



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

June 23, 2021

CALL NO. 301
CONTRACT ID NO. 211022
ADDENDUM # 1

Subject: Jefferson County, FD39 056 0146 006-007
Letting June 25, 2021

- (1) Added - Special Note - Pages 9(a)-9(b) of 187
- (2) Revised - Proposal Bid Items - Pages 185-187 of 187
- (3) Revised - Plan Sheets - R2A, R2B, and U2

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

SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATES

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Use one of the following three alternates for the subgrade stabilization.

- a) Geogrid and geotextile fabric with six additional inches of aggregate base
- b) Eight inches of chemical stabilization using lime or cement
- c) 15 inches of rock (#2's, #3's or #23's) wrapped in geotextile fabric. Do **NOT** use alternate "c" under concrete pavements.

Stabilization should be applied from shoulder break to shoulder break. Contact the Division of Highway Design, Pavement Design Branch for pavement thickness evaluation if this note is being used as part of a contract modification where Subgrade Stabilization has not been bid.

2.0 MATERIALS

2.1 Geogrid: Furnish Geogrid according to Section 304.

2.2 Class 1 Geotextile Fabric: Conform to Section 843.

2.3 Aggregate: Conform to Section 805.

2.4 Cement, Lime, Asphalt Curing Seal, Water and Sand: Conform to Section 208.02.

3.0 CONSTRUCTION

3.1 Geogrid Alternate: Add 6 inches of aggregate base (DGA or CSB) to the pavement structure. This will require excavating the subgrade by 6 inches more than shown on the plans. This excavation is incidental to Subgrade Stabilization.

Place the geotextile fabric first, then place the geogrid on top of the geotextile fabric so that they are at the bottom of the aggregate layer. Maintain tension on the geogrid and ensure there are no buckles or folds. Geogrid should not be completely placed before placing aggregate, but should be placed down at the front of a "paving train" consisting of the geogrid laydown equipment followed no further than 50 feet by the aggregate placement equipment. In curves and intersections, cut and overlap the geogrid. Place the geogrid and aggregate according to Sections 304 and 302. Contrary to Section 302.03.03, if the total aggregate base thickness is less than 12 inches, the aggregate base will be placed in one lift. If greater than 12 inches, place the aggregate

in 5 inch to 12 inch lifts with the first lift being a minimum of 6 inches. All other construction and density requirements of Section 302 will apply.

3.2 Chemical Stabilization Alternate: Construct an 8 inch thick, chemically stabilized Roadbed according to section 208. See the geotechnical notes to determine the type of chemical used for the stabilization (lime or cement) and the correct percent by weight for the proper dry density of the soils on the site.

3.3 15 Inches of Rock and Fabric: Do **NOT** use this alternate for concrete pavements. Use 15 inches of #2's, #3's or #23's wrapped in Class 1 Geotextile Fabric. This will require excavating the subgrade by 15 inches more than shown on the plans. This alternate also requires positive drainage of the rock roadbed – perforated pipe discharged into weep holes in drainage boxes or headwalls or by daylighting the rock. The drainage solution and the additional 15" excavation are incidental to Subgrade Stabilization.

4.0 MEASUREMENT. The Department will measure the quantity of Subgrade Stabilization in square yards. The square yard price will include the additional 6 inches of aggregate, the Class 1 Geotextile Fabric and the Geogrid; Lime, Cement, Lime Stabilized roadbed, Cement Stabilized Roadbed, Asphalt Curing Seal, or Sand for Blotter; #2's, #3's or #23's, class 1 geotextile fabric and drainage items. No separate payment will be made for the above items. The Department will not make payment for providing a geogrid manufacturer's representative and will consider it incidental to the bid item for Subgrade Stabilization. The Department will not measure excavation (for 15 inches of rock and fabric or an additional 6 inches of aggregate) or adjusting subgrade differences between the alternates, and will consider such excavation or adjustments as incidental to Subgrade Stabilization. Fuel Price Adjustment does not apply to the subgrade stabilization bid item.

5.0 PAYMENT. The Cabinet will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24790EC	Subgrade Stabilization	Square Yard

The Cabinet will consider payment as full compensation for all work required in this note. If the department determines a thicker chemical or rock stabilization section is needed once construction begins, the unit price for subgrade stabilization will be adjusted as follows:

Adjusted Unit Price = Original Unit Bid Price * (New Thickness/Original Thickness of Alternate)

PROPOSAL BID ITEMS

211022

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Report Date 6/23/21

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	2,319.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	15.40	TON		\$	
0040	00103		ASPHALT SEAL COAT	1.80	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	162.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	861.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	4.60	TON		\$	
0080	00388		CL3 ASPH SURF 0.38B PG64-22	434.00	TON		\$	
0100	02677		ASPHALT PAVE MILLING & TEXTURING	202.00	TON		\$	
0105	24790EC		SUBGRADE STABILIZATION (ADDED: 6-23-21)	2,076.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0110	00078		CRUSHED AGGREGATE SIZE NO 2	1.00	TON		\$	
0120	02014		BARRICADE-TYPE III	3.00	EACH		\$	
0130	02200		ROADWAY EXCAVATION	2,282.00	CUYD		\$	
0140	02429		RIGHT-OF-WAY MONUMENT TYPE 1	4.00	EACH		\$	
0150	02432		WITNESS POST	4.00	EACH		\$	
0160	02545		CLEARING AND GRUBBING 0.8 ACRES	1.00	LS		\$	
0170	02562		TEMPORARY SIGNS	143.00	SQFT		\$	
0180	02585		EDGE KEY	57.00	LF		\$	
0190	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	96.00	SQYD	\$2.00	\$	\$192.00
0200	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0210	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0220	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0230	02690		SAFELOADING	3.40	CUYD		\$	
0240	02701		TEMP SILT FENCE	1,835.00	LF		\$	
0250	02704		SILT TRAP TYPE B	2.00	EACH		\$	
0260	02707		CLEAN SILT TRAP TYPE B	2.00	EACH		\$	
0270	02726		STAKING	1.00	LS		\$	
0280	05952		TEMP MULCH	387.00	SQYD		\$	
0290	05963		INITIAL FERTILIZER	.10	TON		\$	
0300	05964		MAINTENANCE FERTILIZER	.10	TON		\$	
0310	05985		SEEDING AND PROTECTION	1,537.00	SQYD		\$	
0320	05992		AGRICULTURAL LIMESTONE	1.00	TON		\$	
0330	06510		PAVE STRIPING-TEMP PAINT-4 IN	7,000.00	LF		\$	
0340	06514		PAVE STRIPING-PERM PAINT-4 IN	7,594.00	LF		\$	
0350	06568		PAVE MARKING-THERMO STOP BAR-24IN	10.00	LF		\$	
0360	06569		PAVE MARKING-THERMO CROSS-HATCH	4,848.00	SQFT		\$	
0370	06574		PAVE MARKING-THERMO CURV ARROW	8.00	EACH		\$	
0380	06589		PAVEMENT MARKER TYPE V-MW	12.00	EACH		\$	
0390	06591		PAVEMENT MARKER TYPE V-BY	83.00	EACH		\$	
0400	20071EC		JOINT ADHESIVE	1,835.00	LF		\$	
0410	20550ND		SAWCUT PAVEMENT	1,835.00	LF		\$	

PROPOSAL BID ITEMS

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Report Date 6/23/21

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	21289ED		LONGITUDINAL EDGE KEY	1,835.00	LF		\$	
0430	23274EN11F		TURF REINFORCEMENT MAT 1	21.00	SQYD		\$	
0440	24631EC		BARCODE SIGN INVENTORY	4.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0450	00440		ENTRANCE PIPE-15 IN	39.00	LF		\$	
0460	00461		CULVERT PIPE-15 IN	15.00	LF		\$	
0470	00462		CULVERT PIPE-18 IN	4.00	LF		\$	
0480	00491		CULVERT PIPE-18 IN EQUIV DUE TO THE LOW COVER, THE REINFORCED CONCRETE ELLIPTICAL PIPE SHALL BE A CLASS H	86.00	LF		\$	
0490	01000		PERFORATED PIPE-4 IN	1,745.00	LF		\$	
0500	01010		NON-PERFORATED PIPE-4 IN	10.00	LF		\$	
0510	01020		PERF PIPE HEADWALL TY 1-4 IN	1.00	EACH		\$	
0520	01432		SLOPED BOX OUTLET TYPE 1-15 IN	4.00	EACH		\$	
0530	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
0540	02220		FLOWABLE FILL	25.00	CUYD		\$	
0550	24575ES610		HEADWALL SLOPED & MITERED CONCRETE -- FOR 18" EQUIV. PIPE	2.00	EACH		\$	

Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0560	06406		SBM ALUM SHEET SIGNS .080 IN	15.00	SQFT		\$	
0570	06407		SBM ALUM SHEET SIGNS .125 IN	36.00	SQFT		\$	
0580	06410		STEEL POST TYPE 1	48.00	LF		\$	

Section: 0005 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0590	14019		W FIRE HYDRANT ASSEMBLY	1.00	EACH		\$	
0600	14021		W FIRE HYDRANT REMOVE	1.00	EACH		\$	
0610	14030		W METER RELOCATE	5.00	EACH		\$	
0620	14031		W METER VAULT	5.00	EACH		\$	
0630	14039		W PIPE DUCTILE IRON 12 INCH	200.00	LF		\$	
0640	14062		W PIPE PVC 12 INCH	255.00	LF		\$	
0650	14074		W PLUG EXISTING MAIN	3.00	EACH		\$	
0670	14097		W TIE-IN 12 INCH	3.00	EACH		\$	
0680	14108		W VALVE 12 INCH	1.00	EACH		\$	
0690	14152		W SERV COPPER SHORT SIDE 3/4 IN	5.00	EACH		\$	
0700	14158		W BLOWOFF ASSEMBLY 6 IN	1.00	EACH		\$	

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PROPOSAL BID ITEMS

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Section: 0006 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	02569		DEMOBILIZATION	1.00	LS		\$	

PIPE DRAINAGE SUMMARY

SHEET NO.	ITEM CODE	CULVERT PIPE			DRAINAGE BOXES\HEADWALLS			PERFORATED PIPE			REMARKS	
		ENTRANCE PIPE	15" CULVERT PIPE	18" CULVERT PIPE	18" EQUIV. PIPE *	SLOPED BOX OUTLET TYPE 1-15 IN	SLOPED BOX OUTLET TYPE 1-18 IN	HEADWALL (SLOPED & MITERED CONCRETE - FOR 18 IN EQUIV. PIPE)	FLOWABLE FILL	PERFORATED PIPE - 4 IN		NON-PERFORATED PIPE - 4 IN
UNIT TO BID		LIN FT			EACH			CU YD	LIN FT			EACH
R5	Sta. 15+58 LT			4		1		5				
R7	Sta. 22+29				86*		2	15				See Detail for Sloped & Mitered Concrete Headwall
R7	Sta. 23+81		15			1		5				
R9	Sta. 26+93 TO 27+94 LT	31				2						Pipe under entrance Sta. 27+04 Lt
R9	Sta. 30+25 TO 30+33 LT	8				1						Pipe under entrance Sta. 30+33 Lt
	Sta. 12+40 TO 17+70 LT									530		DRAIN INTO PROPOSED PIPE STA. 15+58
	Sta. 17+70 TO 22+60 LT									490		DRAIN INTO PROPOSED PIPE STA. 22+29
	Sta. 23+50 TO 25+60 LT									210		DRAIN INTO PROPOSED PIPE STA. 23+81
	Sta. 25+60 TO 30+75 LT									515	10	DRAIN INTO PROPOSED PERF PIPE HEADWALL STA. 30+75
TOTAL PROJECT		39	15	4	86*	4	1	2	25	1745	10	

* Due to the low cover, the reinforced concrete elliptical pipe shall be a class HE-IV minimum in accordance with Section 810 of the specifications.

PAVING AREAS

ITEM	KY 146	N. ENGLISH STATION RD	ENTRANCES	TOTAL PROJECT	S O U A R E Y A R D S				
					4696	323	246	5,265	TOTAL PROJECT
CL3 ASPH SURF 0.38B PG64-22 - 1.50 IN	2196	125	246	2,567					
CL3 ASPH BASE 1.00D PG64-22 - 3.0 IN (TOP LIFT)	1798	41		1,839					
CL3 ASPH BASE 1.00D PG64-22 - 3.0 IN (FULL DEPTH)	1998	78		2,076					
CRUSHED STONE BASE - 16 IN	9849	595	246	246					
CRUSHED STONE BASE - 4 IN (ENTRANCES)	765		492	10,936					
ASPHALT MATERIAL FOR TACK	2690	245		765					
CRUSHED STONE BASE - 16 IN 3:1 WEDGE FOR MOT				2,935					
LEVELING AND WEDGING PG64-22									
ASPHALT SEAL COAT	769			769					
ASPHALT SEAL AGGREGATE	769			769					
SUBGRADE STABILIZATION	1998	78		2,076					

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	KY 146	N. ENGLISH STATION RD	ENTRANCES	TOTAL PROJECT
00003	CRUSHED STONE BASE	TON	2190	72	57	2319
00100	ASPHALT SEAL AGGREGATE	TON	15.4			15.4
00103	ASPHALT SEAL COAT	TON	1.8			1.8
00190	LEVELING & WEDGING PG64-22	TON	148	14		162
00214	CL3 ASPH BASE 1.00D PG64-22	TON	785	35	41	861
00356	ASPHALT MATERIAL FOR TACK	TON	4.2	0.2	0.2	4.6
00388	CL3 ASPH SURF 0.38B PG64-22	TON	387	27	20	434
02677	ASPHALT PAVE MILLING & TEXTURING	TON	185	17		202
24790EC	SUBGRADE STABILIZATION	SO. YD.	1998	78		2076

NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH. (MAINLINE=16 IN.; ENTRANCE=4 IN.)
 - ESTIMATED AT 0.84 LBS. PER SQ. YD.
 - ESTIMATED AT 2.4 LBS PER SQ. YD.
 - ESTIMATED AT 20 LBS PER SQ. YD.

REVISED 6-23-2021

PIPE DRAINAGE SUMMARY

SHEET NO.	ITEM CODE	CULVERT PIPE			DRAINAGE BOXES\HEADWALLS			PERFORATED PIPE			REMARKS	
		ENTRANCE PIPE	15" CULVERT PIPE	18" CULVERT PIPE	18" EQUIV. PIPE *	SLOPED BOX OUTLET TYPE 1-15 IN	SLOPED BOX OUTLET TYPE 1-18 IN	HEADWALL (SLOPED & MITERED CONCRETE - FOR 18 IN EQUIV. PIPE)	FLOWABLE FILL	PERFORATED PIPE - 4 IN		NON-PERFORATED PIPE - 4 IN
UNIT TO BID		LIN FT			EACH			CU YD	LIN FT			EACH
R5	Sta. 15+58 LT			4		1		5				
R7	Sta. 22+29				86*		2	15				See Detail for Sloped & Mitered Concrete Headwall
R7	Sta. 23+81		15			1		5				
R9	Sta. 26+93 TO 27+94 LT	31				2						Pipe under entrance Sta. 27+04 Lt
R9	Sta. 30+25 TO 30+33 LT	8				1						Pipe under entrance Sta. 30+33 Lt
	Sta. 12+40 TO 17+70 LT								530			DRAIN INTO PROPOSED PIPE STA. 15+58
	Sta. 17+70 TO 22+60 LT								490			DRAIN INTO PROPOSED PIPE STA. 22+29
	Sta. 23+50 TO 25+60 LT								210			DRAIN INTO PROPOSED PIPE STA. 23+81
	Sta. 25+60 TO 30+75 LT								515	10	1	DRAIN INTO PROPOSED PERF PIPE HEADWALL STA. 30+75
TOTAL PROJECT		39	15	4	86*	4	1	2	25	10	1	

* Due to the low cover, the reinforced concrete elliptical pipe shall be a class HE-IV minimum in accordance with Section 810 of the specifications.

PAVING AREAS

ITEM	KY 146	N. ENGLISH STATION RD	ENTRANCES	TOTAL PROJECT	S O U A R E Y A R D S				
					4696	323	246	5,265	
CL3 ASPH SURF 0.38B PG64-22 - 1.50 IN	2196	125	246	2,567					
CL3 ASPH BASE 1.00D PG64-22 - 3.0 IN (TOP LIFT)	1798	41		1,839					
CL3 ASPH BASE 1.00D PG64-22 - 3.0 IN (FULL DEPTH)	1998	78		2,076					
CRUSHED STONE BASE - 16 IN	①								
CRUSHED STONE BASE - 4 IN (ENTRANCES)	①								
ASPHALT MATERIAL FOR TACK	②	9849	595	246	246				
CRUSHED STONE BASE - 16 IN 3:1 WEDGE FOR MOT	①	765	492	765					
LEVELING AND WEDGING PG64-22	2690	245		2,935					
ASPHALT SEAL COAT	③	769		769					
ASPHALT SEAL AGGREGATE	④	769		769					
SUBGRADE STABILIZATION	1998	78		2,076					

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	KY 146	N. ENGLISH STATION RD	ENTRANCES	TOTAL PROJECT
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00388	CL3 ASPH SURF 0.38B PG64-22	TON	387	27	20	434
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24790EC	SUBGRADE STABILIZATION	SO. YD.	1998	78		2076

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH. (MAINLINE=16 IN.; ENTRANCE=4 IN.)
- ② ESTIMATED AT 0.84 LBS. PER SQ. YD.
- ③ ESTIMATED AT 2.4 LBS PER SQ. YD.
- ④ ESTIMATED AT 20 LBS PER SQ. YD.

SYMBOLOLOGY

	GATE VALVE (LWC STD. - OPENS CLOCKWISE)
	BUTTERFLY VALVE (LWC STD. - OPENS CLOCKWISE)
	GATE VALVE (AWWA STD. - CLOSERS CLOCKWISE)
	EZ VALVE
	BYPASS GATE VALVE OR LEAK DETECTION METER GATE VALVE WITH BYPASS ASSEMBLY
	CHECK VALVE
	PRESSURE REGULATING VALVE
	ALTITUDE VALVE
	SAMPLE STATION
	TAPPING SLEEVE AND GATE VALVE
	AIR VALVE, LABEL AS AUTOMATIC OR MANUAL
	PITOMETER W/ACCESS MANHOLE
	DRAIN ASSEMBLY
	FIRE HYDRANT
	FIRE / DOMESTIC SERVICE
	PRESSURE PLANE BOUNDARY VALVE
	REDUCER
	ABANDONED VALVE
	BEND (HORIZONTAL)
	BEND (VERTICAL)
	OFFSET (HORIZONTAL)
	OFFSET (VERTICAL)
	TEE (HORIZONTAL)
	TEE (VERTICAL)
	CROSS
	PLUG
	WYE
	OUTLET
	PRESSURE REDUCING STATION
	PUMP STATION

UTILITY LINE TYPES

	PRESSURE PLANE BOUNDARY
	SEWER MAINS DIAMETERS 24" AND LARGER
	ELECTRIC
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	ELECTRIC GUY WIRE
	FIBER OPTIC
	SILTY FENCE
	GAS
	OVERHEAD UTILITY
	SANITARY SEWER
	STORM SEWER
	FORCE MAIN SEWER
	COMBINED STORM & SANITARY SEWERS OR UNKNOWN SEWER TYPE
	CABLE TV
	EXISTING WATER
	PROPOSED WATER
	TRANSMISSION WATER MAIN
	TELEPHONE
	UNDERGROUND TELEPHONE
	OVERHEAD TELEPHONE

PIPE TYPES

AC	ASBESTOS CEMENT
CCL	CLEAN AND CEMENT LINED CAST IRON
CI	CAST IRON UNLINED
CL	CEMENT LINED CAST IRON
CLD	CEMENT LINED DELAVALD CAST IRON
CONC	REINFORCED OR PRE-STRESSED CONCRETE
COP	COPPER
CPS	CATHODIC PROTECTED WITH SACRIFICIAL ANODES
DI	CEMENT LINED DUCTILE IRON
DW	CEMENT LINED DUCTILE POLYWRAPPED
DPW	DUCTILE IRON PRESSURE WRAPPED
GAL	GALVANIZED STEEL
HDP	HDPE (HIGH DENSITY POLYETHYLENE)
PCP	PRE-STRESSED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE
SCI	UNLINED SAND CAST IRON
UCI	UNDESIGNATED CAST IRON
SWS	SPIRAL WELD STEEL

GENERAL NOTES

- THESE DRAWINGS ARE FOR L.W.C. WORK ONLY - UTILITIES LOCATIONS ARE SHOWN FROM AVAILABLE INFORMATION AND ARE APPROXIMATE. CONTRACTORS ARE URGED TO MAKE THEIR OWN DETERMINATION OF EXACT LOCATIONS.
- THIS PROJECT HAS BEEN APPROVED IN ACCORDANCE WITH K00W AGREED ORDER NO. D0W-W00001 OR IT HAS BEEN SUBMITTED TO K00W FOR APPROVAL AND IS VALID FOR 2-YEARS FROM DATE OF THE DESIGNATED PLAN REVIEWER CERTIFICATION, DURING WHICH TIME PROJECT CONSTRUCTION SHALL BEGIN.
- BASE MAP INFORMATION DERIVED FROM PLANIMETRIC AND TOPOGRAPHIC DATA FROM LOUISVILLE/ JEFFERSON COUNTY INFORMATION CONSORTIUM. (LOJIC)
- JEFFERSON COUNTY PROPERTY DATA SHOWN ON THIS MAP WAS DIGITIZED FROM PVA BLOCK MAPS, ADJUSTED TO LOJIC PLANIMETRIC MAP DATA AND HAS BEEN UPDATED FROM PVA RECORDS. THE PROPERTY DATA DOES NOT SUPERSEDE DEED RECORDS AND SHOULD NOT BE USED FOR PURPOSES OTHER THAN GENERAL PROPERTY REFERENCE AND IDENTIFICATION.
- WHEN ABANDONING EXISTING GATE VALVES, REMOVE OPERATOR NUT, KEYTUBE, ROUND TOP & LID AND BACKFILL WITH EITHER CONCRETE OR ASPHALT.
- MAINTAIN 18" VERTICAL CLEARANCE BETWEEN WATER MAIN AND DRAINAGE / SEWER LINES.
- CONTRACTOR WILL BE RESPONSIBLE TO BRACE OR PROTECT ANY UTILITY POLES IN ORDER TO COMPLETE CONSTRUCTION OF WATER MAIN AT ITS DESIGNED LOCATION AT THE CONTRACTORS EXPENSE. ALL NECESSARY WORK TO COMPLETE THIS TASK IN A SAFE MANNER SHALL BE INCLUDED IN THE CONTRACTORS ORIGINAL BID.
- ALL MATERIAL, EXCEPT METERS, SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- SUPPLY AND TRANSFER, RENEW, RELOCATE AND/OR DISCONTINUE 5 CUSTOMER SERVICES.
- DRIVEWAY REPAIR:
 - A. ASPHALT - REPAVE FROM STREET TO EDGE OF EASEMENT.
 - B. CONCRETE - POUR FROM STREET TO 1st EXPANSION JOINT BEYOND TRENCH CUT.

RESTORATION

	PAVEMENT RESTORATION AREA MILL & PAVE
	SIDEWALK RESTORATION AREA
	DRIVEWAY RESTORATION AREA

ROCK SOUNDINGS

	NO ROCK 6.0'
	NO ROCK x.x'
	NO ROCK
	ROCK

SUMMARY OF QUANTITIES

Bid Item No.	Item Description	Units	Quantity
14039	W PIPE DUCTILE IRON 12 INCH	LF	200
14062	W PIPE PVC 12 INCH	LF	255
14108	W VALVE 12 INCH	EA	1
14097	W TIE-IN 12 INCH	EA	3
14152	W SERV COPPER SHORT SIDE 3/4 IN	EA	5
14031	W METER VAULT	EA	5
14074	W PLUG EXISTING MAIN	EA	3
14030	W METER RELOCATE	EA	5
14019	W FIRE HYDRANT ASSEMBLY	EA	1
14021	W FIRE HYDRANT REMOVE	EA	1
14158	W BLOWOFF ASSEMBLY	EA	1



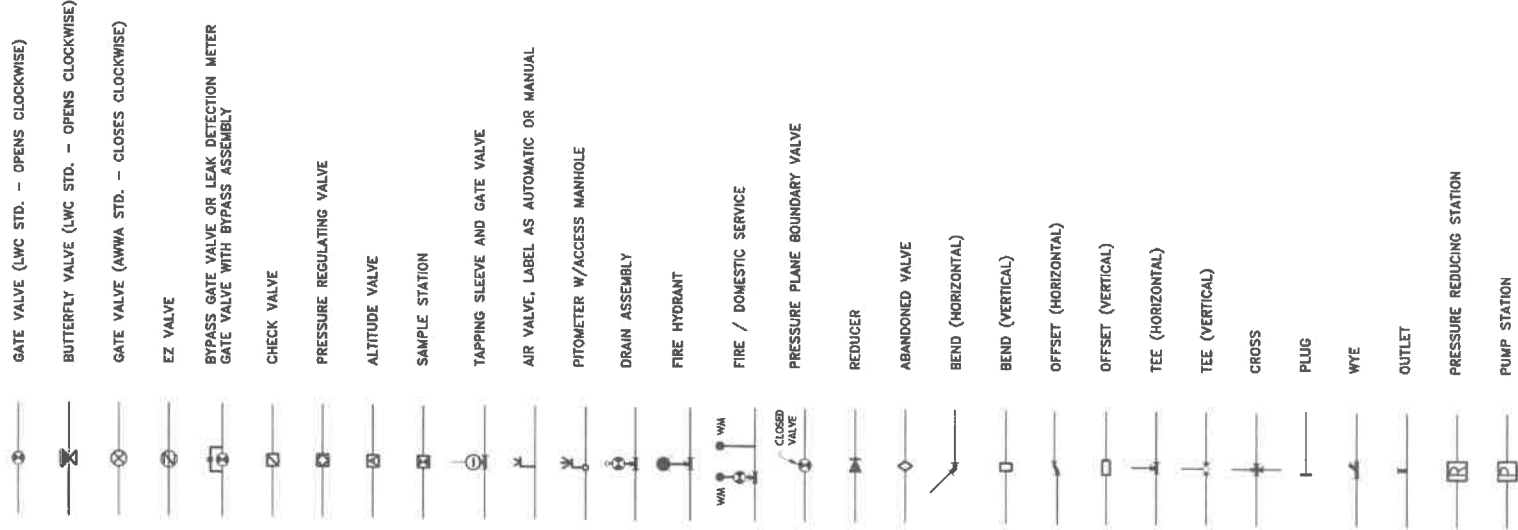
LOUISVILLE WATER COMPANY
 500 S. 3RD STREET - LOUISVILLE, KENTUCKY 40202 • (502) 566-3800
 SPENCER W. BRUCE, PE - PRESIDENT
 TIMOTHY KRAUS, PE - VICE PRESIDENT/CHIEF ENGINEER

KY 146 AND N. ENGLISH STATION RD (LINK)
 WATER MAIN RELOCATION
 LEGEND

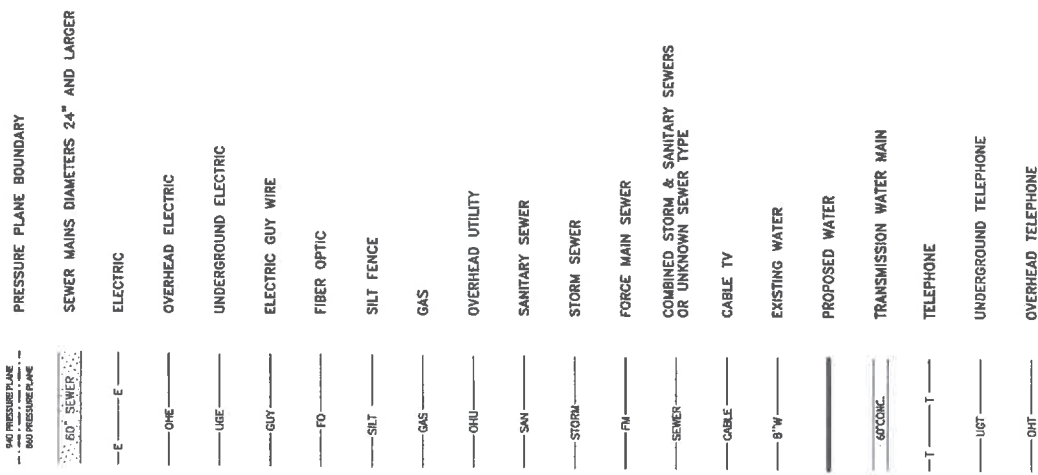
DATE	12-01-20	SCALE	NONE	MAP NO.	NONE
DRAWN BY	E.SCHMIDT	CHECKED BY	D.TEGENE	ENGR.	M.MEYER
PROJECT NUMBER	16069	SHEET			U2
TASK NUMBER	04				

**** NOT ALL NOTES AND DESIGNATIONS ARE APPLICABLE ****

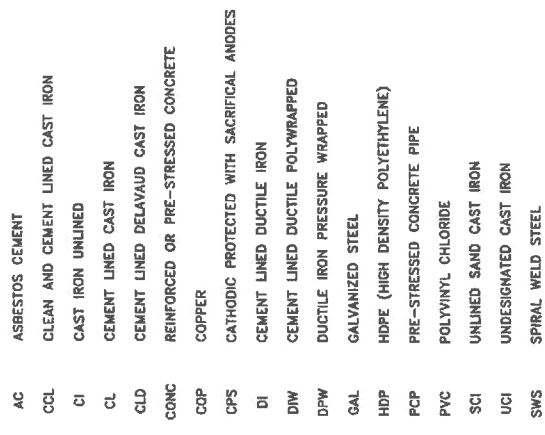
SYMBOLOLOGY



UTILITY LINE TYPES



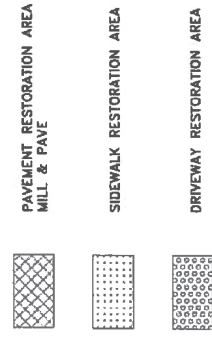
PIPE TYPES



GENERAL NOTES

- THESE DRAWINGS ARE FOR L.W.C. WORK ONLY - UTILITIES LOCATIONS ARE SHOWN FROM AVAILABLE INFORMATION AND ARE APPROXIMATE. CONTRACTORS ARE URGED TO MAKE THEIR OWN DETERMINATION OF EXACT LOCATIONS.
- THIS PROJECT HAS BEEN APPROVED IN ACCORDANCE WITH KDOOW AGREED ORDER NO. DOW-WL09001 OR IT HAS BEEN SUBMITTED TO KDOOW FOR APPROVAL AND IS VALID FOR 2-YEARS FROM DATE OF THE DESIGNATED PLAN REVIEWER CERTIFICATION, DURING WHICH TIME PROJECT CONSTRUCTION SHALL BEGIN.
- BASE MAP INFORMATION DERIVED FROM PLANIMETRIC AND TOPOGRAPHIC DATA FROM LOUISVILLE/ JEFFERSON COUNTY INFORMATION CONSORTIUM. (LOJIC)
- JEFFERSON COUNTY PROPERTY DATA SHOWN ON THIS MAP WAS DIGITIZED FROM PVA BLOCK MAPS, ADJUSTED TO LOJIC PLANIMETRIC MAP DATA AND HAS BEEN UPDATED FROM PVA RECORDS. THE PROPERTY DATA DOES NOT SUPERSEDE DEED RECORDS AND SHOULD NOT BE USED FOR PURPOSES OTHER THAN GENERAL PROPERTY REFERENCE AND IDENTIFICATION.
- WHEN ABANDONING EXISTING GATE VALVES, REMOVE OPERATOR NUT, KEYTUBE, ROUND TOP & LD AND BACKFILL WITH EITHER CONCRETE OR ASPHALT.
- MAINTAIN 18" VERTICAL CLEARANCE BETWEEN WATER MAIN AND DRAINAGE / SEWER LINES.
- CONTRACTOR WILL BE RESPONSIBLE TO BRACE OR PROTECT ANY UTILITY POLES IN ORDER TO COMPLETE CONSTRUCTION OF WATER MAIN AT ITS DESIGNED LOCATION AT THE CONTRACTORS EXPENSE. ALL NECESSARY WORK TO COMPLETE THIS TASK IN A SAFE MANNER SHALL BE INCLUDED IN THE CONTRACTORS ORIGINAL BID.
- ALL MATERIAL, EXCEPT METERS, SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- SUPPLY AND TRANSFER, RENEW, RELOCATE AND/OR DISCONTINUE 5 CUSTOMER SERVICES.
- DRIVEWAY REPAIR:
 - A. ASPHALT - REPAVE FROM STREET TO EDGE OF EASEMENT.
 - B. CONCRETE - POUR FROM STREET TO 1st EXPANSION JOINT BEYOND TRENCH CUT.

RESTORATION



ROCK SOUNDINGS



SUMMARY OF QUANTITIES

Bid Item No.	Item Description	Units	Quantity
14039	W PIPE DUCTILE IRON 12 INCH	LF	200
14062	W PIPE PVC 12 INCH	LF	255
14108	W VALVE 12 INCH	EA	1
14097	W TIE-IN 12 INCH	EA	3
14152	W SERV COPPER SHORT SIDE 3/4 IN	EA	5
14031	W METER VAULT	EA	5
14074	W PLUG EXISTING MAIN	EA	3
14030	W METER RELOCATE	EA	5
14019	W FIRE HYDRANT ASSEMBLY	EA	1
14021	W FIRE HYDRANT REMOVE	EA	1
14158	W BLOWOFF ASSEMBLY	EA	1



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N. ENGLISH STATION RD (LINAK)
 WATER MAIN RELOCATION
 LEGEND

DATE: 12-01-20 SCALE: NONE MAP NO.: NONE
 DRAWN BY: E.SCHMIDT CHECKED BY: D.TEGENE ENGR. M.MEYER
 PROJECT NUMBER: 16069 SHEET: 04
 TASK NUMBER: 04

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