



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

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

March 15, 2022

CALL NO. 103  
CONTRACT ID NO. 221017  
ADDENDUM # 1

Subject: Hancock County, STP 0602(017)  
Letting March 24, 2022

- (1) Revised - Proposal Bid Items - Pages 727-730(a) of 730
- (2) Revised - Plan Sheets, R1, 0008, 0009, 0016, 0017, and 0018

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

**PROPOSAL BID ITEMS**

221017

Page 1 of 5

Report Date 3/15/22

**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	27,823.00	TON		\$	
0020	00190		LEVELING & WEDGING PG64-22	820.00	TON		\$	
0030	00214		CL3 ASPH BASE 1.00D PG64-22	24,165.00	TON		\$	
0040	00324		CL3 ASPH SURF 0.50B PG64-22	5,756.00	TON		\$	
0050	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	63.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0060	00078		CRUSHED AGGREGATE SIZE NO 2	2,675.00	TON		\$	
0070	01000		PERFORATED PIPE-4 IN	30,169.00	LF		\$	
0080	01010		NON-PERFORATED PIPE-4 IN	520.00	LF		\$	
0090	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0100	01020		PERF PIPE HEADWALL TY 1-4 IN	3.00	EACH		\$	
0110	01024		PERF PIPE HEADWALL TY 2-4 IN	3.00	EACH		\$	
0120	01028		PERF PIPE HEADWALL TY 3-4 IN	21.00	EACH		\$	
0130	01032		PERF PIPE HEADWALL TY 4-4 IN	24.00	EACH		\$	
0140	01740		CORED HOLE DRAINAGE BOX CON-4 IN	1.00	EACH		\$	
0150	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	11.00	EACH		\$	
0160	02058		REMOVE PCC PAVEMENT	6,582.00	SQYD		\$	
0170	02091		REMOVE PAVEMENT	112.00	SQYD		\$	
0180	02159		TEMP DITCH	7,814.00	LF		\$	
0190	02160		CLEAN TEMP DITCH	3,907.00	LF		\$	
0200	02200		ROADWAY EXCAVATION	68,587.00	CUYD		\$	
0210	02242		WATER	2,960.00	MGAL		\$	
0220	02351		GUARDRAIL-STEEL W BEAM-S FACE	637.50	LF		\$	
0230	02369		GUARDRAIL END TREATMENT TYPE 2A	3.00	EACH		\$	
0240	02381		REMOVE GUARDRAIL	1,172.00	LF		\$	
0250	02391		GUARDRAIL END TREATMENT TYPE 4A	3.00	EACH		\$	
0260	02429		RIGHT-OF-WAY MONUMENT TYPE 1	9.00	EACH		\$	
0270	02432		WITNESS POST	9.00	EACH		\$	
0280	02483		CHANNEL LINING CLASS II	1,524.00	TON		\$	
0290	02484		CHANNEL LINING CLASS III	47.00	TON		\$	
0300	02545		CLEARING AND GRUBBING 61.96 ACRES	1.00	LS		\$	
0310	02562		TEMPORARY SIGNS	303.00	SQFT		\$	
0320	02585		EDGE KEY	577.00	LF		\$	
0330	02602		FABRIC-GEOTEXTILE CLASS 1	2,476.00	SQYD		\$	
0340	02603		FABRIC-GEOTEXTILE CLASS 2	7,888.00	SQYD		\$	
0350	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	4,009.00	SQYD	\$2.00	\$	\$8,018.00
0360	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0370	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0380	02696		SHOULDER RUMBLE STRIPS	29,292.00	LF		\$	
0390	02701		TEMP SILT FENCE	7,814.00	LF		\$	
0400	02703		SILT TRAP TYPE A	62.00	EACH		\$	

**PROPOSAL BID ITEMS**

221017

Page 2 of 5

Report Date 3/15/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02704		SILT TRAP TYPE B	62.00	EACH		\$	
0420	02705		SILT TRAP TYPE C	62.00	EACH		\$	
0430	02706		CLEAN SILT TRAP TYPE A	62.00	EACH		\$	
0440	02707		CLEAN SILT TRAP TYPE B	62.00	EACH		\$	
0450	02708		CLEAN SILT TRAP TYPE C	62.00	EACH		\$	
0460	02709		CLEAN TEMP SILT FENCE	7,814.00	LF		\$	
0470	02726		STAKING	1.00	LS		\$	
0480	02775		ARROW PANEL	2.00	EACH		\$	
0490	05950		EROSION CONTROL BLANKET	14,459.00	SQYD		\$	
0500	05952		TEMP MULCH	200,924.00	SQYD		\$	
0510	05953		TEMP SEEDING AND PROTECTION	149,943.00	SQYD		\$	
0520	05963		INITIAL FERTILIZER	9.30	TON		\$	
0530	05964		MAINTENANCE FERTILIZER	15.50	TON		\$	
0540	05985		SEEDING AND PROTECTION	299,886.00	SQYD		\$	
0550	05992		AGRICULTURAL LIMESTONE	185.90	TON		\$	
0560	06406		SBM ALUM SHEET SIGNS .080 IN	636.20	SQFT		\$	
0570	06407		SBM ALUM SHEET SIGNS .125 IN	277.50	SQFT		\$	
0580	06410		STEEL POST TYPE 1	1,250.00	LF		\$	
0590	06510		PAVE STRIPING-TEMP PAINT-4 IN	37,418.00	LF		\$	
0600	06568		PAVE MARKING-THERMO STOP BAR-24IN	237.00	LF		\$	
0610	06574		PAVE MARKING-THERMO CURV ARROW	8.00	EACH		\$	
0620	06592		PAVEMENT MARKER TYPE V-B W/R	117.00	EACH		\$	
0630	10020NS		FUEL ADJUSTMENT	69,721.00	DOLL	\$1.00	\$	\$69,721.00
0640	10030NS		ASPHALT ADJUSTMENT	120,185.00	DOLL	\$1.00	\$	\$120,185.00
0650	21289ED		LONGITUDINAL EDGE KEY	3,779.00	LF		\$	
0660	24631EC		BARCODE SIGN INVENTORY	131.00	EACH		\$	
0670	24814EC		PIPELINE INSPECTION	1,152.00	LF		\$	
0680	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W	19,883.00	LF		\$	
0690	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y	14,896.00	LF		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0700	00440		ENTRANCE PIPE-15 IN	33.00	LF		\$	
0710	00462		CULVERT PIPE-18 IN	430.00	LF		\$	
0720	00464		CULVERT PIPE-24 IN	368.00	LF		\$	
0730	00466		CULVERT PIPE-30 IN	138.00	LF		\$	
0740	00522		STORM SEWER PIPE-18 IN	21.00	LF		\$	
0750	00524		STORM SEWER PIPE-24 IN	187.00	LF		\$	
0760	00526		STORM SEWER PIPE-30 IN	8.00	LF		\$	
0770	01310		REMOVE PIPE	496.00	LF		\$	
0780	01490		DROP BOX INLET TYPE 1	8.00	EACH		\$	
0790	01493		DROP BOX INLET TYPE 2	2.00	EACH		\$	
0800	01650		JUNCTION BOX	7.00	EACH		\$	
0810	02625		REMOVE HEADWALL	37.00	EACH		\$	
0820	26131ED		SLOPED AND MITERED HEADWALL-18 IN	11.00	EACH		\$	
0830	26132ED		SLOPED AND MITERED HEADWALL-24 IN	9.00	EACH		\$	
0840	26133ED		SLOPED AND MITERED HEADWALL-30 IN	4.00	EACH		\$	

**PROPOSAL BID ITEMS**

221017

Page 3 of 5

Report Date 3/15/22

**Section: 0004 - BRIDGE-CULVERT-28432**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	02625		REMOVE HEADWALL	2.00	EACH		\$	
0860	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0870	08100		CONCRETE-CLASS A	153.10	CUYD		\$	
0880	08150		STEEL REINFORCEMENT	23,744.00	LB		\$	

**Section: 0005 - BRIDGE-CULVERT-28433**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0890	02403		REMOVE CONCRETE MASONRY	6.00	CUYD		\$	
0900	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0910	08100		CONCRETE-CLASS A	16.80	CUYD		\$	
0920	08150		STEEL REINFORCEMENT	1,910.00	LB		\$	

**Section: 0006 - BRIDGE-CULVERT-28434**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	02403		REMOVE CONCRETE MASONRY	11.80	CUYD		\$	
0940	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0950	08100		CONCRETE-CLASS A	41.70	CUYD		\$	
0960	08150		STEEL REINFORCEMENT	4,477.00	LB		\$	

**Section: 0007 - BRIDGE-CULVERT-28435**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0970	02403		REMOVE CONCRETE MASONRY	11.60	CUYD		\$	
0980	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0990	08100		CONCRETE-CLASS A	47.60	CUYD		\$	
1000	08150		STEEL REINFORCEMENT	6,206.00	LB		\$	

**Section: 0008 - UTILITY-GAS**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1010	02259		FENCE-TEMP	3,000.00	LF		\$	
1020	14074		W PLUG EXISTING MAIN 3 WAY TEE FITTING	8.00	EACH		\$	
1030	14074		W PLUG EXISTING MAIN FACTOR 0.32	80.00	EACH		\$	
1040	16022		G PIPE SPECIAL 1 IN	80.00	LF		\$	
1050	16022		G PIPE SPECIAL 3/4 IN (1.05"OD X 0.154 W.T., API-5L, SCH 80, 12-14 MILS FBE) REV 3-15-22	226.00	LF		\$	

**PROPOSAL BID ITEMS**

221017

Page 4 of 5

Report Date 3/15/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1052	16022		G PIPE SPECIAL (3/4 IN 1.05"OD X 0.154W.T.,API-5L,SCH80,12-14 MILS FBE,20 MILS ARO) ADD 3-15-22	74.00	LF		\$	
1055	16022		G PIPE SPECIAL (04 INCH 4.5"OD X0.188W.T.,API-5L GR.Z-42,12-14 MILS FBE,30MILS ARO) ADD 3-15-22	199.00	LF		\$	
1060	16023		G PIPE STEEL 02 INCH	40.00	LF		\$	
1070	16025		G PIPE STEEL 04 INCH (4.5" OD X 0.188 W.T., API-5L, GR. X-42, 12-14 MILS FBE, 30 MILS) REV 3-15-22	11,930.00	LF		\$	
1080	16030		G REGULATOR STATION	1.00	EACH		\$	
1090	16030		G REGULATOR STATION PLATE ASSEMBLY	8.00	EACH		\$	
1100	16040		G SERVICE SPECIAL 3/4 IN	7.00	EACH		\$	
1110	16040		G SERVICE SPECIAL REDUCER 2 X 1	3.00	EACH		\$	
1120	16040		G SERVICE SPECIAL REDUCER 2 X 3/4	7.00	EACH		\$	
1130	16040		G SERVICE SPECIAL TEE 4 X 2	10.00	EACH		\$	
1140	16057		G VALVE STEEL 02 INCH	1.00	EACH		\$	
1150	16059		G VALVE STEEL 04 INCH	1.00	EACH		\$	
1160	16076		G SPECIAL ITEM 45 DEG	24.00	EACH		\$	
1170	16076		G SPECIAL ITEM 90 DEG	2.00	EACH		\$	
1180	16111		G VALVE STEEL 01 INCH	3.00	EACH		\$	
1185	23020EN		TRIM AND REMOVE TREES AND BRUSH (ADDED 3-15-2022)	.75	ACRE		\$	

**Section: 0009 - WATERLINE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1190	14003		W CAP EXISTING MAIN	8.00	EACH		\$	
1200	14006		W ENCASMENT STEEL BORED RANGE 1	145.00	LF		\$	
1210	14007		W ENCASMENT STEEL BORED RANGE 2	240.00	LF		\$	
1220	14010		W ENCASMENT STEEL BORED RANGE 5	120.00	LF		\$	
1230	14012		W ENCASMENT STEEL OPEN CUT RANGE 1	20.00	LF		\$	
1240	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
1250	14023		W FLUSHING ASSEMBLY	2.00	EACH		\$	
1260	14058		W PIPE PVC 04 INCH	1,200.00	LF		\$	
1270	14061		W PIPE PVC 10 INCH	614.00	LF		\$	
1280	14077		W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH		\$	
1290	14079		W SERV PE/PLST LONG SIDE 2 IN	1.00	EACH		\$	
1300	14089		W TAPPING SLEEVE AND VALVE SIZE 1	4.00	EACH		\$	
1310	14090		W TAPPING SLEEVE AND VALVE SIZE 2	3.00	EACH		\$	
1320	14096		W TIE-IN 10 INCH	1.00	EACH		\$	
1330	14107		W VALVE 10 INCH	2.00	EACH		\$	

### PROPOSAL BID ITEMS

221017

Page 5 of 5

Report Date 3/15/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1340	14131		W METER SPECIAL	2.00	EACH		\$	

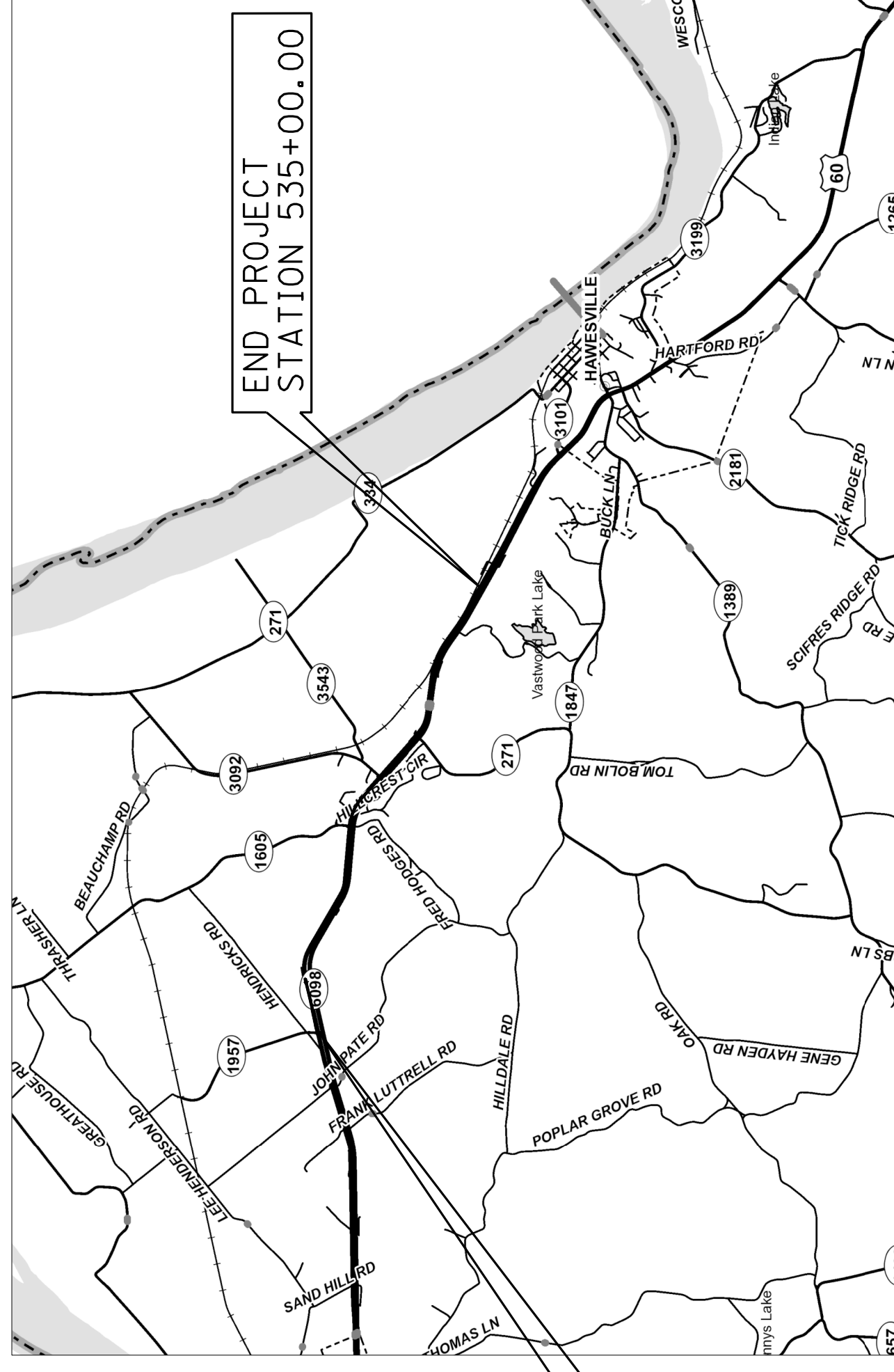
#### Section: 0010 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	02568		MOBILIZATION	1.00	LS		\$	
1360	02569		DEMOBILIZATION	1.00	LS		\$	

# Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

## PLANS OF PROPOSED PROJECT US 60 WIDENING WESTBOUND LANES

FD52 046 0060 001-009  
STP 0602(017)



### LAYOUT MAP

#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R2 - R24	LAYOUT SHEETS
R25 - R28	PROFILES
R29 - R36	PLAN AND PROFILE SHEETS
R37 - R44	RIGHT OF WAY SUMMARY SHEETS
R45 - R50	EROSION CONTROL SHEETS
R51 - R56	TRAFFIC CONTROL SHEETS
R57 - R62	COORDINATE CONTROL SHEETS
R63 - R71	SOIL PROFILE SHEETS
R72 - R85	PIPE DRAINAGE SHEETS
SI - S33	STRUCTURE PLANS
TI - T16	TRAFFIC PLANS
UE00-UE09	UTILITY PLANS (WATERLINE)
0007-0023	UTILITY PLANS (GAS)
XI-X93	CROSS SECTION SHEETS

#### SHEETS NOT INCLUDED IN TOTAL SHEETS

R2A - R2H

#### STANDARD DRAWINGS

NUMBER	DESCRIPTION
RBI-001-10	RBI-100-05
RBR-001-12	RBP-001-06
RBR-005-11	RDP-005-05
RBR-015-05	RDP-006-04
RBR-025-05	RDP-007-04
RBR-035-11	RDP-010-09
RDB-001-12	RDX-002-04
RDB-002-12	RDX-210-03
RDI-001-10	RDX-215-01
RDI-002-05	RDX-220-05
RDI-020-09	RDX-225-01
RDI-025-05	RDX-300-04
RDI-026-01	RGS-001-07
RDI-040-01	RGX-001-06
RDI-041-01	RGX-005-06
	RGX-010-04
	RPM-100-07
	TPM-100-03
	TPM-105-03
	TPM-110-03
	TPM-165-03
	TTC-140-03
	TTC-141-03
	TTC-145-03
	TTC-146-03
	TTC-185-02
	TTD-120-02
	TTD-125-02

#### DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	495 FT.
REQUIRED PSD	1,985 FT.
LEVEL OF SERVICE	
ADT PRESENT ( 2018 )	9,383
ADT FUTURE ( )	
DHV	
D %	
T %	

#### GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 55 MINUTES 10 SECONDS NORTH  
LONGITUDE 86 DEGREES 48 MINUTES 10 SECONDS WEST

#### DESIGNED

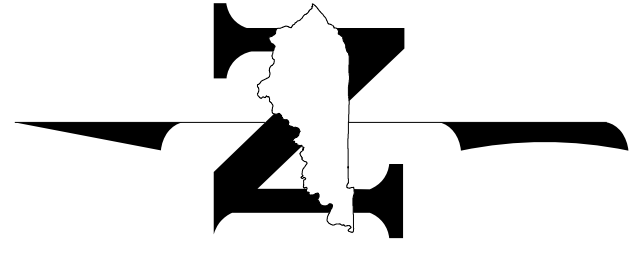
% RESTRICTED SD \_\_\_\_\_

LEVEL OF SERVICE \_\_\_\_\_

MAX. DISTANCE W/O PASSING \_\_\_\_\_

LENGTH ADDED	LENGTH DEDUCTED	FOR EQUALITIES NOT INCLUDED	FOR EQUALITIES NOT INCLUDED	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	BRIDGES	BRIDGES	MILES	MILES	LENGTH	FOR EQUALITIES	FOR EQUALITIES	NOT INCLUDED	NOT INCLUDED	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	BRIDGES	BRIDGES	MILES	MILES	
15.628	34							2.953													

COUNTY OF	ITEM NO.	SHEET NO.
HANCOCK	2-226	R1

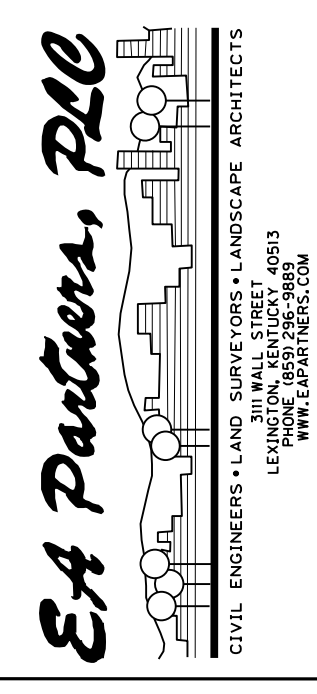


THIS PROJECT IS OFF THE NH SYSTEM

THESE PLANS ARE FOR GRADE, DRAIN & SURFACING

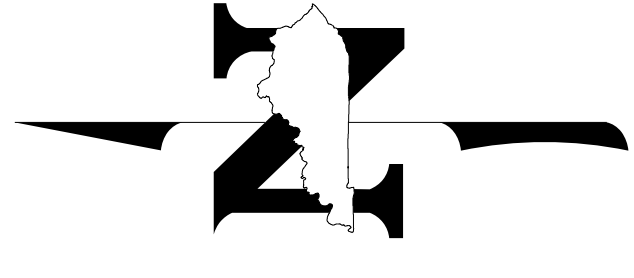
THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

Commonwealth of Kentucky  
DEPARTMENT OF HIGHWAYS  
COUNTY OF  
HANCOCK



ITEM NO. 2-226  
PROJECT FD52 046 0060 001-009  
NUMBER: STP 0602(017)  
LETTING DATE: \_\_\_\_\_  
RECOMMENDED BY: LARRY KREUGER, P.E.  
PROJECT MANAGER  
DATE: 02-03-2022  
PLAN APPROVED BY: *John Ballinger*  
STATE HIGHWAY ENGINEER  
DATE: 03-02-2022

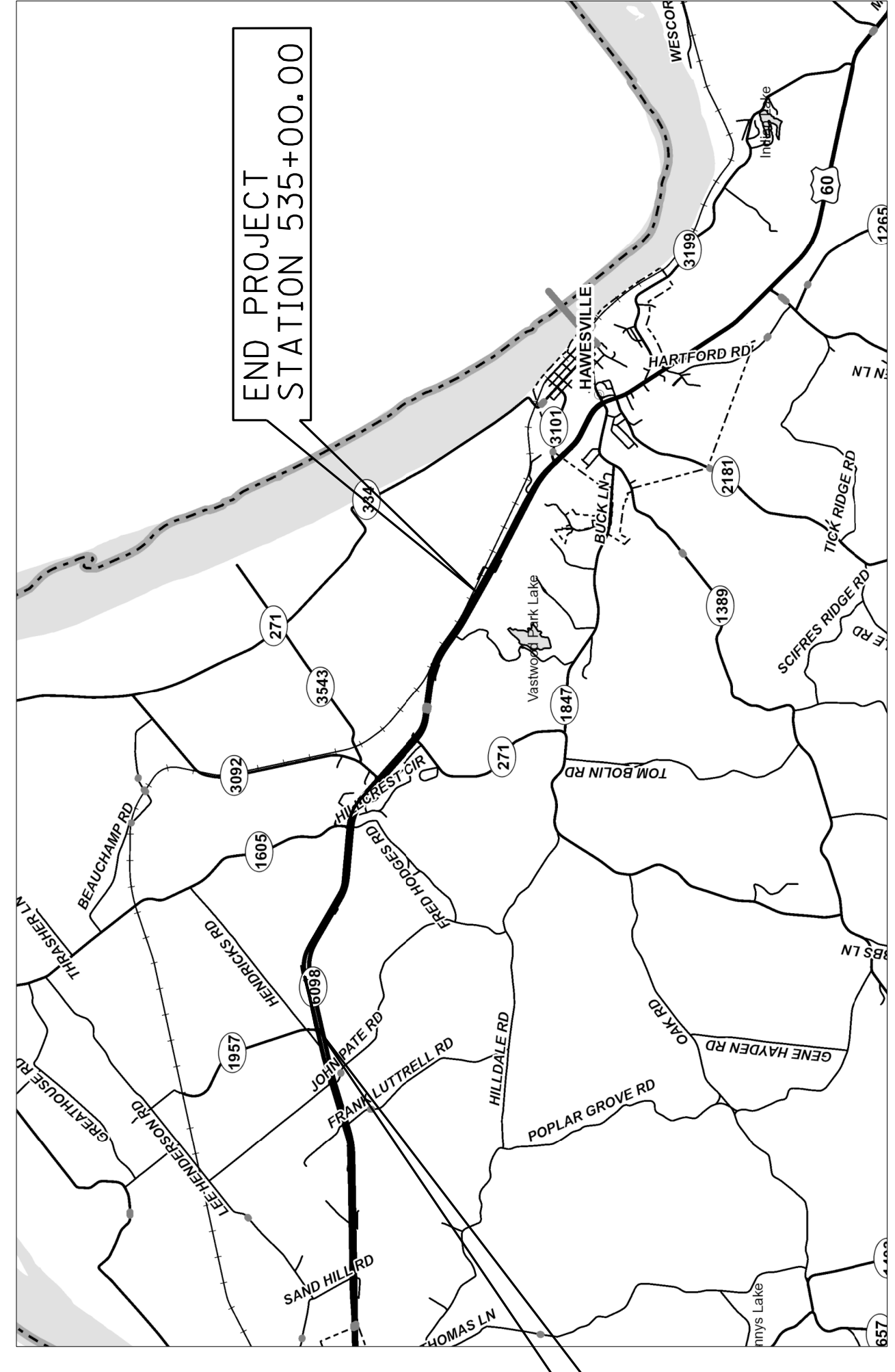
COUNTY OF	ITEM NO.	SHEET NO.
HANCOCK	2-226	R1



# Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

## PLANS OF PROPOSED PROJECT US 60 WIDENING WESTBOUND LANES

FD52 046 0060 001-009  
STP 0602(017)



BEGIN PROJECT  
STATION 340+00.00

END PROJECT  
STATION 535+00.00

THIS PROJECT IS OFF THE NH SYSTEM

THESE PLANS ARE FOR  
GRADE, DRAIN & SURFACING

THE CONTROL OF ACCESS ON THIS  
PROJECT SHALL BE BY PERMIT

USER: jeann.jones	DATE PLOTTED: February 15, 2022	E-SHEET NAME: R00100LS	MicroStation v8.11.9.229
<b>DESIGN CRITERIA</b> CLASS OF HIGHWAY RURAL ARTERIAL TYPE OF TERRAIN ROLLING DESIGN SPEED 55 MPH REQUIRED NPSD 495 FT. REQUIRED PSD 1,985 FT. LEVEL OF SERVICE ADT PRESENT ( 2018 ) 9,383 ADT FUTURE (     ) DHV D % T %		<b>GEOGRAPHIC COORDINATES</b> LATITUDE 37 DEGREES 55 MINUTES 10 SECONDS NORTH LONGITUDE 86 DEGREES 48 MINUTES 10 SECONDS WEST  <b>DESIGNED</b> % RESTRICTED SD LEVEL OF SERVICE MAX. DISTANCE W/O PASSING	

SHEET NO.	DESCRIPTION
R2 - R24	LAYOUT SHEETS-SUMMARY OF QUANTITIES
R3 - R28	TOTAL SECTION-SUMMARY SHEETS
R29 - R36	PLAN AND PROFILE SHEETS
R37 - R44	RIGHT OF WAY SUMMARY SHEETS
R45 - R50	EROSION CONTROL SHEETS
R51 - R56	TRAFFIC CONTROL SHEETS
R57 - R62	COORDINATE CONTROL SHEETS
R63 - R71	SOIL PROFILE SHEETS
R72 - R85	PIPE DRAINAGE SHEETS
S1 - S33	STRUCTURE PLANS
T1 - T16	TRAFFIC PLANS
UE00-UE09	UTILITY PLANS (WATERLINE)
0007-0023	UTILITY PLANS (GAS)
AT-333	GRASS SECTION SHEETS

NUMBER	STANDARD DRAWINGS
RBI-001-10	RBI-100-05
RBR-001-12	RBR-001-06
RBR-005-11	RDP-005-05
RBR-015-05	RDP-006-04
RBR-025-05	RDP-007-04
RBR-035-11	RDP-010-09
RBR-001-12	RDP-002-04
RDB-001-12	RDX-210-03
RDB-002-12	RDX-215-01
RDI-001-10	RDX-220-05
RDI-002-05	RDX-225-01
RDI-020-09	RDX-235-01
RDI-025-05	RDX-300-04
RDI-028-01	RGS-001-07
RDI-040-01	RGX-001-06
RDI-041-01	RGX-005-06
	RGX-010-04
	RPM-100-07
	TPM-100-03
	TPM-105-03
	TPM-110-03
	TPM-165-03
	TTC-140-03
	TTC-141-03
	TTC-145-03
	TTC-146-03
	TTC-185-02
	TTC-185-02
	TTC-190-02
	TTC-195-02
	TTC-195-02

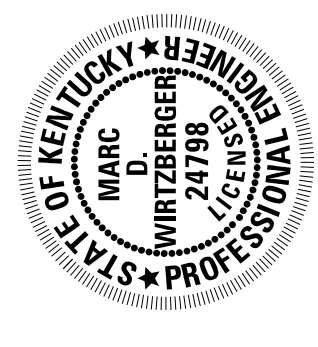
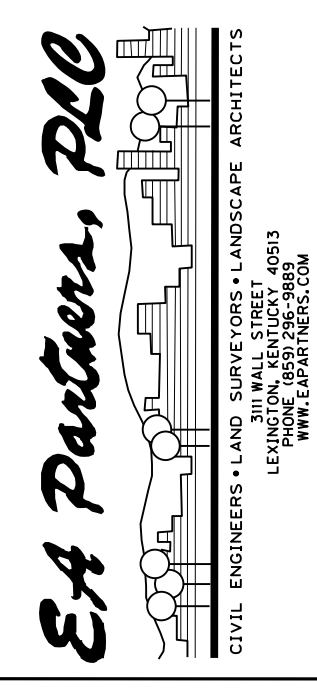
SHEETS NOT INCLUDED IN TOTAL SHEETS
R2A - R2H



### LAYOUT MAP

ITEM NO. 2-226  
PROJECT FD52 046 0060 001-009  
NUMBER: STP 0602(017)  
LETTING DATE: \_\_\_\_\_  
RECOMMENDED BY: LARRY KREUGER, P.E.  
PROJECT MANAGER  
DATE: 02-03-2022  
PLAN APPROVED BY: *John Ballinger*  
STATE HIGHWAY ENGINEER  
DATE: 03-02-2022

Commonwealth of Kentucky  
DEPARTMENT OF HIGHWAYS  
COUNTY OF  
HANCOCK



DECEMBER 15, 2021



CATHODIC PROTECTION TEST STATION SCHEDULE		
Test Station No.	Stationing	Sheet Reference
1	340+05	1000
2	391+70	1002
3	446+70	1004
4	498+50	1006

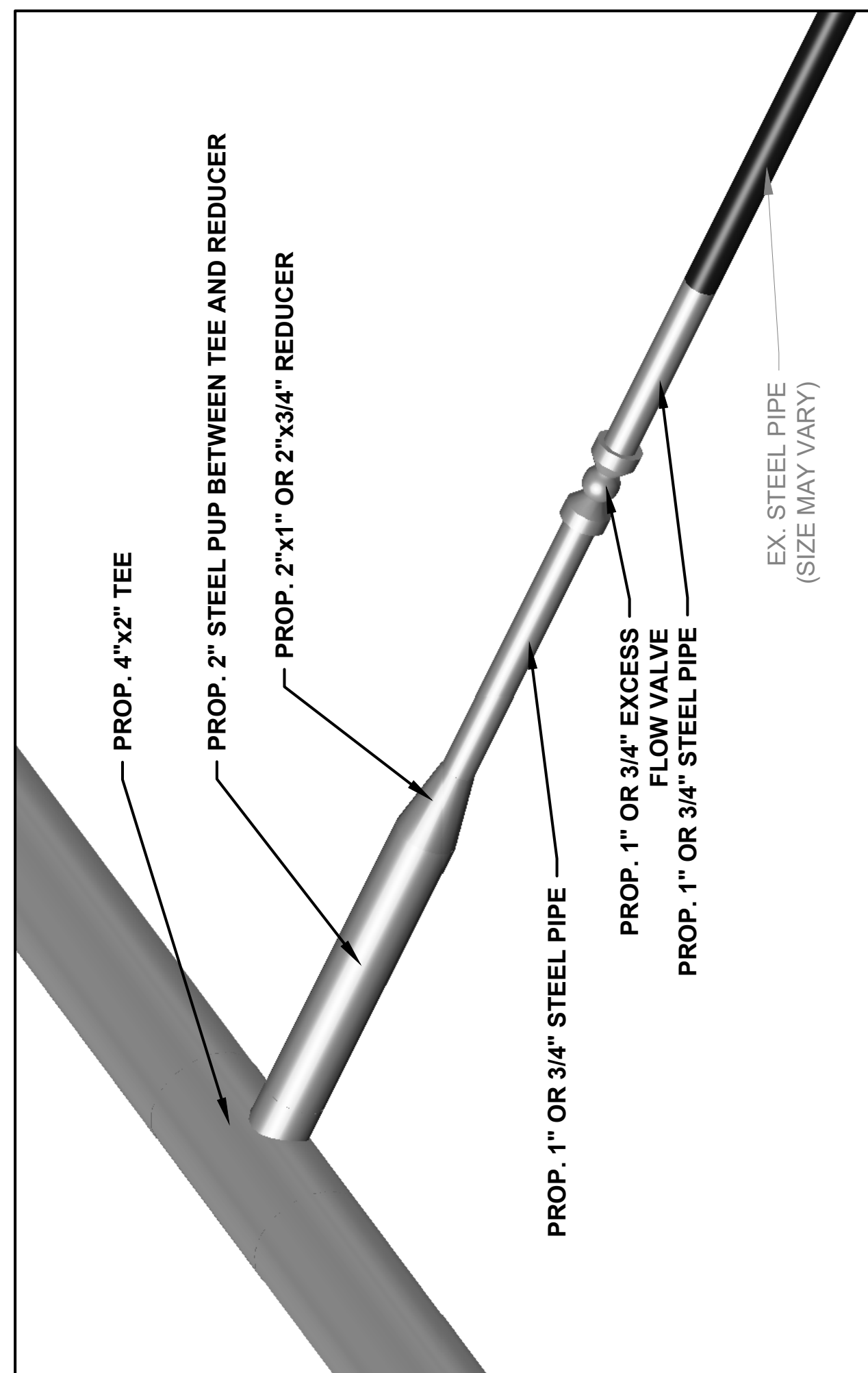
HYDROTEST TABLE			
Test Segment	Beg. Sta.	End Sta.	Test Pressure
1	339+66	348+95	250 psig
2	375+05	418+91	300 psig
3	442+00	468+68	300 psig
4	498+44	539+94	300 psig

Sheet List Table			
SHT NO.	IDWG. NO.	SHEET TITLE	REV DATE
GENERAL			
0007	011	COVER	2 2/8/2022
0008	012	INDEX	4 3/10/2022
0009	013	INDEX	4 3/10/2022
PIPELINE			
0010	014	ALIGNMENT	2 2/8/2022
0011	015	ALIGNMENT	2 2/8/2022
0012	016	ALIGNMENT	2 2/8/2022
0013	017	ALIGNMENT	2 2/8/2022
0014	018	ALIGNMENT	2 2/8/2022
0015	019	ALIGNMENT	2 2/8/2022
0016	020	ALIGNMENT	3 3/10/2022
0017	021	ALIGNMENT	3 3/10/2022
0018	022	ALIGNMENT	3 3/10/2022
STA 498+40 TO 500+40			
0019	023	US 60 PLAN AND PROFILE	2 2/8/2022
STA 538+00 TO 540+00			
0020	024	US 60 PLAN AND PROFILE	2 2/8/2022
DETAILS & BOM			
0021	025	PIPE WELD PLATE DETAIL	2 2/8/2022
0022	026	REG STATION SECTION	2 2/8/2022
0023	027	TEST STATION DETAIL	2 2/8/2022

MAOP - 200 P.S.I.G.  
 DESIGN PRESSURE - 2527 P.S.I.G. NORMAL LAY, 2106 P.S.I.G. FOR ROAD CROSSINGS  
 PER ASME - 31.4  
 $P = (2 \cdot S \cdot D) / E \cdot T$   
 P: DESIGN PRESSURE  
 S: ALLOWABLE STRESS - 42,000 PSI (SYMS)  
 t: WALL THICKNESS - 0.188 INCH  
 D: OUTSIDE DIAMETER - 4.5 INCH  
 E: DESIGN FACTOR - 0.72 MIN, 0.6 MIN FOR ROAD CROSSINGS  
 F: LONGITUDINAL JOINT FACTOR, ERW/SAWH-1.0  
 T: TEMPERATURE DERATING FACTOR - 1.0

GENERAL NOTES:

- TO INSTALL VIA THE OPEN CUT METHOD.
- CONTRACTOR TO VERIFY DEPTHS OF COVER FOR ALL PIPELINE CROSSINGS PRIOR TO EXCAVATION.
- REQUIRED CLEARANCE OF EXISTING PIPELINES AND/OR UTILITIES WILL BE A MINIMUM OF 2 FEET.
- RIGHT-OF-WAY GRADING OR VEGETATION CLEARING WILL OCCUR AS NEEDED.
- WATER/SEWER/SEPTIC DEPICTIONS ARE NOT BASED UPON ASBUILT INFORMATION AND NEED TO BE FIELD VERIFIED.
- CONTRACTOR TO CAP EXISTING LINE AT CUT POINTS AND PLUG NEW PIPELINE WHEN LEFT OVERNIGHT.
- CONTRACTOR SHALL BE RESPONSIBLE TO FIELD CHECK ALL SIZES, DIMENSIONS, LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- ALL FIELD JOINTS TO BE COATED TO EQUIVALENT MATCH OF PIPE COATING.
- MIN. DRY FILM THICKNESS OF 14-16 MILS.
- ANY DAMAGE TO PIPE COATING SHALL BE REPAIRED, IN ACCORDANCE WITH COMPANY SPECIFICATIONS.
- CONTRACTOR TO FIELD VERIFY ALL LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.
- CONTRACTOR SHALL RESTRICT ACCESS OF ALL EQUIPMENT AND WORK ACTIVITY ALONG THE PIPELINE ROUTE TO THE DESIGNATED WORK SPACE AND RIGHT OF WAY.
- CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS REQUIRED BY THE PIPELINE OPERATORS ENVIRONMENTAL POLICY AND PROCEDURES MANUAL.
- CONTRACTOR SHALL COMPLY WITH KENTUCKY ONE CALL REQUIREMENTS.
- CONTRACTOR SHALL INSTALL ALL APPROPRIATE EROSION/SEDIMENTATION CONTROLS PRIOR TO COMMENCEMENT OF REPLACEMENT ACTIVITIES.
- CONTRACTOR SHALL USE COLD CUTTING PROCEDURES WHEN MAKING FIELD CUTS OF EXISTING PIPELINE.
- CONTRACTOR IS FULLY RESPONSIBLE FOR RESTORATION & CLEAN UP TO LIKE OR BETTER CONDITION BEFORE CONSTRUCTION COMMENCEMENT.
- CONTRACTOR SHALL SUPPLY ALL FIELD BENDS UP TO 90 DEGREES EXCEPT WHEN SPECIFIED ON DRAWINGS.
- CONTRACTOR NOT TO EXCEED 45 DEGREE BENDS AT ALL TIE-IN LOCATIONS.
- TRENCH SHALL BE BACKFILLED TO THE PROPER GRADE WITH COMPACTED EARTH, SAND, FINE GRAVEL OR SIMILAR GRANULAR MATERIAL. PIPING SHALL NOT BE SUPPORTED ON ROCKS OR BLOCKS AT ANY POINT.
- DRAWINGS CONTAIN APPROXIMATE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR WILL DETERMINE DEPTH OF UNDERGROUND UTILITIES GROSSED BY PIPELINE PRIOR TO CONSTRUCTION.
- ALL BENDS LESS THAN OR EQUAL TO 22.5 DEGREES, BOTH HORIZONTAL AND VERTICAL, SHALL BE FIELD BENDS.



**1 FARM TAP CONNECTION DETAIL**  
 SCALE: N.T.S. QTY. 10

MAP LEGEND

STONE CONSTRUCTION ENTRANCE	PROPOSED TEMPORARY BRIDGE
PROPOSED TEMPORARY WORKSPACE	PROPOSED GRAVEL PAD
PROPOSED PERMANENT EASEMENT	PROPOSED SEED AREA
EXISTING PERMANENT EASEMENT	PERMANENT WORKSPACE ID
PROPOSED ABOVE GROUND RIGHTS	TEMPORARY WORKSPACE ID
WETLANDS	
EXISTING LINE MARKER	SILT FENCE
PROPOSED LINE MARKER	MAJOR CONTOUR
EXISTING TEST STATION	MINOR CONTOUR
PROPOSED TEST STATION	ACCESS ROAD
EXISTING ELECTRIC TOWER	PIPELINE (TO BE ABANDONED)
EXISTING UTILITY POLE	PIPELINE (TO BE REMOVED)
PROPOSED UTILITY POLE	PIPELINE (TO BE HYDROTESTED)
EXISTING TELEPHONE PEDESTAL	EXISTING PIPELINE
EXISTING GUY WIRE	NEW PIPELINE
EXISTING MISCELLANEOUS MANHOLE	EXISTING GAS
EXISTING SANITARY SEWER MANHOLE	EXISTING ELECTRIC
EXISTING STORM SEWER MANHOLE	EXISTING UG ELECTRIC
EXISTING STORM CURB INLET	EXISTING TELEPHONE
EXISTING STORM CURB BOX	EXISTING UG TELEPHONE
EXISTING WATER METER	EXISTING UG FIBER OPTIC
EXISTING WATER VALVE	EXISTING TREE LINE
EXISTING FIRE HYDRANT	EXISTING FENCE
EXISTING CAP	PROPOSED FENCE
PROPOSED CAP	EXISTING WATER MAIN
EXISTING GAS METER	PROPOSED WATER MAIN
EXISTING GAS CROSSOVER	EXISTING UNDERGROUND CABLE
PROPOSED GAS CROSSOVER	EXISTING SANITARY SEWER
EXISTING FARM TAP CROSSOVER	EXISTING STORM SEWER
CONTINUATION BREAK SYMBOL	EXISTING PAVED ROAD
EXISTING GAS VALVE	PROPOSED PAVED ROAD
PROPOSED GAS VALVE	EXISTING CULVERT
EXISTING REGULATOR STATION	EXISTING DITCH TOE
PROPOSED REGULATOR STATION	EXISTING DITCH TOP
EXISTING STOPPER/STOPPLE	EXISTING GUARDRAIL
PROPOSED STOPPER/STOPPLE	EXISTING RAILROAD
EXISTING REDUCER	EXISTING DITCH FLOW LINE
PROPOSED REDUCER	EXISTING EDGE OF WATER
ALIGNMENT PI	PROPERTY LINE
TBM# TEMP. BENCH MARK LOCATION	EXISTING ROAD RIGHT OF WAY
EXISTING SIGN	PROPOSED ROAD RIGHT OF WAY
MISCELLANEOUS SURVEY FEATURE	EXISTING TREE
HDD ENTRY/EXIT	EXISTING BUILDING
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TEE	

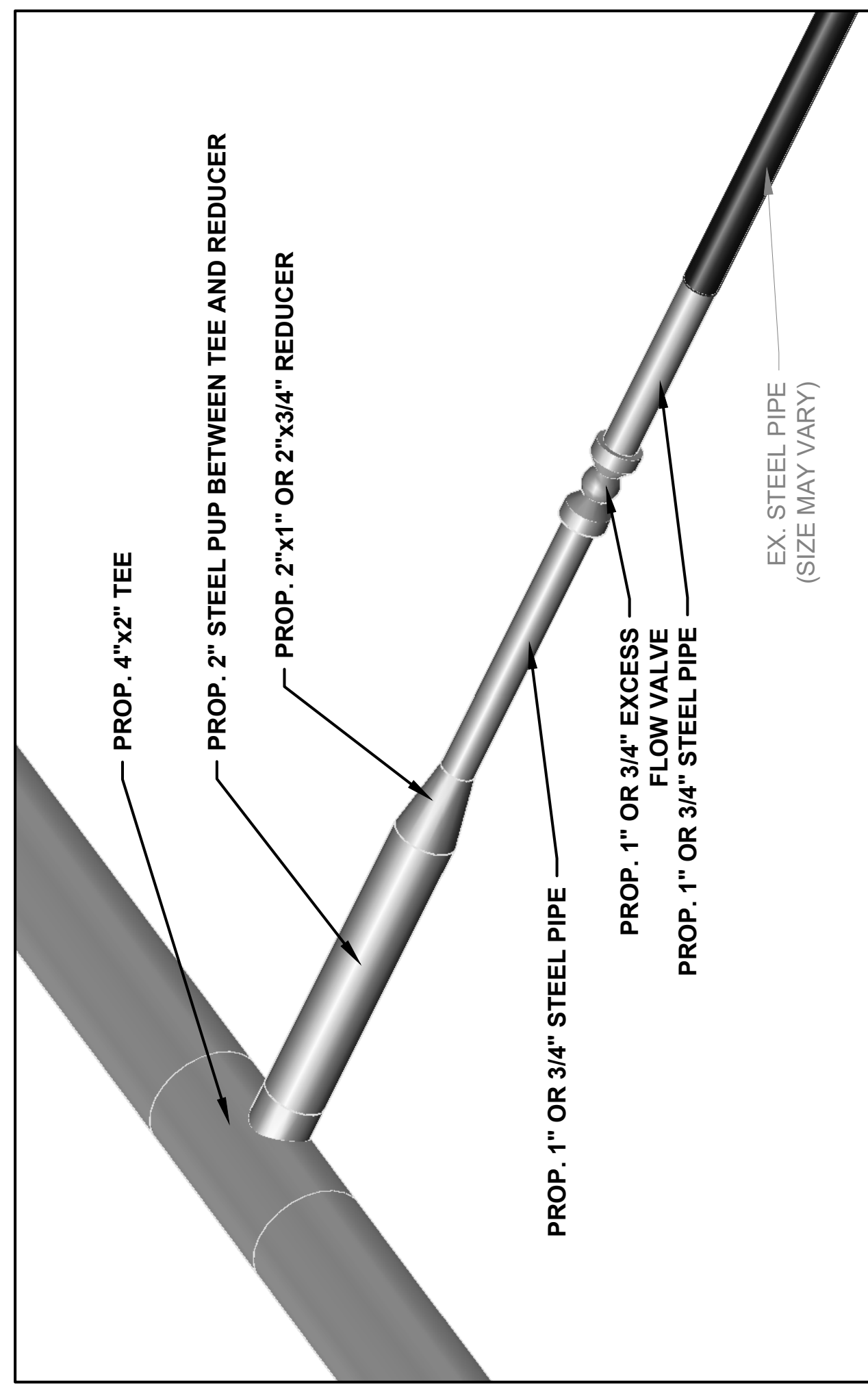
				<p>RE-ISSUED FOR CONSTRUCTION 3/10/2022</p>	
<p>DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION &amp; PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.</p>		<p>RE-ISSUED FOR CONSTRUCTION 3/10/2022</p>		<p>Know what's below. Call 811 before you dig.</p>	
<p>OPERATING CENTER: LEWISPORT</p>		<p>DIVISION: N/A</p>		<p>CITY OF LEWISPORT</p>	
<p>PROJECT#: 7298.0000</p>		<p>SCALE: N.T.S.</p>		<p>US 60 HIGHWAY EXPANSION GAS LINE RELOCATION GENERAL INDEX</p>	
<p>CITY / TOWNSHIP: LEWISPORT</p>		<p>COUNTY: HANCOCK</p>		<p>SHEET NO. 0008</p>	
<p>STATE: KY</p>		<p>ENSiteUSA DWG NO. 012</p>		<p>REV. 4</p>	

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PROPOSED RIGHT OF WAY MONUMENT	
SEGMENTABLE ELL	
TEE	
DEPTH OF EXISTING PIPE OBTAINED BY PROBING LABELS SHOWN IN RED ARE CRITICAL TIE IN DEPTHS	DEPTH OF EXISTING PIPE OBTAINED ELECTRONICALLY LABELS SHOWN IN RED ARE CRITICAL TIE IN DEPTHS



**1 FARM TAP CONNECTION DETAIL**  
 SCALE: N.T.S. QTY. 10

				RE-ISSUED FOR CONSTRUCTION 2/14/2022	
CITY OF LEWISPORT US 60 HIGHWAY EXPANSION GAS LINE RELOCATION GENERAL INDEX		OPERATING CENTER: LEWISPORT		DIVISION: N/A	
PROJECT#: 7298.0000 SCALE: N.T.S.		CITY / TOWNSHIP: LEWISPORT COUNTY: HANCOCK STATE: KY		SHEET NO. 0008 REV. 3	

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EXISTING SERVICE TAP STATION, SIZE, TYPE AND ESTIMATED REPLACEMENT PIPE LENGTH						
NO.	STATION	EXISTING INLET TYPE	INLET TYPE	OUTLET DISTRIBUTION TUBE SIZE	EXISTING TUBE TYPE	APPR. TUBE LENGTH
1	376+30 +/-	1"	Steel	2"	PLASTIC (PE)	5 FT
2	388+70 +/-	3/4"	Steel	2"	PLASTIC (PE)	5 FT
3	392+00 +/-	3/4"	Steel	3/4"	PLASTIC (PE)	5 FT
4	400+15 +/-	3/4"	Steel	3/4"	STEEL	35 FT
4	400+15 +/-	3/4"	Steel	3/4"	PLASTIC (PE)	35 FT
5	404+24 +/-	3/4"	Steel	3/4"	STEEL	25 FT
5	404+24 +/-	3/4"	Steel	3/4"	PLASTIC (PE)	25 FT
6	443+70 +/-	3/4"	Steel	3/4"	STEEL	10 FT
7	445+00 +/-	1"	Steel	3/4"	PLASTIC (PE)	10 FT
8	446+95 +/-	3/4"	Steel	3/4"	STEEL	5 FT
9	500+24 +/-	1"	Steel	1"	STEEL	5 FT
10	534+00 +/-	3/4"	Steel	3/4"	Unk.	600 FT

ITEM	ALUMINUM SHEET ITEM	DESCRIPTION	UNIT	ITEM TYPE	ITEM CLASS	SUPP DESC REQ'D	# UNITS
16025	Fence	FENCE-TEMP	LF	721	FENC	N	3000
16025	(1)	G PIPE STEEL 04 INCH - (4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FB)E	LF	UTLN	UTIL	N	11200
16022	(11)	G PIPE SPECIAL 04 INCH - (4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FB)E, 30 MILS ARO)	LF				199
16023		G PIPE STEEL 02 INCH - (2.375" OD X 0.154" W.T., API-5L, GR. X-40, 12-14 MILS FB)E	LF	UTLN	UTIL	N	40
16022	(10)	G PIPE SPECIAL 01 INCH - (1.315" OD X 0.179" W.T., API-5L, Sch 80, 12-14 MILS FB)E	LF	UTLN	UTIL	N	80
16022		G PIPE SPECIAL 3/4 INCH - (1.05" OD X 0.154" W.T., API-5L, Sch 80, 12-14 MILS FB)E	LF	UTLN	UTIL	N	226
16022	(12)	G PIPE SPECIAL 3/4 INCH - (1.05" OD X 0.154" W.T., API-5L, Sch 80, 12-14 MILS FB)E, 20 MILS ARO)	LF				74
14073		W PIPE POLYETHYLENE/PLASTIC - (02 INCH - PIPE, HDPE, 2", SDR 9, PE 3408, HD8 AT 73°F, W/DESIGN FACTOR 0.52)	LF	UTLN	UTIL	N	80
14074	(2)	W PLUG EXISTING MAIN - (LINE STOP FITTING, 3" X 4" NPS, MFR.:T.D. WILLIAMSON) MODEL: SHORTSTOP 3-WAY TEE FITTING, PART NO.: 26-0325-0304-01, ASME CLASS 150, PER ASME B31.8. TO INCLUDE COVER FLANGE W/GASKET, BOLTS, AND PLASTIC CAPPLUGS, COMPLETION PLUG, O-RING, AND TEE	EACH	UTLN	UTIL	N	8
16076		G SPECIAL ITEM (PLATE ASSEMBLY)	EACH	UTLN	UTIL	N	8
16030	(7)	G REGULATOR STATION (Reference RS Fabrication drawing for full BoM)	EACH	UTLN	UTIL	N	1
16040	(8)	G SERVICE SPECIAL (TEE, WELD, 4" X 2" Grade Y42)	EACH	UTLN	UTIL	N	10
16040	(9)	G SERVICE SPECIAL (REDUCER 2" X 1" Grade Y42)	EACH	UTLN	UTIL	N	3
16059	(6)	G SERVICE SPECIAL (REDUCER 2" X 3/4" Grade Y42)	EACH	UTLN	UTIL	N	7
16057	(5)	G VALVE STEEL 04 INCH, (Ballonex Ball Valve, ANSI 300)	EACH	UTLN	UTIL	N	1
16111		G VALVE STEEL 02 INCH, (Ballonex Ball Valve, ANSI 300)	EACH	UTLN	UTIL	N	1
16040		G VALVE STEEL 01 INCH, (Excess Flow Valve, ANSI 300)	EACH	UTLN	UTIL	N	3
16076	(3)	G SERVICE SPECIAL (3/4 INCH, Excess Flow Valve, ANSI 300)	EACH	UTLN	UTIL	N	7
16076	(4)	G SPECIAL ITEM (45° SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T.T, BACK BEVEL TO 0.188")	EACH	UTLN	UTIL	N	24
		G SPECIAL ITEM (90° SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T.T, BACK BEVEL TO 0.188")	EACH	UTLN	UTIL	N	2
	Subtotal Materials						
	LABOR						
16500		G DIRECTIONAL BORE INST	EACH	UTLN	UTIL	N	630
16048		G TIE-IN SPECIAL (Steel 4" Tees and 1" & 3/4" Reducers)	EACH	UTLN	UTIL	N	11
16535		G SERVICE RELOCATE INST (Relocation of 4 farm taps)	EACH	UTLN	UTIL	N	4
16578		G TIE-IN STEEL 04 INCH INST (Cup Cap, reuse existing main)	EACH	UTLN	UTIL	N	8
16107		G WELD X-RAY INSPECTION UNDER 6 INCH	EACH	UTLN	UTIL	N	7
21998NN		SITE RESTORATION	LS	NOTE	MISC	N	1
02267		REMOVE & RESET FENCE	LF	722	FENC	N	6184
23020EN		TRIM AND REMOVE TREES AND BRUSH	ACRE	NOTE	TREE	N	0.75

\* ALL PIPE AND FITTINGS USED TO RECONNECT THE FARM TAPS TO THE REPLACED DISTRIBUTION PIPE SECTIONS SHOULD BE RATED FOR 300 PSIG MINIMUM.

\*\* INSPECTOR AND CONTRACTOR WILL WORK WITH CITY OF LEWISPORT TO DETERMINE A SUITABLE LOCATION INLINE WITH THE NEW MAIN AND EXISTING SERVICE FOR PLACEMENT OF TEES.



RE-ISSUED FOR CONSTRUCTION 3/10/2022



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CITY OF LEWISPORT		DIVISION: N/A	
US 60 HIGHWAY EXPANSION GAS LINE RELOCATION		PROJECT#: 7298.0000	
GENERAL INDEX		SCALE: N.T.S.	
OPERATING CENTER: LEWISPORT		CITY / TOWNSHIP: LEWISPORT	
PROJECT#: 7298.0000		COUNTY: HANCOCK	
SCALE: N.T.S.		STATE: KY	
CITY / TOWNSHIP: LEWISPORT		SHEET NO. 0009	
ENSiteUSA DWG NO. 013		REV. 4	

NO.	STATION	EXISTING INLET TYPE	EXISTING INLET TYPE	INLET TYPE	OUTLET DISTRIBUTION TUBE SIZE	EXISTING TUBE TYPE	APPR. TUBE LENGTH
1	376+30 +/-	1"	Steel	Steel	2"	PLASTIC (PE)	5 FT
2	388+70 +/-	3/4"	Steel	Steel	2"	PLASTIC (PE)	5 FT
3	392+00 +/-	3/4"	Steel	Steel	3/4"	PLASTIC (PE)	5 FT
4	400+15 +/-	3/4"	Steel	Steel	3/4"	STEEL	35 FT
4	400+15 +/-	3/4"	Steel	Steel	3/4"	PLASTIC (PE)	35 FT
5	404+24 +/-	3/4"	Steel	Steel	3/4"	STEEL	25 FT
5	404+24 +/-	3/4"	Steel	Steel	3/4"	PLASTIC (PE)	25 FT
6	443+70 +/-	3/4"	Steel	Steel	3/4"	STEEL	10 FT
7	445+00 +/-	1"	Steel	Steel	3/4"	PLASTIC (PE)	10 FT
8	446+95 +/-	3/4"	Steel	Steel	3/4"	STEEL	5 FT
9	500+24 +/-	1"	Steel	Steel	1"	STEEL	5 FT
10	534+00 +/-	3/4"	Steel	Steel	3/4"	Unk.	600 FT

ITEM	ALUMINUM SHEET ITEM	DESCRIPTION	UNIT	ITEM TYPE	ITEM CLASS	SUPP DESC REQ'D	# UNITS
16023	FENCE-TEMP	FENCE-TEMP	LF	721	FENC	N	3000
16025	(1)	G PIPE STEEL 04 INCH - (4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE) MILS ARO	LF	UTLN	UTIL	N	1190
16022	(11)	G PIPE STEEL 02 INCH - (2.375" OD X 0.154" W.T., API-5L, GR. X-42, 12-14 MILS FBE) MILS ARO	LF	UTLN	UTIL	N	199
16023	(11)	G PIPE STEEL 02 INCH - (2.375" OD X 0.154" W.T., API-5L, GR. X-40, 12-14 MILS FBE) MILS ARO	LF	UTLN	UTIL	N	40
16022	(10)	G PIPE SPECIAL 01 INCH - (1.315" OD X 0.170" W.T., API-5L, Sch 80, 12-14 MILS FBE)	LF	UTLN	UTIL	N	80
16022	(10)	G PIPE SPECIAL 3/4 INCH - (1.05" OD X 0.154" W.T., API-5L, Sch 80, 12-14 MILS FBE)	LF	UTLN	UTIL	N	226
16022	(12)	G PIPE SPECIAL 3/4 INCH - (1.05" OD X 0.154" W.T., API-5L, Sch 80, 12-14 MILS FBE, 20 MILS ARO)	LF	UTLN	UTIL	N	74
14073		W PIPE POLYETHYLENE/PLASTIC - (02 INCH - PIPE, HOPE, 2", SDR 9, PE 3408, HD8 AT 73°F, WIDENING FACTOR 0.52)	LF	UTLN	UTIL	N	80
14074	(2)	W PLUG EXISTING MAIN - (LINE STOP FITTING, 3" X 4" NPS, MFR.:T.D. WILLIAMSON) MODEL SHORTSTOPP 3-WAY TEE FITTING, PART NO.: 26-0325-0304-01, ASME CLASS 150, PER ASME B31.8, TO INCLUDE COVER FLANGE W/GASKET, BOLTS, AND PLASTIC CAPPLUGS, COMPLETION PLUG, O-RING, AND TEE	EACH	UTLN	UTIL	N	8
16076		G SPECIAL ITEM (PLATE ASSEMBLY)	EACH	UTLN	UTIL	N	8
16030		G REGULATOR STATION (Reference RS Fabrication drawing for full BoM)	EACH	UTLN	UTIL	N	1
16040	(7)	G SERVICE SPECIAL (TEE, WELD, 4" X 2" Grade Y42)	EACH	UTLN	UTIL	N	10
16040	(8)	G SERVICE SPECIAL (REDUCER 2" X 1" Grade Y42)	EACH	UTLN	UTIL	N	3
16040	(9)	G SERVICE SPECIAL (REDUCER 2" X 3/4" Grade Y42)	EACH	UTLN	UTIL	N	7
16059	(6)	G VALVE STEEL 04 INCH, (Ballonex Ball Valve, ANSI 300)	EACH	UTLN	UTIL	N	1
16057	(5)	G VALVE STEEL 02 INCH, (Ballonex Ball Valve, ANSI 300)	EACH	UTLN	UTIL	N	1
16111		G VALVE STEEL 01 INCH, (Excess Flow Valve, ANSI 300)	EACH	UTLN	UTIL	N	3
16040		G SERVICE SPECIAL (3/4 INCH, Excess Flow Valve, ANSI 300)	EACH	UTLN	UTIL	N	7
16076	(3)	G SPECIAL ITEM (45° SEGMENTAL ELL, LONG RADIUS, 0.237" W.T.T, BACK BEVEL TO 0.188")	EACH	UTLN	UTIL	N	24
16076	(4)	G SPECIAL ITEM (90° SEGMENTAL ELL, LONG RADIUS, 0.237" W.T.T, BACK BEVEL TO 0.188")	EACH	UTLN	UTIL	N	2
	Subtotal Materials						
	LABOR						
16500		G DIRECTIONAL BORE INST	EACH	UTLN	UTIL	N	630
16048		G TIE-IN SPECIAL (Steel 4" Tees and 1" & 3/4" Reducers)	EACH	UTLN	UTIL	N	11
16535		G SERVICE RELOCATE INST (Relocation of 4 farm taps)	EACH	UTLN	UTIL	N	4
16578		G TIE-IN STEEL 04 INCH INST (Cup Cap, reuse existing main)	EACH	UTLN	UTIL	N	8
16107		G WELD X-RAY INSPECTION UNDER 6 INCH	EACH	UTLN	UTIL	N	7
21998NN		SITE RESTORATION	LS	NOTE	MISC	N	1
02267		REMOVE & RESET FENCE	LF	722	FENC	N	6184
23020EN		TRIM AND REMOVE TREES AND BUSH	ACRE	NOTE	TREE	N	0.75

\* ALL PIPE AND FITTINGS USED TO RECONNECT THE FARM TAPS TO THE REPLACED DISTRIBUTION PIPE SECTIONS SHOULD BE RATED FOR 300 PSIG MINIMUM.

\*\* INSPECTOR AND CONTRACTOR WILL WORK WITH CITY OF LEWISPORT TO DETERMINE A SUITABLE LOCATION INLINE WITH THE NEW MAIN AND EXISTING SERVICE FOR PLACEMENT OF TEES.



RE-ISSUED FOR CONSTRUCTION 3/10/2022

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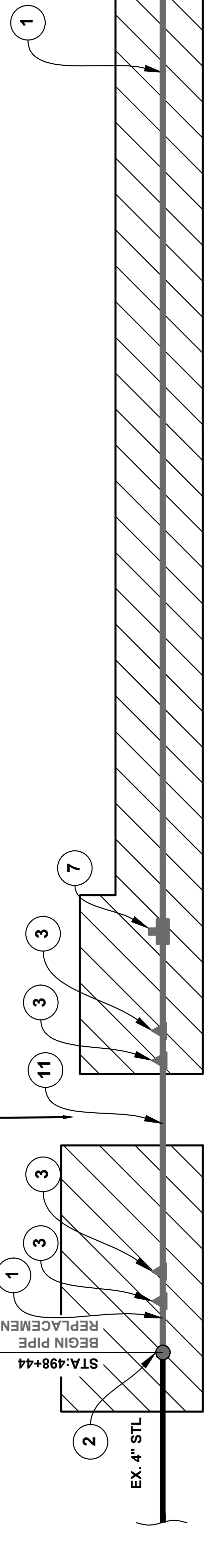
CITY OF LEWISPORT		DIVISION: N/A	
US 60 HIGHWAY EXPANSION GAS LINE RELOCATION		PROJECT#: 7298.0000	
GENERAL INDEX		SCALE: N.T.S.	
OPERATING CENTER: LEWISPORT		CITY / TOWNSHIP: LEWISPORT	
PROJECT#: 7298.0000		COUNTY: HANCOCK	
SCALE: N.T.S.		STATE: KY	
CITY / TOWNSHIP: LEWISPORT		SHEET NO: 0009	
ENSITEUSA DWG NO: 013		REV: 4	

504+62 BEGIN  
PIPE REPLACEMENT  
498+55 PI 45.00'00" RT  
498+70 PI 45.00'00" RT  
498+80 EDGE OF PAVEMENT  
499+04 EDGE OF PAVEMENT  
499+57 PI 45.00'00" LT  
499+97 PI 45.00'00" LT  
500+24 FARM TAP  
500+77 PI 03.29'53" RT  
500+90 PI 08.21'33" RT  
503+90 PI 01.12'00" RT  
505+90 PI 02.00'00" RT  
507+82 PI 03.00'00" RT  
513+80 MATCHLINE



MATCHLINE - SEE SHEET 0016

**SCHEMATIC**



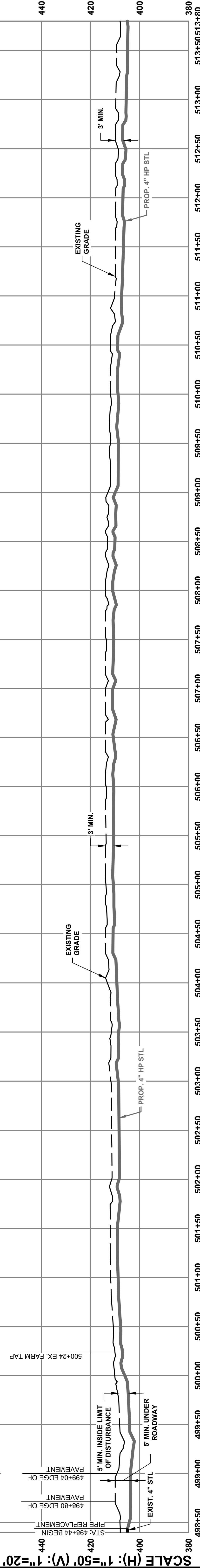
NOTES:  
1. FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0008.  
2. SEE SHEET 0008 NOTE 23 FOR (\*)

MATCHLINE - SEE SHEET 0016

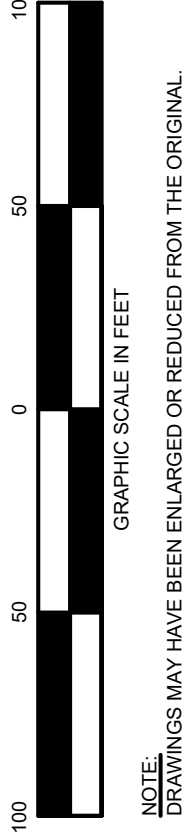
**SUMMARY OF MATERIALS**

NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION		
1	1491'	4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE	2	1	SHORTSTOPP 4" X 3" FITTING	7	1	4" X 2" TEE, WELD, GRADE Y-42	8	1	2" X 1" REDUCER		
			3	4							11	45'	4.5" O.D. X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE, 30 MILS ARO

**PROFILE**



RE-ISSUED FOR CONSTRUCTION  
3/10/2022



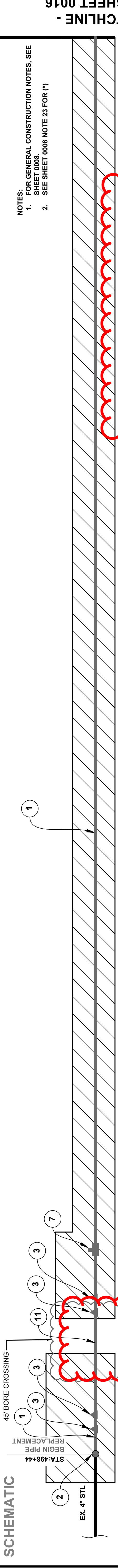
DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

OPERATING CENTER: LEWISPORT		DIVISION: N/A	
PROJECT#: 7298.0000		SCALE: 1" = 50'	
CITY / TOWNSHIP: LEWISPORT	COUNTY: HANGCOCK	STATE: KY	REV: 3
CITY OF LEWISPORT US 60 HIGHWAY EXPANSION GAS LINE RELOCATION PIPELINE ALIGNMENT		ENSITEUSA DWG NO. 020	SHEET NO. 0016

513+80 MATCHLINE  
511+18 Pl 04'00.00" RT  
507+82 Pl 03'00.00" RT  
505+90 Pl 02'00.00" RT  
503+90 Pl 01'12.00" RT  
503+50 Pl 08'21.33" RT  
500+77 Pl 03'29.53" RT  
500+24 FARM TAP  
499+97 Pl 45'00.00" LT  
499+57 Pl 45'00.00" LT  
499+04 EDGE OF PAVEMENT  
498+80 EDGE OF PAVEMENT  
498+70 Pl 45'00.00" RT  
498+55 Pl 45'00.00" RT  
504+62 BEGIN



MATCHLINE - SEE SHEET 0016



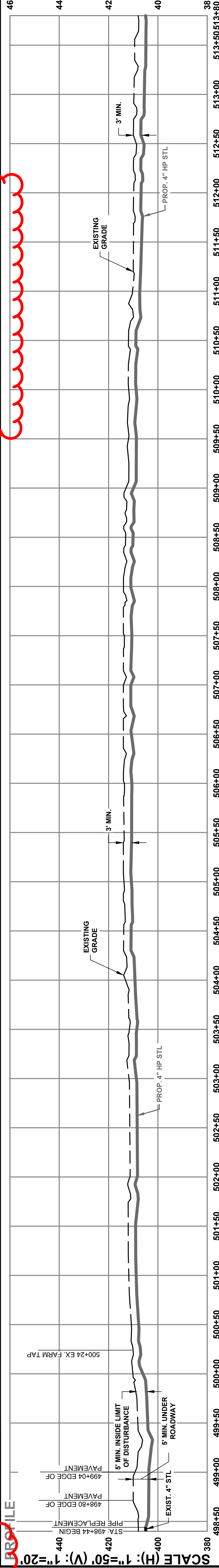
**SCHEMATIC**

NOTES:  
1. FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0008  
2. SEE SHEET 0008 NOTE 23 FOR (\*)

MATCHLINE - SEE SHEET 0016

**SUMMARY OF MATERIALS**

NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION
1	14	4.5" O.D. X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE	2	1	SHORTSTOPP 4" X 3" FITTING	3	4	4" X 2" TEE, WELD, GRADE Y-42	8	1	2" X 1" REDUCER
7	1	45" SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"	7	1	4" X 2" TEE, WELD, GRADE Y-42	8	1	2" X 1" REDUCER	11	6	4.5" O.D. X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE, 30 MILS ARO



**REISSUED FOR CONSTRUCTION**  
3/10/2022

**811** Know what's below. Call 811 before you dig.

**EnSiteUSA**

REVISIONS

NO.	DATE	BY	DESCRIPTION
0	1/31/2022	JCS	ISSUED FOR BID
1	2/4/2022	JCS	ISSUED FOR CONSTRUCTION
2	2/8/2022	JCS	RE-ISSUED FOR CONSTRUCTION
3	3/10/2022	JCS	RE-ISSUED FOR CONSTRUCTION

OPERATING CENTER: LEWISPORT  
PROJECT#: 7288.000  
SCALE: 1" = 50'

CITY / TOWNSHIP: LEWISPORT  
COUNTY: HANCOCK  
STATE: KY

CITY OF LEWISPORT  
US 60 HIGHWAY EXPANSION GAS LINE RELOCATION  
PIPELINE ALIGNMENT

SHEET NO: 0016  
REV: 3

ENSITEUSA DWG NO. 020

GRAPHIC SCALE IN FEET  
1" = 50'  
USINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.  
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

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STATION

513+80 MATCHLINE - SEE SHEET 0016  
 514+78 PL 10'00.00' LT  
 515+38 PL 09'23.41' RT  
 515+55 CULVERT  
 516+49 EDGE OF ROAD  
 516+82 EDGE OF ROAD  
 519+03 PL 01'48.29' LT  
 521+62 PL 03'40.10' LT  
 525+62 PL 1'00.00' RT  
 528+90 MATCHLINE

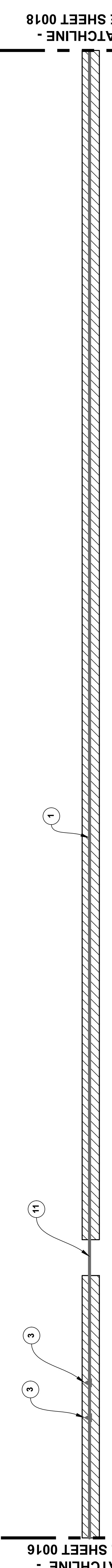
REVISED 2022/03/10



MATCHLINE - SEE SHEET 0018

MATCHLINE - SEE SHEET 0016

**SCHEMATIC**



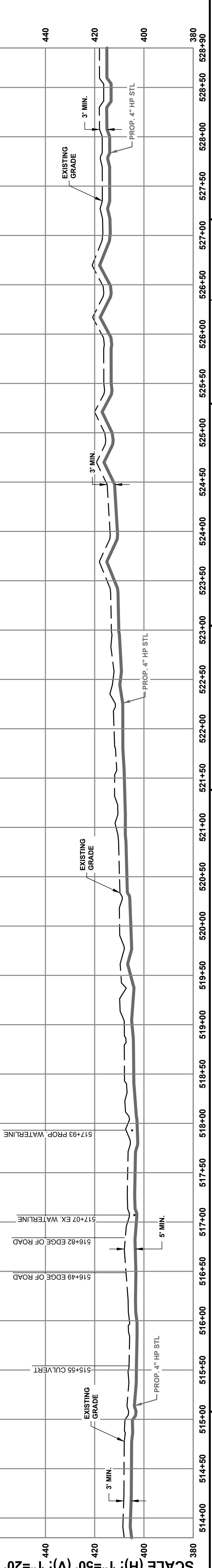
MATCHLINE - SEE SHEET 0018

MATCHLINE - SEE SHEET 0016

SUMMARY OF MATERIALS								
NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION
1	1430	4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE	2	0	SHORTSTOPP 4" X 3" FITTING	3	2	45" SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"
			4	0	90° SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"	11	80	4.5" OD X 0.188" W.T., API-5L, SCH 80, 12-14 MILS FBE, 30 MILS ARO

NOTES:  
 1. FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0008.  
 2. SEE SHEET 0008 NOTE 23 FOR (\*)

**PROFILE**



**EnSite USA**

RE-ISSUED FOR CONSTRUCTION  
3/10/2022

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NO.	DATE	BY	REVISIONS
0	1/31/2022	JCS	ISSUED FOR BID
1	2/4/2022	JCS	ISSUED FOR CONSTRUCTION
2	2/8/2022	JCS	RE-ISSUED FOR CONSTRUCTION
3	3/10/2022	JCS	RE-ISSUED FOR CONSTRUCTION

OPERATING CENTER:	LEWISPORT	DIVISION:	N/A
PROJECT#:	7298.0000	SCALE:	1" = 50'
CITY / TOWNSHIP:	LEWISPORT	COUNTY:	HANCOCK
STATE:	STATE: KY		

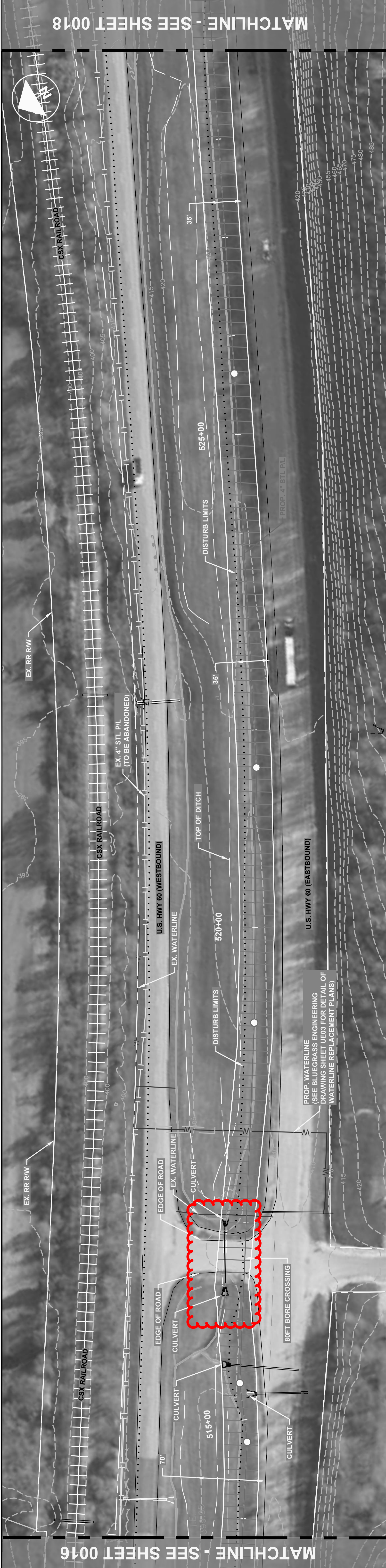
SHEET NO. 0017  
REV 3

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STATION

REVISED 2022/03/10

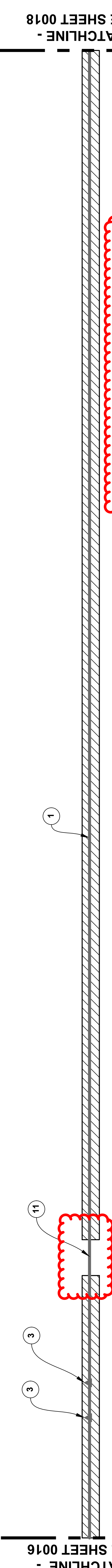
513+80 MATCHLINE - SEE SHEET 0016  
 514+78 PL 10'00"00" LT  
 515+38 PL 09'23"41" RT  
 515+55 CULVERT  
 514+49 EDGE OF ROAD  
 514+82 EDGE OF ROAD  
 519+03 PL 01'48"29" LT  
 519+62 PL 03'40"10" LT  
 525+62 PL 1'00"00" RT  
 528+90 MATCHLINE



MATCHLINE - SEE SHEET 0018

MATCHLINE - SEE SHEET 0016

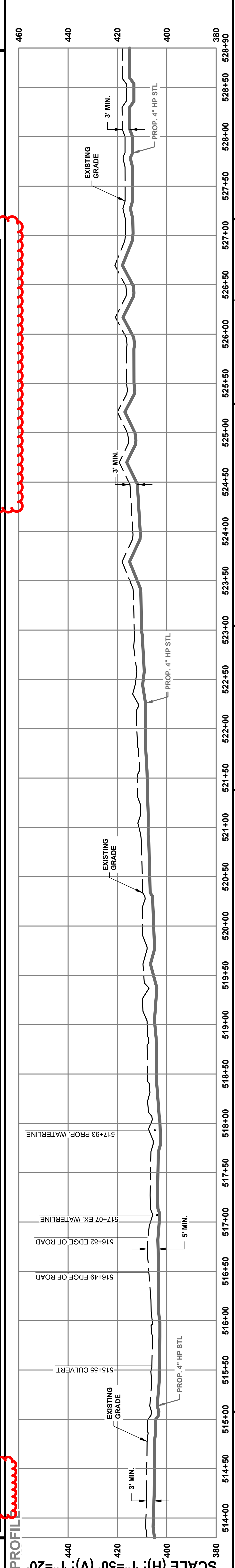
**SCHEMATIC**



MATCHLINE - SEE SHEET 0018

MATCHLINE - SEE SHEET 0016

SUMMARY OF MATERIALS				
NO.	QTY.	DESCRIPTION	NO.	QTY.
1	1430	4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE	1	80
2	2	45" SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"	2	0
3	3	SHORTSTOPP 4" X 3" FITTING	3	0
4	0	90" SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"	4	0
5	0	4.5" OD X 0.188" W.T., API-5L, SCH 80, 12-14 MILS FBE, 30 MILS ARO	5	0



NOTES:  
 1. FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0008.  
 2. SEE SHEET 0008 NOTE 23 FOR (\*)

**EnSite USA**

RE-ISSUED FOR CONSTRUCTION  
3/10/2022

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GRAPHIC SCALE IN FEET  
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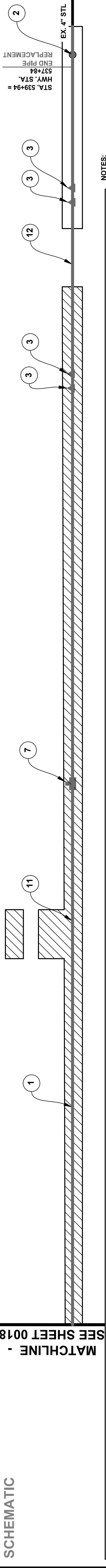
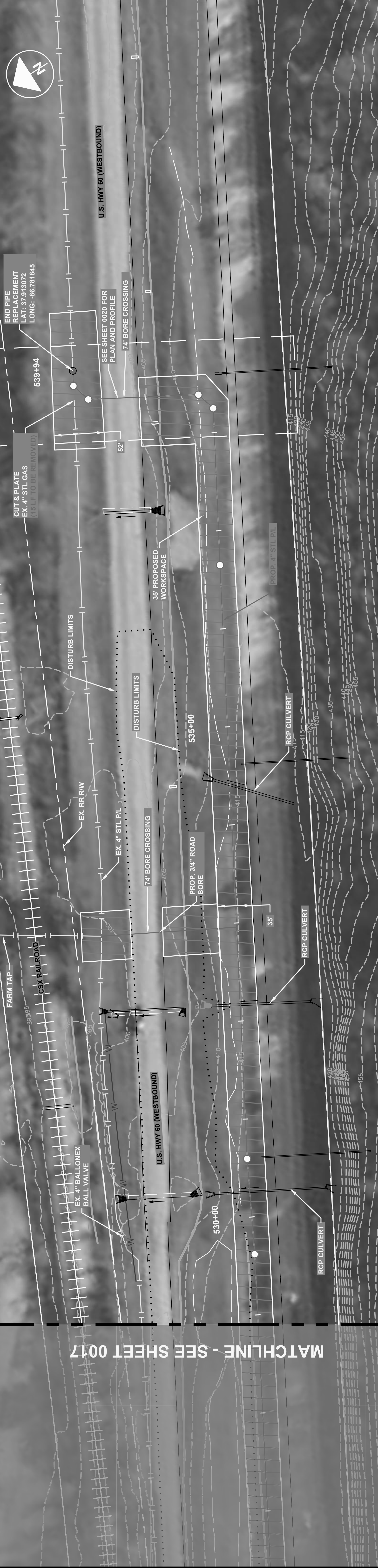
NO.	DATE	BY	REVISIONS
0	1/31/2022	JCS	ISSUED FOR BID
1	2/4/2022	JCS	ISSUED FOR CONSTRUCTION
2	2/8/2022	JCS	RE-ISSUED FOR CONSTRUCTION
3	3/10/2022	JCS	RE-ISSUED FOR CONSTRUCTION

OPERATING CENTER:	LEWISPORT	DIVISION:	N/A
PROJECT#:	7298.0000	SCALE:	1" = 50'
CITY / TOWNSHIP:	LEWISPORT	COUNTY:	HANCOCK
STATE:	KY		

SHEET NO. 0007  
REV. 3

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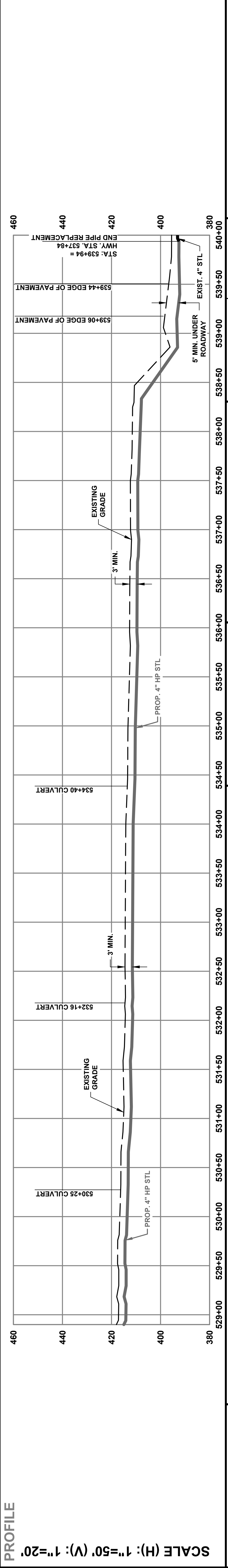




**NOTES:**

- FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0018.
- SEE SHEET 0018 NOTE 23 FOR (\*) CONTRACTOR TO FIELD VERIFY LOCATION OF WHERE EXISTING SERVICE LINE TIES INTO EXISTING MAIN.

NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION									
1	1030	4.5" OD X 0.188" W.T., API-5L, GR. X-42, 12-14 MILS FBE	2	1	SHORTSTOPP 4" X 3" FITTING	3	4	45° SEGMENTABLE ELL, LONG RADIUS, 0.237" W.T., BACK BEVEL TO 0.188"	7	1	4" X 2" TEE, WELD, GRADE Y-42	10	74	1.05" OD X 0.188" W.T., API-5L, SCH 80, 12-14 MILS FBE	11	44	4.5" OD X 0.188" W.T., API-5L, SCH 80, 12-14 MILS FBE	12	74	1.05" OD X 0.154" W.T., API-5L, SCH 80, 12-14 MILS FBE, 20 MILS ARO



**RE-ISSUED FOR CONSTRUCTION**  
3/10/2022

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**EnSite USA**

NO.	DATE	BY	DESCRIPTION
0	1/31/2022	JCS	ISSUED FOR BID
1	2/4/2022	JCS	ISSUED FOR CONSTRUCTION
2	2/8/2022	JCS	RE-ISSUED FOR CONSTRUCTION
3	3/10/2022	JCS	RE-ISSUED FOR CONSTRUCTION

GRAPHIC SCALE IN FEET  
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CITY OF LEWISPORT	DIVISION:	N/A
US 60 HIGHWAY EXPANSION GAS LINE RELOCATION	PROJECT#:	7298.0000
PIPELINE ALIGNMENT	SCALE:	1" = 50'
ENSITEUSA DWG NO. 022	CITY / TOWNSHIP:	LEWISPORT
SHEET NO. 0018	COUNTY:	HANCOCK
REV. 3	STATE:	KY

MATCHLINE - SEE SHEET 0017

MATCHLINE - SEE SHEET 0018

528+90 MATCHLINE

529+62 Pl 01'38"26" LT

530+25 CULVERT

530+59 Pl 01'51"13" LT

532+16 CULVERT

534+00 FARM TAP

534+40 CULVERT

536+65 Pl 01'00"00" LT

538+25 Pl 45'00"00" LT

538+46 Pl 45'00"00" LT

539+40 EDGE OF PAVEMENT

539+44 EDGE OF PAVEMENT

539+78 Pl 45'00"00" RT

539+94 = HWY. STA. 537+84

END PIPE REPLACEMENT

END PIPE REPLACEMENT (18 LF TO BE REMOVED)

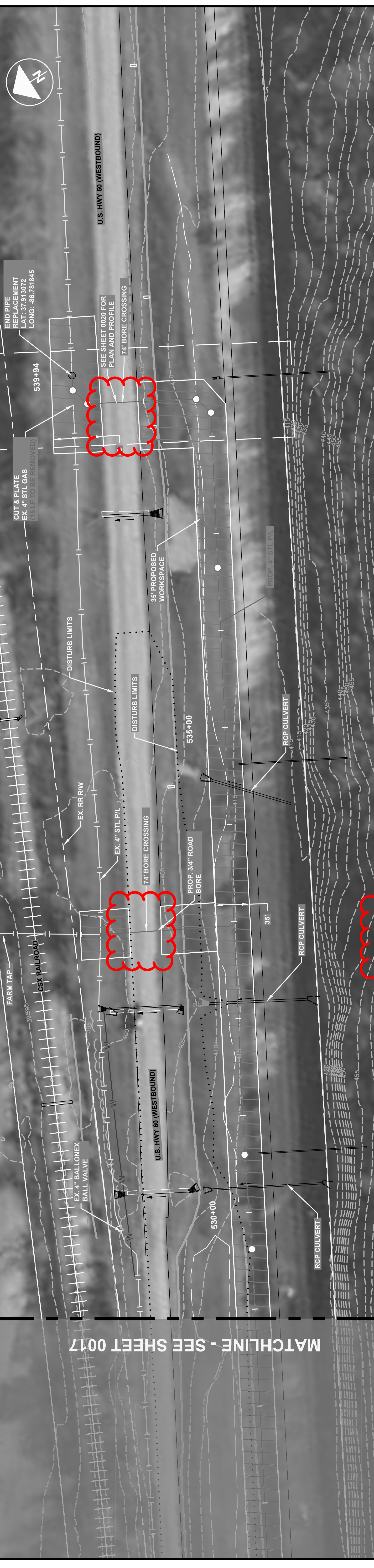
539+94

CUT & PLATE EX. 4" STL GAS (18 LF TO BE REMOVED)

END PIPE REPLACEMENT LAT: 37.913072 LONG: -86.781845

539+94 = HWY. STA. 537+84

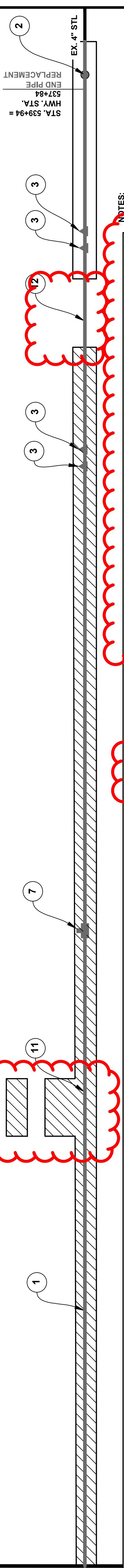
END PIPE REPLACEMENT



MATCHLINE - SEE SHEET 0017

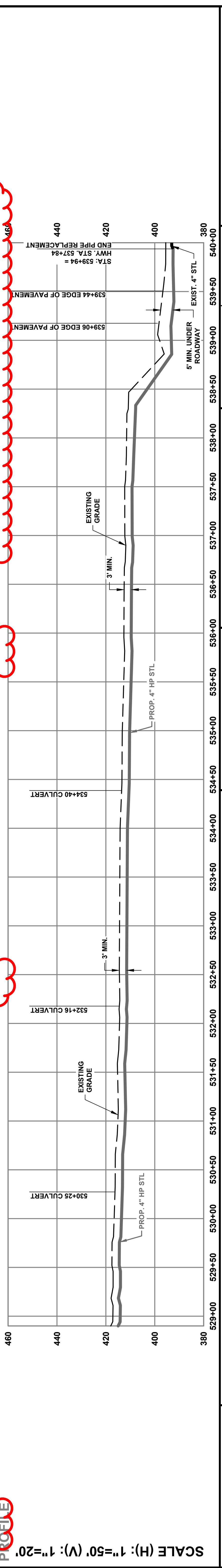
SCHEMATIC

MATCHLINE - SEE SHEET 0018



NOTES:  
 1. FOR GENERAL CONSTRUCTION NOTES, SEE SHEET 0008.  
 2. SEE SHEET 0008 NOTE 23 FOR (\*) CONTRACTOR TO FIELD VERIFY LOCATION OF WHERE EXISTING SERVICE LINE TIES INTO EXISTING MAIN.

NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION	NO.	QTY.	DESCRIPTION
1	1030	4\"/>									
2	1	SHORTSTOPP 4\"/>									
3	4	45\"/>									
4	1	4\"/>									
5	9	2\"/>									
6	74	1.5\"/>									
7	11	4.5\"/>									
8	44	1.05\"/>									
9	12	1.05\"/>									



**RE-ISSUED FOR CONSTRUCTION**  
3/10/2022

**EnSite USA**

**811 Know what's below. Call 811 before you dig.**

RE-ISSUED FOR CONSTRUCTION  
3/10/2022

GRAPHIC SCALE IN FEET  
NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

NO.	DATE	BY	DESCRIPTION
0	1/31/2022	JCS	ISSUED FOR BID
1	2/4/2022	JCS	ISSUED FOR CONSTRUCTION
2	2/8/2022	JCS	RE-ISSUED FOR CONSTRUCTION
3	3/10/2022	JCS	RE-ISSUED FOR CONSTRUCTION

OPERATING CENTER:	LEWISPORT	DIVISION:	N/A
PROJECT#:	7298.0000	SCALE:	1" = 50'
CITY / TOWNSHIP:	LEWISPORT	COUNTY:	HANCOCK
STATE:	OHIO	STATE:	KY

CITY OF LEWISPORT  
US 60 HIGHWAY EXPANSION GAS LINE RELOCATION  
ALIGNMENT

EnSite USA DWG NO. 022 SHEET NO. 0018 REV. 3

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