Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

August 20, 2019

CALL NO. 200
CONTRACT ID NO. 191044
ADDENDUM # 1

Subject: OWSLEY-JACKSON COUNTIES, 121GR19D044-STP
Letting August 23, 2019

(1)Added - Special Note for General Utility Coordination - Page 17(a) of 332
(2)Revised - Special Note for Ground Disturbance Restriction - Page 63 of 332
(3)Revised - Material Summary - Pages 252-259(a) of 332
(4)Revised - Proposal Bid Items - Pages 325-332 of 332
(5)Revised - Plan Sheets - R2M, R2O, R2P, R20, R21, R28, R29, R30, R32, R33, R34, R35, R62, R63, R83, R84, R380, R384, R388, R390, R404, and R428

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, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

Kentucky UNBRIDLED SPIRIT
An Equal Opportunity Employer M/F/D

SPECIAL NOTE
General Utility Coordination

The Contractor shall communicate, cooperate, and coordinate with the Department, the utility owners, and potentially affected third parties, as necessary for the utility relocation work. The Contractor shall be responsible for all coordination needed to ensure that the road construction and utility relocation work may concurrently and effectively take place.

This item shall include assignment of a Utility Coordinator for the project to coordinate plans, work and schedules directly with the utility companies and KYTC personnel. The Utility Coordinator shall be a licensed professional engineer with project management experience. This item includes responsibility to ensure the project progresses efficiently and in accordance with the proposed contract documents. The Department may consult the Utility Coordinator on matters of utility work design, construction, cost, and/or schedule. Any changes in the proposed scope, design, construction, cost, and/or schedule for the utility work shall be approved by the Department. This item includes conducting monthly coordination meetings with involved utility companies and as needed on project site visits to manage utility relocation activity, resolve conflicts with the road activity, and minimize impact to the project. The department shall be invited to Utility Coordination meetings.

The Department will consider payment as full compensation for all work required under this note.

Code	Item Description	Unit
24845EC	Utility Coordination	Lump Sum

SPECIAL NOTE

Ground Disturbance Restriction
For Required Archaeological Survey

Owsley and Jackson Counties
Item No. 10-279.61/11-278.30

DUE TO THE REQUIREMENT FOR AN ARCHEOLOGICAL SURVEY TO DETERMINE THE POSSIBLE PRESENCE OF ARCHAEOLOGICAL RESOURCES, NO GROUND DISTURBANCE MUST OCCUR AT THESE LOCATIONS UNTIL CLEARANCE IS GRANTED BY KYTC.

LOCATION:
Parcels: 49, 52, 53, 54, 61, 80, 81, 84, 85, 86, 87, 88, 90, 92, 94, 95, 96, 97, 99, 100, 102, 104, 105, 106, 107, 108, 110, 111, 113, 115, 118, 119, 120, 122, 123, 126, 127, 128, 131, 132, 135, 136.

SEE ATTACHED MAPPING FOR IDENTIFIED PARCEL LOCATIONS.

STIPULATIONS:

1 – The contractor shall ensure that no construction activities will occur on these parcels until clearance to proceed is granted by KYTC. Any questions regarding the status of archeological survey work can be directed to the following:

Susan Neumeyer, Archaeologist, Division of Environmental Analysis, KYTC. (502) 564-7250
Brandon Baker, Environmental Coordinator, District 10 Office, KYTC. (606) 666-8841
Josh Higgins, Environmental Coordinator, District 11 Office, KYTC. (606) 598-2154

2 – Once archaeological clearance has been obtained for Parcels 49, 52, 53, 54, 61, 80, 81, 84, 85, 86, 87, 88, 90, 92, 94, 95, 96, 97, 99, 100, 102, 104, 105, 106, 107, 108, 110, 111, 113, 115, 118, 119, 120, 122, 123, 126, 127, 128, 131, 132, 135, 136 and the site is clear for construction, the contractor will be notified by KYTC Division of Environmental Analysis Personnel.

3 – Any ground disturbance prior to receiving clearance from KYTC environmental personnel falls under the responsibility of the contractor. If Parcels 49, 52, 53, 54, 61, 80, 81, 84, 85, 86, 87, 88, 90, 92, 94, 95, 96, 97, 99, 100, 102, 104, 105, 106, 107, 108, 110, 111, 113, 115, 118, 119,120, 122, 123, 126, 127, 128, 131, 132, 135, 136 are damaged by ground disturbance prior to clearance being obtained, the contractor will be responsible for all reasonable costs to mitigate the damage.

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

MATERIAL SUMMARY

CONTRACT ID: 191044 **121GR19D044-STP** **DE05500301944**

LONDON-BOONEVILLE ROAD(KY-30) IMPROVE KY-30 FROM US-421 TO THE OWSLEY COUNTY LINE GRADE, DRAIN & SURFACE WITH BRIDGE, A DISTANCE OF 9 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0790	00003	CRUSHED STONE BASE	73,901.00	TON
0795	00008	CEMENT STABILIZED ROADBED	186,442.00	SQYD
0800	00020	TRAFFIC BOUND BASE	793.00	TON
0805	00100	ASPHALT SEAL AGGREGATE	848.00	TON
0810	00103	ASPHALT SEAL COAT	99.00	TON
0815	00212	CL2 ASPH BASE 1.00D PG64-22	18,130.00	TON
0820	00221	CL2 ASPH BASE 0.75D PG64-22	27,990.00	TON
0825	00301	CL2 ASPH SURF 0.38D PG64-22	13,522.00	TON
0830	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	125.00	TON
0835	00358	ASPHALT CURING SEAL	187.00	TON
0840	02542	CEMENT	3,557.00	TON
0845	02702	SAND FOR BLOTTER	466.00	TON
0850	20071EC	JOINT ADHESIVE	110,505.00	LF
0855	24781EC	INTELLIGENT COMPACTION FOR ASPHALT	59,642.00	TON
0860	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	3,332,734.00	SF
0865	24986EC	HMA ELECTRONIC DELIVERY MGMT SYSTEM - JACKSON	1.00	L S
0870	00190	LEVELING & WEDGING PG64-22	50.00	TON
0875	00021	DRAINAGE BLANKET-EMBANKMENT	2,200.00	CUYD
0880	00078	CRUSHED AGGREGATE SIZE NO 2	72,528.00	TON
0885	01000	PERFORATED PIPE-4 IN	4,522.00	LF
0890	01010	NON-PERFORATED PIPE-4 IN	572.00	LF
0895	01020	PERF PIPE HEADWALL TY 1-4 IN	22.00	EACH
0900	01024	PERF PIPE HEADWALL TY 2-4 IN	10.00	EACH
0905	01028	PERF PIPE HEADWALL TY 3-4 IN	13.00	EACH
0910	01032	PERF PIPE HEADWALL TY 4-4 IN	7.00	EACH
0915	01310	REMOVE PIPE	102.00	LF
0920	01891	ISLAND HEADER CURB TYPE 2	250.00	LF
0925	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	288.00	EACH
0930	01990	DELINEATOR FOR BARRIER WALL-B/W	21.00	EACH
0935	02014	BARRICADE-TYPE III	16.00	EACH
0940	02091	REMOVE PAVEMENT	3,576.00	SQYD
0945	02159	TEMP DITCH	17,127.00	LF
0950	02160	CLEAN TEMP DITCH	8,564.00	LF
0955	02200	ROADWAY EXCAVATION	3,994,530.00	CUYD
0960	02242	WATER	7.00	MGAL
0965	02351	GUARDRAIL-STEEL W BEAM-S FACE	28,550.00	LF
0970	02360	GUARDRAIL TERMINAL SECTION NO 1	24.00	EACH
0975	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	10.00	EACH
0980	02371	GUARDRAIL END TREATMENT TYPE 7	4.00	EACH
0985	02381	REMOVE GUARDRAIL	475.00	LF
0990	02391	GUARDRAIL END TREATMENT TYPE 4A	44.00	EACH
0995	02402	REMOVE STONE MASONRY	25.00	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1000	02403	REMOVE CONCRETE MASONRY	80.00	CUYD
1005	02429	RIGHT-OF-WAY MONUMENT TYPE 1	269.00	EACH
1010	02431	WITNESS R/W MONUMENT TYPE 2	2.00	EACH
1015	02432	WITNESS POST	268.00	EACH
1020	02475	PLUG WATER WELL	1.00	EACH
1025	02488	CHANNEL LINING CLASS IV - (REVISED: 8-20-19)	39,741.00	CUYD
1030	02545	CLEARING AND GRUBBING - 380 ACRES-JACKSON	1.00	LS
1035	02555	CONCRETE-CLASS B	566.00	CUYD
1040	02562	TEMPORARY SIGNS	2,100.00	SQFT
1045	02585	EDGE KEY	384.00	LF
1050	02596	FABRIC-GEOTEXTILE TYPE I - (FOR CONST. ENTR.)	360.00	SQYD
1055	02599	FABRIC-GEOTEXTILE TYPE IV - (GEOTECH NOTE 14, 16 & 21)	16,600.00	SQYD
1060	02600	FABRIC GEOTEXTILE TY IV FOR PIPE - (REVISED: 8-20-19)	16,265.00	SQYD
1065	02650	MAINTAIN & CONTROL TRAFFIC - JACKSON	1.00	LS
1070	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
1075	02676	MOBILIZATION FOR MILL & TEXT - JACKSON	1.00	LS
1080	02677	ASPHALT PAVE MILLING & TEXTURING	1,136.00	TON
1085	02696	SHOULDER RUMBLE STRIPS	68,500.00	LF
1090	02701	TEMP SILT FENCE	17,127.00	LF
1095	02703	SILT TRAP TYPE A	348.00	EACH
1100	02704	SILT TRAP TYPE B	348.00	EACH
1105	02705	SILT TRAP TYPE C	348.00	EACH
1110	02706	CLEAN SILT TRAP TYPE A	348.00	EACH
1115	02707	CLEAN SILT TRAP TYPE B	348.00	EACH
1120	02708	CLEAN SILT TRAP TYPE C	348.00	EACH
1125	02726	STAKING - JACKSON	1.00	LS
1130	02731	REMOVE STRUCTURE - (EXISTING 6' X 5' RCBC STA. 48+65)-JACKSON	1.00	LS
1135	05950	EROSION CONTROL BLANKET	665,688.00	SQYD
1140	05952	TEMP MULCH	1,121,024.00	SQYD
1145	05953	TEMP SEEDING AND PROTECTION	840,768.00	SQYD
1150	05963	INITIAL FERTILIZER	174.00	TON
1155	05964	MAINTENANCE FERTILIZER	87.00	TON
1160	05985	SEEDING AND PROTECTION	1,026,364.00	SQYD
1165	05992	AGRICULTURAL LIMESTONE	1,042.00	TON
1170	06406	SBM ALUM SHEET SIGNS .080 IN	793.00	SQFT
1175	06407	SBM ALUM SHEET SIGNS .125 IN	200.00	SQFT
1180	06410	STEEL POST TYPE 1	2,090.00	LF
1185	06490	CLASS A CONCRETE FOR SIGNS	5.52	CUYD
1190	06510	PAVE STRIPING-TEMP PAINT-4 IN	37,812.00	LF
1195	06511	PAVE STRIPING-TEMP PAINT-6 IN	148,041.00	LF
1200	06514	PAVE STRIPING-PERM PAINT-4 IN	18,906.00	LF
1205	06550	PAVE STRIPING-TEMP REM TAPE-W	2,340.00	LF
1210	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,340.00	LF
1215	06556	PAVE STRIPING-DUR TY 1-6 IN W	2,340.00	LF
1220	06557	PAVE STRIPING-DUR TY 1-6 IN Y	2,340.00	LF
1225	06568	PAVE MARKING-THERMO STOP BAR-24IN	219.00	LF
1230	06569	PAVE MARKING-THERMO CROSS-HATCH	2,838.00	SQFT
1235	06574	PAVE MARKING-THERMO CURV ARROW	96.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1240	10020NS	FUEL ADJUSTMENT	854,423.00	DOLL
1245	10030NS	ASPHALT ADJUSTMENT	233,176.00	DOLL
1250	20430ED	SAW CUT	651.00	LF
1255	21289ED	LONGITUDINAL EDGE KEY	525.00	LF
1260	22045NN	FLUME INLET TY 2-MOD	6.00	EACH
1265	22664EN	WATER BLASTING EXISTING STRIPE	5,000.00	LF
1270	23821EC	CENTERLINE RUMBLE STRIPS-12 IN	34,600.00	LF
1275	24489EC	INLAID PAVEMENT MARKER	236.00	EACH
1280	24489EC	INLAID PAVEMENT MARKER	654.00	EACH
1285	24631EC	BARCODE SIGN INVENTORY	224.00	EACH
1290	24814EC	PIPELINE INSPECTION	7,234.00	LF
1295	24845EC	UTILITY COORDINATION - JACKSON	1.00	LS
1300	24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	80,646.00	LF
1305	24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	67,395.00	LF
1310	00462	CULVERT PIPE-18 IN	927.00	LF
1315	00464	CULVERT PIPE-24 IN	1,870.00	LF
1320	00466	CULVERT PIPE-30 IN - (REVISED: 8-20-19)	1,869.00	LF
1325	00468	CULVERT PIPE-36 IN - (REVISED: 8-20-19)	79.00	LF
1330	00469	CULVERT PIPE-42 IN - (REVISED: 8-20-19)	464.00	LF
1335	00470	CULVERT PIPE-48 IN - (REVISED: 8-20-19)	380.00	LF
1340	00471	CULVERT PIPE-54 IN - (REVISED: 8-20-19)	1,804.00	LF
1345	00439	ENTRANCE PIPE-12 IN	38.00	LF
1350	00440	ENTRANCE PIPE-15 IN	259.00	LF
1355	00441	ENTRANCE PIPE-18 IN	376.00	LF
1360	00443	ENTRANCE PIPE-24 IN	61.00	LF
1365	00445	ENTRANCE PIPE-30 IN	190.00	LF
1370	24561EN	ENTRANCE PIPE-42 IN	52.00	FT
1375	01511	DROP BOX INLET TYPE 5D	1.00	EACH
1380	01450	S & F BOX INLET-OUTLET-18 IN	5.00	EACH
1385	01451	S & F BOX INLET-OUTLET-24 IN	7.00	EACH
1390	01453	S & F BOX INLET-OUTLET-36 IN	1.00	EACH
1395	01204	PIPE CULVERT HEADWALL-18 IN	7.00	EACH
1400	01208	PIPE CULVERT HEADWALL-24 IN	15.00	EACH
1405	01210	PIPE CULVERT HEADWALL-30 IN	14.00	EACH
1410	01212	PIPE CULVERT HEADWALL-36 IN	1.00	EACH
1415	01214	PIPE CULVERT HEADWALL-42 IN - (REVISED: 8-20-19)	10.00	EACH
1420	01216	PIPE CULVERT HEADWALL-48 IN - (REVISED: 8-20-19)	4.00	EACH
1425	24026EC	PIPE CULVERT HEADWALL-54 IN - (REVISED: 8-20-19)	6.00	EACH
1430	08100	CONCRETE-CLASS A	74.20	CUYD
1435	08104	CONCRETE-CLASS AA	392.00	CUYD
1440	08150	STEEL REINFORCEMENT	9,850.00	LB
1445	08151	STEEL REINFORCEMENT-EPOXY COATED	86,323.00	LB
1450	22417EN	DRILLED SHAFT-54 IN-COMMON	27.00	LF
1455	03299	ARMORED EDGE FOR CONCRETE	76.00	LF
1460	08019	CYCLOPEAN STONE RIP RAP	180.00	TON
1465	08020	CRUSHED AGGREGATE SLOPE PROT	98.00	TON
1470	02998	MASONRY COATING	1,352.00	SQYD
1475	08046	PILES-STEEL HP12X53	303.00	LF
1480	08094	PILE POINTS-12 IN	14.00	EACH
1485	20637ED	DRILLED SHAFT-ROCK 48 IN	28.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1490	24098EC	PPC I-BEAM TYPE HN 66-49	924.70	LF
1495	21532ED	RAIL SYSTEM TYPE III	466.00	LF
1500	02231	STRUCTURE GRANULAR BACKFILL	276.00	CUYD
1505	21084ED	SOUNDINGS	27.00	LF
1510	20746ED	ROCK CORINGS	48.00	LF
1515	21432NC	CONCRETE FORMLINER	1,293.00	SQFT
1520	23168ED	CONCRETE STAINING	144.00	SQYD
1525	22861EN	HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,706.00	SQYD
1530	24595EN	ELASTICIZED EPS - (10" THICKNESS)	136.00	SQYD
1535	08033	TEST PILES	61.00	LF
1540	08100	CONCRETE-CLASS A	286.20	CUYD
1545	08150	STEEL REINFORCEMENT	21,047.00	LB
1550	08003	FOUNDATION PREPARATION	1.00	LS
1555	08002	STRUCTURE EXCAV-SOLID ROCK	72.80	CUYD
1560	02223	GRANULAR EMBANKMENT	61.60	CUYD
1565	08100	CONCRETE-CLASS A	541.60	CUYD
1570	08150	STEEL REINFORCEMENT	56,774.00	LB
1575	08003	FOUNDATION PREPARATION	1.00	LS
1580	08002	STRUCTURE EXCAV-SOLID ROCK	188.00	CUYD
1585	02555	CONCRETE-CLASS B	10.00	CUYD
1590	08100	CONCRETE-CLASS A	118.90	CUYD
1595	08150	STEEL REINFORCEMENT	9,723.00	LB
1600	08003	FOUNDATION PREPARATION	1.00	LS
1605	08002	STRUCTURE EXCAV-SOLID ROCK	79.80	CUYD
1610	02223	GRANULAR EMBANKMENT	5.00	CUYD
1615	08100	CONCRETE-CLASS A	325.00	CUYD
1620	08150	STEEL REINFORCEMENT	27,230.00	LB
1625	08003	FOUNDATION PREPARATION	1.00	LS
1630	08002	STRUCTURE EXCAV-SOLID ROCK	154.10	CUYD
1635	02555	CONCRETE-CLASS B	45.40	CUYD
1640	08100	CONCRETE-CLASS A	141.70	CUYD
1645	08150	STEEL REINFORCEMENT	11,579.00	LB
1650	08003	FOUNDATION PREPARATION	1.00	LS
1655	08002	STRUCTURE EXCAV-SOLID ROCK	5.00	CUYD
1660	02223	GRANULAR EMBANKMENT	64.00	CUYD
1665	08100	CONCRETE-CLASS A	315.50	CUYD
1670	08104	CONCRETE-CLASS AA	677.20	CUYD
1675	08150	STEEL REINFORCEMENT	55,899.00	LB
1680	08151	STEEL REINFORCEMENT-EPOXY COATED	187,081.00	LB
1685	20744ED	DRILLED SHAFT 60 IN-COMMON	34.00	LF
1690	03299	ARMORED EDGE FOR CONCRETE	76.00	LF
1695	08019	CYCLOPEAN STONE RIP RAP	628.00	TON
1700	08020	CRUSHED AGGREGATE SLOPE PROT	196.00	TON
1705	02998	MASONRY COATING	2,973.00	SQYD
1710	08046	PILES-STEEL HP12X53	477.00	LF
1715	08094	PILE POINTS-12 IN	14.00	EACH
1720	20743ED	DRILLED SHAFT 54 IN-SOLID ROCK	24.00	LF
1725	24098EC	PPC I-BEAM TYPE HN 66-49	1,958.00	LF
1730	21532ED	RAIL SYSTEM TYPE III	986.00	LF
1735	02231	STRUCTURE GRANULAR BACKFILL	276.00	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1740	08001	STRUCTURE EXCAVATION-COMMON	139.00	CUYD
1745	08002	STRUCTURE EXCAV-SOLID ROCK	152.00	CUYD
1750	21084ED	SOUNDINGS	34.00	LF
1755	20746ED	ROCK CORINGS	44.00	LF
1760	22861EN	HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,706.00	SQYD
1765	24595EN	ELASTICIZED EPS - (10" THICKNESS)	136.00	SQYD
1770	08033	TEST PILES	83.00	LF
1775	08100	CONCRETE-CLASS A	309.00	CUYD
1780	08104	CONCRETE-CLASS AA	490.00	CUYD
1785	08150	STEEL REINFORCEMENT	67,171.00	LB
1790	08151	STEEL REINFORCEMENT-EPOXY COATED	156,879.00	LB
1795	02998	MASONRY COATING	2,247.00	SQYD
1800	03299	ARMORED EDGE FOR CONCRETE	38.00	LF
1805	08019	CYCLOPEAN STONE RIP RAP	609.00	TON
1810	08020	CRUSHED AGGREGATE SLOPE PROT	318.00	TON
1815	08033	TEST PILES	78.00	LF
1820	08051	PILES-STEEL HP14X89	703.00	LF
1825	08095	PILE POINTS-14 IN	10.00	EACH
1830	24582EN	PRECAST PC I BEAM-HN 72-49	1,314.00	LF
1835	21532ED	RAIL SYSTEM TYPE III	663.00	LF
1840	20745ED	ROCK SOUNDINGS	77.00	LF
1845	20746ED	ROCK CORINGS	156.00	LF
1850	22885EN	DRILLED SHAFT-72 IN-ROCK	88.00	LF
1855	24001EC	DRILLED SHAFT-78 IN COMMON	66.00	LF
1860	22861EN	HIGH STRENGTH GEOTEXTILE FABRIC TY V	829.00	SQYD
1865	24595EN	ELASTICIZED EPS - (10" THICKNESS)	46.00	SQYD
1870	02231	STRUCTURE GRANULAR BACKFILL	232.00	CUYD
1875	02568	MOBILIZATION	1.00	LS
1880	02569	DEMOBILIZATION	1.00	LS
1885	02742	TRAINEE PAYMENT REIMBURSEMENT - (1 GROUP 2, 3 OR 4 OPERATOR)	1,400.00	HOUR

CONTRACT ID: 191044 **121GR19D044-STP** **DE09500301944**

LONDON-BOONEVILLE ROAD(KY-30) IMPROVE KY-30 FROM KY-847 IN OWSLEY COUNTY TO JACKSON COUNTY LINE. GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF 4 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00003	CRUSHED STONE BASE	46,289.00	TON
0010	00008	CEMENT STABILIZED ROADBED	101,289.00	SQYD
0015	00020	TRAFFIC BOUND BASE	750.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	342.00	TON
0025	00103	ASPHALT SEAL COAT	42.00	TON
0030	00212	CL2 ASPH BASE 1.00D PG64-22	8,510.00	TON
0035	00221	CL2 ASPH BASE 0.75D PG64-22	15,711.00	TON
0040	00301	CL2 ASPH SURF 0.38D PG64-22	7,032.00	TON
0045	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	77.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0050	00358	ASPHALT CURING SEAL	101.00	TON
0055	02542	CEMENT	1,932.00	TON
0060	02702	SAND FOR BLOTTER	254.00	TON
0065	20071EC	JOINT ADHESIVE	59,885.00	LF
0070	24781EC	INTELLIGENT COMPACTION FOR ASPHALT	31,253.00	TON
0075	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	1,734,882.00	SF
0080	24986EC	HMA ELECTRONIC DELIVERY MGMT SYSTEM - OWSLEY	1.00	L S
0085	00190	LEVELING & WEDGING PG64-22	200.00	TON
0090	00021	DRAINAGE BLANKET-EMBANKMENT	2,200.00	CUYD
0095	00078	CRUSHED AGGREGATE SIZE NO 2	22,451.00	TON
0100	01000	PERFORATED PIPE-4 IN	2,623.00	LF
0105	01010	NON-PERFORATED PIPE-4 IN	781.00	LF
0110	01020	PERF PIPE HEADWALL TY 1-4 IN	19.00	EACH
0115	01024	PERF PIPE HEADWALL TY 2-4 IN	8.00	EACH
0120	01028	PERF PIPE HEADWALL TY 3-4 IN	17.00	EACH
0125	01032	PERF PIPE HEADWALL TY 4-4 IN	3.00	EACH
0130	01310	REMOVE PIPE	72.00	LF
0135	01891	ISLAND HEADER CURB TYPE 2	50.00	LF
0140	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	262.00	EACH
0145	01990	DELINEATOR FOR BARRIER WALL-B/W	5.00	EACH
0150	02014	BARRICADE-TYPE III	16.00	EACH
0155	02091	REMOVE PAVEMENT	1,727.00	SQYD
0160	02159	TEMP DITCH	9,018.00	LF
0165	02160	CLEAN TEMP DITCH	4,509.00	LF
0170	02200	ROADWAY EXCAVATION	1,854,894.00	CUYD
0175	02242	WATER	7.00	MGAL
0180	02351	GUARDRAIL-STEEL W BEAM-S FACE	20,575.00	LF
0185	02360	GUARDRAIL TERMINAL SECTION NO 1	26.00	EACH
0190	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH
0195	02371	GUARDRAIL END TREATMENT TYPE 7	1.00	EACH
0200	02383	REMOVE & RESET GUARDRAIL	475.00	LF
0205	02391	GUARDRAIL END TREATMENT TYPE 4A	36.00	EACH
0210	02402	REMOVE STONE MASONRY	10.00	CUYD
0215	02429	RIGHT-OF-WAY MONUMENT TYPE 1	254.00	EACH
0220	02432	WITNESS POST	254.00	EACH
0225	02475	PLUG WATER WELL	2.00	EACH
0230	02488	CHANNEL LINING CLASS IV - (REVISED: 8-20-19)	22,640.00	CUYD
0235	02545	CLEARING AND GRUBBING - 174 ACRES-OWSLEY	1.00	LS
0240	02555	CONCRETE-CLASS B	358.00	CUYD
0245	02562	TEMPORARY SIGNS	2,100.00	SQFT
0250	02585	EDGE KEY	303.00	LF
0255	02596	FABRIC-GEOTEXTILE TYPE I - (FOR CONST. ENTR.)	360.00	SQYD
0260	02599	FABRIC-GEOTEXTILE TYPE IV - (GEOTECH NOTE 14, 16 & 21)	16,600.00	SQYD
0265	02600	FABRIC GEOTEXTILE TY IV FOR PIPE - (REVISED: 8-20-19)	13,079.00	SQYD
0270	02650	MAINTAIN & CONTROL TRAFFIC - OWSLEY	1.00	LS
0275	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0280	02676	MOBILIZATION FOR MILL & TEXT - OWSLEY	1.00	LS
0285	02677	ASPHALT PAVE MILLING & TEXTURING	114.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0290	02696	SHOULDER RUMBLE STRIPS	36,079.00	LF
0295	02701	TEMP SILT FENCE	9,018.00	LF
0300	02703	SILT TRAP TYPE A	164.00	EACH
0305	02704	SILT TRAP TYPE B	164.00	EACH
0310	02705	SILT TRAP TYPE C	164.00	EACH
0315	02706	CLEAN SILT TRAP TYPE A	164.00	EACH
0320	02707	CLEAN SILT TRAP TYPE B	164.00	EACH
0325	02708	CLEAN SILT TRAP TYPE C	164.00	EACH
0330	02726	STAKING - OWSLEY	1.00	LS
0335	03262	CLEAN PIPE STRUCTURE	1.00	EACH
0340	05950	EROSION CONTROL BLANKET	279,709.00	SQYD
0345	05952	TEMP MULCH	526,555.00	SQYD
0350	05953	TEMP SEEDING AND PROTECTION	394,917.00	SQYD
0355	05963	INITIAL FERTILIZER	49.00	TON
0360	05964	MAINTENANCE FERTILIZER	43.00	TON
0365	05985	SEEDING AND PROTECTION	571,813.00	SQYD
0370	05992	AGRICULTURAL LIMESTONE	526.00	TON
0375	06406	SBM ALUM SHEET SIGNS .080 IN	336.00	SQFT
0380	06407	SBM ALUM SHEET SIGNS .125 IN	32.00	SQFT
0385	06410	STEEL POST TYPE 1	783.00	LF
0390	06490	CLASS A CONCRETE FOR SIGNS	.46	CUYD
0395	06510	PAVE STRIPING-TEMP PAINT-4 IN	41,842.00	LF
0400	06511	PAVE STRIPING-TEMP PAINT-6 IN	71,520.00	LF
0405	06514	PAVE STRIPING-PERM PAINT-4 IN	20,921.00	LF
0410	06568	PAVE MARKING-THERMO STOP BAR-24IN	148.00	LF
0415	06569	PAVE MARKING-THERMO CROSS-HATCH	885.00	SQFT
0420	06574	PAVE MARKING-THERMO CURV ARROW	22.00	EACH
0425	16034	G SERVICE LONG SIDE 3/4 INCH	1.00	EACH
0430	10020NS	FUEL ADJUSTMENT	403,989.00	DOLL
0435	10030NS	ASPHALT ADJUSTMENT	122,187.00	DOLL
0440	22664EN	WATER BLASTING EXISTING STRIPE	5,000.00	LF
0445	23821EC	CENTERLINE RUMBLE STRIPS-12 IN	18,145.00	LF
0450	24489EC	INLAID PAVEMENT MARKER	50.00	EACH
0455	24489EC	INLAID PAVEMENT MARKER	308.00	EACH
0460	24631EC	BARCODE SIGN INVENTORY	80.00	EACH
0465	24814EC	PIPELINE INSPECTION	3,765.00	LF
0470	24845EC	UTILITY COORDINATION	1.00	LS
0475	24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	38,057.00	LF
0480	24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	33,463.00	LF
0485	00462	CULVERT PIPE-18 IN	377.00	LF
0490	00464	CULVERT PIPE-24 IN	935.00	LF
0495	00466	CULVERT PIPE-30 IN - (REVISED: 8-20-19)	523.00	LF
0500	00468	CULVERT PIPE-36 IN - (REVISED: 8-20-19)	1,014.00	LF
0505	00469	CULVERT PIPE-42 IN - (REVISED: 8-20-19)	766.00	LF
0510	00470	CULVERT PIPE-48 IN - (REVISED: 8-20-19)	174.00	LF
0515	00440	ENTRANCE PIPE-15 IN	151.00	LF
0520	00441	ENTRANCE PIPE-18 IN	155.00	LF
0525	01511	DROP BOX INLET TYPE 5D	1.00	EACH
0530	01450	S & F BOX INLET-OUTLET-18 IN	2.00	EACH
0535	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0540	01452	S & F BOX INLET-OUTLET-30 IN	1.00	EACH
0545	01202	PIPE CULVERT HEADWALL-15 IN	8.00	EACH
0550	01204	PIPE CULVERT HEADWALL-18 IN	9.00	EACH
0555	01208	PIPE CULVERT HEADWALL-24 IN	11.00	EACH
0560	01210	PIPE CULVERT HEADWALL-30 IN	7.00	EACH
0565	01212	PIPE CULVERT HEADWALL-36 IN	8.00	EACH
0570	01214	PIPE CULVERT HEADWALL-42 IN	4.00	EACH
0575	01216	PIPE CULVERT HEADWALL-48 IN	2.00	EACH
0580	08100	CONCRETE-CLASS A	32.00	CUYD
0585	08104	CONCRETE-CLASS AA	180.00	CUYD
0590	08150	STEEL REINFORCEMENT	7,594.00	LB
0595	08151	STEEL REINFORCEMENT-EPOXY COATED	53,892.00	LB
0600	02998	MASONRY COATING	586.00	SQYD
0605	03299	ARMORED EDGE FOR CONCRETE	38.00	LF
0610	08020	CRUSHED AGGREGATE SLOPE PROT	221.00	TON
0615	08033	TEST PILES	27.00	LF
0620	08051	PILES-STEEL HP14X89	245.00	LF
0625	08095	PILE POINTS-14 IN	10.00	EACH
0630	24582EN	PRECAST PC I BEAM-HN 72-49	446.00	LF
0635	21532ED	RAIL SYSTEM TYPE III	225.00	LF
0640	22861EN	HIGH STRENGTH GEOTEXTILE FABRIC TY V	955.00	SQYD
0645	24595EN	ELASTICIZED EPS - (10" THICKNESS)	51.00	SQYD
0650	02231	STRUCTURE GRANULAR BACKFILL	261.00	CUYD
0655	08100	CONCRETE-CLASS A	673.80	CUYD
0660	08150	STEEL REINFORCEMENT	71,765.00	LB
0665	08003	FOUNDATION PREPARATION	1.00	LS
0670	08002	STRUCTURE EXCAV-SOLID ROCK	150.80	CUYD
0675	08100	CONCRETE-CLASS A	1,263.40	CUYD
0680	08150	STEEL REINFORCEMENT	103,258.00	LB
0685	08003	FOUNDATION PREPARATION	1.00	LS
0690	08002	STRUCTURE EXCAV-SOLID ROCK	888.00	CUYD
0695	08100	CONCRETE-CLASS A	428.00	CUYD
0700	08150	STEEL REINFORCEMENT	50,009.00	LB
0705	08003	FOUNDATION PREPARATION	1.00	LS
0710	14059	W PIPE PVC 06 INCH	955.00	LF
0715	14058	W PIPE PVC 04 INCH	2,420.00	LF
0720	14056	W PIPE PVC 02 INCH	2,150.00	LF
0725	14004	W DIRECTIONAL BORE	180.00	LF
0730	14014	W ENCASEMENT STEEL OPEN CUT RANGE 3	585.00	LF
0735	14022	W FLUSH HYDRANT ASSEMBLY - TYPE 1	1.00	EACH
0740	14022	W FLUSH HYDRANT ASSEMBLY - TYPE 3	3.00	EACH
0745	14105	W VALVE 06 INCH	3.00	EACH
0750	14104	W VALVE 04 INCH	5.00	EACH
0755	14102	W VALVE 02 INCH	1.00	EACH
0760	14094	W TIE-IN 06 INCH	4.00	EACH
0765	14093	W TIE-IN 04 INCH	5.00	EACH
0770	14091	W TIE-IN 02 INCH	1.00	EACH
0775	02568	MOBILIZATION	1.00	LS
0780	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0785	02742	TRAINEE PAYMENT REIMBURSEMENT - (1 GROUP 2,3 OR 4 OPERATOR)	1,400.00	HOUR

PROPOSAL BID ITEMS

Report Date 8/20/19

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	120,190.00	TON		$	
0020	00008		CEMENT STABILIZED ROADBED	287,731.00	SQYD		$	
0030	00020		TRAFFIC BOUND BASE	1,543.00	TON		$	
0040	00100		ASPHALT SEAL AGGREGATE	1,190.00	TON		$	
0050	00103		ASPHALT SEAL COAT	141.00	TON		$	
0060	00190		LEVELING & WEDGING PG64-22	250.00	TON		$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	26,640.00	TON		$	
0080	00221		CL2 ASPH BASE 0.75D PG64-22	43,701.00	TON		$	
0090	00301		CL2 ASPH SURF 0.38D PG64-22	20,554.00	TON		$	
0100	00358		ASPHALT CURING SEAL	288.00	TON		$	
0110	02542		CEMENT	5,489.00	TON		$	
0120	02702		SAND FOR BLOTTER	720.00	TON		$	
0130	20071EC		JOINT ADHESIVE	170,390.00	LF		$	
0140	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	90,895.00	TON		$	
0150	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	5,067,616.00	SF		$	
0160	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	202.00	TON		$	
0170	24986EC		HMA ELECTRONIC DELIVERY MGMT SYSTEM JACKSON	1.00	L S		$	
0180	24986EC		HMA ELECTRONIC DELIVERY MGMT SYSTEM OWSLEY	1.00	L S		$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0190	00021		DRAINAGE BLANKET-EMBANKMENT	4,400.00	CUYD		$	
0200	00078		CRUSHED AGGREGATE SIZE NO 2	94,979.00	TON		$	
0210	01000		PERFORATED PIPE-4 IN	7,145.00	LF		$	
0220	01010		NON-PERFORATED PIPE-4 IN	1,353.00	LF		$	
0230	01020		PERF PIPE HEADWALL TY 1-4 IN	41.00	EACH		$	
0240	01024		PERF PIPE HEADWALL TY 2-4 IN	18.00	EACH		$	
0250	01028		PERF PIPE HEADWALL TY 3-4 IN	30.00	EACH		$	
0260	01032		PERF PIPE HEADWALL TY 4-4 IN	10.00	EACH		$	
0270	01310		REMOVE PIPE	174.00	LF		$	
0280	01891		ISLAND HEADER CURB TYPE 2	300.00	LF		$	
0290	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	550.00	EACH		$	
0300	01990		DELINEATOR FOR BARRIER WALL-B/W	26.00	EACH		$	
0310	02014		BARRICADE-TYPE III	32.00	EACH		$	
0320	02091		REMOVE PAVEMENT	5,303.00	SQYD		$	
0330	02159		TEMP DITCH	26,145.00	LF		$	
0340	02160		CLEAN TEMP DITCH	13,073.00	LF		$	
0350	02200		ROADWAY EXCAVATION	5,849,424.00	CUYD		$	
0360	02242		WATER	14.00	MGAL		$	
0370	02351		GUARDRAIL-STEEL W BEAM-S FACE	49,125.00	LF		$	

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PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02360		GUARDRAIL TERMINAL SECTION NO 1	50.00	EACH		$	
0390	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	12.00	EACH		$	
0400	02371		GUARDRAIL END TREATMENT TYPE 7	5.00	EACH		$	
0410	02381		REMOVE GUARDRAIL	475.00	LF		$	
0420	02383		REMOVE & RESET GUARDRAIL	475.00	LF		$	
0430	02391		GUARDRAIL END TREATMENT TYPE 4A	80.00	EACH		$	
0440	02402		REMOVE STONE MASONRY	35.00	CUYD		$	
0450	02403		REMOVE CONCRETE MASONRY	80.00	CUYD		$	
0460	02429		RIGHT-OF-WAY MONUMENT TYPE 1	523.00	EACH		$	
0470	02431		WITNESS R/W MONUMENT TYPE 2	2.00	EACH		$	
0480	02432		WITNESS POST	522.00	EACH		$	
0490	02475		PLUG WATER WELL	3.00	EACH		$	
0500	02488		CHANNEL LINING CLASS IV (REVISED: 8-20-19)	62,381.00	CUYD		$	
0510	02545		CLEARING AND GRUBBING 174 ACRES-OWSLEY	1.00	LS		$	
0520	02545		CLEARING AND GRUBBING 380 ACRES-JACKSON	1.00	LS		$	
0530	02555		CONCRETE-CLASS B	924.00	CUYD		$	
0540	02562		TEMPORARY SIGNS	4,200.00	SQFT		$	
0550	02585		EDGE KEY	687.00	LF		$	
0560	02596		FABRIC-GEOTEXTILE TYPE I (FOR CONST. ENTR.)	720.00	SQYD		$	
0570	02599		FABRIC-GEOTEXTILE TYPE IV (GEOTECH NOTE 14, 16 & 21)	33,200.00	SQYD		$	
0580	02600		FABRIC GEOTEXTILE TY IV FOR PIPE (REVISED: 8-20-19)	29,344.00	SQYD	$2.00	$	$58,688.00
0590	02650		MAINTAIN & CONTROL TRAFFIC JACKSON	1.00	LS		$	
0600	02650		MAINTAIN & CONTROL TRAFFIC OWSLEY	1.00	LS		$	
0610	02671		PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH		$	
0620	02676		MOBILIZATION FOR MILL & TEXT JACKSON	1.00	LS		$	
0630	02676		MOBILIZATION FOR MILL & TEXT OWSLEY	1.00	LS		$	
0640	02677		ASPHALT PAVE MILLING & TEXTURING	1,250.00	TON		$	
0650	02696		SHOULDER RUMBLE STRIPS	104,579.00	LF		$	
0660	02701		TEMP SILT FENCE	26,145.00	LF		$	
0670	02703		SILT TRAP TYPE A	512.00	EACH		$	
0680	02704		SILT TRAP TYPE B	512.00	EACH		$	
0690	02705		SILT TRAP TYPE C	512.00	EACH		$	
0700	02706		CLEAN SILT TRAP TYPE A	512.00	EACH		$	
0710	02707		CLEAN SILT TRAP TYPE B	512.00	EACH		$	
0720	02708		CLEAN SILT TRAP TYPE C	512.00	EACH		$	
0730	02726		STAKING JACKSON	1.00	LS		$	
0740	02726		STAKING OWSLEY	1.00	LS		$	
0750	02731		REMOVE STRUCTURE (EXISTING 6' X 5' RCBC STA. 48+65)- JACKSON	1.00	LS		$	

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PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	03262		CLEAN PIPE STRUCTURE	1.00	EACH		$	
0770	05950		EROSION CONTROL BLANKET	945,397.00	SQYD		$	
0780	05952		TEMP MULCH	1,647,579.00	SQYD		$	
0790	05953		TEMP SEEDING AND PROTECTION	1,235,685.00	SQYD		$	
0800	05963		INITIAL FERTILIZER	223.00	TON		$	
0810	05964		MAINTENANCE FERTILIZER	130.00	TON		$	
0820	05985		SEEDING AND PROTECTION	1,598,177.00	SQYD		$	
0830	05992		AGRICULTURAL LIMESTONE	1,568.00	TON		$	
0840	06406		SBM ALUM SHEET SIGNS .080 IN	1,129.00	SQFT		$	
0850	06407		SBM ALUM SHEET SIGNS .125 IN	232.00	SQFT		$	
0860	06410		STEEL POST TYPE 1	2,873.00	LF		$	
0870	06490		CLASS A CONCRETE FOR SIGNS	5.98	CUYD		$	
0880	06510		PAVE STRIPING-TEMP PAINT-4 IN	79,654.00	LF		$	
0890	06511		PAVE STRIPING-TEMP PAINT-6 IN	219,561.00	LF		$	
0900	06514		PAVE STRIPING-PERM PAINT-4 IN	39,827.00	LF		$	
0910	06550		PAVE STRIPING-TEMP REM TAPE-W	2,340.00	LF		$	
0920	06551		PAVE STRIPING-TEMP REM TAPE-Y	2,340.00	LF		$	
0930	06556		PAVE STRIPING-DUR TY 1-6 IN W	2,340.00	LF		$	
0940	06557		PAVE STRIPING-DUR TY 1-6 IN Y	2,340.00	LF		$	
0950	06568		PAVE MARKING-THERMO STOP BAR-24IN	367.00	LF		$	
0960	06569		PAVE MARKING-THERMO CROSS-HATCH	3,723.00	SQFT		$	
0970	06574		PAVE MARKING-THERMO CURV ARROW	118.00	EACH		$	
0980	10020NS		FUEL ADJUSTMENT	1,258,412.00	DOLL	$1.00	$	$1,258,412.00
0990	10030NS		ASPHALT ADJUSTMENT	355,363.00	DOLL	$1.00	$	$355,363.00
1000	16034		G SERVICE LONG SIDE 3/4 INCH	1.00	EACH		$	
1010	20430ED		SAW CUT	651.00	LF		$	
1020	21289ED		LONGITUDINAL EDGE KEY	525.00	LF		$	
1030	22045NN		FLUME INLET TY 2-MOD	6.00	EACH		$	
1040	22664EN		WATER BLASTING EXISTING STRIPE	10,000.00	LF		$	
1050	23821EC		CENTERLINE RUMBLE STRIPS-12 IN	52,745.00	LF		$	
1060	24489EC		INLAID PAVEMENT MARKER	1,248.00	EACH		$	
1070	24631EC		BARCODE SIGN INVENTORY	304.00	EACH		$	
1080	24814EC		PIPELINE INSPECTION	10,999.00	LF		$	
1090	24845EC		UTILITY COORDINATION	1.00	LS		$	
1100	24845EC		UTILITY COORDINATION JACKSON	1.00	LS		$	
1110	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W	118,703.00	LF		$	
1120	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y	100,858.00	LF		$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	00439		ENTRANCE PIPE-12 IN	38.00	LF		$	
1140	00440		ENTRANCE PIPE-15 IN	410.00	LF		$	
1150	00441		ENTRANCE PIPE-18 IN	531.00	LF		$	
1160	00443		ENTRANCE PIPE-24 IN	61.00	LF		$	
1170	00445		ENTRANCE PIPE-30 IN	190.00	LF		$	
1180	00462		CULVERT PIPE-18 IN	1,304.00	LF		$	
1190	00464		CULVERT PIPE-24 IN	2,805.00	LF		$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1200	00466		CULVERT PIPE-30 IN (REVISED: 8-20-19)	2,392.00	LF		$	
1210	00468		CULVERT PIPE-36 IN (REVISED: 8-20-19)	1,093.00	LF		$	
1220	00469		CULVERT PIPE-42 IN (REVISED: 8-20-19)	1,230.00	LF		$	
1230	00470		CULVERT PIPE-48 IN (REVISED: 8-20-19)	554.00	LF		$	
1240	00471		CULVERT PIPE-54 IN (REVISED: 8-20-19)	1,804.00	LF		$	
1250	01202		PIPE CULVERT HEADWALL-15 IN	8.00	EACH		$	
1260	01204		PIPE CULVERT HEADWALL-18 IN	9.00	EACH		$	
1270	01204		PIPE CULVERT HEADWALL-18 IN	7.00	EACH		$	
1280	01208		PIPE CULVERT HEADWALL-24 IN	11.00	EACH		$	
1290	01208		PIPE CULVERT HEADWALL-24 IN	15.00	EACH		$	
1300	01210		PIPE CULVERT HEADWALL-30 IN	7.00	EACH		$	
1310	01210		PIPE CULVERT HEADWALL-30 IN	14.00	EACH		$	
1320	01212		PIPE CULVERT HEADWALL-36 IN	8.00	EACH		$	
1330	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		$	
1340	01214		PIPE CULVERT HEADWALL-42 IN	4.00	EACH		$	
1350	01214		PIPE CULVERT HEADWALL-42 IN (REVISED: 8-20-19)	10.00	EACH		$	
1360	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		$	
1370	01216		PIPE CULVERT HEADWALL-48 IN (REVISED: 8-20-19)	4.00	EACH		$	
1380	01450		S & F BOX INLET-OUTLET-18 IN	7.00	EACH		$	
1390	01451		S & F BOX INLET-OUTLET-24 IN	8.00	EACH		$	
1400	01452		S & F BOX INLET-OUTLET-30 IN	1.00	EACH		$	
1410	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		$	
1420	01511		DROP BOX INLET TYPE 5D	2.00	EACH		$	
1430	24026EC		PIPE CULVERT HEADWALL-54 IN (REVISED: 8-20-19)	6.00	EACH		$	
1440	24561EN		ENTRANCE PIPE-42 IN	52.00	FT		$	

Section: 0004 - BRIDGE- NO. 27780 - KY 30 OVER STURGEON CREEK STA 356+75

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1450	02231		STRUCTURE GRANULAR BACKFILL	276.00	CUYD		$	
1460	02998		MASONRY COATING	2,973.00	SQYD		$	
1470	03299		ARMORED EDGE FOR CONCRETE	76.00	LF		$	
1480	08001		STRUCTURE EXCAVATION-COMMON	139.00	CUYD		$	
1490	08002		STRUCTURE EXCAV-SOLID ROCK	152.00	CUYD		$	
1500	08019		CYCLOPEAN STONE RIP RAP	628.00	TON		$	
1510	08020		CRUSHED AGGREGATE SLOPE PROT	196.00	TON		$	
1520	08033		TEST PILES	83.00	LF		$	
1530	08046		PILES-STEEL HP12X53	477.00	LF		$	
1540	08094		PILE POINTS-12 IN	14.00	EACH		$	
1550	08100		CONCRETE-CLASS A	315.50	CUYD		$	
1560	08104		CONCRETE-CLASS AA	677.20	CUYD		$	
1570	08150		STEEL REINFORCEMENT	55,899.00	LB		$	

PROPOSAL BID ITEMS

Report Date 8/20/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1580	08151		STEEL REINFORCEMENT-EPOXY COATED	187,081.00	LB		$	
1590	20743ED		DRILLED SHAFT 54 IN-SOLID ROCK	24.00	LF		$	
1600	20744ED		DRILLED SHAFT 60 IN-COMMON	34.00	LF		$	
1610	20746ED		ROCK CORINGS	44.00	LF		$	
1620	21084ED		SOUNDINGS	34.00	LF		$	
1630	21532ED		RAIL SYSTEM TYPE III	986.00	LF		$	
1640	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,706.00	SQYD		$	
1650	24098EC		PPC I-BEAM TYPE HN 66-49	1,958.00	LF		$	
1660	24595EN		ELASTICIZED EPS (10" THICKNESS)	136.00	SQYD		$	

Section: 0005 - BRIDGE- NO. 27721 - KY 30 BRIDGE OVER US 421

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1670	02231		STRUCTURE GRANULAR BACKFILL	276.00	CUYD		$	
1680	02998		MASONRY COATING	1,352.00	SQYD		$	
1690	03299		ARMORED EDGE FOR CONCRETE	76.00	LF		$	
1700	08019		CYCLOPEAN STONE RIP RAP	180.00	TON		$	
1710	08020		CRUSHED AGGREGATE SLOPE PROT	98.00	TON		$	
1720	08033		TEST PILES	61.00	LF		$	
1730	08046		PILES-STEEL HP12X53	303.00	LF		$	
1740	08094		PILE POINTS-12 IN	14.00	EACH		$	
1750	08100		CONCRETE-CLASS A	74.20	CUYD		$	
1760	08104		CONCRETE-CLASS AA	392.00	CUYD		$	
1770	08150		STEEL REINFORCEMENT	9,850.00	LB		$	
1780	08151		STEEL REINFORCEMENT-EPOXY COATED	86,323.00	LB		$	
1790	20637ED		DRILLED SHAFT-ROCK 48 IN	28.00	LF		$	
1800	20746ED		ROCK CORINGS	48.00	LF		$	
1810	21084ED		SOUNDINGS	27.00	LF		$	
1820	21432NC		CONCRETE FORMLINER	1,293.00	SQFT		$	
1830	21532ED		RAIL SYSTEM TYPE III	466.00	LF		$	
1840	22417EN		DRILLED SHAFT-54 IN-COMMON	27.00	LF		$	
1850	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,706.00	SQYD		$	
1860	23168ED		CONCRETE STAINING	144.00	SQYD		$	
1870	24098EC		PPC I-BEAM TYPE HN 66-49	924.70	LF		$	
1880	24595EN		ELASTICIZED EPS (10" THICKNESS)	136.00	SQYD		$	

Section: 0006 - BRIDGE- NO. 27781 - KY 30 OVER MILLS BR & KY 1071 STA 429+44.50

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1890	02231		STRUCTURE GRANULAR BACKFILL	261.00	CUYD		$	
1900	02998		MASONRY COATING	586.00	SQYD		$	
1910	03299		ARMORED EDGE FOR CONCRETE	38.00	LF		$	
1920	08020		CRUSHED AGGREGATE SLOPE PROT	221.00	TON		$	
1930	08033		TEST PILES	27.00	LF		$	
1940	08051		PILES-STEEL HP14X89	245.00	LF		$	
1950	08095		PILE POINTS-14 IN	10.00	EACH		$	

PROPOSAL BID ITEMS

Report Date 8/20/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1960	08100		CONCRETE-CLASS A	32.00	CUYD		$	
1970	08104		CONCRETE-CLASS AA	180.00	CUYD		$	
1980	08150		STEEL REINFORCEMENT	7,594.00	LB		$	
1990	08151		STEEL REINFORCEMENT-EPOXY COATED	53,892.00	LB		$	
2000	21532ED		RAIL SYSTEM TYPE III	225.00	LF		$	
2010	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	955.00	SQYD		$	
2020	24582EN		PRECAST PC I BEAM-HN 72-49	446.00	LF		$	
2030	24595EN		ELASTICIZED EPS (10" THICKNESS)	51.00	SQYD		$	

Section: 0007 - BRIDGE- NO. 27722 - 6' X 5' RCBC STA 121+95

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2040	02223		GRANULAR EMBANKMENT	61.60	CUYD		$	
2050	08002		STRUCTURE EXCAV-SOLID ROCK	72.80	CUYD		$	
2060	08003		FOUNDATION PREPARATION	1.00	LS		$	
2070	08100		CONCRETE-CLASS A	286.20	CUYD		$	
2080	08150		STEEL REINFORCEMENT	21,047.00	LB		$	

Section: 0008 - BRIDGE- NO. 27782 - 6' X 6' RCBC STA 444+45

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2090	08002		STRUCTURE EXCAV-SOLID ROCK	150.80	CUYD		$	
2100	08003		FOUNDATION PREPARATION	1.00	LS		$	
2110	08100		CONCRETE-CLASS A	673.80	CUYD		$	
2120	08150		STEEL REINFORCEMENT	71,765.00	LB		$	

Section: 0009 - BRIDGE- NO. 27723 - DBL 14' X 7' RCBC STA 208+83

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2130	02555		CONCRETE-CLASS B	10.00	CUYD		$	
2140	08002		STRUCTURE EXCAV-SOLID ROCK	188.00	CUYD		$	
2150	08003		FOUNDATION PREPARATION	1.00	LS		$	
2160	08100		CONCRETE-CLASS A	541.60	CUYD		$	
2170	08150		STEEL REINFORCEMENT	56,774.00	LB		$	

Section: 0010 - BRIDGE- NO. 27783 - 8' X 7' RCBC STA 555+40

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2180	08002		STRUCTURE EXCAV-SOLID ROCK	888.00	CUYD		$	
2190	08003		FOUNDATION PREPARATION	1.00	LS		$	
2200	08100		CONCRETE-CLASS A	1,263.40	CUYD		$	
2210	08150		STEEL REINFORCEMENT	103,258.00	LB		$	

PROPOSAL BID ITEMS

Report Date 8/20/19

Section: 0011 - BRIDGE- NO. 27724 - 12' X5' RCBC STA 60+70

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2220	02223		GRANULAR EMBANKMENT	5.00	CUYD		$	
2230	08002		STRUCTURE EXCAV-SOLID ROCK	79.80	CUYD		$	
2240	08003		FOUNDATION PREPARATION	1.00	LS		$	
2250	08100		CONCRETE-CLASS A	118.90	CUYD		$	
2260	08150		STEEL REINFORCEMENT	9,723.00	LB		$	

Section: 0012 - BRIDGE- NO. 27784 - 8' X 6' RCBC STA 595+00

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2270	08003		FOUNDATION PREPARATION	1.00	LS		$	
2280	08100		CONCRETE-CLASS A	428.00	CUYD		$	
2290	08150		STEEL REINFORCEMENT	50,009.00	LB		$	

Section: 0013 - BRIDGE- NO. 27725 - 6' X 6' RCBC STA 47+40

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2300	02555		CONCRETE-CLASS B	45.40	CUYD		$	
2310	08002		STRUCTURE EXCAV-SOLID ROCK	154.10	CUYD		$	
2320	08003		FOUNDATION PREPARATION	1.00	LS		$	
2330	08100		CONCRETE-CLASS A	325.00	CUYD		$	
2340	08150		STEEL REINFORCEMENT	27,230.00	LB		$	

Section: 0014 - BRIDGE- NO. 27726 - 10' X 5' RCBC STA 26+80

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2350	02223		GRANULAR EMBANKMENT	64.00	CUYD		$	
2360	08002		STRUCTURE EXCAV-SOLID ROCK	5.00	CUYD		$	
2370	08003		FOUNDATION PREPARATION	1.00	LS		$	
2380	08100		CONCRETE-CLASS A	141.70	CUYD		$	
2390	08150		STEEL REINFORCEMENT	11,579.00	LB		$	

Section: 0015 - BRIDGE- NO. 27781 - KY 30 OVER MILLS BR & KY 1071 STA 429+44.50

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2400	02231		STRUCTURE GRANULAR BACKFILL	232.00	CUYD		$	
2410	02998		MASONRY COATING	2,247.00	SQYD		$	
2420	03299		ARMORED EDGE FOR CONCRETE	38.00	LF		$	
2430	08019		CYCLOPEAN STONE RIP RAP	609.00	TON		$	
2440	08020		CRUSHED AGGREGATE SLOPE PROT	318.00	TON		$	
2450	08033		TEST PILES	78.00	LF		$	
2460	08051		PILES-STEEL HP14X89	703.00	LF		$	
2470	08095		PILE POINTS-14 IN	10.00	EACH		$	
2480	08100		CONCRETE-CLASS A	309.00	CUYD		$	

PROPOSAL BID ITEMS

Report Date 8/20/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2490	08104		CONCRETE-CLASS AA	490.00	CUYD		$	
2500	08150		STEEL REINFORCEMENT	67,171.00	LB		$	
2510	08151		STEEL REINFORCEMENT-EPOXY COATED	156,879.00	LB		$	
2520	20745ED		ROCK SOUNDINGS	77.00	LF		$	
2530	20746ED		ROCK CORINGS	156.00	LF		$	
2540	21532ED		RAIL SYSTEM TYPE III	663.00	LF		$	
2550	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	829.00	SQYD		$	
2560	22885EN		DRILLED SHAFT-72 IN-ROCK	88.00	LF		$	
2570	24001EC		DRILLED SHAFT-78 IN COMMON	66.00	LF		$	
2580	24582EN		PRECAST PC I BEAM-HN 72-49	1,314.00	LF		$	
2590	24595EN		ELASTICIZED EPS (10" THICKNESS)	46.00	SQYD		$	

Section: 0016 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2600	14004		W DIRECTIONAL BORE	180.00	LF		$	
2610	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3	585.00	LF		$	
2620	14022		W FLUSH HYDRANT ASSEMBLY TYPE 1	1.00	EACH		$	
2630	14022		W FLUSH HYDRANT ASSEMBLY TYPE 3	3.00	EACH		$	
2640	14056		W PIPE PVC 02 INCH	2,150.00	LF		$	
2650	14058		W PIPE PVC 04 INCH	2,420.00	LF		$	
2660	14059		W PIPE PVC 06 INCH	955.00	LF		$	
2670	14091		W TIE-IN 02 INCH	1.00	EACH		$	
2680	14093		W TIE-IN 04 INCH	5.00	EACH		$	
2690	14094		W TIE-IN 06 INCH	4.00	EACH		$	
2700	14102		W VALVE 02 INCH	1.00	EACH		$	
2710	14104		W VALVE 04 INCH	5.00	EACH		$	
2720	14105		W VALVE 06 INCH	3.00	EACH		$	

Section: 0017 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2730	02742		TRAINEE PAYMENT REIMBURSEMENT (1 GROUP 2, 3 OR 4 OPERATOR)	1,400.00	HOUR		$	
2740	02742		TRAINEE PAYMENT REIMBURSEMENT (1 GROUP 2,3 OR 4 OPERATOR)	1,400.00	HOUR		$	

Section: 0018 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2750	02568		MOBILIZATION	1.00	LS		$	
2760	02569		DEMOBILIZATION	1.00	LS		$	

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R2m

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	JACKSON COUNTY																OWSLEY COUNTY								JACKSON COUNTY TOTALS	OWSLEY COUNTY TOTALS	PROJECT TOTALS
			MAINLINE KY 30	US 421	US 421 CONN. (108+10)	KY 1431 CONN. 1 (120+25)	WOODLAND DR (129+27)	KY 1431 CONN. 2 (148+00)	KY 1431 CONN. 3 (209+75)	BATES VICKERS RD (280+00)	EXIST. KY 30 CONN. 1 (339+00)	EXIST. KY 30 CONN. 2 (46+90)	JACKSON DR	CREECH RD	EXISTING KY 30 NO. 1	EXISTING KY 30 NO. 2	EXISTING KY 1071	ENTRANCES	MAINLINE KY 30	STURGEON CREEK RD LT/ EXIST. KY 30 CONN. 3 RT (462+00)	EXIST. KY 30 CONN. 4 (52+00)	CANDY BRANCH RD (513+50)	BARRETT RD (549+00)	BOTNER RD (596+00)	LITTLE STURGEON CREEK RD (608+12)	ENTRANCES			
00021	DRAINAGE BLANKET-EMBANKMENT (GEOTECH NOTE 14)	CUYD	2,200																2,200								2,200	2,200	**4,400**
00078	CRUSHED AGGREGATE SIZE NO 2 ①	TON																									72,528	22,451	**94,979**
01000	PERFORATED PIPE-4 IN	LF	3,990		47	25	14	120	20	177	102	27							1,968	225	24	214	43	112	37		4,522	2,623	**7,145**
01010	NON-PERFORATED PIPE-4 IN	LF	468		8	8	8	16	8	32	16	8							490	32	8	176	20	41	14		572	781	**1,353**
01020	PERF PIPE HEADWALL TY 1-4 IN	EACH	15			1		1		2	2	1							12	3		1	2	1			22	19	**41**
01024	PERF PIPE HEADWALL TY 2-4 IN	EACH	9							1									7					1			10	8	**18**
01028	PERF PIPE HEADWALL TY 3-4 IN	EACH	9		1		1		1	1									9	1		5		2			13	17	**30**
01032	PERF PIPE HEADWALL TY 4-4 IN	EACH	6					1											1		1				1		7	3	**10**
01310	REMOVE PIPE	LF	39	19					44											46	26						102	72	**174**
01891	ISLAND HEADER CURB TYPE 2	LF	250																50								250	50	**300**
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	234	3	3	4				20	7	3		2	4	5		3	215	7	3	16	5	15		1	288	262	**550**
01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	21																5								21	5	**26**
02014	BARRICADE-TYPE III	EACH	16																16								16	16	**32**
02091	REMOVE PAVEMENT	SQYD	1,747		619				253	380					577				875	58				794			3,576	1,727	**5,303**
02159	TEMP DITCH	LF	17,127																9,018								17,127	9,018	**26,145**
02160	CLEAN TEMP DITCH	LF	8,564																4,509								8,564	4,509	**13,073**
02200	ROADWAY EXCAVATION ②	CUYD	3,503,594	569	153,129	4,405	409	43,875	2,111	4,413	4,801	6,365	24	174					1,604,381	18,300	2,314	20,914	3,446	13,790	55		3,994,530	1,854,894	**5,849,424**
02242	WATER ③	MGAL	7																7								7	7	**14**
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	23,350	312.5	325	362.5				1,975	712.5	262.5		175	362.5	462.5		250	17,200	687.5	250	1,087.5	375	837.5		137.5	28,550	20,575	**49,125**
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	19	1						3								1	20	1		1	2	1		1	24	26	**50**
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	10																2								10	2	**12**
02371	GUARDRAIL END TREATMENT TYPE 7	EACH								2				2						1							4	1	**5**
02381	REMOVE GUARDRAIL	LF		462.5												12.5											475		**475**
02383	REMOVE & RESET GUARDRAIL	LF																	437.5						37.5			475	**475**
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	35		2	1					2	1			2	1			31		1	1		3			44	36	**80**
02402	REMOVE STONE MASONRY	CUYD							25												10						25	10	**35**
02403	REMOVE CONCRETE MASONRY	CUYD	5	75																							80		**80**
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	226		7	4		2	8	11	7	1		3					198	13	5	15	4	18	1		269	254	**523**
02431	WITNESS R/W MONUMENT TYPE 2	EACH	2																								2		**2**
02432	WITNESS POST	EACH	228		7	4		2	8	11	7	1							198	13	5	15	4	18	1		268	254	**522**
02475	PLUG WATER WELL	EACH								1										2							1	2	**3**
02488	CHANNEL LINING CLASS IV ④	CUYD	33,381	341	1,028	1,009	47	398	52	614	216	174		32		122			16,535	1,239	916	1,316	57	939			37,414	21,002	**62,381**
02545	CLEARING AND GRUBBING ⑤	LS	1																1								1	1	**1**
02555	CONCRETE-CLASS B ⑥ ⑦	CUYD	392			174													340			14		4			566	358	**976**
02562	TEMPORARY SIGNS	SQFT	2,100																2,100								2,100	2,100	**4,200**
02568	MOBILIZATION	LS	1																1								1	1	**1**
02569	DEMOBILIZATION	LS	1																1								1	1	**1**
02585	EDGE KEY	LF	60			25	12	24	25		26	24	42		48	48	50		43	46	26	24	13	129	22		384	303	**687**
02596	FABRIC-GEOTEXTILE TYPE I (FOR CONST. ENTR.)	SQYD	360																360								360	360	**720**
02599	FABRIC-GEOTEXTILE TYPE IV (GEOTECH NOTE 14, 16, & 21)	SQYD	16,600																16,600								16,600	16,600	**33,200**
02600	FABRIC GEOTEXTILE TY IV FOR PIPE ⑧	SQYD	15,205			325			167	346				66			156		10,525	175	171	1,199	1,009				16,265	13,079	**29,344**
02650	MAINTAIN & CONTROL TRAFFIC	LS	1																1								1	1	**1**
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4																4								4	4	**8**
02676	MOBILIZATION FOR MILL & TEXT	LS	1																1								1	1	**1**
02677	ASPHALT PAVE MILLING & TEXTURING ⑨	TON		1,136																							1,136	114	**1,250**
02696	SHOULDER RUMBLE STRIPS-SAWED	LF	68,500																36,079								68,500	36,079	**104,579**
02701	TEMP SILT FENCE	LF	17,127																9,018								17,127	9,018	**26,145**
02703	SILT TRAP TYPE A	EACH	348																164								348	164	**512**
02704	SILT TRAP TYPE B	EACH	348																164								348	164	**512**
02705	SILT TRAP TYPE C	EACH	348																164								348	164	**512**
02706	CLEAN SILT TRAP TYPE A	EACH	348																164								348	164	**512**
02707	CLEAN SILT TRAP TYPE B	EACH	348																164								348	164	**512**
02708	CLEAN SILT TRAP TYPE C	EACH	348																164								348	164	**512**
02726	STAKING	LS	1																1								1	1	**1**
02731	REMOVE STRUCTURE - EXISTING 6'X5' RCBC (STA. 48+65)	LS				1																					1		**1**

NOTES :

① PROJ. TOT. =94,979 TONS, WHICH INCL:
2,000 TONS FOR GEOTECH NOTE 16,
300 TONS FOR CONSTR. ENTR.,
99 TONS FOR PERF. PIPE HDWLS.
71,326 TONS FOR ROCK EMB.
IN JACKSON COUNTY
19,214 TONS FOR ROCK EMB.
IN OWSLEY COUNTY
2,040 TONS FOR SHEAR KEY REFILL
(ROCK EMB) IN OWSLEY COUNTY
BASED ON A RATE OF 1.3 TONS/CY

② INCLUDES:
5,776 CUYD CARRIED OVER FROM
JACKSON COUNTY PIPE SUMMARY
1,762 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY
263,576 CUYD FOR JACKSON COUNTY
TRANSVERSE BENCHES
151,379 CUYD FOR OWSLEY COUNTY
TRANSVERSE BENCHES
1,309 CUYD FOR JACKSON CO. ENTRS.
38,553 CUYD FOR OWSLEY CO. ENTRS.

SEE SHEET R2n FOR
EARTHWORK BALANCE

③ FOR DUST CONTROL WHILE
MAINTAINING TRAFFIC

④ 2,327 CUYD CARRIED OVER FROM
JACKSON COUNTY PIPE SUMMARY
1,638 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY

⑤ APPROX. 380 ACRES JACKSON COUNTY
APPROX. 174 ACRES OWSLEY COUNTY

⑥ 52 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY

⑦ TO BE USED FOR GROUTED CL IV
CHANNEL LINING

⑧ QUANTITES CARRIED OVER FROM
JACKSON & OWSLEY COUNTY
PIPE SUMMARIES. TO BE USED
FOR WRAPPING PIPE TRENCH BACKFILL.

⑨ INCLUDES 114 TONS TO BE USED AS
DIRECTED BY THE ENGINEER

CONTINUED ON NEXT SHEET

GENERAL SUMMARY

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R2m

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	JACKSON COUNTY																OWSLEY COUNTY								JACKSON COUNTY TOTALS	OWSLEY COUNTY TOTALS	PROJECT TOTALS
			MAINLINE KY 30	US 421	US 421 CONN. (108+10)	KY 1431 CONN. 1 (120+25)	WOODLAND DR (129+27)	KY 1431 CONN. 2 (148+00)	KY 1431 CONN. 3 (209+75)	BATES VICKERS RD (280+00)	EXIST. KY 30 CONN. 1 (339+00)	EXIST. KY 30 CONN. 2 (46+90)	JACKSON DR	CREECH RD	EXISTING KY 30 NO. 1	EXISTING KY 30 NO. 2	EXISTING KY 1071	ENTRANCES	MAINLINE KY 30	STURGEON CREEK RD LT/ EXIST. KY 30 CONN. 3 RT (462+00)	EXIST. KY 30 CONN. 4 (52+00)	CANDY BRANCH RD (513+50)	BARRETT RD (549+00)	BOTNER RD (596+00)	LITTLE STURGEON CREEK RD (608+12)	ENTRANCES			
00021	DRAINAGE BLANKET-EMBANKMENT (GEOTECH NOTE 14)	CUYD	2,200																2,200								2,200	2,200	**4,400**
00078	CRUSHED AGGREGATE SIZE NO 2 ①	TON																									72,528	22,451	**94,979**
01000	PERFORATED PIPE-4 IN	LF	3,990		47	25	14	120	20	177	102	27							1,968	225	24	214	43	112	37		4,522	2,623	**7,145**
01010	NON-PERFORATED PIPE-4 IN	LF	468		8	8	8	16	8	32	16	8							490	32	8	176	20	41	14		572	781	**1,353**
01020	PERF PIPE HEADWALL TY 1-4 IN	EACH	15			1		1		2	2	1							12	3		1	2	1			22	19	**41**
01024	PERF PIPE HEADWALL TY 2-4 IN	EACH	9							1									7					1			10	8	**18**
01028	PERF PIPE HEADWALL TY 3-4 IN	EACH	9		1		1		1	1									9	1		5		2			13	17	**30**
01032	PERF PIPE HEADWALL TY 4-4 IN	EACH	6					1											1		1				1		7	3	**10**
01310	REMOVE PIPE	LF	39	19					44											46	26						102	72	**174**
01891	ISLAND HEADER CURB TYPE 2	LF	250																50								250	50	**300**
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	234	3	3	4				20	7	3		2	4	5		3	215	7	3	16	5	15		1	288	262	**550**
01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	21																5								21	5	**26**
02014	BARRICADE-TYPE III	EACH	16																16								16	16	**32**
02091	REMOVE PAVEMENT	SQYD	1,747		619				253	380					577				875	58				794			3,576	1,727	**5,303**
02159	TEMP DITCH	LF	17,127																9,018								17,127	9,018	**26,145**
02160	CLEAN TEMP DITCH	LF	8,564																4,509								8,564	4,509	**13,073**
02200	ROADWAY EXCAVATION ②	CUYD	3,503,594	569	153,129	4,405	409	43,875	2,111	4,413	4,801	6,365	24	174					1,604,381	18,300	2,314	20,914	3,446	13,790	55		3,994,530	1,854,894	**5,849,424**
02242	WATER ③	MGAL	7																7								7	7	**14**
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	23,350	312.5	325	362.5				1,975	712.5	262.5		175	362.5	462.5		250	17,200	687.5	250	1,087.5	375	837.5		137.5	28,550	20,575	**49,125**
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	19	1						3								1	20	1		1	2	1		1	24	26	**50**
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	10																2								10	2	**12**
02371	GUARDRAIL END TREATMENT TYPE 7	EACH								2				2						1							4	1	**5**
02381	REMOVE GUARDRAIL	LF		462.5												12.5											475		**475**
02383	REMOVE & RESET GUARDRAIL	LF																	437.5						37.5			475	**475**
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	35		2	1					2	1			2	1			31		1	1		3			44	36	**80**
02402	REMOVE STONE MASONRY	CUYD							25												10						25	10	**35**
02403	REMOVE CONCRETE MASONRY	CUYD	5	75																							80		**80**
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	226		7	4		2	8	11	7	1		3					198	13	5	15	4	18	1		269	254	**523**
02431	WITNESS R/W MONUMENT TYPE 2	EACH	2																								2		**2**
02432	WITNESS POST	EACH	228		7	4		2	8	11	7	1							198	13	5	15	4	18	1		268	254	**522**
02475	PLUG WATER WELL	EACH								1										2							1	2	**3**
02488	CHANNEL LINING CLASS IV ④	CUYD	33,381	341	1,028	1,009	47	398	52	614	216	174		32		122			16,535	1,239	916	1,316	57	939			37,414	21,002	**62,381**
02545	CLEARING AND GRUBBING ⑤	LS	1																1								1	1	**1**
02555	CONCRETE-CLASS B ⑥ ⑦	CUYD	392			174													340			14		4			566	358	**976**
02562	TEMPORARY SIGNS	SQFT	2,100																2,100								2,100	2,100	**4,200**
02568	MOBILIZATION	LS	1																1								1	1	**1**
02569	DEMOBILIZATION	LS	1																1								1	1	**1**
02585	EDGE KEY	LF	60			25	12	24	25		26	24	42		48	48	50		43	46	26	24	13	129	22		384	303	**687**
02596	FABRIC-GEOTEXTILE TYPE I (FOR CONST. ENTR.)	SQYD	360																360								360	360	**720**
02599	FABRIC-GEOTEXTILE TYPE IV (GEOTECH NOTE 14, 16, & 21)	SQYD	16,600																16,600								16,600	16,600	**33,200**
02600	FABRIC GEOTEXTILE TY IV FOR PIPE ⑧	SQYD	15,205			325			167	346				66			156		10,525	175	171	1,199	1,009				16,265	13,079	**29,344**
02650	MAINTAIN & CONTROL TRAFFIC	LS	1																1								1	1	**1**
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4																4								4	4	**8**
02676	MOBILIZATION FOR MILL & TEXT	LS	1																1								1	1	**1**
02677	ASPHALT PAVE MILLING & TEXTURING ⑨	TON		1,136																							1,136	114	**1,250**
02696	SHOULDER RUMBLE STRIPS-SAWED	LF	68,500																36,079								68,500	36,079	**104,579**
02701	TEMP SILT FENCE	LF	17,127																9,018								17,127	9,018	**26,145**
02703	SILT TRAP TYPE A	EACH	348																164								348	164	**512**
02704	SILT TRAP TYPE B	EACH	348																164								348	164	**512**
02705	SILT TRAP TYPE C	EACH	348																164								348	164	**512**
02706	CLEAN SILT TRAP TYPE A	EACH	348																164								348	164	**512**
02707	CLEAN SILT TRAP TYPE B	EACH	348																164								348	164	**512**
02708	CLEAN SILT TRAP TYPE C	EACH	348																164								348	164	**512**
02726	STAKING	LS	1																1								1	1	**1**
02731	REMOVE STRUCTURE - EXISTING 6'X5' RCBC (STA. 48+65)	LS				1																					1		**1**

NOTES :

① PROJ. TOT. =94,979 TONS, WHICH INCL:
2,000 TONS FOR GEOTECH NOTE 16,
300 TONS FOR CONSTR. ENTR.,
99 TONS FOR PERF. PIPE HDWLS.
71,326 TONS FOR ROCK EMB.
IN JACKSON COUNTY
19,214 TONS FOR ROCK EMB.
IN OWSLEY COUNTY
2,040 TONS FOR SHEAR KEY REFILL
(ROCK EMB) IN OWSLEY COUNTY
BASED ON A RATE OF 1.3 TONS/CY

② INCLUDES:
5,776 CUYD CARRIED OVER FROM
JACKSON COUNTY PIPE SUMMARY
1,762 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY
263,576 CUYD FOR JACKSON COUNTY
TRANSVERSE BENCHES
151,379 CUYD FOR OWSLEY COUNTY
TRANSVERSE BENCHES
1,309 CUYD FOR JACKSON CO. ENTRS.
38,553 CUYD FOR OWSLEY CO. ENTRS.

SEE SHEET R2n FOR
EARTHWORK BALANCE

③ FOR DUST CONTROL WHILE
MAINTAINING TRAFFIC

④ 2,327 CUYD CARRIED OVER FROM
JACKSON COUNTY PIPE SUMMARY
1,638 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY

⑤ APPROX. 380 ACRES JACKSON COUNTY
APPROX. 174 ACRES OWSLEY COUNTY

⑥ 52 CUYD CARRIED OVER FROM
OWSLEY COUNTY PIPE SUMMARY

⑦ TO BE USED FOR GROUTED CL IV
CHANNEL LINING

⑧ QUANTITES CARRIED OVER FROM
JACKSON & OWSLEY COUNTY
PIPE SUMMARIES. TO BE USED
FOR WRAPPING PIPE TRENCH BACKFILL.

⑨ INCLUDES 114 TONS TO BE USED AS
DIRECTED BY THE ENGINEER

CONTINUED ON NEXT SHEET

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SUMMARY JACKSON COUNTY

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R20

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	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	ENTR PIPE 12 IN	ENTR PIPE 15 IN	ENTR PIPE 18 IN	ENTR PIPE 24 IN	ENTR PIPE 30 IN	ENTR PIPE 42 IN	DBI DBI TYPE 5D	SAFETY INLETS S & F BOX INLET OUTLET - 18 IN	SAFETY INLETS S & F BOX INLET OUTLET - 24 IN	SAFETY INLETS S & F BOX INLET OUTLET - 36 IN	PC HDWL 18 IN	PC HDWL 24 IN	PC HDWL 30 IN	PC HDWL 36 IN	PC HDWL 42 IN	PC HDWL 48 IN	PC HDWL 54 IN	MISC ROADWAY EXCAVATION	MISC CHANNEL LINING CLASS IV	MISC CONCRETE-CLASS B	MISC GEOTEXTILE FABRIC TY. IV FOR PIPE		REMARKS
ITEM CODE					00462	00464	00466	00468	00469	00470	00471	00439	00440	00441	00443	00445	24561EN	01511	01450	01451	01453	01204	01208	01210	01212	01214	01216	24026EC	02200	02488	02555	02600		
UNIT TO BID			FT		LF													EACH											CUYD			SQYD		
	MAINLINE																																	
R374	095+50		4.1	M				79													1				1					13				1-36" P.C. HDWL. AND 1-36" S&F BOX I/O
R375	121+95	25° LT	20.8	M																									129	28				6'X5' RCBC - SEE STRUCTURE PLANS
R377	155+00		30.4	M			222																	2					33	13		444		2 - 30" P.C. HDWL'S.
R378	159+39	25° RT	45.8	M			280																	2					34	21		560		2 - 30" P.C. HDWL'S.
R379	173+80	20° RT	35.4	M		482																	2						68	17		857		2 - 24" S&F HDWL'S.
R380	189+72	15° RT	73.1	M							573																	2	178	59		2,040		54" PIPE W/2 - 54" P.C. HDWL'S.
R381	208+83	08° LT	6.6	M																									2,186	1,168				DBL 14'X7' RCBC - SEE STRUCTURE PLANS
R383	227+75	30° RT	12.2	M		250														1			1						13	56		445		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R384	251+54	19° LT	60.3	M			424																	2					89	14		848		2 - 30" P.C. HDWL'S.
R385	253+90	25° RT	48.5	M		405																	2						84	20		720		2 - 24" S&F HDWL'S.
R386	258+30	30° LT	36.3	M	291																	2							55	12		453		2 - 18" S&F HDWL'S.
R387	260+62	15° RT	34.6	M	266																	2							42	25		414		2 - 18" S&F HDWL'S.
R388	274+92	44° LT	62.9	M							585																	2	671	55		2,015		54" PIPE W/2 - 54" P.C. HDWL'S.
R389	286+92	15° RT	56.1	M			457																	2					153	25		820		2 - 30" P.C. HDWL'S.
R390	296+95	47° RT	68.1	M							646																	2	149	138		2,300		54" PIPE W/2 - 54" P.C. HDWL'S.
R391	305+67	05° RT	13.9	M	210									27				1	1			1							61	23		327		1 - 18" S&F HDWL., 1 -18" S&F BOX I/O, 1 DBI TY 5D
R392	333+55	40° RT	32.2	M					276																	2			77	25		675		42" RCP PIPE W/2 - 42" P.C. HDWL'S.
R393	382+00		6.3	M		85														2									131	7		152		2 - 24" S&F BOX I/O
R394	386+55	23° RT	48.6	M						312																	2		258	46		832		48" RCP W/2 - 48" P.C. HDWL'S.
R395	394+74	36° LT	41.8	M			313																	2					74	45		626		2 - 30" P.C. HDWL'S.
R396	406+95	23° LT	35	M		201																	2						110	76	35	358		2 - 24" S&F HDWL'S., GROUTED CL. IV CHANNEL LIN.
R397	418+10	05° LT	29	M		220																	4						34	18		319		4 - 24" S&F HDWL'S.
	APPR. RT. 108+10 (US 421 CONN.)																																	
R419	060+70		3.2	M																									184					12'X5' RCBC - SEE STRUCTURE PLANS
	APPR. LT. 120+25 (KY 1431 CONN. 1 AND ENTR. LT.)																																	
R421	046+00		10	M		80														1			1						36	10		143		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R422	048+80	15° LT	9.5	M						68																	2		122	97		182		2 - 48" P.C. HDWL'S.
	APPR. LT. 129+27 (WOODLAND DR.)																																	
R423	049+28	05° LT	5.1	M					61																	2			97	46				2 - 42" P.C. HDWL'S.
	APPR. LT. & RT. 209+75 (KY 1431 CONN. 3)																																	
R426	48+50		5.8	M					75																	2			94	45		167		2 - 42" P.C. HDWL'S.
R427	052+00		4.9	M		60														1			1						28	6				1 - 24" S&F BOX I/O AND 1 - 24" S&F HDWL.
	APPR. LT. & RT. 280+00 (BATES VICKERS RD.)																																	
R428	047+00		28.6	M			173																	2					39	32		346		2 - 30" P.C. HDWL'S.
	APPR. LT. 339+00 (EXIST. KY 30 CONN. 1)																																	
R429	047+40	11° RT	40.8	M																									46	54				6'X6' RCBC - SEE STRUCTURE PLANS
	APPR. LT. & RT. 379+15 (HICKORY FLAT RD.)																																	
R431	049+61		1.5	M	22														2										85					2-18" S&F BOX I/O
R432	050+39		1.5	M	22														2										90					2-18" S&F BOX I/O
	EXISTING KY 30 NO. 1(NEAR KY 1431 CONN. 3)																																	
R424	026+80	38° RT	2.1	M																									171	121				10'X5' RCBC - SEE STRUCTURE PLANS
	CREECH ROAD (LT. STA 358+32)																																	
R442	49+70	03° RT	4.3	M	48																	2							8	12		66		2 - 18" S&F HDWL'S.
	EXISTING KY 30 NO. 2 (RT. 537+87)																																	
R443	51+05	12° LT	3.2	M					52																	2			88					2 - 42" P.C. HDWL'S.
	EXISTING KY 1071 (LT. 430+73)																																	
R444	048+76	02° RT	6.1	M		39														1			1						25			70		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
	EXISTING KY 1071 (RT. 430+43)																																	
R445	050+88	01° RT	7.2	M		48														1			1						34			86		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
	APPR. LT. STA. 48+26.45 (JACKSON DR.)																																	
R11	(OFF OF WOODLAND DR.)		1	M	68																													SEE PLAN SHEET R11 FOR CONST. NOTES
	ENTRANCES											38	259	349	61	190	52							2		2								
	TOTAL JACKSON COUNTY				927	1,870	1,869	79	464	380	1,804	38	259	376	61	190	52	1	5	7	1	7	15	14	1	10	4	6	5,776 ①	2,327 ①	35 ①	16,265 ①		

① QUANTITY CARRIED ON GENERAL SUMMARY

PIPE DRAINAGE SUMMARY

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SUMMARY JACKSON COUNTY

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R20

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	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	ENTR PIPE 12 IN	ENTR PIPE 15 IN	ENTR PIPE 18 IN	ENTR PIPE 24 IN	ENTR PIPE 30 IN	ENTR PIPE 42 IN	DBI DBI TYPE 5D	SAFETY INLETS S & F BOX INLET OUTLET - 18 IN	SAFETY INLETS S & F BOX INLET OUTLET - 24 IN	SAFETY INLETS S & F BOX INLET OUTLET - 36 IN	PC HDWL 18 IN	PC HDWL 24 IN	PC HDWL 30 IN	PC HDWL 36 IN	PC HDWL 42 IN	PC HDWL 48 IN	PC HDWL 54 IN	MISC ROADWAY EXCAVATION	MISC CHANNEL LINING CLASS IV	MISC CONCRETE-CLASS B	MISC GEOTEXTILE FABRIC TY. IV FOR PIPE		REMARKS
ITEM CODE					00462	00464	00466	00468	00469	00470	00471	00439	00440	00441	00443	00445	24561EN	01511	01450	01451	01453	01204	01208	01210	01212	01214	01216	24026EC	02200	02488	02555	02600		
UNIT TO BID			FT		LF													EACH											CUYD			SQYD		
	MAINLINE																																	
R374	095+50		4.1	M				79													1				1					13				1-36" P.C. HDWL. AND 1-36" S&F BOX I/O
R375	121+95	25° LT	20.8	M																									129	28				6'X5' RCBC - SEE STRUCTURE PLANS
R377	155+00		30.4	M			222																	2					33	13		444		2 - 30" P.C. HDWL'S.
R378	159+39	25° RT	45.8	M			280																	2					34	21		560		2 - 30" P.C. HDWL'S.
R379	173+80	20° RT	35.4	M		482																	2						68	17		857		2 - 24" S&F HDWL'S.
R380	189+72	15° RT	73.1	M							573																	2	178	59		2,040		54" PIPE W/2 - 54" P.C. HDWL'S.
R381	208+83	08° LT	6.6	M																									2,186	1,168				DBL 14'X7' RCBC - SEE STRUCTURE PLANS
R383	227+75	30° RT	12.2	M		250														1			1						13	56		445		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R384	251+54	19° LT	61.3	M			424																	2					89	14		848		2 - 30" P.C. HDWL'S.
R385	253+90	25° RT	48.5	M		405																	2						84	20		720		2 - 24" S&F HDWL'S.
R386	258+30	30° LT	36.3	M	291																	2							55	12		453		2 - 18" S&F HDWL'S.
R387	260+62	15° RT	34.6	M	266																	2							42	25		414		2 - 18" S&F HDWL'S.
R388	274+92	44° LT	62.9	M							585																	2	671	55		2,015		54" PIPE W/2 - 54" P.C. HDWL'S.
R389	286+92	15° RT	56.1	M			457																	2					153	25		820		2 - 30" P.C. HDWL'S.
R390	296+95	47° RT	68.1	M							646																	2	149	138		2,300		54" PIPE W/2 - 54" P.C. HDWL'S.
R391	305+67	05° RT	13.9	M	210									27				1	1			1							61	23		327		1 - 18" S&F HDWL., 1 -18" S&F BOX I/O, 1 DBI TY 5D
R392	333+55	40° RT	32.2	M					276																	2			77	25		675		42" RCP PIPE W/2 - 42" P.C. HDWL'S.
R393	382+00		6.3	M		85														2									131	7		152		2 - 24" S&F BOX I/O
R394	386+55	23° RT	48.6	M						312																	2		258	46		832		48" RCP W/2 - 48" P.C. HDWL'S.
R395	394+74	36° LT	41.8	M			313																	2					74	45		626		2 - 30" P.C. HDWL'S.
R396	406+95	23° LT	35	M		201																	2						110	76	35	358		2 - 24" S&F HDWL'S., GROUTED CL. IV CHANNEL LIN.
R397	418+10	05° LT	29	M		220																	4						34	18		319		4 - 24" S&F HDWL'S.
	APPR. RT. 108+10 (US 421 CONN.)																																	
R419	060+70		3.2	M																									184					12'X5' RCBC - SEE STRUCTURE PLANS
	APPR. LT. 120+25 (KY 1431 CONN. 1 AND ENTR. LT.)																																	
R421	046+00		10	M		80														1			1						36	10		143		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R422	048+80	15° LT	9.5	M						68																	2		122	97		182		2 - 48" P.C. HDWL'S.
	APPR. LT. 129+27 (WOODLAND DR.)																																	
R423	049+28	05° LT	5.1	M					61																	2			97	46				2 - 42" P.C. HDWL'S.
	APPR. LT. & RT. 209+75 (KY 1431 CONN. 3)																																	
R426	48+50		5.8	M					75																	2			94	45		167		2 - 42" P.C. HDWL'S.
R427	052+00		4.9	M		60														1			1						28	6				1 - 24" S&F BOX I/O AND 1 - 24" S&F HDWL.
	APPR. LT. & RT. 280+00 (BATES VICKERS RD.)																																	
R428	047+00		28.6	M			173																	2					39	32		346		2 - 30" P.C. HDWL'S.
	APPR. LT. 339+00 (EXIST. KY 30 CONN. 1)																																	
R429	047+40	11° RT	40.8	M																									46	54				6'X6' RCBC - SEE STRUCTURE PLANS
	APPR. LT. & RT. 379+15 (HICKORY FLAT RD.)																																	
R431	049+61		1.5	M	22														2										85					2-18" S&F BOX I/O
R432	050+39		1.5	M	22														2										90					2-18" S&F BOX I/O
	EXISTING KY 30 NO. 1(NEAR KY 1431 CONN. 3)																																	
R424	026+80	38° RT	2.1	M																									171	121				10'X5' RCBC - SEE STRUCTURE PLANS
	CREECH ROAD (LT. STA 358+32)																																	
R442	49+70	03° RT	4.3	M	48																	2							8	12		66		2 - 18" S&F HDWL'S.
	EXISTING KY 30 NO. 2 (RT. 537+87)																																	
R443	51+05	12° LT	3.2	M					52																	2			88					2 - 42" P.C. HDWL'S.
	EXISTING KY 1071 (LT. 430+73)																																	
R444	048+76	02° RT	6.1	M		39														1			1						25			70		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
	EXISTING KY 1071 (RT. 430+43)																																	
R445	050+88	01° RT	7.2	M		48														1			1						34			86		1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
	APPR. LT. STA. 48+26.45 (JACKSON DR.)																																	
R11	(OFF OF WOODLAND DR.)	1	M		68																													SEE PLAN SHEET R11 FOR CONST. NOTES
	ENTRANCES											38	259	349	61	190	52							2		2								
	TOTAL JACKSON COUNTY				927	1,870	1,869	79	464	380	1,804	38	259	376	61	190	52	1	5	7	1	7	15	14	1	10	4	6	5,776	2,327	35	16,265		
																													①	①	①	①		

① QUANTITY CARRIED ON GENERAL SUMMARY

PIPE DRAINAGE SUMMARY

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SUMMARY OWSLEY COUNTY

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R2p

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	CULVERT PIPE 18 IN	CULVERT PIPE 24 IN	CULVERT PIPE 30 IN	CULVERT PIPE 36 IN	CULVERT PIPE 42 IN	CULVERT PIPE 48 IN	ENTR PIPE 15 IN	ENTR PIPE 18 IN	DBI DBI TYPE 5D	SAFETY INLETS S & F BOX INLET OUTLET - 18 IN	SAFETY INLETS S & F BOX INLET OUTLET - 24 IN	SAFETY INLETS S & F BOX INLET OUTLET - 30 IN	PC HDWL 15 IN	PC HDWL 18 IN	PC HDWL 24 IN	PC HDWL 30 IN	PC HDWL 36 IN	PC HDWL 42 IN	PC HDWL 48 IN	MISC ROADWAY EXCAVATION	MISC CHANNEL LINING CLASS IV	MISC CONCRETE-CLASS B	MISC GEOTEXTILE FABRIC TY. IV FOR PIPE	REMARKS
ITEM CODE					00462	00464	00466	00468	00469	00470	00440	00441	01511	01450	01451	01452	01202	01204	01208	01210	01212	01214	01216	02200	02488	02555	02600	
UNIT TO BID			FT		LF								EACH											CUYD			SQYD	
	MAINLINE																											
R398	444+45	51° RT	57.2	M																				59	110			6'X6' RCBC - SEE STRUCTURE PLANS
R401	453+00		2.5	M	58									2										34	3			2 - 18" S&F BOX I/O
R402	458+79		30.2	M		209													2					18	13		372	2 - 24" S&F HDWL'S.
R403	474+39	45° LT	56.3	M					463													2		272	83		1,132	2 - 42" P.C. HDWL'S.
R404	489+86	40° LT	36.9	M				267													2			52	41		595	2 - 36" P.C. HDWL'S.
R405	498+48	06° LT	19.5	M		134									1				1					23	15		239	1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R406	503+50		27	M		149													2					6	28		534	2 - 24" S&F HDWL'S.
R407	508+00		49	M					303													2		103	103		1,560	2 - 42" P.C. HDWL'S.
R408	515+10	21° RT	40	M			276													2				1	52		1,181	2 - 30" P.C. HDWL'S.
R409	524+50		26	M		197													2					6	14		704	2 - 24" S&F HDWL'S.
R410	541+70	30° RT	38	M				239													2			6	19	2	1,182	2 - 36" P.C. HDWL'S, GROUTED CL. III CHANNEL LIN.
R411	555+40	45° LT	35	M																					392	8		8'X7' RCBC - SEE STRUCTURE PLANS
R413	562+90	35° RT	32	M				225													2			1,054	86	8	1,113	2 - 36" P.C. HDWL'S., GROUTED CL. III CHANNEL LIN.
R414	579+50		45	M				283													2			33	117		1,399	2 - 36" P.C. HDWL'S.
R415	586+50		10	M			84									1				1					5		355	1 - 30" P.C. HDWL., 1 - 30" S&F BOX I/O
R416	594+50		7.1	M	54								1					1						16	99	10	159	1 - DBI TY 5D, 1 - 18" S&F HDWL., GROUTED CH.
R417	595+00		32	M																					327	20		8'X6' RCBC - SEE STRUCTURE PLANS
	APPR. LT. & RT. 462+00 (STURGEON CRK. RD. LT / EXIST KY 30 CONN. 3 RT.)																											
R433	46+50		8.4	M	112													2						19	7		175	2 - 18" S&F HDWL'S.
R434	55+95		4.5	M			52													2				35	42			1 - 30" P.C. HDWL., 1 STANDARD HDWL.
	APPR. RT. 52+00 (EXIST. KY 30 CONN. 4)																											
R435	55+50		7.3	M		96													2					23	14		171	2 - 24" S&F HDWL'S.
	APPR. LT. & RT. 513+50 (CANDY BRANCH RD.)																											
R436	41+40		5.6	M	63													2									186	2 - 18" S&P HDWL'S.
R437	46+00		15	M		150													2					1	4		538	2 - 24" S&F HDWL'S.
R438	54+25		21	M			111													2				1	20		475	2 - 30" P.C. HDWL'S.
	APPR. LT. 549+00 (BARRETT RD.)																											
R439	49+07.5	07° LT	31	M						174													2				1,009	2 - 48" P.C. HDWL'S.
	APPR. RT. 596+00 (BOTNER RD.)																											
R440	48+50		2.1	M	42													2							44	4		2 - 18" S&P HDWL'S., GROUTED CL. IV CHANNEL LIN.
R441	57+50		3.1	M	48													2										2 - 18" S&P HDWL'S.
	ENTRANCES										101	118					8											
	MOT										50	37																
	TOTAL OWSLEY COUNTY				377	935	523	1,014	766	174	151	155	1	2	1	1	8	9	11	7	8	4	2	1,762 (1)	1,638 (1)	52 (1)	13,079 (1)	

(1) QUANTITY CARRIED ON GENERAL SUMMARY

PIPE DRAINAGE SUMMARY

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SUMMARY OWSLEY COUNTY

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R2p

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	CULVERT PIPE 18 IN	CULVERT PIPE 24 IN	CULVERT PIPE 30 IN	CULVERT PIPE 36 IN	CULVERT PIPE 42 IN	CULVERT PIPE 48 IN	ENTR PIPE 15 IN	ENTR PIPE 18 IN	DBI DBI TYPE 5D	SAFETY INLETS S & F BOX INLET OUTLET - 18 IN	SAFETY INLETS S & F BOX INLET OUTLET - 24 IN	SAFETY INLETS S & F BOX INLET OUTLET - 30 IN	PC HDWL 15 IN	PC HDWL 18 IN	PC HDWL 24 IN	PC HDWL 30 IN	PC HDWL 36 IN	PC HDWL 42 IN	PC HDWL 48 IN	MISC ROADWAY EXCAVATION	MISC CHANNEL LINING CLASS IV	MISC CONCRETE-CLASS B	MISC GEOTEXTILE FABRIC TY. IV FOR PIPE	REMARKS
ITEM CODE					00462	00464	00466	00468	00469	00470	00440	00441	01511	01450	01451	01452	01202	01204	01208	01210	01212	01214	01216	02200	02488	02555	02600	
UNIT TO BID			FT		LF								EACH											CUYD			SQYD	
	MAINLINE																											
R398	444+45	51° RT	57.2	M																				59	110			6'X6' RCBC - SEE STRUCTURE PLANS
R401	453+00		2.5	M	58									2										34	3			2 - 18" S&F BOX I/O
R402	458+79		30.2	M		209													2					18	13		372	2 - 24" S&F HDWL'S.
R403	474+39	45° LT	56.3	M					463													2		272	83		1,132	2 - 42" P.C. HDWL'S.
R404	489+86	40° LT	36.9	M				267													2			52	41		595	2 - 36" P.C. HDWL'S.
R405	498+48	06° LT	19.5	M		134									1				1					23	15		239	1 - 24" S&F HDWL. AND 1 - 24" S&F BOX I/O
R406	503+50		27	M		149													2					6	28		534	2 - 24" S&F HDWL'S.
R407	508+00		49	M					303													2		103	103		1,560	2 - 42" P.C. HDWL'S.
R408	515+10	21° RT	40	M			276													2				1	52		1,181	2 - 30" P.C. HDWL'S.
R409	524+50		26	M		197													2					6	14		704	2 - 24" S&F HDWL'S.
R410	541+70	30° RT	38	M				239													2			6	19	2	1,182	2 - 36" P.C. HDWL'S, GROUTED CL. III CHANNEL LIN.
R411	555+40	45° LT	35	M																					392	8		8'X7' RCBC - SEE STRUCTURE PLANS
R413	562+90	35° RT	32	M				225													2			1,054	86	8	1,113	2 - 36" P.C. HDWL'S., GROUTED CL. III CHANNEL LIN.
R414	579+50		45	M				283													2			33	117		1,399	2 - 36" P.C. HDWL'S.
R415	586+50		10	M			84									1				1					5		355	1 - 30" P.C. HDWL., 1 - 30" S&F BOX I/O
R416	594+50		7.1	M	54								1					1						16	99	10	159	1 - DBI TY 5D, 1 - 18" S&F HDWL., GROUTED CH.
R417	595+00		32	M																					327	20		8'X6' RCBC - SEE STRUCTURE PLANS
	APPR. LT. & RT. 462+00 (STURGEON CRK. RD. LT / EXIST KY 30 CONN. 3 RT.)																											
R433	46+50		8.4	M	112													2						19	7		175	2 - 18" S&F HDWL'S.
R434	55+95		4.5	M			52													2				35	42			1 - 30" P.C. HDWL., 1 STANDARD HDWL.
	APPR. RT. 52+00 (EXIST. KY 30 CONN. 4)																											
R435	55+50		7.3	M		96													2					23	14		171	2 - 24" S&F HDWL'S.
	APPR. LT. & RT. 513+50 (CANDY BRANCH RD.)																											
R436	41+40		5.6	M	63													2									186	2 - 18" S&P HDWL'S.
R437	46+00		15	M		150													2					1	4		538	2 - 24" S&F HDWL'S.
R438	54+25		21	M			111													2				1	20		475	2 - 30" P.C. HDWL'S.
	APPR. LT. 549+00 (BARRETT RD.)																											
R439	49+07.5	07° LT	31	M						174													2				1,009	2 - 48" P.C. HDWL'S.
	APPR. RT. 596+00 (BOTNER RD.)																											
R440	48+50		2.1	M	42													2							44	4		2 - 18" S&P HDWL'S., GROUTED CL. IV CHANNEL LIN.
R441	57+50		3.1	M	48													2										2 - 18" S&P HDWL'S.
	ENTRANCES										101	118					8											
	MOT										50	37																
	TOTAL OWSLEY COUNTY				377	935	523	1,014	766	174	151	155	1	2	1	1	8	9	11	7	8	4	2	1,762 (1)	1,638 (1)	52 (1)	13,079 (1)	

(1) QUANTITY CARRIED ON GENERAL SUMMARY

PIPE DRAINAGE SUMMARY

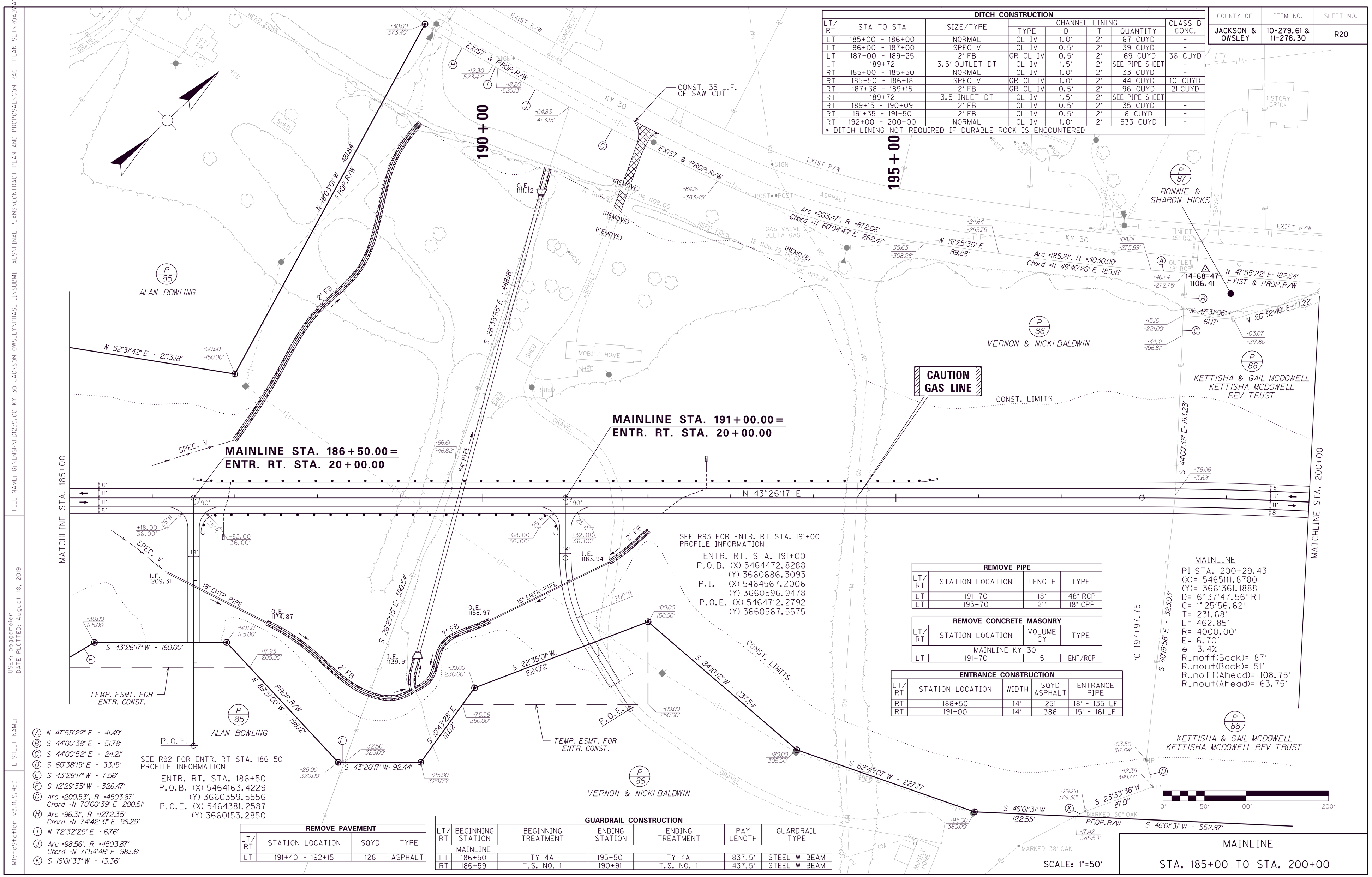
FILE NAME: G:\ENGR\HDI239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R20

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	185+00 - 186+00	NORMAL	CL IV	1.0'	2'	67 CUYD	-
LT	186+00 - 187+00	SPEC V	CL IV	0.5'	2'	39 CUYD	-
LT	187+00 - 189+25	2' FB	GR CL IV	0.5'	2'	169 CUYD	36 CUYD
LT	189+72	3.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	185+00 - 185+50	NORMAL	CL IV	1.0'	2'	33 CUYD	-
RT	185+50 - 186+18	SPEC V	GR CL IV	1.0'	2'	44 CUYD	10 CUYD
RT	187+38 - 189+15	2' FB	GR CL IV	0.5'	2'	96 CUYD	21 CUYD
RT	189+72	3.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	189+15 - 190+09	2' FB	CL IV	0.5'	2'	35 CUYD	-
RT	191+35 - 191+50	2' FB	CL IV	0.5'	2'	6 CUYD	-
RT	192+00 - 200+00	NORMAL	CL IV	1.0'	2'	533 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED



SEE R93 FOR ENTR. RT STA. 191+00 PROFILE INFORMATION

ENTR. RT. STA. 191+00
P.O.B. (X) 5464472.8288
(Y) 3660686.3093
P.I. (X) 5464567.2006
(Y) 3660596.9478
P.O.E. (X) 5464712.2792
(Y) 3660567.5575

SEE R92 FOR ENTR. RT STA. 186+50 PROFILE INFORMATION

ENTR. RT. STA. 186+50
P.O.B. (X) 5464163.4229
(Y) 3660359.5556
P.O.E. (X) 5464381.2587
(Y) 3660153.2850

MAINLINE
PI STA. 200+29.43
(X)= 5465111.8780
(Y)= 3661361.1888
D= 6°37'47.56" RT
C= 1°25'56.62"
T= 231.68'
L= 462.85'
R= 4000.00'
E= 6.70'
e= 3.4%
Runoff(Back)= 87'
Runout(Back)= 51'
Runoff(Ahead)= 108.75'
Runout(Ahead)= 63.75'

REMOVE PIPE

LT/RT	STATION LOCATION	LENGTH	TYPE
LT	191+70	18'	48" RCP
LT	193+70	21'	18" CPP

REMOVE CONCRETE MASONRY

LT/RT	STATION LOCATION	VOLUME CY	TYPE
MAINLINE KY 30			
LT	191+70	5	ENT/RCP

ENTRANCE CONSTRUCTION

LT/RT	STATION LOCATION	WIDTH	SQYD ASPHALT	ENTRANCE PIPE
RT	186+50	14'	251	18" - 135 LF
RT	191+00	14'	386	15" - 161 LF

REMOVE PAVEMENT

LT/RT	STATION LOCATION	SQYD	TYPE
LT	191+40 - 192+15	128	ASPHALT

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	186+50	TY 4A	195+50	TY 4A	837.5'	STEEL W BEAM
RT	186+59	T.S. NO. 1	190+91	T.S. NO. 1	437.5'	STEEL W BEAM

Ⓐ N 47°55'22" E - 41.49'
Ⓑ S 44°00'38" E - 51.78'
Ⓒ S 44°00'52" E - 24.21'
Ⓓ S 60°38'15" E - 33.15'
Ⓔ S 43°26'17" W - 7.56'
Ⓕ S 12°29'35" W - 326.47'
Ⓖ Arc =200.53', R =4503.87'
Chord =N 70°00'39" E 200.51'
Ⓗ Arc =96.31', R =1272.35'
Chord =N 74°42'31" E 96.29'
Ⓘ N 72°32'25" E - 6.76'
Ⓙ Arc =98.56', R =4503.87'
Chord =N 71°54'48" E 98.56'
Ⓚ S 16°01'33" W - 13.36'

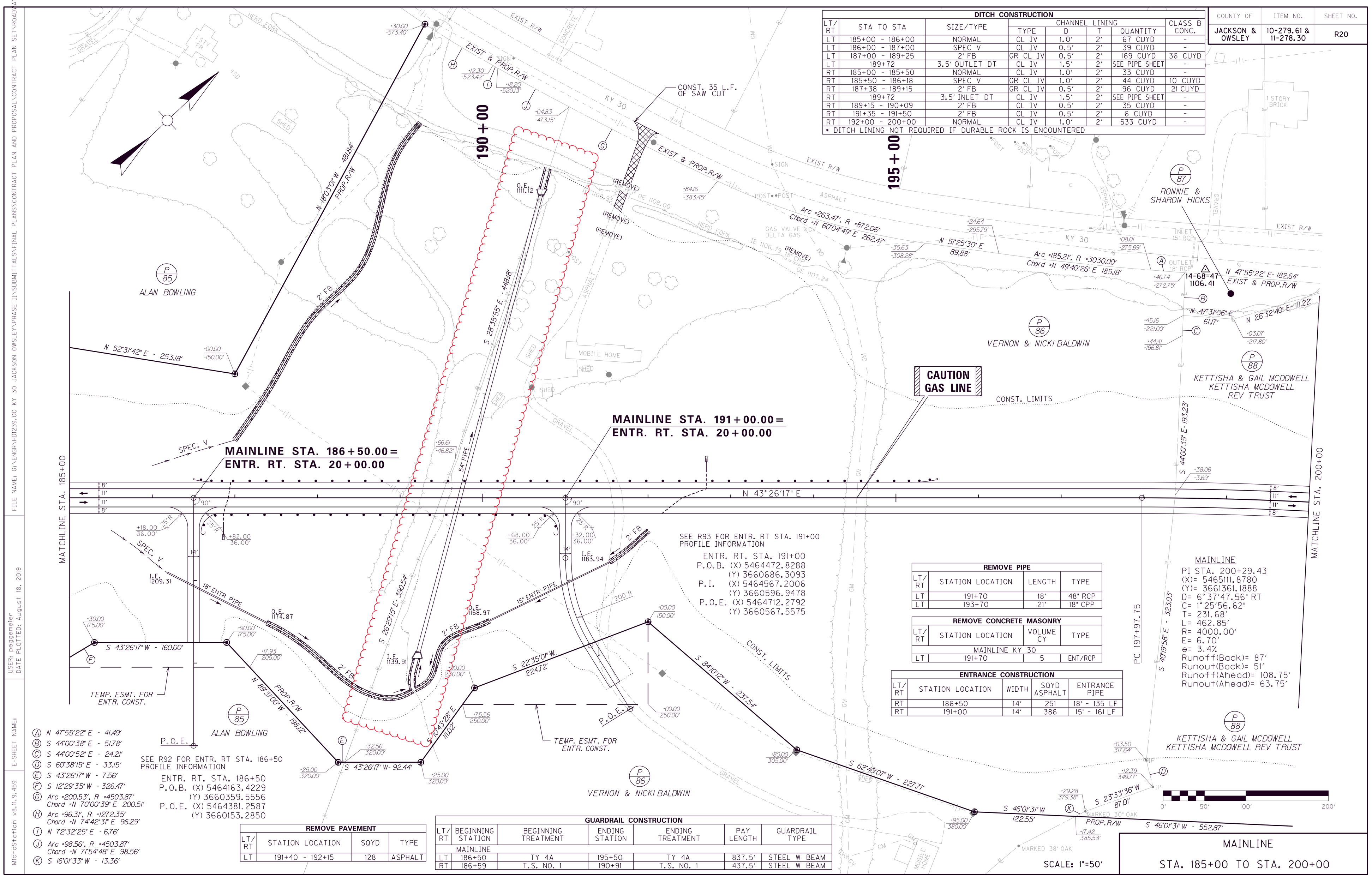
SCALE: 1"=50'

MAINLINE

STA. 185+00 TO STA. 200+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R20



SEE R93 FOR ENTR. RT STA. 191+00 PROFILE INFORMATION

ENTR. RT. STA. 191+00
P.O.B. (X) 5464472.8288
(Y) 3660686.3093
P.I. (X) 5464567.2006
(Y) 3660596.9478
P.O.E. (X) 5464712.2792
(Y) 3660567.5575

SEE R92 FOR ENTR. RT STA. 186+50 PROFILE INFORMATION

ENTR. RT. STA. 186+50
P.O.B. (X) 5464163.4229
(Y) 3660359.5556
P.O.E. (X) 5464381.2587
(Y) 3660153.2850

MAINLINE
PI STA. 200+29.43
(X)= 5465111.8780
(Y)= 3661361.1888
D= 6°37'47.56" RT
C= 1°25'56.62"
T= 231.68'
L= 462.85'
R= 4000.00'
E= 6.70'
e= 3.4%
Runoff(Back)= 87'
Runout(Back)= 51'
Runoff(Ahead)= 108.75'
Runout(Ahead)= 63.75'

Ⓐ N 47°55'22" E - 41.49'
Ⓑ S 44°00'38" E - 51.78'
Ⓒ S 44°00'52" E - 24.21'
Ⓓ S 60°38'15" E - 33.15'
Ⓔ S 43°26'17" W - 7.56'
Ⓕ S 12°29'35" W - 326.47'
Ⓖ Arc =200.53', R =4503.87'
Chord =N 70°00'39" E 200.51'
Ⓗ Arc =96.31', R =1272.35'
Chord =N 74°42'31" E 96.29'
Ⓘ N 72°32'25" E - 6.76'
Ⓙ Arc =98.56', R =4503.87'
Chord =N 71°54'48" E 98.56'
Ⓚ S 16°01'33" W - 13.36'

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	185+00 - 186+00	NORMAL	CL IV	1.0'	2'	67 CUYD	-
LT	186+00 - 187+00	SPEC V	CL IV	0.5'	2'	39 CUYD	-
LT	187+00 - 189+25	2' FB	GR CL IV	0.5'	2'	169 CUYD	36 CUYD
LT	189+72	3.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	185+00 - 185+50	NORMAL	CL IV	1.0'	2'	33 CUYD	-
RT	185+50 - 186+18	SPEC V	GR CL IV	1.0'	2'	44 CUYD	10 CUYD
RT	187+38 - 189+15	2' FB	GR CL IV	0.5'	2'	96 CUYD	21 CUYD
RT	189+72	3.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	189+15 - 190+09	2' FB	CL IV	0.5'	2'	35 CUYD	-
RT	191+35 - 191+50	2' FB	CL IV	0.5'	2'	6 CUYD	-
RT	192+00 - 200+00	NORMAL	CL IV	1.0'	2'	533 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

REMOVE PIPE

LT/RT	STATION LOCATION	LENGTH	TYPE
LT	191+70	18'	48" RCP
LT	193+70	21'	18" CPP

REMOVE CONCRETE MASONRY

LT/RT	STATION LOCATION	VOLUME CY	TYPE
MAINLINE KY 30			
LT	191+70	5	ENT/RCP

ENTRANCE CONSTRUCTION

LT/RT	STATION LOCATION	WIDTH	SQYD ASPHALT	ENTRANCE PIPE
RT	186+50	14'	251	18" - 135 LF
RT	191+00	14'	386	15" - 161 LF

REMOVE PAVEMENT

LT/RT	STATION LOCATION	SQYD	TYPE
LT	191+40 - 192+15	128	ASPHALT

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	186+50	TY 4A	195+50	TY 4A	837.5'	STEEL W BEAM
RT	186+59	T.S. NO. 1	190+91	T.S. NO. 1	437.5'	STEEL W BEAM

SCALE: 1"=50'

MAINLINE

STA. 185+00 TO STA. 200+00

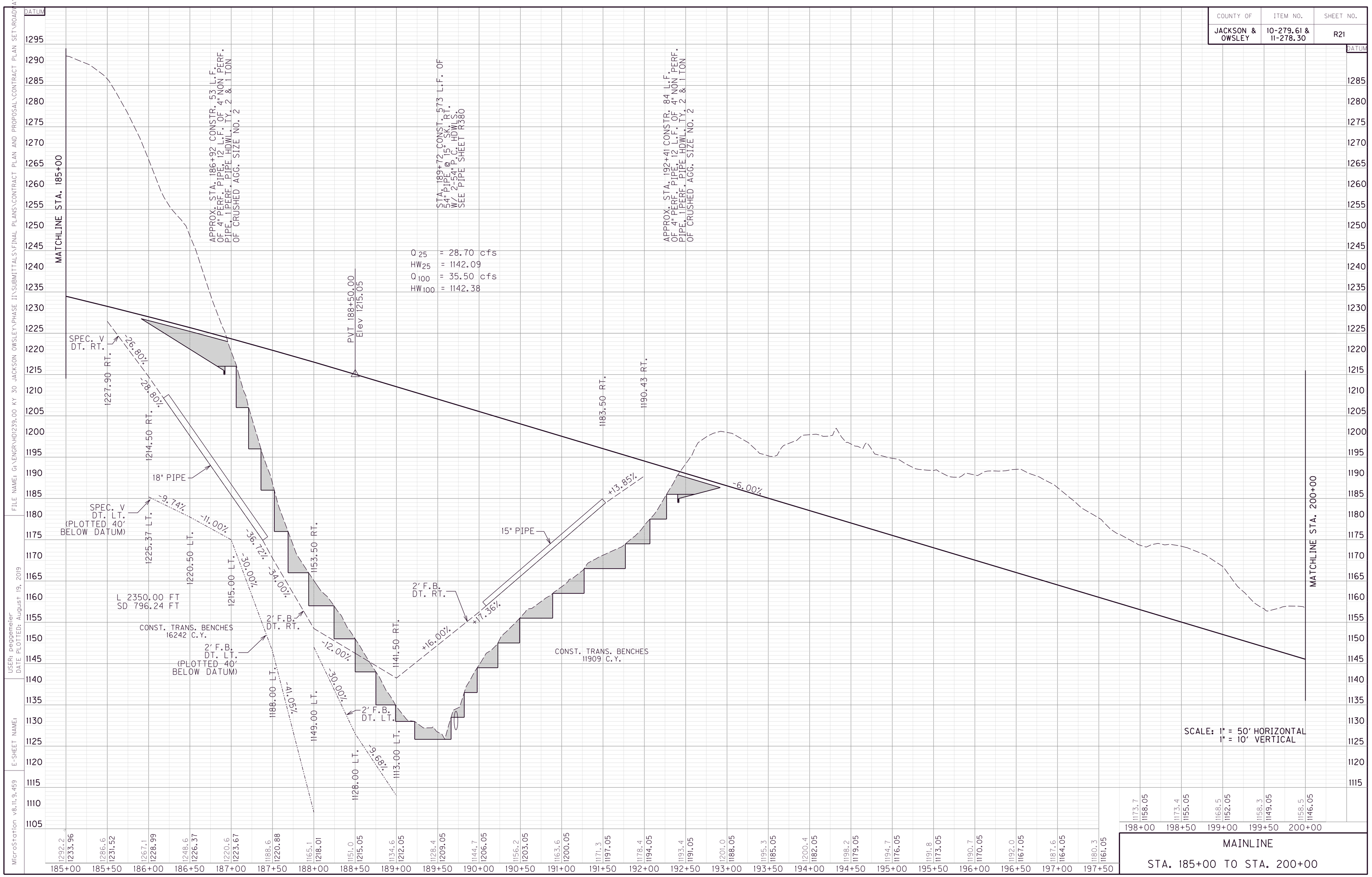
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R21



MAINLINE

STA. 185+00 TO STA. 200+00

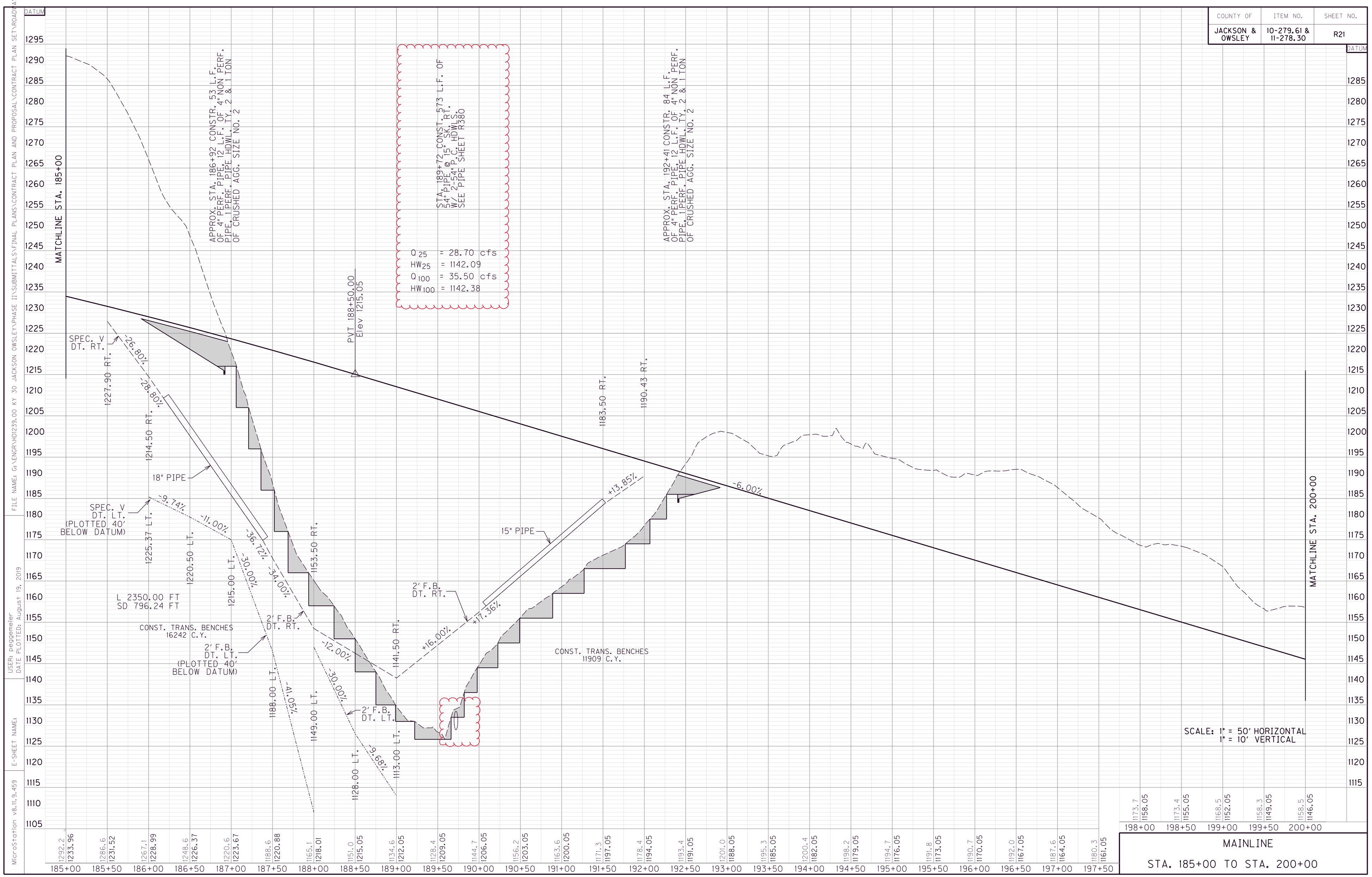
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 19, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R21



MAINLINE

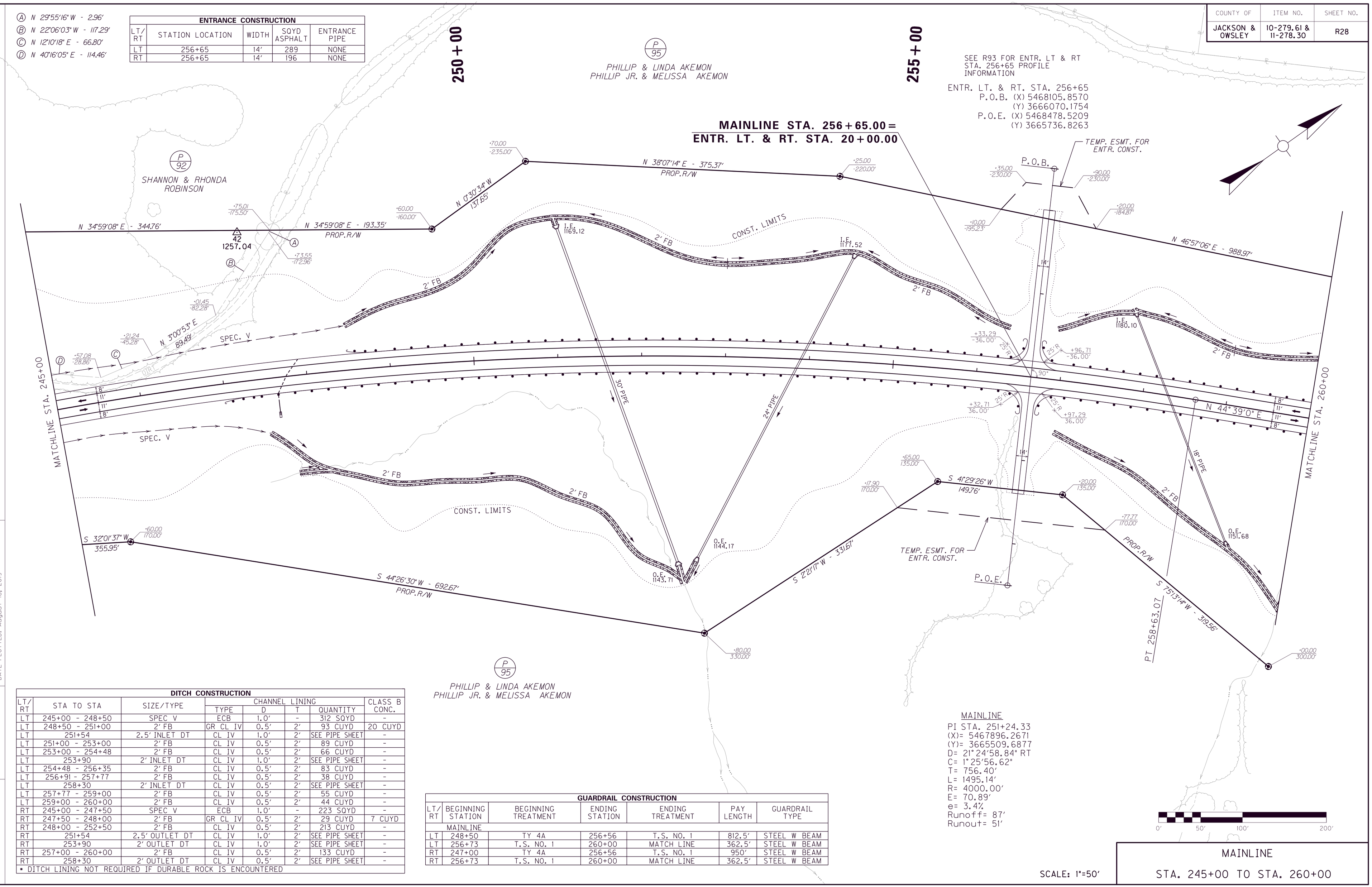
STA. 185+00 TO STA. 200+00

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R28

Ⓐ N 29°55'16" W - 2.96'
Ⓑ N 22°06'03" W - 117.29'
Ⓒ N 12°10'18" E - 66.80'
Ⓓ N 40°16'05" E - 114.46'

ENTRANCE CONSTRUCTION

LT/RT	STATION LOCATION	WIDTH	SOYD ASPHALT	ENTRANCE PIPE
LT	256+65	14'	289	NONE
RT	256+65	14'	196	NONE



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	245+00 - 248+50	SPEC V	ECB	1.0'	-	312 SQYD	-
LT	248+50 - 251+00	2' FB	GR CL IV	0.5'	2'	93 CUYD	20 CUYD
LT	251+54	2.5' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	251+00 - 253+00	2' FB	CL IV	0.5'	2'	89 CUYD	-
LT	253+00 - 254+48	2' FB	CL IV	0.5'	2'	66 CUYD	-
LT	253+90	2' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	254+48 - 256+35	2' FB	CL IV	0.5'	2'	83 CUYD	-
LT	256+91 - 257+77	2' FB	CL IV	0.5'	2'	38 CUYD	-
LT	258+30	2' INLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
LT	257+77 - 259+00	2' FB	CL IV	0.5'	2'	55 CUYD	-
LT	259+00 - 260+00	2' FB	CL IV	0.5'	2'	44 CUYD	-
RT	245+00 - 247+50	SPEC V	ECB	1.0'	-	223 SQYD	-
RT	247+50 - 248+00	2' FB	GR CL IV	0.5'	2'	29 CUYD	7 CUYD
RT	248+00 - 252+50	2' FB	CL IV	0.5'	2'	213 CUYD	-
RT	251+54	2.5' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	253+90	2' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	257+00 - 260+00	2' FB	CL IV	0.5'	2'	133 CUYD	-
RT	258+30	2' OUTLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	248+50	TY 4A	256+56	T.S. NO. 1	812.5'	STEEL W BEAM
LT	256+73	T.S. NO. 1	260+00	MATCH LINE	362.5'	STEEL W BEAM
RT	247+00	TY 4A	256+56	T.S. NO. 1	950'	STEEL W BEAM
RT	256+73	T.S. NO. 1	260+00	MATCH LINE	362.5'	STEEL W BEAM

MAINLINE
PI STA. 251+24.33
(X)= 5467896.2671
(Y)= 3665509.6877
D= 21°24'58.84" RT
C= 1°25'56.62"
T= 756.40'
L= 1495.14'
R= 4000.00'
E= 70.89'
e= 3.4%
Runoff= 87'
Runout= 51'

SCALE: 1"=50'

MAINLINE
STA. 245+00 TO STA. 260+00

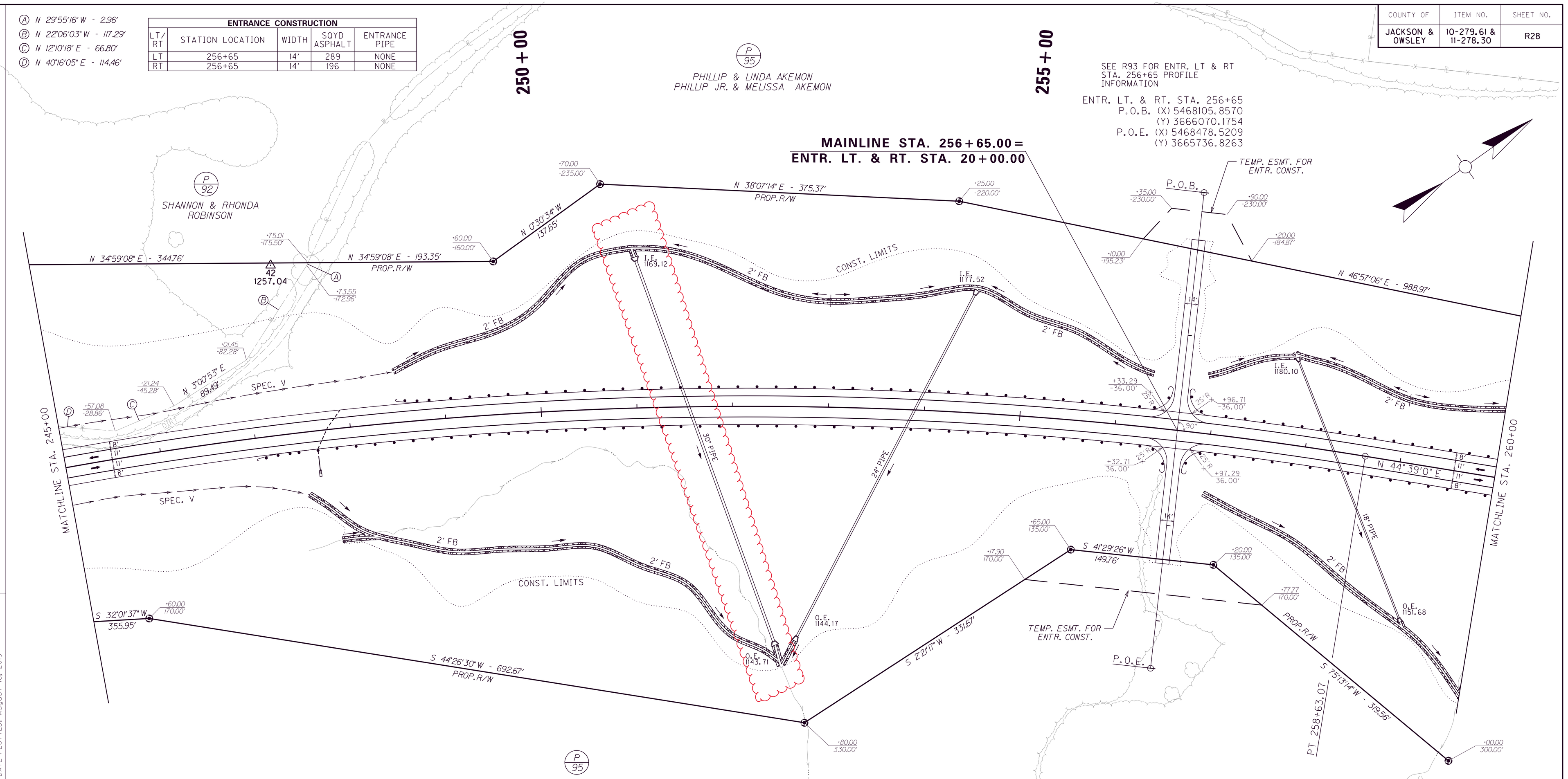
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R28

Ⓐ N 29°55'16" W - 2.96'
Ⓑ N 22°06'03" W - 117.29'
Ⓒ N 12°10'18" E - 66.80'
Ⓓ N 40°16'05" E - 114.46'

ENTRANCE CONSTRUCTION

LT/RT	STATION LOCATION	WIDTH	SQYD ASPHALT	ENTRANCE PIPE
LT	256+65	14'	289	NONE
RT	256+65	14'	196	NONE



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	245+00 - 248+50	SPEC V	ECB	1.0'	-	312 SQYD	-
LT	248+50 - 251+00	2' FB	GR CL IV	0.5'	2'	93 CUYD	20 CUYD
LT	251+54	2.5' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	251+00 - 253+00	2' FB	CL IV	0.5'	2'	89 CUYD	-
LT	253+00 - 254+48	2' FB	CL IV	0.5'	2'	66 CUYD	-
LT	253+90	2' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	254+48 - 256+35	2' FB	CL IV	0.5'	2'	83 CUYD	-
LT	256+91 - 257+77	2' FB	CL IV	0.5'	2'	38 CUYD	-
LT	258+30	2' INLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
LT	257+77 - 259+00	2' FB	CL IV	0.5'	2'	55 CUYD	-
LT	259+00 - 260+00	2' FB	CL IV	0.5'	2'	44 CUYD	-
RT	245+00 - 247+50	SPEC V	ECB	1.0'	-	223 SQYD	-
RT	247+50 - 248+00	2' FB	GR CL IV	0.5'	2'	29 CUYD	7 CUYD
RT	248+00 - 252+50	2' FB	CL IV	0.5'	2'	213 CUYD	-
RT	251+54	2.5' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	253+90	2' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	257+00 - 260+00	2' FB	CL IV	0.5'	2'	133 CUYD	-
RT	258+30	2' OUTLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	248+50	TY 4A	256+56	T.S. NO. 1	812.5'	STEEL W BEAM
LT	256+73	T.S. NO. 1	260+00	MATCH LINE	362.5'	STEEL W BEAM
RT	247+00	TY 4A	256+56	T.S. NO. 1	950'	STEEL W BEAM
RT	256+73	T.S. NO. 1	260+00	MATCH LINE	362.5'	STEEL W BEAM

MAINLINE
PI STA. 251+24.33
(X)= 5467896.2671
(Y)= 3665509.6877
D= 21°24'58.84" RT
C= 1°25'56.62"
T= 756.40'
L= 1495.14'
R= 4000.00'
E= 70.89'
e= 3.4%
Runoff= 87'
Runout= 51'

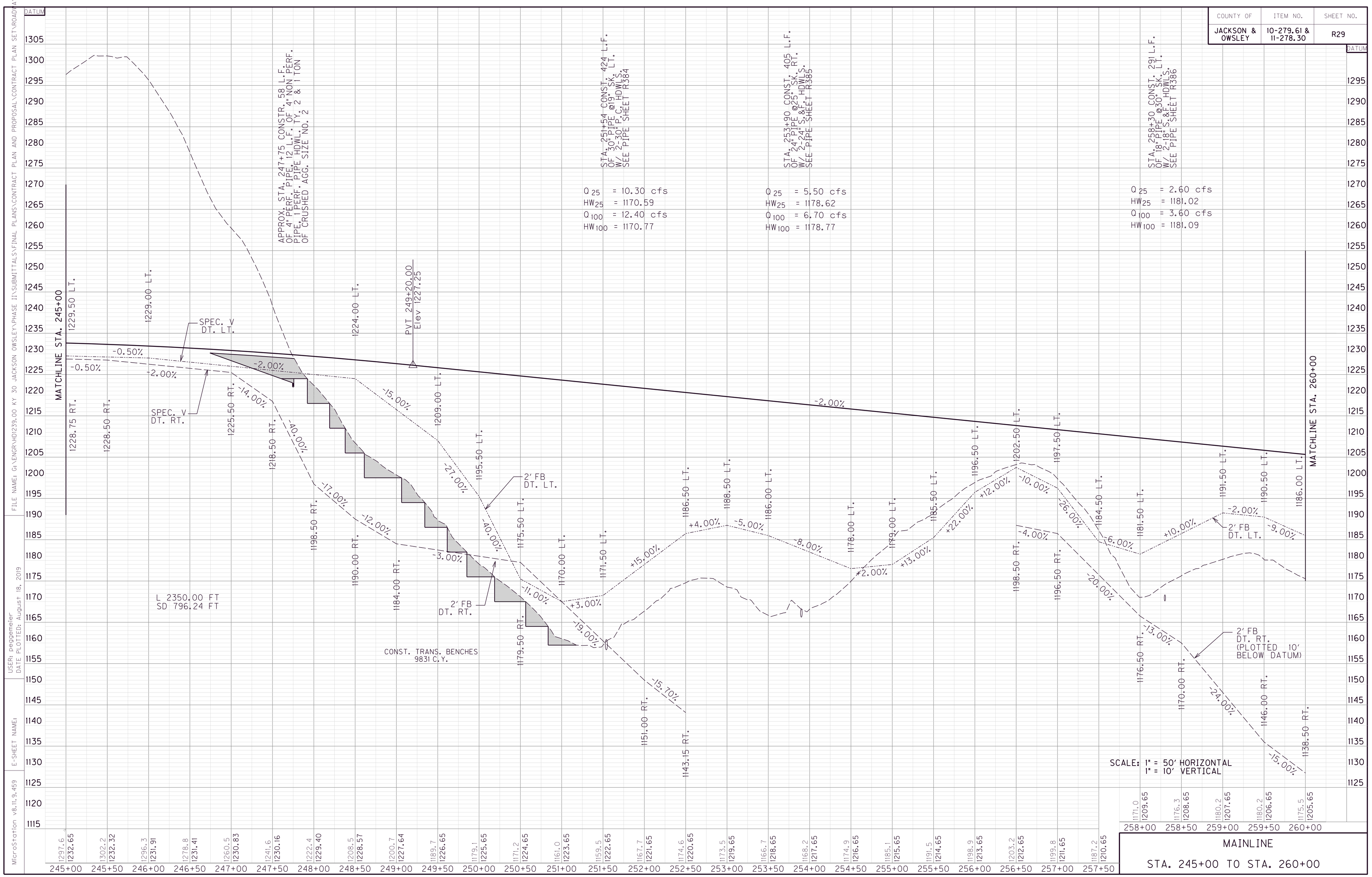
0' 50' 100' 200'

SCALE: 1"=50'

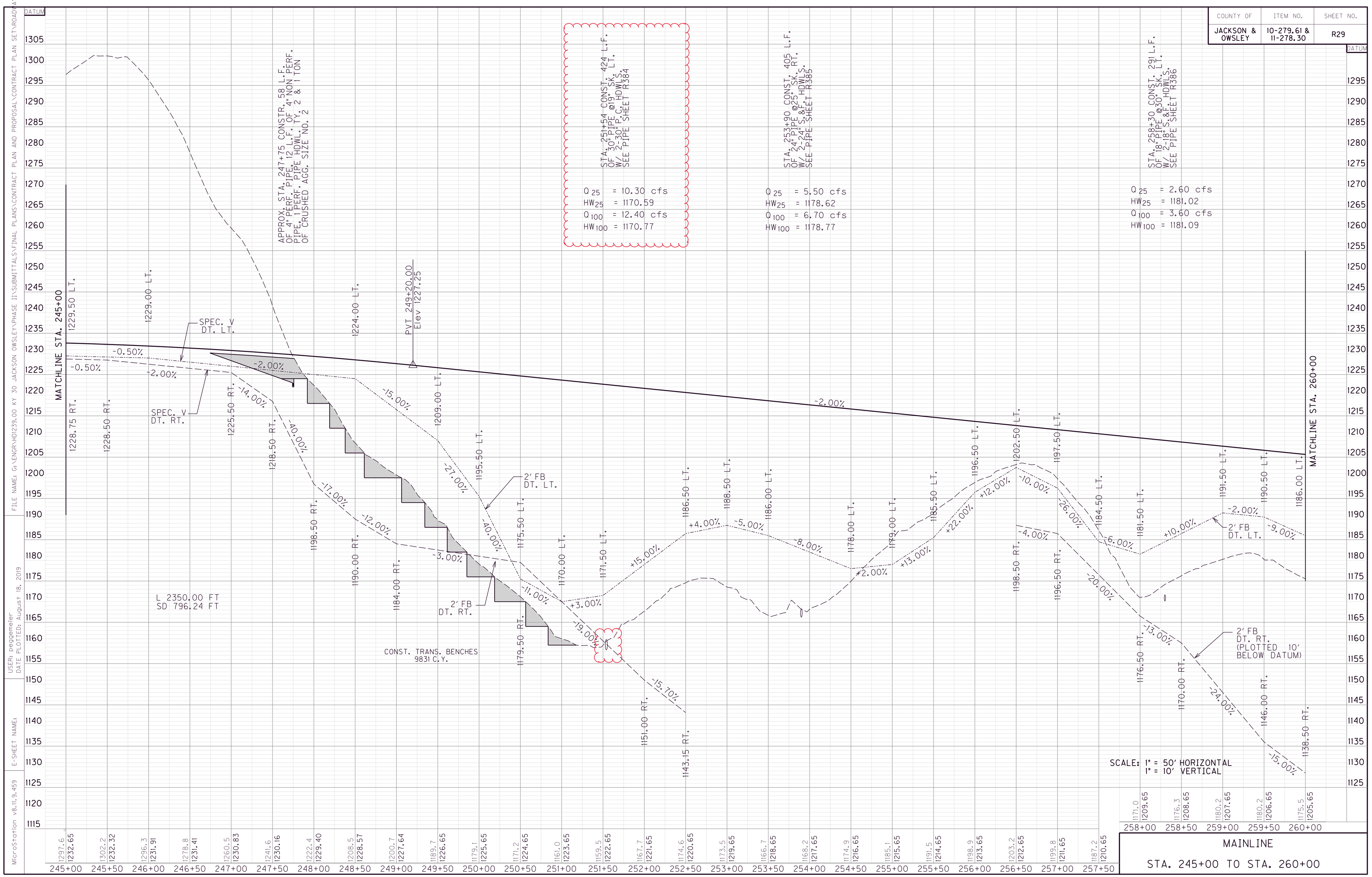
MAINLINE
STA. 245+00 TO STA. 260+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R29



COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R29



MAINLINE

STA. 245+00 TO STA. 260+00

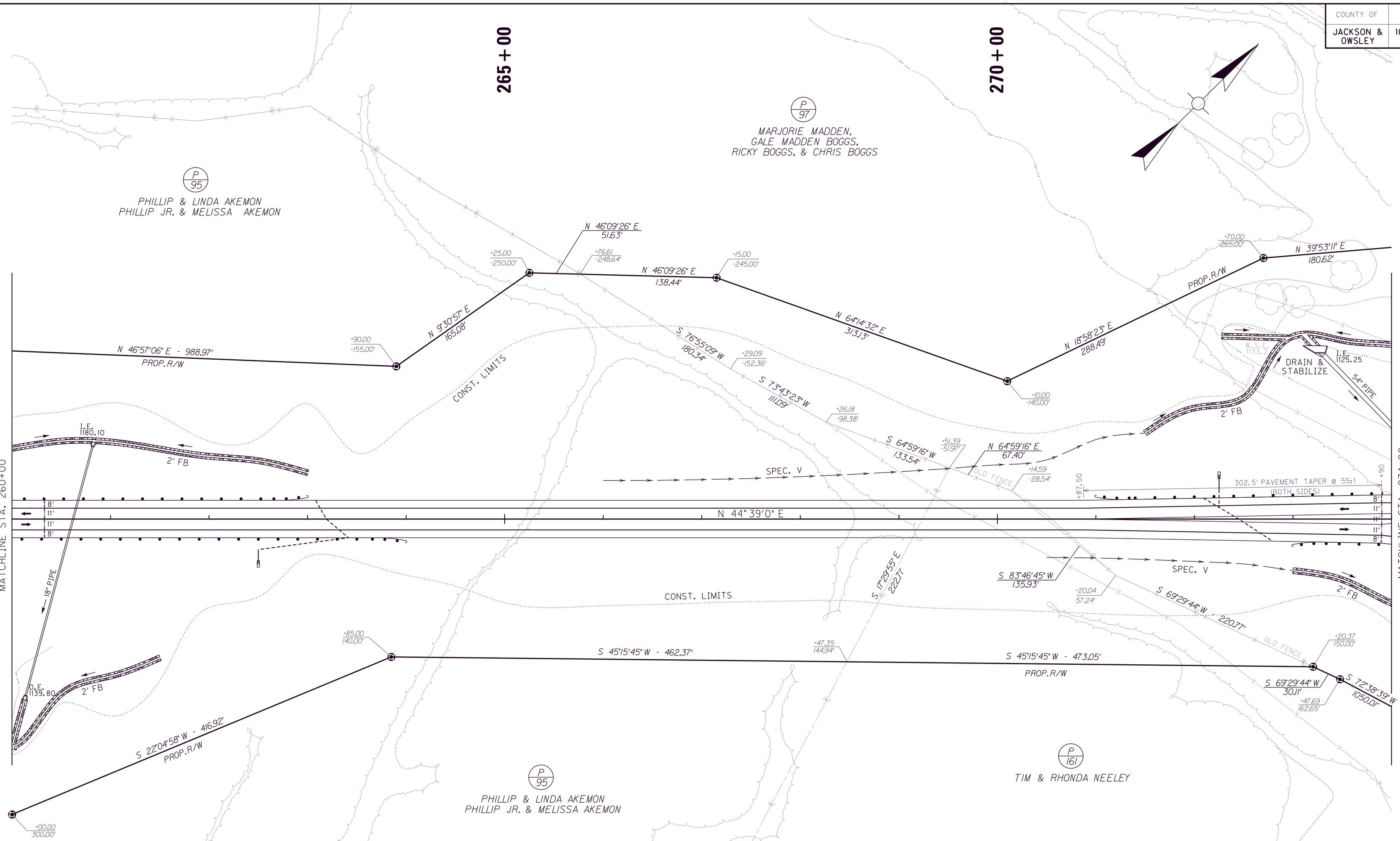
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R30



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	260+00 - 260+80	2' FB	CL IV	0.5'	2'	36 CUYD	-
LT	260+62	2' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	260+82 - 263+00	2' FB	CL IV	0.5'	2'	98 CUYD	-
LT	263+00 - 266+00	NORMAL	ECB	1.0'	-	267 SQYD	-
LT	266+00 - 270+50	SPEC V	ECB	1.0'	-	400 SQYD	-
LT	270+50 - 271+50	SPEC V	CL IV	1.0'	2'	67 CUYD	-
LT	271+50 - 273+00	2' FB	CL IV	0.5'	2'	56 CUYD	-
LT	273+00 - 274+00	2' FB	CL IV	1.0'	2'	59 CUYD	-
LT	275+33	4.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	260+62	2' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	260+00 - 261+51	2' FB	CL IV	0.5'	2'	67 CUYD	-
RT	263+50 - 270+50	NORMAL	ECB	1.0'	-	623 SQYD	-
RT	270+50 - 273+00	SPEC V	ECB	1.0'	-	223 SQYD	-
RT	273+00 - 274+00	2' FB	CL IV	0.5'	2'	44 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
	MAINLINE					
LT	260+00	MATCH LINE	263+00	TY 4A	262.5'	STEEL W BEAM
LT	271+00	TY 4A	274+00	MATCH LINE	362.5'	STEEL W BEAM
RT	260+00	MATCH LINE	264+00	TY 4A	362.5'	STEEL W BEAM
RT	273+00	TY 4A	274+00	MATCH LINE	62.5'	STEEL W BEAM

0' 50' 100' 200'

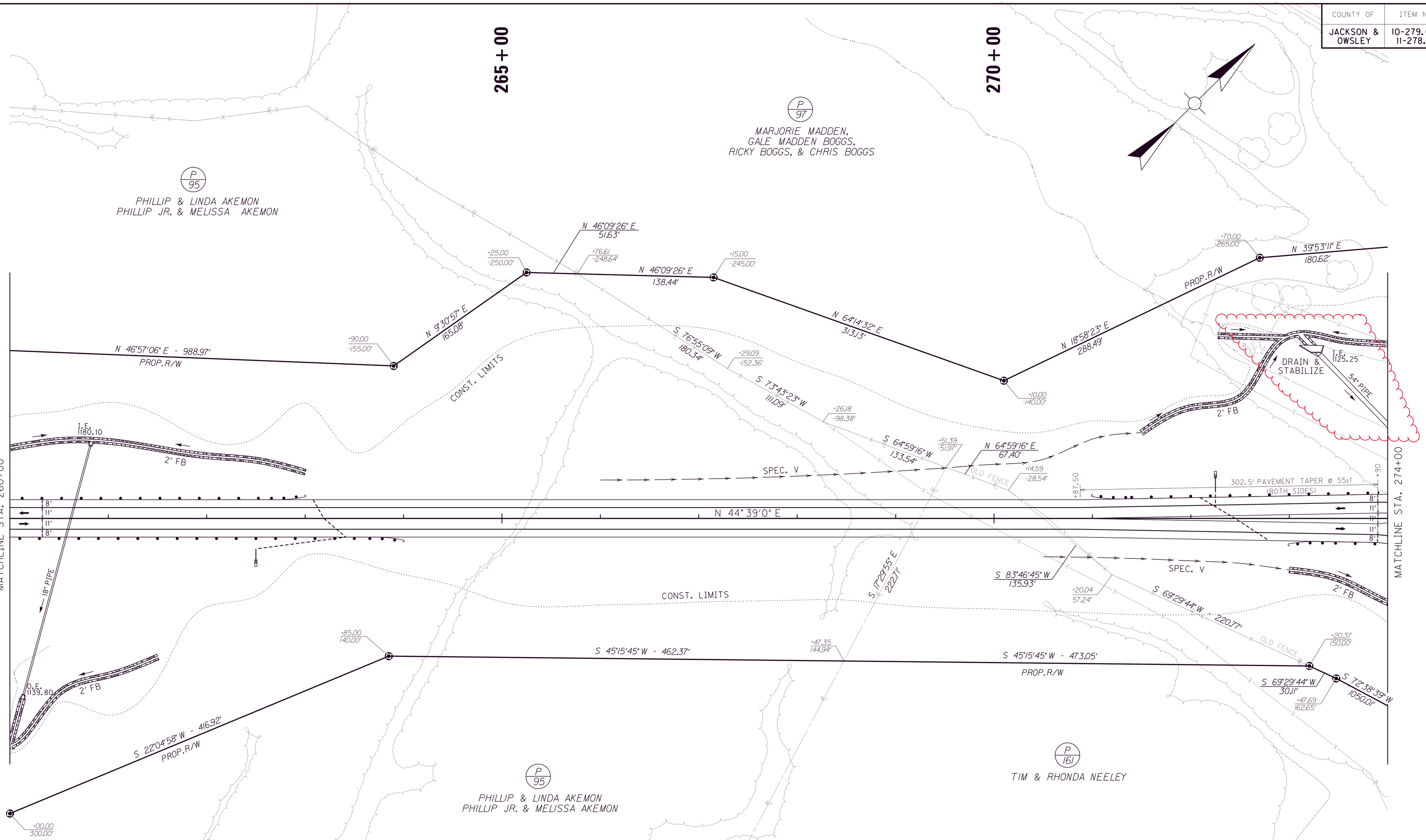
SCALE: 1"=50'

MAINLINE

STA. 260+00 TO STA. 274+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R30



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	260+00 - 260+80	2' FB	CL IV	0.5'	2'	36 CUYD	-
LT	260+62	2' INLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
LT	260+82 - 263+00	2' FB	CL IV	0.5'	2'	98 CUYD	-
LT	263+00 - 266+00	NORMAL	ECB	1.0'	-	267 SQYD	-
LT	266+00 - 270+50	SPEC V	ECB	1.0'	-	400 SQYD	-
LT	270+50 - 271+50	SPEC V	CL IV	1.0'	2'	67 CUYD	-
LT	271+50 - 273+00	2' FB	CL IV	0.5'	2'	56 CUYD	-
LT	273+00 - 274+00	2' FB	CL IV	1.0'	2'	59 CUYD	-
LT	275+33	4.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	260+62	2' OUTLET DT	CL IV	1.0'	2'	SEE PIPE SHEET	-
RT	260+00 - 261+51	2' FB	CL IV	0.5'	2'	67 CUYD	-
RT	263+50 - 270+50	NORMAL	ECB	1.0'	-	623 SQYD	-
RT	270+50 - 273+00	SPEC V	ECB	1.0'	-	223 SQYD	-
RT	273+00 - 274+00	2' FB	CL IV	0.5'	2'	44 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
	MAINLINE					
LT	260+00	MATCH LINE	263+00	TY 4A	262.5'	STEEL W BEAM
LT	271+00	TY 4A	274+00	MATCH LINE	362.5'	STEEL W BEAM
RT	260+00	MATCH LINE	264+00	TY 4A	362.5'	STEEL W BEAM
RT	273+00	TY 4A	274+00	MATCH LINE	62.5'	STEEL W BEAM

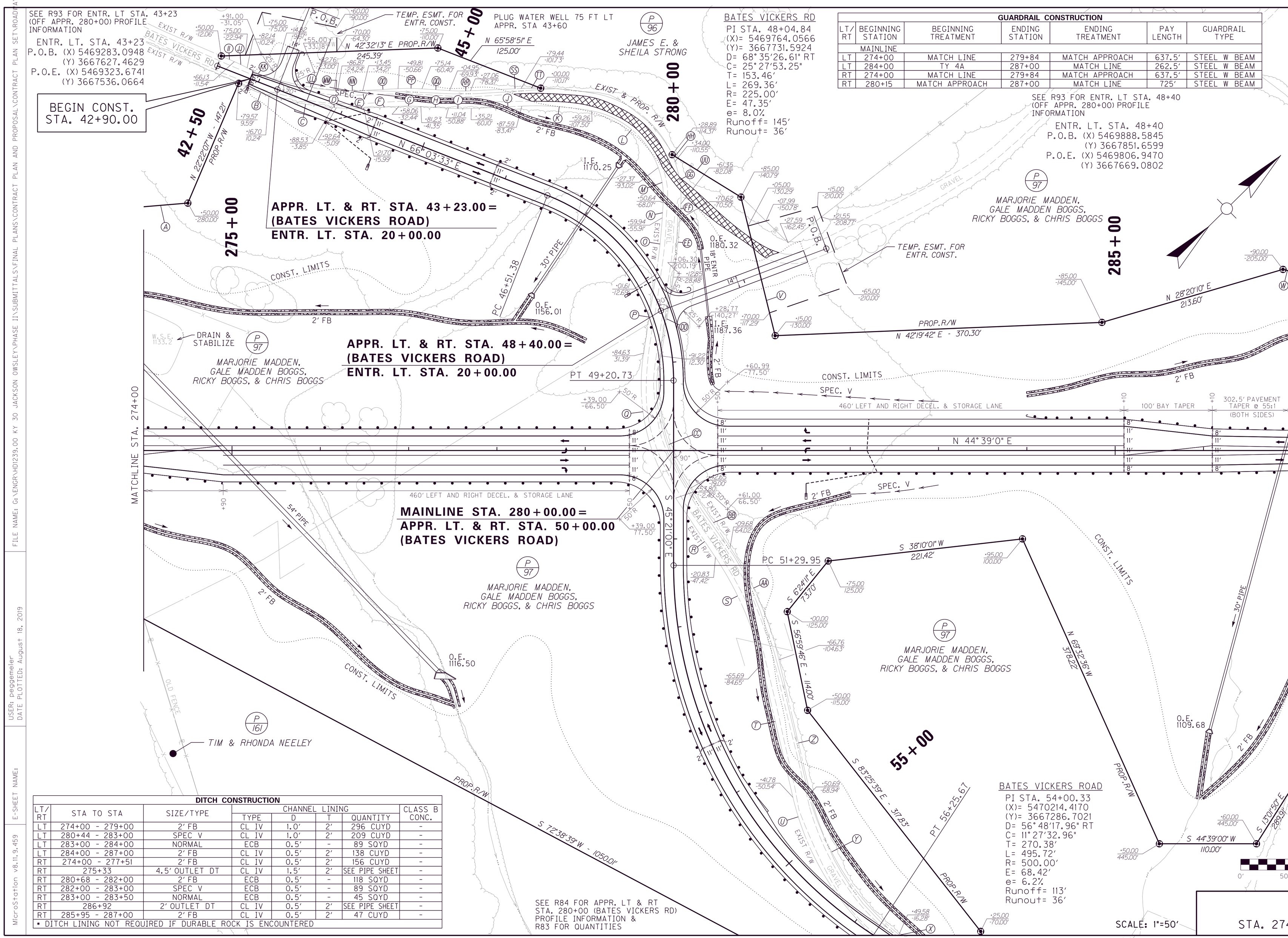
SCALE: 1"=50'

MAINLINE

STA. 260+00 TO STA. 274+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R32



GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	274+00	MATCH LINE	279+84	MATCH APPROACH	637.5'	STEEL W BEAM
LT	284+00	TY 4A	287+00	MATCH LINE	262.5'	STEEL W BEAM
RT	274+00	MATCH LINE	279+84	MATCH APPROACH	637.5'	STEEL W BEAM
RT	280+15	MATCH APPROACH	287+00	MATCH LINE	725'	STEEL W BEAM

(A) N 39°53'11" E - 180.62'
(B) Arc =37.22', R =166.59' Chord =N 67°02'56" E 37.14'
(C) Arc =73.31', R =369.58' Chord =N 54°57'57" E 73.19'
(D) N 49°16'59" E - 4.30'
(E) Arc =31.05', R =235.00' Chord =N 45°29'51" E 31.03'
(F) N 41°42'42" E - 39.91'
(G) Arc =24.84', R =215.00' Chord =N 45°01'16" E 24.82'
(H) N 48°19'50" E - 31.30'
(I) Arc =25.89', R =235.00' Chord =N 45°10'29" E 25.87'
(J) N 42°01'08" E - 57.35'
(K) Arc =79.27', R =348.76' Chord =N 48°31'50" E 79.10'
(L) Arc =103.80', R =99.14' Chord =N 85°02'19" E 99.13'
(M) Arc =40.51', R =100.02' Chord =S 53°21'45" E 40.23'
(N) S 41°45'35" E - 16.98'
(O) Arc =64.46', R =690.00' Chord =S 39°05'00" E 64.44'
(P) S 36°24'25" E - 90.21'
(Q) Arc =171.94', R =230.00' Chord =S 57°49'23" E 167.96'
(R) S 79°14'21" E - 80.75'
(S) Arc =132.14', R =365.00' Chord =S 68°52'04" E 131.42'
(T) S 58°29'46" E - 155.17'
(U) Arc =205.71', R =310.00' Chord =S 77°30'22" E 201.95'
(V) S 59°14'29" E - 161.51'
(W) N 58°28'43" E - 334.70'
(X) S 83°29'02" W - 52.41'
(Y) Arc =192.44', R =290.00' Chord =N 77°30'22" W 188.93'
(Z) N 58°29'46" W - 155.17'
(AA) Arc =139.38', R =385.00' Chord =N 68°52'04" W 138.62'
(BB) N 79°14'21" W - 80.75'
(CC) Arc =156.99', R =210.00' Chord =N 57°49'23" W 153.36'
(DD) N 36°24'25" W - 90.21'
(EE) Arc =66.33', R =710.00' Chord =N 39°05'00" W 66.30'
(FF) N 41°45'35" W - 16.98'
(GG) Arc =48.61', R =120.02' Chord =N 53°21'45" W 48.28'
(HH) Arc =8.57', R =119.14' Chord =N 67°01'30" W 8.56'
(II) S 67°55'46" W - 16.14'
(JJ) Arc =16.07', R =166.83' Chord =S 70°41'21" W 16.06'
(KK) Arc =32.75', R =146.59' Chord =S 67°02'56" W 32.68'
(LL) Arc =69.35', R =349.58' Chord =S 54°57'57" W 69.23'
(MM) S 49°16'59" W - 4.30'
(NN) Arc =28.41', R =215.00' Chord =S 45°29'51" W 28.39'
(OO) S 41°42'42" W - 39.91'
(PP) Arc =27.15', R =235.00' Chord =S 45°01'16" W 27.13'
(QQ) S 48°19'50" W - 31.30'
(RR) Arc =23.68', R =215.00' Chord =S 45°10'29" W 23.67'
(SS) S 42°01'08" W - 57.35'
(TT) Arc =22.23', R =368.76' Chord =S 43°44'45" W 22.23'
(UU) N 76°18'06" E - 91.53'

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	274+00 - 279+00	2' FB	CL IV	1.0'	2'	296 CUYD	-
LT	280+44 - 283+00	SPEC V	CL IV	1.0'	2'	209 CUYD	-
LT	283+00 - 284+00	NORMAL	ECB	0.5'	-	89 SQYD	-
LT	284+00 - 287+00	2' FB	CL IV	0.5'	2'	138 CUYD	-
RT	274+00 - 277+51	2' FB	CL IV	0.5'	2'	156 CUYD	-
RT	275+33	4.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	280+68 - 282+00	2' FB	ECB	0.5'	-	118 SQYD	-
RT	282+00 - 283+00	SPEC V	ECB	0.5'	-	89 SQYD	-
RT	283+00 - 283+50	NORMAL	ECB	0.5'	-	45 SQYD	-
RT	286+92	2' OUTLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
RT	285+95 - 287+00	2' FB	CL IV	0.5'	2'	47 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

BATES VICKERS ROAD

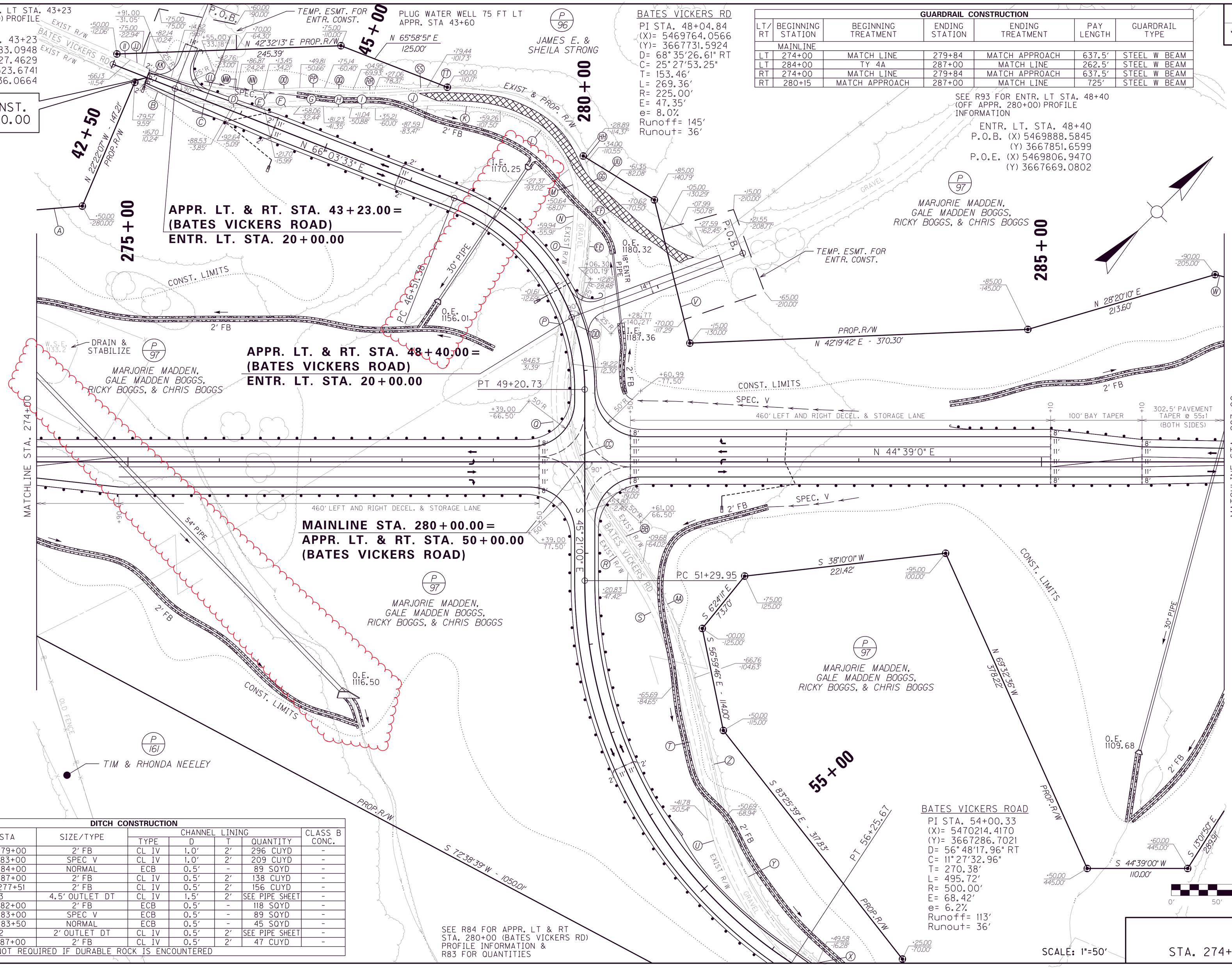
PI STA. 54+00.33
(X)= 5470214.4170
(Y)= 3667286.7021
D= 56°48'17.96" RT
C= 11°27'32.96"
T= 270.38'
L= 495.72'
R= 500.00'
E= 68.42'
e= 6.2%
Runoff= 113'
Runout= 36'

MAINLINE

STA. 274+00 TO STA. 287+00

MicroStation v8.11.9.459 E-SHEET NAME: USER: peggemeier DATE PLOTTED: August 18, 2019 FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R32



GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	274+00	MATCH LINE	279+84	MATCH APPROACH	637.5'	STEEL W BEAM
LT	284+00	TY 4A	287+00	MATCH LINE	262.5'	STEEL W BEAM
RT	274+00	MATCH LINE	279+84	MATCH APPROACH	637.5'	STEEL W BEAM
RT	280+15	MATCH APPROACH	287+00	MATCH LINE	725'	STEEL W BEAM

(A) N 39°53'11" E - 180.62'
(B) Arc =37.22', R =166.59' Chord =N 67°02'56" E 37.14'
(C) Arc =73.31', R =369.58' Chord =N 54°57'57" E 73.19'
(D) N 49°16'59" E - 4.30'
(E) Arc =31.05', R =235.00' Chord =N 45°29'51" E 31.03'
(F) N 41°42'42" E - 39.91'
(G) Arc =24.84', R =215.00' Chord =N 45°01'16" E 24.82'
(H) N 48°19'50" E - 31.30'
(I) Arc =25.89', R =235.00' Chord =N 45°10'29" E 25.87'
(J) N 42°01'08" E - 57.35'
(K) Arc =79.27', R =348.76' Chord =N 48°31'50" E 79.10'
(L) Arc =103.80', R =99.14' Chord =N 85°02'19" E 99.13'
(M) Arc =40.51', R =100.02' Chord =S 53°21'45" E 40.23'
(N) S 41°45'35" E - 16.98'
(O) Arc =64.46', R =690.00' Chord =S 39°05'00" E 64.44'
(P) S 36°24'25" E - 90.21'
(Q) Arc =171.94', R =230.00' Chord =S 57°49'23" E 167.96'
(R) S 79°14'21" E - 80.75'
(S) Arc =132.14', R =365.00' Chord =S 68°52'04" E 131.42'
(T) S 58°29'46" E - 155.17'
(U) Arc =205.71', R =310.00' Chord =S 77°30'22" E 201.95'
(V) S 59°14'29" E - 161.51'
(W) N 58°28'43" E - 334.70'
(X) S 83°29'02" W - 52.41'
(Y) Arc =192.44', R =290.00' Chord =N 77°30'22" W 188.93'
(Z) N 58°29'46" W - 155.17'
(AA) Arc =139.38', R =385.00' Chord =N 68°52'04" W 138.62'
(BB) N 79°14'21" W - 80.75'
(CC) Arc =156.99', R =210.00' Chord =N 57°49'23" W 153.36'
(DD) N 36°24'25" W - 90.21'
(EE) Arc =66.33', R =710.00' Chord =N 39°05'00" W 66.30'
(FF) N 41°45'35" W - 16.98'
(GG) Arc =48.61', R =120.02' Chord =N 53°21'45" W 48.28'
(HH) Arc =8.57', R =119.14' Chord =N 67°01'30" W 8.56'
(II) S 67°55'46" W - 16.14'
(JJ) Arc =16.07', R =166.83' Chord =S 70°41'21" W 16.06'
(KK) Arc =32.75', R =146.59' Chord =S 67°02'56" W 32.68'
(LL) Arc =69.35', R =349.58' Chord =S 54°57'57" W 69.23'
(MM) S 49°16'59" W - 4.30'
(NN) Arc =28.41', R =215.00' Chord =S 45°29'51" W 28.39'
(OO) S 41°42'42" W - 39.91'
(PP) Arc =27.15', R =235.00' Chord =S 45°01'16" W 27.13'
(QQ) S 48°19'50" W - 31.30'
(RR) Arc =23.68', R =215.00' Chord =S 45°10'29" W 23.67'
(SS) S 42°01'08" W - 57.35'
(TT) Arc =22.23', R =368.76' Chord =S 43°44'45" W 22.23'
(UU) N 76°18'06" E - 91.53'

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	274+00 - 279+00	2' FB	CL IV	1.0'	2'	296 CUYD	-
LT	280+44 - 283+00	SPEC V	CL IV	1.0'	2'	209 CUYD	-
LT	283+00 - 284+00	NORMAL	ECB	0.5'	-	89 SQYD	-
LT	284+00 - 287+00	2' FB	CL IV	0.5'	2'	138 CUYD	-
RT	274+00 - 277+51	2' FB	CL IV	0.5'	2'	156 CUYD	-
RT	275+33	4.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	280+68 - 282+00	2' FB	ECB	0.5'	-	118 SQYD	-
RT	282+00 - 283+00	SPEC V	ECB	0.5'	-	89 SQYD	-
RT	283+00 - 283+50	NORMAL	ECB	0.5'	-	45 SQYD	-
RT	286+92	2' OUTLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
RT	285+95 - 287+00	2' FB	CL IV	0.5'	2'	47 CUYD	-

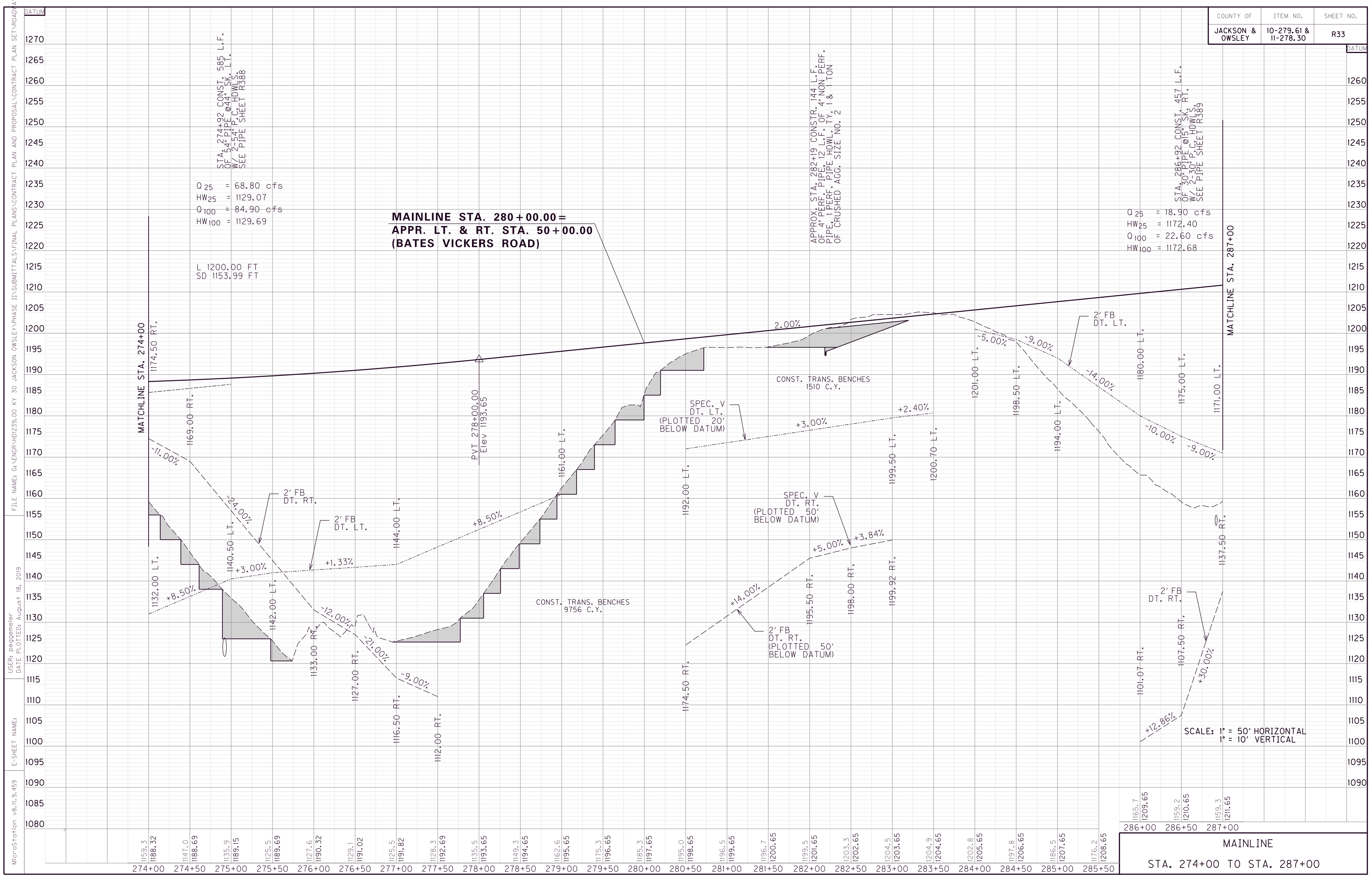
• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

MAINLINE

STA. 274+00 TO STA. 287+00

MicroStation v8.11.9.459 E-SHEET NAME: USER: peggemeier DATE PLOTTED: August 18, 2019 FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R33



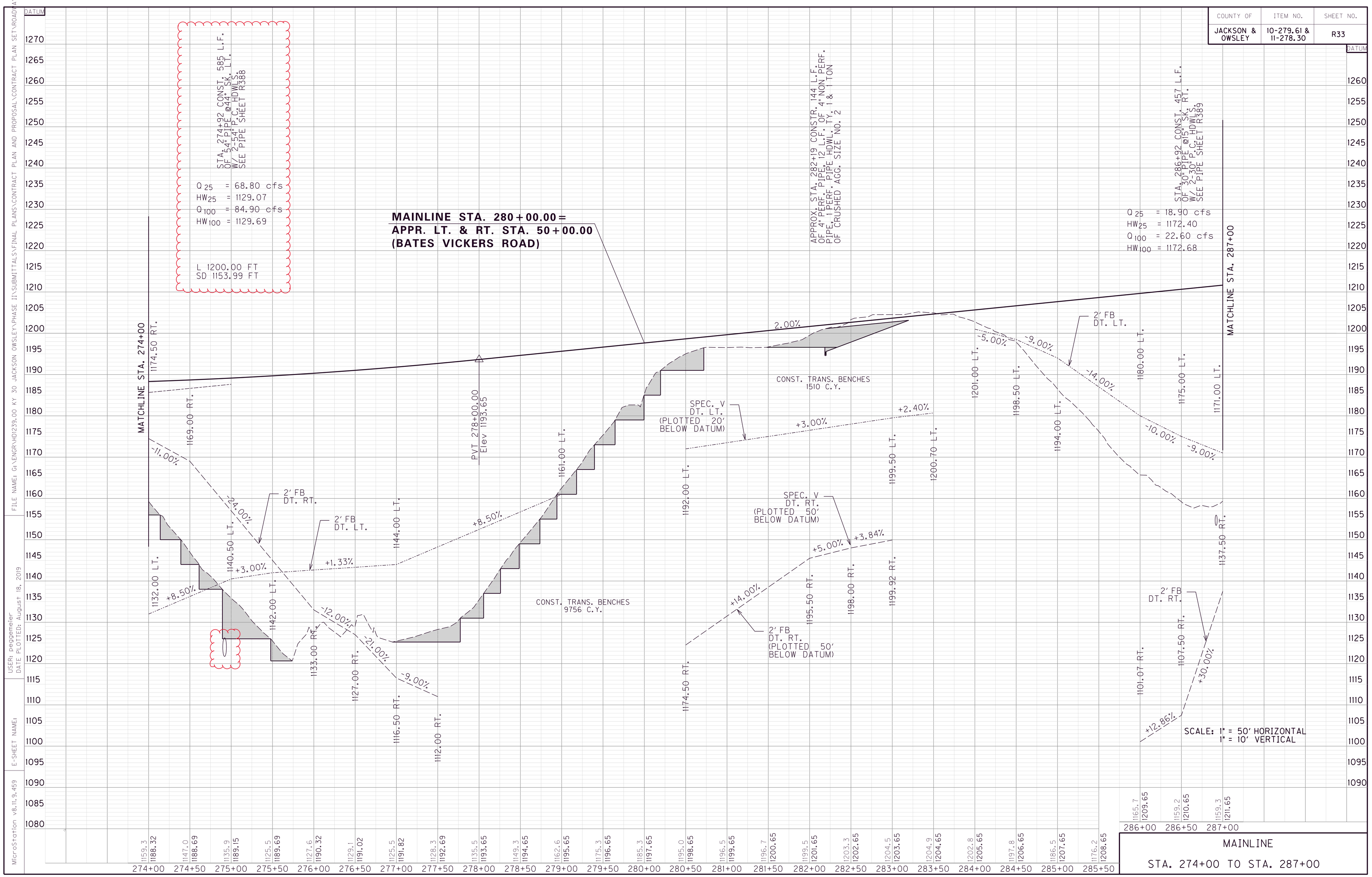
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R33

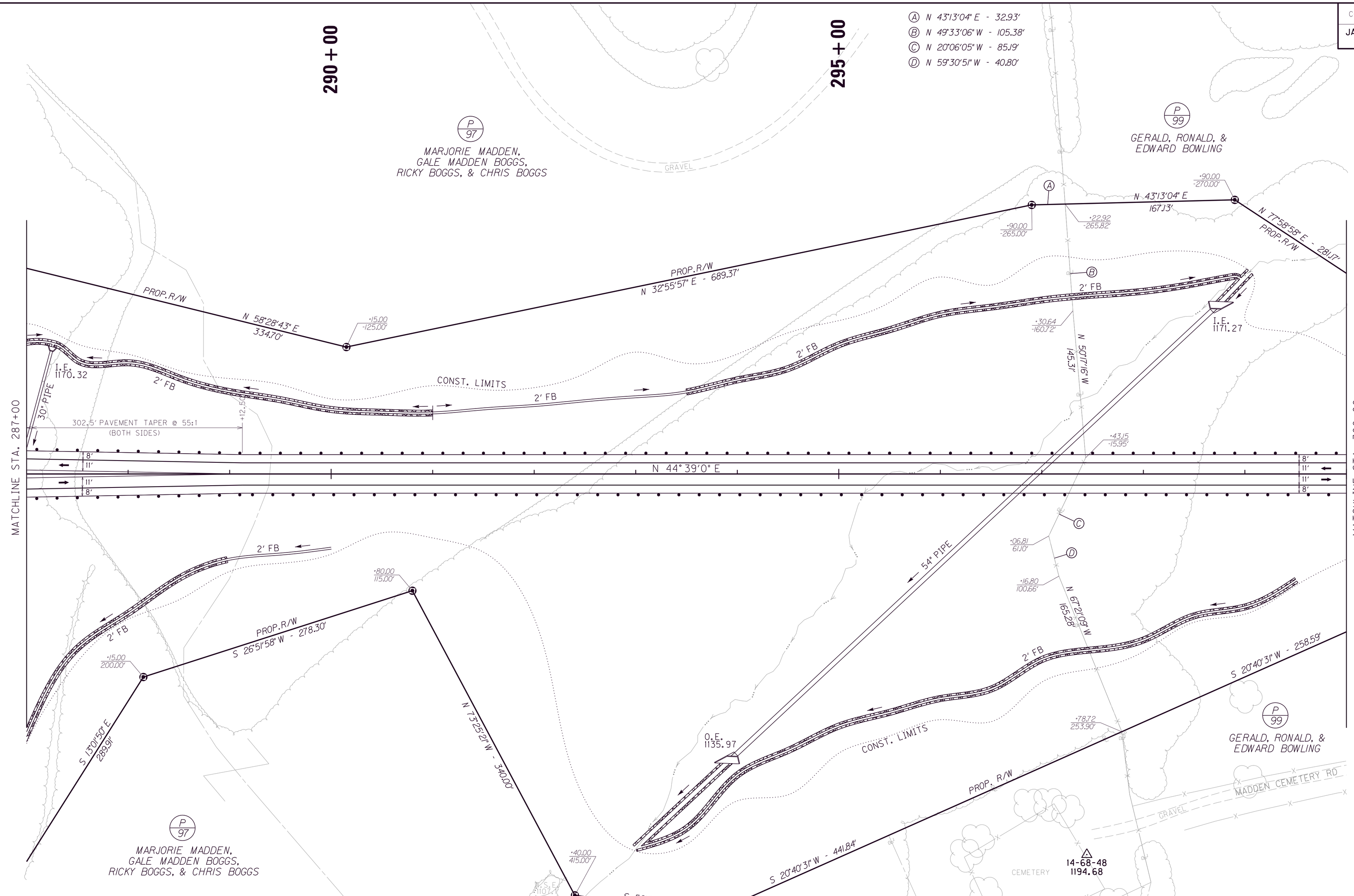


MAINLINE

STA. 274+00 TO STA. 287+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R34



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
LT	286+92	2' INLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
LT	287+00 - 287+25	2' FB	CL IV	0.5'	2'	11 CUYD	-
LT	287+25 - 291+00	2' FB	CL IV	0.5'	2'	167 CUYD	-
LT	291+00 - 293+50	2' FB	ECB	0.5'	-	224 SQYD	-
LT	293+50 - 296+00	2' FB	CL IV	0.5'	2'	97 CUYD	-
LT	296+00 - 299+00	2' FB	CL IV	1.0'	2'	203 CUYD	-
LT	296+95	4' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	296+95	4' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	287+00 - 289+00	2' FB	CL IV	0.5'	2'	89 CUYD	-
RT	289+00 - 290+00	2' FB	ECB	0.5'	-	89 SQYD	-
RT	293+00 - 299+50	2' FB	CL IV	0.5'	2'	289 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	287+00	MATCH LINE	300+00	MATCH LINE	1,300'	STEEL W BEAM
RT	287+00	MATCH LINE	300+00	MATCH LINE	1,300'	STEEL W BEAM

SCALE: 1"=50'

MAINLINE

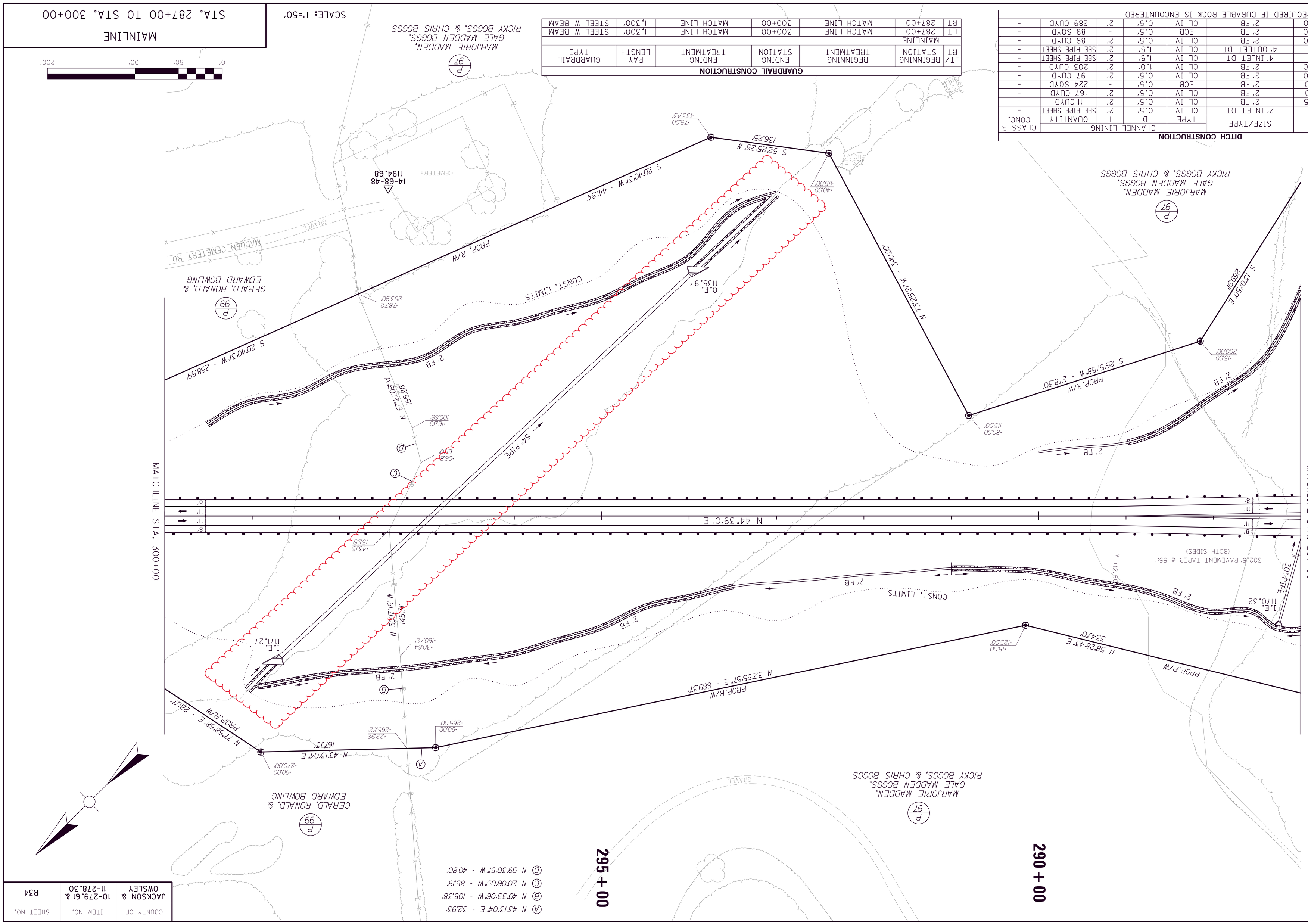
STA. 287+00 TO STA. 300+00

FILE NAME: G:\ENGR\WD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeler
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459



DITCH CONSTRUCTION

LT/ RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	286+92	2' INLET DT	CL IV	0.5'	2'	SEE PIPE SHEET	-
LT	287+00 - 287+25	2' FB	CL IV	0.5'	2'	11 CUYD	-
LT	287+25 - 291+00	2' FB	CL IV	0.5'	2'	167 CUYD	-
LT	291+00 - 293+50	2' FB	ECB	0.5'	-	224 SOYD	-
LT	293+50 - 296+00	2' FB	CL IV	0.5'	2'	97 CUYD	-
LT	296+00 - 299+00	2' FB	CL IV	1.0'	2'	203 CUYD	-
LT	296+95	4' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	296+95	4' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	287+00 - 289+00	2' FB	CL IV	0.5'	2'	89 CUYD	-
RT	289+00 - 290+00	2' FB	ECB	0.5'	-	89 SOYD	-
RT	293+00 - 299+50	2' FB	CL IV	0.5'	2'	289 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

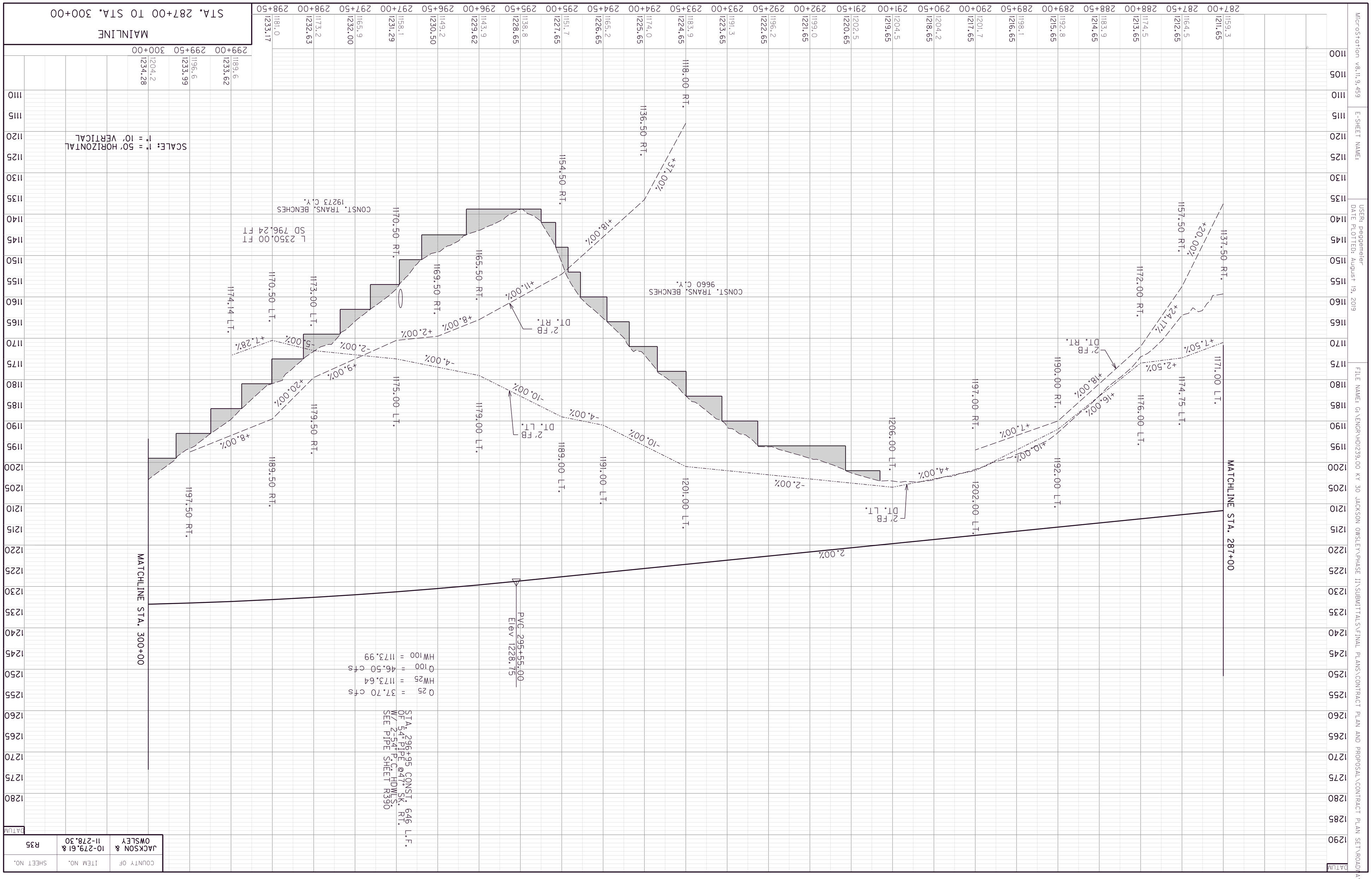
LT/ RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
RT	287+00	MATCH LINE	300+00	MATCH LINE	1,300'	STEEL W BEAM
LT	287+00	MATCH LINE	300+00	MATCH LINE	1,300'	STEEL W BEAM
MAINLINE						

SCALE: 1"=50'

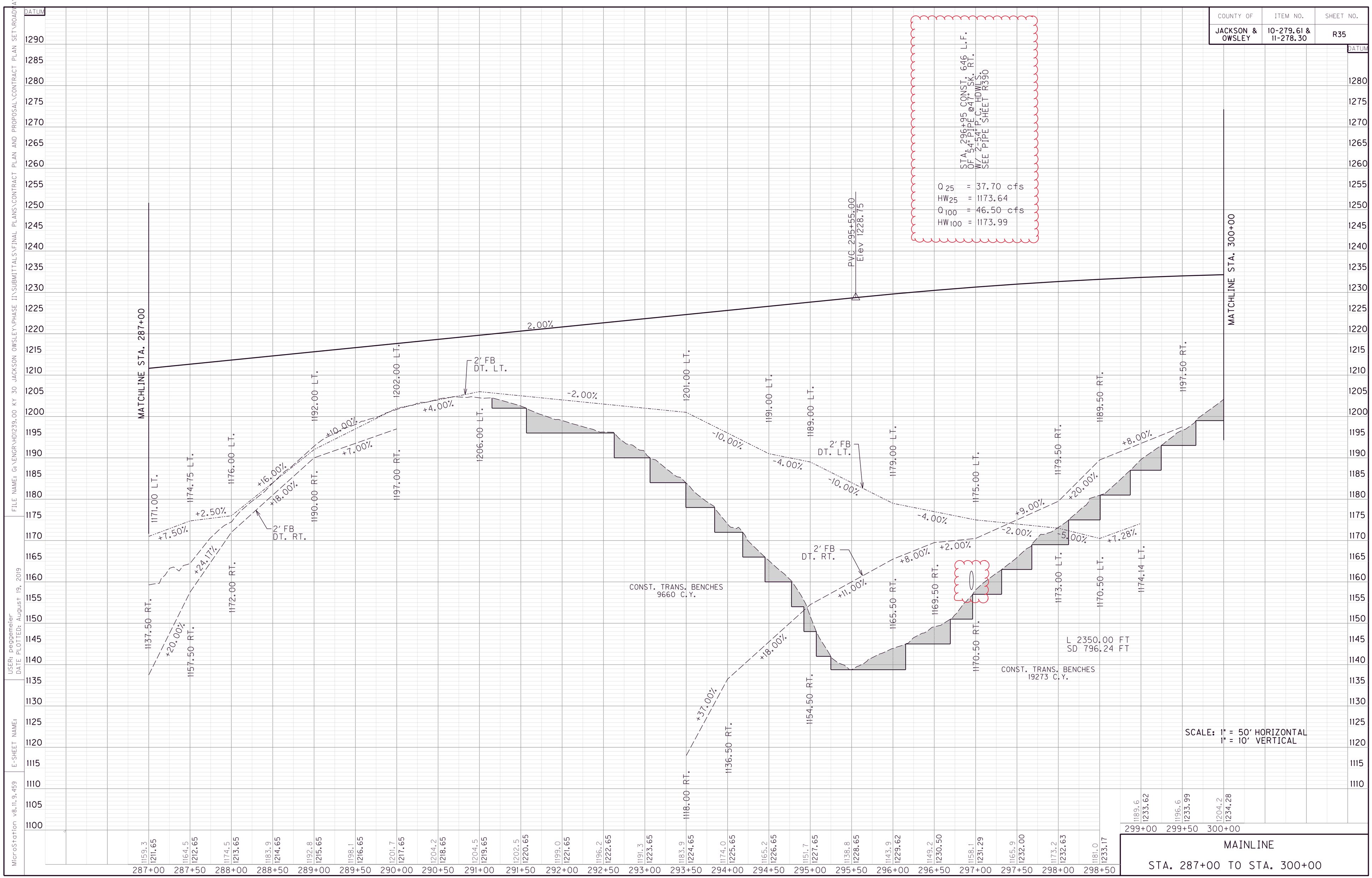
MAINLINE
STA. 287+00 TO STA. 300+00

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R34

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: peggemeier DATE PLOTTED: August 18, 2019 | FILE NAME: G:\ENGR\HDI239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR


MicroStation v8.11.9.459
E-SHEET NAME:
USER: peggemeier
DATE PLOTTED: August 19, 2019
FILE NAME: G:\ENGR\HDI239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
STA. 287+00 TO STA. 300+00
MAINLINE
SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL
MATCHLINE STA. 300+00
MATCHLINE STA. 287+00
L 2350.00 FT
SD 796.24 FT
CONST. TRANS. BENCHES
1927.3 C.Y.
CONST. TRANS. BENCHES
9660 C.Y.
PVC 295+55.00
Elev 1228.75
STA. 296+95 CONST. 646 L.F.
OF 54" PIPE @47° SK. RT.
W/ 2-54" PC. HDPE
SEE PIPE SHEET R390
Q25 = 37.70 cfs
HW25 = 1173.64
Q100 = 46.50 cfs
HW100 = 1173.99
COUNTY OF
JACKSON & OWSLEY
ITEM NO.
10-279.61 & 11-278.30
SHEET NO.
R35
DATUM

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R35



MAINLINE

STA. 287+00 TO STA. 300+00

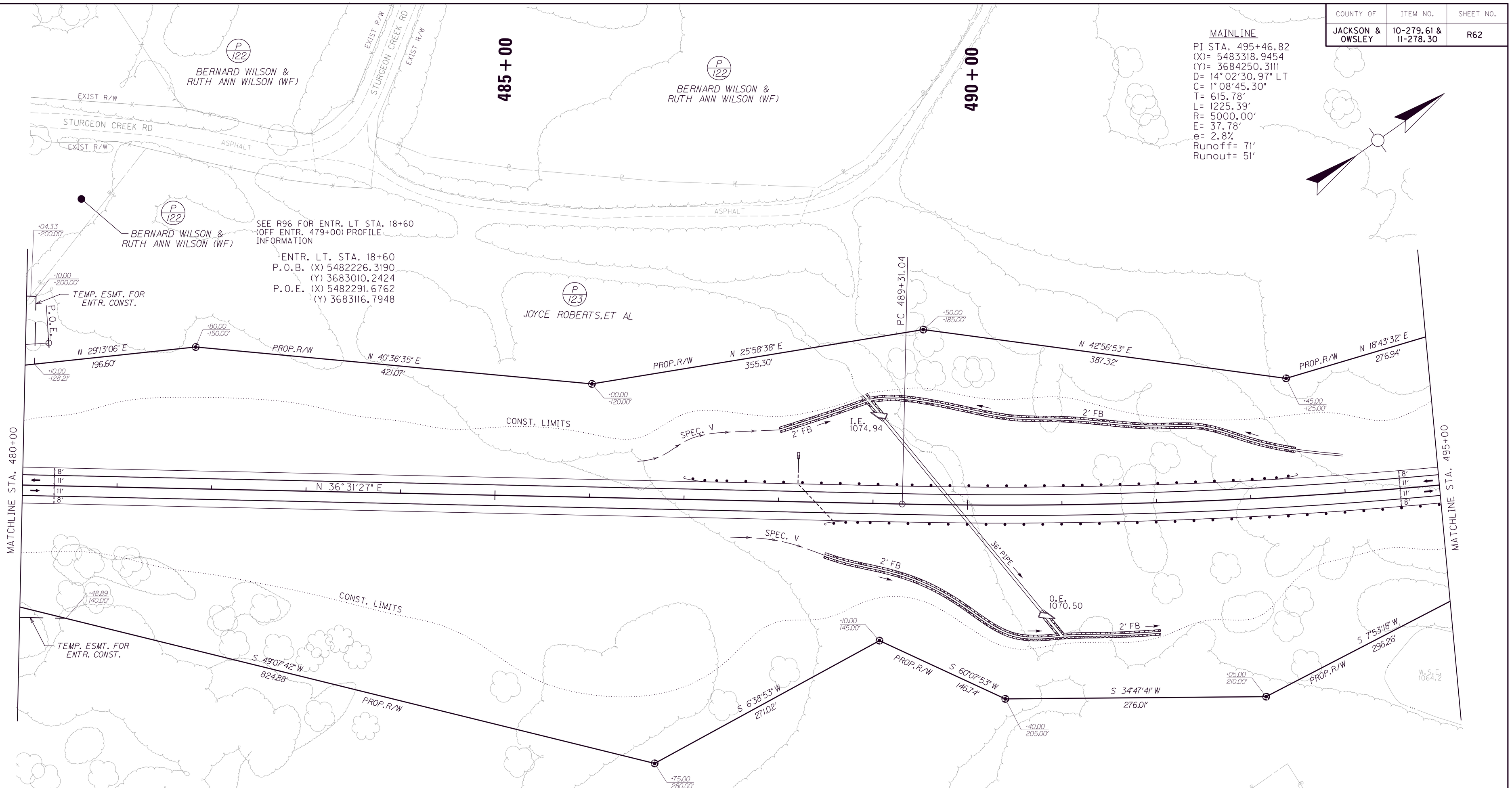
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 19, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R62



DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	480+00 - 486+50	NORMAL	ECB	1.0'	-	578 SQYD	-
LT	486+50 - 488+00	SPEC V	CL IV	0.5'	2'	56 CUYD	-
LT	488+00 - 488+93	2' FB	CL IV	0.5'	2'	41 CUYD	-
LT	489+86	3' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
LT	488+93 - 493+50	2' FB	CL IV	1.0'	2'	307 CUYD	-
LT	493+50 - 494+00	2' FB	ECB	0.5'	-	67 SQYD	-
LT	494+00 - 495+00	NORMAL	ECB	1.0'	-	89 SQYD	-
RT	480+00 - 487+50	NORMAL	ECB	1.0'	-	667 SQYD	-
RT	487+50 - 488+50	SPEC V	CL IV	1.0'	2'	67 CUYD	-
RT	488+50 - 489+00	2' FB	CL IV	0.5'	2'	22 CUYD	-
RT	489+00 - 490+50	2' FB	GR CL IV	0.5'	2'	77 CUYD	17 CUYD
RT	489+86	3' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	490+50 - 492+00	2' FB	CL IV	2.5'	2'	207 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	487+00	TY 4A	493+50	TY 4A	575'	STEEL W BEAM
RT	488+50	TY 4A	495+00	MATCH LINE	612.5'	STEEL W BEAM

0' 50' 100' 200'

SCALE: 1"=50'

MAINLINE

STA. 480+00 TO STA. 495+00

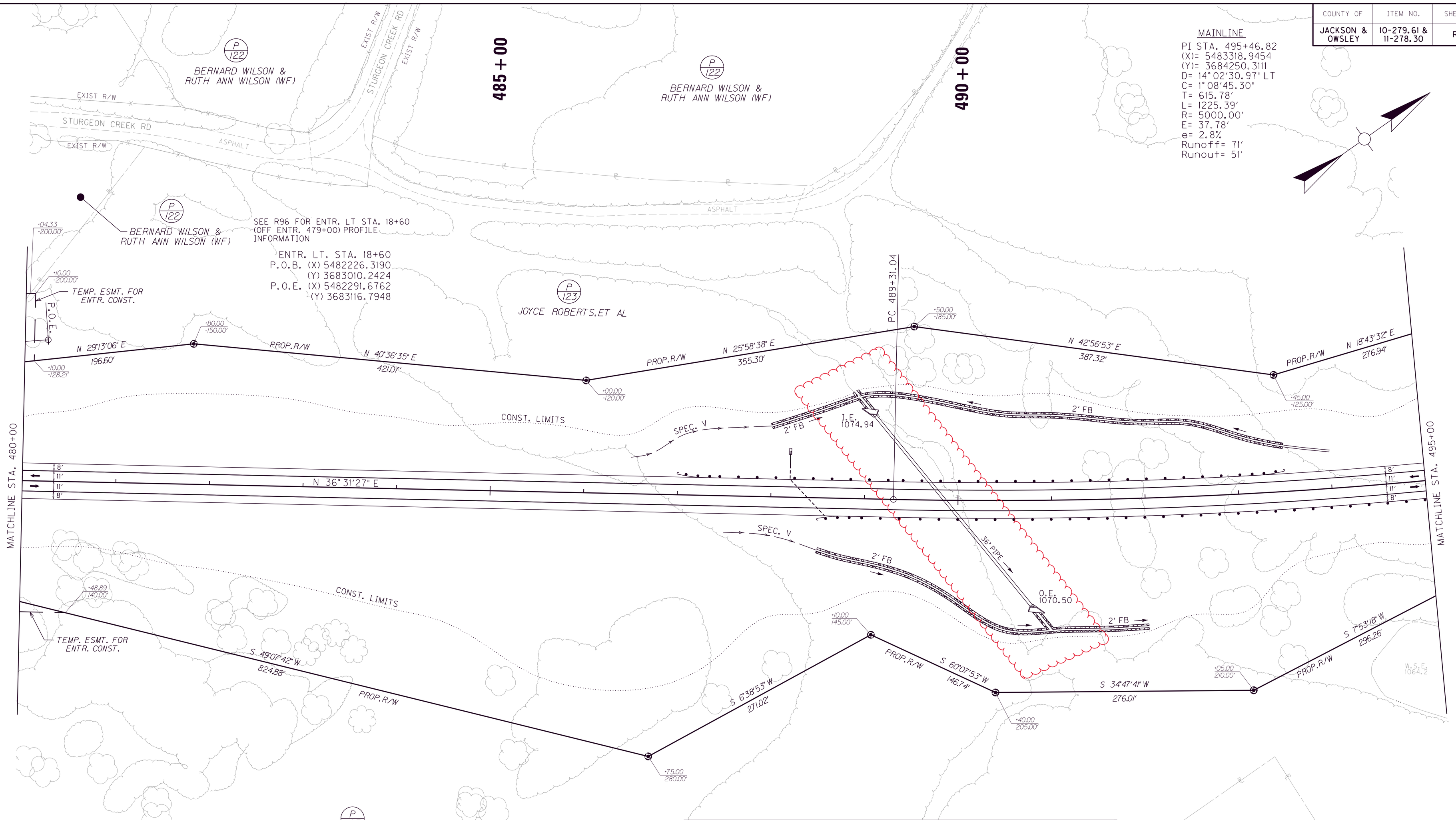
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R62



GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
MAINLINE						
LT	487+00	TY 4A	493+50	TY 4A	575'	STEEL W BEAM
RT	488+50	TY 4A	495+00	MATCH LINE	612.5'	STEEL W BEAM

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	D	T	QUANTITY	CLASS B CONC.
LT	480+00 - 486+50	NORMAL	ECB	1.0'	-	578 SQYD	-
LT	486+50 - 488+00	SPEC V	CL IV	0.5'	2'	56 CUYD	-
LT	488+00 - 488+93	2' FB	CL IV	0.5'	2'	41 CUYD	-
LT	489+86	3' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
LT	488+93 - 493+50	2' FB	CL IV	1.0'	2'	307 CUYD	-
LT	493+50 - 494+00	2' FB	ECB	0.5'	-	67 SQYD	-
LT	494+00 - 495+00	NORMAL	ECB	1.0'	-	89 SQYD	-
RT	480+00 - 487+50	NORMAL	ECB	1.0'	-	667 SQYD	-
RT	487+50 - 488+50	SPEC V	CL IV	1.0'	2'	67 CUYD	-
RT	488+50 - 489+00	2' FB	CL IV	0.5'	2'	22 CUYD	-
RT	489+00 - 490+50	2' FB	GR CL IV	0.5'	2'	77 CUYD	17 CUYD
RT	489+86	3' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
RT	490+50 - 492+00	2' FB	CL IV	2.5'	2'	207 CUYD	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

SCALE: 1"=50'

0' 50' 100' 200'

MAINLINE

STA. 480+00 TO STA. 495+00

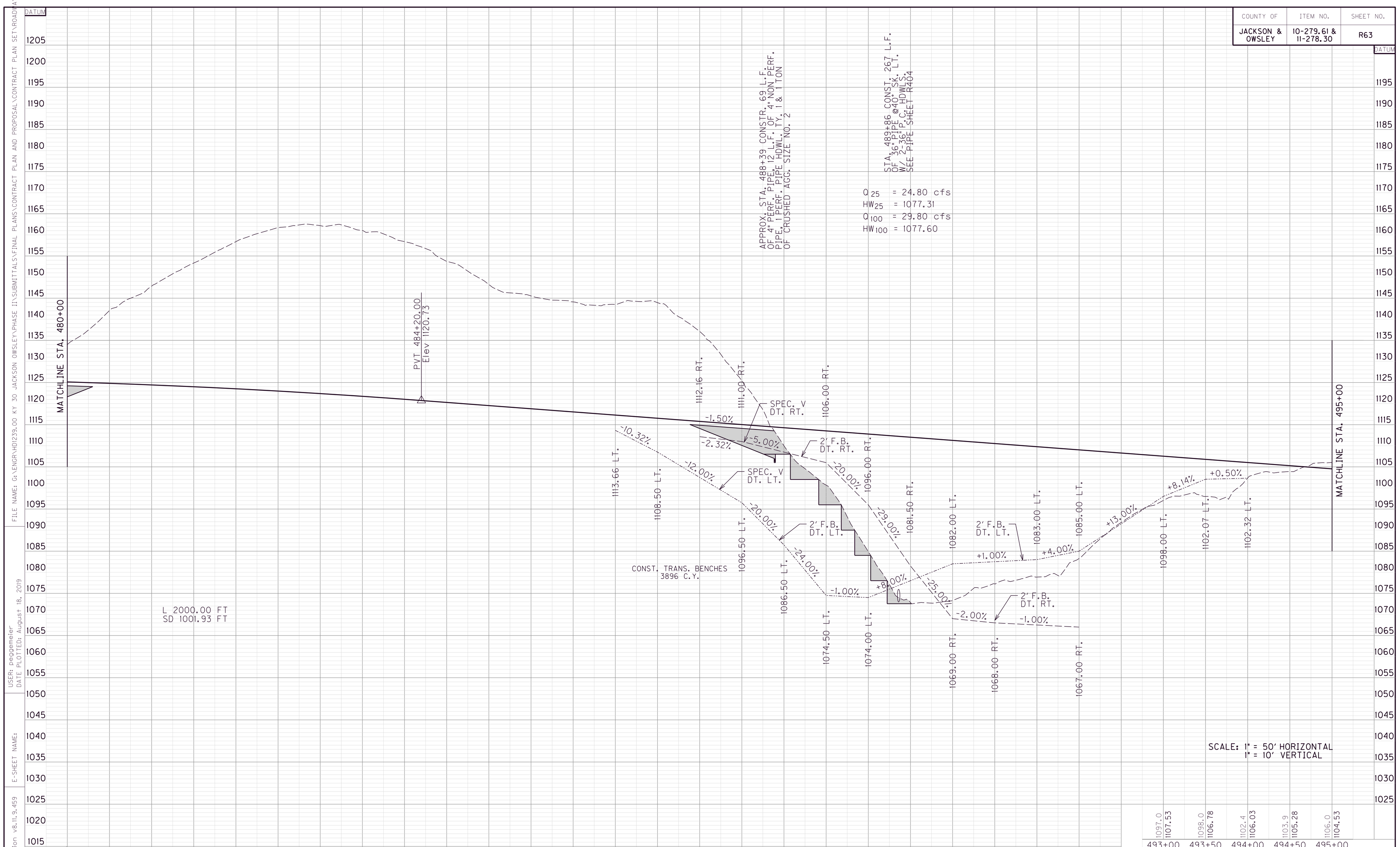
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R63



MAINLINE

STA. 480+00 TO STA. 495+00

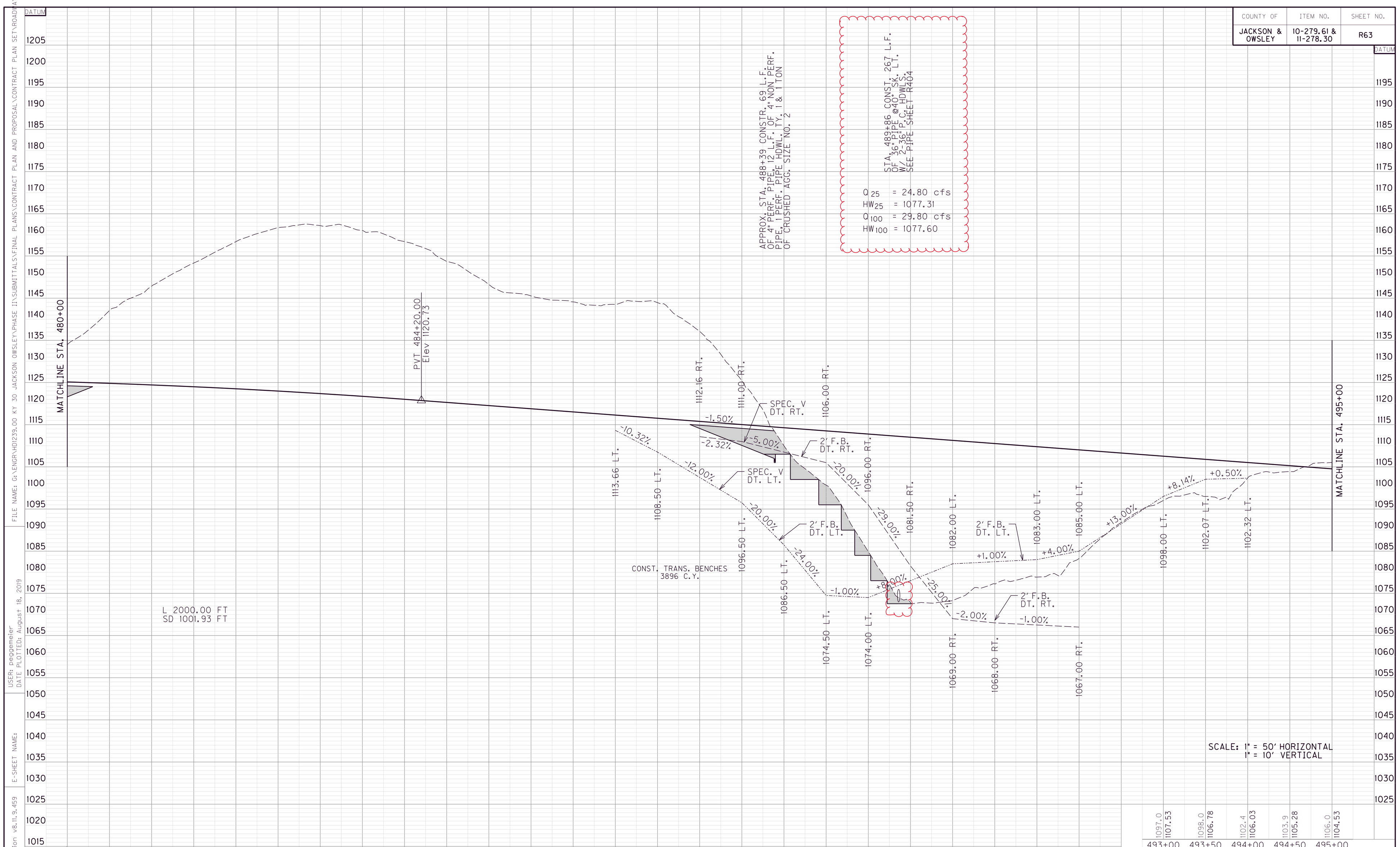
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R63



MAINLINE

STA. 480+00 TO STA. 495+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R83

(A) N 39°53'11" E - 180.62'
(B) Arc =37.22', R =166.59'
Chord =N 67°02'56" E 37.14'
(C) Arc =73.31', R =369.58'
Chord =N 54°57'57" E 73.19'
(D) N 49°16'59" E - 4.30'
(E) Arc =31.05', R =235.00'
Chord =N 45°29'51" E 31.03'
(F) N 41°42'42" E - 39.91'
(G) Arc =24.84', R =215.00'
Chord =N 45°01'16" E 24.82'
(H) N 48°19'50" E - 31.30'
(I) Arc =25.89', R =235.00'
Chord =N 45°10'29" E 25.87'
(J) N 42°01'08" E - 57.35'
(K) Arc =79.27', R =348.76'
Chord =N 48°31'50" E 79.10'
(L) Arc =103.80', R =99.14'
Chord =N 85°02'19" E 99.13'
(M) Arc =40.51', R =100.02'
Chord =S 53°21'45" E 40.23'
(N) S 41°45'35" E - 16.98'
(O) Arc =64.46', R =690.00'
Chord =S 39°05'00" E 64.44'
(P) S 36°24'25" E - 90.21'
(Q) Arc =171.94', R =230.00'
Chord =S 57°49'23" E 167.96'
(R) S 79°14'21" E - 80.75'
(S) Arc =132.14', R =365.00'
Chord =S 68°52'04" E 131.42'
(T) S 58°29'46" E - 155.17'
(U) Arc =205.71', R =310.00'
Chord =S 77°30'22" E 201.95'
(V) S 59°14'29" E - 161.51'
(W) S 83°29'02" W - 52.41'
(X) Arc =192.44', R =290.00'
Chord =N 77°30'22" W 188.93'
(Y) N 58°29'46" W - 155.17'
(Z) Arc =139.38', R =385.00'
Chord =N 68°52'04" W 138.62'
(AA) N 79°14'21" W - 80.75'
(BB) Arc =156.99', R =210.00'
Chord =N 57°49'23" W 153.36'
(CC) N 36°24'25" W - 90.21'
(DD) Arc =66.33', R =710.00'
Chord =N 39°05'00" W 66.30'
(EE) N 41°45'35" W - 16.98'
(FF) Arc =48.61', R =120.02'
Chord =N 53°21'45" W 48.28'
(GG) Arc =8.57', R =119.14'
Chord =N 67°01'30" W 8.56'
(HH) S 67°55'46" W - 16.14'
(II) Arc =16.07', R =166.83'
Chord =S 70°41'21" W 16.06'
(JJ) Arc =32.75', R =146.59'
Chord =S 67°02'56" W 32.68'
(KK) Arc =69.35', R =349.58'
Chord =S 54°57'57" W 69.23'
(LL) S 49°16'59" W - 4.30'
(MM) Arc =28.41', R =215.00'
Chord =S 45°29'51" W 28.39'
(NN) S 41°42'42" W - 39.91'
(OO) Arc =27.15', R =235.00'
Chord =S 45°01'16" W 27.13'
(PP) S 48°19'50" W - 31.30'
(QQ) Arc =23.68', R =215.00'
Chord =S 45°10'29" W 23.67'
(RR) S 42°01'08" W - 57.35'
(SS) Arc =22.23', R =368.76'
Chord =S 43°44'45" W 22.23'
(TT) S 65°59'53" E - 92.89'
(UU) Arc =61.13', R =327.02'
Chord =S 78°07'44" W 61.04'
(VV) S 72°46'26" W - 7.00'
(WW) Arc =30.49', R =436.74'
Chord =S 70°46'26" W 30.48'
(XX) N 83°29'02" E - 52.41'
(YY) Arc =64.87', R =347.02'
Chord =N 78°07'44" E 64.77'
(ZZ) N 72°46'26" E - 7.00'
(AAA) Arc =28.69', R =456.74'
Chord =N 70°58'27" E 28.69'
(BBB) S 40°07'15" W - 94.82'

APPR. STA. 281+00
PI STA. 48+04.84
(X)= 5469764.0566
(Y)= 3667731.5924
D= 68° 35'26.61" RT
C= 25° 27'53.25"
T= 153.46'
L= 269.36'
R= 225.00'
E= 47.35'
e= 8.0%
Runoff= 145'
Runout= 36'

SEE R93 FOR ENTR. LT STA. 48+40 (OFF APPR. 280+00) PROFILE INFORMATION

ENTR. LT. STA. 48+40
P.O.B. (X) 5469888.5845
(Y) 3667851.6599
P.O.E. (X) 5469806.9470
(Y) 3667669.0802

SEE R84 FOR APPR. LT & RT STA. 280+00 (BATES VICKERS RD) PROFILE INFORMATION

SEE R93 FOR ENTR. RT STA. 56+60 (OFF APPR. 280+00) PROFILE INFORMATION

ENTR. RT. STA. 56+60
P.O.B. (X) 5470512.2967
(Y) 3667350.8615
P.O.E. (X) 5470533.3525
(Y) 3667253.1034

APPR. STA. 281+00
PI STA. 54+00.33
(X)= 5470214.4170
(Y)= 3667286.7021
D= 56° 48'17.96" RT
C= 11° 27'32.96"
T= 270.38'
L= 495.72'
R= 500.00'
E= 68.42'
e= 6.2%
Runoff= 113'
Runout= 36'

ENTR. LT. STA. 43+23
P.O.B. (X) 5469283.0948
(Y) 3667627.4629
P.O.E. (X) 5469323.6741
(Y) 3667536.0664

SEE R93 FOR ENTR. LT STA. 43+23 (OFF APPR. 280+00) PROFILE INFORMATION

APPR. LT. & RT. STA. 56+60.00 = (BATES VICKERS ROAD) ENTR. RT. STA. 20+00.00

MAINLINE STA. 280+00.00 = APPR. LT. & RT. STA. 50+00.00 (BATES VICKERS RD)

APPR. LT. & RT. STA. 48+40.00 = (BATES VICKERS ROAD) ENTR. LT. STA. 20+00.00

APPR. LT. & RT. STA. 43+23.00 = (BATES VICKERS ROAD) ENTR. LT. STA. 20+00.00

BEGIN CONST. STA. 42+90.00

END CONST. STA. 57+40.00

ENTRANCE CONSTRUCTION

LT/RT	STATION LOCATION	WIDTH	SQYD ASPHALT	ENTRANCE PIPE
LT	43+23 (APPR. 280+00)	14'	86	NONE
LT	48+80 (APPR. 280+00)	14'	277	18" - 103 LF

ENTRANCE CONSTRUCTION (TRAFFIC BOUND BASE)

LT/RT	STATION LOCATION	WIDTH	SQYD TBB	ENTRANCE PIPE
RT	56+60 (APPR. 280+00)	14'	23	NONE

REMOVE PAVEMENT

LT/RT	STATION LOCATION	SQYD	TYPE
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)			
LT	45+75 - 48+30	380	GRAVEL

GUARDRAIL CONSTRUCTION

LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)						
LT	43+32	T.S. NO. 1	48+32	T.S. NO. 1	550'	STEEL W BEAM
LT	50+66.5	MATCH MAINLINE	54+38	TY 7	325'	STEEL W BEAM
RT	43+50	TY 7	49+25.5	MATCH MAINLINE	525'	STEEL W BEAM
RT	50+85	MATCH MAINLINE	56+50	T.S. NO. 1	575'	STEEL W BEAM

DITCH CONSTRUCTION

LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING TYPE	CHANNEL LINING D	CHANNEL LINING T	CHANNEL LINING QUANTITY	CLASS B CONC.
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)							
LT	43+50 - 44+50	SPEC V	CL IV	0.5'	2'	30 CUYD	-
LT	44+50 - 47+00	2' FB	CL IV	0.5'	2'	111 CUYD	-
LT	47+00	2.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
LT	47+00 - 48+00	2' FB	CL IV	0.5'	2'	44 CUYD	-
LT	48+82 - 49+25	2' FB	CL IV	0.5'	2'	19 CUYD	-
LT	50+48 - 57+40	2' FB	CL IV	1.0'	2'	410 CUYD	-
RT	47+00	2.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

0' 50' 100' 200'

SCALE: 1"=50'

APPR. LT. & RT. STA. 280+00
BATES VICKERS ROAD
STA. 43+10 TO STA. 27+30

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R83

(A) N 39°53'11" E - 180.62'
(B) Arc =37.22', R =166.59'
Chord =N 67°02'56" E 37.14'
(C) Arc =73.31', R =369.58'
Chord =N 54°57'57" E 73.19'
(D) N 49°16'59" E - 4.30'
(E) Arc =31.05', R =235.00'
Chord =N 45°29'51" E 31.03'
(F) N 41°42'42" E - 39.91'
(G) Arc =24.84', R =215.00'
Chord =N 45°01'16" E 24.82'
(H) N 48°19'50" E - 31.30'
(I) Arc =25.89', R =235.00'
Chord =N 45°10'29" E 25.87'
(J) N 42°01'08" E - 57.35'
(K) Arc =79.27', R =348.76'
Chord =N 48°31'50" E 79.10'
(L) Arc =103.80', R =99.14'
Chord =N 85°02'19" E 99.13'
(M) Arc =40.51', R =100.02'
Chord =S 53°21'45" E 40.23'
(N) S 41°45'35" E - 16.98'
(O) Arc =64.46', R =690.00'
Chord =S 39°05'00" E 64.44'
(P) S 36°24'25" E - 90.21'
(Q) Arc =171.94', R =230.00'
Chord =S 57°49'23" E 167.96'
(R) S 79°14'21" E - 80.75'
(S) Arc =132.14', R =365.00'
Chord =S 68°52'04" E 131.42'
(T) S 58°29'46" E - 155.17'
(U) Arc =205.71', R =310.00'
Chord =S 77°30'22" E 201.95'
(V) S 59°14'29" E - 161.51'
(W) S 83°29'02" W - 52.41'
(X) Arc =192.44', R =290.00'
Chord =N 77°30'22" W 188.93'
(Y) N 58°29'46" W - 155.17'
(Z) Arc =139.38', R =385.00'
Chord =N 68°52'04" W 138.62'
(AA) N 79°14'21" W - 80.75'
(BB) Arc =156.99', R =210.00'
Chord =N 57°49'23" W 153.36'
(CC) N 36°24'25" W - 90.21'
(DD) Arc =66.33', R =710.00'
Chord =N 39°05'00" W 66.30'
(EE) N 41°45'35" W - 16.98'
(FF) Arc =48.61', R =120.02'
Chord =N 53°21'45" W 48.28'
(GG) Arc =8.57', R =119.14'
Chord =N 67°01'30" W 8.56'
(HH) S 67°55'46" W - 16.14'
(II) Arc =16.07', R =166.83'
Chord =S 70°41'21" W 16.06'
(JJ) Arc =32.75', R =146.59'
Chord =S 67°02'56" W 32.68'
(KK) Arc =69.35', R =349.58'
Chord =S 54°57'57" W 69.23'
(LL) S 49°16'59" W - 4.30'
(MM) Arc =28.41', R =215.00'
Chord =S 45°29'51" W 28.39'
(NN) S 41°42'42" W - 39.91'
(OO) Arc =27.15', R =235.00'
Chord =S 45°01'16" W 27.13'
(PP) S 48°19'50" W - 31.30'
(QQ) Arc =23.68', R =215.00'
Chord =S 45°10'29" W 23.67'
(RR) S 42°01'08" W - 57.35'
(SS) Arc =22.23', R =368.76'
Chord =S 43°44'45" W 22.23'
(TT) S 65°59'53" E - 92.89'
(UU) Arc =61.13', R =327.02'
Chord =S 78°07'44" W 61.04'
(VV) S 72°46'26" W - 7.00'
(WW) Arc =30.49', R =436.74'
Chord =S 70°46'26" W 30.48'
(XX) N 83°29'02" E - 52.41'
(YY) Arc =64.87', R =347.02'
Chord =N 78°07'44" E 64.77'
(ZZ) N 72°46'26" E - 7.00'
(AAA) Arc =28.69', R =456.74'
Chord =N 70°58'27" E 28.69'
(BBB) S 40°07'15" W - 94.82'

APPR. STA. 281+00
PI STA. 48+04.84
(X)= 5469764.0566
(Y)= 3667731.5924
D= 68° 35'26.61" RT
C= 25° 27'53.25"
T= 153.46'
L= 269.36'
R= 225.00'
E= 47.35'
e= 8.0%
Runoff= 145'
Runout= 36'

SEE R93 FOR ENTR. LT STA. 48+40 (OFF APPR. 280+00) PROFILE INFORMATION

ENTR. LT. STA. 48+40
P.O.B. (X) 5469888.5845
(Y) 3667851.6599
P.O.E. (X) 5469806.9470
(Y) 3667669.0802

SEE R93 FOR ENTR. RT STA. 56+60 (OFF APPR. 280+00) PROFILE INFORMATION

ENTR. RT. STA. 56+60
P.O.B. (X) 5470512.2967
(Y) 3667350.8615
P.O.E. (X) 5470533.3525
(Y) 3667253.1034

APPR. LT. & RT. STA. 56+60.00 = (BATES VICKERS ROAD)
ENTR. RT. STA. 20+00.00

APPR. STA. 281+00
PI STA. 54+00.33
(X)= 5470214.4170
(Y)= 3667286.7021
D= 56° 48'17.96" RT
C= 11° 27'32.96"
T= 270.38'
L= 495.72'
R= 500.00'
E= 68.42'
e= 6.2%
Runoff= 113'
Runout= 36'

MAINLINE STA. 280+00.00 = APPR. LT. & RT. STA. 50+00.00 (BATES VICKERS RD)

APPR. LT. & RT. STA. 48+40.00 = (BATES VICKERS ROAD)
ENTR. LT. STA. 20+00.00

APPR. LT. & RT. STA. 43+23.00 = (BATES VICKERS ROAD)
ENTR. LT. STA. 20+00.00

ENTR. LT. STA. 43+23
P.O.B. (X) 5469283.0948
(Y) 3667627.4629
P.O.E. (X) 5469323.6741
(Y) 3667536.0664

SEE R93 FOR ENTR. LT STA. 43+23 (OFF APPR. 280+00) PROFILE INFORMATION

BEGIN CONST. STA. 42+90.00

END CONST. STA. 57+40.00

SEE R84 FOR APPR. LT & RT STA. 280+00 (BATES VICKERS RD) PROFILE INFORMATION

MARJORIE MADDEN, GALE MADDEN BOGGS, RICKY BOGGS, & CHRIS BOGGS (P 97)

JAMES E. & SHEILA STRONG (P 96)

TIM & RHONDA NEELEY (P 161)

TO BOONEVILLE

58+00 55+00 45+00 42+50 280+00 275+00

ENTRANCE CONSTRUCTION				
LT/RT	STATION LOCATION	WIDTH	SQYD ASPHALT	ENTRANCE PIPE
LT	43+23 (APPR. 280+00)	14'	86	NONE
LT	48+80 (APPR. 280+00)	14'	277	18" - 103 LF

ENTRANCE CONSTRUCTION (TRAFFIC BOUND BASE)				
LT/RT	STATION LOCATION	WIDTH	SQYD TBB	ENTRANCE PIPE
RT	56+60 (APPR. 280+00)	14'	23	NONE

REMOVE PAVEMENT			
LT/RT	STATION LOCATION	SQYD	TYPE
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)			
LT	45+75 - 48+30	380	GRAVEL

GUARDRAIL CONSTRUCTION						
LT/RT	BEGINNING STATION	BEGINNING TREATMENT	ENDING STATION	ENDING TREATMENT	PAY LENGTH	GUARDRAIL TYPE
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)						
LT	43+32	T.S. NO. 1	48+32	T.S. NO. 1	550'	STEEL W BEAM
LT	50+66.5	MATCH MAINLINE	54+38	TY 7	325'	STEEL W BEAM
RT	43+50	TY 7	49+25.5	MATCH MAINLINE	525'	STEEL W BEAM
RT	50+85	MATCH MAINLINE	56+50	T.S. NO. 1	575'	STEEL W BEAM

DITCH CONSTRUCTION							
LT/RT	STA TO STA	SIZE/TYPE	CHANNEL LINING				CLASS B CONC.
			TYPE	D	T	QUANTITY	
APPR. LT. & RT. STA. 280+00 (BATES VICKERS RD)							
LT	43+50 - 44+50	SPEC V	CL IV	0.5'	2'	30 CUYD	-
LT	44+50 - 47+00	2' FB	CL IV	0.5'	2'	111 CUYD	-
LT	47+00	2.5' INLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-
LT	47+00 - 48+00	2' FB	CL IV	0.5'	2'	44 CUYD	-
LT	48+82 - 49+25	2' FB	CL IV	0.5'	2'	19 CUYD	-
LT	50+48 - 57+40	2' FB	CL IV	1.0'	2'	410 CUYD	-
RT	47+00	2.5' OUTLET DT	CL IV	1.5'	2'	SEE PIPE SHEET	-

• DITCH LINING NOT REQUIRED IF DURABLE ROCK IS ENCOUNTERED

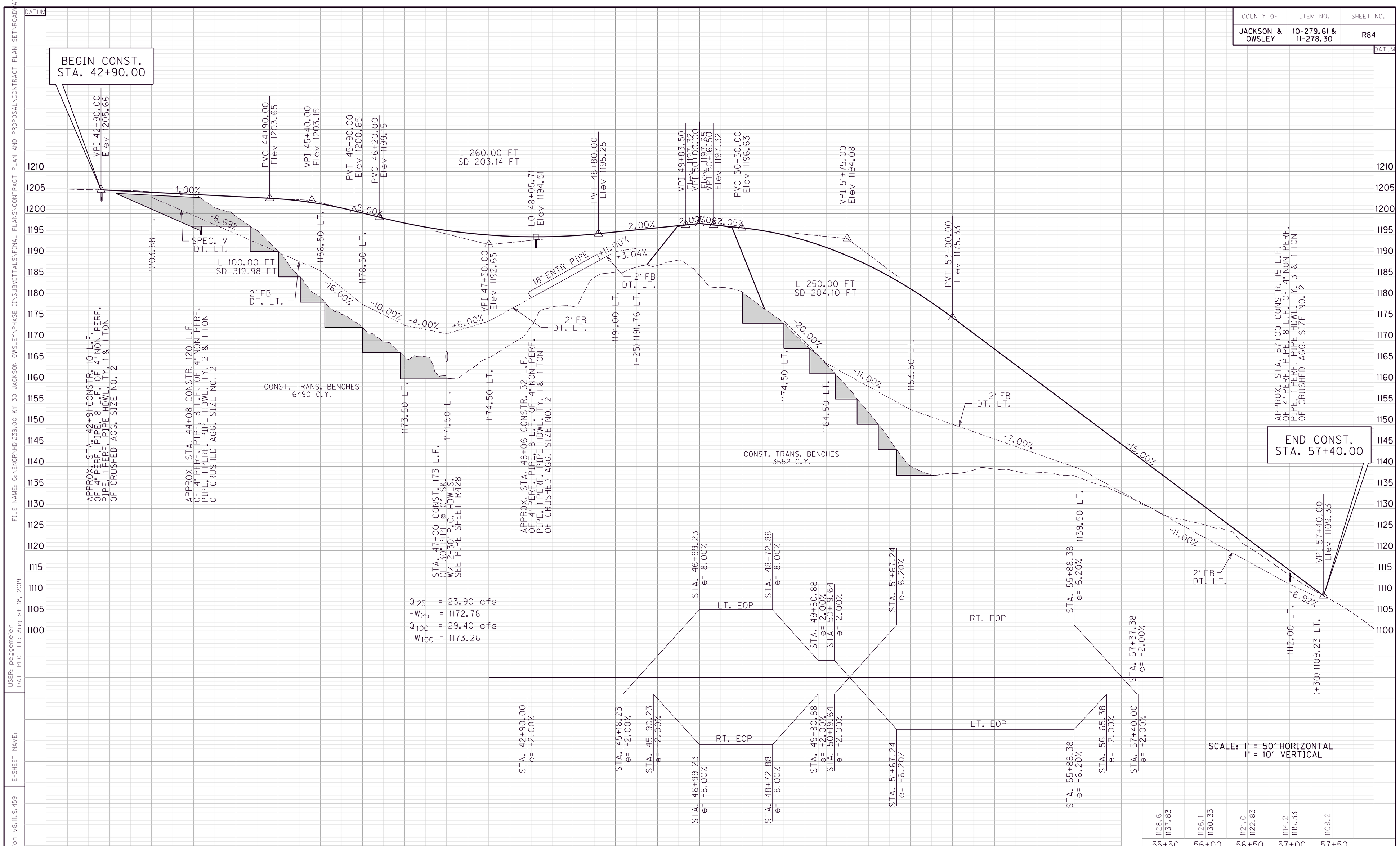
0' 50' 100' 200'

SCALE: 1"=50'

APPR. LT. & RT. STA. 280+00
BATES VICKERS ROAD
STA. 43+10 TO STA. 27+30

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R84



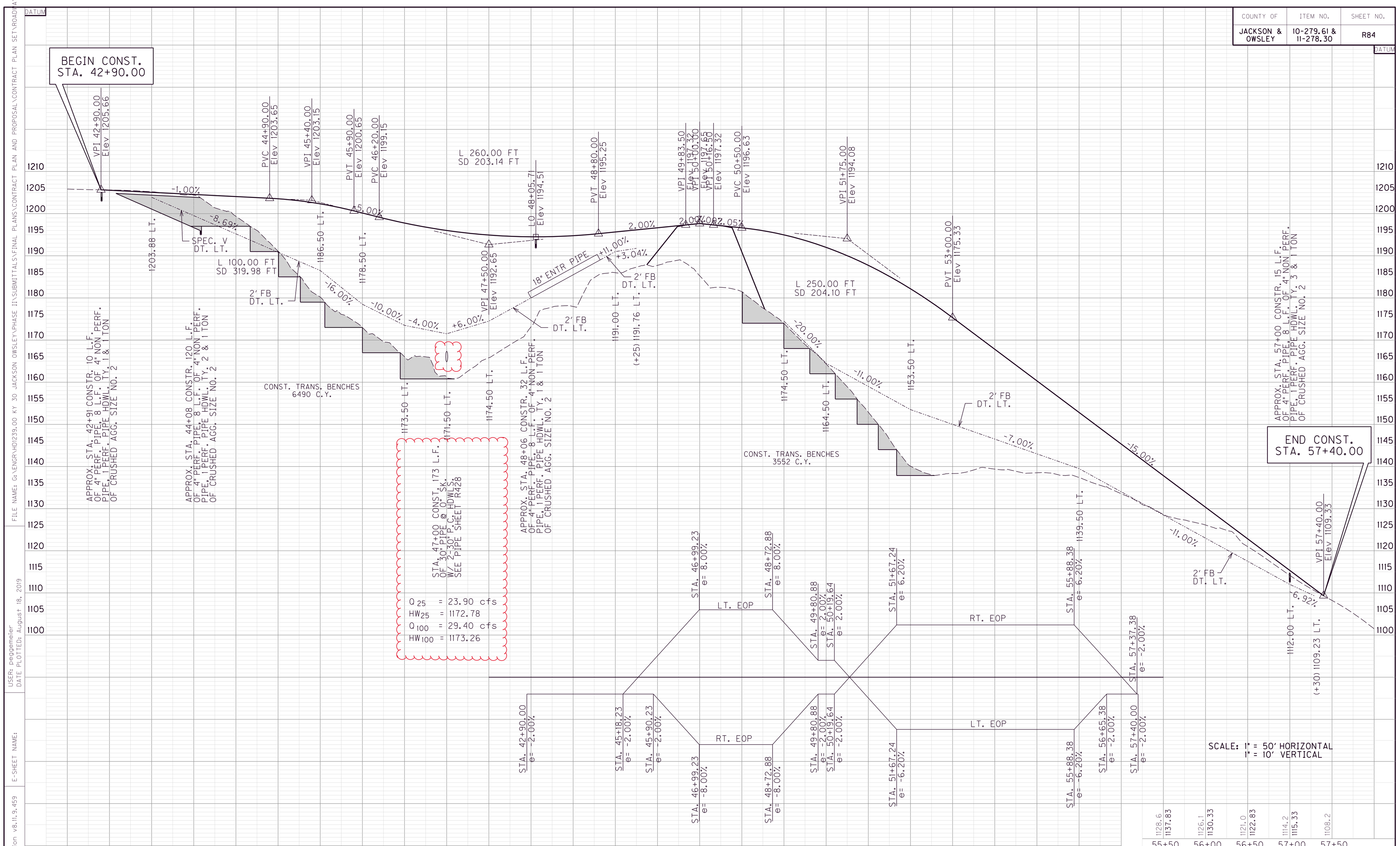
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R84



APPR. LT. & RT. STA. 280+00
BATES VICKERS ROAD
STA. 43+10.00 TO STA. 57+30.00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

USER: peggemeier
DATE PLOTTED: August 18, 2019

E-SHEET NAME:

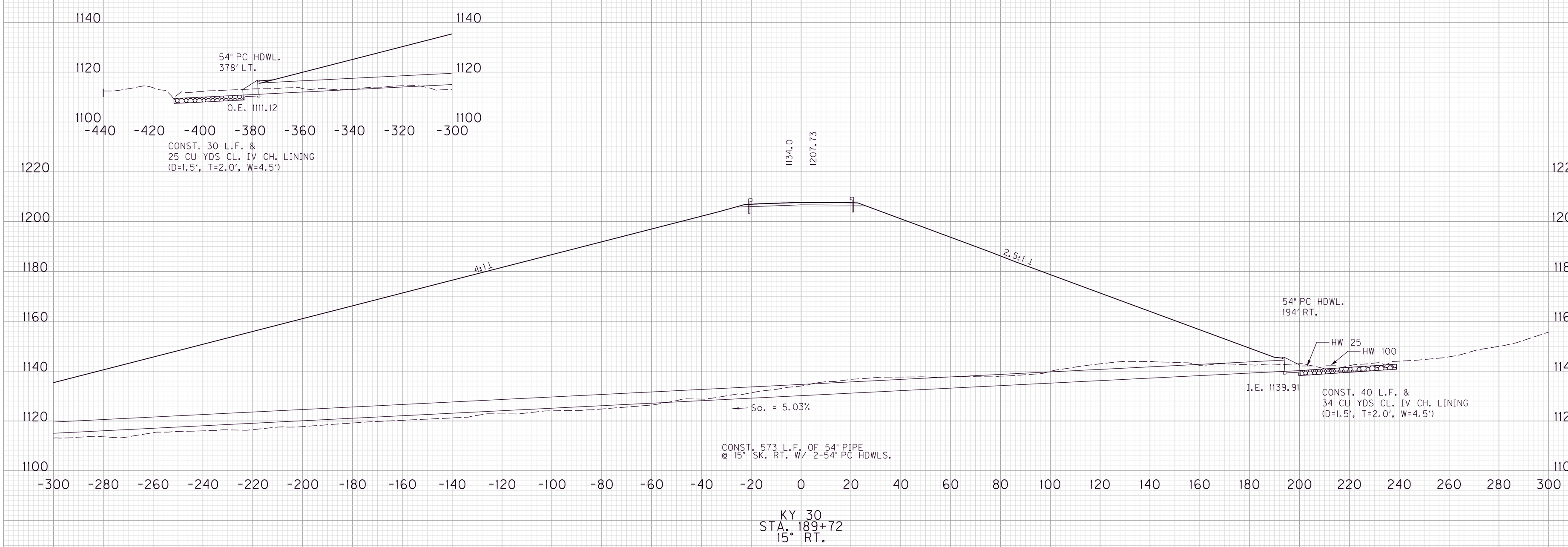
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R380

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
73.1	M						573										2							178		59			2040

FLOOD EVALUATION DATA DRAINAGE AREA = 21.1 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	28.70	1142.09	10.15
CHECK	100	35.50	1142.38	10.79
ALLOWABLE HEADWATER (FT) = 1150.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 189+72

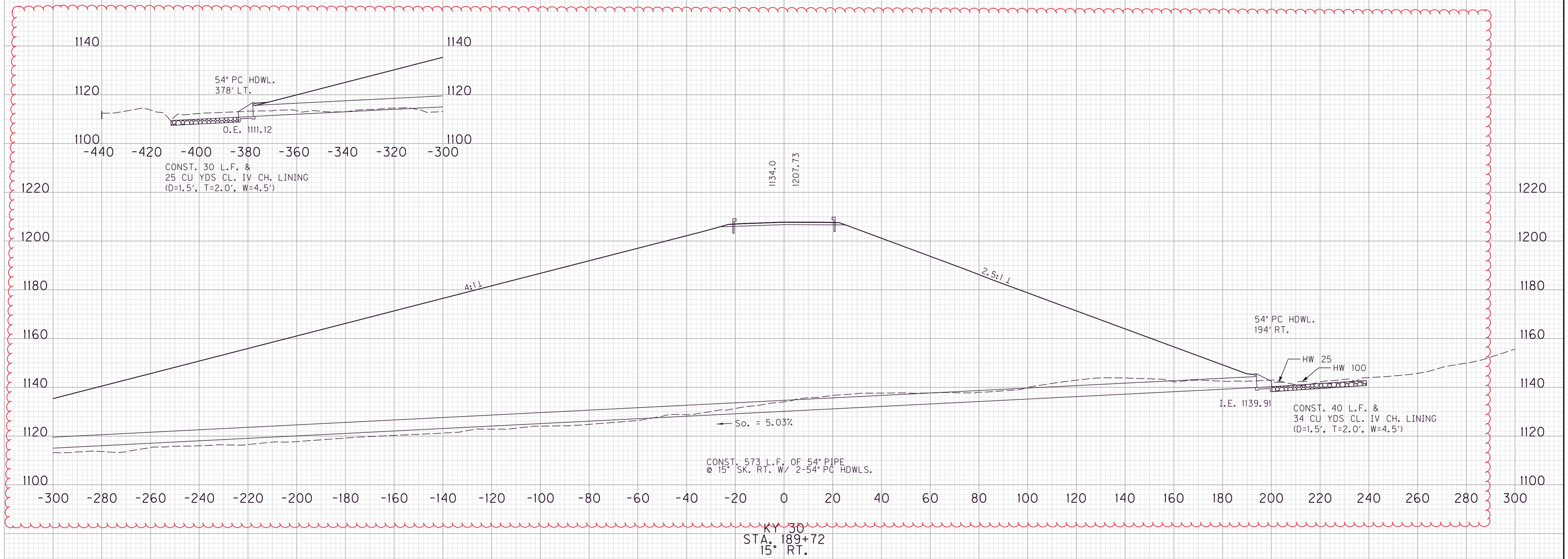
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R380

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 54"	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		LINEAR FEET										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
73.1	M						573										2							178		59			2040

FLOOD EVALUATION DATA DRAINAGE AREA = 21.1 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	28.70	1142.09	10.15
CHECK	100	35.50	1142.38	10.79
ALLOWABLE HEADWATER (FT) = 1150.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 189+72

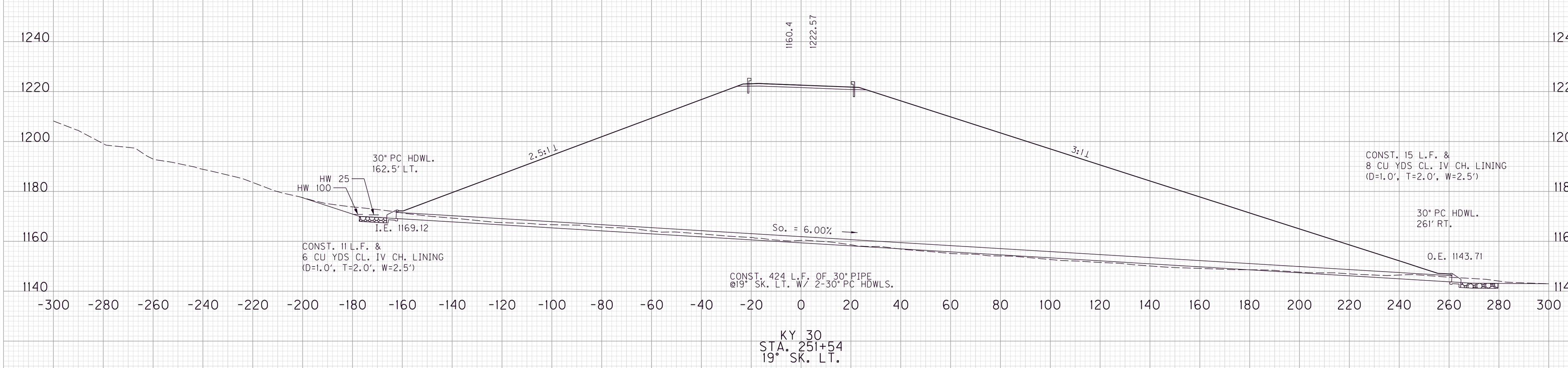
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 19, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R384

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 54"	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
60.3	M			424										2										89		14			848

FLOOD EVALUATION DATA DRAINAGE AREA = 7.05 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	10.30	1170.59	13.98
CHECK	100	12.40	1170.77	14.84
ALLOWABLE HEADWATER (FT) = 1182.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 251+54

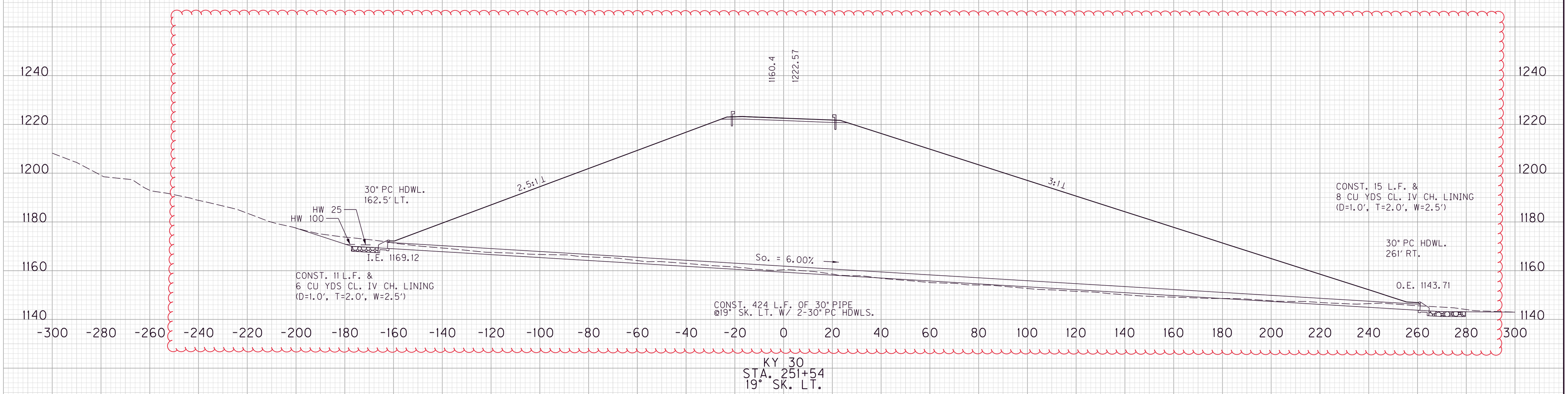
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R384

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 54"	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		LINEAR FEET										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
60.3	M			424										2										89		14			848

FLOOD EVALUATION DATA DRAINAGE AREA = 7.05 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	10.30	1170.59	13.98
CHECK	100	12.40	1170.77	14.84
ALLOWABLE HEADWATER (FT) = 1182.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 251+54

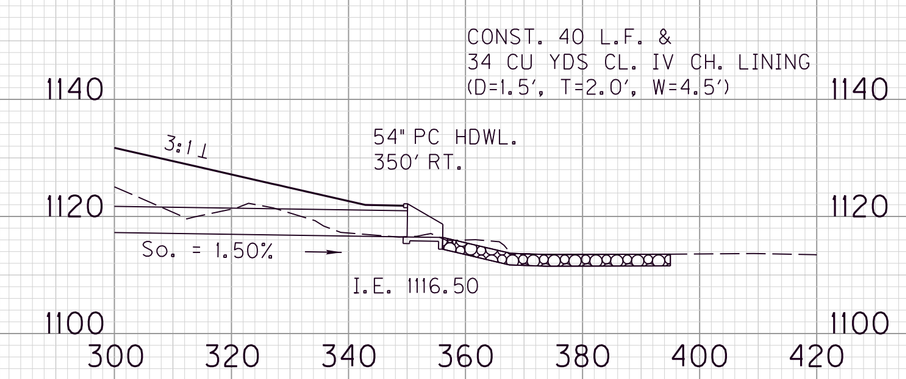
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAYPR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

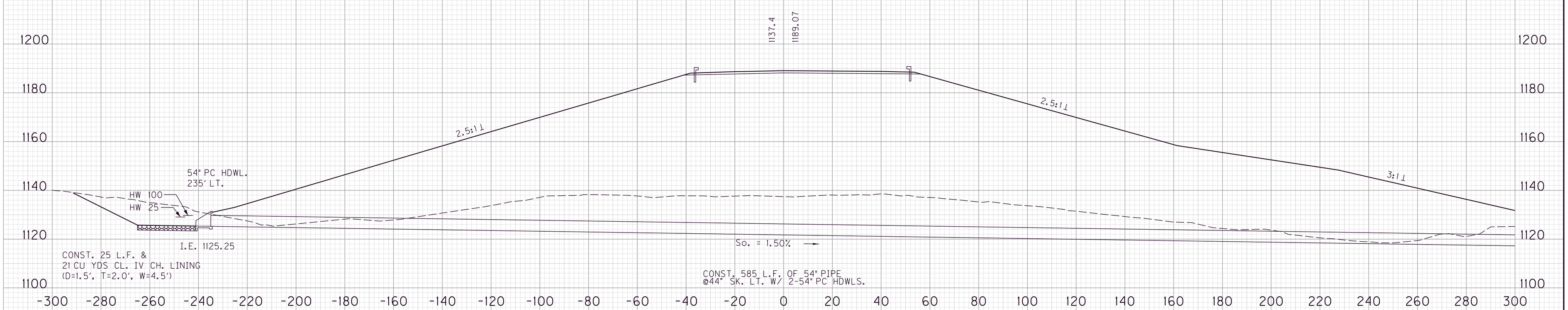
PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R388

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
62.9	M						585										2							671		55			2015

FLOOD EVALUATION DATA DRAINAGE AREA = 44.44 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	68.80	1129.07	8.32
CHECK	100	84.90	1129.69	8.74
ALLOWABLE HEADWATER (FT) = 1138.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			





KY 30
STA. 274+92
44° SK. LT.

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 274+92

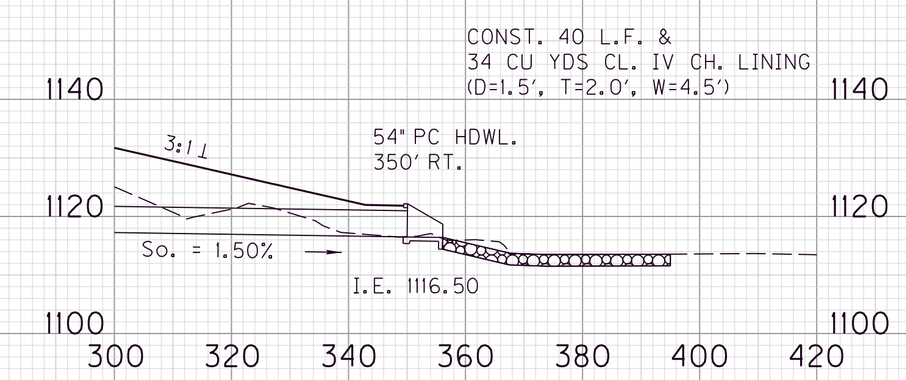
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

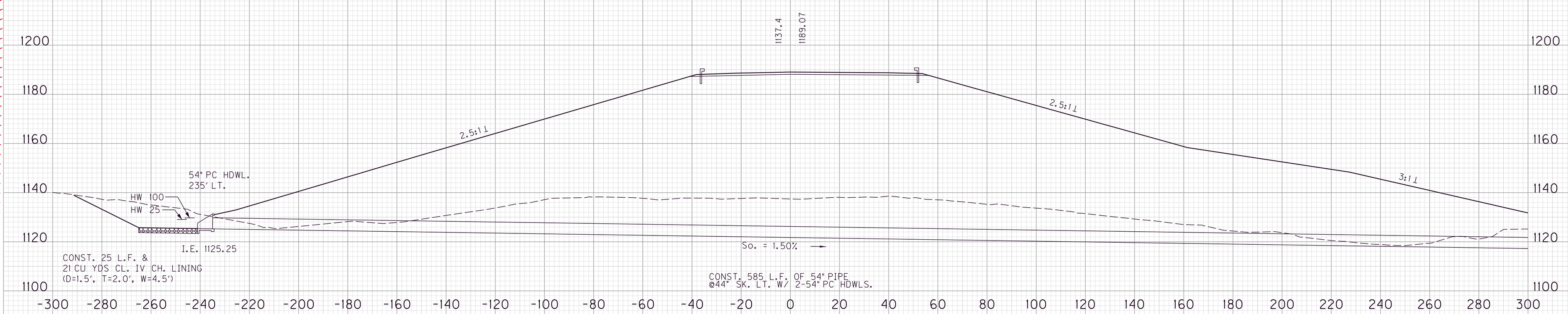
PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R388

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
62.9	M						585										2							671		55			2015

FLOOD EVALUATION DATA DRAINAGE AREA = 44.44 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	68.80	1129.07	8.32
CHECK	100	84.90	1129.69	8.74
ALLOWABLE HEADWATER (FT) = 1138.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			





KY 30
STA. 274+92
44° SK. LT.

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 274+92

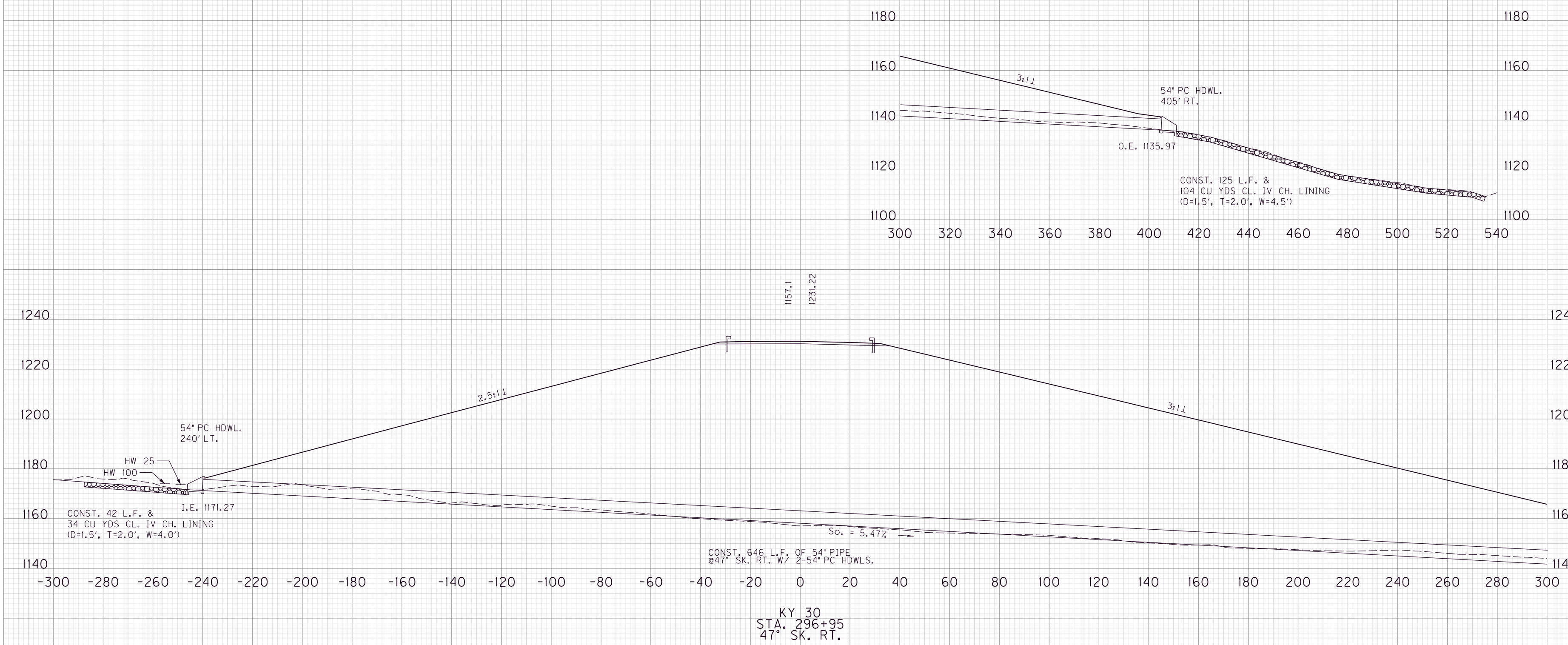
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R390

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
68.1	M						646										2							149		138			2300

FLOOD EVALUATION DATA DRAINAGE AREA = 27.48 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	37.70	1173.64	18.51
CHECK	100	46.50	1173.99	19.68
ALLOWABLE HEADWATER (FT) = 1182.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 296+95

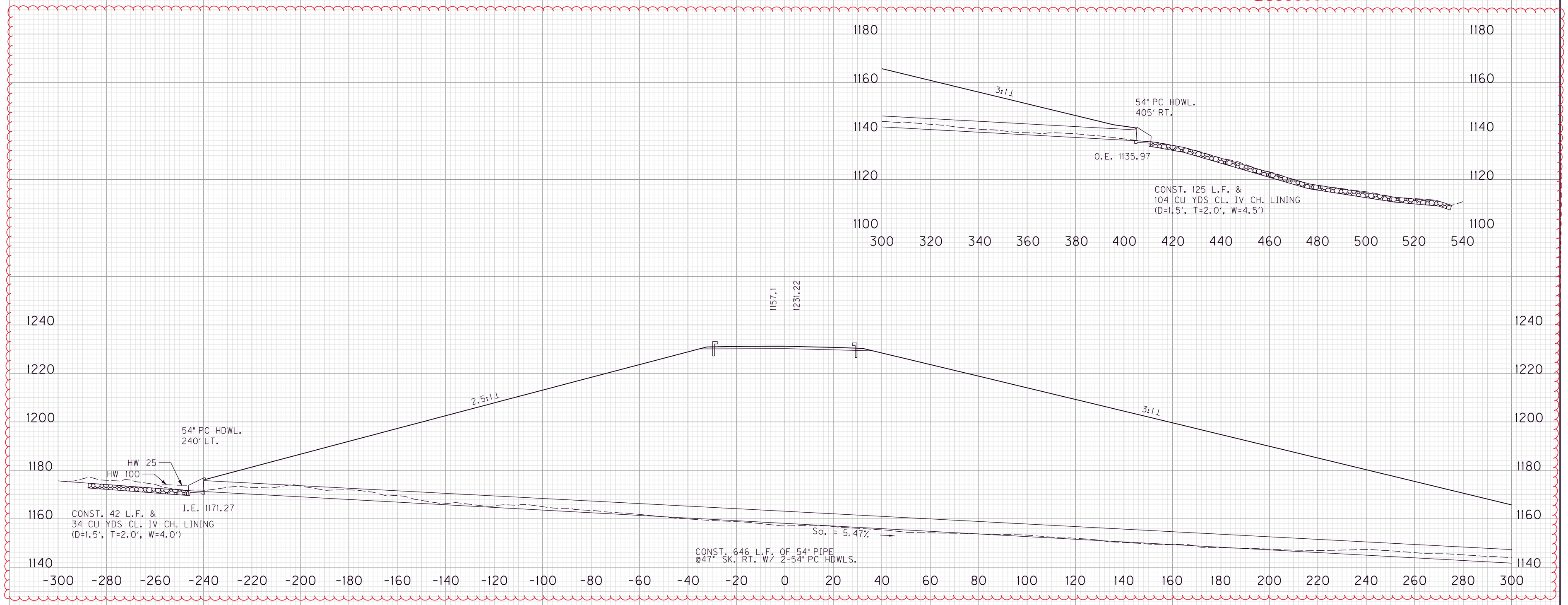
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R390

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
68.1	M						646										2							149		138			2300

FLOOD EVALUATION DATA DRAINAGE AREA = 27.48 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	37.70	1173.64	18.51
CHECK	100	46.50	1173.99	19.68
ALLOWABLE HEADWATER (FT) = 1182.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 296+95

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R404

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	36"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 36"	PC HDWL 42"	PC HDWL 48"		S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	STANDARD HEADWALL	DBI TYPE 5D	ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T											EACH	EACH	EACH	EACH	EACH	EACH		EACH	EACH	EACH	EACH	CUYD	TON	CUYD	CUYD	SQYD	SQYD
36.9	M				267											2								52		41			595

FLOOD EVALUATION DATA DRAINAGE AREA = 15.08 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	24.80	1077.31	11.18
CHECK	100	29.80	1077.60	11.30
ALLOWABLE HEADWATER (FT) = 1078.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			

KY 30
STA. 489+86
40° SK. LT.

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 489+86

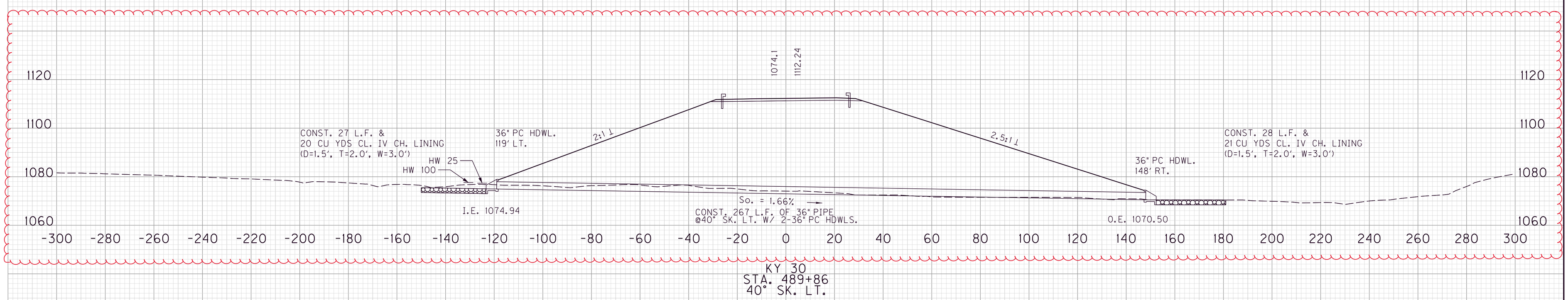
MicroStation v8.11.9.459 E-SHEET NAME: USER: peggemeier DATE PLOTTED: August 18, 2019 FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R404

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	24"	30"	36"	42"	48"	54"	ENTRANCE PIPE 15"	18"	24"	30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 36"	PC HDWL 42"	PC HDWL 48"		S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	STANDARD HEADWALL	DBI TYPE 5D	ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T											EACH	EACH	EACH	EACH	EACH	EACH		EACH	EACH	EACH	EACH	CUYD	TON	CUYD	CUYD	SQYD	SQYD
36.9	M				267											2								52		41			595

FLOOD EVALUATION DATA DRAINAGE AREA = 15.08 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	24.80	1077.31	11.18
CHECK	100	29.80	1077.60	11.30
ALLOWABLE HEADWATER (FT) = 1078.00				
BASIS FOR AHW	PROPOSED ROW ELEVATION			



KY 30
STA. 489+86
40° SK. LT.

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
MAINLINE KY 30
STA. 489+86

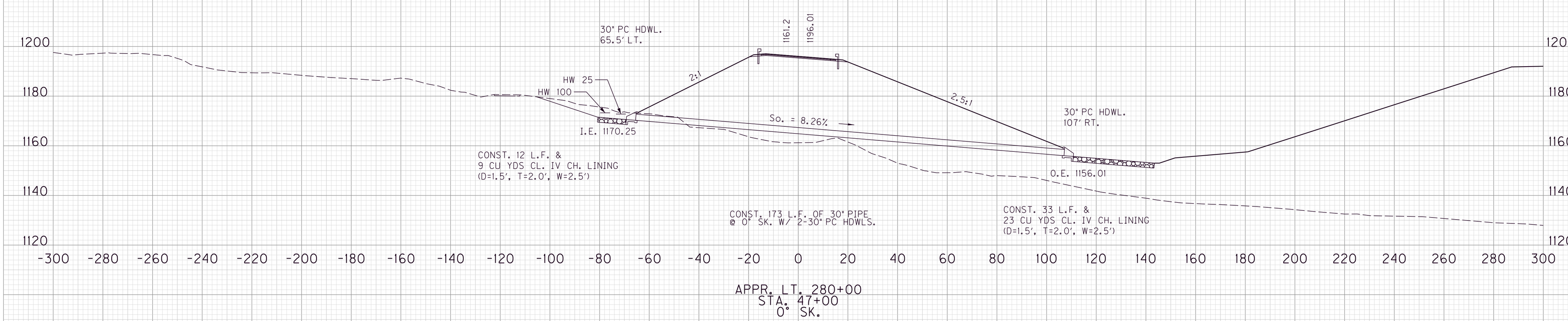
MicroStation v8.11.9.459 E-SHEET NAME: USER: peggemeier DATE PLOTTED: August 18, 2019 FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R428

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 54"	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		L I N E A R F E E T										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
28.6	M			173										2										39		32			346

FLOOD EVALUATION DATA DRAINAGE AREA = 13.67 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	23.90	1172.78	18.28
CHECK	100	29.40	1173.26	19.49
ALLOWABLE HEADWATER (FT) = 1179.50				
BASIS FOR AHW	EXISTING KY 30 SUBGRADE ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
APPR. LT. 280+00
STA. 47+00

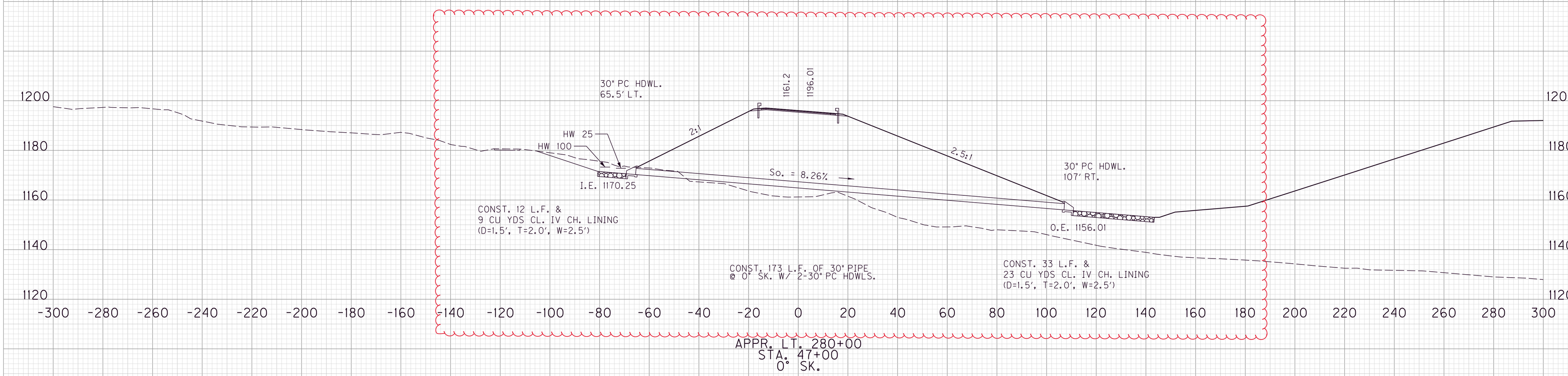
FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAYPR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JACKSON & OWSLEY	10-279.61 & 11-278.30	R428

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 54"	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	PC HDWL 18"	PC HDWL 24"	PC HDWL 30"	PC HDWL 42"	PC HDWL 48"	PC HDWL 54"	18" SLOPED BOX OUTLET TYPE 1	S&F BOX I/O 18 IN	S&F BOX I/O 24 IN	S&F BOX I/O 42 IN	DBI TYPE 5D		ROADWAY EXCAVATION	CHANNEL LINING CLASS II	CHANNEL LINING CLASS IV	CONCRETE CLASS 'B'	GEOTEXTILE FABRIC TY. I	GEOTEXTILE FABRIC TY. IV FOR PIPE
FT		LINEAR FEET										EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		CUYD	TON	CUYD	CUYD	SQYD	SQYD
28.6	M			173										2										39		32			346

FLOOD EVALUATION DATA DRAINAGE AREA = 13.67 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	23.90	1172.78	18.28
CHECK	100	29.40	1173.26	19.49
ALLOWABLE HEADWATER (FT) = 1179.50				
BASIS FOR AHW	EXISTING KY 30 SUBGRADE ELEVATION			



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

PIPE SHEET
APPR. LT. 280+00
STA. 47+00

FILE NAME: G:\ENGR\HD1239.00 KY 30 JACKSON OWSLEY\PHASE II\SUBMITTALS\FINAL PLANS\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\PR
USER: peggemeier
DATE PLOTTED: August 18, 2019
E-SHEET NAME:
MicroStation v8.11.9.459