

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	RI

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2g	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R12	PLAN AND PROFILE SHEETS
R13	RIGHT OF WAY SUMMARY SHEETS
R14	RIGHT OF WAY STRIP MAP SHEETS
R15 - R15e	DETAIL SHEETS
R16 - R16c	TRAFFIC CONTROL SHEETS
R17 - R17d	EROSION CONTROL SHEETS
R18	COORDINATE CONTROL SHEETS
R19, R20	PIPE DRAINAGE SHEETS
<b>T1- T8</b>	TRAFFIC PLANS
X1 - X24	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS  
R2a-R2g, R15a-R15e, R16a-R16c, R17a-R17d

### STANDARD DRAWINGS

NUMBER	
RBE-100-09	RDP-001-05
RBM-020-08	RDP-005-04
RBM-115-09	RDP-010-08
RBM-120	RDX-210-02
RDB-011-07	RDX-220-04
RDB-100-04	RDX-225
RDB-101-04	RDX-230
RDI-001-09	RG5-001-06
RDI-011-02	RGX-010-03
RDI-020-08	RPM-110-06
RDI-021	TTC-105-02
RDI-025-04	TTC-135-01
RDI-026	TTD-125-01
RDI-040	TTD-120-01
RDI-041	TTS-105-01

TOTAL STANDARD DRAWINGS: 30

# Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

## PLANS OF PROPOSED PROJECT

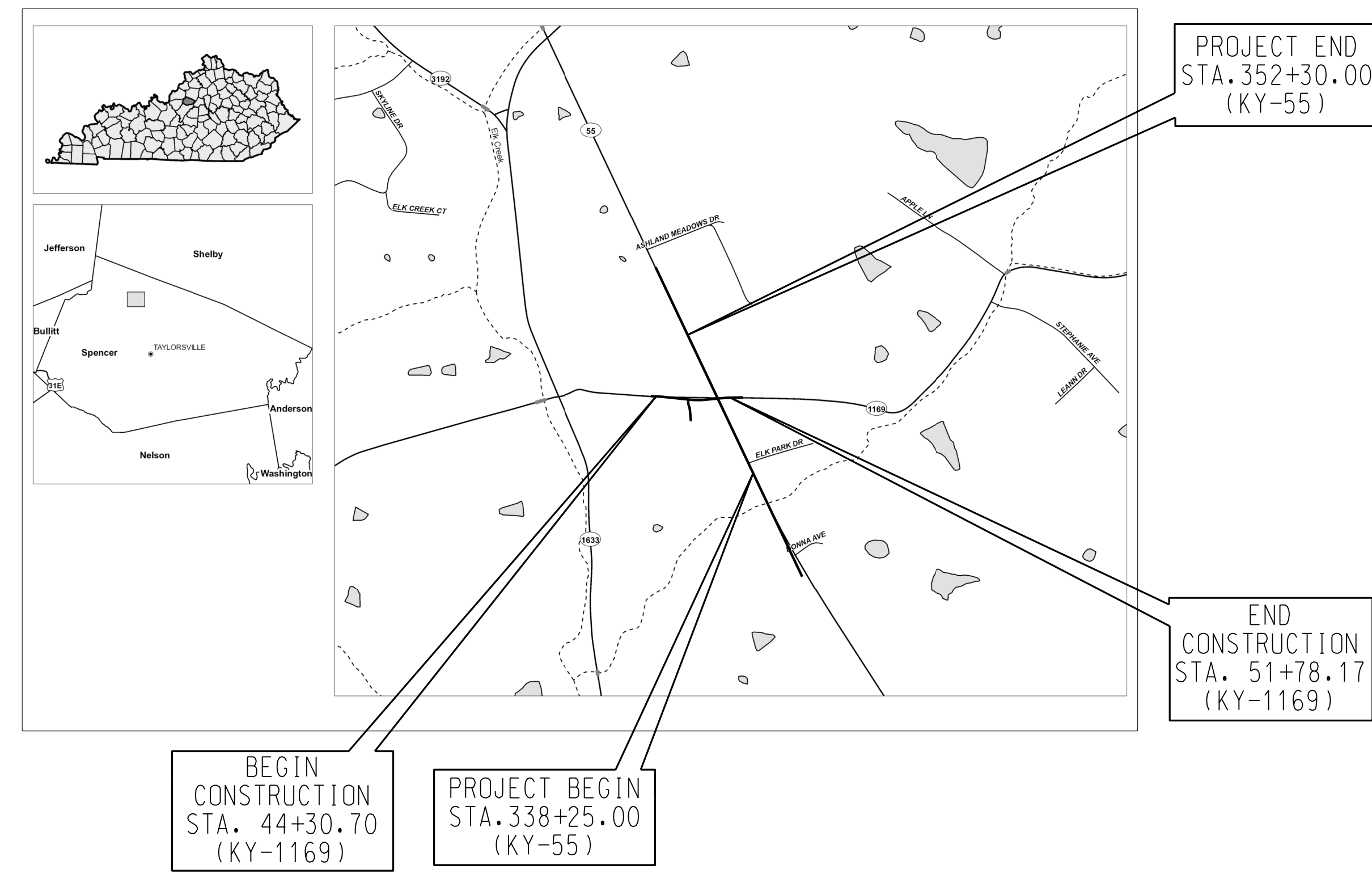
# KY-55 AND NORMANDY RD (KY 1169) INTERSECTION IMPROVEMENT SPENCER COUNTY FD04 SPP 108 0055 010-011



THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

THESE PLANS ARE FOR GRADE, DRAIN & SURFACING

THIS PROJECT IS OFF THE NH SYSTEM



**LAYOUT MAP**

**Commonwealth of Kentucky  
DEPARTMENT OF HIGHWAYS  
COUNTY OF  
SPENCER**



ITEM NO. 5-476.00  
PROJECT NUMBER: **FD04 SPP 108 0055 010-011**  
LETTING DATE: JUNE 27, 2014

RECOMMENDED BY: **PATRICK MATHENY** 5-13-14  
PROJECT MANAGER  
DATE: 5-13-14  
PLAN APPROVED BY: *[Signature]* 5-13-14  
STATE HIGHWAY ENGINEER  
DATE: 5-13-14

### DESIGN CRITERIA

CLASS OF HIGHWAY	Rural Minor Arterial
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55MPH
REQUIRED NPSD	KY55: 495/KY1169: 360
REQUIRED PSD	KY55: 1985/KY1169: 1625
LEVEL OF SERVICE	N/A
ADT PRESENT (2009/2011)	KY55: 11945('09)/KY1169: 949('11)
ADT FUTURE ( )	N/A
DHV	N/A
D %	N/A
T %	N/A

### GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 05 MINUTES 42.05 SECONDS NORTH  
LONGITUDE 85 DEGREES 21 MINUTES 52.10 SECONDS WEST

### DESIGNED

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

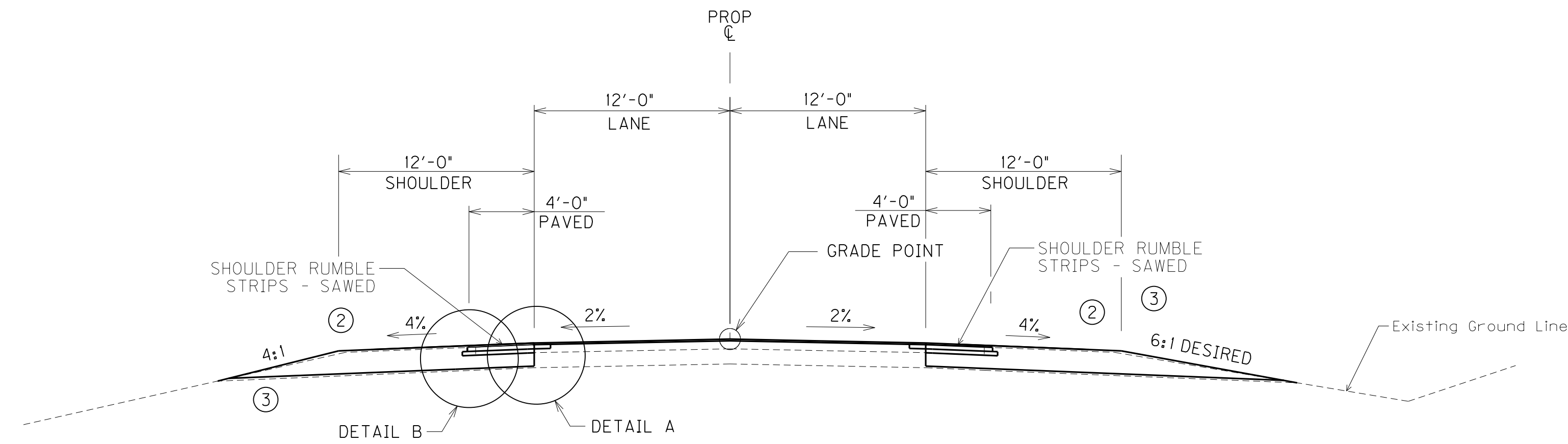
KY-55 BETWEEN MP 10.5 AND MP 10.7  
KY-1169 BETWEEN MP 4.8 AND MP 5.1

LENGTH	ADDED	DEDUCTED	FOR EQUALITIES	NOT INCLUDED	RAILROAD CROSSINGS NO.	BRIDGES
1760.38	0.333					
1244.59	0.24					

FILE NAME: C:\PWORK\ADAM.LUL\CH\AD0872890\00100LS.DGN  
USER: Patrick Matheny  
DATE PLOTTED: May 14, 2014  
E-SHEET NAME:  
MicroStation v8.11.7.443

# TYPICAL SECTIONS

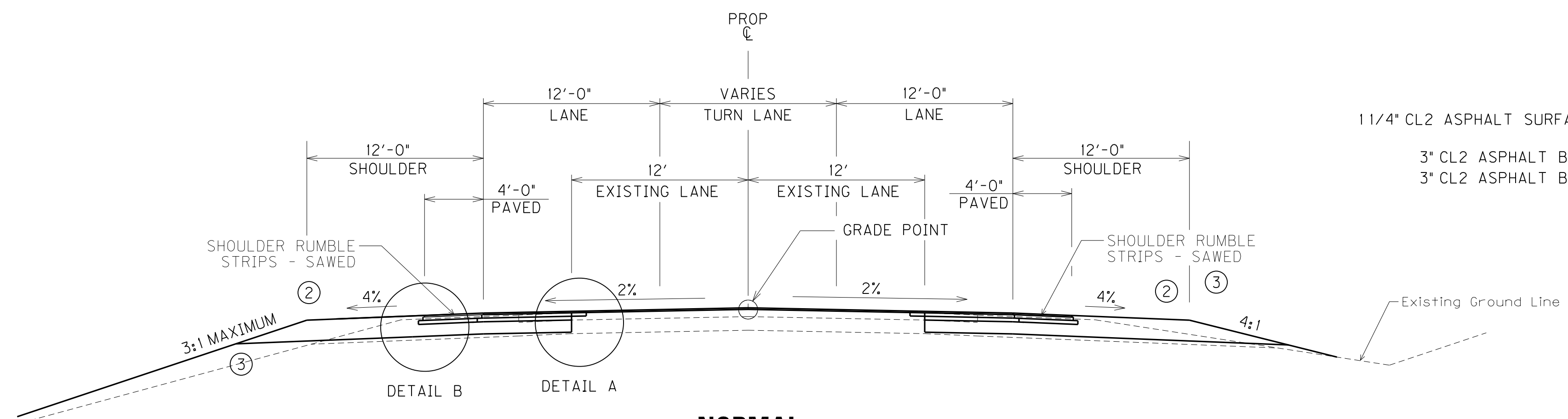
KY 155/55



**NORMAL**

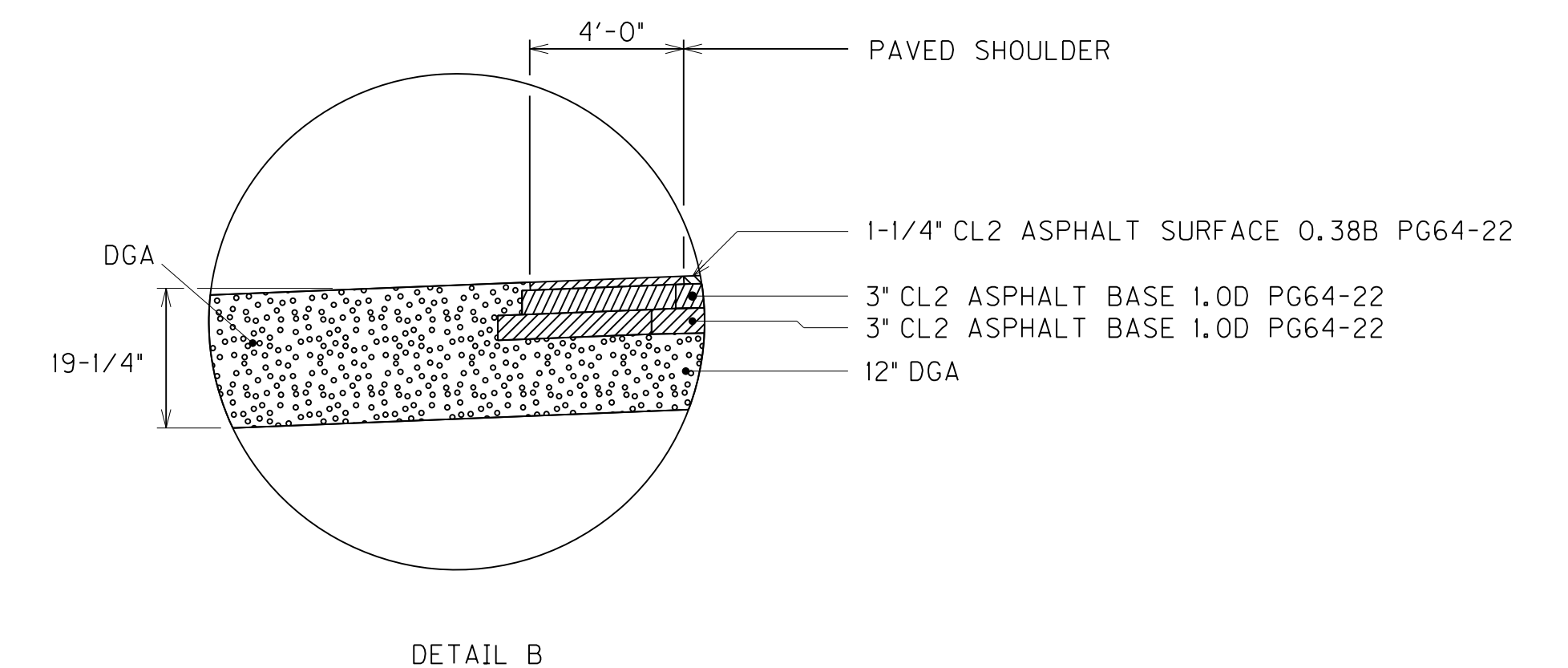
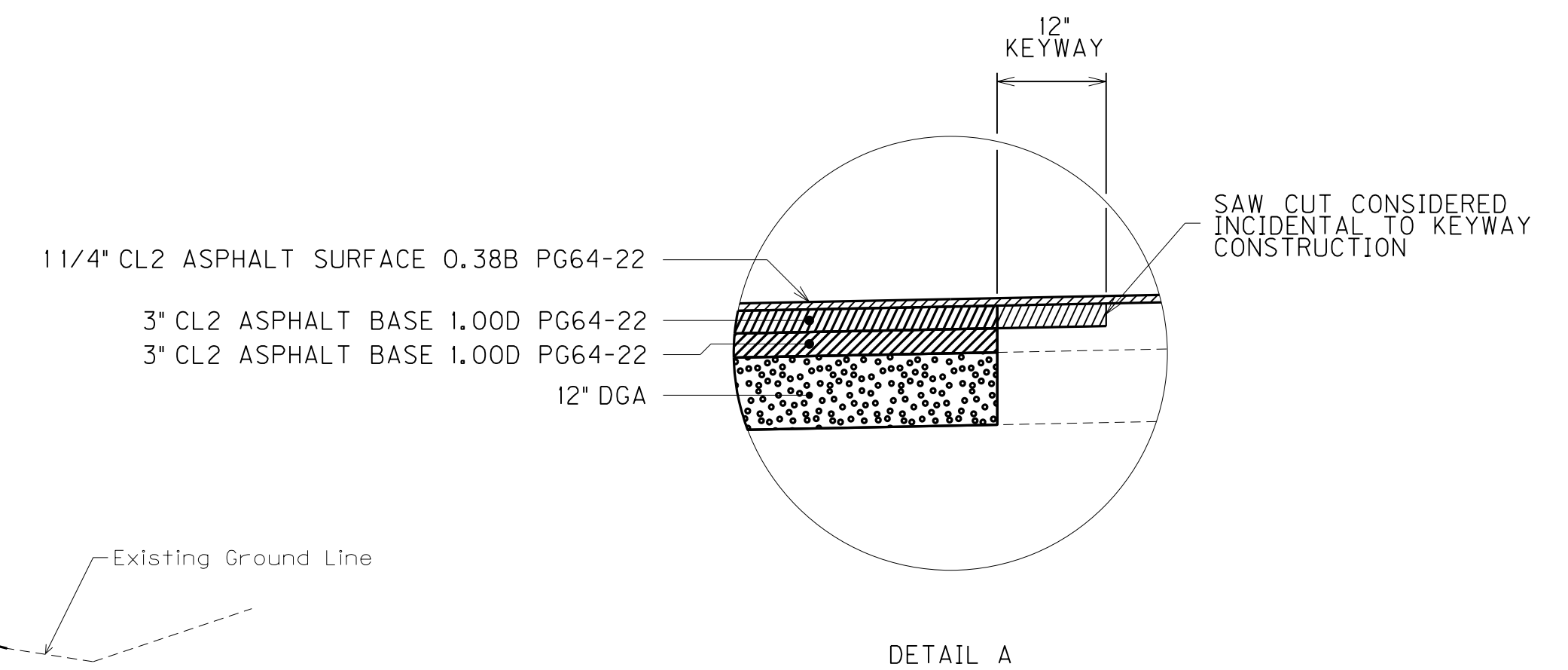
STA 338+25.00 TO STA 340+12.00  
STA 351+80.00 TO STA 352+30.00

- ① CONSTRUCT SUPERELEVATED SHOULDERS TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES SHOWN FOR THE NORMAL SECTION.
- ② ASPHALT SEAL COAT REQUIRED FROM THE OUTSIDE EDGE OF THE PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO (2) APPLICATIONS AT THE RATE OF: 2.40 LBS/SY ITEM 103 ASPHALT SEAL COAT 20 LBS/SY ITEM 100 ASPHALT SEAL AGGREGATE (SIZE NO. 8 OR 9M.)
- ③ SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- ④ ALL EXISTING OUTSIDE PAVED SHOULDERS WHICH ARE TO BE REMOVED, WILL BE REMOVED BY MILLING. ALL MILLINGS WILL BE USED ON THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AS "ROADWAY EXCAVATION".



**NORMAL**

STA 340+12.00 TO STA 343+44.00  
STA 348+51.40 TO STA 351+80.00

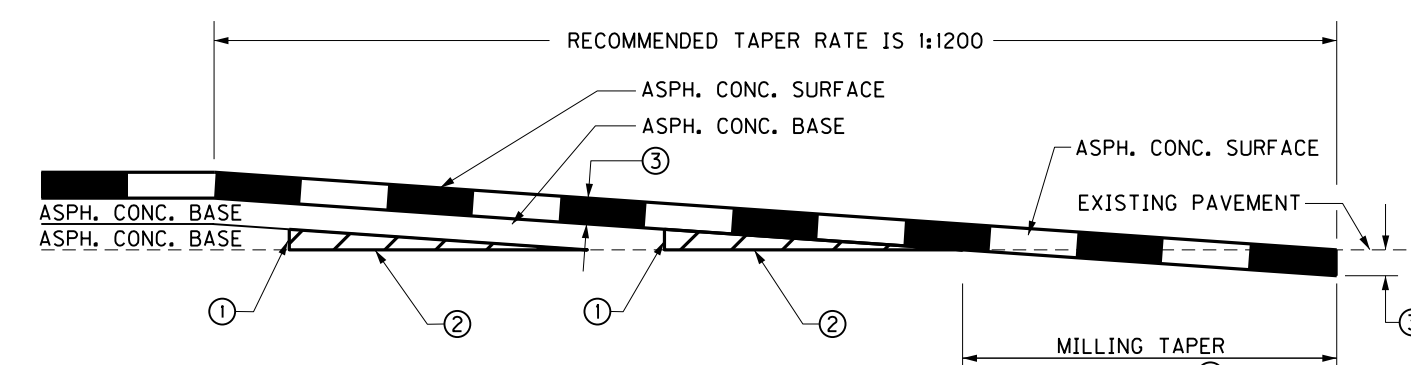


## FLEXIBLE PAVEMENT

DRIVING LANES & SHOULDERS

APPROXIMATELY 18" BASE — [ 12" DENSE GRADED AGGREGATE  
6" COMPACTED DEPTH CL2 ASPHALT BASE 1.00D PG64-22  
(2 - 3" COURSES) ]

APPROXIMATELY 1-1/4" SURFACE — [ 1-1/4" COMPACTED DEPTH CL2 ASPHALT SURFACE 0.38B PG64-22 ]



- ① MINIMUM COMPACTED THICKNESS
- ② ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ③ ASPHALT SURFACE THICKNESS (FULL DEPTH)
- ④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).  
TAPER LENGTH (ft) =  $\frac{T}{12} \times \text{TAPER RATE}$

FOR A TAPER RATE OF 1:1200  
TAPER LENGTH = 125 FEET WHEN T = 1.25 Inches  
TAPER LENGTH = 150 FEET WHEN T = 1.50 Inches

TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)

NOT TO SCALE

TYPICAL SECTIONS

FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\RD0200TS.DGN

USER: Potrick, Mothony  
DATE PLOTTED: May 14, 2014

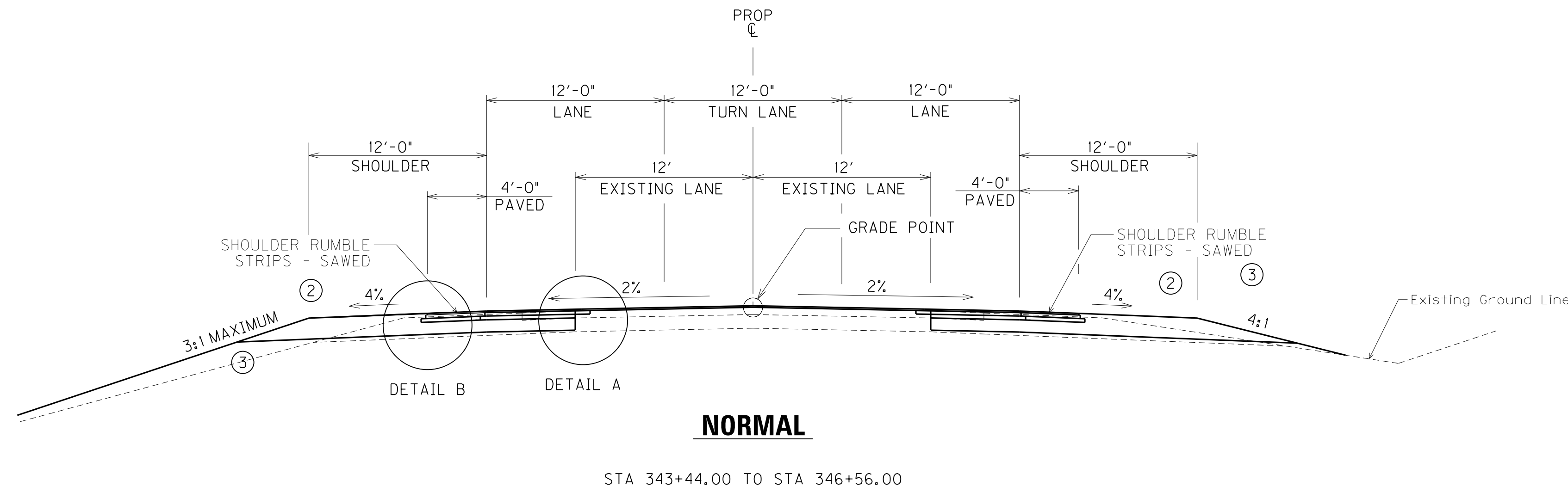
E-SHEET NAME:

MicroStation v8.11.7.443

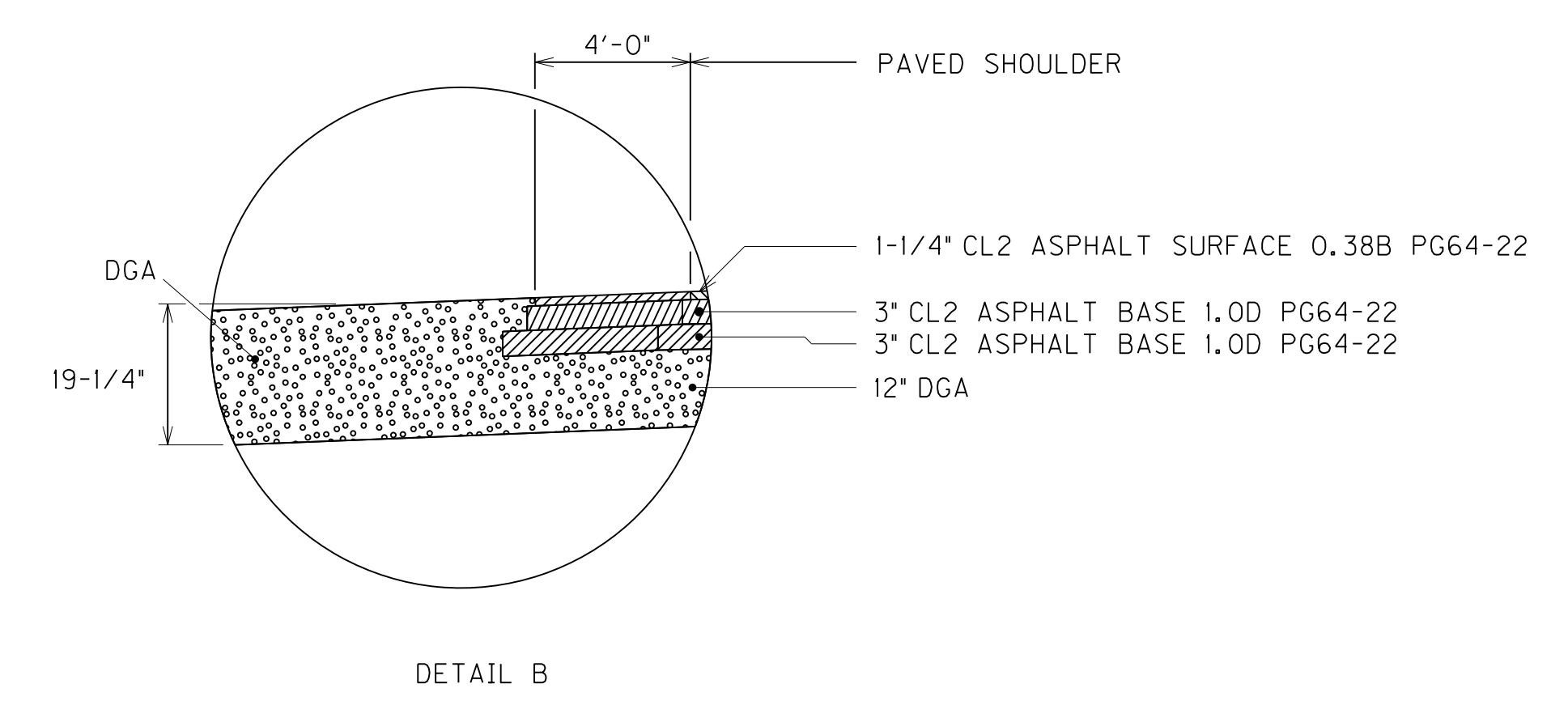
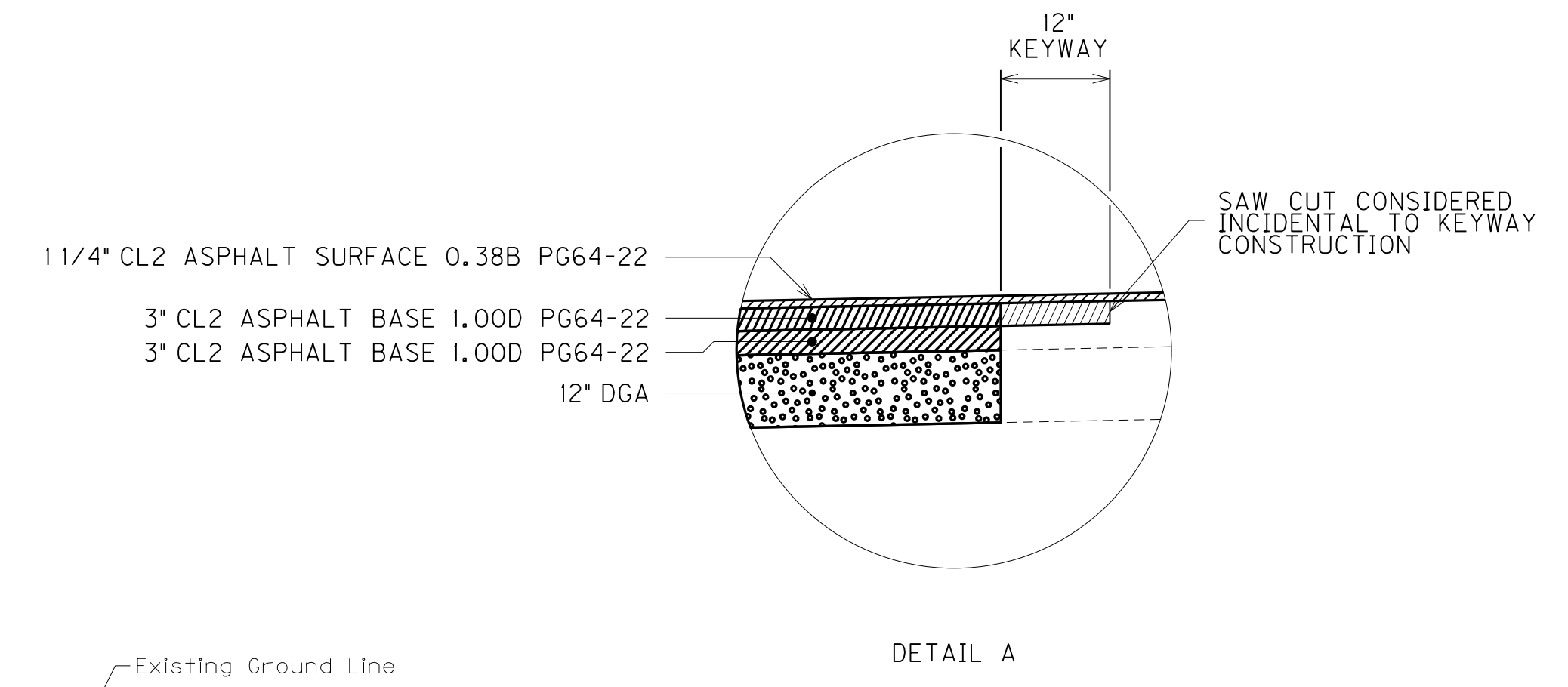
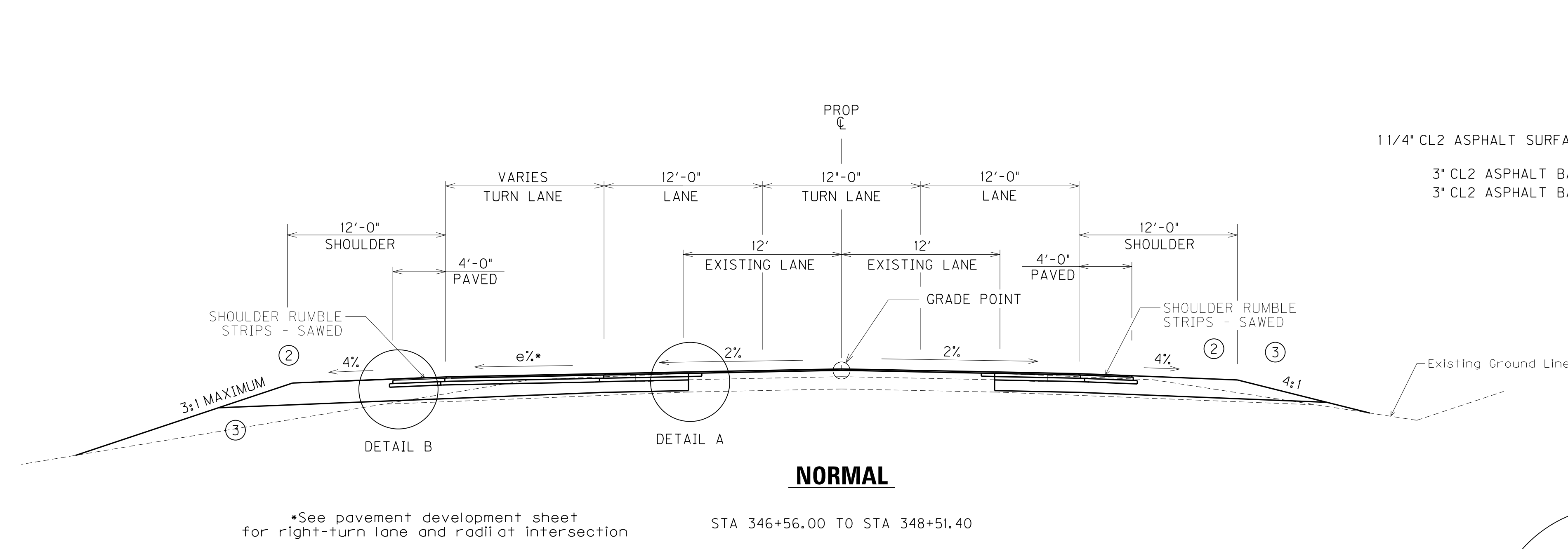
COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476	R2a

# TYPICAL SECTIONS

KY 15555



- ① CONSTRUCT SUPERELEVATED SHOULDERS TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES SHOWN FOR THE NORMAL SECTION.
- ② ASPHALT SEAL COAT REQUIRED FROM THE OUTSIDE EDGE OF THE PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO (2) APPLICATIONS AT THE RATE OF: 2.40 LBS/SY ITEM 103 ASPHALT SEAL COAT 20 LBS/SY ITEM 100 ASPHALT SEAL AGGREGATE (SIZE NO. 8 OR 9M.)
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## FLEXIBLE PAVEMENT

DRIVING LANES & SHOULDERS

- APPROXIMATELY 18" BASE — [ 12" DENSE GRADED AGGREGATE  
6" COMPACTED DEPTH CL2 ASPHALT BASE 1.00D PG64-22  
(2 - 3" COURSES)
- APPROXIMATELY 1-1/4" SURFACE — [ 1-1/4" COMPACTED DEPTH CL2 ASPHALT SURFACE 0.38B PG64-22

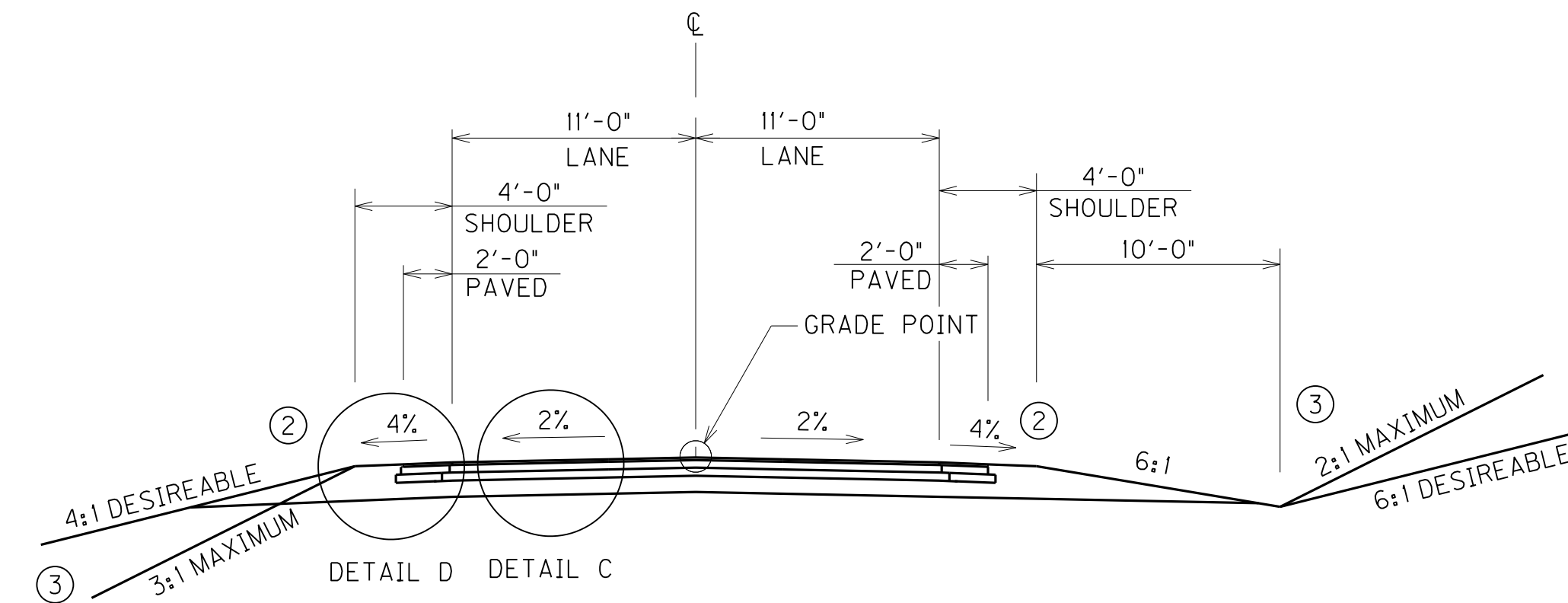
NOT TO SCALE

TYPICAL SECTIONS

FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\R020A.TS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

# TYPICAL SECTIONS

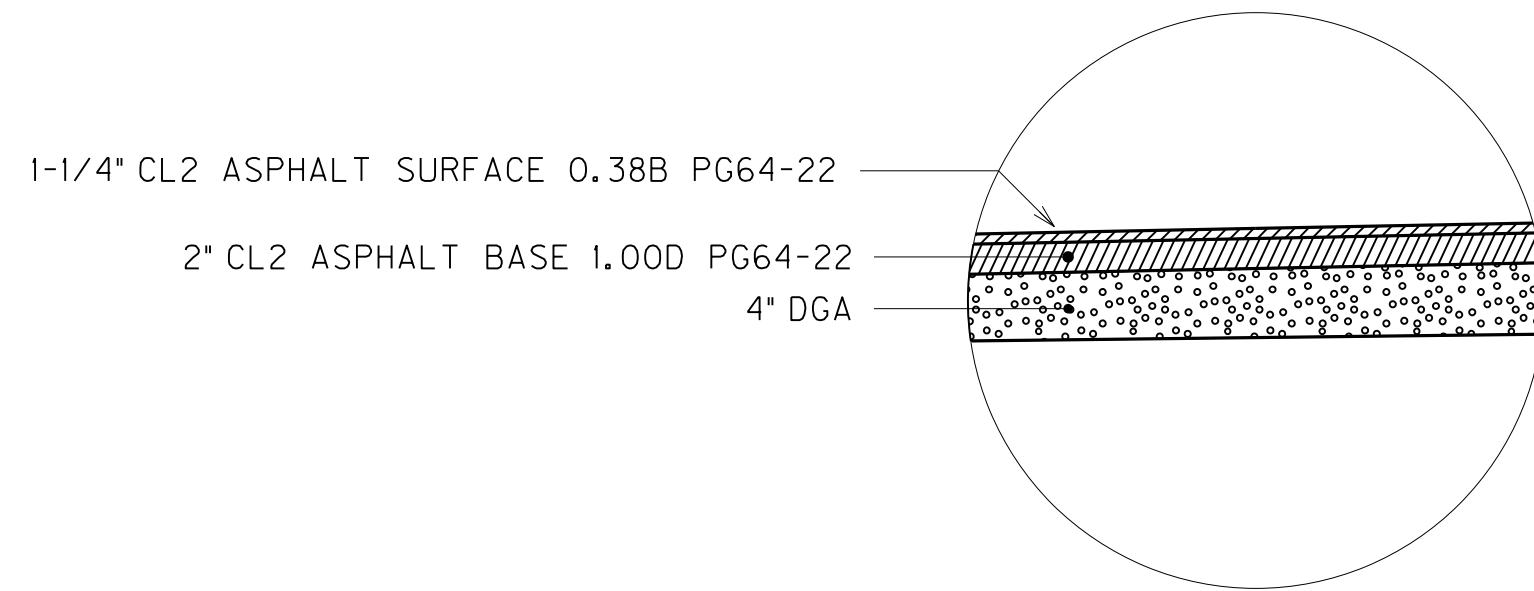
## KY 1169 (PLUM RIDGE RD)



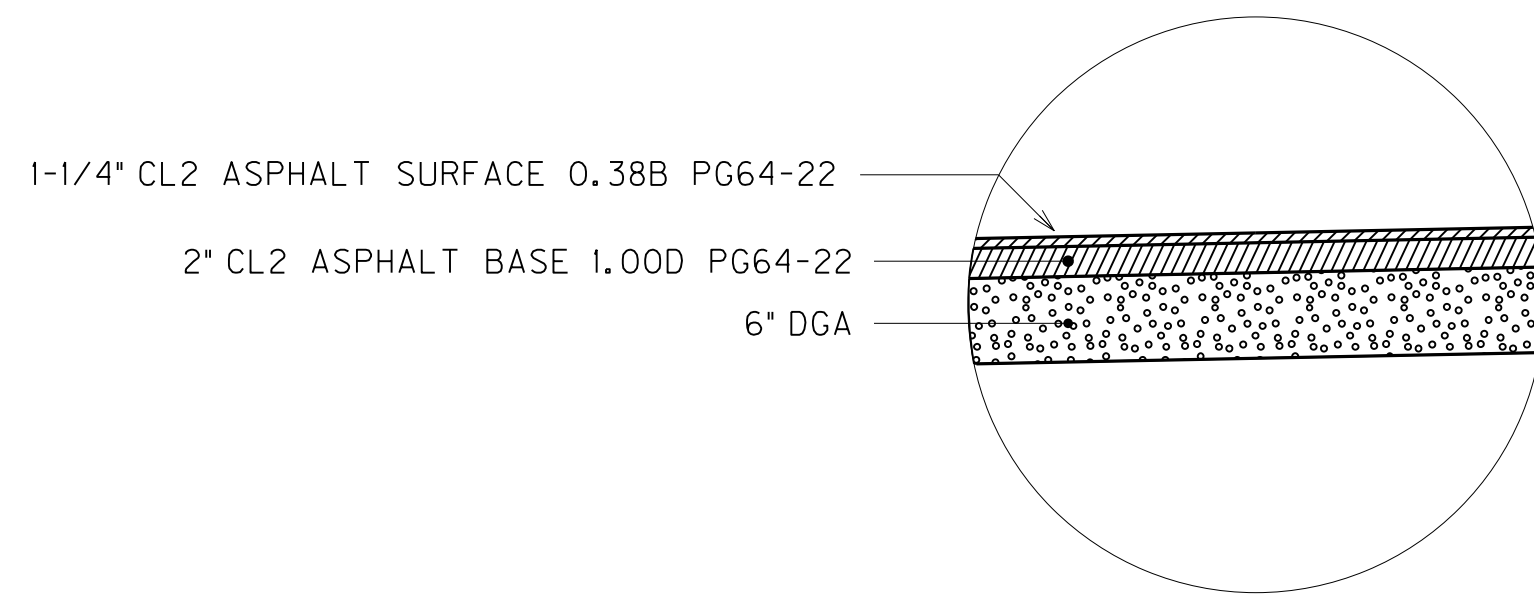
### NORMAL

STA 45+38.89 TO STA 47+19.76  
 STA 49+02.08 TO STA 49+21.58  
 STA 50+88.68 TO STA 51+15.05

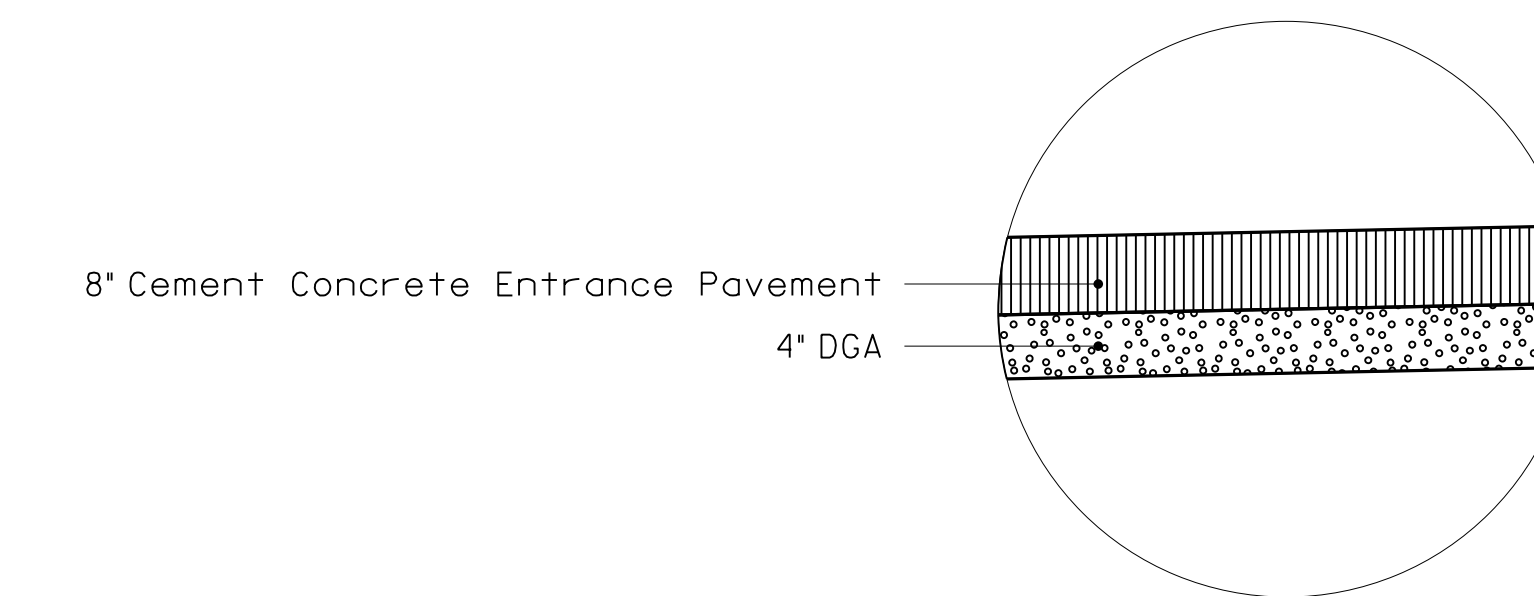
- CONSTRUCT SUPERELEVATED SHOULDERS TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES SHOWN FOR THE NORMAL SECTION.
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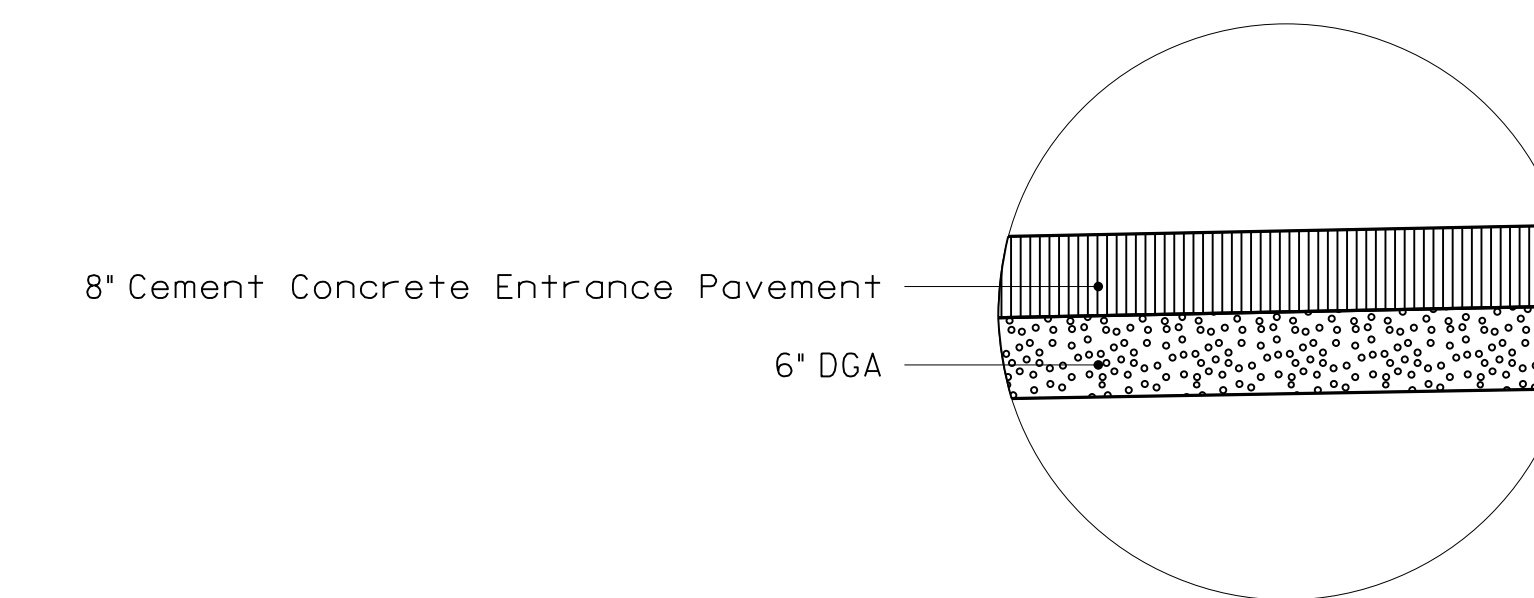
Asphalt Entrance Residential



Asphalt Entrance Commercial

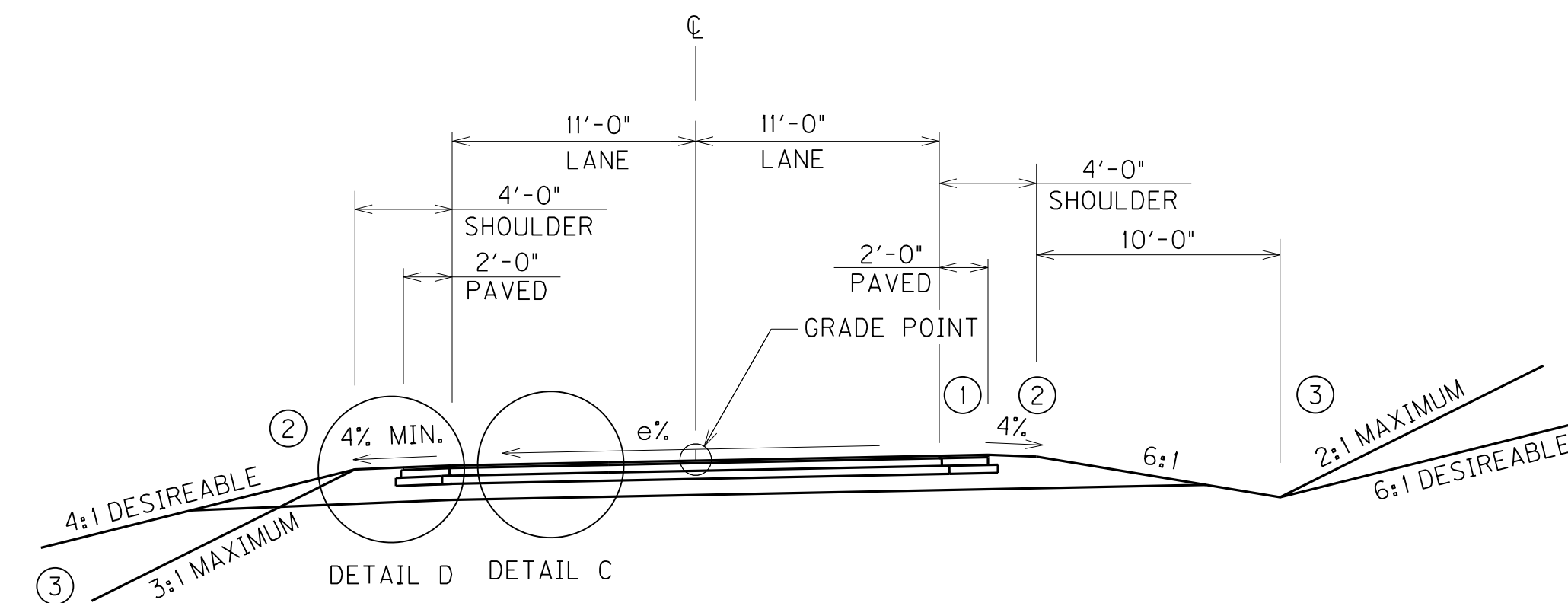


Concrete Entrance Residential



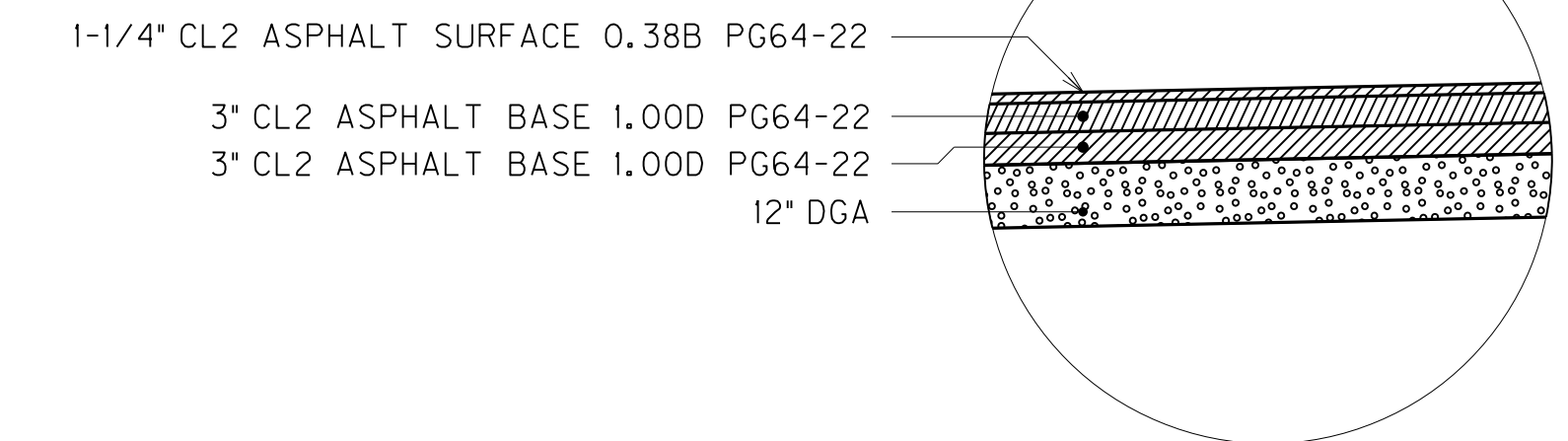
Concrete Entrance Commercial

## KY 1169 (PLUM RIDGE RD)

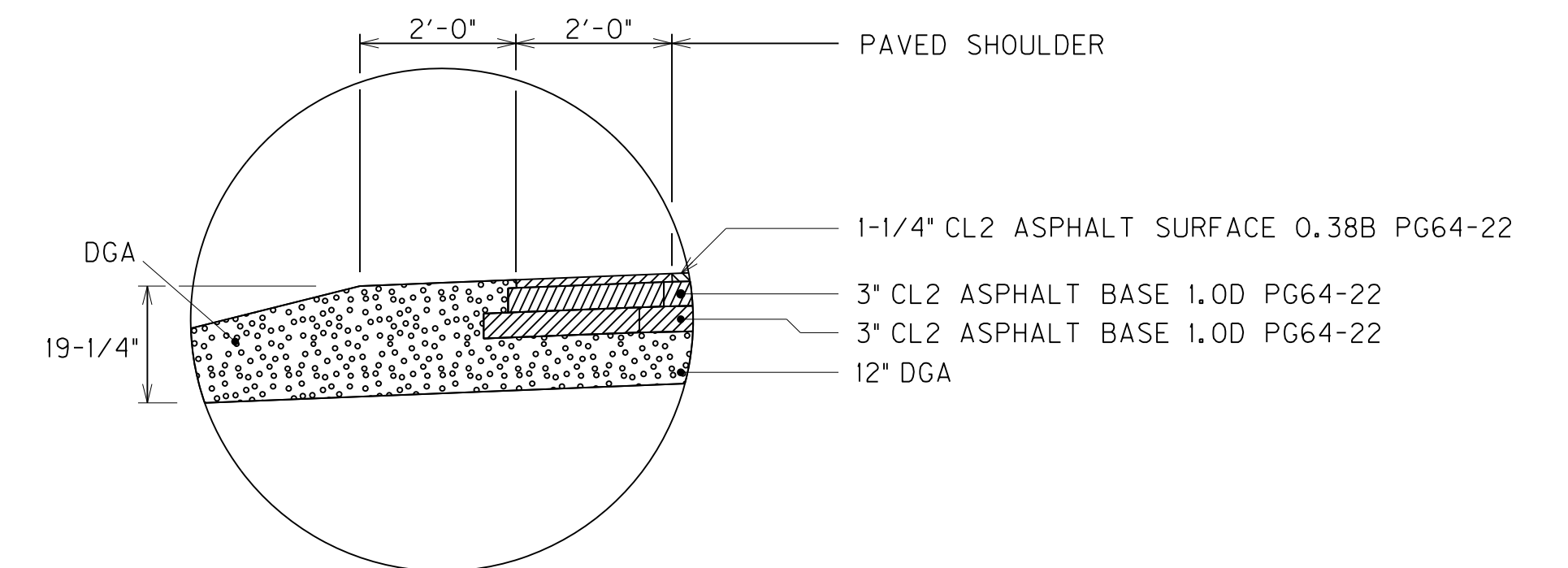


### SUPERELEVATED

STA 44+30.70 TO STA 45+38.89  
 STA 47+19.76 TO STA 49+02.08  
 STA 49+21.58 TO STA 50+00.00



DETAIL C



DETAIL D

## FLEXIBLE PAVEMENT

### DRIVING LANES & SHOULDERS

APPROXIMATELY 18" BASE — [ 12" DENSE GRADED AGGREGATE  
 6" COMPACTED DEPTH CL2 ASPHALT BASE 1.00D PG64-22  
 (2 - 3" COURSES) ]

APPROXIMATELY 1-1/4" SURFACE — [ 1-1/4" COMPACTED DEPTH CL2 ASPHALT SURFACE 0.38B PG64-22 ]

NOT TO SCALE

TYPICAL SECTIONS

FILE NAME: C:\PWORK\ADAM.LULRICH\0872890\R020BTS.DGN

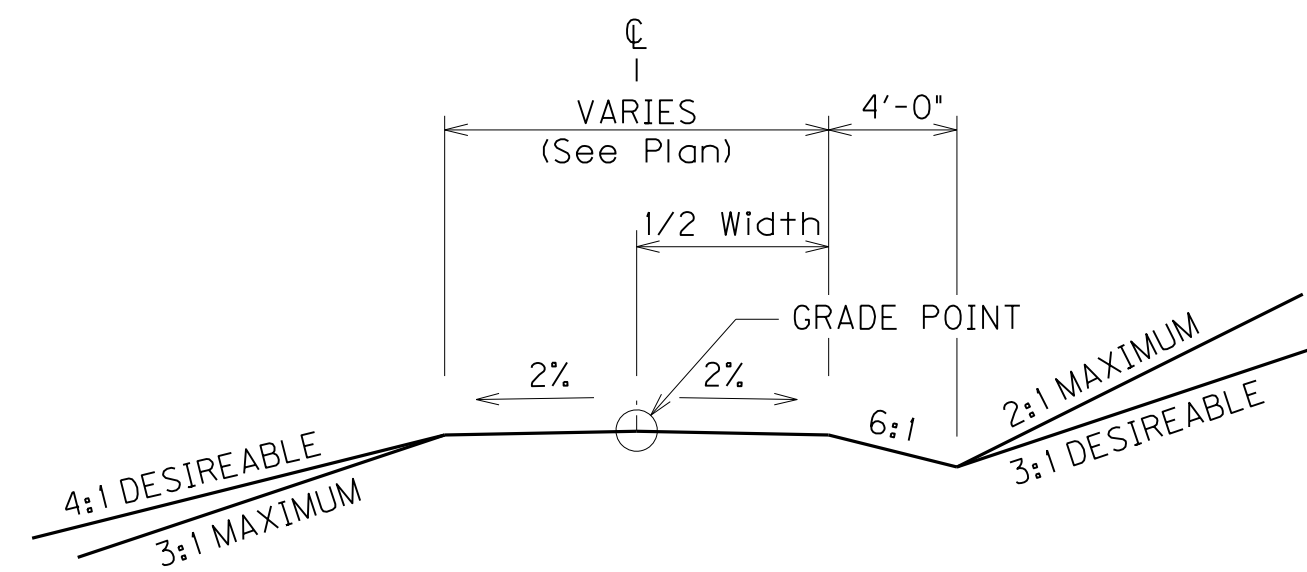
USER: Patrick, Matheny  
 DATE PLOTTED: May 14, 2014

E-SHEET NAME:

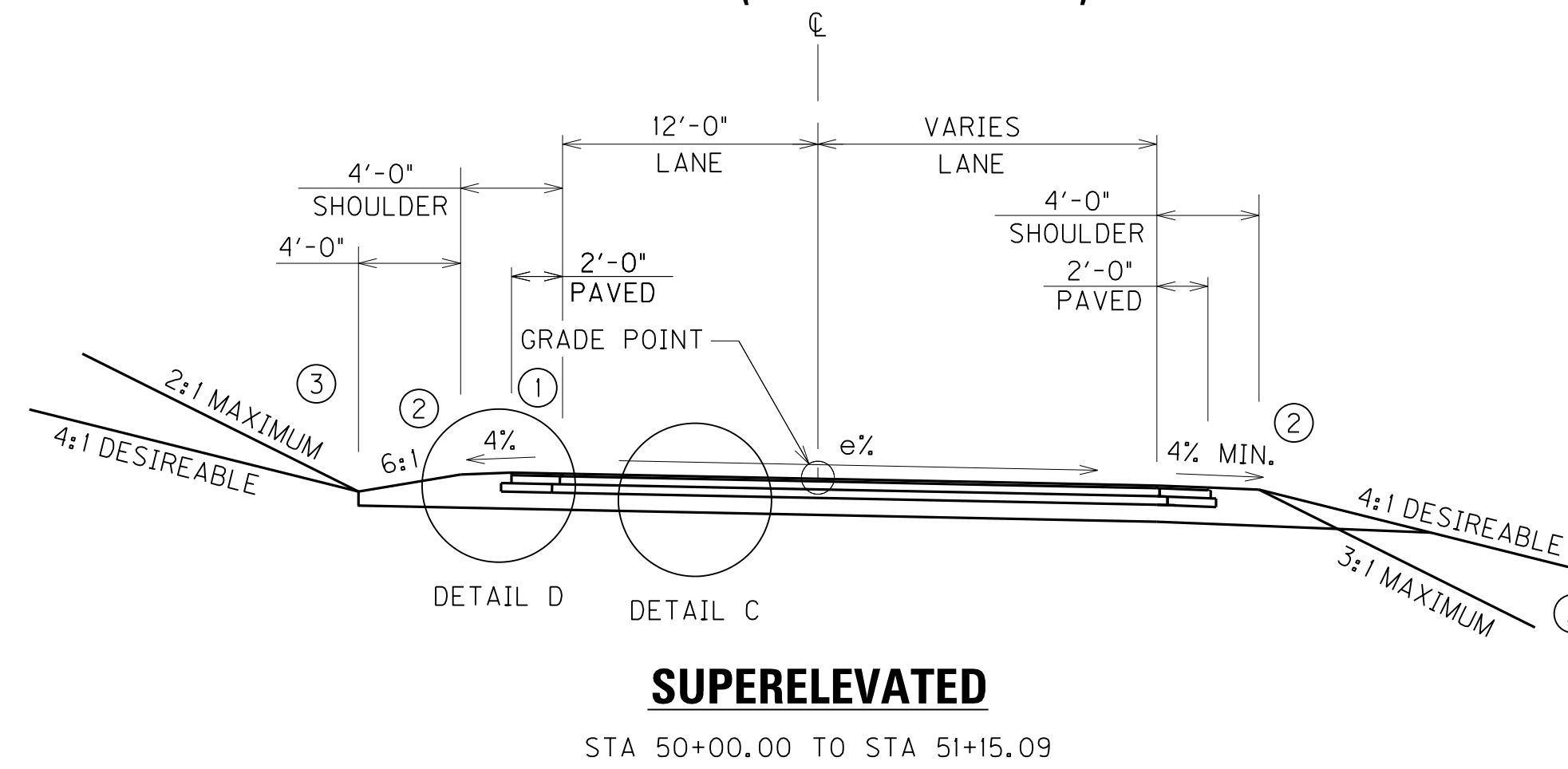
MicroStation v8.11.7.443

# TYPICAL SECTIONS

## ENTRANCE SECTION

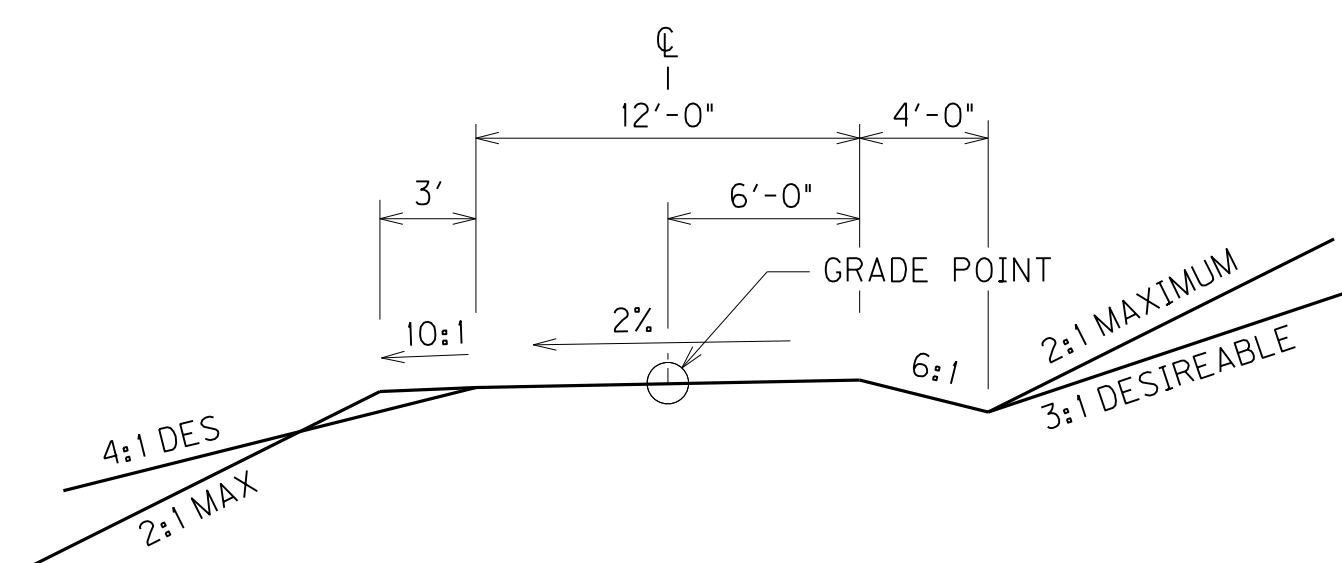


## KY 1169 (NORMANDY RD)

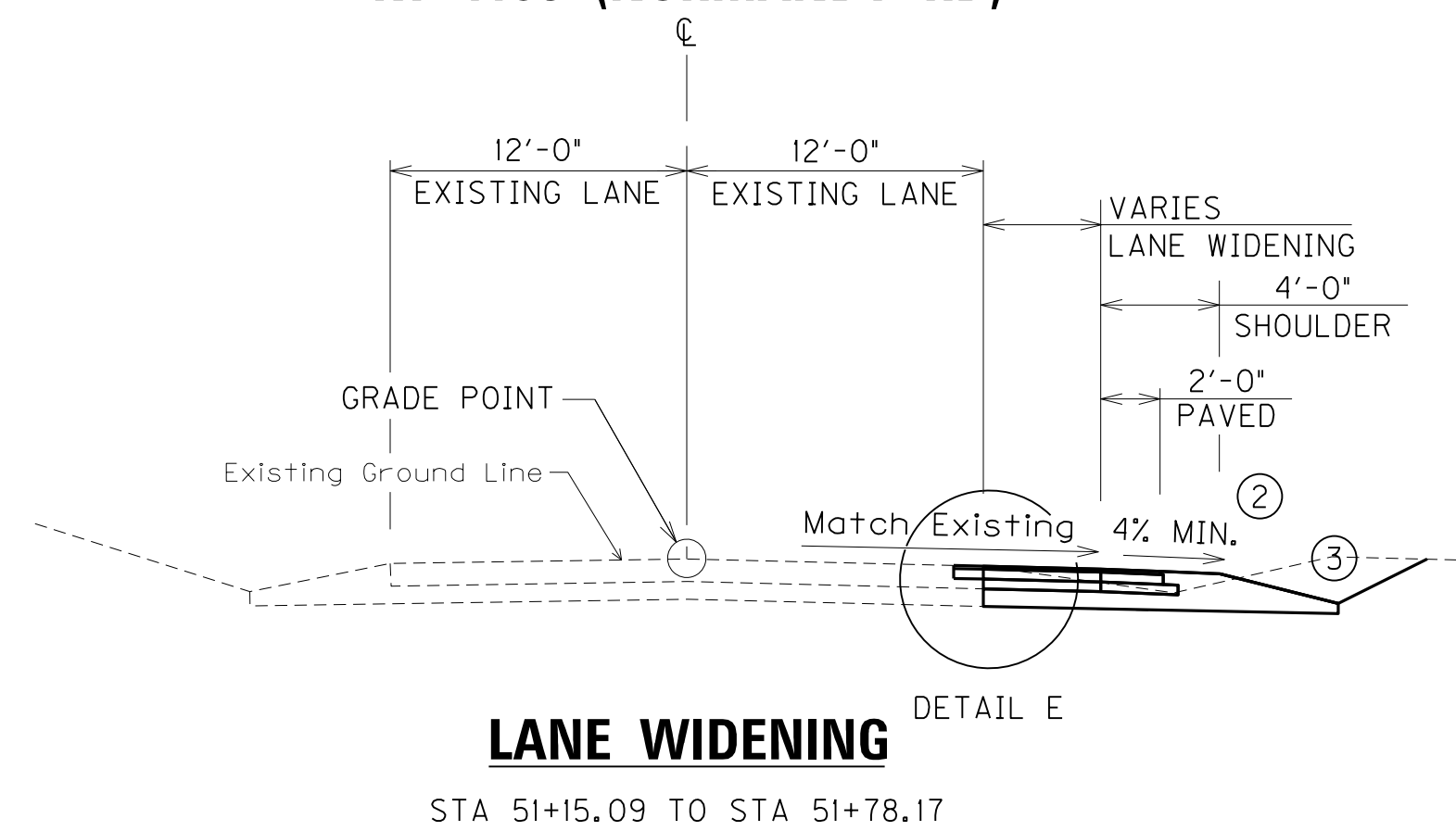


- CONSTRUCT SUPERELEVATED SHOULDERS TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES SHOWN FOR THE NORMAL SECTION.
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## SKINNER LANE



## KY 1169 (NORMANDY RD)

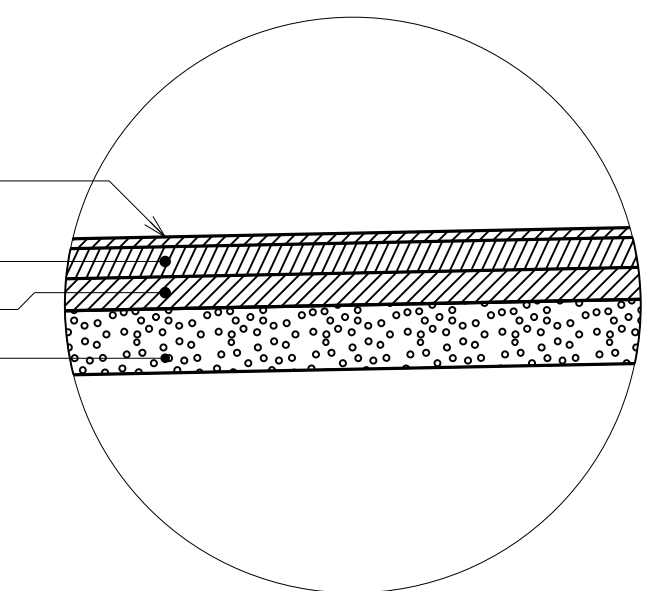


1-1/4" CL2 ASPHALT SURFACE 0.38B PG64-22

3" CL2 ASPHALT BASE 1.00D PG64-22

3" CL2 ASPHALT BASE 1.00D PG64-22

12" DGA

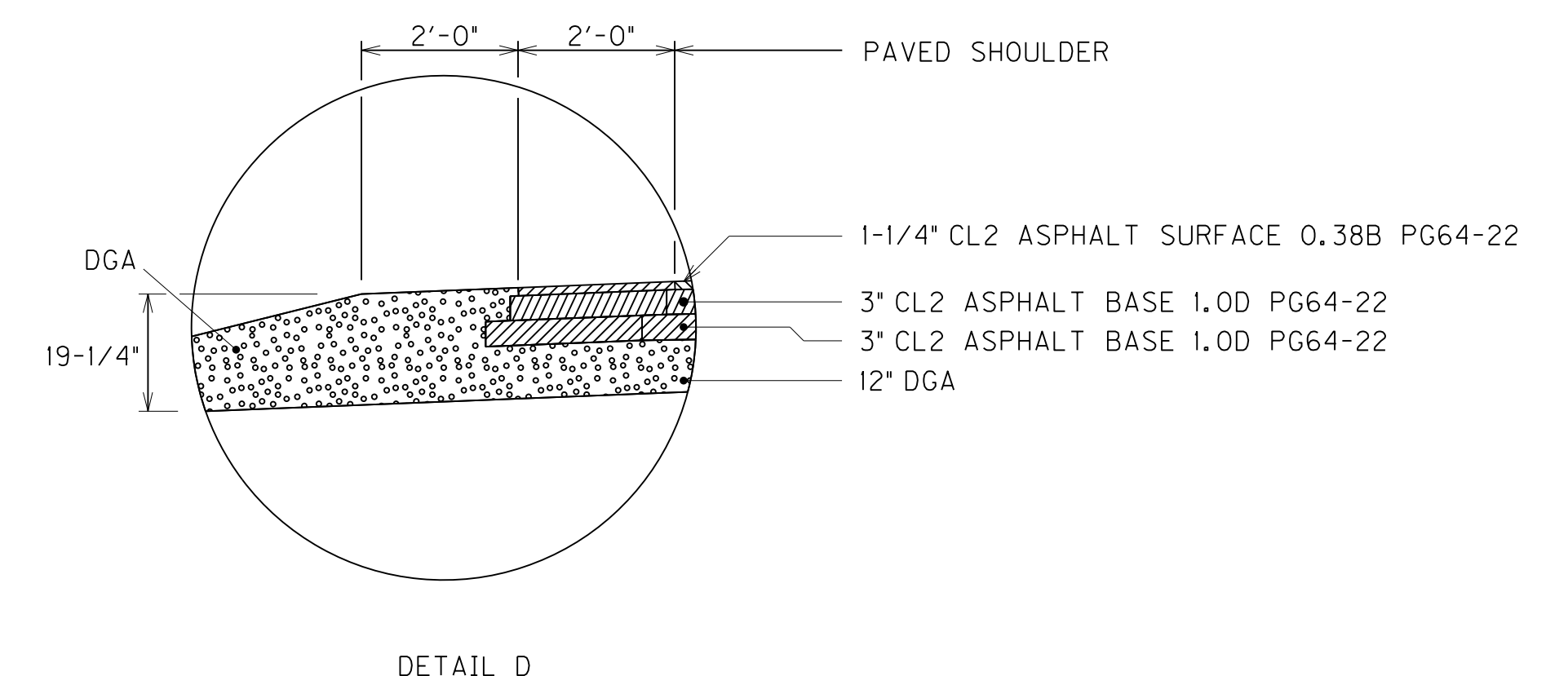


## FLEXIBLE PAVEMENT

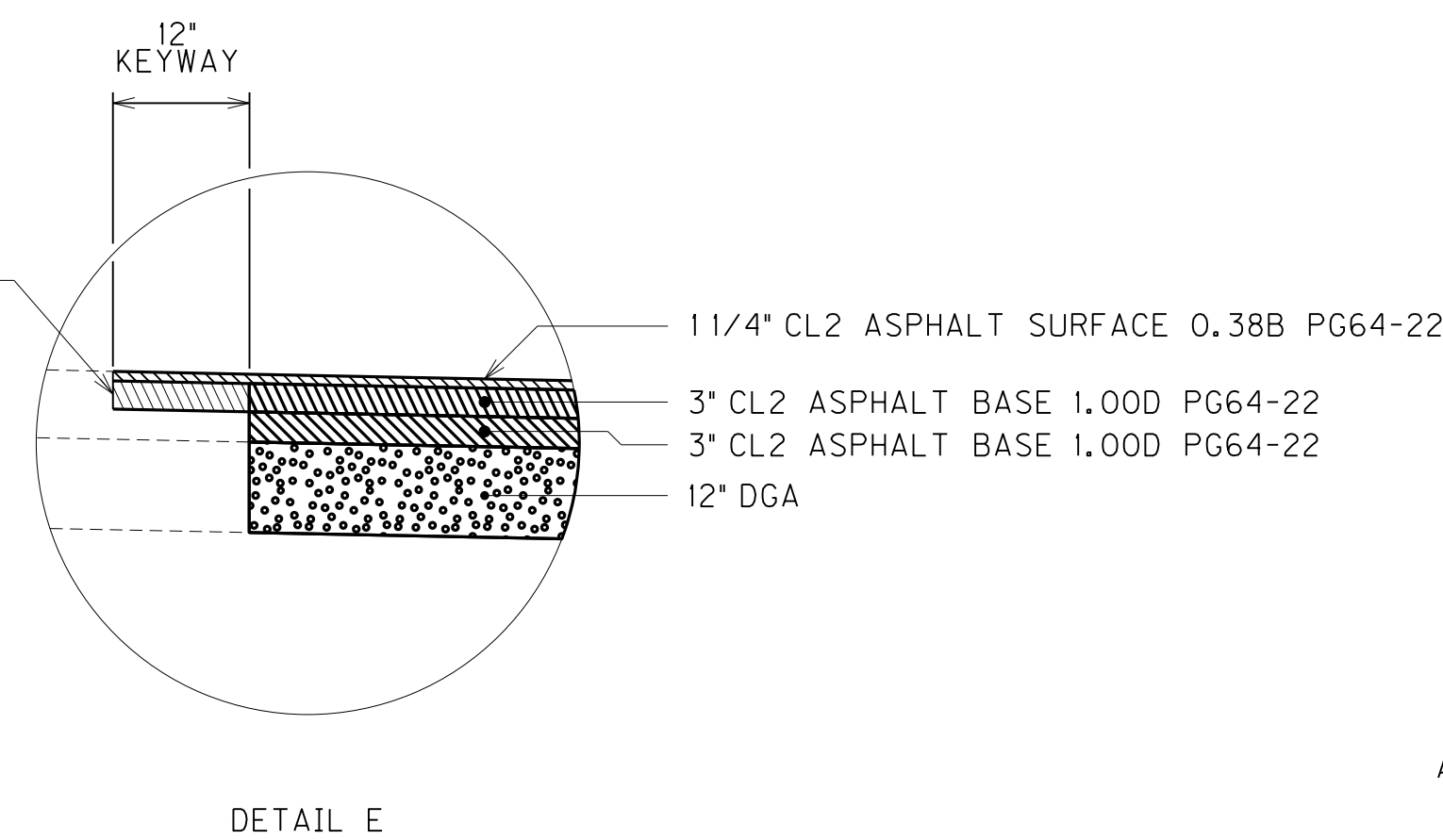
DRIVING LANES & SHOULDERS

APPROXIMATELY 18" BASE — [ 12" DENSE GRADED AGGREGATE  
6" COMPACTED DEPTH CL2 ASPHALT BASE 1.00D PG64-22  
(2 - 3" COURSES)

APPROXIMATELY 1-1/4" SURFACE — [ 1-1/4" COMPACTED DEPTH CL2 ASPHALT SURFACE 0.38B PG64-22



SAW CUT CONSIDERED INCIDENTAL TO KEYWAY CONSTRUCTION



NOT TO SCALE

TYPICAL SECTIONS

FILE NAME: C:\PWORK\ADAM.LULRICH\0872890\RO020CTS.DGN

USER: Patrick, Matthew  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

MicroStation v8.11.7.443





### PIPE DRAINAGE SUMMARY

SHEET NO.	ITEM CODE	SKEW	COVER HEIGHT	DESIGN PH LEVEL	PIPE						DRAINAGE STRUCTURES						REMARKS
					15" ENTRANCE PIPE	18" CULVERT PIPE	18" ENTRANCE PIPE	24" CULVERT PIPE	PERFORATED PIPE - 4"	NONPERFORATED PIPE - 4"	PERF PIPE HEADWALL TYPE 2 - 4" ②	SLOPED BOX OUTLET TYPE 1-18" ③	SLOPED BOX OUTLET TYPE 1-24" ③	DROP BOX INLET TYPE II	GEOTEXTILE FABRIC TYPE IV FOR PIPE ④		
UNIT TO BID					LIN FT						EACH						SQ YD
(KY 1169)																	
Sta. 44+32 to Sta. 44+62 Lt.			2.8'	M	30												
Sta. 49+14		49°14'43" Lt.	9.9'	M			42							1			51
Sta. 49+25									58	12	1						Subgrade Drainage - Outlet thru headwall
Sta. 45+68 to Sta. 46+00 Rt.			1.3'	M	32												
Sta. 50+40									85	19							Subgrade Drainage - Outlet into prop. headwall
Sta. 50+44		50°44'26" Lt.	2.6'	M		42						2					43
(SKINNER LANE)																	
Sta. 60+40		23°54'26" Rt.	5.8'	M				45									
Sta. 60+90		0°	2.7'	M	37												
<b>TOTAL PROJECT</b>					99	42	45	42	143	31	1	2	1	1			94

**NOTES**

- ① For wrapping pipe trench backfill
- ② 1 ton crushed aggregate #2 incidental to perf. pipe headwall
- ③ Removing existing headwalls and pipes considered incidental to placement of new sloped box outlets

REVISION	DATE
PIPE SUMMARY SHEET	

SCALE: 1"=N/A

FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\ROD20FSL.DGN

USER: Patrick Matheny  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

MicroStation v8.11.7.443



COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	R2g

# GENERAL NOTES

165 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.

SPECIAL NOTES

SPECIAL NOTE 11 PORTABLE CHANGEABLE MESSAGE SIGNS (VARIABLE MESSAGE SIGNS ARE TO REMAIN IN POSSESSION OF THE CONTRACTOR. SPECIAL NOTE APPLIES)

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

ROADBED NOTE, EMBANKMENT-IN-PLACE

USE EMBANKMENT-IN-PLACE WITH A MINIMUM C.B.R. VALUE OF 3.0 OR GREATER IN THE TOP 12 INCHES (300 MM) OF ROADBED IN CUT AND FILL SECTIONS.

FILE NAME: G:\PWORK\PATRICK.MATHENY\0979474.R0200GN.MUL.DGN

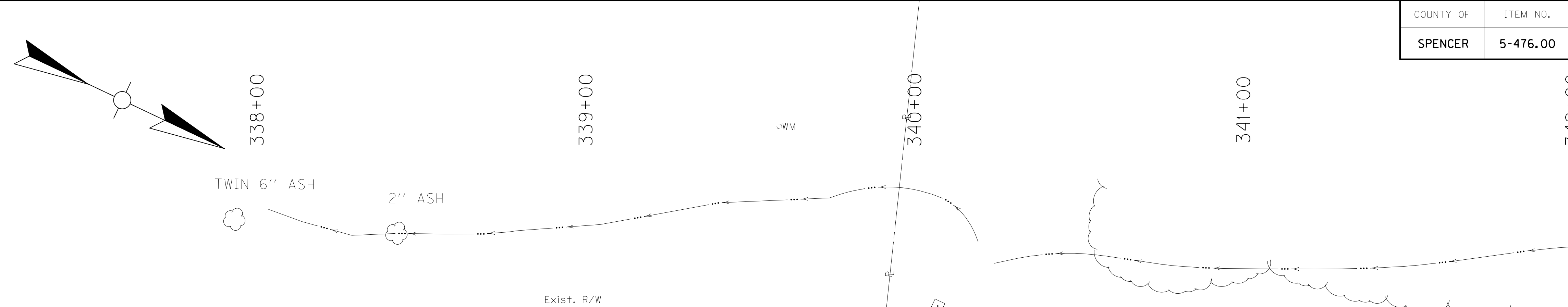
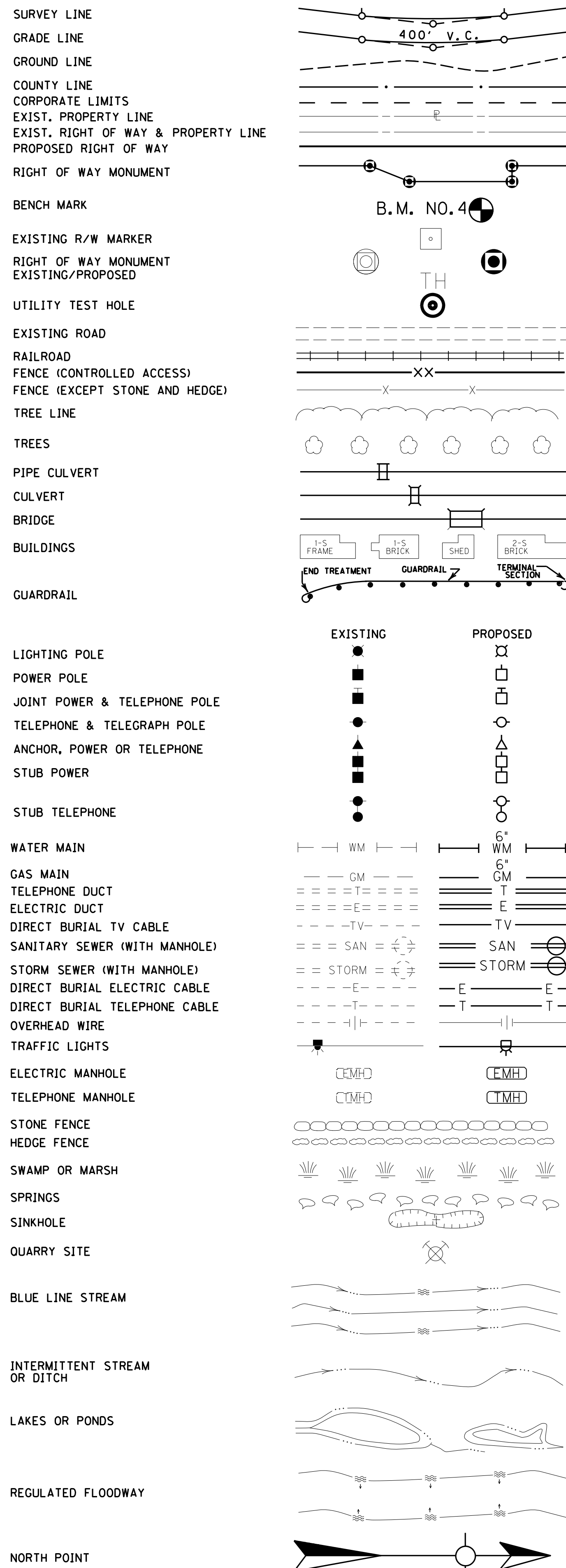
USER: Patrick.Matheny  
DATE PLOTTED: June 24, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

GENERAL NOTES

### CONVENTIONAL SIGNS

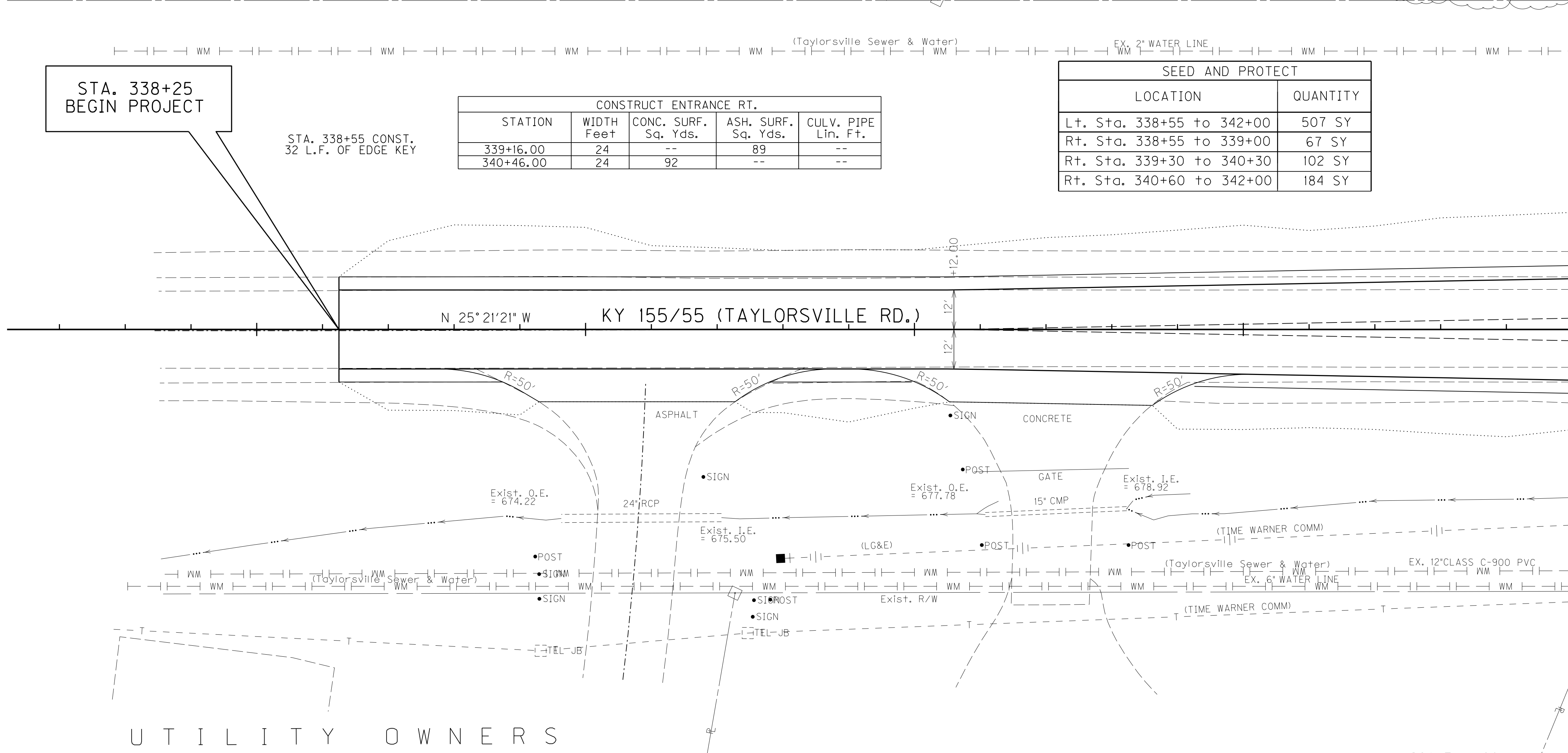


STA. 338+25  
BEGIN PROJECT

STA. 338+55 CONST.  
32 L.F. OF EDGE KEY

CONSTRUCT ENTRANCE RT.				
STATION	WIDTH Feet	CONC. SURF. Sq. Yds.	ASH. SURF. Sq. Yds.	CULV. PIPE Lin. Ft.
339+16.00	24	--	89	--
340+46.00	24	92	--	--

SEED AND PROTECT	
LOCATION	QUANTITY
Lt. Sta. 338+55 to 342+00	507 SY
Rt. Sta. 338+55 to 339+00	67 SY
Rt. Sta. 339+30 to 340+30	102 SY
Rt. Sta. 340+60 to 342+00	184 SY



SCALE: 1"=20'

**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 (BU-DIG) 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.

**WATER:**  
City of Taylorsville Sewer & Water  
70 Taylorsville Road, PO Box 279  
Taylorsville, KY 40071  
Attn: Harold Compton  
Phone: (502)477-3235

**TELECOMMUNICATIONS:**  
AT&T (KY)  
3719 Bardstown Rd - 2nd floor  
Louisville, KY 40218  
Attn: Morgan Herndon  
Phone: (502)458-7312

**ELECTRIC:**  
LG&E  
820 West Broadway  
Louisville, Kentucky 40202  
Attn: Greg Geiser  
Greg work: 502-627-3708  
LG&E and KU Emergency:  
1-800-331-7370  
LG&E Emergency: (502) 589-1444

**Time Warner Communications**  
4701 Commerce Crossings Drive  
Louisville, KY 40229  
Attn: Forrest Antique  
Phone : (502)357-4724 - Office  
(502)817-6519 - Cell

DESIGNED BY: KYTC DISTRICT 5  
DATE SUBMITTED:

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**SPENCER**

PROJECT 5-476.00  
NUMBERS: FD04 SPP 108 0055 010-011

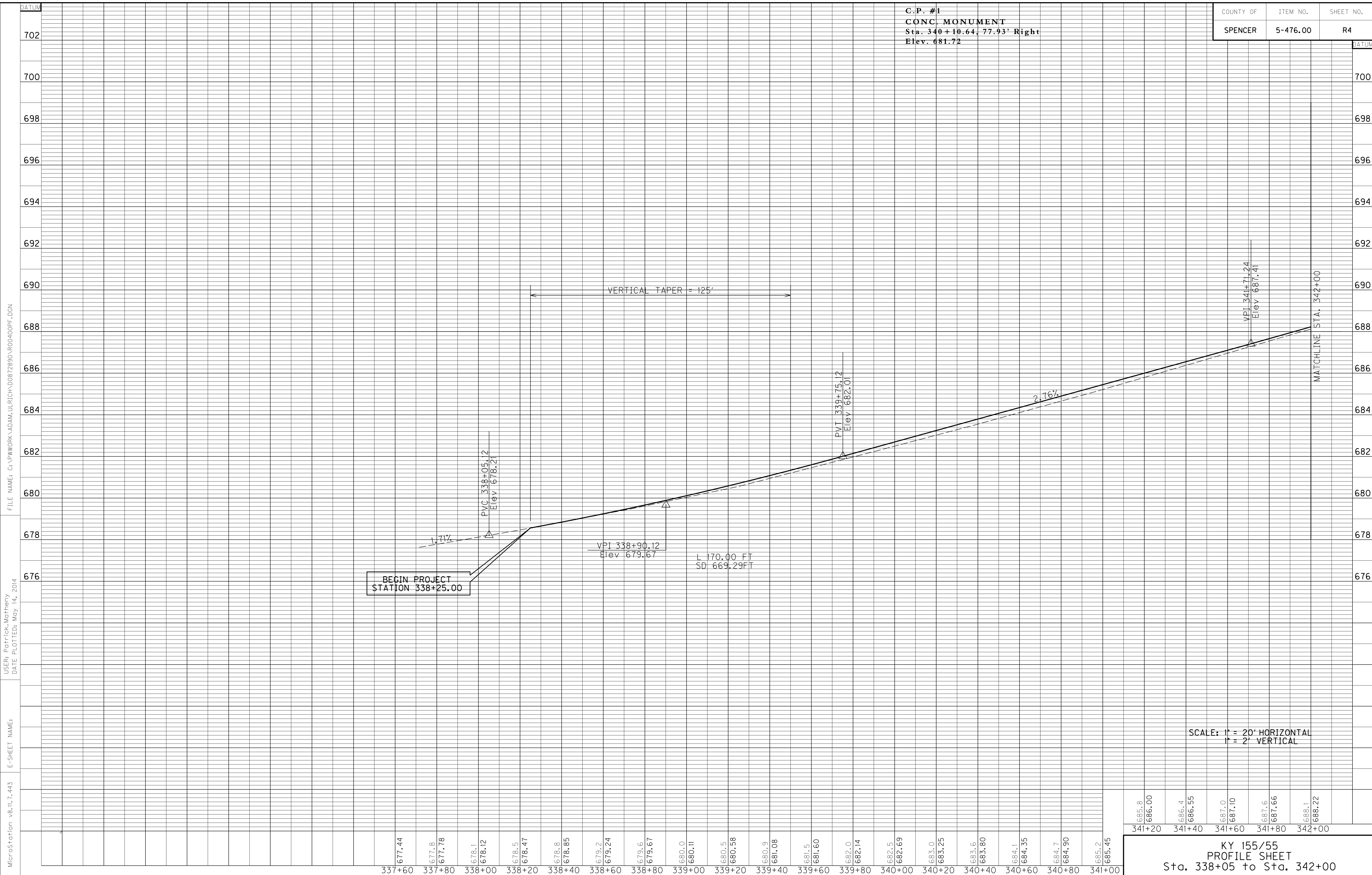
KY 155/55  
PLAN SHEET  
STA. 338+25 TO STA. 342+00

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\RO0300PL.DGN  
USER: Potrick, Mothy  
DATE PLOTTED: May 14, 2014  
E-SHEET NAME:  
MicroStation v8.11.7.443

MATCHLINE STA. 342+00

C.P. #1  
 CONC. MONUMENT  
 Sta. 340 + 10.64, 77.93' Right  
 Elev. 681.72

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	R4

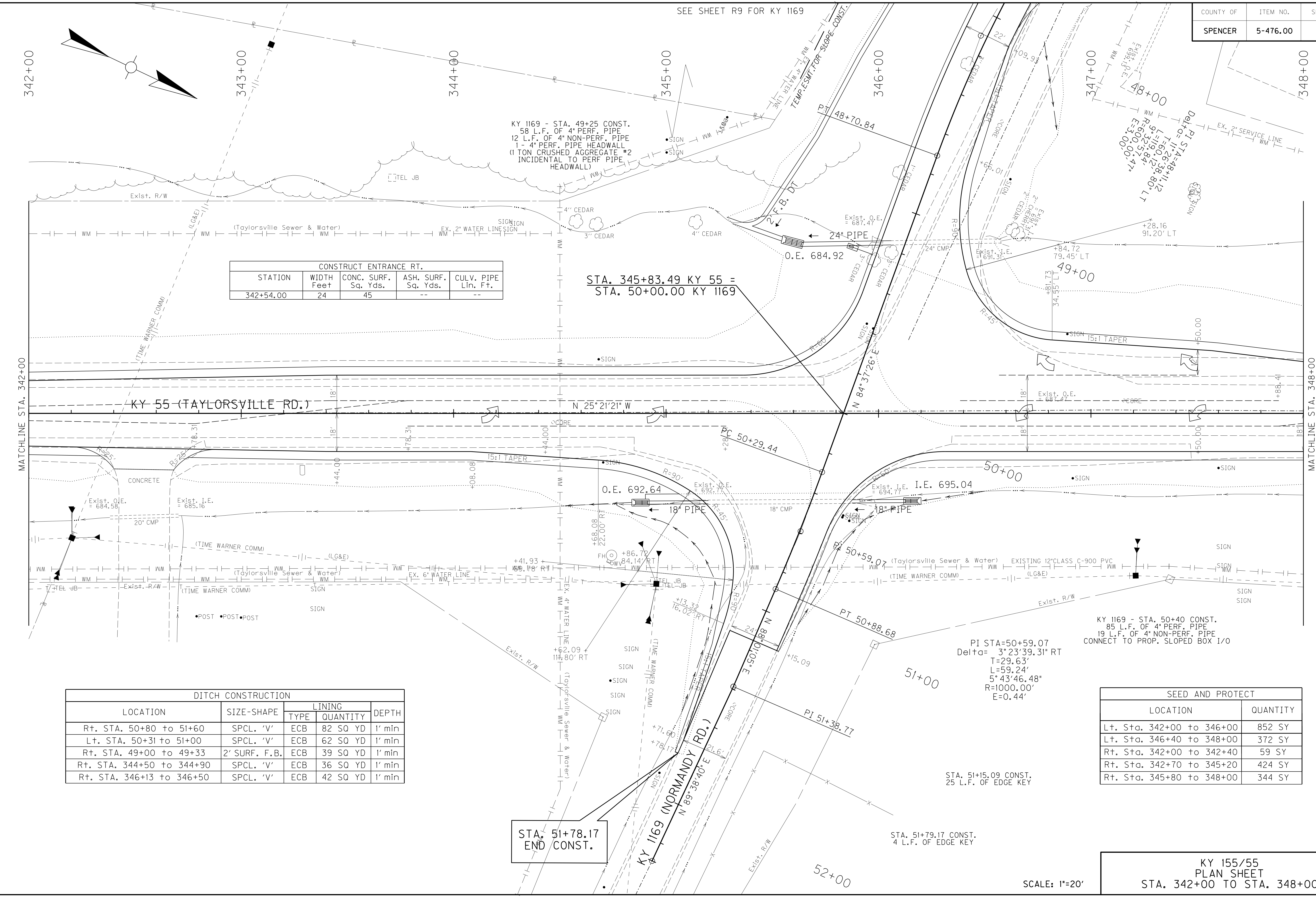


MicroStation v8.11.7.443  
 E-SHEET NAME:  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 FILE NAME: C:\PWORK\ADAM.UL\CH\AD0872890\RD0400PF.DGN

SCALE: 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

KY 155/55  
 PROFILE SHEET  
 Sta. 338+05 to Sta. 342+00

SEE SHEET R9 FOR KY 1169



CONSTRUCT ENTRANCE RT.

STATION	WIDTH Feet	CONC. SURF. Sq. Yds.	ASH. SURF. Sq. Yds.	CULV. PIPE Lin. Ft.
342+54.00	24	45	--	--

KY 1169 - STA. 49+25 CONST.  
 58 L.F. OF 4" PERF. PIPE  
 12 L.F. OF 4" NON-PERF. PIPE  
 1 - 4" PERF. PIPE HEADWALL  
 (1 TON CRUSHED AGGREGATE #2 INCIDENTAL TO PERF PIPE HEADWALL)

STA. 345+83.49 KY 55 =  
 STA. 50+00.00 KY 1169

KY 1169 - STA. 50+40 CONST.  
 85 L.F. OF 4" PERF. PIPE  
 19 L.F. OF 4" NON-PERF. PIPE  
 CONNECT TO PROP. SLOPED BOX 1/0

PI STA=50+59.07  
 Delta= 3°23'39.31" RT  
 T=29.63'  
 L=59.24'  
 5°43'46.48"  
 R=1000.00'  
 E=0.44'

DITCH CONSTRUCTION

LOCATION	SIZE-SHAPE	LINING		DEPTH
		TYPE	QUANTITY	
Rt. STA. 50+80 to 51+60	SPCL. 'V'	ECB	82 SQ YD	1' min
Lt. STA. 50+31 to 51+00	SPCL. 'V'	ECB	62 SQ YD	1' min
Rt. STA. 49+00 to 49+33	2' SURF. F.B.	ECB	39 SQ YD	1' min
Rt. STA. 344+50 to 344+90	SPCL. 'V'	ECB	36 SQ YD	1' min
Rt. STA. 346+13 to 346+50	SPCL. 'V'	ECB	42 SQ YD	1' min

SEED AND PROTECT

LOCATION	QUANTITY
Lt. Sta. 342+00 to 346+00	852 SY
Lt. Sta. 346+40 to 348+00	372 SY
Rt. Sta. 342+00 to 342+40	59 SY
Rt. Sta. 342+70 to 345+20	424 SY
Rt. Sta. 345+80 to 348+00	344 SY

STA. 51+78.17  
 END CONST.

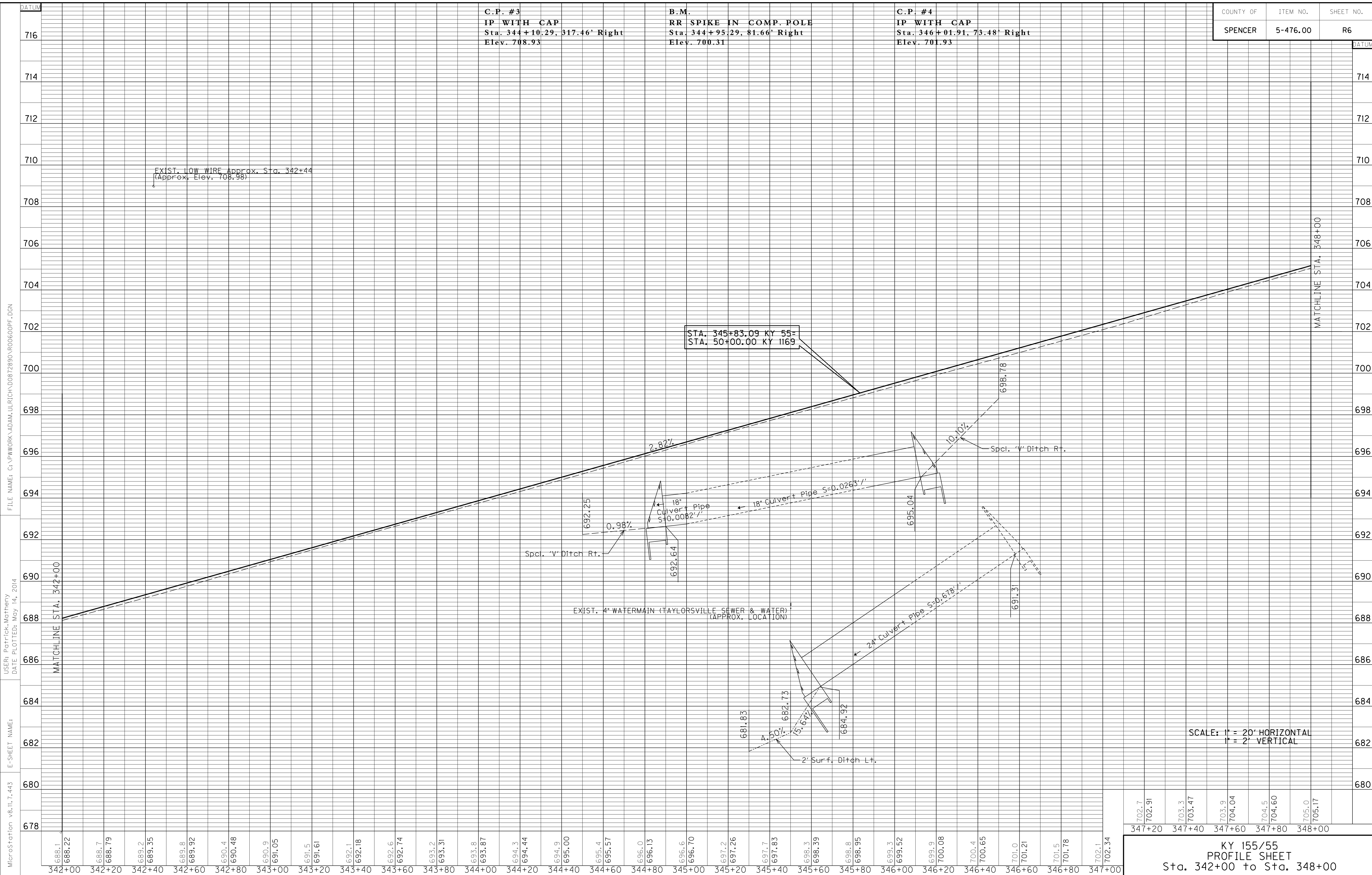
STA. 51+79.17 CONST.  
 4 L.F. OF EDGE KEY

SCALE: 1"=20'

KY 155/55  
 PLAN SHEET  
 STA. 342+00 TO STA. 348+00

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\00500PL.DGN  
 USER: Patrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

<b>C.P. #3</b> IP WITH CAP Sta. 344+10.29, 317.46' Right Elev. 708.93	<b>B.M.</b> RR SPIKE IN COMP. POLE Sta. 344+95.29, 81.66' Right Elev. 700.31	<b>C.P. #4</b> IP WITH CAP Sta. 346+01.91, 73.48' Right Elev. 701.93
--	---	---

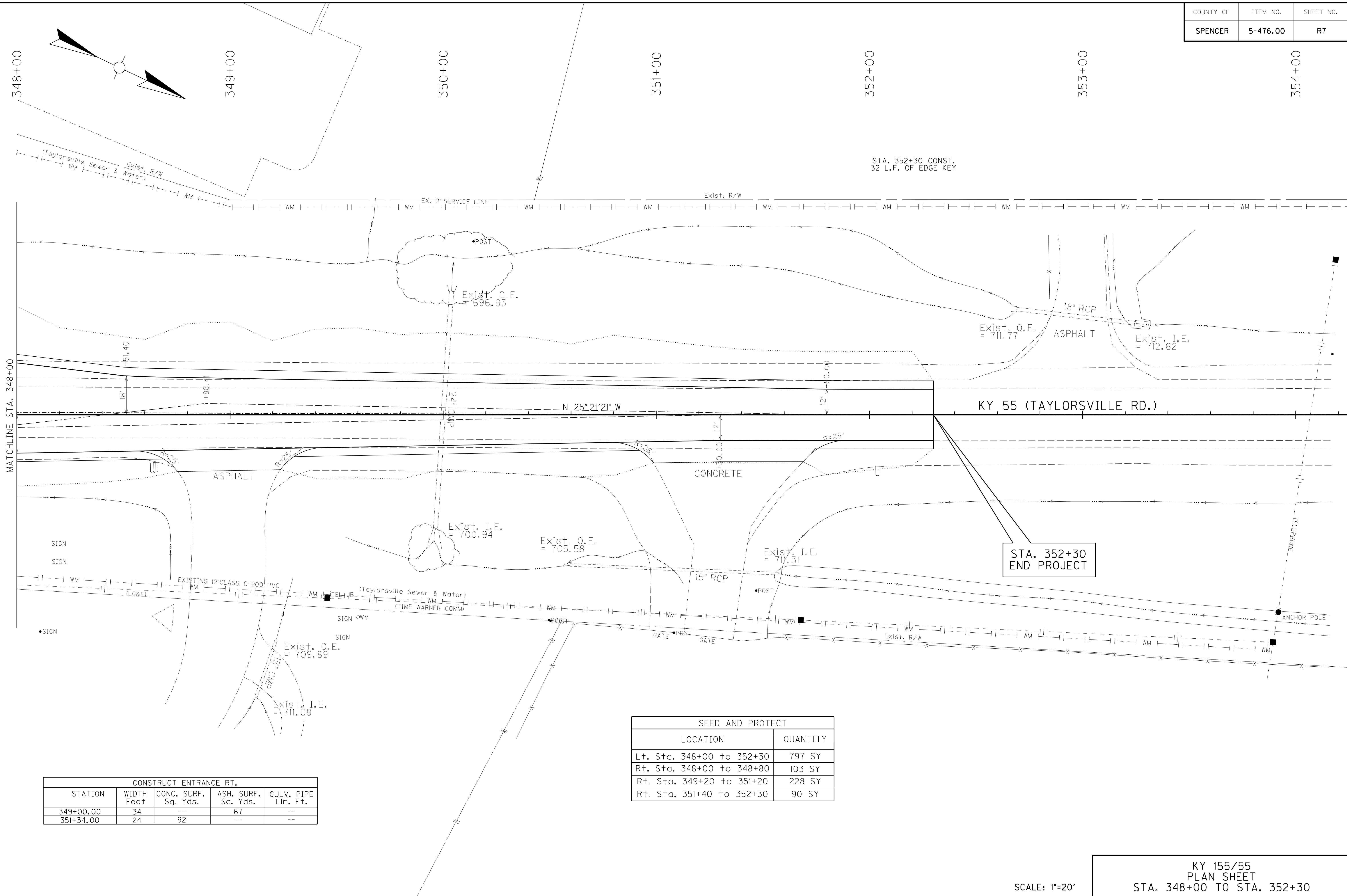


MicroStation v8.11.7.443 E-SHEET NAME: USER: Potrtek, Matthew DATE PLOTTED: May 14, 2014 FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\0600PF.DGN

SCALE: 1" = 20' HORIZONTAL  
1" = 2' VERTICAL

702.7	702.91	703.3	703.47	703.9	704.04	704.5	704.60	705.0	705.17
347+20	347+40	347+60	347+80	348+00					

KY 155/55  
PROFILE SHEET  
Sta. 342+00 to Sta. 348+00



CONSTRUCT ENTRANCE RT.				
STATION	WIDTH Feet	CONC. SURF. Sq. Yds.	ASH. SURF. Sq. Yds.	CULV. PIPE Lin. Ft.
349+00.00	34	--	67	--
351+34.00	24	92	--	--

SEED AND PROTECT	
LOCATION	QUANTITY
Lt. Sta. 348+00 to 352+30	797 SY
Rt. Sta. 348+00 to 348+80	103 SY
Rt. Sta. 349+20 to 351+20	228 SY
Rt. Sta. 351+40 to 352+30	90 SY

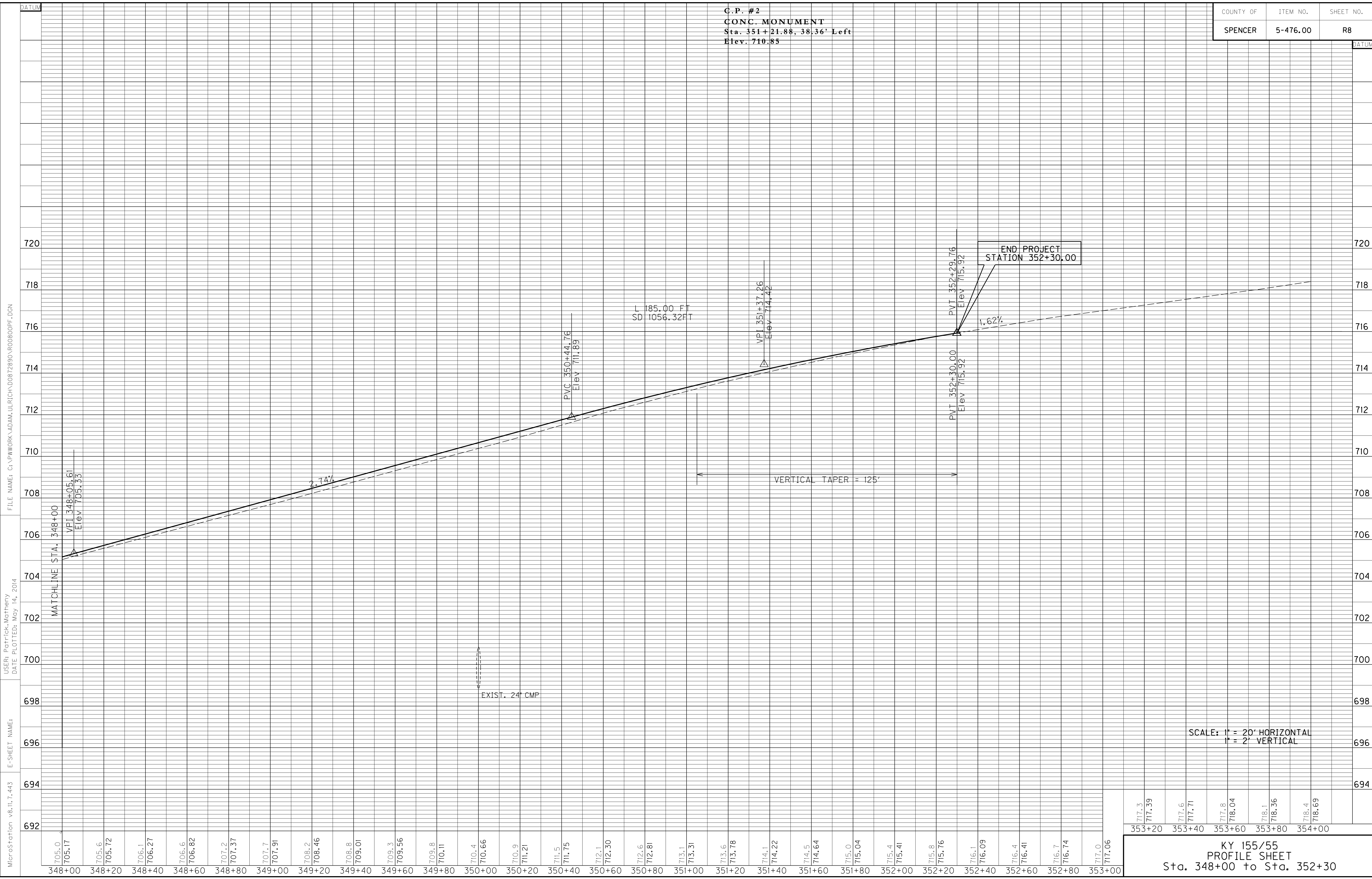
**STA. 352+30  
END PROJECT**

SCALE: 1"=20'

KY 155/55  
PLAN SHEET  
STA. 348+00 TO STA. 352+30

MicroStation v8.11.7.443  
 E-SHEET NAME:  
 USER: Patrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 FILE NAME: G:\PWORK\ADAM.LULRICH\0872890\ROOT00PL.DGN

C.P. #2  
 CONC. MONUMENT  
 Sta. 351+21.88, 38.36' Left  
 Elev. 710.85

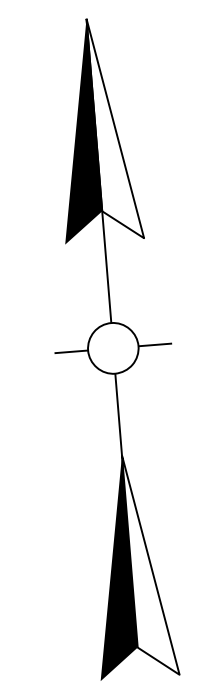


MicroStation v8.11.7.443 E-SHEET NAME: USER: Potrick, Matthew DATE PLOTTED: May 14, 2014 FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\080800PF.DGN

SCALE: 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

717.3	717.6	717.8	718.1	718.4
717.39	717.71	718.04	718.36	718.69
353+20	353+40	353+60	353+80	354+00

KY 155/55  
 PROFILE SHEET  
 Sta. 348+00 to Sta. 352+30



SEED AND PROTECT	
LOCATION	QUANTITY
Lt. Sta. 44+30.70 to 44+40	9 SY
Lt. Sta. 44+50 to 45+10	63 SY
Lt. Sta. 45+30 to 47+20	580 SY
Lt. Sta. 47+50 to 49+00	632 SY
Rt. Sta. 44+30.70 to 45+80	245 SY
Rt. Sta. 45+90 to 47+30	522 SY
Rt. Sta. 47+50 to 49+00	833 SY

CONSTRUCT ENTRANCE LT.				
STATION	WIDTH Feet	CONC. SURF. Sq. Yds.	ASH. SURF. Sq. Yds.	CULV. PIPE Lin. Ft.
44+50.00	14	24	--	25' - 15'
45+20.00	10	26	--	--
47+40.00	30	--	243	--

STA. 44+30.70  
BEGIN CONST.

STA. 47+30.00 KY 1169 =  
STA. 60+00.00 SKINNER LN.

MATCHLINE STA. 49+00  
SEE SHEETS FOR KY 1169  
INTERSECTION WITH KY 55

DITCH CONSTRUCTION				
LOCATION	SIZE-SHAPE	LINING		DEPTH
		TYPE	QUANTITY	
Lt. STA. 44+10 to 44+32	SPCL. 'V'	ECB	15 SQ YD	1' min
Lt. STA. 44+62 to 45+00	SPCL. 'V'	ECB	26 SQ YD	1' min
Lt. STA. 45+40 to 45+80	SPCL. 'V'	ECB	27 SQ YD	1' min
Rt. STA. 44+31 to 45+70	SPCL. 'V'	ECB	93 SQ YD	1' min
Rt. STA. 46+00 to 46+20	SPCL. 'V'	ECB	18 SQ YD	1' min
Rt. STA. 46+20 to 47+08	2' SURF. F.B.	ECB	62 SQ YD	1' min
Rt. STA. 47+52 to 49+33	2' SURF. F.B.	ECB	121 SQ YD	1' min
Lt. STA. 48+00 to 48+40	SPCL. 'V'	ECB	54 SQ YD	1' min
Rt. STA. 60+40 to 61+53	SPCL. 'V'	ECB	76 SQ YD	1' min

CONSTRUCT ENTRANCE RT.				
STATION	WIDTH Feet	T.B.B. Sq. Yds.	ASH. SURF. Sq. Yds.	CULV. PIPE Lin. Ft.
45+90.00	11	--	64	37' - 15'
SKINNER LANE	12	141	84	45' - 18'

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\00900PL.DGN

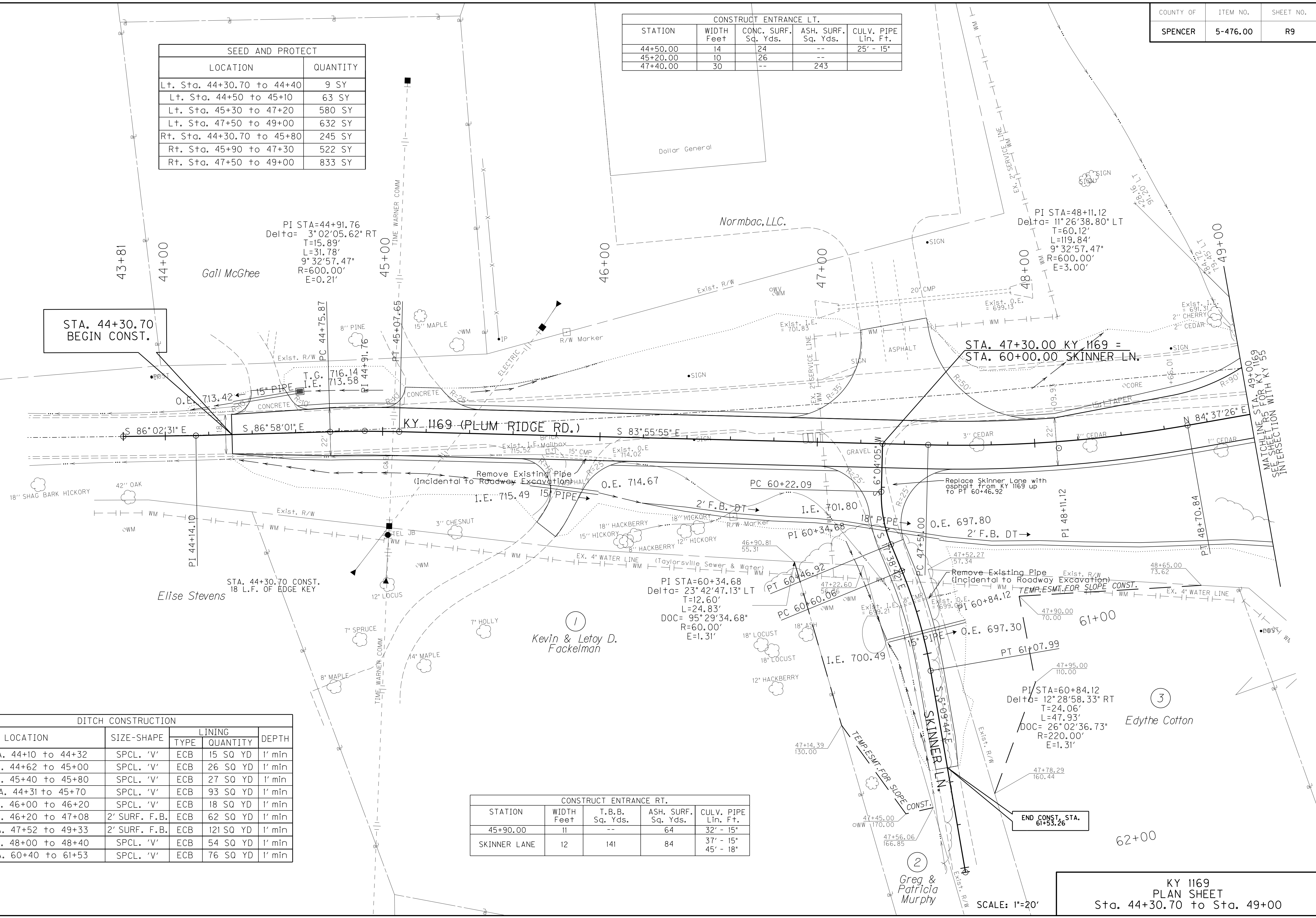
USER: Patrick, Matthew  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

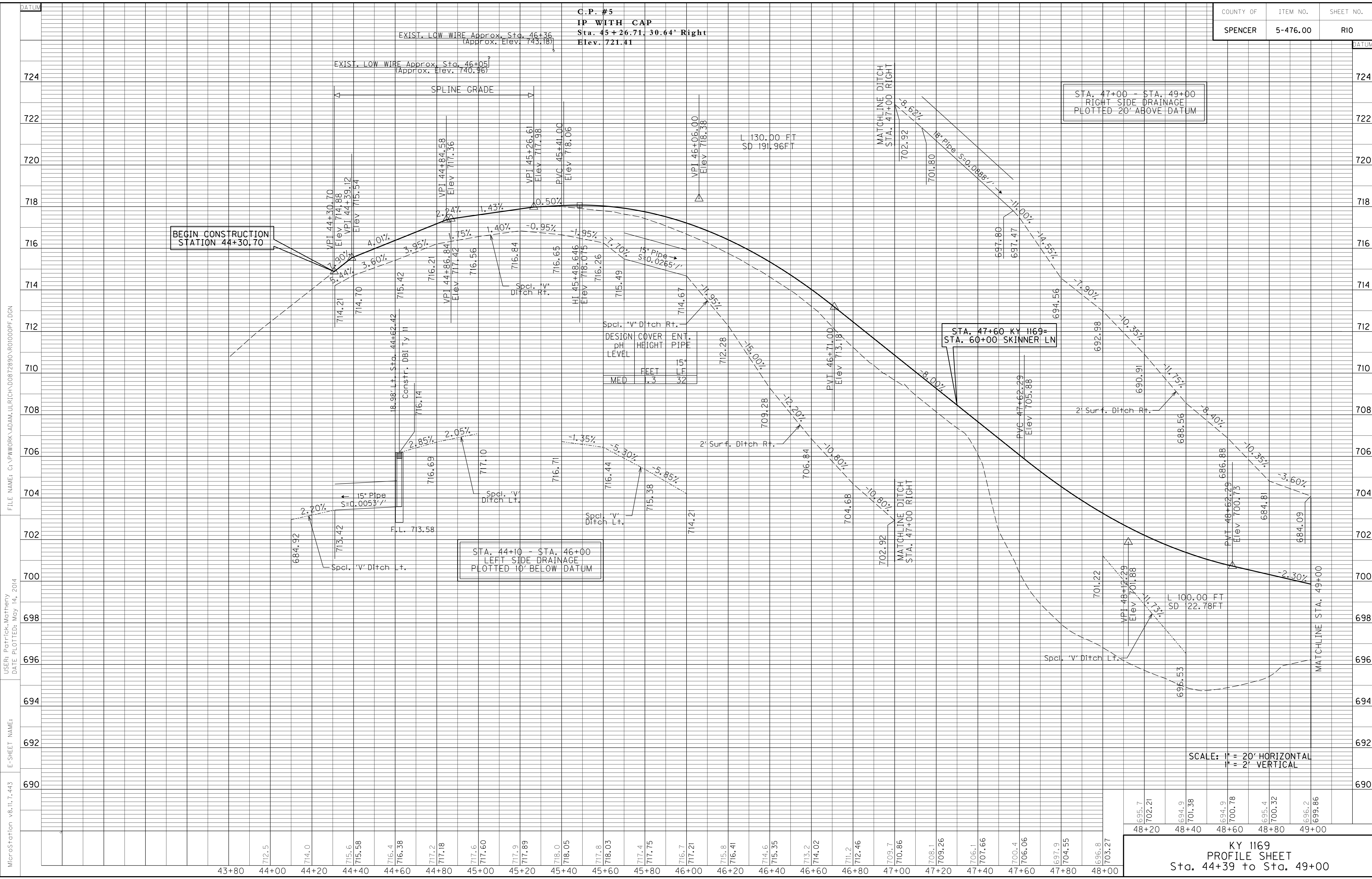
MicroStation v8.11.7.443

KY 1169  
PLAN SHEET  
Sta. 44+30.70 to Sta. 49+00

SCALE: 1"=20'





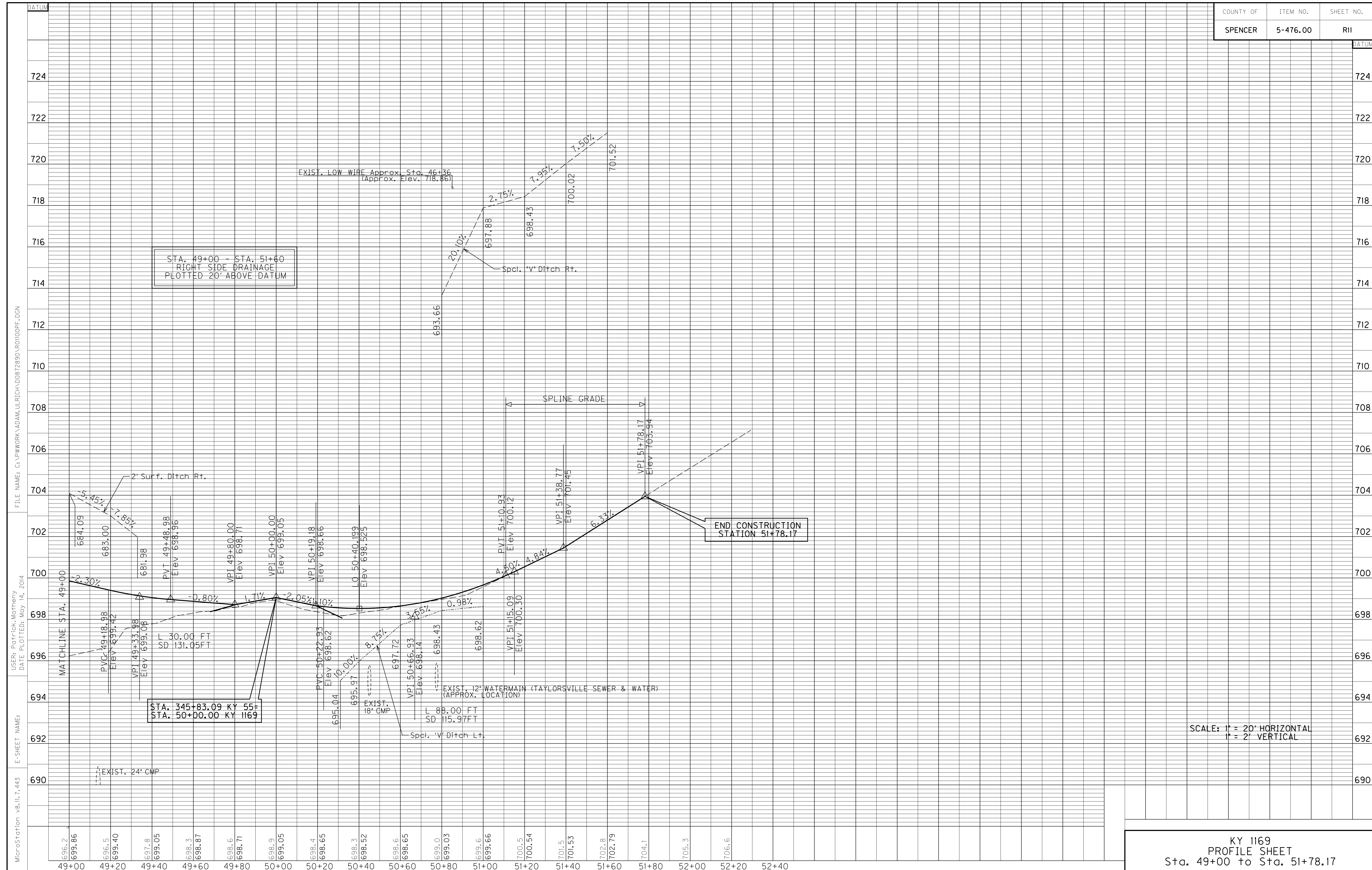


MicroStation v8.11.7.443 E-SHEET NAME: USER: Potrick, Mothony DATE PLOTTED: May 14, 2014 FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\01000P.F.DGN

SCALE: 1" = 20' HORIZONTAL  
1" = 2' VERTICAL

KY 1169  
PROFILE SHEET  
Sta. 44+39 to Sta. 49+00

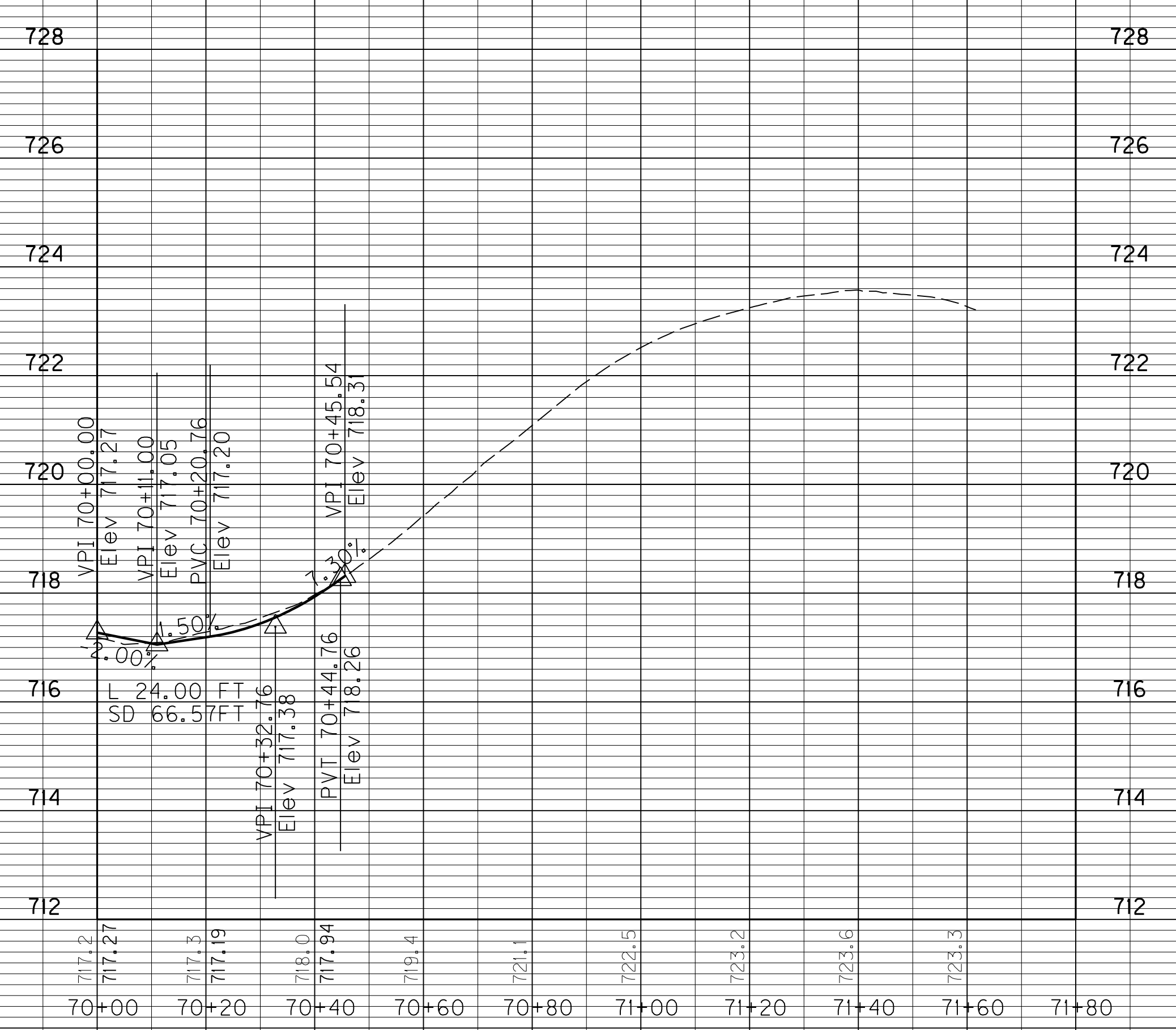
695.7	694.9	694.4	696.2
702.21	701.38	700.78	699.86
48+20	48+40	48+60	48+80
700.4	704.55	696.8	703.27



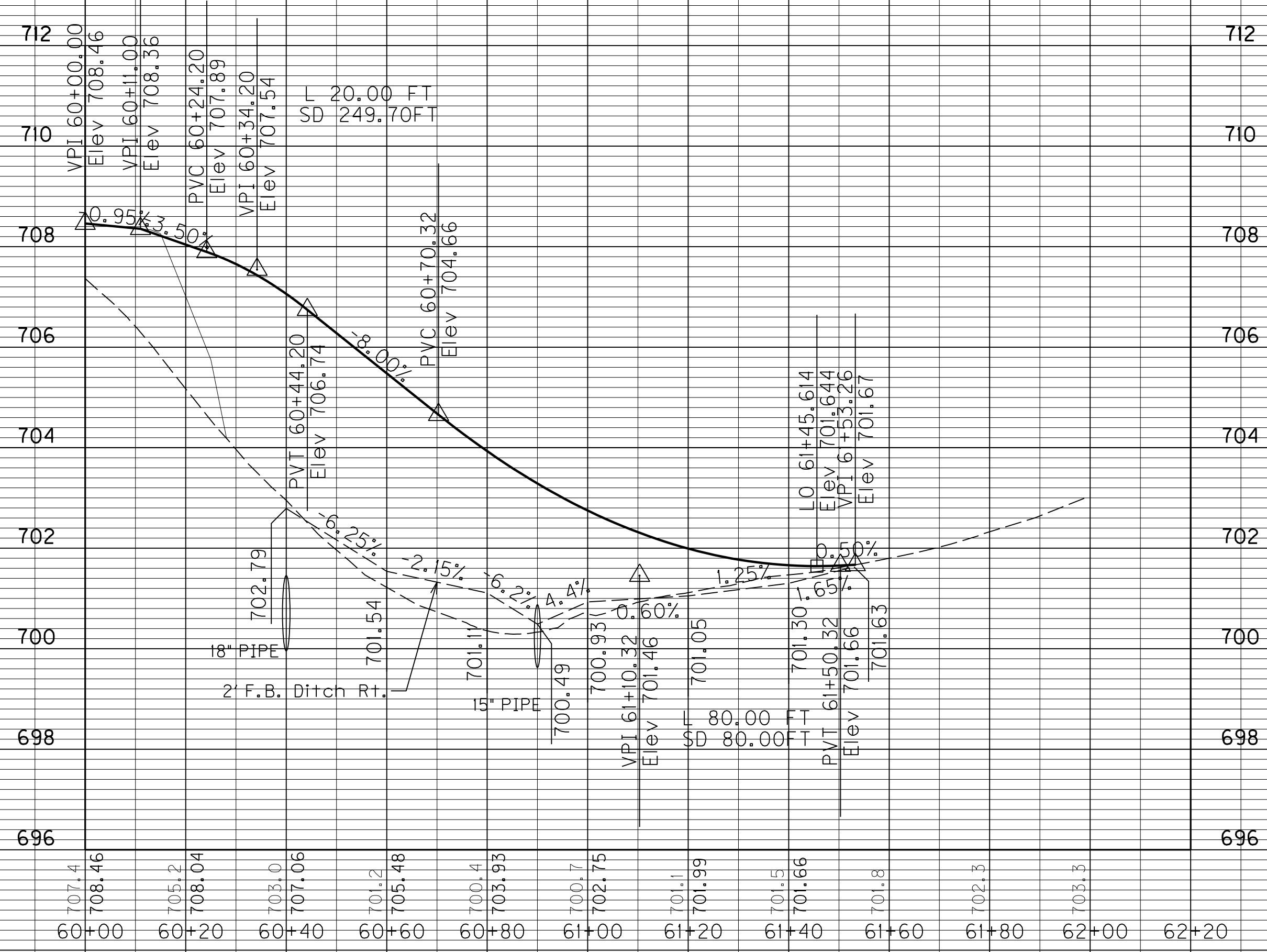
SCALE: 1" = 20' HORIZONTAL  
1" = 2' VERTICAL

MicroStation v8.11.7.443 E-SHEET NAME: USER: Potrick, Matthew DATE PLOTTED: May 14, 2014 FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\0100PF.DGN

MicroStation v8.11.7.443 E-SHEET NAME: USER: Potrick, Matthew DATE PLOTTED: May 14, 2014 FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\01200PF.DGN



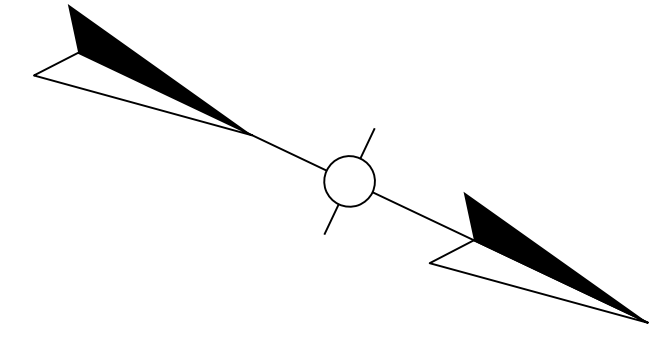
**ENT 45+87 Rt**



**SKINNER LANE**

SCALE: 1" = 20' HORIZONTAL  
1" = 2' VERTICAL





FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\01400RW.DGN  
 USER: Patrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

STA. 338+25.00  
BEGIN PROJECT

STA. 44+30.70  
BEGIN CONST.

KY 1169  
STA. 46+90.82  
BEGIN R.O.W.

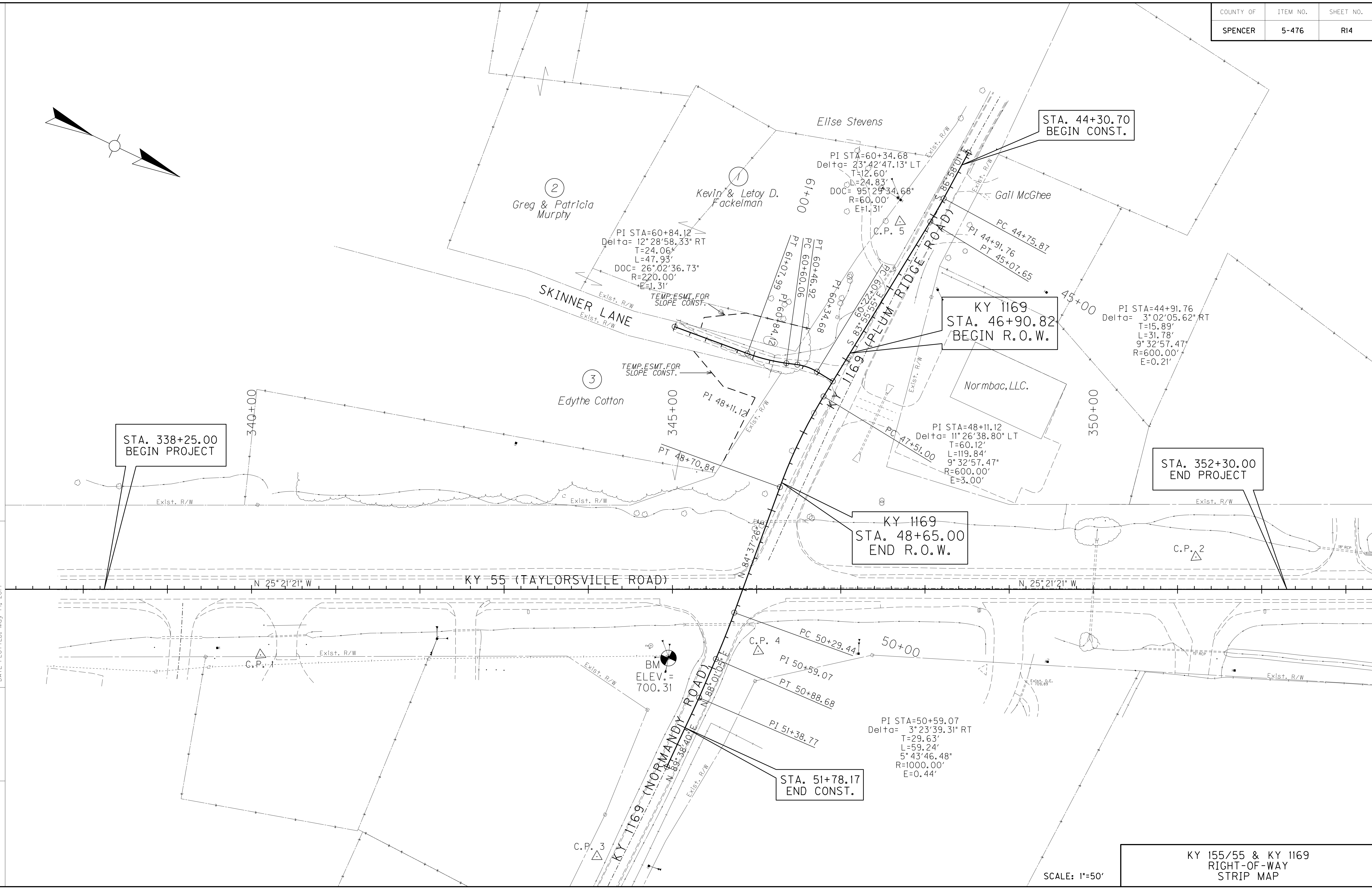
STA. 352+30.00  
END PROJECT

KY 1169  
STA. 48+65.00  
END R.O.W.

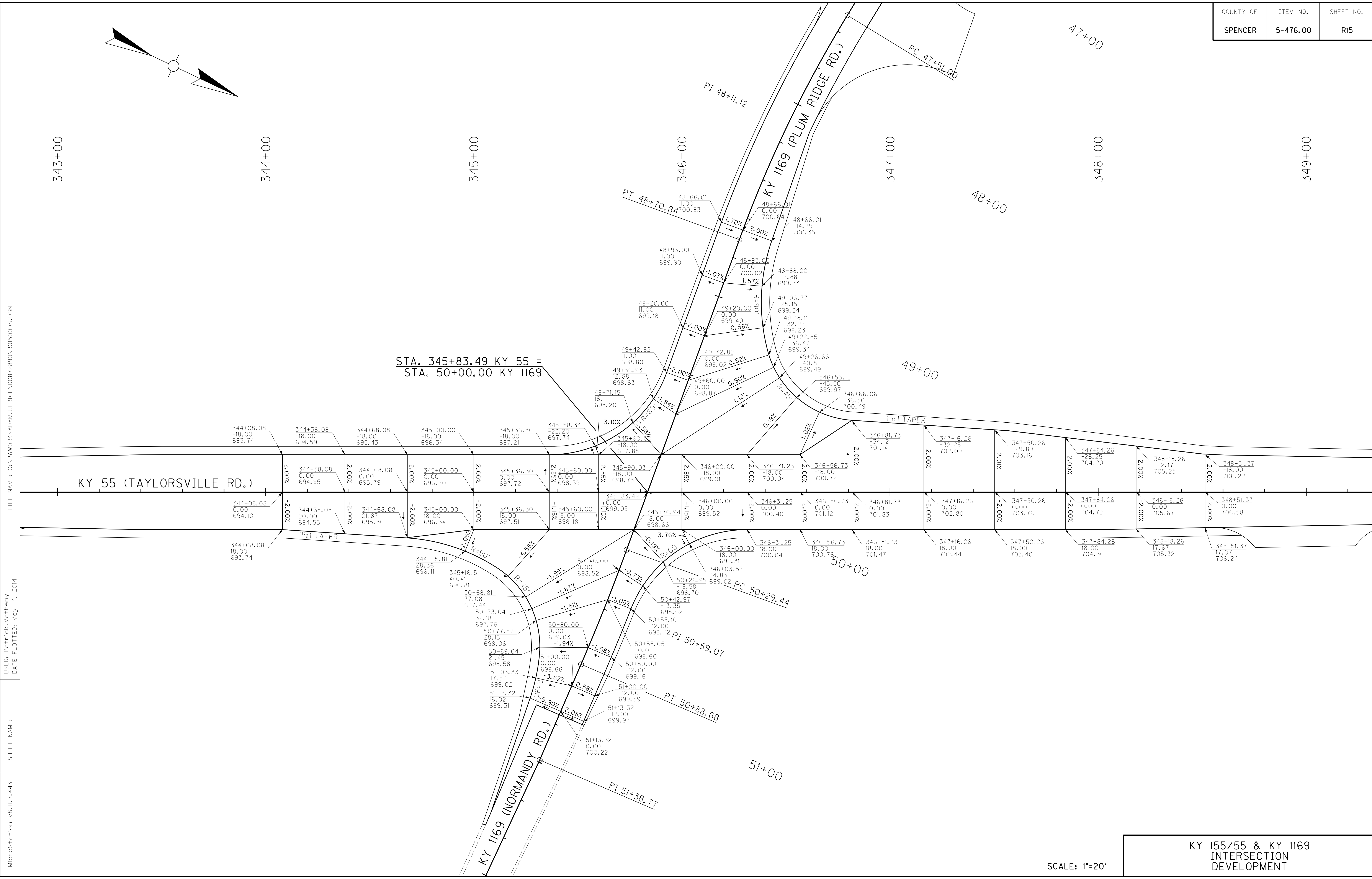
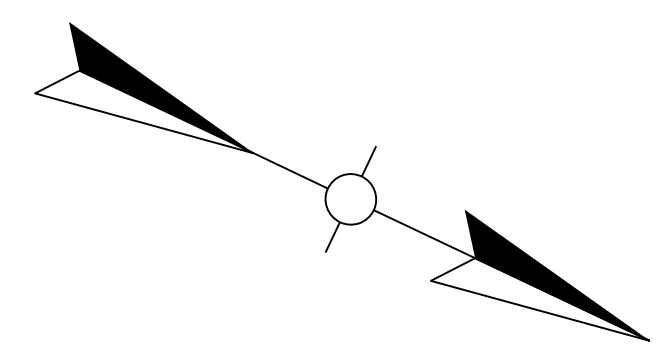
STA. 51+78.17  
END CONST.

KY 155/55 & KY 1169  
RIGHT-OF-WAY  
STRIP MAP

SCALE: 1"=50'



COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	R15



FILE NAME: C:\PWORK\ADAM.L\1169\0872890\1050005.DGN

USER: Patrick, Matthew  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:


MicroStation v8.11.7.443

KY 155/55 & KY 1169  
INTERSECTION  
DEVELOPMENT

SCALE: 1"=20'

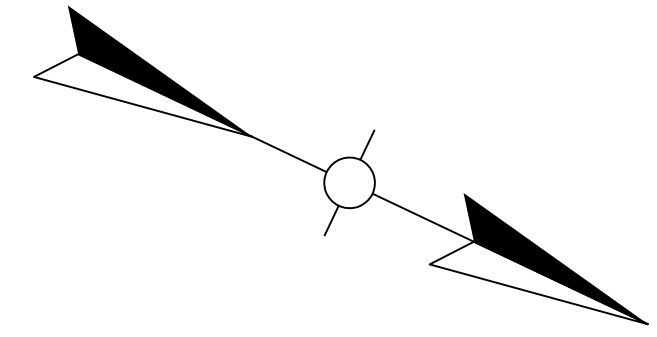
# SHEETING SIGNS DETAIL

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476	R15a

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION			
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)
S-1	36	36		RI-2	LT	SB to WB	KY 155/55	346+55
	36	36			RT	NB to EB	KY 155/55	345+15

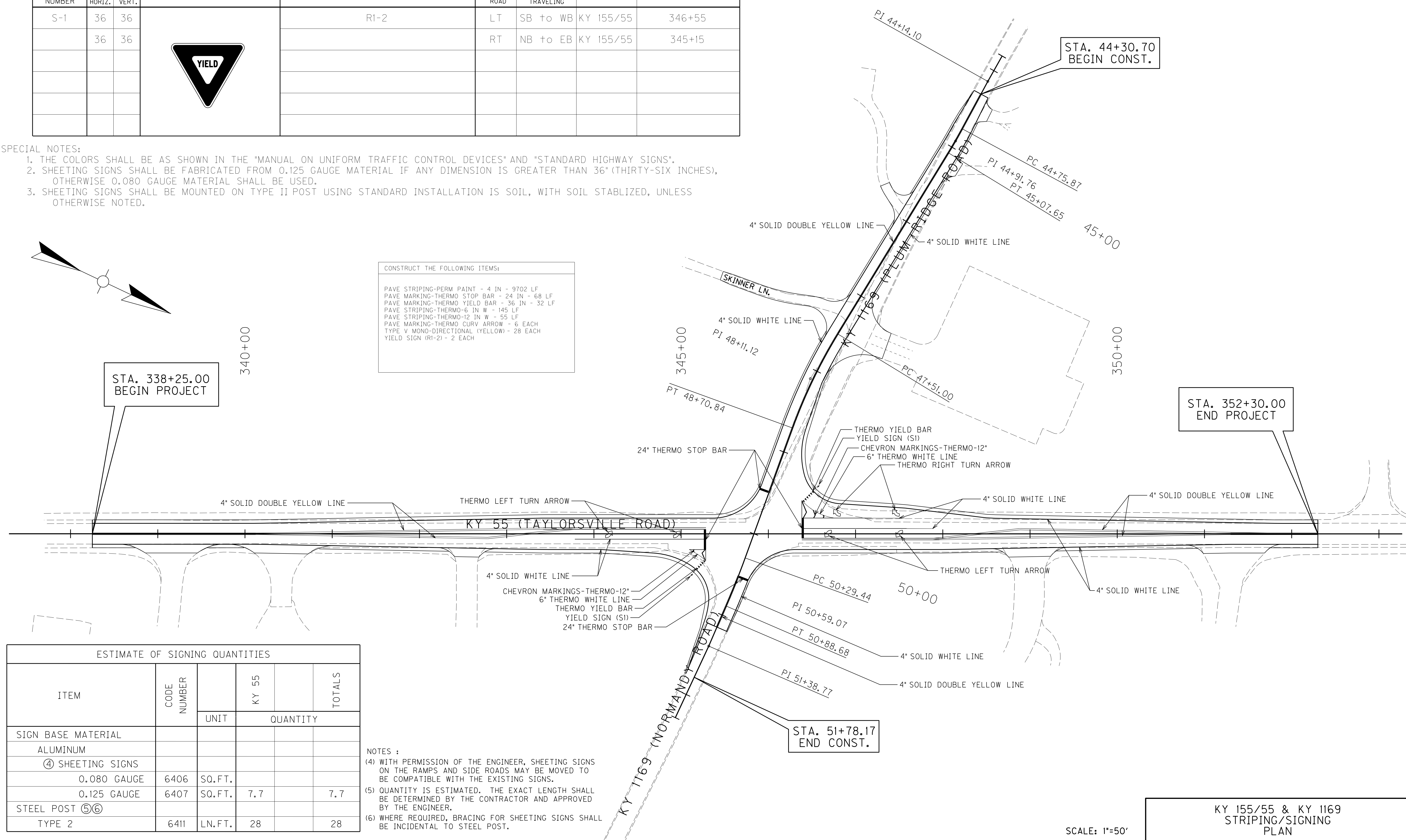
**SPECIAL NOTES:**

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE II POST USING STANDARD INSTALLATION IS SOIL, WITH SOIL STABILIZED, UNLESS OTHERWISE NOTED.



CONSTRUCT THE FOLLOWING ITEMS:

PAVE STRIPING-PERM PAINT - 4 IN - 9702 LF  
 PAVE MARKING-THERMO STOP BAR - 24 IN - 68 LF  
 PAVE MARKING-THERMO YIELD BAR - 36 IN - 32 LF  
 PAVE STRIPING-THERMO-6 IN W - 145 LF  
 PAVE STRIPING-THERMO-12 IN W - 55 LF  
 PAVE MARKING-THERMO CURV ARROW - 6 EACH  
 TYPE V MONO-DIRECTIONAL (YELLOW) - 28 EACH  
 YIELD SIGN (RI-2) - 2 EACH



STA. 338+25.00  
BEGIN PROJECT

STA. 352+30.00  
END PROJECT

STA. 51+78.17  
END CONST.

ESTIMATE OF SIGNING QUANTITIES					
ITEM	CODE NUMBER	UNIT	KY 55		TOTALS
			QUANTITY		
SIGN BASE MATERIAL					
ALUMINUM					
④ SHEETING SIGNS					
0.080 GAUGE	6406	SQ.FT.			
0.125 GAUGE	6407	SQ.FT.	7.7		7.7
STEEL POST ⑤⑥					
TYPE 2	6411	LN.FT.	28		28

- NOTES :**
- (4) WITH PERMISSION OF THE ENGINEER, SHEETING SIGNS ON THE RAMP AND SIDE ROADS MAY BE MOVED TO BE COMPATIBLE WITH THE EXISTING SIGNS.
  - (5) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
  - (6) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST.

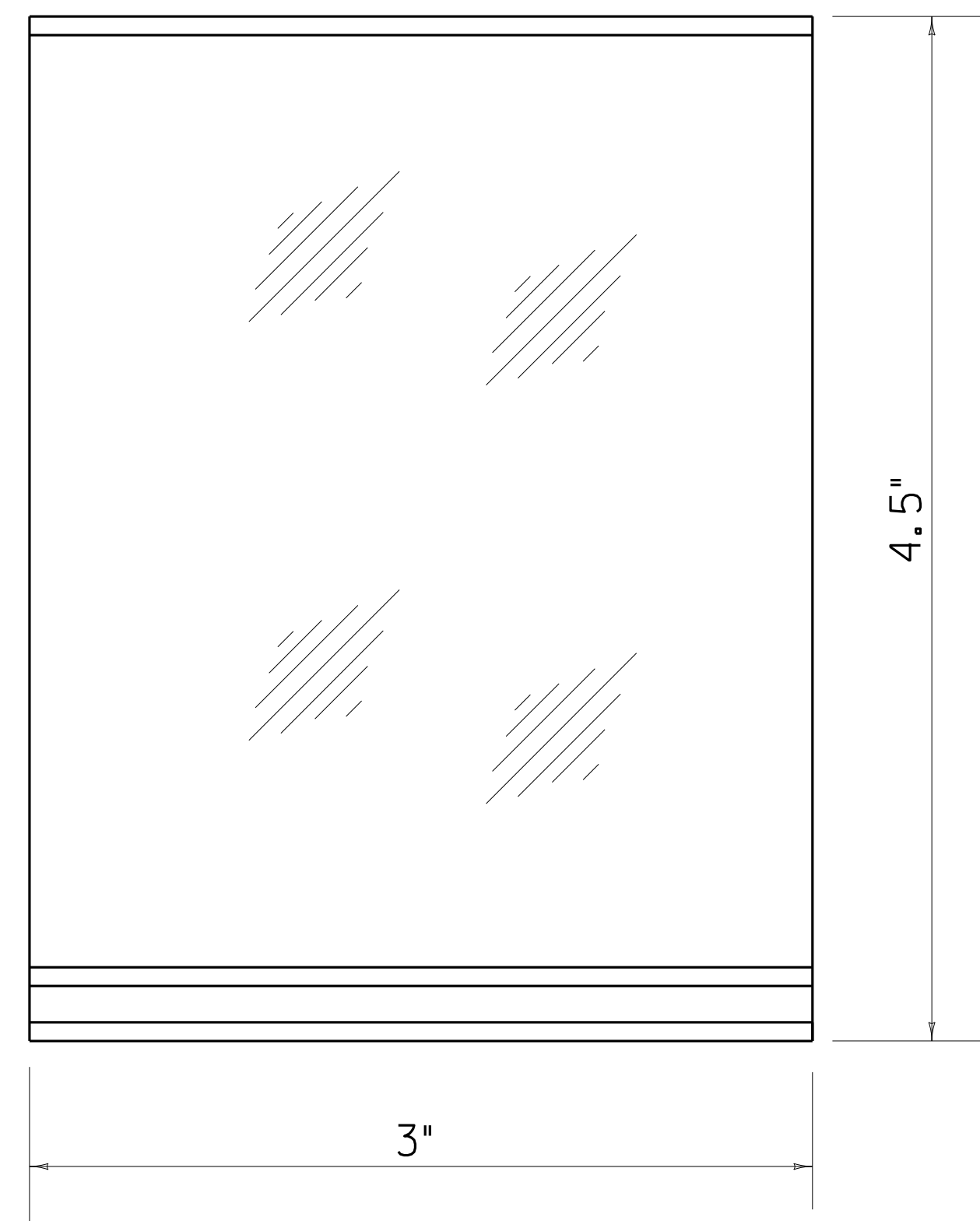
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\RO150ADS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

SCALE: 1"=50'

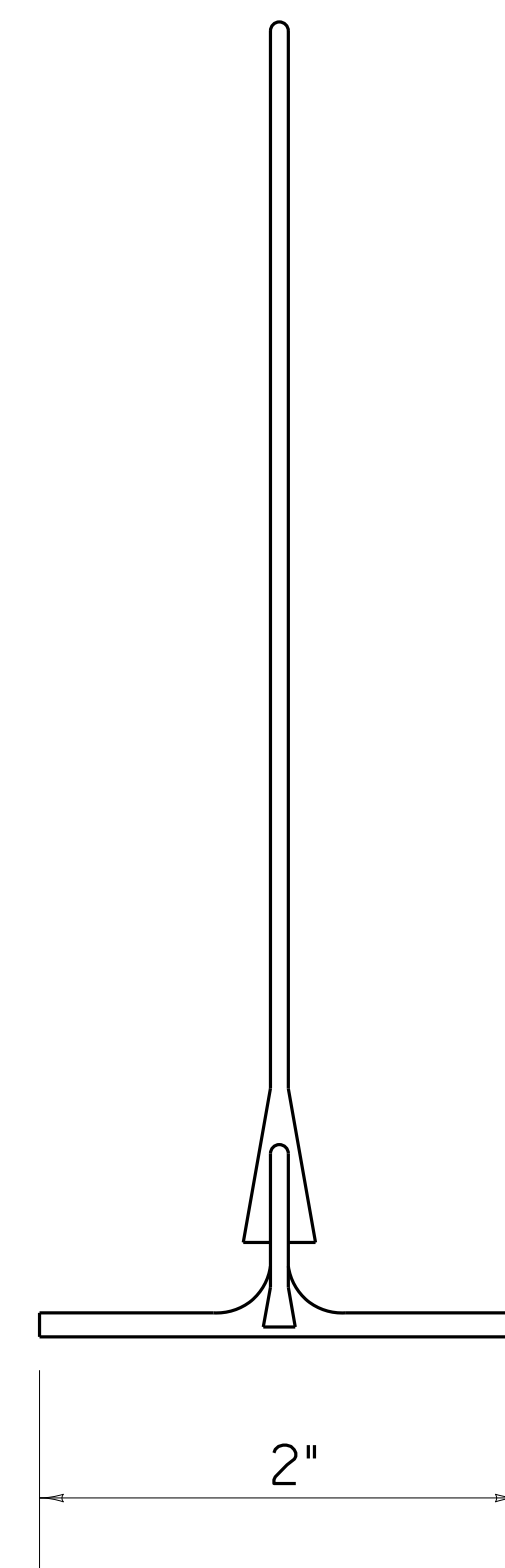
KY 155/55 & KY 1169  
STRIPING/SIGNING  
PLAN

NOTES

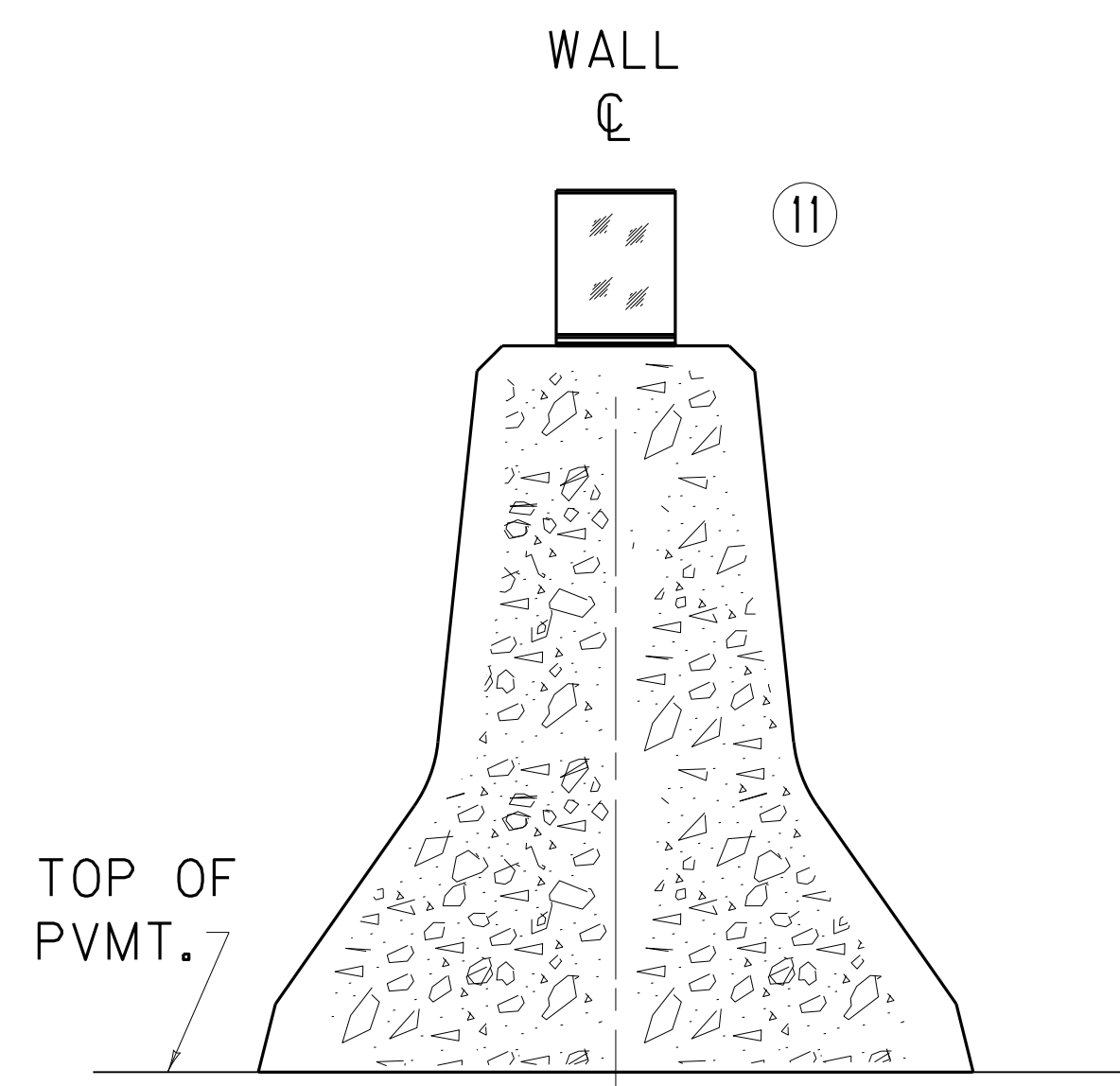
- BARRIER WALL DELINEATORS SHALL BE REQUIRED ON ALL BARRIER WALL.
- DELINEATORS SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
- | CODE | PAY ITEM  | PAY UNIT |
|------|---|----------|
| 1984 | DELINEATOR FOR BARRIER WALL - MONO DIRECTIONAL WHITE  | EACH     |
| 1985 | DELINEATOR FOR BARRIER WALL - MONO DIRECTIONAL YELLOW | EACH     |
| 1986 | DELINEATOR FOR BARRIER WALL - BI-DIRECTIONAL YELLOW   | EACH     |
| 1990 | DELINEATOR FOR BARRIER WALL - BI-DIRECTIONAL WHITE    | EACH     |
- IN ACCORDANCE WITH THE MUTCD (CURRENT EDITION), THE COLOR OF DELINEATORS SHALL MATCH THE COLOR OF THE EDGE LINE THAT THEY SUPPLEMENT. IN GENERAL, DELINEATORS ON BARRIER WALL ALONG THE LEFT SIDE OF DRIVING LANES SHALL BE YELLOW, AND DELINEATORS ON BARRIER WALL ALONG THE RIGHT SIDE OF DRIVING LANES SHALL BE WHITE. DELINEATORS IN BOTH DIRECTIONS ON A TWO-LANE, TWO-WAY ROADWAY SHALL BE BI-DIRECTIONAL WHITE.
- TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS. THE DELINEATOR'S SHAPE AND DIMENSIONS ARE FOR ILLUSTRATION PURPOSES ONLY.
- THE DELINEATOR UNIT SHALL HAVE THE REFLECTIVE SURFACE INSTALLED FACING TRAFFIC.
- DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMENDATION.
- DELINEATORS SHALL BE ATTACHED TO CONCRETE MEDIAN BARRIER WITH AN APPROVED ADHESIVE.
- DELINEATOR SHEETING SHALL BE TYPE XI, YELLOW OR WHITE.
- DELINEATORS SHOULD BE MOUNTED AT A HEIGHT OF APPROXIMATELY 4' ABOVE PAVEMENT. WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT THE SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL.
- FOR BARRIER WALLS 50" OR LESS IN HEIGHT, DELINEATORS MAY BE INSTALLED ON TOP OF THE BARRIER WALL. FOR MEDIAN BARRIER WALLS 50" OR LESS IN HEIGHT THAT SEPARATE TWO-WAY TRAFFIC, BI-DIRECTIONAL YELLOW DELINEATORS MAY BE INSTALLED ON THE TOP OF THE BARRIER WALL IN LIEU OF SIDE-MOUNTED MONO-DIRECTIONAL YELLOW DELINEATORS.



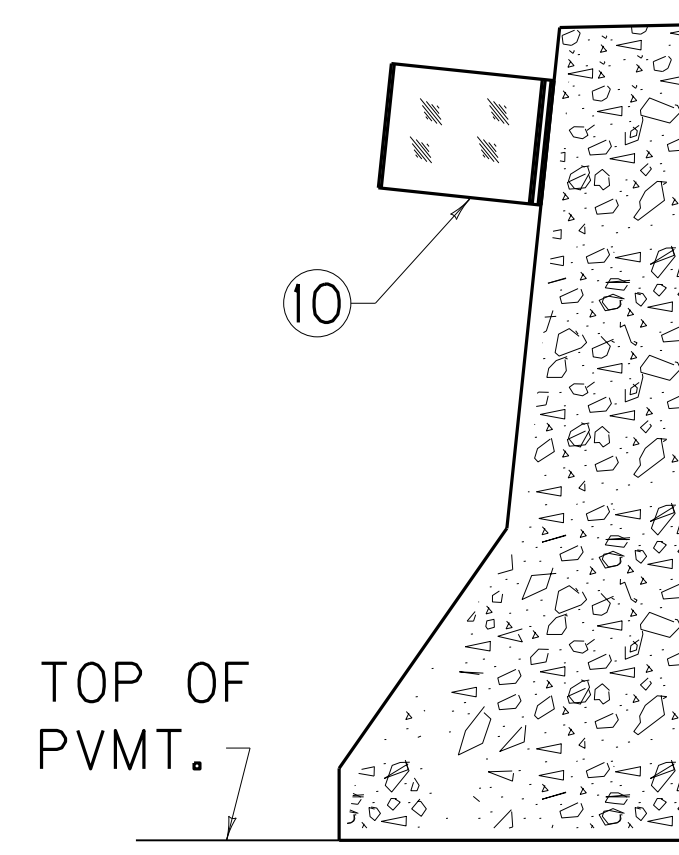
FRONT ELEVATION



SIDE ELEVATION



NORMAL (SOLID) WALL SECTION



(SEPARATE SEGMENT) WALL SECTION

APPROXIMATE DELINEATOR SPACING

TANGENT	100'
CURVE	50'

SPACING SHOULD BE ADJUSTED IN CURVES SO THAT SEVERAL DELINEATORS ARE ALWAYS SIMULTANEOUSLY VISIBLE TO THE ROAD USER.

KENTUCKY  
DEPARTMENT OF HIGHWAYS

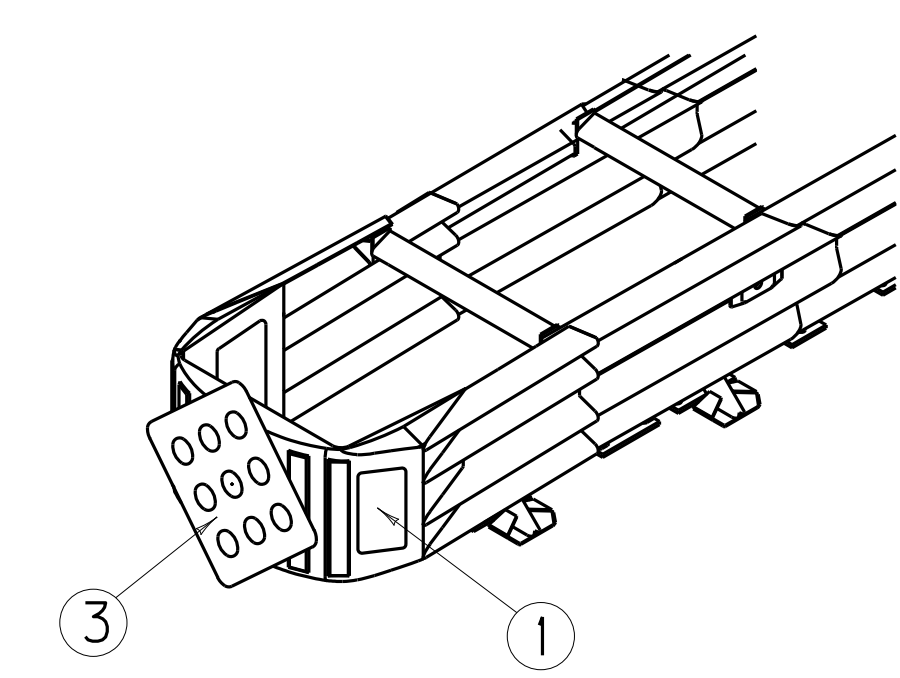
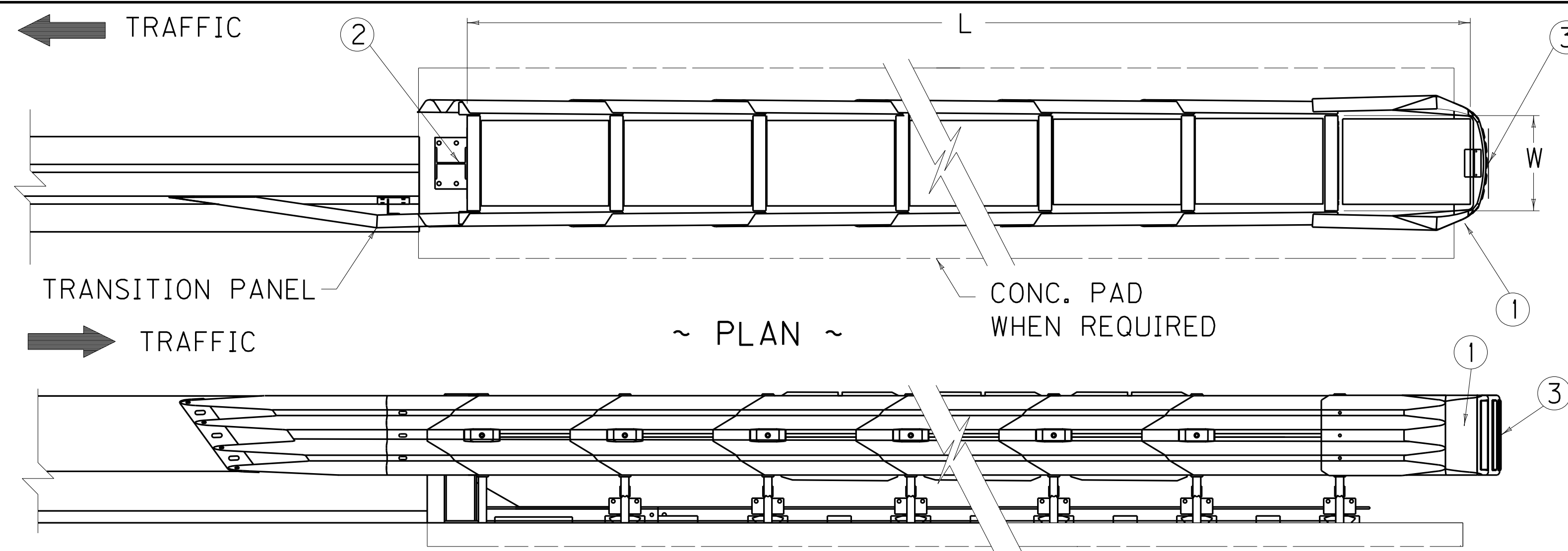
DELINEATORS FOR  
CONCRETE BARRIERS

SUBMITTED: *Jeff Jasper* 7-13-2012  
DIRECTOR DIVISION OF HIGHWAY DESIGN DATE

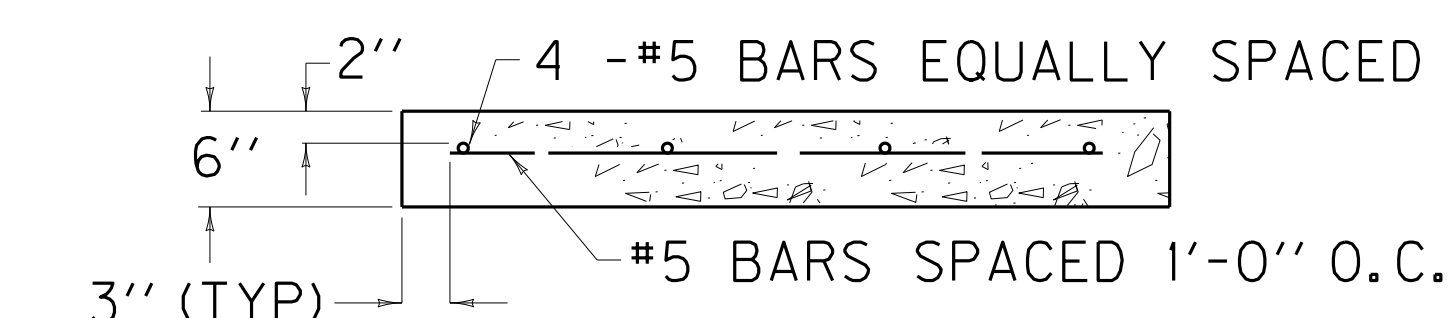
SCALE: 1"=N/A

004





~ PICTORIAL VIEW ~



~ CONCRETE PAD SECTION ~  
WHEN REQUIRED  
(PAD 4'-0" WIDE x SEE CHART FOR LENGTH)

~NOTES~

- CRASH CUSHION TYPE VI, CLASS B, ☆, △  
 ☆ EITHER TEST LEVEL 2 (TL2) OR TEST LEVEL 3 (TL3), AS REQUIRED.  
 △ SEE "CONNECTION DETAILS OF CRASH CUSHION TYPE VI TO DOUBLE FACE GUARDRAIL".
- CRASH CUSHION TYPE VI-BT OR CT IS DEPICTED ATTACHED TO A CONCRETE BARRIER (TEMPORARY).
- WHEN CRASH CUSHION TYPE VI-BT OR CT IS ATTACHED TO STEEL "W" BEAM GUARDRAIL (DOUBLE FACE), ALL APPLICABLE DETAILS SHOWN ON CUR. STD. DWG. RBC-110, "CONNECTION DETAIL OF CRASH CUSHION TYPE VI TO DOUBLE FACE GUARDRAIL" SHALL BE REQUIRED.
- WHEN CRASH CUSHION TYPE VI-BT OR CT IS ATTACHED TO STEEL "W" BEAM GUARDRAIL (DOUBLE FACE), THE TRANSITION PANEL SHALL BE ELIMINATED.
- IN A TWO-WAY TRAFFIC SITUATION FOR A 6" OR 9" TOP WIDTH WALL THE UNIT SHALL BE OFFSET FROM THE CENTERLINE OF THE WALL AS SHOWN IN THE PLAN VIEW. FOR A 12" TOP WIDTH WALL, THE UNIT SHALL BE CENTERED ON THE END OF THE BARRIER.
- FOR ONE-WAY APPROACH TRAFFIC THE UNIT SHALL BE CENTERED ON THE END OF THE BARRIER.
- THE COMPLETE INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF ENERGY ABSORPTIONS INC. OR TRINITY INDUSTRIES INC.
- ANCHORAGE DEVICES TO SECURE CRASH CUSHION TO THE EXISTING SURFACE SHALL BE SHOWN ON APPROVED SHOP DRAWINGS.
- WHEN REQUIRED, THE CONCRETE PAD, PAD EXCAVATION AND STEEL REINFORCEMENT, INSTALLED IN PLACE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CRASH CUSHION TYPE VI. USE CLASS AA CONCRETE TO CONSTRUCT CONCRETE PAD (SEE CONCRETE PAD SECTION FOR STEEL REQUIREMENTS). THE PAD SHALL BE CURED AND FINISHED AS EITHER SIDEWALK OR PAVEMENT. THE CROSS SLOPE OF THE PAD OR PAVEMENT SHALL NOT EXCEED 5%. THE PAD WILL NOT BE REQUIRED WHEN UNIT IS CONSTRUCTED ON RIGID PAVEMENT.
- THE PAD WILL NOT BE REQUIRED WHEN THE UNIT IS CONSTRUCTED ON EXISTING PAVEMENT OR BRIDGES AND THE COST OF ANCHORING SHALL BE INCLUDED IN THE UNIT PRICE OF THE CRASH CUSHION.
- USE WITH CURRENT STANDARD DRAWING RBC-110 WHEN CONNECTING TO DOUBLE FACE GUARDRAIL.
- PERMISSABLE ALTERNATES FOR CRASH CUSHION TYPE VI-BT OR CT ARE PATENTED (ONE SOURCE) ITEMS: ENERGY ABSORPTION SYSTEMS, INC. OF CHICAGO, IL., TRINITY INDUSTRIES, INC. OF DALLAS, TX. OR SCI. PRODUCTS, INC. OF ST. CHARLES, IL.
- THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP DRAWINGS TO THE CONTRACTOR WITH EACH INSTALLATION.

CLASS	SPEED (MPH)	ATTENUATOR			APPROX. CU. YD. CONC. FOR PAD
		MODEL	PRODUCT NAME	LENGTH	
B	45 & LESS	TL2	SHORTRACC	14'-0"	1.12
			3-BAY QUADGUARD	12'-0"	0.87
	OVER 45	TL3	TRACC	21'-0"	1.63
			6-BAY QUADGUARD	21'-0"	1.53

A CLASS CT CAN BE USED AT THE CONTRACTOR'S DISCRETION.

~ LEGEND ~

- ① NOSE ASSEMBLY
- ② CONSTRUCTION ZONE BACKUP
- ③ OBJECT MARKER TYPE 1, (SEE CUR. MUTCD MANUAL FOR DETAILS) CENTER HORIZ. AND VERT.

USE WITH CUR. STD. DWG. RBE-060 (SEE NOTE 11. FOR ACCOMPANYING DRAWINGS).

KENTUCKY  
DEPARTMENT OF HIGHWAYS

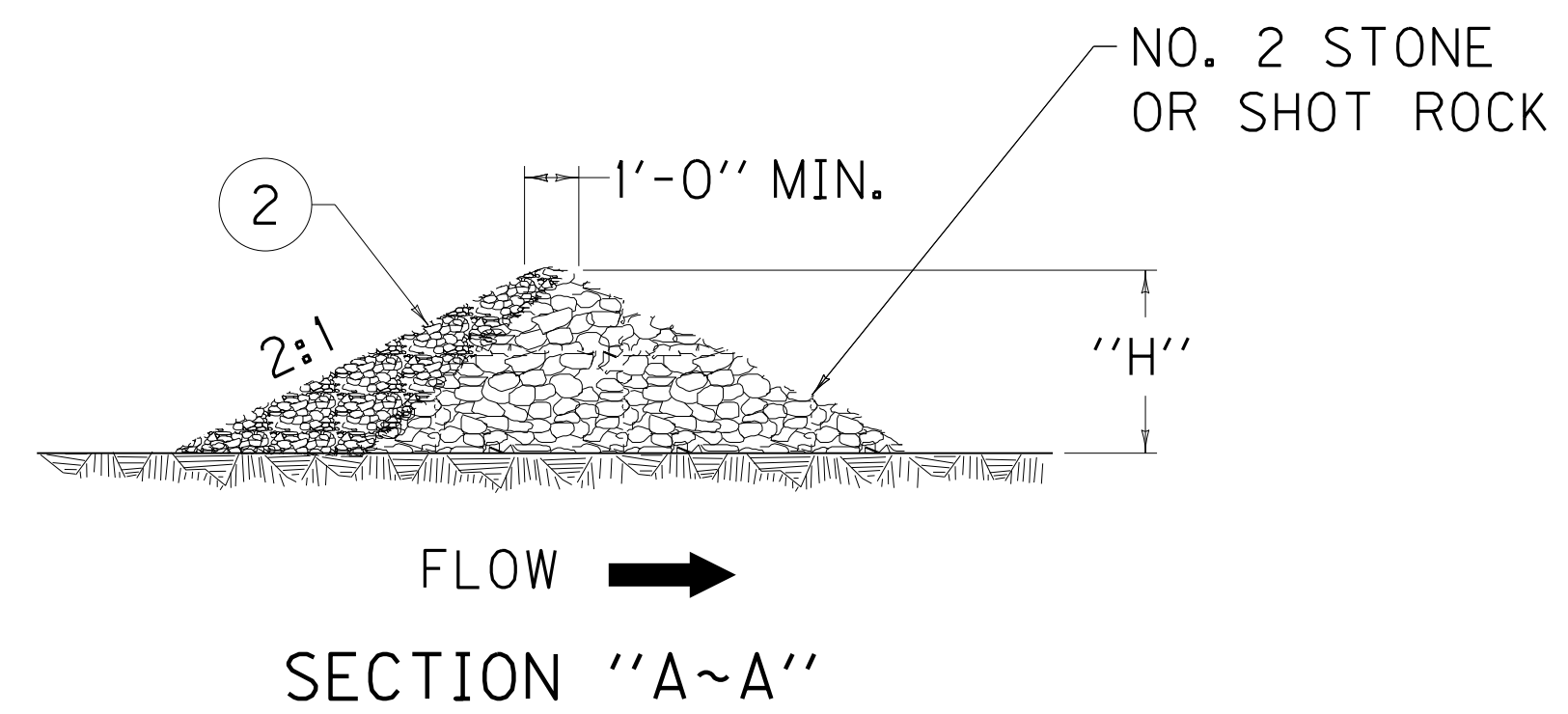
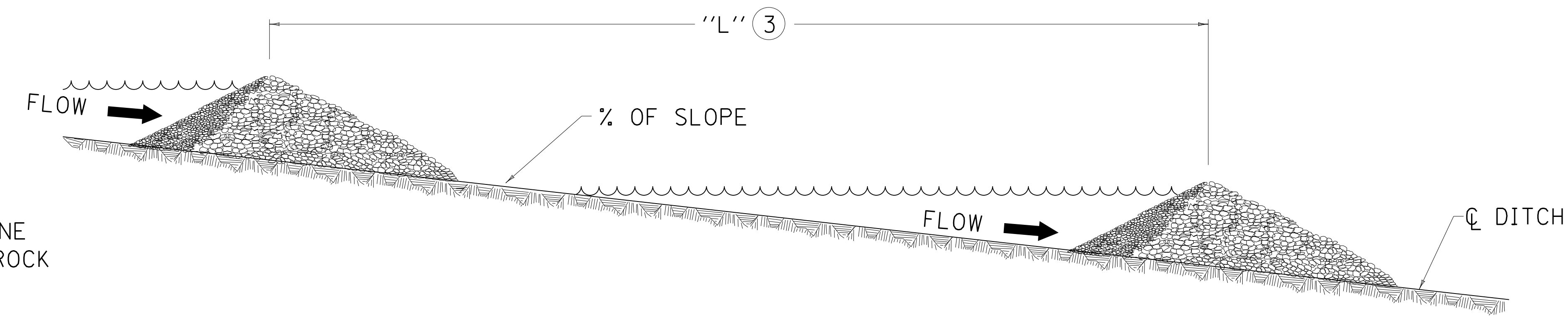
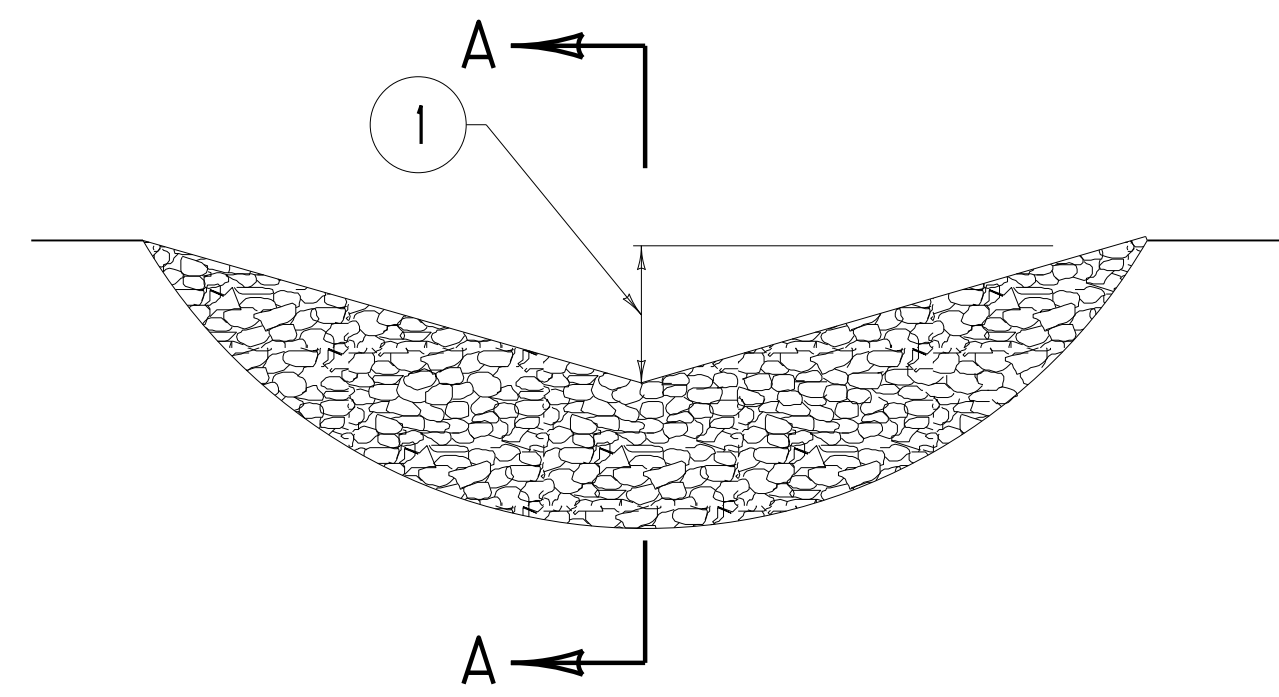
**CRASH CUSHION  
TYPE VI-BT**

SUBMITTED: *Jeff Jasper* 8-24-12  
DIRECTOR DIVISION OF HIGHWAY DESIGN DATE

009

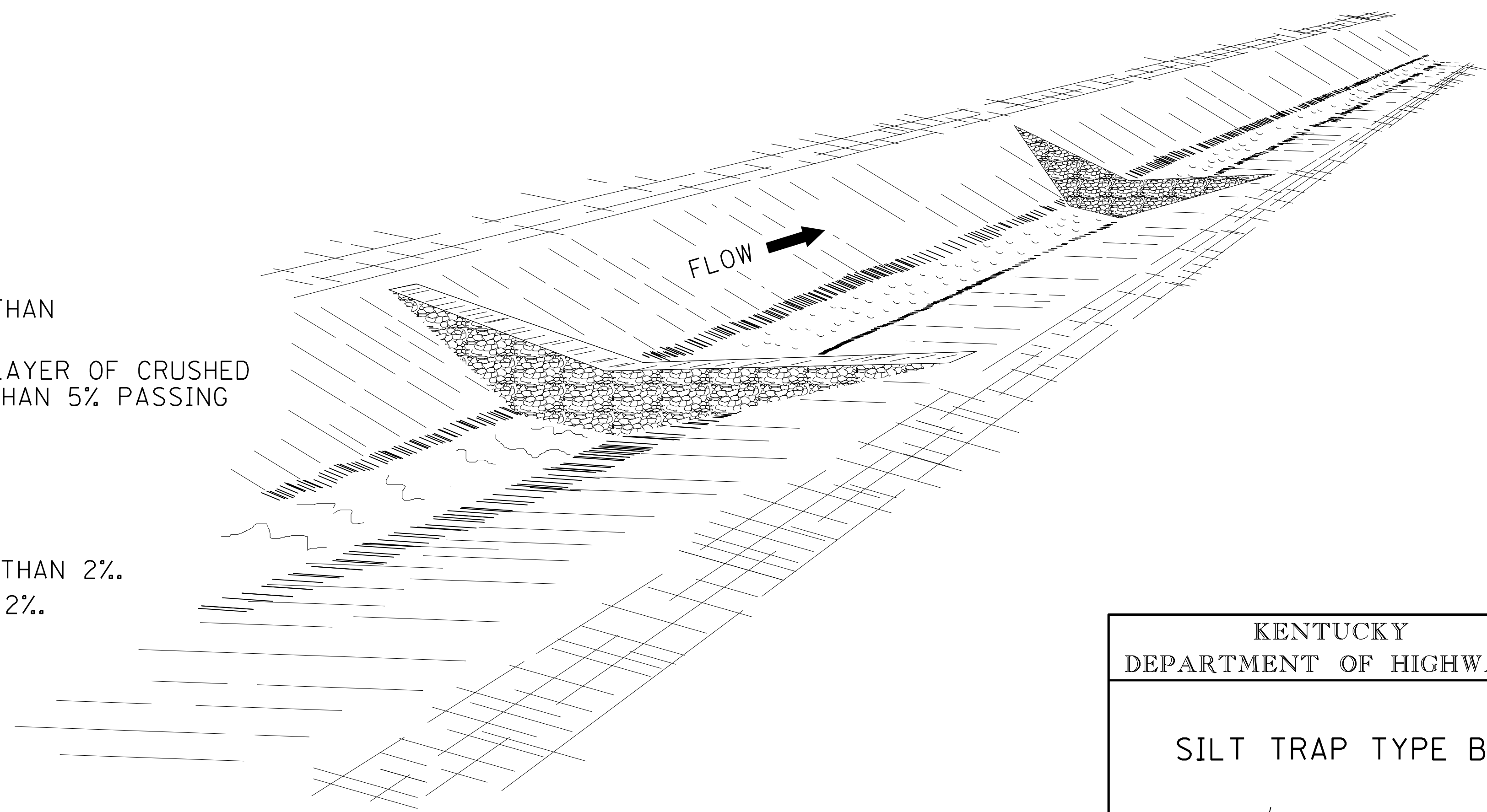
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USER: adam.ulrich  
DATE PLOTTED: May 14, 2014  
E-SHEET NAME:  
MicroStation v8.11.7.443



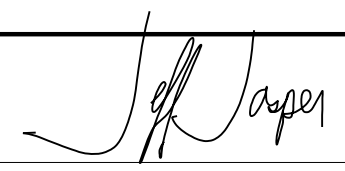
~NOTES~

- BID ITEM AND UNIT TO BID:
- | CODE | PAY ITEM               | PAY UNIT |
|------|------------------------|----------|
| 2704 | SILT TRAP TYPE B       | EACH     |
| 2707 | CLEAN SILT TRAP TYPE B | EACH     |
- ① MIDDLE OF SILT TRAP SHALL BE A MINIMUM OF 1'-0" LOWER THAN SIDES SO FLOW WILL NOT BYPASS TRAP OR ERODE BANKS.
  - ② UPSTREAM FACE OF SILT TRAP SHALL BE A FOUR INCH MIN. LAYER OF CRUSHED AGGREGATE HAVING 100% PASSING A 3" SIEVE AND NO MORE THAN 5% PASSING A NO. 8 SIEVE (SEE SECTION "A-A").
  - ③  $"L" = \frac{"H"}{\text{SLOPE OF DITCH}}$
  - ④ SPACE SILT TRAPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
  5. SILT TRAP TYPE B SHALL BE USED ON ALL SLOPES GREATER THAN 2%.
  6. SILT TRAP TYPE B MAY BE USED ON ALL SLOPES LESS THAN 2%.



KENTUCKY  
DEPARTMENT OF HIGHWAYS

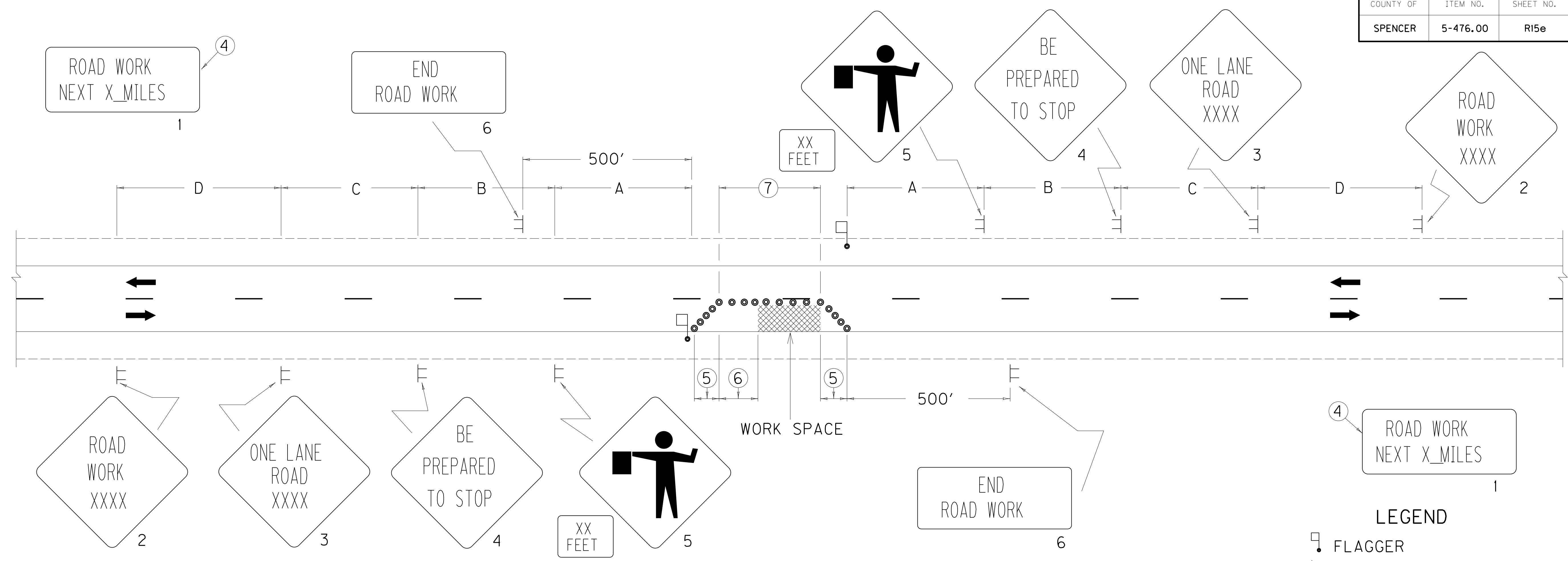
SILT TRAP TYPE B

SUBMITTED:  DATE: 7-18-13

016

SCALE: 1"=N/A

FILE NAME: C:\PWORK\ADAM.ULRICH\0872890\0150005.DGN  
 USER: adam.ulrich  
 DATE PLOTTED: May 14, 2014  
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- THE SIZE OF SIGNS 2 THRU 5 SHALL BE 48" X 48" WITH 30" X 24" SUPPLEMENTAL PLAQUES FOR EXPRESSWAYS/FREEWAYS. THE MINIMUM SIZE OF SIGNS 2 THRU 5 SHALL BE 36" X 36" WITH 24" X 18" SUPPLEMENTAL PLAQUES FOR OTHER ROADWAYS. SIGN NOS. 1 AND 6 SHALL BE 48" X 24" FOR EXPRESSWAYS/FREEWAYS AND 36" X 18" FOR OTHER ROADWAYS. A FREEWAY SHALL BE DEFINED AS A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS. AN EXPRESSWAY SHALL BE DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.
- THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE ACTIVITY AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE (REFER TO TABLE 6C-2 OF THE MUTCD). ILLUMINATION SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT.
- DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- SIGN NO. 1 SHOULD BE INSTALLED AT THE LIMITS OF THE PROJECT WHEN THE CONSTRUCTION ZONE IS LONGER THAN TWO MILES IN LENGTH. THE DISTANCE SHOWN SHALL BE STATED TO THE NEAREST WHOLE MILE.
- TAPERS SHALL BE 50' (MIN) TO 100' (MAX) IN LENGTH. SPACING OF CHANNELIZING DEVICES SHOULD BE 20' THRU THE TAPER AREAS.
- BUFFER SPACE (OPTIONAL). IF USED, THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL OR CREST VERTICAL CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.
- SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHOULD BE 80'. ON ROADWAYS WITH WIDTHS LESS THAN 20 FEET, CHANNELIZING DEVICES MAY BE OMITTED THRU THE ACTIVITY AREA BASED ON ENGINEERING JUDGMENT.
- WHEN NIGHTTIME WORK IS BEING PERFORMED, FLOODLIGHTS SHOULD BE USED TO ILLUMINATE THE WORK AREA.

- LEGEND**
- ☐ FLAGGER
  - ⊥ SIGN
  - CHANNELIZING DEVICES  
CONES  
DRUMS  
TYPE II BARRICADES  
TUBULAR MARKERS

DRAWING NOT TO SCALE  
USE WITH CURRENT  
STD. DWG TTD-110

SIGNING AND SPACING TABLE				
ROAD TYPE	A	B	C	D
EXPRESSWAY/ FREEWAY	1000'	500'	1100'	2600'
SP. LT. ≥ 45 MPH*	500'	500'	500'	1100'
SP. LT. ≤ 40 MPH*	250'	250'	250'	250'

\*NOTE: USE NORMAL POSTED SPEED LIMIT SCALE: 1"=N/A

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**LANE CLOSURE  
TWO-LANE HIGHWAY**

SUBMITTED *B. Jeffrey Wolfe* 8-29-13  
DATE

017

**APPLICATION**  
THIS DRAWING APPLIES TO LANE CLOSURES ON TWO-LANE, TWO DIRECTION HIGHWAYS.

FILE NAME: G:\PWORK\ADAM.LULRICH\0872890\0150EDS.DGN  
 USER: adam.lulich  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

# TRAFFIC MANAGEMENT PLAN

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476	R16

## TRAFFIC MANAGEMENT PLAN NOTES

1. Traffic shall be maintained in accordance with the current editions of the Manual on Uniform Traffic Control Devices, the Standard Specifications for Road and Bridge Construction and the Standard Drawings. Traffic travelling through the work zone must be protected from all obstacles for the duration of construction.
2. The Contractor shall maintain a two-lane traveled way with a minimum pavement width of 20 feet. However, during working hours one-way traffic may be allowed at the discretion of the Engineer, provided adequate signing and flagpersons are at the location. There shall be no lane closures allowed on weekdays between the hours of 7am to 9am and 2pm to 6pm.
3. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current Standard Specifications for Road and Bridge Construction unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:

  - a. All grading and necessary drainage (unless a bid item for diversion construction is included) for the temporary roadway and removal thereof when it is no longer needed. If a bid item for diversions is included, grading and drainage will be paid for in the bid item "Diversions".
  - b. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
  - c. All flagpersons and traffic control devices such as, but not limited to, flashers, signs, barricades, vertical panels, plastic barrels (steel barrels will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the Manual on Uniform Traffic Control Devices, or by the Engineer.
4. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor, unless otherwise addressed, when no longer needed.
5. The Contractor shall completely cover any signs, either existing, permanent or temporary which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or are removed.
6. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite to the flow of traffic.
7. The Engineer and the Contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers, or detours. All signing shall be approved by the Engineer before work can be started by the Contractor.
8. If the Contractor desires to deviate from the traffic control scheme and construction schedule outlined in these plans and this proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Design and Construction, and the Federal Highway Administration where applicable.
9. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.
10. Any roadways that are anticipated to be in use for a period of seven consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials as directed by the Engineer. The contractor will be assessed damages of \$1000/day for the time after 7 days that the roadway is not paved unless approved by the engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.
11. During construction, if the Contractor moves equipment, material, etc. back and forth across public roadways that remain open, special provisions may be required by the Engineer. This may include but is not limited to, plating of existing pavements, flaggers, special signing, or lighting to emphasize the construction equipment crossing the roadway.
12. All signs necessary for a marked detour will be provided by the contractor as required by standard drawings and the MUTCD. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.
13. PROJECT PHASING AND CONSTRUCTION PROCEDURES

The specified completion date for this project is November 15, 2014.

During allowable working hours, single lane closures will be allowed when required by the actual work in progress. Maintain a minimum of one 13' traffic lane at all times during construction. At all times necessary for one lane-traffic operation, flaggers shall be used. Unless otherwise specified by the Engineer, the clear lane widths for 2-way traffic shall be 10 feet. Provide additional traffic control or flaggers as directed by the Engineer. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, the Contractor shall make provisions for the passage of the school bus as quickly as possible.

Phase I widening along KY 155/55, not pertaining to KY 1169, will be allotted 2 calendar weeks for completion.

Night work is allowed during the construction of this project.
14. DIFFERENCE IN ELEVATION FOR TRAVEL LANES

A pavement edge that traffic is expected to cross in a lane change situation should not have an elevation difference greater than 1-1/4 inches.
15. PAVEMENT DROP-OFF

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

  - Less than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.
  - 2 to 4 inches - Place plastic barrels, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 miles per hour or greater. Cones may be used in place of plastic barrels, panels, and barricades during daylight hours. For tangent sections with speeds less than 50 miles per hour and curves, devices should be in accordance with the Manual on Uniform Traffic Control Devices.
  - Greater than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, barrels, panels, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barricades are used, reflective devices or steady burn lights should be used for overnight installation.

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

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

Payment will be allowed for the D.G.A. used for wedging.
16. LANE & SHOULDER CLOSURES:

Do not leave short term lane closures in place during non-working hours. The lengths of the lane closures shall be only that needed for actual operations in accordance with the phasing specified herein, or as directed by the Engineer. A minimum of one lane must be kept open during all times with a minimum width of 13'. Traffic shall not be stopped for more than 15 minutes at a time and can only occur according to the following:

Prior to beginning construction, provide for approval by the Engineer a written plan for maintaining lane and shoulder closures during construction. Specifically identify locations where lane closures shall be in place and the anticipated duration of the closures. Include plans for signing required to implement and maintain the lane and shoulder closures. Channelization devices for lanes closures shall be drums unless otherwise specified in the Maintenance of Traffic Plans.
17. REMOVAL OF PAVEMENT MARKINGS

The Contractor shall remove all pavement markings that do not conform to the traffic operation in use. In areas where the marking will conform to the final marking scheme or for other reasons will not be removed, markings shall be of a permanent type pavement marking material. All temporary markings which must be subsequently removed from the ultimate pavement shall be an approved temporary striping paint. Temporary striping paint shall be measured in linear feet for payment.

Markings on existing or temporary pavement may be removed by either an abrasion or burning process to the satisfaction of the Engineer. Painting of existing markings with bituminous or other materials to obliterate the markings shall not be allowed.
18. CONTRACTOR'S VEHICLES

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

Portable Changeable Message Signs shall be placed at locations approved by the engineer. Upon project completion, the variable message signs shall remain in possession of the Contractor.
20. Local access shall be maintained during all construction phases.
21. END OF CONSTRUCTION

In the final phase, all lane closures will be removed and the facility will be reopened to traffic. Final surfacing operations will be completed for the entire project. This work will be done under traffic using lane closures and flaggers.
22. SPECIFIED HOLIDAYS IN WHICH NO LANE CLOSURES ARE PERMITTED:

Unless the road closure is in place, no lane closures along KY 155/55 or KY 1169 will be allowed on the following days or nights:

July 4-6, 2014	Independence Day
Aug. 30-Sept. 1, 2014	Labor Day weekend
Nov. 27-30, 2014	Thanksgiving weekend
Dec. 24-28, 2014	Christmas Holiday
Dec. 31, 2014-Jan. 1, 2015	New Years Holiday
23. PROJECT DISCRETION:

Refer to Section 108.09 of the current edition of the KENTUCKY STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION for disincentive rates applicable to work and phase completion.
24. TEMPORARY CRASH CUSHIONS:

During Phase 2B Construction, phase work so that there are no more than two breaks in the barrier wall at one time for maintaining entrances.
25. BLASTING:

Blasting shall be prohibited on this project. Rock structure excavation shall be performed in a method approved by the Engineer.

FOR MAINTENANCE OF  
TRAFFIC ONLY

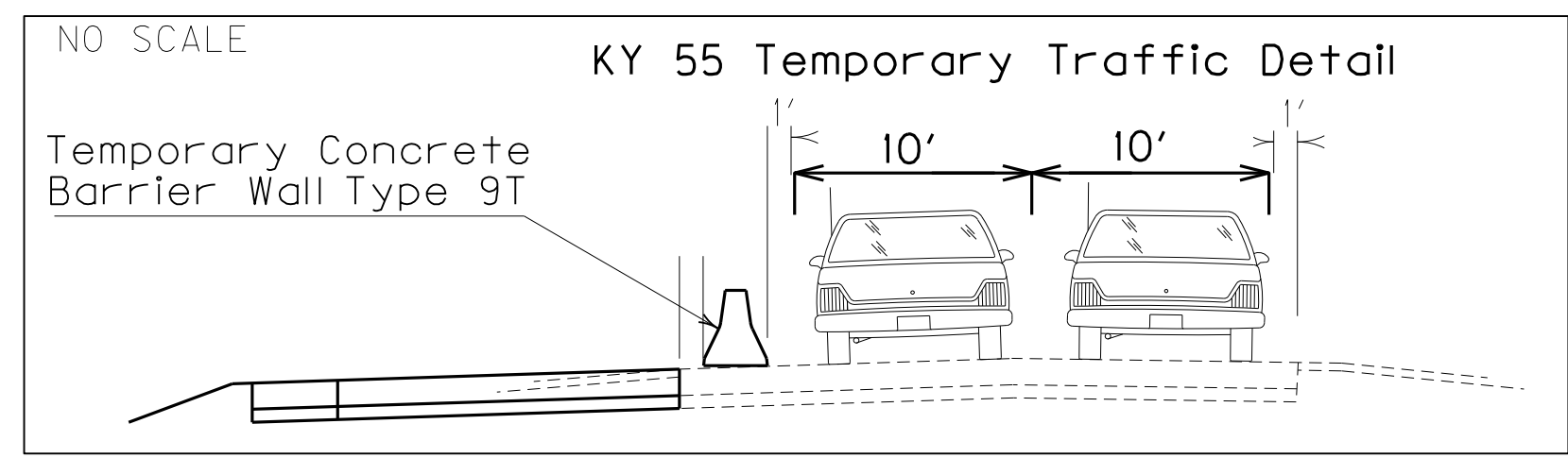
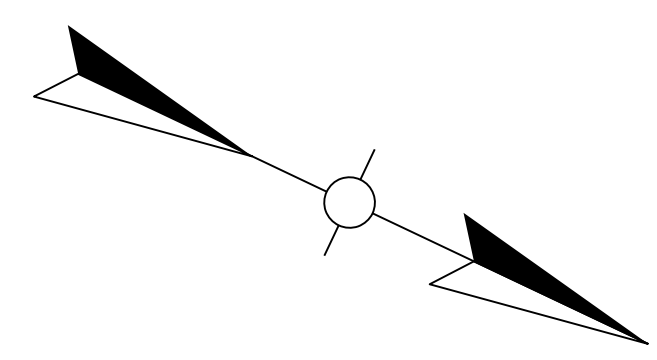
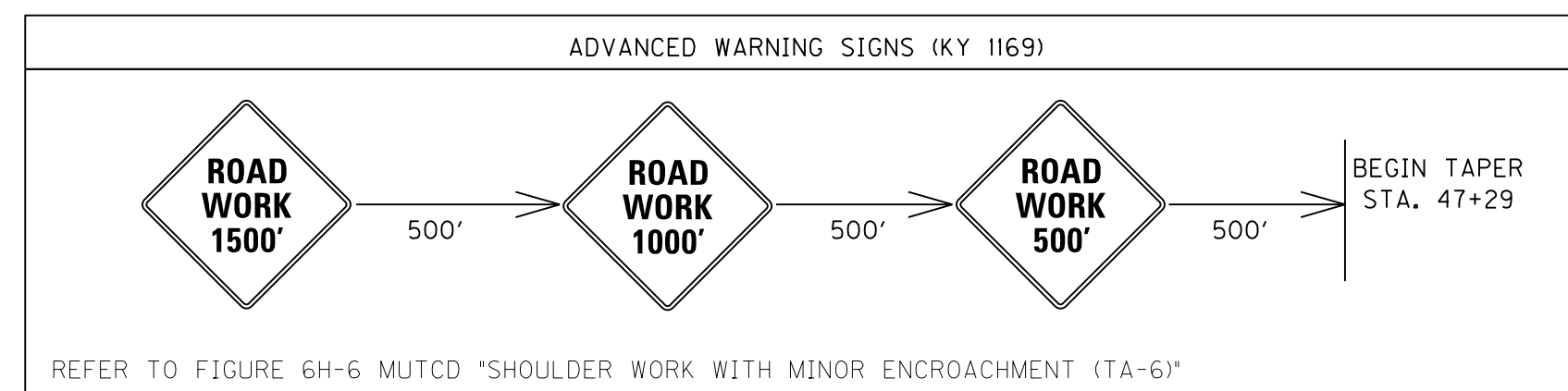
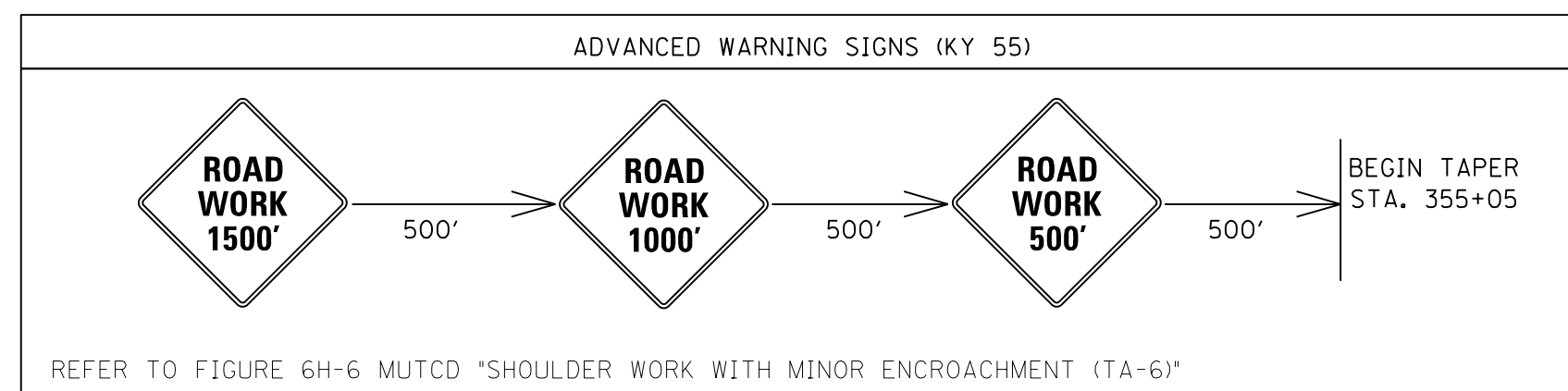
CONSTRUCTION PHASING NOTES

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DATE PLOTTED: March 3, 2014

E-SHEET NAME:

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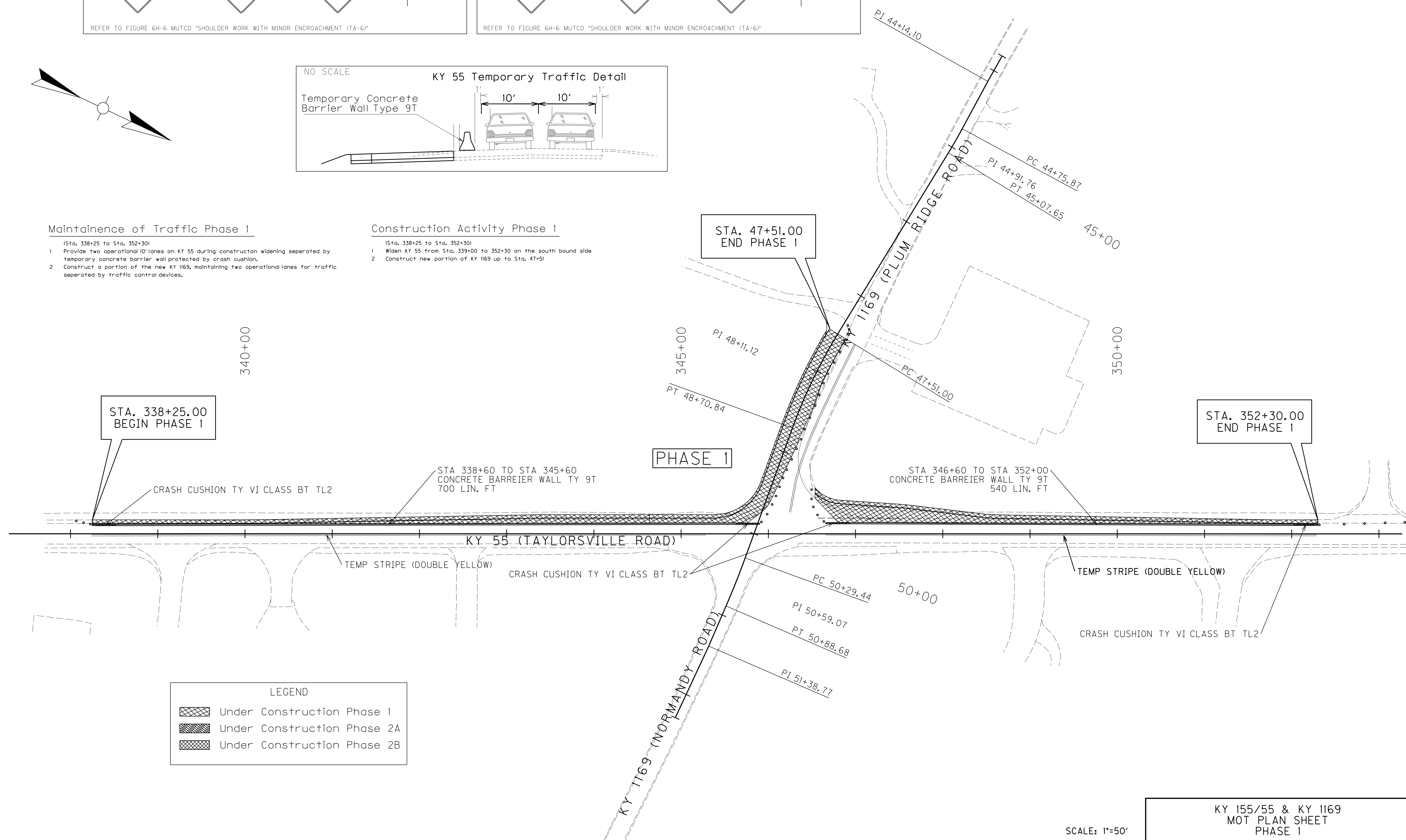


Maintenance of Traffic Phase 1

- (Sta. 338+25 to Sta. 352+30)
- 1 Provide two operational 10' lanes on KY 55 during construction widening separated by temporary concrete barrier wall protected by crash cushion.
  - 2 Construct a portion of the new KY 1169, maintaining two operational lanes for traffic separated by traffic control devices.

Construction Activity Phase 1

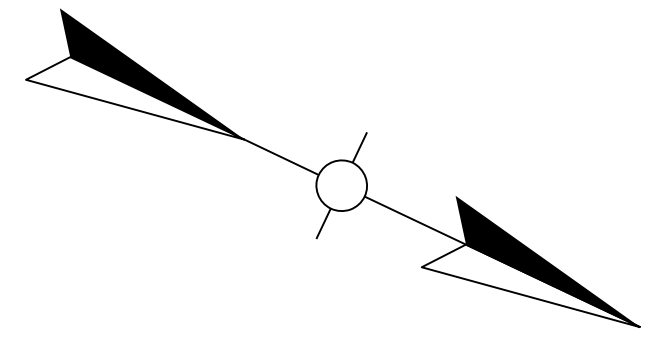
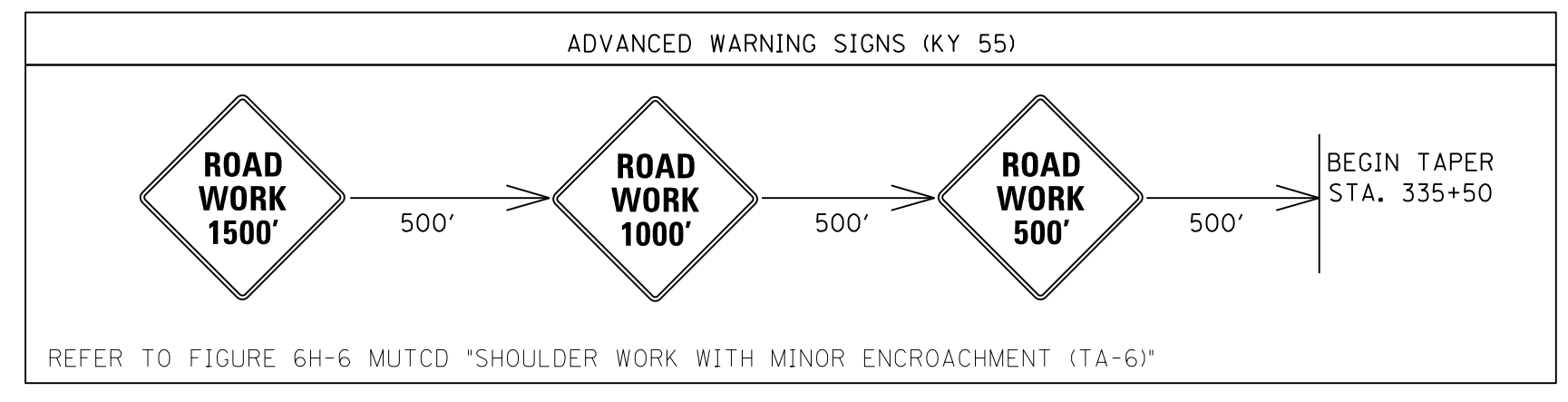
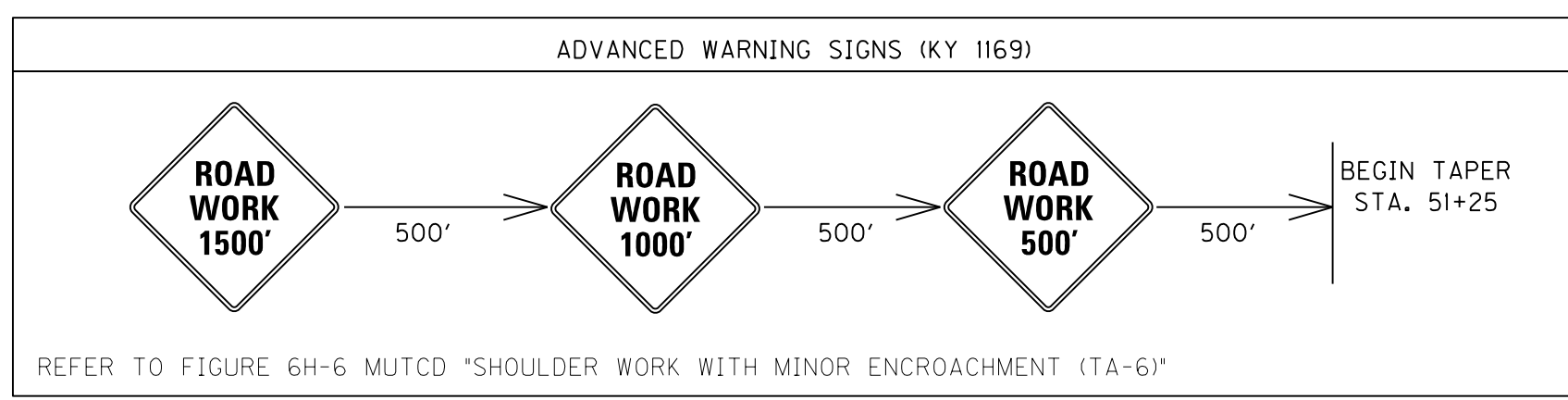
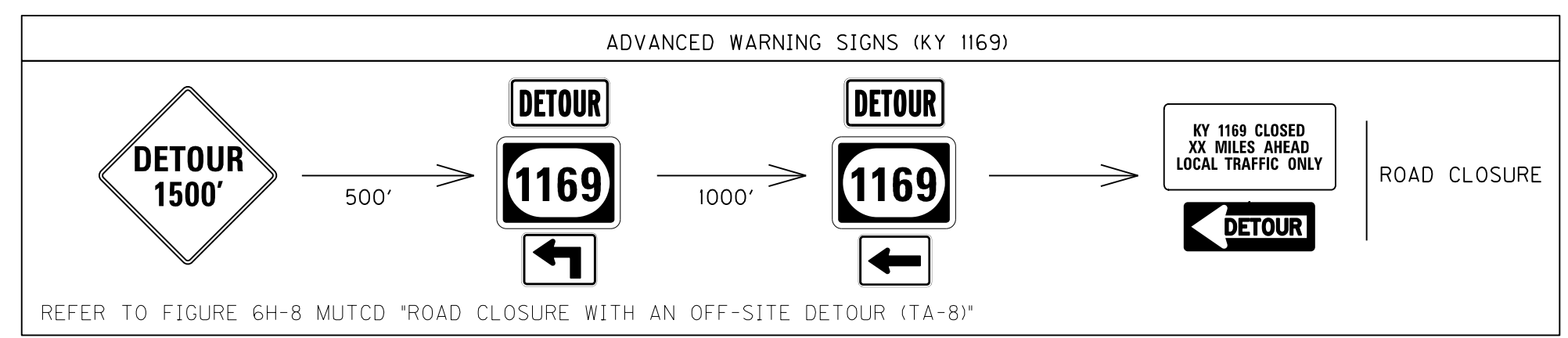
- (Sta. 338+25 to Sta. 352+30)
- 1 Widen KY 55 from Sta. 339+00 to 352+30 on the south bound side
  - 2 Construct new portion of KY 1169 up to Sta. 47+51



LEGEND

	Under Construction Phase 1
	Under Construction Phase 2A
	Under Construction Phase 2B

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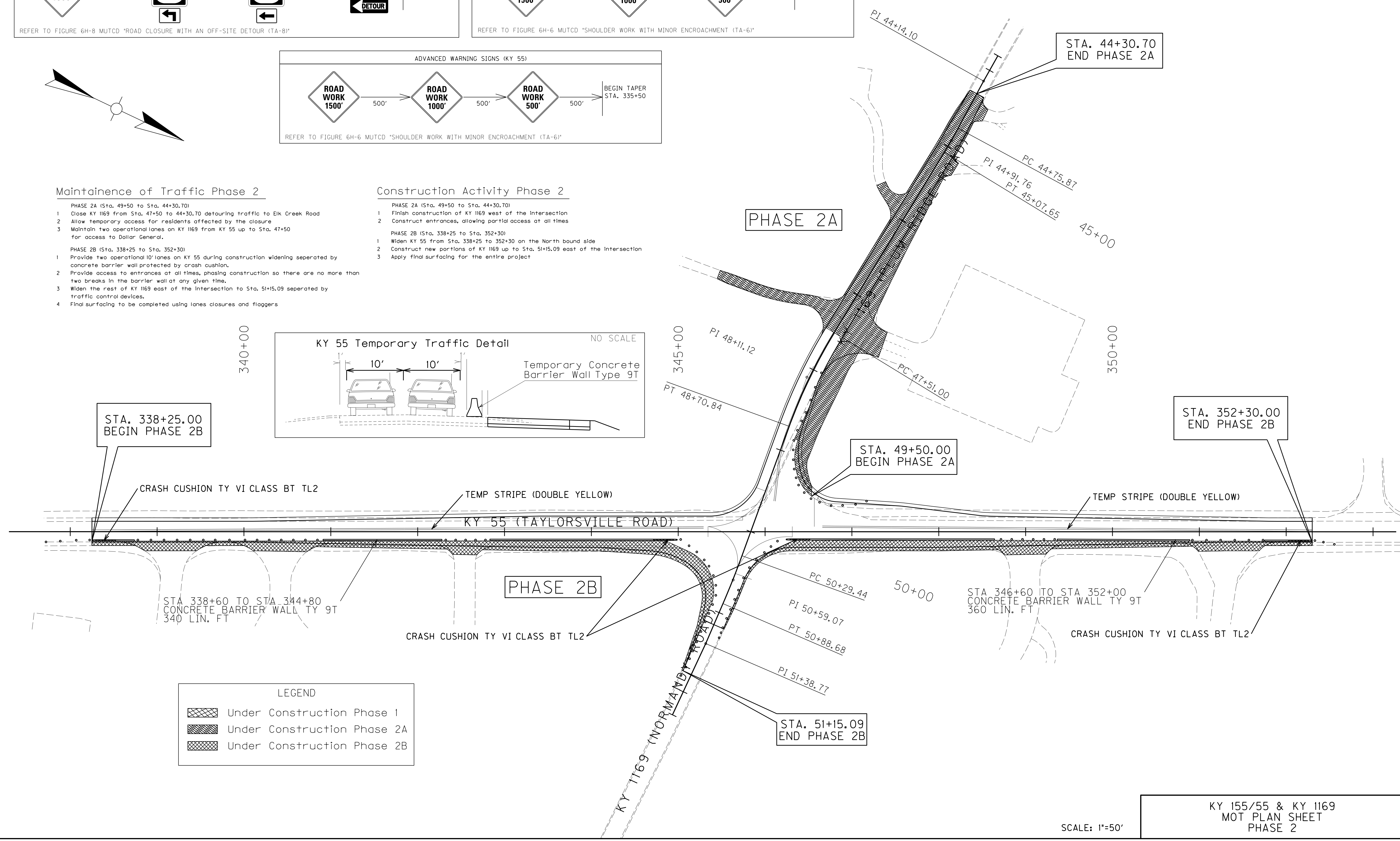
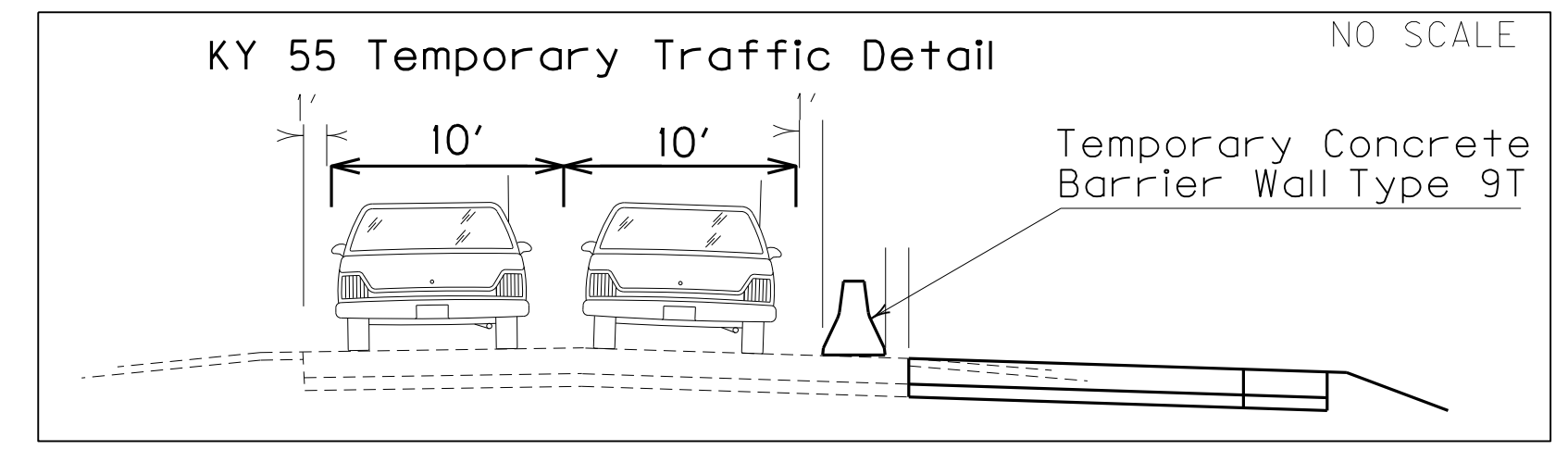


**Maintenance of Traffic Phase 2**

- PHASE 2A (Sta. 49+50 to Sta. 44+30.70)
- 1 Close KY 1169 from Sta. 47+50 to 44+30.70 detouring traffic to Elk Creek Road
  - 2 Allow temporary access for residents affected by the closure
  - 3 Maintain two operational lanes on KY 1169 from KY 55 up to Sta. 47+50 for access to Dollar General.
- PHASE 2B (Sta. 338+25 to Sta. 352+30)
- 1 Provide two operational 10' lanes on KY 55 during construction widening separated by concrete barrier wall protected by crash cushion.
  - 2 Provide access to entrances at all times, phasing construction so there are no more than two breaks in the barrier wall at any given time.
  - 3 Widen the rest of KY 1169 east of the intersection to Sta. 51+5.09 separated by traffic control devices.
  - 4 Final surfacing to be completed using lanes closures and flaggers

**Construction Activity Phase 2**

- PHASE 2A (Sta. 49+50 to Sta. 44+30.70)
- 1 Finish construction of KY 1169 west of the intersection
  - 2 Construct entrances, allowing partial access at all times
- PHASE 2B (Sta. 338+25 to Sta. 352+30)
- 1 Widen KY 55 from Sta. 338+25 to 352+30 on the North bound side
  - 2 Construct new portions of KY 1169 up to Sta. 51+5.09 east of the intersection
  - 3 Apply final surfacing for the entire project



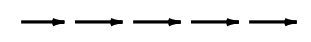

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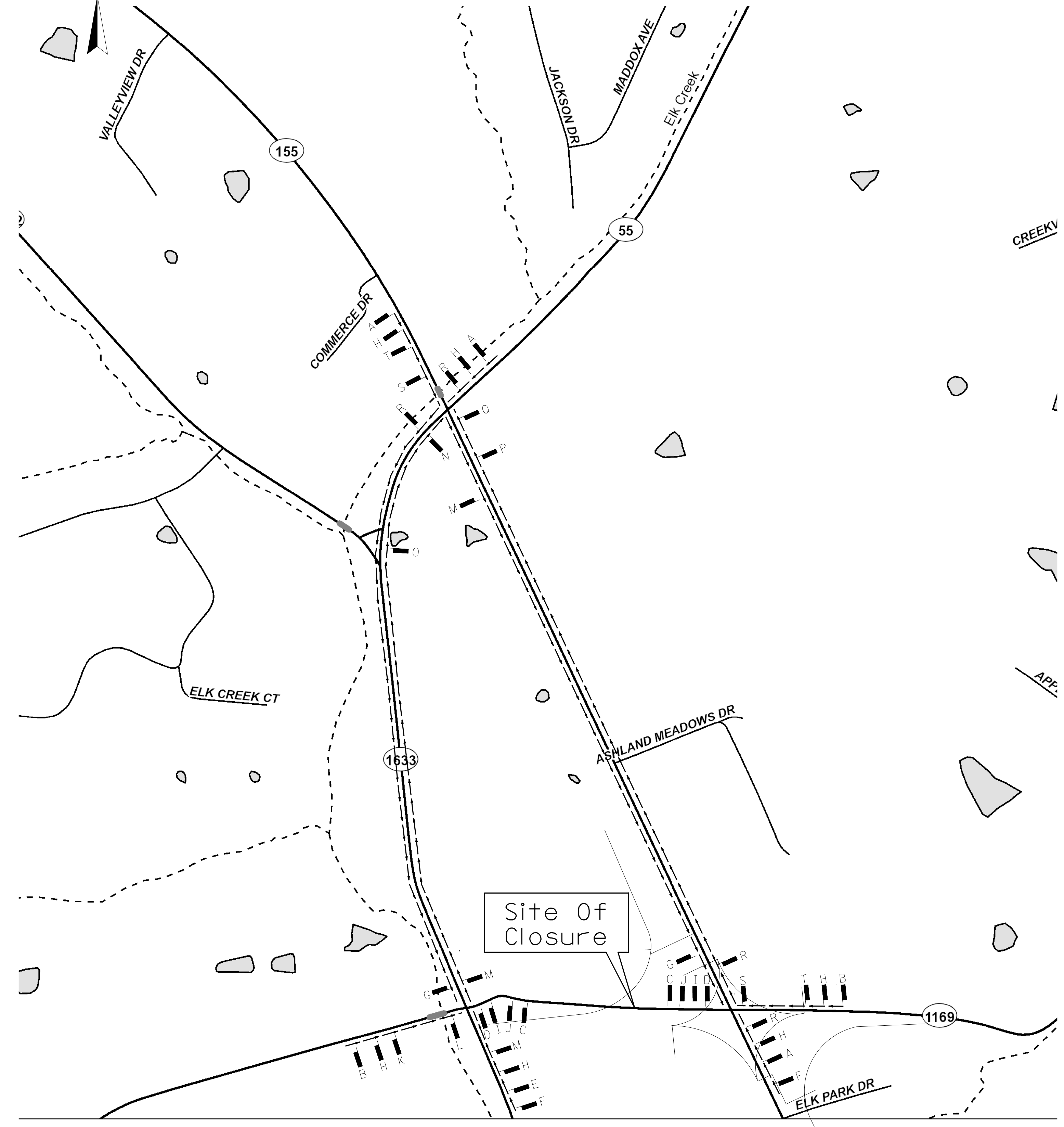
	Under Construction Phase 1
	Under Construction Phase 2A
	Under Construction Phase 2B


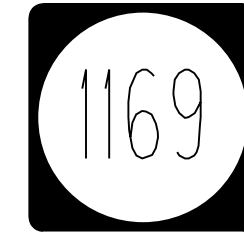
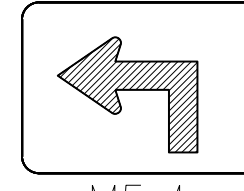
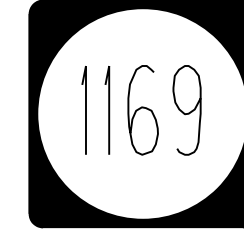
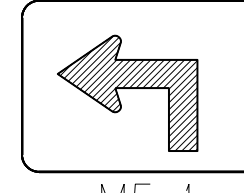
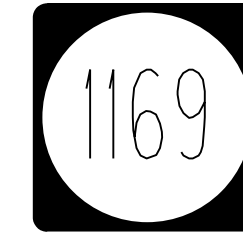
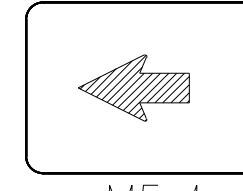
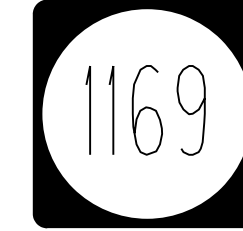
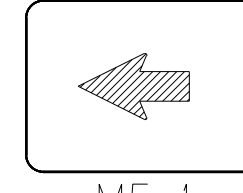
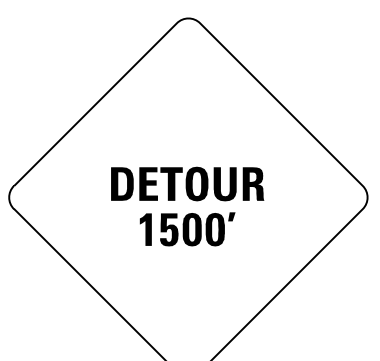
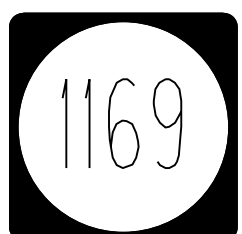
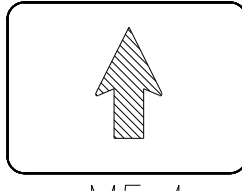

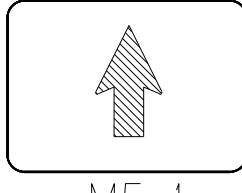

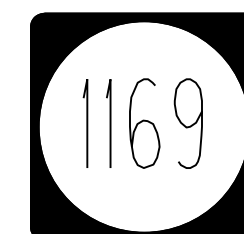
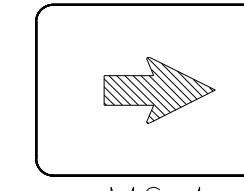
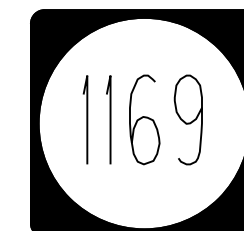
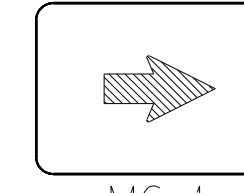

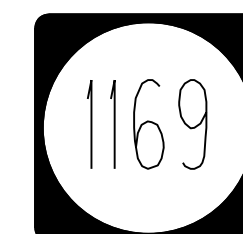
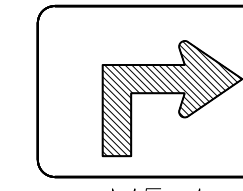
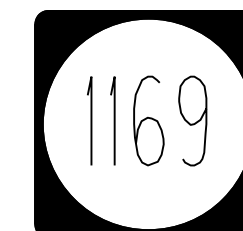
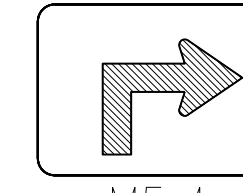
KY 155/55 & KY 1169  
MOT PLAN SHEET  
PHASE 2

SCALE: 1"=50'

FILE NAME: C:\PWORK\ADAM.LULRICH\AD0872890\1606BMT.DGN  
 USER: Patrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

DETOUR ROUTE   
 DETOUR SIGN 



<p><b>TO WEST KY 1169 FOLLOW DETOUR</b></p> <p>(60" x 30") A</p> <p></p> <p>W20-3 (36" x 36")</p> <p><b>SIDE ROAD</b></p> <p>(24" x 24") F</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>EAST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") K</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>WEST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") P</p>	<p><b>KY 1169 CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY</b></p> <p>(60" x 30") B</p> <p><b>END DETOUR</b></p> <p>M4-8a (24" x 18") G</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>EAST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") L</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>WEST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") Q</p>	<p><b>ROAD CLOSED</b></p> <p>R11-2 (48" x 30") C</p> <p></p> <p>W20-2 (36" x 36") H</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>EAST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") M</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>WEST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") R</p>	<p><b>KY 1169 WILL BE TEMPORARILY CLOSED XX MILES AHEAD BEGINNING ON XXXX-XX-2014</b></p> <p>(60" x 30") D</p> <p></p> <p>W20-3 (36" x 36") I</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>EAST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M6-1 (21" x 15") N</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>WEST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M6-1 (21" x 15") S</p>	<p><b>TO EAST KY 1169 FOLLOW DETOUR</b></p> <p>(60" x 30") E</p> <p></p> <p>W20-3 (36" x 36") J</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>EAST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") O</p> <p><b>DETOUR</b></p> <p>M4-8 (24" x 12")</p> <p><b>WEST</b></p> <p>M3-1 (24" x 12")</p> <p></p> <p>M1-4 (30" x 24")</p> <p></p> <p>M5-1 (21" x 15") T</p>
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DETOUR SIGNING - 428.2 SQ FT

SCALE: NTS

ALL SIGNS SHALL BE PLACED IN LOCATIONS NOTED OR AS DIRECTED AND/OR APPROVED BY THE ENGINEER. USE EXISTING KY 1169 SIGNAGE WHERE AVAILABLE

KY 155/55 & KY 1169  
TRAFFIC CONTROL  
DETOUR MAP AND SIGNING DETAIL

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\R016OCMT.DGN  
 USER: Portick, Mothony  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME: R00900TC  
 MicroStation v8.11.7.443

## EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH ADDED SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UP GRADIENT AREAS NOT DISTURBED (ACRES).
- UP GRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH.(ACRES).
- THE USE OF TEMPORARY MULCH IS ENCOURAGED.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES). AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2 OR SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE MOST REMOTE DOWNSTREAM COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOW EXIST, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND SECTION ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE OCTOBER, 2004 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER THEY BECOME ONE- HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE SECTION ENGINEER.

EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE SECTION ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.

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USER: Potrick, Mothony  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

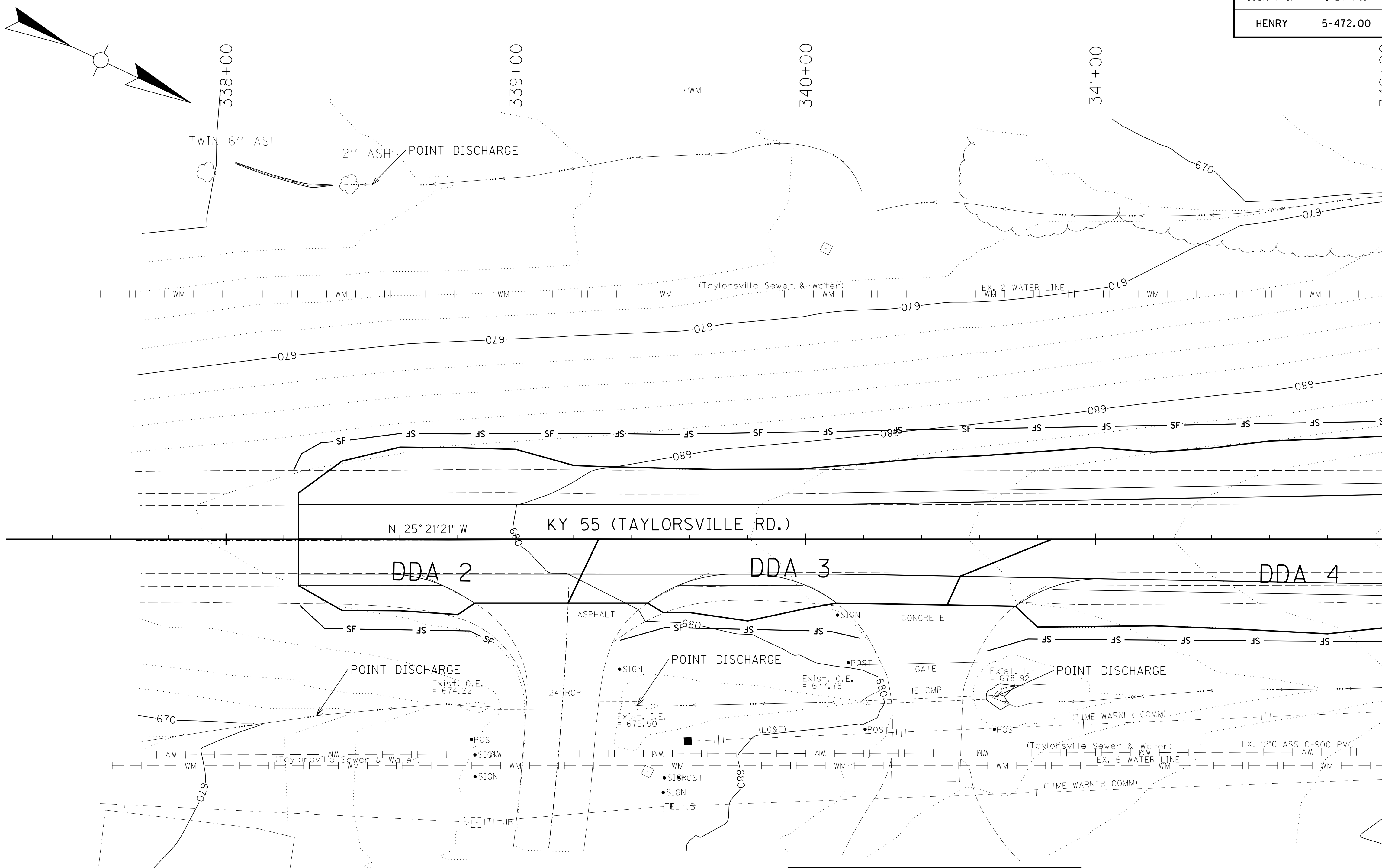
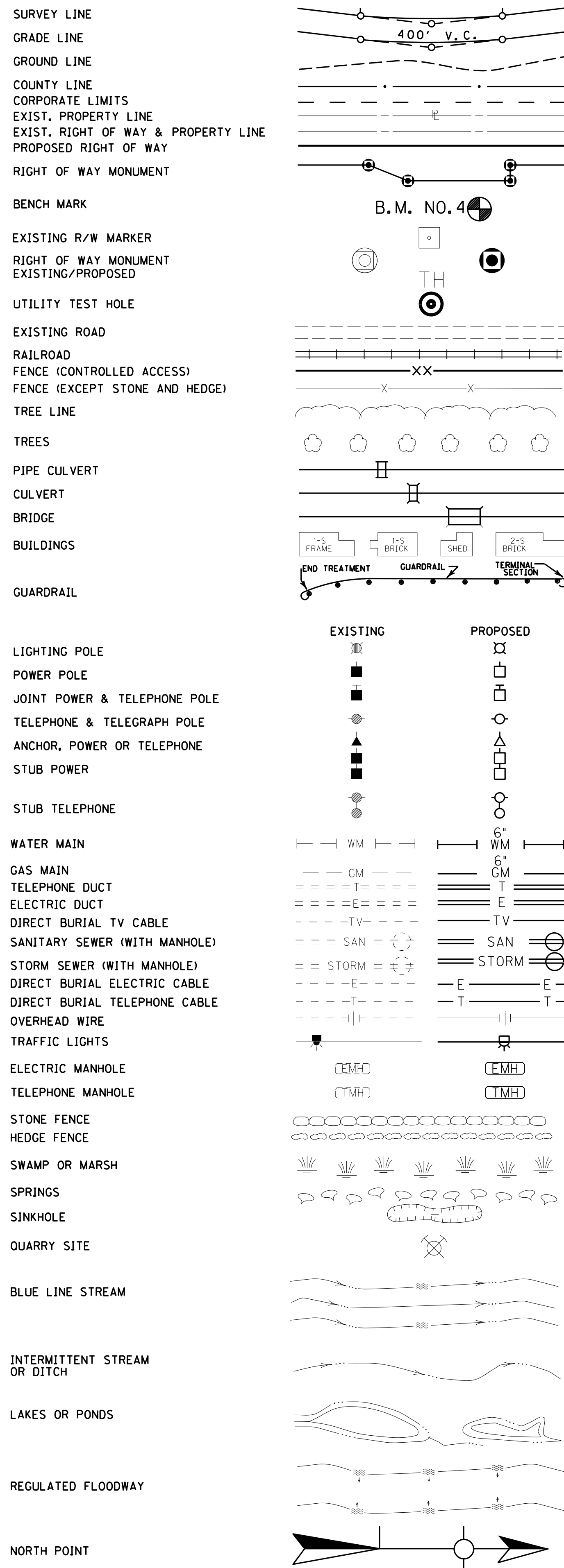
MicroStation v8.11.7.443

SCALE: NTS

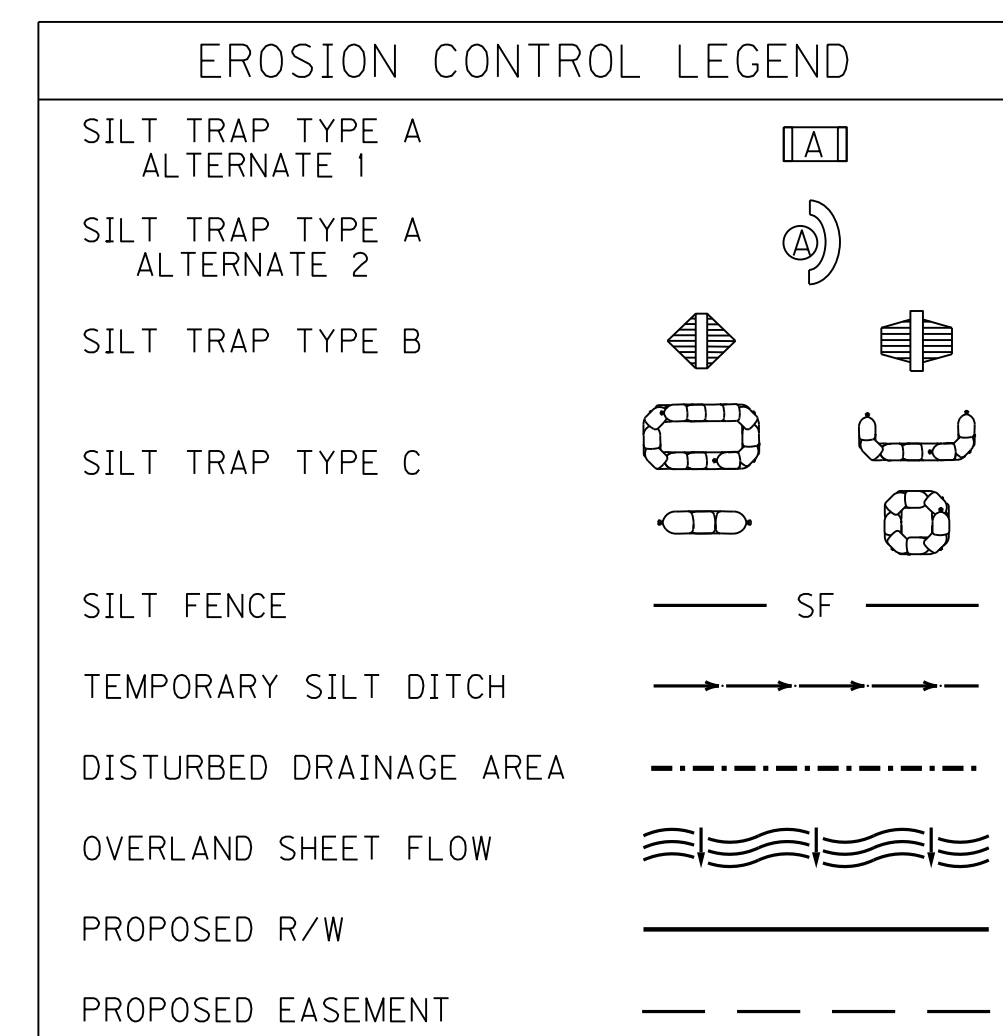
KY 155/55  
EROSION CONTROL  
NOTES



### CONVENTIONAL SIGNS



SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 2	.052 Acres	187
DDA 3	.075 Acres	270
DDA 4	.136 Acres	490



SCALE: 1"=20'

DESIGNED BY: \_\_\_\_\_  
 DATE SUBMITTED: \_\_\_\_\_

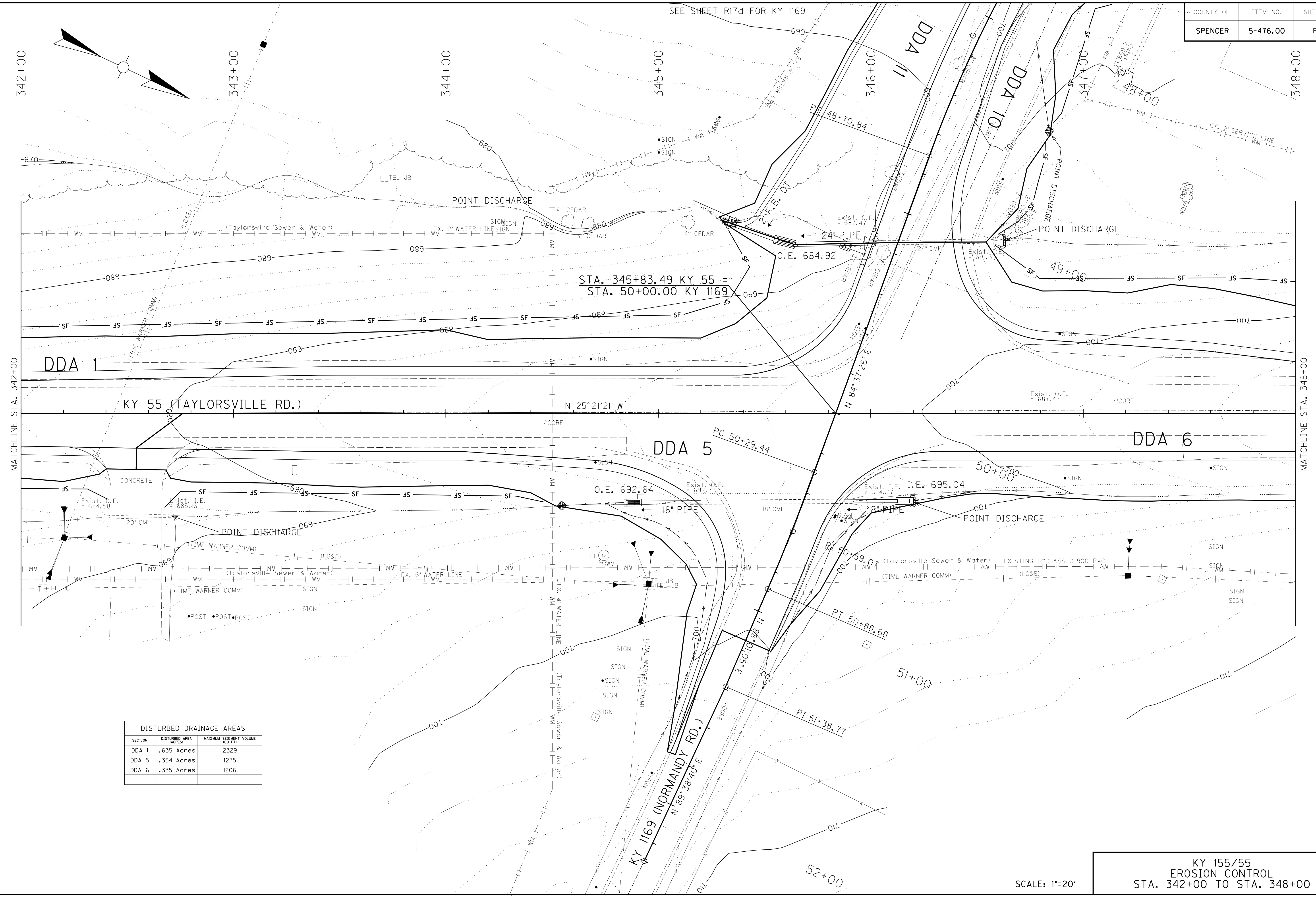
**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
 COUNTY OF  
**SPENCER**

PROJECT 5-476.00  
 NUMBERS: FD04 108 0055 010-011

155/5  
 KY  
 EROSION CONTROL  
 STA. 338+25 - STA. 342+00

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\0170AEC.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

MATCHLINE STA. 342+00



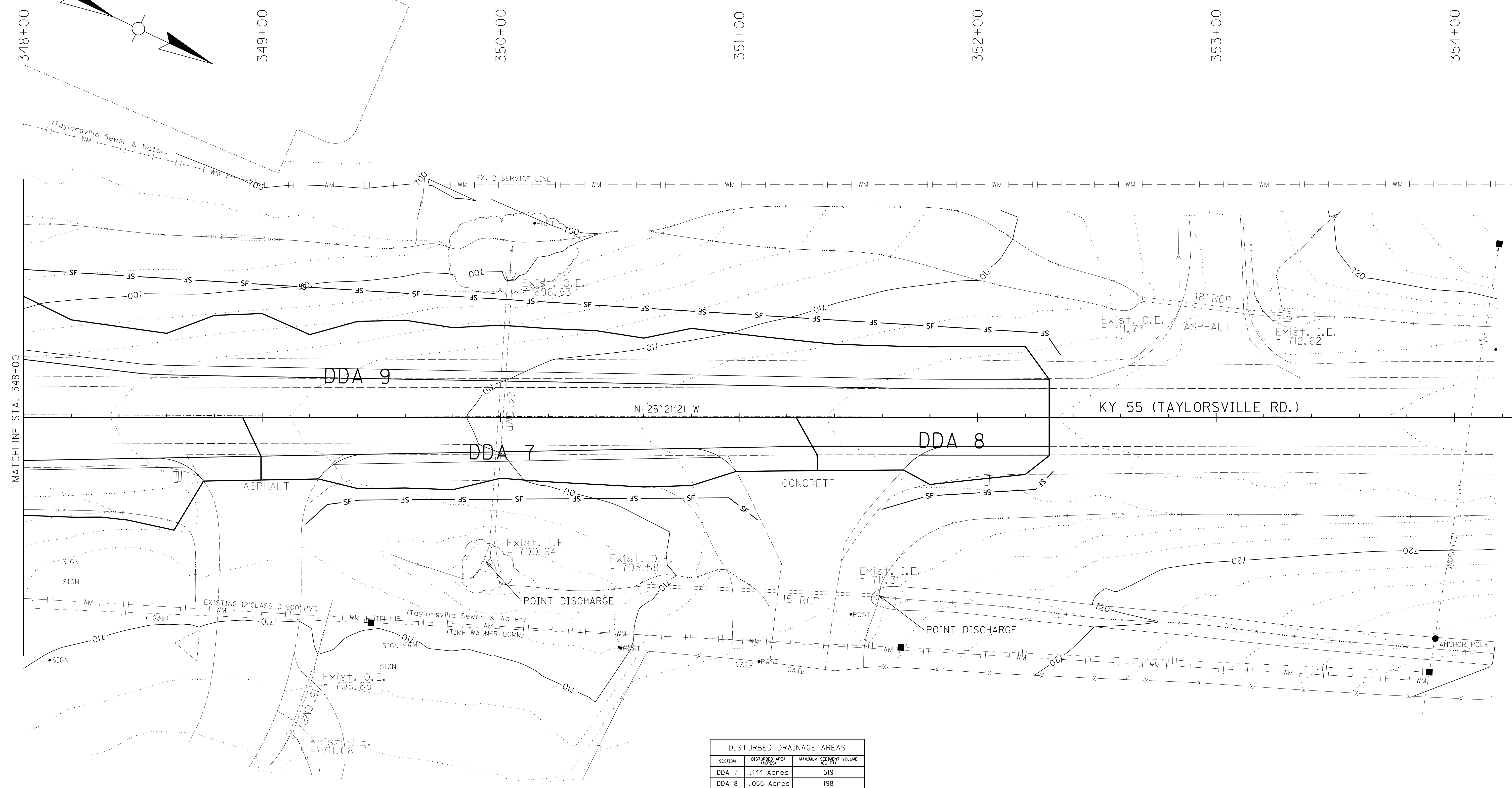
STA. 345+83.49 KY 55 =  
STA. 50+00.00 KY 1169

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 1	.635 Acres	2329
DDA 5	.354 Acres	1275
DDA 6	.335 Acres	1206

KY 155/55  
 EROSION CONTROL  
 STA. 342+00 TO STA. 348+00

SCALE: 1"=20'

FILE NAME: G:\PWORK\ADAM.LULRICH\0872890\R0170BEC.DGN  
 USER: Patrick, Matthew  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 7	.144 Acres	519
DDA 8	.055 Acres	198
DDA 9	.656 Acres	2362

FILE NAME: G:\PWORK\ADAM.LULRICH\0872890\R0170CEC.DGN

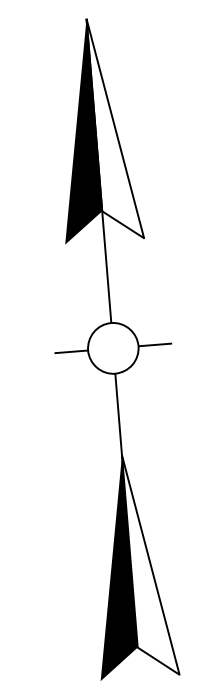
USER: Patrick, Matthew  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

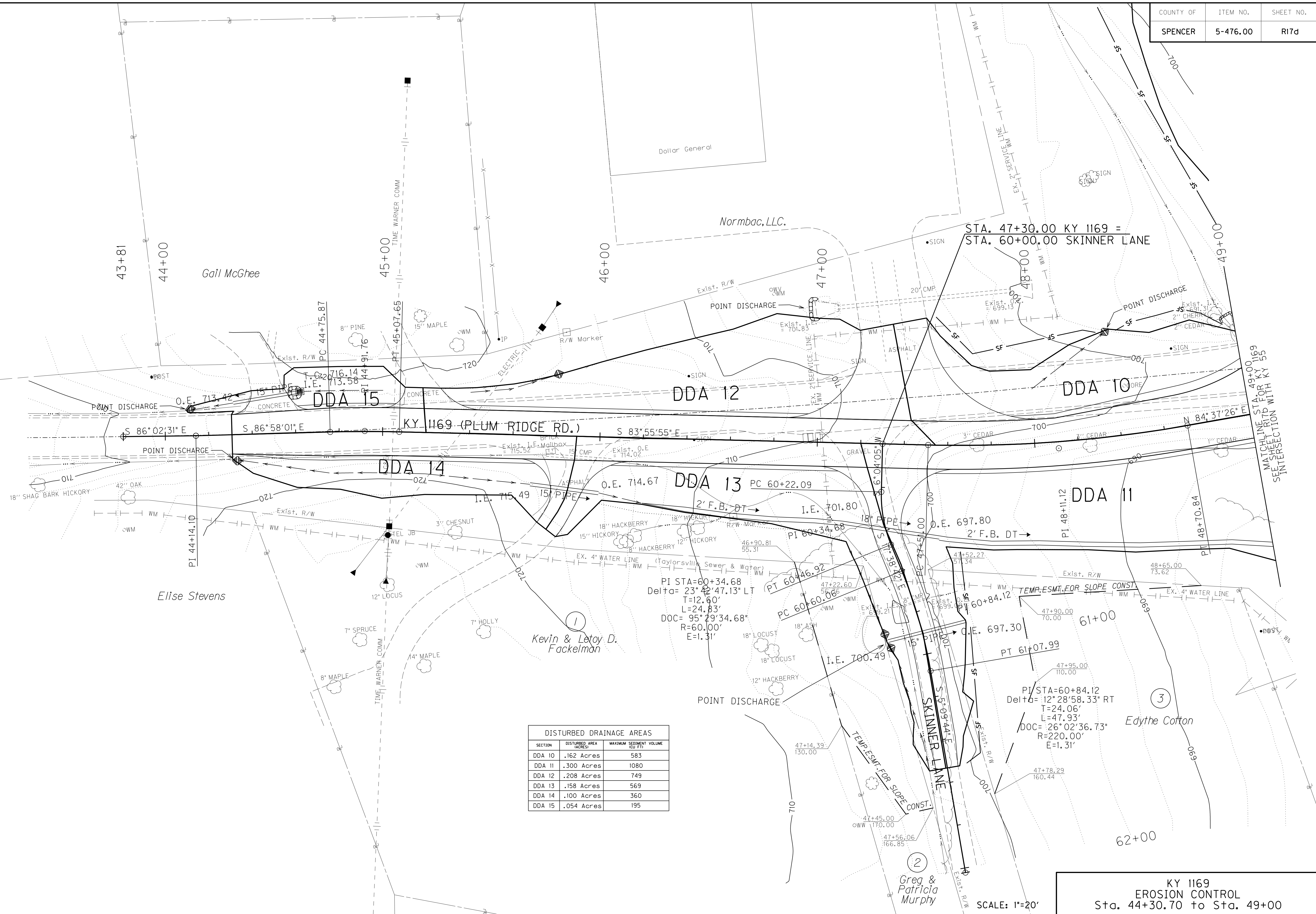
MicroStation v8.11.7.443

SCALE: 1"=20'

KY 155/55  
EROSION CONTROL  
STA. 348+00 TO STA. 352+30



FILE NAME: G:\PWORK\ADAM.LULRICH\0872890\R070DEC.DGN  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



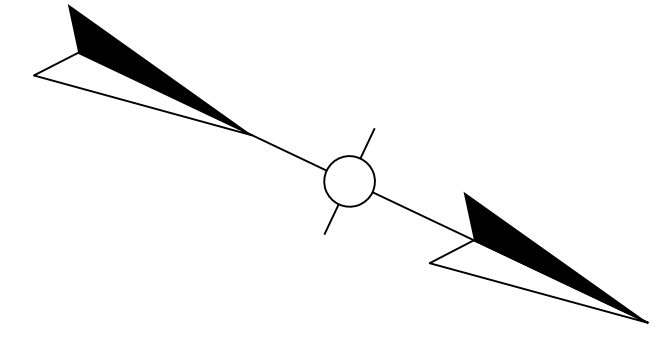
DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 10	.162 Acres	583
DDA 11	.300 Acres	1080
DDA 12	.208 Acres	749
DDA 13	.158 Acres	569
DDA 14	.100 Acres	360
DDA 15	.054 Acres	195

KY 1169  
 EROSION CONTROL  
 Sta. 44+30.70 to Sta. 49+00  
 SCALE: 1"=20'

### COORDINATE SYSTEM

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

Coordinates are based on State Plane Coordinate System KY Single Zone and in U.S. Survey Feet.



### BASIS OF ELEVATIONS

Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model used was Geoid03.

### GEOMETRIC CONTROL POINTS

LOCATION (SKINNER LANE)	Project Coordinates	
	NORTH (Y)	EAST (X)
POB 60+00.00	3922496.6428	5031925.6033
PC 60+22.09	3922474.6809	5031923.2687
PI 60+34.68	3922462.2870	5031923.2385
PT 60+46.92	3922450.1512	5031925.7554
PC 60+60.06	3922437.6285	5031929.7386
PI 60+84.12	3922414.4405	5031935.7460
PT 61+07.99	3922390.7368	5031939.1968
PT 61+53.26	3922345.5601	5031943.2700

### GEOMETRIC CONTROL POINTS

LOCATION (KY 1169)	Project Coordinates	
	NORTH (Y)	EAST (X)
P.O.B. STA. 44+30.70	3922525.0581	5031627.7198
P.C. STA. 44+75.87	3922522.6683	5031672.8227
P.I. STA. 44+91.76	3922521.8272	5031688.6948
P.T. STA. 45+07.65	3922520.1471	5031704.5001
P.C. STA. 47+51.00	3922494.4228	5031946.4872
P.I. STA. 48+11.12	3922488.0674	5032006.2716
P.T. STA. 48+70.84	3922493.7004	5032066.1284
P.C. STA. 50+29.44	3922508.5600	5032224.0294
P.I. STA. 50+59.07	3922511.3360	5032253.5282
P.T. STA. 50+88.68	3922512.3607	5032283.1396
P.I. STA. 51+38.77	3922514.0930	5032333.2010
P.O.E. STA. 51+78.17	3922514.3375	5032372.5925

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\0800CC.DGN

USER: Patrick, Mothony  
DATE PLOTTED: May 14, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

STA. 338+25.00  
BEGIN PROJECT

END CONST.  
STA. 61+53.26

STA. 44+30.70  
BEGIN CONST.

KY 1169  
STA. 46+90.82  
BEGIN R.O.W.

STA. 352+30.00  
END PROJECT

KY 1169  
STA. 48+65.00  
END R.O.W.

STA. 51+78.17  
END CONST.

### COORDINATE CONTROL POINTS

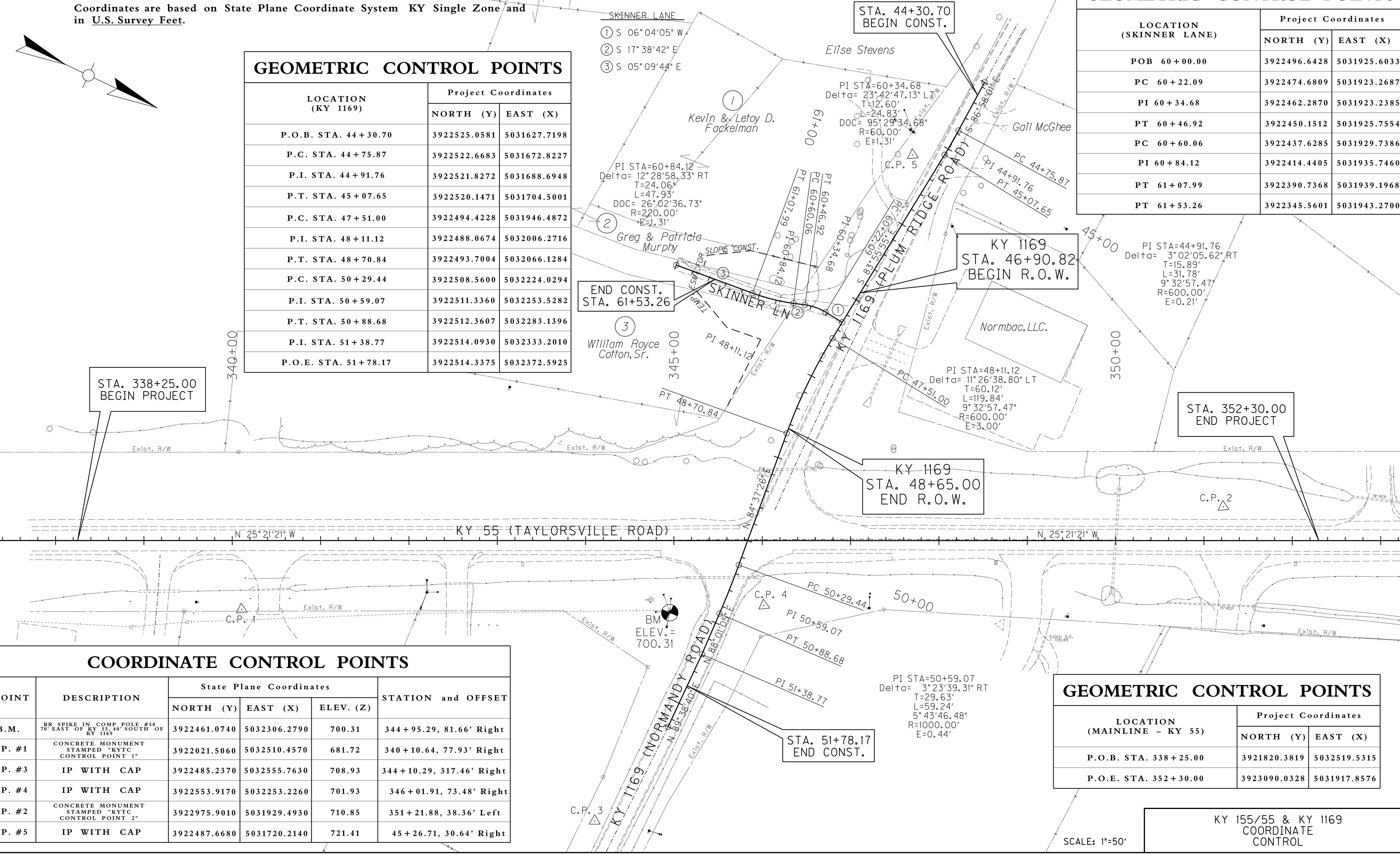
POINT	DESCRIPTION	State Plane Coordinates			STATION and OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
B.M.	RR SPIKE IN COMP POLE #58 70' EAST OF KY 55, 40' SOUTH OF KY 1169	3922461.0740	5032306.2790	700.31	344+95.29, 81.66' Right
C.P. #1	CONCRETE MONUMENT STAMPED "KYTC CONTROL POINT 1"	3922021.5060	5032510.4570	681.72	340+10.64, 77.93' Right
C.P. #3	IP WITH CAP	3922485.2370	5032555.7630	708.93	344+10.29, 317.46' Right
C.P. #4	IP WITH CAP	3922553.9170	5032253.2260	701.93	346+01.91, 73.48' Right
C.P. #2	CONCRETE MONUMENT STAMPED "KYTC CONTROL POINT 2"	3922975.9010	5031929.4930	710.85	351+21.88, 38.36' Left
C.P. #5	IP WITH CAP	3922487.6680	5031720.2140	721.41	45+26.71, 30.64' Right

### GEOMETRIC CONTROL POINTS

LOCATION (MAINLINE - KY 55)	Project Coordinates	
	NORTH (Y)	EAST (X)
P.O.B. STA. 338+25.00	3921820.3819	5032519.5315
P.O.E. STA. 352+30.00	3923090.0328	5031917.8576

KY 155/55 & KY 1169  
COORDINATE  
CONTROL

SCALE: 1"=50'

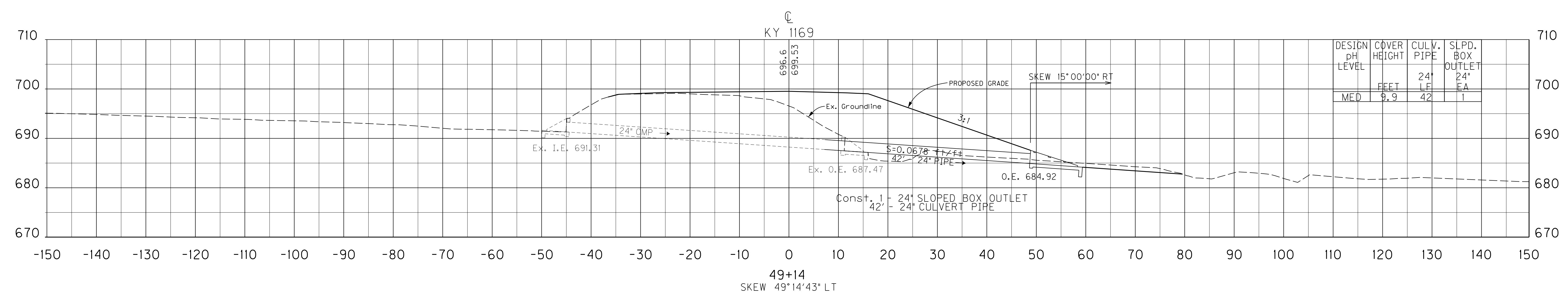
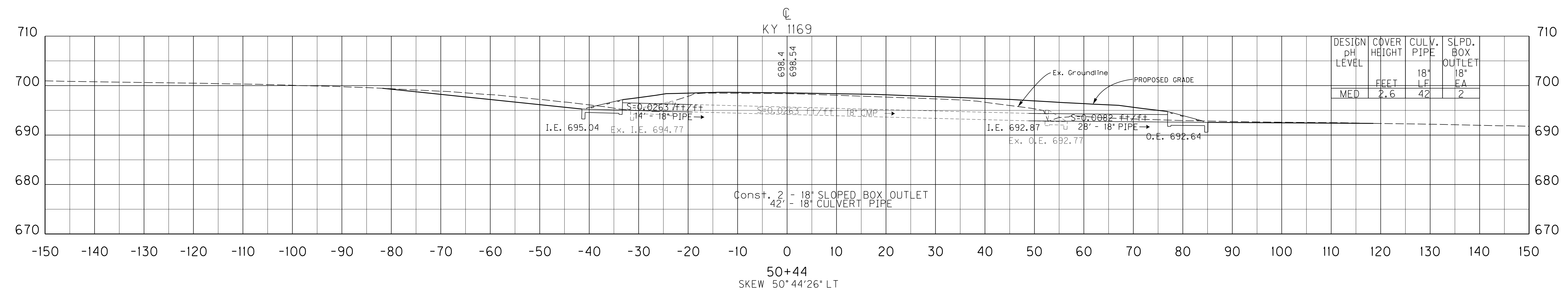


FILE NAME: G:\PWORK\ADAM.LULICH\0872890\09000PD.DGN

USER: Potrick, Matthew  
DATE PLOTTED: May 14, 2014

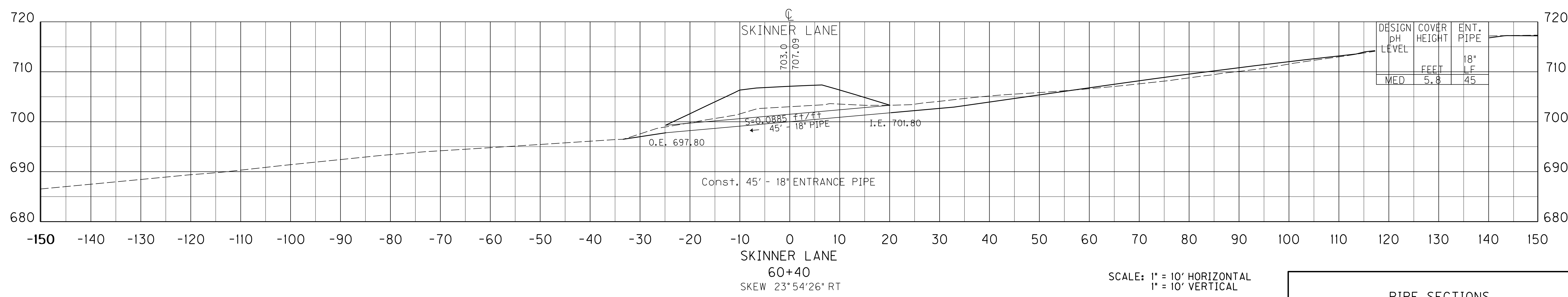
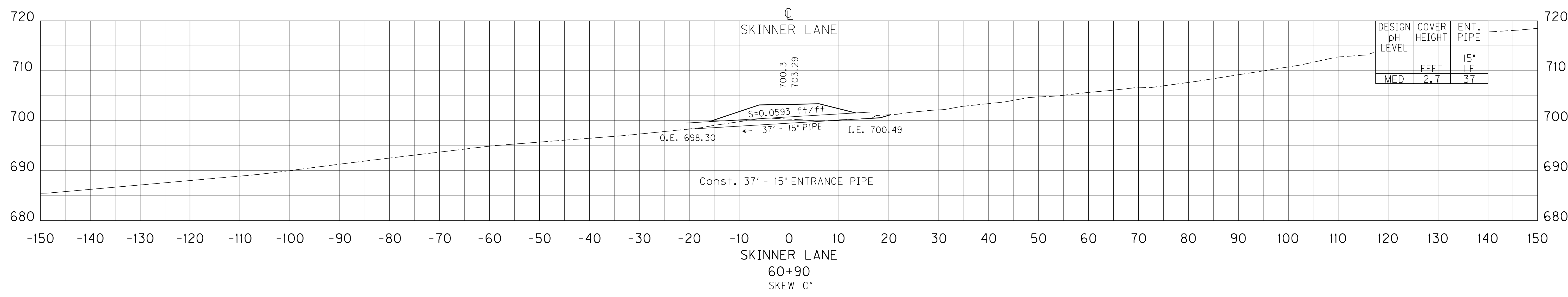
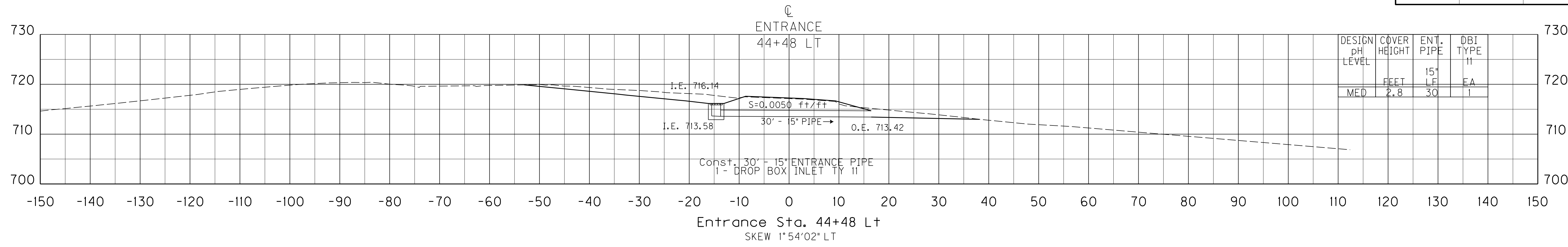
E-SHEET NAME:

MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

PIPE SECTION

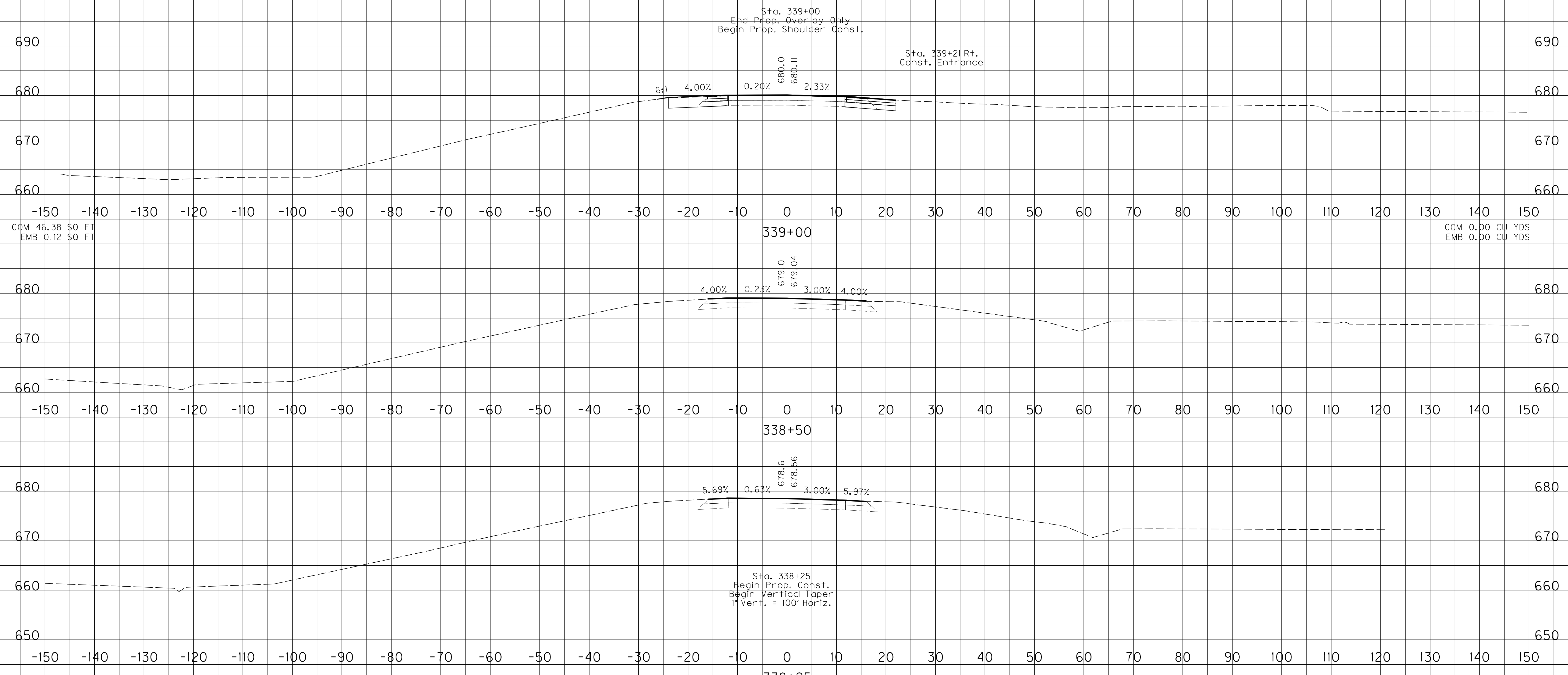


SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

PIPE SECTIONS

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\RO2000PD.DGN  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 14, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	XI



COM 46.38 SQ FT  
EMB 0.12 SQ FT

COM 0.00 CU YDS  
EMB 0.00 CU YDS

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100X.DGN

USER: Potrick, Matthew  
DATE PLOTTED: May 13, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

DESIGNED BY: KYTC D-5  
DATE SUBMITTED: 5-19-14

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**SPENCER**

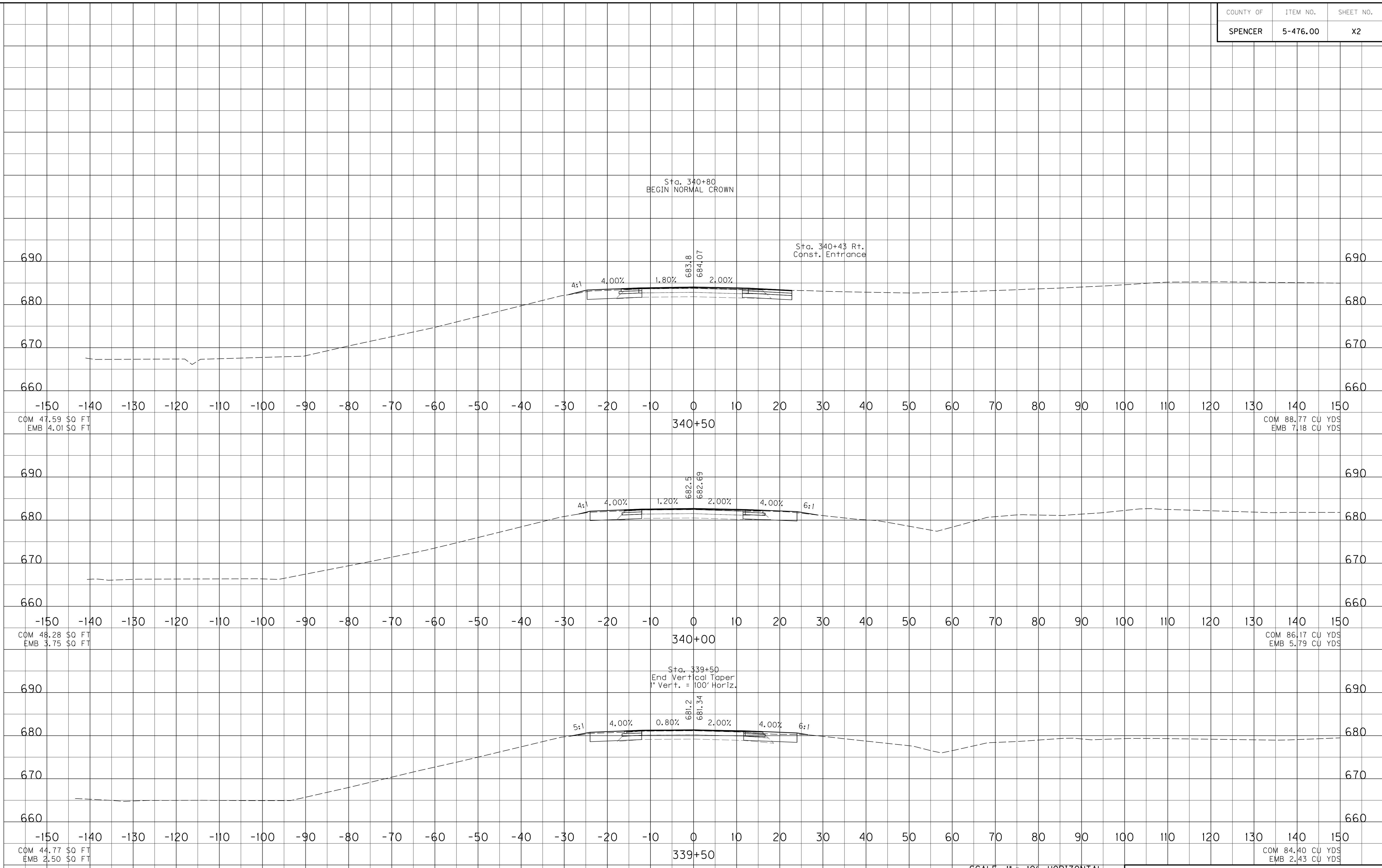
PROJECT 5-476.00  
NUMBERS: FD04 SPP 108 005 010-011

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 55  
CROSS SECTION  
STA. 338+25 TO STA. 339+00



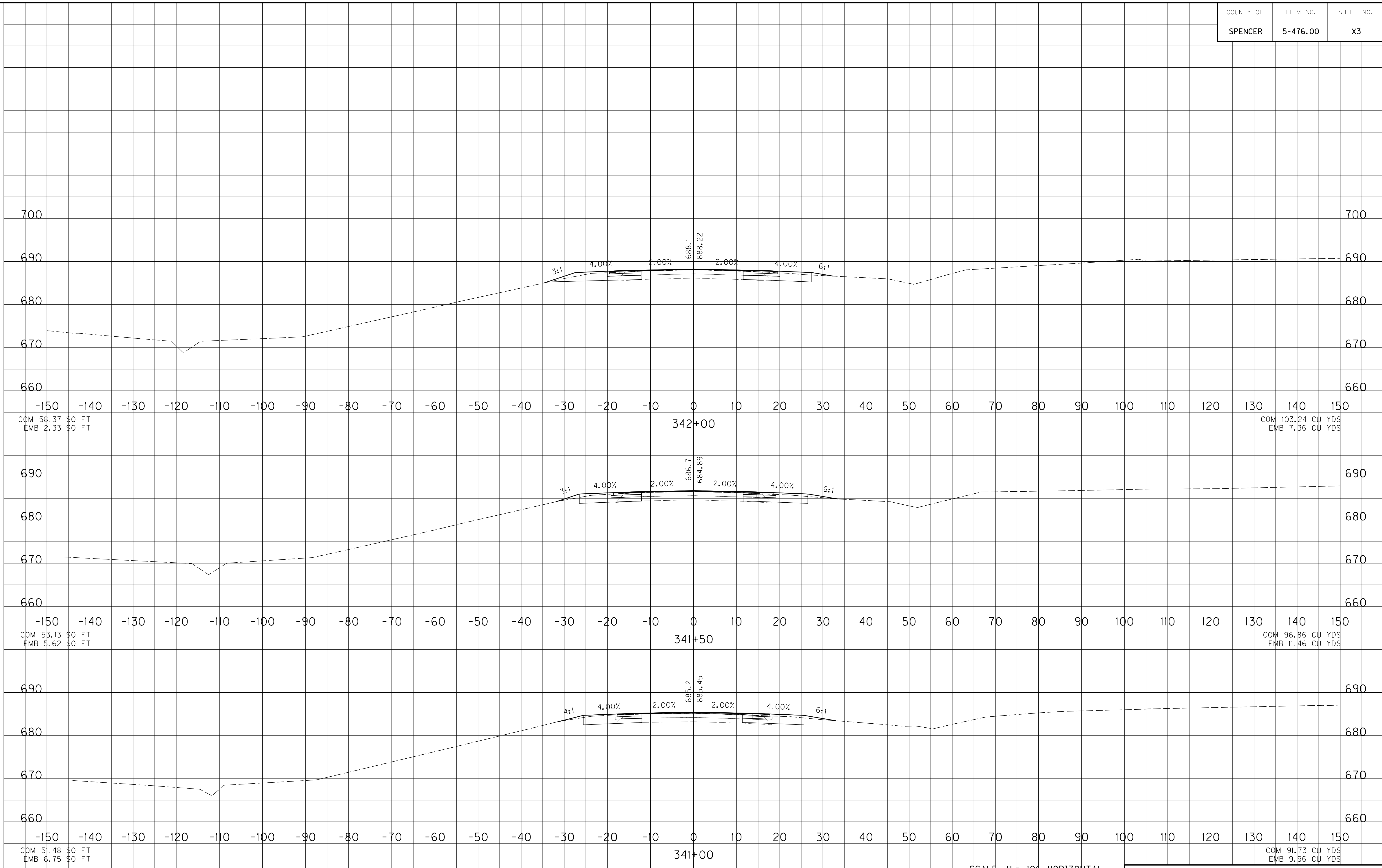
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 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

**KY 55**  
**CROSS SECTION**  
**STA. 339+50 TO STA. 340+50**

FILE NAME: G:\PWORK\ADAM.LUL\CH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

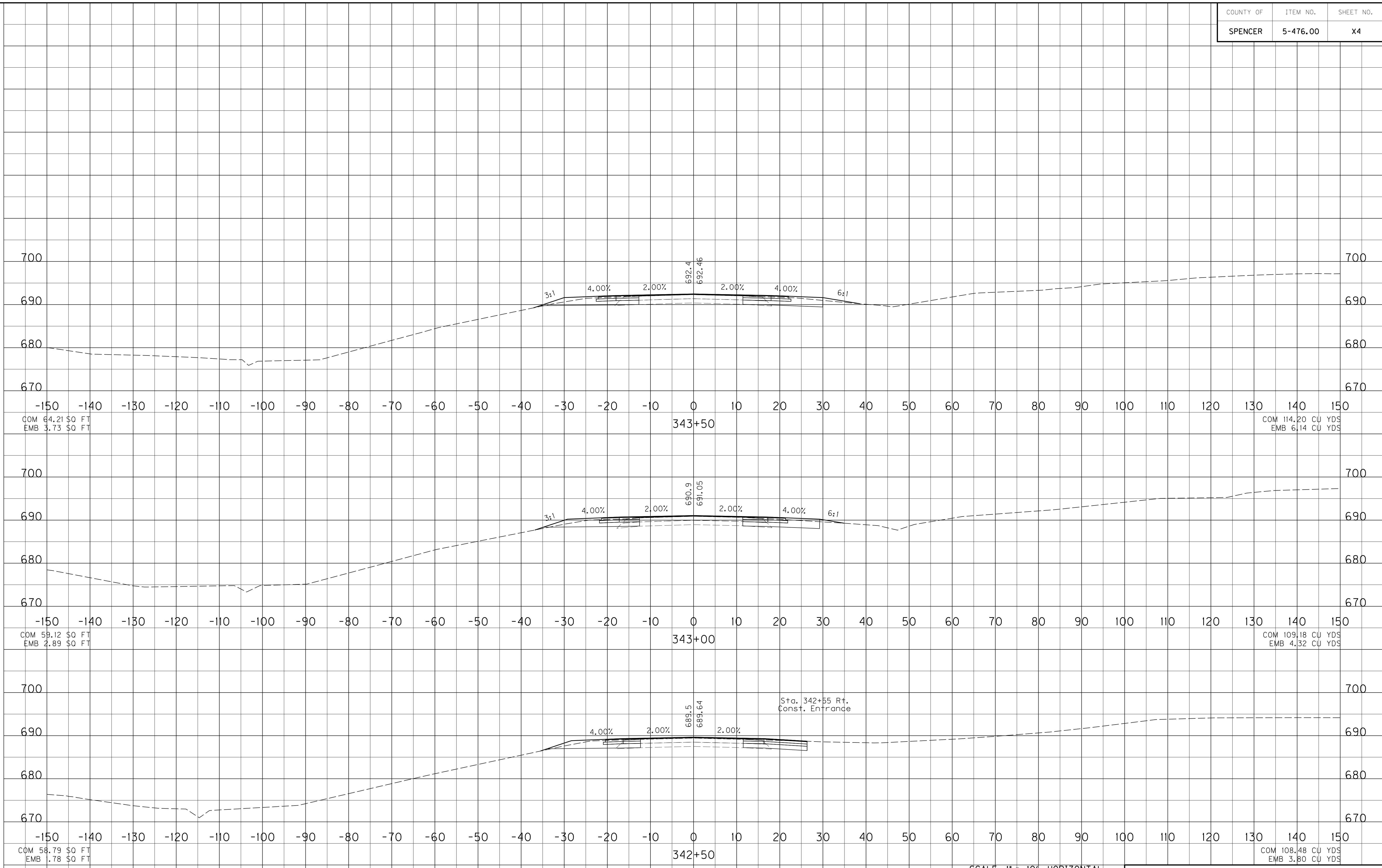
KY 55  
 CROSS SECTION  
 STA. 341+00 TO STA. 342+00

FILE NAME: G:\PWORK\ADAM.LUL\CH\0872890.X0100XS.DGN

USER: Potrick, Matthew  
DATE PLOTTED: May 13, 2014

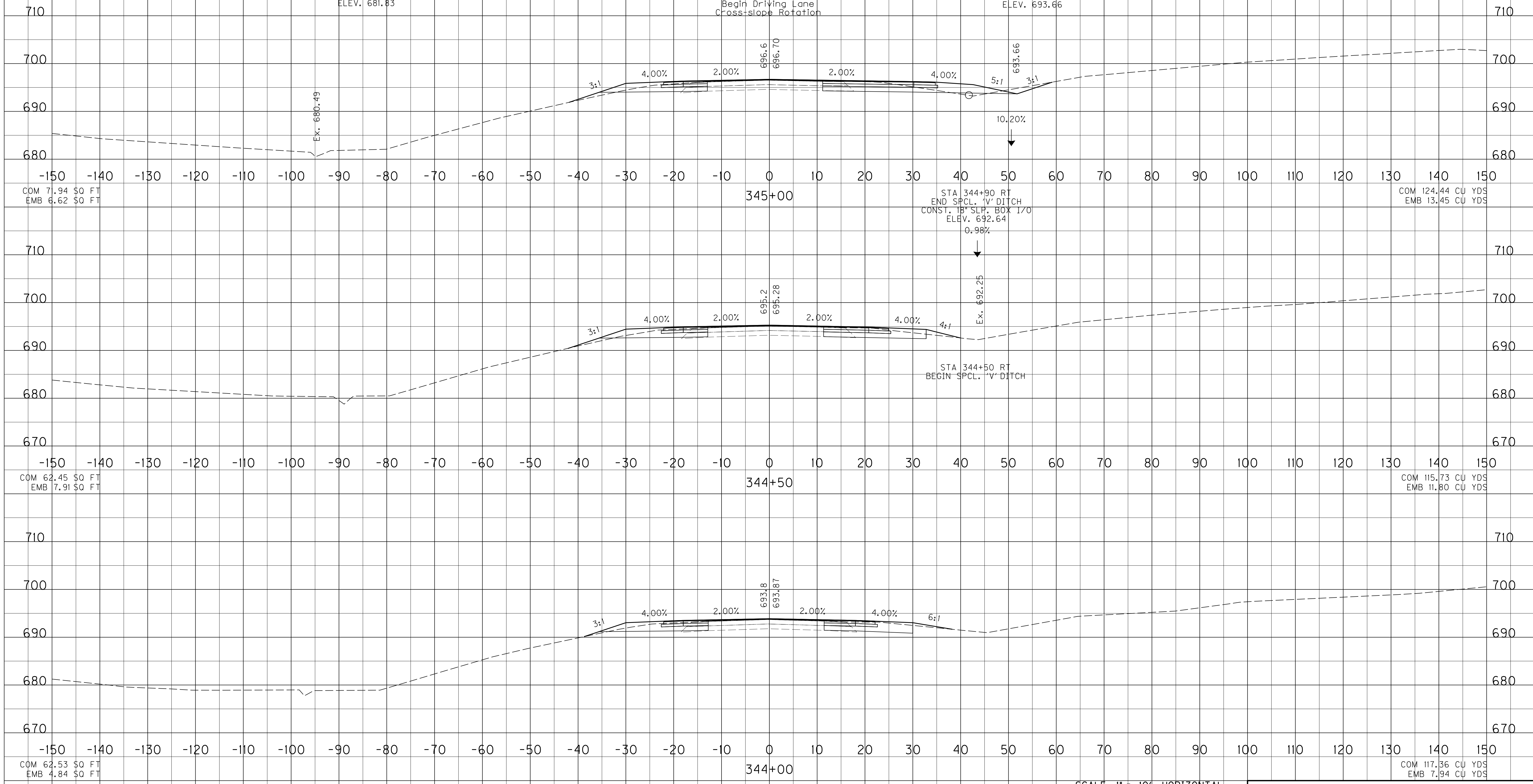
E-SHEET NAME:

MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

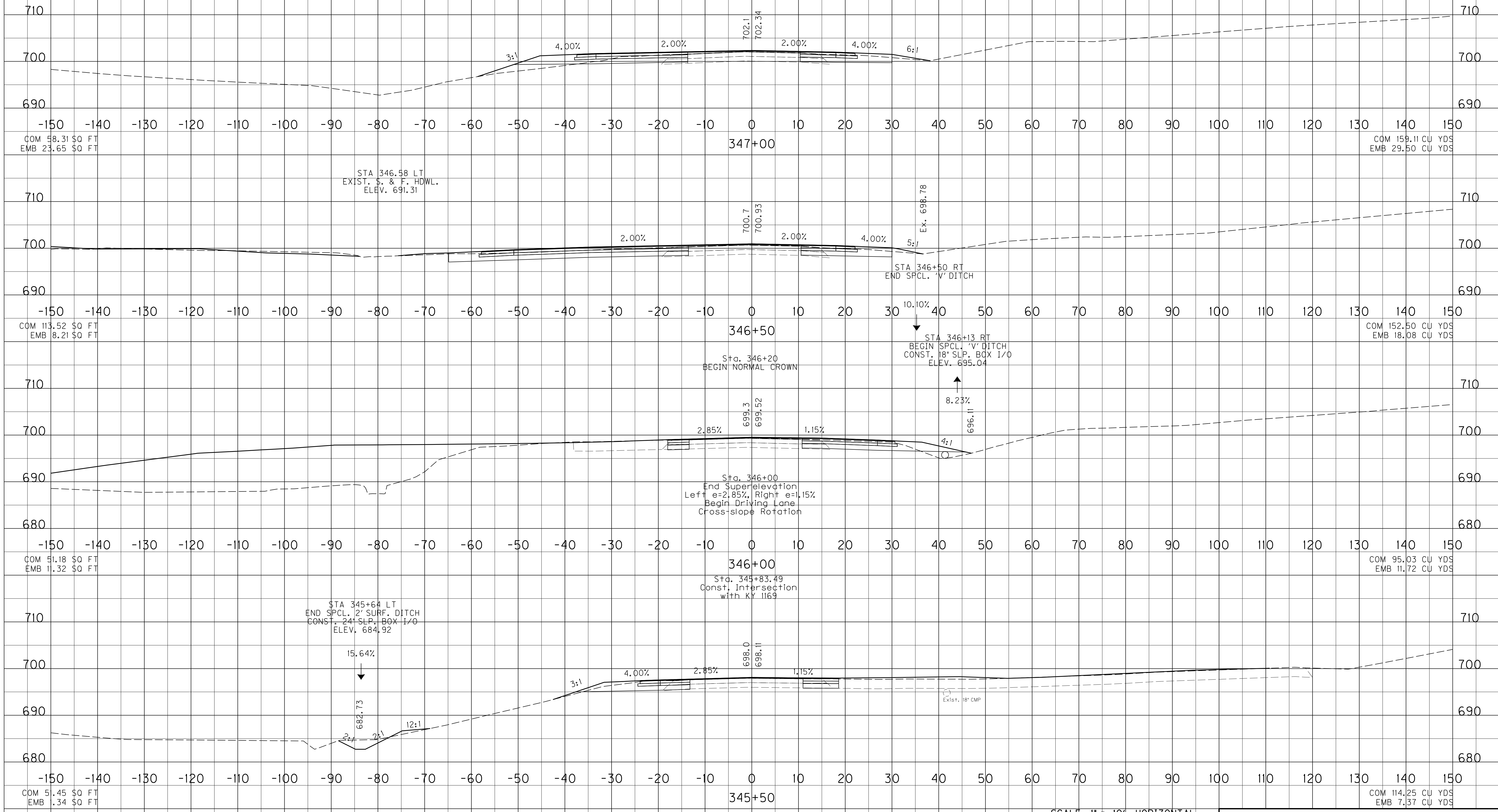
KY 55  
CROSS SECTION  
STA. 342+50 TO STA. 343+50



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 55  
 CROSS SECTION  
 STA. 344+00 TO STA. 345+00

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100X.DGN  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

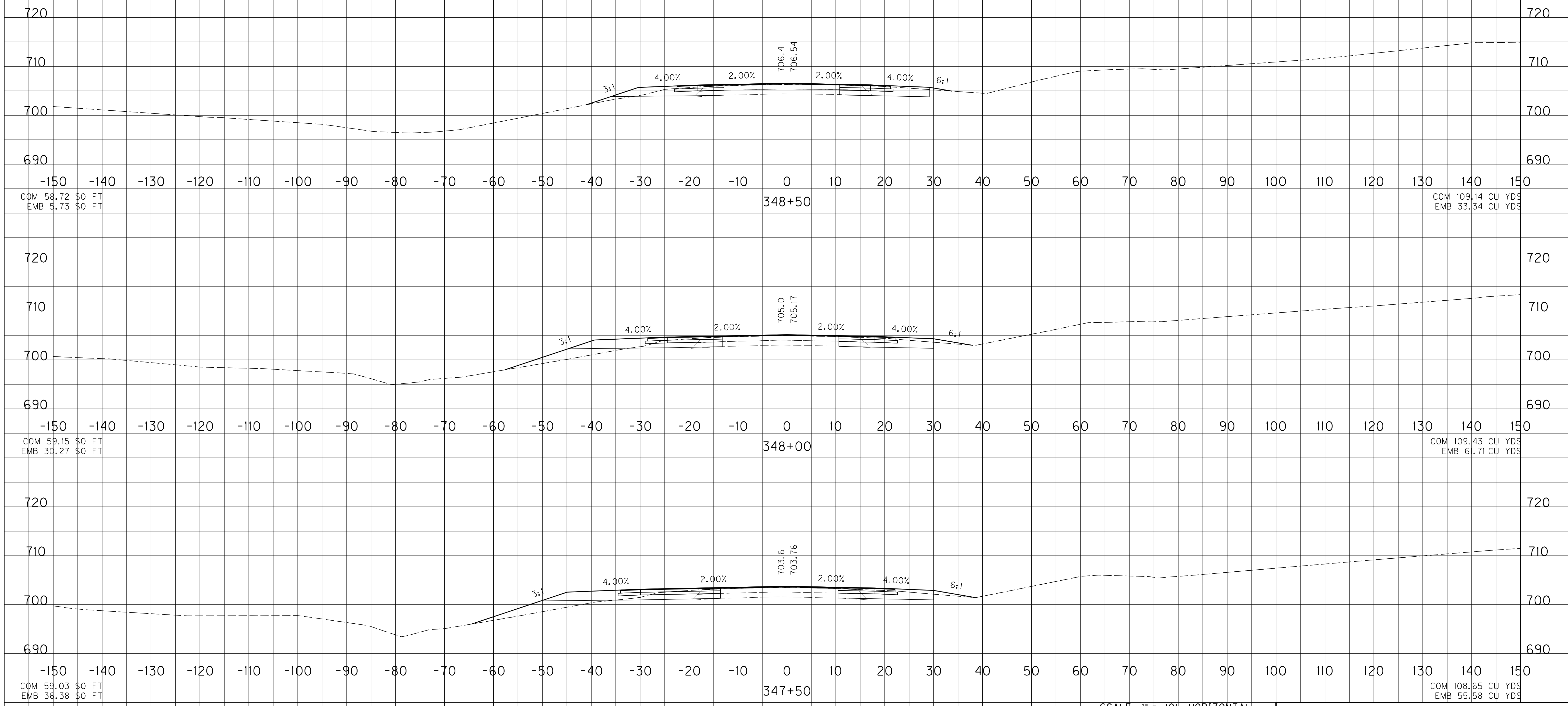


SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 55  
 CROSS SECTION  
 STA. 345+50 TO STA. 347+00

FILE NAME: G:\PWORK\ADAM.LUL\CH\0872890.X0100X.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

FILE NAME: G:\PWORK\ADAM.LULICH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

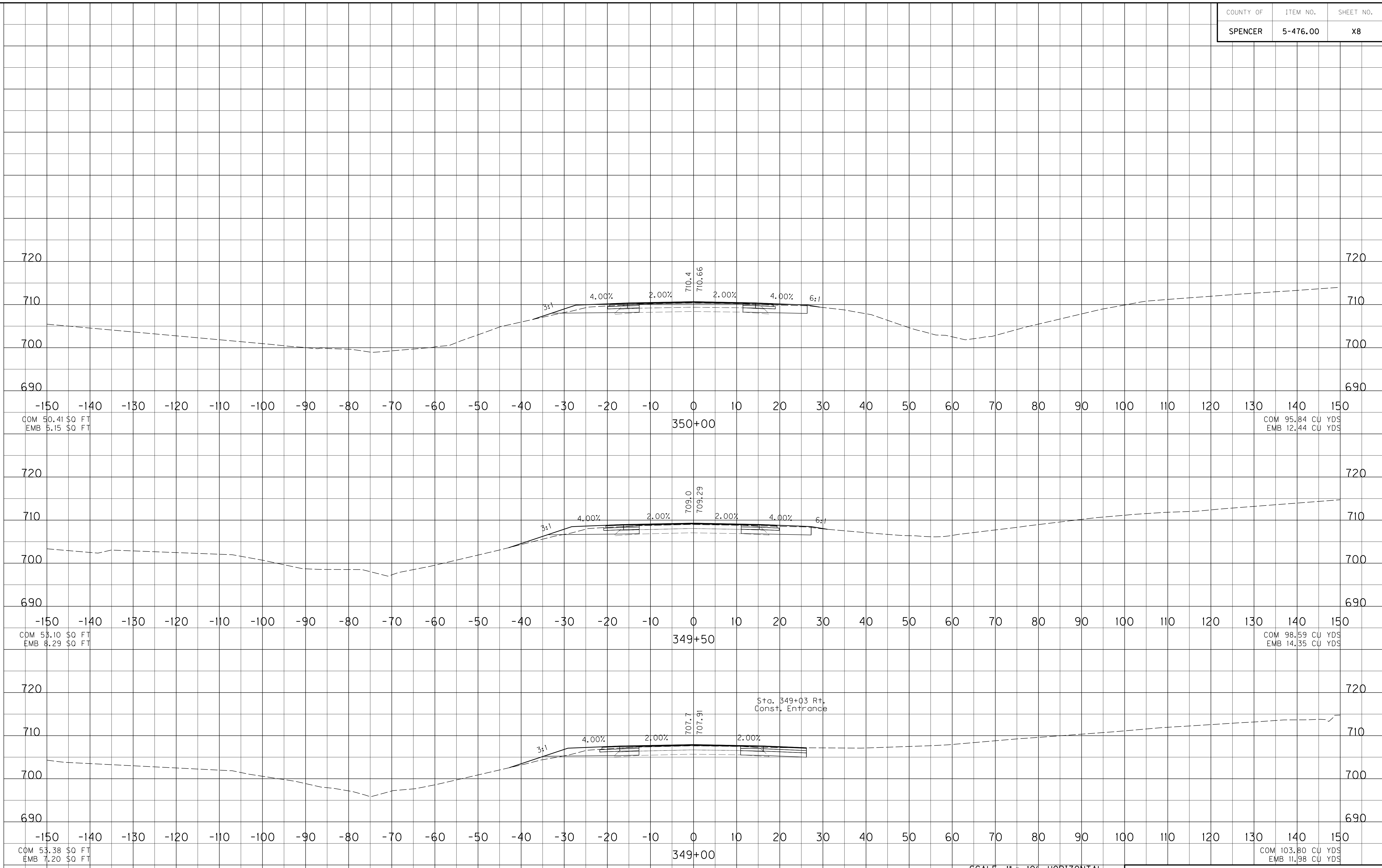
KY 55  
 CROSS SECTION  
 STA. 347+50 TO STA. 348+50

FILE NAME: G:\PWORK\ADAM.LUL\CH\0872890.X0100XS.DGN

USER: Potrick, Matthew  
DATE PLOTTED: May 13, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

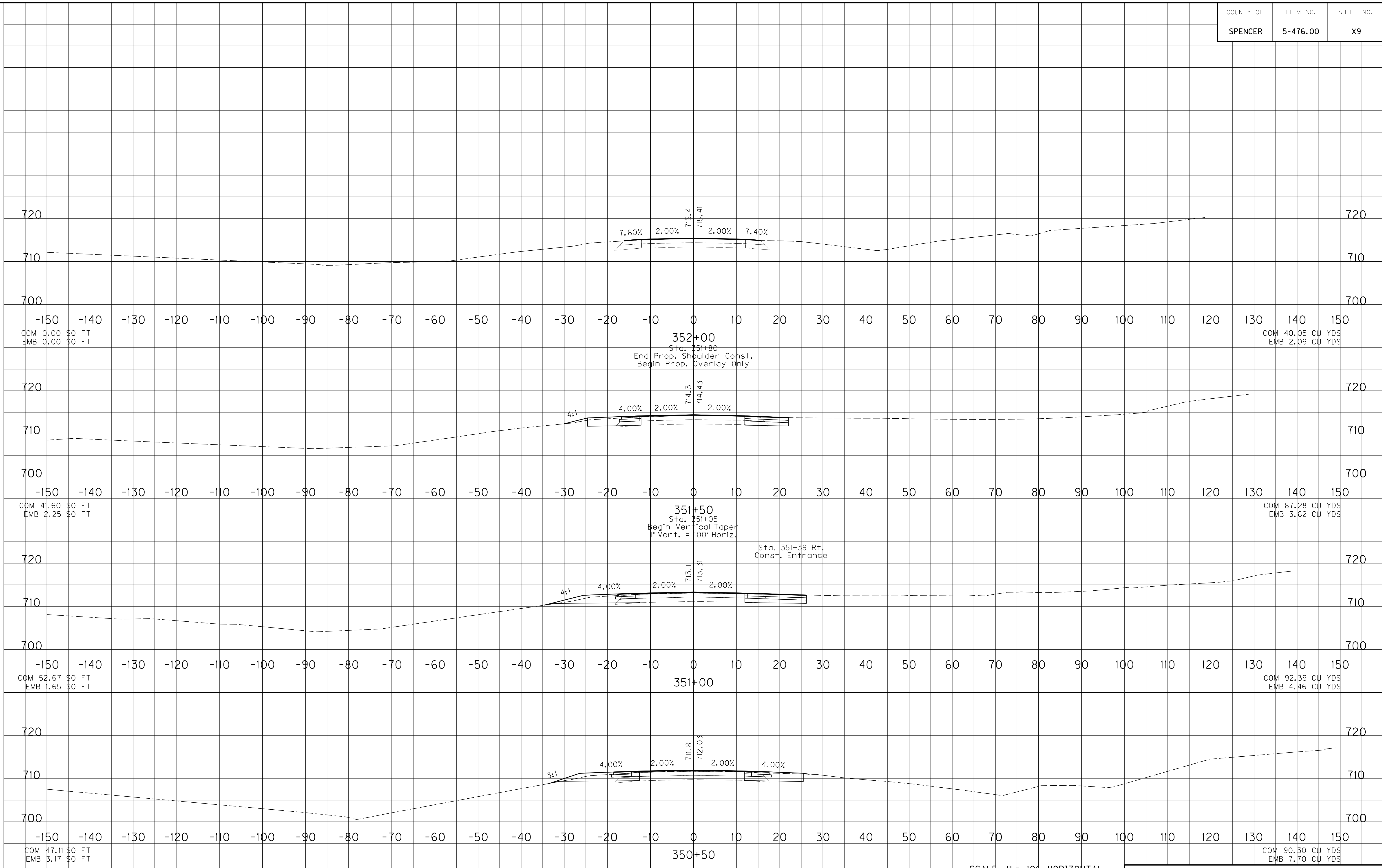


Sta. 349+03 Rt.  
Const. Entrance

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 55  
 CROSS SECTION  
 STA. 349+00 TO STA. 350+00

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Portick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



COM 0.00 \$0 FT  
EMB 0.00 \$0 FT

COM 40.05 CU YDS  
EMB 2.09 CU YDS

COM 41.60 \$0 FT  
EMB 2.25 \$0 FT

COM 87.28 CU YDS  
EMB 3.62 CU YDS

COM 52.67 \$0 FT  
EMB 1.65 \$0 FT

COM 92.39 CU YDS  
EMB 4.46 CU YDS

COM 47.11 \$0 FT  
EMB 3.17 \$0 FT

COM 90.30 CU YDS  
EMB 7.70 CU YDS

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 55  
CROSS SECTION  
STA. 350+50 TO STA. 352+00



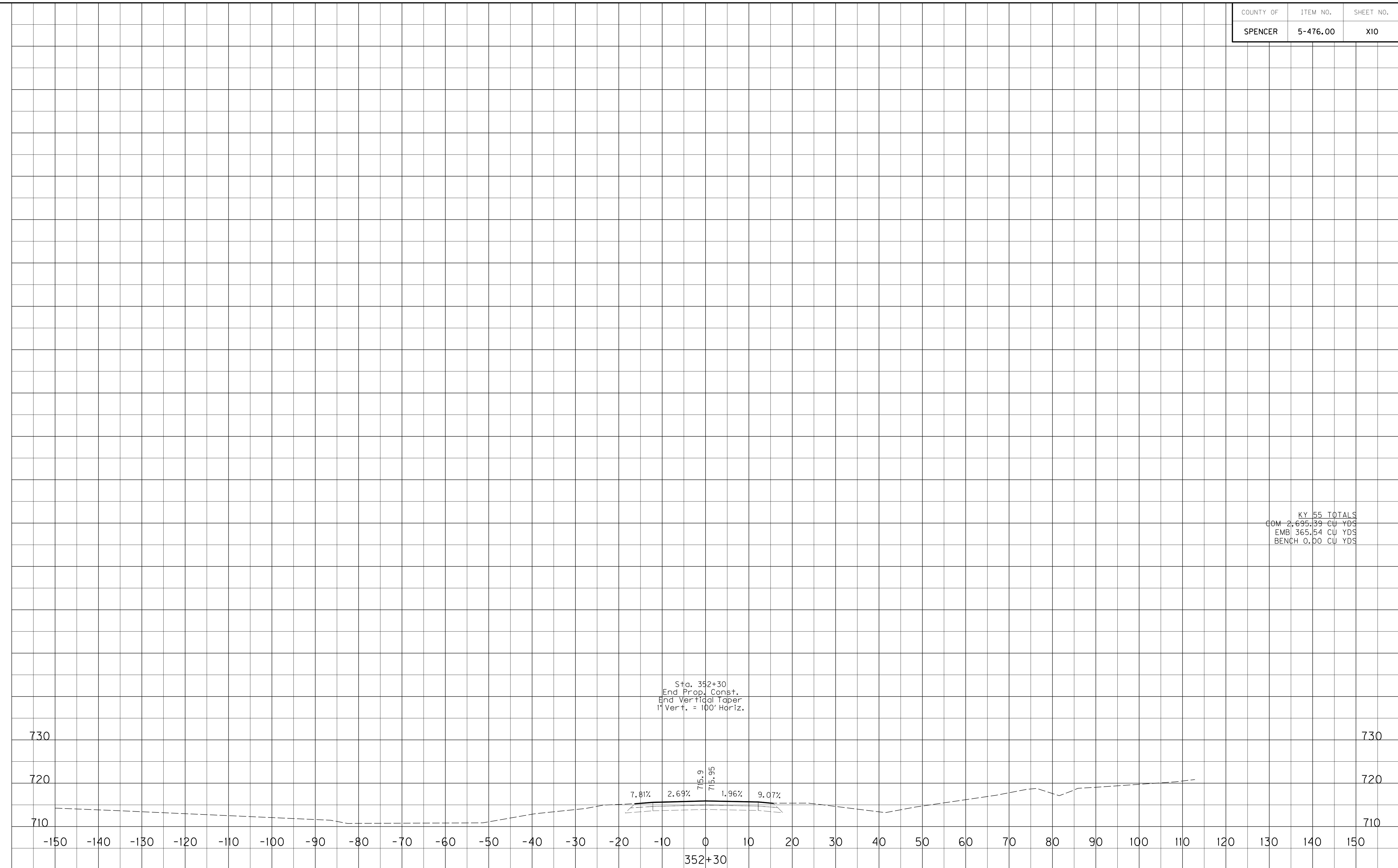
COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	X10

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN

USER: Patrick, Matthew  
DATE PLOTTED: May 13, 2014

E-SHEET NAME:

MicroStation v8.11.7.443



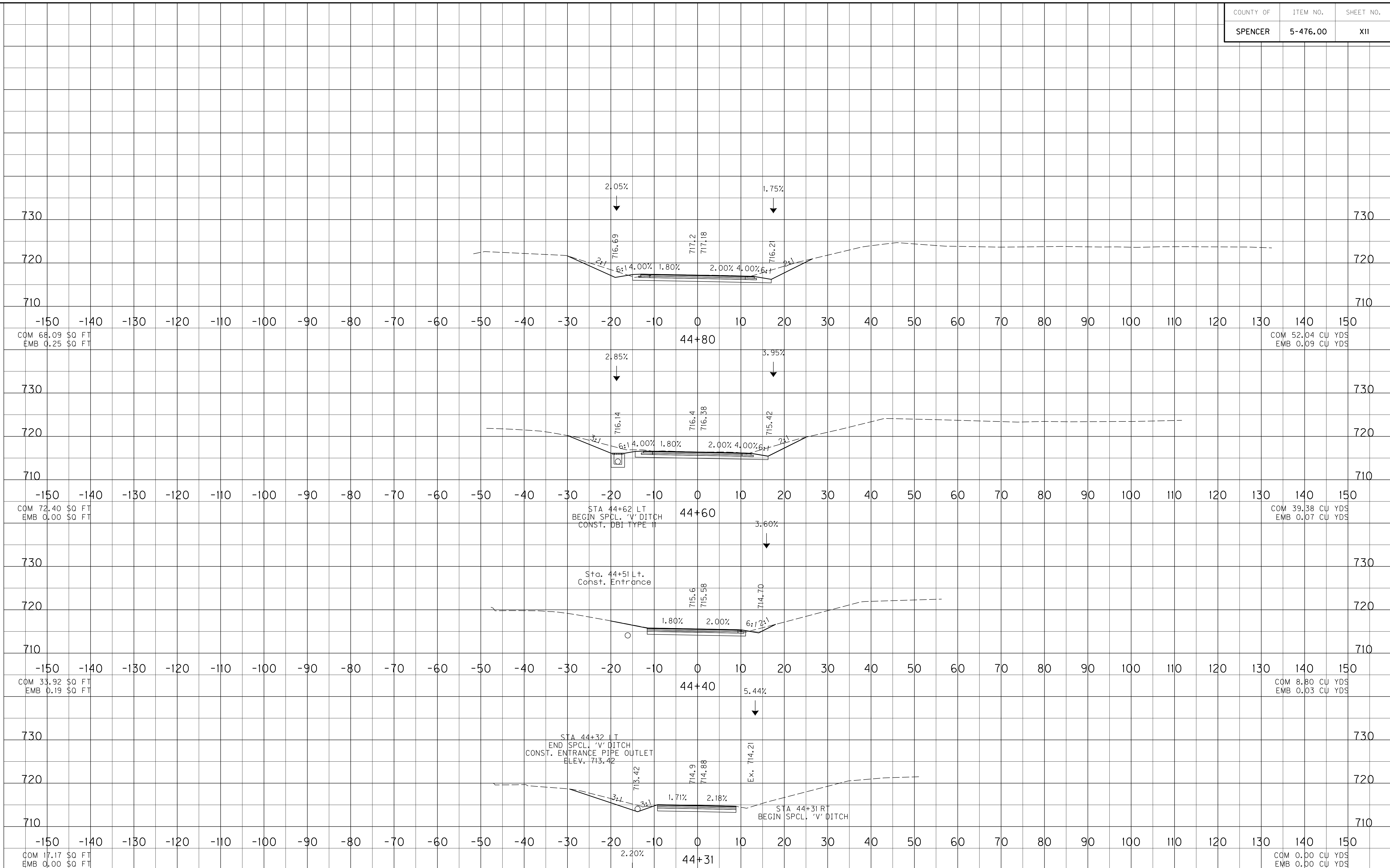
KY 55 TOTALS  
COM 2,695.39 CU YDS  
EMB 365.54 CU YDS  
BENCH 0.00 CU YDS

Sta. 352+30  
End Prop. Const.  
End Vertical Taper  
1" Vert. = 100' Horiz.

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 55  
CROSS SECTION  
STA. 352+30 TO STA. 352+30

MicroStation v8.11.7.443  
 E-SHEET NAME:  
 USER: Portick, Matthew  
 DATE PLOTTED: May 13, 2014  
 FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X01000XS.DGN



STA 44+32 LT  
 END SPCL. 'V' DITCH  
 CONST. ENTRANCE PIPE OUTLET  
 ELEV. 713.42

STA 44+10 LT  
 MATCH EXIST. DITCH  
 BEGIN SPCL. 'V' DITCH  
 ELEV. 712.96

STA 44+31 RT  
 BEGIN SPCL. 'V' DITCH

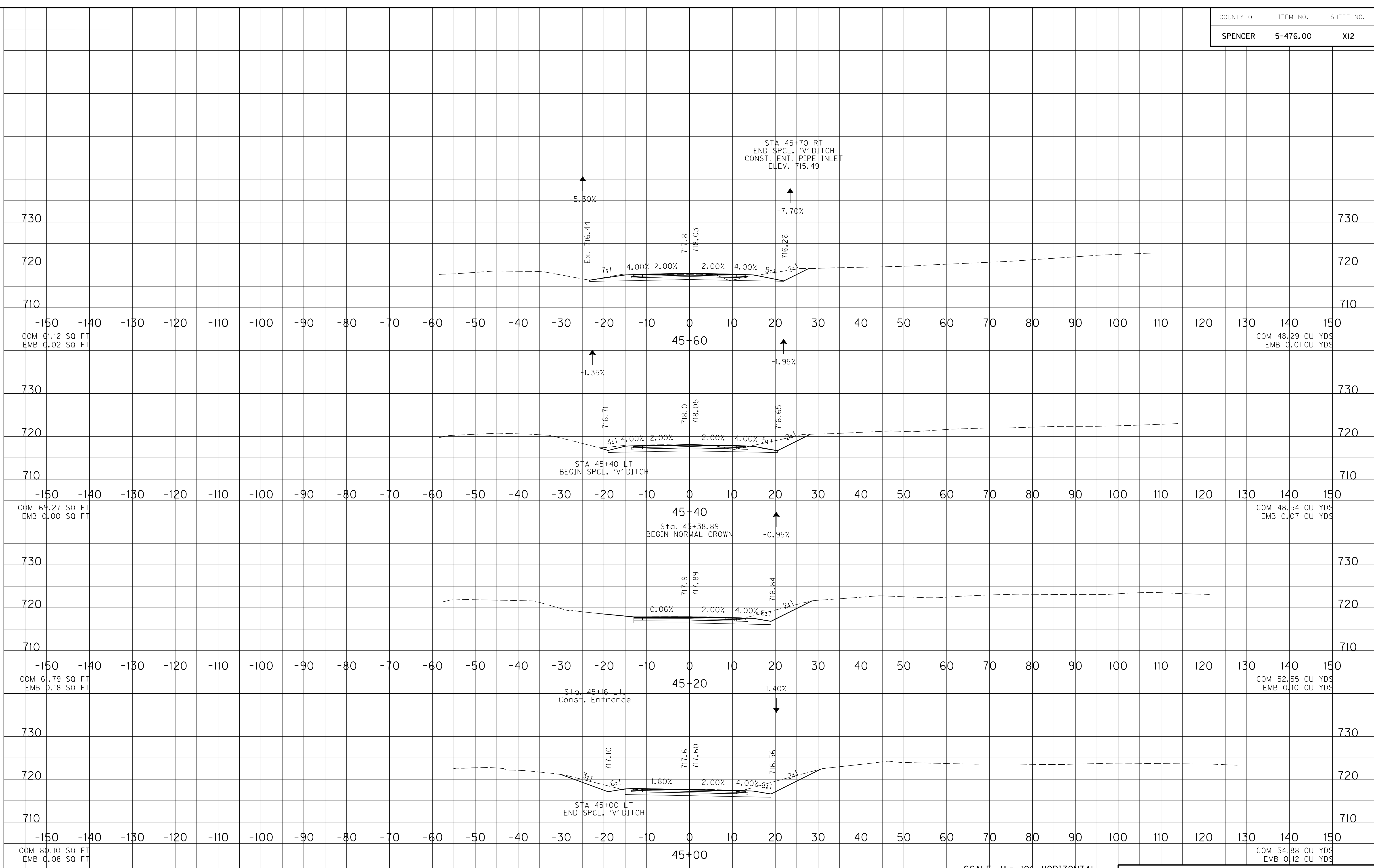
STA 44+62 LT  
 BEGIN SPCL. 'V' DITCH  
 CONST. DBI TYPE II

Sta. 44+51 Lt.  
 Const. Entrance

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 44+31 TO STA. 44+80

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Portick, Mothony  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



COM 61.12 \$0 FT  
EMB 0.02 \$0 FT

COM 48.29 CU YDS  
EMB 0.01 CU YDS

COM 69.27 \$0 FT  
EMB 0.00 \$0 FT

COM 48.54 CU YDS  
EMB 0.07 CU YDS

COM 61.79 \$0 FT  
EMB 0.18 \$0 FT

COM 52.55 CU YDS  
EMB 0.10 CU YDS

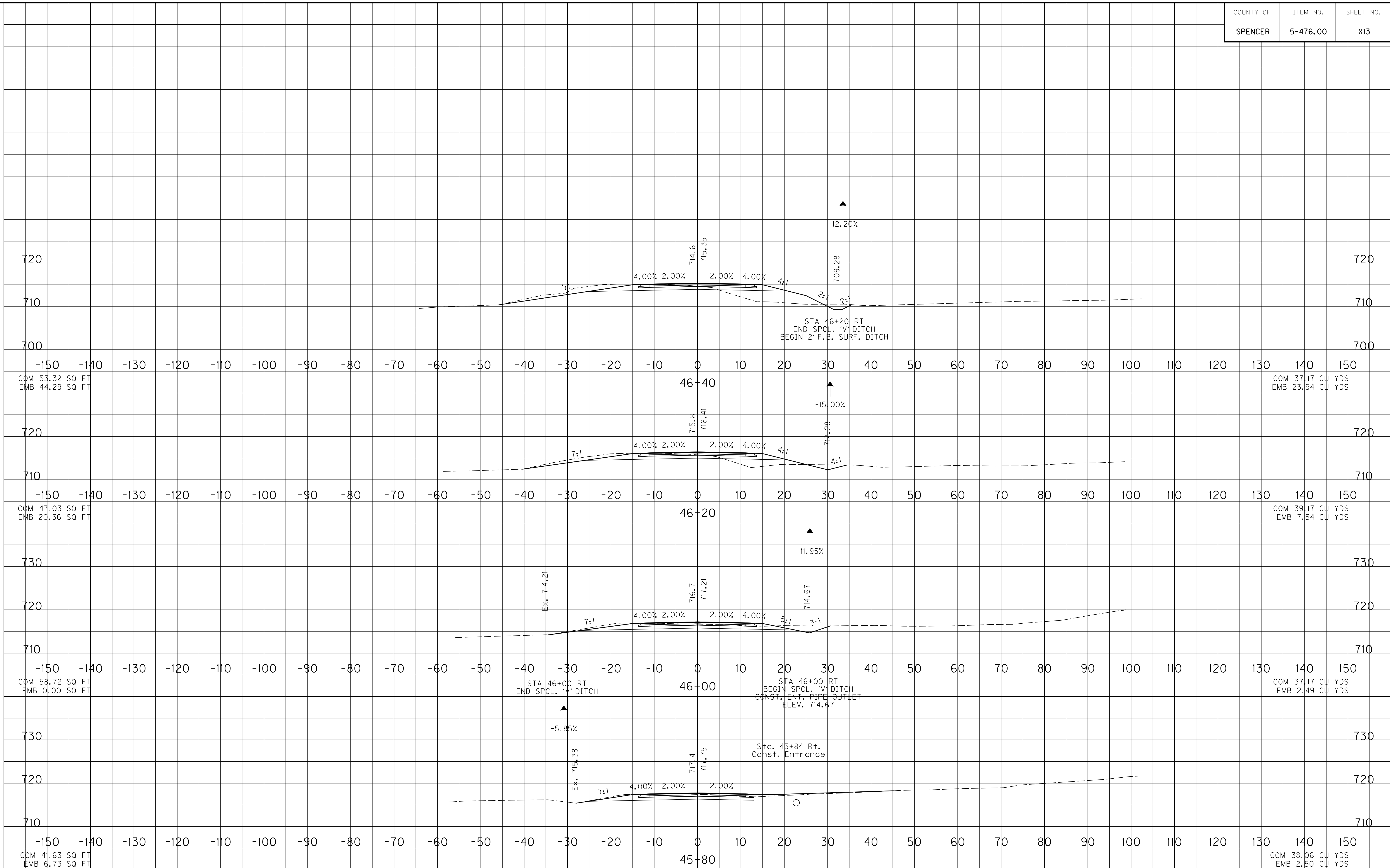
COM 80.10 \$0 FT  
EMB 0.08 \$0 FT

COM 54.88 CU YDS  
EMB 0.12 CU YDS

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 1169  
CROSS SECTION  
STA. 45+00 TO STA. 45+60

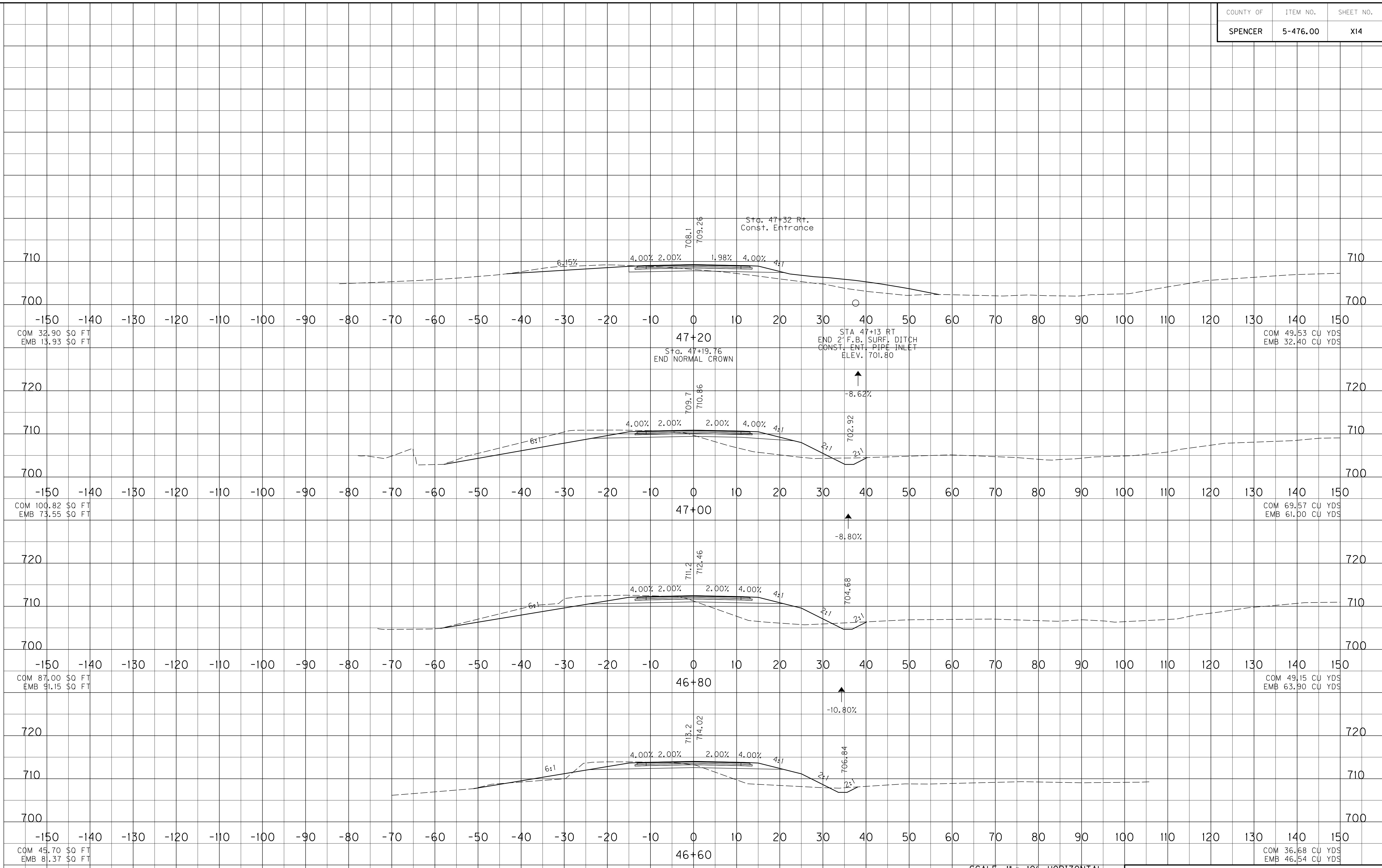
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X00100XS.DGN  
 USER: Portick, Mothony  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 45+80 TO STA. 46+40

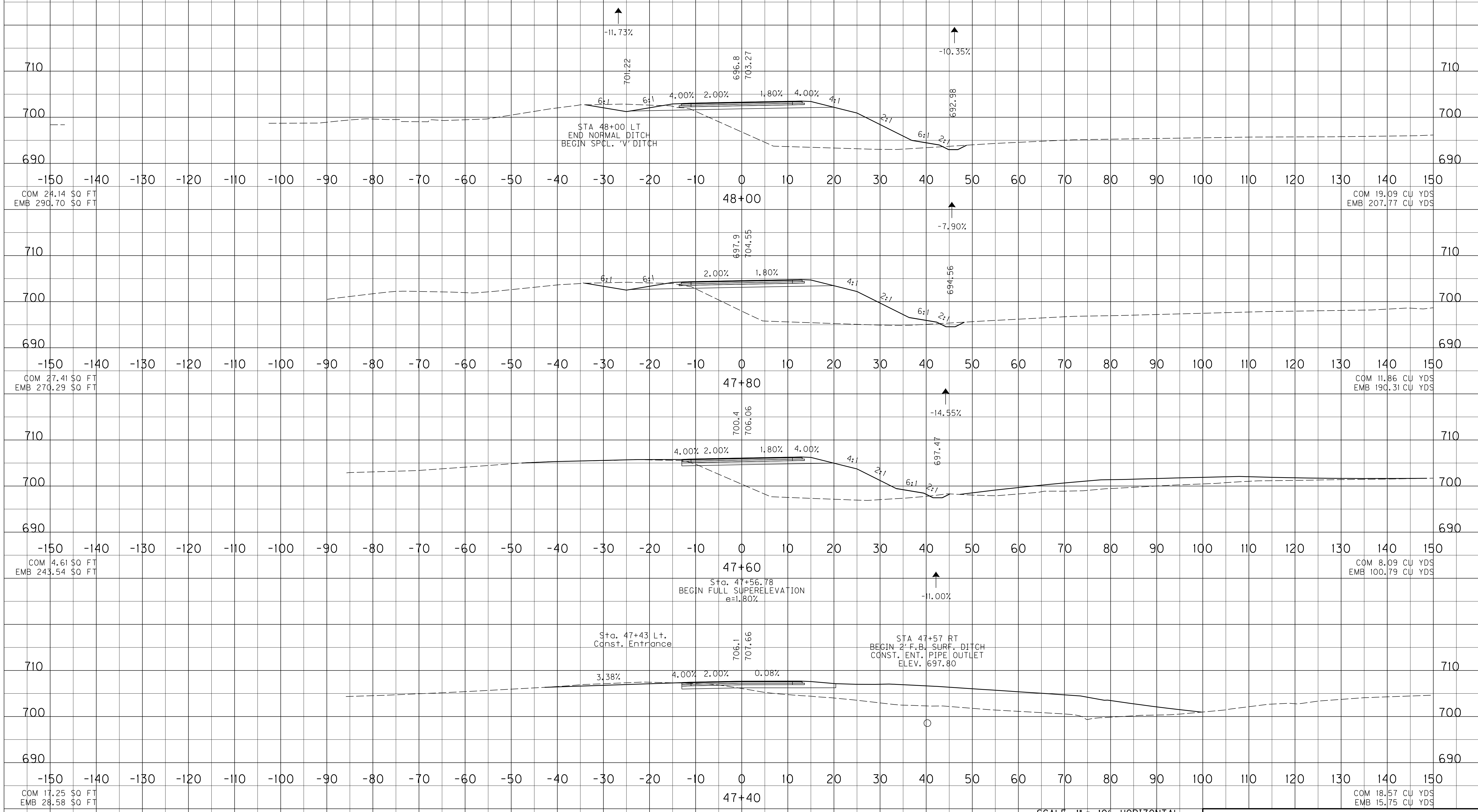
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Portick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 46+60 TO STA. 47+20

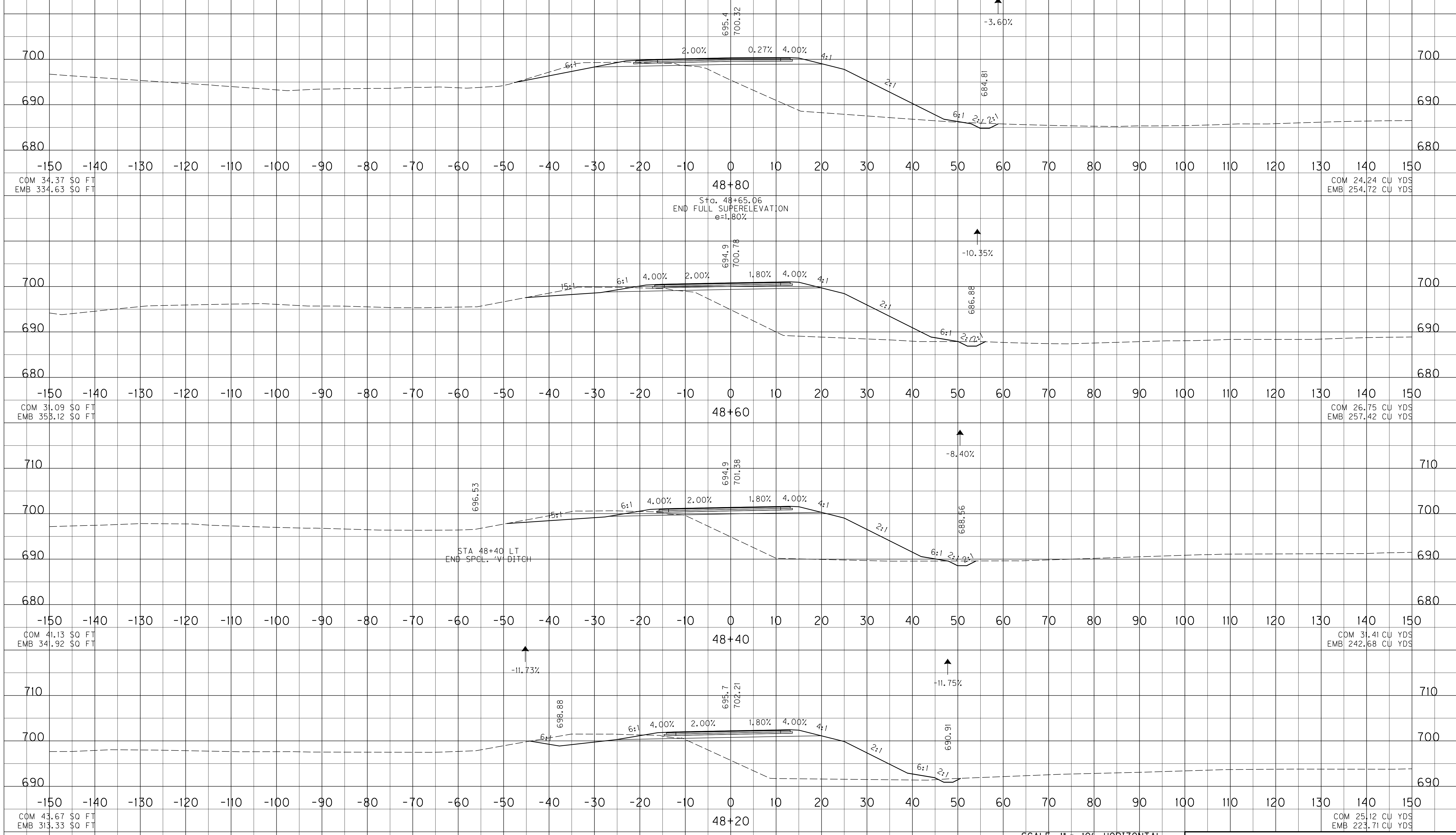
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 47+40 TO STA. 48+00

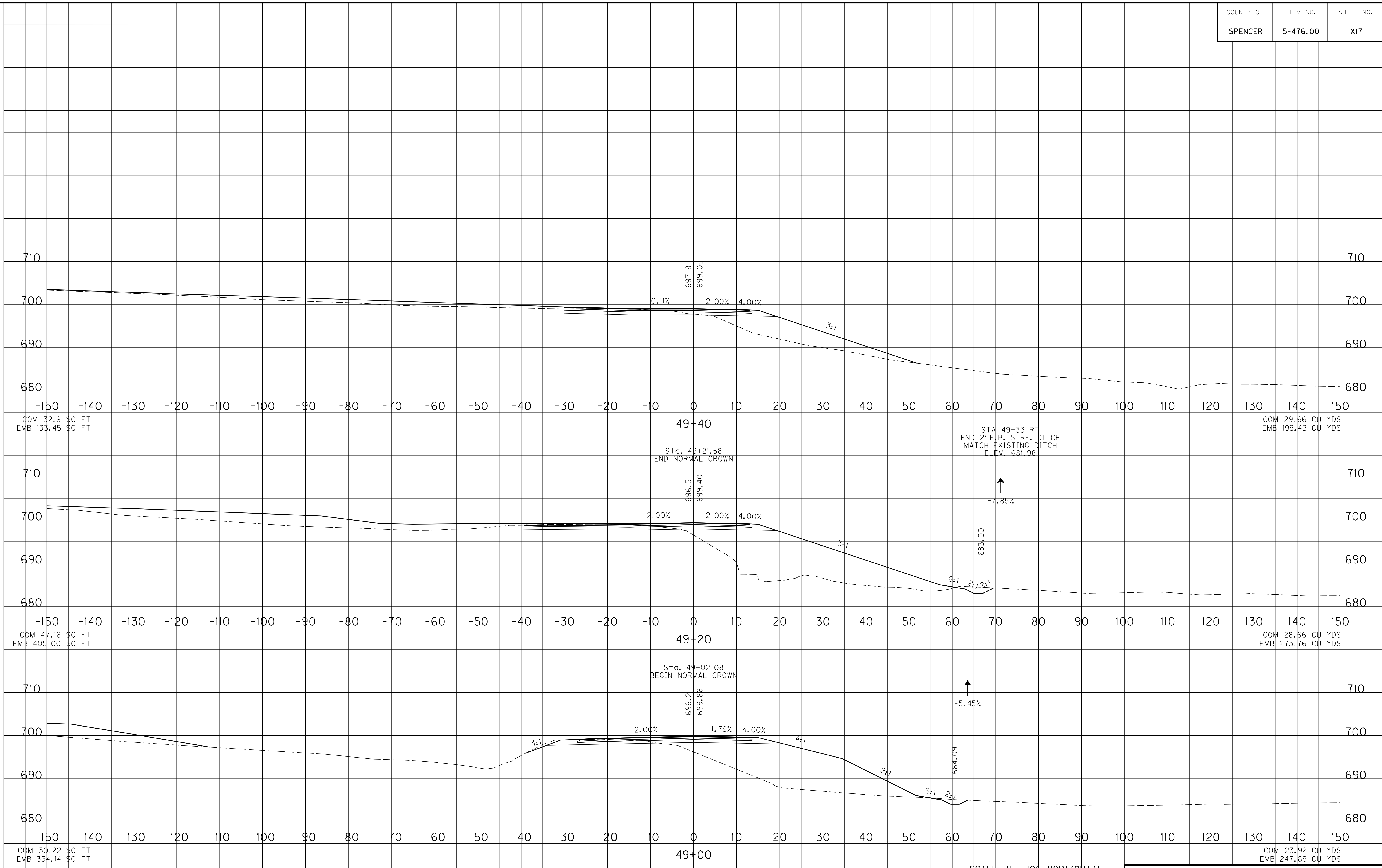
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Portick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 48+20 TO STA. 48+80

FILE NAME: G:\PWORK\ADAM.LUL\CH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

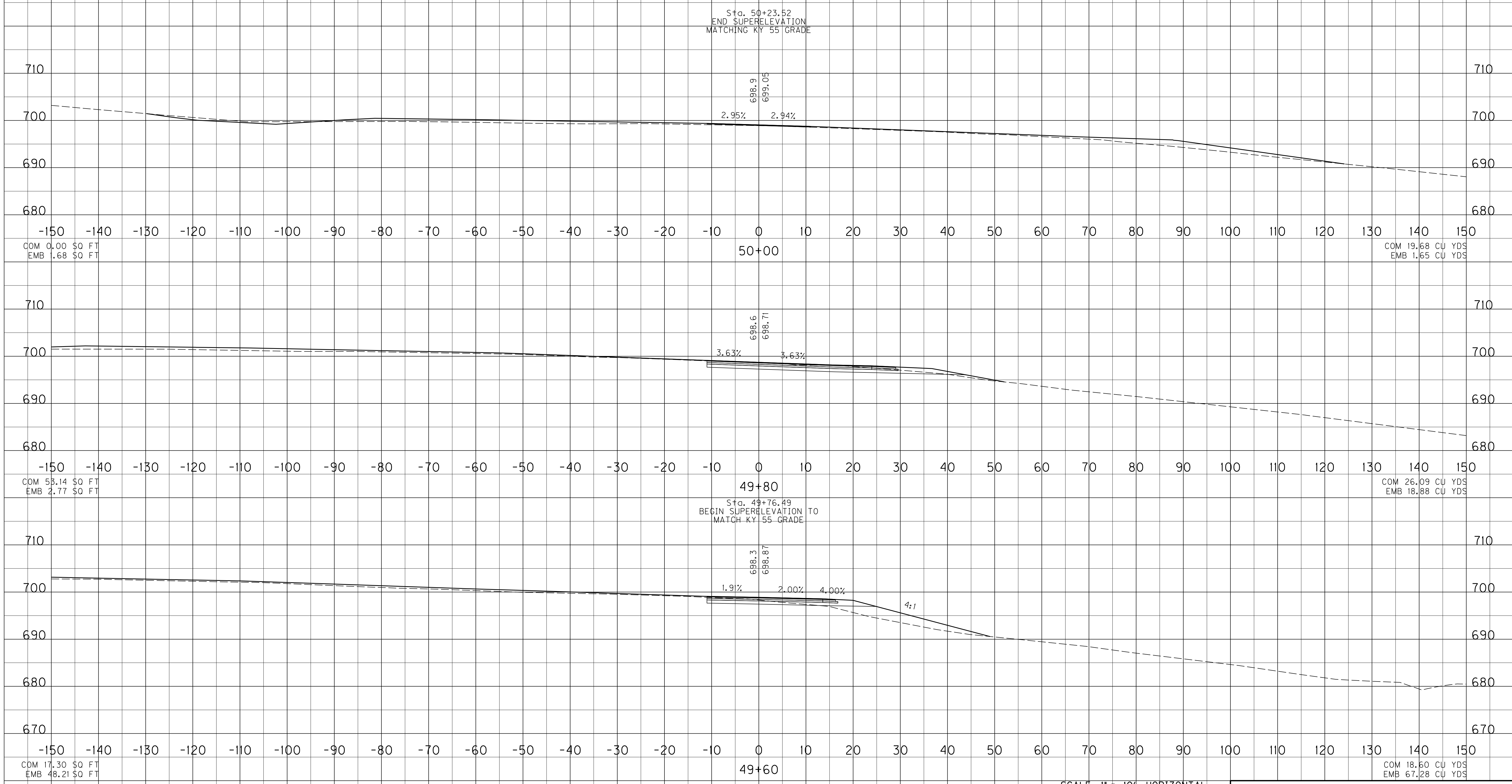


SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 49+00 TO STA. 49+40



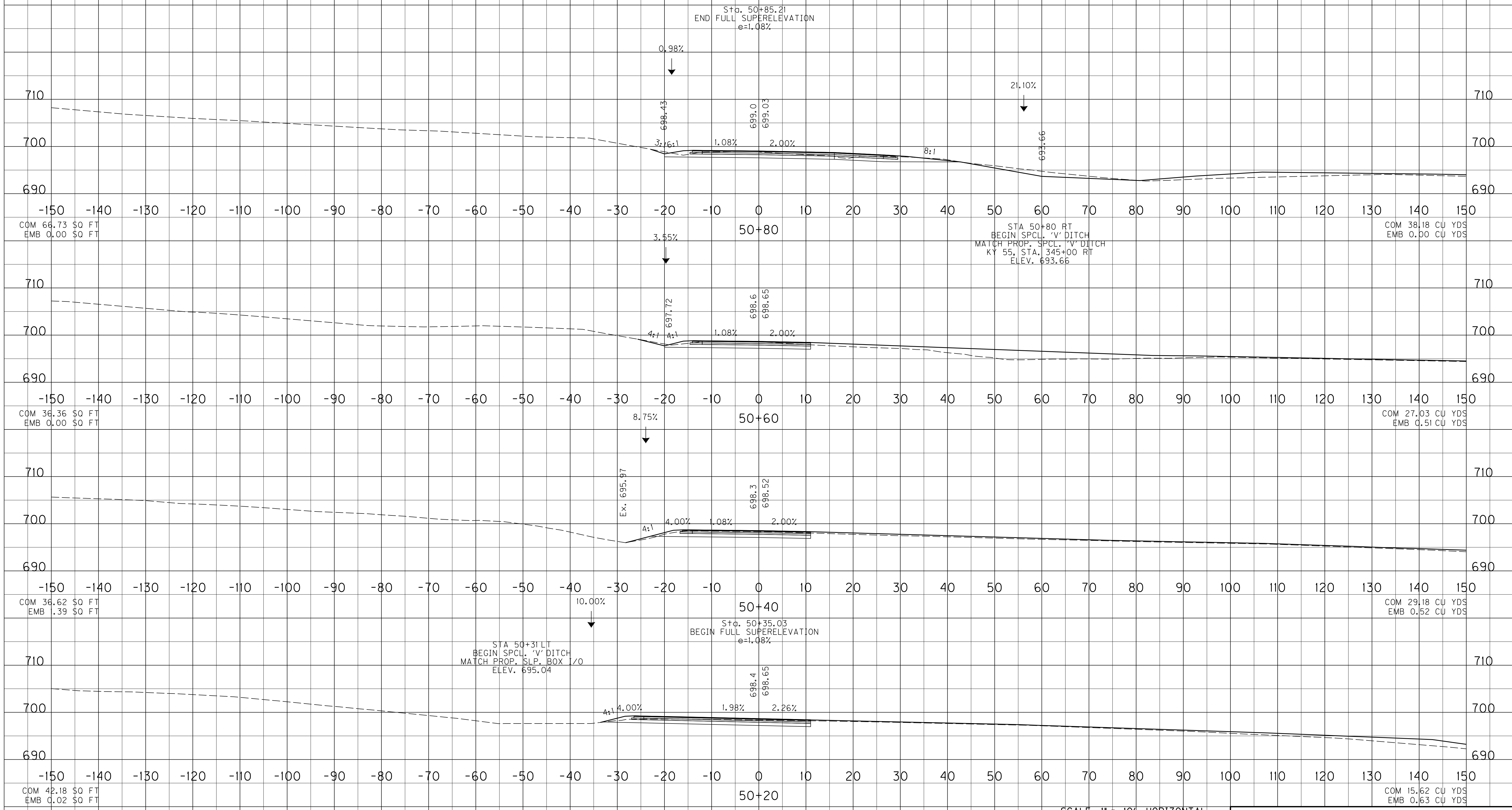
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890\X0100XS.DGN  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

**KY 1169**  
**CROSS SECTION**  
**STA. 49+60 TO STA. 50+00**

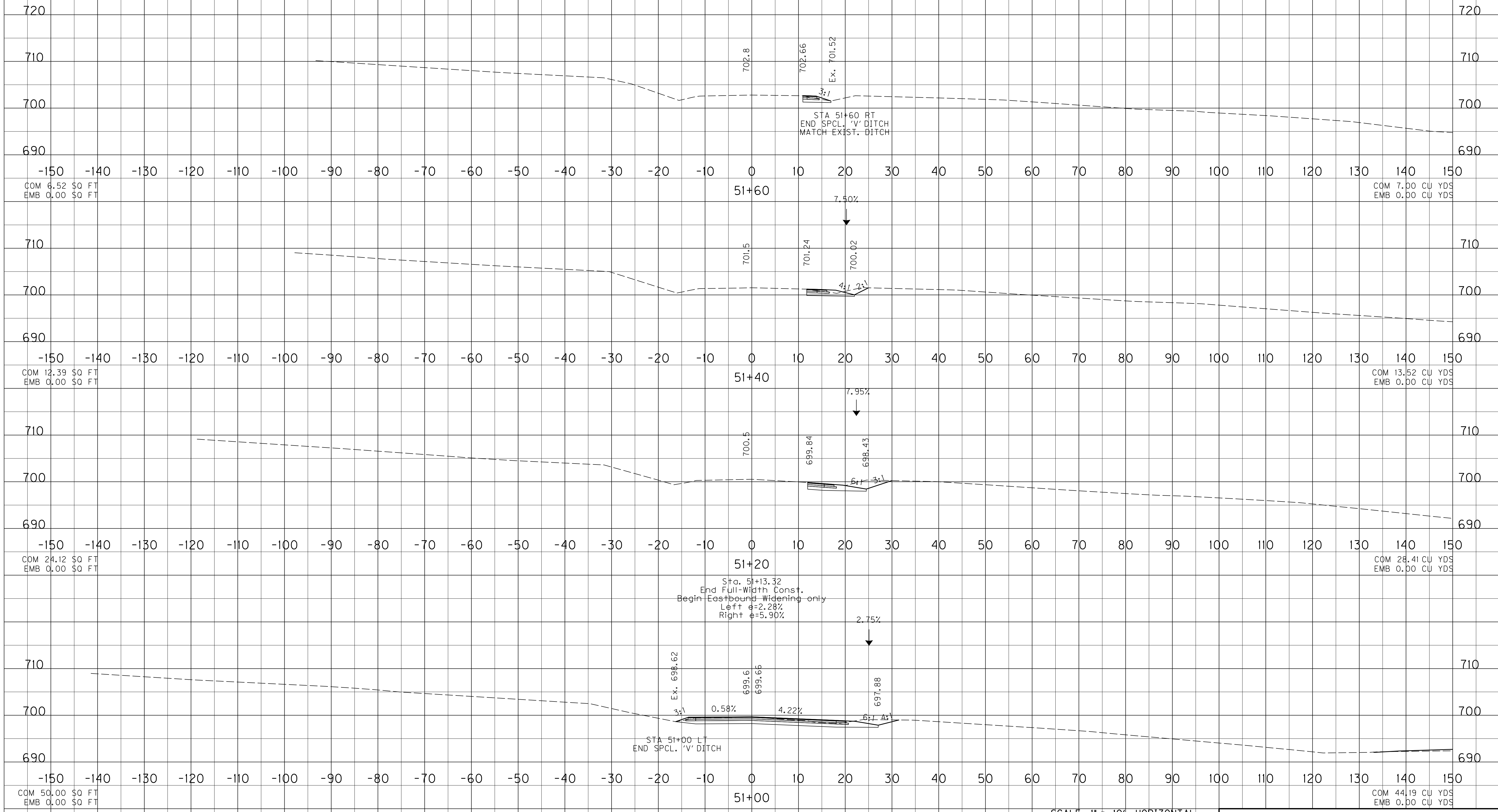
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Portick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 50+20 TO STA. 50+80

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

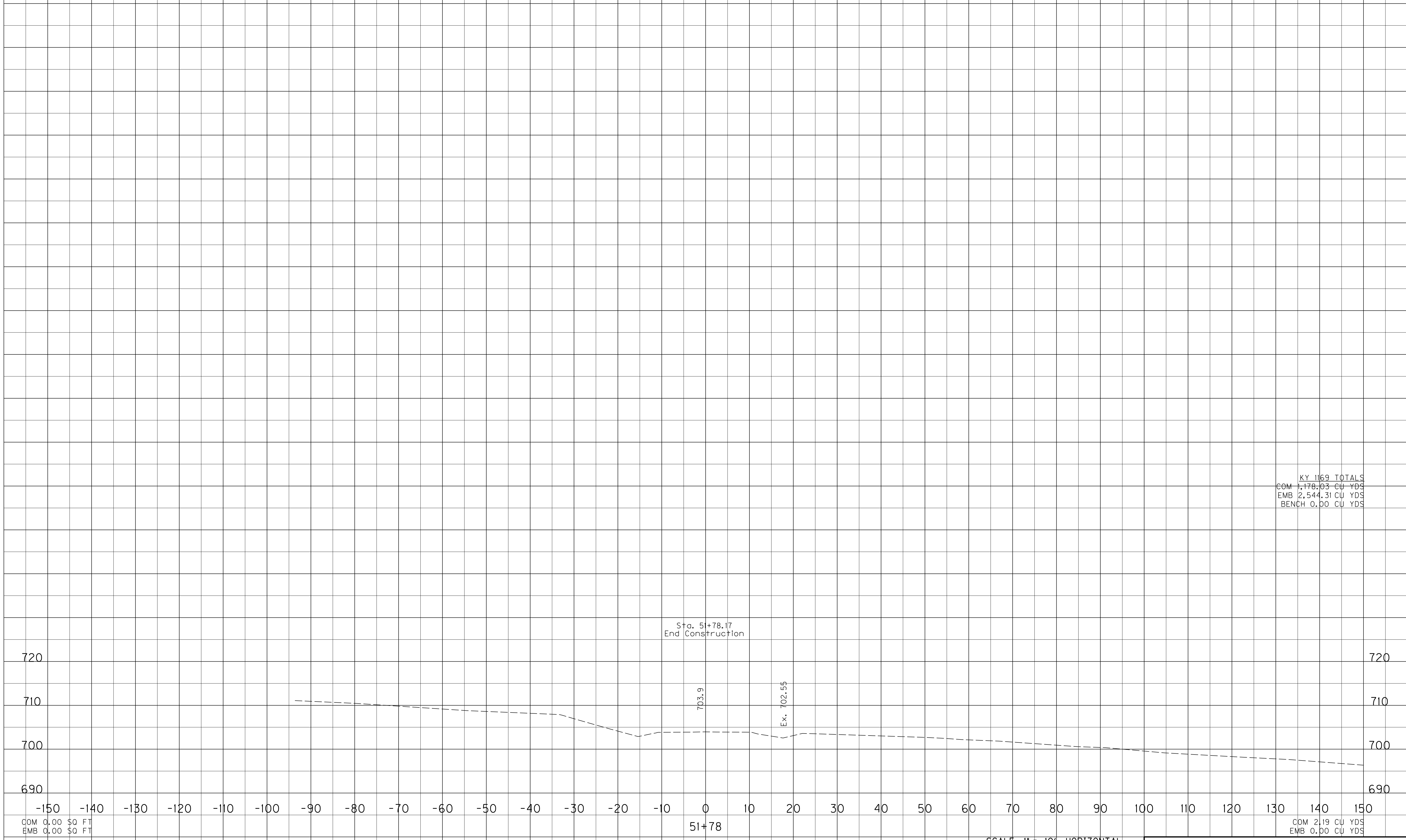


SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 51+00 TO STA. 51+60

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	X21

MicroStation v8.11.7.443  
 E-SHEET NAME:  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 13, 2014  
 FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN



KY 1169 TOTALS  
 COM 1,178.03 CU YDS  
 EMB 2,544.31 CU YDS  
 BENCH 0.00 CU YDS

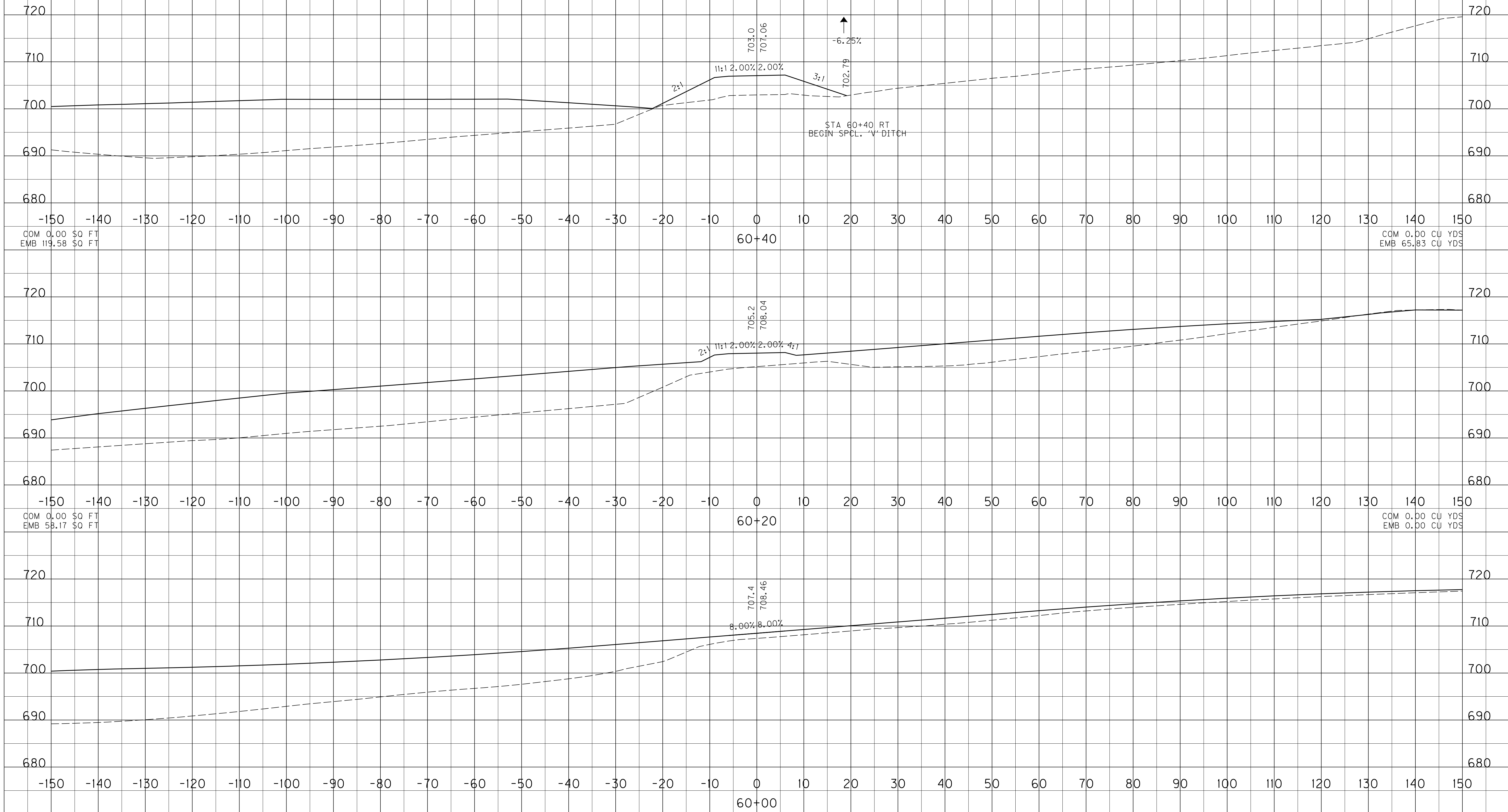
COM 0.00 \$0 FT  
 EMB 0.00 \$0 FT

COM 2.19 CU YDS  
 EMB 0.00 CU YDS

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 1169  
 CROSS SECTION  
 STA. 51+78 TO STA. 51+78

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	X22

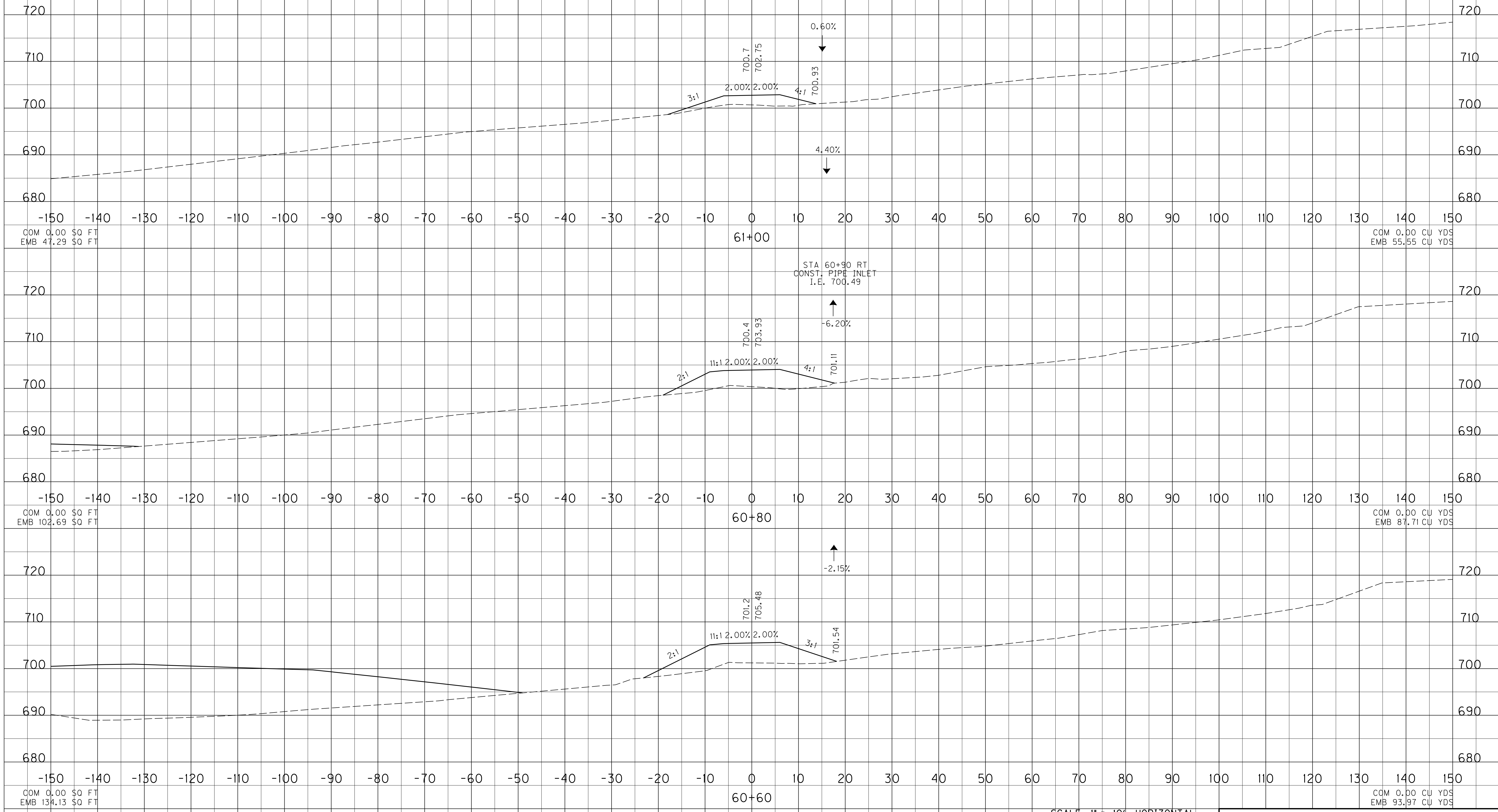


FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Potrick, Mothony  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

SKINNER LANE  
 CROSS SECTION  
 STA. 60+00 TO STA. 60+40

COUNTY OF	ITEM NO.	SHEET NO.
SPENCER	5-476.00	X23



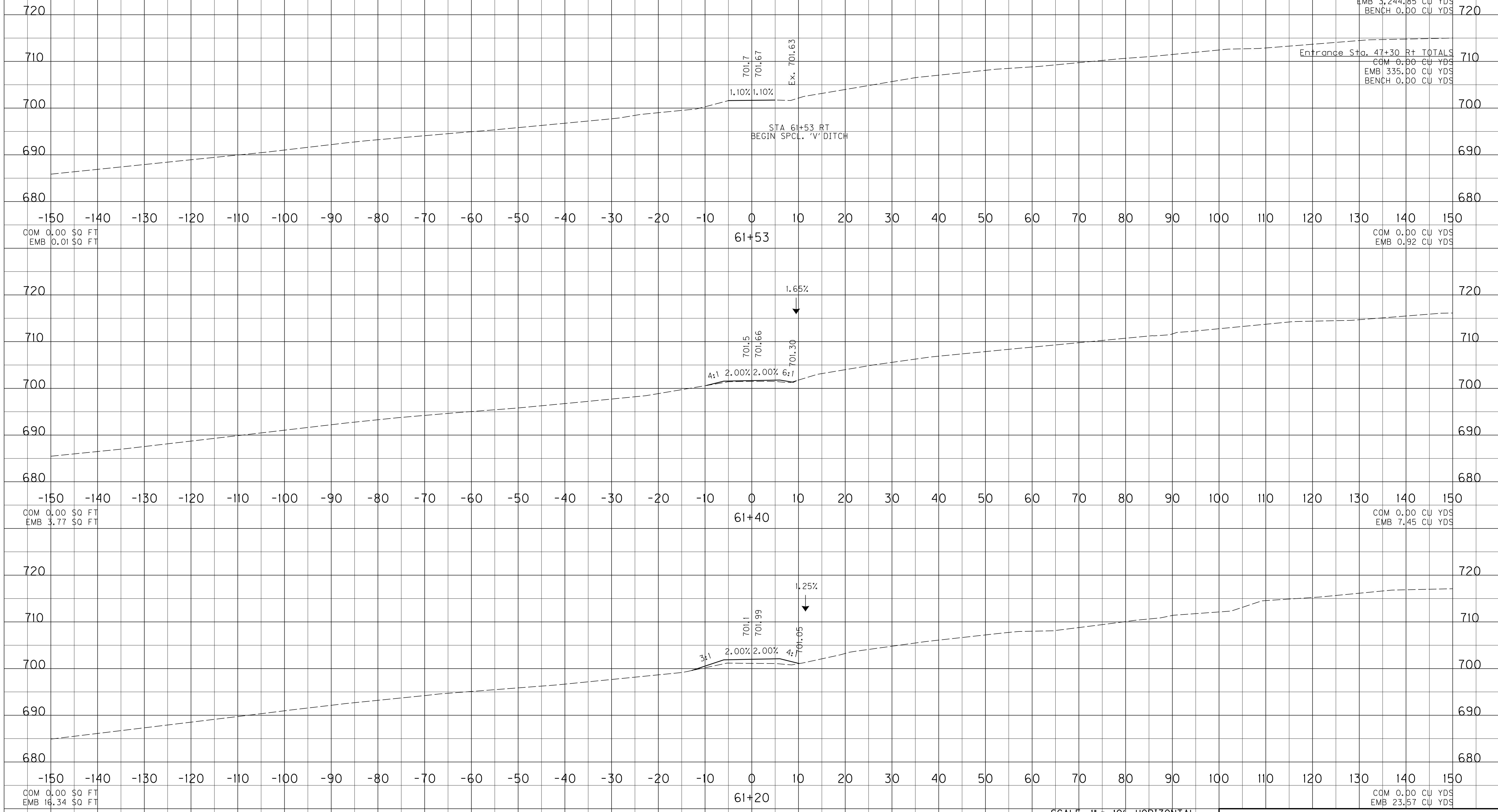
FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN  
 USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

SKINNER LANE  
 CROSS SECTION  
 STA. 60+60 TO STA. 61+00

PROJECT TOTALS  
 COM 3,873.42 CU YDS  
 EMB 3,244.85 CU YDS  
 BENCH 0.00 CU YDS

Entrance Sta. 47+30 Rt TOTALS  
 COM 0.00 CU YDS  
 EMB 335.00 CU YDS  
 BENCH 0.00 CU YDS



COM 0.00 CU YDS  
 EMB 0.92 CU YDS

COM 0.00 CU YDS  
 EMB 7.45 CU YDS

COM 0.00 CU YDS  
 EMB 23.57 CU YDS

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

SKINNER LANE  
 CROSS SECTION  
 STA. 61+20 TO STA. 61+53

FILE NAME: G:\PWORK\ADAM.ULRICH\0872890.X0100XS.DGN

USER: Potrick, Matthew  
 DATE PLOTTED: May 13, 2014

E-SHEET NAME:

MicroStation v8.11.7.443