



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 22, 2015

CALL NO. 306
CONTRACT ID NO. 151056
ADDENDUM # 1

Subject: Floyd County, JL04 036 0680 NEW LOC
Letting September 25, 2015

- (1) Revised - Plan Sheets - R2C, R2E, R15, R17 & R40
- (2) Added - Plan Sheets - R16A, X285, X286, X287, X288, X289, X290,
X291, X292, X293, X294, X295, & X296
- (3) Revised - Bid Items - Pages 97-99 of 99

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

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R2C

REVISED 9/21/15

ITEM CODE	ITEM	UNIT	MAINLINE	APPROACH STA. 240+00	APPR TO HEAD OF LITTLE MUD CREEK ROAD						PROJECT TOTAL						
2545	CLEARING & GRUBBING ①	LP SUM	1								1						
2200	ROADWAY EXCAVATION ②	CU YD	3352221	36285	1910						3390416						
2242	WATER ③	M GAL	100								100						
2351	GUARDRAIL- STEEL W BEAM-S FACE	LIN FT	8637.5								8637.5						
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	7								7						
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	7								7						
2488	CHANNEL LINING CLASS IV ④	CU YD	23137								23137						
2475	PLUG WATER WELL ⑧	EACH	2								2						
2568	MOBILIZATION	LP SUM	1								1						
2569	DEMOBILIZATION	LP SUM	1								1						
2650	MAINTAIN & CONTROL TRAFFIC	LP SUM	1								1						
2726	STAKING	LP SUM	1								1						
2562	TEMPORARY SIGNS	SQ FT	40.5								40.5						
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	88								88						
2430	RIGHT-OF-WAY MONUMENT TYPE 1A	EACH	3								3						
2432	WITNESS POST	EACH	91								91						
20458ES4	03 CENTERLINE RUMBLE STRIPS	LIN FT	11600								11600						
2404	SEPTIC TANK TREATMENT ⑨	EACH	1								1						
5950	EROSION CONTROL BLANKET	SQ YD	3775								3775						
6510	PAVE STRIPING - TEMP PAINT 4-IN	LIN FT	20000								20000						
6514	PAVE STRIPING - PERM PAINT 4-IN	LIN FT	46125								46125						
20667ED	PNEUMATIC BACKSTOWING	TON	3500								3500						
1010	NON-PERFORATED PIPE 4 IN ⑥	LIN FT	2000								2000						
5985	SEEDING AND PROTECTION	SQ YD	404000								404000						
5953	TEMP SEEDING AND PROTECTION	SQ YD	100000								100000						
5963	INITIAL FERTILIZER	TON	12.5								12.5						
5964	20-10-10 FERTILIZER	TON	21								21						
5992	AGRICULTURAL LIMESTONE	TON	250								250						
5952	TEMPORARY MULCH	SQ YD	487908								487908						
2159	TEMPORARY DITCH	LIN FT	5200								5200						
2703	SILT TRAP TYPE A	EACH	100								100						
2706	CLEAN SILT TRAP TYPE A	EACH	300								300						
2704	SILT TRAP TYPE B	EACH	100								100						
2707	CLEAN SILT TRAP TYPE B	EACH	300								300						
2705	SILT TRAP TYPE C	EACH	100								100						
2708	CLEAN SILT TRAP TYPE C	EACH	300								300						
2701	TEMP SILT FENCE	LIN FT	5200								5200						
2709	CLEAN TEMP SILT FENCE	LIN FT	5200								5200						
1987	DELINEATOR FOR GUARDRAIL B/W	EACH	172								172						
6591	PAVEMENT MARKER TYPE V-BY	EACH	290								290						
6589	PAVEMENT MARKER TYPE V-MW	EACH	148								148						
2696	SHOULDER RUMBLE STRIPS - SAWED	LIN FT	23200								23200						
0078	CRUSHED AGGREGATE SIZE NO. 2 ⑤	TON	120								120						
1002ONS	FUEL ADJUSTMENT	DOLL	652442								652442						
1003ONS	ASPHALT ADJUSTMENT	DOLL	129861								129861						
20209EP69	GRANULAR PILE CORE	CU YD	587								587						
2585	EDGE KEY	LIN FT	58.2								58.2						
2007IEC	JOINT ADHESIVE	LIN FT	46050								46050						

① THE MAJORITY OF THE TREES WERE CUT UNDER A SEPARATE CONTRACT, BUT ANY REMAINING TREES WITHIN THE PROPOSED DISTURBED LIMITS SHALL BE CUT AS A PART OF THIS BID ITEM. THE PROVISIONS OF SECTION 202 OF THE STANDARD SPECIFICATIONS APPLY TO THIS ITEM AND ALL CLEARING AND GRUBBING SHALL BE COMPLETED AS PER THE STANDARD SPECIFICATIONS. AREA IS APPROXIMATELY 98 ACRES.

② INCLUDES 1835 CU YD FROM DRAINAGE SUMMARY, 162,285 FROM EMBANKMENT BENCHING AND 113,798 CU YD FROM TRANSVERSE BENCHING.

③ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY

④ INCLUDES 4,690 CU.YDS. FROM DRAINAGE SUMMARY

⑤ INCLUDES 20 TONS FOR USE WITH PERFORATED PIPE HEADWALLS AND 100 TONS FOR CARRIED OVER FROM THE PAVING SUMMARY

⑥ FOR DRAINING BACKSTOWED MINE OPENINGS

⑦ TRANSVERSE BENCHING OVERLAPS EMBANKMENT BENCHING IN MANY LOCATIONS. FOR THESE OVERLAP LOCATIONS, THE EMBANKMENT BENCHING COVERS THE EXCAVATION QUANTITY, WITH THE EXCEPTION OF THE TOP BENCH WHICH IS INCLUDED IN THE TRANSVERSE BENCHING QUANTITY.

⑧ STA. 193+51.51, 155' RT
STA. 242+41.25, 56' LT

⑨ STA. 238+72, 28' LT

TOTAL PROJECT EARTHWORK

657,691 COMMON
2,453,649 ROCK
2,993 DITCHES
113,798 TRANSVERSE BENCHING ⑦
2,950,123 EMBANKMENT
162,285 EMBANKMENT BENCHING
67,935 ROCK ROADBED

ALL EARTHWORK QUANTITIES ARE FOR DESIGN PURPOSES ONLY

GENERAL SUMMARY

FILE NAME: X:HIGHWAYS\PROJECTS\12301\12\UOL\FPEN\2012 PLAN SET\GENSUM.DGN

USER: Lorry
DATE PLOTTED: June 26, 2012

E-SHEET NAME:

MicroStation v8.5.2.35

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R2C

REVISED 9/21/15

ITEM CODE	ITEM	UNIT	MAINLINE	APPROACH STA. 240+00	APPR TO HEAD OF LITTLE MUD CREEK ROAD						PROJECT TOTAL						
2545	CLEARING & GRUBBING ①	LP SUM	1								1						
2200	ROADWAY EXCAVATION ②	CU YD	3352221	36285	1910						3390416						
2242	WATER ③	M GAL	100								100						
2351	GUARDRAIL- STEEL W BEAM-S FACE	LIN FT	8637.5								8637.5						
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	7								7						
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	7								7						
2488	CHANNEL LINING CLASS IV ④	CU YD	23137								23137						
2475	PLUG WATER WELL ⑧	EACH	2								2						
2568	MOBILIZATION	LP SUM	1								1						
2569	DEMOBILIZATION	LP SUM	1								1						
2650	MAINTAIN & CONTROL TRAFFIC	LP SUM	1								1						
2726	STAKING	LP SUM	1								1						
2562	TEMPORARY SIGNS	SQ FT	40.5								40.5						
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	88								88						
2430	RIGHT-OF-WAY MONUMENT TYPE 1A	EACH	3								3						
2432	WITNESS POST	EACH	91								91						
20458ES4	03 CENTERLINE RUMBLE STRIPS	LIN FT	11600								11600						
2404	SEPTIC TANK TREATMENT ⑨	EACH	1								1						
5950	EROSION CONTROL BLANKET	SQ YD	3775								3775						
6510	PAVE STRIPING - TEMP PAINT 4-IN	LIN FT	20000								20000						
6514	PAVE STRIPING - PERM PAINT 4-IN	LIN FT	46125								46125						
20667ED	PNEUMATIC BACKSTOWING	TON	3500								3500						
1010	NON-PERFORATED PIPE 4 IN ⑥	LIN FT	2000								2000						
5985	SEEDING AND PROTECTION	SQ YD	404000								404000						
5953	TEMP SEEDING AND PROTECTION	SQ YD	100000								100000						
5963	INITIAL FERTILIZER	TON	12.5								12.5						
5964	20-10-10 FERTILIZER	TON	21								21						
5992	AGRICULTURAL LIMESTONE	TON	250								250						
5952	TEMPORARY MULCH	SQ YD	487908								487908						
2159	TEMPORARY DITCH	LIN FT	5200								5200						
2703	SILT TRAP TYPE A	EACH	100								100						
2706	CLEAN SILT TRAP TYPE A	EACH	300								300						
2704	SILT TRAP TYPE B	EACH	100								100						
2707	CLEAN SILT TRAP TYPE B	EACH	300								300						
2705	SILT TRAP TYPE C	EACH	100								100						
2708	CLEAN SILT TRAP TYPE C	EACH	300								300						
2701	TEMP SILT FENCE	LIN FT	5200								5200						
2709	CLEAN TEMP SILT FENCE	LIN FT	5200								5200						
1987	DELINEATOR FOR GUARDRAIL B/W	EACH	172								172						
6591	PAVEMENT MARKER TYPE V-BY	EACH	290								290						
6589	PAVEMENT MARKER TYPE V-MW	EACH	148								148						
2696	SHOULDER RUMBLE STRIPS - SAWED	LIN FT	23200								23200						
0078	CRUSHED AGGREGATE SIZE NO. 2 ⑤	TON	120								120						
1002ONS	FUEL ADJUSTMENT	DOLL	652442								652442						
1003ONS	ASPHALT ADJUSTMENT	DOLL	129861								129861						
20209EP69	GRANULAR PILE CORE	CU YD	587								587						
2585	EDGE KEY	LIN FT	58.2								58.2						
2007IEC	JOINT ADHESIVE	LIN FT	46050								46050						

- ① THE MAJORITY OF THE TREES WERE CUT UNDER A SEPARATE CONTRACT, BUT ANY REMAINING TREES WITHIN THE PROPOSED DISTURBED LIMITS SHALL BE CUT AS A PART OF THIS BID ITEM. THE PROVISIONS OF SECTION 202 OF THE STANDARD SPECIFICATIONS APPLY TO THIS ITEM AND ALL CLEARING AND GRUBBING SHALL BE COMPLETED AS PER THE STANDARD SPECIFICATIONS. AREA IS APPROXIMATELY 98 ACRES.
- ② INCLUDES 1835 CU YD FROM DRAINAGE SUMMARY, 162,285 FROM EMBANKMENT BENCHING AND 113,798 CU YD FROM TRANSVERSE BENCHING.
- ③ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ④ INCLUDES 4,690 CU.YDS. FROM DRAINAGE SUMMARY
- ⑤ INCLUDES 20 TONS FOR USE WITH PERFORATED PIPE HEADWALLS AND 100 TONS FOR CARRIED OVER FROM THE PAVING SUMMARY
- ⑥ FOR DRAINING BACKSTOWED MINE OPENINGS
- ⑦ TRANSVERSE BENCHING OVERLAPS EMBANKMENT BENCHING IN MANY LOCATIONS. FOR THESE OVERLAP LOCATIONS, THE EMBANKMENT BENCHING COVERS THE EXCAVATION QUANTITY, WITH THE EXCEPTION OF THE TOP BENCH WHICH IS INCLUDED IN THE TRANSVERSE BENCHING QUANTITY.
- ⑧ STA. 193+51.51, 155' RT
STA. 242+41.25, 56' LT
- ⑨ STA. 238+72, 28' LT

TOTAL PROJECT EARTHWORK

657,691 COMMON
 2,453,649 ROCK
 2,993 DITCHES
 113,798 TRANSVERSE BENCHING ⑦
 2,950,123 EMBANKMENT
 162,285 EMBANKMENT BENCHING
 67,935 ROCK ROADBED

ALL EARTHWORK QUANTITIES ARE FOR DESIGN PURPOSES ONLY

GENERAL SUMMARY

FILE NAME: X:\HIGHWAYS\PROJECTS\12301\12\UOL\OPEN\2012 PLAN SET\GENSUM.DGN
 USER: LARRY
 DATE PLOTTED: June 26, 2012
 E-SHEET NAME:
 MicroStation v8-5.2.35

PIPE DRAINAGE SUMMARY

REVISED 9-15-15

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R2E

FILE NAME: X:\HIGHWAYS\PROJECTS\2301-2E\2301.15\CONTRACT PLAN SET\ROADWAY\RD020ESU.DGN
 USER: Kotte
 DATE PLOTTED: September 14, 2015
 E-SHEET NAME:
 MicroStation v8.11.7.443

SHEET NO.	LOCATION	SKEW	DESIGN PH LEVEL	COVER HEIGHT	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	STEEL STRUCTURAL PLATE PIPE ARCH	ENTRANCE PIPE	ENTRANCE PIPE	ENTRANCE PIPE	PERFORATED PIPE	NON-PERFORATED PIPE	PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN EQUIV	PIPE CULVERT HEADWALL-42 IN	PERFORATED PIPE HEADWALL 8" - TYPE 1	S & F BOX INLET - OUTLET 18"	S & F BOX INLET - OUTLET 24"	S & F BOX INLET - OUTLET 30"	DROP BOX INLET		METAL END SECTION TYPE 1 - 15"	METAL END SECTION TYPE 1 - 18"	CLASS A CONCRETE	STEEL REINFORCEMENT	CHANNEL LINING CLASS IV	DITCH EXCAVATION	GEOTEXTILE - FABRIC TYPE IV FOR PIPE	PIPELINE INSPECTION	REMARKS																							
					18"	24"	30"	42"	48"	(42" x 29" PIPE ARCH)	15"	18"	24"	8"	8"	18"	24"	30"	36"	42"	18"	24"	30"	TYPE 1	TYPE 2																																		
	ITEM CODE				462	464	466	469	476	496	22534EN	440	441	443	1002	1012	1204	1208	1210	1213	1214		1022	1450	1451	1452	1490	1493	1370	1371		8100	8150	2488	2200	2600	24814EC																						
	UNIT TO BID				LINEAR FOOT												EACH																																										
MAINLINE																																																											
69	157+50	0°	M	6.8		96																																																					
70	163+50	0°	M	5.4		84																																																					
71	171+50	0°	M	13.6		102													1																																								
72	175+50	0°	M	8.2			112																																																				
73	193+00	0°	M	64.7				484																																																			
74	202+50	0°	M	48.7		382																																																					
75	206+79	0°	M	43.5		349																																																					
76	209+84	0°	M	29.2		220																																																					
77	214+10	10° LT.	M	17.7	293																																																						
78	216+50	18° LT.	M	21.1	168																																																						
78	220+40	0°	M	19.0	148																																																						
79	224+50	0°	M	25.8		188																																																					
79	228+00	0°	M	3.5	74																																																						
80	232+43	0°	M	27.5		182																																																					
80	236+25	15° RT.	M	19.9	153																																																						
81	241+28	15° LT.	M	25.7		168																																																					
81	246+47	30° RT.	M	11.5		114																																																					
	SUBTOTAL				1056	1295	482	484									8	8	4		2																																						
APPR. RT. STA. 240+00																																																											
82	52+16	25° RT.	M	48.6				337																																																			
83	57+81	40° LT.	M	27.2				203																																																			
84	69+00	0°	M	2.6				46																																																			
	SUBTOTAL							540	46																																																		
APPR. TO HEAD OF LITTLE MUD CREEK ROAD																																																											
85	52+36	15° RT.	M	3.5				42																																																			
	SUBTOTAL							42																																																			
MISCELLANEOUS																																																											
	ENTRANCES											162	109	96																																													
	TRANSVERSE BENCHING DRAINS														1652	698																																											
	TOTAL PROJECT				1056	1295	482	484	540	46	42	162	109	96	1652	698	8	8	4	2	2		20	4	4	1	3	1	1	1	65.79	4779	4690	1835	10399	3363																							

① TOTALS FOR THESE ITEMS ARE CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY.
 ② FOR WRAPPING PIPE TRENCH BACKFILL

PIPE DRAINAGE SUMMARY

REVISED 9-15-15

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R2E

SHEET NO.	LOCATION	SKEW	DESIGN PH LEVEL	COVER HEIGHT	CULVERT PIPE 18"	CULVERT PIPE 24"	CULVERT PIPE 30"	CULVERT PIPE 42"	CULVERT PIPE 48"	CULVERT PIPE 36IN EQUIV. (42" x 29" PIPE ARCH)	STEEL STRUCTURAL PLATE PIPE ARCH (8'-2" x 5'-9")	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	PERFORATED PIPE 8"	NON-PERFORATED PIPE 8"	PIPE CULVERT HEADWALL-18" IN	PIPE CULVERT HEADWALL-24" IN	PIPE CULVERT HEADWALL-30" IN	PIPE CULVERT HEADWALL-36" IN EQUIV	PIPE CULVERT HEADWALL-42" IN		PERFORATED PIPE HEADWALL 8" - TYPE 1	S & F BOX INLET - OUTLET 18"	S & F BOX INLET - OUTLET 24"	S & F BOX INLET - OUTLET 30"	DROP BOX INLET		METAL END SECTION TYPE 1 - 15"	METAL END SECTION TYPE 1 - 18"	CLASS A CONCRETE	STEEL REINFORCEMENT	CHANNEL LINING CLASS IV ①	DITCH EXCAVATION ①	GEOTEXTILE FABRIC TYPE IV FOR PIPE ②	PIPELINE INSPECTION	REMARKS																															
					462	464	466	469	476	496	22534EN	440	441	443	1002	1012	1204	1208	1210	1213	1214		1022	1450	1451	1452	1490	1493	1370	1371		8100	8150	2488	2200	2600		24814EC																														
UNIT TO BID					LINEAR FOOT																	EACH										CY	LB	CY	CY	SQ YD	LIN FT																															
MAINLINE																																																																				
69	157+50	0°	M	6.8		96																																																														
70	163+50	0°	M	5.4		84																																																														
71	171+50	0°	M	13.6		102																																																														
72	175+50	0°	M	8.2			112																																																													
73	193+00	0°	M	64.7				484																																																												
74	202+50	0°	M	48.7		382																																																														
75	206+79	0°	M	43.5		349																																																														
76	209+84	0°	M	29.2	220																																																															
77	214+10	10° LT.	M	17.7	293																																																															
78	216+50	18° LT.	M	21.1	168																																																															
78	220+40	0°	M	19.0	148																																																															
79	224+50	0°	M	25.8			188																																																													
79	228+00	0°	M	3.5	74																																																															
80	232+43	0°	M	27.5			182																																																													
80	236+25	15° RT.	M	19.9	153																																																															
81	241+28	15° LT.	M	25.7	168																																																															
81	246+47	30° RT.	M	11.5	114																																																															
	SUBTOTAL				1056	1295	482	484										8	8	4		2																																														
APPR. RT. STA. 240+00																																																																				
82	52+16	25° RT.	M	48.6																																																																
83	57+81	40° LT.	M	27.2																																																																
84	69+00	0°	M	2.6																																																																
	SUBTOTAL																																																																			
APPR. TO HEAD OF LITTLE MUD CREEK ROAD																																																																				
85	52+36	15° RT.	M	3.5																																																																
	SUBTOTAL																																																																			
MISCELLANEOUS																																																																				
	ENTRANCES											162	109	96																																																						
	TRANSVERSE BENCHING DRAINS																																																																			
	TOTAL PROJECT				1056	1295	482	484	540	46	42	162	109	96	1652	698	8	8	4	2	2		20	4	4	1	3	1	1	1																																						

① TOTALS FOR THESE ITEMS ARE CARRIED OVER AND INCLUDED IN THE GENERAL SUMMARY.
 ② FOR WRAPPING PIPE TRENCH BACKFILL

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2\EV\2301.15\DRSUMV6.DGN
 USER: Liso
 DATE PLOTTED: September 14, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

REVISED 9/21/15

CONST. ENT.	(WID.)	TRAFFIC BOUND BASE	E. PIPE	MES TYPE I
LT. STA. 223+71.70, R=35'	(12')	258 TON	48" - 15"	1 - 15"
			96" - 24"	-

PI STA 46+93.26
 $\Delta = 73^{\circ}42'41"$
 $T = 37.48'$
 $L = 69.33'$
 $R = 12.49'$
 $E = N/A$
 $e = N/A$
 Runoff= N/A
 Runout= N/A

PI STA 47+67.46
 $\Delta = 38^{\circ}42'57"$
 $T = 17.57'$
 $L = 33.79'$
 $R = 3.00'$
 $E = N/A$
 $e = N/A$
 Runoff= N/A
 Runout= N/A

PI STA 49+22.47
 $\Delta = 10^{\circ}25'56"$
 $T = 9.13'$
 $L = 18.21'$
 $R = 100.00'$
 $E = 0.42'$
 $e = N/A$
 Runoff= N/A
 Runout= N/A

DITCH CONSTRUCTION						
LT	RT	LIMITS TO STATION	LINING TYPE	QUANTITY	DEPTH	THICKNESS (CH.CH.)
X		210+00 - 211+00	CLASS IV**	276 CU YD	2.0'	4.0' (*) 8' FB
X		211+00 - 212+90	CLASS IV**	716 CU YD	3.0'	4.0' (*) 8' FB
X		210+00 - 210+75	CLASS IV	63 CU YD	1.0'	2.0' 2' FB
X		212+75 - 214+30	CLASS IV	125 CU YD	1.0'	2.0' 2' FB
X		214+10 PIPE INLET	CLASS IV	13 CU YD	1.0'	2.0' 2' FB
X		214+10 PIPE OUTLET	CLASS IV	32 CU YD	2.0'	2.0' 2' FB
X		214+30 - 215+60	E.C. BLANKET	116 SQ YD	1.0'	- V
X		215+60 - 216+70	CLASS IV	85 CU YD	1.0'	2.0' 2' FB
X		216+50 PIPE INLET	CLASS IV	3 CU YD	1.0'	2.0' 2' FB
X		215+53 - 216+78	CLASS IV	117 CU YD	1.0'	2.0' 2' FB
X		219+80 - 220+10	E.C. BLANKET	28 SQ YD	1.0'	- V
X		219+90 - 220+18	E.C. BLANKET	25 SQ YD	1.0'	- V
X		220+18 - 221+13	CLASS IV	90 CU YD	1.0'	2.0' 2' FB
X		220+40 PIPE INLET	CLASS IV	5 CU YD	1.0'	2.0' 2' FB
X		220+40 PIPE OUTLET	CLASS IV	31 CU YD	1.0'	2.0' 2' FB
X		220+10 - 221+10	CLASS IV	109 CU YD	1.0'	2.0' 2' FB
X		221+25 - 222+25	E.C. BLANKET	47 SQ YD	1.0'	- V
X		223+50 - 224+15	CLASS IV	75 CU YD	1.0'	2.0' 2' FB
X		223+96 - 225+00	CLASS IV	92 CU YD	1.0'	2.0' 2' FB
X		224+50 PIPE INLET	CLASS IV	85 CU YD	1.0'	2.0' 3' FB
X		224+50 PIPE OUTLET	CLASS IV	67 CU YD	1.0'	2.0' 2' FB

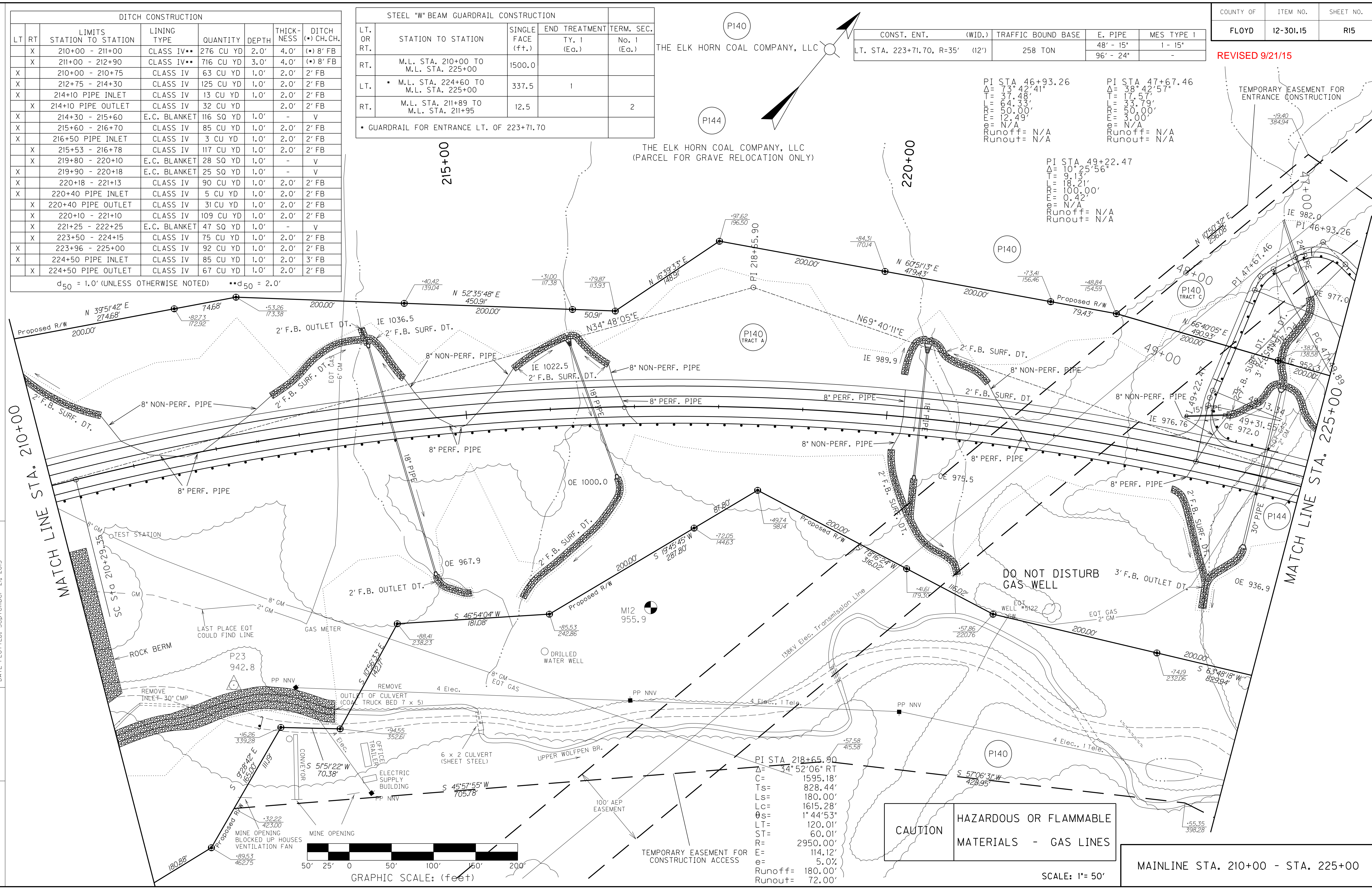
d₅₀ = 1.0' (UNLESS OTHERWISE NOTED) **d₅₀ = 2.0'

STEEL "W" BEAM GUARDRAIL CONSTRUCTION				
LT. OR RT.	STATION TO STATION	SINGLE FACE (ft.)	END TREATMENT TY. 1 (Eq.)	TERM. SEC. No. 1 (Eq.)
RT.	M.L. STA. 210+00 TO M.L. STA. 225+00	1500.0		
LT.	M.L. STA. 224+60 TO M.L. STA. 225+00	337.5	1	
RT.	M.L. STA. 211+89 TO M.L. STA. 211+95	12.5		2

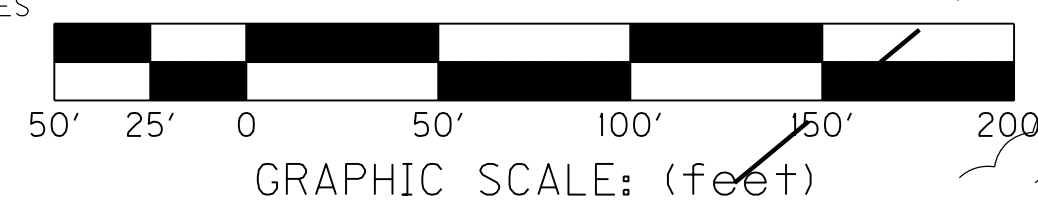
* GUARDRAIL FOR ENTRANCE LT. OF 223+71.70

THE ELK HORN COAL COMPANY, LLC

THE ELK HORN COAL COMPANY, LLC
 (PARCEL FOR GRAVE RELOCATION ONLY)



CAUTION HAZARDOUS OR FLAMMABLE MATERIALS - GAS LINES



SCALE: 1" = 50'

MAINLINE STA. 210+00 - STA. 225+00

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\12301.15\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\REVISION\01500PL.DGN
 USER: Liso
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

REVISED 9/21/15

DITCH CONSTRUCTION						
LT	RT	LIMITS TO STATION	LINING TYPE	QUANTITY	DEPTH	THICKNESS (*) CH. CH.
X		210+00 - 211+00	CLASS IV**	276 CU YD	2.0'	4.0' (*) 8' FB
X		211+00 - 212+90	CLASS IV**	716 CU YD	3.0'	4.0' (*) 8' FB
X		210+00 - 210+75	CLASS IV	63 CU YD	1.0'	2.0' 2' FB
X		212+75 - 214+30	CLASS IV	125 CU YD	1.0'	2.0' 2' FB
X		214+10 PIPE INLET	CLASS IV	13 CU YD	1.0'	2.0' 2' FB
X		214+10 PIPE OUTLET	CLASS IV	32 CU YD	2.0'	2' FB
X		214+30 - 215+60	E.C. BLANKET	116 SQ YD	1.0'	- V
X		215+60 - 216+70	CLASS IV	85 CU YD	1.0'	2.0' 2' FB
X		216+50 PIPE INLET	CLASS IV	3 CU YD	1.0'	2.0' 2' FB
X		215+53 - 216+78	CLASS IV	117 CU YD	1.0'	2.0' 2' FB
X		219+80 - 220+10	E.C. BLANKET	28 SQ YD	1.0'	- V
X		219+90 - 220+18	E.C. BLANKET	25 SQ YD	1.0'	- V
X		220+18 - 221+13	CLASS IV	90 CU YD	1.0'	2.0' 2' FB
X		220+40 PIPE INLET	CLASS IV	5 CU YD	1.0'	2.0' 2' FB
X		220+40 PIPE OUTLET	CLASS IV	31 CU YD	1.0'	2.0' 2' FB
X		220+10 - 221+10	CLASS IV	109 CU YD	1.0'	2.0' 2' FB
X		221+25 - 222+25	E.C. BLANKET	47 SQ YD	1.0'	- V
X		223+50 - 224+15	CLASS IV	75 CU YD	1.0'	2.0' 2' FB
X		223+96 - 225+00	CLASS IV	92 CU YD	1.0'	2.0' 2' FB
X		224+50 PIPE INLET	CLASS IV	85 CU YD	1.0'	2.0' 3' FB
X		224+50 PIPE OUTLET	CLASS IV	67 CU YD	1.0'	2.0' 2' FB

d₅₀ = 1.0' (UNLESS OTHERWISE NOTED) **d₅₀ = 2.0'

STEEL "W" BEAM GUARDRAIL CONSTRUCTION				
LT. OR RT.	STATION TO STATION	SINGLE FACE (ft.)	END TREATMENT TY. 1 (Eq.)	TERM. SEC. No. 1 (Eq.)
RT.	M.L. STA. 210+00 TO M.L. STA. 225+00	1500.0		
LT.	M.L. STA. 224+60 TO M.L. STA. 225+00	337.5	1	
RT.	M.L. STA. 211+89 TO M.L. STA. 211+95	12.5		2

* GUARDRAIL FOR ENTRANCE LT. OF 223+71.70

THE ELK HORN COAL COMPANY, LLC

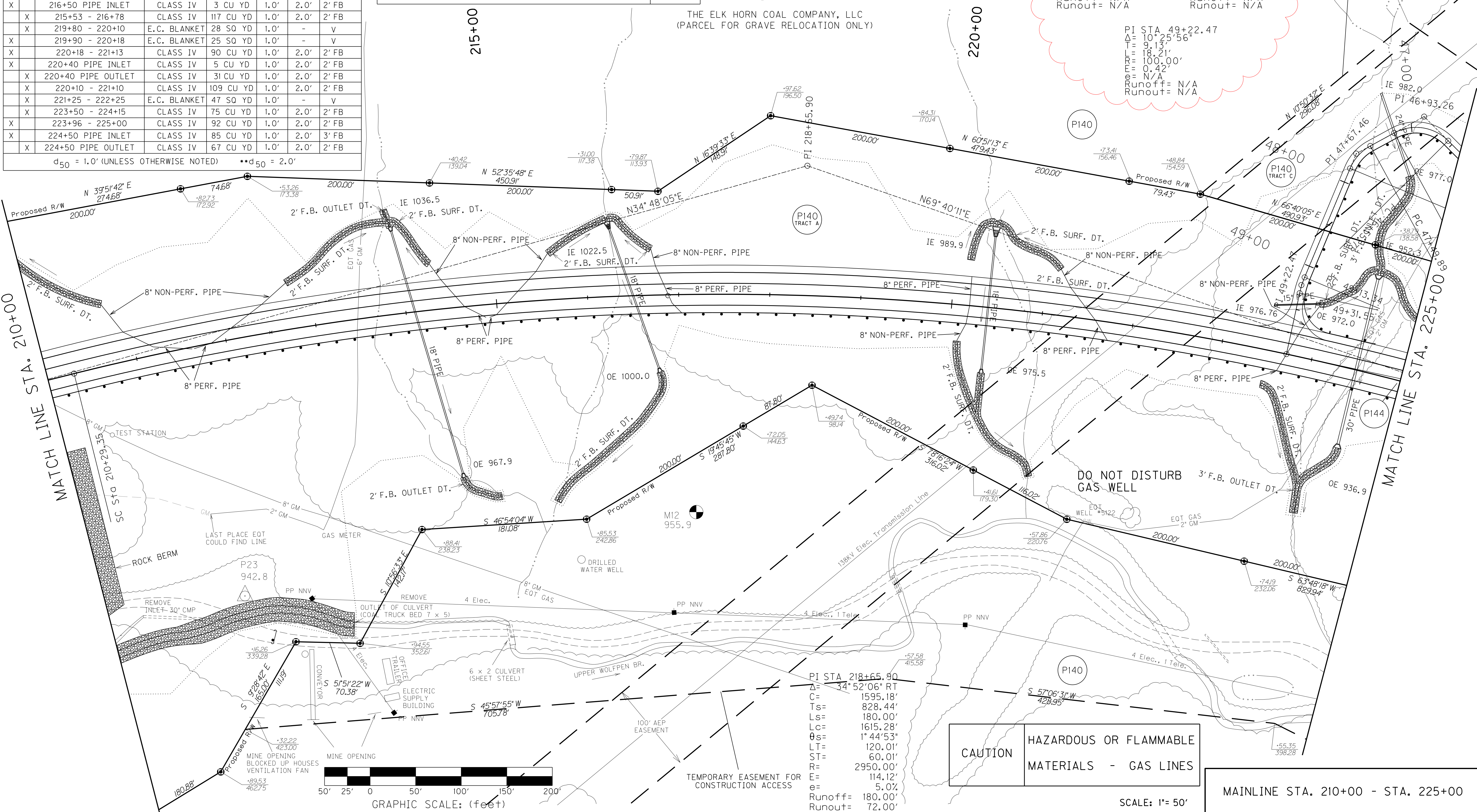
THE ELK HORN COAL COMPANY, LLC
(PARCEL FOR GRAVE RELOCATION ONLY)

CONST. ENT.	(WID.)	TRAFFIC BOUND BASE	E. PIPE	MES TYPE I
LT. STA. 223+71.70, R=35'	(12')	258 TON	48" - 15"	1 - 15"
			96" - 24"	-

PI STA 46+93.26
 $\Delta = 73^\circ 42' 41''$
 $T = 37.48'$
 $L = 69.30'$
 $R = 12.49'$
 $e = N/A$
 Runoff = N/A
 Runout = N/A

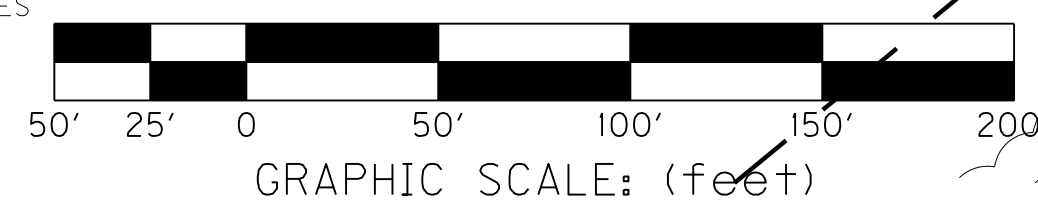
PI STA 47+67.46
 $\Delta = 38^\circ 42' 57''$
 $T = 17.57'$
 $L = 33.79'$
 $R = 30.00'$
 $e = N/A$
 Runoff = N/A
 Runout = N/A

PI STA 49+22.47
 $\Delta = 10^\circ 25' 56''$
 $T = 9.13'$
 $L = 18.21'$
 $R = 100.00'$
 $e = 0.42'$
 $e = N/A$
 Runoff = N/A
 Runout = N/A



CAUTION
 HAZARDOUS OR FLAMMABLE
 MATERIALS - GAS LINES

PI STA 218+65.90
 $\Delta = 34^\circ 52' 06''$ RT
 $C = 1595.18'$
 $T_s = 828.44'$
 $L_s = 180.00'$
 $L_c = 1615.28'$
 $\theta_s = 1^\circ 44' 53''$
 $LT = 120.01'$
 $ST = 60.01'$
 $R = 2950.00'$
 $E = 114.12'$
 $e = 5.0\%$
 Runoff = 180.00'
 Runout = 72.00'



SCALE: 1" = 50'

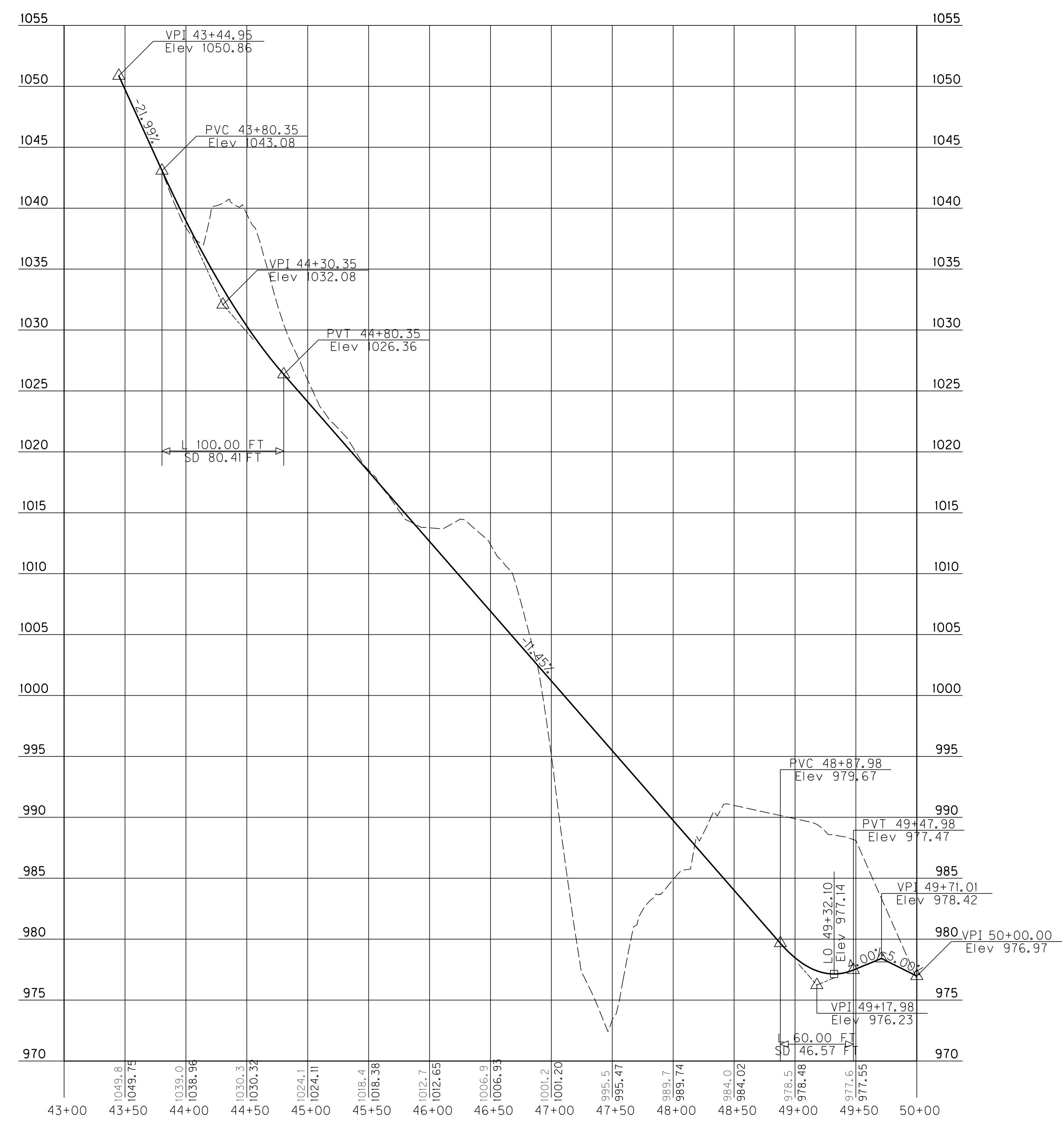
MAINLINE STA. 210+00 - STA. 225+00

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2\ELV2013\RO1500PL.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

SCALE: 1"=50' HORIZ.
1"=10' VERT.

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R16A

REVISED 9/21/15



FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ROI600PF.DGN

USER: Liso
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

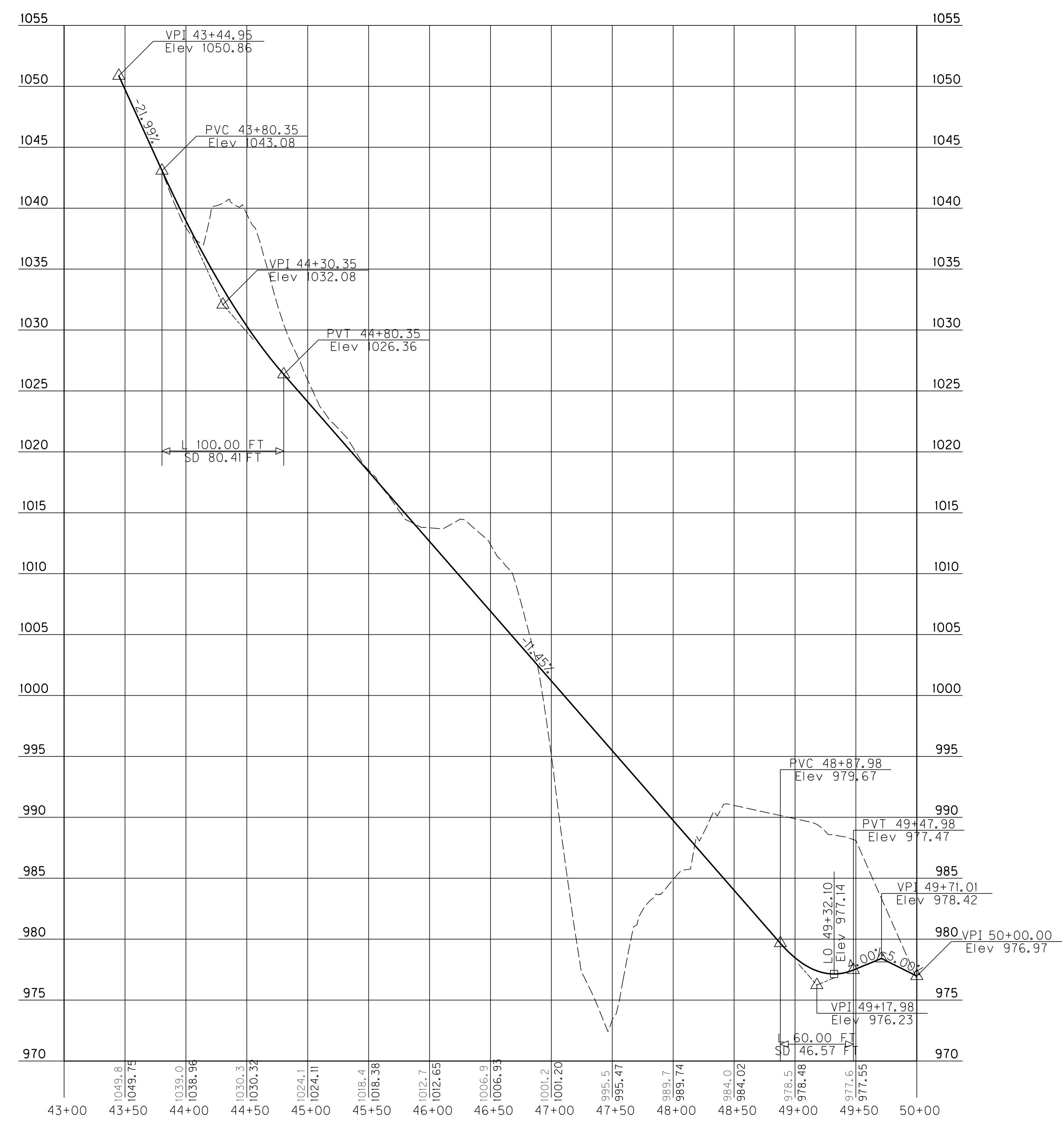
MicroStation v8.11.9.459

PROFILE ENTRANCE AT STA. 223+71.70

SCALE: 1"=50' HORIZ.
1"=10' VERT.

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R16A

REVISED 9/21/15



MicroStation v8.11.9.459
 E-SHEET NAME:
 USER: Liso
 DATE PLOTTED: September 18, 2015
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ROI600PF.DGN

PROFILE ENTRANCE AT STA. 223+71.70

REVISED 9/21/15

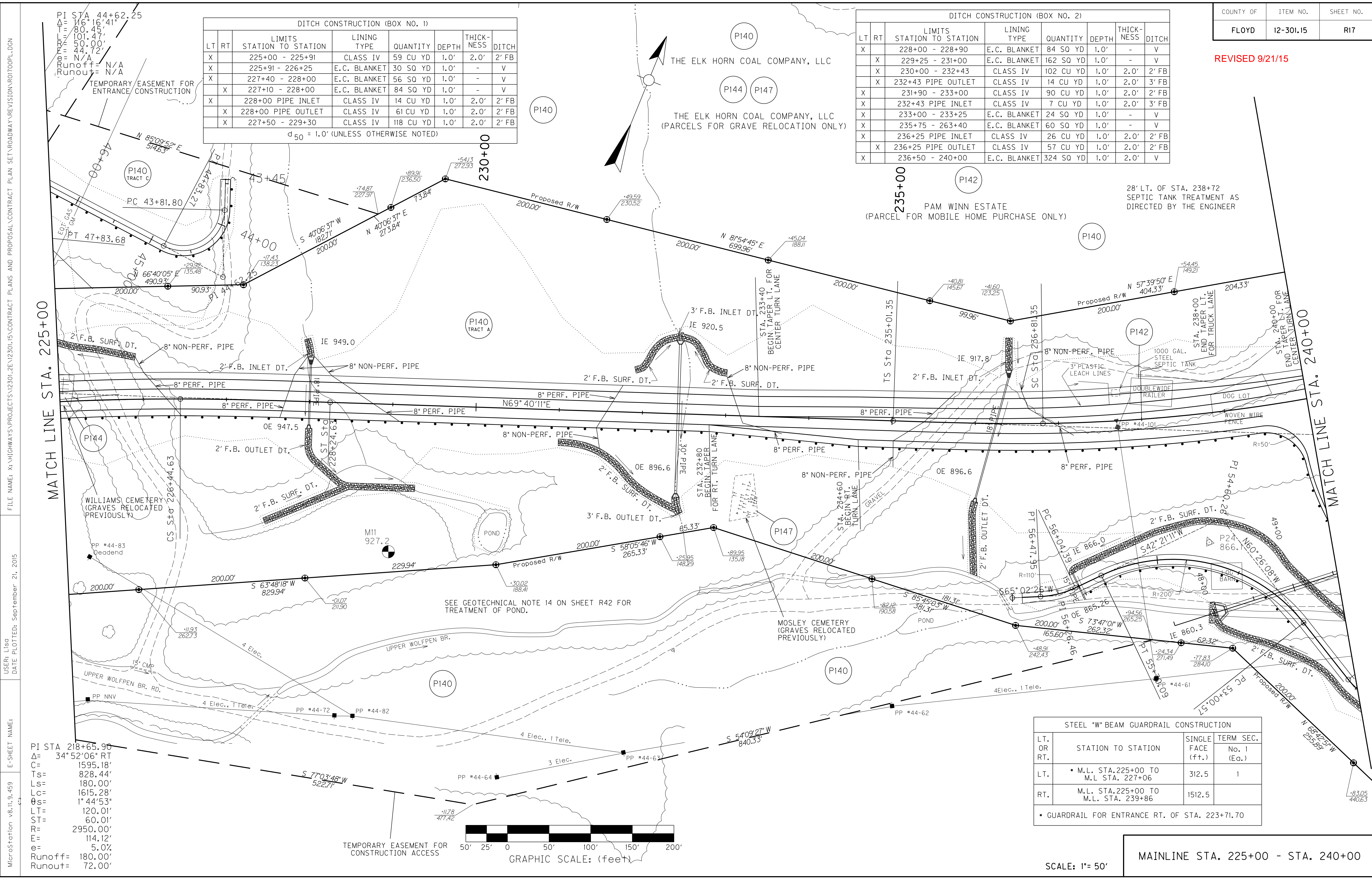
DITCH CONSTRUCTION (BOX NO. 1)

LT	RT	LIMITS	LINING TYPE	QUANTITY	DEPTH	THICK-NESS	DITCH
X		225+00 - 225+91	CLASS IV	59 CU YD	1.0'	2.0'	2' FB
X		225+91 - 226+25	E.C. BLANKET	30 SQ YD	1.0'	-	V
X		227+40 - 228+00	E.C. BLANKET	56 SQ YD	1.0'	-	V
X		227+10 - 228+00	E.C. BLANKET	84 SQ YD	1.0'	-	V
X		228+00 PIPE INLET	CLASS IV	14 CU YD	1.0'	2.0'	2' FB
X		228+00 PIPE OUTLET	CLASS IV	61 CU YD	1.0'	2.0'	2' FB
X		227+50 - 229+30	CLASS IV	118 CU YD	1.0'	2.0'	2' FB

d₅₀ = 1.0' (UNLESS OTHERWISE NOTED)

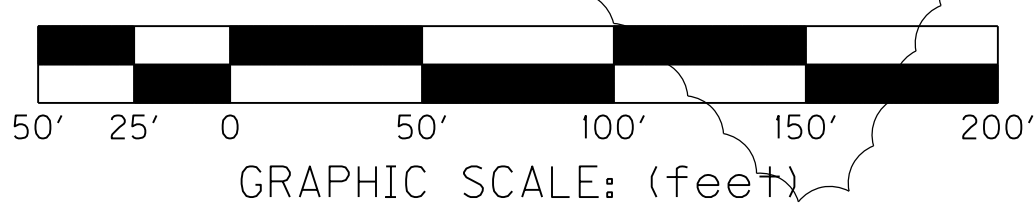
DITCH CONSTRUCTION (BOX NO. 2)

LT	RT	LIMITS	LINING TYPE	QUANTITY	DEPTH	THICK-NESS	DITCH
X		228+00 - 228+90	E.C. BLANKET	84 SQ YD	1.0'	-	V
X		229+25 - 231+00	E.C. BLANKET	162 SQ YD	1.0'	-	V
X		230+00 - 232+43	CLASS IV	102 CU YD	1.0'	2.0'	2' FB
X		232+43 PIPE OUTLET	CLASS IV	14 CU YD	1.0'	2.0'	3' FB
X		231+90 - 233+00	CLASS IV	90 CU YD	1.0'	2.0'	2' FB
X		232+43 PIPE INLET	CLASS IV	7 CU YD	1.0'	2.0'	3' FB
X		233+00 - 233+25	E.C. BLANKET	24 SQ YD	1.0'	-	V
X		235+75 - 263+40	E.C. BLANKET	60 SQ YD	1.0'	-	V
X		236+25 PIPE INLET	CLASS IV	26 CU YD	1.0'	2.0'	2' FB
X		236+25 PIPE OUTLET	CLASS IV	57 CU YD	1.0'	2.0'	2' FB
X		236+50 - 240+00	E.C. BLANKET	324 SQ YD	1.0'	2.0'	V



FILE NAME: X:\HIGHWAYS\PROJECTS\12301.15\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\REVISION\RD700PL.DGN
 USER: Liso
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

PI STA 218+65.90
 Δ = 34°52'06" RT
 C = 1595.18'
 Ts = 828.44'
 Ls = 180.00'
 Lc = 1615.28'
 θs = 1°44'53"
 LT = 120.01'
 ST = 60.01'
 R = 2950.00'
 E = 114.12'
 e = 5.0%
 Runoff = 180.00'
 Runout = 72.00'



STEEL "W" BEAM GUARDRAIL CONSTRUCTION

LT OR RT	STATION TO STATION	SINGLE FACE (ft.)	TERM SEC. No. 1 (Eq.)
LT.	M.L. STA. 225+00 TO M.L. STA. 227+06	312.5	1
RT.	M.L. STA. 225+00 TO M.L. STA. 239+86	1512.5	

• GUARDRAIL FOR ENTRANCE RT. OF STA. 223+71.70

SCALE: 1" = 50'

MAINLINE STA. 225+00 - STA. 240+00

REVISED 9/21/15

DITCH CONSTRUCTION (BOX NO. 1)

LT	RT	LIMITS	LINING TYPE	QUANTITY	DEPTH	THICK-NESS	DITCH
X		225+00 - 225+91	CLASS IV	59 CU YD	1.0'	2.0'	2' FB
X		225+91 - 226+25	E.C. BLANKET	30 SQ YD	1.0'	-	V
X		227+40 - 228+00	E.C. BLANKET	56 SQ YD	1.0'	-	V
X		227+10 - 228+00	E.C. BLANKET	84 SQ YD	1.0'	-	V
X		228+00 PIPE INLET	CLASS IV	14 CU YD	1.0'	2.0'	2' FB
X		228+00 PIPE OUTLET	CLASS IV	61 CU YD	1.0'	2.0'	2' FB
X		227+50 - 229+30	CLASS IV	118 CU YD	1.0'	2.0'	2' FB

d₅₀ = 1.0' (UNLESS OTHERWISE NOTED)

DITCH CONSTRUCTION (BOX NO. 2)

LT	RT	LIMITS	LINING TYPE	QUANTITY	DEPTH	THICK-NESS	DITCH
X		228+00 - 228+90	E.C. BLANKET	84 SQ YD	1.0'	-	V
X		229+25 - 231+00	E.C. BLANKET	162 SQ YD	1.0'	-	V
X		230+00 - 232+43	CLASS IV	102 CU YD	1.0'	2.0'	2' FB
X		232+43 PIPE OUTLET	CLASS IV	14 CU YD	1.0'	2.0'	3' FB
X		231+90 - 233+00	CLASS IV	90 CU YD	1.0'	2.0'	2' FB
X		232+43 PIPE INLET	CLASS IV	7 CU YD	1.0'	2.0'	3' FB
X		233+00 - 233+25	E.C. BLANKET	24 SQ YD	1.0'	-	V
X		235+75 - 263+40	E.C. BLANKET	60 SQ YD	1.0'	-	V
X		236+25 PIPE INLET	CLASS IV	26 CU YD	1.0'	2.0'	2' FB
X		236+25 PIPE OUTLET	CLASS IV	57 CU YD	1.0'	2.0'	2' FB
X		236+50 - 240+00	E.C. BLANKET	324 SQ YD	1.0'	2.0'	V

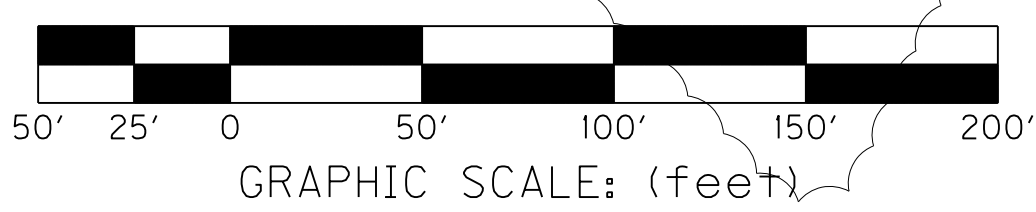
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\170700P.L.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

PI STA 218+65.90
 Δ = 34°52'06" RT
 C = 1595.18'
 Ts = 828.44'
 Ls = 180.00'
 Lc = 1615.28'
 θs = 1°44'53"
 LT = 120.01'
 ST = 60.01'
 R = 2950.00'
 E = 114.12'
 e = 5.0%
 Runoff = 180.00'
 Runout = 72.00'

PI STA 44+62.25
 Δ = 116°16'41"
 C = 101.47'
 Ts = 50.00'
 Ls = 44.72'
 Lc = N/A
 θs = N/A
 LT = N/A
 ST = N/A
 R = N/A
 E = N/A
 e = N/A
 Runoff = N/A
 Runout = N/A

TEMPORARY EASEMENT FOR ENTRANCE CONSTRUCTION

TEMPORARY EASEMENT FOR CONSTRUCTION ACCESS



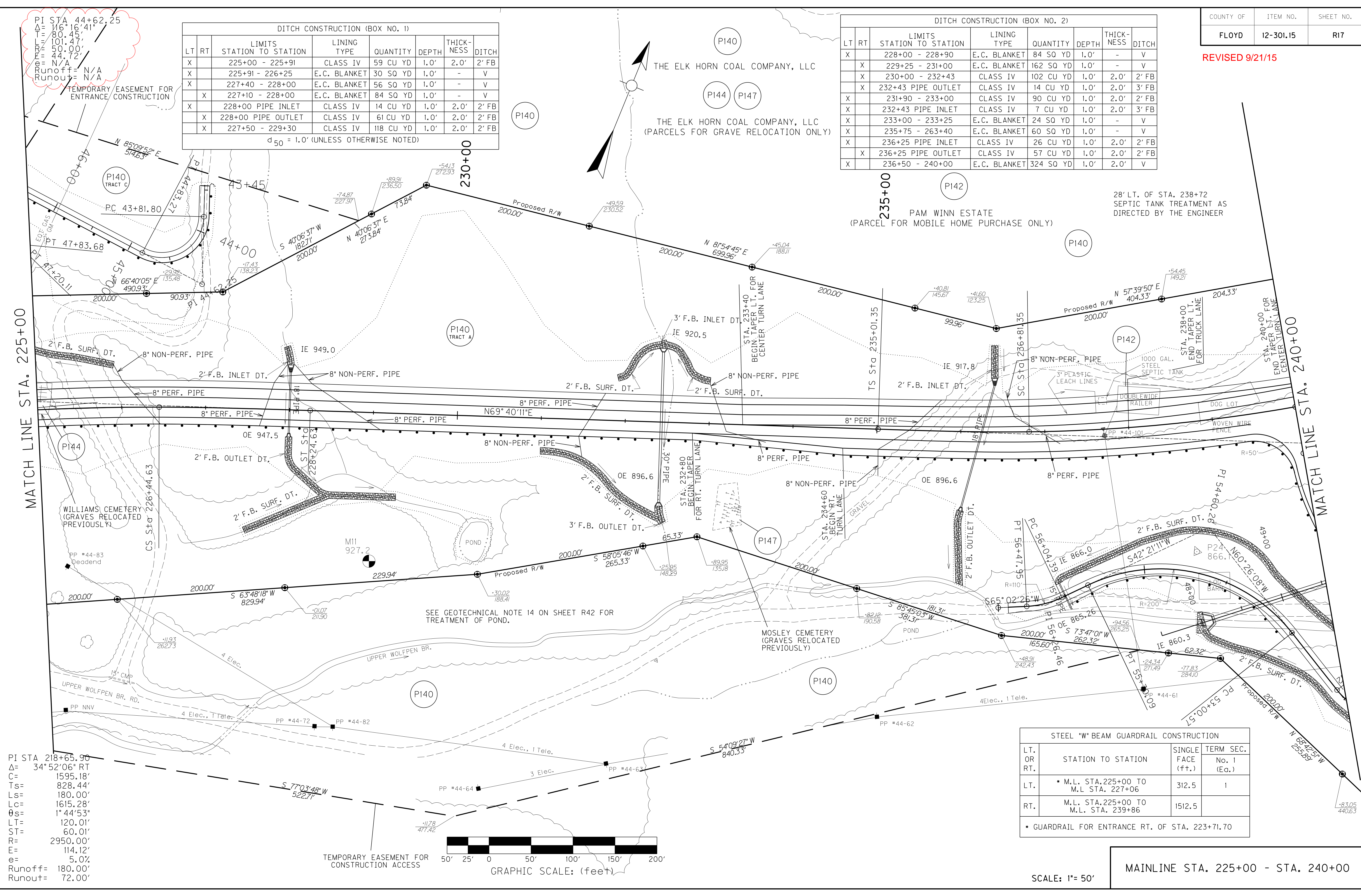
STEEL "W" BEAM GUARDRAIL CONSTRUCTION

LT OR RT	STATION TO STATION	SINGLE FACE (ft.)	TERM SEC. No. 1 (Eq.)
LT.	M.L. STA. 225+00 TO M.L. STA. 227+06	312.5	1
RT.	M.L. STA. 225+00 TO M.L. STA. 239+86	1512.5	

• GUARDRAIL FOR ENTRANCE RT. OF STA. 223+71.70

SCALE: 1" = 50'

MAINLINE STA. 225+00 - STA. 240+00



FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\12301_15\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\REVISION\RD4000CC.DGN
 USER: Liso
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	R40

REVISED 9/21/15

MAINLINE			
		EASTING	NORTHING
P. I.	194+76.93	2,523,498.89	2,067,794.42
T. S.	186+46.23	2,522,692.86	2,067,593.46
S. C.	188+26.23	2,522,866.82	2,067,639.65
C. S.	200+62.77	2,523,868.04	2,068,330.33
S. T.	202+42.77	2,523,973.00	2,068,476.54
Rad. Pt.		2,522,303.44	2,069,527.38
P. I.	218+65.90	2,524,899.38	2,069,809.35
T. S.	208+49.35	2,524,319.20	2,068,974.63
S. C.	210+29.35	2,524,423.42	2,069,121.37
C. S.	226+44.63	2,525,684.47	2,070,098.29
S. T.	228+24.63	2,525,852.60	2,070,162.53
Rad. Pt.		2,526,793.29	2,067,364.60
P. I.	242+56.63	2,527,195.40	2,069,809.35
T. S.	235+01.35	2,526,487.16	2,068,974.63
S. C.	236+81.35	2,526,654.96	2,069,121.37
C. S.	247+84.14	2,527,501.03	2,070,098.29
S. T.	249+64.14	2,527,599.67	2,070,162.53
Rad. Pt.		2,525,886.87	2,067,364.60

R/W MONUMENTS			
Station	Offset	Easting	Northing
183+48.71	380.05	2522496.13	2067152.72
185+36.77	311.96	2522662.12	2067264.28
186+46.23	272.33	2522758.75	2067329.22
187+22.80	244.09	2522828.12	2067375.84
188+26.23	205.71	2522925.93	2067441.58
188+52.76	197.82	2522951.31	2067458.63
189+49.93	364.23	2523110.02	2067336.93
190+10.44	484.63	2523221.97	2067251.09
191+67.22	520.71	2523416.13	2067299.03
193+22.19	573.49	2523615.03	2067348.15
194+72.70	517.99	2523745.37	2067499.84
196+62.94	471.07	2523903.39	2067683.74
198+24.48	467.41	2524046.40	2067823.55
199+85.43	480.11	2524189.42	2067963.36
200+62.77	492.14	2524258.90	2068031.29
201+47.79	508.68	2524332.43	2068103.18
202+42.77	527.67	2524406.29	2068175.38
203+37.75	545.87	2524475.44	2068242.99
205+34.18	583.51	2524618.46	2068382.80
206+03.01	596.70	2524668.58	2068431.79
207+95.54	542.52	2524733.97	2068620.80
208+49.35	527.38	2524752.24	2068673.64
209+98.24	487.41	2524799.36	2068809.81
210+29.35	479.23	2524808.41	2068835.98
210+89.53	462.75	2524825.80	2068886.25
212+16.26	339.28	2524798.63	2068949.00
212+94.55	352.61	2524853.98	2068992.47
213+88.41	238.23	2524828.99	2068932.05
215+85.53	242.86	2524959.21	2069055.77
217+72.05	144.63	2525028.84	2069043.99
218+49.74	98.14	2525058.52	2069026.63
220+41.61	179.30	2525252.35	2069067.28
221+57.86	220.76	2525365.95	2069090.66
223+74.19	232.06	2525454.41	2069079.14
225+91.15	228.67	2525724.87	2069067.43
226+44.63	225.56	2525769.25	2069089.26
228+01.17	211.90	2525904.33	2069055.71
228+24.63	209.51	2525925.39	2069066.08
230+30.02	188.41	2526110.65	2070057.22
232+25.95	148.29	2526280.44	2070162.91
232+89.95	135.18	2526335.90	2070197.44
234+82.12	190.58	2526535.35	2070212.26
235+01.35	196.12	2526555.30	2070213.74
236+48.91	242.43	2526716.16	2070225.69
236+81.35	246.41	2526751.03	2070235.83
238+24.34	271.49	2526908.20	2070281.54
238+77.83	284.10	2526968.05	2070298.95
239+83.05	440.63	2527154.40	2070226.35

Station	Offset	Easting	Northing
181+45.66	-464.92	2522094.69	2067923.47
183+43.91	-491.35	2522280.65	2067997.08
185+11.37	-382.01	2522469.60	2067931.50
186+33.78	-302.09	2522607.70	2067883.57
186+46.23	-308.79	2522618.16	2067893.07
188+26.23	-393.54	2522754.27	2068016.75
188+28.43	-394.38	2522755.72	2068018.07
190+65.91	-489.85	2522903.74	2068152.57
193+34.50	-522.89	2523057.40	2068292.19
195+18.70	-381.75	2523253.89	2068254.90
196+99.47	-196.96	2523490.18	2068210.06
199+19.50	-238.76	2523598.34	2068378.29
200+62.77	-253.63	2523666.60	2068484.44
201+44.62	-258.34	2523706.51	2068546.51
202+42.77	-262.16	2523757.73	2068626.16
202+55.08	-262.61	2523764.39	2068636.53
204+54.42	-246.33	2523891.52	2068790.93
206+77.23	-228.15	2524033.62	2068963.50
208+49.35	-201.99	2524153.34	2069089.91
208+74.84	-198.10	2524171.15	2069108.72
209+93.93	-180.46	2524256.36	2069198.69
210+29.35	-178.09	2524280.36	2069227.43
211+82.73	-172.92	2524384.55	2069352.21
212+53.26	-173.38	2524432.41	2069409.53
214+40.42	-139.04	2524591.29	2069531.02
216+31.00	-117.38	2524750.16	2069652.50
216+79.87	-113.93	2524790.60	2069683.42
217+97.62	-196.50	2524833.29	2069826.09
219+84.31	-170.14	2525007.97	2069923.49
221+73.41	-156.46	2525182.64	2070020.90
222+48.84	-154.59	2525252.01	2070059.59
224+38.79	-138.58	2525435.66	2070138.80
226+29.92	-135.48	2525619.30	2070218.01
226+44.63	-135.76	2525633.43	2070224.11
227+17.43	-138.23	2525702.79	2070254.02
228+24.63	-199.48	2525783.30	2070349.59
228+89.91	-236.50	2525831.64	2070406.58
229+54.13	-272.93	2525879.21	2070463.45
231+49.59	-230.52	2526077.22	2070491.59
233+45.04	-188.11	2526275.23	2070519.73
235+01.35	-154.19	2526433.59	2070542.23
235+40.81	-145.67	2526473.25	2070547.87
236+41.60	-123.25	2526572.21	2070561.93
236+81.35	-129.81	2526604.35	2070562.28
238+54.45	-149.21	2526741.19	2070668.90

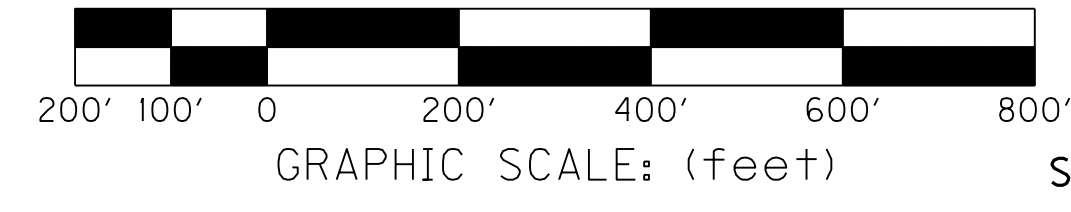
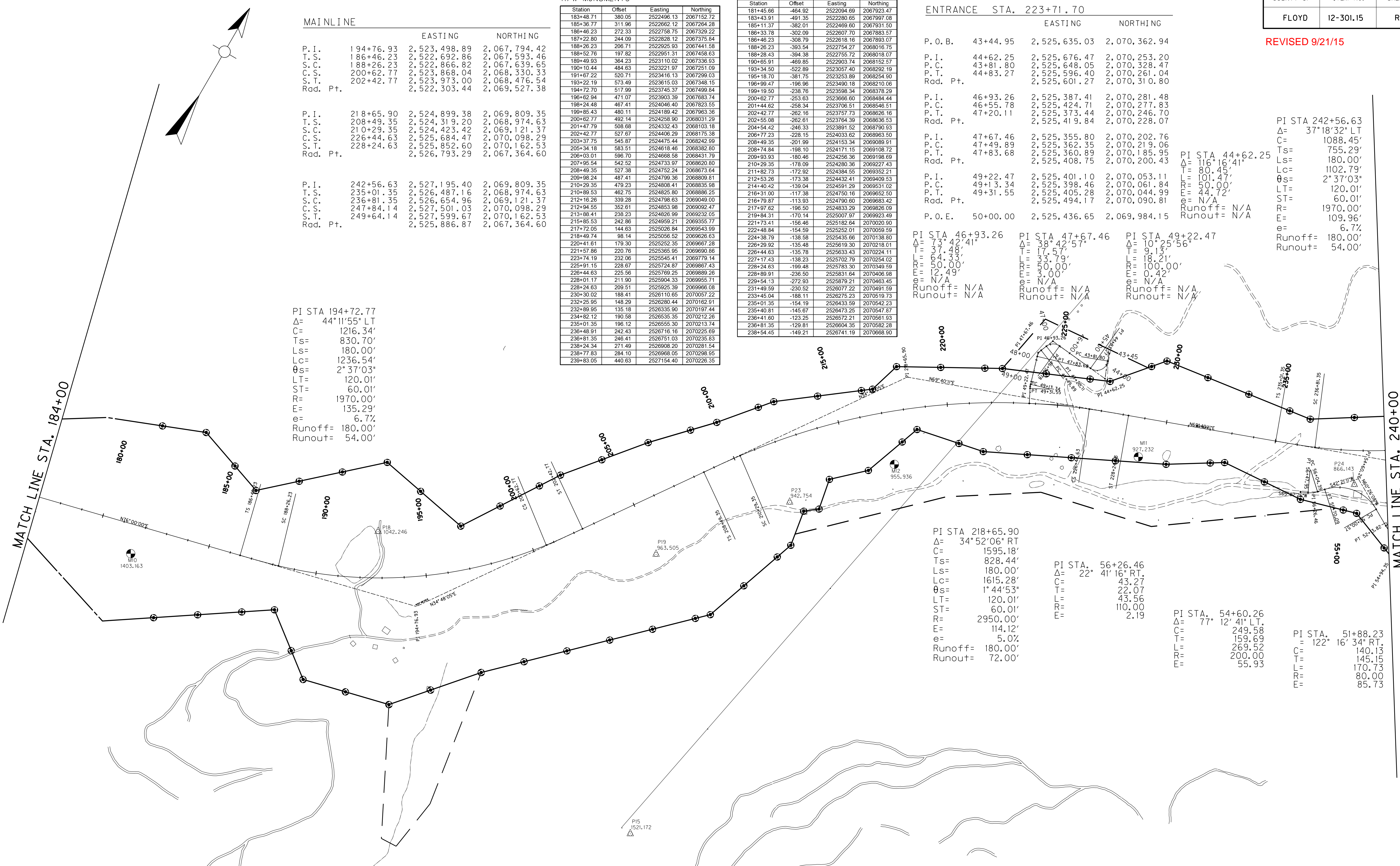
ENTRANCE STA. 223+71.70			
		EASTING	NORTHING
P. O. B.	43+44.95	2,525,635.03	2,070,362.94
P. I.	44+62.25	2,525,676.47	2,070,253.20
P. C.	43+81.80	2,525,648.05	2,070,328.47
P. T.	44+83.27	2,525,596.40	2,070,261.04
Rad. Pt.		2,525,601.27	2,070,310.80
P. I.	46+93.26	2,525,387.41	2,070,281.48
P. C.	46+55.78	2,525,424.71	2,070,277.83
P. T.	47+20.11	2,525,373.44	2,070,246.70
Rad. Pt.		2,525,419.84	2,070,228.07
P. I.	47+67.46	2,525,355.80	2,070,202.76
P. C.	47+49.89	2,525,362.35	2,070,219.06
P. T.	47+83.68	2,525,360.89	2,070,185.95
Rad. Pt.		2,525,408.75	2,070,200.43
P. I.	49+22.47	2,525,401.10	2,070,053.11
P. C.	49+13.34	2,525,398.46	2,070,061.84
P. T.	49+31.55	2,525,405.28	2,070,044.99
Rad. Pt.		2,525,494.17	2,070,090.81
P. O. E.	50+00.00	2,525,436.65	2,069,984.15

PI STA 46+93.26 Δ= 73°42'41" T= 37.48' L= 64.33' R= 50.00' E= 12.49' e= N/A Runoff= N/A Runout= N/A	PI STA 47+67.46 Δ= 38°42'57" T= 17.57' L= 33.79' R= 50.00' E= 3.00' e= N/A Runoff= N/A Runout= N/A	PI STA 49+22.47 Δ= 10°25'56" T= 9.13' L= 18.21' R= 100.00' E= 0.42' e= N/A Runoff= N/A Runout= N/A
---	--	--

PI STA 218+65.90 Δ= 34°52'06" RT C= 1595.18' Ts= 828.44' Ls= 180.00' Lc= 1615.28' θs= 1°44'53" LT= 120.01' ST= 60.01' R= 2950.00' E= 114.12' e= 5.0% Runoff= 180.00' Runout= 72.00'	PI STA 56+26.46 Δ= 22° 41' 16" RT C= 43.27' T= 22.07' L= 43.56' R= 110.00' E= 2.19'	PI STA 54+60.26 Δ= 77° 12' 41" LT C= 249.58' T= 159.69' L= 269.52' R= 200.00' E= 55.93'
--	---	---

PI STA 242+56.63 Δ= 37°18'32" LT C= 1088.45' Ts= 755.29' Ls= 180.00' Lc= 1102.79' θs= 2°37'03" LT= 120.01' ST= 60.01' R= 1970.00' E= 109.96' e= 6.7% Runoff= 180.00' Runout= 54.00'
--

PI STA 51+88.23 Δ= 122° 16' 34" RT C= 140.13' T= 145.15' L= 170.73' R= 80.00' E= 85.73'



SCALE: 1"=200'

COORDINATE CONTROL

REVISED 9/21/15

R/W MONUMENTS

Station	Offset	Easting	Northing
183+48.71	380.05	2522496.13	2067152.72
185+36.77	311.96	2522662.12	2067264.28
186+46.23	272.33	2522758.75	2067329.22
187+22.80	244.09	2522828.12	2067375.84
188+26.23	205.71	2522925.93	2067441.58
188+52.76	197.82	2522951.31	2067458.63
189+49.93	364.23	2523110.02	2067336.93
190+10.44	484.63	2523221.97	2067251.09
191+67.22	520.71	2523416.13	2067299.03
193+22.19	573.49	2523615.03	2067348.15
194+72.70	517.99	2523745.37	2067499.84
196+62.94	471.07	2523903.39	2067683.74
198+24.48	467.41	2524046.40	2067823.55
199+85.43	480.11	2524189.42	2067963.36
200+62.77	492.14	2524258.90	2068031.29
201+47.79	509.68	2524332.43	2068103.18
202+42.77	527.67	2524406.29	2068175.98
203+37.75	545.87	2524475.44	2068242.99
205+34.18	583.51	2524618.46	2068382.80
206+03.01	596.70	2524668.58	2068431.79
207+95.54	542.52	2524733.97	2068620.80
208+49.35	527.38	2524752.24	2068673.64
209+98.24	487.41	2524799.36	2068809.81
210+29.35	479.23	2524808.41	2068835.98
210+89.53	462.75	2524825.80	2068886.25
212+16.26	339.28	2524798.63	2068909.00
212+94.55	352.61	2524853.98	2068902.47
213+88.41	239.23	2524826.99	2068932.05
215+85.53	242.86	2524959.21	2068955.77
217+72.05	144.63	2525028.84	2068943.99
218+49.74	98.14	2525056.52	2068926.63
220+41.61	179.30	2525252.35	2068967.28
221+57.86	220.76	2525365.95	2068960.86
223+74.19	232.06	2525454.41	2068979.14
225+91.15	228.67	2525724.87	2068987.43
226+44.63	225.56	2525769.25	2068989.26
228+01.17	211.90	2525904.33	2068955.71
228+24.63	209.51	2525925.39	2068966.08
230+30.02	188.41	2526110.65	2070057.22
232+25.95	148.29	2526280.44	2070162.91
232+89.95	135.18	2526335.90	2070197.44
234+82.12	190.58	2526535.35	2070212.26
235+01.35	196.12	2526555.30	2070213.74
236+48.91	242.43	2526716.16	2070225.69
236+81.35	246.41	2526751.03	2070235.83
238+24.34	271.49	2526908.20	2070281.54
238+77.83	284.10	2526968.05	2070298.95
239+83.05	444.63	2527154.40	2070226.35

Station	Offset	Easting	Northing
181+45.66	-464.92	2522094.69	2067923.47
183+43.91	-491.35	2522280.65	2067997.08
185+11.37	-382.01	2522469.60	2067931.50
186+33.78	-302.09	2522607.70	2067883.57
186+46.23	-308.79	2522618.16	2067893.07
188+26.23	-393.54	2522754.27	2068016.75
188+28.43	-394.38	2522755.72	2068018.07
190+65.91	-489.85	2522903.74	2068152.57
193+34.50	-522.89	2523057.40	2068292.19
195+18.70	-381.75	2523253.89	2068254.90
196+99.47	-196.96	2523490.18	2068210.26
199+19.50	-238.76	2523598.34	2068378.29
200+62.77	-253.63	2523666.60	2068484.44
201+44.62	-258.34	2523706.51	2068546.51
202+42.77	-262.16	2523757.73	2068626.16
202+55.08	-262.61	2523764.39	2068636.53
204+54.42	-246.33	2523891.52	2068790.93
206+77.23	-228.15	2524033.62	2068963.50
208+49.35	-201.99	2524153.34	2069089.91
208+74.84	-198.10	2524171.15	2069108.72
209+93.93	-180.46	2524256.36	2069198.69
210+29.35	-178.09	2524280.36	2069227.43
211+82.73	-172.92	2524384.55	2069352.21
212+53.26	-173.38	2524432.41	2069409.53
214+40.42	-139.04	2524591.29	2069531.02
216+31.00	-117.38	2524750.16	2069652.50
216+79.87	-113.93	2524790.60	2069683.42
217+97.62	-196.50	2524833.29	2069826.09
219+84.31	-170.14	2525007.97	2069923.49
221+73.41	-156.46	2525182.64	2070020.90
222+48.84	-154.59	2525252.01	2070059.59
224+38.79	-138.58	2525435.66	2070138.80
226+29.92	-135.48	2525619.30	2070218.01
226+44.63	-135.76	2525633.43	2070224.11
227+17.43	-138.23	2525702.79	2070254.02
228+24.63	-199.48	2525783.30	2070349.59
228+89.91	-236.50	2525831.64	2070406.58
229+54.13	-272.93	2525879.21	2070463.45
231+49.59	-230.52	2526077.22	2070491.59
233+45.04	-188.11	2526275.23	2070519.73
235+01.35	-154.19	2526433.59	2070542.23
235+40.81	-145.67	2526473.25	2070547.87
236+41.60	-123.25	2526572.21	2070561.93
236+81.35	-129.81	2526604.35	2070562.28
238+54.45	-149.21	2526741.19	2070668.60

ENTRANCE STA. 223+71.70

	EASTING	NORTHING
P. O. B.	43+44.95	2,525,635.03
P. I.	44+62.25	2,525,676.47
P. C.	43+81.80	2,525,648.05
P. T.	44+83.27	2,525,596.40
Rad. Pt.		2,525,601.27
P. I.	46+93.26	2,525,387.41
P. C.	46+55.78	2,525,424.71
P. T.	47+20.11	2,525,373.44
Rad. Pt.		2,525,419.84
P. I.	47+67.46	2,525,355.80
P. C.	47+49.89	2,525,362.35
P. T.	47+83.68	2,525,360.89
Rad. Pt.		2,525,408.75
P. I.	49+22.47	2,525,401.10
P. C.	49+13.34	2,525,398.46
P. T.	49+31.55	2,525,405.28
Rad. Pt.		2,525,494.17
P. O. E.	50+00.00	2,525,436.65

PI STA 242+56.63
 $\Delta = 37^{\circ}18'32''$ LT
 C = 1088.45'
 Ts = 755.29'
 Ls = 180.00'
 Lc = 1102.79'
 $\theta_s = 2^{\circ}37'03''$
 LT = 120.01'
 ST = 60.01'
 R = 1970.00'
 E = 109.96'
 e = 6.7%
 Runoff = 180.00'
 Runout = 54.00'

PI STA 44+62.25
 $\Delta = 116^{\circ}16'41''$ LT
 T = 80.45'
 L = 101.47'
 R = 50.00'
 E = 44.72'
 $\theta = N/A$
 Runoff = N/A
 Runout = N/A

PI STA 46+93.26
 $\Delta = 73^{\circ}42'41''$ LT
 T = 37.48'
 L = 64.33'
 R = 50.00'
 E = 12.49'
 $\theta = N/A$
 Runoff = N/A
 Runout = N/A

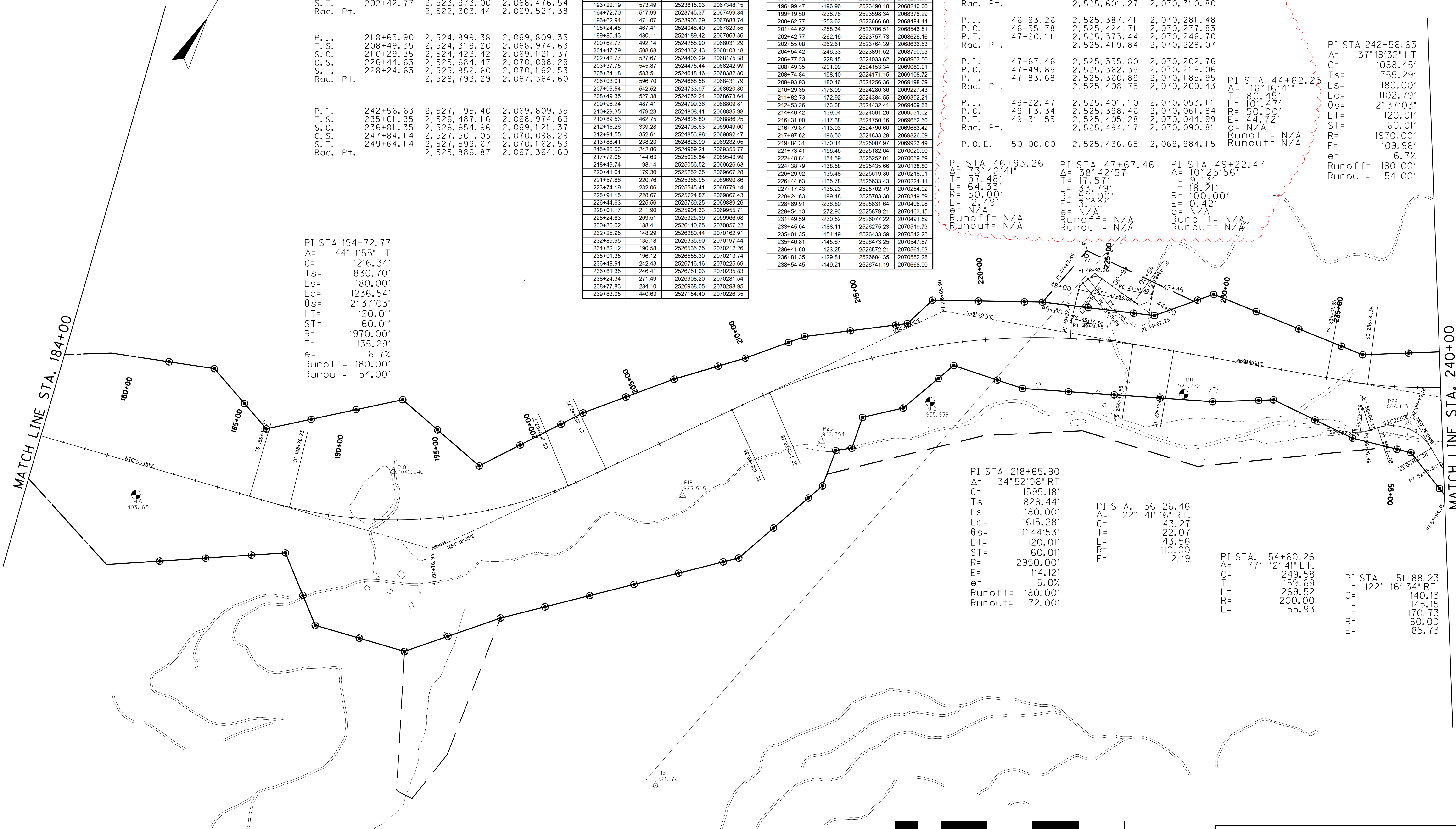
PI STA 47+67.46
 $\Delta = 38^{\circ}42'57''$ LT
 T = 17.57'
 L = 33.79'
 R = 50.00'
 E = 3.00'
 $\theta = N/A$
 Runoff = N/A
 Runout = N/A

PI STA 49+22.47
 $\Delta = 10^{\circ}25'56''$ LT
 T = 9.13'
 L = 18.21'
 R = 100.00'
 E = 0.42'
 $\theta = N/A$
 Runoff = N/A
 Runout = N/A

MAINLINE

	EASTING	NORTHING
P. I.	194+76.93	2,523,498.89
T. S.	186+46.23	2,522,692.86
S. C.	188+26.23	2,522,866.82
C. S.	200+62.77	2,523,868.04
S. T.	202+42.77	2,523,973.00
Rad. Pt.		2,522,303.44
P. I.	218+65.90	2,524,899.38
T. S.	208+49.35	2,524,319.20
S. C.	210+29.35	2,524,423.42
C. S.	226+44.63	2,525,684.47
S. T.	228+24.63	2,525,852.60
Rad. Pt.		2,526,793.29
P. I.	242+56.63	2,527,195.40
T. S.	235+01.35	2,526,487.16
S. C.	236+81.35	2,526,654.96
C. S.	247+84.14	2,527,501.03
S. T.	249+64.14	2,527,599.67
Rad. Pt.		2,525,886.87

PI STA 194+72.77
 $\Delta = 44^{\circ}11'55''$ LT
 C = 1216.34'
 Ts = 830.70'
 Ls = 180.00'
 Lc = 1236.54'
 $\theta_s = 2^{\circ}37'03''$
 LT = 120.01'
 ST = 60.01'
 R = 1970.00'
 E = 135.29'
 e = 6.7%
 Runoff = 180.00'
 Runout = 54.00'



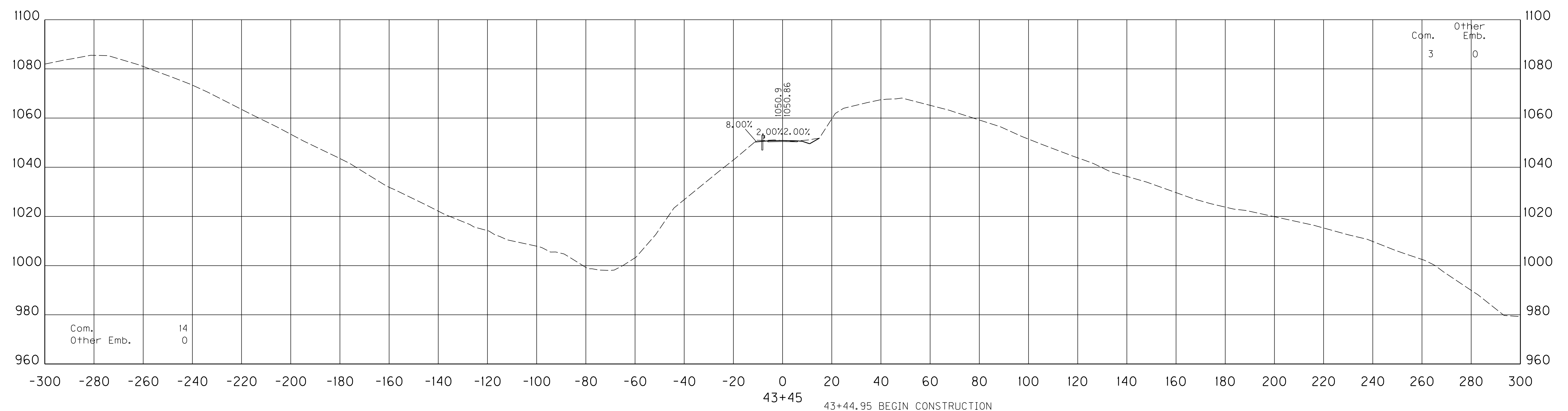
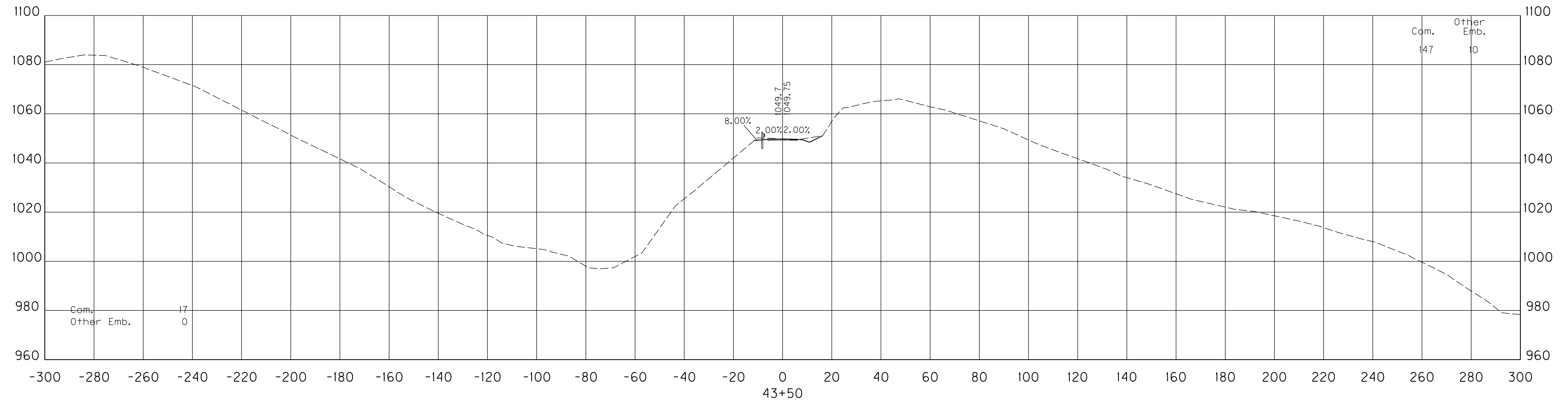
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\12301_15A\CONTROL2.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

COORDINATE CONTROL

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X285

REVISED 9/21/15

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\12301.15\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\REVISION\X28500XS.DGN
 USER: Liso
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



43+44.95 BEGIN CONSTRUCTION
 NOTE: CONSTRUCT EMBANKMENT BENCHING AS DIRECTED BY THE ENGINEER.

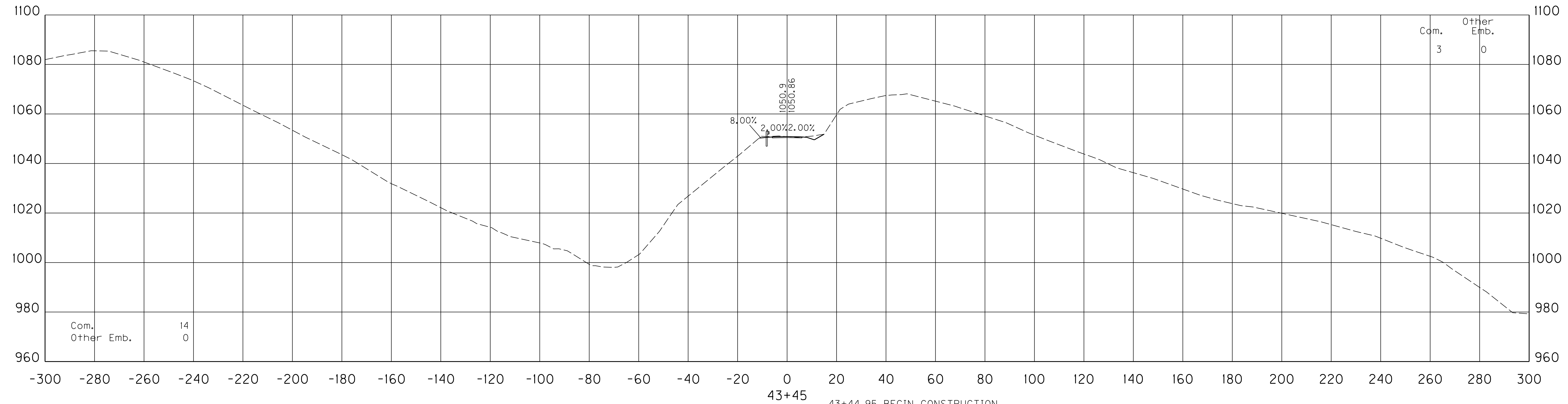
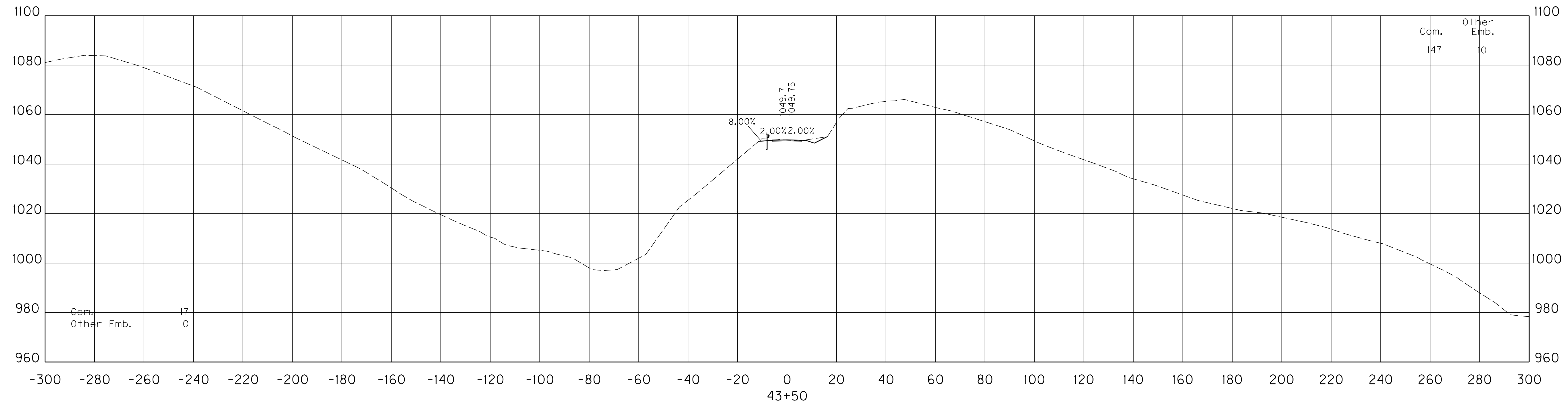
SCALE: 1" = 20' HORIZONTAL
 1" = 20' VERTICAL

ENTRANCE AT STA. 223+71.70
 STA. 43+45 TO STA. 43+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X285

REVISED 9/21/15

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\12301.15\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\REVISION\X28500XS.DGN
 USER: Liso
 DATE PLOTTED: September 21, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



43+44.95 BEGIN CONSTRUCTION
 NOTE: CONSTRUCT EMBANKMENT BENCHING AS DIRECTED BY THE ENGINEER.
 SCALE: 1" = 20' HORIZONTAL
 1" = 20' VERTICAL

ENTRANCE AT STA. 223+71.70
 STA. 43+45 TO STA. 43+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X286

REVISED 9/21/15

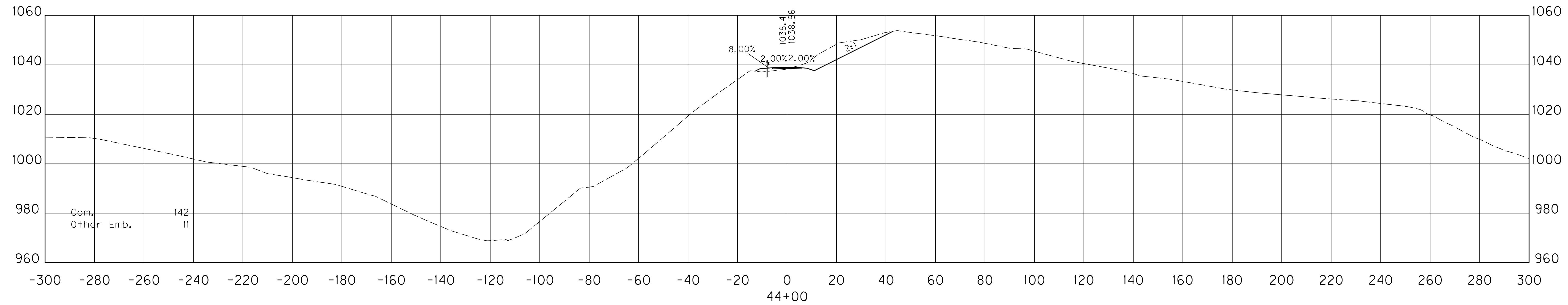
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN

USER: Liso
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

Com.	Other Emb.
662	10



Com.	142
Other Emb.	11

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

ENTRANCE AT STA 223+71.70
STA. 44+00 TO STA. 44+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X286

REVISED 9/21/15

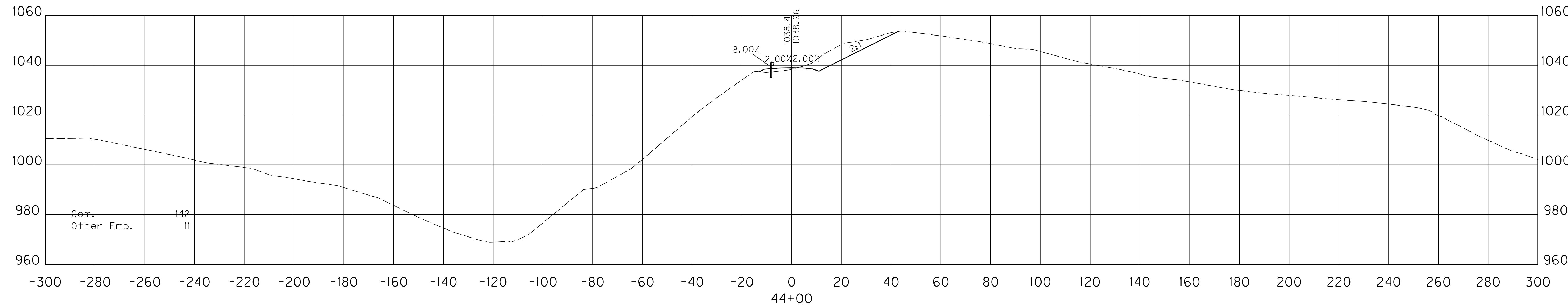
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN

USER: Liso
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

Com. Other
Emb. Emb.
662 10



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

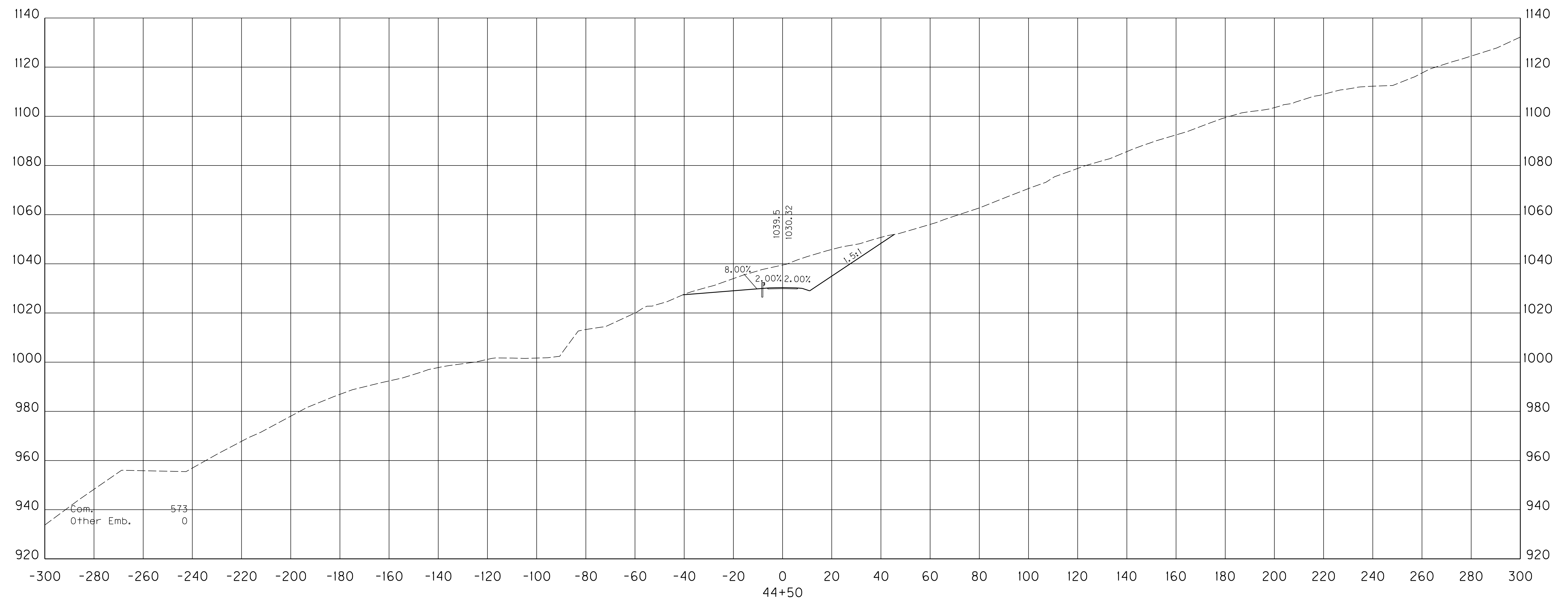
ENTRANCE AT STA. 223+71.70
STA. 44+00 TO STA. 44+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X287

REVISED 9/21/15

Com. Other
Emb. Emb.
841 397

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

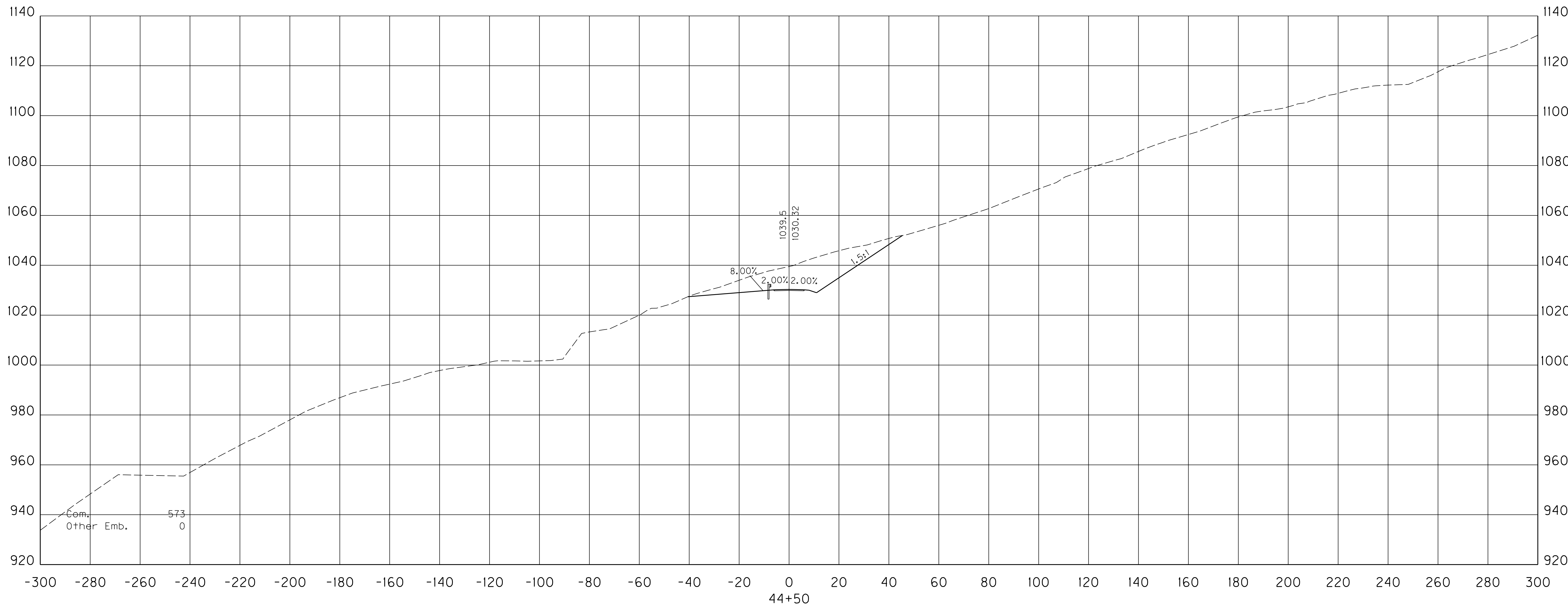
ENTRANCE AT STA. 223+71.70
STA. 44+50 TO STA. 44+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X287

REVISED 9/21/15

Com. Other
Emb. Emb.
841 397

MicroStation v8.11.9.459
E-SHEET NAME:
DATE PLOTTED: September 18, 2015
USER: Liso
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN



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

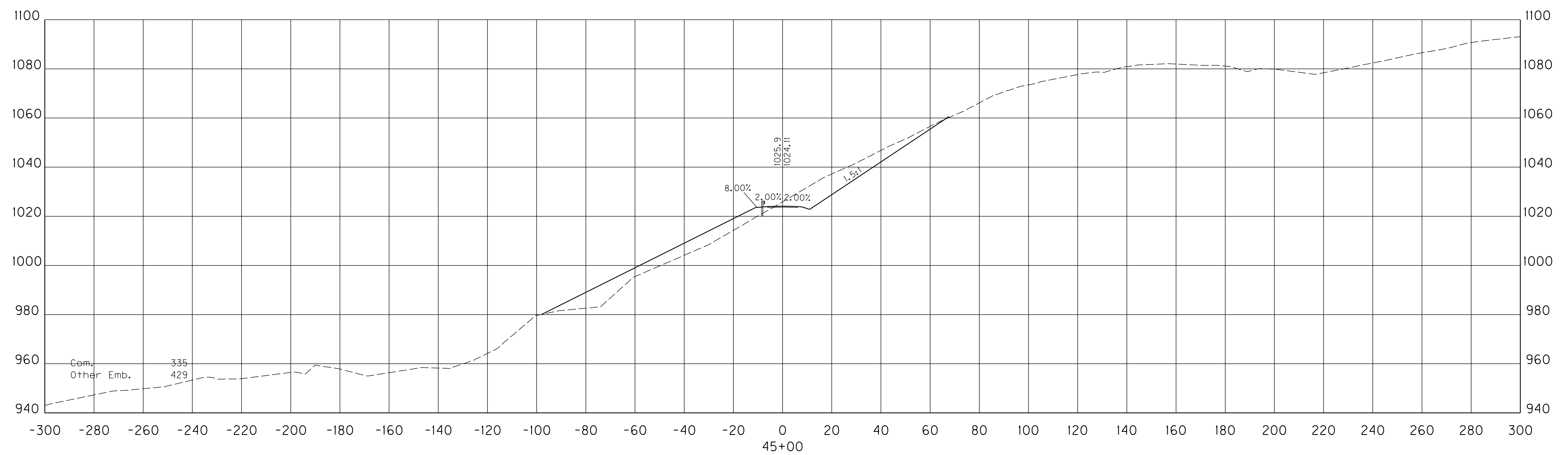
ENTRANCE AT STA. 223+71.70
STA. 44+50 TO STA. 44+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X288

REVISED 9/21/15

Com. 511
Other Emb. 903

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

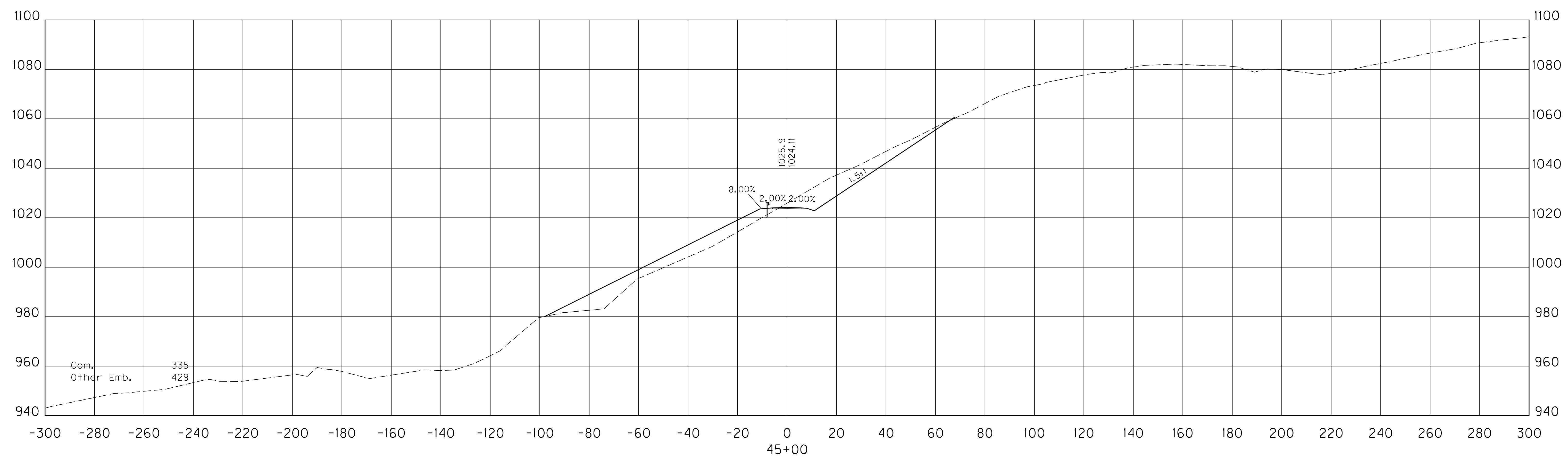
ENTRANCE AT STA. 223+71.70
STA. 45+00 TO STA. 45+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X288

REVISED 9/21/15

MicroStation v8.11.9.459
 E-SHEET NAME:
 DATE PLOTTED: September 18, 2015
 USER: Liso
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN

Com. 511
 Other Emb. 903



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

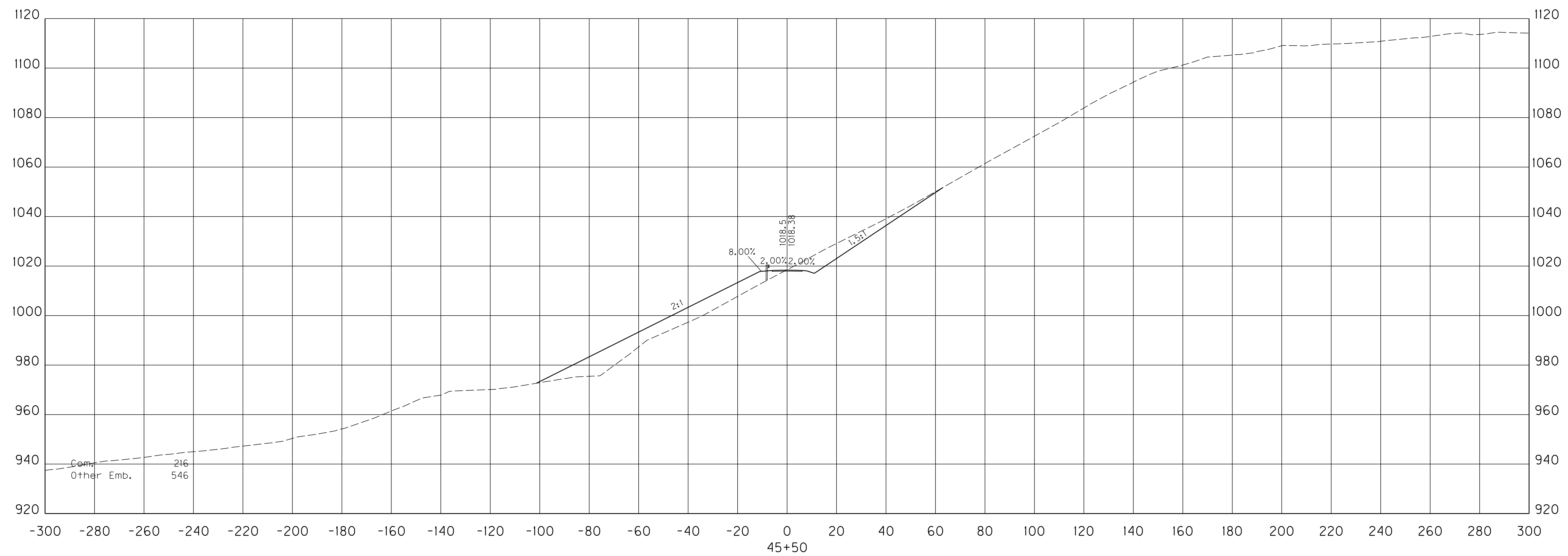
ENTRANCE AT STA. 223+71.70
 STA. 45+00 TO STA. 45+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X289

REVISED 9/21/15

Com.	Other Emb.
366	542

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

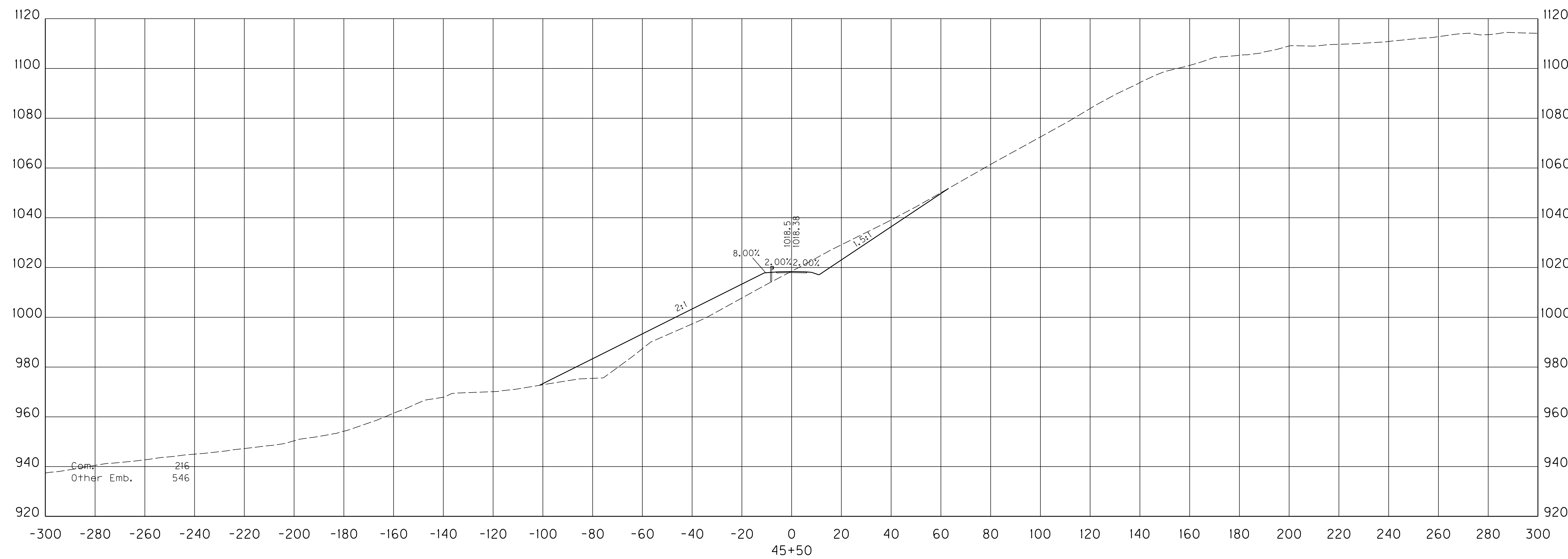
ENTRANCE AT STA. 223+71.70
 STA. 45+50 TO STA. 45+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X289

REVISED 9/21/15

Com.	Other Emb.
366	542

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

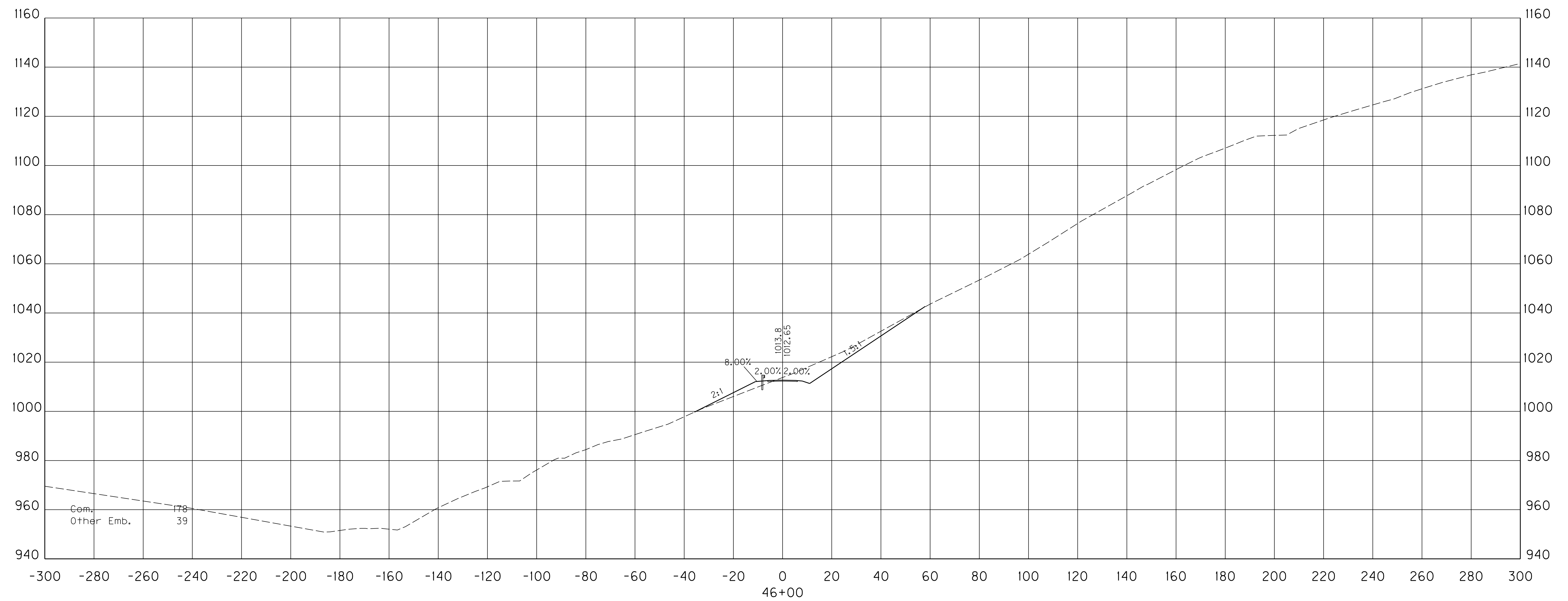
ENTRANCE AT STA. 223+71.70
STA. 45+50 TO STA. 45+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X290

REVISED 9/21/15

Com.	Other Emb.
532	36

MicroStation v8.11.9.459
 E-SHEET NAME:
 USER: Liso
 DATE PLOTTED: September 18, 2015
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN



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

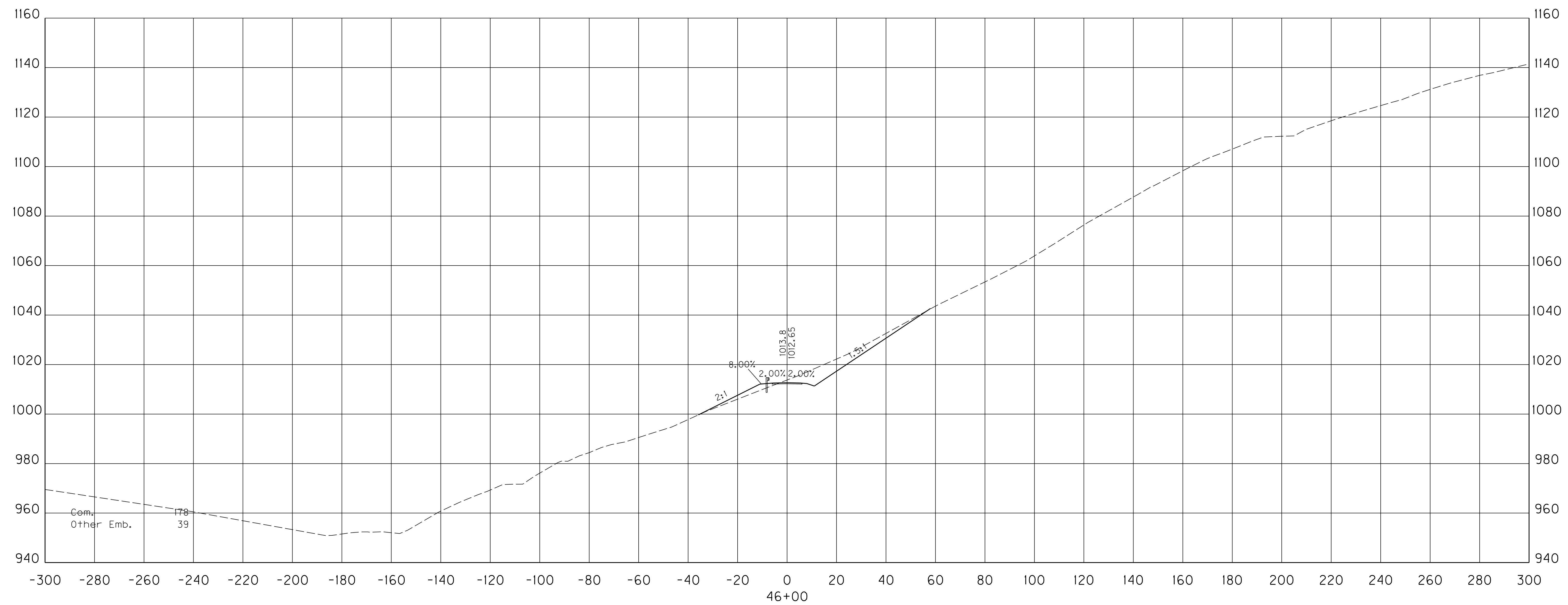
ENTRANCE AT STA. 223+71.70
 STA. 46+00 TO STA. 46+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X290

REVISED 9/21/15

Com.	Other Emb.
532	36

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

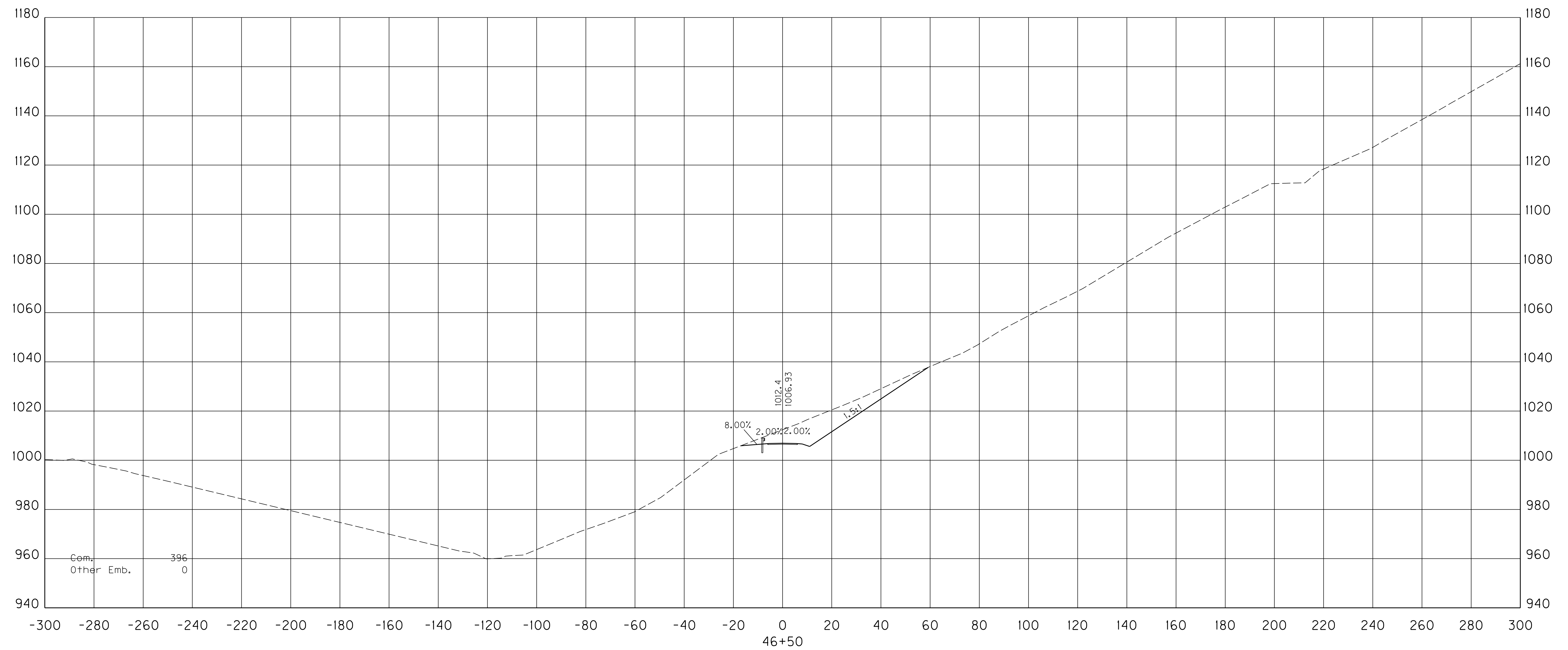
ENTRANCE AT STA. 223+71.70
STA. 46+00 TO STA. 46+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X291

REVISED 9/21/15

Com.	Other Emb.
366	330

MicroStation v8.11.9.459
 E-SHEET NAME:
 USER: Liso
 DATE PLOTTED: September 18, 2015
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN



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

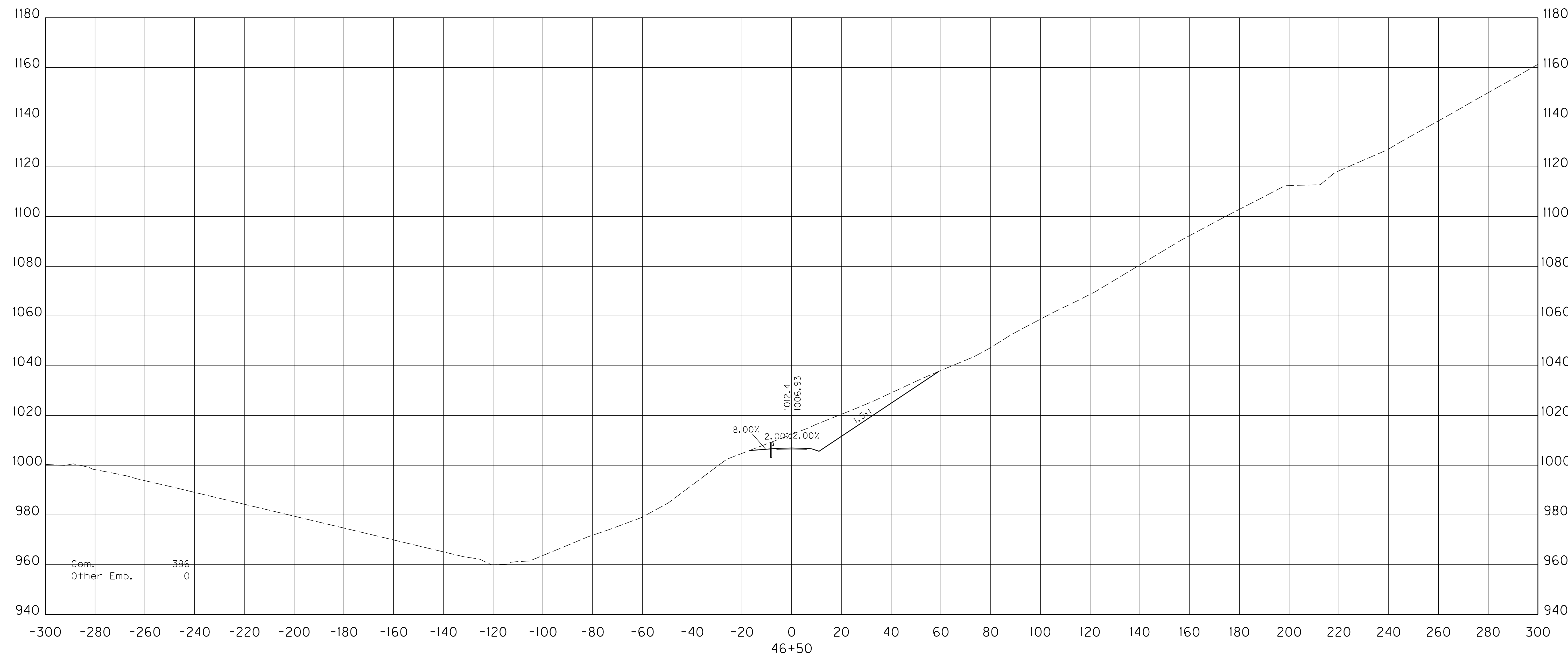
ENTRANCE AT STA. 223+71.70
 STA. 46+50 TO STA. 46+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X291

REVISED 9/21/15

Com.	Other Emb.
366	330

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013 ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



Com.	396
Other Emb.	0

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

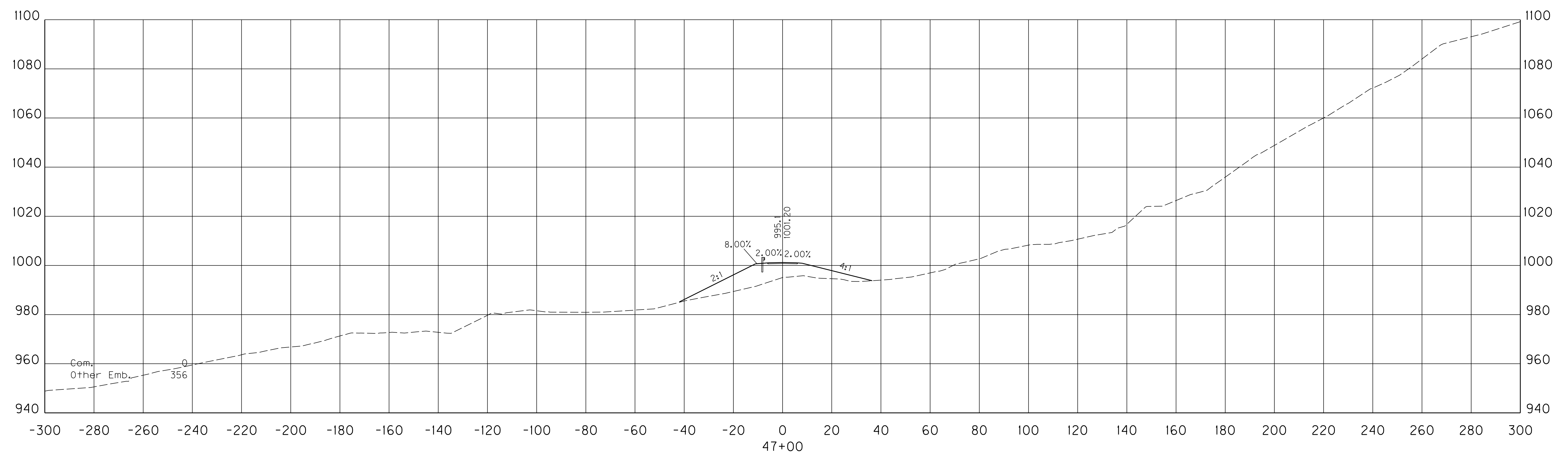
ENTRANCE AT STA. 223+71.70
STA. 46+50 TO STA. 46+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X292

REVISED 9/21/15

MicroStation v8.11.9.459
 E-SHEET NAME:
 DATE PLOTTED: September 18, 2015
 USER: Liso
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES_REV.DGN

Com. Other
 Emb. Emb.
 0 1550



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

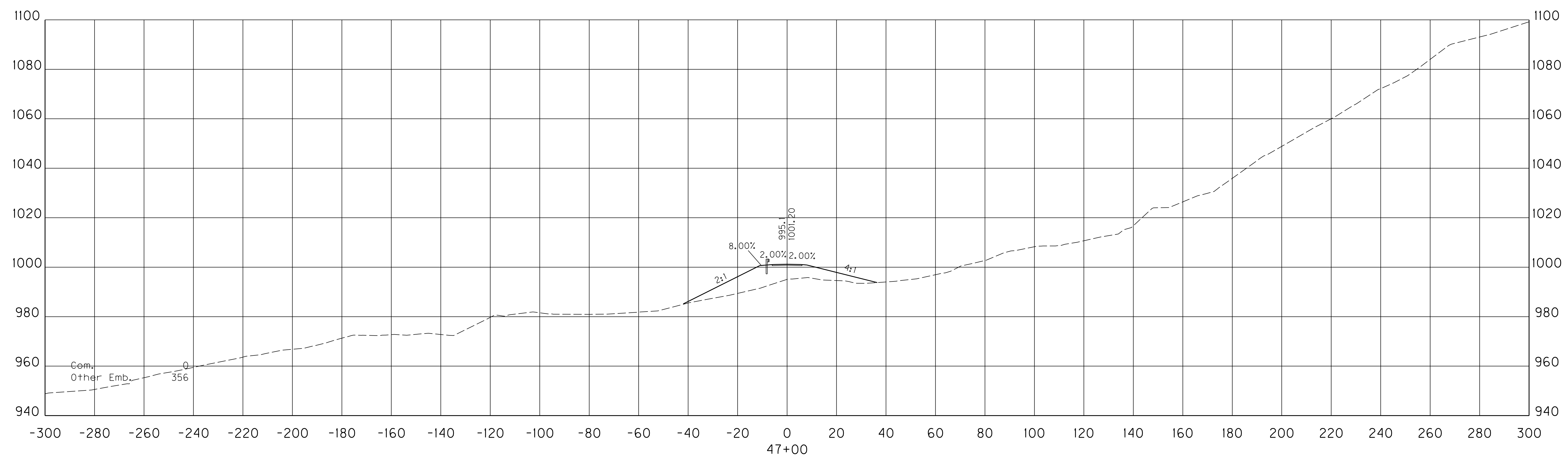
ENTRANCE AT STA. 223+71.70
 STA. 47+00 TO STA. 47+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X292

REVISED 9/21/15

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES_REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

Com. Other
 0 Emb.
 1550



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

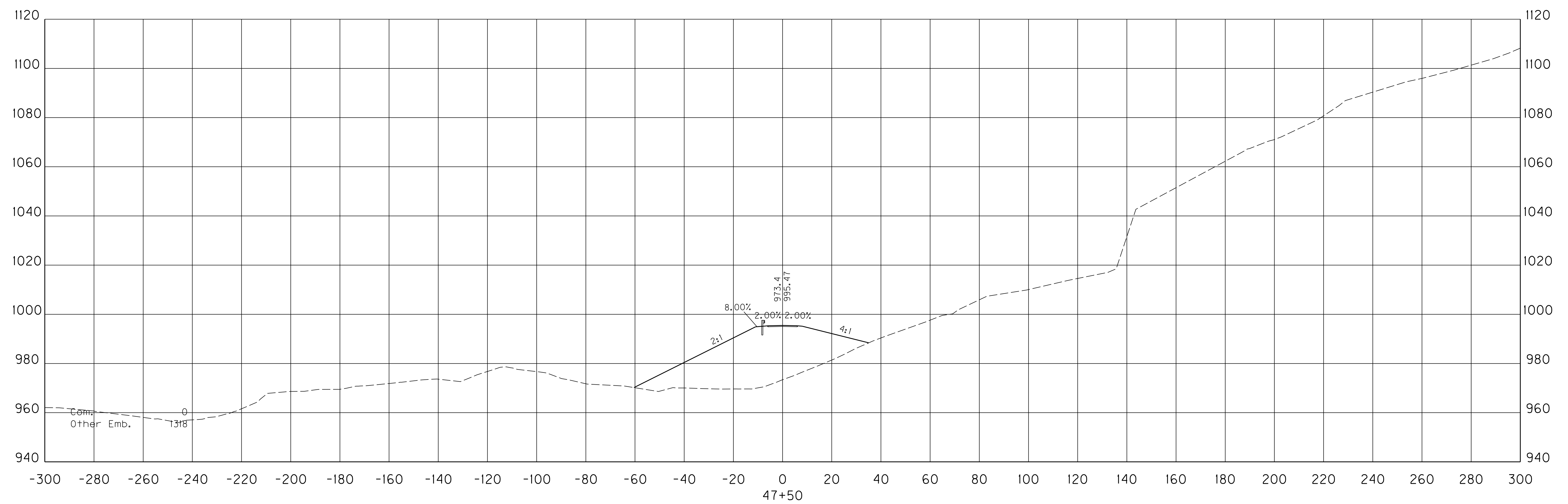
ENTRANCE AT STA. 223+71.70
STA. 47+00 TO STA. 47+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X293

REVISED 9/21/15

Com.	Other Emb.
12	1692

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

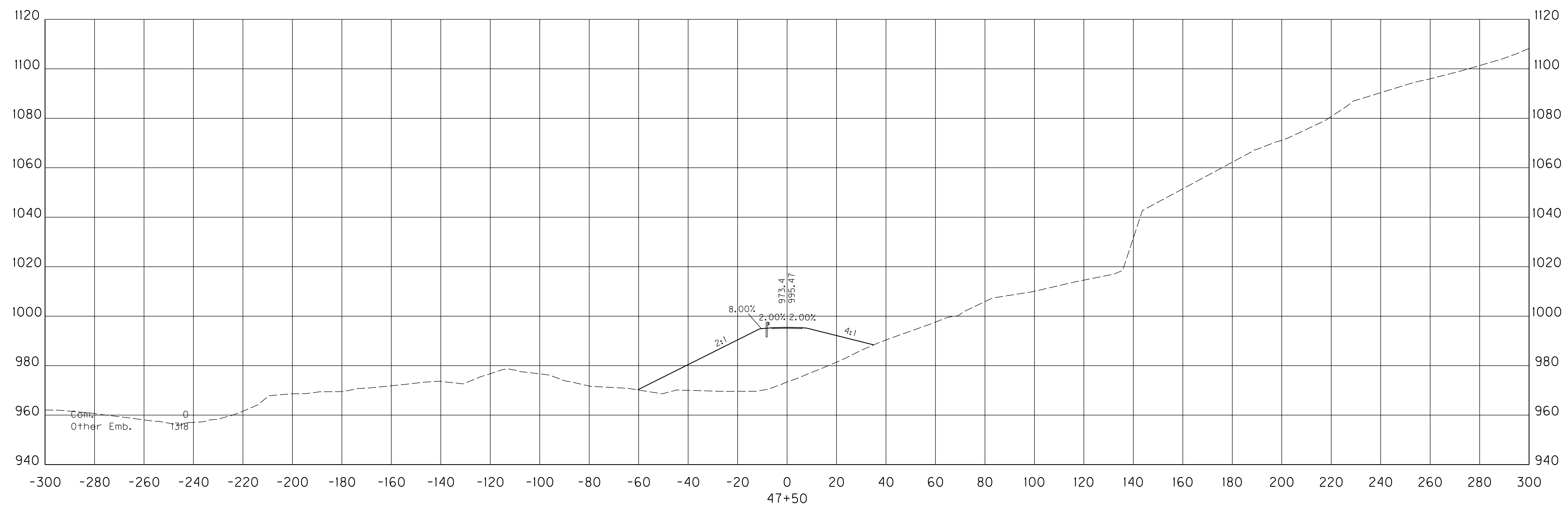
ENTRANCE AT STA. 223+71.70
STA. 47+50 TO STA. 47+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X293

REVISED 9/21/15

MicroStation v8.11.9.459
 E-SHEET NAME:
 DATE PLOTTED: September 18, 2015
 USER: Liso
 FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN

Com. 12
 Other Emb. 1692



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

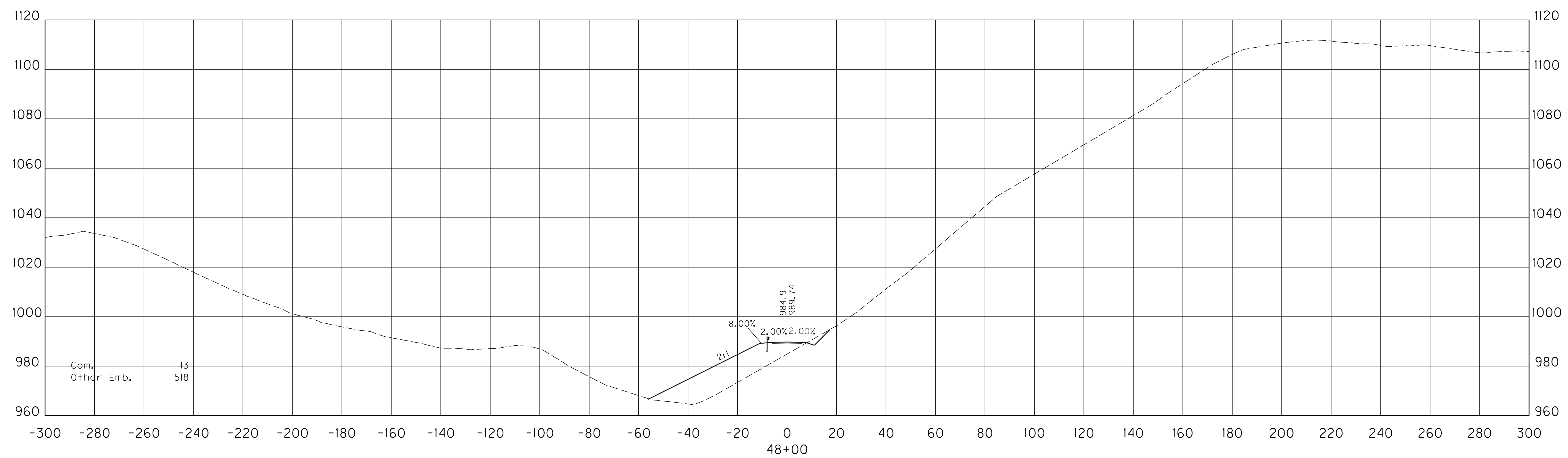
ENTRANCE AT STA. 223+71.70
 STA. 47+50 TO STA. 47+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X294

REVISED 9/21/15

Rock	Com.	Other Emb.
126	654	619

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459



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

ENTRANCE AT STA. 223+71.70
STA. 48+00 TO STA. 48+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X294

REVISED 9/21/15

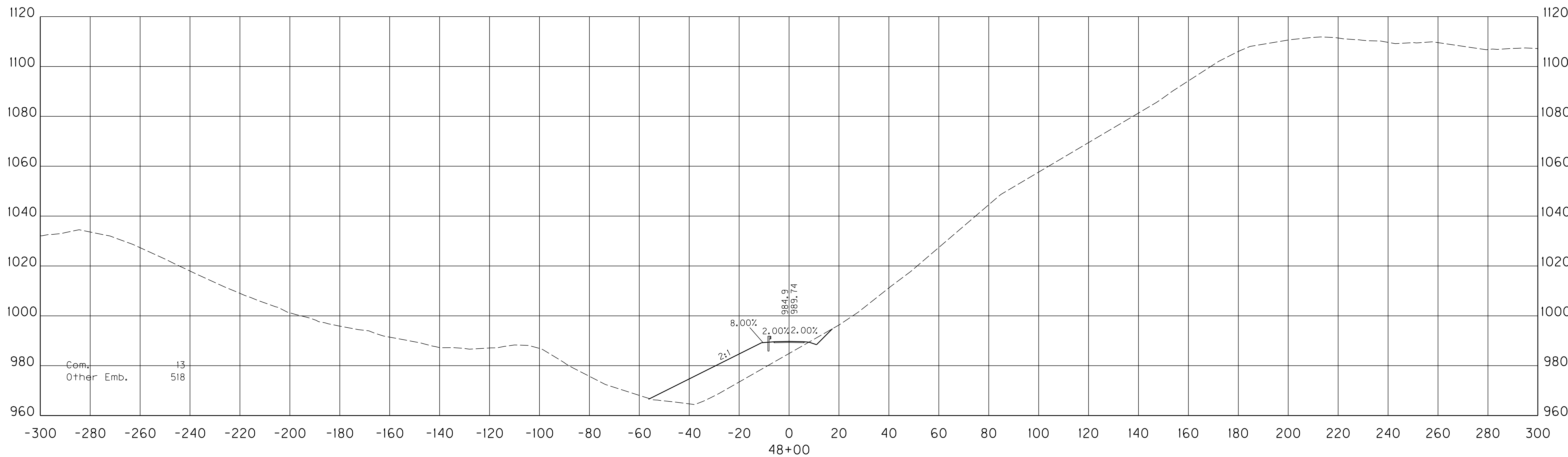
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES_REV.DGN

USER: Liso
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

Rock	Com.	Other Emb.
126	654	619



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

ENTRANCE AT STA. 223+71.70
STA. 48+00 TO STA. 48+00

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X295

REVISED 9/21/15

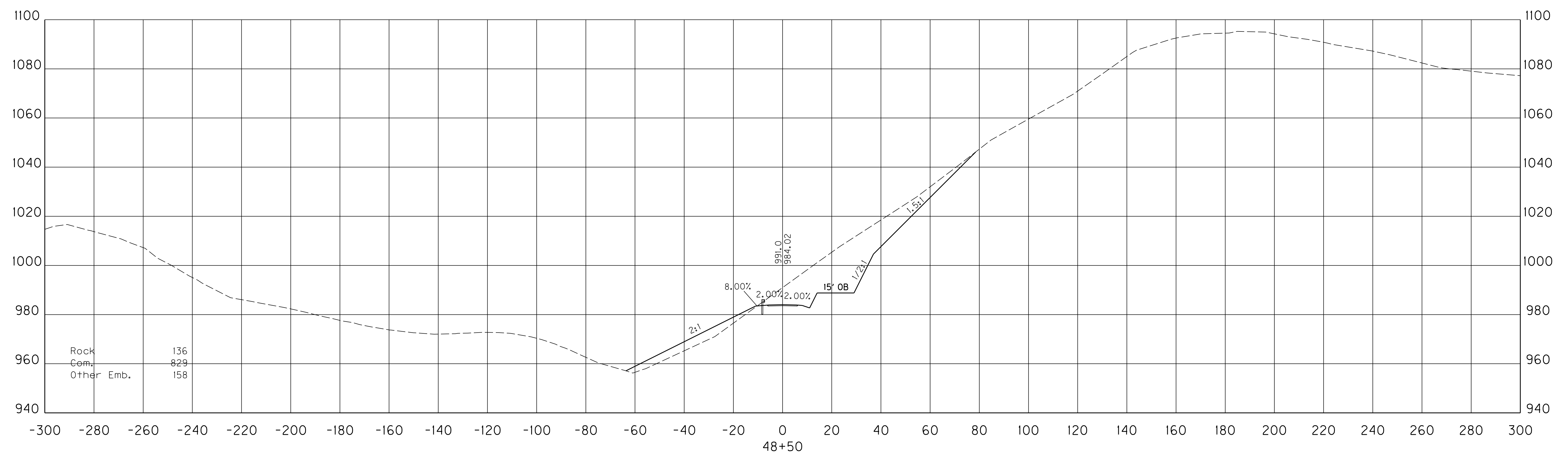
FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN

USER: Liso
DATE PLOTTED: September 18, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

Rock	Com.	Other Emb.
304	1426	147



Rock	136
Com.	829
Other Emb.	158

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

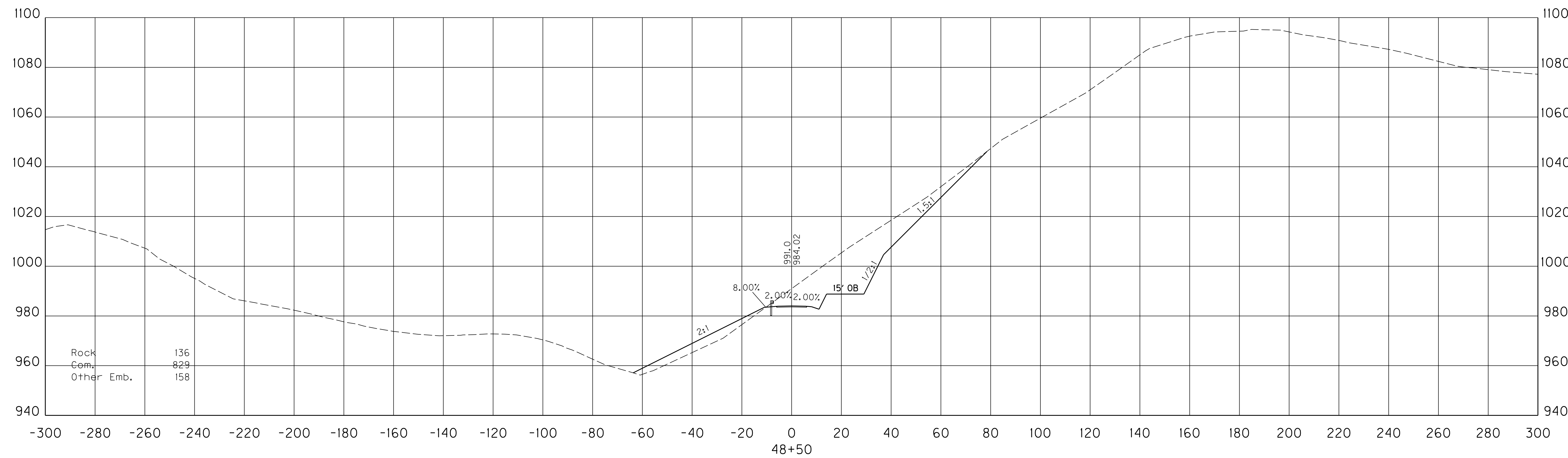
ENTRANCE AT STA. 223+71.70
STA. 48+50 TO STA. 48+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X295

REVISED 9/21/15

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2E\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

Rock	Com.	Other Emb.
304	1426	147



Rock	136
Com.	829
Other Emb.	158

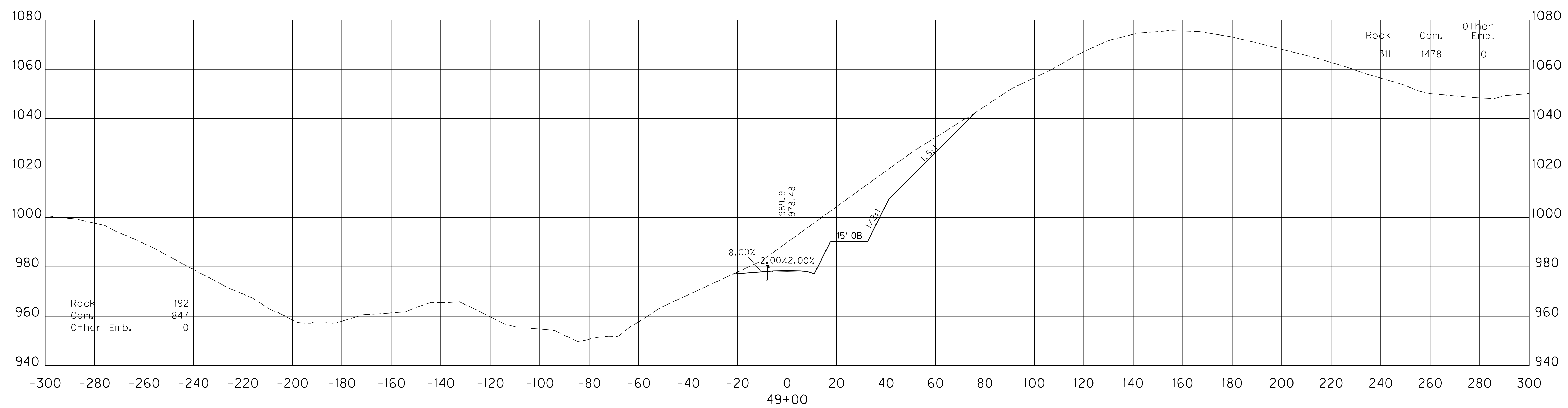
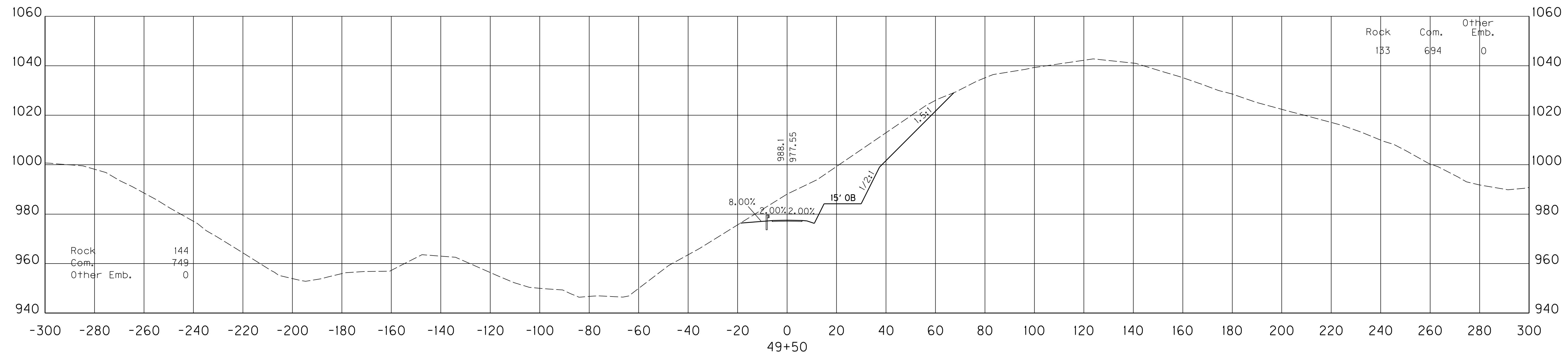
SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

ENTRANCE AT STA. 223+71.70
STA. 48+50 TO STA. 48+50

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X296

REVISED 9/21/15

SHEET TOTALS		
Rock	Com.	Other Emb.
874	7690	6237



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

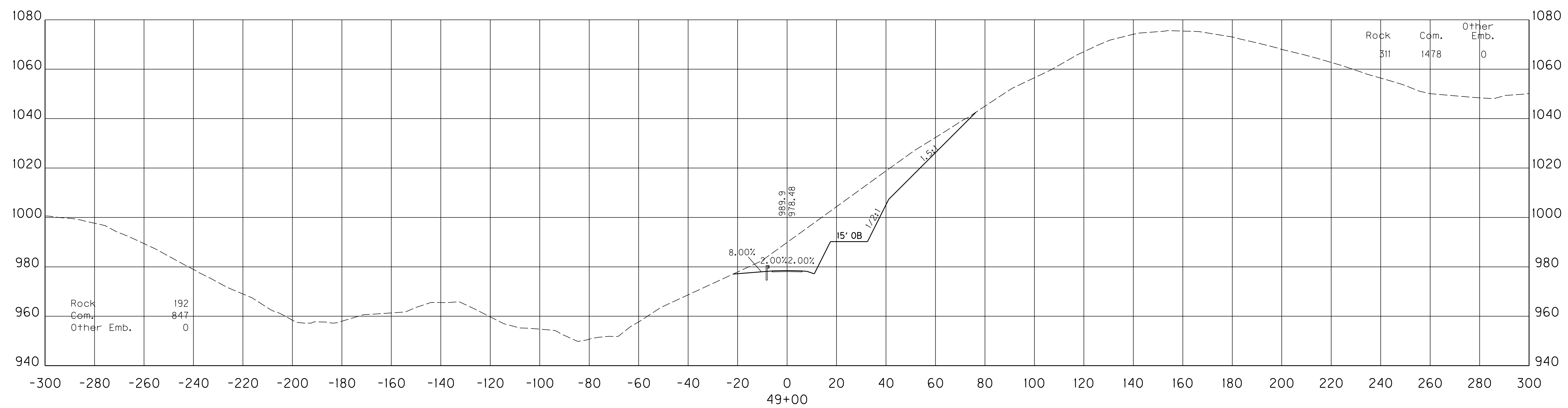
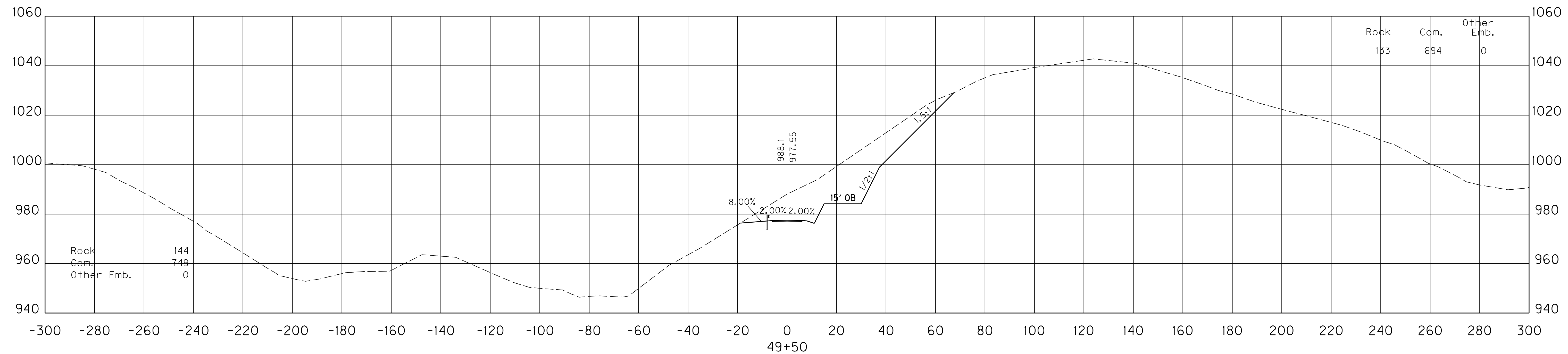
ENTRANCE AT STA. 223+71.70
STA. 49+00 TO STA. 49+50

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2\12\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
FLOYD	12-301.15	X296

REVISED 9/21/15

SHEET TOTALS		
Rock	Com.	Other Emb.
874	7690	6237



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

ENTRANCE AT STA. 223+71.70
STA. 49+00 TO STA. 49+50

FILE NAME: X:\HIGHWAYS\PROJECTS\12301_2\2013\ENTRANCES REV.DGN
 USER: Liso
 DATE PLOTTED: September 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.9.459

PROPOSAL BID ITEMS

151056

Page 1 of 3

Report Date 9/22/15

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	44,057.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	797.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	161.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	20.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	3,970.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	21,454.00	TON		\$	
0070	00221		CL2 ASPH BASE 0.75D PG64-22	2,412.00	TON		\$	
0080	00307		CL2 ASPH SURF 0.38B PG64-22	1,853.00	TON		\$	
0090	00388		CL3 ASPH SURF 0.38B PG64-22	3,527.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0100	00078		CRUSHED AGGREGATE SIZE NO 2	120.00	TON		\$	
0110	01010		NON-PERFORATED PIPE-4 IN	2,000.00	LF		\$	
0120	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	172.00	EACH		\$	
0130	02159		TEMP DITCH	5,200.00	LF		\$	
0140	02200		ROADWAY EXCAVATION (REVISED: 9-22-15)	3,390,416.00	CUYD		\$	
0150	02242		WATER	100.00	MGAL		\$	
0160	02351		GUARDRAIL-STEEL W BEAM-S FACE	8,637.50	LF		\$	
0170	02360		GUARDRAIL TERMINAL SECTION NO 1	7.00	EACH		\$	
0180	02367		GUARDRAIL END TREATMENT TYPE 1	7.00	EACH		\$	
0190	02404		SEPTIC TANK TREATMENT	1.00	EACH		\$	
0200	02429		RIGHT-OF-WAY MONUMENT TYPE 1	88.00	EACH		\$	
0210	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	3.00	EACH		\$	
0220	02432		WITNESS POST	91.00	EACH		\$	
0230	02475		PLUG WATER WELL	2.00	EACH		\$	
0240	02488		CHANNEL LINING CLASS IV	23,137.00	CUYD		\$	
0250	02545		CLEARING AND GRUBBING 98 ACRES	1.00	LS		\$	
0260	02562		TEMPORARY SIGNS	40.50	SQFT		\$	
0270	02585		EDGE KEY	58.20	LF		\$	
0280	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0290	02696		SHOULDER RUMBLE STRIPS-SAWED	23,200.00	LF		\$	
0300	02701		TEMP SILT FENCE	5,200.00	LF		\$	
0310	02703		SILT TRAP TYPE A	100.00	EACH		\$	
0320	02704		SILT TRAP TYPE B	100.00	EACH		\$	
0330	02705		SILT TRAP TYPE C	100.00	EACH		\$	
0340	02706		CLEAN SILT TRAP TYPE A	300.00	EACH		\$	
0350	02707		CLEAN SILT TRAP TYPE B	300.00	EACH		\$	
0360	02708		CLEAN SILT TRAP TYPE C	300.00	EACH		\$	
0370	02709		CLEAN TEMP SILT FENCE	5,200.00	LF		\$	
0380	02726		STAKING	1.00	LS		\$	
0390	05950		EROSION CONTROL BLANKET	3,775.00	SQYD		\$	
0400	05952		TEMP MULCH	487,908.00	SQYD		\$	

PROPOSAL BID ITEMS

151056

Page 2 of 3

Report Date 9/22/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	05953		TEMP SEEDING AND PROTECTION	100,000.00	SQYD		\$	
0420	05963		INITIAL FERTILIZER	12.50	TON		\$	
0430	05964		20-10-10 FERTILIZER	21.00	TON		\$	
0440	05985		SEEDING AND PROTECTION	404,000.00	SQYD		\$	
0450	05992		AGRICULTURAL LIMESTONE	250.00	TON		\$	
0460	06510		PAVE STRIPING-TEMP PAINT-4 IN	20,000.00	LF		\$	
0470	06514		PAVE STRIPING-PERM PAINT-4 IN	46,125.00	LF		\$	
0480	06589		PAVEMENT MARKER TYPE V-MW	148.00	EACH		\$	
0490	06591		PAVEMENT MARKER TYPE V-BY	290.00	EACH		\$	
0500	20071EC		JOINT ADHESIVE	46,050.00	LF		\$	
0510	20209EP69		GRANULAR PILE CORE	587.00	CUYD		\$	
0520	20458ES403		CENTERLINE RUMBLE STRIPS	11,600.00	LF		\$	
0530	20667ED		PNEUMATIC BACKSTOWING	3,500.00	TON		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0540	00440		ENTRANCE PIPE-15 IN	162.00	LF		\$	
0550	00441		ENTRANCE PIPE-18 IN	109.00	LF		\$	
0560	00443		ENTRANCE PIPE-24 IN	96.00	LF		\$	
0570	00462		CULVERT PIPE-18 IN	1,056.00	LF		\$	
0580	00464		CULVERT PIPE-24 IN	1,295.00	LF		\$	
0590	00466		CULVERT PIPE-30 IN	482.00	LF		\$	
0600	00469		CULVERT PIPE-42 IN	484.00	LF		\$	
0610	00476		CULVERT PIPE-84 IN	540.00	LF		\$	
0620	00496		CULVERT PIPE-36 IN EQUIV	46.00	LF		\$	
0630	01002		PERFORATED PIPE-8 IN	1,652.00	LF		\$	
0640	01012		NON-PERFORATED PIPE-8 IN	698.00	LF		\$	
0650	01022		PERF PIPE HEADWALL TY 1-8 IN	20.00	EACH		\$	
0660	01204		PIPE CULVERT HEADWALL-18 IN	8.00	EACH		\$	
0670	01208		PIPE CULVERT HEADWALL-24 IN	8.00	EACH		\$	
0680	01210		PIPE CULVERT HEADWALL-30 IN	4.00	EACH		\$	
0690	01213		PIPE CULVERT HEADWALL-36 IN EQUIV	2.00	EACH		\$	
0700	01214		PIPE CULVERT HEADWALL-42 IN	2.00	EACH		\$	
0710	01370		METAL END SECTION TY 1-15 IN	1.00	EACH		\$	
0720	01371		METAL END SECTION TY 1-18 IN	1.00	EACH		\$	
0730	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
0740	01451		S & F BOX INLET-OUTLET-24 IN	4.00	EACH		\$	
0750	01452		S & F BOX INLET-OUTLET-30 IN	1.00	EACH		\$	
0760	01490		DROP BOX INLET TYPE 1	3.00	EACH		\$	
0770	01493		DROP BOX INLET TYPE 2	1.00	EACH		\$	
0780	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	10,399.00	SQYD	\$2.01	\$	\$20,950.03
0790	08100		CONCRETE-CLASS A (REVISED: 9-22-15)	65.79	CUYD		\$	
0800	08150		STEEL REINFORCEMENT (REVISED: 9-22-15)	4,779.00	LB		\$	
0810	22534EN		STEEL STRUCTURAL PLATE PIPE ARCH	42.00	LF		\$	
0820	24814EC		PIPELINE INSPECTION	3,363.00	LF		\$	

151056

PROPOSAL BID ITEMS

Page 3 of 3

Report Date 9/22/15

Section: 0004 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0830	02568		MOBILIZATION	1.00	LS		\$	
0840	02569		DEMOBILIZATION	1.00	LS		\$	