER	400.00	MGAL		\$	
0200	02429		RIGHT-OF-WAY MONUMENT TYPE 1	14.00	EACH		\$	
0210	02432		WITNESS POST	14.00	EACH		\$	
0220	02545		CLEARING AND GRUBBING 3.75 ACRES	1.00	LS		\$	
0230	02562		TEMPORARY SIGNS	500.00	SQFT		\$	
0240	02585		EDGE KEY	51.00	LF		\$	
0250	02602		FABRIC-GEOTEXTILE CLASS 1	7,255.00	SQYD		\$	
0260	02603		FABRIC-GEOTEXTILE CLASS 2	900.00	SQYD		\$	
0270	02604		FABRIC-GEOTEXTILE CLASS 1A	6,923.00	SQYD		\$	
0280	02611		HANDRAIL-TYPE A-1	104.00	LF		\$	
0290	02625		REMOVE HEADWALL	6.00	EACH		\$	
0300	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0310	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0320	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0330	02701		TEMP SILT FENCE	1,231.00	LF		\$	
0340	02703		SILT TRAP TYPE A	4.00	EACH		\$	
0350	02704		SILT TRAP TYPE B	4.00	EACH		\$	
0360	02705		SILT TRAP TYPE C	4.00	EACH		\$	
0370	02706		CLEAN SILT TRAP TYPE A	4.00	EACH		\$	
0380	02707		CLEAN SILT TRAP TYPE B	4.00	EACH		\$	
0390	02708		CLEAN SILT TRAP TYPE C	4.00	EACH		\$	
0400	02720		SIDEWALK-4 IN CONCRETE	1,132.00	SQYD		\$	

PROPOSAL BID ITEMS

221348

Page 2 of 3

Report Date 9/16/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02721		REMOVE CONCRETE SIDEWALK	701.00	SQYD		\$	
0420	02726		STAKING	1.00	LS		\$	
0430	05950		EROSION CONTROL BLANKET	372.00	SQYD		\$	
0440	05952		TEMP MULCH	12,100.00	SQYD		\$	
0450	05953		TEMP SEEDING AND PROTECTION	9,075.00	SQYD		\$	
0460	05963		INITIAL FERTILIZER	2.00	TON		\$	
0470	05964		MAINTENANCE FERTILIZER	4.00	TON		\$	
0480	05985		SEEDING AND PROTECTION	2,130.00	SQYD		\$	
0490	05990		SODDING	8,557.00	SQYD		\$	
0500	05992		AGRICULTURAL LIMESTONE	2.00	TON		\$	
0510	06511		PAVE STRIPING-TEMP PAINT-6 IN	19,600.00	LF		\$	
0520	06515		PAVE STRIPING-PERM PAINT-6 IN	10,844.00	LF		\$	
0530	06568		PAVE MARKING-THERMO STOP BAR-24IN	174.00	LF		\$	
0540	06570		PAVE MARKING-PAINT CROSS-HATCH	501.00	SQFT		\$	
0550	06573		PAVE MARKING-THERMO STR ARROW	2.00	EACH		\$	
0560	06574		PAVE MARKING-THERMO CURV ARROW	10.00	EACH		\$	
0570	06610		INLAID PAVEMENT MARKER-MW	42.00	EACH		\$	
0580	06612		INLAID PAVEMENT MARKER-BY	42.00	EACH		\$	
0590	20071EC		JOINT ADHESIVE	7,858.00	LF		\$	
0600	20550ND		SAWCUT PAVEMENT	3,974.00	LF		\$	
0610	21289ED		LONGITUDINAL EDGE KEY	3,884.00	LF		\$	
0620	22664EN		WATER BLASTING EXISTING STRIPE	5,000.00	LF		\$	
0630	23158ES505		DETECTABLE WARNINGS	157.00	SQFT		\$	
0640	23274EN11F		TURF REINFORCEMENT MAT 1	1,264.00	SQYD		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0650	00440		ENTRANCE PIPE-15 IN	226.00	LF		\$	
0660	00520		STORM SEWER PIPE-12 IN	47.00	LF		\$	
0670	00528		STORM SEWER PIPE-36 IN	52.00	LF		\$	
0680	00980		SLOTTED DRAIN PIPE-12 IN	45.00	LF		\$	
0690	01395		METAL END SECTION TY 3-36 IN	1.00	EACH		\$	
0700	01440		SLOPED BOX INLET-OUTLET TYPE 1	3.00	EACH		\$	
0710	01442		SLOPED AND PARALLEL HEADWALL-12 IN	2.00	EACH		\$	
0720	01550		DROP BOX INLET TYPE 12A	20.00	LF		\$	
0730	01577		DROP BOX INLET TYPE 14	1.00	EACH		\$	
0740	01648		JUNCTION BOX-54 IN	1.00	EACH		\$	
0750	02223		GRANULAR EMBANKMENT FOR RCBC EXTENSION	12.00	CUYD		\$	
0760	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	572.00	SQYD	\$2.00	\$	\$1,144.00
0770	08003		FOUNDATION PREPARATION FOR RCBC EXTENSION	1.00	LS		\$	
0780	08100		CONCRETE-CLASS A FOR RCBC EXTENSION	5.00	CUYD		\$	
0790	08150		STEEL REINFORCEMENT FOR RCBC EXTENSION	480.00	LB		\$	
0800	24575ES610		HEADWALL SLOPED AND MITERED FOR RCBC EXTENSION	1.00	EACH		\$	

PROPOSAL BID ITEMS

221348

Report Date 9/16/22

Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0810	06406		SBM ALUM SHEET SIGNS .080 IN	136.00	SQFT		\$	
0820	06410		STEEL POST TYPE 1	208.00	LF		\$	
0830	21373ND		REMOVE SIGN	9.00	EACH		\$	
0840	24631EC		BARCODE SIGN INVENTORY	25.00	EACH		\$	

Section: 0005 - SIGNALIZATION

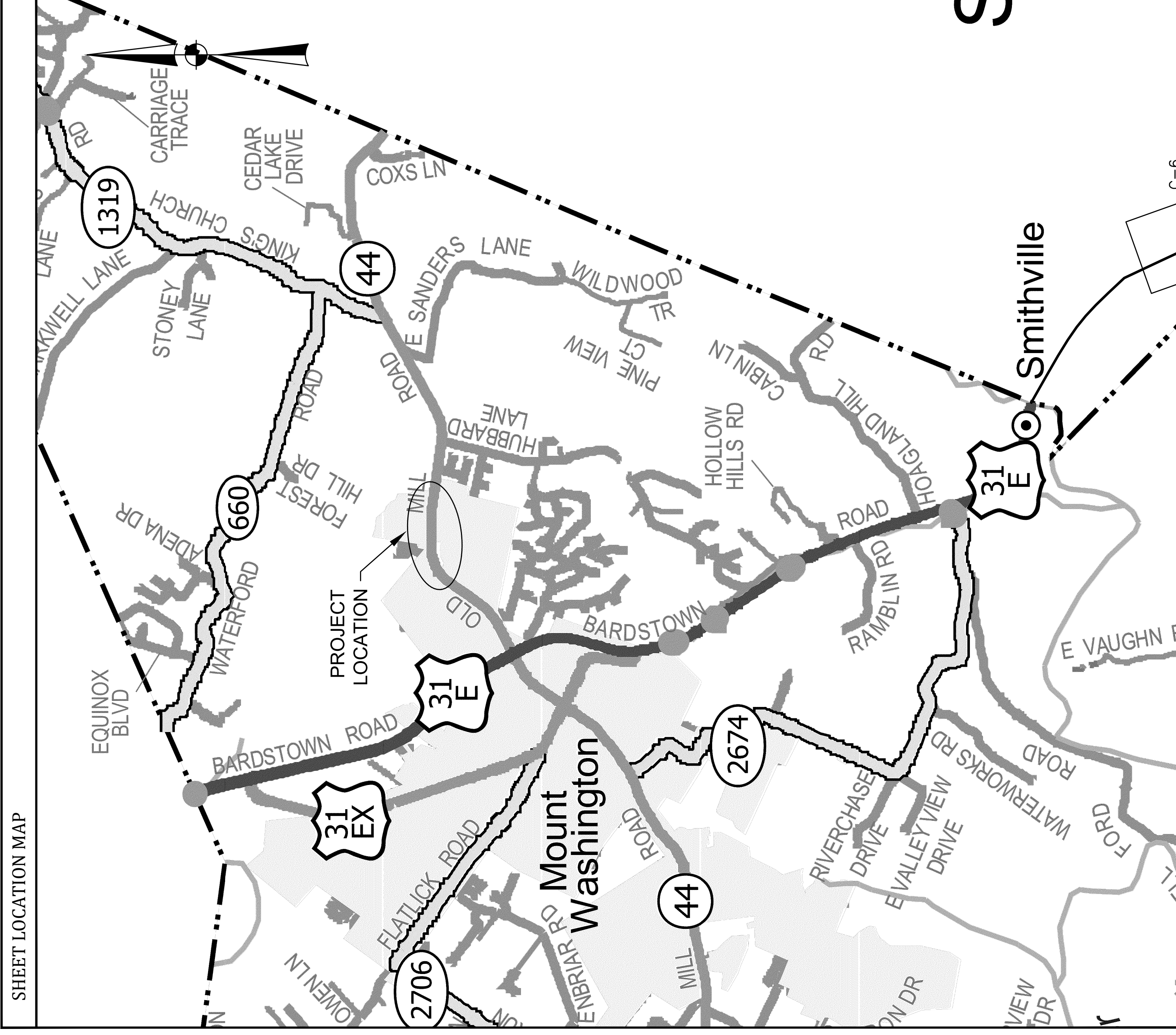
LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	04740		POLE BASE	2.00	EACH		\$	
0860	04844		CABLE-NO. 14/5C	70.00	LF		\$	
0870	22939ND		INSTALL LUMINAIRE POLE	2.00	EACH		\$	
0880	24601EC		INSTALL SOLAR POWERED BEACON CONTROLLER	2.00	EACH		\$	
0890	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

Section: 0006 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0900	14009		W ENCASMENT STEEL BORED RANGE 4 (REVISED 9-16-22)	125.00	LF		\$	
0910	14010		W ENCASMENT STEEL BORED RANGE 5	321.00	LF		\$	
0920	14019		W FIRE HYDRANT ASSEMBLY	6.00	EACH		\$	
0930	14021		W FIRE HYDRANT REMOVE	2.00	EACH		\$	
0940	14059		W PIPE PVC 06 INCH	15.00	LF		\$	
0950	14060		W PIPE PVC 08 INCH	195.00	LF		\$	
0960	14062		W PIPE PVC 12 INCH	2,280.00	LF		\$	
0970	14074		W PLUG EXISTING MAIN	8.00	EACH		\$	
0980	14080		W SERV PE/PLST LONG SIDE 3/4 IN	6.00	EACH		\$	
0990	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	4.00	EACH		\$	
1000	14089		W TAPPING SLEEVE AND VALVE SIZE 1	7.00	EACH		\$	
1010	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
1020	14105		W VALVE 06 INCH	1.00	EACH		\$	
1030	14106		W VALVE 08 INCH	2.00	EACH		\$	
1040	14108		W VALVE 12 INCH	12.00	EACH		\$	
1050	14126		W ENCASMENT SPECIAL	471.00	LF		\$	
1060	14144		W LINE MARKER	15.00	EACH		\$	

Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1070	02569		DEMOBILIZATION	1.00	LS		\$	



BULLITT COUNTY

NOT TO SCALE

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION:
U1	COVER
U2	PROJECT LOCATION MAP, INDEX OF DRAWINGS, UTILITIES and LEGEND
U3	GENERAL NOTES
U4	PLAN - UTILITY RELOCATION
U5	PLAN - UTILITY RELOCATION
U6	PLAN - UTILITY RELOCATION
U7	PLAN - UTILITY RELOCATION
U8	STANDARD DETAILS
U9	STANDARD DETAILS

DRAWING LEGEND

---	PROPERTY LINE
---	EDGE OF PAVEMENT
INV.	INVERT
STA.	STATION
EX/EXST.	EXISTING
M.H.	MANHOLE
(WT)	WATER TIGHT
P.P.	POWER POLE
CAVY	COMBINATION AIR AND VACUUM RELEASE VALVE
⊕	GRINDER PUMP STATION
—●—	PROPOSED FORCE MAIN
—●—	PROPOSED SANITARY SEWER
—▲—	PROPOSED COMBINATION AIR AND VACUUM RELEASE VALVE
—	EXISTING UTILITIES
○	PROPOSED CLEANOUT
○	EXISTING MANHOLE
■	PROPOSED PUMP STATION
→	DIRECTION OF FLOW
②	PLAN SHEET NUMBER
□	PLAN SHEET COVERAGE

UTILITIES

BUD - Before You Dig
1-800-752-6007
or DIAL 811

NOTE:
IN ACCORDANCE WITH KENTUCKY STATE LAW, ANY ACTIVITY THAT RESULTS IN MOVEMENT, PLACEMENT, BORING, PROBING OR DIGGING IN OR ON THE GROUND SHALL CONTACT THE ONE CALL CENTER FOR UNDERGROUND UTILITY LOCATIONS.

SUMMARY OF QUANTITIES

BID CODE	DESCRIPTION	DESCRIPTION	UNIT	QUANTITY
14062	W PIPE PVC 12 INCH	12" PVC SDR 17, Class 250	L.F.	2,280
14060	W PIPE PVC 08 INCH	8" PVC SDR 17, Class 250	L.F.	195
14059	W PIPE PVC 06 INCH	6" PVC SDR 17, Class 250	L.F.	15
14074	W PLUG EXISTING MAIN	Cut & Plug Existing Water Main	EA.	8
14080	W SERV PE/PLST LONG SIDE 3/4 IN	Relocation Existing Customer Service Opposite	EA.	6
14085	W SERV PE/PLST SHORT SIDE 3/4 IN	Relocation Existing Customer Service Same Side	EA.	4
14126	W ENCASMENT SPECIAL	2" HDPE Casing Pipe for Service Line	L.F.	471
14019	W FIRE HYDRANT ASSEMBLY	Fire Hydrant Assembly	EA.	6
14094	W TIE-IN 06 INCH	Connect to Existing Water Main	EA.	1
14089	W TAPPING SLEEVE AND VALVE SIZE 1	Wet Tap connection to Existing Water Main	EA.	7
14108	W VALVE 12 INCH	Gate Valve - 12 In (w/Box)	EA.	12
14105	W VALVE 06 INCH	Gate Valve - 6 In (w/Box)	EA.	1
14106	W VALVE 08 INCH	Gate Valve - 8 In (w/Box)	EA.	2
14010	W ENCASMENT STEEL BORED RANGE 5	20-inch Steel Casing Pipe, Bore & Jack	L.F.	321
14009	W ENCASMENT STEEL BORED RANGE 4	16-inch Steel Casing Pipe, Bore & Jack	L.F.	125
14144	W LINE MARKER	Fiberglass Line Marker	EA.	15
14021	W FIRE HYDRANT REMOVE	Ex. Hydrant to Be Removed	EA.	2

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

NO.	DATE	REVISIONS	BY

DATE:	APRIL 2022
PROJECT MGR:	RET
DRAWN BY:	JAB
CHECKED BY:	JCT
SCALE:	AS NOTED

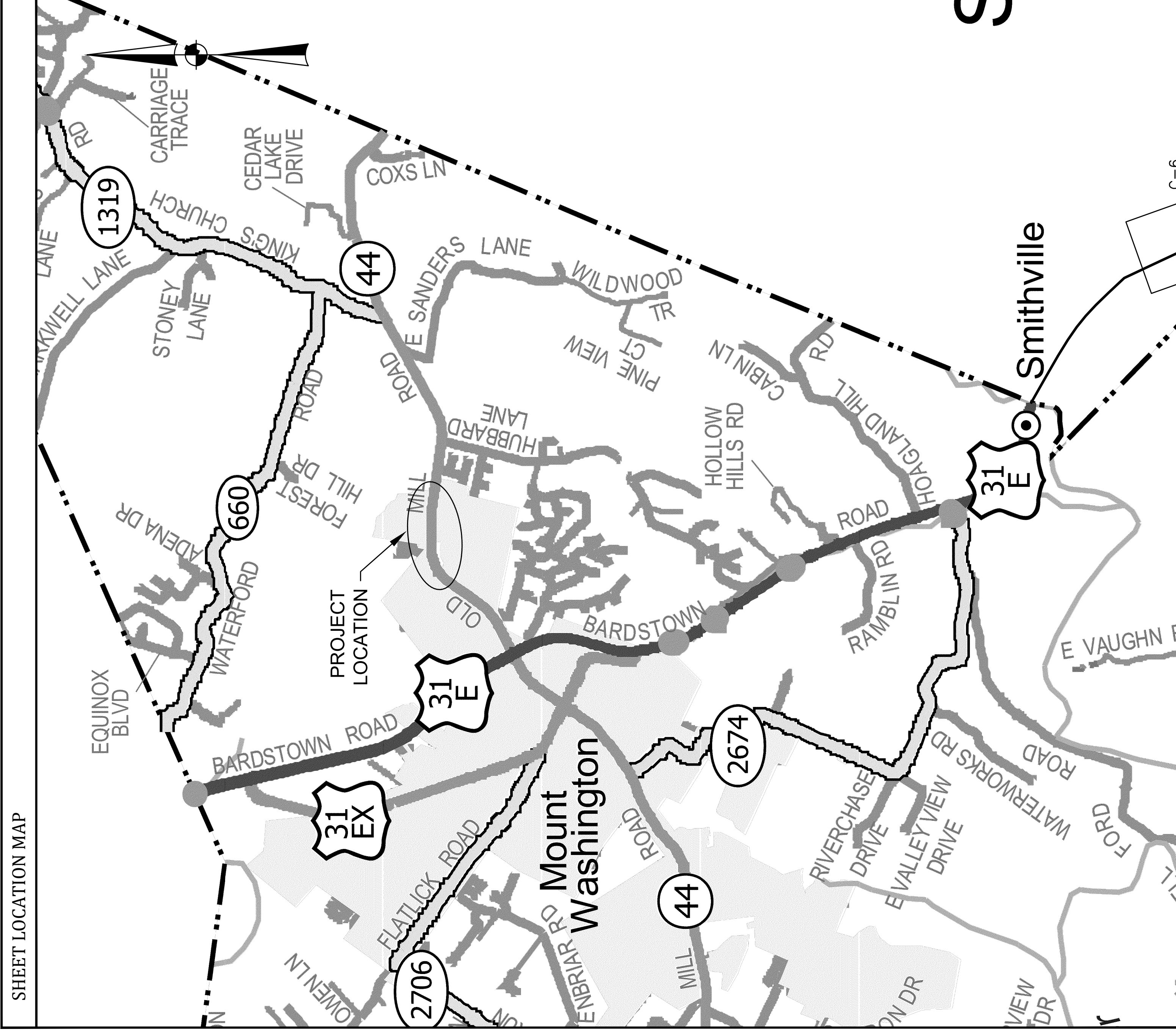


KY HWY 44
FOR THE
WATER MAIN RELOCATION
CITY OF MT. WASHINGTON
BULLITT COUNTY, KY

PROJECT LOCATION MAP, INDEX OF DRAWINGS, UTILITIES and LEGEND

PROJECT NO.
21029

SHEET NO.
U2



BULLITT COUNTY

NOT TO SCALE

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U9	STANDARD DETAILS

UTILITIES

BUD - Before You Dig
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DRAWING LEGEND

---	PROPERTY LINE
---	EDGE OF PAVEMENT
INV.	INVERT
STA.	STATION
EX/EXST.	EXISTING
M.H.	MANHOLE
(WT)	WATER TIGHT
P.P.	POWER POLE
CAVY	COMBINATION AIR AND VACUUM RELEASE VALVE
⊕	GRINDER PUMP STATION
—●—	PROPOSED FORCE MAIN
—●—	PROPOSED SANITARY SEWER
—▲—	PROPOSED COMBINATION AIR AND VACUUM RELEASE VALVE
—	EXISTING UTILITIES
○	PROPOSED CLEANOUT
○	EXISTING MANHOLE
■	PROPOSED PUMP STATION
→	DIRECTION OF FLOW
②	PLAN SHEET NUMBER
□	PLAN SHEET COVERAGE

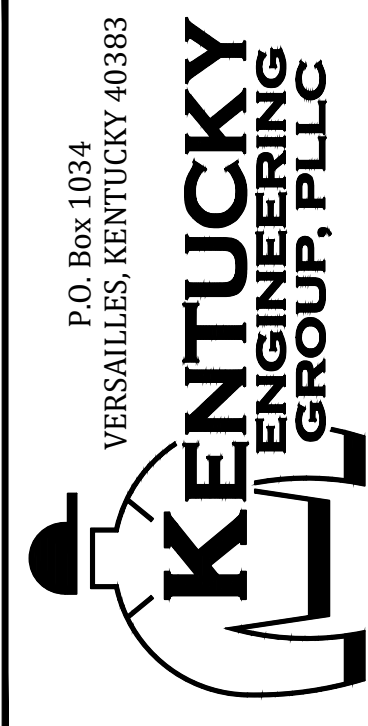
SUMMARY OF QUANTITIES

BID CODE	DESCRIPTION	DESCRIPTION	UNIT	QUANTITY
14062	W PIPE PVC 12 INCH	12" PVC SDR 17, Class 250	L.F.	2,280
14060	W PIPE PVC 08 INCH	8" PVC SDR 17, Class 250	L.F.	195
14059	W PIPE PVC 06 INCH	6" PVC SDR 17, Class 250	L.F.	15
14074	W PLUG EXISTING MAIN	Cut & Plug Existing Water Main	EA.	8
14080	W SERV PE/PLST LONG SIDE 3/4 IN	Relocation Existing Customer Service Opposite	EA.	6
14085	W SERV PE/PLST SHORT SIDE 3/4 IN	Relocation Existing Customer Service Same Side	EA.	4
14126	W ENCASMENT SPECIAL	2" HDPE Casing Pipe for Service Line	L.F.	471
14019	W FIRE HYDRANT ASSEMBLY	Fire Hydrant Assembly	EA.	6
14094	W TIE-IN 06 INCH	Connect to Existing Water Main	EA.	1
14089	W TAPPING SLEEVE AND VALVE SIZE 1	Wet Tap connection to Existing Water Main	EA.	7
14108	W VALVE 12 INCH	Gate Valve - 12 In (w/Box)	EA.	12
14105	W VALVE 06 INCH	Gate Valve - 6 In (w/Box)	EA.	1
14106	W VALVE 08 INCH	Gate Valve - 8 In (w/Box)	EA.	2
14009	W ENCASMENT STEEL BORED RANGE 5	20-inch Steel Casing Pipe, Bore & Jack	L.F.	321
14009	W ENCASMENT STEEL BORED RANGE 4	16-inch Steel Casing Pipe, Bore & Jack	L.F.	125
14144	W MARKER	Fiberglass Line Marker	EA.	15
14021	W FIRE HYDRANT REMOVE	Ex. Hydrant to Be Removed	EA.	2

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER. THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

NO.	DATE	REVISIONS	BY

DATE:	APRIL 2022
PROJECT MGR:	RET
DRAWN BY:	JAB
CHECKED BY:	JCT
SCALE:	AS NOTED



KY HWY 44
FOR THE
WATER MAIN RELOCATION
CITY OF MT. WASHINGTON
BULLITT COUNTY, KY

PROJECT LOCATION MAP, INDEX OF DRAWINGS, UTILITIES and LEGEND

PROJECT NO.
21029

SHEET NO.
U2

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-347.51	R2D

SHEET NO.	STATIONS	SKEW	ABRASION LEVEL	DESIGN pH	MAXIMUM COVER HEIGHT	LF											REMARKS						
						ENTRANCE PIPE - 15 IN	STORM SEWER PIPE - 12 IN	STORM SEWER PIPE - 15 IN	STORM SEWER PIPE - 36 IN	SLOTTED DRAIN PIPE - 12 IN	METAL END SECTION TY 3-36 IN	SLOPED BOX INLET-OUTLET TYPE 1	SLOPED AND PARALLEL HEADWALL-12 IN	DROP BOX INLET TYPE 12A	DROP BOX INLET TYPE 14	JUNCTION BOX - 54 IN		GRANULAR EMBANKMENT	FABRIC GEOTEXTILE CLASS 2 FOR PIPE	FOUNDATION PREPARATION	CONCRETE CLASS A	STEEL REINFORCEMENT	HEADWALL (SLOPED & MITERED FOR 4' X 2' BOX)
ITEM CODE	UNIT TO BID					440	520	521	528	980	1395	1440	1442		1577	1648	2223	2607	8003	8100	8150	24575ES610	
KY 44																							
R3A**	198+88 TO 199+03 LT	LONG	A	M	2.2'																		
R3A**	199+03 TO 199+62 LT	LONG	A	M	1.5'	59																	
R3A**	200+75 TO 201+41 LT	LONG	A	M	2.0'	66																	
R5	204+72 TO 204+97 LT	LONG	A	M	1.5'					25													
R7	208+40 TO 208+60 LT	LONG	A	M	1.0'					20													
R7	210+67 TO 211+69 LT	LONG	A	M	1.5'							1											
R9	216+26 TO 216+97 LT	LONG	A	M	1.5'	72																	
R9	217+41.5	0.5° RT	A	M	1.5'																		
R9	217+44.5	24° 30' LT	A	M	2.5'																		
R9/R11	219+85 TO 220+32 LT	LONG	A	M	2.0'		47						2										
R11	222+20 TO 222+69 LT	LONG	A	M	1.0'	51																	
PROJECT TOTAL						226	47	0	52	45	1	3	2	20	1	1	12	572	1	5	480	1	

** TO BE DONE BY OTHERS

NOTE: QUANTITIES FOR SHEET R3A TO BE DONE BY OTHERS NOT INCLUDED IN PROJECT TOTAL ARE FOR INFORMATIONAL PURPOSES ONLY

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-347.51	R2D

SHEET NO.	STATIONS	SKEW	ABRASION LEVEL	DESIGN pH	MAXIMUM COVER HEIGHT	LF										REMARKS									
						ENTRANCE PIPE - 15 IN	STORM SEWER PIPE - 12 IN	STORM SEWER PIPE - 15 IN	STORM SEWER PIPE - 36 IN	SLOTTED DRAIN PIPE - 12 IN	METAL END SECTION TY 3-36 IN	SLOPED BOX INLET-OUTLET TYPE 1	SLOPED AND PARALLEL HEADWALL-12 IN	DROP BOX INLET TYPE 12A	DROP BOX INLET TYPE 14		JUNCTION BOX - 54 IN	GRANULAR EMBANKMENT	FABRIC GEOTEXTILE CLASS 2 FOR PIPE	FOUNDATION PREPARATION	CONCRETE CLASS A	STEEL REINFORCEMENT	HEADWALL (SLOPED & MITERED FOR 4' X 2' BOX)		
ITEM CODE	440	520	521	528	980	1395	1440	1442	1577	1648	2223	2607	8003	8100	8150	24575ES610									
UNIT TO BID											CUYD	SQYD	LS	CUYD	LB										
KY 44																									
R3A**	198+88 TO 199+03 LT	LONG	A	M	2.2'													INTERMEDIATE ANCHOR-1.5 IN, 4 LF FOR STUB PIPE, DBI 14 (H=2.5')							
R3A**	199+03 TO 199+62 LT	LONG	A	M	1.5'	59			1																
R3A**	200+75 TO 201+41 LT	LONG	A	M	2.0'	66																			
R5	204+72 TO 204+97 LT	LONG	A	M	1.5'																				
R7	208+40 TO 208+60 LT	LONG	A	M	1.0'																				
R7	210+67 TO 211+69 LT	LONG	A	M	1.5'	103																			
R9	216+26 TO 216+97 LT	LONG	A	M	1.5'	72																			
R9	217+41.5	0.5° RT	A	M	1.5'																				
R9	217+44.5	24° 30' LT	A	M	2.5'																				
R9/R11	219+85 TO 220+32 LT	LONG	A	M	2.0'			2										EXTEND RCBC 10 LF, CONST S&M HEADWALL, SEE R50 FOR DETAILS							
R11	222+20 TO 222+69 LT	LONG	A	M	1.0'	51																			
PROJECT TOTAL																									
						226	47	0	52	45	1	3	2	20	1	12	572	1	5	480	1				
** TO BE DONE BY OTHERS																									

NOTE: QUANTITIES FOR SHEET R3A TO BE DONE BY OTHERS NOT INCLUDED IN PROJECT TOTAL ARE FOR INFORMATIONAL PURPOSES ONLY