

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\MISC SHEETS\KY 1159 - LAYOUT SHEET - RIGHT OF WAY.DGN

USER: R106M
DATE PLOTTED: March 25, 2014

E-SHEET NAME:

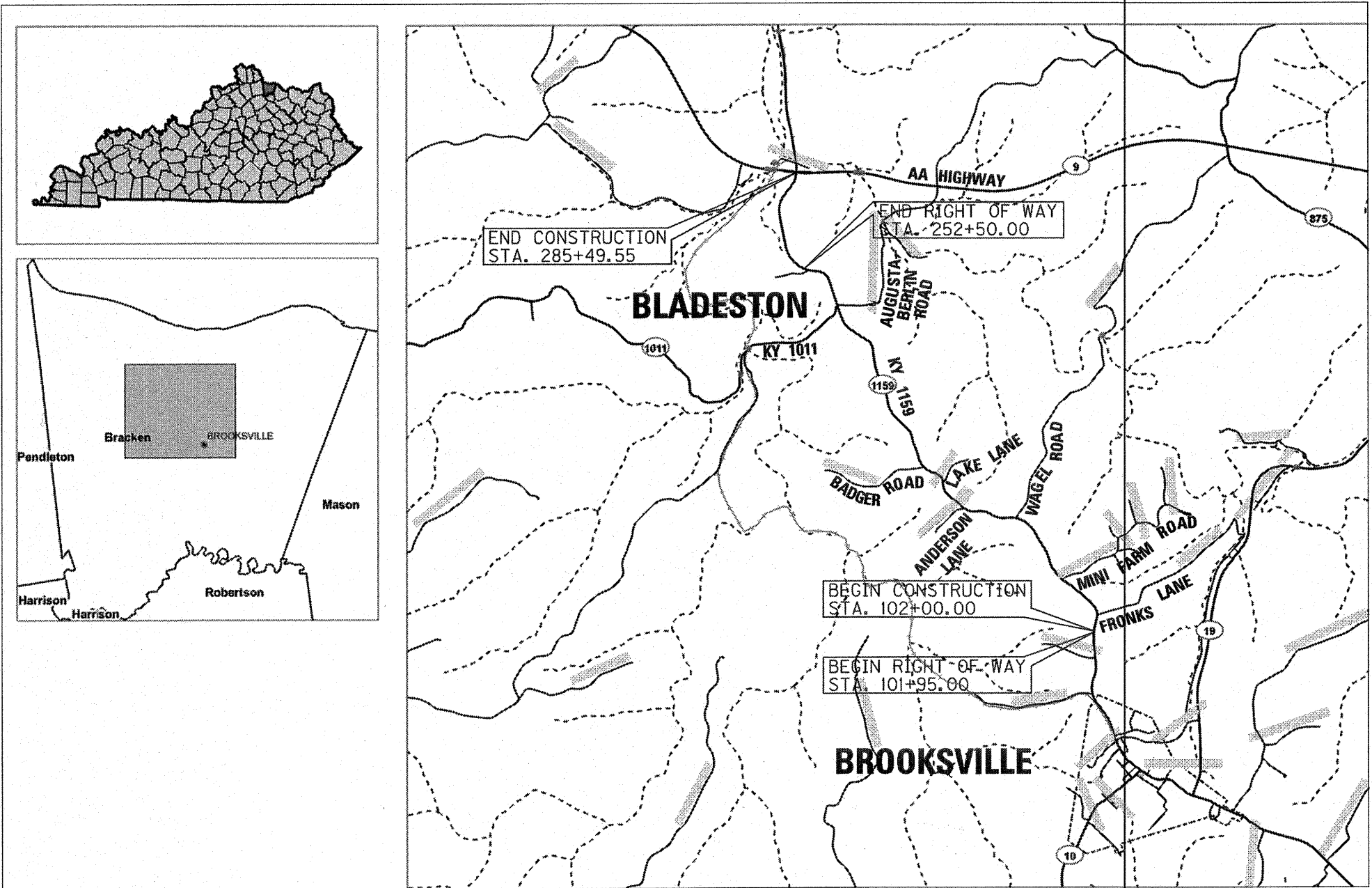
MicroStation v8.11.7.443

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2C	TYPICAL SECTIONS AND DETAILS
R2D	LEGEND & UTILITY OWNERS
R3 - R28	PLAN AND PROFILE SHEETS
R29 - R31	RIGHT OF WAY SUMMARY SHEETS
R32 - R36	RIGHT OF WAY STRIP MAP SHEETS
R37 - R39	CONTROL & GEOMETRIC DATA SHEETS
R40 - R44	R/W MONUMENT COORDINATE POINTS
SHEETS NOT INCLUDED IN TOTAL SHEETS	
R2A - R2D	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
BRACKEN COUNTY
KY 1159 - BROOKSVILLE TO AA HIGHWAY
012 1159 000-005
RIGHT OF WAY PLANS

RIGHT OF WAY
PLANS



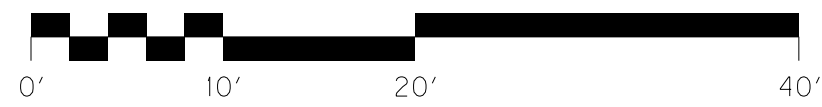
LAYOUT MAP

DESIGN CRITERIA	
CLASS OF HIGHWAY	RURAL MAJOR COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	35 MPH (URBAN); 50 MPH (RURAL)
REQUIRED NPSD	35 - 250'; 50 - 425'
REQUIRED PSD	35 - 1280'; 50 - 1835'
LEVEL OF SERVICE	C
ADT PRESENT (2011)	1900 - 2400
ADT FUTURE (2045)	3700 - 4700
DHV	400 - 500
D %	50 - 50
T %	6.5
GEOGRAPHIC COORDINATES	
LATITUDE	38 DEGREES 42 MINUTES 17 SECONDS NORTH
LONGITUDE	84 DEGREES 05 MINUTES 02 SECONDS WEST
DESIGNED	
% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	

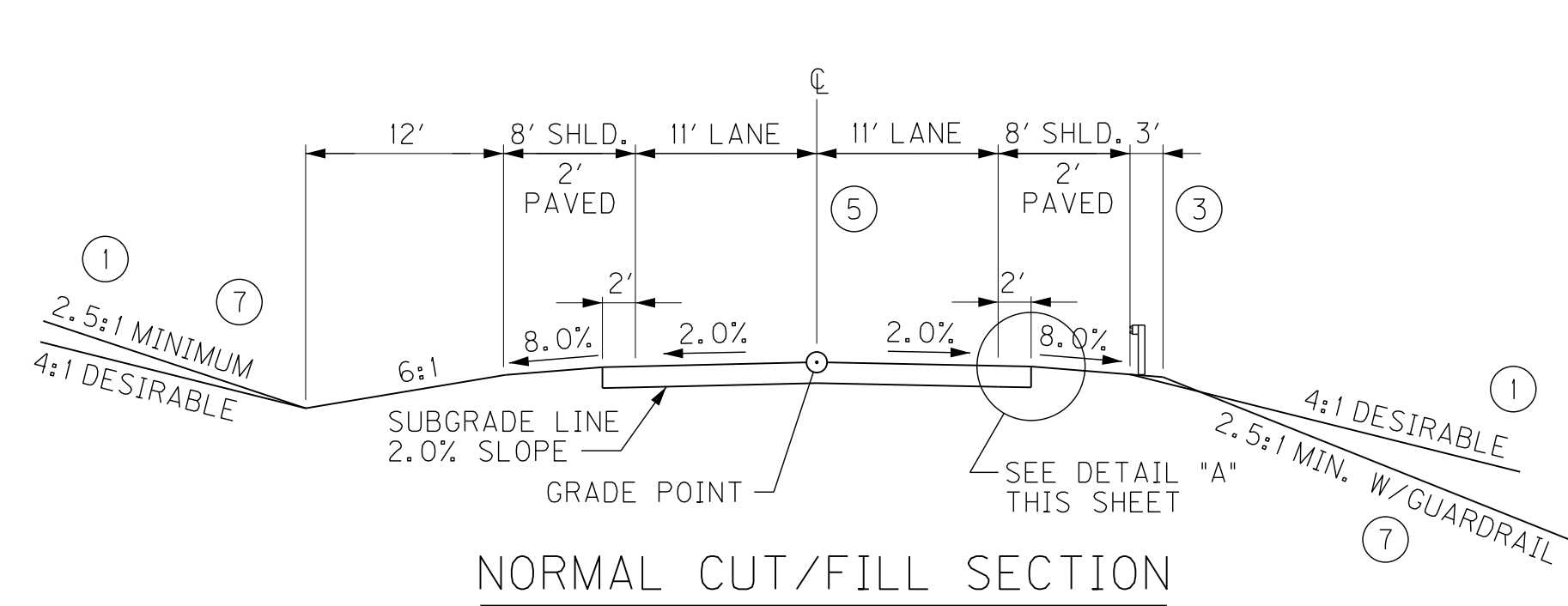
KY 1159		APPROACH ROADS	
LENGTH 18,349.55 LIN. FT. 3.475 MILES	LENGTH 2,012.55 LIN. FT. 0.381 MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES
ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.
DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS COUNTY OF BRACKEN		PARSONS BRINCKERHOFF Parsons Brinckerhoff, Inc. 1792 Alysbea Way, Suite 230 Lexington, KY 40509 (859) 272-5400	
ITEM NO. 6-8311.00		FRANK S. SLADE 15049 LICENSED PROFESSIONAL ENGINEER	
PROJECT NUMBER: KY 1159 RECONSTRUCTION 012 1159 000-005		RECOMMENDED BY: Donald Michael Byrd PROJECT MANAGER	
LETTING DATE:		3-26-14 DATE:	
PLAN APPROVED BY:		STATE HIGHWAY ENGINEER DATE:	
		MARCH 25, 2014	

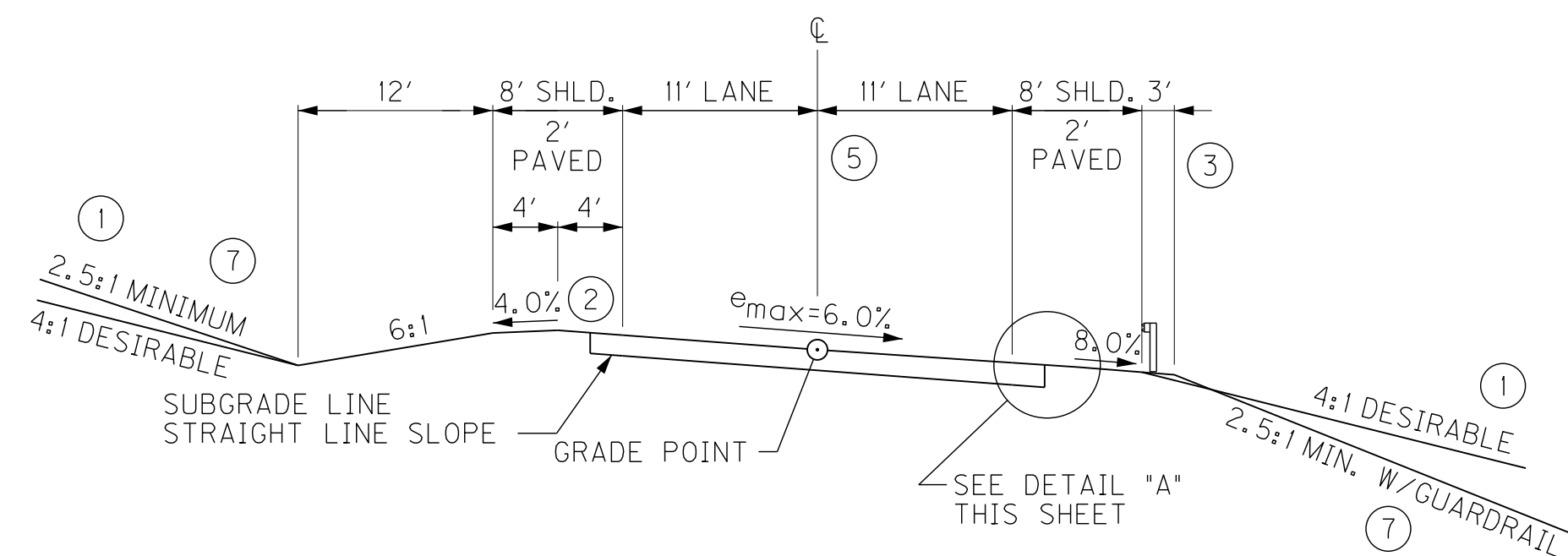
TYPICAL SECTIONS



GRAPHIC SCALE IN FEET

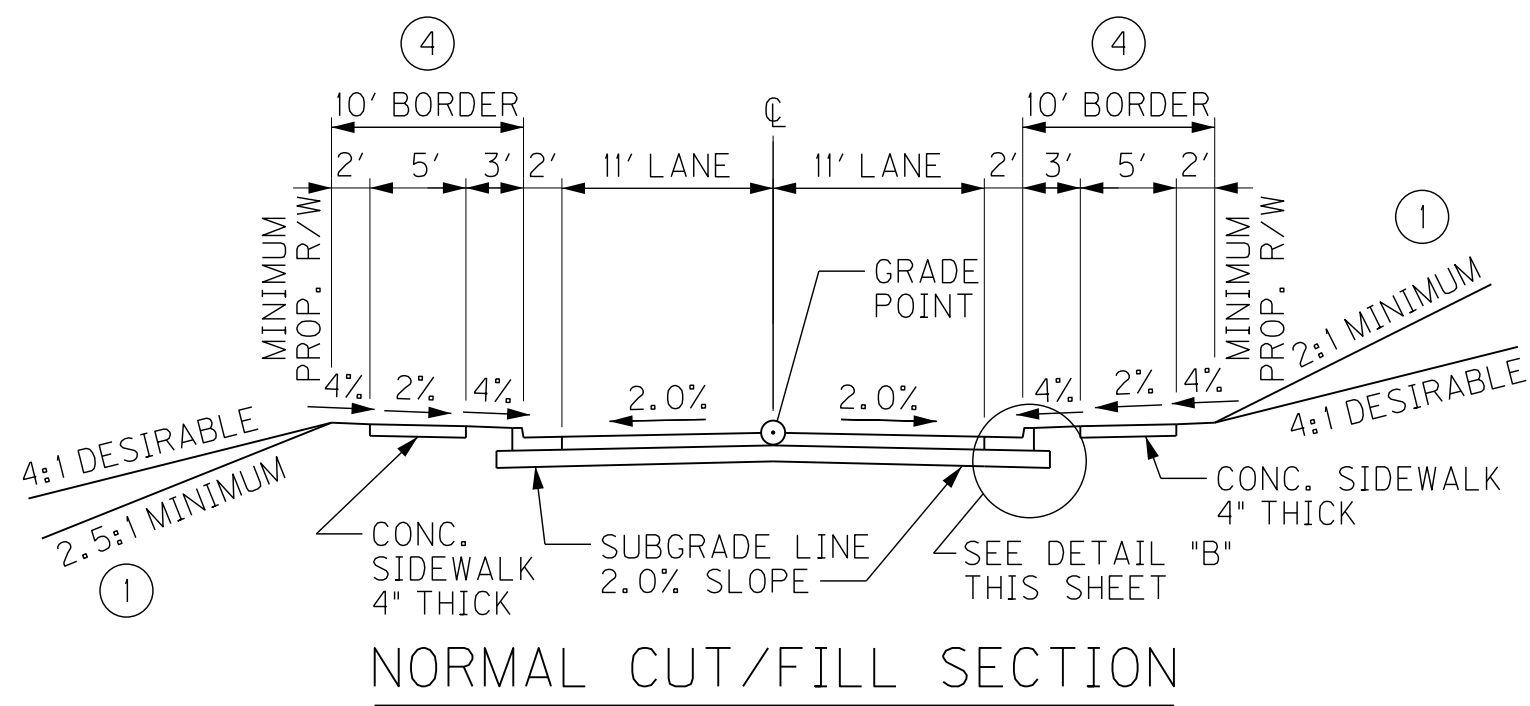


NORMAL CUT/FILL SECTION

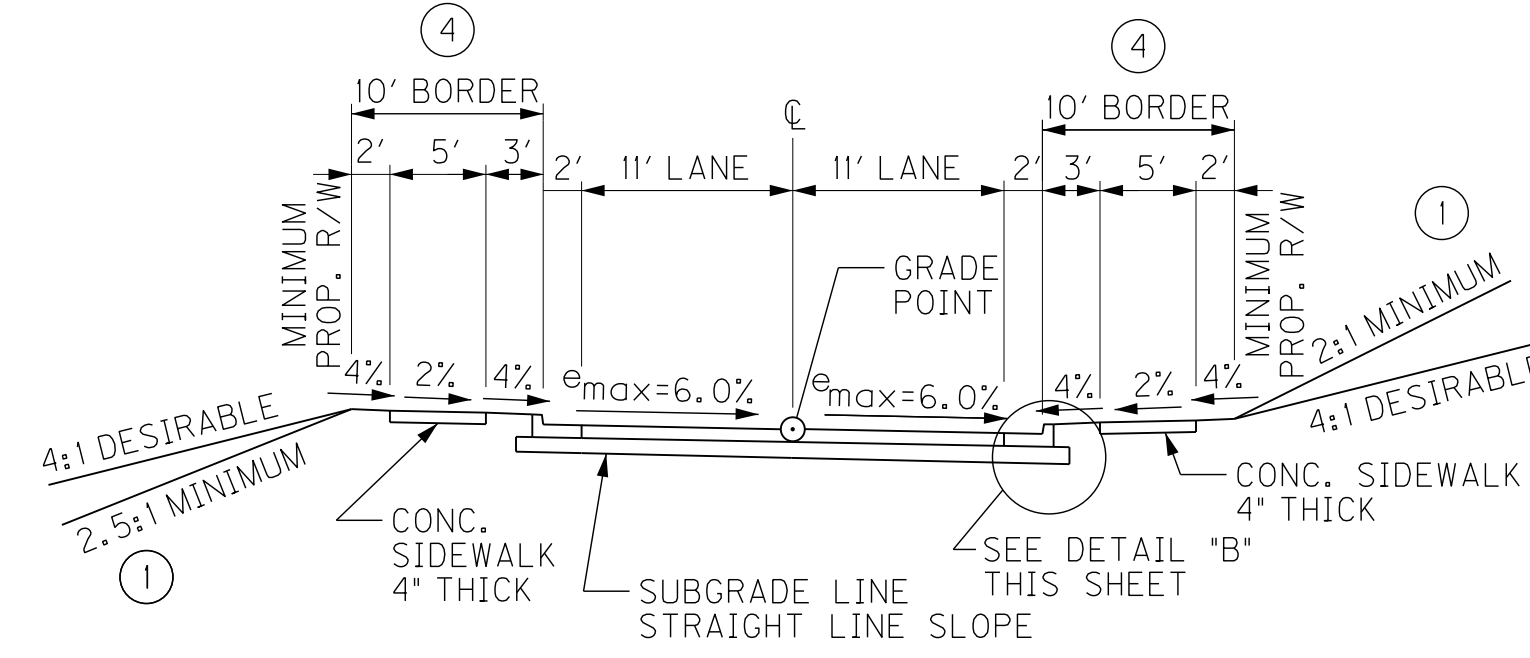


SUPERELEVATED CUT/FILL SECTION

KY 1159 – RURAL



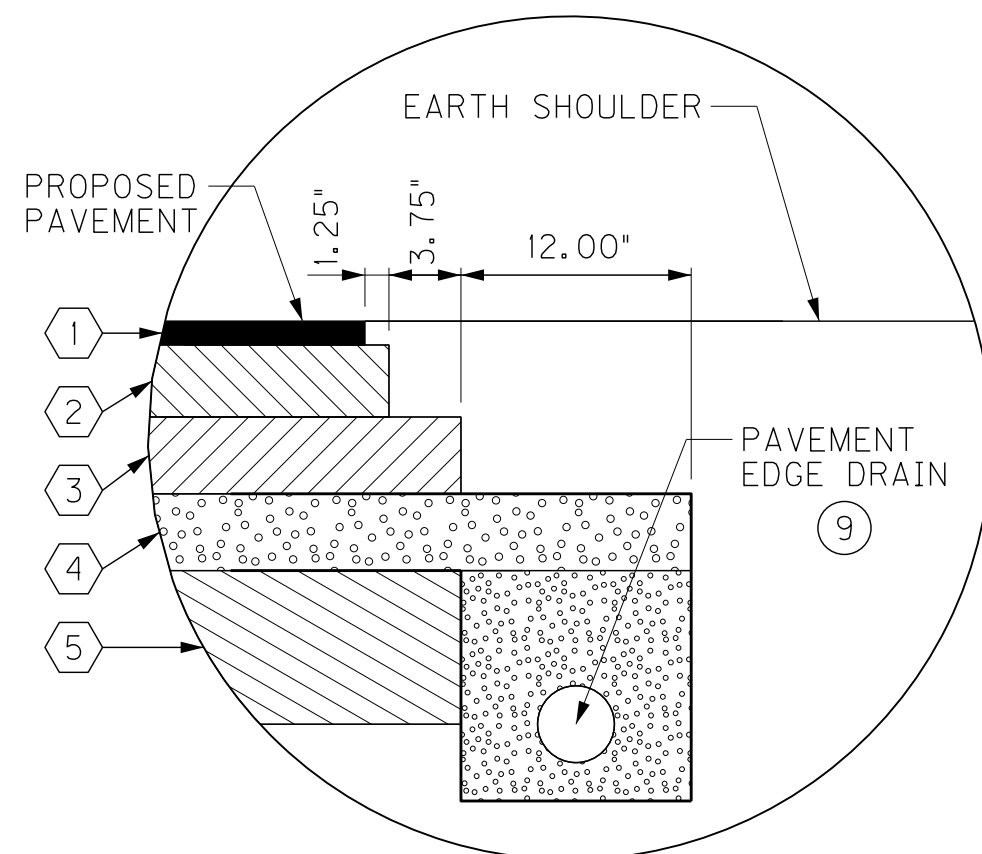
NORMAL CUT/FILL SECTION



SUPERELEVATED CUT/FILL SECTION

KY 1159 – URBAN

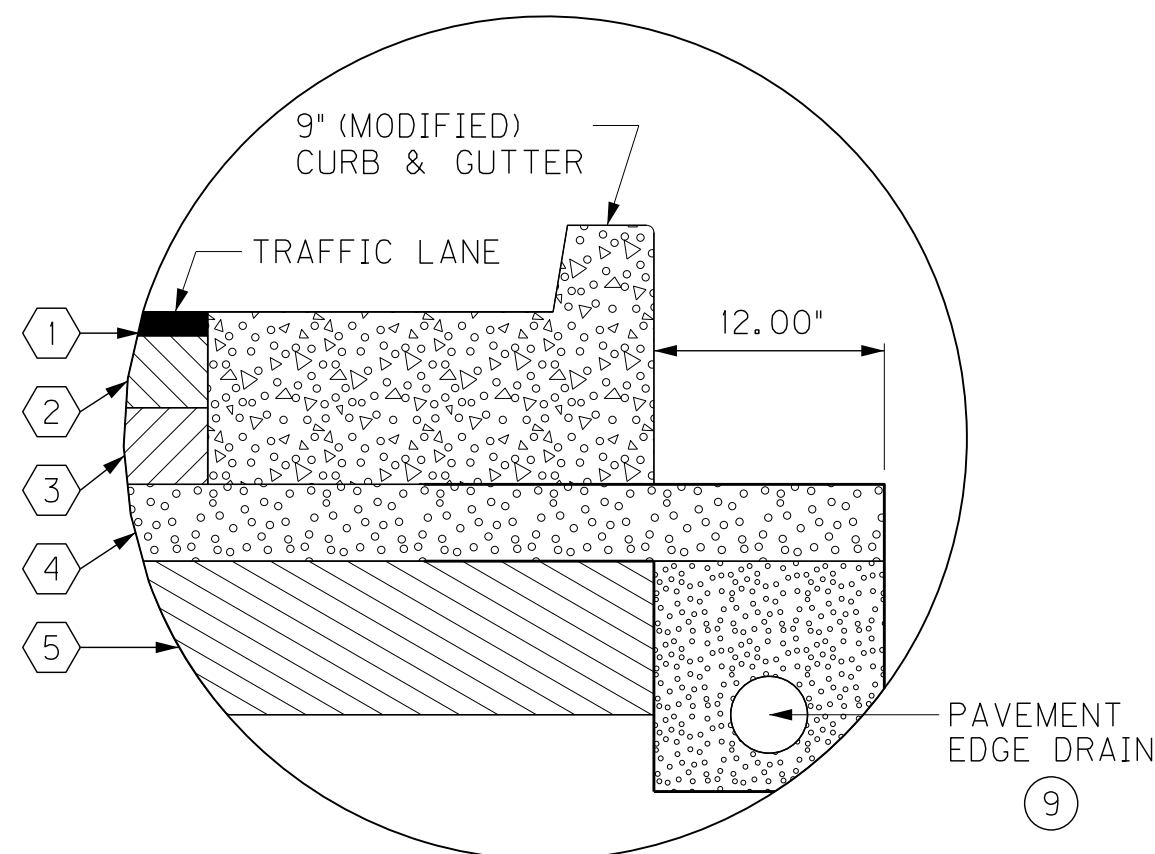
LT. STA. 102 + 00 TO LT. STA. 106 + 13
RT. STA. 102 + 00 TO RT. STA. 107 + 65



- 1 1.25" CL2 ASPH SURF 0.38D PG64-22
- 2 3.75" CL2 ASPH BASE 1.00D PG64-22
- 3 4.00" CL2 ASPH BASE 1.00D PG64-22
- 4 4.00" CRUSHED STONE BASE
- 5 8.00" LIME STABILIZED ROADBED

DETAIL "A"
KY 1159 – RURAL

NOT TO SCALE



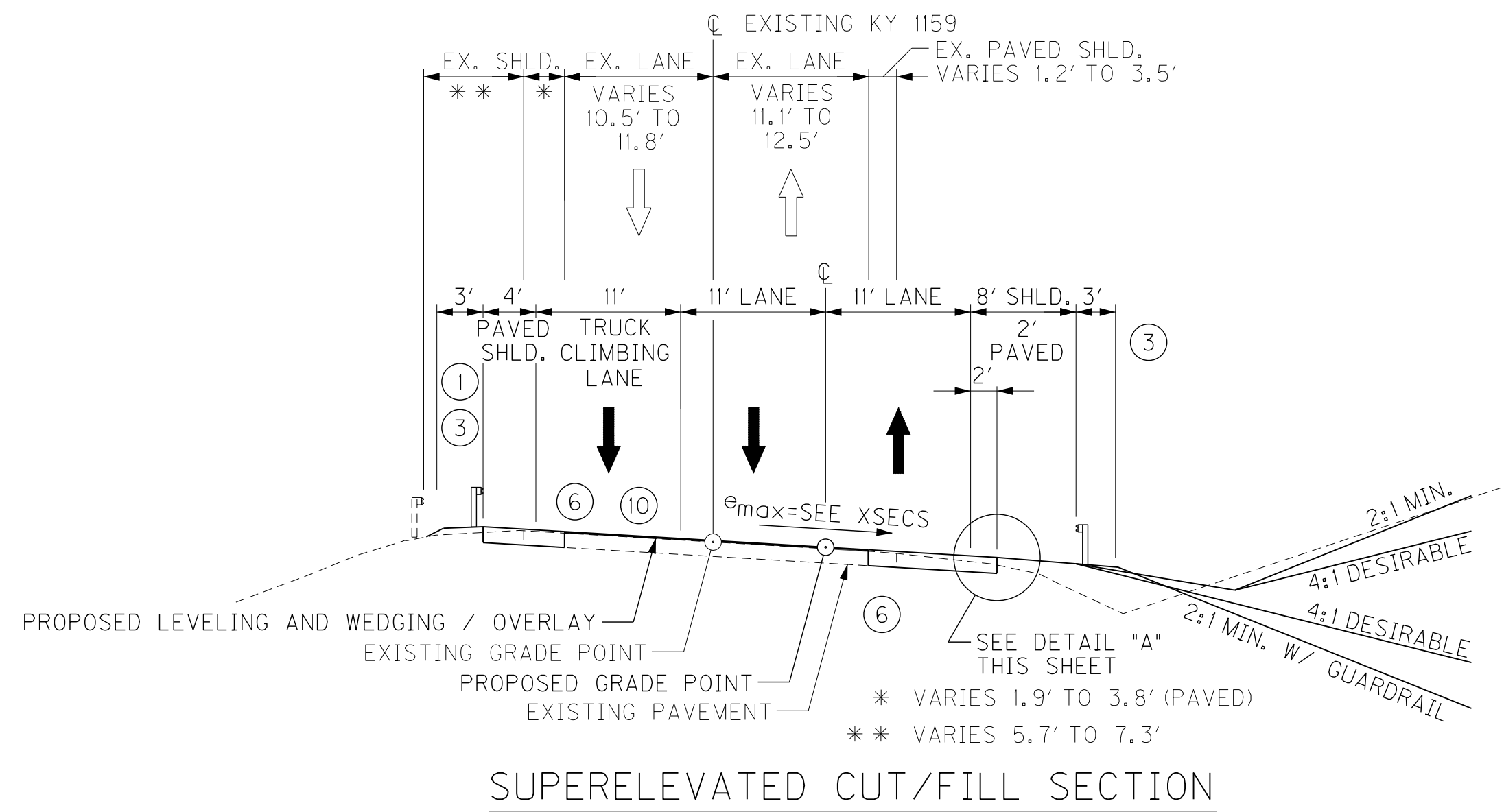
- 1 1.25" CL2 ASPH SURF 0.38D PG64-22
- 2 3.75" CL2 ASPH BASE 1.00D PG64-22
- 3 4.00" CL2 ASPH BASE 1.00D PG64-22
- 4 4.00" CRUSHED STONE BASE
- 5 8.00" LIME STABILIZED ROADBED

DETAIL "B"
KY 1159 – URBAN

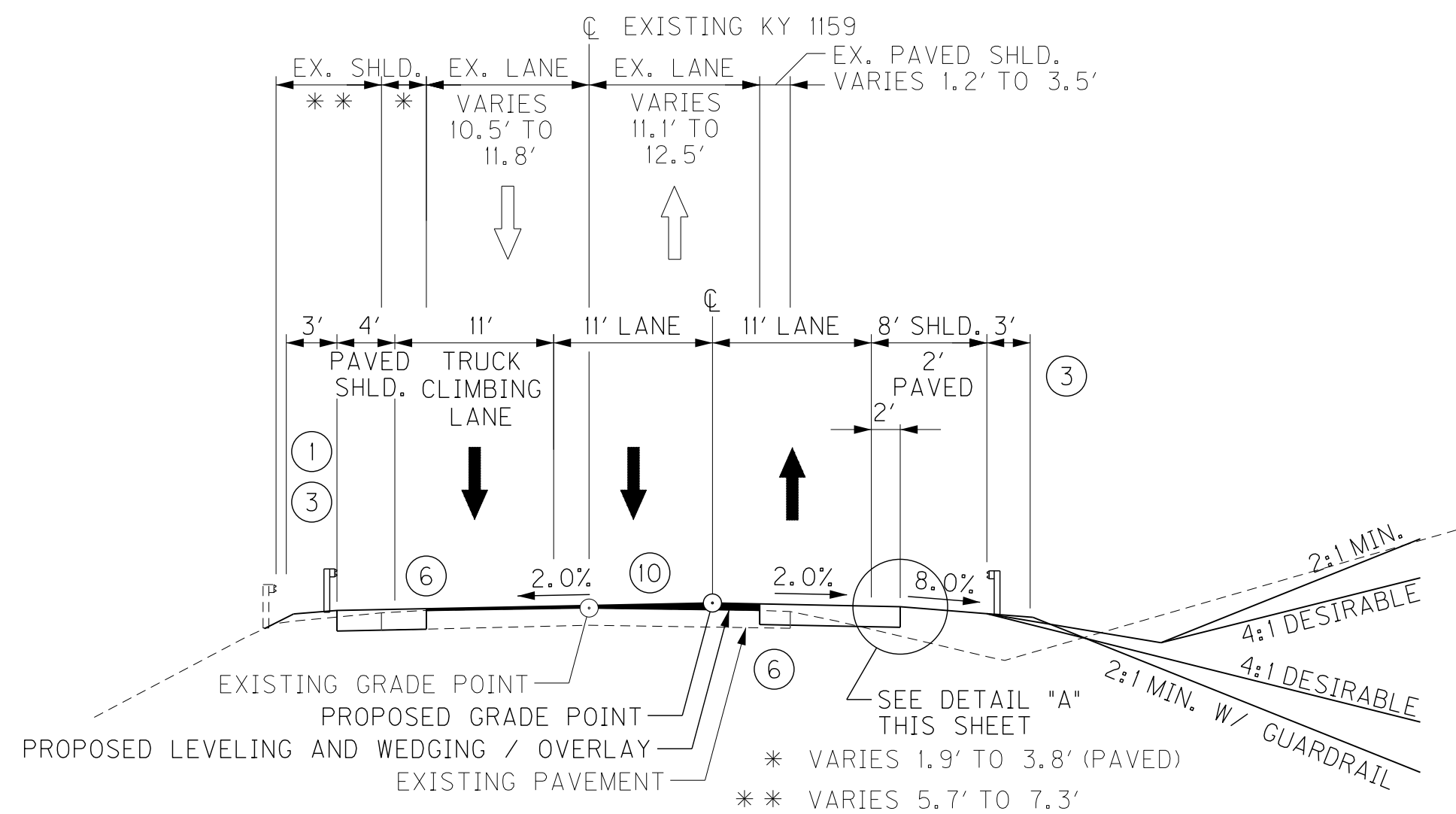
NOT TO SCALE

NOTES

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- SUPERELEVATED SHOULDER TO BE CONSTRUCTED TO SUPERELEVATION RATE. AT NO TIME WILL THE SLOPE BE FLATTER THAN THE SLOPE INDICATED FOR THE NORMAL SLOPE.
- SHOULDERS SHALL BE WIDENED 3 FEET WHERE GUARDRAIL IS TO BE INSTALLED.
- BORDER AREA IS TO BE SODDED BETWEEN CURB AND SIDEWALK AND 2 FEET BEHIND SIDEWALK.
- 12' WIDE LEFT TURN LANE PROVIDED FOR BLADESTON.
- EXISTING SHOULDER PAVEMENT IS TO BE REMOVED.
- SEE CROSS SECTIONS FOR SELECT LOCATIONS WHERE 2:1 SLOPES ARE ALLOWED.
- 6% BY DRY MASS DENSITY 102 LBS. / CU. FT.
- SEE SHEET R2B FOR PAVEMENT EDGE DRAIN DETAIL.
- ALL ASPHALT OVERLAYS TO BE 1.25" CL2 ASPH SURF 0.38D PG64-22. SEE PLANS FOR ALL LOCATIONS.



SUPERELEVATED CUT/FILL SECTION



NORMAL CUT/FILL SECTION

KY 1159 – TRUCK CLIMBING LANE
(SOUTH OF AA HIGHWAY)

RIGHT OF WAY
PLANS

KY 1159 RECONSTRUCTION
TYPICAL SECTIONS
KY 1159

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\TYPICAL SECTIONS\KY 1159 - TYPICAL SECTIONS.DGN

USER: RiceM
DATE PLOTTED: March 24, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

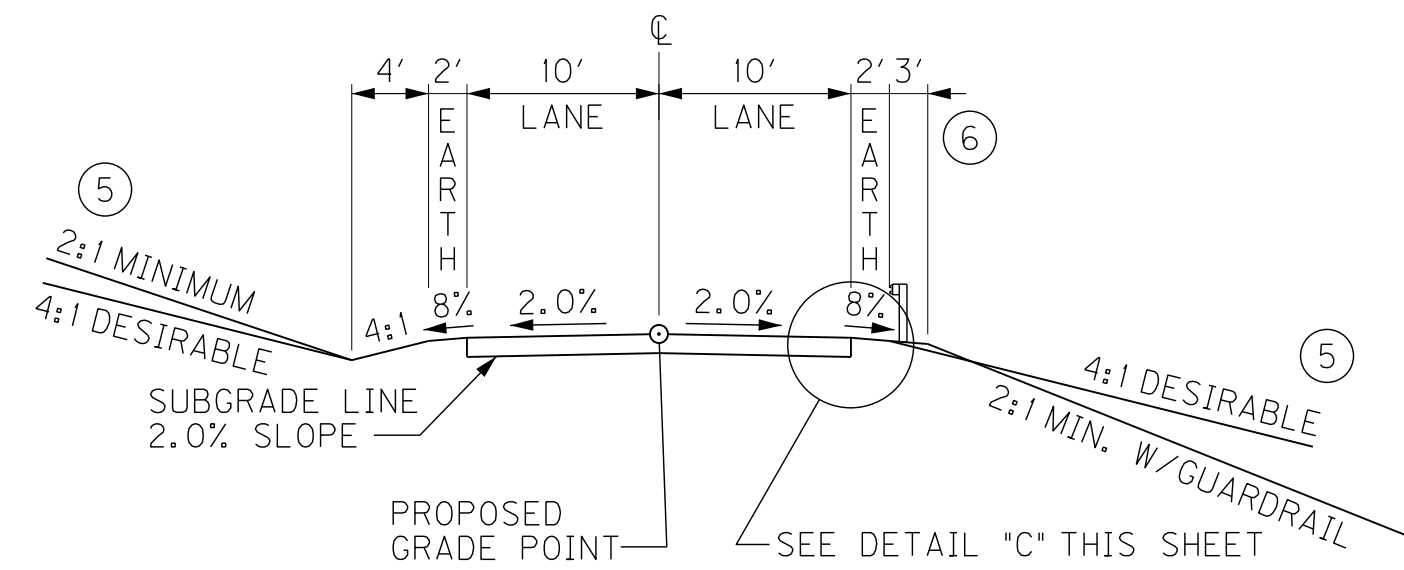
FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\TYPICAL SECTIONS\KY 1159 - TYPICAL SECTIONS.DGN

USER: RiceM
DATE PLOTTED: March 24, 2014

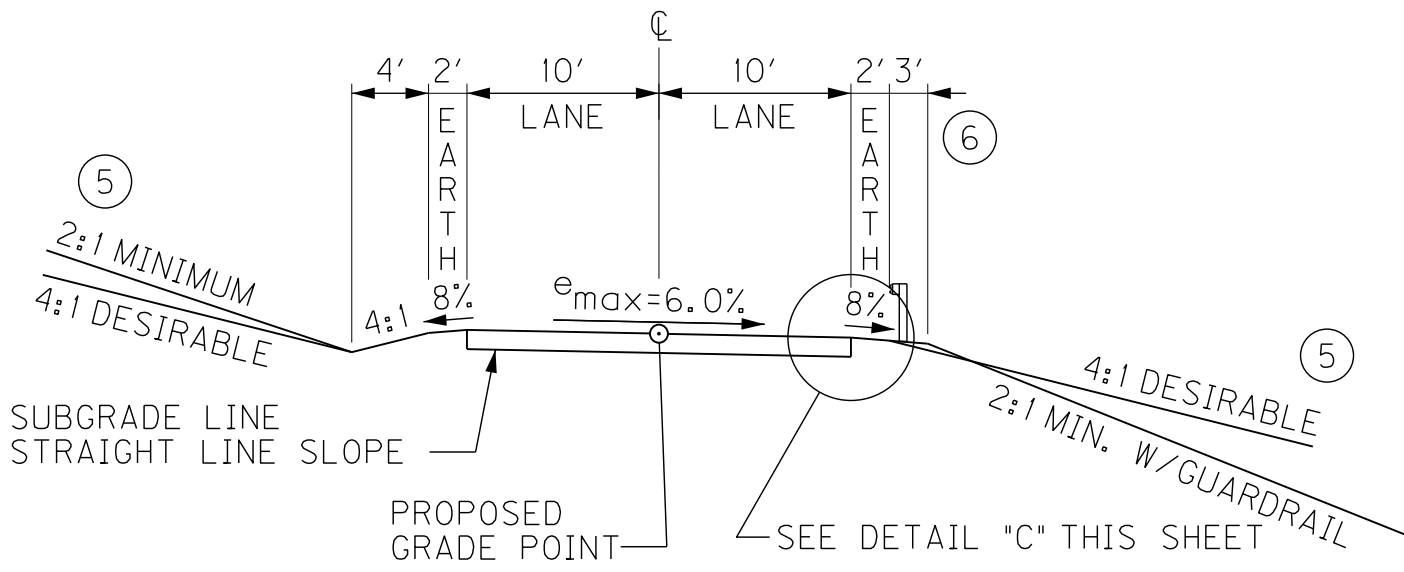
E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R2A

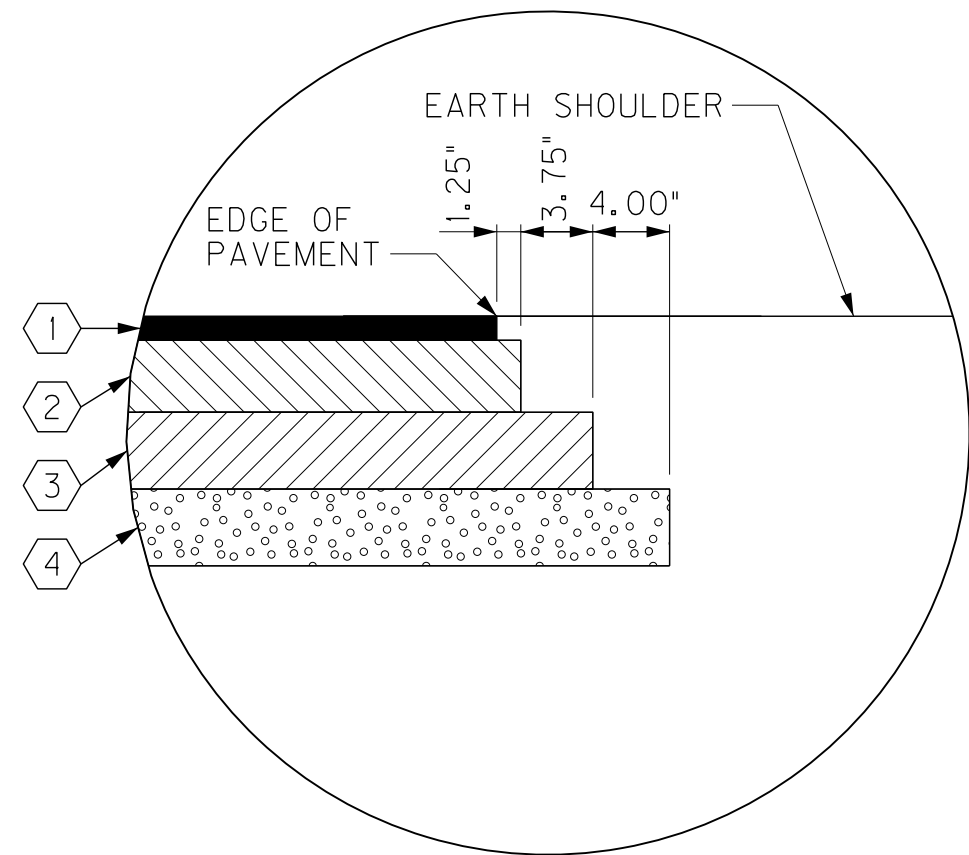


NORMAL CUT/FILL SECTION



SUPERELEVATED CUT/FILL SECTION

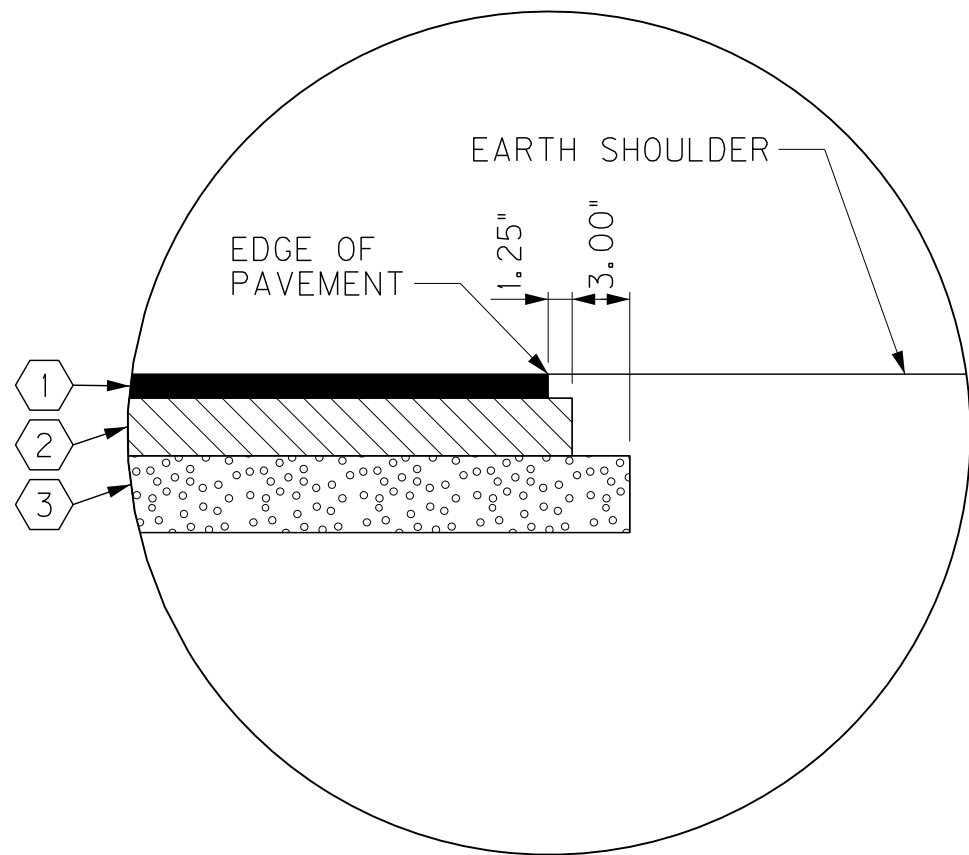
APPROACH ROADS



- 1 1.25" CL2 ASPH SURF 0.38D PG64-22
- 2 3.75" CL2 ASPH BASE 1.00D PG64-22
- 3 4.00" CL2 ASPH BASE 1.00D PG64-22
- 4 4.00" CRUSHED STONE BASE

**DETAIL "C"
APPROACH ROAD**

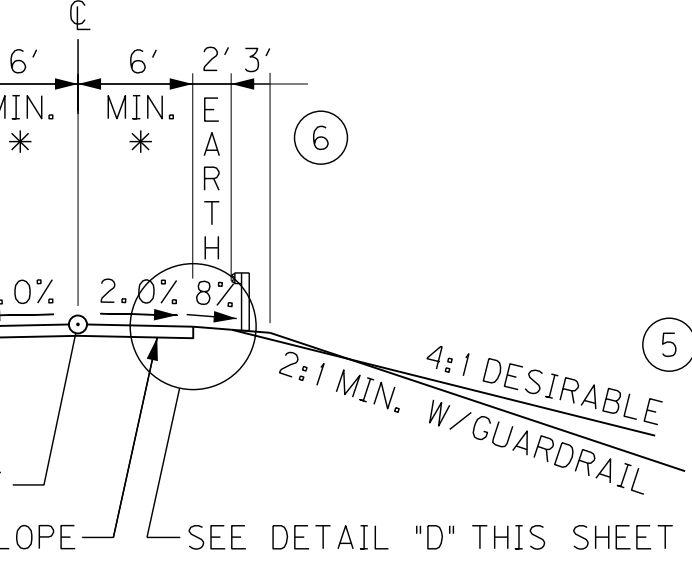
NOT TO SCALE



- 1 1.25" CL2 ASPH SURF 0.38D PG64-22
- 2 3.00" CL2 ASPH BASE 1.00D PG64-22
- 3 4.00" CRUSHED STONE BASE

**DETAIL "D"
ASPHALT ENTRANCE**

NOT TO SCALE

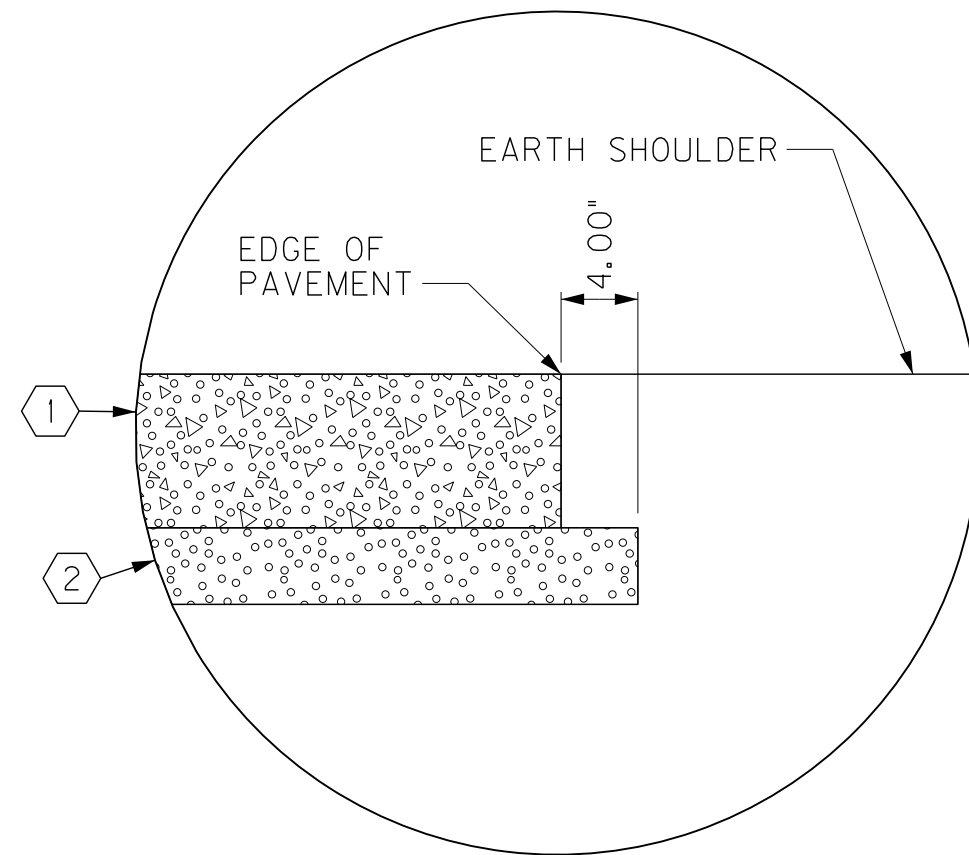


NORMAL CUT/FILL SECTION

ENTRANCES

NOTES:

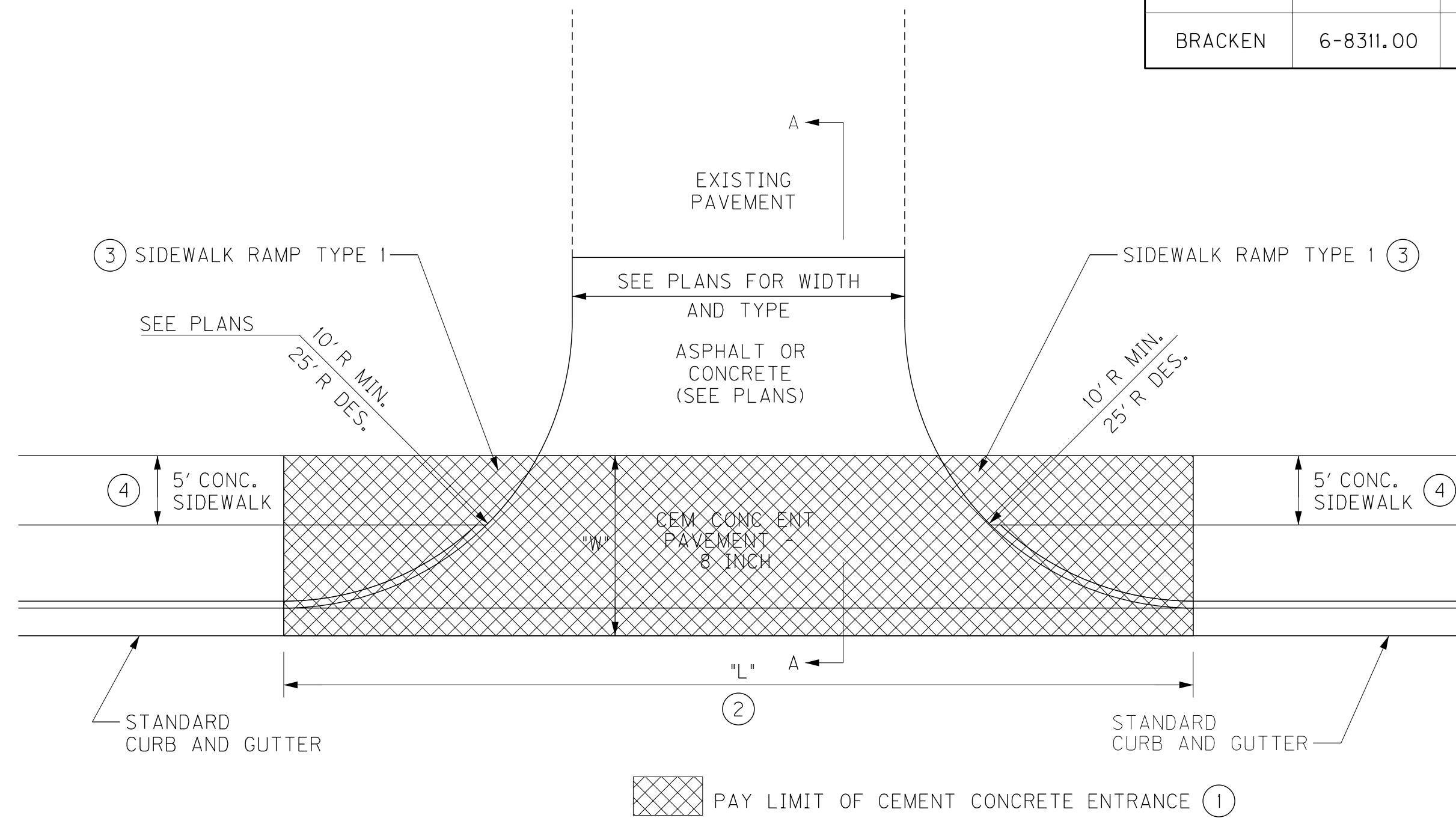
- 1 THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR CEM CONC ENT PAVEMENT - 8 INCH (CODE NO. 02101) SHALL INCLUDE CLASS "A" CONCRETE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. DGA BASE SHALL BE A SEPARATE BID ITEM.
- 2 WHEN "L" IS GREATER THAN "W" A SAWED AND SEALED JOINT, 1 1/2" DEEP AND 1/4" WIDE, SHALL BE REQUIRED AT THE CENTER OF "L".
- 3 ALL SIDEWALK RAMP REQUIRE DETECTABLE WARNINGS.
- 4 CONCRETE SIDEWALK TO BE 4" THICK.
- 5 SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- 6 SHOULDERS SHALL BE WIDENED 3 FEET WHERE GUARDRAIL IS TO BE INSTALLED.



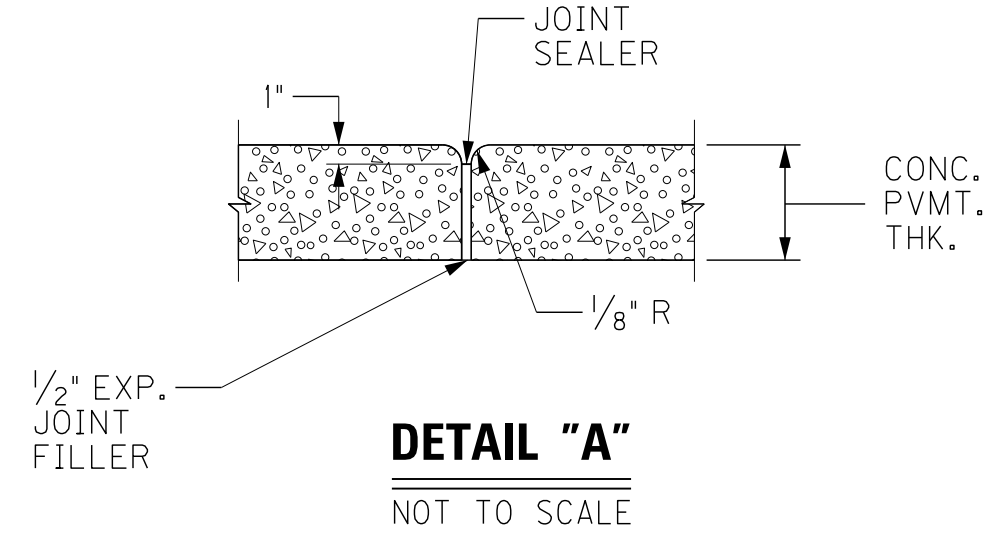
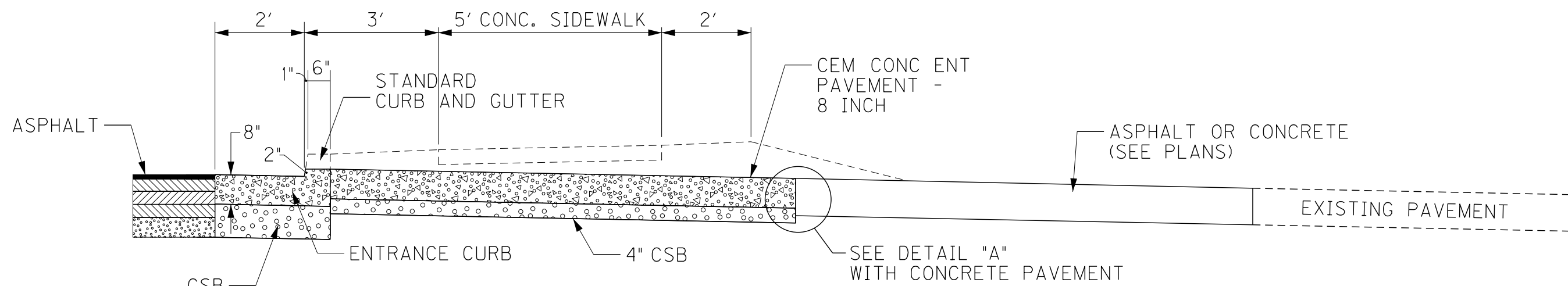
- 1 8.00" PCC PAVEMENT
- 2 4.00" CRUSHED STONE BASE

**DETAIL "D"
CONCRETE ENTRANCE**

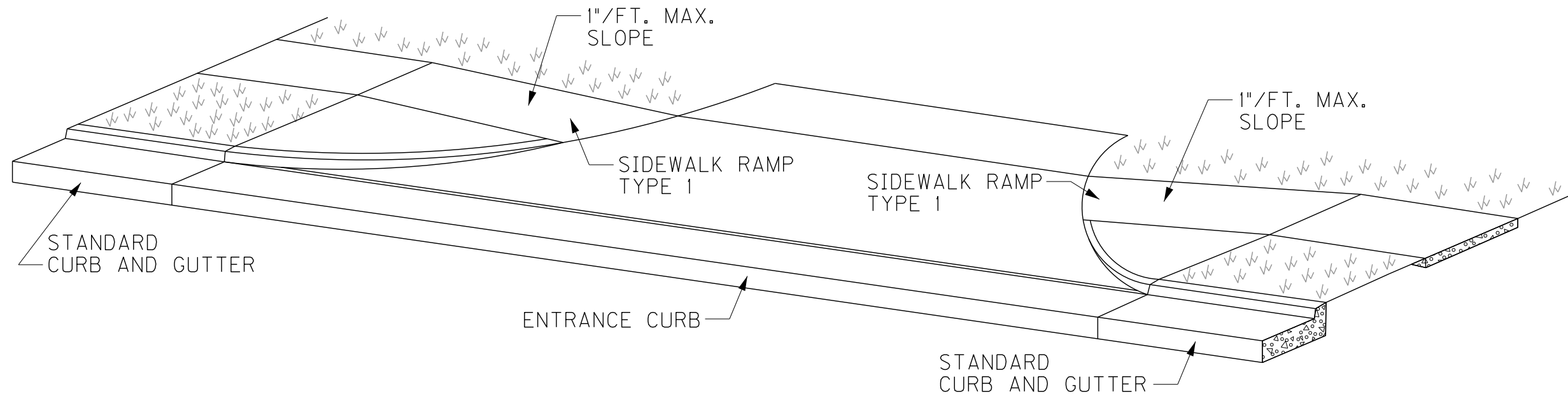
NOT TO SCALE



SECTION A-A



DETAIL "A"
NOT TO SCALE



FRONT ISOMETRIC VIEW

CEMENT CONCRETE ENTRANCE IN URBAN AREA

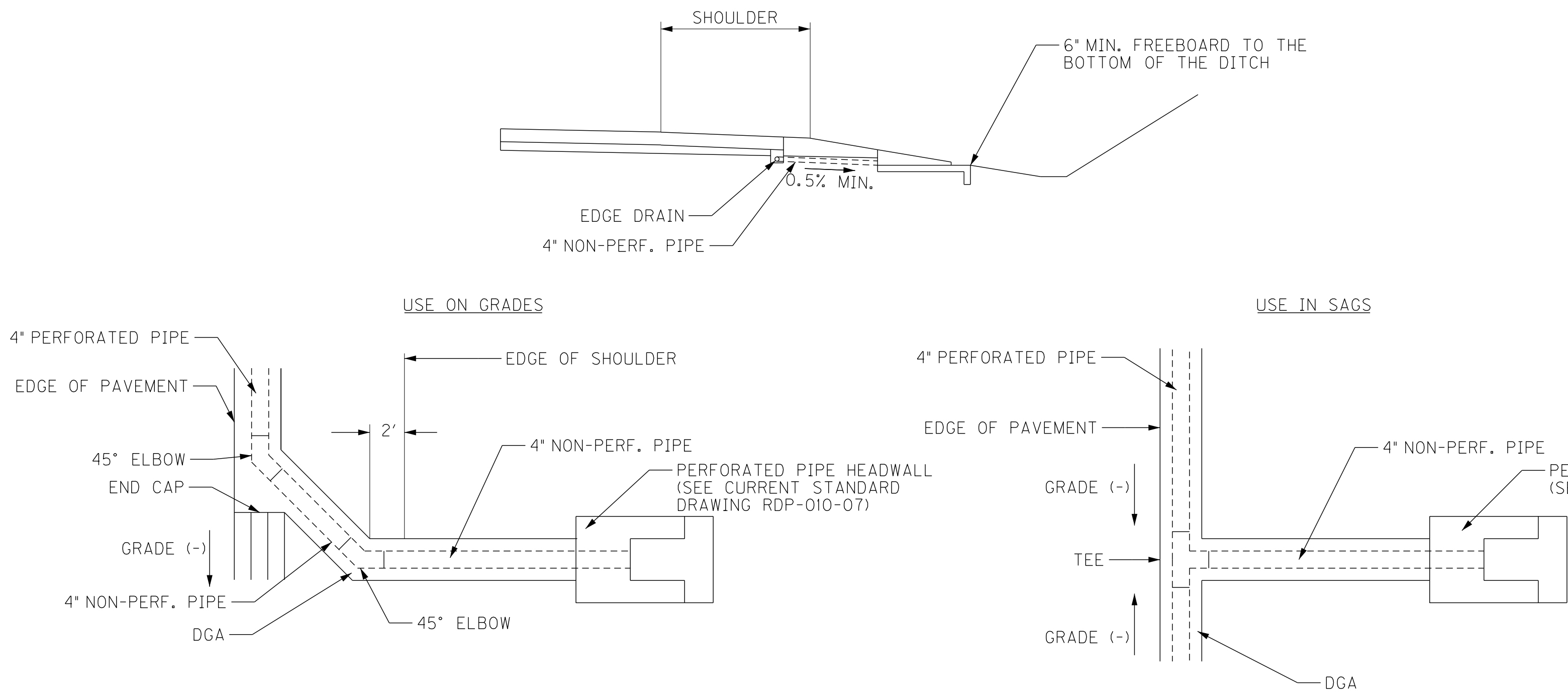
NOT TO SCALE

**RIGHT OF WAY
PLANS**

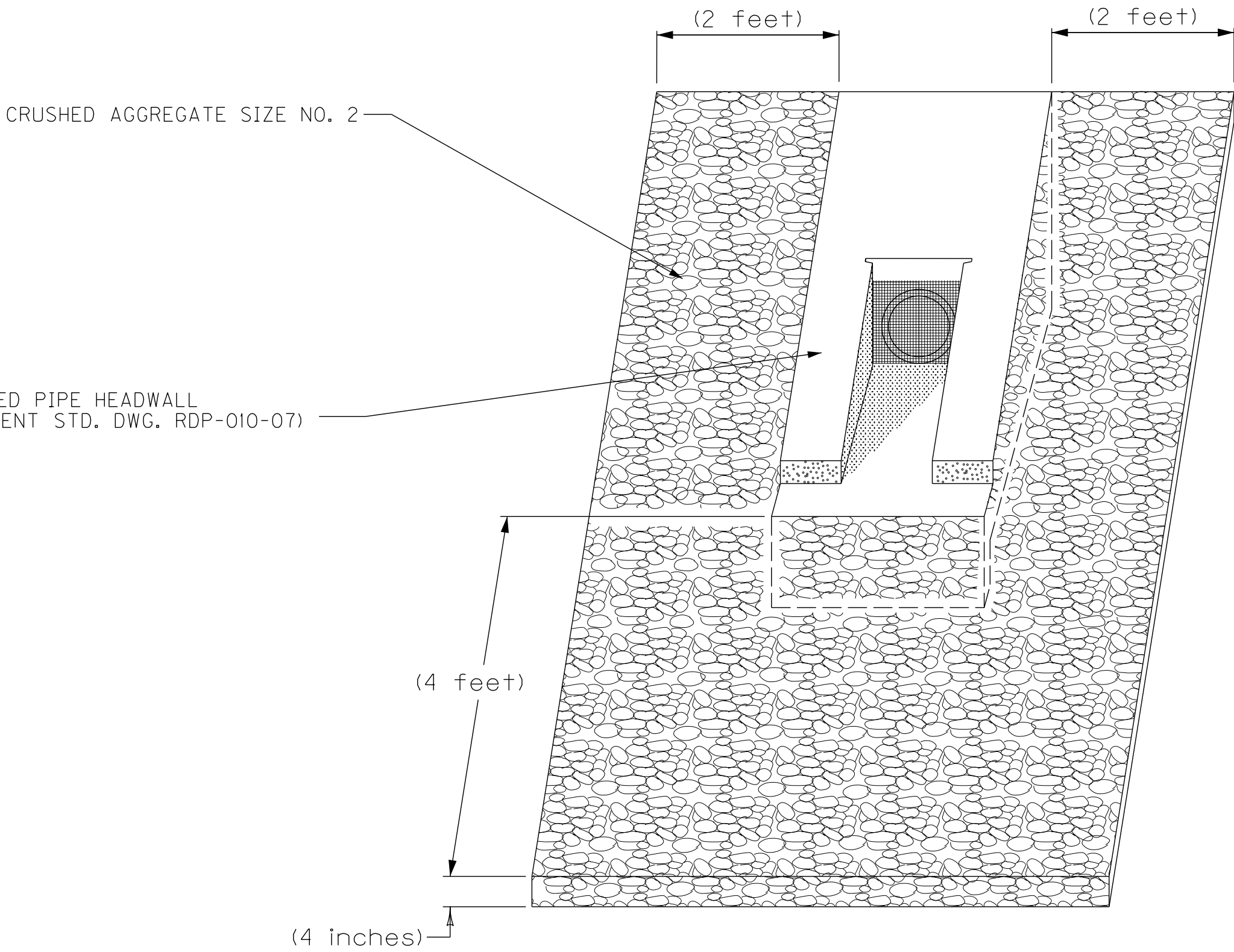
KY 1159 RECONSTRUCTION
TYPICAL SECTIONS
APPROACHES AND ENTRANCES

PAVEMENT EDGE DRAIN DETAILS

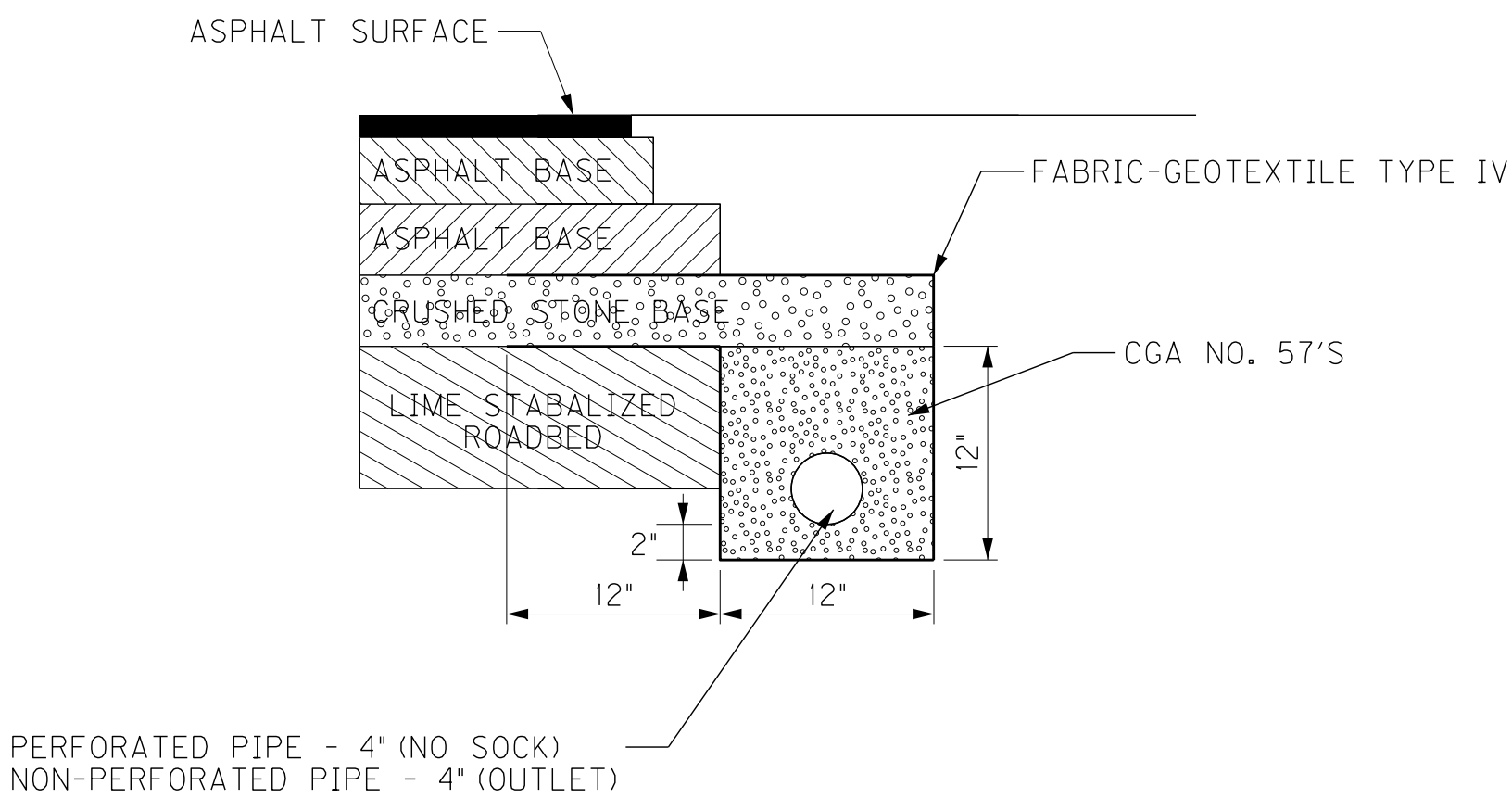
COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R2B



LONGITUDINAL PAVEMENT EDGE DRAIN
NOT TO SCALE



PERFORATED PIPE HEADWALL OUTLET
NOT TO SCALE



PAVEMENT EDGE DRAIN
NOT TO SCALE

SPECIAL NOTE FOR PAVEMENT SUBSURFACE DRAINAGE OUTLET

Use approximately one ton of Crushed Aggregate Size No. 2 at all Perforated Pipe Headwall Outlets as illustrated in the detail above. Place Crushed Aggregate Size No. 2 to a minimum depth of 4' as detailed above.

Use Dense Graded Aggregate Base (DGA) removed during placement of the Crushed Aggregate Size No. 2 to dress existing shoulders where DGA is exposed. Waste other materials removed during placement of the Crushed Aggregate Size No. 2 as directed by the Engineer. The Department will make no direct payment for disposal of wasted material.

The Department will consider payment for Crushed Aggregate Size No. 2 as full compensation for all materials, labor, and other incidentals necessary to place Crushed Aggregate Size No. 2 for vegetation control and/or erosion control at perforated pipe headwall outlets.

SEE CURRENT STANDARD DRAWING RDP-010-08 FOR DIMENSIONS AND OTHER DETAILS.

**RIGHT OF WAY
PLANS**

KY 1159 RECONSTRUCTION
PAVEMENT EDGE DRAIN DETAILS

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\TYPICAL SECTIONS\KY 1159 - TYPICAL SECTIONS.DGN

USER: RiceM
DATE PLOTTED: March 24, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

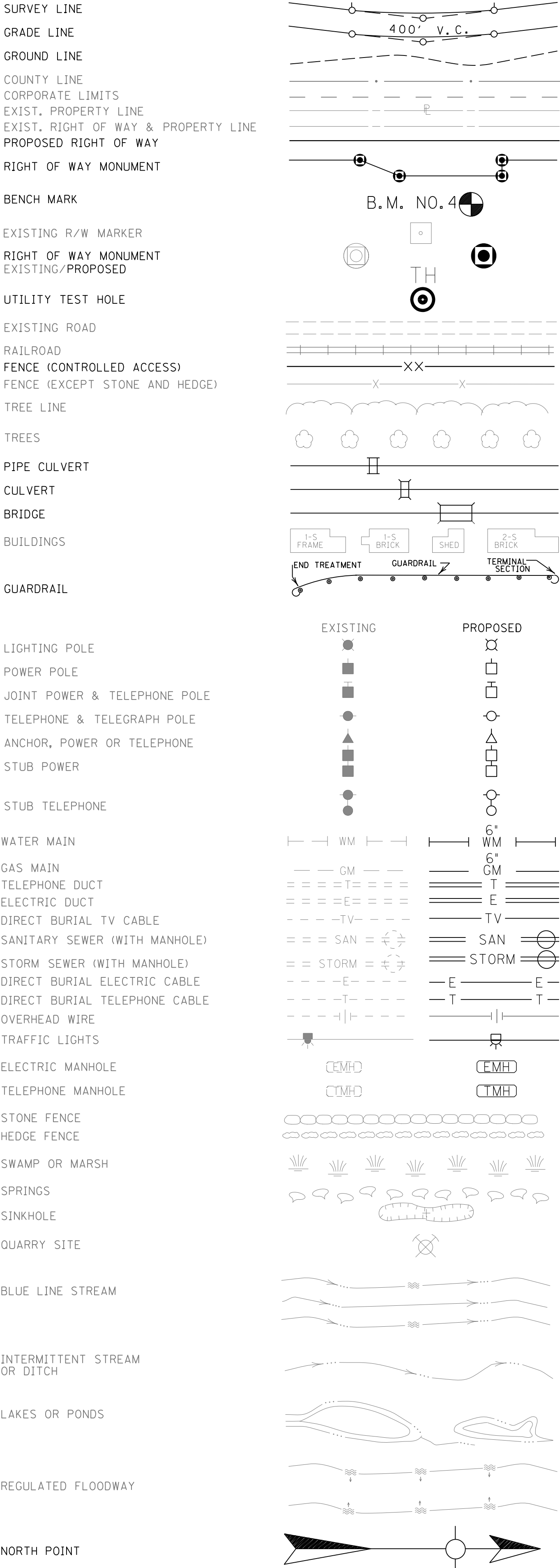
FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\MISC SHEETS\LEGEND & UTILITY OWNERS.DGN

USER: RiceM
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

CONVENTIONAL SIGNS



UTILITY OWNERS

ELECTRIC
BLUEGRASS ENERGY (859) 885-2114
KENTUCKY UTILITIES (859) 987-0325

TELEPHONE
WINDSTREAM (606) 845-4741

WATER
CITY OF BROOKSVILLE (606) 735-2619
BRACKEN COUNTY WATER DISTRICT (606) 735-3513

GAS
COLUMBIA GAS OF KENTUCKY (859) 288-0225
CITY OF BROOKSVILLE (606) 735-2619

CABLE TV
BRACKEN CABLEVISION (606) 564-9220

SANITARY SEWERS
CITY OF BROOKSVILLE (606) 735-2619

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

NOTE:
ALL MAPPING, SURVEY DATA, UTILITY LOCATIONS, EXISTING RIGHT OF WAY, EXISTING EASEMENTS, PROPERTY LINES, AND PROPERTY OWNERSHIP DATA WAS PROVIDED BY THE KENTUCKY TRANSPORTATION CABINET.

RIGHT OF WAY
PLANS

LEGEND AND UTILITY OWNERS

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\00300PL.DGN

USER: RiceM
DATE PLOTTED: March 20, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

REMOVE PAVEMENT

BEGIN RIGHT OF WAY
STA. 101+95.00

BEGIN CONSTRUCTION
STA. 102+00.00

ENTRANCE CONSTRUCTION - LEFT									8" CEM. CONC. ENT. PVMT.		
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)	8" JPC (SQ YD)	4" DGA (TONS)	
102+24	16	RES.	-	1	3	4	-	19	49	11	
102+73	18	COM.	-	2	4	5	-	23	48	11	
103+09	11	RES.	-	1	3	4	-	16	41	9	
105+65	34	COM.	-	-	-	46	200	200	-	-	
114+27	20	RES.	-	7	17	24	-	104	-	-	
115+47	12	RES.	15' - 33'	6	13	18	-	80	-	-	

NOTE: ALL ENTRANCE RADII FOR LT. ENTRANCE STATIONS 102+24, 102+73, & 103+09 ARE 15'

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
107+73 TO 112+00	421	2 - 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
106+16 TO 107+25	SPCL. "V"	ECB	215 S.Y.
107+25 TO 108+66	2' F.B. SURF.	CL2	86 TONS
113+16 TO 113+58	2' F.B. SURF.	ECB	29 S.Y.
113+58 TO 114+00	SPCL. "V"	ECB	71 S.Y.
114+50 TO 115+00	NORMAL	ECB	85 S.Y.
115+00 TO 115+30	SPCL. "V"	ECB	51 S.Y.
115+63 TO 117+00	2' F.B. SURF.	ECB	99 S.Y.

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II

STANDARD CURB AND GUTTER

LT. STA. 102+00 TO LT. STA. 102+03, CONSTRUCT 3 L.F.
LT. STA. 102+46 TO LT. STA. 102+51, CONSTRUCT 4 L.F.
LT. STA. 103+28 TO LT. STA. 105+33, CONSTRUCT 206 L.F.
LT. STA. 105+40 TO LT. STA. 105+45, CONSTRUCT 33 L.F.

SODDING

LT. STA. 102+00 TO LT. STA. 102+16, CONSTRUCT 4 SQ. YD.
LT. STA. 102+33 TO LT. STA. 102+64, CONSTRUCT 10 SQ. YD.
LT. STA. 102+82 TO LT. STA. 103+03, CONSTRUCT 6 SQ. YD.
LT. STA. 103+15 TO LT. STA. 105+44, CONSTRUCT 121 SQ. YD.

SIDEWALK - 4 INCH CONCRETE

LT. STA. 102+00 TO LT. STA. 102+03, CONSTRUCT 1 SQ. YD.
LT. STA. 102+46 TO LT. STA. 102+51, CONSTRUCT 3 SQ. YD.
LT. STA. 103+28 TO LT. STA. 105+40, CONSTRUCT 116 SQ. YD.

SIDEWALK RAMP TYPE I

LT. STA. 102+12, CONSTRUCT 1.
LT. STA. 102+35, CONSTRUCT 1.
LT. STA. 102+61, CONSTRUCT 1.
LT. STA. 102+85, CONSTRUCT 1.
LT. STA. 103+00, CONSTRUCT 1.
LT. STA. 103+17, CONSTRUCT 1.

DETECTABLE WARNINGS

LT. STA. 102+12, CONSTRUCT 14 SQ. FT.
LT. STA. 102+35, CONSTRUCT 13 SQ. FT.
LT. STA. 102+61, CONSTRUCT 13 SQ. FT.
LT. STA. 102+85, CONSTRUCT 13 SQ. FT.
LT. STA. 103+00, CONSTRUCT 13 SQ. FT.
LT. STA. 103+17, CONSTRUCT 16 SQ. FT.

SIDEWALK RAMP TYPE 3

LT. STA. 105+37, CONSTRUCT 1.

REMOVE PAVEMENT

LT. STA. 114+73 TO LT. STA. 115+37, REMOVE 34 SQ. YD.
LT. STA. 115+55 TO LT. STA. 117+00, REMOVE 150 SQ. YD.

RIGHT OF WAY PLANS

STANDARD CURB AND GUTTER
RT. STA. 102+00 TO RT. STA. 102+04, CONSTRUCT 4 L.F.
RT. STA. 103+07 TO RT. STA. 107+63, CONSTRUCT 480 L.F.

SODDING

RT. STA. 102+00 TO RT. STA. 102+19, CONSTRUCT 6 SQ. YD.
RT. STA. 102+42 TO RT. STA. 102+64, CONSTRUCT 5 SQ. YD.
RT. STA. 102+92 TO RT. STA. 107+62, CONSTRUCT 241 SQ. YD.

SIDEWALK - 4 INCH CONCRETE

RT. STA. 102+00 TO RT. STA. 102+04, CONSTRUCT 2 SQ. YD.
RT. STA. 103+07 TO RT. STA. 107+60, CONSTRUCT 267 SQ. YD.

DETECTABLE WARNINGS

RT. STA. 102+16, CONSTRUCT 13 SQ. FT.
RT. STA. 102+45, CONSTRUCT 13 SQ. FT.
RT. STA. 102+61, CONSTRUCT 13 SQ. FT.
RT. STA. 102+95, CONSTRUCT 13 SQ. FT.
RT. STA. 107+64, CONSTRUCT 11 SQ. FT.

DITCH CONSTRUCTION - RIGHT					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY		
104+61 TO 105+57	2' F.B. SURF.	CL2	44 TONS		
107+92 TO 108+58	SPCL. "V"	ECB	146 S.Y.		
108+61 TO 109+50	SPCL. "V"	ECB	234 S.Y.		
109+50 TO 111+50	NORMAL	ECB	408 S.Y.		
111+50 TO 113+00	SPCL. "V"	ECB	332 S.Y.		
113+50 TO 114+00	SPCL. "V"	ECB	85 S.Y.		
114+00 TO 114+27	2' F.B. SURF.	ECB	19 S.Y.		

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II

ENTRANCE CONSTRUCTION - RIGHT									8" CEM. CONC. ENT. PVMT.		
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)	8" JPC (SQ YD)	4" DGA (TONS)	
102+31	18	RES.	-	-	-	6	26	26	52	12	
102+78	24	RES.	-	2	4	6	-	26	58	13	
113+24	12	RES.	-	8	19	27	-	115	-	-	

NOTE: ALL ENTRANCE RADII FOR RT. ENTRANCE STATIONS 102+31 & 102+78 ARE 15'

SIDEWALK RAMP TYPE I
RT. STA. 102+16, CONSTRUCT 1.
RT. STA. 102+45, CONSTRUCT 1.
RT. STA. 102+61, CONSTRUCT 1.
RT. STA. 102+95, CONSTRUCT 1.

SIDEWALK RAMP TYPE 4
RT. STA. 107+64, CONSTRUCT 1.

SCALE: 1"=50'

DESIGNED BY: PARSONS BRINCKERHOFF
DATE SUBMITTED: MARCH 25, 2014

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
BRACKEN

KY 1159 RECONSTRUCTION
PROJECT NUMBERS: 012 1159 000-005

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 102+00 TO STA. 117+00

KY 1159

PI STA 102+65.75
Δ = 18°15'40" RT.
T = 61.07'
L = 121.11'
R = 380.00'
E = 4.88'
e = 6.0%
Runoff = 116'
Runout = 39'

KY 1159

PI STA 106+81.19
Δ = 38°32'57" LT.
T = 132.88'
L = 255.67'
R = 380.00'
E = 22.56'
e = 6.0%
Runoff = 116'
Runout = 39'

KY 1159

PI STA 111+53.47
Δ = 21°53'37" LT.
Ts = 194.35'
Ls = 133.00'
Lc = 119.20'
Θs = 05°46'23"
LT = 88.71'
ST = 44.38'
R = 660.00'
E = 2.70'
e = 6.0%
Runoff = 133'
Runout = 44.33'

KY 1159

PI STA 117+67.31
Δ = 21°46'44" LT.
Ts = 281.55'
Ls = 153.00'
Lc = 251.82'
Θs = 04°06'56"
LT = 102.03'
ST = 51.03'
R = 1065.00'
E = 7.49'
e = 5.8%
Runoff = 139'
Runout = 48'

- Arc = 139.94' - Radius = 879.59'
Chord = 139.79' - N 9°08'37" E
- N 13°42'05" E - 5.44'
- S 88°29'29" E - 15.18'
- S 17°23'54" W - 83.71'
- Arc = 64.57' - Radius = 357.00'
Chord = 64.48' - S 12°13'00" W
- N 12°52'05" E - 60.42'
- N 13°42'05" E - 105.52'
- S 78°17'00" E - 31.43'
- S 28°03'04" E - 2.93'
- N 88°29'29" W - 61.42'
- N 10°52'06" W - 94.41'

- N 24°48'11" W - 43.42'
- S 76°08'12" E - 64.47'
- Arc = 2.62' - Radius = 309.13'
Chord = 2.62' - S 13°27'30" W
- S 76°17'55" E - 1.80'
- S 13°42'05" W - 117.04'
- N 13°42'05" E - 144.63'
- Arc = 63.14' - Radius = 349.13'
Chord = 63.05' - N 8°10'49" E
- N 73°15'03" E - 23.78'
- S 13°13'51" E - 18.88'
- S 41°21'11" W - 34.86'
- S 10°42'59" E - 65.65'
- N 24°48'11" W - 5.30'

- N 19°57'55" W - 28.98'
- N 57°09'58" E - 21.38'
- S 49°45'39" E - 49.64'
- Arc = 301.26' - Radius = 967.58'
Chord = 300.05' - S 40°50'27" E
- S 31°55'16" E - 35.59'
- Arc = 243.53' - Radius = 309.13'
Chord = 237.28' - S 9°21'10" E
- Arc = 262.67' - Radius = 1007.58'
Chord = 261.92' - N 42°17'33" W
- N 49°45'39" E - 158.19'
- N 50°41'40" W - 108.62'
- N 50°41'40" W - 45.11'
- N 49°52'41" W - 235.84'
- S 42°24'35" E - 38.97'

0' 50' 100' 200'
GRAPHIC SCALE IN FEET

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\00500PL.DGN

USER: RiceM
DATE PLOTTED: March 20, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

REMOVE PAVEMENT
TEMPORARY PAVEMENT
FOR MOT DIVERSIONS

- S 49°27'09" W - 66.43'
- N 63°55'57" W - 35.34'
- N 45°39'34" E - 85.18'
- S 49°52'41" E - 28.71'
- N 49°52'41" W - 235.84'
- Arc = 242.29' - Radius = 1836.32'
Chord = 242.11' - N 53°39'28" W
- N 57°26'16" W - 116.78'
- Arc = 51.24' - Radius = 704.36'
Chord = 51.23' - N 55°21'14" W
- N 18°49'37" E - 19.24'
- N 44°53'37" E - 11.10'
- S 6°04'36" E - 28.42'
- S 64°32'34" E - 176.36'
- S 42°24'35" E - 38.97'
- N 40°15'36" W - 20.25'
- N 21°06'50" E - 11.30'
- S 43°17'03" E - 24.93'
- N 46°42'57" E - 25.00'
- N 43°17'03" W - 25.00'
- N 42°22'28" E - 46.31'
- Arc = 226.43' - Radius = 744.36'
Chord = 225.56' - S 48°43'23" E
- S 57°26'16" E - 116.78'
- Arc = 233.45' - Radius = 1796.32'
Chord = 233.28' - S 53°42'53" E
- Arc = 28.30' - Radius = 704.36'
Chord = 28.30' - N 48°16'59" W
- N 87°16'00" E - 49.70'
- S 53°22'23" W - 35.54'
- N 46°42'57" E - 25.00'
- N 9°45'39" W - 64.57'
- N 77°55'07" E - 89.15'
- Arc = 167.30' - Radius = 592.96'
Chord = 166.75' - S 31°12'17" E
- S 39°17'16" E - 247.94'

- Arc = 9.36' - Radius = 744.36'
Chord = 9.36' - S 39°38'53" E
- N 9°45'39" W - 18.40'
- N 39°32'37" W - 129.61'
- N 83°02'44" E - 136.73'
- S 14°47'16" E - 35.65'
- Arc = 86.25' - Radius = 592.96'
Chord = 86.17' - S 18°57'17" E
- S 43°17'03" E - 789.44'
Chord = 252.34' - S 23°59'04" E
- S 14°47'16" E - 136.59'
- S 43°17'03" E - 25.00'
- S 43°17'03" E - 0.07'

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	15" SLOTTED DRAIN PIPE (FT)	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
122+45	12	RES.	-	-	10	24	33	-
127+00	12	RES.	15" - 24"	12	10	25	35	-
129+72	12	RES.	15" - 70'	-	10	24	34	-

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
122+61 TO 124+15	163	1 - TERM. SECT. NO. 1, 1 - 4A
129+80 TO 132+00	284	1 - TERM. SECT. NO. 1

REMOVE PAVEMENT
LT. STA. 117+00 TO LT. STA. 118+87,
REMOVE 188 SQ. YD.

A	+65.28 - 41.79'
B	+69.73 - 60.56'
C	+67.01 - 71.37'
D	+48.83 - 48.71'
E	+17.66 - 13.52'
F	+64.51 - 17.20'
G	+65.90 - 39.22'
H	+43.06 - 52.37'
I	+26.67 - 26.36'
J	+09.86 - 32.80'
K	+07.86 - 29.70'
L	+76.05 - 38.67'
M	+30.33 - 54.47'
N	+43.64 - 50.02'
O	+77.10 - 14.70'
P	+17.45 - 13.92'

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
117+00 TO 117+55	2' F.B. SURF.	ECB	41 S.Y.
117+55 TO 117+77	2' F.B. SURF.	ECB	116 S.Y.
117+55 TO 118+50	2' F.B. SURF.	ECB	67 S.Y.
118+50 TO 119+00	SPCL. "V"	ECB	134 S.Y.
119+00 TO 122+25	NORMAL	ECB	509 S.Y.
125+75 TO 126+84	SPCL. "V"	ECB	168 S.Y.
127+19 TO 127+75	SPCL. "V"	ECB	91 S.Y.
127+75 TO 129+00	SPCL. 2' F.B.	ECB	223 S.Y.
129+00 TO 129+50	SPCL. 2' F.B.	CL2	61 TONS
130+14 TO 132+00	2' F.B. SURF.	CL3	134 TONS

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

MICHAEL SCHALLER, JR.
DARLA SCHALLER (WF.)
DAVID D.COMBS
ROSE COMBS (WF.)

KY 1159

KY 1159
PI STA 126+06.76
Δ = 46°29'22" RT.
Ts = 534.32'
Ls = 153.00'
Lc = 711.13'
Θs = 04°06'56"
LT = 102.03
ST = 51.03
R = 1065.00'
e = 62.24'
Runoff = 139'
Runout = 48'

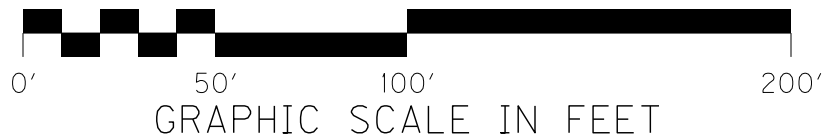
DETAIL "A"
RIGHT OF WAY INFO.

NOT TO SCALE

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 117+00 TO STA. 132+00

SCALE: 1"=50'

RIGHT OF WAY
PLANS



RIGHT OF WAY PLANS

REMOVE PAVEMENT
TEMPORARY PAVEMENT FOR MOT DIVERSIONS

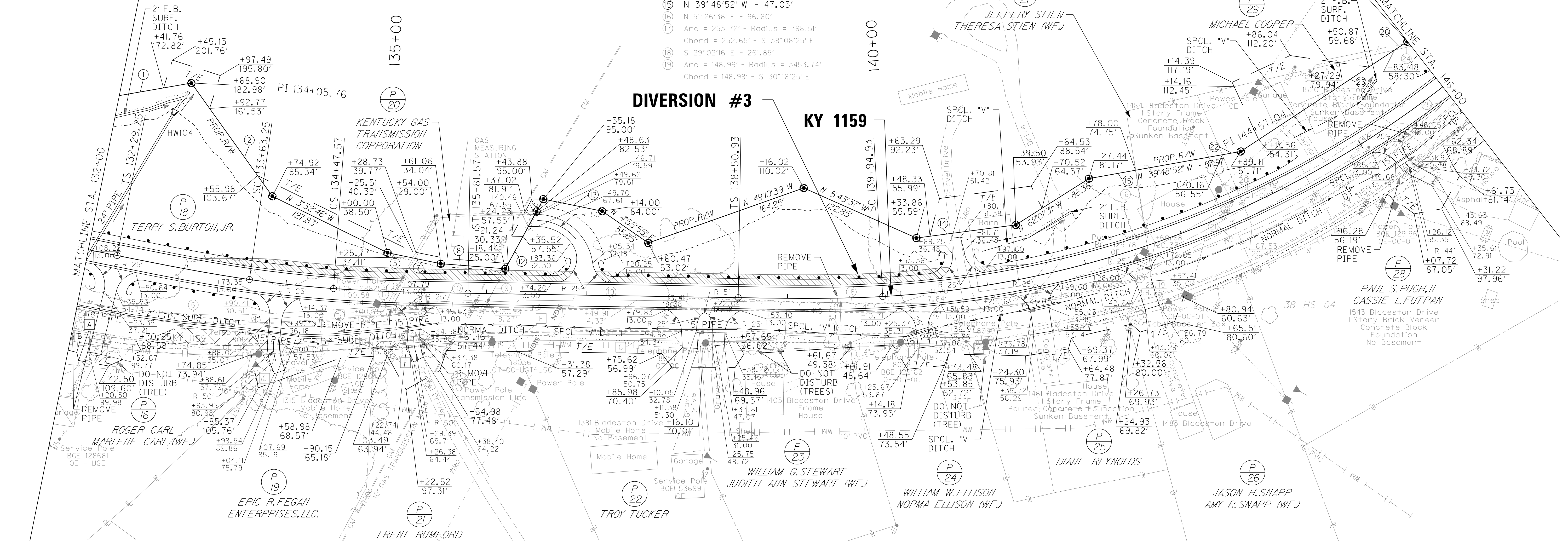
STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
132+00 TO 136+83	489	1 - TERM. SECT. NO. 1
137+11 TO 140+59	363	2 - TERM. SECT. NO. 1
140+91 TO 144+00	313	1 - TERM. SECT. NO. 1, 1 - 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
132+00 TO 132+62	2' F.B. SURF.	CL3	72 TONS
141+00 TO 141+50	SPCL. "V"	ECB	85 S.Y.
141+50 TO 142+00	2' F.B. SURF.	ECB	36 S.Y.
144+40 TO 145+25	SPCL. "V"	ECB	268 S.Y.
145+25 TO 145+50	2' F.B. SURF.	ECB	36 S.Y.

ECB - EROSION CONTROL BLANKET
CL3 - CHANNEL LINING CLASS III

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
136+97	12	RES.	-	11	26	37	-	160
140+75	12	RES.	-	5	12	17	-	72

- ① N 39°32'37" W - 252.90'
② N 24°44'34" E - 138.63'
③ N 18°05'31" W - 25.75'
④ N 89°05'30" E - 55.27'
⑤ S 33°10'51" E - 113.13'
⑥ Arc = 253.43' - Radius = 789.44'
Chord = 252.34' - S 23°59'04" E
⑦ N 18°05'31" W - 28.46'
⑧ N 25°11'00" W - 64.50'
⑨ N 88°55'54" E - 37.57'
⑩ Arc = 100.74' - Radius = 3453.74'
Chord = 100.74' - S 32°20'43" E
⑪ S 33°10'51" E - 0.16'
⑫ S 88°55'54" W - 116.62'
⑬ N 18°09'57" W - 59.84'
⑭ N 37°12'39" W - 99.82'
⑮ N 39°48'52" W - 47.05'
⑯ N 51°26'36" E - 96.60'
⑰ Arc = 253.72' - Radius = 798.51'
Chord = 252.65' - S 38°08'25" E
⑱ S 29°02'16" E - 261.85'
⑲ Arc = 148.99' - Radius = 3453.74'
Chord = 148.98' - S 30°16'25" E
- ⑳ N 37°37'01" E - 76.99'
㉑ Arc = 109.06' - Radius = 798.51'
Chord = 108.98' - S 51°09'20" E
㉒ N 39°48'52" W - 18.57'
㉓ N 63°05'06" W - 183.51'
㉔ N 42°31'27" W - 87.14'
㉕ Arc = 387.36' - Radius = 798.51'
Chord = 383.57' - S 68°57'55" E
㉖ N 63°05'06" W - 15.29'
- A +12.21 - 110.13'
B +08.87 - 102.56'
C +97.20 - 69.88'
D +90.24 - 56.40'
E +04.54 - 54.93'
F +26.79 - 47.16'
G +50.11 - 44.33'
H +13.36 - 44.02'
I +61.26 - 44.88'
J +08.02 - 47.70'
K +71.47 - 52.52'



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
132+58 TO 133+71	2' F.B. SURF.	ECB	81 S.Y.
134+18 TO 135+11	2' F.B. SURF.	TRM1	67 S.Y.
135+46 TO 136+38	NORMAL	ECB	127 S.Y.
136+38 TO 137+83	SPCL. "V"	ECB	292 S.Y.
138+50 TO 140+16	SPCL. "V"	ECB	340 S.Y.
140+47 TO 141+26	SPCL. "V"	ECB	134 S.Y.
141+66 TO 142+32	NORMAL	ECB	112 S.Y.
142+68 TO 144+50	NORMAL	ECB	386 S.Y.
144+50 TO 145+09	SPCL. "V"	ECB	67 S.Y.
145+44 TO 146+00	SPCL. "V"	ECB	116 S.Y.

ECB - EROSION CONTROL BLANKET
TRM1 - TURF REINFORCEMENT MAT 1

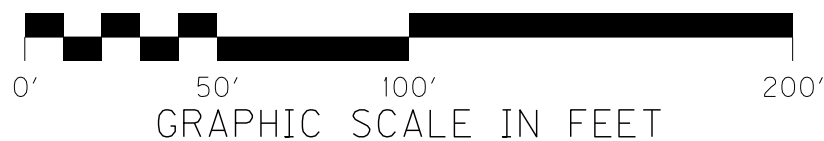
ENTRANCE CONSTRUCTION - RIGHT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	15" SLOTTED DRAIN PIPE (FT)	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
132+29	12	RES.	18" - 60"	-	9	23	32	-
133+94	12	RES.	15" - 49"	-	8	20	28	-
135+29	12	RES.	15" - 37"	-	7	16	22	-
138+03	15	RES.	15" - 34"	-	6	13	18	-
138+32	13	RES.	15" - 34"	-	5	11	15	-
140+31	12	RES.	15" - 33"	-	5	13	17	-
141+46	19	RES.	15" - 41"	-	-	-	26	112
142+50	15	RES.	-	-	-	-	23	100
145+25	12	RES.	15" - 24"	12	7	16	22	-

KY 1159
PI STA 144+57.04
Δ = 56°10'26" LT.
Ts = 606.11'
Ls = 144.00'
Lo = 836.42'
Os = 04°07'31"
LT = 48.02'
ST = 1000.00'
E = 94.31'
e = 6.07'
Runoff = 144'
Runout = 48'

REMOVE PAVEMENT
RT. STA. 132+74 TO RT. STA. 133+81,
REMOVE 155 SQ. YD.
RT. STA. 134+14 TO RT. STA. 134+62,
REMOVE 19 SQ. YD.

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
132+00 TO 132+14	25	1 - TERM. SECT. NO. 1
132+45 TO 133+78	150	2 - TERM. SECT. NO. 1

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 132+00 TO STA. 146+00



SCALE: 1"=50'

 REMOVE PAVEMENT

TEMPORARY PAVEMENT
FOR MOT DIVERSIONS

- ① N 84°33'13" E - 32.51'
- ② Arc = 175.38° - Radius = 798.51'
Chord = 175.02° - S 89°09'16" E
- ③ S 73°14'13" E - 42.16'
- ④ S 55°26'32" E - 43.99'
- ⑤ S 42°31'27" E - 87.14'
- ⑥ Arc = 119.37° - Radius = 838.51'
Chord = 119.27° - N 83°13'23" W
- ⑦ N 11°14'27" E - 27.06'
- ⑧ S 87°14'10" E - 78.82'
- ⑨ N 55°57'15" E - 82.52'
- ⑩ S 35°46'14" W - 37.45'
- ⑪ S 12°54'20" W - 54.00'
- ⑫ Arc = 119.20° - Radius = 838.51'
Chord = 119.10° - S 88°37'34" W
- ⑬ S 84°33'13" W - 95.38'
- ⑭ Arc = 243.80° - Radius = 557.52'
Chord = 241.87° - N 82°54'54" W
- ⑮ N 19°35'55" E - 5.00'
- ⑯ Arc = 95.78° - Radius = 552.52'
Chord = 95.66° - N 65°25'15" W
- ⑰ S 29°31'40" W - 5.00'

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
146+25 TO 148+85	256	2 - 4A
154+79 TO 159+87	536	2 - TERM. SECT. NO. 1
160+14 TO 161+00	98	1 - TERM. SECT. NO. 1

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
149+00 TO 149+33	2' F.B. SURF.	ECB	56 S.Y.
149+33 TO 149+50	SPCL "V"	ECB	17 S.Y.
150+00 TO 151+20	SPCL. "V"	ECB	185 S.Y.
151+59 TO 153+00	SPCL. "V"	ECB	217 S.Y.
153+00 TO 154+42	NORMAL	ECB	219 S.Y.
154+83 TO 157+44	2' F.B. SURF.	CL3	189 TONS

ECB - EROSION CONTROL BLANKET
CL3 - CHANNEL LINING CLASS III

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
149+75	17	RES.	-	-	-	26	111	111
151+39	15	RES.	15' - 39'	8	18	26	-	111
154+68	12	RES.	15' - 44'	6	15	20	-	85
160+00	12	RES.	-	11	27	38	-	164

REMOVE PAVEMENT
LT. STA. 151+51 TO LT. STA. 151+91
REMOVE 8 SQ. YD.

DITCH CONSTRUCTION - RIGHT				
STATION		SIZE-SHAPE TYPE	LINING	
			TYPE	QUANTITY
146+00	TO 146+47	2' F.B. SURF.	ECB	102 S.Y.
154+85	TO 156+78	2' F.B. SURF.	ECB	137 S.Y.
156+78	TO 157+82	2' F.B. SURF.	ECB	75 S.Y.
158+50	TO 159+79	SPCL. "V"	ECB	274 S.Y.
160+21	TO 160+50	SPCL. "V"	ECB	45 S.Y.
160+50	TO 161+00	2' F.B. SURF.	ECB	77 S.Y.

ENTRANCE CONSTRUCTION - RIGHT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
148+81	12	RES.	-	6	14	20	-	85
154+67	12	RES.	-	7	17	24	-	105
158+15	12	RES.	-	12	28	39	-	171
160+00	12	RES.	15" - 41'	9	22	31	-	135

ECB - EROSION CONTROL BLANKET

DIVERSION

KY 1159
DIVERSION #4

REMOVE PAVEMENT	
RT. STA. 147+05 TO RT. STA. 147+72, REMOVE 22 SQ. YD.	
RT. STA. 154+06 TO RT. STA. 154+50, REMOVE 61 SQ. YD.	
RT. STA. 154+77 TO RT. STA. 156+63, REMOVE 477 SQ. YD.	
RT. STA. 156+68 TO RT. STA. 158+08, REMOVE 320 SQ. YD.	

END CONSTRUCTION
STA. 51+08.25

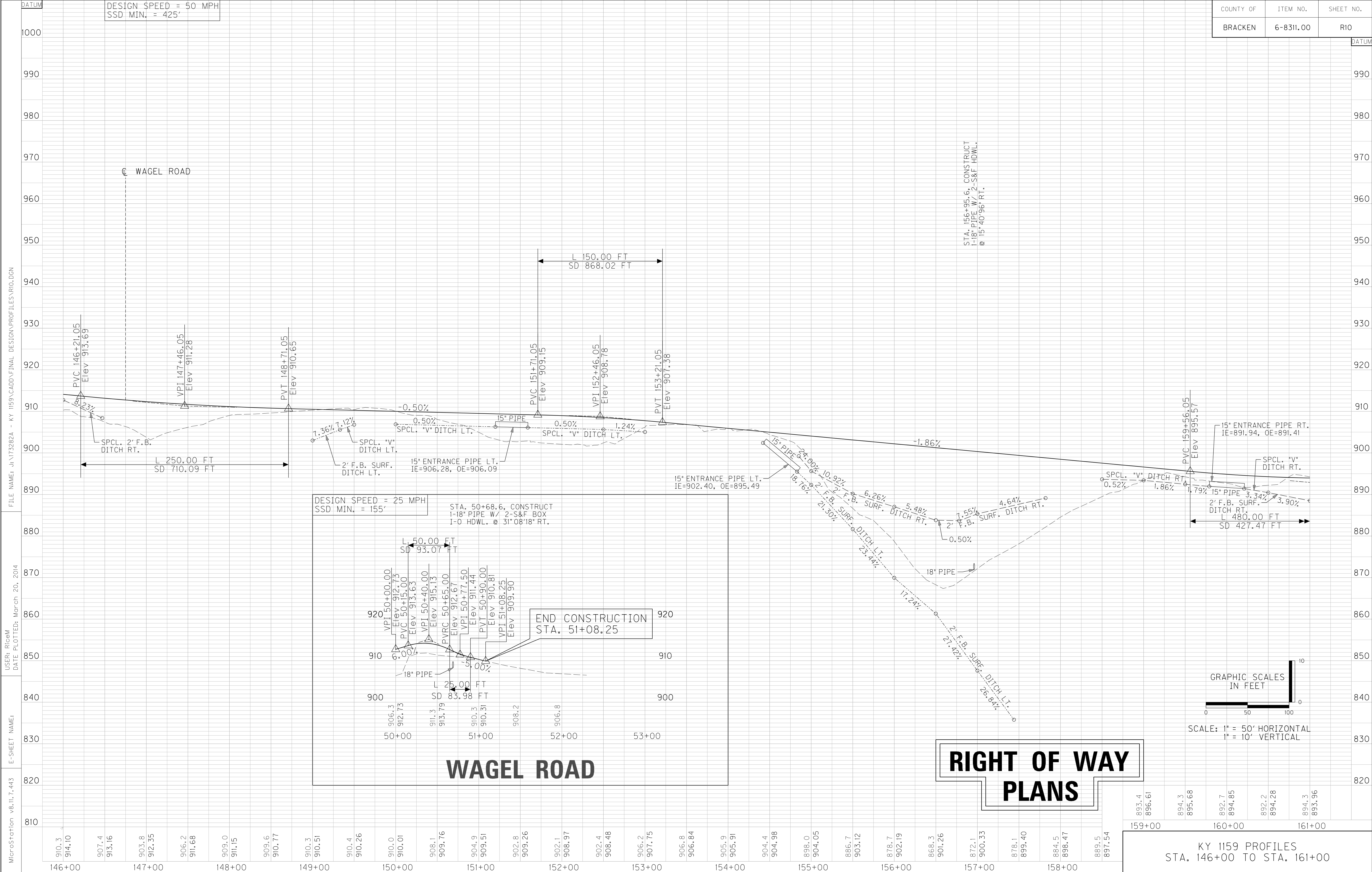
DIVERSION #5

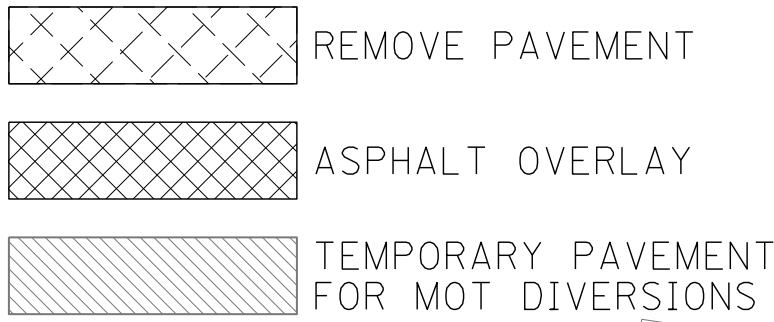
STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
150+35 TO 154+51	425	1 - 4A, 1 - TERM. SECT. NO. 1
154+83 TO 158+01	334	2 - TERM. SECT. NO. 1

RIGHT OF WAY PLANS

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 146+00 TO STA. 161+00

SCALE: 1"=50'





STEEL "W" BEAM GUARDRAIL - LEFT				
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)		
161+00 TO 161+41	54	1- TERM. SECT. NO. 1		
173+80 TO 176+00	220	1- 4A		

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	15" SLOTTED DRAIN PIPE (FT)	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
161+56	17	RES.	-	-	8	19	27	-
162+28	15	RES.	15" - 36'	-	6	15	21	-
167+16	12	RES.	15" - 24'	12	6	15	20	-
167+76	12	RES.	15" - 24'	12	6	14	20	-
171+00	12	RES.	15" - 37'	-	6	14	19	-

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
161+75 TO 162+00	NORMAL	ECB	43 S.Y.
162+00 TO 162+11	SPCL. "V"	ECB	19 S.Y.
162+46 TO 163+50	SPCL. "V"	ECB	160 S.Y.
163+50 TO 164+09	SPCL. 2' F.B.	ECB	154 S.Y.
164+74 TO 165+00	SPCL. 2' F.B.	TRMI	46 S.Y.
165+00 TO 165+75	SPCL. 2' F.B.	ECB	44 S.Y.
165+75 TO 166+97	SPCL. "V"	ECB	255 S.Y.
167+33 TO 167+59	SPCL. "V"	ECB	33 S.Y.
167+95 TO 169+00	SPCL. "V"	ECB	105 S.Y.
169+00 TO 170+50	NORMAL	ECB	295 S.Y.
170+50 TO 170+82	SPCL. "V"	ECB	83 S.Y.
171+18 TO 172+00	SPCL. "V"	ECB	126 S.Y.
172+00 TO 172+08	NORMAL	ECB	12 S.Y.
172+08 TO 172+75	SPCL. "V"	ECB	104 S.Y.
172+75 TO 173+00	SPCL. 2' F.B.	ECB	39 S.Y.
173+00 TO 173+35	SPCL. 2' F.B.	CL3	25 TONS
173+35 TO 175+78	2' F.B. SURF.	CL3	180 TONS

DITCH CONSTRUCTION - ANDERSON LANE - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
47+75 TO 48+75	NORMAL	ECB	133 S.Y.
48+75 TO 49+55	SPCL. 2' F.B.	ECB	115 S.Y.

DITCH CONSTRUCTION - ANDERSON LANE - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
47+32 TO 48+75	NORMAL	ECB	174 S.Y.
48+75 TO 49+55	SPCL. 2' F.B.	ECB	109 S.Y.

ECB - EROSION CONTROL BLANKET
TRMI - TURF REINFORCEMENT MAT I
CL3 - CHANNEL LINING CLASS III

ERIC R.FEGAN ENTERPRISES,LLC.
TERRY S.BURTON,JR.

KY 1159

DIVERSION #9

END CONSTRUCTION STA. 52+49.47

JOANN CAMPBELL
MICHAEL JAY CAMPBELL

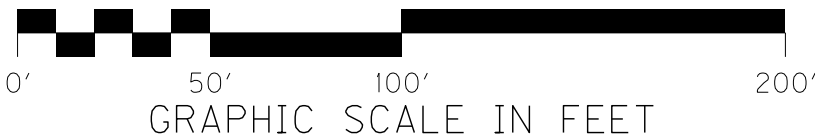
REMOVE PAVEMENT
RT. STA. 171+89 TO RT. STA. 172+56,
REMOVE 156 SQ. YD.
RT. STA. 175+88 TO RT. STA. 176+00,
REMOVE 22 SQ. YD.

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
161+00 TO 161+50	2' F.B. SURF.	CL2	23 TONS
161+50 TO 162+84	2' F.B. SURF.	CL3	98 TONS
162+84 TO 163+20	2' F.B. SURF.	TRMI	40 S.Y.
169+95 TO 171+50	2' F.B. SURF.	CL2	111 TONS
171+50 TO 172+50	SPCL. "V"	ECB	170 S.Y.
173+00 TO 173+50	SPCL. 2' F.B.	ECB	80 S.Y.
173+50 TO 174+00	SPCL. 2' F.B.	CL2	61 TONS
174+00 TO 175+00	2' F.B. SURF.	CL2	46 TONS
175+00 TO 175+17	2' F.B. SURF.	ECB	12 S.Y.
175+17 TO 175+50	2' F.B. SURF.	CL2	8 TONS
175+50 TO 176+00	2' F.B. SURF.	CL3	36 TONS

ECB - EROSION CONTROL BLANKET
TRMI - TURF REINFORCEMENT MAT I
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 161+00 TO STA. 176+00

SCALE: 1"=50'



STEEL "W" BEAM GUARDRAIL - RIGHT			
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)	
161+30 TO 165+60	428	2 - 4A	
166+65 TO 171+10	454	1- TERM. SECT. NO. 1, 1- 4A	
173+75 TO 176+00	225	1- 4A	
175+96	13	2 - TERM. SECT. NO. 1	

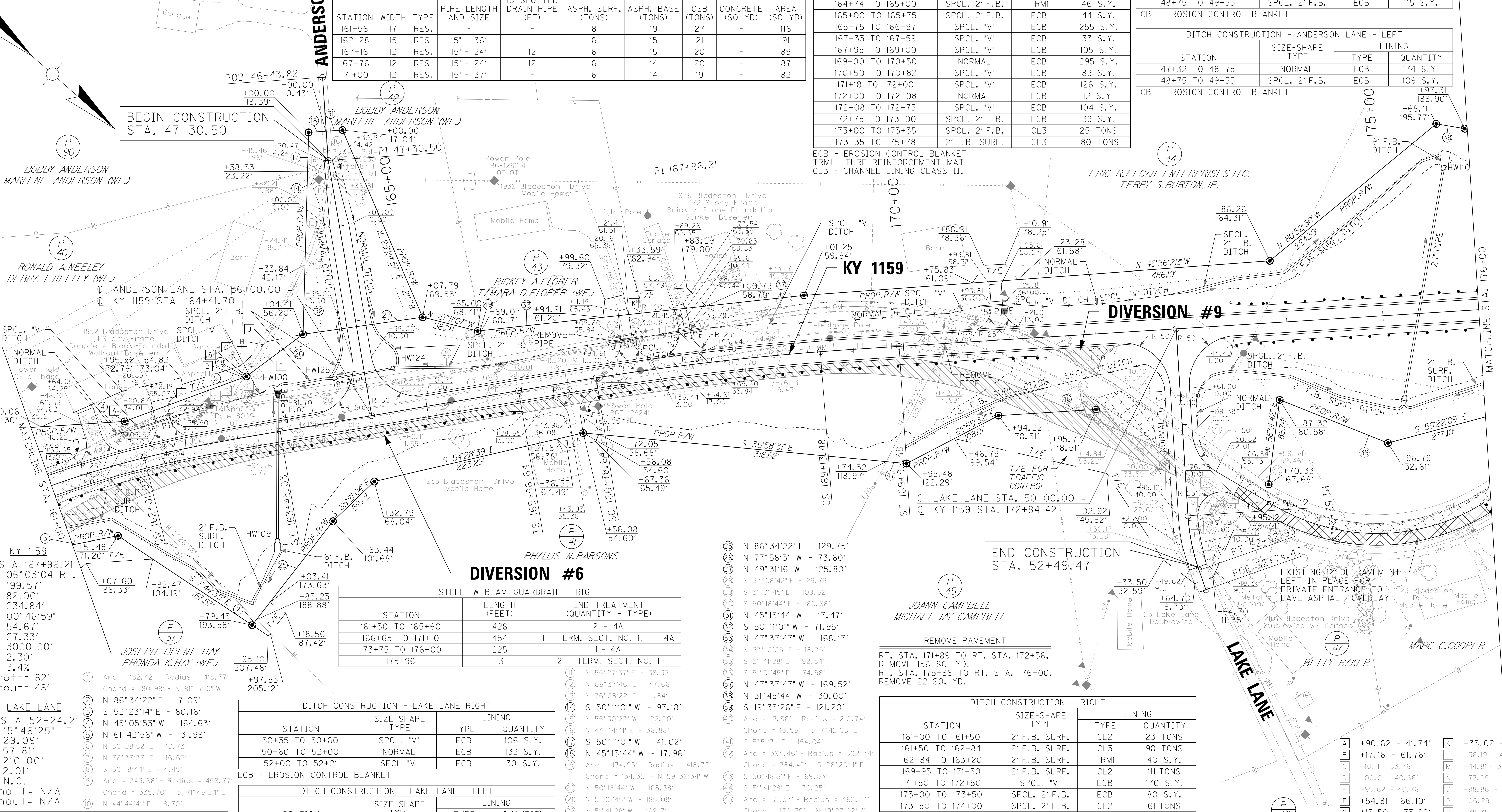
DITCH CONSTRUCTION - LAKE LANE RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
50+35 TO 50+60	SPCL. "V"	ECB	106 S.Y.
50+60 TO 52+00	NORMAL	ECB	132 S.Y.
52+00 TO 52+21	SPCL "V"	ECB	30 S.Y.

DITCH CONSTRUCTION - LAKE LANE - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
50+78 TO 51+35	NORMAL	ECB	91 S.Y.

ENTRANCE CONSTRUCTION - RIGHT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
166+50	12	RES.	-	5	13	18	78

- 25 N 86°34'22" E - 129.75'
- 26 N 77°58'31" W - 73.60'
- 27 N 49°31'16" W - 125.80'
- 28 N 37°08'42" E - 29.79'
- 29 S 51°01'45" E - 109.62'
- 30 S 50°18'44" E - 160.68'
- 31 N 45°15'44" W - 17.47'
- 32 S 50°11'01" W - 71.95'
- 33 N 47°37'47" W - 168.17'
- 34 N 37°10'05" E - 18.75'
- 35 S 51°41'28" E - 92.54'
- 36 S 51°01'45" E - 74.98'
- 37 N 47°37'47" W - 169.52'
- 38 N 31°45'44" W - 30.00'
- 39 S 19°35'26" E - 121.20'
- 40 Arc = 13.56' - Radius = 210.74'
- 41 Chord = 13.56' - S 7°42'08" E
- 42 Arc = 394.46' - Radius = 502.74'
- 43 Chord = 384.42' - S 28°20'11" E
- 44 S 50°48'51" E - 69.03'
- 45 S 51°41'28" E - 70.25'
- 46 Arc = 171.37' - Radius = 462.74'
- 47 Chord = 170.39' - N 19°27'02" W
- 48 S 45°00'42" E - 101.55'
- 49 S 35°58'31" E - 21.12'
- 50 N 61°42'56" W - 2.92'
- 51 N 47°37'47" W - 4.08'

- 11 N 55°27'37" E - 38.33'
- 12 N 66°37'46" E - 47.66'
- 13 N 76°08'22" E - 11.84'
- 14 S 50°11'01" W - 97.18'
- 15 N 55°30'27" W - 22.20'
- 16 N 44°44'41" E - 36.88'
- 17 S 50°11'01" W - 41.02'
- 18 N 45°15'44" W - 17.96'
- 19 Arc = 134.93' - Radius = 418.77'
- 20 Chord = 134.35' - N 59°32'34" W
- 21 N 50°18'44" W - 165.38'
- 22 N 51°01'45" W - 185.08'
- 23 N 51°41'28" W - 162.71'
- 24 N 50°48'51" W - 68.73'
- 25 Arc = 167.62' - Radius = 462.74'
- 26 Chord = 166.70' - N 40°26'13" W



RIGHT OF WAY
PLANS

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\RII00PL.DGN

USER: RiceM
DATE PLOTTED: March 20, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

REMOVE PAVEMENT
TEMPORARY PAVEMENT FOR MOT DIVERSIONS

DITCH CONSTRUCTION - BADGER ROAD - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
49+10 TO 49+50	NORMAL	ECB	64 S.Y.
49+50 TO 49+70	SPCL. "V"	ECB	27 S.Y.

ECB - EROSION CONTROL BLANKET

DITCH CONSTRUCTION - BADGER ROAD - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
48+27 TO 48+61	NORMAL	ECB	64 S.Y.
48+61 TO 49+50	SPCL. "V"	ECB	27 S.Y.

ECB - EROSION CONTROL BLANKET

ENTRANCE CONSTRUCTION - LEFT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
178+97	12	RES.	-	6	15	20	-
183+34	12	RES.	15" - 41'	8	19	26	-
187+71	12	RES.	-	6	15	20	-

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
176+00 TO 178+30	230	1 - 4A
184+60 TO 187+00	240	2 - 4A
190+75 TO 191+00	25	1 - 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
179+60 TO 180+50	NORMAL	ECB	153 S.Y.
181+07 TO 183+15	SPCL. "V"	ECB	331 S.Y.
183+54 TO 184+00	SPCL. 2' F.B.	ECB	81 S.Y.
184+00 TO 184+50	SPCL. 2' F.B.	ECB	96 S.Y.
188+00 TO 189+75	SPCL. "V"	ECB	303 S.Y.
189+75 TO 190+50	SPCL. 2' F.B.	ECB	144 S.Y.

ECB - EROSION CONTROL BLANKET

BEGIN CONSTRUCTION STA. 48+27.01

DIVERSION #8
KY 1159

DIVERSION #7

RIGHT OF WAY
PLANS

REMOVE PAVEMENT
RT. STA. 176+00 TO RT. STA. 180+09,
REMOVE 1088 SQ. YD.
RT. STA. 180+22 TO RT. STA. 181+30,
REMOVE 63 SQ. YD.
RT. STA. 182+85 TO RT. STA. 183+45,
REMOVE 17 SQ. YD.
RT. STA. 184+56 TO RT. STA. 187+00,
REMOVE 322 SQ. YD.
RT. STA. 187+77 TO RT. STA. 190+05,
REMOVE 293 SQ. YD.
RT. STA. 190+17 TO RT. STA. 191+00,
REMOVE 233 SQ. YD.

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
176+00 TO 177+80	180	1 - 4A
190+96 TO 191+00	4	1 - 4A

ENTRANCE CONSTRUCTION - RIGHT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
180+15	12	RES.	15" - 34'	-	6	15	20
184+48	16	RES.	-	-	7	16	22
187+71	12	RES.	-	-	5	13	18
190+11	12	RES.	15" - 24'	12	7	17	24

- N 43°57'11" W - 3.35'
- N 36°50'32" E - 119.49'
- Arc = 57.40' - Radius = 516.04'
Chord = 57.37' - S 62°33'36" E
- N 43°55'46" E - 37.38'
- N 38°13'52" W - 73.63'
- N 69°58'38" E - 24.47'
- N 59°38'13" E - 23.36'
- Arc = 69.80' - Radius = 592.96'
Chord = 69.76' - S 47°43'58" E
- S 51°06'31" E - 72.43'
- Arc = 74.43' - Radius = 516.04'
Chord = 74.37' - S 55°14'27" E
- N 82°28'05" E - 55.54'
- N 43°57'11" W - 73.40'
- N 12°24'11" E - 14.19'
- Arc = 95.26' - Radius = 1412.40'
Chord = 95.24' - S 17°12'02" E
- S 15°15'31" E - 147.95'
- Arc = 301.18' - Radius = 592.96'
Chord = 297.95' - S 29°48'34" E
- N 21°23'15" W - 42.07'
- N 60°19'13" W - 169.74'

- Arc = 182.15' - Radius = 394.51'
Chord = 180.54' - S 23°15'09" E
- S 10°01'31" E - 39.07'
- Arc = 233.91' - Radius = 897.46'
Chord = 233.25' - S 17°29'31" E
- S 24°57'31" E - 7.15'
- Arc = 143.85' - Radius = 1412.40'
Chord = 143.79' - S 22°03'02" E

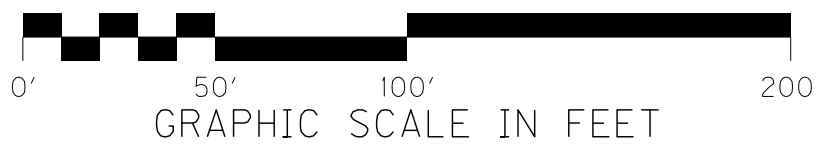
DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
176+00 TO 178+50	2' F.B. SURF.	CL2	92 TONS
178+50 TO 179+98	SPCL. 2' F.B.	CL2	183 TONS
180+32 TO 180+50	NORMAL	ECB	46 S.Y.
180+50 TO 183+34	SPCL. "V"	ECB	462 S.Y.
187+90 TO 189+24	NORMAL	ECB	228 S.Y.
189+24 TO 189+94	SPCL. "V"	ECB	115 S.Y.
190+29 TO 191+00	SPCL. 2' F.B.	ECB	134 S.Y.

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II

KY 1159
PI STA 181+17.19
Δ = 25°02'14" RT.
Ts = 294.21'
Ls = 144.00'
Lc = 292.98'
Δs = 04°07'31"
LT = 96.03'
ST = 48.02'
R = 1000.00'
E = 10.83'
e = 6.0%
Runoff = 144'
Runout = 48'

KY 1159
PI STA 191+83.19
Δ = 24°20'43" LT.
Ts = 266.33'
Ls = 144.00'
Lc = 238.41'
Δs = 04°35'01"
LT = 96.03'
ST = 48.03'
R = 900.00'
E = 7.95'
e = 6.0%
Runoff = 144'
Runout = 48'

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 176+00 TO STA. 191+00



REMOVE PAVEMENT

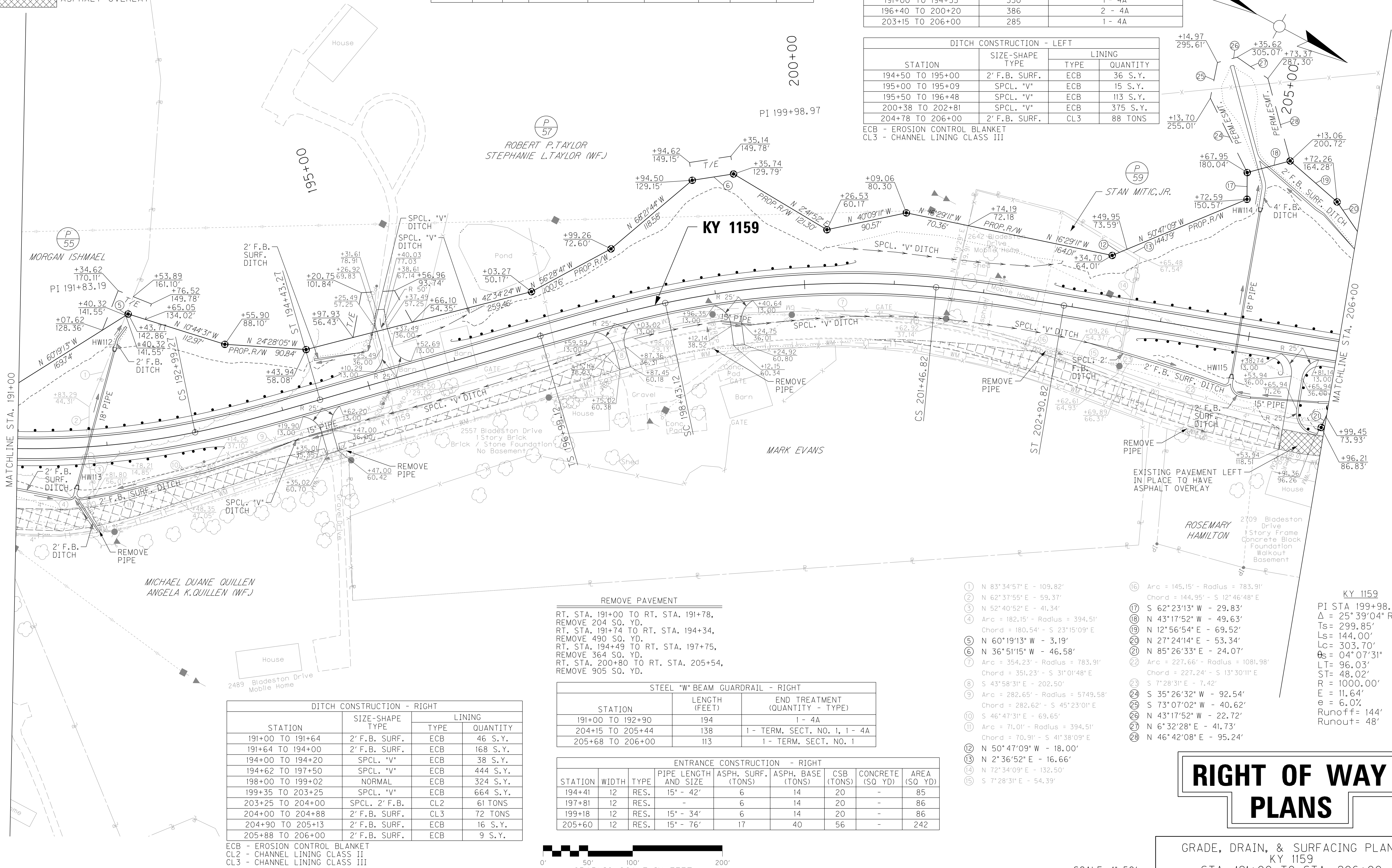
ASPHALT OVERLAY

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
195+31	12	RES.	-	7	18	25	-	107

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
191+00 TO 194+35	330	1 - 4A
196+40 TO 200+20	386	2 - 4A
203+15 TO 206+00	285	1 - 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
194+50 TO 195+00	2' F.B. SURF.	ECB	36 S.Y.
195+00 TO 195+09	SPCL. "V"	ECB	15 S.Y.
195+50 TO 196+48	SPCL. "V"	ECB	113 S.Y.
200+38 TO 202+81	SPCL. "V"	ECB	375 S.Y.
204+78 TO 206+00	2' F.B. SURF.	CL3	88 TONS

ECB - EROSION CONTROL BLANKET
CL3 - CHANNEL LINING CLASS III



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
191+00 TO 191+64	2' F.B. SURF.	ECB	46 S.Y.
191+64 TO 194+00	2' F.B. SURF.	ECB	168 S.Y.
194+00 TO 194+20	SPCL. "V"	ECB	38 S.Y.
194+62 TO 197+50	SPCL. "V"	ECB	444 S.Y.
198+00 TO 199+02	NORMAL	ECB	324 S.Y.
199+35 TO 203+25	SPCL. "V"	ECB	664 S.Y.
203+25 TO 204+00	SPCL. 2' F.B.	CL2	61 TONS
204+00 TO 204+88	2' F.B. SURF.	CL3	72 TONS
204+90 TO 205+13	2' F.B. SURF.	ECB	16 S.Y.
205+88 TO 206+00	2' F.B. SURF.	ECB	9 S.Y.

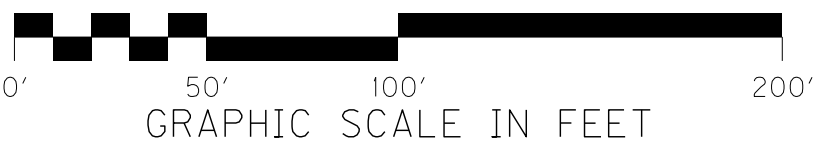
ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

REMOVE PAVEMENT

RT. STA. 191+00 TO RT. STA. 191+78,
REMOVE 204 SQ. YD.
RT. STA. 191+74 TO RT. STA. 194+34,
REMOVE 490 SQ. YD.
RT. STA. 194+49 TO RT. STA. 197+75,
REMOVE 364 SQ. YD.
RT. STA. 200+80 TO RT. STA. 205+54,
REMOVE 905 SQ. YD.

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
191+00 TO 192+90	194	1 - 4A
204+15 TO 205+44	138	1 - TERM. SECT. NO. 1, 1 - 4A
205+68 TO 206+00	113	1 - TERM. SECT. NO. 1

ENTRANCE CONSTRUCTION - RIGHT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
194+41	12	RES.	15" - 42"	6	14	20	-
197+81	12	RES.	-	6	14	20	-
199+18	12	RES.	15" - 34"	6	14	20	-
205+60	12	RES.	15" - 76"	17	40	56	-



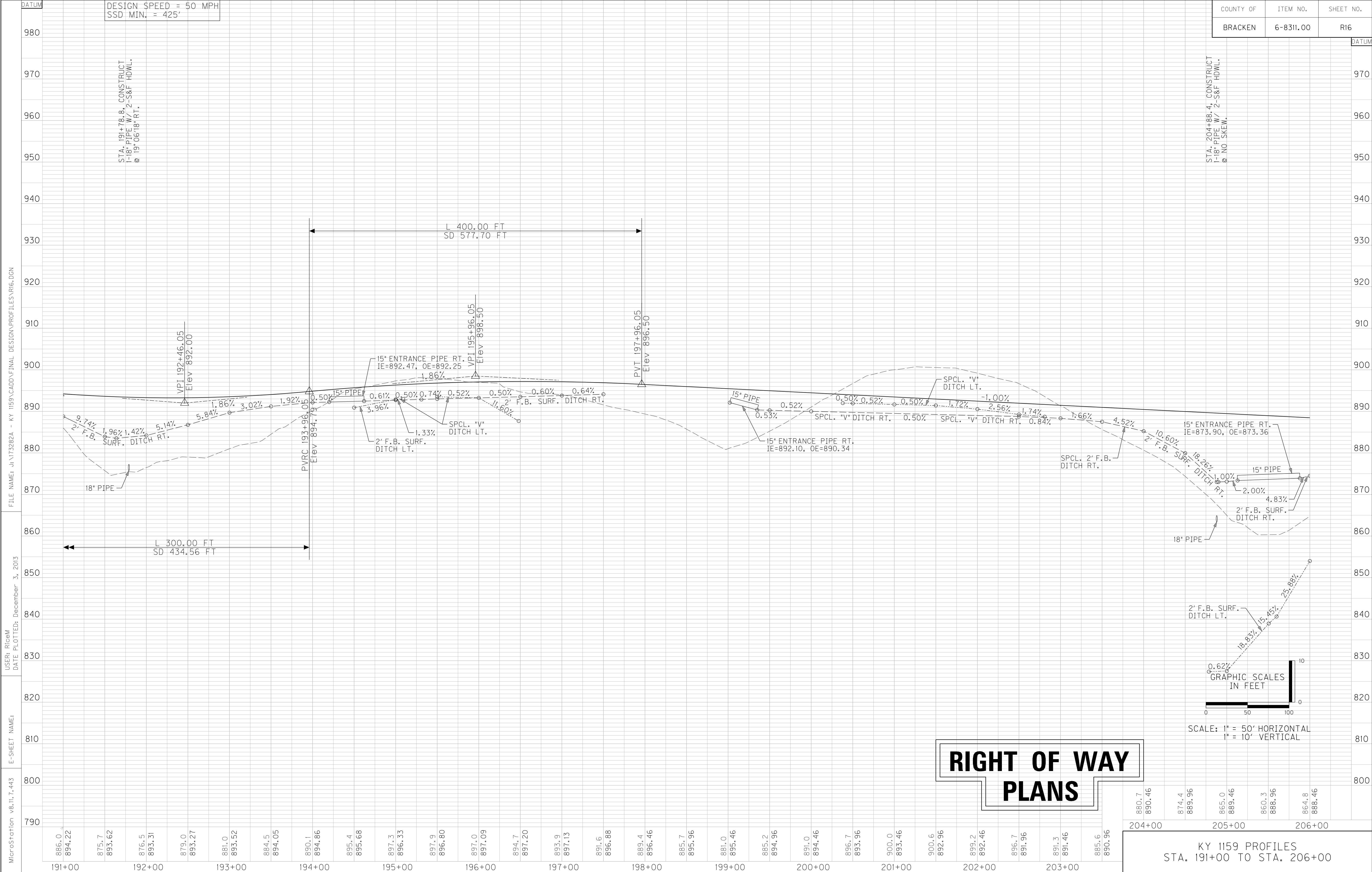
- ① N 83°34'57" E - 109.82'
- ② N 62°37'55" E - 59.37'
- ③ N 52°40'52" E - 41.34'
- ④ Arc = 182.15' - Radius = 394.51'
Chord = 180.54' - S 23°15'09" E
- ⑤ N 60°19'13" W - 3.19'
- ⑥ N 36°51'15" W - 46.58'
- ⑦ Arc = 354.23' - Radius = 783.91'
Chord = 351.23' - S 31°01'48" E
- ⑧ S 43°58'31" E - 202.50'
- ⑨ Arc = 282.65' - Radius = 5749.58'
Chord = 282.62' - S 45°23'01" E
- ⑩ S 46°47'31" E - 69.65'
- ⑪ Arc = 71.01' - Radius = 394.51'
Chord = 70.91' - S 41°38'09" E
- ⑫ N 50°47'09" W - 18.00'
- ⑬ N 2°36'52" E - 16.66'
- ⑭ N 72°34'09" E - 132.50'
- ⑮ S 7°28'31" E - 54.39'
- ⑯ Arc = 145.15' - Radius = 783.91'
Chord = 144.95' - S 12°46'48" E
- ⑰ S 62°23'13" W - 29.83'
- ⑱ N 43°17'52" W - 49.63'
- ⑲ N 12°56'54" E - 69.52'
- ⑳ N 27°24'14" E - 53.34'
- ㉑ N 85°26'33" E - 24.07'
- ㉒ Arc = 227.66' - Radius = 1081.98'
Chord = 227.24' - S 13°30'11" E
- ㉓ S 7°28'31" E - 7.42'
- ㉔ S 35°26'32" W - 92.54'
- ㉕ S 73°07'02" W - 40.62'
- ㉖ N 43°17'52" W - 22.72'
- ㉗ N 6°32'28" E - 41.73'
- ㉘ N 46°42'08" E - 95.24'

KY 1159
PI STA 199+98.97
Δ = 25°39'04" RT.
Ts = 299.85'
Ls = 144.00'
Lc = 303.70'
Bs = 04°07'31"
LT = 96.03'
ST = 48.02'
R = 1000.00'
E = 11.64'
e = 6.0'
Runoff = 144'
Runout = 48'

RIGHT OF WAY PLANS

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 191+00 TO STA. 206+00

SCALE: 1"=50'



RIGHT OF WAY PLANS

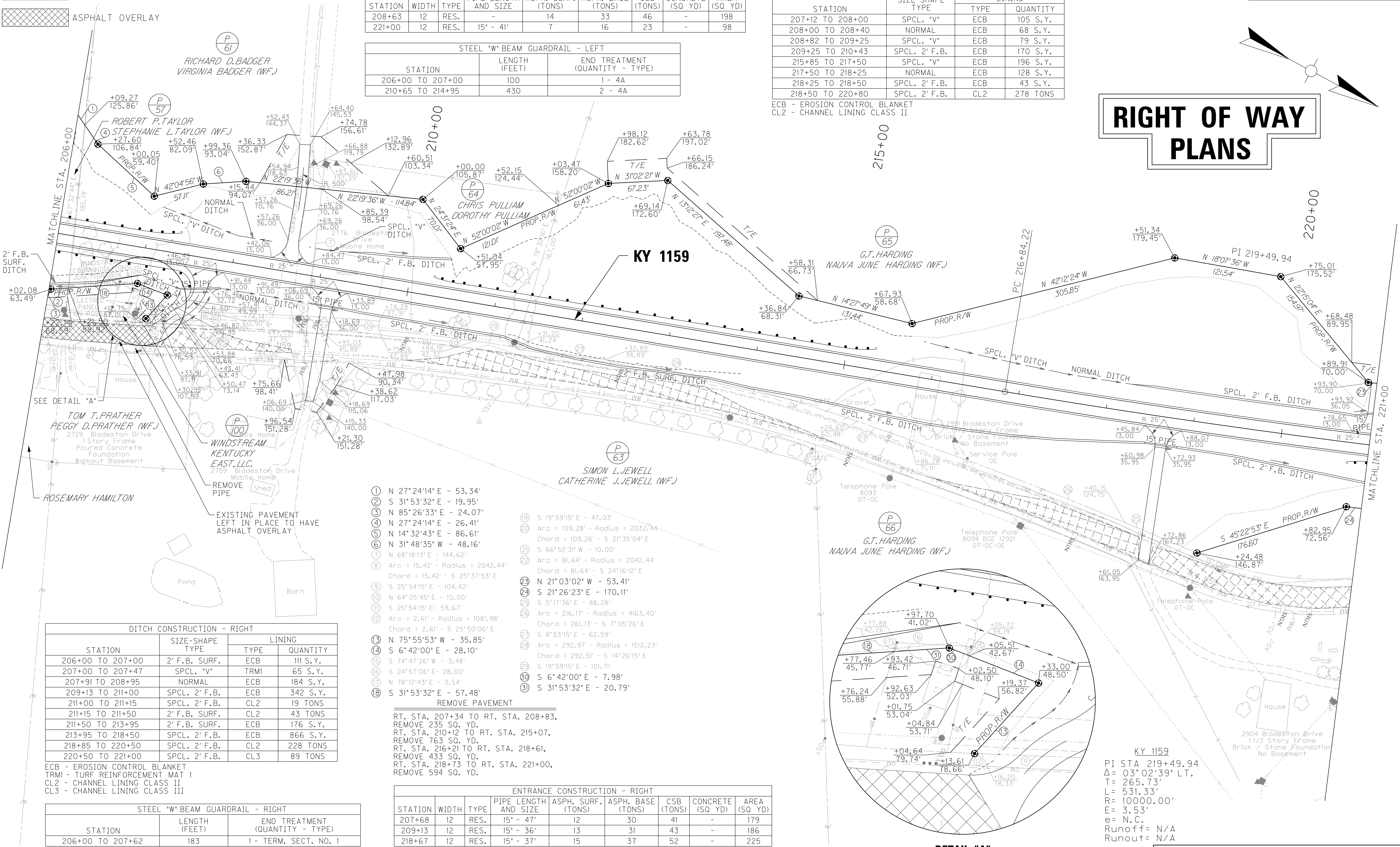
REMOVE PAVEMENT
ASPHALT OVERLAY

ENTRANCE CONSTRUCTION - LEFT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
208+63	12	RES.	-	14	33	46	-
221+00	12	RES.	15' - 41'	7	16	23	-

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
206+00 TO 207+00	100	1 - 4A
210+65 TO 214+95	430	2 - 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
207+12 TO 208+00	SPCL. "V"	ECB	105 S.Y.
208+00 TO 208+40	NORMAL	ECB	68 S.Y.
208+82 TO 209+25	SPCL. "V"	ECB	79 S.Y.
209+25 TO 210+43	SPCL. 2' F.B.	ECB	170 S.Y.
215+85 TO 217+50	SPCL. "V"	ECB	196 S.Y.
217+50 TO 218+25	NORMAL	ECB	128 S.Y.
218+25 TO 218+50	SPCL. 2' F.B.	ECB	43 S.Y.
218+50 TO 220+80	SPCL. 2' F.B.	CL2	278 TONS

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
206+00 TO 207+00	2' F.B. SURF.	ECB	III S.Y.
207+00 TO 207+47	SPCL. "V"	TRMI	65 S.Y.
207+91 TO 208+95	NORMAL	ECB	184 S.Y.
209+13 TO 211+00	SPCL. 2' F.B.	ECB	342 S.Y.
211+00 TO 211+15	SPCL. 2' F.B.	CL2	19 TONS
211+15 TO 211+50	2' F.B. SURF.	CL2	43 TONS
211+50 TO 213+95	2' F.B. SURF.	ECB	176 S.Y.
213+95 TO 218+50	SPCL. 2' F.B.	ECB	866 S.Y.
218+85 TO 220+50	SPCL. 2' F.B.	CL2	228 TONS
220+50 TO 221+00	SPCL. 2' F.B.	CL3	89 TONS

ECB - EROSION CONTROL BLANKET
TRMI - TURF REINFORCEMENT MAT I
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
206+00 TO 207+62	183	1 - TERM. SECT. NO. 1

- 1 N 27°24'14" E - 53.34'

2 S 31°53'32" E - 19.95'

3 N 85°26'33" E - 24.07'

4 N 27°24'14" E - 26.41'

5 N 14°32'43" E - 86.61'

6 N 31°48'35" W - 48.16'

7 N 68°18'13" E - 144.62'

8 Arc = 15.42' - Radius = 2042.44'

9 S 25°54'15" E - 104.42'

10 N 64°05'45" E - 10.00'

11 S 25°54'15" E - 59.67'

12 Arc = 2.61' - Radius = 1081.98'

13 N 75°55'53" W - 35.85'

14 S 6°42'00" E - 28.10'

15 S 74°47'26" W - 3.48'

16 S 24°57'06" E - 28.00'

17 N 78°12'43" E - 3.54'

18 S 31°53'32" E - 57.48'
- 19 S 19°59'15" E - 47.03'

20 Arc = 109.28' - Radius = 2032.44'

21 S 66°52'31" W - 10.00'

22 Arc = 81.64' - Radius = 2042.44'

23 N 21°03'02" W - 53.41'

24 S 21°26'23" E - 170.11'

25 S 5°17'36" E - 88.28'

26 Arc = 216.17' - Radius = 4163.40'

27 S 8°53'15" E - 62.59'

28 Arc = 292.97' - Radius = 1512.23'

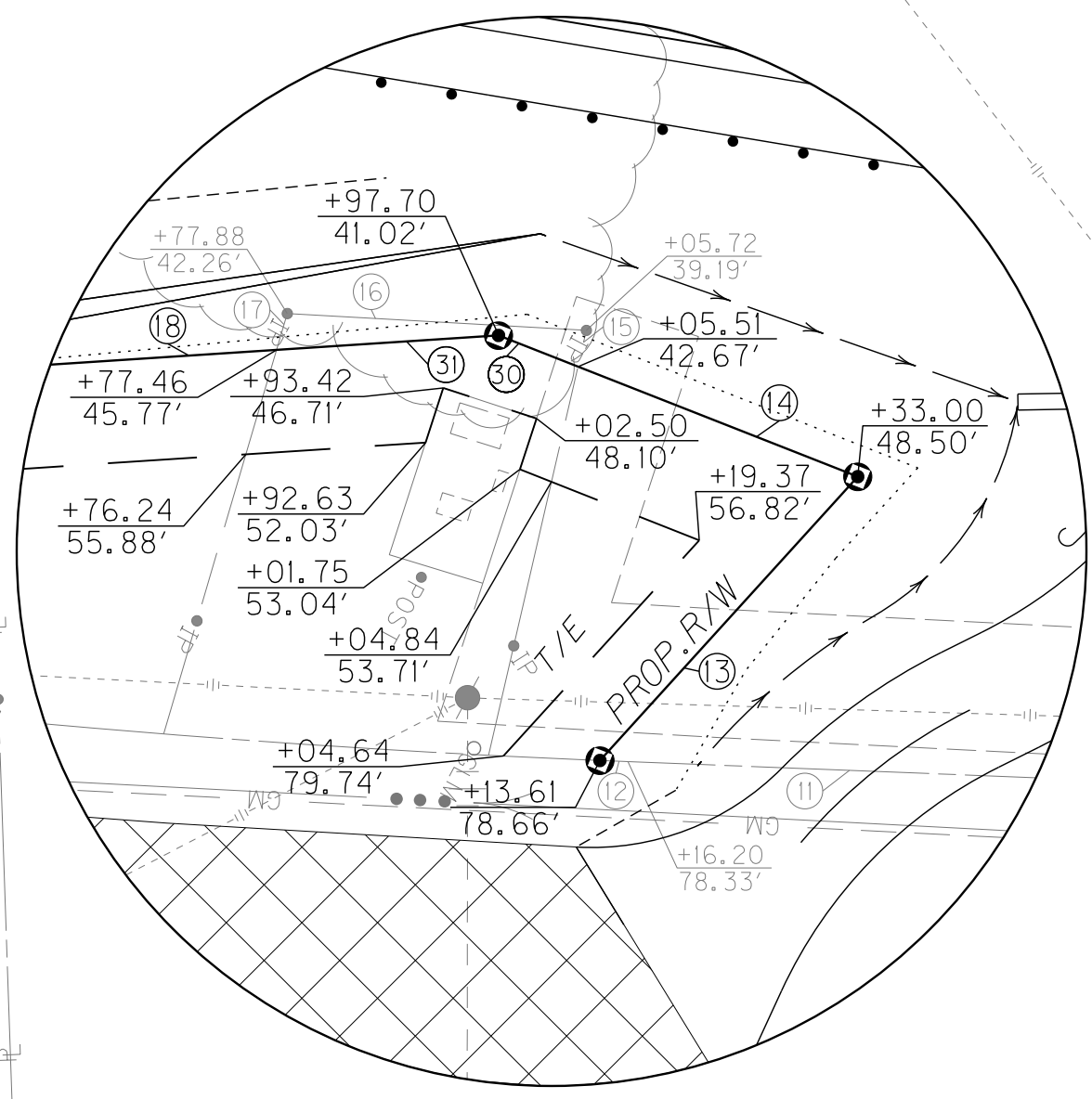
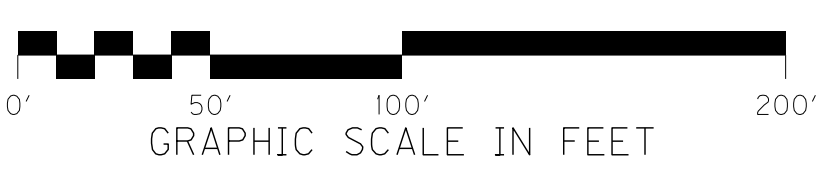
29 S 19°59'15" E - 101.71'

30 S 6°42'00" E - 7.98'

31 S 31°53'32" E - 20.79'

REMOVE PAVEMENT
RT. STA. 207+34 TO RT. STA. 208+83,
REMOVE 235 SQ. YD.
RT. STA. 210+12 TO RT. STA. 215+07,
REMOVE 763 SQ. YD.
RT. STA. 216+21 TO RT. STA. 218+61,
REMOVE 433 SQ. YD.
RT. STA. 218+73 TO RT. STA. 221+00,
REMOVE 594 SQ. YD.

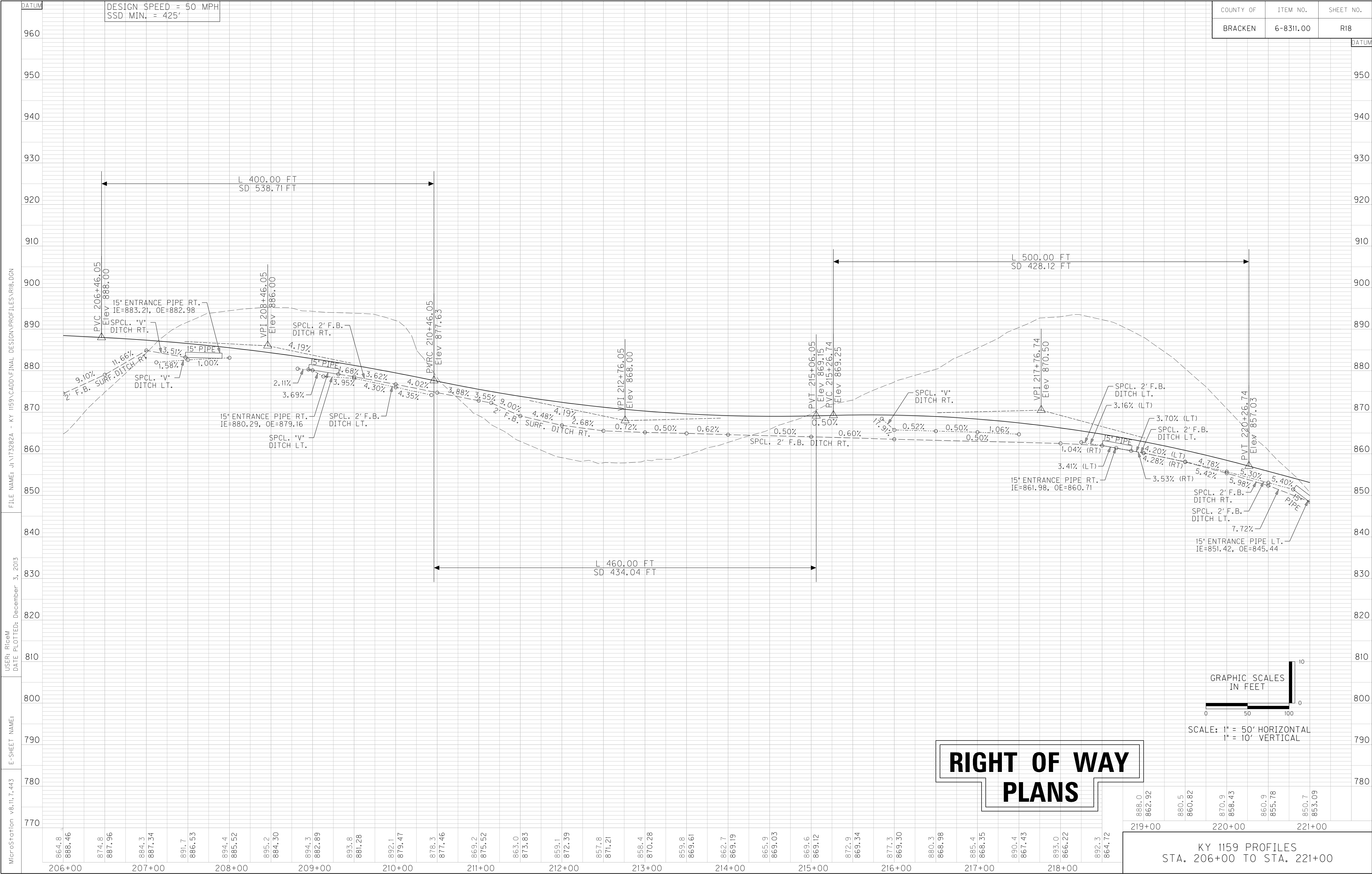
ENTRANCE CONSTRUCTION - RIGHT							
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
207+68	12	RES.	15' - 47'	12	30	41	-
209+13	12	RES.	15' - 36'	13	31	43	-
218+67	12	RES.	15' - 37'	15	37	52	-



DETAIL "A"
RIGHT OF WAY INFO.
NOT TO SCALE

KY 1159
PI STA 219+49.94
Δ= 03°02'39" LT.
T= 265.73'
L= 531.33'
R= 10000.00'
E= 3.53'
e= N.C.
Runoff= N/A
Runout= N/A

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 206+00 TO STA. 221+00



15" ENTRANCE PIPE RT.
IE=883.21, OE=882.98

SPCL. "V"
DITCH RT.

15" PIPE

11.66%

9.10%

2' F.B. SURF. DITCH RT.

3.51%

1.58%

1.00%

SPCL. "V"
DITCH LT.

4.19%

15" ENTRANCE PIPE RT.
IE=880.29, OE=879.16

SPCL. "V"
DITCH LT.

2.11%

3.69%

15" PIPE

1.68%

3.95%

3.62%

4.30%

4.02%

4.35%

2' F.B. SURF. DITCH RT.

3.88%

3.55%

9.00%

4.48%

4.19%

2.68%

0.72%

0.50%

0.62%

0.50%

0.60%

SPCL. "V"
DITCH RT.

0.50%

1.9%

0.52%

0.50%

1.06%

15" ENTRANCE PIPE RT.
IE=861.98, OE=860.71

SPCL. "V"
DITCH LT.

3.41% (LT)

1.04% (RT)

4.20% (LT)

4.28% (RT)

5.42%

5.98%

5.30%

5.40%

15" PIPE

7.72%

15" ENTRANCE PIPE LT.
IE=851.42, OE=845.44

SPCL. 2' F.B.
DITCH RT.

SPCL. 2' F.B.
DITCH LT.

3.70% (LT)

3.16% (LT)

3.53% (RT)

L 400.00 FT
SD 538.71 FT

L 500.00 FT
SD 428.12 FT

L 460.00 FT
SD 434.04 FT

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\R0200PL.DGN
USER: RiceM
DATE PLOTTED: March 21, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

- REMOVE PAVEMENT
- ASPHALT MILLING AND OVERLAY
- FULL DEPTH PAVEMENT
- ASPHALT OVERLAY

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
250+79	20	RES.	-	16	37	52	-	226

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
236+27 TO 243+57	807	2 - 4A
246+90 TO 247+65	74	2 - 4A
250+90 TO 251+00	32	1 - TERM. SECT. NO. 1

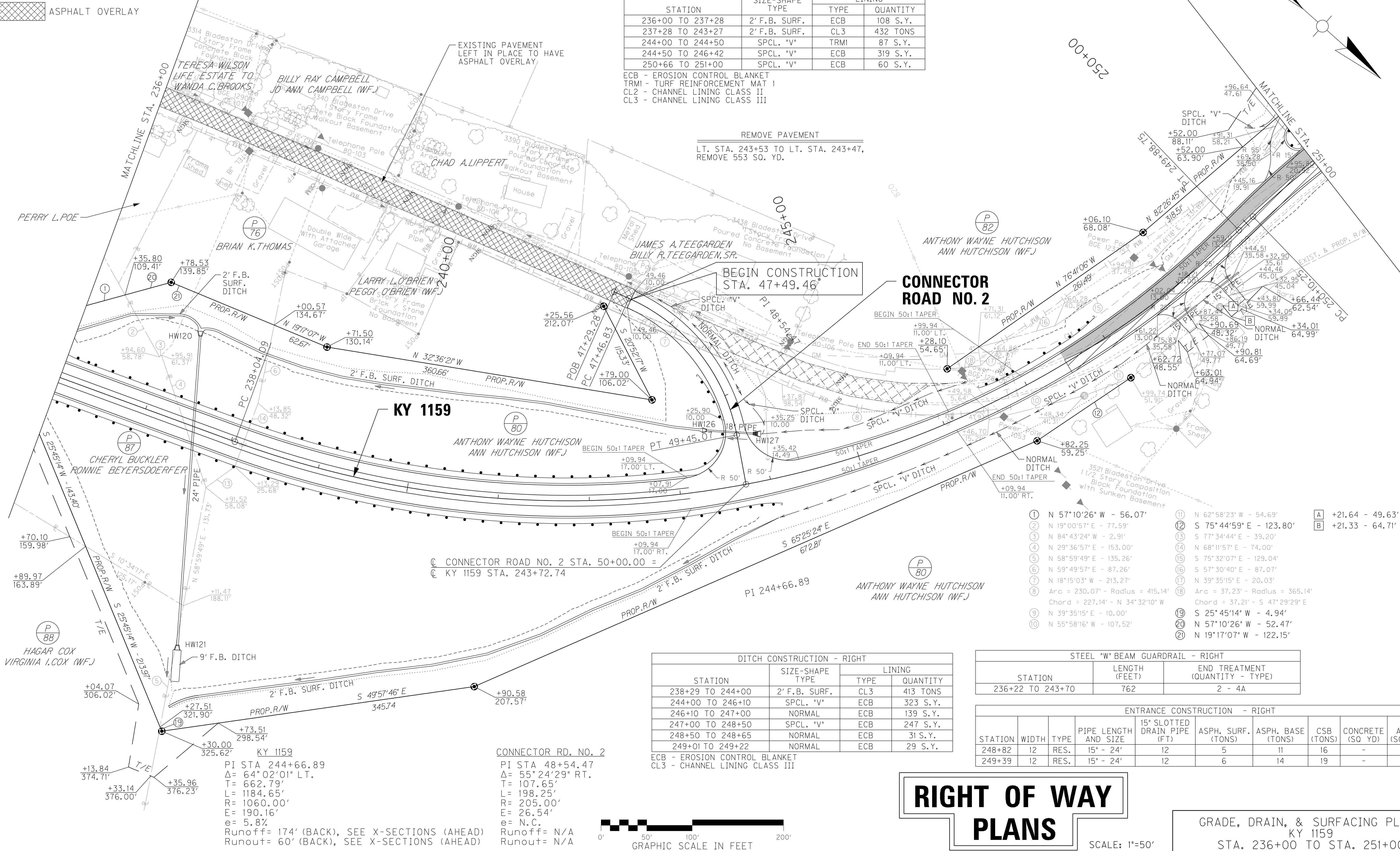
DITCH CONSTRUCTION - CONNECTOR ROAD NO. 2 - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
47+60 TO 48+05	SPCL. "V"	ECB	55 S.Y.
48+05 TO 49+00	NORMAL	ECB	138 S.Y.
49+00 TO 49+50	SPCL. "V"	ECB	69 S.Y.

ECB - EROSION CONTROL BLANKET

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
236+00 TO 237+28	2' F.B. SURF.	ECB	108 S.Y.
237+28 TO 243+27	2' F.B. SURF.	CL3	432 TONS
244+00 TO 244+50	SPCL. "V"	TRMI	87 S.Y.
244+50 TO 246+42	SPCL. "V"	ECB	319 S.Y.
250+66 TO 251+00	SPCL. "V"	ECB	60 S.Y.

ECB - EROSION CONTROL BLANKET
TRMI - TURF REINFORCEMENT MAT I
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

REMOVE PAVEMENT
LT. STA. 243+53 TO LT. STA. 243+47,
REMOVE 553 SQ. YD.



DITCH CONSTRUCTION - RIGHT				
STATION	SIZE-SHAPE TYPE	LINING		
		TYPE	QUANTITY	
238+29 TO 244+00	2' F.B. SURF.	CL3	413 TONS	
244+00 TO 246+10	SPCL. "V"	ECB	323 S.Y.	
246+10 TO 247+00	NORMAL	ECB	139 S.Y.	
247+00 TO 248+50	SPCL. "V"	ECB	247 S.Y.	
248+50 TO 248+65	NORMAL	ECB	31 S.Y.	
249+01 TO 249+22	NORMAL	ECB	29 S.Y.	

ECB - EROSION CONTROL BLANKET
CL3 - CHANNEL LINING CLASS III

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
236+22 TO 243+70	762	2 - 4A

ENTRANCE CONSTRUCTION - RIGHT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	15' SLOTTED DRAIN PIPE (FT)	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)
248+82	12	RES.	15" - 24"	12	5	11	16	68
249+39	12	RES.	15" - 24"	12	6	14	19	82

RIGHT OF WAY
PLANS

SCALE: 1"=50'

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 236+00 TO STA. 251+00

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\RO2300PL.DGN
USER: RiceM
DATE PLOTTED: March 13, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

ASPHALT MILLING AND OVERLAY

FULL DEPTH PAVEMENT

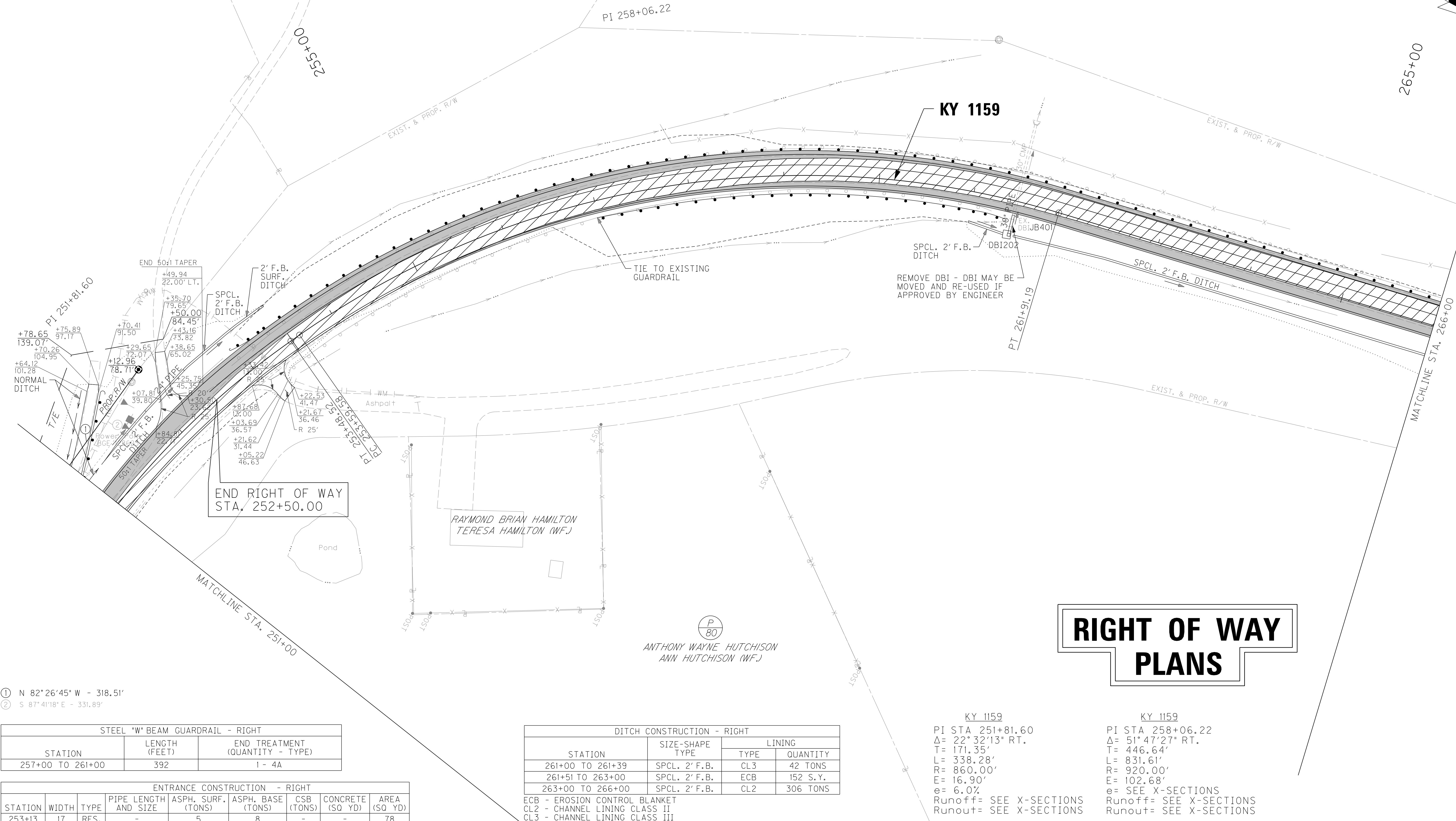
ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
252+16	16	RES.	24" - 59'	8	18	25	-	109

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
251+00 TO 251+71	88	1- TERM. SECT. NO. 1
253+30 TO 266+00	1303	1- 4A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
251+00 TO 251+25	NORMAL	ECB	39 S.Y.
251+25 TO 251+89	SPCL. 2' F.B.	ECB	108 S.Y.
252+45 TO 253+00	SPCL. 2' F.B.	ECB	92 S.Y.
253+00 TO 253+46	2' F.B. SURF.	CL3	46 TONS

ECB - EROSION CONTROL BLANKET
CL3 - CHANNEL LINING CLASS III

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R23



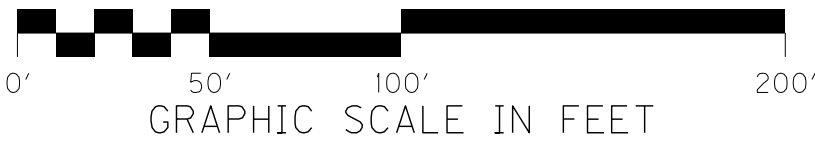
- ① N 82°26'45" W - 318.51'
② S 87°41'18" E - 331.89'

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
257+00 TO 261+00	392	1- 4A

ENTRANCE CONSTRUCTION - RIGHT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
253+13	17	RES.	-	5	8	-	-	78

DITCH CONSTRUCTION - RIGHT				
STATION	SIZE-SHAPE TYPE	LINING		
		TYPE	QUANTITY	
261+00 TO 261+39	SPCL. 2' F.B.	CL3	42 TONS	
261+51 TO 263+00	SPCL. 2' F.B.	ECB	152 S.Y.	
263+00 TO 266+00	SPCL. 2' F.B.	CL2	306 TONS	

ECB - EROSION CONTROL BLANKET
CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III



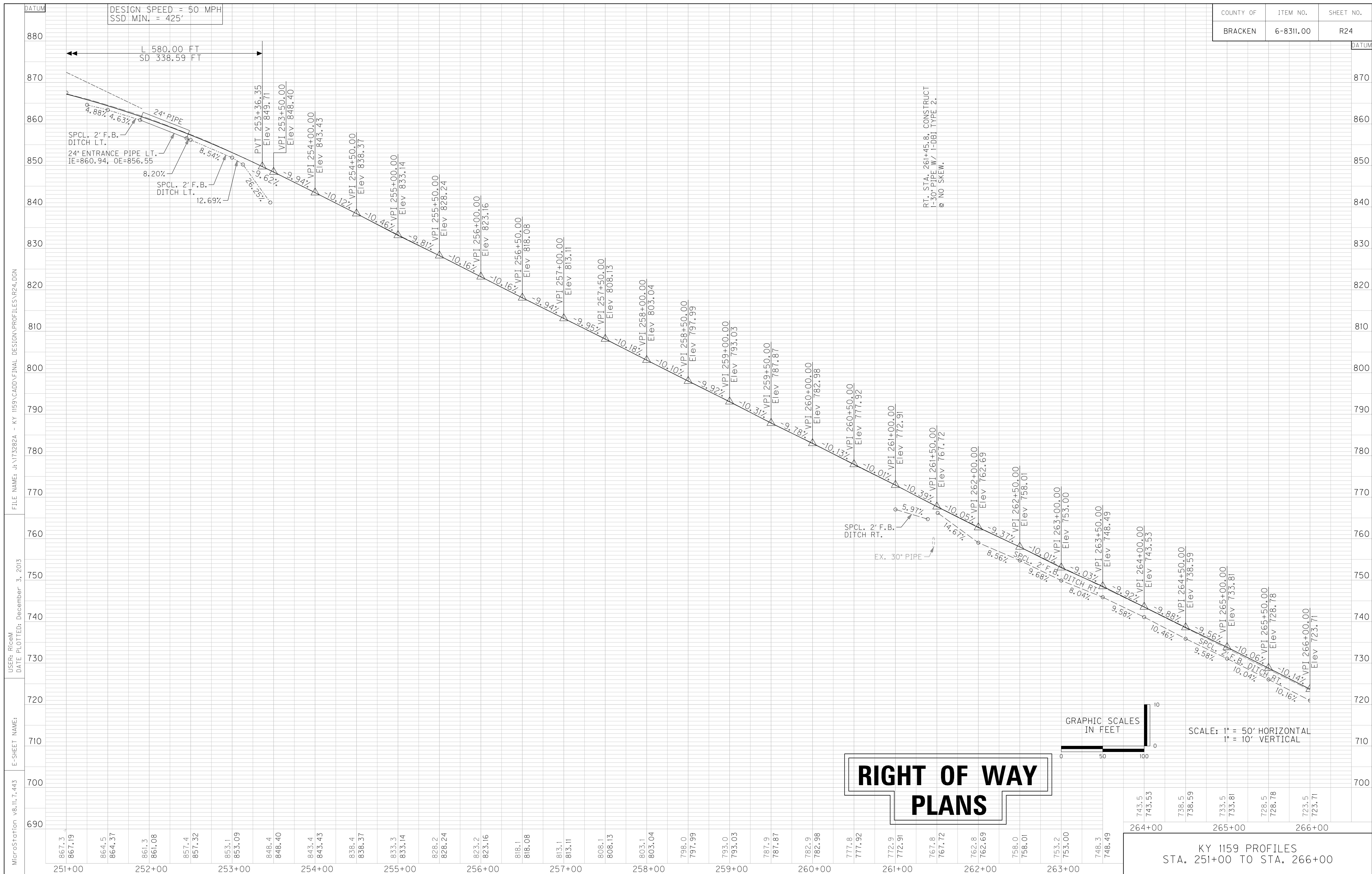
RIGHT OF WAY PLANS

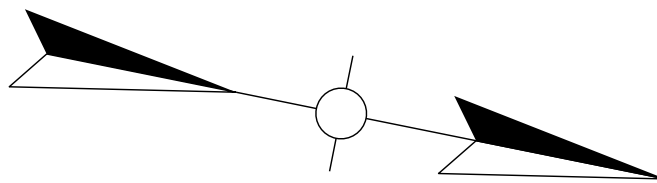
KY 1159
PI STA 251+81.60
Δ= 22°32'13" RT.
T= 171.35'
L= 338.28'
R= 860.00'
E= 16.90'
e= 6.0%
Runoff= SEE X-SECTIONS
Runout= SEE X-SECTIONS

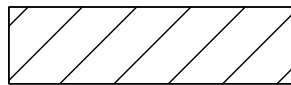

KY 1159
PI STA 258+06.22
Δ= 51°47'27" RT.
T= 446.64'
L= 831.61'
R= 920.00'
E= 102.68'
e= SEE X-SECTIONS
Runoff= SEE X-SECTIONS
Runout= SEE X-SECTIONS

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 251+00 TO STA. 266+00

SCALE: 1"=50'

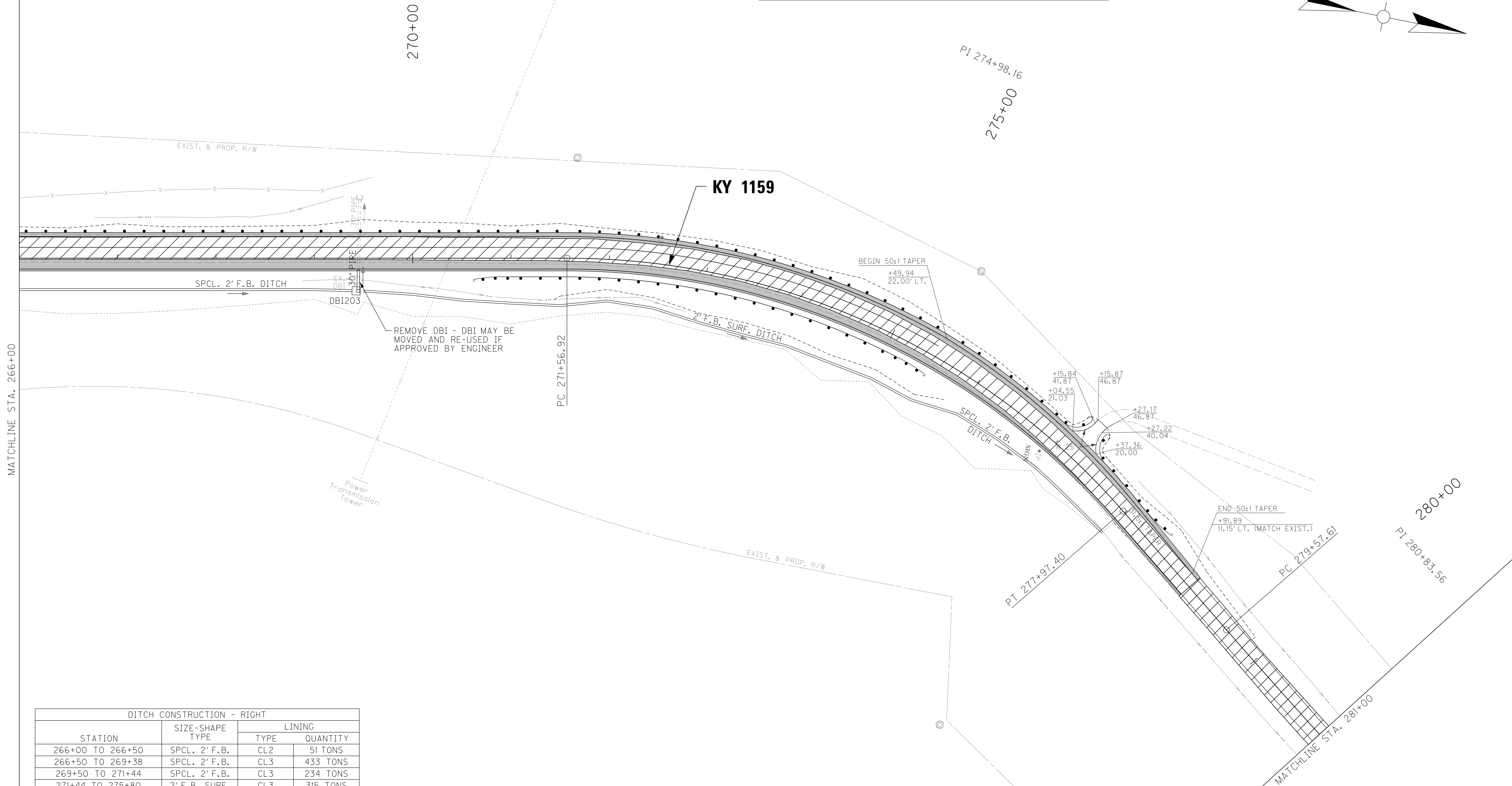




 ASPHALT MILLING AND OVERLAY
 FULL DEPTH PAVEMENT

ENTRANCE CONSTRUCTION - LEFT								
STATION	WIDTH	TYPE	PIPE LENGTH AND SIZE	ASPH. SURF. (TONS)	ASPH. BASE (TONS)	CSB (TONS)	CONCRETE (SQ YD)	AREA (SQ YD)
277+22	12	RES.	-	3	8	12	-	50

STEEL "W" BEAM GUARDRAIL - LEFT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
266+00 TO 277+12	1143	1 - TERM. SECT. NO. 1
277+31 TO 278+10	92	1 - TERM. SECT. NO. 1, 1 - 4A



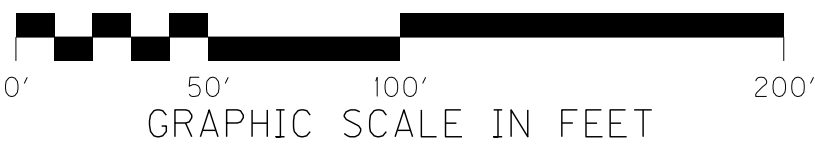
DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
266+00 TO 266+50	SPCL. 2' F.B.	CL2	51 TONS
266+50 TO 269+38	SPCL. 2' F.B.	CL3	433 TONS
269+50 TO 271+44	SPCL. 2' F.B.	CL3	234 TONS
271+44 TO 275+80	2' F.B. SURF.	CL3	315 TONS
275+80 TO 278+00	SPCL. 2' F.B.	CL3	273 TONS

CL2 - CHANNEL LINING CLASS II
CL3 - CHANNEL LINING CLASS III

STEEL "W" BEAM GUARDRAIL - RIGHT		
STATION	LENGTH (FEET)	END TREATMENT (QUANTITY - TYPE)
271+00 TO 275+15	406	2 - 4A

KY 1159
PI STA 274+98.16
Δ= 48°55'45" RT.
T= 341.24'
L= 640.48'
R= 750.00'
E= 73.98'
e= SEE X-SECTIONS
Runoff= SEE X-SECTIONS
Runout= SEE X-SECTIONS

KY 1159
PI STA 280+83.56
Δ= 02°03'42" LT.
T= 125.95'
L= 251.87'
R= 7000.00'
E= 1.13'
e= SEE X-SECTIONS
Runoff= SEE X-SECTIONS
Runout= SEE X-SECTIONS

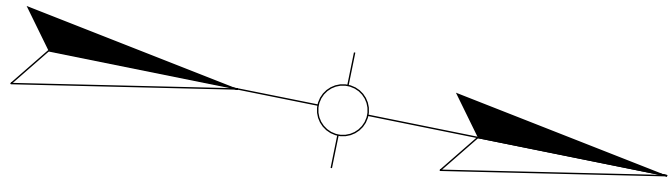


SCALE: 1"=50'

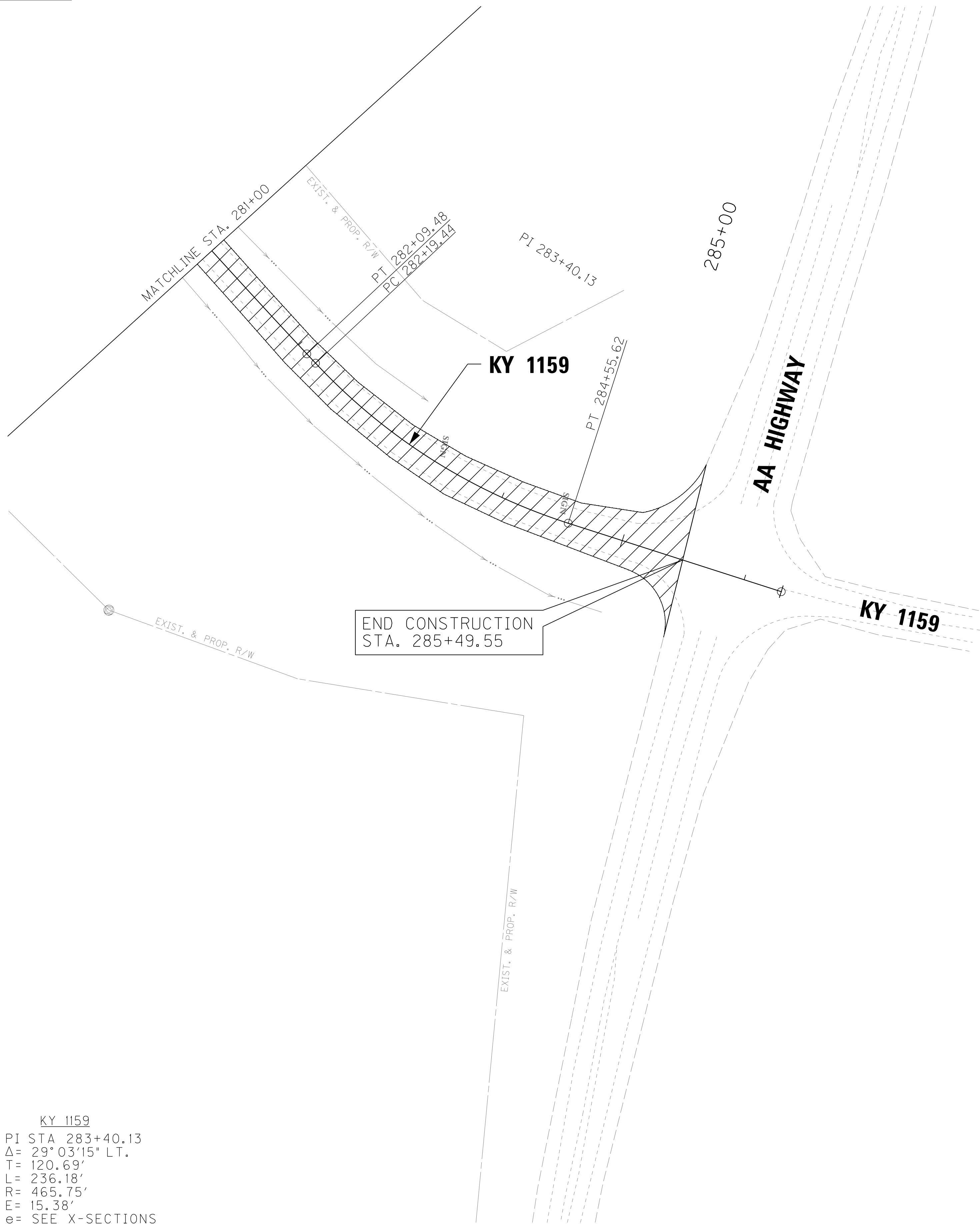
RIGHT OF WAY PLANS

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 266+00 TO STA. 281+00

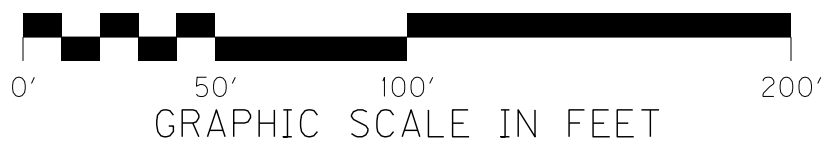
COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R27



 ASPHALT MILLING AND OVERLAY



KY 1159
PI STA 283+40.13
 $\Delta = 29^{\circ}03'15''$ LT.
T= 120.69'
L= 236.18'
R= 465.75'
E= 15.38'
e= SEE X-SECTIONS
Runoff= SEE X-SECTIONS
Runout= SEE X-SECTIONS



RIGHT OF WAY PLANS

GRADE, DRAIN, & SURFACING PLANS
KY 1159
STA. 281+00 TO STA. 285+49.55

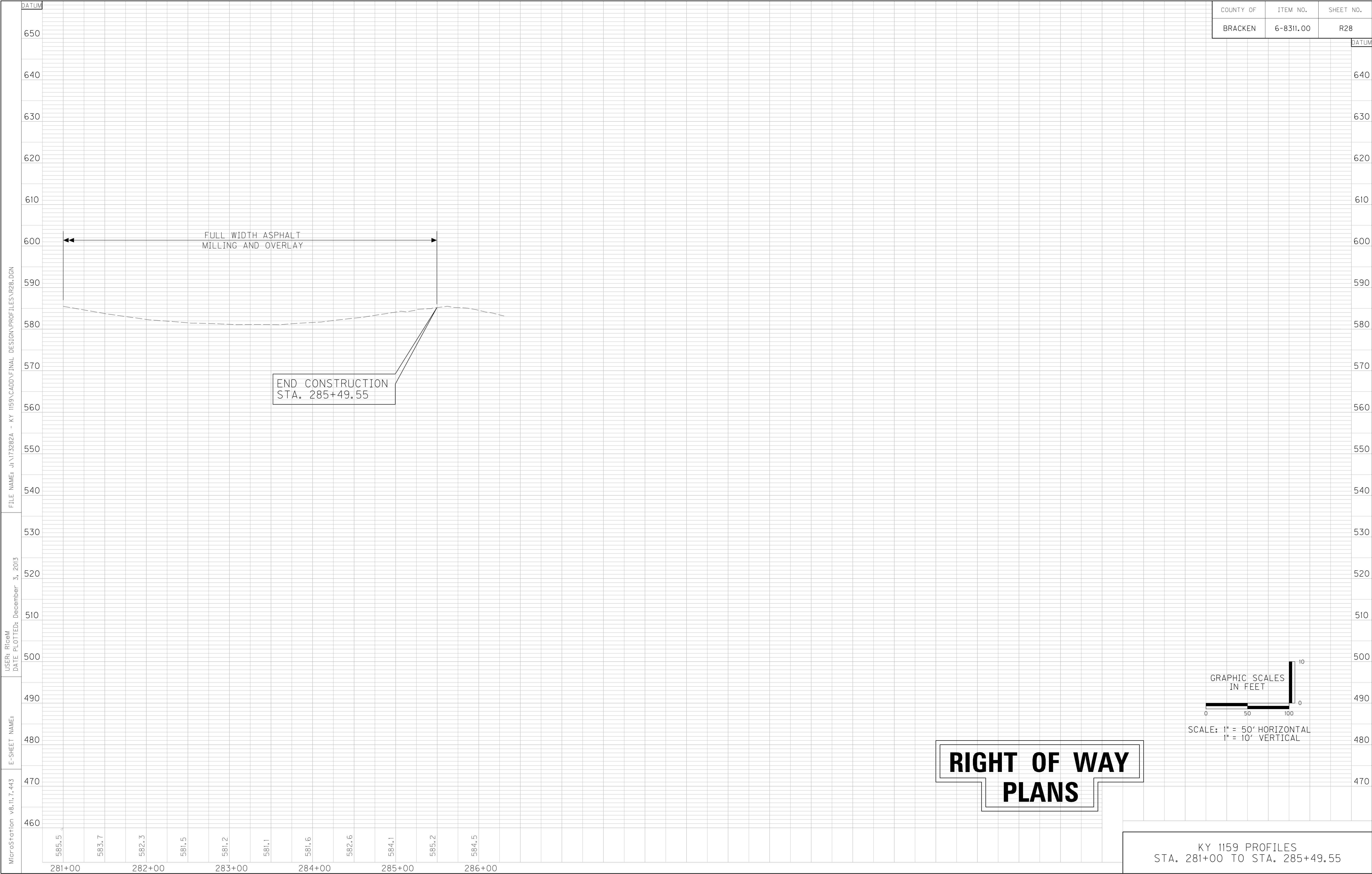
SCALE: 1"=50'

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\PLANS\R02700PL.DGN

USER: RiceM
DATE PLOTTED: March 13, 2014

E-SHEET NAME:

MicroStation v8.11.7.443



FILE NAME: J:\173282A - KY 155\RIGHT OF WAY PLAN SUBMITTAL\2014-03-25 RIGHT OF WAY PLAN SUBMITTAL\PLANS\DCN\R03000.DGN

USER: RiceM
DATE PLOTTED: March 25, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R30

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT	TEMPORARY	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
								SQ. FT.	SQ. FT.	ACRES	SQ. FT.													
32	HAROLD MAINS & MARGIE MAINS (WF.)	---	15,453	---	---	---	2,972	---	15,453	---	---	---	---	---	15,453							D.B. 87, PG. 318		
33	BILLY D. ELLIS & MILDRED A. ELLIS (WF.)	2.822	122,941	---	6,522	---	2,974	2.673	116,419	---	---	---	---	2.673	116,419							D.B. 190, PG. 236		
34	BERNARD MARVIN CHRISTY & RUTH CHRISTY (WF.)	---	21,645	---	9,835	---	1,002	---	11,810	---	---	---	---	---	11,810				1			D.B. 83, PG. 132		
35	LUCILLE CHRISTY	3.608	157,154	1.941	84,548	---	2,390	1.667	72,606	---	---	---	---	1.667	72,606							D.B. 149, PG. 161		
36	STEVEN BRADLEY TUCKER	7.271	316,742	---	---	---	415	---	---	7.271	316,742	---	---	7.271	316,742							D.B. 176, PG. 576 D.B. 180, PG. 192		
37	JOSEPH BRENT HAY & RHONDA K. HAY (WF.)	7.060	307,544	---	9,409	---	5,951	---	---	6.844	298,135	---	---	6.844	298,135							D.B. 135, PG. 423		
38	STEVE LENOX & LINDA LENOX (WF.), RICHARD LENOX & JERIANN R. LENOX (WF.)	---	19,746	---	60	---	3,573	---	---	---	19,686	---	---	---	19,686							D.B. 121, PG. 85		
39	JERRY L. ANDERSON	1.510	65,774	---	13,693	---	1,500	1.196	52,081	---	---	---	---	1.196	52,081							D.B. 179, PG. 238		
40	RONALD A. NEELEY & DEBRA L. NEELEY (WF.)	2.682	116,811	---	17,258	---	6,007	2.285	99,553	---	---	---	---	2.285	99,553							D.B. 173, PG. 9 D.B. 179, PG. 355		
41	PHYLLIS N. PARSONS	6.608	287,843	1.789	77,927	---	894	---	---	4.819	209,916	---	---	4.819	209,916							D.B. 180, PG. 391		
42	BOBBY ANDERSON & MARLENE ANDERSON (WF.)	1.113	48,476	---	26,464	---	658	---	22,012	---	---	---	---	---	22,012							D.B. 167, PG. 401		
43	RICKEY A. FLORER & TAMARA D. FLORER (WF.)	1.001	43,600	---	4,105	---	781	---	39,495	---	---	---	---	---	39,495							D.B. 170, PG. 529		
44	ERIC R. FEGAN ENTERPRISES, LLC. & TERRY S. BURTON, JR.	21.551	938,753	3.237	140,984	---	1,880	17.783	774,606	---	23,163	---	---	18.314	797,769							D.B. 199, Pg. 577		
45	JoANN CAMPBELL & MICHAEL JAY CAMPBELL	5.162	224,873	---	10,705	---	12,364	---	---	4.917	214,168	---	---	4.917	214,168							D.B. 199, Pg. 466		
46	PERRY POE & WANDA JOYCE POE	---	21,951	---	---	---	3,764	---	---	---	21,951	---	---	---	21,951							D.B. 97, Pg. 515		
47	BETTY BAKER	---	29,370	---	---	---	1,972	---	---	---	29,370	---	---	---	29,370							D.B. 185, PG. 670		
50	VERNON DALE WOLFE	1.076	46,861	---	20,552	---	1,211	---	26,309	---	---	---	---	---	26,309				1			D.B. 145, PG. 138		
51	ROBERT A. COOPER & IDA LEE COOPER (WF.)	62.113	2,705,628	1.204	52,438	---	13,213	60.909	2,653,190	---	---	---	---	60.909	2,653,190					1		D.B. 83, PG. 559		
55	MORGAN ISHMAEL	8.700	378,963	1.584	68,978	---	2,958	7.116	309,985	---	---	---	---	7.116	309,985				1			D.B. 198, PG. 749		
57	ROBERT P. TAYLOR & STEPHANIE L. TAYLOR (WF.)	24.862	1,082,987	3.886	169,260	7,029	3,811	20.963	913,144	---	583	---	---	20.976	913,727					2		D.B. 173, PG. 204		
59	STAN MITIC, JR.	---	28,587	---	22,857	---	---	---	5,730	---	---	---	---	---	5,730				1		1	D.B. 175, PG. 637 D.B. 177, PG. 24		
61	RICHARD D. BADGER & VIRGINIA BADGER (WF.)	13.208	575,324	---	38,974	---	4,627	12.259	533,990	---	2,360	---	---	12.313	536,350							D.B. 108, PG. 167		
63	SIMON L. JEWELL & CATHERINE J. JEWELL (WF.)	152.620	6,648,120	---	---	---	2,837	---	---	152.620	6,648,120	---	---	152.620	6,648,120							D.B. 152, PG. 409		
64	CHRIS PULLIAM & DOROTHY PULLIAM	1.036	45,146	---	34,288	---	1,721	---	10,858	---	---	---	---	---	10,858				1			D.B. 187, PG. 669		
65	G.T. HARDING & NAUVA JUNE HARDING (WF.)	43.805	1,908,159	5.433	236,680	---	5,677	38.000	1,655,280	---	16,199	---	---	38.372	1,671,479				1			D.B. 95, PG. 631		
66	G.T. HARDING & NAUVA JUNE HARDING (WF.)	24.797	1,080,162	3.576	155,792	---	261	---	15,462	20.866	908,908	---	---	21.221	924,370							D.B. 95, PG. 631		
68	GARY W. FRYMAN & TAMMY A. FRYMAN (WF.)	3.155	137,424	1.336	58,192	---	---	1.819	79,232	---	---	---	---	1.819	79,232							D.B. 136, PG. 478		
76	BRIAN K. THOMAS	1.244	54,200	---	18,993	---	---	---	35,207	---	---	---	---	---	35,207							D.B. 175, PG. 375		
80	ANTHONY WAYNE HUTCHISON & ANN HUTCHISON (WF.)	32.665	1,422,907	5.397	235,078	---	2,561	---	33,012	26.511	1,154,817	---	---	27.269	1,187,829							D.B. 183, PG. 619		
82	ANTHONY WAYNE HUTCHISON & ANN HUTCHISON (WF.)	15.572	678,298	---	10,429	---	8,820	15.332	667,869	---	---	---	---	15.332	667,869							D.B. 183, PG. 619		

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

NOTE: PRIVATE SEWER SYSTEMS WERE NOT LOCATED BY SURVEYS. THEREFORE, IT IS UNKNOWN IF ANY ARE LOCATED ON PARCELS OR ARE AFFECTED BY PROJECT.

RIGHT OF WAY
PLANS

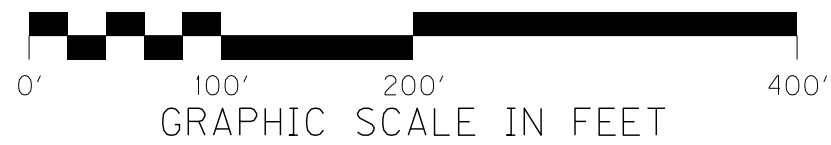
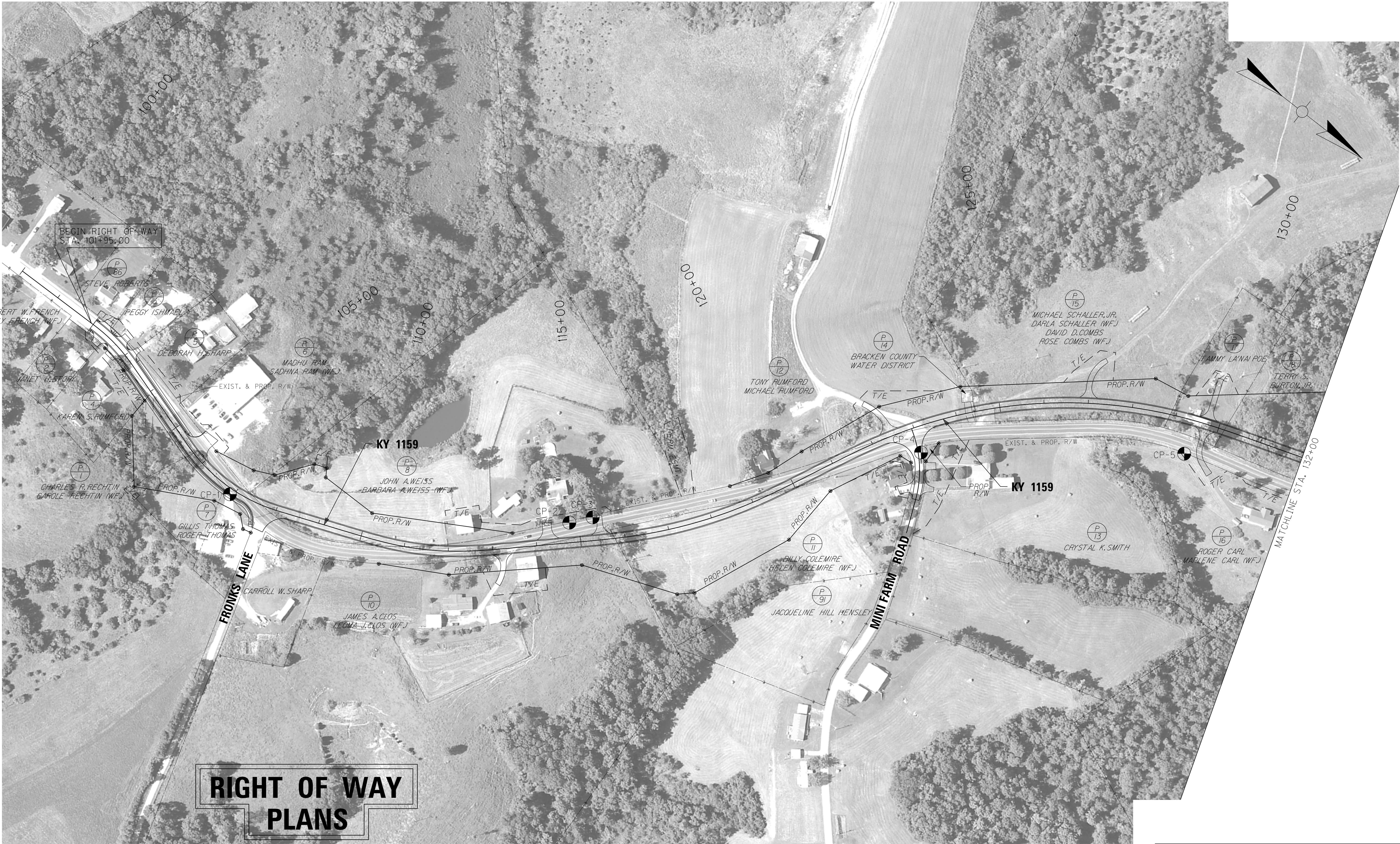
- TYPE SEWER SYSTEM
- 1. PRIVATE - INDIVIDUAL
 - 2. PRIVATE - MULTI PARTY
 - 3. PUBLIC
 - 4. NONE
 - 5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE

C - COMMERCIAL
R - RESIDENTIAL
F - FARM
S - STORAGE

*INCLUDES HAZARDOUS WASTE
(UST - UNDERGROUND STORAGE TANKS)

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\RW STRIP MAPS\RW-SHEET 1.DGN
USER: RiceM
DATE PLOTTED: December 5, 2013
E-SHEET NAME:
MicroStation v8.11.7.443



SCALE: 1"=100'

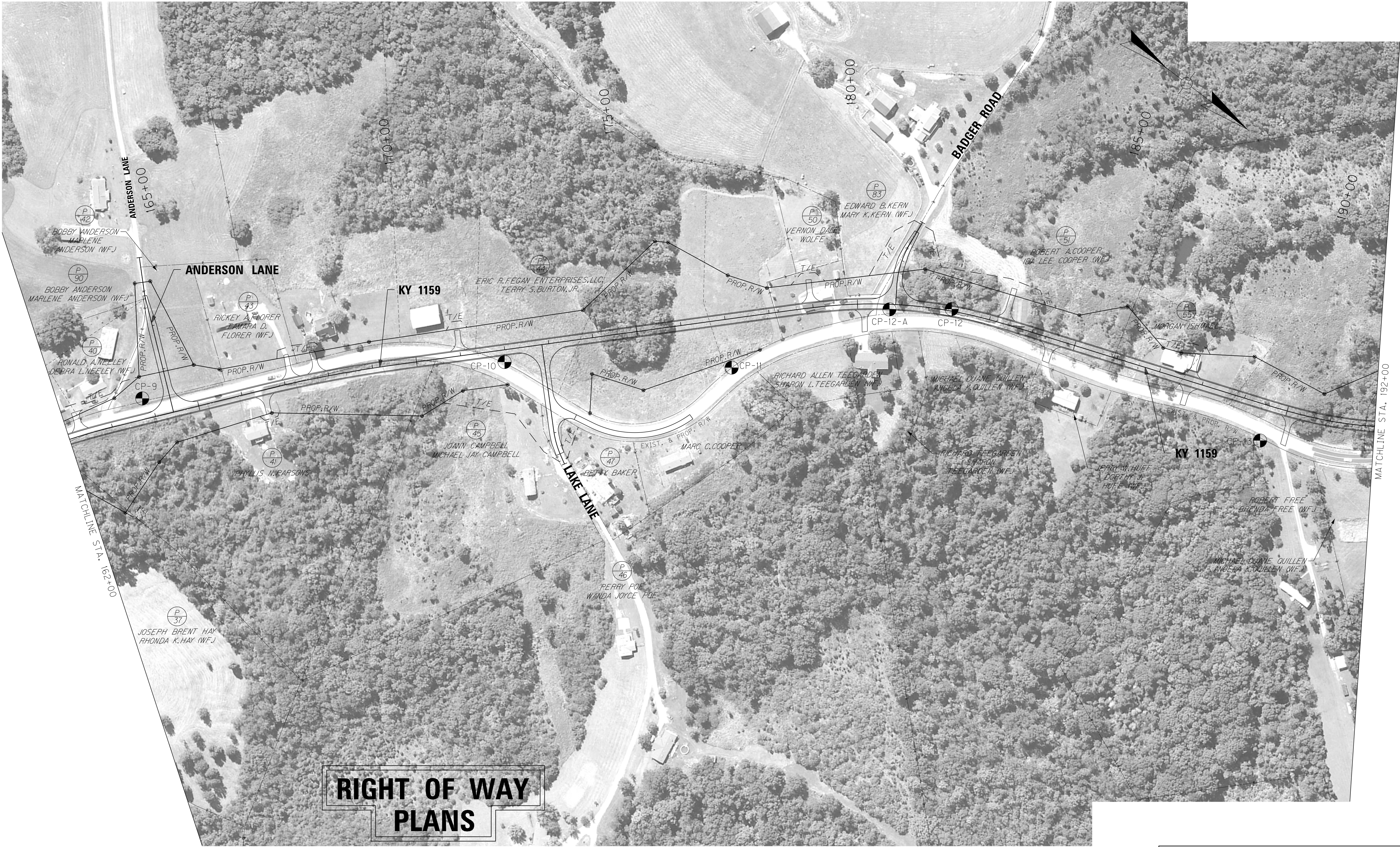
COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R34

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\RW STRIP MAPS\RW-SHEET 3.DGN

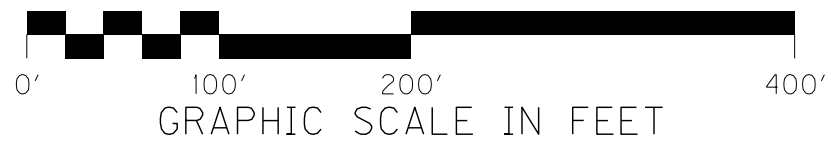
USER: RiceM
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443



RIGHT OF WAY PLANS

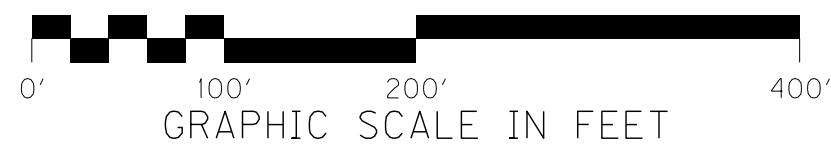


SCALE: 1"=100'

RIGHT OF WAY STRIP MAP
KY 1159
STA. 162+00 TO STA. 192+00



**RIGHT OF WAY
PLANS**



SCALE: 1"=100'

RIGHT OF WAY STRIP MAP
KY 1159
STA. 192+00 TO STA. 222+00

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\RW STRIP MAPS\RW-SHEET 4.DGN

USER: RiceM
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\RW STRIP MAPS\RW-SHEET 5.DGN

USER: RiceM
DATE PLOTTED: December 5, 2013

E-SHEET NAME:

MicroStation v8.11.7.443



FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\PROJECT CONTROL LOCATION SHEET.DGN

USER: DetJen
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R37

COORDINATE CONTROL POINTS							
POINT	DESCRIPTION	Project Coordinates			STATION and OFFSET	State Plane Coordinates	
		NORTH (Y)	EAST (X)	ELEV. (Z)		NORTH (Y)	EAST (X)
CP-1	BRASS DISC IN CONCRETE	4145364.971	5400855.770	928.884	106 + 91.35, 12.13' RIGHT	4145250.517	5400706.651
CP-2	IRON PIN & CAP	4146008.429	5400436.114	938.233	114 + 77.97, 45.12' LEFT	4145893.957	5400287.007
CP-3	BRASS DISC IN CONCRETE	4146042.639	5400394.251	936.217	115 + 31.88, 52.27' LEFT	4145928.166	5400245.145
CP-4	IRON PIN & CAP	4146536.866	5399823.667	940.836	122 + 97.69, 57.71' RIGHT	4146422.379	5399674.577
CP-5	IRON PIN & CAP	4147006.765	5399461.120	908.166	129 + 40.95, 77.95' RIGHT	4146892.265	5399312.040
CP-6	IRON PIN & CAP	4148052.071	5398935.553	916.847	140 + 98.86, 55.98' RIGHT	4147937.542	5398786.487
CP-7	IRON PIN & CAP	4148399.370	5398412.579	909.870	147 + 03.35, 53.03' RIGHT	4148284.832	5398263.582
CP-8	IRON PIN & CAP	4148396.881	5398069.131	909.502	150 + 36.04, 1.64' LEFT	4148282.343	5397920.089
CP-9	IRON PIN & CAP	4148705.456	5396772.313	903.397	163 + 80.74, 46.58' LEFT	4148590.909	5396623.307
CP-10	IRON PIN & CAP	4149305.005	5396214.755	900.245	171 + 96.03, 27.33' RIGHT	4149190.442	5396065.764
CP-11	IRON PIN & CAP	4149719.371	5395916.203	890.064	177 + 00.12, 109.33' RIGHT	4149604.796	5395767.221
CP-12	IRON PIN & CAP	4150033.908	5395512.356	911.274	182 + 11.96, 4.63' LEFT	4149919.325	5395363.385
CP-12-A	BRASS DISC IN CONCRETE	4149922.855	5395597.459	909.986	180 + 72.38, 11.53' RIGHT	4149808.275	5395448.486
CP-13	IRON PIN & CAP	4150765.065	5395328.927	896.625	189 + 60.93, 80.94' RIGHT	4150650.462	5395179.961
CP-14	IRON PIN & CAP	4151157.605	5395073.088	897.719	194 + 01.76, 73.57' RIGHT	4151042.991	5394924.129
CP-15	IRON PIN & CAP	4151626.499	5394618.882	898.928	200 + 68.07, 32.93' RIGHT	4151511.872	5394469.936
CP-16	IRON PIN & CAP	4152340.176	5394387.162	895.218	208 + 23.90, 53.67' RIGHT	4152225.529	5394238.222
CP-17	IRON PIN & CAP	4153352.234	5394110.521	881.301	218 + 69.10, 117.27' RIGHT	4153237.559	5393961.589
CP-18	IRON PIN & CAP	4154415.579	5393166.741	866.102	232 + 02.17, 372.23' LEFT	4154300.875	5393017.835
CP-19	IRON PIN & CAP	4155000.007	5393014.135	847.890	238 + 01.59, 297.80' LEFT	4154885.287	5392865.233
CP-20	IRON PIN & CAP	4155680.581	5392746.375	869.375	246 + 10.81, 3.23' LEFT	4155565.842	5392597.480
CP-M1	BRASS DISK IN CONCRETE	4155746.968	5392286.801	873.456	250 + 79.92, 40.52' LEFT	4155632.227	5392137.919
CP-M2	BRASS DISK IN CONCRETE	4155920.317	5392063.277	852.265	253 + 49.48, 57.03' RIGHT	4155805.571	5391914.401

*SEE RIGHT OF WAY STRIP MAP SHEETS FOR PROJECT CONTROL MONUMENT LOCATIONS.

PROJECT COORDINATES

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.

Coordinates shown are Project Datum of Ground Coordinates and are in U.S. Survey Feet.

A project datum factor of 1.000027611 was computed to convert the State Plane Coordinates to Project Coordinates.

If State Plane Coordinates are needed, divide the Project Coordinates by the Project Datum Factor.

Coordinates are based on State Plane Coordinate System Single Zone.

BASIS OF ELEVATIONS

Elevations were derived from NGS/USGS Vertical Control Mark L 34. The Elevation used for this mark is 953.55 and is the basis of elevation for this project. The location of the Benchmark is as follows:

AT THE SOUTH CORNER OF THE COUNTY COURTHOUSE IN BROOKSVILLE, 23.6 FEET SOUTH OF THE SOUTH CORNER OF BUILDING, 17.9 FEET SOUTHWEST OF THE SOUTHWEST WALL OF COURTHOUSE EXTENDED, 15.4 FEET SOUTHEAST OF THE SOUTHEAST WALL OF THE OFFSET PORTION EXTENDEED, 4.2 FEET SOUTH OF THE EDGE OF SIDEWALK AT A CURVE, 3 INCHES BELOW THE LEVEL OF THE SIDEWALK, 1 INCH UNDERGROUND.

RIGHT OF WAY
PLANS

FILE NAME: j:\73282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\GEOMETRIC COORDINATE DATA SHEET.DGN

USER: RiceM
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

KY 1159			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	100 + 00.00	5400746.496	4144686.494
PC	102 + 04.68	5400743.414	4144891.151
PI	102 + 65.75	5400742.494	4144952.217
PT	103 + 25.79	5400760.756	4145010.497
PC	105 + 48.31	5400827.291	4145010.497
PI	106 + 81.19	5400867.025	4145349.638
PT	108 + 03.98	5400819.077	4145473.571
TS	109 + 59.12	5400763.096	4145618.267
SC	110 + 92.12	5400710.992	4145740.570
PI	111 + 53.47	5400692.970	4145799.522
CS	112 + 11.32	5400647.742	4145841.409
ST	113 + 44.32	5400560.315	4145941.557
TS	114 + 85.76	5400463.772	4146044.926
SC	116 + 38.76	5400356.717	4146154.185
PI	117 + 67.31	5400271.598	4146250.687
ST	120 + 43.58	5400016.800	4146370.460
TS	120 + 72.44	5399990.685	4146382.736
SC	122 + 25.44	5399853.850	4146451.104
PI	126 + 06.76	5399507.123	4146610.043
CS	129 + 36.57	5399390.628	4146973.237
ST	130 + 89.57	5399339.050	4147117.244
TS	132 + 29.25	5399295.113	4147249.833
SC	133 + 63.25	5399250.609	4147376.207
PI	134 + 05.76	5399239.590	4147417.387
CS	134 + 47.57	5399216.930	4147453.494
ST	135 + 81.57	5399154.667	4147572.130
TS	138 + 50.93	5399025.076	4147808.264
SC	139 + 94.93	5398952.803	4147932.775
PI	144 + 57.04	5398733.470	4148339.613
CS	148 + 31.35	5398272.790	4148377.000
ST	149 + 75.35	5398129.733	4148393.155
TS	156 + 09.91	5397497.657	4148449.210
SC	157 + 53.91	5397354.600	4148465.365
PI	159 + 86.64	5397122.397	4148482.489
CS	162 + 01.03	5396943.483	4148631.488
ST	163 + 45.03	5396829.361	4148719.253
TS	165 + 96.64	5396633.651	4148877.380
SC	166 + 78.64	5396570.104	4148929.204
PI	167 + 96.21	5396478.416	4149002.804
CS	169 + 13.48	5396395.526	4149086.188

KY 1159			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
ST	169 + 95.48	5396337.269	4149143.894
TS	178 + 22.97	5395752.023	4149728.899
SC	179 + 66.97	5395652.674	4149833.092
PI	181 + 17.19	5395543.940	4149936.897
CS	182 + 59.95	5395495.847	4150079.326
ST	184 + 03.95	5395443.435	4150213.413
TS	189 + 16.86	5395268.225	4150695.463
SC	190 + 60.86	5395215.459	4150829.402
PI	191 + 83.19	5395177.247	4150945.769
CS	192 + 99.27	5395088.971	4151030.673
ST	194 + 43.27	5394991.174	4151136.314
TS	196 + 99.12	5394812.420	4151319.364
SC	198 + 43.12	5394714.336	4151424.749
PI	199 + 98.97	5394602.927	4151533.891
CS	201 + 46.82	5394556.290	4151682.717
ST	202 + 90.82	5394506.948	4151817.964
PC	216 + 84.22	5394060.933	4153138.047
PI	219 + 49.94	5393975.876	4153389.793
PT	222 + 15.55	5393877.569	4153636.667
PC	238 + 04.09	5393289.879	4155112.506
PI	244 + 66.89	5393044.676	4155728.275
PT	249 + 88.75	5392383.707	4155777.435
PC	250 + 10.25	5392362.266	4155779.030
PI	251 + 81.60	5392191.385	4155791.739
PT	253 + 48.52	5392038.425	4155868.973
PC	253 + 59.58	5392028.553	4155873.958
PI	258 + 06.22	5391629.859	4156075.270
PT	261 + 91.19	5391541.435	4156513.066
PC	271 + 56.92	5391350.241	4157459.685
PI	274 + 98.16	5391282.684	4157794.166
PT	277 + 97.40	5391490.464	4158064.848
PC	279 + 57.61	5391588.016	4158191.932
PI	280 + 83.56	5391664.707	4158291.840
PT	282 + 09.48	5391737.754	4158394.442
PC	282 + 19.44	5391743.533	4158402.558
PI	283 + 40.13	5391813.528	4158500.873
PT	284 + 55.62	5391826.969	4158620.808
POE	286 + 30.46	5391846.442	4158794.558

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R38

RIGHT OF WAY
PLANS

FILE NAME: j:\73282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\GEOMETRIC COORDINATE DATA SHEET.DGN

USER: RiceM
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

MINI FARM ROAD			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	50 + 00.00	5399794.386	4146487.063
PC	50 + 13.08	5399801.514	4146498.025
PI	50 + 90.34	5399843.628	4146562.797
PT	51 + 62.94	5399914.943	4146592.515
POE	52 + 41.33	5399987.301	4146622.668

WAGEL ROAD			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	50 + 00.00	5398424.555	4148340.081
PC	50 + 54.47	5398441.525	4148391.845
PI	50 + 99.12	5398455.434	4148434.269
PT	51 + 43.09	5398481.273	4148470.677
POE	52 + 29.84	5398531.480	4148541.422

ANDERSON LANE			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	46 + 43.82	5396523.786	4148508.802
PI	47 + 30.50	5396584.798	4148570.376
POE	50 + 00.00	5396754.171	4148780.004

LAKE LANE			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	50 + 00.00	5396132.913	4149348.166
PC	51 + 95.12	5396270.856	4149486.165
PI	52 + 24.21	5396291.422	4149506.739
PT	52 + 52.93	5396305.620	4149532.130
POE	52 + 74.47	5396316.133	4149550.929

BADGER ROAD			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	48 + 02.22	5395396.860	4149864.094
PC	48 + 61.09	5395455.328	4149870.916
PI	49 + 11.07	5395504.974	4149876.709
PT	49 + 59.14	5395546.382	4149904.703
POE	50 + 00.00	5395580.234	4149927.589

BADGER ROAD			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	48 + 02.22	5395396.860	4149864.094
PC	48 + 61.09	5395455.328	4149870.916
PI	49 + 11.07	5395504.974	4149876.709
PT	49 + 59.14	5395546.382	4149904.703
POE	50 + 00.00	5395580.234	4149927.589

CONNECTOR ROAD NO.1			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	46 + 55.27	5393414.718	4154068.780
PC	47 + 06.23	5393455.634	4154038.398
PI	48 + 40.77	5393563.649	4153958.192
PT	49 + 59.17	5393695.384	4153985.504
POE	50 + 00.00	5393735.359	4153993.792

AUGUSTA-BERLIN ROAD			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	50 + 00.00	5393393.152	4154853.163
PC	50 + 27.00	5393418.236	4154863.152
PI	51 + 67.90	5393549.143	4154915.280
PRC	52 + 73.89	5393644.714	4154811.741
PI	53 + 70.30	5393710.104	4154740.900
PT	54 + 54.12	5393806.371	4154746.082
POE	54 + 87.18	5393839.382	4154747.860

CONNECTOR ROAD NO.2			
STATION		PROJECT COORDINATES	
		EAST (X)	NORTH (Y)
POB	47 + 29.28	5392890.421	4155312.689
PC	47 + 46.83	5392885.039	4155329.394
PI	48 + 54.47	5392852.028	4155431.854
PT	49 + 45.07	5392917.633	4155517.198
POE	50 + 00.00	5392951.109	4155560.745

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R39

RIGHT OF WAY
PLANS

RIGHT OF WAY MONUMENT POINTS							
				PROJECT GRID COORDINATES		STATE PLANE COORDINATES	
ROUTE	STATION AND OFFSET	TYPE	DESCRIPTION	NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
KY 1159	23.00' RT. STA. 102 + 57.06	R/W MARKER TYPE 1	ALUMINUM DISK	4144940.5968	5400769.0585	4144826.1540	5400619.9420
KY 1159	23.00' RT. STA. 103 + 25.79	R/W MARKER TYPE 1	ALUMINUM DISK	4145003.6197	5400782.7037	4144889.1752	5400633.5868
KY 1159	23.00' RT. STA. 104 + 09.50	R/W MARKER TYPE 1	ALUMINUM DISK	4145083.4996	5400807.7338	4144969.0529	5400658.6162
KY 1159	65.74' RT. STA. 104 + 21.67	R/W MARKER TYPE 1	ALUMINUM DISK	4145082.3295	5400852.1607	4144967.8828	5400703.0419
KY 1159	152.67' RT. STA. 105 + 53.41	R/W MARKER TYPE 1	ALUMINUM DISK	4145184.0288	5400975.0665	4145069.5793	5400825.9443
KY 1159	42.06' LT. STA. 106 + 01.46	R/W MARKER TYPE 1	ALUMINUM DISK	4145281.3548	5400798.0891	4145166.9026	5400648.9718
KY 1159	44.14' RT. STA. 106 + 72.33	R/W MARKER TYPE 1	ALUMINUM DISK	4145346.0950	5400888.7090	4145231.6410	5400739.5892
KY 1159	62.16' LT. STA. 107 + 08.78	R/W MARKER TYPE 1	ALUMINUM DISK	4145374.0744	5400780.2871	4145259.6196	5400631.1703
KY 1159	38.45' RT. STA. 107 + 31.38	R/W MARKER TYPE 1	ALUMINUM DISK	4145410.5970	5400876.5022	4145296.1412	5400727.3827
KY 1159	66.27' RT. STA. 107 + 49.84	R/W MARKER TYPE 1	ALUMINUM DISK	4145436.7623	5400899.5319	4145322.3058	5400750.4118
KY 1159	66.59' RT. STA. 107 + 65.91	R/W MARKER TYPE 1	ALUMINUM DISK	4145455.1431	5400895.2103	4145340.6861	5400746.0903
KY 1159	73.69' LT. STA. 107 + 66.47	R/W MARKER TYPE 1	ALUMINUM DISK	4145418.2964	5400759.8507	4145303.8404	5400610.7344
KY 1159	125.02' LT. STA. 108 + 52.39	R/W MARKER TYPE 1	ALUMINUM DISK	4145473.6153	5400685.0044	4145359.1578	5400535.8902
KY 1159	124.42' LT. STA. 108 + 81.37	R/W MARKER TYPE 1	ALUMINUM DISK	4145500.8534	5400675.1093	4145386.3951	5400525.9954
KY 1159	103.49' LT. STA. 108 + 85.70	R/W MARKER TYPE 1	ALUMINUM DISK	4145512.4454	5400693.0731	4145397.9868	5400543.9587
KY 1159	56.44' LT. STA. 110 + 09.71	R/W MARKER TYPE 1	ALUMINUM DISK	4145644.2214	5400692.2787	4145529.7592	5400543.1643
KY 1159	49.98' RT. STA. 110 + 53.60	R/W MARKER TYPE 1	ALUMINUM DISK	4145726.1542	5400773.1576	4145611.6897	5400624.0410
KY 1159	52.98' RT. STA. 112 + 02.57	R/W MARKER TYPE 1	ALUMINUM DISK	4145865.9346	5400695.5736	4145751.4663	5400546.4591
KY 1159	33.57' LT. STA. 113 + 48.14	R/W MARKER TYPE 1	ALUMINUM DISK	4145921.4376	5400533.1715	4145806.9677	5400384.0615
KY 1159	52.53' RT. STA. 114 + 97.93	R/W MARKER TYPE 1	ALUMINUM DISK	4146089.6908	5400493.8422	4145975.2163	5400344.7333
KY 1159	146.62' RT. STA. 116 + 88.98	R/W MARKER TYPE 1	ALUMINUM DISK	4146299.5422	5400413.6123	4146185.0619	5400264.5056
KY 1159	152.29' RT. STA. 117 + 22.80	R/W MARKER TYPE 1	ALUMINUM DISK	4146328.3172	5400387.3282	4146213.8361	5400238.2222
KY 1159	167.75' LT. STA. 117 + 35.81	P/E BREAK POINT	N/A	4146083.9709	5400180.2516	4145969.4965	5400031.1513
KY 1159	232.66' LT. STA. 117 + 53.24	P/E BREAK POINT	N/A	4146040.7839	5400129.7708	4145926.3107	5399980.6719
KY 1159	63.99' LT. STA. 117 + 77.67	P/E BREAK POINT	N/A	4146189.5549	5400211.9653	4146075.0776	5400062.8642
KY 1159	147.67' LT. STA. 117 + 95.34	P/E BREAK POINT	N/A	4146130.0194	5400151.0435	4146015.5438	5400001.9440
KY 1159	238.44' LT. STA. 117 + 98.01	P/E BREAK POINT	N/A	4146056.3134	5400098.0255	4145941.8398	5399948.9275
KY 1159	53.69' LT. STA. 118 + 65.06	R/W MARKER TYPE 1	ALUMINUM DISK	4146243.1546	5400148.3577	4146128.6758	5399999.2583
KY 1159	110.19' RT. STA. 119 + 38.08	R/W MARKER TYPE 1	ALUMINUM DISK	4146422.5604	5400162.0071	4146308.0767	5400012.9073
KY 1159	46.16' LT. STA. 119 + 60.00	R/W MARKER TYPE 1	ALUMINUM DISK	4146293.0191	5400071.6530	4146178.5390	5399922.5557
KY 1159	55.58' LT. STA. 120 + 50.00	R/W MARKER TYPE 1	ALUMINUM DISK	4146322.8921	5399987.3454	4146208.4111	5399838.2505
KY 1159	53.23' RT. STA. 120 + 67.75	R/W MARKER TYPE 1	ALUMINUM DISK	4146428.9112	5400017.5688	4146314.4273	5399868.4730
KY 1159	72.27' LT. STA. 122 + 45.27	R/W MARKER TYPE 1	ALUMINUM DISK	4146398.6132	5399800.1188	4146284.1301	5399651.0290
KY 1159	48.71' RT. STA. 122 + 48.83	R/W MARKER TYPE 1	ALUMINUM DISK	4146504.7188	5399858.3299	4146390.2328	5399709.2385
KY 1159	71.37' RT. STA. 122 + 67.01	R/W MARKER TYPE 1	ALUMINUM DISK	4146532.9826	5399855.3210	4146418.4958	5399706.2297
KY 1159	50.02' RT. STA. 123 + 43.64	R/W MARKER TYPE 1	ALUMINUM DISK	4146555.1767	5399783.3294	4146440.6893	5399634.2401
KY 1159	61.88' RT. STA. 124 + 22.67	R/W MARKER TYPE 1	ALUMINUM DISK	4146515.4703	5399652.0290	4146400.9840	5399502.9433
KY 1159	40.36' LT. STA. 128 + 40.36	R/W MARKER TYPE 1	ALUMINUM DISK	4146852.3134	5399366.7704	4146737.8178	5399217.6926
KY 1159	50.21' LT. STA. 129 + 15.83	R/W MARKER TYPE 1	ALUMINUM DISK	4146934.0761	5399352.7049	4146819.5783	5399203.6275
KY 1159	182.98' LT. STA. 132 + 68.90	R/W MARKER TYPE 1	ALUMINUM DISK	4147229.0455	5399109.1725	4147114.5395	5398960.1018
KY 1159	85.34' LT. STA. 133 + 74.92	R/W MARKER TYPE 1	ALUMINUM DISK	4147354.9506	5399167.1962	4147240.4411	5399018.1239

RIGHT OF WAY
PLANS

R/W MONUMENT COORDINATES

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\RIGHT OF WAY MONUMENT COORDINATES.DGN

USER: Detjen
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

RIGHT OF WAY MONUMENT POINTS							
				PROJECT GRID COORDINATES		STATE PLANE COORDINATES	
ROUTE	STATION AND OFFSET	TYPE	DESCRIPTION	NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
KY 1159	38.50' LT. STA. 135 + 00.00	R/W MARKER TYPE 1	ALUMINUM DISK	4147482.5310	5399159.2899	4147368.0180	5399010.2178
KY 1159	29.00' LT. STA. 135 + 54.00	R/W MARKER TYPE 1	ALUMINUM DISK	4147534.0562	5399142.4570	4147419.5418	5398993.3854
KY 1159	25.00' LT. STA. 136 + 18.44	R/W MARKER TYPE 1	ALUMINUM DISK	4147592.4257	5399115.0111	4147477.9097	5398965.9403
KY 1159	82.53' LT. STA. 136 + 48.63	R/W MARKER TYPE 1	ALUMINUM DISK	4147591.2143	5399050.0524	4147476.6983	5398900.9833
KY 1159	95.00' LT. STA. 136 + 55.18	R/W MARKER TYPE 1	ALUMINUM DISK	4147590.9518	5399035.9714	4147476.4358	5398886.9027
KY 1159	84.00' LT. STA. 137 + 14.00	R/W MARKER TYPE 1	ALUMINUM DISK	4147647.8108	5399017.3147	4147533.2933	5398868.2465
KY 1159	53.02' LT. STA. 137 + 60.47	R/W MARKER TYPE 1	ALUMINUM DISK	4147703.4544	5399022.1164	4147588.9353	5398873.0481
KY 1159	110.02' LT. STA. 139 + 16.02	R/W MARKER TYPE 1	ALUMINUM DISK	4147810.8298	5398897.8201	4147696.3078	5398748.7552
KY 1159	55.59' LT. STA. 140 + 33.86	R/W MARKER TYPE 1	ALUMINUM DISK	4147933.0698	5398885.5606	4147818.5444	5398736.4961
KY 1159	53.97' LT. STA. 141 + 39.05	R/W MARKER TYPE 1	ALUMINUM DISK	4148012.5713	5398825.1920	4147898.0437	5398676.1292
KY 1159	81.17' LT. STA. 142 + 27.44	R/W MARKER TYPE 1	ALUMINUM DISK	4148053.0811	5398748.9230	4147938.5524	5398599.8623
KY 1159	51.71' LT. STA. 143 + 89.11	R/W MARKER TYPE 1	ALUMINUM DISK	4148171.0598	5398650.5763	4148056.5278	5398501.5183
KY 1159	57.24' LT. STA. 145 + 99.67	R/W MARKER TYPE 1	ALUMINUM DISK	4148261.0512	5398473.3080	4148146.5167	5398324.2549
KY 1159	66.47' RT. STA. 147 + 42.92	R/W MARKER TYPE 1	ALUMINUM DISK	4148423.4603	5398375.7176	4148308.9213	5398226.6672
KY 1159	107.16' LT. STA. 147 + 62.95	R/W MARKER TYPE 1	ALUMINUM DISK	4148259.4024	5398315.5738	4148144.8680	5398166.5250
KY 1159	36.77' LT. STA. 149 + 57.64	R/W MARKER TYPE 1	ALUMINUM DISK	4148354.9582	5398144.0798	4148240.4211	5397995.0358
KY 1159	41.75' RT. STA. 149 + 85.72	R/W MARKER TYPE 1	ALUMINUM DISK	4148435.6567	5398123.0880	4148321.1174	5397974.0445
KY 1159	84.05' RT. STA. 151 + 01.34	R/W MARKER TYPE 1	ALUMINUM DISK	4148488.0014	5398011.6627	4148373.4607	5397862.6223
KY 1159	180.65' RT. STA. 152 + 20.42	R/W MARKER TYPE 1	ALUMINUM DISK	4148594.7440	5397901.5813	4148480.2003	5397752.5440
KY 1159	47.78' LT. STA. 152 + 40.00	R/W MARKER TYPE 1	ALUMINUM DISK	4148368.9375	5397861.8962	4148254.4000	5397712.8600
KY 1159	161.35' RT. STA. 152 + 97.38	R/W MARKER TYPE 1	ALUMINUM DISK	4148582.3217	5397823.2182	4148467.7784	5397674.1830
KY 1159	63.17' LT. STA. 153 + 00.00	R/W MARKER TYPE 1	ALUMINUM DISK	4148358.9130	5397800.7717	4148244.3758	5397651.7371
KY 1159	74.27' RT. STA. 154 + 48.20	R/W MARKER TYPE 1	ALUMINUM DISK	4148508.9097	5397665.2901	4148394.3684	5397516.2593
KY 1159	62.79' LT. STA. 154 + 73.09	R/W MARKER TYPE 1	ALUMINUM DISK	4148374.5811	5397628.3932	4148260.0435	5397479.3634
KY 1159	215.52' LT. STA. 157 + 49.14	R/W MARKER TYPE 1	ALUMINUM DISK	4148251.7073	5397325.8768	4148137.1731	5397176.8553
KY 1159	87.74' LT. STA. 158 + 55.00	R/W MARKER TYPE 1	ALUMINUM DISK	4148401.7771	5397233.1037	4148287.2387	5397084.0848
KY 1159	78.90' RT. STA. 159 + 62.06	R/W MARKER TYPE 1	ALUMINUM DISK	4148593.2901	5397182.4755	4148478.7465	5397033.4580
KY 1159	84.40' LT. STA. 160 + 40.88	R/W MARKER TYPE 1	ALUMINUM DISK	4148474.8587	5397045.2045	4148360.3183	5396896.1908
KY 1159	59.93' RT. STA. 160 + 66.52	R/W MARKER TYPE 1	ALUMINUM DISK	4148615.6962	5397086.0534	4148501.1519	5396937.0386
KY 1159	71.20' RT. STA. 161 + 51.48	R/W MARKER TYPE 1	ALUMINUM DISK	4148664.6175	5397022.5573	4148550.0719	5396873.5442
KY 1159	41.74' LT. STA. 161 + 90.62	R/W MARKER TYPE 1	ALUMINUM DISK	4148591.0704	5396928.5946	4148476.5268	5396779.5841
KY 1159	193.58' RT. STA. 162 + 79.45	R/W MARKER TYPE 1	ALUMINUM DISK	4148830.6645	5396999.9797	4148716.1143	5396850.9672
KY 1159	62.30' LT. STA. 163 + 20.00	R/W MARKER TYPE 1	ALUMINUM DISK	4148654.9938	5396809.7991	4148540.4484	5396660.7919
KY 1159	101.68' RT. STA. 163 + 83.44	R/W MARKER TYPE 1	ALUMINUM DISK	4148822.4842	5396863.3867	4148707.9342	5396714.3780
KY 1159	68.04' RT. STA. 164 + 32.79	R/W MARKER TYPE 1	ALUMINUM DISK	4148827.3246	5396803.8632	4148712.7745	5396654.8562
KY 1159	68.41' LT. STA. 165 + 65.00	R/W MARKER TYPE 1	ALUMINUM DISK	4148804.2808	5396615.2677	4148689.7313	5396466.2659
KY 1159	54.60' RT. STA. 166 + 56.08	R/W MARKER TYPE 1	ALUMINUM DISK	4148957.0634	5396622.1264	4148842.5097	5396473.1244
KY 1159	59.84' LT. STA. 169 + 01.25	R/W MARKER TYPE 1	ALUMINUM DISK	4149034.6091	5396362.7621	4148920.0533	5396213.7672
KY 1159	122.29' RT. STA. 169 + 95.48	R/W MARKER TYPE 1	ALUMINUM DISK	4149230.3860	5396423.7252	4149115.8248	5396274.7287
KY 1159	75.51' RT. STA. 170 + 94.22	R/W MARKER TYPE 1	ALUMINUM DISK	4149269.2255	5396322.9367	4149154.6632	5396173.9429
KY 1159	78.51' RT. STA. 171 + 95.77	R/W MARKER TYPE 1	ALUMINUM DISK	4149341.0192	5396251.1136	4149226.4549	5396102.1218

RIGHT OF WAY
PLANS

R/W MONUMENT COORDINATES

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\RIGHT OF WAY MONUMENT COORDINATES.DGN

USER: DetJen
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

RIGHT OF WAY MONUMENT POINTS							
				PROJECT GRID COORDINATES		STATE PLANE COORDINATES	
ROUTE	STATION AND OFFSET	TYPE	DESCRIPTION	NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
KY 1159	167.68' RT. STA. 173 + 70.33	R/W MARKER TYPE 1	ALUMINUM DISK	4149527.4896	5396190.7011	4149412.9202	5396041.7110
KY 1159	64.31' LT. STA. 173 + 86.26	R/W MARKER TYPE 1	ALUMINUM DISK	4149374.6750	5396015.4235	4149260.1098	5395866.4382
KY 1159	80.58' RT. STA. 173 + 87.32	R/W MARKER TYPE 1	ALUMINUM DISK	4149477.9040	5396117.1086	4149363.3359	5395968.1205
KY 1159	132.61' RT. STA. 174 + 96.79	R/W MARKER TYPE 1	ALUMINUM DISK	4149592.0900	5396076.4698	4149477.5188	5395927.4828
KY 1159	195.77' RT. STA. 175 + 68.11	R/W MARKER TYPE 1	ALUMINUM DISK	4149410.2611	5395793.8718	4149295.6949	5395644.8926
KY 1159	188.90' RT. STA. 175 + 97.31	R/W MARKER TYPE 1	ALUMINUM DISK	4149435.7683	5395778.0800	4149321.2014	5395629.1013
KY 1159	97.64' LT. STA. 177 + 19.83	R/W MARKER TYPE 1	ALUMINUM DISK	4149586.9263	5395755.9490	4149472.3552	5395606.9709
KY 1159	78.04' RT. STA. 177 + 68.47	R/W MARKER TYPE 1	ALUMINUM DISK	4149745.5602	5395845.7468	4149630.9847	5395696.7662
KY 1159	57.60' LT. STA. 178 + 02.89	R/W MARKER TYPE 1	ALUMINUM DISK	4149673.9637	5395725.5070	4149559.3902	5395576.5297
KY 1159	85.08' LT. STA. 181 + 43.14	R/W MARKER TYPE 1	ALUMINUM DISK	4149932.1657	5395476.5733	4149817.5851	5395327.6029
KY 1159	68.39' LT. STA. 184 + 90.03	R/W MARKER TYPE 1	ALUMINUM DISK	4150270.9435	5395349.7531	4150156.3535	5395200.7862
KY 1159	119.90' LT. STA. 185 + 88.37	R/W MARKER TYPE 1	ALUMINUM DISK	4150345.7792	5395267.7551	4150231.1872	5395118.7905
KY 1159	54.21' LT. STA. 186 + 91.96	R/W MARKER TYPE 1	ALUMINUM DISK	4150465.5710	5395294.0997	4150350.9757	5395145.1343
KY 1159	55.25' LT. STA. 187 + 34.01	R/W MARKER TYPE 1	ALUMINUM DISK	4150504.7392	5395278.7596	4150390.1428	5395129.7947
KY 1159	95.77' LT. STA. 188 + 94.16	R/W MARKER TYPE 1	ALUMINUM DISK	4150641.4142	5395185.9720	4150526.8140	5395037.0096
KY 1159	57.28' LT. STA. 190 + 74.20	R/W MARKER TYPE 1	ALUMINUM DISK	4150816.9224	5395158.0797	4150702.3174	5395009.1181
KY 1159	142.86' LT. STA. 192 + 43.77	R/W MARKER TYPE 1	ALUMINUM DISK	4150902.5500	5395007.8348	4150787.9426	5394858.8774
KY 1159	88.10' LT. STA. 193 + 55.90	R/W MARKER TYPE 1	ALUMINUM DISK	4151013.5361	5394986.7794	4150898.9256	5394837.8225
KY 1159	58.08' LT. STA. 194 + 43.94	R/W MARKER TYPE 1	ALUMINUM DISK	4151096.2154	5394949.1560	4150981.6026	5394800.2002
KY 1159	50.17' LT. STA. 197 + 03.27	R/W MARKER TYPE 1	ALUMINUM DISK	4151287.2820	5394773.6245	4151172.6640	5394624.6735
KY 1159	72.60' LT. STA. 197 + 99.26	R/W MARKER TYPE 1	ALUMINUM DISK	4151342.9296	5394689.6197	4151228.3100	5394540.6710
KY 1159	129.15' LT. STA. 198 + 94.50	R/W MARKER TYPE 1	ALUMINUM DISK	4151386.6536	5394579.3977	4151272.0328	5394430.4521
KY 1159	129.79' LT. STA. 199 + 35.74	R/W MARKER TYPE 1	ALUMINUM DISK	4151423.9245	5394551.4604	4151309.3027	5394402.5156
KY 1159	60.17' LT. STA. 200 + 26.53	R/W MARKER TYPE 1	ALUMINUM DISK	4151545.0852	5394557.1695	4151430.4601	5394408.2245
KY 1159	80.30' LT. STA. 201 + 09.06	R/W MARKER TYPE 1	ALUMINUM DISK	4151614.3104	5394498.7666	4151499.6833	5394349.8232
KY 1159	64.01' LT. STA. 203 + 34.70	R/W MARKER TYPE 1	ALUMINUM DISK	4151839.0450	5394432.2550	4151724.4117	5394283.3134
KY 1159	255.01' LT. STA. 204 + 13.70	P/E BREAK POINT	N/A	4151852.7521	5394226.0228	4151738.1185	5394077.0869
KY 1159	295.61' LT. STA. 204 + 14.97	P/E BREAK POINT	N/A	4151840.9566	5394187.1574	4151726.3233	5394038.2226
KY 1159	305.07' LT. STA. 204 + 35.62	P/E BREAK POINT	N/A	4151857.4904	5394171.5778	4151742.8566	5394022.6434
KY 1159	180.04' LT. STA. 204 + 67.95	R/W MARKER TYPE 1	ALUMINUM DISK	4151928.1420	5394279.6831	4151813.5063	5394130.7458
KY 1159	150.57' LT. STA. 204 + 72.59	R/W MARKER TYPE 1	ALUMINUM DISK	4151941.9703	5394306.1196	4151827.3342	5394157.1815
KY 1159	287.30' LT. STA. 204 + 73.37	P/E BREAK POINT	N/A	4151898.9487	5394176.3315	4151784.3138	5394027.3970
KY 1159	200.72' LT. STA. 205 + 13.06	R/W MARKER TYPE 1	ALUMINUM DISK	4151964.2632	5394245.6467	4151849.6265	5394096.7103
KY 1159	164.28' LT. STA. 205 + 72.26	R/W MARKER TYPE 1	ALUMINUM DISK	4152032.0156	5394261.2243	4151917.3770	5394112.2875
KY 1159	86.83' RT. STA. 205 + 96.21	R/W MARKER TYPE 1	ALUMINUM DISK	4152135.0760	5394491.4540	4152020.4346	5394342.5108
KY 1159	63.49' RT. STA. 206 + 02.08	R/W MARKER TYPE 1	ALUMINUM DISK	4152133.1638	5394467.4642	4152018.5224	5394318.5217
KY 1159	106.84' LT. STA. 206 + 27.60	R/W MARKER TYPE 1	ALUMINUM DISK	4152102.8236	5394297.9339	4151988.1831	5394148.9961
KY 1159	41.02' RT. STA. 206 + 97.70	R/W MARKER TYPE 1	ALUMINUM DISK	4152216.5636	5394415.5680	4152101.9199	5394266.6269
KY 1159	59.40' LT. STA. 207 + 00.05	R/W MARKER TYPE 1	ALUMINUM DISK	4152186.6533	5394319.6846	4152072.0104	5394170.7462
KY 1159	78.66' RT. STA. 207 + 13.61	R/W MARKER TYPE 1	ALUMINUM DISK	4152243.6871	5394446.1362	4152129.0427	5394297.1943
KY 1159	48.50' RT. STA. 207 + 33.00	R/W MARKER TYPE 1	ALUMINUM DISK	4152252.4026	5394411.3579	4152137.7579	5394262.4169

RIGHT OF WAY
PLANS

R/W MONUMENT COORDINATES

RIGHT OF WAY MONUMENT POINTS							
				PROJECT GRID COORDINATES		STATE PLANE COORDINATES	
ROUTE	STATION AND OFFSET	TYPE	DESCRIPTION	NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
KY 1159	82.09' LT. STA. 207 + 52.46	R/W MARKER TYPE 1	ALUMINUM DISK	4152229.0406	5394281.4084	4152114.3966	5394132.4710
KY 1159	99.36' LT. STA. 207 + 99.36	R/W MARKER TYPE 1	ALUMINUM DISK	4152269.9673	5394256.0232	4152155.3221	5394107.0865
KY 1159	105.87' LT. STA. 210 + 00.00	R/W MARKER TYPE 1	ALUMINUM DISK	4152455.9431	5394179.6480	4152341.2928	5394030.7134
KY 1159	57.95' LT. STA. 210 + 51.04	R/W MARKER TYPE 1	ALUMINUM DISK	4152519.6391	5394208.7072	4152404.9870	5394059.7718
KY 1159	158.20' LT. STA. 212 + 03.47	R/W MARKER TYPE 1	ALUMINUM DISK	4152631.9583	5394064.9420	4152517.3031	5393916.0106
KY 1159	172.60' LT. STA. 212 + 69.14	R/W MARKER TYPE 1	ALUMINUM DISK	4152689.5610	5394030.2773	4152574.9043	5393881.3468
KY 1159	68.31' LT. STA. 214 + 36.84	R/W MARKER TYPE 1	ALUMINUM DISK	4152881.8174	5394075.3973	4152767.1553	5393926.4656
KY 1159	58.68' LT. STA. 215 + 67.93	R/W MARKER TYPE 1	ALUMINUM DISK	4153009.0950	5394042.5673	4152894.4294	5393893.6365
KY 1159	179.45' LT. STA. 218 + 51.34	R/W MARKER TYPE 1	ALUMINUM DISK	4153235.6485	5393837.0938	4153120.9767	5393688.1687
KY 1159	146.87' RT. STA. 219 + 24.48	R/W MARKER TYPE 1	ALUMINUM DISK	4153415.0624	5394119.2712	4153300.3856	5393970.3383
KY 1159	175.52' LT. STA. 219 + 75.01	R/W MARKER TYPE 1	ALUMINUM DISK	4153351.1535	5393799.2815	4153236.4785	5393650.3574
KY 1159	72.56' RT. STA. 220 + 82.95	R/W MARKER TYPE 1	ALUMINUM DISK	4153539.1057	5393993.5656	4153424.4255	5393844.6362
KY 1159	70.00' LT. STA. 220 + 89.91	R/W MARKER TYPE 1	ALUMINUM DISK	4153494.5838	5393857.9636	4153379.9048	5393709.0379
KY 1159	69.90' LT. STA. 221 + 43.70	R/W MARKER TYPE 1	ALUMINUM DISK	4153544.4290	5393838.7795	4153429.7487	5393689.8543
KY 1159	72.48' RT. STA. 222 + 52.10	R/W MARKER TYPE 1	ALUMINUM DISK	4153697.4440	5393931.3864	4153582.7594	5393782.4587
KY 1159	110.88' LT. STA. 222 + 70.57	R/W MARKER TYPE 1	ALUMINUM DISK	4153646.7698	5393754.1964	4153532.0866	5393605.2736
KY 1159	66.09' RT. STA. 223 + 27.62	R/W MARKER TYPE 1	ALUMINUM DISK	4153765.2411	5393897.5056	4153650.5547	5393748.5788
KY 1159	54.88' RT. STA. 224 + 26.81	R/W MARKER TYPE 1	ALUMINUM DISK	4153853.2516	5393850.3975	4153738.5627	5393701.4720
KY 1159	83.05' LT. STA. 224 + 63.30	R/W MARKER TYPE 1	ALUMINUM DISK	4153836.1169	5393708.7533	4153721.4285	5393559.8317
KY 1159	231.25' RT. STA. 226 + 38.54	R/W MARKER TYPE 1	ALUMINUM DISK	4154115.2034	5393935.9240	4154000.5073	5393786.9961
KY 1159	141.79' LT. STA. 227 + 28.91	R/W MARKER TYPE 1	ALUMINUM DISK	4154079.4371	5393433.3434	4153964.7420	5393284.4294
KY 1159	248.90' LT. STA. 227 + 91.24	R/W MARKER TYPE 1	ALUMINUM DISK	4154061.1552	5393555.9174	4153946.4606	5393407.0000
KY 1159	71.92' LT. STA. 228 + 19.68	R/W MARKER TYPE 1	ALUMINUM DISK	4154171.3314	5393587.2526	4154056.6337	5393438.3344
KY 1159	147.90' RT. STA. 228 + 43.80	R/W MARKER TYPE 1	ALUMINUM DISK	4154275.0644	5393782.5466	4154160.3639	5393633.6230
KY 1159	134.92' LT. STA. 229 + 66.88	R/W MARKER TYPE 1	ALUMINUM DISK	4154284.7818	5393474.2621	4154170.0810	5393325.3470
KY 1159	258.04' RT. STA. 230 + 10.62	R/W MARKER TYPE 1	ALUMINUM DISK	4154470.7979	5393823.1635	4154356.0920	5393674.2388
KY 1159	224.90' RT. STA. 230 + 52.64	R/W MARKER TYPE 1	ALUMINUM DISK	4154497.5768	5393776.8256	4154382.8701	5393627.9021
KY 1159	77.63' LT. STA. 233 + 47.04	R/W MARKER TYPE 1	ALUMINUM DISK	4154659.1618	5393386.8426	4154544.4507	5393237.9299
KY 1159	72.20' RT. STA. 233 + 72.51	R/W MARKER TYPE 1	ALUMINUM DISK	4154738.2557	5393516.6174	4154623.5424	5393367.7011
KY 1159	172.80' LT. STA. 234 + 44.93	R/W MARKER TYPE 1	ALUMINUM DISK	4154714.9003	5393262.2081	4154600.1876	5393113.2988
KY 1159	168.96' LT. STA. 234 + 69.12	R/W MARKER TYPE 1	ALUMINUM DISK	4154738.7962	5393256.8324	4154624.0829	5393107.9233
KY 1159	164.06' LT. STA. 234 + 99.92	R/W MARKER TYPE 1	ALUMINUM DISK	4154769.2211	5393249.9879	4154654.5069	5393101.0790
KY 1159	162.88' LT. STA. 235 + 07.32	R/W MARKER TYPE 1	ALUMINUM DISK	4154776.5304	5393248.3435	4154661.8160	5393099.4346
KY 1159	76.88' LT. STA. 235 + 90.13	R/W MARKER TYPE 1	ALUMINUM DISK	4154885.2798	5393297.6148	4154770.5624	5393148.7046
KY 1159	58.23' RT. STA. 235 + 93.03	R/W MARKER TYPE 1	ALUMINUM DISK	4154937.9614	5393422.0569	4154823.2426	5393273.1432
KY 1159	139.85' LT. STA. 236 + 78.53	R/W MARKER TYPE 1	ALUMINUM DISK	4154944.1195	5393206.4044	4154829.4005	5393057.4967
KY 1159	325.62' RT. STA. 238 + 30.00	R/W MARKER TYPE 1	ALUMINUM DISK	4155264.2771	5393579.4801	4155149.5493	5393430.5621
KY 1159	130.14' LT. STA. 238 + 71.50	R/W MARKER TYPE 1	ALUMINUM DISK	4155118.5639	5393145.3652	4155003.8401	5392996.4592
KY 1159	207.57' RT. STA. 240 + 90.58	R/W MARKER TYPE 1	ALUMINUM DISK	4155486.6893	5393314.7683	4155371.9553	5393165.8576
KY 1159	212.07' LT. STA. 242 + 25.56	R/W MARKER TYPE 1	ALUMINUM DISK	4155314.6191	5392909.9330	4155199.8899	5392761.0335
KY 1159	106.02' LT. STA. 242 + 79.00	R/W MARKER TYPE 1	ALUMINUM DISK	4155422.3827	5392951.0224	4155307.6505	5392802.1217

RIGHT OF WAY
PLANS

R/W MONUMENT COORDINATES

FILE NAME: J:\173282A - KY 1159\CADD\FINAL DESIGN\GEOMETRIC DATA\RIGHT OF WAY MONUMENT COORDINATES.DGN

USER: DetJen
DATE PLOTTED: December 3, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BRACKEN	6-8311.00	R44

RIGHT OF WAY MONUMENT POINTS

[illegible]

RIGHT OF WAY PLANS

R/W MONUMENT COORDINATES