Andy Beshear
GOVERNOR

TRANSPORTATION CABINET
200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

December 6, 2022

CALL NO. 109
CONTRACT ID NO. 221063
ADDENDUM # 3

Subject: HENRY COUNTY, FBP 5162(022)
Letting December 8, 2022

(1) Revised – Special Note – Page 75 of 279
(2) Revised – Proposal Bid Items – Pages 274-279 of 279
(3) Revised – Plan Sheets – R001, R002F, R002G, R002H, R002I, R002J, R002K, R009, R009A, R015, R021, R023, R030, R031, R032, R033, R034, R036, R040, R043, R046, R047, R052, R056, R057, R061, R063, R066, R072, R075, R078, R079, R128, R131, R141, R142

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,



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

RM:mr
Enclosures

SPECIAL NOTE

For Tree Removal

Henry County
MAJOR RECONSTRUCTION OF KY-146 BETWEEN NEW CASTLE AT US-421 AND PENDLETON AT KY-153. SEGMENT 1: PENDLETON ROAD (KY 153) TO LOST CREEK (1/2 MILE EAST OF SAFETY KLEEN ENTRANCE). MILE POINT 2.169 TO MILE POINT 5.333

Item No. 5-80260(5-8300)

NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST HEIGHT) FROM **JUNE 1 THROUGH JULY 31.**

If there are any questions regarding this note, please contact Danny Peake, Director, Division of Environmental Analysis, 200 Mero Street, Frankfort, KY 40601, Phone: (502) 564-7250.

PROPOSAL BID ITEMS

Report Date 12/6/22

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	37,079.00	TON		$	
0020	00008		CEMENT STABILIZED ROADBED	81,531.00	SQYD		$	
0030	00020		TRAFFIC BOUND BASE	5,000.00	TON		$	
0040	00100		ASPHALT SEAL AGGREGATE	294.00	TON		$	
0050	00103		ASPHALT SEAL COAT	36.00	TON		$	
0060	00190		LEVELING & WEDGING PG64-22	2,485.00	TON		$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	23,328.00	TON		$	
0080	00301		CL2 ASPH SURF 0.38D PG64-22	428.00	TON		$	
0090	00307		CL2 ASPH SURF 0.38B PG64-22	6,762.00	TON		$	
0100	00358		ASPHALT CURING SEAL	82.00	TON		$	
0110	02101		CEM CONC ENT PAVEMENT-8 IN	586.00	SQYD		$	
0120	02542		CEMENT	2,311.00	TON		$	
0130	02702		SAND FOR BLOTTER	204.00	TON		$	
0140	20071EC		JOINT ADHESIVE	50,448.00	LF		$	
0150	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	72.00	TON		$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	00078		CRUSHED AGGREGATE SIZE NO 2	1,227.00	TON		$	
0170	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		$	
0180	01310		REMOVE PIPE	112.00	LF		$	
0190	01691		FLUME INLET TYPE 2	2.00	EACH		$	
0200	01891		ISLAND HEADER CURB TYPE 2	70.00	LF		$	
0210	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	68.00	EACH		$	
0215	02003		RELOCATE TEMP CONC BARRIER (ADDED 11-29-22)	350.00	LF		$	
0220	02014		BARRICADE-TYPE III	6.00	EACH		$	
0230	02091		REMOVE PAVEMENT	7,943.00	SQYD		$	
0240	02159		TEMP DITCH	8,274.00	LF		$	
0250	02200		ROADWAY EXCAVATION	267,576.00	CUYD		$	
0260	02242		WATER	1,000.00	MGAL		$	
0270	02351		GUARDRAIL-STEEL W BEAM-S FACE	3,387.50	LF		$	
0280	02360		GUARDRAIL TERMINAL SECTION NO 1	9.00	EACH		$	
0290	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		$	
0300	02373		GUARDRAIL END TREATMENT TYPE 3	1.00	EACH		$	
0310	02381		REMOVE GUARDRAIL	1,746.00	LF		$	
0320	02391		GUARDRAIL END TREATMENT TYPE 4A	11.00	EACH		$	
0330	02397		TEMP GUARDRAIL	362.50	LF		$	
0340	02429		RIGHT-OF-WAY MONUMENT TYPE 1	160.00	EACH		$	
0350	02432		WITNESS POST	4.00	EACH		$	
0360	02483		CHANNEL LINING CLASS II	738.00	TON		$	
0370	02484		CHANNEL LINING CLASS III	689.00	TON		$	

221063

PROPOSAL BID ITEMS

Report Date 12/6/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02545		CLEARING AND GRUBBING (APPROX. 59.96 ACRES)	1.00	LS		$	
0390	02555		CONCRETE-CLASS B	1.00	CUYD		$	
0400	02562		TEMPORARY SIGNS	800.00	SQFT		$	
0410	02585		EDGE KEY	247.00	LF		$	
0420	02602		FABRIC-GEOTEXTILE CLASS 1	3,544.00	SQYD		$	
0430	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		$	
0440	02651		DIVERSIONS (BY-PASS DETOURS) DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	1.00	LS		$	
0450	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		$	
0460	02696		SHOULDER RUMBLE STRIPS	34,456.00	LF		$	
0470	02701		TEMP SILT FENCE	8,274.00	LF		$	
0480	02704		SILT TRAP TYPE B	60.00	EACH		$	
0485	02703		SILT TRAP TYPE A (ADDED 12-6-22)	60.00	EACH		$	
0490	02705		SILT TRAP TYPE C	60.00	EACH		$	
0495	02706		CLEAN SILT TRAP TYPE A (ADDED 12-6-22)	60.00	EACH		$	
0500	02707		CLEAN SILT TRAP TYPE B	60.00	EACH		$	
0510	02708		CLEAN SILT TRAP TYPE C	60.00	EACH		$	
0520	02720		SIDEWALK-4 IN CONCRETE	4.00	SQYD		$	
0530	02726		STAKING	1.00	LS		$	
0540	02731		REMOVE STRUCTURE 2.5' X 1.5' RCBC STA. 245+37	1.00	LS		$	
0550	02731		REMOVE STRUCTURE 2.5' X 2.5' RCBC STA. 149+22	1.00	LS		$	
0560	02731		REMOVE STRUCTURE 3' X 2' RCBC STA. 230+46	1.00	LS		$	
0570	02731		REMOVE STRUCTURE 3' X 3' RCBC STA. 239+71	1.00	LS		$	
0580	02731		REMOVE STRUCTURE 3' X 3' RCBC STA. 258+32	1.00	LS		$	
0590	02731		REMOVE STRUCTURE 4' X 3' RCBC STA. 167+15	1.00	LS		$	
0600	02731		REMOVE STRUCTURE 4' X 4' RCBC STA. 177+45	1.00	LS		$	
0610	02731		REMOVE STRUCTURE 5' X 4' RCBC STA. 251+94	1.00	LS		$	
0620	02731		REMOVE STRUCTURE 6' X 4' RCBC STA. 184+62	1.00	LS		$	
0630	02731		REMOVE STRUCTURE 6' X 4' RCBC STA. 209+40	1.00	LS		$	
0640	02731		REMOVE STRUCTURE 8' X 4' RCBC STA. 204+17	1.00	LS		$	
0650	02731		REMOVE STRUCTURE 8' X 4' RCBC STA. 263+35	1.00	LS		$	
0660	02731		REMOVE STRUCTURE 8' X 6' RCBC STA. 191+65	1.00	LS		$	
0670	02731		REMOVE STRUCTURE DOUBLE 10' X 6' RCBC STA. 217+75	1.00	LS		$	
0675	02898		RELOCATE CRASH CUSHION (ADDED 11-29-22)	2.00	EACH		$	
0676	03171		CONCRETE BARRIER WALL TYPE 9T (ADDED 11-29-22)	500.00	LF		$	

PROPOSAL BID ITEMS

Report Date 12/6/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0680	05950		EROSION CONTROL BLANKET	17,902.00	SQYD		$	
0690	05952		TEMP MULCH	193,506.00	SQYD		$	
0700	05953		TEMP SEEDING AND PROTECTION	145,130.00	SQYD		$	
0710	05963		INITIAL FERTILIZER	10.00	TON		$	
0720	05964		MAINTENANCE FERTILIZER	10.00	TON		$	
0730	05985		SEEDING AND PROTECTION	168,586.00	SQYD		$	
0740	05989		SPECIAL SEEDING CROWN VETCH	72,269.00	SQYD		$	
0750	05992		AGRICULTURAL LIMESTONE	191.00	TON		$	
0760	06511		PAVE STRIPING-TEMP PAINT-6 IN	25,442.00	LF		$	
0770	06515		PAVE STRIPING-PERM PAINT-6 IN	58,371.00	LF		$	
0780	06531		PAVE STRIPING REMOVAL-6 IN	6,360.00	LF		$	
0790	06568		PAVE MARKING-THERMO STOP BAR-24IN	28.00	LF		$	
0795	08901		CRASH CUSHION TY VI CLASS BT TL2 (ADDED 11-29-22)	4.00	EACH		$	
0800	10020NS		FUEL ADJUSTMENT	145,411.00	DOLL	$1.00	$	$145,411.00
0810	10030NS		ASPHALT ADJUSTMENT	119,313.00	DOLL	$1.00	$	$119,313.00
0820	20191ED		OBJECT MARKER TY 3	11.00	EACH		$	
0830	20458ES403		CENTERLINE RUMBLE STRIPS	16,709.00	LF		$	
0840	20550ND		SAWCUT PAVEMENT	247.00	LF		$	
0870	23019EN		ASPHALT MILLING AND TEXTURING	400.00	SQYD		$	
0880	23274EN11F		TURF REINFORCEMENT MAT 1	13,626.00	SQYD		$	
0890	23275EN11F		TURF REINFORCEMENT MAT 2	24.00	SQYD		$	
0900	23276EN11F		TURF REINFORCEMENT MAT 3	24.00	SQYD		$	
0910	23277EN11F		TURF REINFORCEMENT MAT 4	32.00	SQYD		$	
0920	24814EC		PIPELINE INSPECTION	2,108.00	LF		$	
0930	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	4.00	EACH		$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0940	00440		ENTRANCE PIPE-15 IN	681.00	LF		$	
0950	00441		ENTRANCE PIPE-18 IN	88.00	LF		$	
0960	00443		ENTRANCE PIPE-24 IN	236.00	LF		$	
0970	00462		CULVERT PIPE-18 IN	50.00	LF		$	
0980	00464		CULVERT PIPE-24 IN (REVISED 12-6-22)	453.00	LF		$	
0990	00466		CULVERT PIPE-30 IN	198.00	LF		$	
1000	00468		CULVERT PIPE-36 IN (REVISED 12-6-22)	79.00	LF		$	
1010	00469		CULVERT PIPE-42 IN (REVISED 12-6-22)	266.00	LF		$	
1020	00470		CULVERT PIPE-48 IN	335.00	LF		$	
1030	00471		CULVERT PIPE-54 IN	420.00	LF		$	
1040	00472		CULVERT PIPE-60 IN (REVISED 12-6-22)	57.00	LF		$	
1050	00473		CULVERT PIPE-66 IN (REVISED 12-6-22)	89.00	LF		$	
1060	00498		CULVERT PIPE-42 IN EQUIV	79.00	LF		$	
1070	00505		CULVERT PIPE-78 IN EQUIV	71.00	LF		$	
1080	00521		STORM SEWER PIPE-15 IN	354.00	LF		$	

PROPOSAL BID ITEMS

Report Date 12/6/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1090	00524		STORM SEWER PIPE-24 IN	85.00	LF		$	
1100	00528		STORM SEWER PIPE-36 IN	364.21	LF		$	
1110	01000		PERFORATED PIPE-4 IN	2,509.00	LF		$	
1120	01010		NON-PERFORATED PIPE-4 IN	1,036.00	LF		$	
1130	01020		PERF PIPE HEADWALL TY 1-4 IN	4.00	EACH		$	
1140	01028		PERF PIPE HEADWALL TY 3-4 IN	19.00	EACH		$	
1150	01032		PERF PIPE HEADWALL TY 4-4 IN	9.00	EACH		$	
1160	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		$	
1170	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		$	
1180	01210		PIPE CULVERT HEADWALL-30 IN	4.00	EACH		$	
1190	01212		PIPE CULVERT HEADWALL-36 IN	5.00	EACH		$	
1200	01214		PIPE CULVERT HEADWALL-42 IN	4.00	EACH		$	
1210	01216		PIPE CULVERT HEADWALL-48 IN	4.00	EACH		$	
1220	01220		PIPE CULVERT HEADWALL-60 IN	2.00	EACH		$	
1230	01222		PIPE CULVERT HEADWALL-66 IN	2.00	EACH		$	
1240	01398		METAL END SECTION TY 3-54 IN	1.00	EACH		$	
1250	01424		METAL END SECTION TY 4-42 IN (EQUIV)	2.00	EACH		$	
1260	01425		METAL END SECTION TY 3-78 IN (EQUIV)	2.00	EACH		$	
1270	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		$	
1280	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		$	
1290	01496		DROP BOX INLET TYPE 3	2.00	EACH		$	
1291	01643		JUNCTION BOX-24 IN (ADDED 12-6-22)	1.00	EACH		$	
1292	01645		JUNCTION BOX-36 IN (ADDED 12-6-22)	1.00	EACH		$	
1293	01646		JUNCTION BOX-42 IN (ADDED 12-6-22)	1.00	EACH		$	
1294	01649		JUNCTION BOX-60 IN (ADDED 12-6-22)	1.00	EACH		$	
1300	01767		MANHOLE TYPE C	2.00	EACH		$	
1310	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE (REVISED 12-6-22)	6,565.00	SQYD	$2.00	$	$13,130.00
1320	08100		CONCRETE-CLASS A	1.68	CUYD		$	
1330	21799EN		BORE AND JACK PIPE-24 IN (REVISED 12-6-22)	54.00	LF		$	
1340	23332EC		BORE AND JACK PIPE-42 IN (REVISED 12-6-22)	61.00	LF		$	
1350	23952EC		DRAINAGE JUNCTION BOX TY B	1.00	EACH		$	
1360	24026EC		PIPE CULVERT HEADWALL-54 IN	5.00	EACH		$	
1365	24252EC		JUNCTION BOX-66 IN (ADDED 12-6-22)	1.00	EACH		$	
1370	24186EC		BORE AND JACK PIPE-36 IN (REVISED 12-6-22)	58.00	LF		$	
1380	26181EC		BORE AND JACK PIPE-60 IN (REVISED 12-6-22)	68.00	LF		$	
1390	26182EC		BORE AND JACK PIPE-66 IN	60.00	LF		$	
1395	20166ES810		TEMPORARY PIPE (ADDED 12-6-22)	239.00	LF		$	

Section: 0004 - BRIDGE - NO. 27328 - STA. 135+77.74 BRIDGE WIDENING

221063

PROPOSAL BID ITEMS

Report Date 12/6/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1400	02231		STRUCTURE GRANULAR BACKFILL	92.00	CUYD		$	
1410	02403		REMOVE CONCRETE MASONRY	54.00	CUYD		$	
1420	03299		ARMORED EDGE FOR CONCRETE	41.50	LF		$	
1430	08001		STRUCTURE EXCAVATION-COMMON	214.00	CUYD		$	
1440	08002		STRUCTURE EXCAV-SOLID ROCK	23.00	CUYD		$	
1450	08019		CYCLOPEAN STONE RIP RAP	409.00	TON		$	
1460	08033		TEST PILES	50.00	LF		$	
1470	08046		PILES-STEEL HP12X53	107.00	LF		$	
1480	08094		PILE POINTS-12 IN	8.00	EACH		$	
1490	08100		CONCRETE-CLASS A	96.60	CUYD		$	
1500	08104		CONCRETE-CLASS AA	103.50	CUYD		$	
1510	08150		STEEL REINFORCEMENT	10,024.00	LB		$	
1520	08151		STEEL REINFORCEMENT-EPOXY COATED	23,648.00	LB		$	
1530	08504		EPOXY SAND SLURRY	33.40	SQYD		$	
1540	08534		CONCRETE OVERLAY-LATEX	19.90	CUYD		$	
1550	08549		BLAST CLEANING	634.00	SQYD		$	
1560	08551		MACHINE PREP OF SLAB	351.00	SQYD		$	
1570	08632		PRECAST PC I BEAM TYPE 2	250.70	LF		$	
1580	20663ED		REPLACE ARMORED EDGE	52.10	LF		$	
1590	21532ED		RAIL SYSTEM TYPE III	257.30	LF		$	
1600	23378EC		CONCRETE SEALING	4,895.00	SQFT		$	
1610	24094EC		PARTIAL DEPTH PATCHING	10.50	CUYD		$	

Section: 0005 - BRIDGE - NO. 27329 - STA. 217+86.12 20' X 7' RCBC

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1620	08002		STRUCTURE EXCAV-SOLID ROCK	188.00	CUYD		$	
1630	08003		FOUNDATION PREPARATION	1.00	LS		$	
1640	08100		CONCRETE-CLASS A	281.50	CUYD		$	
1650	08150		STEEL REINFORCEMENT	31,648.00	LB		$	

Section: 0006 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	06406		SBM ALUM SHEET SIGNS .080 IN	488.00	SQFT		$	
1670	06407		SBM ALUM SHEET SIGNS .125 IN	30.00	SQFT		$	
1680	06410		STEEL POST TYPE 1	452.00	LF		$	
1690	06412		STEEL POST MILE MARKERS	6.00	EACH		$	
1700	20418ED		REMOVE & RELOCATE SIGNS	3.00	EACH		$	
1710	24631EC		BARCODE SIGN INVENTORY	42.00	EACH		$	

Section: 0007 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	14002		W AIR RELEASE VALVE SPECIAL	1.00	EACH		$	
1730	14005		W ENCASEMENT CONCRETE	500.00	LF		$	

221063

PROPOSAL BID ITEMS

Report Date 12/6/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1740	14007		W ENCASEMENT STEEL BORED RANGE 2	140.00	LF		$	
1750	14008		W ENCASEMENT STEEL BORED RANGE 3	275.00	LF		$	
1760	14012		W ENCASEMENT STEEL OPEN CUT RANGE 1	80.00	LF		$	
1770	14013		W ENCASEMENT STEEL OPEN CUT RANGE 2	20.00	LF		$	
1780	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3	260.00	LF		$	
1790	14023		W FLUSHING ASSEMBLY	2.00	EACH		$	
1800	14025		W METER 1 INCH	8.00	EACH		$	
1810	14030		W METER RELOCATE	5.00	EACH		$	
1820	14057		W PIPE PVC 03 INCH	730.00	LF		$	
1830	14059		W PIPE PVC 06 INCH	12,510.00	LF		$	
1840	14074		W PLUG EXISTING MAIN	2.00	EACH		$	
1850	14077		W SERV PE/PLST LONG SIDE 1 IN	3.00	EACH		$	
1860	14079		W SERV PE/PLST LONG SIDE 2 IN	3.00	EACH		$	
1870	14082		W SERV PE/PLST SHORT SIDE 1 IN	24.00	EACH		$	
1880	14089		W TAPPING SLEEVE AND VALVE SIZE 1	4.00	EACH		$	
1890	14092		W TIE-IN 03 INCH	3.00	EACH		$	
1900	14094		W TIE-IN 06 INCH	1.00	EACH		$	
1910	14103		W VALVE 03 INCH	9.00	EACH		$	
1920	14105		W VALVE 06 INCH	7.00	EACH		$	
1930	14156		W METER REMOVE	8.00	EACH		$	

Section: 0008 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1940	02568		MOBILIZATION	1.00	LS		$	
1950	02569		DEMOBILIZATION	1.00	LS		$	

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R001

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
HENRY COUNTY
KY 146 RECONSTRUCTION – PRIORITY SEGMENT NO. 1A
GRADE, DRAIN AND SURFACING PLANS
FD52 052 0146 002–010 FBP 5162 (022)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R001	LAYOUT SHEET
R002 - R002N	TYPICAL SECTIONS-SUMMARY OF QUANTITIES-GEN NOTES
R003 - R026	PLAN AND PROFILE SHEETS
R027 - R028	RIGHT OF WAY SUMMARY SHEETS
R029 - R034	RIGHT OF WAY STRIP MAP SHEETS
R035	DETAIL SHEETS
R036 - R067	TRAFFIC CONTROL SHEETS
R068 - R080	EROSION CONTROL SHEETS
R081 - R092	COORDINATE CONTROL SHEETS
R093 - R122	SOIL PROFILE SHEETS
R123 - R146	PIPE DRAINAGE SHEETS
S1 - S30	STRUCTURE NO. 27328 - 3 SPAN BRIDGE, WIDENING
S1 - S7	STRUCTURE NO. 27329 - 20'X7' RCBC OVER A CREEK
T001 - T022	TRAFFIC PLANS
U1 - U25	UTILITY RELOCATION PLANS
X1 - X149	CROSS SECTION SHEETS

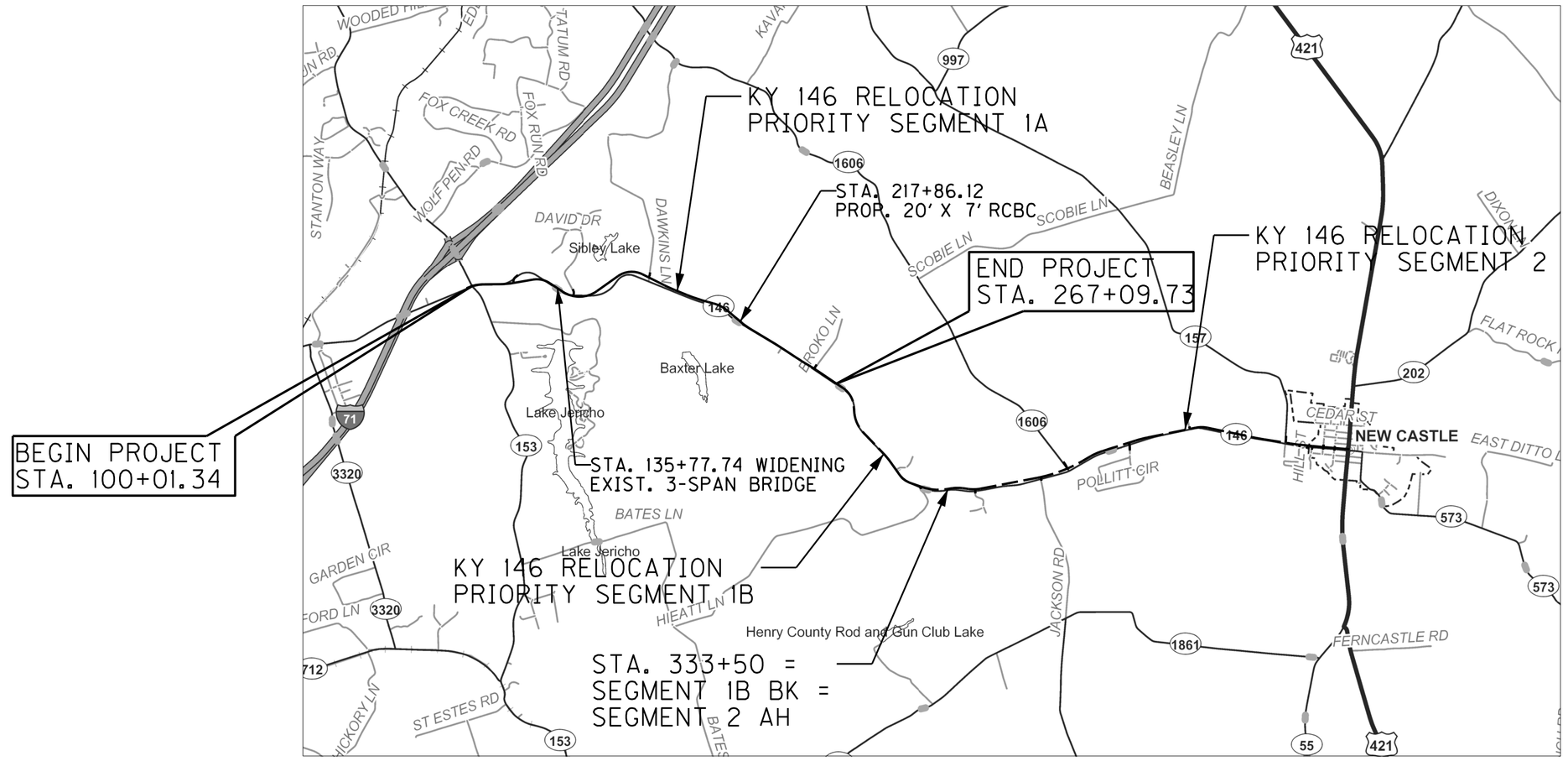
TOTAL SHEETS	
(R) ROADWAY	162
(S) STRUCTURE	37
(T) TRAFFIC	22
(U) UTILITY	22
(X) CROSS SECTION	149

SHEETS NOT INCLUDED IN TOTAL SHEETS
R002A-R002N, R009A, R024A

STANDARD DRAWINGS

NUMBER

BHS-014	RDB-155-02	RDP-006-04	RGX-105-09
RBB-001-09	RDB-160-02	RDP-007-04	RGX-200-01
RBC-002-04	RDD-021-07	RDP-010-09	RPM-100-11
RBC-003-09	RDD-040-05	RDX-001-06	RPM-110-07
RBC-005-01	RDI-001-10	RDX-005-03	TPM-115-03
RBC-005N	RDI-002-05	RDX-160-06	TPR-100
RBE-100-11	RDI-003-05	RDX-210-03	TPR-110
RBI-001-12	RDI-004-04	RDX-220-05	TPR-115
RBI-002-07	RDI-011-03	RDX-225-01	TPR-120
RBM-020-09	RDI-012-03	RDX-230-01	TPR-125
RBM-115-10	RDI-016-03	RDH-020-03	TTC-100-05
RBM-120-02	RDI-020-10	RDH-110-02	TTC-110-04
RBR-001-13	RDI-021-01	RDH-120-02	TTC-135-03
RBR-005-11	RDI-025-06	RDH-210-03	TTC-150-04
RBR-010-06	RDI-026-01	RDH-212-02	TTC-155-02
RBR-015-06	RDI-035-02	RDH-214-03	TTC-160-02
RBR-018	RDI-040-01	RDH-216-02	TTD-120-03
RBR-030-05	RDI-041-01	RDH-310-04	TTD-125-03
RBR-031-01	RDM-010-06	RDH-320-04	TTD-130
RBR-032	RDM-011-05	RDH-330-04	TTS-100-02
RBR-035-12	RDM-012-03	RDH-340-05	TTS-105-02
RBR-055-01	RDM-013-04	RGS-001-07	
RBR-100-07	RDM-055	RGX-001-06	98 TOTAL
RDB-003-08	RDM-100-03	RGX-005-06	
RDB-105-06	RDP-001-06	RGX-010-04	
RDB-106-05	RDP-005-05	RGX-100-07	



THIS ROUTE IS NOT ON THE NATIONAL HIGHWAY SYSTEM

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

0' 4000' 8000' 16000'

LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	495'
REQUIRED PSD	900'
LEVEL OF SERVICE	
ADT PRESENT (2010)	4200
ADT FUTURE (2032)	6100
DHV	(2010) 440 (2032) 650
D %	
T %	(2010) 9% (2032) 11%

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 27 MINUTES 08 SECONDS NORTH
LONGITUDE 85 DEGREES 16 MINUTES 02 SECONDS WEST

DESIGNED

% RESTRICTED SD
LEVEL OF SERVICE
MAX. DISTANCE W/O PASSING

LENGTH 16.709 LIN. FT. 3.164 MILES	LENGTH LIN. FT. MILES	LENGTH LIN. FT. MILES	LENGTH LIN. FT. MILES
ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. 0 LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 1 EXIST. - 128.67 LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
HENRY
KY 146 RECONSTRUCTION

ITEM NO. 5-80260.00
PROJECT NUMBER: FD52 052 0146 002-010
FBP 5162 (022)
LETTING DATE:

RECOMMENDED BY: KEITH DOWNS (PROJECT MANAGER) OCTOBER 20, 2022 (DATE:)
PLAN APPROVED BY: (STATE HIGHWAY ENGINEER) (DATE:)

PLANS PREPARED AND SUBMITTED BY:
GRW Engineers, Inc.

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\LAYOUT\R001OOLS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R001

REVISED 12-06-22

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
HENRY COUNTY
KY 146 RECONSTRUCTION – PRIORITY SEGMENT NO. 1A
GRADE, DRAIN AND SURFACING PLANS
FD52 052 0146 002–010 FBP 5162 (022)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R001	LAYOUT SHEET
R002 - R002N	TYPICAL SECTIONS-SUMMARY OF QUANTITIES-GEN NOTES
R003 - R026	PLAN AND PROFILE SHEETS
R027 - R028	RIGHT OF WAY SUMMARY SHEETS
R029 - R034	RIGHT OF WAY STRIP MAP SHEETS
R035	DETAIL SHEETS
R036 - R067	TRAFFIC CONTROL SHEETS
R068 - R080	EROSION CONTROL SHEETS
R081 - R092	COORDINATE CONTROL SHEETS
R093 - R122	SOIL PROFILE SHEETS
R123 - R146	PIPE DRAINAGE SHEETS
S1 - S30	STRUCTURE NO. 27328 - 3 SPAN BRIDGE, WIDENING
S1 - S7	STRUCTURE NO. 27329 - 20'X7' RCBC OVER A CREEK
T001 - T022	TRAFFIC PLANS
U1 - U25	UTILITY RELOCATION PLANS
X1 - X149	CROSS SECTION SHEETS

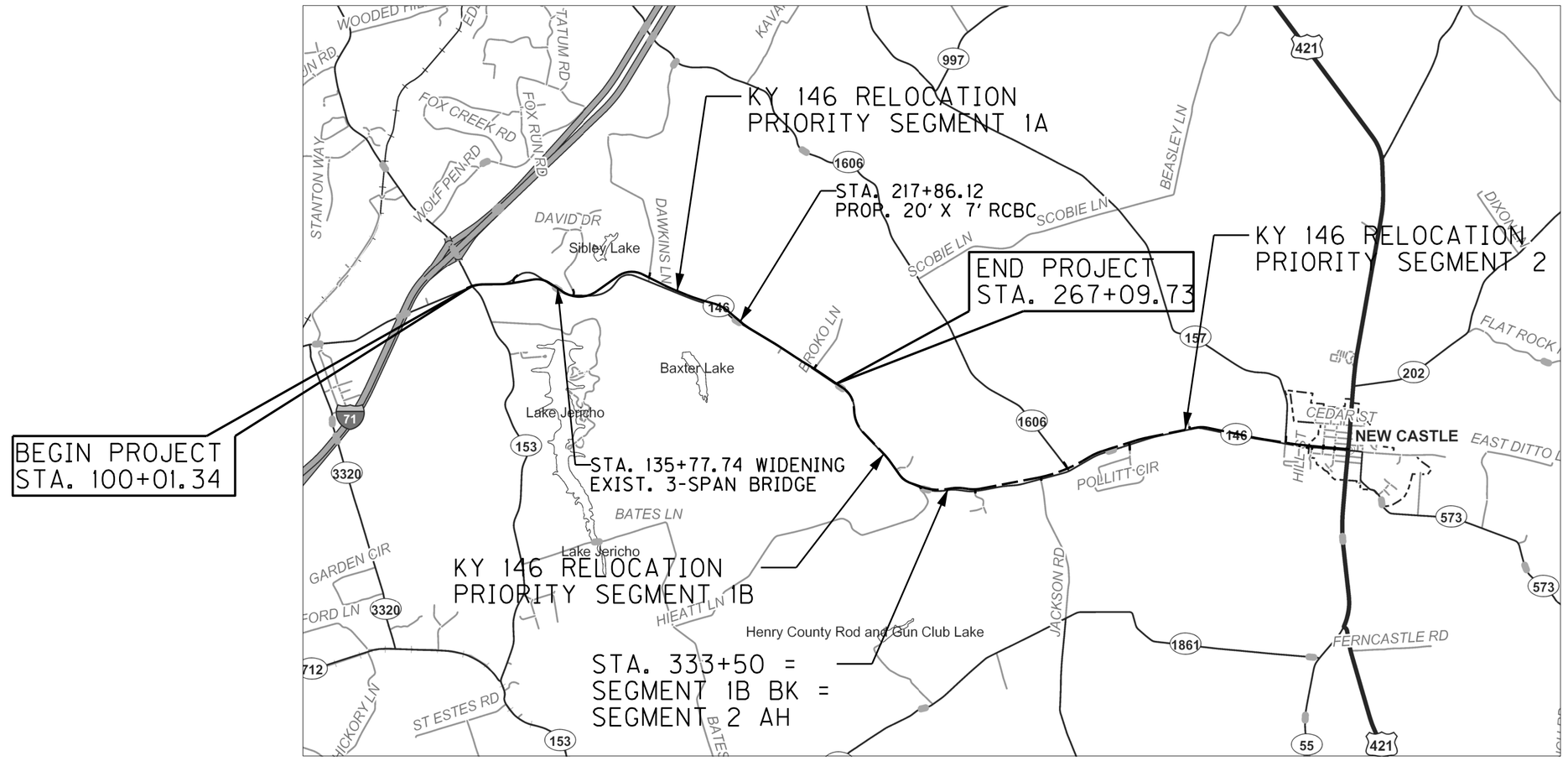
TOTAL SHEETS	
(R) ROADWAY	162
(S) STRUCTURE	37
(T) TRAFFIC	22
(U) UTILITY	22
(X) CROSS SECTION	149

SHEETS NOT INCLUDED IN TOTAL SHEETS
R002A-R002N, R009A, R024A

STANDARD DRAWINGS

NUMBER

BHS-014	RDB-155-02	RDP-006-04	RGX-105-09
RBB-001-09	RDB-160-02	RDP-007-04	RGX-200-01
RBC-002-04	RDD-021-07	RDX-001-05	RPM-100-11
RBC-003-09	RDD-040-05	RDX-001-06	RPM-110-07
RBC-005-01	RDI-001-10	RDX-003-05	TPM-115-03
RBC-005N	RDI-002-05	RDX-160-06	TPR-100
RBE-100-11	RDI-003-05	RDX-210-03	TPR-110
RBI-001-12	RDI-004-04	RDX-220-05	TPR-115
RBI-002-07	RDI-011-03	RDX-225-01	TPR-120
RBM-020-09	RDI-012-03	RDX-230-01	TPR-125
RBM-115-10	RDI-016-03	RDH-020-03	TTC-100-05
RBM-120-02	RDI-020-10	RDH-110-02	TTC-110-04
RBR-001-13	RDI-021-01	RDH-120-02	TTC-135-03
RBR-005-11	RDI-025-06	RDH-210-03	TTC-150-04
RBR-010-06	RDI-026-01	RDH-212-02	TTC-155-02
RBR-015-06	RDI-035-02	RDH-214-03	TTC-160-02
RBR-018	RDI-040-01	RDH-216-02	TTD-120-03
RBR-030-05	RDI-041-01	RDH-310-04	TTD-125-03
RBR-031-01	RDM-010-06	RDH-320-04	TTD-130
RBR-032	RDM-011-05	RDH-330-04	TTS-100-02
RBR-035-12	RDM-012-03	RDH-340-05	TTS-105-02
RBR-055-01	RDM-013-04	RGS-001-07	98 TOTAL
RBR-100-07	RDM-055	RGX-001-06	
RBR-003-08	RDM-100-03	RGX-005-06	
RDB-105-06	RDP-001-06	RGX-010-04	
RDB-106-05	RDP-005-05	RGX-100-07	



THIS ROUTE IS NOT ON THE NATIONAL HIGHWAY SYSTEM

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

0' 4000' 8000' 16000'

LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	495'
REQUIRED PSD	900'
LEVEL OF SERVICE	
ADT PRESENT (2010)	4200
ADT FUTURE (2032)	6100
DHV	(2010) 440 (2032) 650
D %	
T %	(2010) 9% (2032) 11%

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 27 MINUTES 08 SECONDS NORTH
LONGITUDE 85 DEGREES 16 MINUTES 02 SECONDS WEST

DESIGNED

% RESTRICTED SD
LEVEL OF SERVICE
MAX. DISTANCE W/O PASSING

LENGTH 16.709 LIN. FT. 3.164 MILES	LENGTH LIN. FT. MILES	LENGTH LIN. FT. MILES	LENGTH LIN. FT. MILES
ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED	ADDED / DEDUCTED — FOR EQUALITIES LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. 0 LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 1 EXIST. - 128.67 LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
HENRY
KY 146 RECONSTRUCTION

ITEM NO. 5-80260.00
PROJECT NUMBER: FD52 052 0146 002-010
FBP 5162 (022)
LETTING DATE:

RECOMMENDED BY: KEITH DOWNS (PROJECT MANAGER) OCTOBER 20, 2022 (DATE:)
PLAN APPROVED BY: (STATE HIGHWAY ENGINEER) (DATE:)

PLANS PREPARED AND SUBMITTED BY:
GRW Engineers, Inc.

USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\LAYOUT\R001001S.DGN
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002F

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	SHEET R003	SHEET R005	SHEET R007	SHEET R009	SHEET R011	SHEET R013	SHEET R015	SHEET R017	SHEET R019	SHEET R021	SHEET R023	SHEET R025						PROJECT TOTALS
78	CRUSHED AGGREGATE SIZE NO 2 (7)(8)	TON																		1,227
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM																		1
1310	REMOVE PIPE	LF			37					75										112
1691	FLUME INLET TYPE 2	EACH			2															2
1891	ISLAND HEADER CURB TY 2	LF			4	66														70
1987	DELINEATORS FOR GUARDRAIL B/W	EACH																		68
2003	RELOCATE TEMP CONC BARRIER (6)(9)	LF																		350
2014	BARRICADE TYPE III (6)	EACH																		6
2091	REMOVING PAVEMENT	SQ YD		544	143	1,050	2,828	2,678	700											7,943
2159	TEMPORARY DITCH	LF																		8,274
2200	ROADWAY EXCAVATION (4)	CU YD																		267,576
2242	WATER (1)	M GAL																		1,000
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF		962.50	623.19	514.31	731.90	280.60						275						3,387.5
2360	GUARDRAIL TERMINAL SECTION TYPE 1	EACH		1	2		3	2						1						9
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH												2						2
2373	GUARDRAIL END TREATMENT TYPE 3	EACH		1																1
2381	REMOVE GUARDRAIL (5)	LF			453	515						246	232	300						1,746
2391	GUARDRAIL END TREATMENT TYPE 4A (6)	EACH		2	2	2		1						1						11
2397	TEMP GUARDRAIL (6)	LF																		362.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	6	20	16	21	8	9	18	6	13	7	19	17						160
2432	WITNESS POST	EACH																		4
2483	CHANNEL LINING CLASS II	TON			26	64			125		26	81	81	335						738
2484	CHANNEL LINING CLASS III	TON		52	87	20	30	208	47	117	41	30	57							689
2545	CLEARING AND GRUBBING (2)	LP SUM																		1
2555	CONCRETE - CLASS B (3)	CU YD								1										1
2562	SIGNS (TEMPORARY) (6)	SQ FT																		800
2568	MOBILIZATION	LP SUM																		1
2569	DEMOBILIZATION	LP SUM																		1
2585	EDGE KEY	LF	154	21		16		15					18	23						247
2602	FABRIC-GEOTEXTILE CLASS 1 (7)	SQ YD																		3,544
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM																		1
2651	DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	LP SUM																		1
2671	PORTABLE CHANGEABLE MESSAGE SIGN (6)	EACH																		2
2696	SHOULDER RUMBLE STRIPS	LF																		34,456
2701	TEMPORARY SILT FENCE	LF																		8,274
2703	SILT TRAP TYPE A	EACH																		60
2704	SILT TRAP TYPE B	EACH																		60
2705	SILT TRAP TYPE C	EACH																		60
2706	CLEAN SILT TRAP TYPE A	EACH																		60
2707	CLEAN SILT TRAP TYPE B	EACH																		60
2708	CLEAN SILT TRAP TYPE C	EACH																		60
2720	SIDEWALK-4 IN CONCRETE	SQ YD												4						4
2726	STAKING	LP SUM																		1
2731	REMOVE STRUCTURE (2.5'X2.5' RCBC STA. 149+22)	LP SUM				1														1
2731	REMOVE STRUCTURE (4'X3' RCBC STA. 167+15)	LP SUM						1												1
2731	REMOVE STRUCTURE (4'X4' RCBC STA. 177+45)	LP SUM						1												1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 184+62)	LP SUM							1											1
2731	REMOVE STRUCTURE (8'X6' RCBC STA. 191+65)	LP SUM							1											1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 204+17)	LP SUM								1										1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 209+40)	LP SUM								1										1
2731	REMOVE STRUCTURE (DBL 10'X6' RCBC STA. 217+75)	LP SUM									1									1
2731	REMOVE STRUCTURE (3'X2' RCBC STA. 230+46)	LP SUM										1								1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 239+71)	LP SUM										1								1
2731	REMOVE STRUCTURE (2.5'X1.5' RCBC STA. 245+37)	LP SUM											1							1
2731	REMOVE STRUCTURE (5'X4' RCBC STA. 251+94)	LP SUM											1							1
2731	REMOVE STRUCTURE 3'X3' RCBC STA. 258+32)	LP SUM												1						1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 263+35)	LP SUM												1						1
2898	RELOCATE CRASH CUSHION (6)(9)	EACH																		2
3171	CONCRETE BARRIER WALL TYPE 9T (6)(9)	LF																		500
5950	EROSION CONTROL BLANKET	SQ YD	767	1,177	456	764	1,958	2,073	2,183	2,153	2,015	1,573	1,694	1,089						17,902

NOTES:

1. FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
2. APPROXIMATELY 59.96 ACRES
3. FOR PARTIALLY GROUTED RIPRAP
4. QUANTITY INCLUDES ADJUSTMENT FOR SHOULDER WIDENING FOR GUARDRAIL END TREATMENTS TYPE I & TYPE 4A
5. REMOVED GUARDRAIL TO BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE DEPARTMENT
6. INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES
7. TO BE USED FOR SUBGRADE STABILIZATION. SEE GEOTECH NOTE 12.
8. INCLUDES QUANTITY CARRYOVER FROM PERF. PIPE SUMMARY SHEET.
9. SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

TOTAL PROJECT EARTHWORK

EXCAVATION	EMBANKMENT
157,724 CU. YD. COMMON	181,836 CU. YD. EMBANKMENT
75,657 CU. YD. ROCK	8,197 CU. YD. REFILL
2,824 CU. YD. SURF. DTS.	190,033 CU. YD.
14,099 CU. YD. EMB. BENCHES	14,099 CU. YD. EMB. BENCHES
17,272 CU. YD. TRANS. BENCHES	17,272 CU. YD. TRANS. BENCHES
267,576 CU. YD.	221,404 CU. YD.

WASTE: 46,172 CU. YD.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY
KY 146 RECONSTRUCTION
SHEET 1 OF 2

MicroStation v8.11.7.443 E-SHEET NAME: USER: jslugantz DATE PLOTTED: December 2, 2022 FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002GFSU.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002F

REVISED 12-06-22

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	SHEET R003	SHEET R005	SHEET R007	SHEET R009	SHEET R011	SHEET R013	SHEET R015	SHEET R017	SHEET R019	SHEET R021	SHEET R023	SHEET R025						PROJECT TOTALS
78	CRUSHED AGGREGATE SIZE NO 2 (7)(8)	TON																		1,227
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM																		1
1310	REMOVE PIPE	LF			37					75										112
1691	FLUME INLET TYPE 2	EACH			2															2
1891	ISLAND HEADER CURB TY 2	LF			4	66														70
1987	DELINEATORS FOR GUARDRAIL B/W	EACH																		68
2003	RELOCATE TEMP CONC BARRIER (6)(9)	LF																		350
2014	BARRICADE TYPE III (6)	EACH																		6
2091	REMOVING PAVEMENT	SQ YD		544	143	1,050	2,828	2,678	700											7,943
2159	TEMPORARY DITCH	LF																		8,274
2200	ROADWAY EXCAVATION (4)	CU YD																		267,576
2242	WATER (1)	M GAL																		1,000
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF		962.50	623.19	514.31	731.90	280.60						275						3,387.5
2360	GUARDRAIL TERMINAL SECTION TYPE 1	EACH		1	2		3	2						1						9
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH												2						2
2373	GUARDRAIL END TREATMENT TYPE 3	EACH		1																1
2381	REMOVE GUARDRAIL (5)	LF			453	515						246	232	300						1,746
2391	GUARDRAIL END TREATMENT TYPE 4A (6)	EACH		2	2	2		1						1						11
2397	TEMP GUARDRAIL (6)	LF																		362.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	6	20	16	21	8	9	18	6	13	7	19	17						160
2432	WITNESS POST	EACH																		4
2483	CHANNEL LINING CLASS II	TON			26	64			125		26	81	81	335						738
2484	CHANNEL LINING CLASS III	TON		52	87	20	30	208	47	117	41	30	57							689
2545	CLEARING AND GRUBBING (2)	LP SUM																		1
2555	CONCRETE - CLASS B (3)	CU YD								1										1
2562	SIGNS (TEMPORARY) (6)	SQ FT																		800
2568	MOBILIZATION	LP SUM																		1
2569	DEMOBILIZATION	LP SUM																		1
2585	EDGE KEY	LF	154	21		16		15					18	23						247
2602	FABRIC-GEOTEXTILE CLASS 1 (7)	SQ YD																		3,544
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM																		1
2651	DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	LP SUM																		1
2671	PORTABLE CHANGEABLE MESSAGE SIGN (6)	EACH																		2
2696	SHOULDER RUMBLE STRIPS	LF																		34,456
2701	TEMPORARY SILT FENCE	LF																		8,274
2703	SILT TRAP TYPE A	EACH																		60
2704	SILT TRAP TYPE B	EACH																		60
2705	SILT TRAP TYPE C	EACH																		60
2706	CLEAN SILT TRAP TYPE A	EACH																		60
2707	CLEAN SILT TRAP TYPE B	EACH																		60
2708	CLEAN SILT TRAP TYPE C	EACH																		60
2720	SIDEWALK-4 IN CONCRETE	SQ YD												4						4
2726	STAKING	LP SUM																		1
2731	REMOVE STRUCTURE (2.5'X2.5' RCBC STA. 149+22)	LP SUM				1														1
2731	REMOVE STRUCTURE (4'X3' RCBC STA. 167+15)	LP SUM						1												1
2731	REMOVE STRUCTURE (4'X4' RCBC STA. 177+45)	LP SUM						1												1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 184+62)	LP SUM							1											1
2731	REMOVE STRUCTURE (8'X6' RCBC STA. 191+65)	LP SUM							1											1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 204+17)	LP SUM								1										1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 209+40)	LP SUM								1										1
2731	REMOVE STRUCTURE (DBL 10'X6' RCBC STA. 217+75)	LP SUM									1									1
2731	REMOVE STRUCTURE (3'X2' RCBC STA. 230+46)	LP SUM										1								1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 239+71)	LP SUM										1								1
2731	REMOVE STRUCTURE (2.5'X1.5' RCBC STA. 245+37)	LP SUM											1							1
2731	REMOVE STRUCTURE (5'X4' RCBC STA. 251+94)	LP SUM											1							1
2731	REMOVE STRUCTURE 3'X3' RCBC STA. 258+32)	LP SUM												1						1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 263+35)	LP SUM												1						1
2898	RELOCATE CRASH CUSHION (6)(9)	EACH																		2
3171	CONCRETE BARRIER WALL TYPE 9T (6)(9)	LF																		500
5950	EROSION CONTROL BLANKET	SQ YD	767	1,177	456	764	1,958	2,073	2,183	2,153	2,015	1,573	1,694	1,089						17,902

NOTES:

1. FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
2. APPROXIMATELY 59.96 ACRES
3. FOR PARTIALLY GROUTED RIPRAP
4. QUANTITY INCLUDES ADJUSTMENT FOR SHOULDER WIDENING FOR GUARDRAIL END TREATMENTS TYPE I & TYPE 4A
5. REMOVED GUARDRAIL TO BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE DEPARTMENT
6. INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES
7. TO BE USED FOR SUBGRADE STABILIZATION. SEE GEOTECH NOTE 12.
8. INCLUDES QUANTITY CARRYOVER FROM PERF. PIPE SUMMARY SHEET.
9. SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

TOTAL PROJECT EARTHWORK

EXCAVATION	EMBANKMENT
157,724 CU. YD. COMMON	181,836 CU. YD. EMBANKMENT
75,657 CU. YD. ROCK	8,197 CU. YD. REFILL
2,824 CU. YD. SURF. DTS.	190,033 CU. YD.
14,099 CU. YD. EMB. BENCHES	14,099 CU. YD. EMB. BENCHES
17,272 CU. YD. TRANS. BENCHES	17,272 CU. YD. TRANS. BENCHES
267,576 CU. YD.	221,404 CU. YD.

WASTE: 46,172 CU. YD.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY
KY 146 RECONSTRUCTION
SHEET 1 OF 2

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002GFSU.DGN
USER: jslugantz
DATE PLOTTED: December 2, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002G

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	SHEET R003	SHEET R005	SHEET R007	SHEET R009	SHEET R011	SHEET R013	SHEET R015	SHEET R017	SHEET R019	SHEET R021	SHEET R023	SHEET R025						PROJECT TOTALS
5952	TEMPORARY MULCH	SQ YD																		193,506
5953	TEMP SEEDING AND PROTECTION	SQ YD																		145,130
5963	INITIAL FERTILIZER	TON																		10
5964	MAINTENANCE FERTILIZER	TON																		10
5985	SEEDING AND PROTECTION	SQ YD																		168,586
5989	SPECIAL SEEDING CROWN VETCH	SQ YD																		72,269
5992	AGRICULTURAL LIMESTONE	TON																		191
6511	PAVE STRIPING-TEMP PAINT-6 IN	LF																		25,442
6515	PAVE STRIPING-PERM PAINT-6 IN	LF																		58,371
6531	PAVE STRIPING REMOVAL-6 IN	LF																		6,360
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF																		28
8901	CRASH CUSHION TY VI CLASS BT TL2 (1)(2)	EACH																		4
10020NS	FUEL ADJUSTMENT	DOLL																		145,411
10030NS	ASPHALT ADJUSTMENT	DOLL																		119,313
20458ES403	CENTERLINE RUMBLE STRIPS	LF																		16,709
20550ND	SAWCUT PAVEMENT	LF																		247
20191ED	OBJECT MARKER TY 3	EACH																		11
23274EN11F	TURF REINFORCEMENT MAT 1	SQ YD	218	1,075	2,562	1,707	1,917	1,856	1,007	561	752	775	661	535						13,626
23275EN11F	TURF REINFORCEMENT MAT 2	SQ YD												24						24
23276EN11F	TURF REINFORCEMENT MAT 3	SQ YD				10				14										24
23277EN11F	TURF REINFORCEMENT MAT 4	SQ YD												32						32
24814EC	PIPELINE INSPECTION	LF																		2,108
25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	EACH				4														4
23019EN	ASPHALT MILLING AND TEXTURING	SQ YD												400						400

NOTES:

(1) INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES

(2) SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY
KY 146 RECONSTRUCTION
SHEET 2 OF 2

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jsluganz
DATE PLOTTED: December 2, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002GSU.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002G

REVISED 12-06-22

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	SHEET R003	SHEET R005	SHEET R007	SHEET R009	SHEET R011	SHEET R013	SHEET R015	SHEET R017	SHEET R019	SHEET R021	SHEET R023	SHEET R025						PROJECT TOTALS
	FROM PREVIOUS SHEET																			
5952	TEMPORARY MULCH	SQ YD																		193,506
5953	TEMP SEEDING AND PROTECTION	SQ YD																		145,130
5963	INITIAL FERTILIZER	TON																		10
5964	MAINTENANCE FERTILIZER	TON																		10
5985	SEEDING AND PROTECTION	SQ YD																		168,586
5989	SPECIAL SEEDING CROWN VETCH	SQ YD																		72,269
5992	AGRICULTURAL LIMESTONE	TON																		191
6511	PAVE STRIPING-TEMP PAINT-6 IN	LF																		25,442
6515	PAVE STRIPING-PERM PAINT-6 IN	LF																		58,371
6531	PAVE STRIPING REMOVAL-6 IN	LF																		6,360
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF																		28
8901	CRASH CUSHION TY VI CLASS BT TL2 (1)(2)	EACH																		4
10020NS	FUEL ADJUSTMENT	DOLL																		145,411
10030NS	ASPHALT ADJUSTMENT	DOLL																		119,313
20458ES403	CENTERLINE RUMBLE STRIPS	LF																		16,709
20550ND	SAWCUT PAVEMENT	LF																		247
20191ED	OBJECT MARKER TY 3	EACH																		11
23274EN11F	TURF REINFORCEMENT MAT 1	SQ YD	218	1,075	2,562	1,707	1,917	1,856	1,007	561	752	775	661	535						13,626
23275EN11F	TURF REINFORCEMENT MAT 2	SQ YD												24						24
23276EN11F	TURF REINFORCEMENT MAT 3	SQ YD				10				14										24
23277EN11F	TURF REINFORCEMENT MAT 4	SQ YD												32						32
24814EC	PIPELINE INSPECTION	LF																		2,108
25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	EACH				4														4
23019EN	ASPHALT MILLING AND TEXTURING	SQ YD												400						400

NOTES:

(1) INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES

(2) SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY
KY 146 RECONSTRUCTION
SHEET 2 OF 2

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jsluganz
DATE PLOTTED: December 2, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002GSU.DGN

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002H

SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	ENTRANCE PIPE 15 IN	ENTRANCE PIPE 18 IN	ENTRANCE PIPE 24 IN	CULVERT PIPE-18 IN	CULVERT PIPE-24 IN	CULVERT PIPE-30 IN	CULVERT PIPE-36 IN	CULVERT PIPE-42 IN	CULVERT PIPE-48 IN	CULVERT PIPE-54 IN	CULVERT PIPE-60 IN	CULVERT PIPE-66 IN	CULVERT PIPE-42 IN EQ	CULVERT PIPE-78 IN EQ	STORM SEWER PIPE-15 IN	STORM SEWER PIPE-24 IN	STORM SEWER PIPE-36 IN	PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	PIPE CULVERT HEADWALL-42 IN	PIPE CULVERT HEADWALL-48 IN	PIPE CULVERT HEADWALL-54 IN	CONTINUED ON PIPE DRAINAGE SUMMARY SHEET 2 OF 4
ITEM CODE					440	441	443	462	464	466	468	469	470	471	472	473	498	505	521	524	528	1204	1208	1210	1212	1214	1216	24026EC	
UNIT TO BID					LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
	MAINLINE																												
3	101+30																												
	TO			MED															354										
	104+82.62																												
3	104+82.81																												
	TO			MED																85									
	104+82.62																												
5	108+40 LT			MED	76																								
5	110+06 LT			MED	92																								
5	116+05.15																												
	TO			MED																	141.06				2				
	117+51.62																												
5	115+26.06																												
	TO			MED																	223.15				1				
	117+51.62																												
7	124+21.61	46°37'39" RT	13.09	MED										219															2
9	149+24	18°00'00" RT	7.06	MED							79														2				
9	149+73 LT			MED			47																						
9	149+73 LT			MED	41																								
11	155+00 RT			MED	54																								
11	158+00 RT			MED			78																						
11	160+20.76	11°54'39" RT	11.41	MED					126														2						
13	167+55.40	19°16'01" RT	19.08	MED								192														2			
13	176+59.46	36°29'25" LT	9.95	MED									169														2		
15	181+20 LT			MED	42																								
15	184+65.20		16.31	MED									166														2		
15	190+00 LT			MED	41																								
15	192+00	17°00'00" RT	14.27	MED												89													
15	193+32 LT			MED	39																								
17	197+99.19	5°14'32" LT	3.01	MED					99														2						
17	204+39.58	20°25'21" RT	0.98	MED										82															1
17	209+26.19	7°48'59" LT	6.27	MED										119															2
17	209+91 LT			MED	43																								
19	217+00 LT			MED	51																								
19	217+86.12	4°43'29" RT	6.64	MED																									
19	218+88 LT			MED			65																						

① FOR WRAPPING PIPE TRENCH BACKFILL

CONTINUED ON PIPE DRAINAGE SUMMARY SHEET 3 OF 4

PIPE DRAINAGE SUMMARY
KY 146 RECONSTRUCTION
SHEET 1 OF 4

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002HSU.DGN

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002H

REVISED 12-06-22

SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	ENTRANCE PIPE 15 IN	ENTRANCE PIPE 18 IN	ENTRANCE PIPE 24 IN	CULVERT PIPE-18 IN	CULVERT PIPE-24 IN	CULVERT PIPE-30 IN	CULVERT PIPE-36 IN	CULVERT PIPE-42 IN	CULVERT PIPE-48 IN	CULVERT PIPE-54 IN	CULVERT PIPE-60 IN	CULVERT PIPE-66 IN	CULVERT PIPE-42 IN EQ	CULVERT PIPE-78 IN EQ	STORM SEWER PIPE-15 IN	STORM SEWER PIPE-24 IN	STORM SEWER PIPE-36 IN	PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	PIPE CULVERT HEADWALL-42 IN	PIPE CULVERT HEADWALL-48 IN	PIPE CULVERT HEADWALL-54 IN
ITEM CODE					440	441	443	462	464	466	468	469	470	471	472	473	498	505	521	524	528	1204	1208	1210	1212	1214	1216	24026EC
UNIT TO BID					LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH
	MAINLINE																											
3	101+30																											
	TO			MED															354									
	104+82.62																											
3	104+82.81																											
	TO			MED																85								
	104+82.62																											
5	108+40 LT			MED	76																							
5	110+06 LT			MED	92																							
5	116+05.15																											
	TO			MED																	141.06				2			
	117+51.62																											
5	115+26.06																											
	TO			MED																	223.15				1			
	117+51.62																											
7	124+21.61	46°37'39" RT	13.09	MED										219														2
9	149+24	18°00'00" RT	7.06	MED							79														2			
9	149+73 LT			MED			47																					
9	149+73 LT			MED	41																							
11	155+00 RT			MED	54																							
11	158+00 RT			MED			78																					
11	160+20.76	11°54'39" RT	11.41	MED					126														2					
13	167+55.40	19°16'01" RT	19.08	MED								192														2		
13	176+59.46	36°29'25" LT	9.95	MED									169														2	
15	181+20 LT			MED	42																							
15	184+65.20		16.31	MED									166														2	
15	190+00 LT			MED	41																							
15	192+00	17°00'00" RT	14.27	MED												89												
15	193+32 LT			MED	39																							
17	197+99.19	5°14'32" LT	3.01	MED					99														2					
17	204+39.58	20°25'21" RT	0.98	MED										82														1
17	209+26.19	7°48'59" LT	6.27	MED										119														2
17	209+91 LT			MED	43																							
19	217+00 LT			MED	51																							
19	217+86.12	4°43'29" RT	6.64	MED																								
19	218+88 LT			MED			65																					

CONTINUED ON PIPE DRAINAGE SUMMARY SHEET 2 OF 4

① FOR WRAPPING PIPE TRENCH BACKFILL

CONTINUED ON PIPE DRAINAGE SUMMARY SHEET 3 OF 4

PIPE DRAINAGE SUMMARY
KY 146 RECONSTRUCTION
SHEET 1 OF 4

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002HSU.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	ITEM CODE UNIT TO BID																						REMARKS
					1220 EACH	1222 EACH	1398 EACH	1424 EACH	1425 EACH	1451 EACH	1452 EACH	1496 EACH	1767 EACH	260Z SQ YD	8100 CU YD	1643 EACH	1645 EACH	1646 EACH	1649 EACH	242562EC EACH	239526EC EACH	21799EN LF	241866EC LF	233326EC LF	26181EC LF	26182EC LF	20166ES810 LF	
	MAINLINE																										
3	101+30																										TEMPORARY PIPE
	TO			MED								1	1	492							1						
	104+82.62																										BORE AND JACK PIPE-66 IN
3	104+82.81																										
	TO			MED								1		147	1.68												JUNCTION BOX TYPE B
	104+82.62																										
																											BORE AND JACK PIPE-24 IN
5	108+40 LT			MED																							
																											JUNCTION BOX -42IN
5	110+06 LT			MED																							
																											JUNCTION BOX -36IN
5	116+05.15																										
	TO			MED									1	306													SKEWED HDWLS
	117+51.62																										JUNCTION BOX -24IN
5	117+51.62																										
	TO			MED										484													JUNCTION BOX -96IN
5	115+26.06																										
	TO			MED										621													SKEWED HDWLS
	117+51.62																										
7	124+21.61	46°37'39" RT	13.09																								
														172			1					58					SKEWED HDWLS
9	149+24	18°00'00" RT	7.06	MED																							
9	149+73 LT			MED																							
9	149+73 LT			MED																							
9	149+73 LT			MED																							
11	155+00 RT			MED																							
11	158+00 RT			MED																							
11	160+20.76	11°54'39" RT	11.41	MED										217													2 S&F HDWLS
13	167+55.40	19°16'01" RT	19.08	MED										459													SKEWED HDWLS
13	176+59.46	36°29'25" LT	9.95	MED										442													SKEWED HDWLS
15	181+20 LT			MED																							
15	184+65.20		16.31	MED										434													
15	190+00 LT			MED																							
15	192+00	17°00'00" RT	14.27	MED		2								332			1				60						SKEWED HDWLS
15	193+32 LT			MED																							
17	197+99.19	5°14'32" LT	3.01	MED										171													2-S&F HDWL
17	204+39.58	20°25'21" RT	0.98	MED										233													SKEWED HDWL
17	209+26.19	7°48'59" LT	6.27	MED										338													SKEWED HDWLS
17	209+91 LT			MED																							
19	217+00 LT			MED																							
19	217+86.12	4°43'29" RT	6.64	MED																							20'X7' RCBC W/HDWLS
19	218+88 LT			MED																							

① FOR WRAPPING PIPE TRENCH BACKFILL

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002I

PIPE DRAINAGE SUMMARY
KY 146 RECONSTRUCTION
SHEET 2 OF 4

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002015U.DGN

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002I

REVISED 12-06-22

CONTINUED FROM PIPE DRAINAGE SUMMARY SHEET 1 OF 4	SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	PIPE CULVERT HEADWALL-60 IN	PIPE CULVERT HEADWALL-66 IN	METAL END SECTION TY 3-54 IN	METAL END SECTION TY 4-42 IN EQ	METAL END SECTION TY 3-78 IN EQ	S&F BOX INLET - OUTLET-24 IN	S&F BOX INLET - OUTLET-30 IN	DROP BOX INLET TYPE 3	MANHOLE TYPE C	① FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	CONCRETE-CLASS A	JUNCTION BOX -24IN	JUNCTION BOX -36IN	JUNCTION BOX -42IN	JUNCTION BOX -60IN	JUNCTION BOX -66IN	JUNCTION BOX TYPE B	BORE AND JACK PIPE-24 IN	BORE AND JACK PIPE-36 IN	BORE AND JACK PIPE-42 IN	BORE AND JACK PIPE-60 IN	BORE AND JACK PIPE-66 IN	TEMPORARY PIPE	REMARKS
	ITEM CODE					1220	1222	1398	1424	1425	1451	1452	1496	1767	2607	8100	1643	1645	1646	1649	24252EC	23952EC	21799EN	24186EC	23332EC	26181EC	26182EC	20166ES8I0	
	UNIT TO BID					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	CU YD	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	
		MAINLINE																											
	3	101+30																											
		TO			MED								1	1	492							1							
		104+82.62																											
	3	104+82.81																											
		TO			MED								1		147	1.68													
		104+82.62																											
	5	108+40 LT			MED																								
	5	110+06 LT			MED																								
	5	116+05.15																											
		TO			MED									1	306														SKEWED HDWLS
		117+51.62																											
	5	115+26.06																											
		TO			MED										484														
		117+51.62																											
	7	124+21.61	46° 37' 39" RT	13.09	MED										621														SKEWED HDWLS
	9	149+24	18° 00' 00" RT	7.06	MED										172			1						58					SKEWED HDWLS
	9	149+73 LT			MED																								
	9	149+73 LT			MED																								
	11	155+00 RT			MED																								
	11	158+00 RT			MED																								
	11	160+20.76	11° 54' 39" RT	11.41	MED										217														2 S&F HDWLS
	13	167+55.40	19° 16' 01" RT	19.08	MED										459														SKEWED HDWLS
	13	176+59.46	36° 29' 25" LT	9.95	MED										442														SKEWED HDWLS
	15	181+20 LT			MED																								
	15	184+65.20		16.31	MED										434														
	15	190+00 LT			MED																								
	15	192+00	17° 00' 00" RT	14.27	MED		2								332						1						60		SKEWED HDWLS
	15	193+32 LT			MED																								
	17	197+99.19	5° 14' 32" LT	3.01	MED										171														2-S&F HDWL
	17	204+39.58	20° 25' 21" RT	0.98	MED			1							233														SKEWED HDWL
	17	209+26.19	7° 48' 59" LT	6.27	MED										338														SKEWED HDWLS
	17	209+91 LT			MED																								
	19	217+00 LT			MED																								
	19	217+86.12	4° 43' 29" RT	6.64	MED																								20'X7' RCBC W/HDWLS
	19	218+88 LT			MED																								

① FOR WRAPPING PIPE TRENCH BACKFILL

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002I01SU.DGN

PIPE DRAINAGE SUMMARY

| SHEET NO. | | SKEW | COVER HEIGHT | DESIGN pH LEVEL | ITEM CODE | | |

PIPE DRAINAGE SUMMARY

| SHEET NO. | | SKEW | COVER HEIGHT | DESIGN pH LEVEL | ITEM CODE | | |

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002K

CONTINUED FROM PIPE DRAINAGE SUMMARY SHEET 3 OF 4	SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	PIPE CULVERT HEADWALL-60 IN	PIPE CULVERT HEADWALL-66 IN	METAL END SECTION TY 3-54 IN	METAL END SECTION TY 4-42 IN EQ	METAL END SECTION TY 3-78 IN EQ	S&F BOX INLET - OUTLET-24 IN	S&F BOX INLET - OUTLET-30 IN	DROP BOX INLET TYPE 3	MANHOLE TYPE C	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE ①	CONCRETE-CLASS A	JUNCTION BOX -24IN	JUNCTION BOX -36IN	JUNCTION BOX -42IN	JUNCTION BOX -60IN	JUNCTION BOX -66IN	JUNCTION BOX TYPE B	BORE AND JACK PIPE-24 IN	BORE AND JACK PIPE-36 IN	BORE AND JACK PIPE-42 IN	BORE AND JACK PIPE-60 IN	BORE AND JACK PIPE-66 IN	TEMPORARY PIPE	REMARKS
	ITEM CODE					1220	1222	1398	1424	1425	1451	1452	1496	1767	2607	8100	1643	1645	1646	1649	24252EC	23952EC	21799EN	24186EC	23332EC	26181EC	26182EC	20166ES810	
	UNIT TO BID					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	CU YD	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	
	21	225+24.02		1.19	MED										123														
	21	230+18 LT			MED																								
	21	230+45.38		2.93	MED										142														
	21	231+44 LT			MED																								
	21	234+89.43	13°52'10" RT	1.48	MED						1				133														
	21	239+60	2°00'00" LT	10.12	MED										177				1					61					
	23	241+14 LT			MED																								
	23	245+55	8°00'00" LT	8.93	MED										174		1						54						2-S&F HDWL
	23	251+08 LT			MED																								
	23	252+10	7°00'00" LT	8.59	MED	2									200					1						68			
	25	257+63 LT			MED																								
	25	258+28.69	12°01'54" LT	1.65	MED				2						189														
	25	261+43 LT			MED																								
	25	263+03 LT			MED																								
	25	263+38.82	6°52'44" RT	1.00	MED					2					296														
		ROSEHILL LN																											
	9	9+45.85	1°22'48" RT	1.96	MED						2				87														
	9	8+46 LT			MED																								
		DAWKINS LN																											
	13	9+31.65		3.40	MED										121														
		BROKO LN																											
	23	9+57.07	0°55'50" LT	1.97	MED										75														2-S&F HDWL
		TEMPORARY																											
		PIPE																											
	38	CONN. NO.1																											
		8+65 RT																										75	TEMP. - 24" PIPE
	40	141+00 LT																										46	TEMP. - 18" PIPE
	40	145+00 LT																										58	TEMP. - 18" PIPE
	42	175+00 RT																										60	TEMP. - 18" PIPE
		TOTALS				2	2	1	2	2	3	0	2	2	6565	1.68	1	1	1	1	1	1	54	58	61	68	60	239	

① FOR WRAPPING PIPE TRENCH BACKFILL

PIPE DRAINAGE SUMMARY
KY 146 RECONSTRUCTION
SHEET 4 OF 4

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002KSU.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002K

REVISED 12-06-22

CONTINUED FROM PIPE DRAINAGE SUMMARY SHEET 3 OF 4	SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	PIPE CULVERT HEADWALL-60 IN	PIPE CULVERT HEADWALL-66 IN	METAL END SECTION TY 3-54 IN	METAL END SECTION TY 4-42 IN EQ	METAL END SECTION TY 3-78 IN EQ	S&F BOX INLET - OUTLET-24 IN	S&F BOX INLET - OUTLET-30 IN	DROP BOX INLET TYPE 3	MANHOLE TYPE C	① FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	CONCRETE-CLASS A	JUNCTION BOX -24IN	JUNCTION BOX -36IN	JUNCTION BOX -42IN	JUNCTION BOX -60IN	JUNCTION BOX -66IN	JUNCTION BOX TYPE B	BORE AND JACK PIPE-24 IN	BORE AND JACK PIPE-36 IN	BORE AND JACK PIPE-42 IN	BORE AND JACK PIPE-60 IN	BORE AND JACK PIPE-66 IN	TEMPORARY PIPE	REMARKS
	ITEM CODE					1220	1222	1398	1424	1425	1451	1452	1496	1767	2607	8100	1643	1645	1646	1649	24252EC	23952EC	21799EN	24186EC	23332EC	26181EC	26182EC	20166ES810	
	UNIT TO BID					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	CU YD	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	
	21	225+24.02		1.19	MED										123														
	21	230+18 LT			MED																								
	21	230+45.38		2.93	MED										142														
	21	231+44 LT			MED																								
	21	234+89.43	13°52'10" RT	1.48	MED						1				133														
	21	239+60	2°00'00" LT	10.12	MED										177				1					61					
	23	241+14 LT			MED																								
	23	245+55	8°00'00" LT	8.93	MED										174		1						54						2-S&F HDWL
	23	251+08 LT			MED																								
	23	252+10	7°00'00" LT	8.59	MED	2									200					1						68			
	25	257+63 LT			MED																								
	25	258+28.69	12°01'54" LT	1.65	MED				2						189														
	25	261+43 LT			MED																								
	25	263+03 LT			MED																								
	25	263+38.82	6°52'44" RT	1.00	MED					2					296														
		ROSEHILL LN																											
	9	9+45.85	1°22'48" RT	1.96	MED						2				87														
	9	8+46 LT			MED																								
		DAWKINS LN																											
	13	9+31.65		3.40	MED										121														
		BROKO LN																											
	23	9+57.07	0°55'50" LT	1.97	MED										75														2-S&F HDWL
		TEMPORARY																											
		PIPE																											
	38	CONN. NO.1																											
		8+65 RT																										75	TEMP. - 24" PIPE
	40	141+00 LT																										46	TEMP. - 18" PIPE
	40	145+00 LT																										58	TEMP. - 18" PIPE
	42	175+00 RT																										60	TEMP. - 18" PIPE
		TOTALS				2	2	1	2	2	3	0	2	2	6565	1.68	1	1	1	1	1	1	54	58	61	68	60	239	

① FOR WRAPPING PIPE TRENCH BACKFILL

PIPE DRAINAGE SUMMARY
KY 146 RECONSTRUCTION
SHEET 4 OF 4

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\SUMMARIES\R002KSU.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R009

RIGHT OF WAY CALLS

- Ⓐ S 5°18'04" E 522.07'
- Ⓑ RADIUS = 810.00'
  ARC LENGTH = 327.15'
  CHORD LENGTH = 324.93'
  BEARING = S 77°03'06" E
- Ⓒ S 4°45'16" E 128.31'
- Ⓓ S 88°37'21" E 350.01'
- Ⓔ S 7°31'55" W 106.74'
- Ⓕ N 7°34'34" W 66.53'
- Ⓖ N 7°34'34" W 9.67'
- Ⓗ RADIUS = 730.00'
  ARC LENGTH = 162.04'
  CHORD LENGTH = 161.71'
  BEARING = N 70°17'11" W
- Ⓘ S 19°49'32" E 47.94'
- Ⓙ S 19°49'32" E 78.93'
- Ⓚ N 88°37'21" W 45.88'
- Ⓛ RADIUS = 730.00'
  ARC LENGTH = 4.64'
  CHORD LENGTH = 4.64'
  BEARING = N 88°26'25" W
- Ⓜ S 1°38'10" E 103.25'
- Ⓝ N 19°49'32" W 158.14'
- Ⓞ S 35°38'49" W 86.04'
- Ⓟ N 88°37'21" W 68.25'
- Ⓠ S 54°01'00" E 30.30'
- Ⓡ S 35°39'06" W 65.22'
- Ⓢ N 88°37'21" W 36.66'

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+36.12	2' F.B. SURF. DT.	CL. II	25 TONS
138+50 TO 140+50	2' F.B. SURF. DT.	TRM I	304 S.Y.
140+50 TO 142+50•	SPL. 2' F.B. DT.	TRM I	441 S.Y.
ROSEHILL LANE 9+45.85 LT.	2' F.B. INLET	CL. III	20 TONS
ROSEHILL LANE 9+45.85 RT.•	2' F.B. OUTLET	CL. II	13 TONS
143+50 TO 144+00	SPL. 2' F.B. DT.	TRM I	62 S.Y.
144+00 TO 146+50	NORMAL DT.	TRM I	303 S.Y.
146+50 TO 149+40.13	SPL. 2' F.B. DT.	TRM I	264 S.Y.
149+33.91	2' F.B. INLET	TRM I	24 S.Y.
149+73.48 ENTR. RT.•	SPL. 2' F.B. DT.	TRM I	29 S.Y.
149+73.48 ENTR.	2' F.B. OUTLET	TRM III	10 S.Y.
149+73.48 ENTR.	2' F.B. INLET	TRM I	6 S.Y.
ROSEHILL LANE			
7+50 LT TO 8+30.24 LT	SPL. 2' F.B. DT.	TRM I	91 S.Y.
8+64.77 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	ECB	139 S.Y.
9+08.89 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	TRM I	39 S.Y.
7+50 RT TO 9+00 RT	NORMAL DT.	ECB	209 S.Y.
9+00 RT TO 9+51.47 RT	SPL. 2' F.B. DT.	ECB	68 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	47 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	65 S.Y.

• - DEPTH TO PROTECT = 1.5'

ISLAND HEADER CURB TY 2

LT. STA. 135+00 TO STA. 135+05.40, CONST. 6 L.F.

LT. STA. 136+33.88 TO STA. 136+59.07, CONST. 25 L.F.

STEEL "W" BEAM GUARDRAIL

LT. STA. 135+00 TO STA. 135+05.40, CONST. 5.40 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

LT. STA. 136+34.07 TO STA. 139+23.19, CONST. 250.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

REMOVE PAVEMENT

RT. STA. 143+63.28 TO RT. STA 148+52.22
REMOVE 1,050 SQ. YD. OF EXISTING PAVEMENT

R/W MONUMENT - TYPE 1

LT. STA. 135+00 TO STA. 150+00, CONST. 11

REMOVE GUARDRAIL

LT. STA. 135+00 TO STA. 135+08.48, REMOVE 9 L.F.

LT. STA. 136+36.71 TO STA. 138+80.77, REMOVE 244 L.F.

EDGE KEY

ROSEHILL LANE STA. 7+50.00, CONST. 16 LF OF EDGE KEY

REMOVE EXISTING STRUCTURE

LT. STA. 149+16 TO STA. 149+43, REMOVE EXIST. 2.5' X 2.5' RCBC.

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
149+73	RESIDENTIAL	15	129	- -	9	22	31	47' of 24" PIPE	- -
149+73	RESIDENTIAL	12	70	- -	5	12	17	41' of 15" PIPE	- -
ROSEHILL LANE									
8+46 LT.	RESIDENTIAL	12	108	- -	7	18	26	39' of 15" PIPE	- -

MATCHLINE STA. 150+00 - SEE SHEET NO. 11

SEE SHEET R009A, DETAIL A

SEE SHEET R009A, DETAIL B

SEE SHEET NO. 7 - MATCHLINE STA. 135+00

ROSEHILL LANE
P.I. STA. 8+48.10
Delta = 33°00'27.34" RT.
T = 63.41'
L = 123.28'
R = 214.00'
E = 9.20'
e = 8.00%
RUNOFF = SEE CROSS SECTION
RUNOUT = SEE CROSS SECTION

℄ KY 146 RECONSTRUCTION

℄ ROSEHILL LANE

℄ KY 146 STA. 143+00.00 =
℄ ROSEHILL LANE STA. 10+00.00

P.I. STA. 146+78.81
Delta = 68°44'34.95" LT.
T = 841.30'
L = 1475.74'
R = 1230.00'
E = 260.20'
e = 7.6%
RUNOFF = 194.04'
RUNOUT = 51.06'

JERRY G.WHITAKER
BRANDI A.WHITAKER

JEFFREY NICHOLS

JIMMY B.ADAMS
VONDA R.ADAMS (wf.)

ROGER G.TAYLOR,JR ET UX

DANNY SHAIN
SUSAN SHAIN

LITTLE KENTUCKY RIVER

REMOVE GUARDRAIL

RT. STA. 135+00 TO STA. 135+18.87, REMOVE 19 L.F.

RT. STA. 136+47.18 TO STA. 138+89.03, REMOVE 243 L.F.

STEEL "W" BEAM GUARDRAIL

RT. STA. 135+00 TO STA. 135+21.41, CONST. 21.42 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

RT. STA. 136+49.92 TO STA. 139+23.08, CONST. 237.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

R/W MONUMENT - TYPE 1

RT. STA. 135+00 TO STA. 150+00, CONST. 10

ISLAND HEADER CURB TY 2

RT. STA. 135+12.16 TO STA. 135+21.41, CONST. 10 L.F.

RT. STA. 136+50.08 TO STA. 136+75.08, CONST. 25 L.F.

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
143+00	RESIDENTIAL	12	117	- -	8	20	28	- -	- -
146+74	RESIDENTIAL	12	74	- -	5	12	18	- -	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+32.44	2' F.B. SURF. DT.	TRM I	32 S.Y.
144+00 TO 146+50	2' F.B. SURF. DT.	ECB	348 S.Y.
148+91.35•	2' F.B. OUTLET	CL. II	26 TONS

• - DEPTH TO PROTECT = 2.0'

0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN\R009000PL.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R009

REVISED 12-06-22

RIGHT OF WAY CALLS

- Ⓐ S 5°18'04" E 522.07'
- Ⓑ RADIUS = 810.00'
  ARC LENGTH = 327.15'
  CHORD LENGTH = 324.93'
  BEARING = S 77°03'06" E
- Ⓒ S 4°45'16" E 128.31'
- Ⓓ S 88°37'21" E 350.01'
- Ⓔ S 73°31'55" W 106.74'
- Ⓕ N 73°34'34" W 66.53'
- Ⓖ N 73°34'34" W 9.67'
- Ⓗ RADIUS = 730.00'
  ARC LENGTH = 162.04'
  CHORD LENGTH = 161.71'
  BEARING = N 70°17'11" W
- Ⓘ S 19°49'32" E 47.94'
- Ⓙ S 19°49'32" E 78.93'
- Ⓚ N 88°37'21" W 45.88'
- Ⓛ RADIUS = 730.00'
  ARC LENGTH = 4.64'
  CHORD LENGTH = 4.64'
  BEARING = N 88°26'25" W
- Ⓜ S 1°38'10" E 103.25'
- Ⓝ N 19°49'32" W 158.14'
- Ⓞ S 35°38'49" W 86.04'
- Ⓟ N 88°37'21" W 68.25'
- Ⓠ S 54°01'00" E 30.30'
- Ⓡ S 35°39'06" W 65.22'
- Ⓢ N 88°37'21" W 36.66'

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+36.12	2' F.B. SURF. DT.	CL. II	25 TONS
138+50 TO 140+50	2' F.B. SURF. DT.	TRM I	304 S.Y.
140+50 TO 142+50•	SPL. 2' F.B. DT.	TRM I	441 S.Y.
ROSEHILL LANE 9+45.85 LT.	2' F.B. INLET	CL. III	20 TONS
ROSEHILL LANE 9+45.85 RT.•	2' F.B. OUTLET	CL. II	13 TONS
143+50 TO 144+00	SPL. 2' F.B. DT.	TRM I	62 S.Y.
144+00 TO 146+50	NORMAL DT.	TRM I	303 S.Y.
146+50 TO 149+40.13	SPL. 2' F.B. DT.	TRM I	264 S.Y.
149+33.91	2' F.B. INLET	TRM I	24 S.Y.
149+73.48 ENTR. RT.•	SPL. 2' F.B. DT.	TRM I	29 S.Y.
149+73.48 ENTR.	2' F.B. OUTLET	TRM III	10 S.Y.
149+73.48 ENTR.	2' F.B. INLET	TRM I	6 S.Y.
ROSEHILL LANE			
7+50 LT TO 8+30.24 LT	SPL. 2' F.B. DT.	TRM I	91 S.Y.
8+64.77 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	ECB	139 S.Y.
9+08.89 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	TRM I	39 S.Y.
7+50 RT TO 9+00 RT	NORMAL DT.	ECB	209 S.Y.
9+00 RT TO 9+51.47 RT	SPL. 2' F.B. DT.	ECB	68 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	47 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	65 S.Y.

• - DEPTH TO PROTECT = 1.5'

ISLAND HEADER CURB TY 2
LT. STA. 135+00 TO STA. 135+05.40, CONST. 6 L.F.

LT. STA. 136+33.88 TO STA. 136+59.07, CONST. 25 L.F.

STEEL "W" BEAM GUARDRAIL
LT. STA. 135+00 TO STA. 135+05.40, CONST. 5.40 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

LT. STA. 136+34.07 TO STA. 139+23.19, CONST. 250.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

REMOVE PAVEMENT
RT. STA. 143+63.28 TO RT. STA 148+52.22 REMOVE 1,050 SQ. YD. OF EXISTING PAVEMENT

R/W MONUMENT - TYPE 1
LT. STA. 135+00 TO STA. 150+00, CONST. 11

REMOVE GUARDRAIL
LT. STA. 135+00 TO STA. 135+08.48, REMOVE 9 L.F.

LT. STA. 136+36.71 TO STA. 138+80.77, REMOVE 244 L.F.

EDGE KEY
ROSEHILL LANE STA. 7+50.00, CONST. 16 LF OF EDGE KEY

REMOVE EXISTING STRUCTURE
LT. STA. 149+16 TO STA. 149+43, REMOVE EXIST. 2.5' X 2.5' RCBC.

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
149+73	RESIDENTIAL	15	129	- -	9	22	31	47' of 24" PIPE	- -
149+73	RESIDENTIAL	12	70	- -	5	12	17	41' of 15" PIPE	- -
ROSEHILL LANE									
8+46 LT.	RESIDENTIAL	12	108	- -	7	18	26	39' of 15" PIPE	- -

MATCHLINE STA. 150+00 - SEE SHEET NO. 11

SEE SHEET R009A, DETAIL A

SEE SHEET R009A, DETAIL B

SEE SHEET NO. 7

ROSEHILL LANE
P.I. STA. 8+48.10
Delta = 33°00'27.34" RT.
T = 63.41'
L = 123.28'
R = 214.00'
E = 9.20'
e = 8.00%
RUNOFF = SEE CROSS SECTION
RUNOUT = SEE CROSS SECTION

℄ KY 146 RECONSTRUCTION

℄ ROSEHILL LANE

℄ KY 146 STA. 143+00.00 = ℄ ROSEHILL LANE STA. 10+00.00

P.I. STA. 146+78.81
Delta = 68°44'34.95" LT.
T = 841.30'
L = 1475.74'
R = 1230.00'
E = 260.20'
e = 7.6%
RUNOFF = 194.04'
RUNOUT = 51.06'

JEFFREY NICHOLS — P 22

JERRY G.WHITAKER
BRANDI A.WHITAKER — P 24

JIMMY B.ADAMS
VONDA R.ADAMS (wf.) — P 19

ROGER G.TAYLOR,JR ET UX — P 13

ROGER G.TAYLOR,JR ET UX — P 21

DANNY SHAIN
SUSAN SHAIN — P 25

DANNY SHAIN
SUSAN SHAIN — P 23

LITTLE KENTUCKY RIVER

POB 7+03.22
PC 7+84.70
PT 9+07.98
PI 8+48.10
PI 146+78.81
140+00
145+00

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
143+00	RESIDENTIAL	12	117	- -	8	20	28	- -	- -
146+74	RESIDENTIAL	12	74	- -	5	12	18	- -	- -

REMOVE GUARDRAIL
RT. STA. 135+00 TO STA. 135+18.87, REMOVE 19 L.F.

RT. STA. 136+47.18 TO STA. 138+89.03, REMOVE 243 L.F.

STEEL "W" BEAM GUARDRAIL
RT. STA. 135+00 TO STA. 135+21.41, CONST. 21.42 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

RT. STA. 136+49.92 TO STA. 139+23.08, CONST. 237.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

R/W MONUMENT - TYPE 1
RT. STA. 135+00 TO STA. 150+00, CONST. 10

ISLAND HEADER CURB TY 2
RT. STA. 135+12.16 TO STA. 135+21.41, CONST. 10 L.F.

RT. STA. 136+50.08 TO STA. 136+75.08, CONST. 25 L.F.

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+32.44	2' F.B. SURF. DT.	TRM I	32 S.Y.
144+00 TO 146+50	2' F.B. SURF. DT.	ECB	348 S.Y.
148+91.35•	2' F.B. OUTLET	CL. II	26 TONS

• - DEPTH TO PROTECT = 2.0'

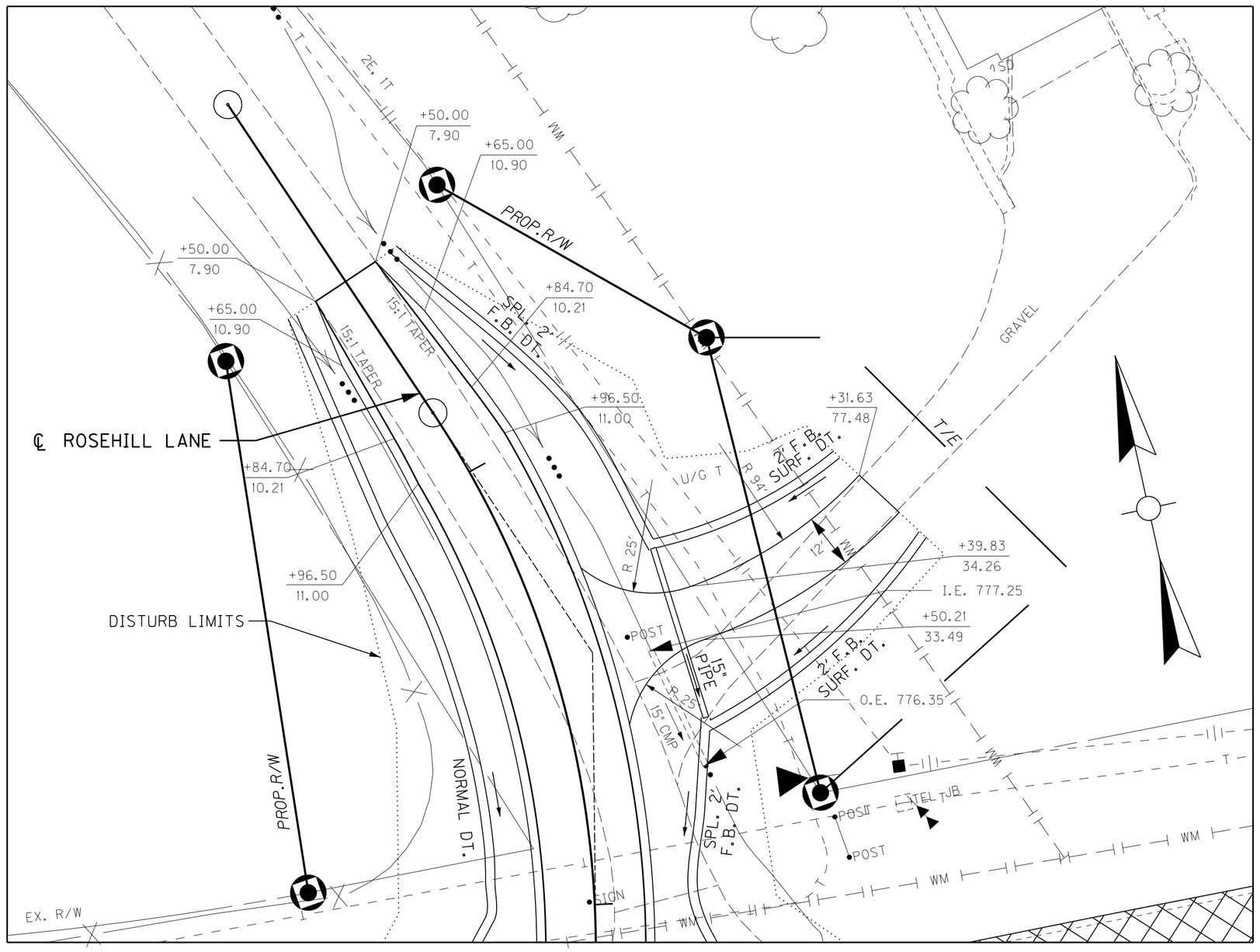
0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

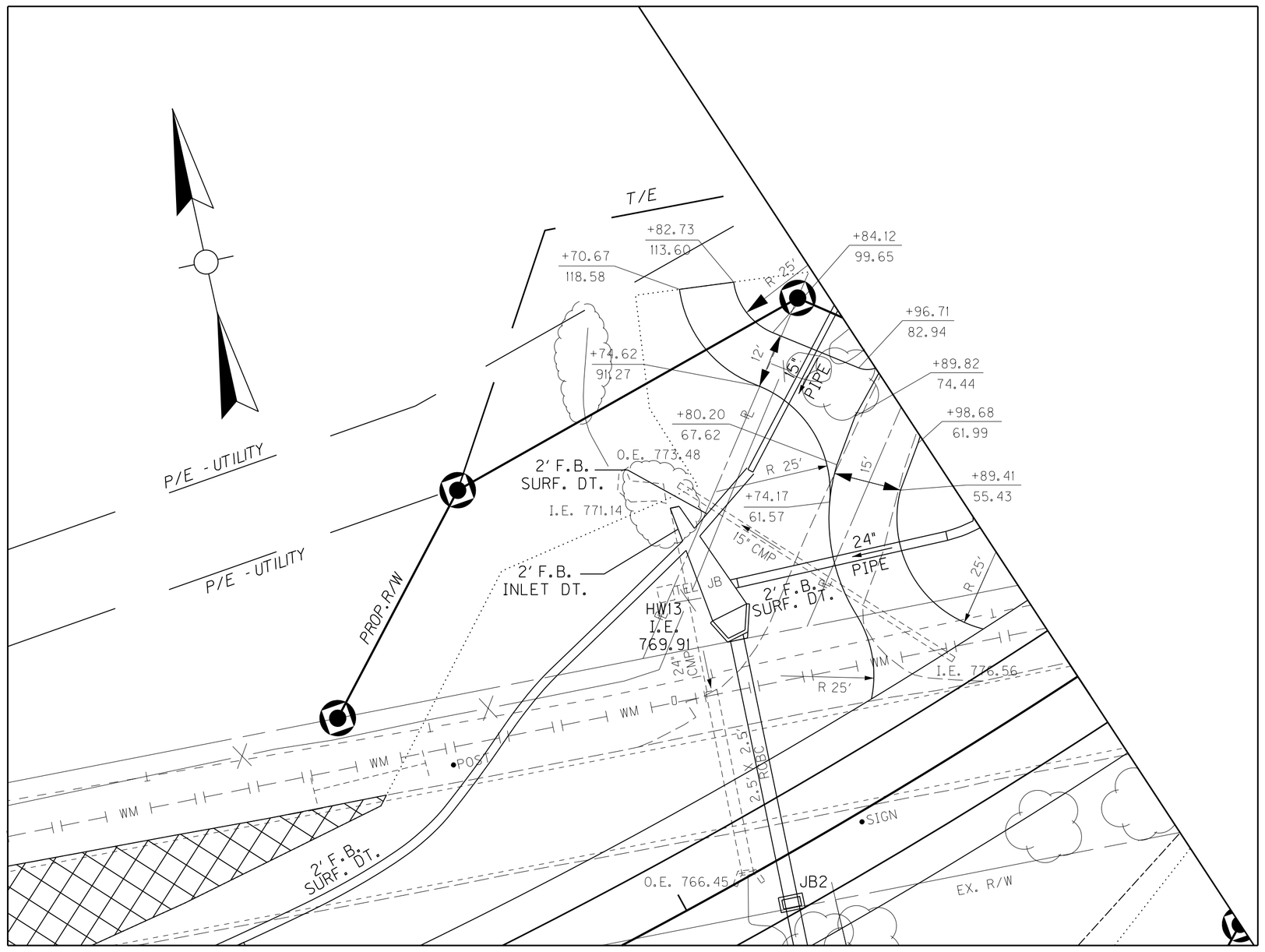
MicroStation v8.11.7.443
E-SHEET NAME:
USER: jsluganTz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN\R009OPL.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R009A

DETAIL A



DETAIL B



SCALE: 1"=20'

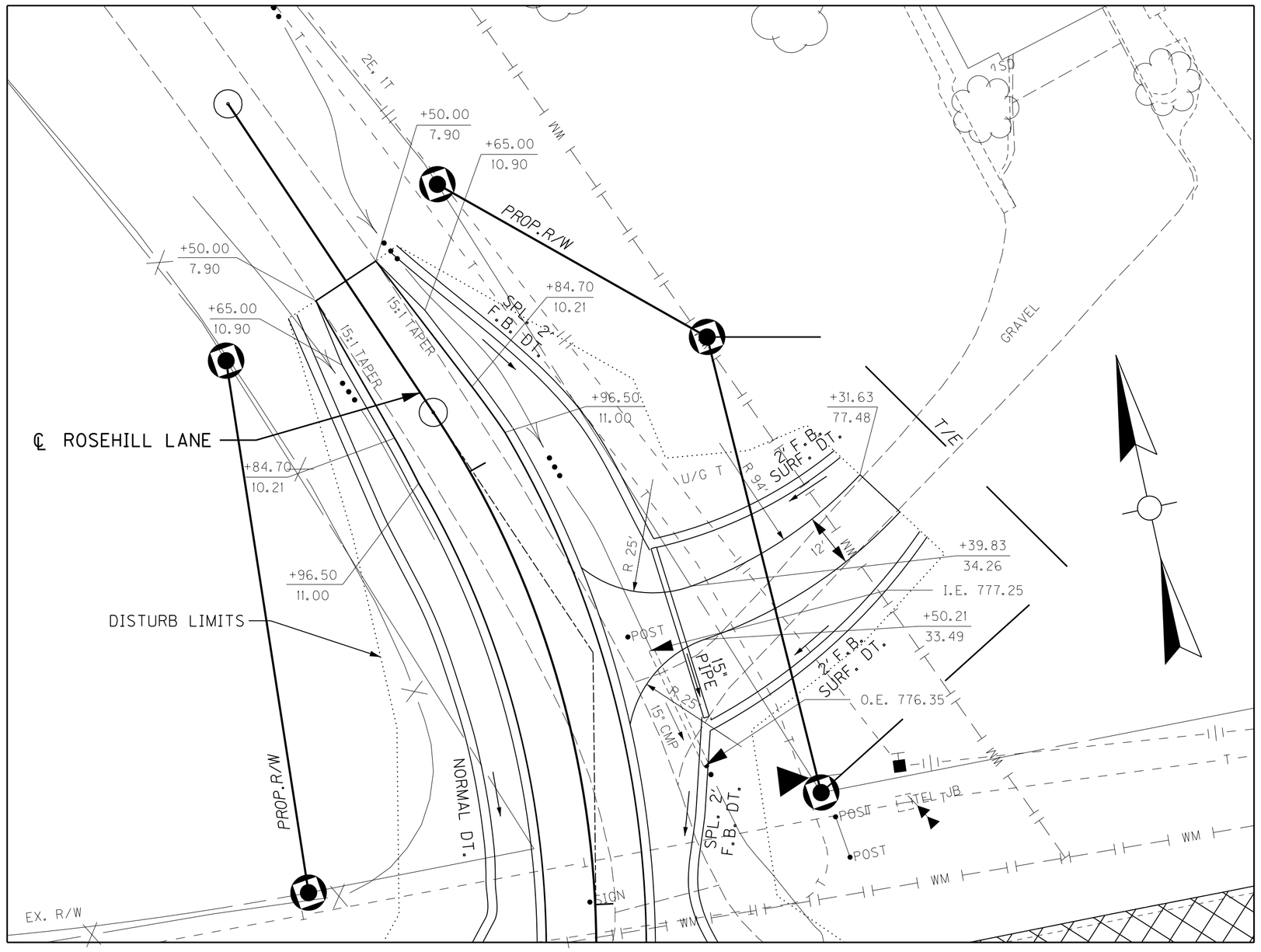
PLAN SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jsluggantz | DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN\R009APL.DGN

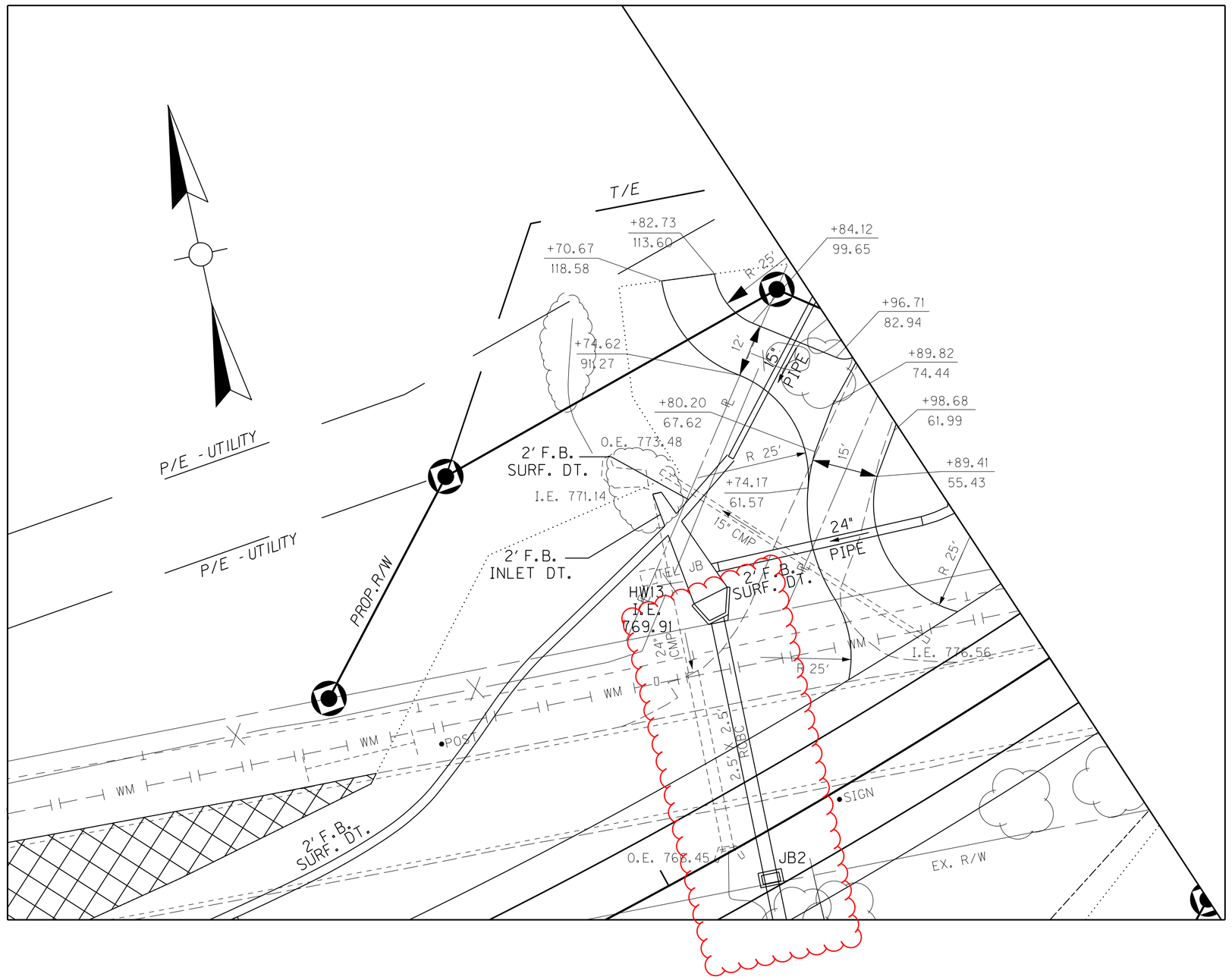
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R009A

REVISED 12-06-22

DETAIL A



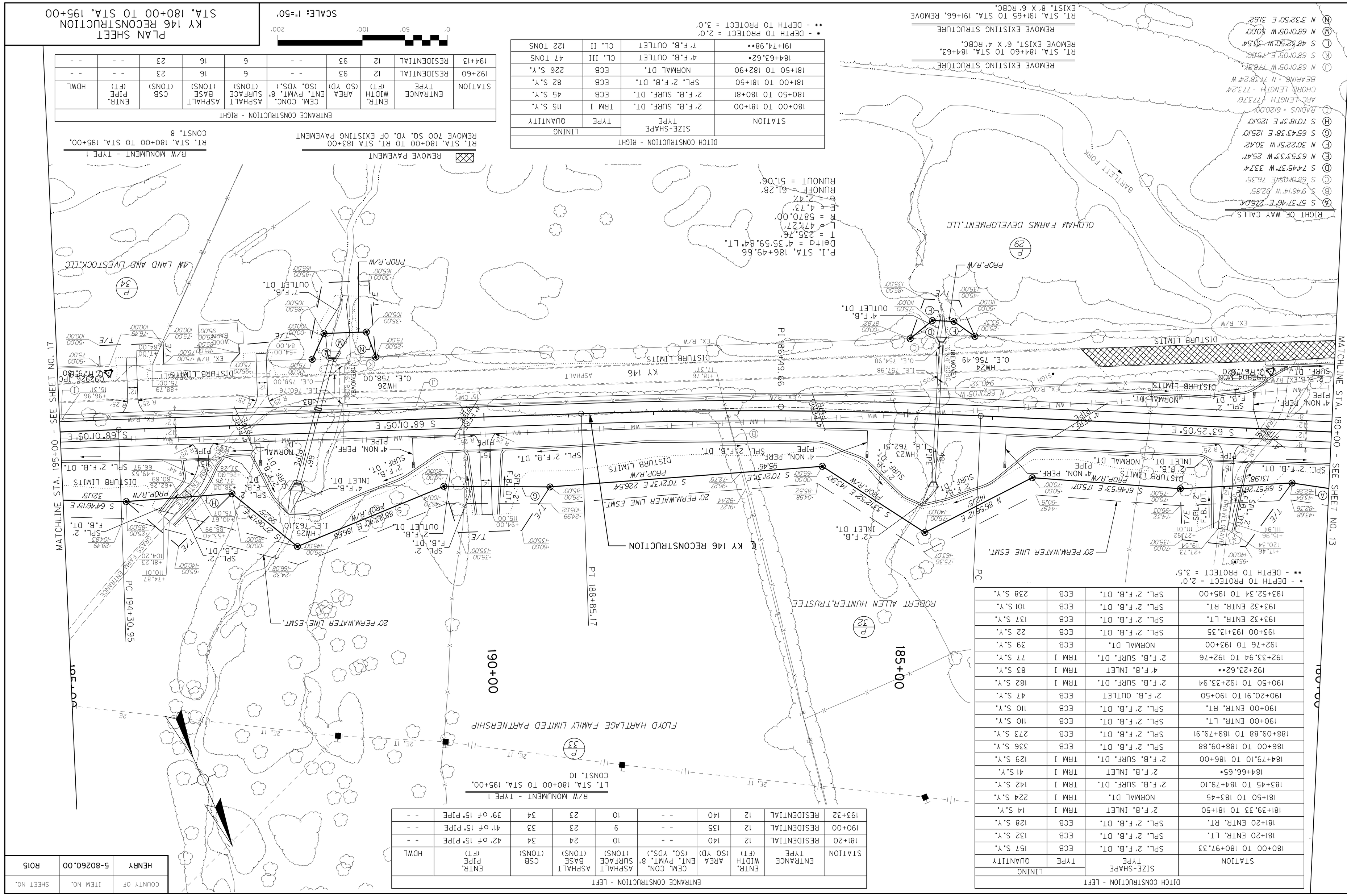
DETAIL B



SCALE: 1"=20'

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jsluggntz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN\R009APL.DGN


MATCHLINE STA. 195+00 - SEE SHEET NO. 17
MATCHLINE STA. 180+00 - SEE SHEET NO. 13
PC 194+30.95
PT 188+85.17
190+00
185+00
S 68°01'05" E
S 63°25'05" E
KY 146 RECONSTRUCTION
DISTURB LIMITS
EX. R/W
PROP. R/W
20' PERM. WATER LINE ESMT.
REMOVE EXISTING STRUCTURE
REMOVE PAVEMENT
R/W MONUMENT - TYPE 1
RT. STA. 180+00 TO STA. 195+00
RT. STA. 180+00 TO RT. STA 183+00
REMOVE 700 SQ. YD. OF EXISTING PAVEMENT
CONST. 8
CONST. 10
P.I. STA. 186+49.66
Delta = 4°35'59.84" LT.
T = 235.76'
L = 471.27'
R = 5870.00'
E = 4.73'
e = 2.4%
RUNOFF = 61.28'
RUNOUT = 51.06'
FLOYD HARTLAGE FAMILY LIMITED PARTNERSHIP
ROBERT ALLEN HUNTER TRUSTEE
OLDHAM FARMS DEVELOPMENT, LLC
4W LAND AND LIVESTOCK, LLC
BARTLETT FORK
RIGHT OF WAY CALLS
A S 57°37'46" E 2750.04'
B S 9°46'14" W 92.85'
C S 68°01'05" E 76.35'
D S 74°45'37" W 337.4'
E N 63°53'33" W 25.47'
F S 30°22'57" W 30.42'
G S 65°43'38" E 125.01'
H S 70°18'37" E 125.01'
J RADIUS = 6120.00'
ARC LENGTH = 773.76'
CHORD LENGTH = 773.24'
BEARING = N 73°38'24" W
K N 68°01'05" W 77.83'
L S 68°01'05" E 75.83'
M S 48°52'50" W 33.54'
N N 68°01'05" W 50.00'
P N 37°25'07" E 31.62'
HW24 0.E. 756.49
HW23 I.E. 762.51
HW25 I.E. 763.10
HW26 0.E. 758.00
I.E. 757.98
0.E. 754.98
I.E. 760.76
0.E. 758.00
I.E. 762.98
I.E. 763.10
0.E. 758.00

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

SCALE: 1"=50'

ENTRANCE CONSTRUCTION - RIGHT								
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
192+60	RESIDENTIAL	12	93	- -	6	16	23	- -	- -
194+13	RESIDENTIAL	12	93	- -	6	16	23	- -	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
180+00 TO 181+00	2', F.B. SURF. DT.	TRM I	115 S.Y.
180+50 TO 180+81	2', F.B. SURF. DT.	ECB	45 S.Y.
181+00 TO 181+50	SPL. 2', F.B. DT.	ECB	82 S.Y.
181+50 TO 182+90	NORMAL DT.	ECB	226 S.Y.
184+63.62•	4', F.B. OUTLET	CL. III	47 TONS
191+74.98••	7', F.B. OUTLET	CL. II	122 TONS

• - DEPTH TO PROTECT = 2.0'
•• - DEPTH TO PROTECT = 3.0'

R/W MONUMENT - TYPE 1
LT. STA. 180+00 TO STA. 195+00, CONST. 10

REMOVE PAVEMENT
RT. STA. 180+00 TO RT. STA 183+00
REMOVE 700 SQ. YD. OF EXISTING PAVEMENT

R/W MONUMENT - TYPE 1
RT. STA. 180+00 TO STA. 195+00, CONST. 8

P.I. STA. 186+49.66
Delta = 4°35'59.84" LT.
T = 235.76'
L = 471.27'
R = 5870.00'
E = 4.73'
e = 2.4%
RUNOFF = 61.28'
RUNOUT = 51.06'

REMOVE EXISTING STRUCTURE
RT. STA. 184+60 TO STA. 184+63, REMOVE EXIST. 6' X 4' RCBC.

REMOVE EXISTING STRUCTURE
RT. STA. 191+65 TO STA. 191+66, REMOVE EXIST. 8' X 6' RCBC.

RIGHT OF WAY CALLS
(A) S 57°37'46" E 2750.04'
(B) S 9°46'14" W 92.85'
(C) S 68°01'05" E 76.35'
(D) S 74°45'37" W 337.4'
(E) N 63°53'33" W 25.47'
(F) N 30°22'57" W 304.2'
(G) S 65°43'38" E 125.01'
(H) S 70°18'31" E 125.01'
(I) RADIUS = 612.00'
ARC LENGTH = 773.76'
CHORD LENGTH = 773.24'
BEARING = N 7°38'24" W
(J) N 68°01'05" W 778.38'
(K) S 68°01'05" E 775.80'
(L) S 48°52'50" W 33.54'
(M) N 68°01'05" W 50.00'
(N) N 3°32'50" E 316.2'

MATCHLINE STA. 180+00 - SEE SHEET NO. 13
MATCHLINE STA. 195+00 - SEE SHEET NO. 17
PI 186+49.66
PC 194+30.95
PT 188+85.17
190+00
185+00
S 68°01'05" E
S 63°25'05" E
S 68°01'05" E
S 68°01'05" E
S 70°21'37" E 226.54'
S 37°52'52" E 143.90'
S 68°23'40" E 186.68'
N 85°59'12" E 142.15'
S 64°45'15" E
S 68°46'53" E 175.07'
KY 146 RECONSTRUCTION
KY 146
ASPHALT
OLDHAM FARMS DEVELOPMENT,LLC
4W LAND AND LIVESTOCK,LLC
ROBERT ALLEN HUNTER,TRUSTEE
FLOYD HARTLAGE FAMILY LIMITED PARTNERSHIP
BARTLETT FORK
DISTURB LIMITS
EX. R/W
PROP.R/W
20' PERM.WATER LINE ESMT.
REMOVE EXISTING STRUCTURE
REMOVE EXISTING PIPE
HW24 O.E. 756.49
HW25 O.E. 758.00
HW23 I.E. 762.51
HW25 I.E. 763.10
HW24 I.E. 757.98
4' NON. PERF. PIPE
NORMAL DT.
INLET DT.
SPL. 2' F.B. DT.
SURF. 2' F.B. DT.
7' F.B. OUTLET DT.
4' F.B. OUTLET DT.
2' F.B. INLET DT.
2' F.B. OUTLET DT.
F.B. 2' SURF. DT.
T/E
(P 29) (P 34) (P 32) (P 33)

ENTRANCE CONSTRUCTION - LEFT

STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
181+20	RESIDENTIAL	12	140	- -	10	24	34	42' OF 15" PIPE	- -
190+00	RESIDENTIAL	12	135	- -	9	23	33	41' OF 15" PIPE	- -
193+32	RESIDENTIAL	12	140	- -	10	23	34	39' OF 15" PIPE	- -

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
180+00 TO 180+97.33	SPL. 2', F.B. DT.	ECB	157 S.Y.
181+20 ENTR. LT.	SPL. 2', F.B. DT.	ECB	132 S.Y.
181+20 ENTR. RT.	SPL. 2', F.B. DT.	ECB	128 S.Y.
181+39.33 TO 181+50	2', F.B. INLET	TRM I	14 S.Y.
181+50 TO 183+45	NORMAL DT.	TRM I	224 S.Y.
183+45 TO 184+79.10	2', F.B. SURF. DT.	TRM I	142 S.Y.
184+66.65•	2', F.B. INLET	TRM I	41 S.Y.
184+79.10 TO 186+00	2', F.B. SURF. DT.	TRM I	129 S.Y.
186+00 TO 188+09.88	SPL. 2', F.B. DT.	ECB	336 S.Y.
188+09.88 TO 189+79.91	SPL. 2', F.B. DT.	ECB	273 S.Y.
190+00 ENTR. LT.	SPL. 2', F.B. DT.	ECB	110 S.Y.
190+00 ENTR. RT.	SPL. 2', F.B. DT.	ECB	110 S.Y.
190+20.91 TO 190+50	2', F.B. OUTLET	ECB	47 S.Y.
190+50 TO 192+33.94	2', F.B. SURF. DT.	TRM I	182 S.Y.
192+23.62••	4', F.B. INLET	TRM I	83 S.Y.
192+33.94 TO 192+76	2', F.B. SURF. DT.	TRM I	77 S.Y.
192+76 TO 193+00	NORMAL DT.	ECB	39 S.Y.
193+00 193+13.35	SPL. 2', F.B. DT.	ECB	22 S.Y.
193+32 ENTR. LT.	SPL. 2', F.B. DT.	ECB	137 S.Y.
193+32 ENTR. RT.	SPL. 2', F.B. DT.	ECB	101 S.Y.
193+52.34 TO 195+00	SPL. 2', F.B. DT.	ECB	238 S.Y.

• - DEPTH TO PROTECT = 2.0'
•• - DEPTH TO PROTECT = 3.5'

REVISED 12-06-22		
COUNTY OF HENRY	ITEM NO. 5-80260.00	SHEET NO. R015

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3806-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN R015OOPL.DGN

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

SCALE: 1"=50'

0' 50' 100' 200'

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
238+69	RESIDENTIAL	16	150	- -	10	25	36	- -	- -

RIGHT OF WAY CALLS

Ⓐ RADIUS = 8730.00'
ARC LENGTH = 469.42'
CHORD LENGTH = 469.37'
BEARING = S 57°33'36" E

Ⓑ N 84°40'20" W 140.89'

Ⓒ S 73°36'13" E 522.44'

Ⓓ S 43°06'55" E 839.37'

Ⓔ S 32°40'01" W 11.37'

Ⓕ RADIUS = 8790.00'
ARC LENGTH = 58.82'
CHORD LENGTH = 58.82'
BEARING = N 58°36'45" W

Ⓖ S 43°06'55" E 42.52'

Ⓗ RADIUS = 8790.00'
ARC LENGTH = 41.22'
CHORD LENGTH = 41.22'
BEARING = N 58°17'17" W

R/W MONUMENT - TYPE 1
RT. STA. 225+00 TO STA. 240+00, CONST. 5

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
239+66.73 TO 240+00	2' F.B. SURF. DT.	TRM I	35 S.Y.
239+62.83•	4' F.B. OUTLET	CL. III••	30 TONS
236+50 TO 238+38•	NORMAL DT.	ECB	302 S.Y.
234+76.92	2' F.B. OUTLET	CL. II	25 TONS
230+44.62•	2' F.B. OUTLET	CL. II	36 TONS
225+24.06•	2' F.B. OUTLET	CL. II	20 TONS

• - DEPTH TO PROJECT = 1.5'
•• - PARTIALLY GROUTED RIPRAP - USE 1 CU. YD. CONCRETE CLASS "B"

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
225+23.99 TO 227+50	SPL. 2' F.B. DT.	TRM I	260 S.Y.
227+50 TO 227+95•	NORMAL DT.	ECB	94 S.Y.
228+27 TO 229+95.40	SPL. 2' F.B. DT.	TRM I	157 S.Y.
229+41.35 TO 230+46.06	SPL. 2' F.B. DT.	TRM I	9 S.Y.
230+46.06	2' F.B. INLET	TRM I	18 S.Y.
230+46.06 TO 231+25	2' F.B. SURF. DT.	TRM I	82 S.Y.
231+62 TO 234+00	SPL. 2' F.B. DT.	ECB	361 S.Y.
234+00 TO 234+46	NORMAL DT.	ECB	75 S.Y.
234+46 TO 235+00	SPL. 2' F.B. DT.	ECB	89 S.Y.
234+98.97	2' F.B. INLET	TRM I	5 S.Y.
235+00 TO 235+50	SPL. 2' F.B. DT.	TRM I	59 S.Y.
235+50 TO 238+50	NORMAL DT.	ECB	484 S.Y.
238+74.51 ENTR. LT.	SPL. 2' F.B. DT.	ECB	78 S.Y.
238+74.51 ENTR. RT.	SPL. 2' F.B. DT.	ECB	90 S.Y.
239+00 TO 239+57.71	SPL. 2' F.B. DT.	TRM I	76 S.Y.
239+57.71•	2' F.B. INLET	TRM I	31 S.Y.
239+57.71 TO 240+00	SPL. 2' F.B. DT.	TRM I	43 S.Y.

• - DEPTH TO PROJECT = 2.0'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
228+10	RESIDENTIAL	12	60	- -	3	6	9	- -	- -
230+19	RESIDENTIAL	12	64	- -	4	11	15	46' OF 15" PIPE	- -
231+44	RESIDENTIAL	12	51	- -	4	9	12	37' OF 15" PIPE	- -
238+75	RESIDENTIAL	12	98	- -	7	16	24	- -	- -

REMOVE GUARDRAIL
LT. STA. 238+96.67 TO STA. 240+00, REMOVE 114 L.F.

REMOVE EXISTING STRUCTURE
LT. STA. 238+75.87 TO STA. 240+00, REMOVE 132 L.F.

REMOVE EXISTING STRUCTURE
LT. STA. 230+46, REMOVE EXIST. 3' X 2' RCBC.

R/W MONUMENT - TYPE 1
LT. STA. 225+00 TO STA. 240+00, CONST. 2

REMOVE EXISTING STRUCTURE
LT. STA. 239+68 TO STA. 239+71, REMOVE EXIST. 10' X 6' RCBC.

P.I. STA. 235+59.65
Delta = 2°20'27.50" RT.
T = 206.36'
L = 412.66'
R = 10100.00'
E = 2.11'
e = N.C.

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	RO2I

MATCHLINE STA. 240+00 - SEE SHEET NO. 23

MATCHLINE STA. 225+00 - SEE SHEET NO. 19

BARLETT FORK

4W LAND AND LIVESTOCK,LLC

J & D INVESTMENTS LLC

MICHAEL E.WALMER ET AL

RONALD M.PATT
CAROL ANN PATT (WF.)

TINA STAMBAUGH

LAWRENCE E.DEAN,JR.

PT 237+65.96

PC 233+53.29

235+00

230+00

℄ KY 146 RECONSTRUCTION

KY 146

S 56°45'34" E

S 59°06'02" E

N 38°45'19" W 210.30'

N 60°37'52" W 273.62'

N 58°51'25" W 248.91'

N 57°01'04" W 550.36'

N 67°57'46" W 200.25'

PROP.R/W

EX. R/W

NORMAL DT.

DISTURB LIMITS

OUTLET DT. 2' F.B. PROP.R/W

INLET DT. 2' F.B.

SPL. 2' F.B. DT.

TEMP. SHEET PILE

TEMP. SHEET PILE (REMOVE)

TEMP. SHEET PILE (REMOVE) 20' PERM.WATER LINE ESMT.

TEMP. SHEET PILE (REMOVE) TIE FOR BUILDING REMOVAL AND ROADWAY DRAINAGE AND ENTRANCE CONSTRUCTION

GRAVEL FARM ENTRANCE

ASPHALT

GRAVEL

LEACH FIELD

SHED

BARN

WOOD

1-STY RES

1½-STY RES

CMP

RCBC

PIPE

HW40 I.E. 784.64

HW41 I.E. 780.26

HW39 I.E. 777.06

HW37 I.E. 773.44

HW36 I.E. 774.47

HW38 I.E. 782.21

HW34 I.E. 773.55

HW35 O.E. 772.55

O.E. 772.49

O.E. 773.02

O.E. 774.16

O.E. 774.42

O.E. 773.41

O.E. 773.31

O.E. 782.92

O.E. 780.05

O.E. 783.63

I.E. 776.14

I.E. 774.42

I.E. 774.31

I.E. 782.92

I.E. 780.05

I.E. 783.63

I.E. 784.64

I.E. 780.26

I.E. 777.06

I.E. 773.44

I.E. 774.47

I.E. 782.21

I.E. 773.55

I.E. 772.55

I.E. 772.49

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

SCALE: 1"=50'

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
238+69	RESIDENTIAL	16	150	- -	10	25	36	- -	- -

R/W MONUMENT - TYPE 1
RT. STA. 225+00 TO STA. 240+00, CONST. 5

RIGHT OF WAY CALLS

Ⓐ RADIUS = 8730.00'
ARC LENGTH = 469.42'
CHORD LENGTH = 469.37'
BEARING = S 57°33'36" E

Ⓑ N 84°40'20" W 140.89'

Ⓒ S 73°36'13" E 522.4'

Ⓓ S 43°06'55" E 839.3'

Ⓔ S 32°40'01" W 11.37'

Ⓕ RADIUS = 8790.00'
ARC LENGTH = 58.82'
CHORD LENGTH = 58.82'
BEARING = N 58°36'45" W

Ⓖ S 43°06'55" E 42.52'

Ⓗ RADIUS = 8790.00'
ARC LENGTH = 41.22'
CHORD LENGTH = 41.22'
BEARING = N 58°17'17" W

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
239+66.73 TO 240+00	2' F.B. SURF. DT.	TRM I	35 S.Y.
239+62.83•	4' F.B. OUTLET	CL. III••	30 TONS
236+50 TO 238+38•	NORMAL DT.	ECB	302 S.Y.
234+76.92	2' F.B. OUTLET	CL. II	25 TONS
230+44.62•	2' F.B. OUTLET	CL. II	36 TONS
225+24.06•	2' F.B. OUTLET	CL. II	20 TONS

• - DEPTH TO PROJECT = 1.5'
•• - PARTIALLY GROUTED RIPRAP - USE 1 CU. YD. CONCRETE CLASS "B"

DITCH CONSTRUCTION - LEFT				
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	
225+23.99 TO 227+50	SPL. 2', F.B. DT.	TRM I	260 S.Y.	
227+50 TO 227+95•	NORMAL DT.	ECB	94 S.Y.	
228+27 TO 229+95.40	SPL. 2', F.B. DT.	TRM I	157 S.Y.	
230+41.35 TO 230+46.06	SPL. 2', F.B. DT.	TRM I	9 S.Y.	
230+46.06	2', F.B. INLET	TRM I	18 S.Y.	
230+46.06 TO 231+25	2', F.B. SURF. DT.	TRM I	82 S.Y.	
231+62 TO 234+00	SPL. 2', F.B. DT.	ECB	361 S.Y.	
234+00 TO 234+46	NORMAL DT.	ECB	75 S.Y.	
234+46 TO 235+00	SPL. 2', F.B. DT.	ECB	89 S.Y.	
234+98.97	2', F.B. INLET	TRM I	5 S.Y.	
235+00 TO 235+50	SPL. 2', F.B. DT.	TRM I	59 S.Y.	
235+50 TO 238+50	NORMAL DT.	ECB	484 S.Y.	
238+74.51 ENTR. LT.	SPL. 2', F.B. DT.	ECB	78 S.Y.	
238+74.51 ENTR. RT.	SPL. 2', F.B. DT.	ECB	90 S.Y.	
239+00 TO 239+57.71	SPL. 2', F.B. DT.	TRM I	76 S.Y.	
239+57.71•	2', F.B. INLET	TRM I	31 S.Y.	
239+57.71 TO 240+00	SPL. 2', F.B. DT.	TRM I	43 S.Y.	

• - DEPTH TO PROJECT = 2.0'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
228+10	RESIDENTIAL	12	60	- -	3	6	9	- -	- -
230+19	RESIDENTIAL	12	64	- -	4	11	15	46' OF 15" PIPE	- -
231+44	RESIDENTIAL	12	51	- -	4	9	12	37' OF 15" PIPE	- -
238+75	RESIDENTIAL	12	98	- -	7	16	24	- -	- -

REMOVE GUARDRAIL
LT. STA. 238+96.67 TO STA. 240+00, REMOVE 114 L.F.

LT. STA. 238+75.87 TO STA. 240+00, REMOVE 132 L.F.

R/W MONUMENT - TYPE 1
LT. STA. 225+00 TO STA. 240+00, CONST. 2

REMOVE EXISTING STRUCTURE
LT. STA. 230+46, REMOVE EXIST. 3' X 2' RCBC.

REMOVE EXISTING STRUCTURE
LT. STA. 239+68 TO STA. 239+71, REMOVE EXIST. 10' X 6' RCBC.

P.I. STA. 235+59.65
Delta = 2°20'27.50" RT.
T = 206.36'
L = 412.66'
R = 10100.00'
E = 2.11'
e = N.C.

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R021

REVISED 12-06-22

MATCHLINE STA. 240+00 - SEE SHEET NO. 23
MATCHLINE STA. 225+00 - SEE SHEET NO. 19
BARLETT FORK
4W LAND AND LIVESTOCK,LLC
J & D INVESTMENTS LLC
MICHAEL E.WALMER ET AL
RONALD M.PATT
CAROL ANN PATT (WF.)
LAWRENCE E.DEAN,JR.
TINA STAMBAUGH
PT 237+65.96
PC 233+53.29
235+00
230+00
℄ KY 146 RECONSTRUCTION
KY 146
NORMAL DT.
DISTURB LIMITS
PROP.R/W
20' PERM.WATER LINE ESMT.
T/E FOR BUILDING REMOVAL AND ROADWAY DRAINAGE AND ENT.RANGE CONSTRUCTION
GRAVEL FARM ENTRANCE
OUTLET DT.
INLET DT.
F.B. DT.
SPL. 2'
HW40
HW39
HW38
HW37
HW36
HW35
PIPE 1
PIPE 2
PIPE 3
PIPE 4
PIPE 5
PIPE 6
42" RCP
30" RCP
24" RCP
4' PERF. PIPE
42" PERF. PIPE
S 56°45'34" E
S 59°06'02" E
N 38°45'19" W
N 60°37'52" W
N 58°51'25" W
N 57°01'04" W
N 69°57'46" W
S 59°06'02" E
0.E. 780.26
0.E. 773.44
0.E. 772.49
I.E. 773.55
I.E. 774.47
I.E. 782.92
I.E. 782.21
I.E. 773.31
I.E. 773.41
I.E. 773.02
I.E. 774.42
I.E. 775.16
I.E. 776.14
I.E. 777.59
I.E. 777.97
I.E. 778.30
I.E. 778.39
I.E. 778.42
I.E. 778.54
I.E. 784.64
I.E. 784.63
I.E. 784.76
I.E. 784.89
I.E. 784.92
I.E. 785.00
I.E. 785.02
I.E. 785.03
I.E. 785.04
I.E. 785.05
I.E. 785.06
I.E. 785.07
I.E. 785.08
I.E. 785.09
I.E. 785.10
I.E. 785.11
I.E. 785.12
I.E. 785.13
I.E. 785.14
I.E. 785.15
I.E. 785.16
I.E. 785.17
I.E. 785.18
I.E. 785.19
I.E. 785.20
I.E. 785.21
I.E.

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PLAN\R02300PL.DGN

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

SCALE: 1"=50'

0' 50' 100' 200'

RIGHT OF WAY CALLS

(A)	N 12°32'24" E 49.64'
(B)	N 77°31'03" E 56.74'
(C)	S 75°25'25" W 66.81'
(D)	S 9°34'05" E 46.15'
(E)	N 75°25'25" E 67.49'
(F)	N 84°30'19" E 62.48'
(G)	S 69°57'22" E 50.99'
(H)	S 39°21'22" E 20.22'
(I)	S 75°23'37" E 52.77'
(J)	S 42°52'03" E 76.93'
(K)	N 56°01'01" W 124.69'
(L)	N 56°01'01" W 135.23'
(M)	N 56°01'01" W 202.14'

R/W MONUMENT - TYPE 1
RT. STA. 240+00 TO STA. 255+00, CONST. 7

P.I. STA. 247+17.71
Delta = 53°12.19" LT.
T = 166.31'
L = 332.59'
R = 1000.00'
E = 1.37'
Φ = N.C.

FARM VEHICLE LANE RT. & LT.

4W LAND AND LIVESTOCK,LLC
P 34

POB 10+00.00

PI 11+92.85

BARTLETT FORK

PC 253+17.89

℄ KY 146 STA. 254+53.66 =
℄ BROKO LANE STA. 10+00.00

MATCHLINE STA. 255+00 - SEE SHEET NO. 25

MATCHLINE STA. 240+00 - SEE SHEET NO. 21

DITCH CONSTRUCTION - RIGHT			
STATION	LINING SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
240+00 TO 241+00	2',F.B. SURF. DT.	TRM I	103 S.Y.
241+00 TO 243+32	SPL. 2',F.B. DT.	ECB	374 S.Y.
245+68.68	4',F.B. OUTLET	CL. II	19 TONS
251+97.63•	4',F.B. OUTLET	CL. III	57 TONS

• - DEPTH TO PROJECT = 2.0'

DITCH CONSTRUCTION - LEFT			
STATION	LINING SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
240+00 TO 240+12	SPL. 2',F.B. DT.	TRM I	18 S.Y.
240+12 TO 240+50	NORMAL DT.	ECB	62 S.Y.
240+50 TO 240+92.77•	SPL. 2',F.B. DT.	TRM I	69 S.Y.
241+13.82 ENTR. LT.	SPL. 2',F.B. DT.	ECB	152 S.Y.
241+13.82 ENTR. RT.	SPL. 2',F.B. DT.	ECB	134 S.Y.
241+32.77 TO 243+69.89	SPL. 2',F.B. DT.	ECB	382 S.Y.
243+69.89 TO 244+88	SPL. 2',F.B. DT.	ECB	191 S.Y.
244+88 TO 245+39.84	SPL. 2',F.B. DT.	TRM I	82 S.Y.
245+45.60•	2',F.B. INLET	TRM I	27 S.Y.
245+39.84 TO 246+04	SPL. 2',F.B. DT.	ECB	131 S.Y.
251+34.05 TO 252+00	SPL. 2',F.B. DT.	TRM I	80 S.Y.
252+02.93••	2',F.B. INLET	TRM I	45 S.Y.
252+00 TO 253+40	SPL. 2',F.B. DT.	ECB	237 S.Y.
253+40 TO 254+00	NORMAL DT.	ECB	31 S.Y.
254+00 TO 254+25.59	2',F.B. INLET	TRM I	168 S.Y.
254+82.83 TO 255+00•	2',F.B. OUTLET	CL. II	62 TONS
BROKO LANE			
9+23.59 TO 9+56.86 LT.	SPL. 2',F.B. DT.	TRM I	20 S.Y.
9+25 TO 9+57.53 RT.	SPL. 2',F.B. DT.	TRM I	49 S.Y.

• - DEPTH TO PROJECT = 1.5'
•• - DEPTH TO PROJECT = 3.0'

℄ KY 146 RECONSTRUCTION

REMOVE GUARDRAIL
LT. STA. 240+00 TO STA. 240+98.27, REMOVE 99 L.F.
LT. STA. 240+00 TO STA. 241+32.19, REMOVE 133 L.F.

REMOVE EXISTING STRUCTURE
LT. STA. 245+37 TO STA. 245+38, REMOVE EXIST. 2.5 X 1.5', RCBC.
RT. STA. 251+93 TO LT. STA. 251+95, REMOVE EXIST. 5' X 4' RCBC.

R/W MONUMENT - TYPE 1
LT. STA. 240+00 TO STA. 255+00, CONST. 12

EOP KY 146 STA. 250+00 (12' RT) =
B DIVERSION NO. 1 STA. 10+00.00

B DIVERSION 1

P.I. STA. 254+48.54
Delta = 2°33'00.48" RT.
T = 130.65'
L = 261.26'
R = 5870.00'
E = 1.45'
Φ = 2.4%
RUNOFF = 61.28', BROKO LANE STA. 9+25.00, CONST. 18 LF OF EDGE KEY
RUNOUT = 51.06'

EDGE KEY

ROBERTO GONZALEZ
FLORINDA M.GONZALEZ
P 45

NANCY S.PILE
MICHAEL J.LANEY
P 44

250+00

245+00

P.I. 248+83.99

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
241+14	RESIDENTIAL	15	196	- -	13	33	47	40' OF 15" PIPE	- -
251+08	RESIDENTIAL	15	70	- -	5	12	17	47' OF 18" PIPE	- -

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R023

PLAN SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

SCALE: 1"=50'

0' 50' 100' 200'

RIGHT OF WAY CALLS

(A)	N 12°32'24" E 49.64'
(B)	N 77°31'03" E 56.74'
(C)	S 75°25'25" W 66.81'
(D)	S 9°34'05" E 46.15'
(E)	N 75°25'25" E 67.49'
(F)	N 84°30'19" E 62.48'
(G)	S 69°57'22" E 50.99'
(H)	S 39°21'22" E 20.22'
(I)	S 75°23'37" E 52.77'
(J)	S 42°52'03" E 76.93'
(K)	N 56°01'10" W 124.69'
(L)	N 56°01'10" W 155.23'
(M)	N 56°01'10" W 202.14'

R/W MONUMENT - TYPE 1
RT. STA. 240+00 TO STA. 255+00, CONST. 7

P.I. STA. 247+17.71
Delta = 53°12.19" LT.
T = 166.31'
L = 332.59'
R = 1000.00'
E = 1.37'
Φ = N.C.

DITCH CONSTRUCTION - RIGHT

STATION	LINING SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
240+00 TO 241+00	2'F.B. SURF. DT.	TRM I	103 S.Y.
241+00 TO 243+32	SPL. 2'F.B. SURF. DT.	ECB	374 S.Y.
245+68.68	4'F.B. OUTLET	CL. II	19 TONS
251+97.63•	4'F.B. OUTLET	CL. III	57 TONS

• - DEPTH TO PROJECT = 2.0'

FARM VEHICLE LANE RT. & LT.

4W LAND AND LIVESTOCK,LLC

P 34

P.O.B. 10+00.00

N 47°20'11" W 101.98'

N 68°30'37" W 200.25'

PROP.R/W

T/E

PI 11+92.85

BARTLETT FORK

PC 253+17.89

℄ KY 146 STA. 254+53.66 =
℄ BROKO LANE STA. 10+00.00

DISTURB LIMITS

N 63°22'47" W 169.98'

PROP.R/W

APPROX. SEPTIC 78.99'

+71.49

HW45
O.E. 778.07

4' F.B. OUTLET DT.

18" PIPE

U56

S 56°15'55" E 123.87'

EOP KY 146 STA. 250+00 (12' RT) =
B DIVERSION NO. 1 STA. 10+00.00

B DIVERSION 1

S 56°15'55" E 59.25'

S 58°38'46" E 80.20'

S 56°01'10" E 112.87'

EX. R/W

KY 146

DISTURB LIMITS

S 58°19'00" E 100.84'

NORMAL DT.

C.P.

HW46
O.E. 794.05

I.E. 794.56

HW47
O.E. 793.55

OUT1. DT.
2' F.B.

SPL. 2'
F.B. DT.

PROP.R/W

INLET DT.
2' F.B.

I.E. 784.40

HW44

S 32°40'24" W

℄ BROKO LANE

PROP.R/W

S 39°21'22" E 20.22'

INLET DT.
2' F.B.

20' PERM.WATER LINE ESMT.

POB 8+00.00

EX. R/W

BROKO LANE

MOBILE RES.

SEPTIC TANK

FR SHED

U/G ELEC

LEACH FIELD

P 45

ROBERTO GONZALEZ
FLORINDA M.GONZALEZ

EDGE KEY

BROKO LANE STA. 9+25.00, CONST. 18 LF OF EDGE KEY
RUNOFF = 61.28'
RUNOUT = 51.06'
ε = 2.4%
E = 1.45'
R = 5870.00'
L = 261.26'
T = 130.65'
Delta = 2°33'00.48" RT.
P.I. STA. 254+48.54

MODULAR RES.

FR GARAGE

REVISED 12-06-22

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R023

MATCHLINE STA. 255+00 - SEE SHEET NO. 25

PI 249+99.76

S 32°40'24" W

EX. R/W

EX. 3" PVC

EX. R/W

EX. R/W

EX. R/W

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 120+00 TO STA. 150+00

SCALE: 1"=100'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R030

MicroStation v8.11.7.443

E-SHEET NAME:

USER: sellis
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R03000RW1.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 120+00 TO STA. 150+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R030

REVISED 12-06-22

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis | DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R03000RW.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 150+00 TO STA. 180+00

SCALE: 1"=100'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R031

MicroStation v8.11.7.443

E-SHEET NAME:

USER: sellis
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\RO30ORW.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 150+00 TO STA. 180+00

SCALE: 1"=100'
0' 100' 200' 400'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R031

REVISED 12-06-22

MicroStation v8.11.7.443
E-SHEET NAME:
USER: sellis
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\RO30ORW.DGN

℄ KY 146 STA. 177+00.00 = ℄ DAWKINS LANE STA. 10+00.00

℄ DAWKINS LANE

℄ KY 146 RECONSTRUCTION

DAWKINS LANE

PROP. R/W

EX. R/W

T/E

PC 9+61.84

PT 9+71.62

PI 9+66.73

S 63°25'05" E

PROP.R/W

20' PERM.WATER LINE ESMT.

PI 163+67.64

N 54° 35' 29" E

PI 159+47.36

PI 153+13.26

PT 153+13.26

PC 1+03.22

PROP.R/W

20' PERM.WATER LINE ESMT.

PROP.R/W

20' PERM.WATER LINE ESMT.

PROP. R/W

T/E

PROP. R/W

T/E

T/E

T/E

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA, 180+00 TO STA. 210+00

SCALE: 1"=100'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R032

MicroStation v8.11.7.443

E-SHEET NAME:

USER: jslugantz
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R0320RW.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 210+00

SCALE: 1"=100'

REVISED 12-06-22

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R032

MicroStation v8.11.7.443

E-SHEET NAME:

USER: jsiugaitz
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R0320RW.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 240+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R033

MicroStation v8.11.7.443

E-SHEET NAME:

USER: jslugantz
DATE PLOTTED: December 6, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R033OORW.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 240+00

SCALE: 1"=100'

0 100 200 400

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R033

REVISED 12-06-22

MicroStation v8.11.7.443

E-SHEET NAME:

USER: jslugantz
DATE PLOTTED: December 6, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R033ORN.DGN

RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 270+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R034

MicroStation v8.11.7.443

E-SHEET NAME:

USER: sellis
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R03400RW.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R034

REVISED 12-06-22



RIGHT OF WAY STRIP MAP
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 270+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\RW STRIPS AND SUMMARIES\R03400RW.DGN

USER: sellis
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R036

GENERAL NOTES

TRAFFIC CONTROL

1. Traffic shall be maintained in accordance with the *Manual on Uniform Traffic Control Devices*, the *Standard Specifications for Road and Bridge Construction*, and the *Standard Drawings*, current editions.

2. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current Standard *Specifications for Road and Bridge Construction* unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:

   a. All grading and necessary drainage (unless a bid item for detour construction is included) for the temporary roadway and removal thereof, when it is no longer needed. If a bid item for detour construction is included grading and drainage will be paid for in the bid item "Detour Construction".

   b. All labor and materials necessary for construction and maintenance of traffic control devices and markings.

   c. All flagpersons and traffic control devices such as, but not limited to, flashers, signs, barricades and vertical panels, plastic drums (steel drums will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the *Manual on Uniform Traffic Control Devices*, or the Engineer.

3. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor when no longer needed.

4. The contractor shall maintain a two-lane traveled way with a minimum lane width of 10 feet. However, during working hours, one-way traffic may be allowed at the discretion of the Engineer, provided adequate signing and a flagperson are at the location except between the hours of 6:30 am to 8:30 am, and 3:00 pm to 6:00 pm.

5. The Contractor shall completely cover any signs, either existing, permanent or temporary, which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or are removed.

6. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite to the flow of traffic.

7. The Engineer and the Contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers or detours. All signing shall be approved by the Engineer before work can be started by the Contractor.

8. If the Contractor desires to deviate from the traffic control scheme outlined in these plans and this proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Design and Construction, and the Federal Highway Administration where applicable.

9. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.

10. Any roadways, except entrances, that are anticipated to be in use for a period of seven (7) consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials, as directed by the Engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.

11. All signs necessary for a marked detour will be provided by the Contractor as required by the *Standard Drawings* and the *Manual on Uniform Traffic Control Devices*. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.

13. Traffic destinations and construction phasing that do not change from one phase to the next are not shown for the unchanged phase.

14. Contractor shall maintain access to all affected properties at all times during construction.

15. Contractor shall complete the current phase of drainage structure construction under traffic within that construction phase of work before advancing to the next phase.

16. Construction phasing of cross drains and storm sewers is shown on pipe drainage sheets and storm sewer profiles as described in Construction Sequence notes.

SPECIAL NOTES

BLASTING OPERATIONS

During blasting operations, traffic may be halted a maximum of 20 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris. Blasting will not be permitted between the hours of 3:00 PM and 8:30 AM.

The Contractor shall be assessed damages in the amount of $250 for the first 15 minutes and then $500 for each 30 minutes after that if traffic is not restored within the 20 minutes stoppage allowed.

The Contractor, when using explosive charges of any kind for the purpose of excavating, removal, etc., on this project shall halt all traffic a safe distance on either side of the impending explosion.

The Contractor shall have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavements of all debris. After any blast, the Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing traffic to proceed on the affected section.

When blasting, the Contractor shall halt traffic, blast, clean the existing pavements and return traffic to normal operation in the least amount of time possible.

REMOVAL OF EXISTING PAVEMENT MARKINGS

Any conflicting existing pavement markers and markings shall be removed prior to implementing a new traffic marking scheme. No direct payment will be allowed for this removal operations and it will be considered incidental to the item "MAINTAIN and CONTROL TRAFFIC". Traffic shall not be shifted from one phase to another before appropriate temporary lane markings have been installed and approved by the Engineer.

SPEED LIMIT

The posted speed limit shall be reduced by 10 m.p.h. in the active construction zone. Cover or replace existing 55 mph signs with temporary, regulatory 45 mph signs. Post 35 mph advisory signs at each Diversion.

FINAL SURFACE

When the Sequence of Construction calls for partial width construction of pavement for a section of highway in a phase, the surface course shall not be placed until the full width of pavement including shoulders has been completed in a later phase.

CONTRACTOR'S VEHICLES

The Contractor's vehicles shall always move with and not against the flow the traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

PAVEMENT EDGE DROP-OFFS

Difference in Elevation for Travel Lanes

Pavement edge that traffic is expected to cross in a lane change situation should not have an elevation differences greater than 1½ inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance and throughout the drop-off area.

Pavement Drop-Off

Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:

Less Than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2 to 4 inches - Place plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds 50 miles per hour or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speeds less than 50 miles per hour and for curves, devices should be placed every 50 feet. Spacing for tapers should be in accordance with the *Manual on Uniform Traffic Control Devices.*

Greater Than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, drums, panels or barricades may be used. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

PAVEMENT EDGE DROP OFFS (CONTINUED)

For temporary conditions, drop-offs greater than 4 inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.

Lesser treatments than those described above may be considered for low-volume local roads.

Payment will be allowed for the DGA material used for wedging.

Diversion Drainage

Unless specifically listed as a bid item and called out in the plans for payment, all temporary drainage work for diversions shall be incidental to the bid item for Diversions in accordance with 2012 Standard Specifications Section 112.04.18; all other temporary drainage work required to "ensure that the roadway is well-drained" shall be incidental to the appropriate items for roadway grading in accordance with 2012 Standard Specifications Sections 112 and 204.03.

Trenches

Unless specifically listed as a bid item and called out in the plans for payment, all temporary bracing, shoring or trench stabilization work for pipe and culvert installation shall be incidental to the work. Trenches shall not remain open during non-working hours. All trenches shall be backfilled immediately and kept safe for workers and the general public at all times.

Pavement Restoration

For the duration of the project, all trench and excavation for any pipe installation (utility, storm, culvert) that requires temporary and/or permanent disturbance of paved material, being entrances, mainline, approach roads, parking lots, etc. shall be paved in-kind with asphaltic or concrete material within 30 days of the pipe installation. A penalty of $500/ day will be assessed for each day past the 30 day limit. Maintenance of applied material shall also be required for the duration of the project.

MAINTENANCE OF TRAFFIC ESTIMATE OF QUANTITIES

	TOTAL	UNITS	CODE	DESCRIPTION
	3651	TON	3	CRUSHED STONE BASE
(1)	5000	TON	20	TRAFFIC BOUND BASE
	2058	TON	212	CL 2 ASPH BASE 1.00D PG64-22
	428	TON	301	CL 2 ASPH SURF 0.38D PG64-22
	350	LIN FT	2003	RELOCATE TEMP CONC BARRIER
	6	EACH	2014	BARRICADE TYPE III
	3	EACH	2391	GUARDRAIL END TREATMENT TYPE 4A
	362.5	LIN FT	2397	TEMP GUARDRAIL
	600	SQ FT	2562	SIGNS (TEMPORARY)
	2	EACH	2671	PORTABLE CHANGEABLE MESSAGE SIGN
	2	EACH	2898	RELOCATE CRASH CUSHION
	500	LIN FT	3171	CONCRETE BARRIER WALL TYPE 9T
	4	EACH	8901	CRASH CUSHION TYPE VI CLASS BT TL2
	239	LIN FT	20166ES810	TEMPORARY PIPE

NOTE: The quantities shown here are also included on the summary sheets.

(1) For use at Engineer's discretion for maintenance of traffic/entrances.

PHASE 4

Complete surface coarse and striping operations under traffic.

SCALE: 1"=NTS

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
MAINT. OF TRAFFIC NOTES

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz | DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R036OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R036

REVISED 12-06-22

GENERAL NOTES

TRAFFIC CONTROL

1. Traffic shall be maintained in accordance with the *Manual on Uniform Traffic Control Devices*, the *Standard Specifications for Road and Bridge Construction*, and the *Standard Drawings*, current editions.

2. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current Standard *Specifications for Road and Bridge Construction* unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:

   a. All grading and necessary drainage (unless a bid item for detour construction is included) for the temporary roadway and removal thereof, when it is no longer needed. If a bid item for detour construction is included grading and drainage will be paid for in the bid item "Detour Construction".

   b. All labor and materials necessary for construction and maintenance of traffic control devices and markings.

   c. All flagpersons and traffic control devices such as, but not limited to, flashers, signs, barricades and vertical panels, plastic drums (steel drums will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the *Manual on Uniform Traffic Control Devices*, or the Engineer.

3. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor when no longer needed.

4. The contractor shall maintain a two-lane traveled way with a minimum lane width of 10 feet. However, during working hours, one-way traffic may be allowed at the discretion of the Engineer, provided adequate signing and a flagperson are at the location except between the hours of 6:30 am to 8:30 am, and 3:00 pm to 6:00 pm.

5. The Contractor shall completely cover any signs, either existing, permanent or temporary, which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or are removed.

6. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite to the flow of traffic.

7. The Engineer and the Contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers or detours. All signing shall be approved by the Engineer before work can be started by the Contractor.

8. If the Contractor desires to deviate from the traffic control scheme outlined in these plans and this proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Design and Construction, and the Federal Highway Administration where applicable.

9. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.

10. Any roadways, except entrances, that are anticipated to be in use for a period of seven (7) consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials, as directed by the Engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.

11. All signs necessary for a marked detour will be provided by the Contractor as required by the *Standard Drawings* and the *Manual on Uniform Traffic Control Devices*. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.

13. Traffic destinations and construction phasing that do not change from one phase to the next are not shown for the unchanged phase.

14. Contractor shall maintain access to all affected properties at all times during construction.

15. Contractor shall complete the current phase of drainage structure construction under traffic within that construction phase of work before advancing to the next phase.

16. Construction phasing of cross drains and storm sewers is shown on pipe drainage sheets and storm sewer profiles as described in Construction Sequence notes.

SPECIAL NOTES

BLASTING OPERATIONS

During blasting operations, traffic may be halted a maximum of 20 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris. Blasting will not be permitted between the hours of 3:00 PM and 8:30 AM.

The Contractor shall be assessed damages in the amount of $250 for the first 15 minutes and then $500 for each 30 minutes after that if traffic is not restored within the 20 minutes stoppage allowed.

The Contractor, when using explosive charges of any kind for the purpose of excavating, removal, etc., on this project shall halt all traffic a safe distance on either side of the impending explosion.

The Contractor shall have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavements of all debris. After any blast, the Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing traffic to proceed on the affected section.

When blasting, the Contractor shall halt traffic, blast, clean the existing pavements and return traffic to normal operation in the least amount of time possible.

REMOVAL OF EXISTING PAVEMENT MARKINGS

Any conflicting existing pavement markers and markings shall be removed prior to implementing a new traffic marking scheme. No direct payment will be allowed for this removal operations and it will be considered incidental to the item "MAINTAIN and CONTROL TRAFFIC". Traffic shall not be shifted from one phase to another before appropriate temporary lane markings have been installed and approved by the Engineer.

SPEED LIMIT

The posted speed limit shall be reduced by 10 m.p.h. in the active construction zone. Cover or replace existing 55 mph signs with temporary, regulatory 45 mph signs. Post 35 mph advisory signs at each Diversion.

FINAL SURFACE

When the Sequence of Construction calls for partial width construction of pavement for a section of highway in a phase, the surface course shall not be placed until the full width of pavement including shoulders has been completed in a later phase.

CONTRACTOR'S VEHICLES

The Contractor's vehicles shall always move with and not against the flow the traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

PAVEMENT EDGE DROP-OFFS

Difference in Elevation for Travel Lanes

Pavement edge that traffic is expected to cross in a lane change situation should not have an elevation differences greater than 1½ inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance and throughout the drop-off area.

Pavement Drop-Off

Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:

Less Than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2 to 4 inches - Place plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds 50 miles per hour or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speeds less than 50 miles per hour and for curves, devices should be placed every 50 feet. Spacing for tapers should be in accordance with the *Manual on Uniform Traffic Control Devices.*

Greater Than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, drums, panels or barricades may be used. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

PAVEMENT EDGE DROP OFFS (CONTINUED)

For temporary conditions, drop-offs greater than 4 inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.

Lesser treatments than those described above may be considered for low-volume local roads.

Payment will be allowed for the DGA material used for wedging.

Diversion Drainage

Unless specifically listed as a bid item and called out in the plans for payment, all temporary drainage work for diversions shall be incidental to the bid item for Diversions in accordance with 2012 Standard Specifications Section 112.04.18; all other temporary drainage work required to "ensure that the roadway is well-drained" shall be incidental to the appropriate items for roadway grading in accordance with 2012 Standard Specifications Sections 112 and 204.03.

Trenches

Unless specifically listed as a bid item and called out in the plans for payment, all temporary bracing, shoring or trench stabilization work for pipe and culvert installation shall be incidental to the work. Trenches shall not remain open during non-working hours. All trenches shall be backfilled immediately and kept safe for workers and the general public at all times.

Pavement Restoration

For the duration of the project, all trench and excavation for any pipe installation (utility, storm, culvert) that requires temporary and/or permanent disturbance of paved material, being entrances, mainline, approach roads, parking lots, etc. shall be paved in-kind with asphaltic or concrete material within 30 days of the pipe installation. A penalty of $500/ day will be assessed for each day past the 30 day limit. Maintenance of applied material shall also be required for the duration of the project.

MAINTENANCE OF TRAFFIC ESTIMATE OF QUANTITIES

	TOTAL	UNITS	CODE	DESCRIPTION
	3651	TON	3	CRUSHED STONE BASE
(1)	5000	TON	20	TRAFFIC BOUND BASE
	2058	TON	212	CL 2 ASPH BASE 1.00D PG64-22
	428	TON	301	CL 2 ASPH SURF 0.38D PG64-22
	350	LIN FT	2003	RELOCATE TEMP CONC BARRIER
	6	EACH	2014	BARRICADE TYPE III
	3	EACH	2391	GUARDRAIL END TREATMENT TYPE 4A
	362.5	LIN FT	2397	TEMP GUARDRAIL
	600	SQ FT	2562	SIGNS (TEMPORARY)
	2	EACH	2671	PORTABLE CHANGEABLE MESSAGE SIGN
	2	EACH	2898	RELOCATE CRASH CUSHION
	500	LIN FT	3171	CONCRETE BARRIER WALL TYPE 9T
	4	EACH	8901	CRASH CUSHION TYPE VI CLASS BT TL2
	239	LIN FT	20166ES810	TEMPORARY PIPE

NOTE: The quantities shown here are also included on the summary sheets.

(1) For use at Engineer's discretion for maintenance of traffic/entrances.

PHASE 4

Complete surface coarse and striping operations under traffic.

SCALE: 1"=NTS

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
MAINT. OF TRAFFIC NOTES

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R036OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R040

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT 250 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 135+00 TO STA. 137+50 WITH 1 CRASH CUSHION TY VI.
2. CONSTRUCT THE LEFT & RIGHT LANES AND RIGHT SHOULDER OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 143+64.27.
3. WIDEN THE RIGHT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
4. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 143+64.27 TO STA. 148+50.
5. CONSTRUCT THE STA. 149+24 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY ROADWAY

LT. EXISTING BRIDGE TO LT. STA. 141+23
CONSTRUCT TEMP. PAVEMENT W/ 11 TONS AS, 53 TONS AB, 92 TONS CSB (159 S.Y.)

RT. PROPOSED BRIDGE TO STA. 141+50 CONSTRUCT TEMP. ACCESS ROAD W/ 65 TONS AS, 312 TONS AB, 543 TONS CSB (944 S.Y.)

RT. STA. 148+50 TO RT. STA. 150+00 CONSTRUCT TEMP. PAVEMENT W/ 36 TONS AS, 172 TONS AB, 299 TONS CSB (519 S.Y.)

LT. STA. 145+00 CONSTRUCT TEMP. ACCESS ROAD W/ 13 TONS AS, 59 TONS AB, 103 TONS CSB (178 S.Y.) W/ 58 L.F., 18" TEMPORARY PIPE

PHASE 1 - TEMPORARY DRAINAGE

LT. STA. 141+00 TO STA. 144+00
CONSTRUCT 300 L.F. TEMP. DITCH
TIE PROPOSED ROADSIDE DITCH
TO 18" TEMPORARY PIPE

LT. STA. 141+00 CONSTRUCT APPROX.
46 L.F. 18" TEMPORARY PIPE

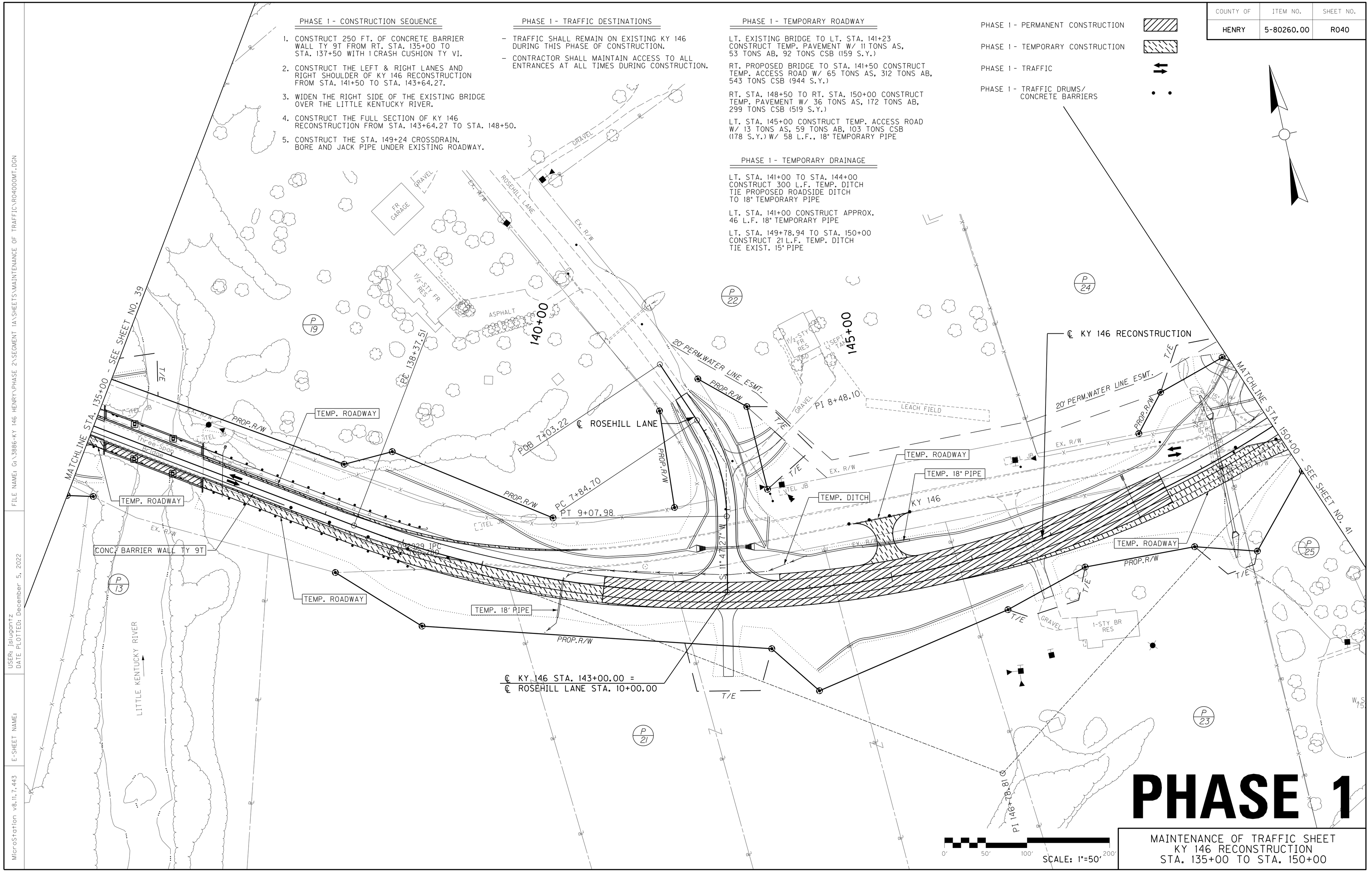
LT. STA. 149+78.94 TO STA. 150+00
CONSTRUCT 21 L.F. TEMP. DITCH
TIE EXIST. 15" PIPE

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz | DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R040OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R040

REVISED 12-06-22

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT 250 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 135+00 TO STA. 137+50 WITH 1 CRASH CUSHION TY VI.
2. CONSTRUCT THE LEFT & RIGHT LANES AND RIGHT SHOULDER OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 143+64.27.
3. WIDEN THE RIGHT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
4. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 143+64.27 TO STA. 148+50.
5. CONSTRUCT THE STA. 149+24 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY ROADWAY

LT. EXISTING BRIDGE TO LT. STA. 141+23 CONSTRUCT TEMP. PAVEMENT W/ 11 TONS AS, 53 TONS AB, 92 TONS CSB (159 S.Y.)

RT. PROPOSED BRIDGE TO STA. 141+50 CONSTRUCT TEMP. ACCESS ROAD W/ 65 TONS AS, 312 TONS AB, 543 TONS CSB (944 S.Y.)

RT. STA. 148+50 TO RT. STA. 150+00 CONSTRUCT TEMP. PAVEMENT W/ 36 TONS AS, 172 TONS AB, 299 TONS CSB (519 S.Y.)

LT. STA. 145+00 CONSTRUCT TEMP. ACCESS ROAD W/ 13 TONS AS, 59 TONS AB, 103 TONS CSB (178 S.Y.) W/ 58 L.F., 18" TEMPORARY PIPE

PHASE 1 - TEMPORARY DRAINAGE

LT. STA. 141+00 TO STA. 144+00 CONSTRUCT 300 L.F. TEMP. DITCH TIE PROPOSED ROADSIDE DITCH TO 18" TEMPORARY PIPE

LT. STA. 141+00 CONSTRUCT APPROX. 46 L.F. 18" TEMPORARY PIPE

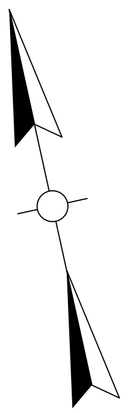
LT. STA. 149+78.94 TO STA. 150+00 CONSTRUCT 21 L.F. TEMP. DITCH TIE EXIST. 15" PIPE

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R040OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R043

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 180+00 TO STA. 183+00.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00.
3. CONSTRUCT THE LEFT PORTION OF THE STA. 184+65.20 CROSSDRAIN.
4. CONSTRUCT THE STA. 192+00 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.
5. CONSTRUCT 275 FT. OF TEMPORARY GUARDRAIL W/2 TYPE 4A END TREATMENTS FROM STA. 183+00 TO STA. 186+50.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY DRAINAGE

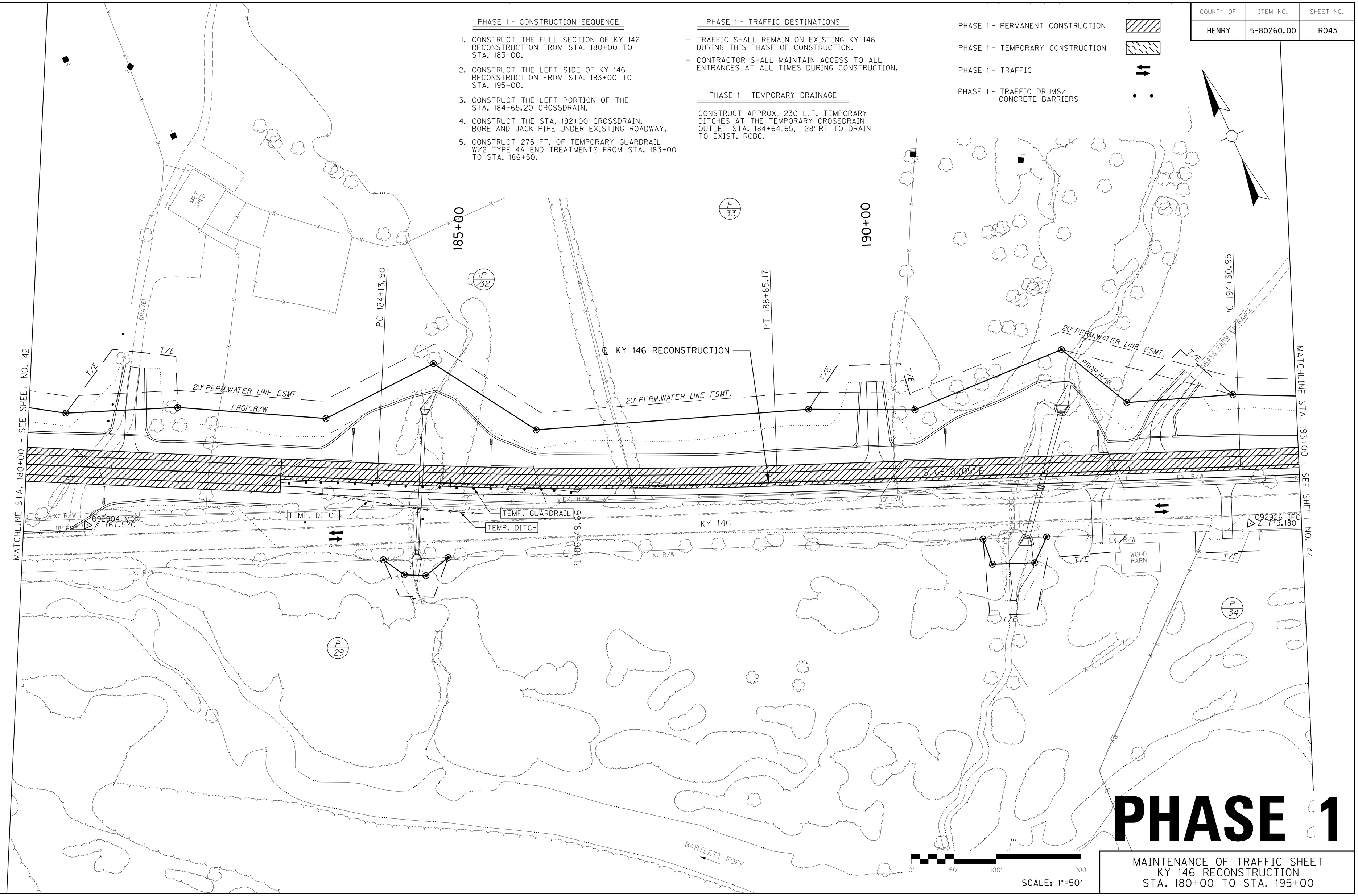
CONSTRUCT APPROX. 230 L.F. TEMPORARY DITCHES AT THE TEMPORARY CROSSDRAIN OUTLET STA. 184+64.65, 28' RT TO DRAIN TO EXIST. RCBC.

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R04300MT.DGN

USER: sellis
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R043

REVISED 12-06-22

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 180+00 TO STA. 183+00.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00.
3. CONSTRUCT THE LEFT PORTION OF THE STA. 184+65.20 CROSSDRAIN.
4. CONSTRUCT THE STA. 192+00 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.
5. CONSTRUCT 275 FT. OF TEMPORARY GUARDRAIL W/2 TYPE 4A END TREATMENTS FROM STA. 183+00 TO STA. 186+50.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY DRAINAGE

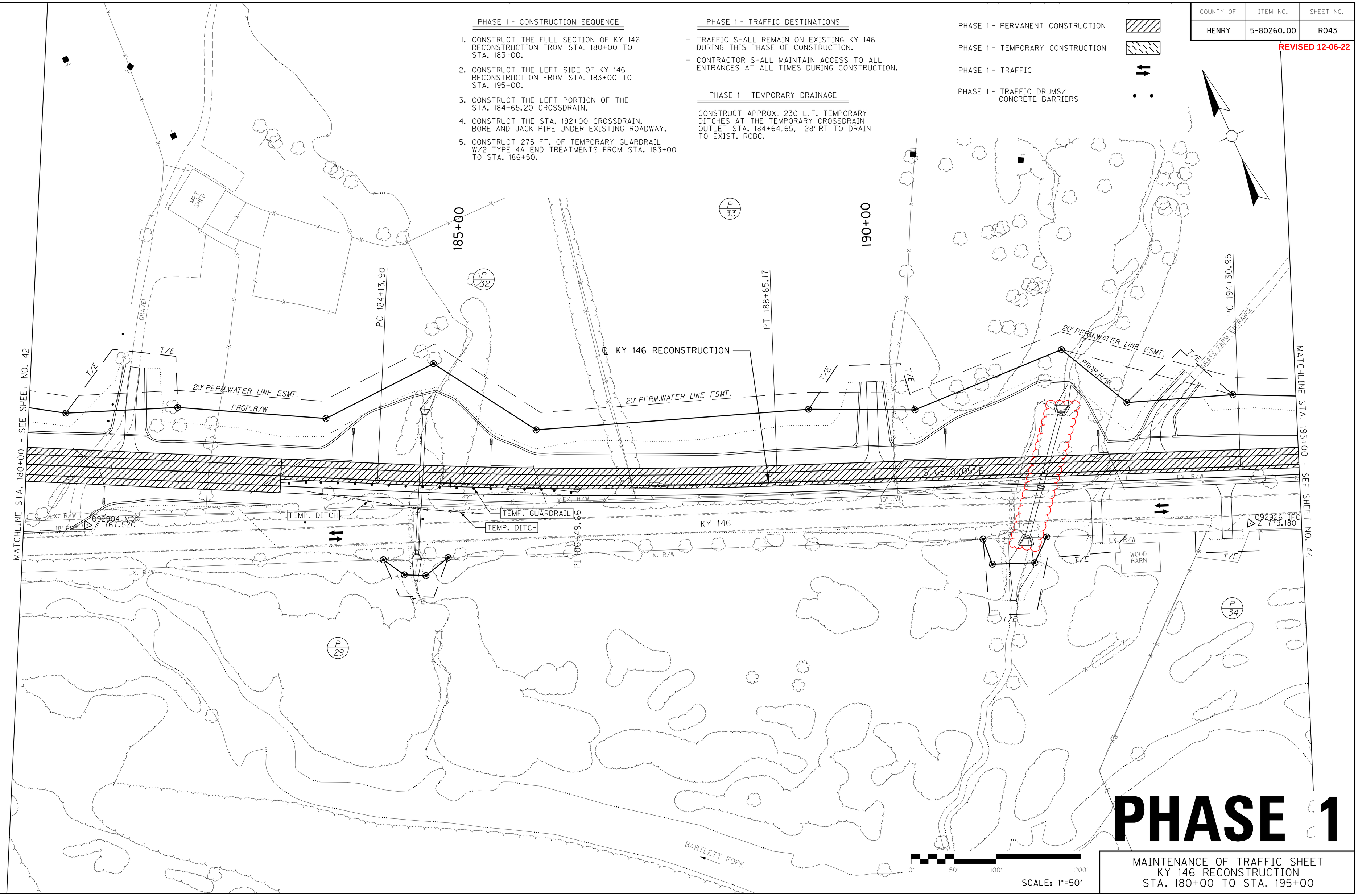
CONSTRUCT APPROX. 230 L.F. TEMPORARY DITCHES AT THE TEMPORARY CROSSDRAIN OUTLET STA. 184+64.65, 28' RT TO DRAIN TO EXIST. RCBC.

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R04300MT.DGN

USER: sellis
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R046

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 225+00 TO STA. 240+00.
2. CONSTRUCT THE STA. 225+24.02 CROSSDRAIN, UNDER TRAFFIC.
3. CONSTRUCT THE STA. 230+45.38 CROSSDRAIN UNDER TRAFFIC.
4. CONSTRUCT THE STA. 234+89.43 CROSSDRAIN, UNDER TRAFFIC.
5. CONSTRUCT THE STA. 239+60 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

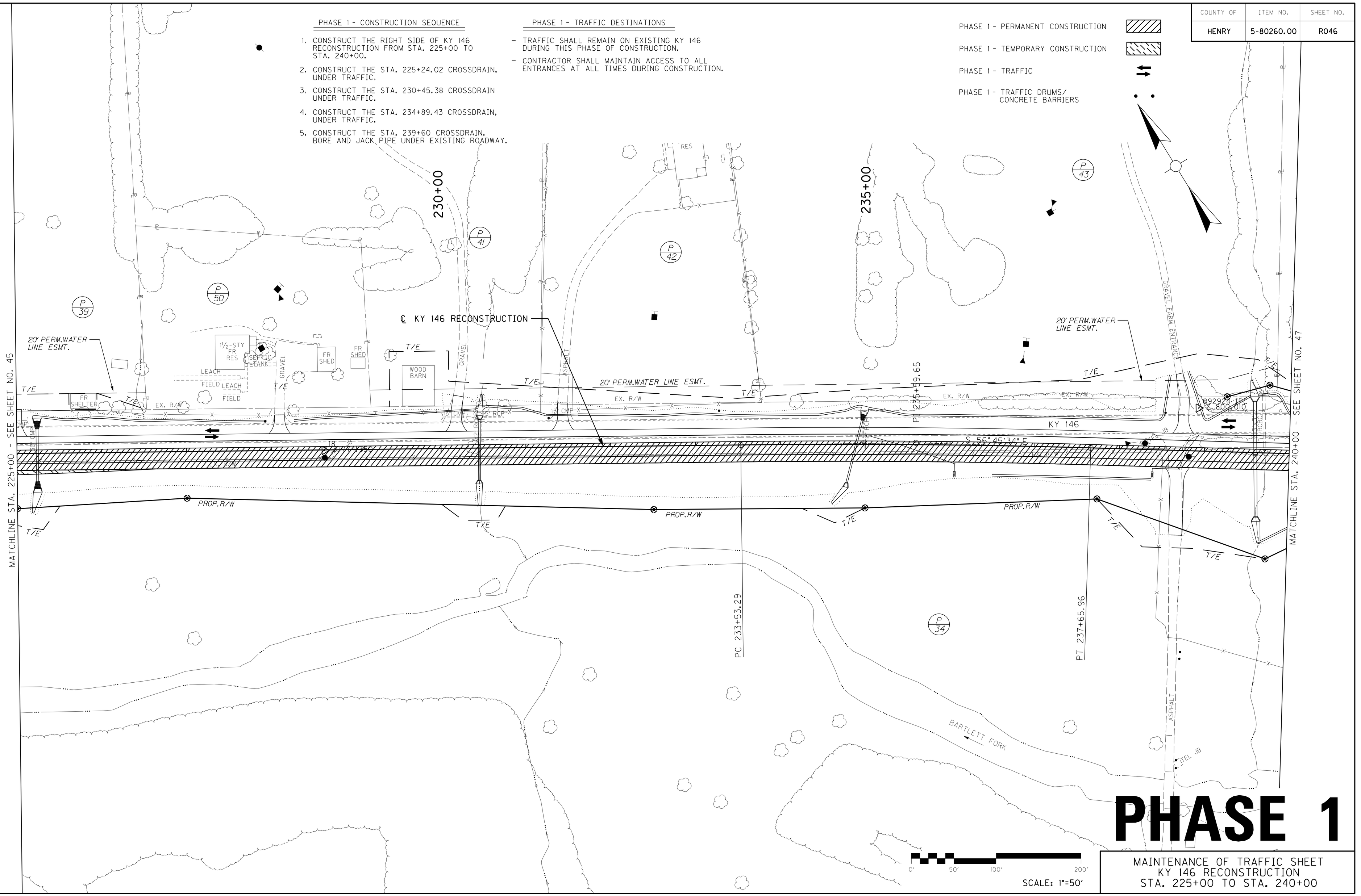
- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R046OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R046

REVISED 12-06-22

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 225+00 TO STA. 240+00.
2. CONSTRUCT THE STA. 225+24.02 CROSSDRAIN, UNDER TRAFFIC.
3. CONSTRUCT THE STA. 230+45.38 CROSSDRAIN UNDER TRAFFIC.
4. CONSTRUCT THE STA. 234+89.43 CROSSDRAIN, UNDER TRAFFIC.
5. CONSTRUCT THE STA. 239+60 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

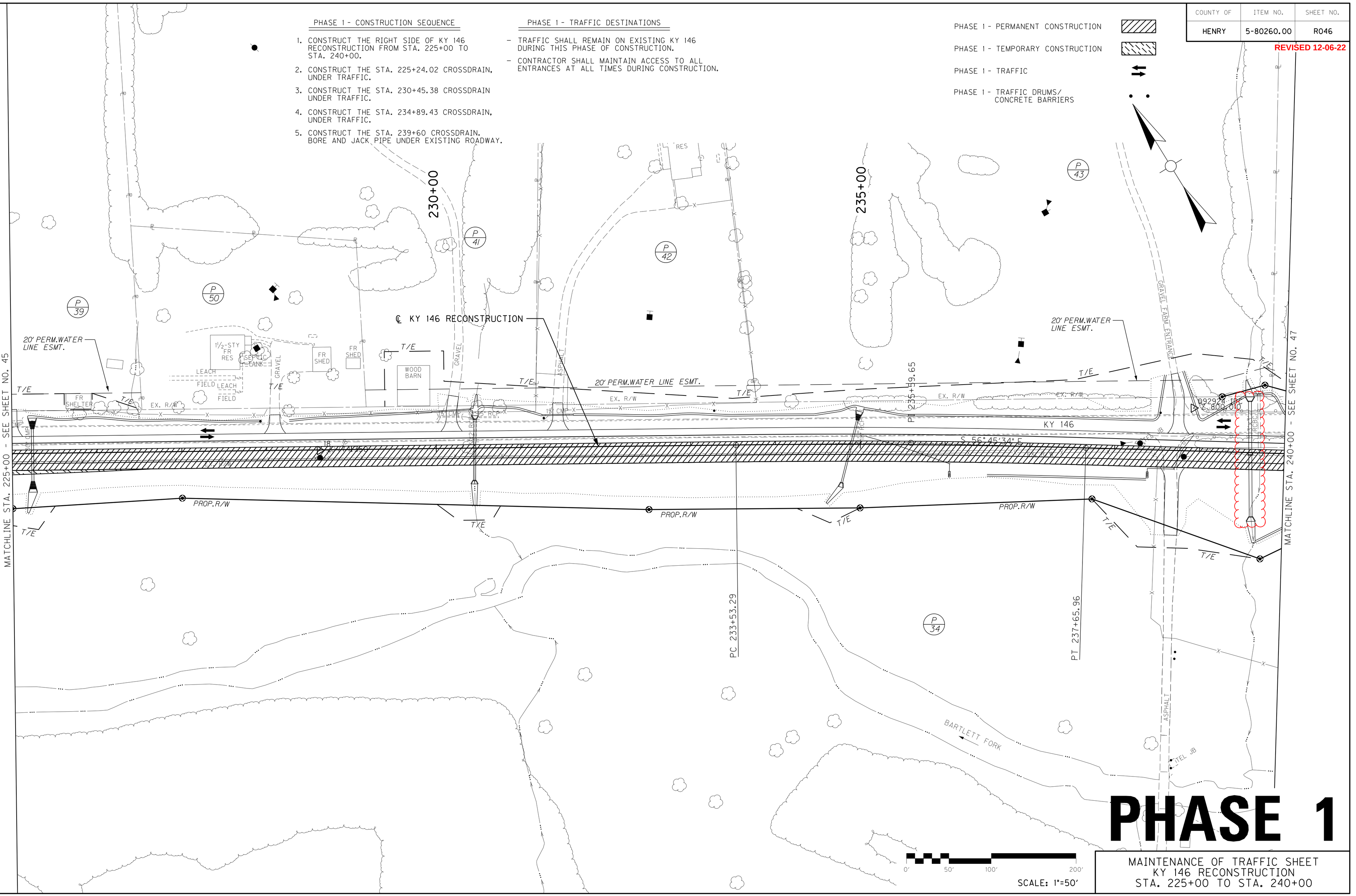
- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R046GOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R047

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 240+00 TO STA. 251+00.
2. CONSTRUCT THE STA. 245+55 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.
3. CONSTRUCT THE STA. 252+10 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY ROADWAY

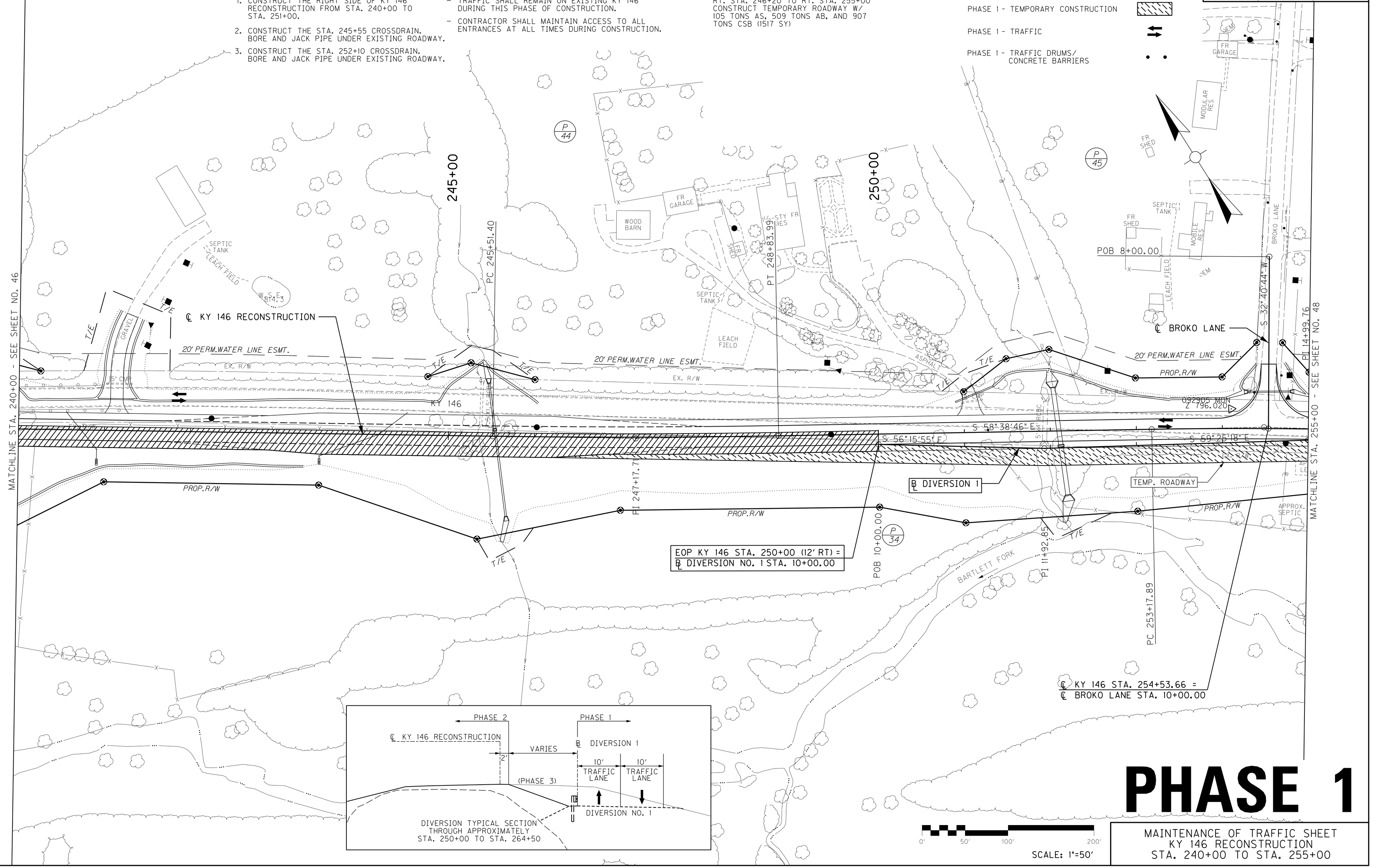
RT. STA. 246+20 TO RT. STA. 255+00
CONSTRUCT TEMPORARY ROADWAY W/
105 TONS AS, 509 TONS AB, AND 907 TONS CSB (1517 SY)

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R047TOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R047

REVISED 12-06-22

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 240+00 TO STA. 251+00.
2. CONSTRUCT THE STA. 245+55 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.
3. CONSTRUCT THE STA. 252+10 CROSSDRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TRAFFIC DESTINATIONS

- TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 1 - TEMPORARY ROADWAY

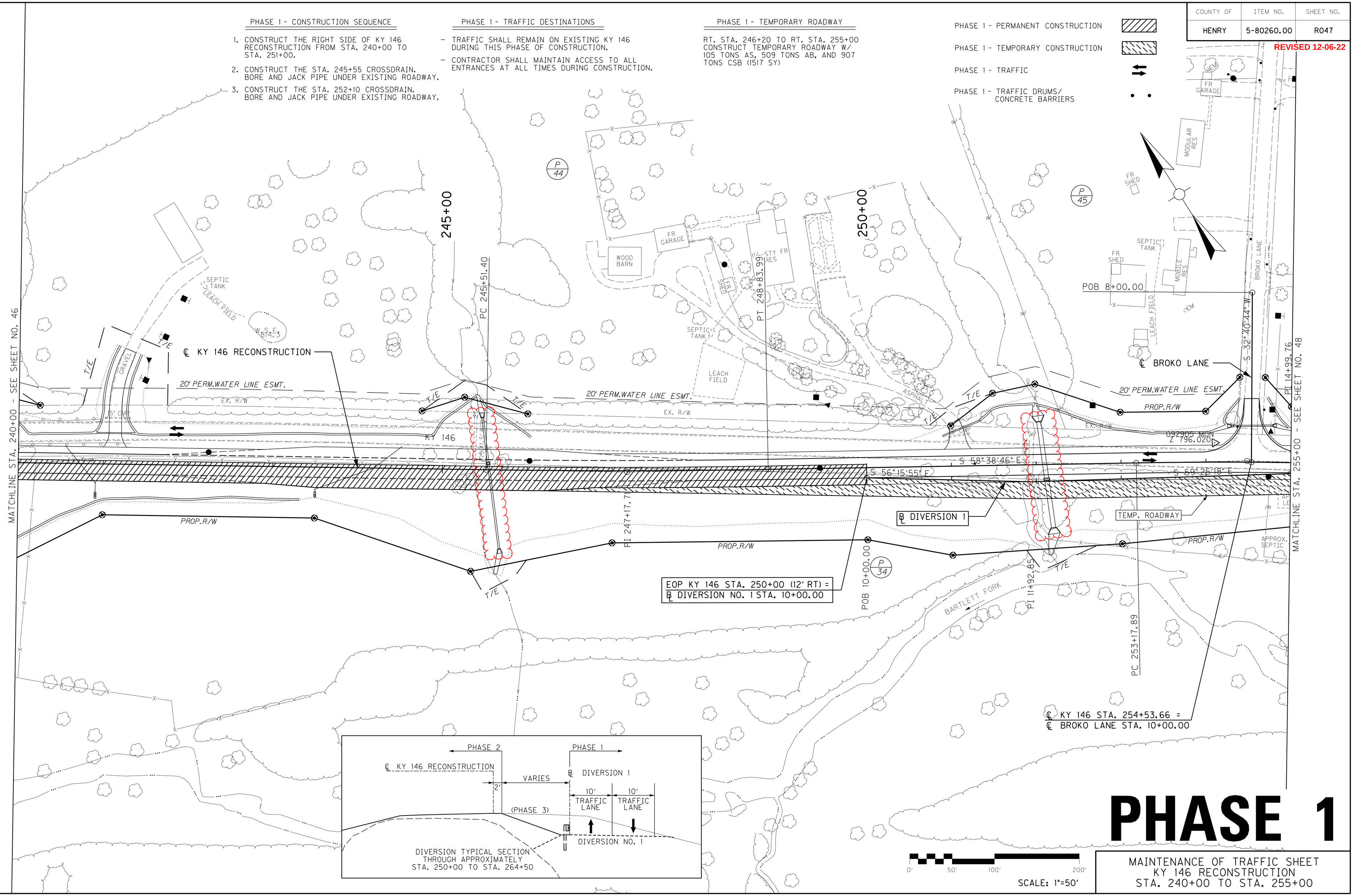
RT. STA. 246+20 TO RT. STA. 255+00
CONSTRUCT TEMPORARY ROADWAY W/
105 TONS AS, 509 TONS AB, AND 907
TONS CSB (1517 SY)

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

PHASE 1 - TRAFFIC DRUMS/
CONCRETE BARRIERS



PHASE 1

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R047TOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R052

PHASE 2 - CONSTRUCTION SEQUENCE

1. RELOCATE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM LT. STA. 135+00 TO STA. 137+50.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50 AND FROM STA. 148+50 TO STA. 150+00. CONSTRUCT THE LEFT SHOULDER PORTION FROM STA. 141+50 TO ROSEHILL LANE.
3. WIDEN THE LEFT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
4. CONSTRUCT ROSEHILL CROSSDRAIN WHILE MAINTAINING TRAFFIC.
5. CONSTRUCT THE RIGHT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 135+00 TO STA. 141+50, THEN TO RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN TO THE TEMPORARY WIDENING FOR THIS PHASE OF CONSTRUCTION.
- ROSEHILL LANE TRAFFIC SHALL USE THE TEMPORARY ROADWAY CONSTRUCTED AT LT. STA. 145+00.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - TEMPORARY DRAINAGE

LT. STA. 145+00 18" TEMPORARY PIPE IS STILL IN USE

LT. STA. 144+00 BACK TO ROSEHILL CROSSDRAIN INLET, CONSTRUCT 60 L.F. TEMP. DITCH, TIE PROPOSED ROADSIDE DITCH TO INLET.

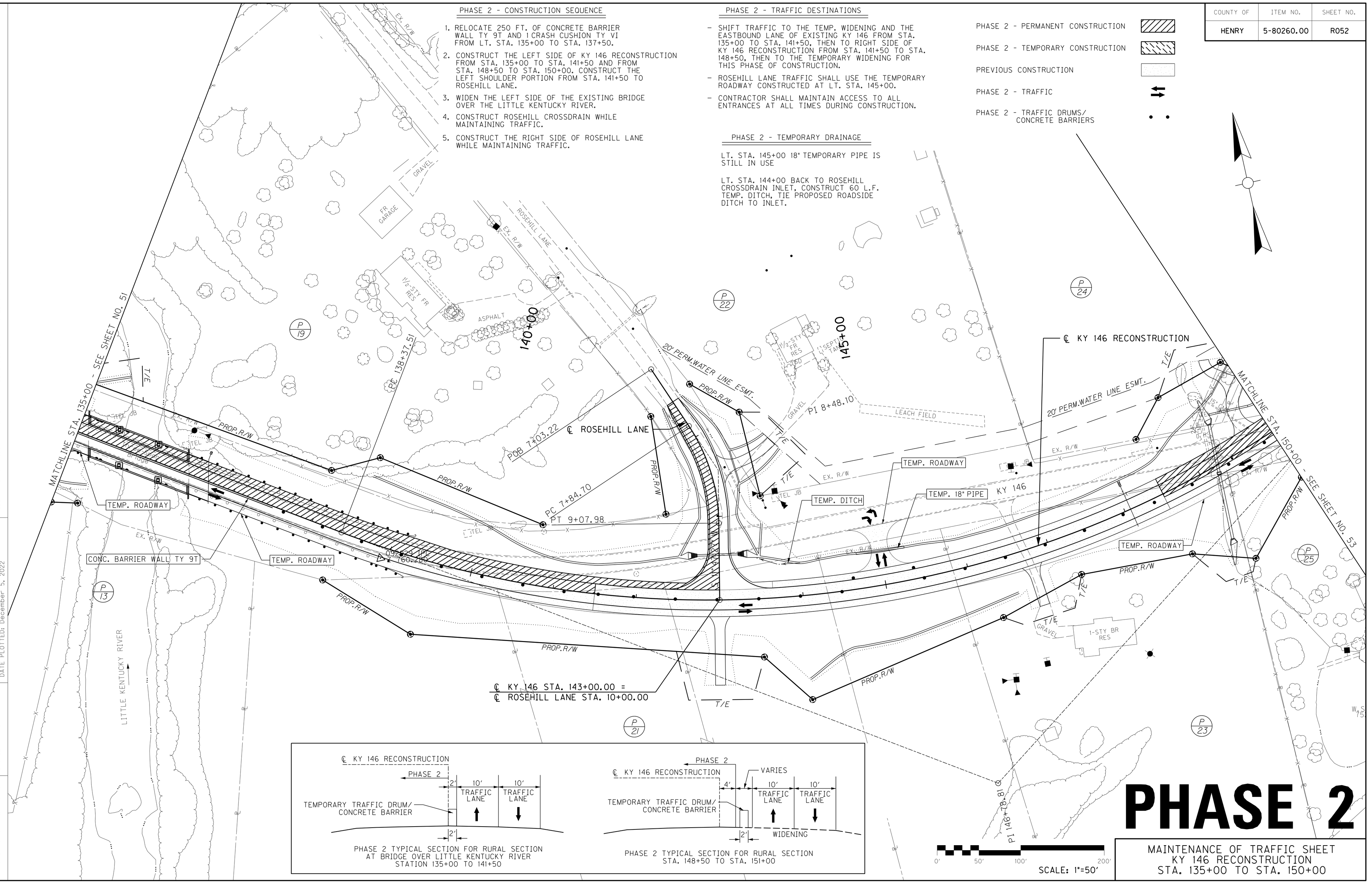
PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 2

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R052OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R052

REVISED 12-06-22

PHASE 2 - CONSTRUCTION SEQUENCE

1. RELOCATE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM LT. STA. 135+00 TO STA. 137+50.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50 AND FROM STA. 148+50 TO STA. 150+00. CONSTRUCT THE LEFT SHOULDER PORTION FROM STA. 141+50 TO ROSEHILL LANE.
3. WIDEN THE LEFT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
4. CONSTRUCT ROSEHILL CROSSDRAIN WHILE MAINTAINING TRAFFIC.
5. CONSTRUCT THE RIGHT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 135+00 TO STA. 141+50, THEN TO RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN TO THE TEMPORARY WIDENING FOR THIS PHASE OF CONSTRUCTION.
- ROSEHILL LANE TRAFFIC SHALL USE THE TEMPORARY ROADWAY CONSTRUCTED AT LT. STA. 145+00.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - TEMPORARY DRAINAGE

LT. STA. 145+00 18" TEMPORARY PIPE IS STILL IN USE

LT. STA. 144+00 BACK TO ROSEHILL CROSSDRAIN INLET, CONSTRUCT 60 L.F. TEMP. DITCH, TIE PROPOSED ROADSIDE DITCH TO INLET.

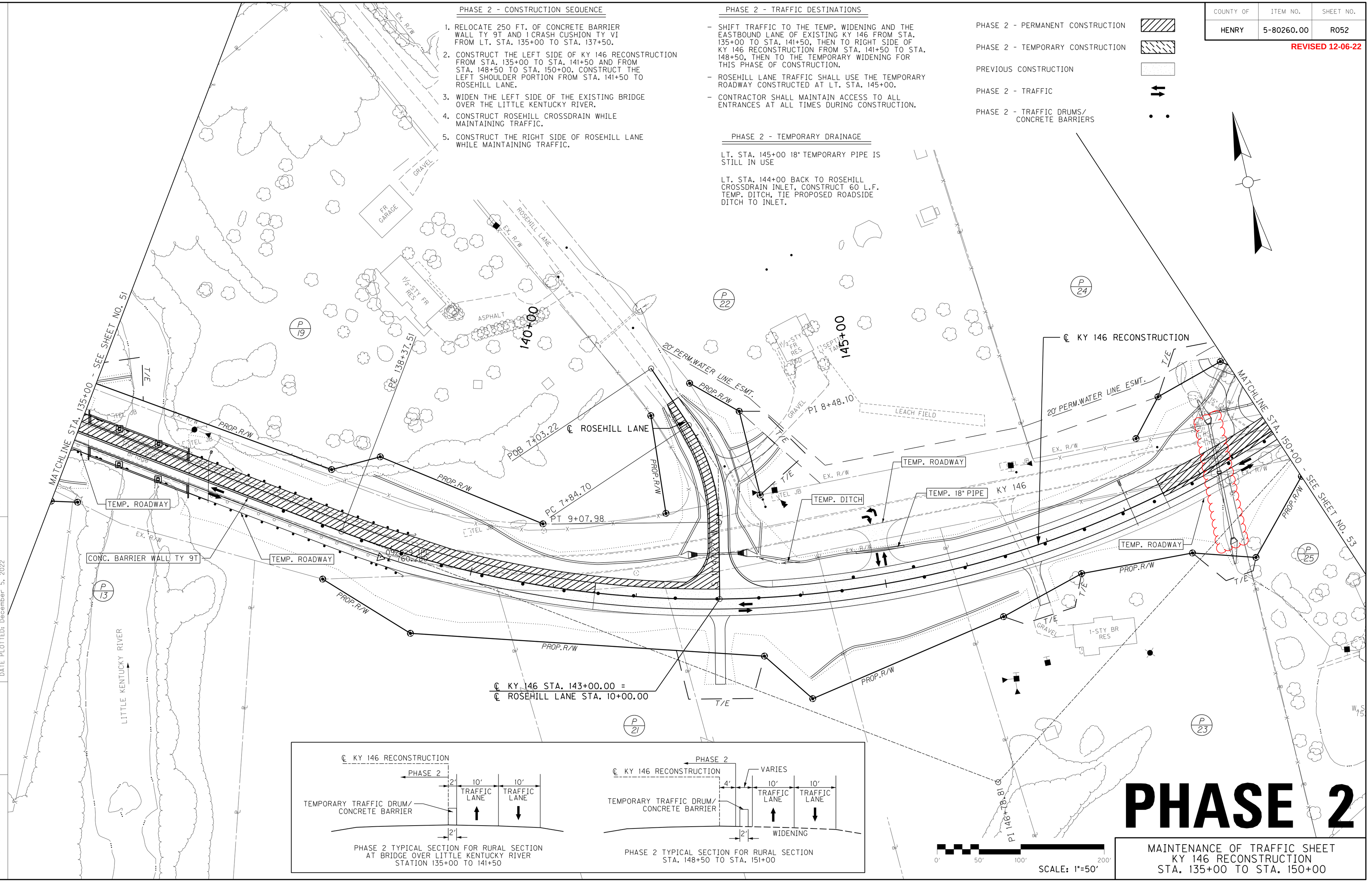
PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS



0' 50' 100' 200'

SCALE: 1"=50'

PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R052OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R056

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 225+00 TO STA. 240+00.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

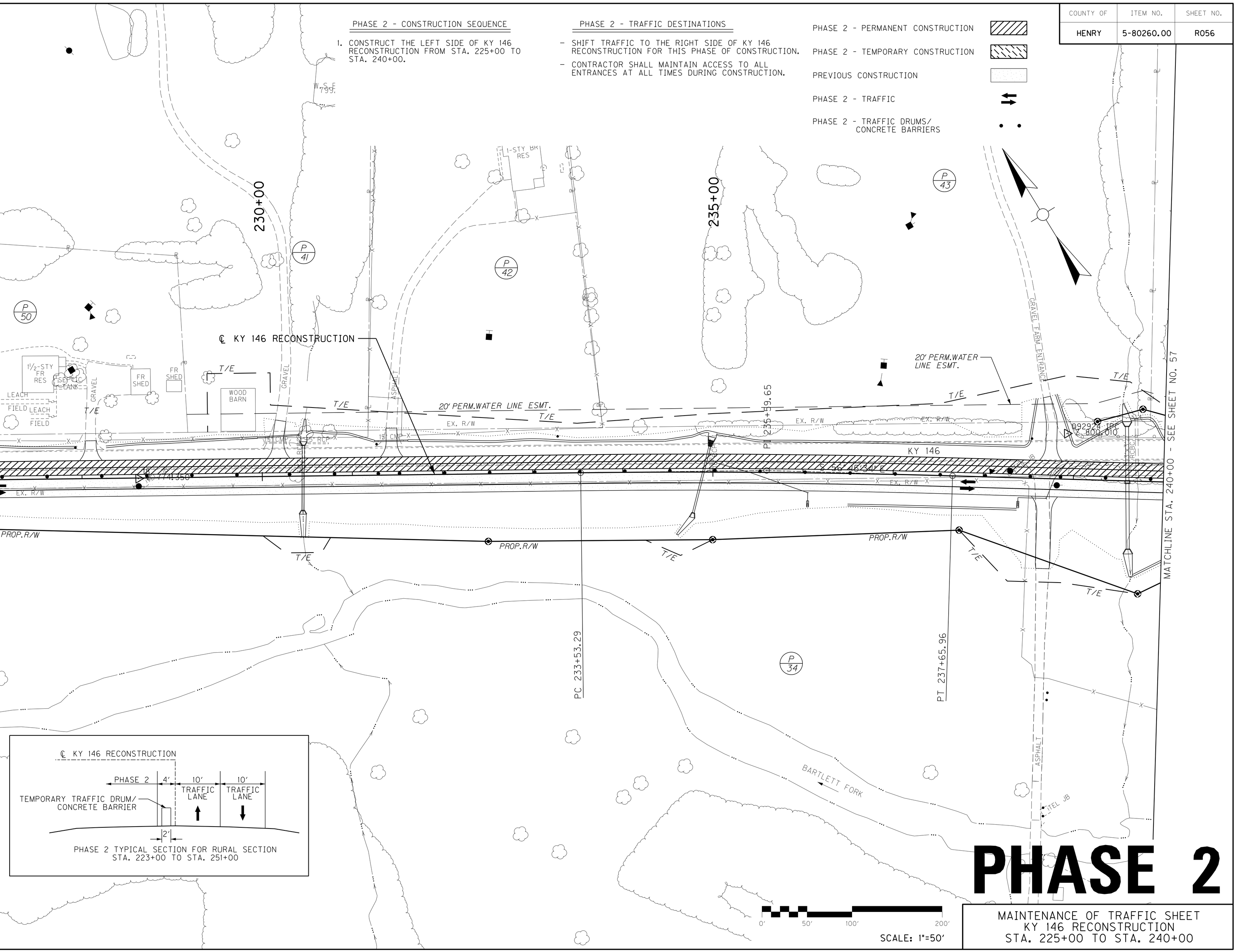
PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 2 TYPICAL SECTION FOR RURAL SECTION
STA. 223+00 TO STA. 251+00

PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R056OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R056

REVISED 12-06-22

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 225+00 TO STA. 240+00.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

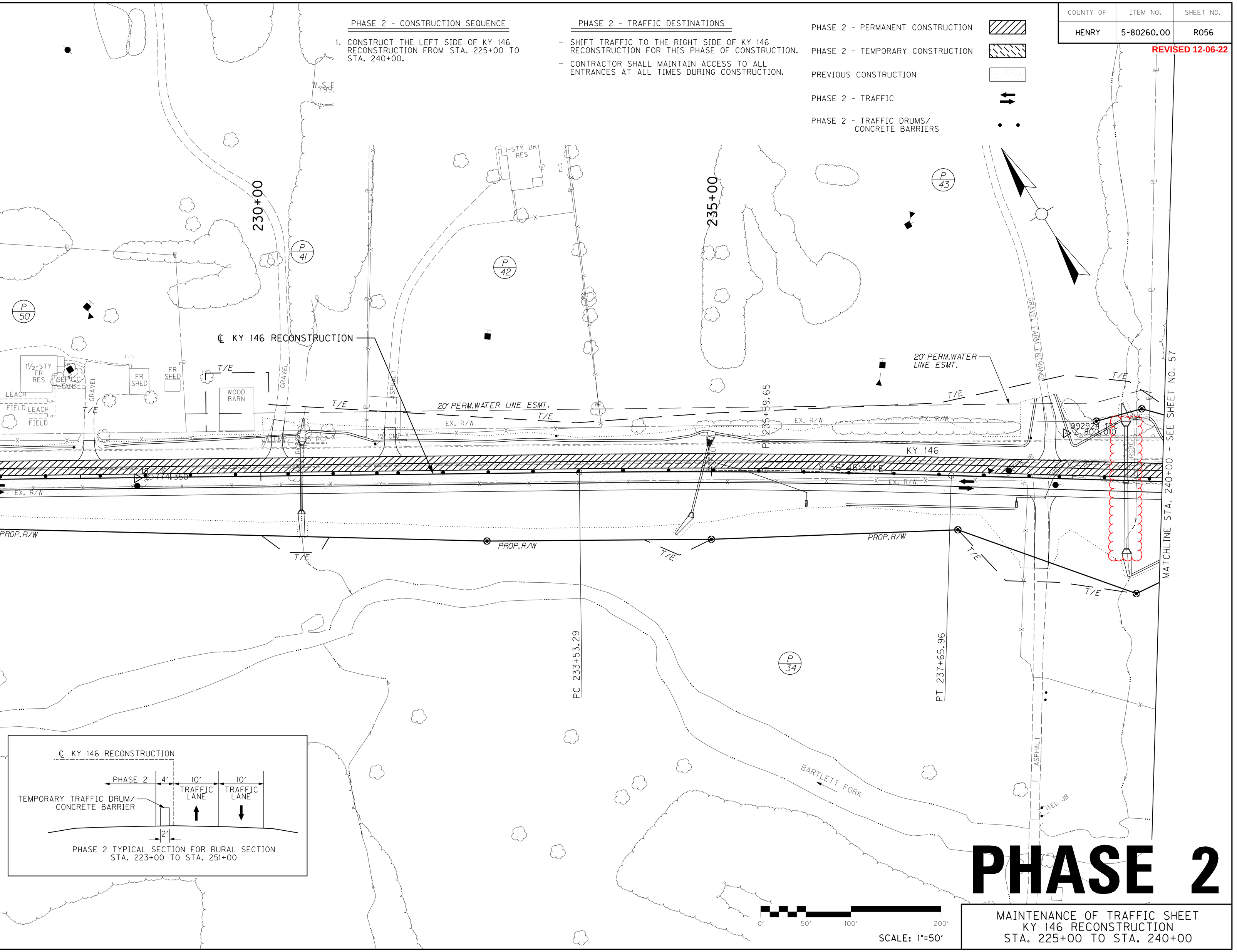
PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 2 TYPICAL SECTION FOR RURAL SECTION
STA. 223+00 TO STA. 251+00

PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R056OMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R057

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 240+00 TO STA. 255+00.
2. CONSTRUCT THE BROKO LANE CONNECTION WHILE MAINTAINING TRAFFIC.
3. CONSTRUCT THE BROKO LANE CROSSDRAIN.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION THROUGH STA. 250+00 AND THEN TO DIVERSION NO. 1 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS

MATCHLINE STA. 240+00 - SEE SHEET NO. 56

MATCHLINE STA. 255+00 - SEE SHEET NO. 58

℄ KY 146 RECONSTRUCTION

℄ BROKO LANE

℄ DIVERSION 1

245+00

250+00

PC 245+51.40

PT 248+83.99

PI 247+17.76

PI 11+92.85

PC 253+17.89

PI 14+99.76

POB 8+00.00

POB 10+00.00

EOP KY 146 STA. 250+00 (12' RT) = ℄ DIVERSION NO. 1 STA. 10+00.00

℄ KY 146 STA. 254+53.66 = ℄ BROKO LANE STA. 10+00.00

S 32°40'44" W

S 56°15'55" E

S 59°25'18" E

092905 MON
Z 796.020

20' PERM.WATER LINE ESMT.

EX. R/W

PROP.R/W

T/E

FR GARAGE

WOOD BARN

1-STY FR RES

FR SHED

SEPTIC TANK

LEACH FIELD

W.S.E. 814.3

GRAVEL

ASPHALT

MODULAR RES

MOBILE RES

BROKO LANE

TEMP. ROADWAY

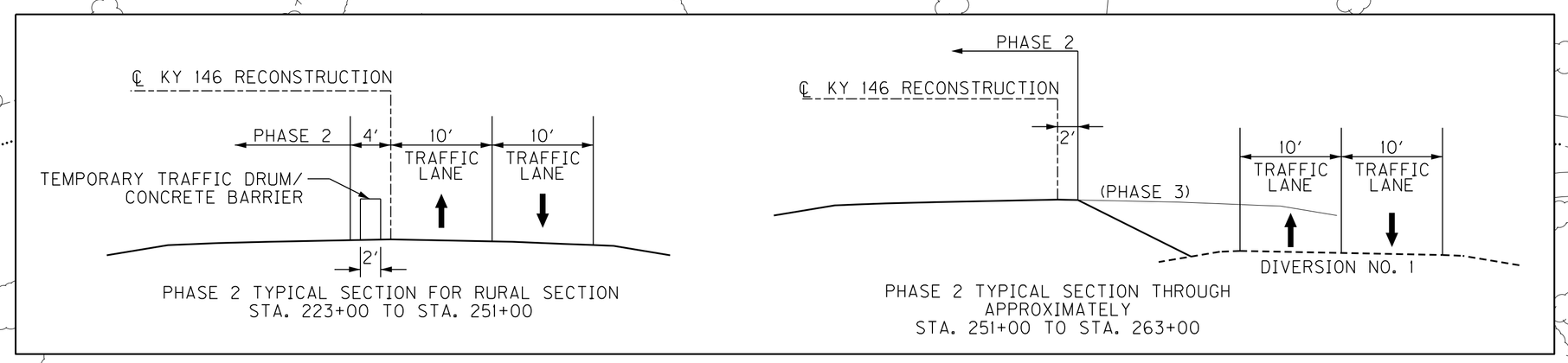
APPROX. SEPTIC

BARTLETT FORK

P 44

P 45

P 34



PHASE 2

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R057TOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R057

REVISED 12-06-22

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 240+00 TO STA. 255+00.
2. CONSTRUCT THE BROKO LANE CONNECTION WHILE MAINTAINING TRAFFIC.
3. CONSTRUCT THE BROKO LANE CROSSDRAIN.

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION THROUGH STA. 250+00 AND THEN TO DIVERSION NO. 1 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 2 - TRAFFIC

PHASE 2 - TRAFFIC DRUMS/ CONCRETE BARRIERS

MATCHLINE STA. 240+00 - SEE SHEET NO. 56

MATCHLINE STA. 255+00 - SEE SHEET NO. 58

℄ KY 146 RECONSTRUCTION

℄ BROKO LANE

℄ DIVERSION 1

TEMP. ROADWAY

KY 146

245+00

250+00

PC 245+51.40

PT 248+83.99

PI 247+17.76

PI 11+92.85

PC 253+17.89

PI 14+99.76

POB 8+00.00

POB 10+00.00

EOP KY 146 STA. 250+00 (12' RT) = ℄ DIVERSION NO. 1 STA. 10+00.00

℄ KY 146 STA. 254+53.66 = ℄ BROKO LANE STA. 10+00.00

S 56°15'55" E

S 50°38'46" E

S 39°25'18" E

S 32°40'44" W

20' PERM.WATER LINE ESMT.

EX. R/W

PROP.R/W

T/E

SEPTIC TANK

LEACH FIELD

GRAVEL

WOOD BARN

FR GARAGE

1 STY FR RES

FR SHED

MODULAR RES

MOBILE RES

ASPHALT

BARTLETT FORK

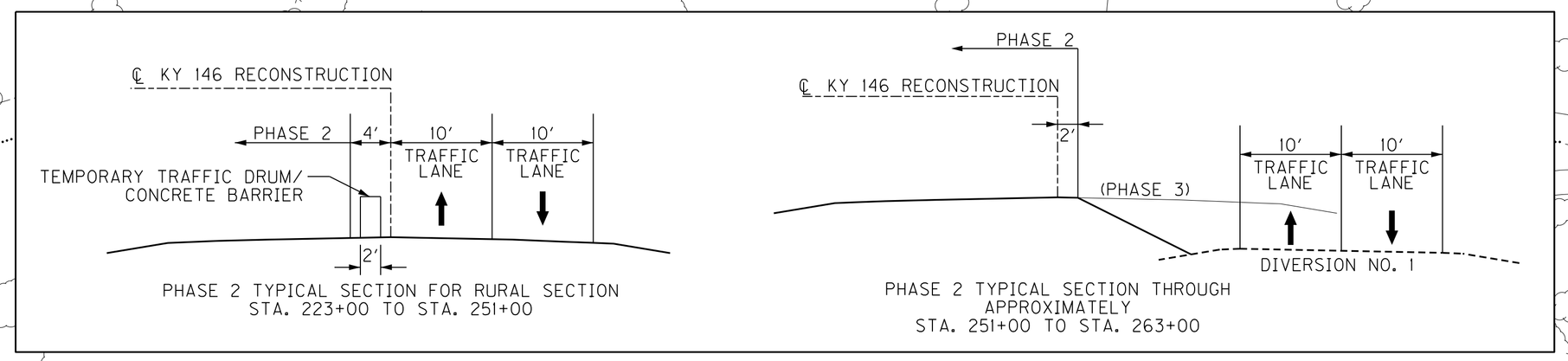
APPROX. SEPTIC

092905 MON Z 796.020

P 44

P 45

P 34



PHASE 2

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R057TOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R061

PHASE 3 - CONSTRUCTION SEQUENCE

1. REMOVE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 135+00 TO STA. 137+50.
2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50.
3. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00.
4. CONSTRUCT THE LEFT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.
5. CONSTRUCT THE PROPOSED DITCH LEFT OF KY 146 RECONSTRUCTION FROM STA. 144+00 BACK TO THE ROSEHILL LANE CROSSDRAIN INLET.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

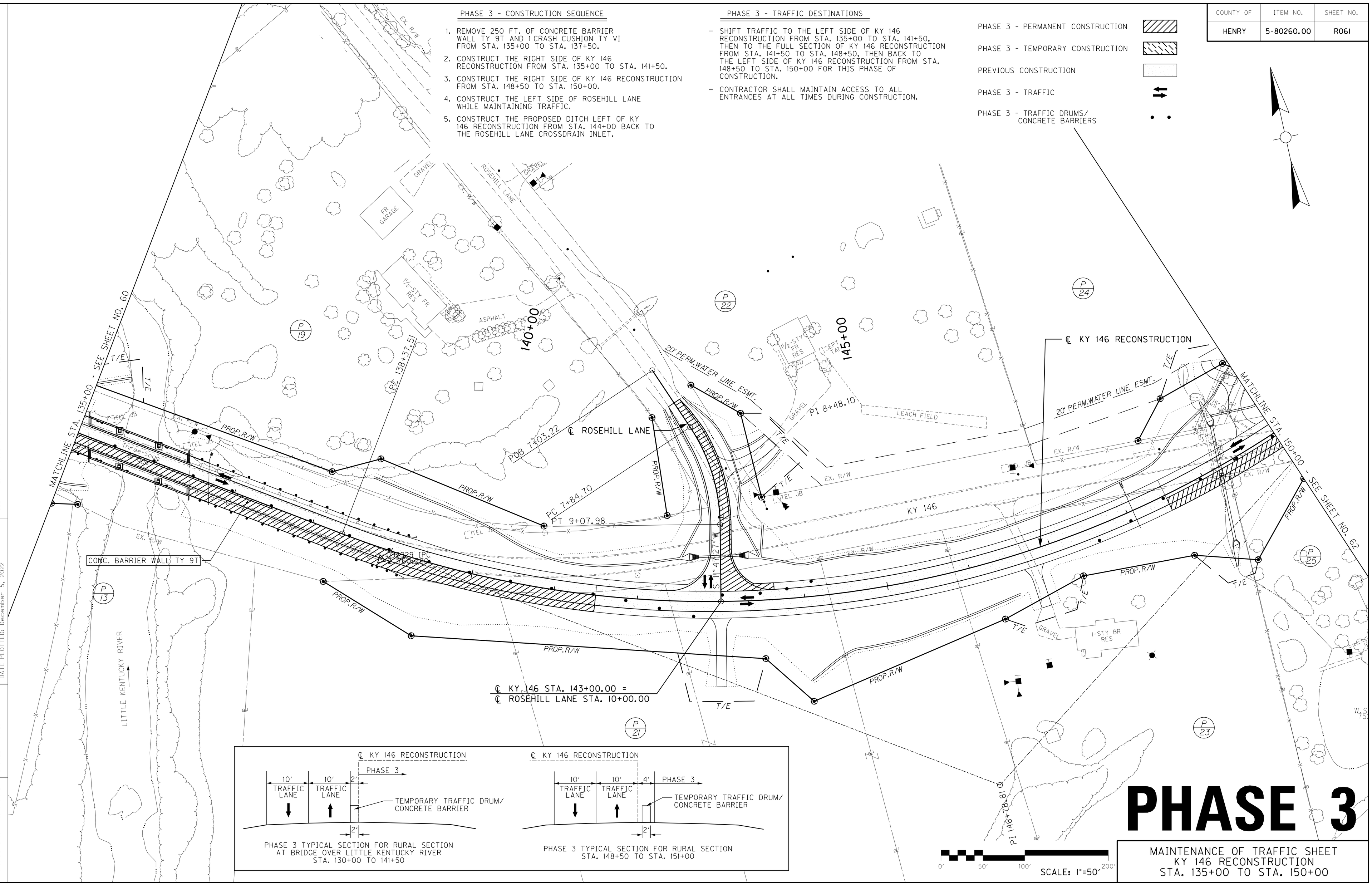
PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 3 - TRAFFIC

PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 3

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jsluganTz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R061OOMT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R061

REVISED 12-06-22

PHASE 3 - CONSTRUCTION SEQUENCE

1. REMOVE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 135+00 TO STA. 137+50.
2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50.
3. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00.
4. CONSTRUCT THE LEFT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.
5. CONSTRUCT THE PROPOSED DITCH LEFT OF KY 146 RECONSTRUCTION FROM STA. 144+00 BACK TO THE ROSEHILL LANE CROSSDRAIN INLET.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

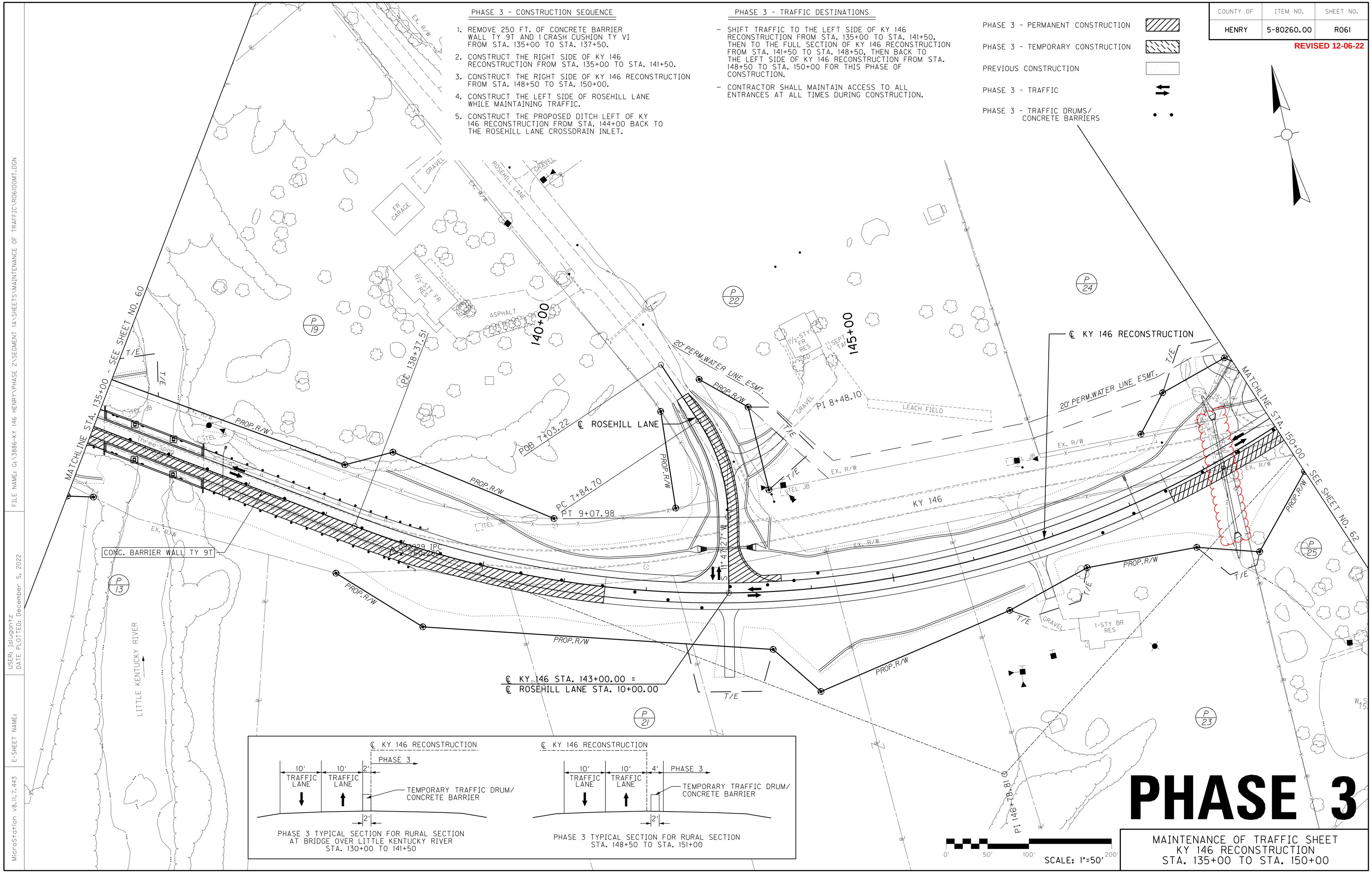
PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 3 - TRAFFIC

PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

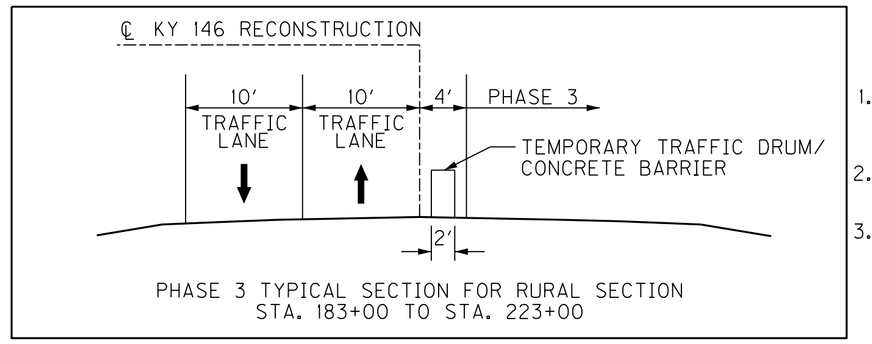
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R0610OMT.DGN

USER: jslugantz
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R063



PHASE 3 TYPICAL SECTION FOR RURAL SECTION
STA. 183+00 TO STA. 223+00

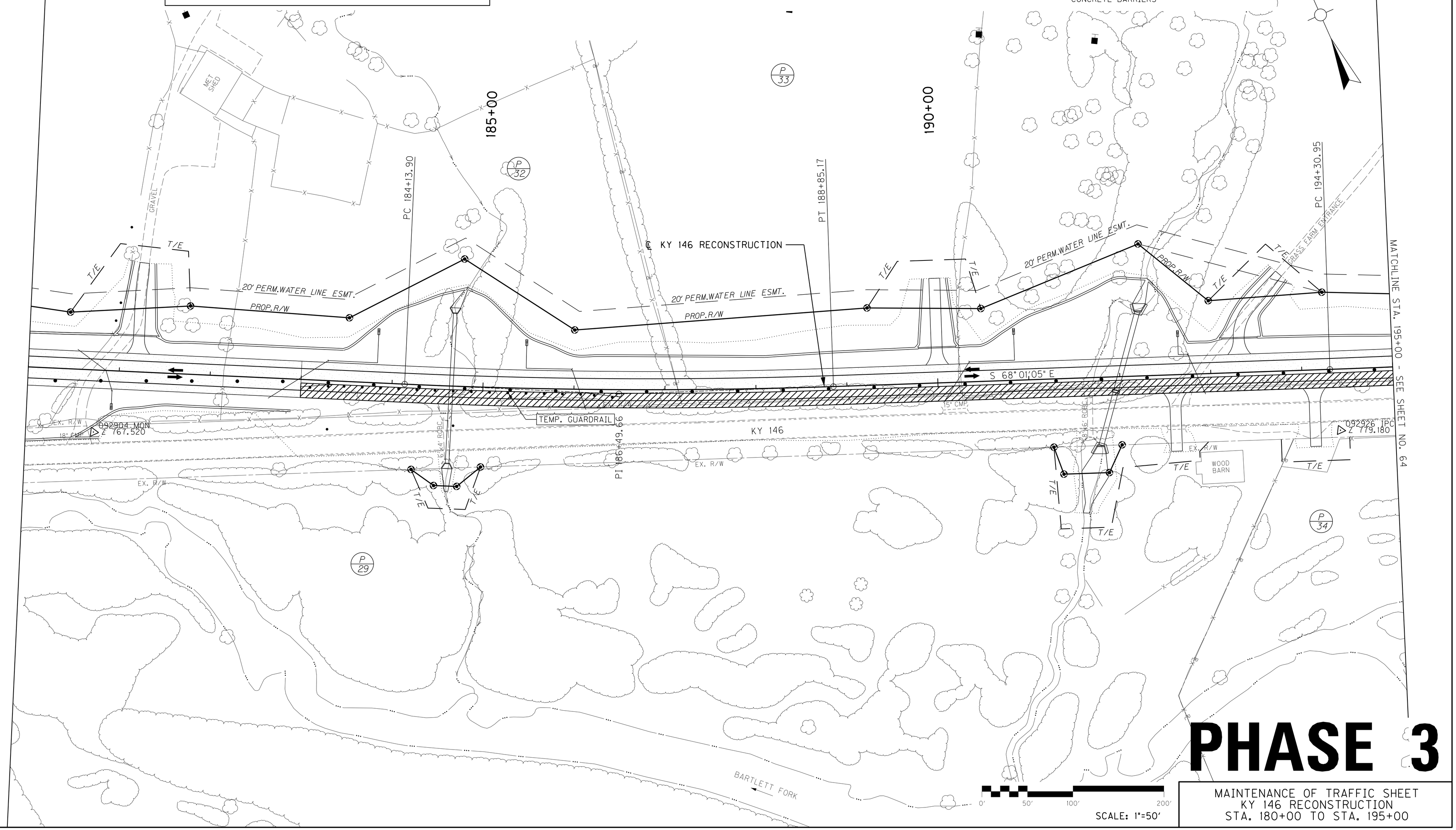
PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00.
2. CONSTRUCT REMAINING PORTION OF THE STA. 184+65.20 CROSSDRAIN.
3. REMOVE 275 FT. OF TEMPORARY GUARDRAIL W/2 TYPE 4A END TREATMENTS FROM STA. 183+00 TO STA. 186+50.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION UP TO STA. 183+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 3 - PERMANENT CONSTRUCTION
PHASE 3 - TEMPORARY CONSTRUCTION
PREVIOUS CONSTRUCTION
PHASE 3 - TRAFFIC
PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



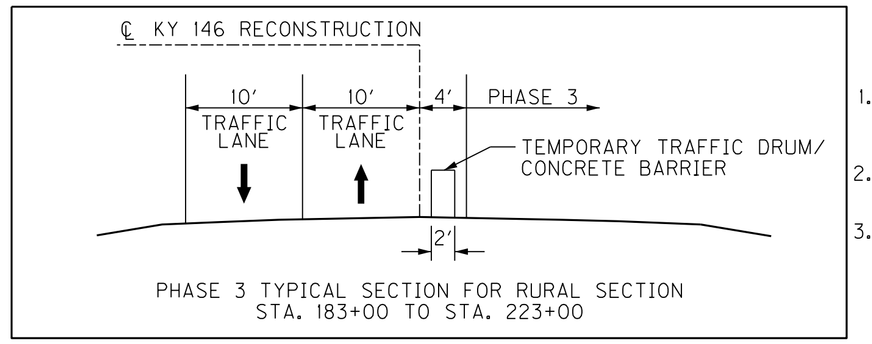
PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R06300MT.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R063

REVISED 12-06-22



PHASE 3 TYPICAL SECTION FOR RURAL SECTION
STA. 183+00 TO STA. 223+00

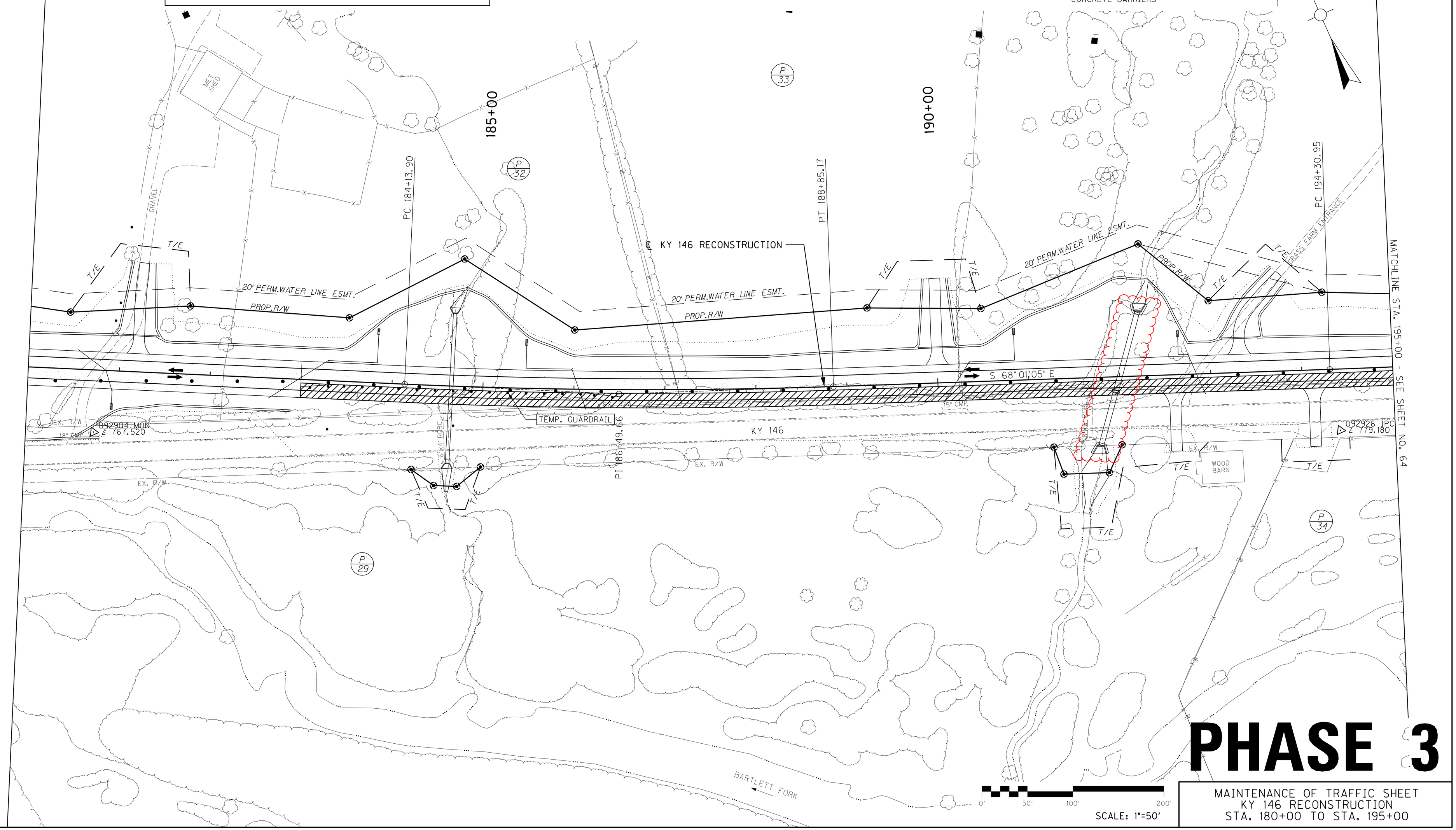
PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00.
2. CONSTRUCT REMAINING PORTION OF THE STA. 184+65.20 CROSSDRAIN.
3. REMOVE 275 FT. OF TEMPORARY GUARDRAIL W/2 TYPE 4A END TREATMENTS FROM STA. 183+00 TO STA. 186+50.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION UP TO STA. 183+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 183+00 TO STA. 195+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 3 - PERMANENT CONSTRUCTION
PHASE 3 - TEMPORARY CONSTRUCTION
PREVIOUS CONSTRUCTION
PHASE 3 - TRAFFIC
PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R06300MT.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R066

PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 250+00 TO STA. 255+00.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION UP TO STA. 250+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 250+00 TO STA. 255+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

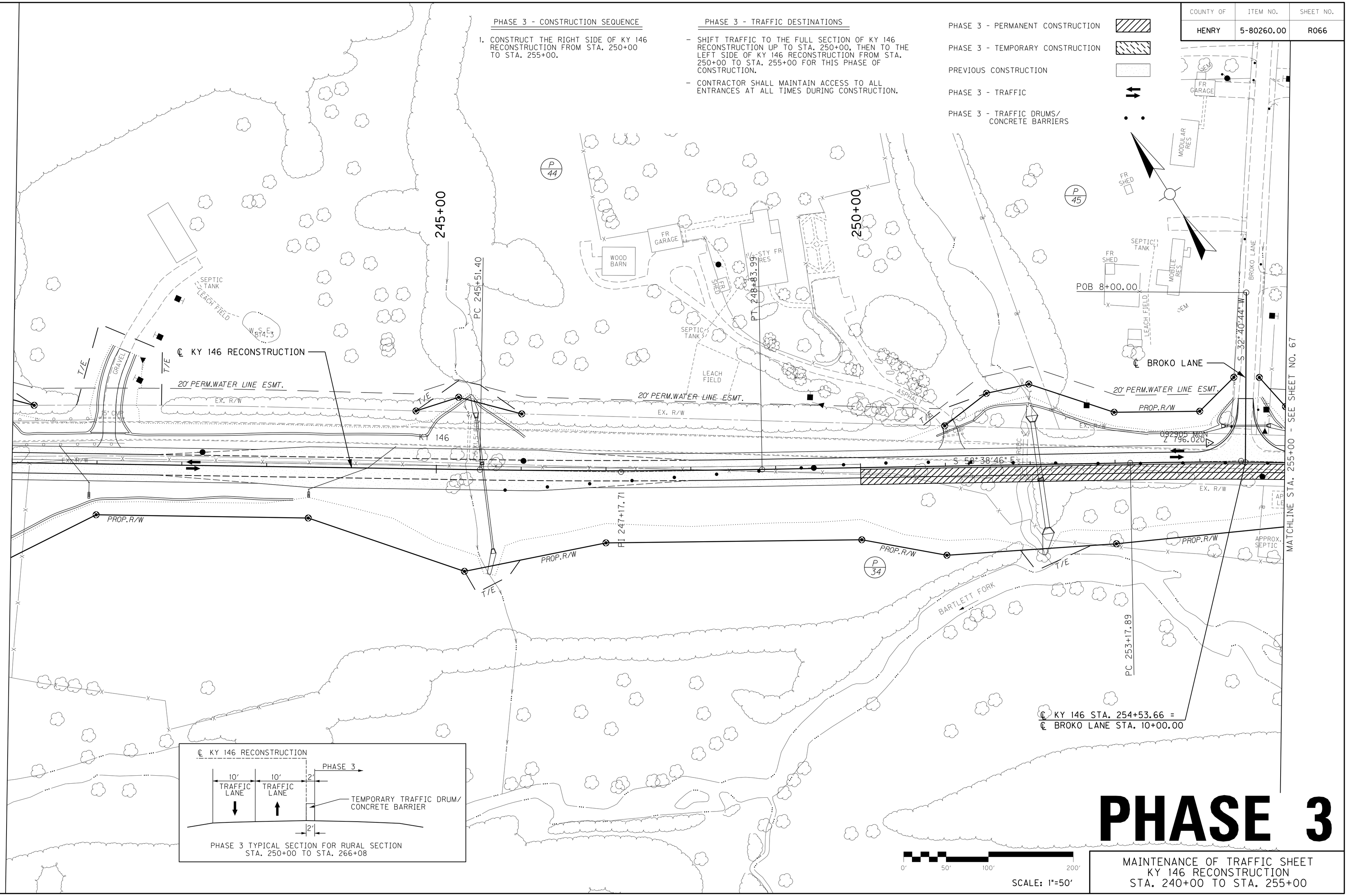
PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 3 - TRAFFIC

PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R066OOMT.DGN

USER: sellis
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R066

REVISED 12-06-22

PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 250+00 TO STA. 255+00.

PHASE 3 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION UP TO STA. 250+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 250+00 TO STA. 255+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

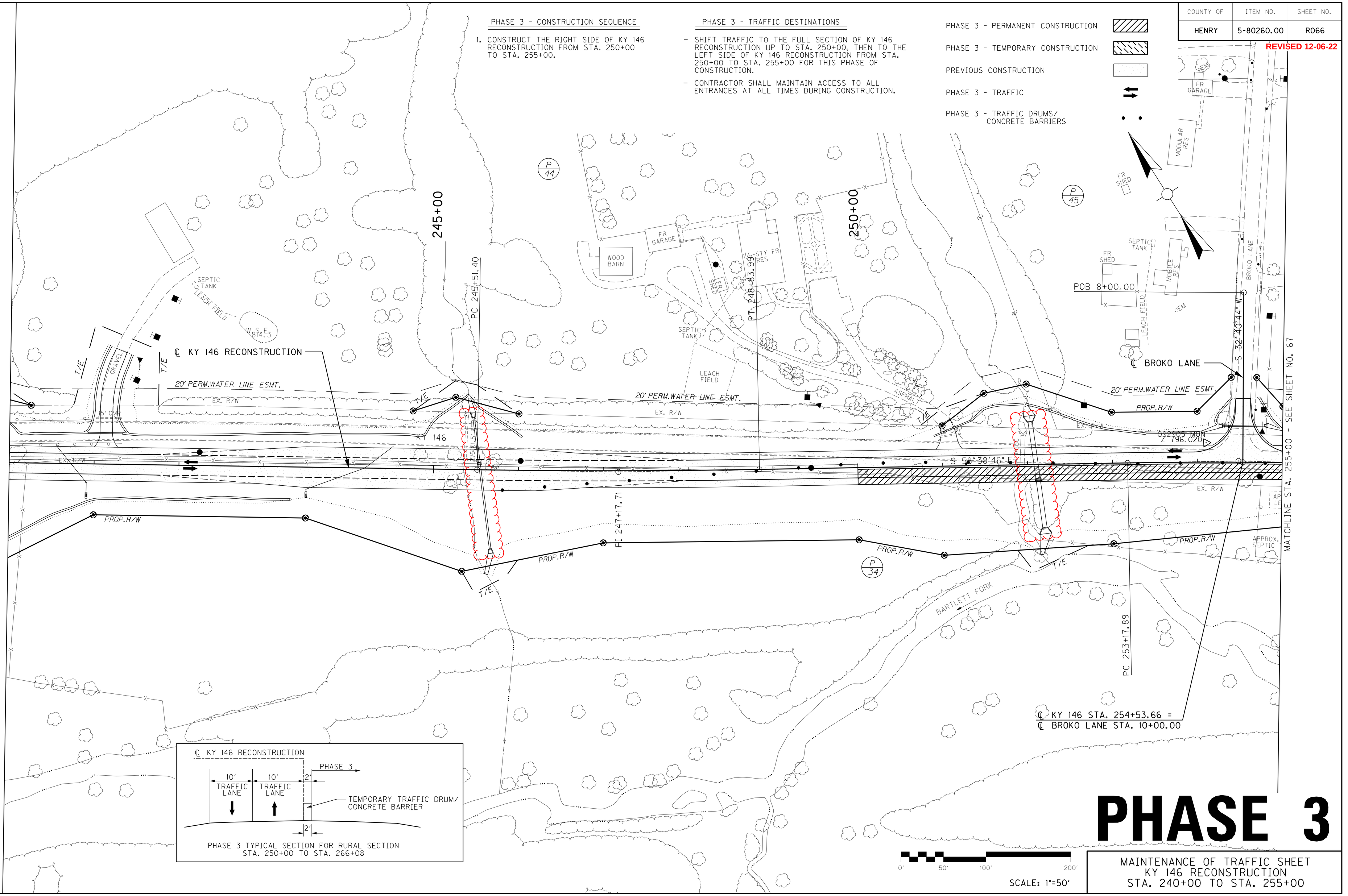
PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS CONSTRUCTION

PHASE 3 - TRAFFIC

PHASE 3 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 3 TYPICAL SECTION FOR RURAL SECTION
STA. 250+00 TO STA. 266+08

PHASE 3

0' 50' 100' 200'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: sellis | DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\MAINTENANCE OF TRAFFIC\R066GOMT.DGN

EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

SCALE: 1"=50'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R072

EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
17	2.512	9119
18	0.961	3489
19	0.035	127
20	0.145	527
21	0.022	80
22	0.127	461
23	0.079	287
24	0.051	186
25	0.260	944
26	0.078	283
27	2.706	9823
28	0.988	3587
29	0.525	1906
30	0.134	487
31	3.164	11486
32	0.594	2157

MicroStation v8.11.7.443

E-SHEET NAME:

USER: sellis
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R0720EC.DGN

EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00

SCALE: 1"=50'

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
17	2.512	9119
18	0.961	3489
19	0.035	127
20	0.145	527
21	0.022	80
22	0.127	461
23	0.079	287
24	0.051	186
25	0.260	944
26	0.078	283
27	2.706	9823
28	0.988	3587
29	0.525	1906
30	0.134	487
31	3.164	11486
32	0.594	2157

DISTURBED DRAINAGE AREAS

EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R072

REVISED 12-06-22

MicroStation v8.11.7.443

E-SHEET NAME:

USER: sellis
DATE PLOTTED: December 5, 2022

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R072OEC.DGN

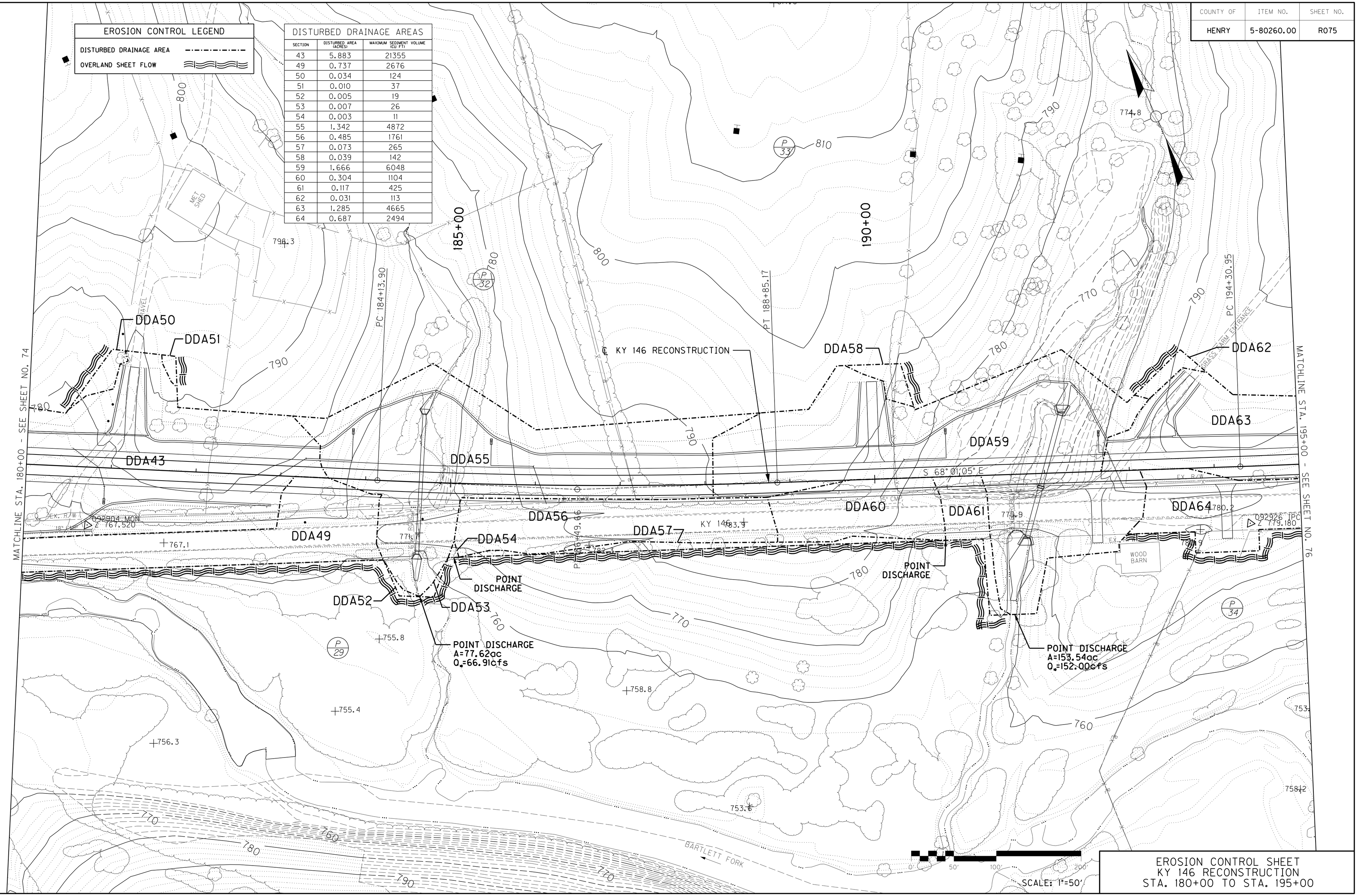
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R075

EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
43	5.883	21355
49	0.737	2676
50	0.034	124
51	0.010	37
52	0.005	19
53	0.007	26
54	0.003	11
55	1.342	4872
56	0.485	1761
57	0.073	265
58	0.039	142
59	1.666	6048
60	0.304	1104
61	0.117	425
62	0.031	113
63	1.285	4665
64	0.687	2494



EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R07500EC.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R075

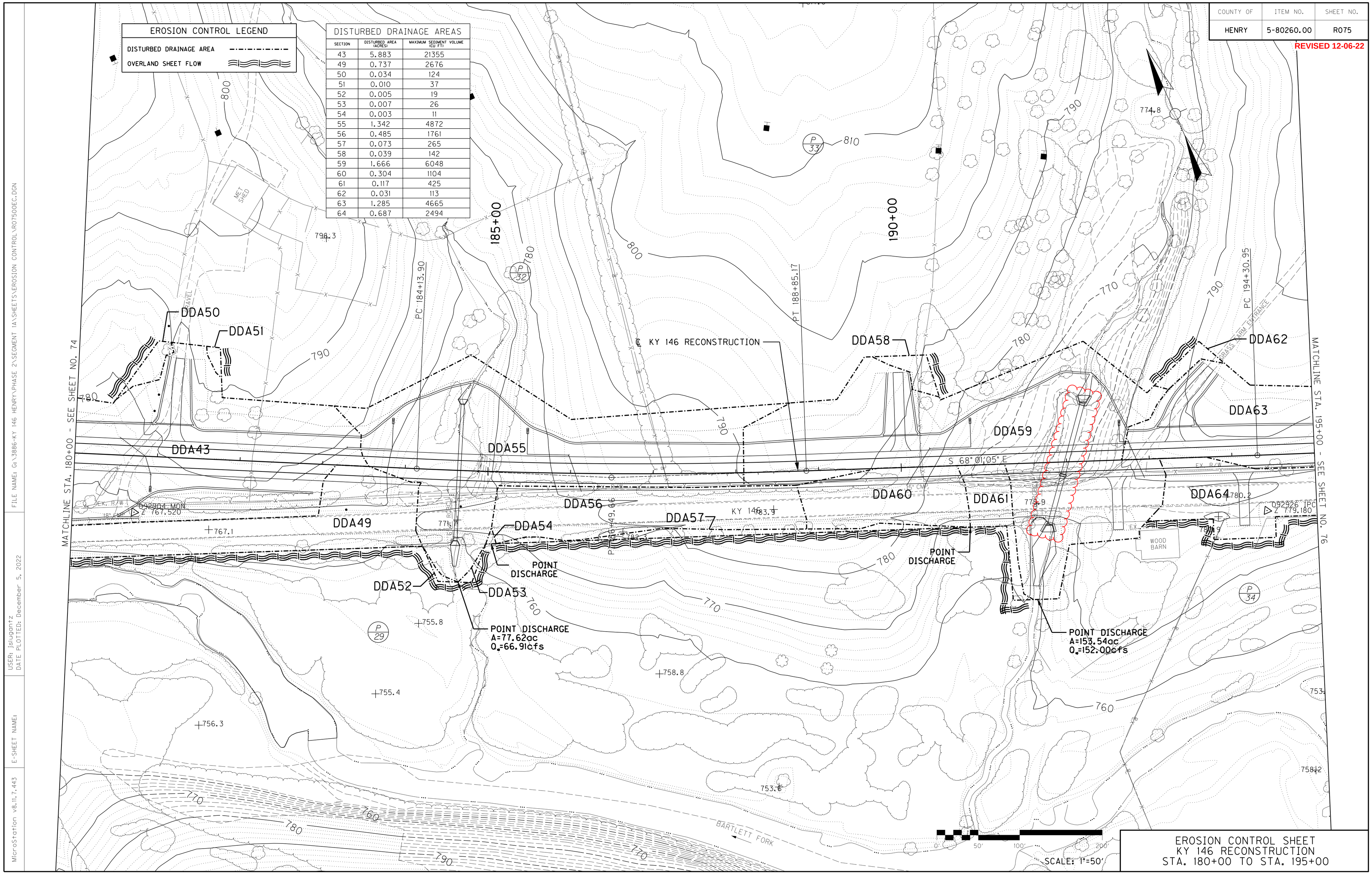
REVISED 12-06-22

EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
43	5.883	21355
49	0.737	2676
50	0.034	124
51	0.010	37
52	0.005	19
53	0.007	26
54	0.003	11
55	1.342	4872
56	0.485	1761
57	0.073	265
58	0.039	142
59	1.666	6048
60	0.304	1104
61	0.117	425
62	0.031	113
63	1.285	4665
64	0.687	2494



EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 180+00 TO STA. 195+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R07500EC.DGN

USER: jslugantz
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R078

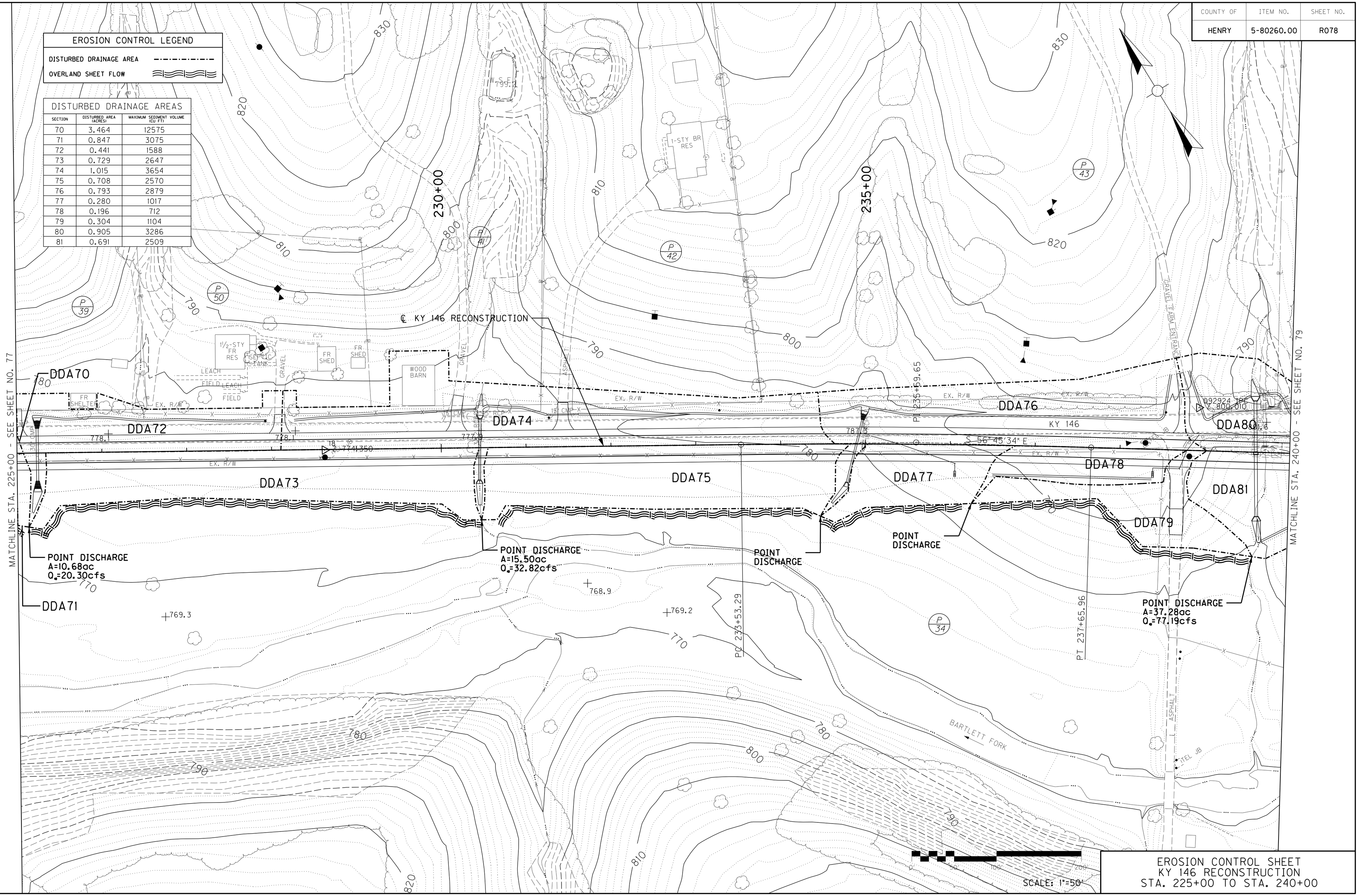
EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
70	3.464	12575
71	0.847	3075
72	0.441	1588
73	0.729	2647
74	1.015	3654
75	0.708	2570
76	0.793	2879
77	0.280	1017
78	0.196	712
79	0.304	1104
80	0.905	3286
81	0.691	2509



MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R078OOEC.DGN

EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R078

REVISED 12-06-22

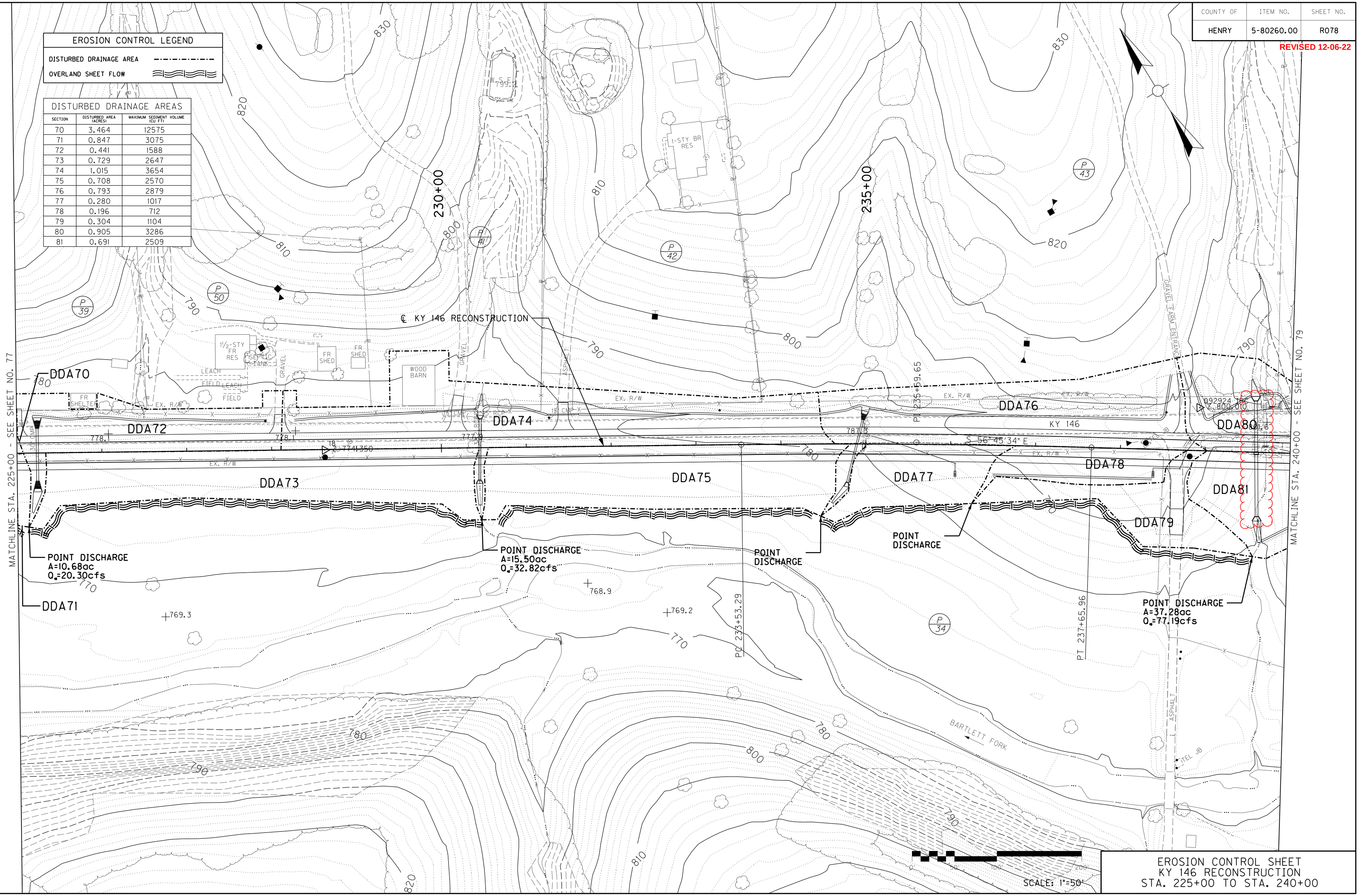
EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS

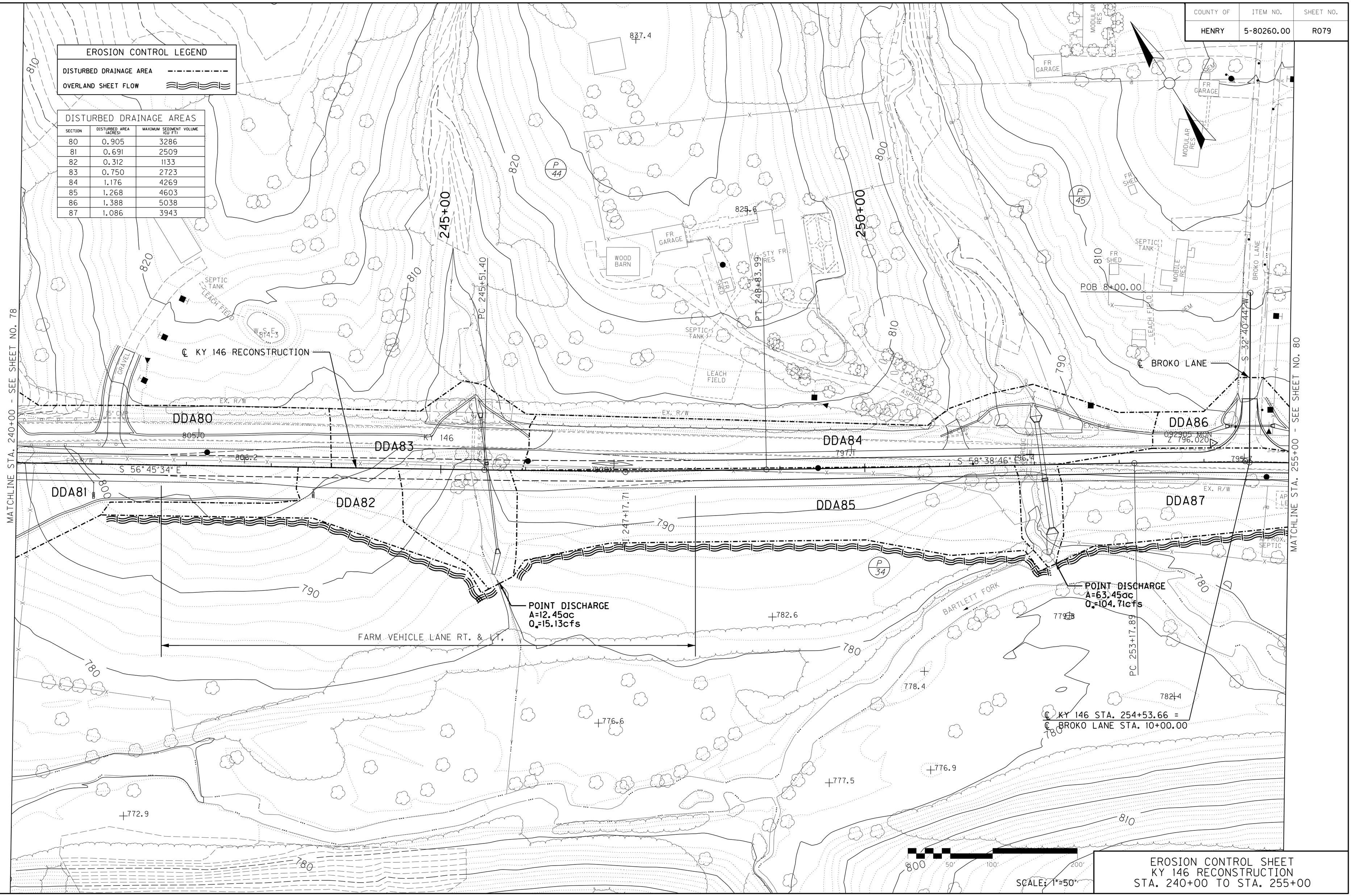
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
70	3.464	12575
71	0.847	3075
72	0.441	1588
73	0.729	2647
74	1.015	3654
75	0.708	2570
76	0.793	2879
77	0.280	1017
78	0.196	712
79	0.304	1104
80	0.905	3286
81	0.691	2509



EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 225+00 TO STA. 240+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R078ODEC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R079



EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
80	0.905	3286
81	0.691	2509
82	0.312	1133
83	0.750	2723
84	1.176	4269
85	1.268	4603
86	1.388	5038
87	1.086	3943

EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R07900EC.DGN

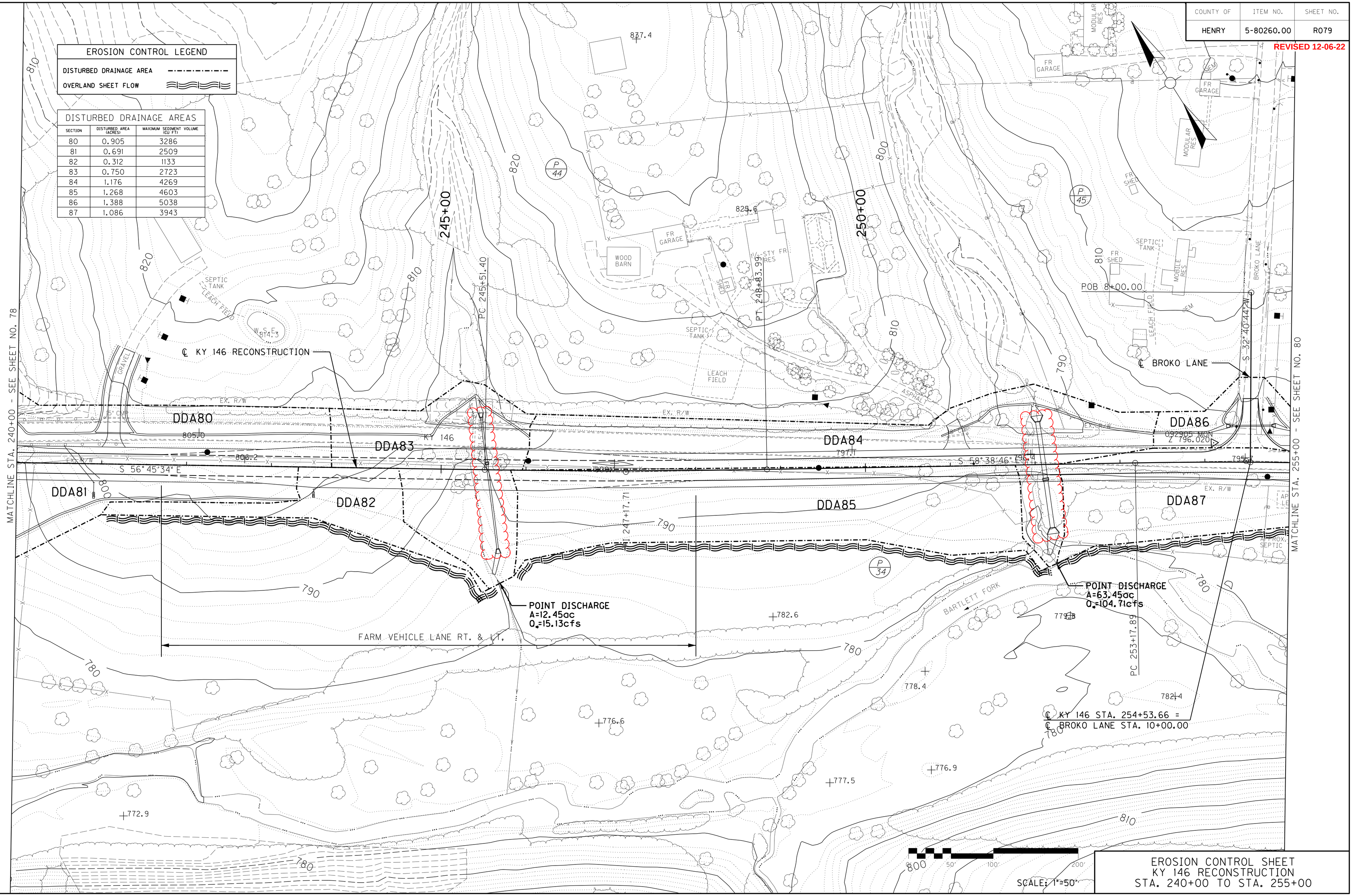
USER: jslugantz
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R079

REVISED 12-06-22



EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
80	0.905	3286
81	0.691	2509
82	0.312	1133
83	0.750	2723
84	1.176	4269
85	1.268	4603
86	1.388	5038
87	1.086	3943

EROSION CONTROL SHEET
KY 146 RECONSTRUCTION
STA. 240+00 TO STA. 255+00

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\EROSION CONTROL\R07900EC.DGN

USER: jslugantz
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

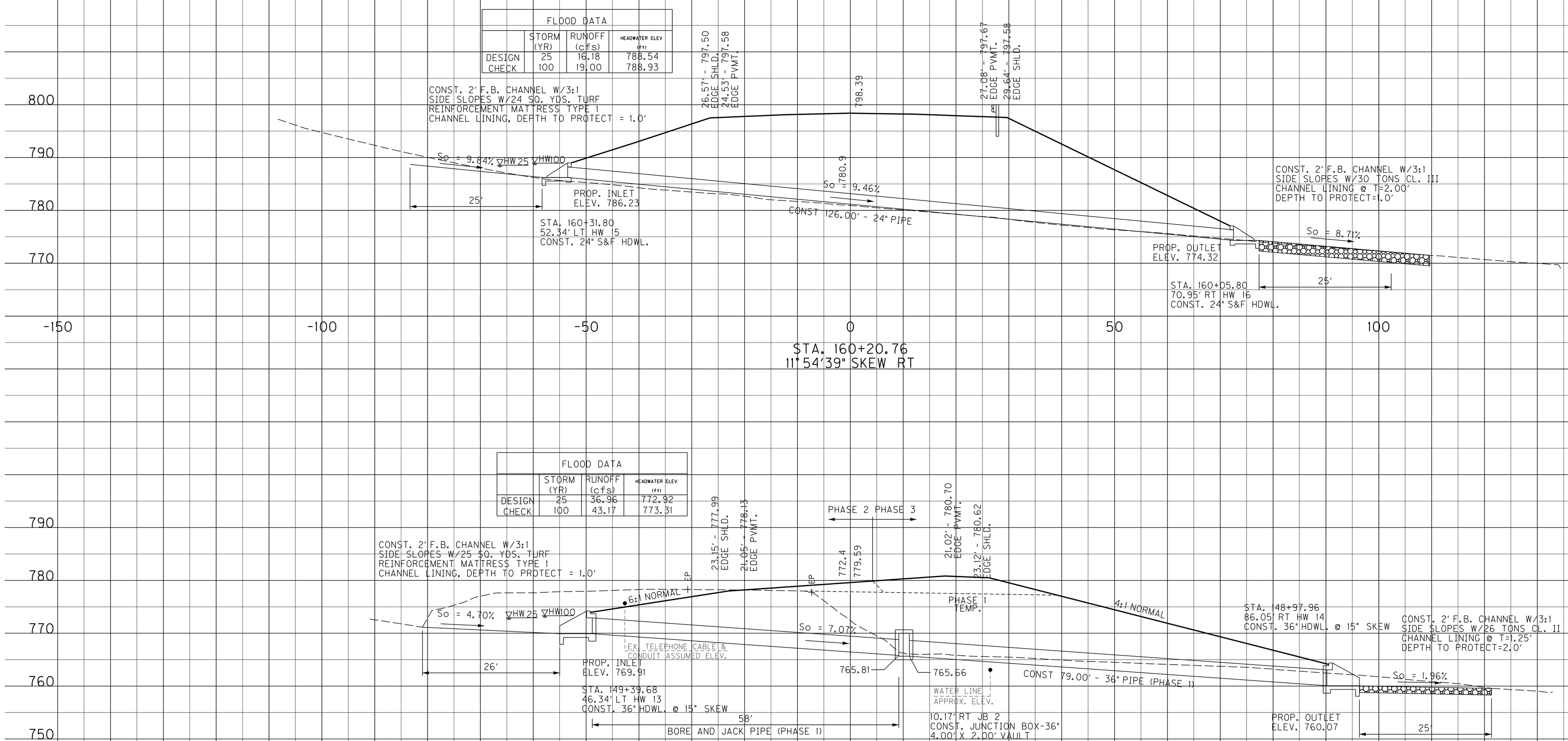
PIPE DRAINAGE SHEET 6 of 24

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	RI28

STORM SEWER PIPE	CULVERT PIPE					
	24"	36"	JUNCTION BOX -36IN	BORE AND JACK PIPE - 36 IN	PIPE CULVERT HEADWALL 24 IN	PIPE CULVERT HEADWALL 36 IN
LINEAR FEET	126	79	EACH 1	LF 58	EACH 2	EACH 2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



SCALE: 1"=10'

PIPE DRAINAGE SHEET
KY 146 RECONSTRUCTION
STA. 149+24 & 160+20.76

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jslugantz DATE PLOTTED: December 5, 2022 | FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\RI2800PD.DGN

PIPE DRAINAGE SHEET 6 of 24

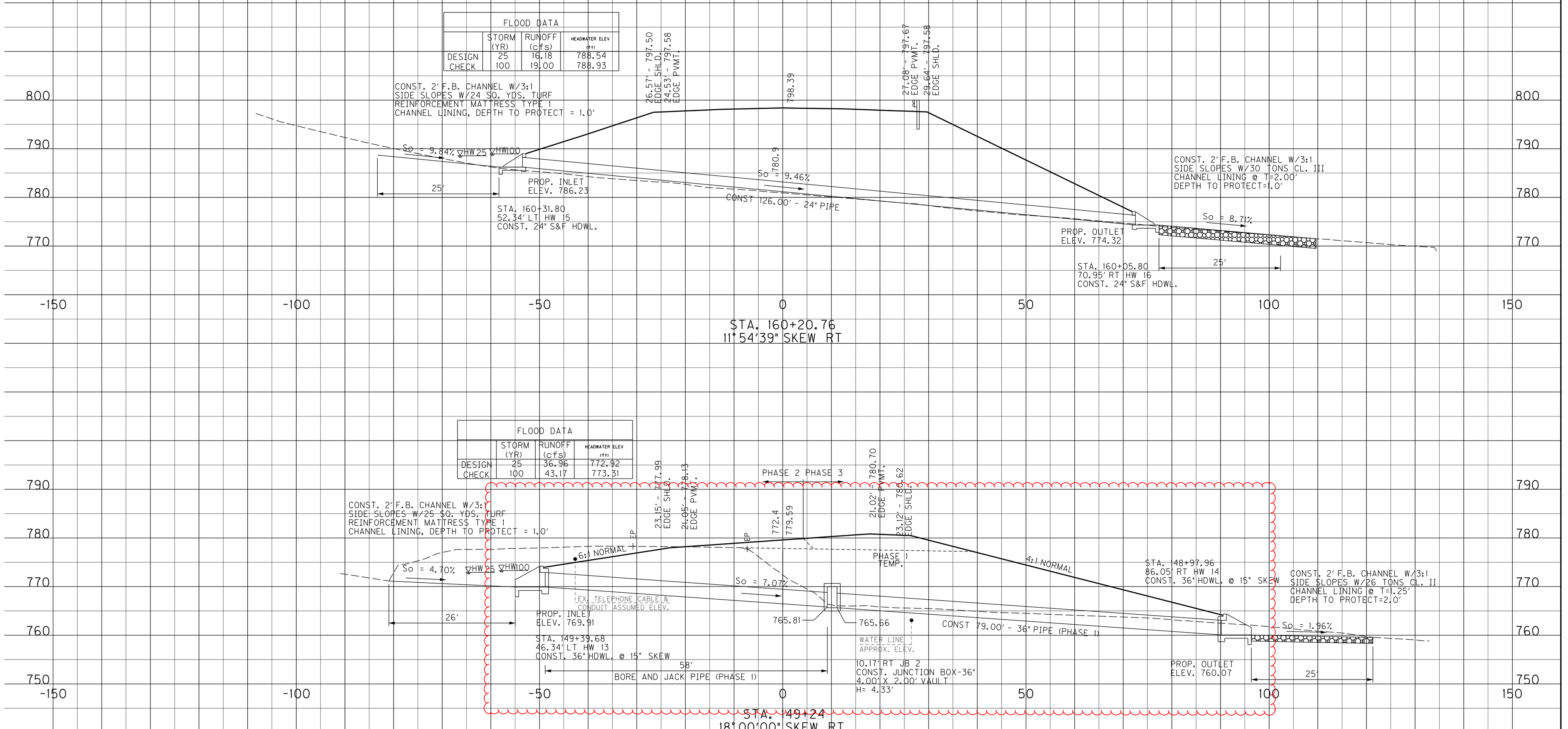
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R128

REVISED 12-06-22

STORM SEWER PIPE	CULVERT PIPE				
	24"	36"	JUNCTION BOX -36IN	BORE AND JACK PIPE - 36 IN	PIPE CULVERT HEADWALL 24 IN	PIPE CULVERT HEADWALL 36 IN
LINEAR FEET			EACH	LF	EACH	EACH
	126	79	1	58	2	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



SCALE: 1"=10'

PIPE DRAINAGE SHEET
KY 146 RECONSTRUCTION
STA. 149+24 & 160+20.76

MicroStation v8.11.7.443 E-SHEET NAME: USER: jslugantz DATE PLOTTED: December 5, 2022 FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\R2800PD.DGN

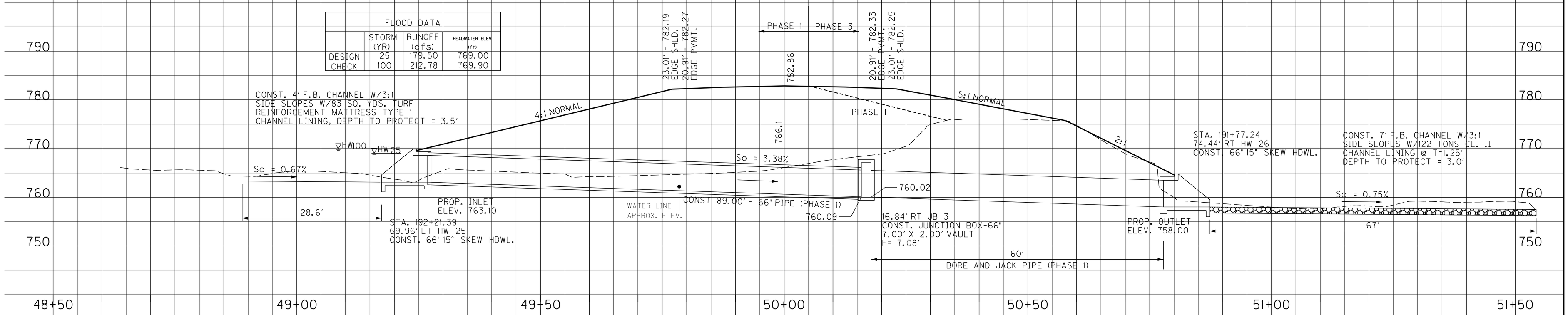
PIPE DRAINAGE SHEET 9 of 24

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R131

STORM SEWER PIPE	CULVERT PIPE	JUNCTION BOX -66IN	BORE AND JACK PIPE - 66 IN	PIPE CULVERT HEADWALL 66 IN
	66"			
LINEAR FEET		EACH	LF	EACH
	89	1	60	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	179.50	769.00
CHECK	100	212.78	769.90

CULVERT SECTION

SCALE - 1"=10' HOR. 1"=10' VERT.

SCALE: 1"=10'

CULVERT SITUATION SHEET
KY 146 RECONSTRUCTION
STA. 192+00 @ 17°00'00" SK. RT.

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\R13100PD.DGN

USER: jslugantz
DATE PLOTTED: December 5, 2022

E-SHEET NAME:

MicroStation v8.11.7.443

PIPE DRAINAGE SHEET 9 of 24

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R131

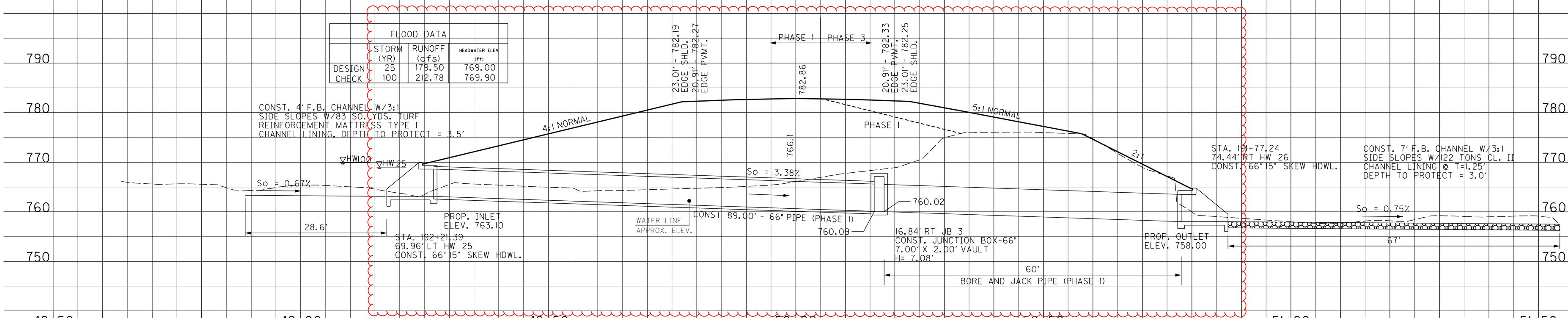
REVISED 12-06-22

STORM SEWER PIPE	CULVERT PIPE															JUNCTION BOX -66IN	BORE AND JACK PIPE - 66 IN	PIPE CULVERT HEADWALL 66 IN
						66"										EACH	LF	EACH
L I N E A R F E E T						89										1	60	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	179.50	769.00
CHECK	100	212.78	769.90



192+00
17°00'00" SKEW RT.

CULVERT SECTION

SCALE - 1"=10' HOR. 1"=10' VERT.

SCALE: 1"=10'

CULVERT SITUATION SHEET
KY 146 RECONSTRUCTION
STA. 192+00 @ 17°00'00" SK. RT.

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\R131OPPD.DGN

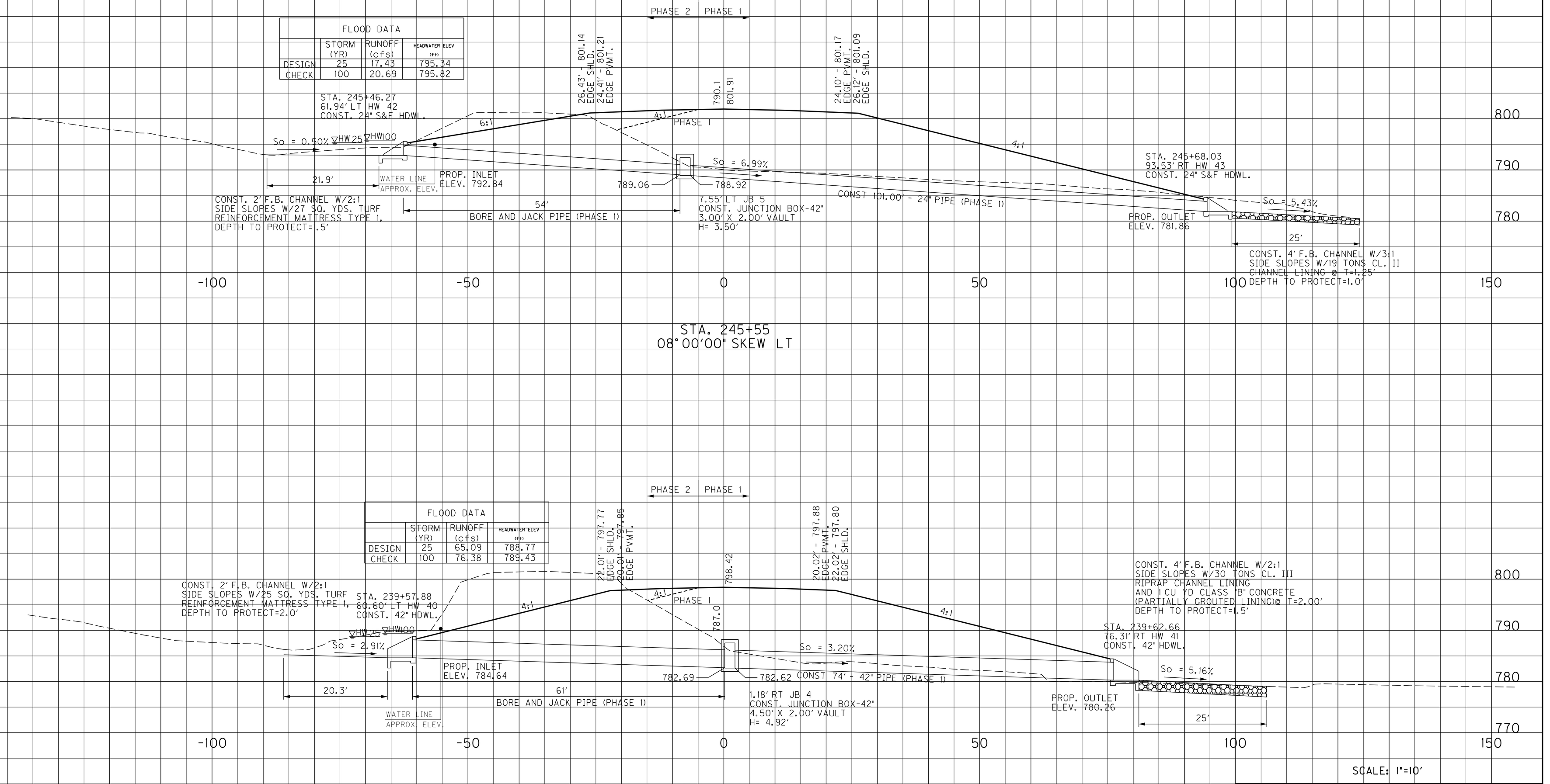
PIPE DRAINAGE SHEET 19 of 24

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R141

STORM SEWER PIPE	CULVERT PIPE																				
						24"	42"									JUNCTION BOX -24IN	JUNCTION BOX -42IN	BORE AND JACK PIPE - 24 IN	BORE AND JACK PIPE - 42 IN	PIPE CULVERT HEADWALL 42 IN	PIPE CULVERT HEADWALL 24 IN
L I N E A R F E E T																EACH	EACH	LF	LF	EACH	EACH
						101	74									1	1	54	61	2	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



STA. 245+55
08°00'00" SKEW LT

STA. 239+60
02°00'00" SKEW LT

SCALE: 1"=10'

PIPE DRAINAGE SHEET
KY 146 RECONSTRUCTION
STA. 239+60 & STA. 245+55

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\R141OPPD.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443

PIPE DRAINAGE SHEET 19 of 24

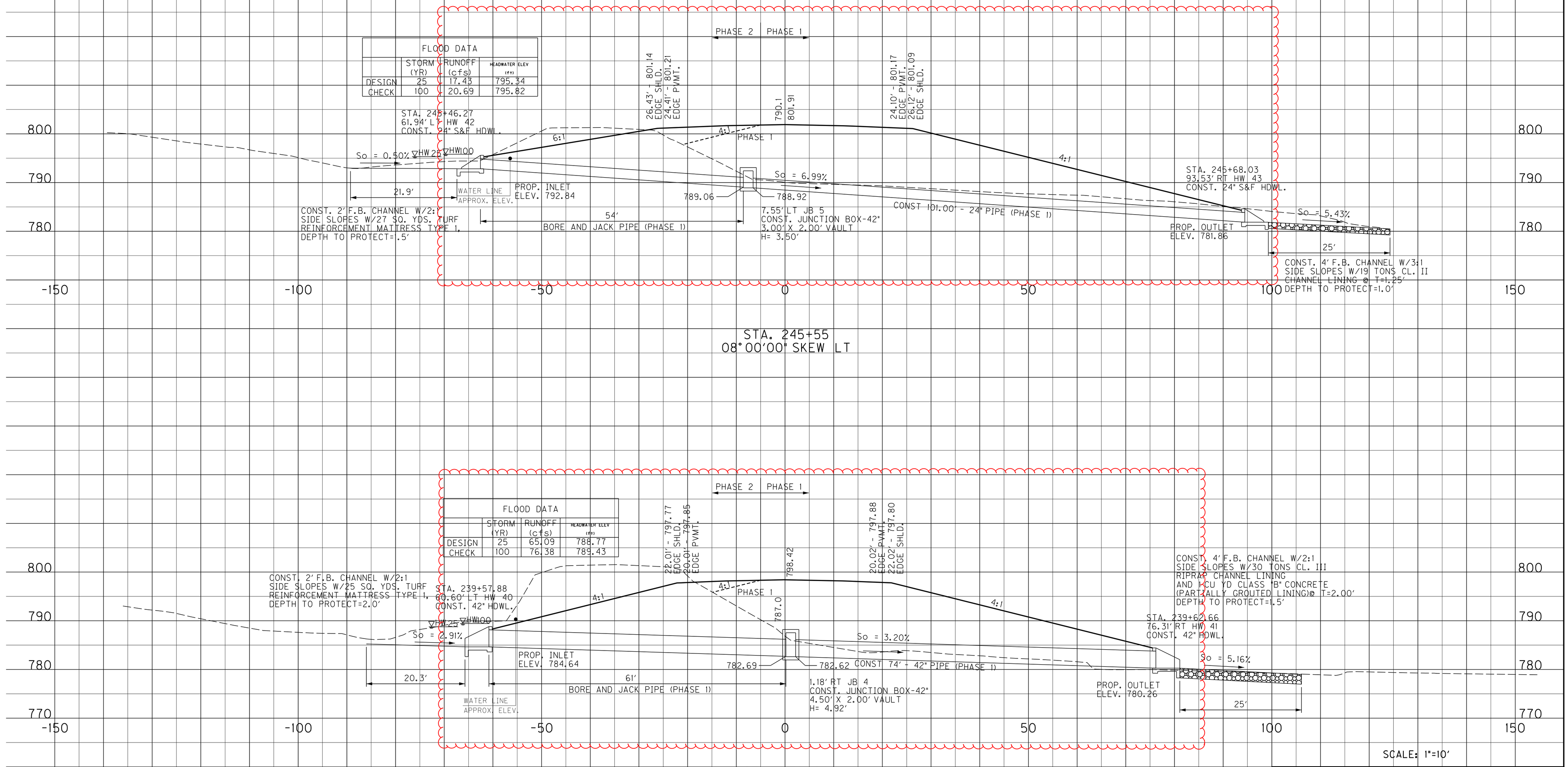
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R141

REVISED 12-06-22

STORM SEWER PIPE	CULVERT PIPE		JUNCTION BOX -24IN	JUNCTION BOX -42IN	BORE AND JACK PIPE - 24 IN	BORE AND JACK PIPE - 42 IN	PIPE CULVERT HEADWALL 42 IN	PIPE CULVERT HEADWALL 24 IN
	24"	42"						
L I N E A R F E E T			EACH	EACH	LF	LF	EACH	EACH
	101	74	1	1	54	61	2	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



SCALE: 1"=10'

PIPE DRAINAGE SHEET
KY 146 RECONSTRUCTION
STA. 239+60 & STA. 245+55

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\R141OPPD.DGN

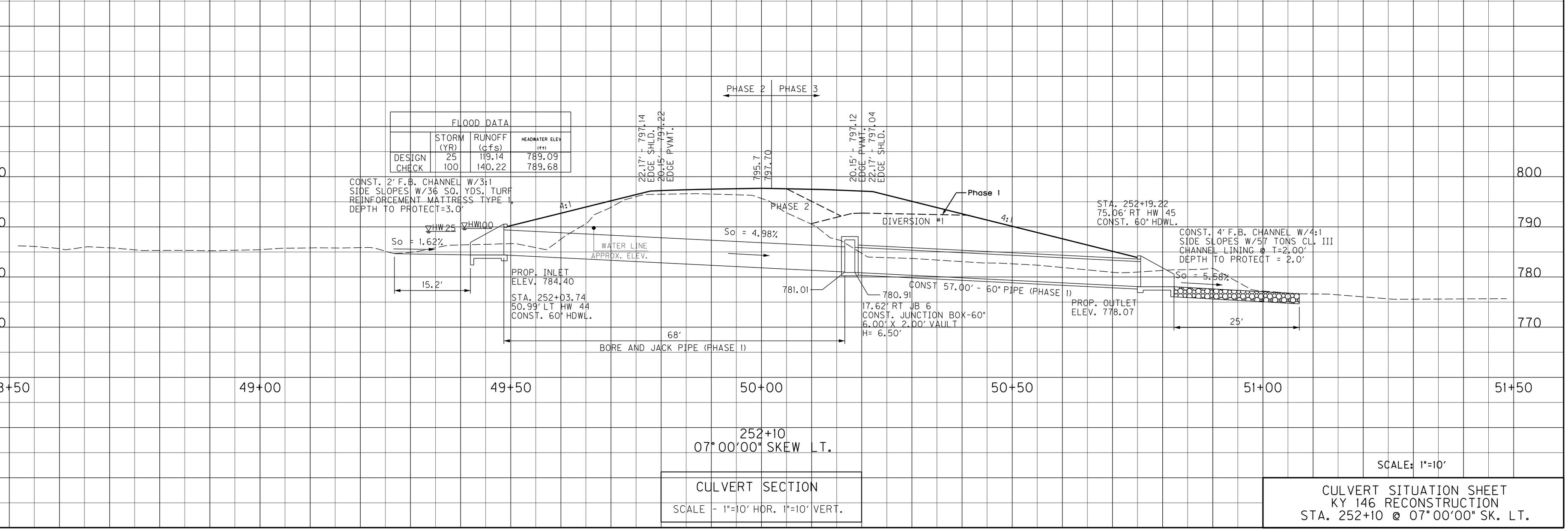
PIPE DRAINAGE SHEET 20 of 24

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	RI42

STORM SEWER PIPE	CULVERT PIPE													JUNCTION BOX -60IN	BORE AND JACK PIPE - 60 IN	PIPE CULVERT HEADWALL 60 IN
	60"													EACH	LF	EACH
LINEAR FEET																
	57													1	68	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



252+10
07°00'00" SKEW LT.

CULVERT SECTION

SCALE - 1"=10' HOR. 1"=10' VERT.

SCALE: 1"=10'

CULVERT SITUATION SHEET
KY 146 RECONSTRUCTION
STA. 252+10 @ 07°00'00" SK. LT.

MicroStation v8.11.7.443
E-SHEET NAME:
USER: jslugantz
DATE PLOTTED: December 5, 2022
FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\RI4200PD.DGN

PIPE DRAINAGE SHEET 20 of 24

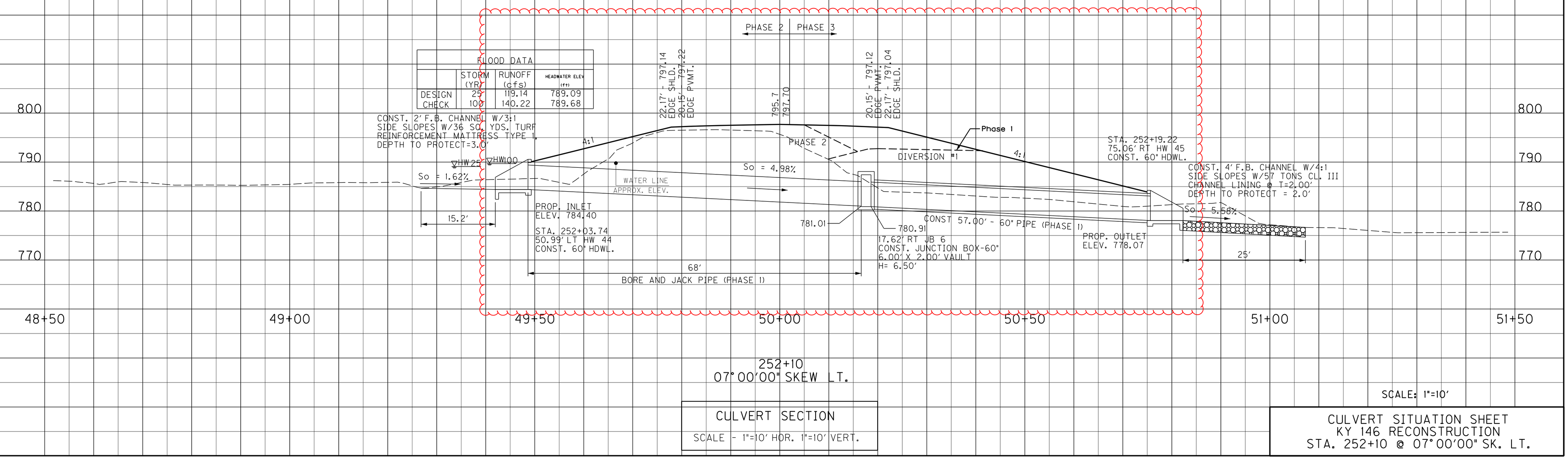
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	RI42

REVISED 12-06-22

STORM SEWER PIPE						CULVERT PIPE										JUNCTION BOX -60IN	BORE AND JACK PIPE - 60 IN	PIPE CULVERT HEADWALL 60 IN
						60"										EACH	LF	EACH
LINEAR FEET						57										1	68	2

GENERAL NOTES:

1. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
2. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.



252+10
07°00'00" SKEW LT.

CULVERT SECTION
SCALE - 1"=10' HOR. 1"=10' VERT.

SCALE: 1"=10'

CULVERT SITUATION SHEET
KY 146 RECONSTRUCTION
STA. 252+10 @ 07°00'00" SK. LT.

FILE NAME: G:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1A\SHEETS\PIPE DRAINAGE\RI4200PD.DGN
USER: jslugantz
DATE PLOTTED: December 5, 2022
E-SHEET NAME:
MicroStation v8.11.7.443