FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\01-LAYOUT SHEET CONST.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R1

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

MARSHALL COUNTY

RECONSTRUCT I-24 / I-69
JULIAN CARROLL (PURCHASE) PARKWAY INTERCHANGE

GRADE, DRAIN, BRIDGE, RETAINING WALL, SIGNING, LIGHTING, AND SURFACING PLANS

PRE-BID PLANS

FOR INFORMATION ONLY

NH 0241 084

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R1A	CONSTRUCTION REVISION INDEX
R1B	SCHEMATIC FOR PLAN SHEET LAYOUT
R2 – R2S	TYPICAL SECTIONS
R2T – R2Z (INCLUDING R2 ZAA & R2 ZBB)	SUMMARY OF QUANTITIES, AND GENERAL NOTES
R3 – R60 (INCLUDING R6A, R8A, R17A, R18A, R18B R18C, R18D, R18E, R18F, R18G, & R18H)	PLAN AND PROFILE SHEETS
R61	RIGHT OF WAY SUMMARY SHEET
R62	RIGHT OF WAY STRIP MAP SHEET
R63 – R64	COORDINATE CONTROL SHEETS
R65 – R65A	GEOMETRIC APPROVAL SHEETS
R66 – R106	MAINTENANCE OF TRAFFIC SHEETS
R107 – R111	DETAIL SHEETS (PAVEMENT DEVELOPMENTS)
R112 – R113	GRADING PLAN (NE & SE QUADRANT)
R114 – R130	STRIPING PLANS
R131 – R137	EROSION CONTROL SHEETS
R138 – R161	PIPE DRAINAGE SHEETS
R162 – R162_	MITIGATION PLAN SHEETS
R163 – R163P	SOIL PROFILE SHEETS
R164 – R164D	ROADWAY LIGHTING SHEETS
R165 – R165G	ACTIVE SEPIAS
S	STRUCTURE PLANS
T1 – T69	TRAFFIC PLANS (SIGNING SHEETS)
U	UTILITY RELOCATION PLANS
X1–X308 (INCLUDING X127A)	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R1A, R1B, R2A THRU R2Z, R2Z1, R2Z2, R6A, R8A, R17A, R18A THRU R18H, R65A, R165A THRU R165G, X127A

STANDARD DRAWINGS

DWG. NUMBER			
RBB–002–08	RDB–430–04	RDP–005–04	RGX–200
RBB–003–02	RDB–040–04	RDP–006–03	RRE–002–04
RBC–001–10	RDI–001–09	RDP–007–03	TPM–125–02
RBC–100–03	RDI–002–04	RDP–010–08	TPM–135–02
RBE–070–15	RDI–003–04	RDX–001–05	TTC–115–02
RBE–200–05	RDI–004–03	RDX–002–03	TTC–120–02
RBI–002–06	RDI–005–03	RDX–010–04	TTC–135–01
RBI–004–04	RDI–006–03	RDX–060–03	TTC–150–02
RBI–006–06	RDI–007–03	RDX–065–03	TTC–155–01
RBM–020–08	RDI–008–03	RDX–160–05	TTC–160–01
RBM–050	RDI–011–02	RDX–210–02	TTD–110–01
RBM–053	RDI–012–05	RDX–215	TTD–120–01
RBM–060	RDI–016–02	RDX–220–04	TTD–125–01
RBM–115–09	RDI–020–08	RDX–230	TTS–110–01
RBR–010–05	RDI–021	RFW–001–05	TTS–115–01
RBR–016–04	RDI–025–04	RFW–005–07	TTS–120–01
RBR–020–05	RDI–026	RGS–001–06	
RDB–001–00	RDI–035–01	RGS–002–05	BRIDGE DWGS
RDB–005–08	RDI–040	RGX–001–05	
RDB–105–05	RDI–041	RGX–0002–08	(GRAVITY WALL)?
RDB–106–04	RDI–045–01	RGX–010–03	
RDB–230–08	RDI–120–03	RGX–015–02	HEADWALL SUPPLEMENT
RDB–231–10	RDM–01–05	RGX–060	RDH–005–02
RDB–240–01	RDM–011–04	RGX–061	RDH–020–03
RDB–241–01	RDM–012–02	RGX–065–01	RDH–110–02
RDB–400–04	RDM–013–03	RGX–100–05	RDH–210–03
RDB–410–05	RDP–001–05	RGX–105–07	RDH–310–04
RDB–420–04			

NUMBER OF STANDARD DRAWINGS

FOR ACTIVE SEPIA LIST SEE "INDEX OF SHEETS" ABOVE.

DESIGN CRITERIA

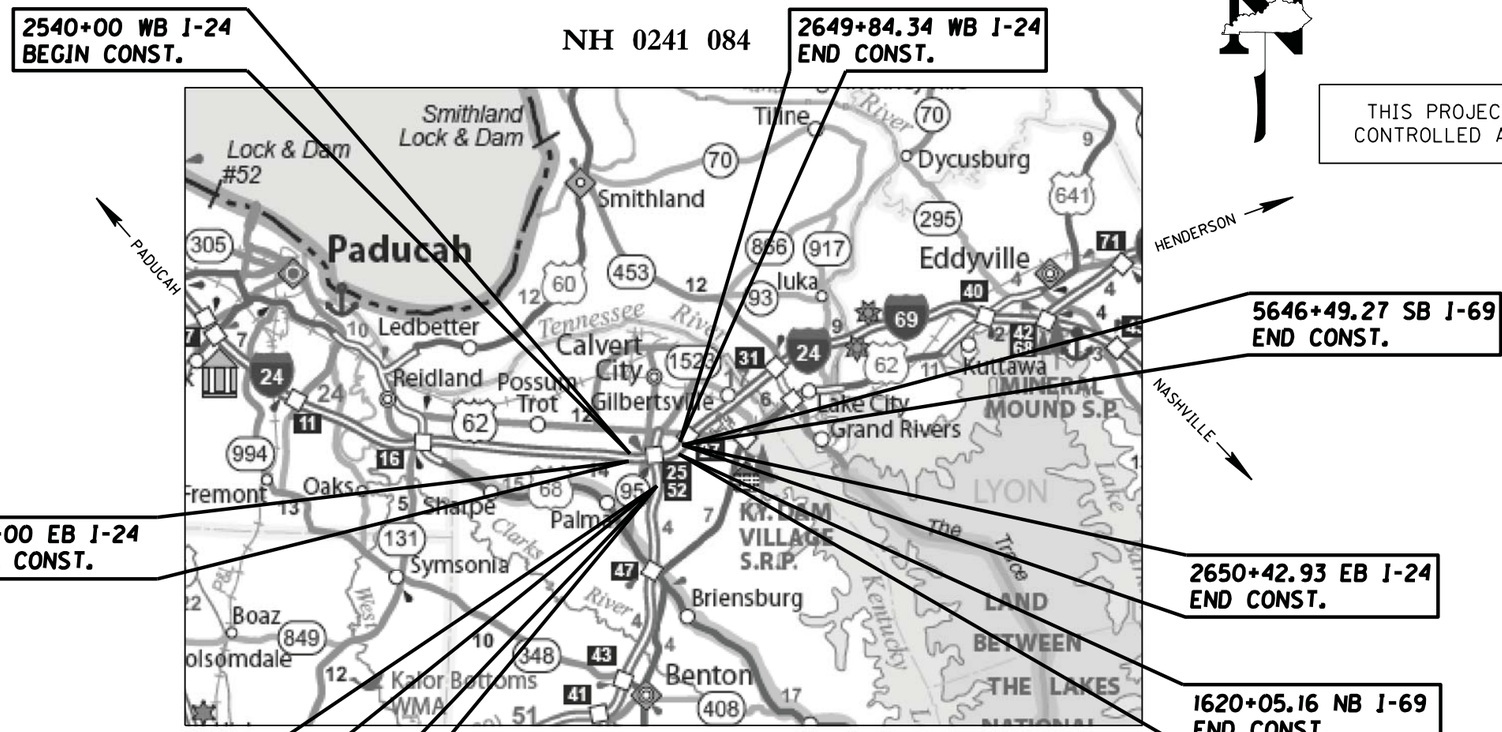
CLASS OF HIGHWAY	RURAL INTERSTATE
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	70 MPH
REQUIRED NPSD	NA
REQUIRED PSD	NA
LEVEL OF SERVICE	C
ADT PRESENT (2013)	29,200
ADT FUTURE (2040)	40,400
DHV	3,620
D %	
T %	42% ADT

GEOGRAPHIC COORDINATES

LATITUDE 36 DEGREES 59 MINUTES 25 SECONDS NORTH
LONGITUDE 88 DEGREES 20 MINUTES 49 SECONDS WEST

DESIGNED

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



GRAPHIC SCALE IN MILES

LAYOUT MAP

THIS PROJECT IS ON THE NH SYSTEM

	EB I-24	WB I-24	NB I-69	SB I-69
LENGTH	11,042.93 LIN. FT. 2.091 MILES	10,984.34 LIN. FT. 2.080 MILES	6347.05 LIN. FT. 1.202 MILES	8999.27 LIN. FT. 1.704 MILES
ADDED / DEDUCTED — FOR EQUALITIES	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.
NOT INCLUDED				
RAILROAD CROSSINGS NO.	0.00 LIN. FT.	0.00 LIN. FT.	0.00 LIN. FT.	0.00 LIN. FT.
BRIDGES	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MARSHALL

RECONSTRUCT I-24 / I-69
JULIAN CARROLL (PURCHASE) PARKWAY INTERCHANGE

ITEM NO. 01-800.00
PROJECT NUMBER: NH 0241 084
FD52 079 0024 9004 (I-24)
LETTING DATE: OCTOBER 2015

RECOMMENDED BY: _____ PROJECT MANAGER DATE:
PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE:

PLANS PREPARED BY:
BFW
BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

STATE OF KENTUCKY TIMOTHY B. CHOATE 15176 LICENSED PROFESSIONAL ENGINEER

TIMOTHY B. CHOATE, PE

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	RIA

CONSTRUCTION REVISION INDEX

COUNTY: MARSHALL PROJECT NO. 1–800.00

ROAD NAME : I–24 / I–69 INTERCHANGE

CONSTRUCTION REVISION NO. 1

RIGHT OF WAY IS ☐ IS NOT ☐ INVOLVED

_____ SHEETS IN REVISION/SEE CHANGE ORDER NO. _____

DATE APPROVED BY FHWA: _____

PAGE NOS. IN REVISION: _____

SUBMITTED BY: _____
PROJECT ENGINEER DATE

RECOMMENDED BY: _____
CHIEF DISTRICT ENGINEER DATE

RECOMMENDED BY: _____
DIRECTOR OF CONSTRUCTION DATE

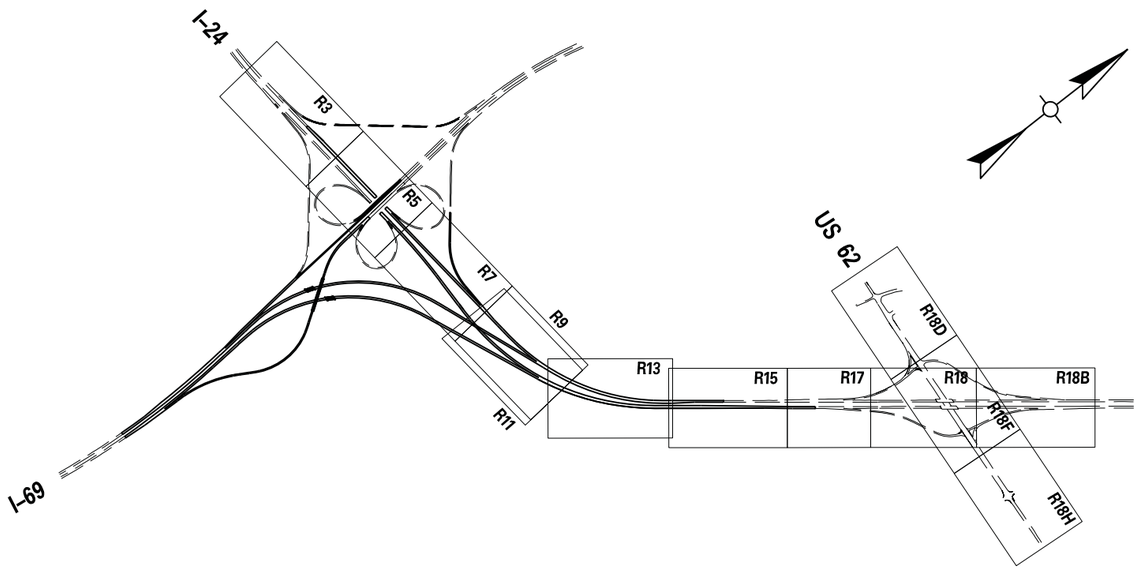
APPROVED BY: _____
EXECUTIVE DIRECTOR FOR PROJECT DELIVERY DATE

EXPLANATION OF REVISION NO. 1

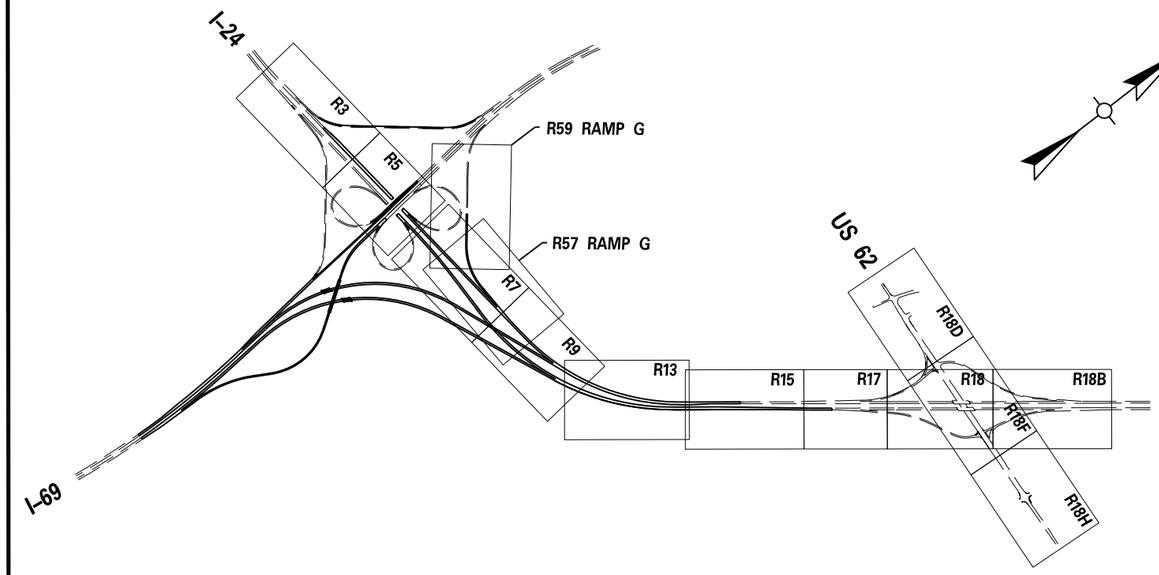
CONSTRUCTION REVISION INDEX

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: korider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\RIA CONST REVISION INDEX.DGN

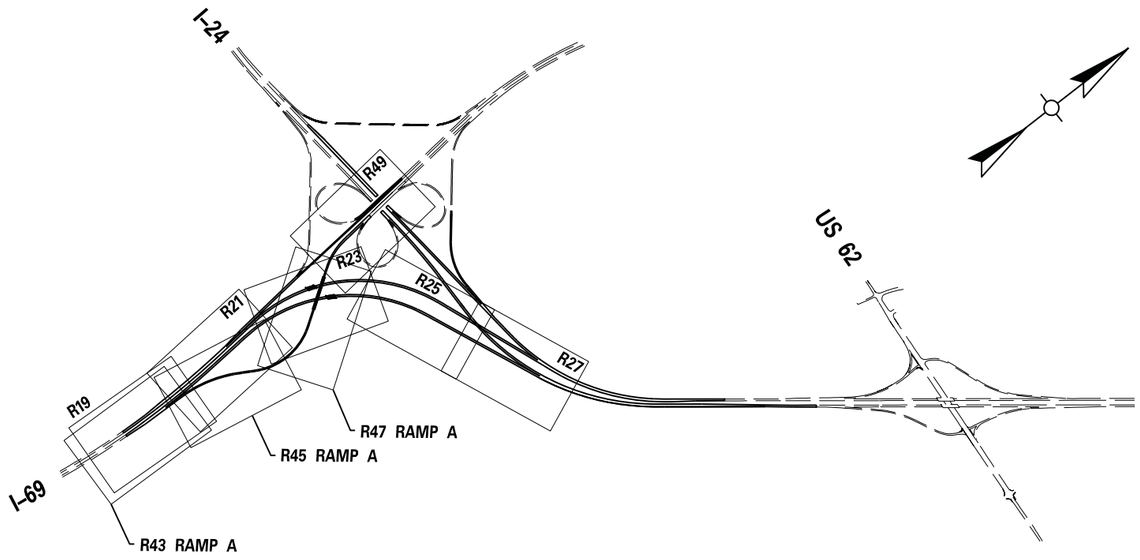
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R1B



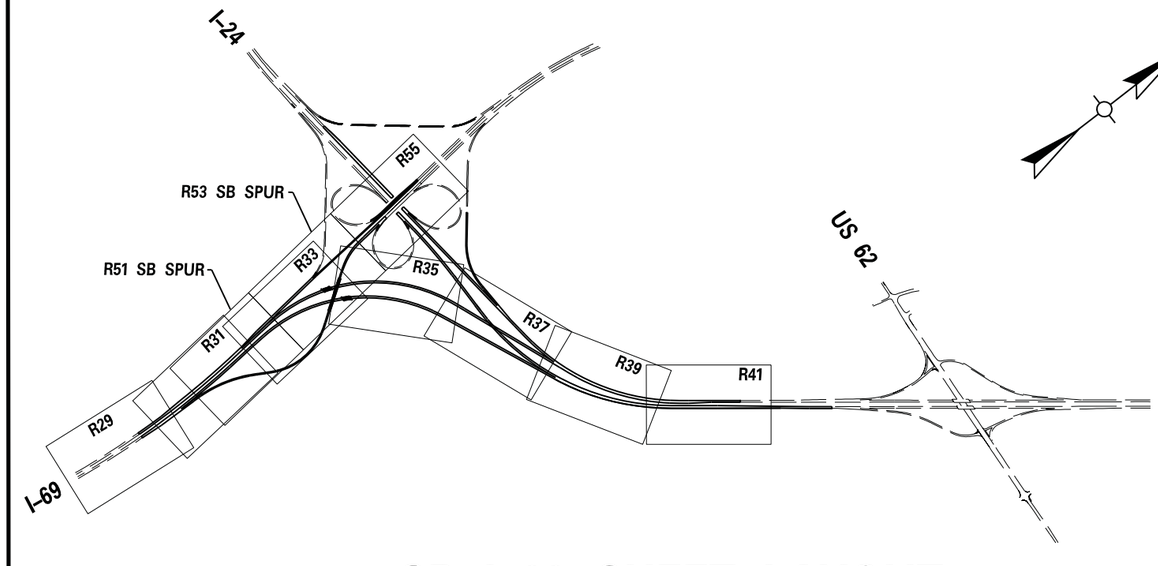
EB I-24 SHEET LAYOUT



WB I-24 SHEET LAYOUT



NB I-69 SHEET LAYOUT



SB I-69 SHEET LAYOUT

SCALE: 1"=NTS

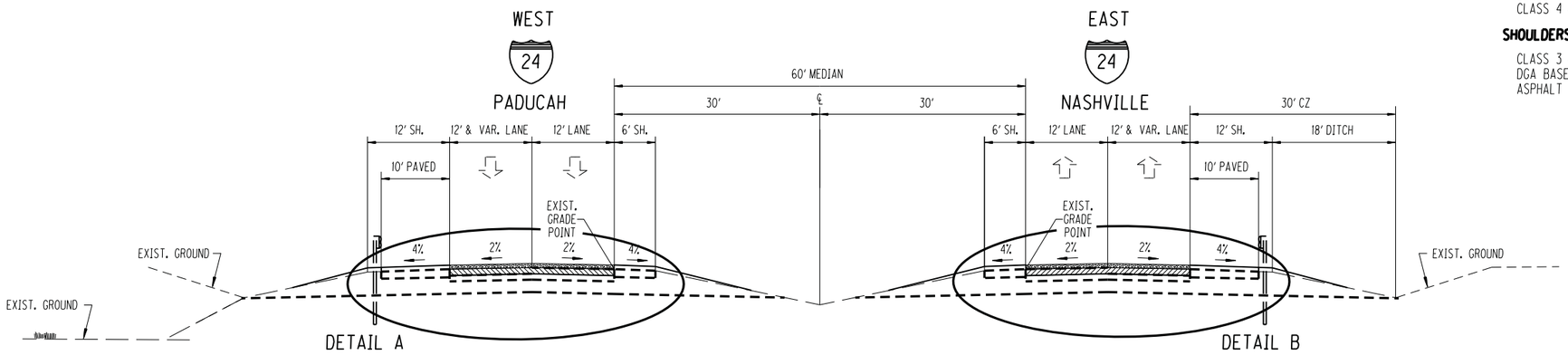
PLAN SHEET LAYOUT

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: kcrider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R1B PLAN SHEET LAYOUT.DGN

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2



WB I-24 OVERLAY SECTION
2540+00 TO 2551+91

EB I-24 OVERLAY SECTION
2540+00 TO 3568+88.61

SURFACING SCHEDULE

MAINLINE TRAFFIC LANES

ASPHALT PAVE, MILLING, AND TEXTURING ..... 2.25" DEPTH
CLASS 4 ASPHALT BASE 0.75D PG76-22 ..... 2.25" DEPTH
CLASS 4 ASPHALT SURFACE 0.5A PG76-22 ..... 1.50" DEPTH

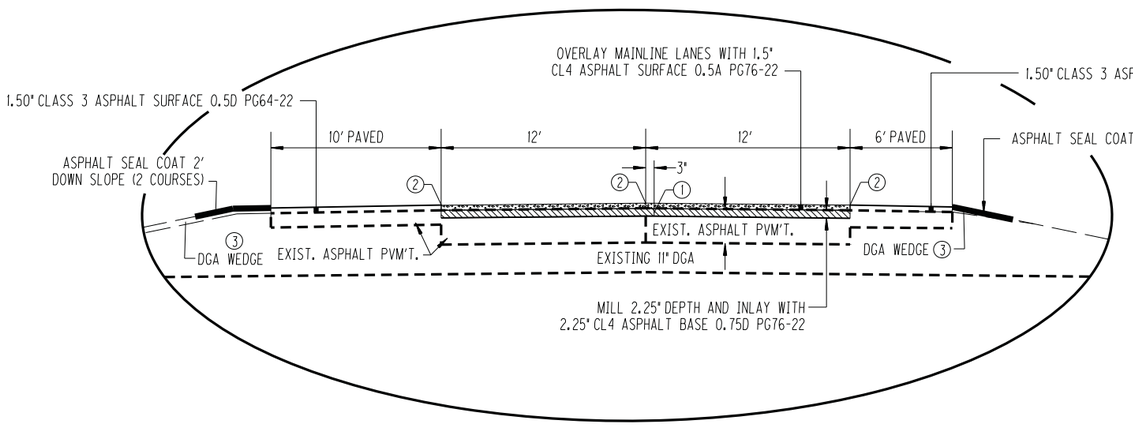
SHOULDERS

CLASS 3 ASPHALT SURFACE 0.5D PG64-22 ..... 1.50" DEPTH
DGA BASE (WEDGE)
ASPHALT SEAL COAT 2' DOWN SLOPE, (2 COURSES)

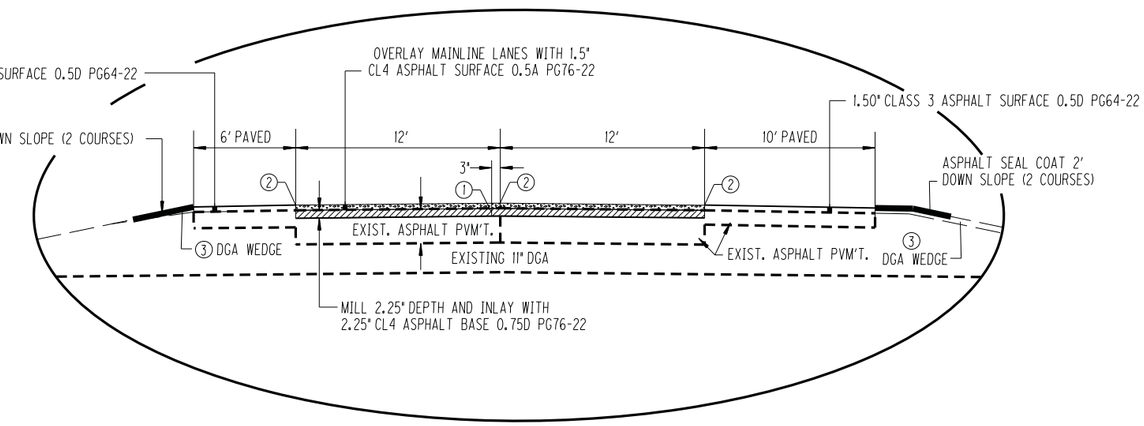
① PHASE I CONSTRUCTION WILL INCLUDE MILLING AND SURFACING AND ADDITIONAL 3" INTO THE INSIDE DRIVING LANE. THIS MATERIAL WILL BE MILLED AND RESURFACED TO THE CENTER LANE JOINT DURING PHASE II CONSTRUCTION IN ORDER TO ACHIEVE PROPER COMPACTION AT THE CENTERLANE JOINT.

② APPLY JOINT ADHESIVE (CENTERLINE AND SHOULDER JOINTS)

③ USE DGA BASE FOR WEDGING SHOULDERS.



DETAIL A



DETAIL B

TYPICAL SECTIONS

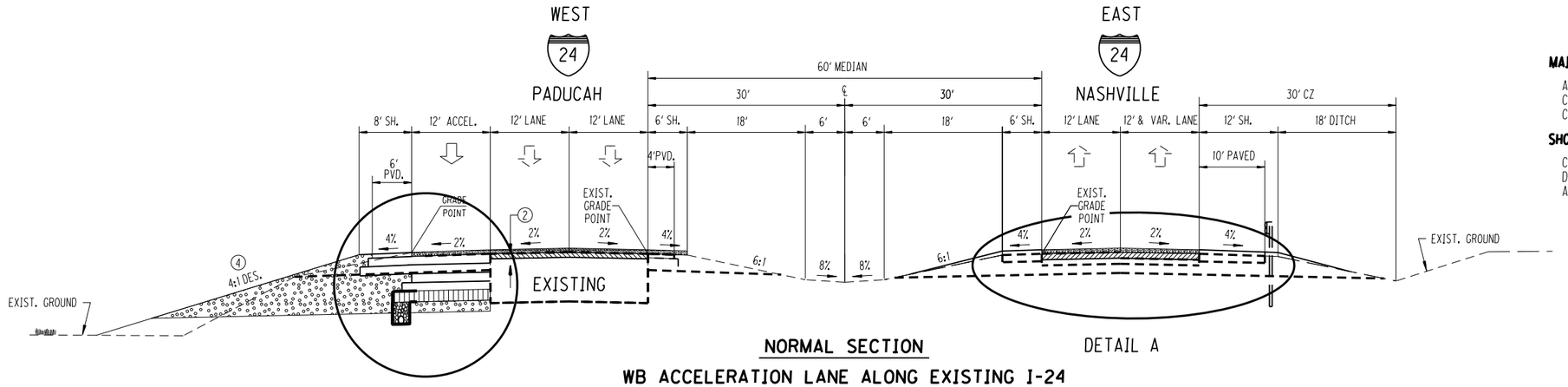
MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2A

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TYPICAL SECTIONS



NORMAL SECTION

DETAIL A

WB ACCELERATION LANE ALONG EXISTING I-24

2556+91 TO 2567+90

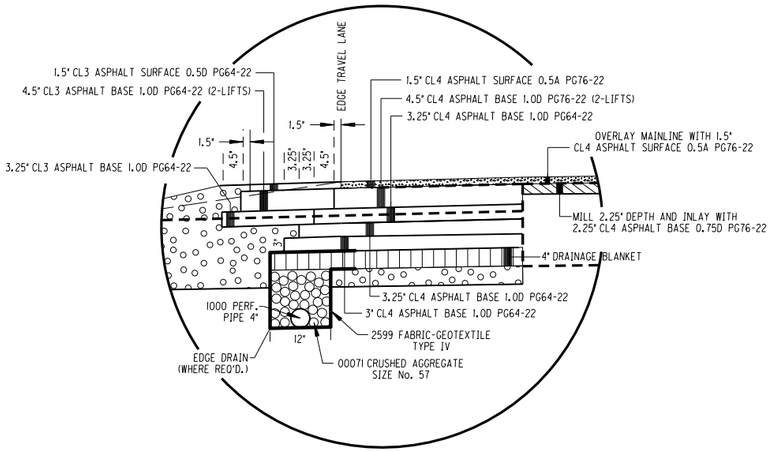
SURFACING SCHEDULE

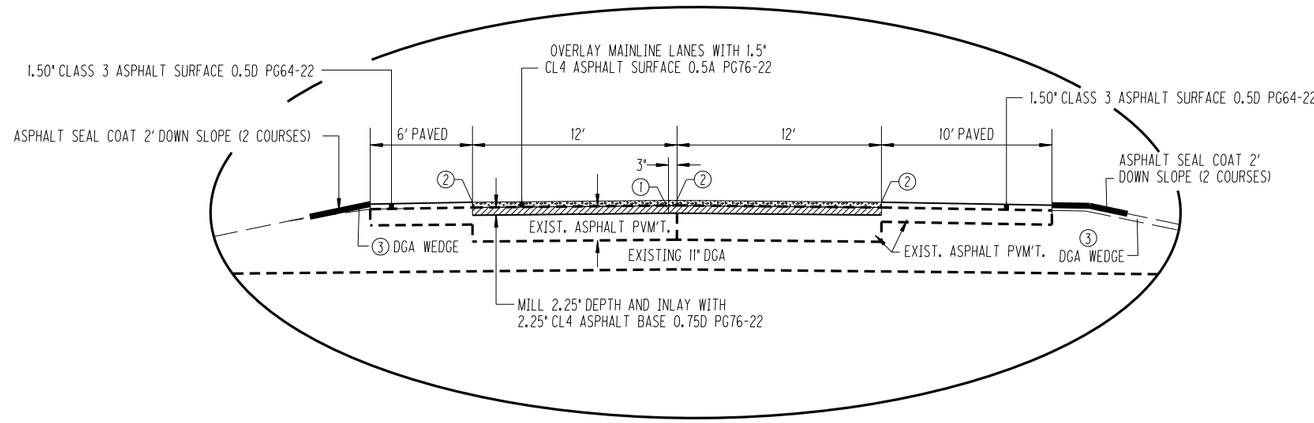
MAINLINE TRAFFIC LANES

ASPHALT PAVE, MILLING, AND TEXTURING ..... 2.25" DEPTH
CLASS 4 ASPHALT BASE 0.75D PG76-22 ..... 2.25" DEPTH
CLASS 4 ASPHALT SURFACE 0.5A PG76-22 ..... 1.50" DEPTH

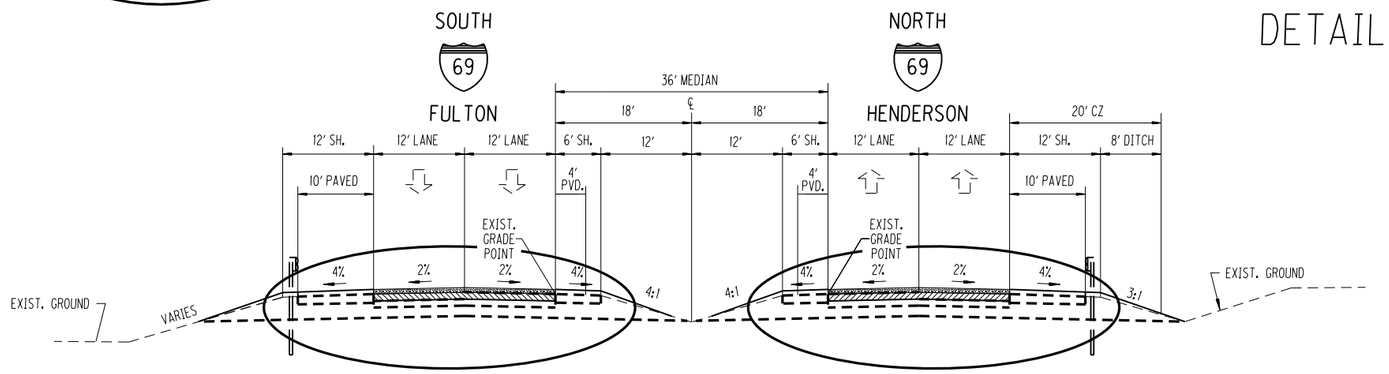
SHOULDERS

CLASS 3 ASPHALT SURFACE 0.5D PG64-22 ..... 1.50" DEPTH
DGA BASE (WEDGE)
ASPHALT SEAL COAT 2' DOWN SLOPE, (2 COURSES)





DETAIL A



DETAIL A DETAIL A

NORMAL SECTION

EXISTING JULIAN CARROLL (PURCHASE) PARKWAY

1. PHASE I CONSTRUCTION WILL INCLUDE MILLING AND SURFACING AND ADDITIONAL 3" INTO THE INSIDE DRIVING LANE. THIS MATERIAL WILL BE MILLED AND RESURFACED TO THE CENTER LANE JOINT DURING PHASE II CONSTRUCTION IN ORDER TO ACHIEVE PROPER COMPACTION AT THE CENTERLANE JOINT.
2. APPLY JOINT ADHESIVE (CENTERLINE AND SHOULDER JOINTS)
3. USE DGA BASE FOR WEDGING SHOULDERS.
4. SEE CROSS SECTIONS FOR SLOPES.

TYPICAL SECTIONS

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
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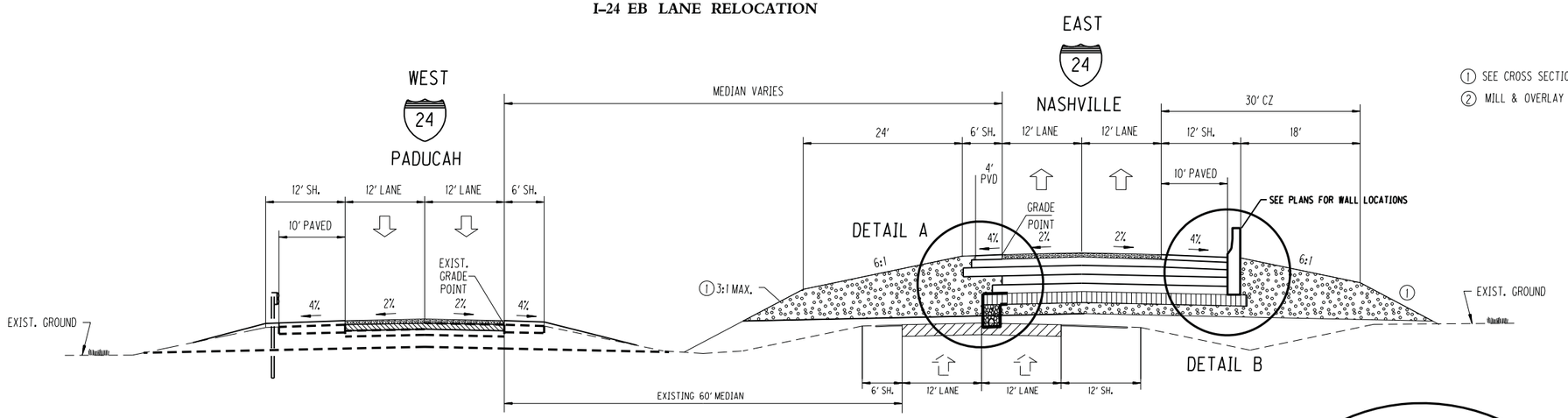
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2B

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

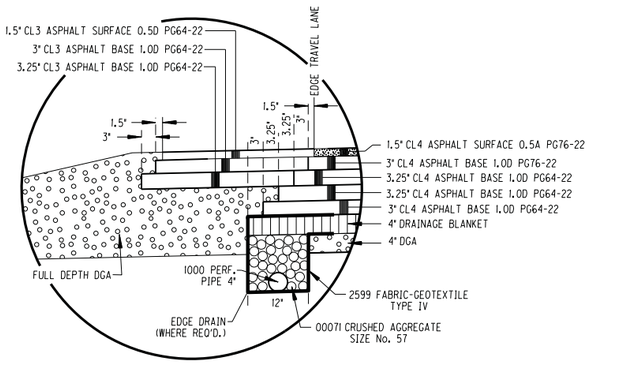
TYPICAL SECTIONS

I-24 EB LANE RELOCATION



NORMAL SECTION

I-24 EB LANE RELOCATION



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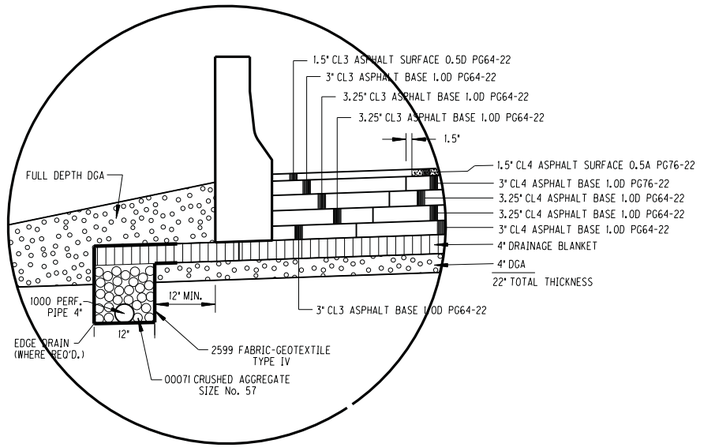

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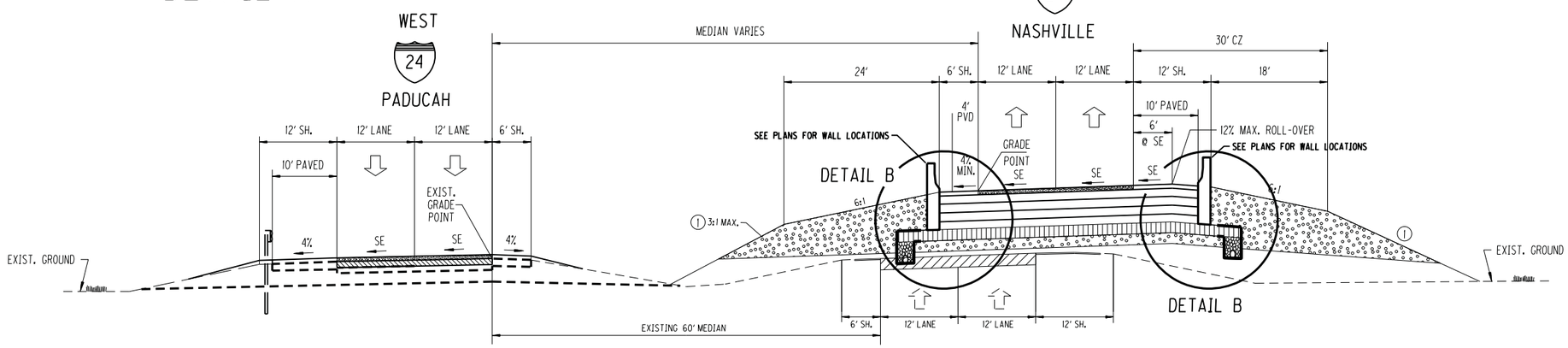

SUPERELEVATED SECTION

I-24 EB LANE RELOCATION

TYPICAL SECTIONS

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
USER: rsullivan
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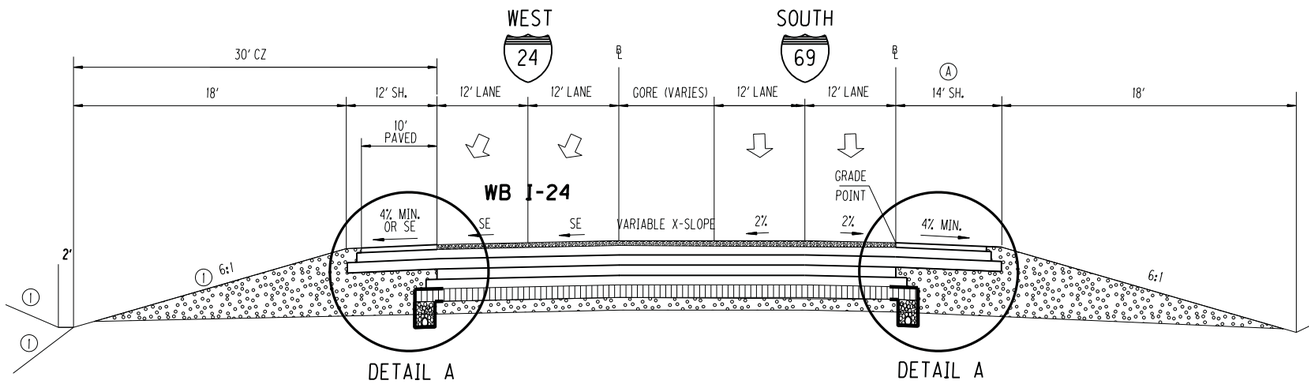
MicroStation v8.11.9.459

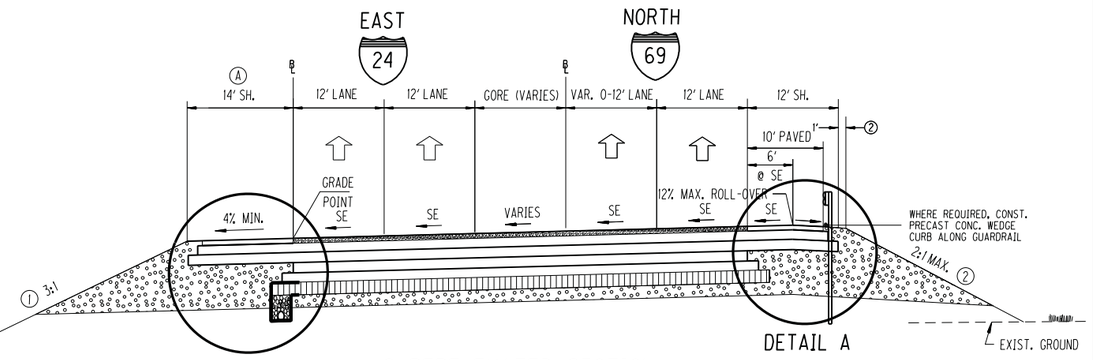
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2C

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

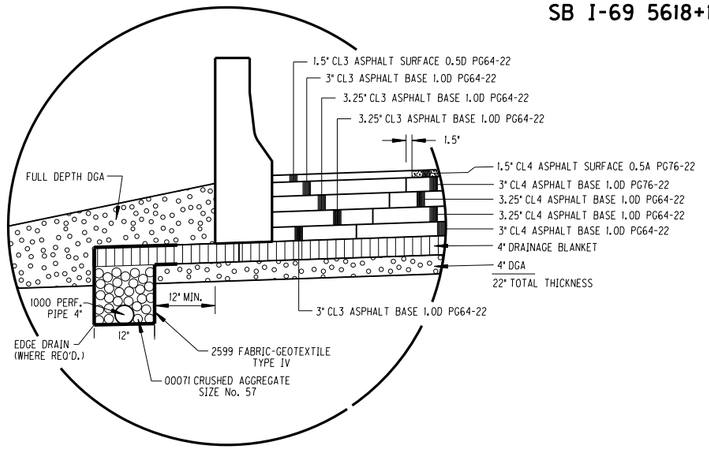
TYPICAL SECTIONS



TANGENT SECTION
SB I-69 5618+18 (GORE) TO 5620+57



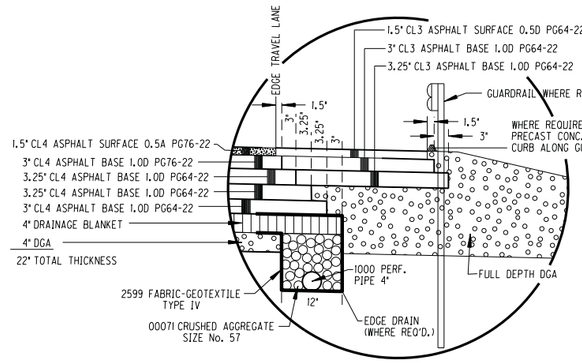
SUPERELEVATED SECTION
EB I-24 / NB I-69 IN MERGE GORE
NB I-69 1616+40 TO 1620+05.16



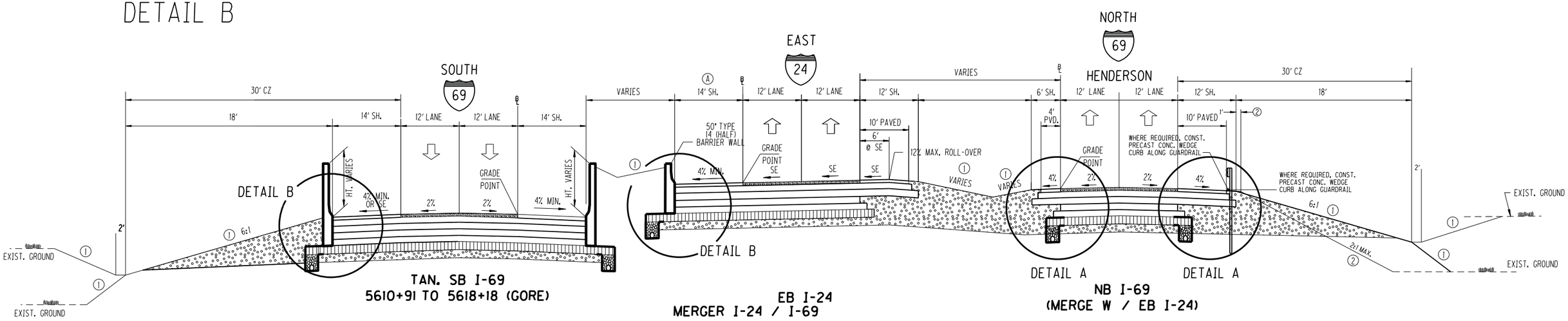
DETAIL B

MERGE GORES I-24 / I-69

1. SEE CROSS SECTIONS FOR SLOPES.
2. SHOULDERS TO BE WIDENED 1' WHERE GUARDRAIL IS REQ'D. SEE CROSS SECTIONS FOR SLOPES.



DETAIL A



TAN. SB I-69
5610+91 TO 5618+18 (GORE)

EB I-24
MERGER I-24 / I-69
SHOWING WALLS IN MEDIAN

NB I-69
(MERGE W / EB I-24)

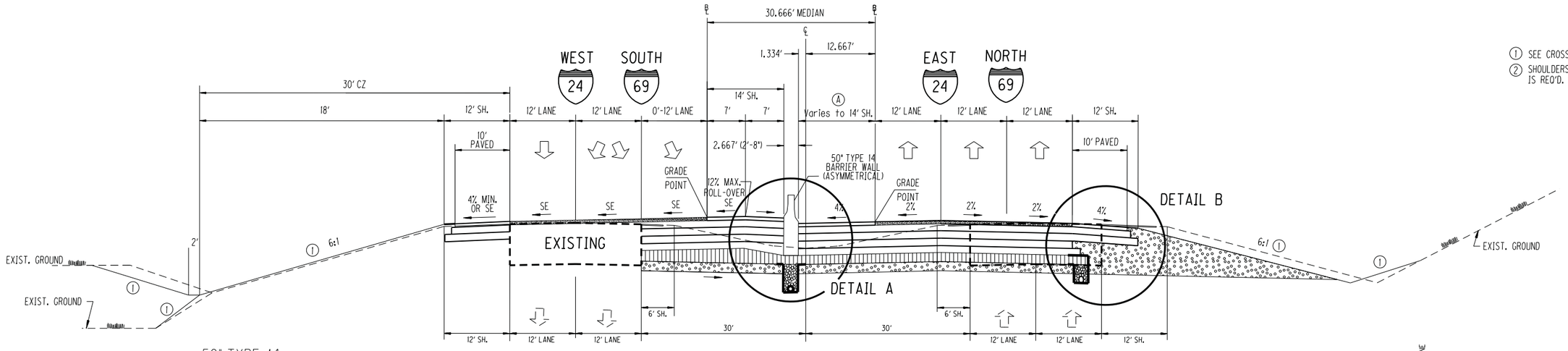
TYPICAL SECTIONS

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2D

1. SEE CROSS SECTIONS FOR SLOPES.
2. SHOULDERS TO BE WIDENED 1' WHERE GUARDRAIL IS REQ'D. SEE CROSS SECTIONS FOR SLOPES.



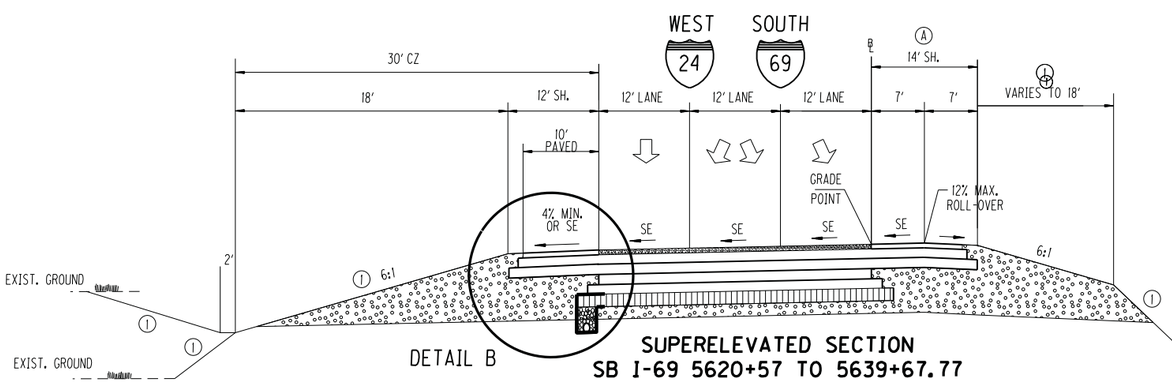
SUPERELEVATED SECTION
SB I-69 5620+57 TO 5639+67.77

TANGENT SECTION
EB I-24 3614+32.28 TO 3615+44.43

SECTION SHOWING BARRIER WALL IN MEDIAN
MERGER I-24 / I-69

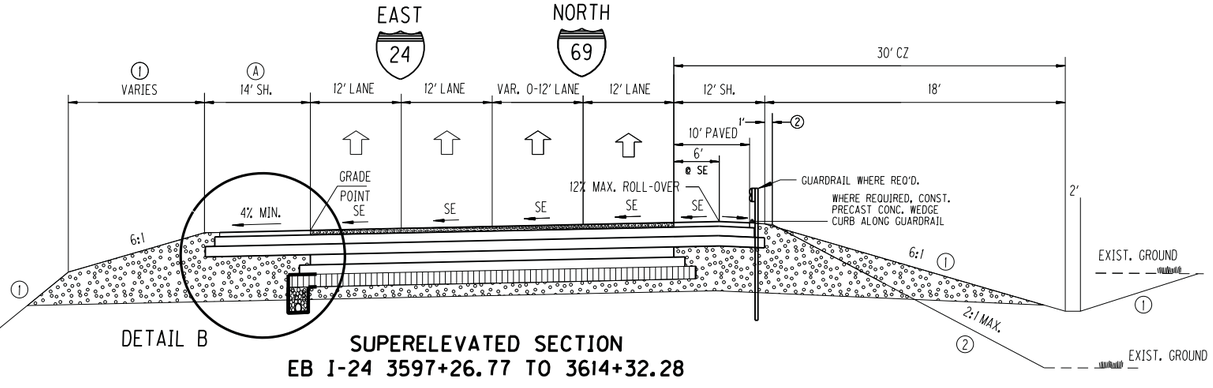
DETAIL A

DETAIL B



DETAIL B

SUPERELEVATED SECTION
SB I-69 5620+57 TO 5639+67.77



DETAIL B

SUPERELEVATED SECTION
EB I-24 3597+26.77 TO 3614+32.28

SUPERELEVATED SECTION
MERGER I-24 / I-69

TYPICAL SECTIONS

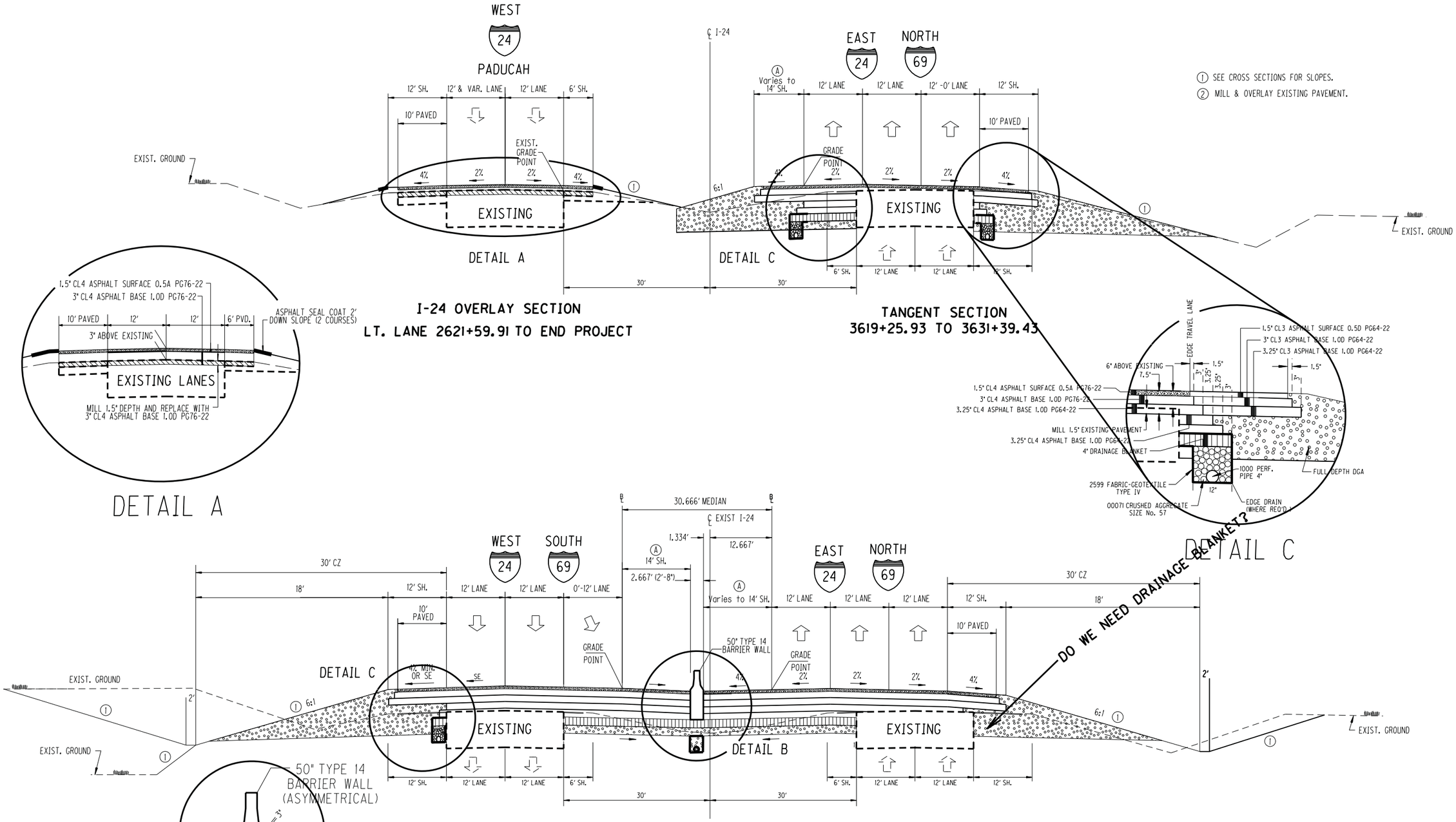
MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2E

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TYPICAL SECTIONS



SECTION SHOWING BARRIER WALL IN MEDIAN

MERGER I-24 / I-69

TYPICAL SECTIONS

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
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MicroStation v8.11.9.459

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2F

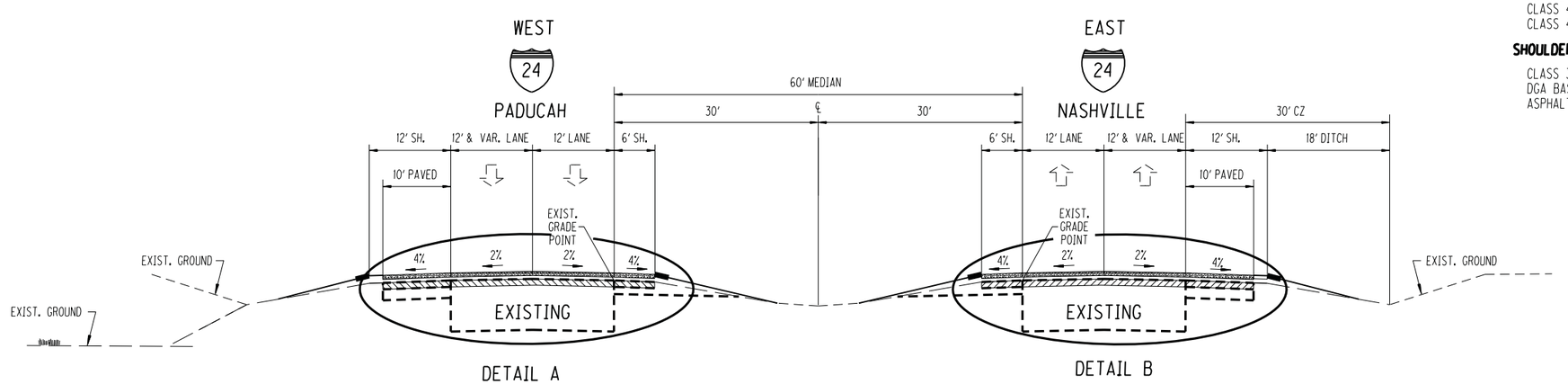
SURFACING SCHEDULE

MAINLINE TRAFFIC LANES

ASPHALT PAVE, MILLING, AND TEXTURING ..... 2.25" DEPTH
CLASS 4 ASPHALT BASE 0.75D PG76-22 ..... 2.25" DEPTH
CLASS 4 ASPHALT SURFACE 0.5A PG76-22 ..... 1.50" DEPTH

SHOULDERS

CLASS 3 ASPHALT SURFACE 0.5D PG64-22 ..... 1.50" DEPTH
DGA BASE (WEDGE)
ASPHALT SEAL COAT 2' DOWN SLOPE, (2 COURSES)

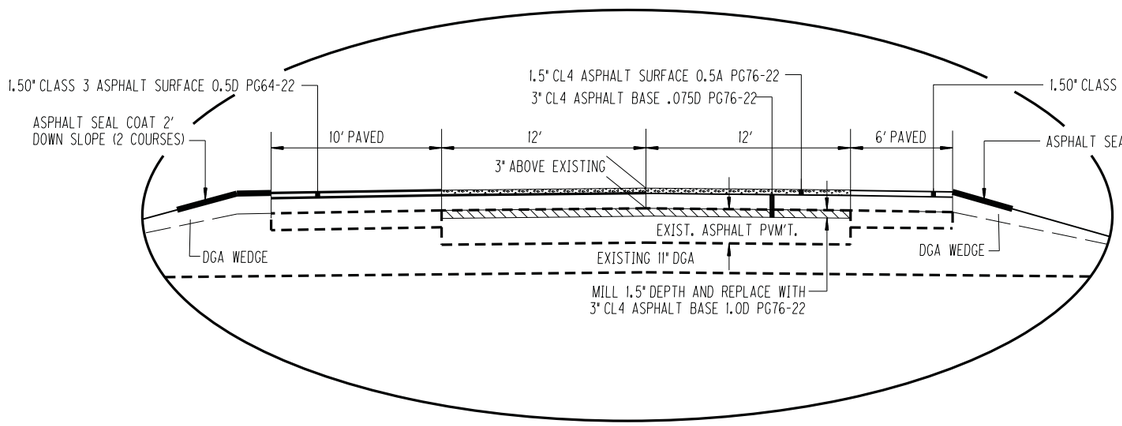


DETAIL A

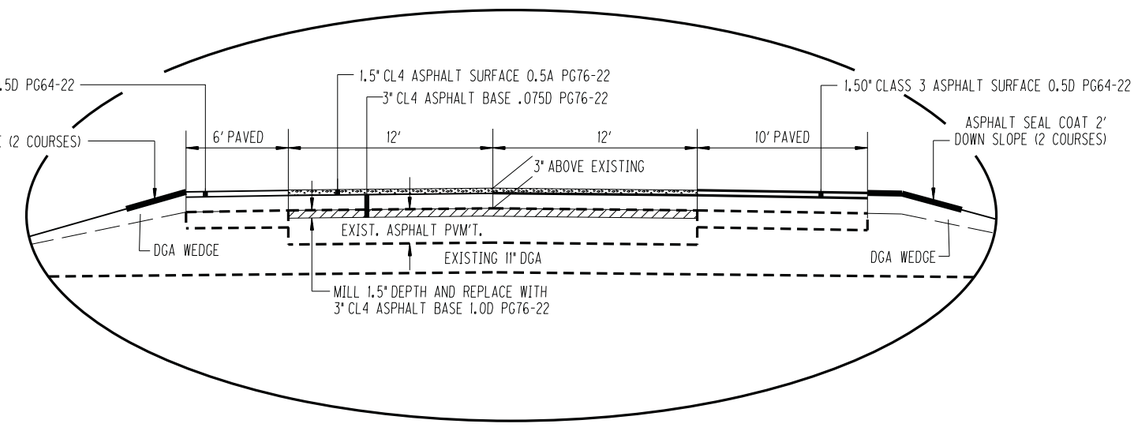
I-24 OVERLAY SECTION
LT. LANE 2621+59.91 TO END PROJECT

DETAIL B

I-24 OVERLAY SECTION
RT. LANE 3631+39.43 TO END PROJECT



DETAIL A



DETAIL B

TYPICAL SECTIONS

TYPICAL SECTIONS

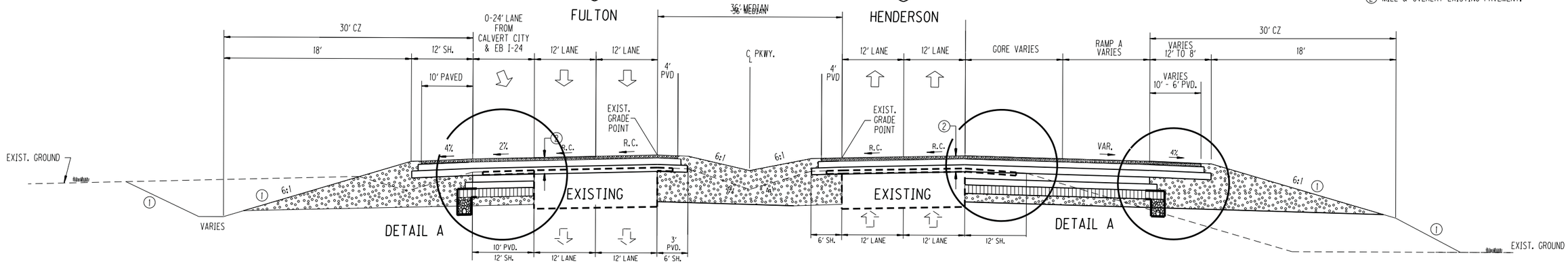
THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2G

RELOCATED I-69

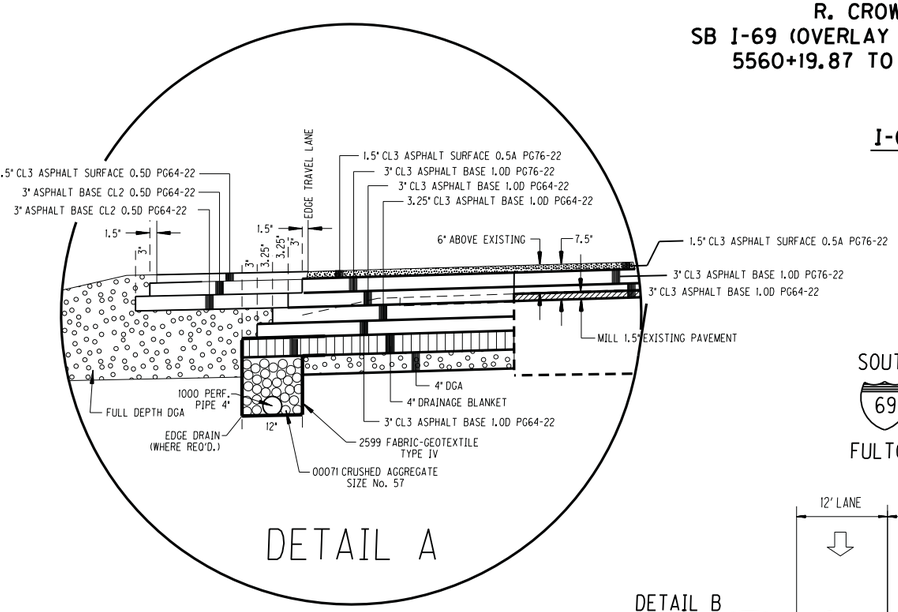
SOUTH 69 FULTON — NORTH 69 HENDERSON

① SEE CROSS SECTIONS FOR SLOPES.
② MILL & OVERLAY EXISTING PAVEMENT.

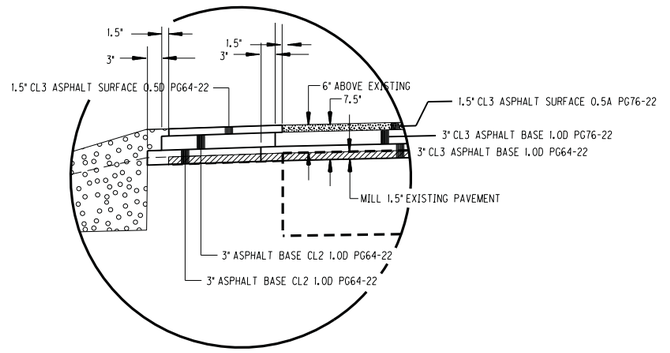


R. CROWN
SB I-69 (OVERLAY & WIDENING)
5560+19.87 TO 5566+43

R. CROWN
NB I-69 (OVERLAY)
1560+22 TO 1566+47 (GORE)



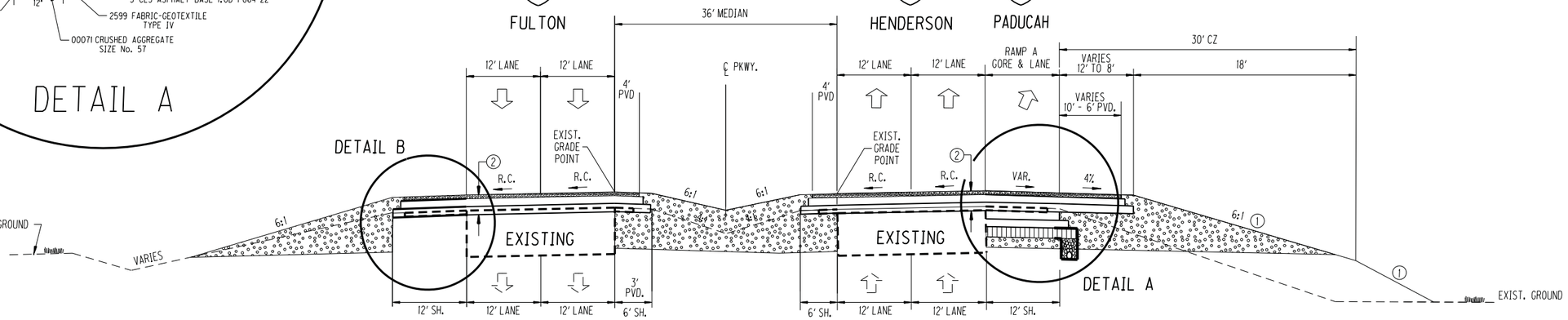
DETAIL A



DETAIL B

I-69 / JULIAN CARROLL (PURCHASE) PKWY.
OVERLAY & WIDENING SECTION

SOUTH 69 FULTON — NORTH 69 HENDERSON — TO WEST 24 PADUCAH



R. CROWN
SB I-69 (OVERLAY & WIDENING)
BEGIN CONST TO 5560+19.87

R. CROWN
NB I-69 (OVERLAY & WIDENING)
BEGIN CONST TO 1560+22

I-69 / JULIAN CARROLL (PURCHASE) PKWY.
OVERLAY & WIDENING SECTION

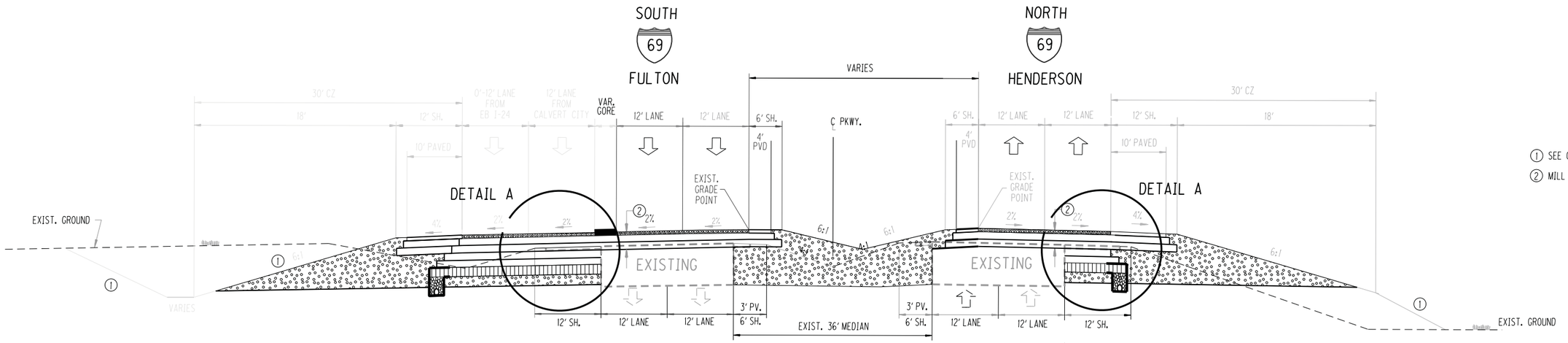
TYPICAL SECTIONS

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

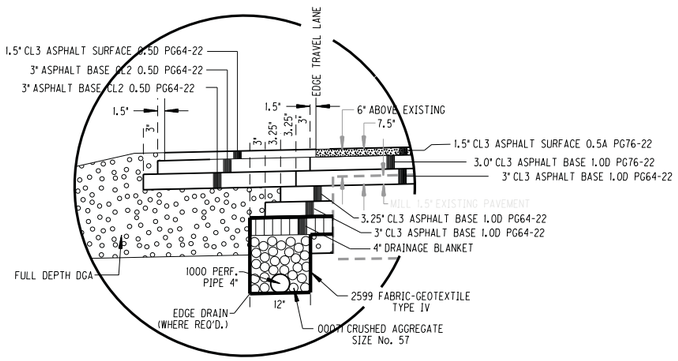
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2H



① SEE CROSS SECTIONS FOR SLOPES.
② MILL & OVERLAY EXISTING PAVEMENT.

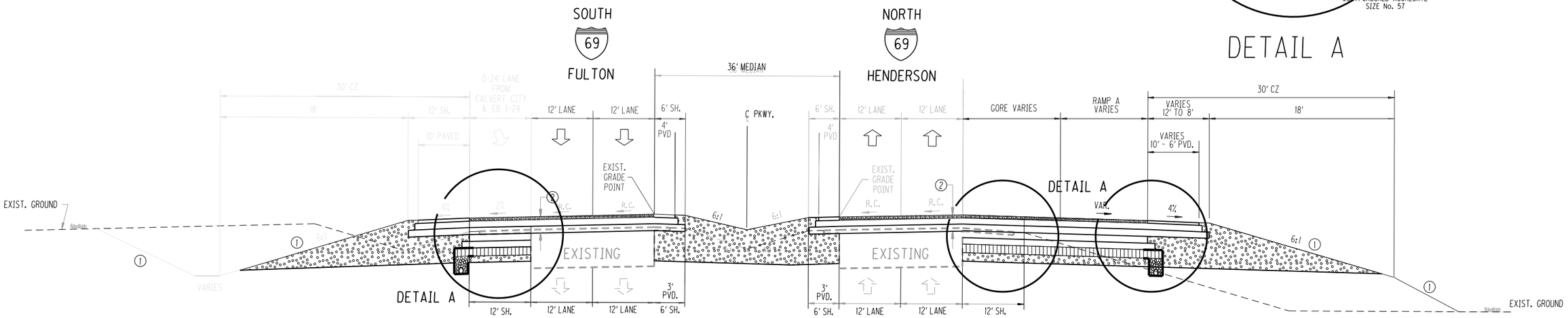
TANGENT SECTION
SB I-69 (OVERLAY)
5571+37 TO 5575+77

TANGENT SECTION
NB I-69 (OVERLAY)
PT 1571+42.69 TO TS 1575+82.55



DETAIL A

I-69 / JULIAN CARROLL (PURCHASE) PKWY.
OVERLAY & WIDENING SECTION



R. CROWN
SB I-69 (OVERLAY & WIDENING)
5566+43 TO 5571+37

R. CROWN
NB I-69 (OVERLAY)
1566+47 (GORE) TO PT 1571+42.69

I-69 / JULIAN CARROLL (PURCHASE) PKWY.
OVERLAY & WIDENING SECTION

TYPICAL SECTIONS

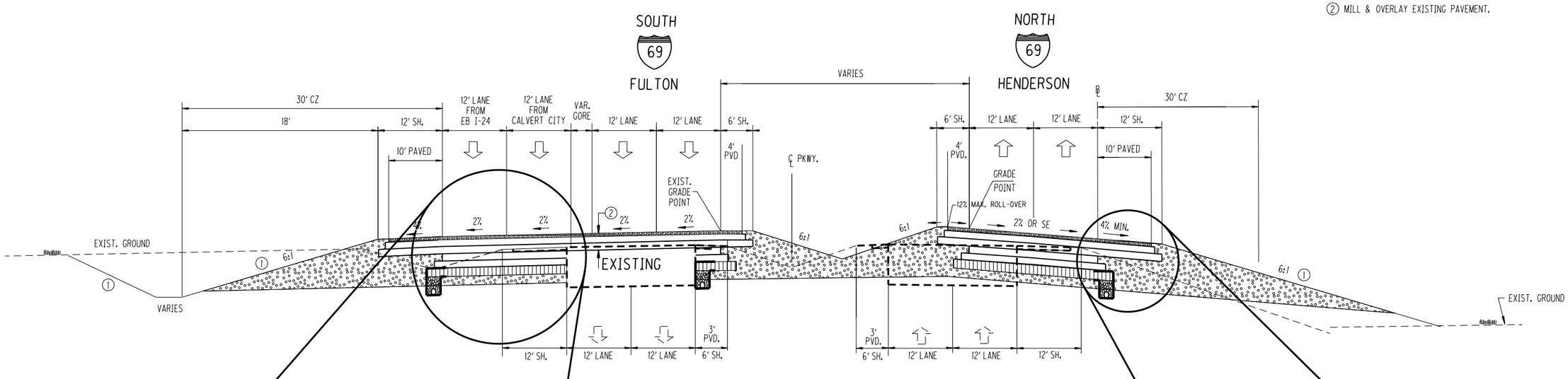
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

TYPICAL SECTIONS

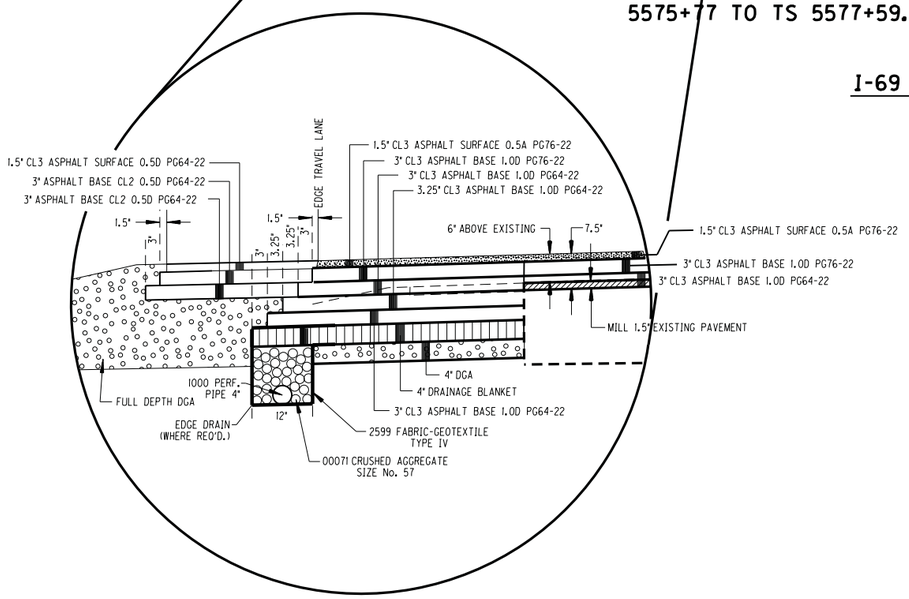
THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R21

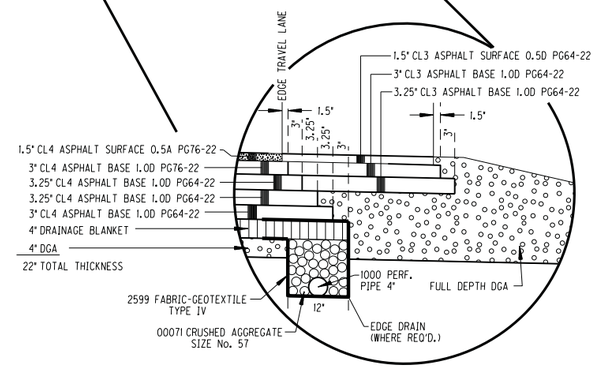
① SEE CROSS SECTIONS FOR SLOPES.
② MILL & OVERLAY EXISTING PAVEMENT.



S.E. SECTION
SB I-69
5575+77 TO TS 5577+59.98



S.E. SECTION
NB I-69
TS 1575+82.55 TO 1577+66



I-69 / JULIAN CARROLL (PURCHASE) PKWY.
OVERLAY & WIDENING SECTION

TYPICAL SECTIONS

MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

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USER: rsullivan
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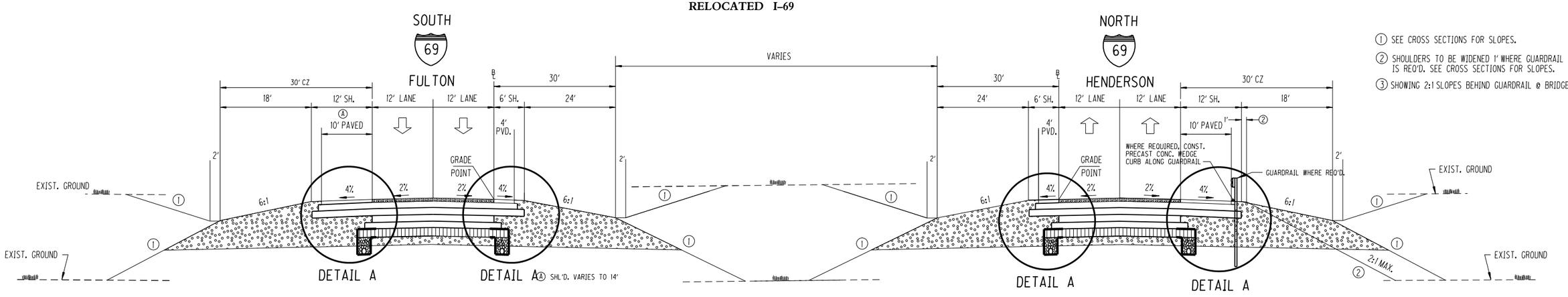
E-SHEET NAME:
MicroStation v8.11.9.459

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2J

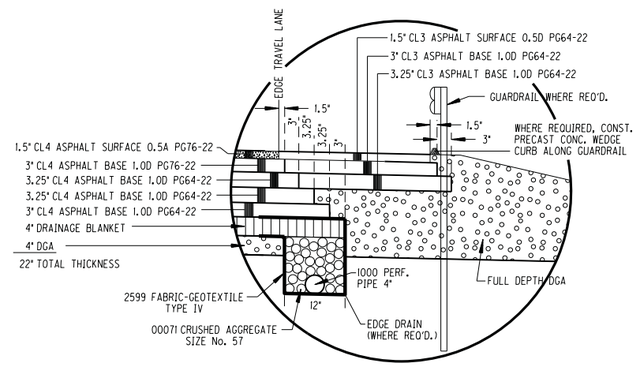
RELOCATED I-69



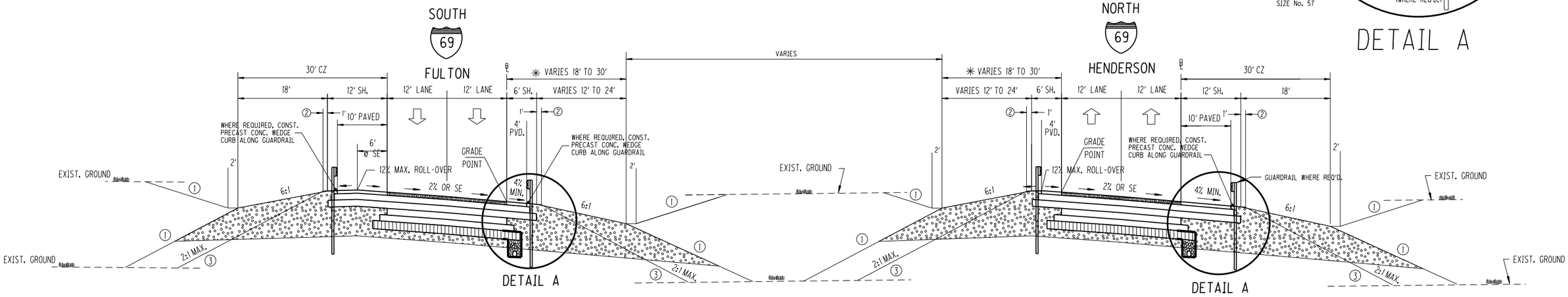
SB I-69
ST 5606+84.17 TO 5610+91

NB I-69
ST 1604+31.20 TO 1616+40 (GORE)

TANGENT SECTION
RELOCATED I-69



DETAIL A



SB I-69
✳ TS 5577+59.98 TO ST 5606+84.17

NB I-69
✳1577+66 TO ST 1604+31.20

SUPERELEVATED SECTION
RELOCATED I-69

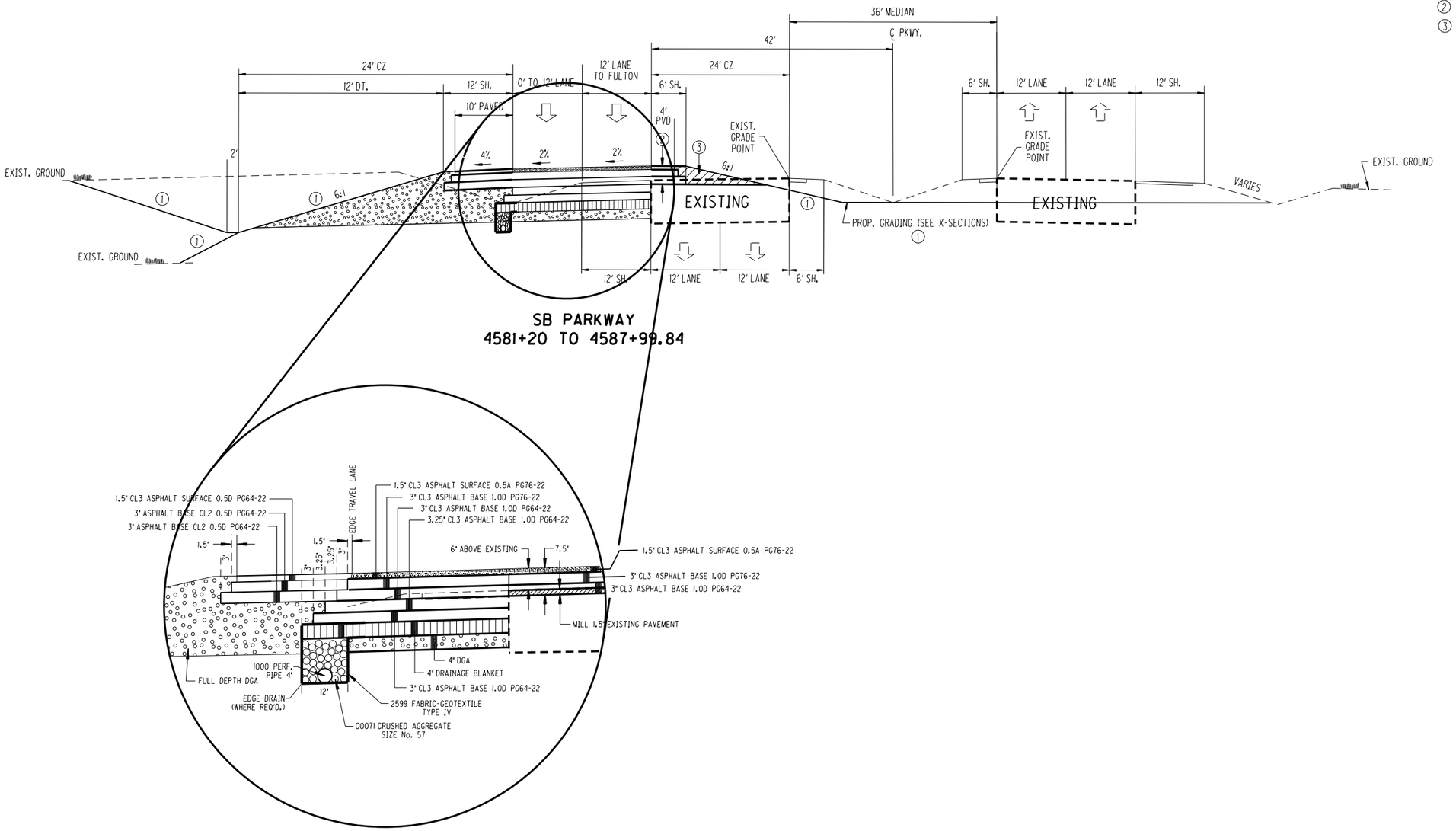
TYPICAL SECTIONS

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2K

① SEE CROSS SECTIONS FOR SLOPES.
② MILL & OVERLAY EXISTING PAVEMENT.
③ MILL & WEDGING



TYPICAL SECTIONS

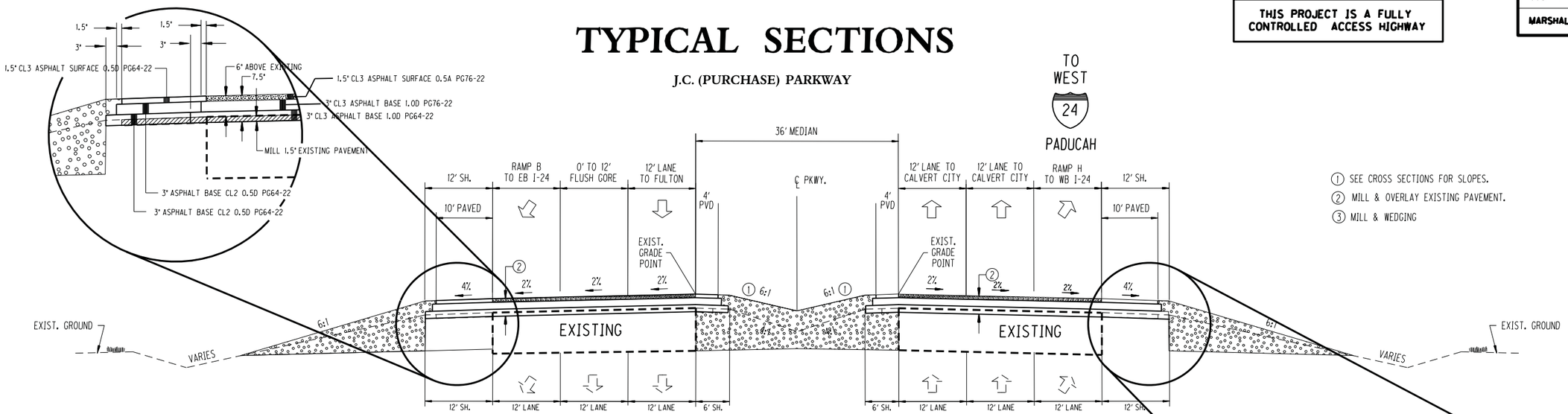
MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2L

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

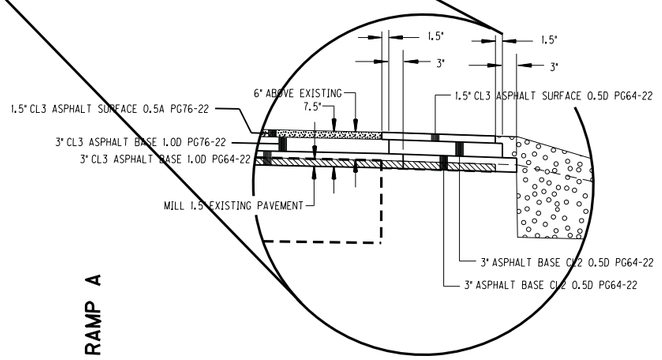
TYPICAL SECTIONS

J.C. (PURCHASE) PARKWAY



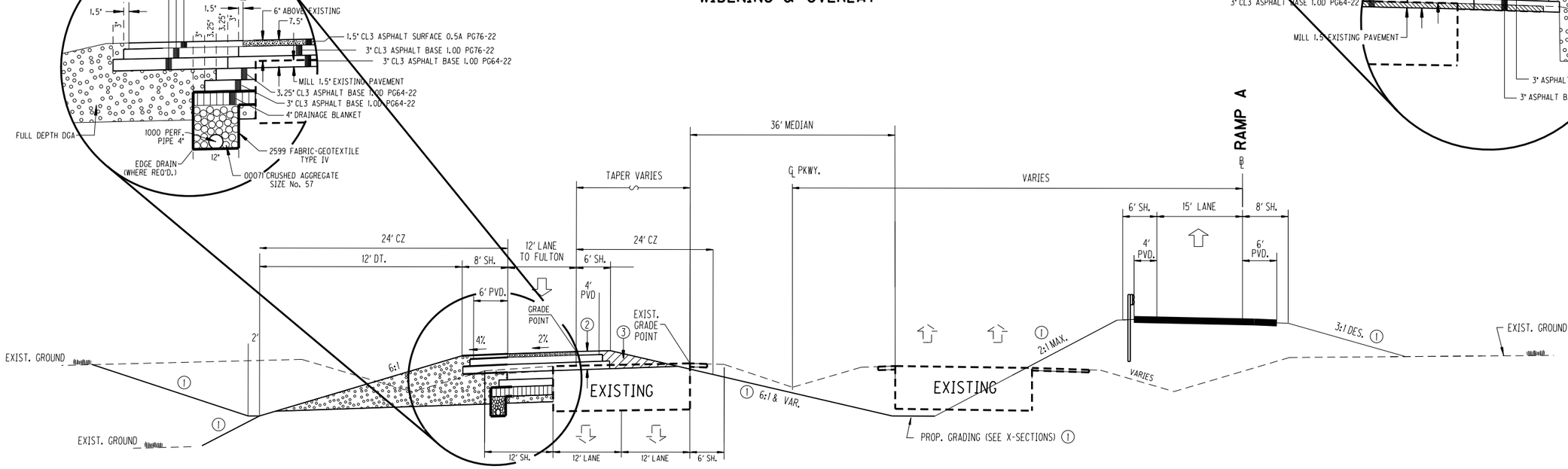
SB PARKWAY
(OVERLAY & RESTRIPING)
46+00.05 TO 4606+44.71

RAMP A 343+23.39
(OVERLAY)



JULIAN CARROLL (PURCHASE) PKWY.

WIDENING & OVERLAY



SB PARKWAY
(WIDENING, OVERLAY, & RESTRIPING)
4587+99.84 TO 46+00.05

JULIAN CARROLL (PURCHASE) PKWY.

WIDENING & OVERLAY

TYPICAL SECTIONS

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

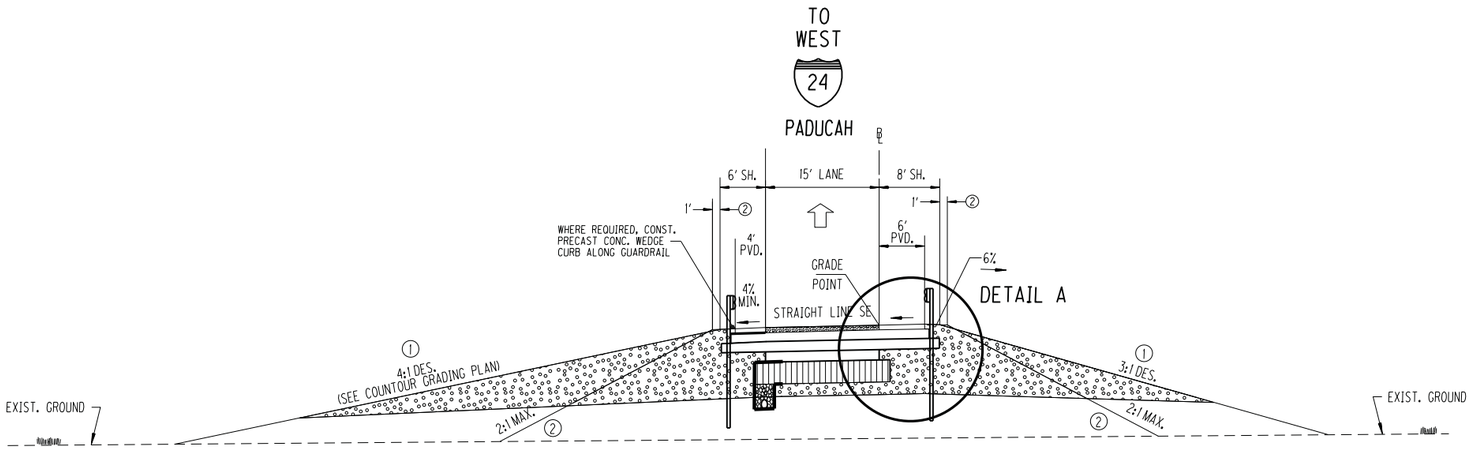
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2M

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TYPICAL SECTIONS

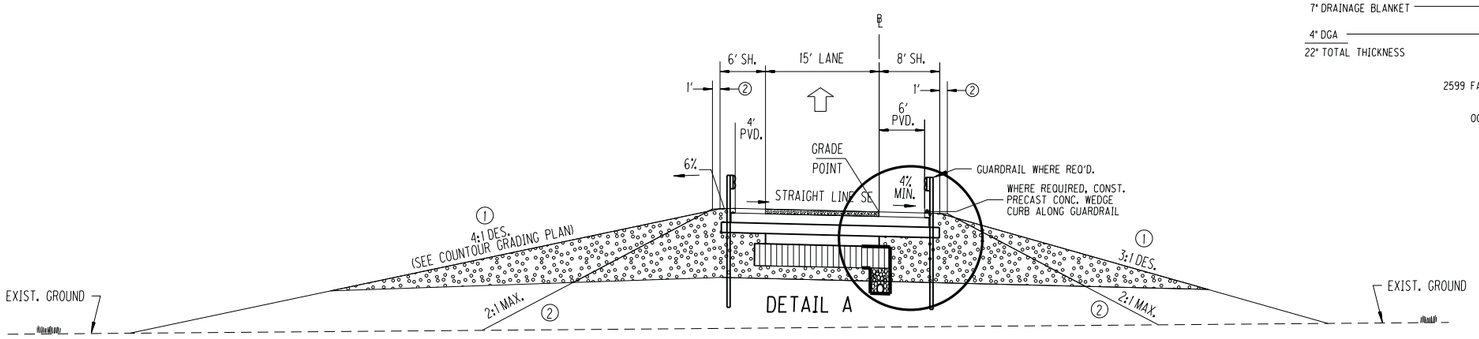
RAMPS

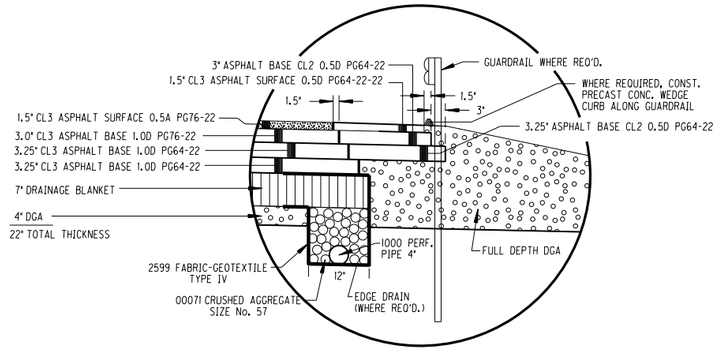
① SEE CROSS SECTIONS FOR SLOPES.
② SHOULDERS TO BE WIDENED 1' WHERE GUARDRAIL IS REQ'D. SEE CROSS SECTIONS FOR SLOPES.



SUPERELEVATED LEFT TYPICAL SECTION

RAMP A





DETAIL A

SUPERELEVATED RIGHT TYPICAL SECTION

RAMP A

TYPICAL SECTIONS

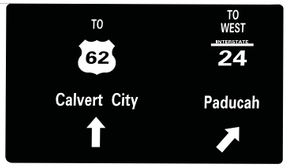
MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2N

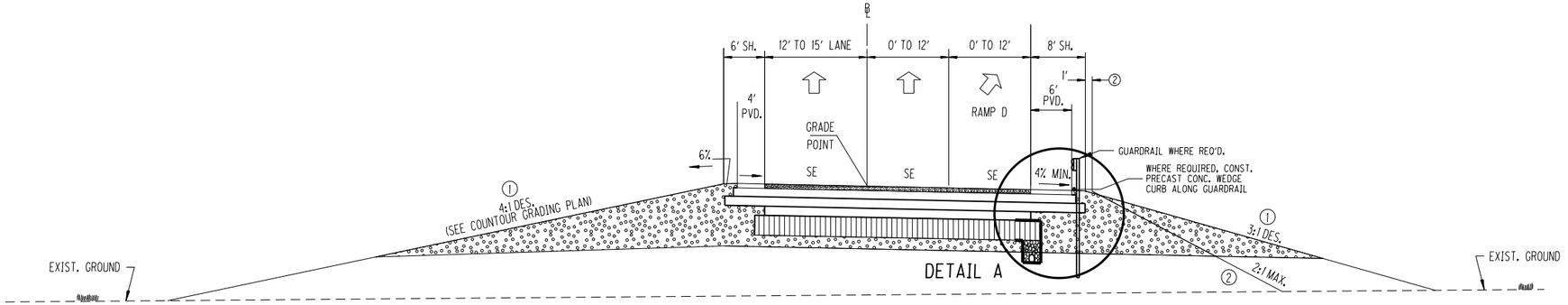
THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TYPICAL SECTIONS

RAMPS

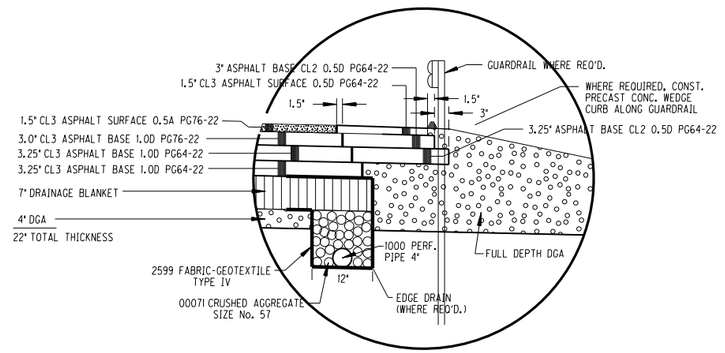


① SEE CROSS SECTIONS FOR SLOPES.
② SHOULDERS TO BE WIDENED 1' WHERE GUARDRAIL IS REQ'D. SEE CROSS SECTIONS FOR SLOPES.

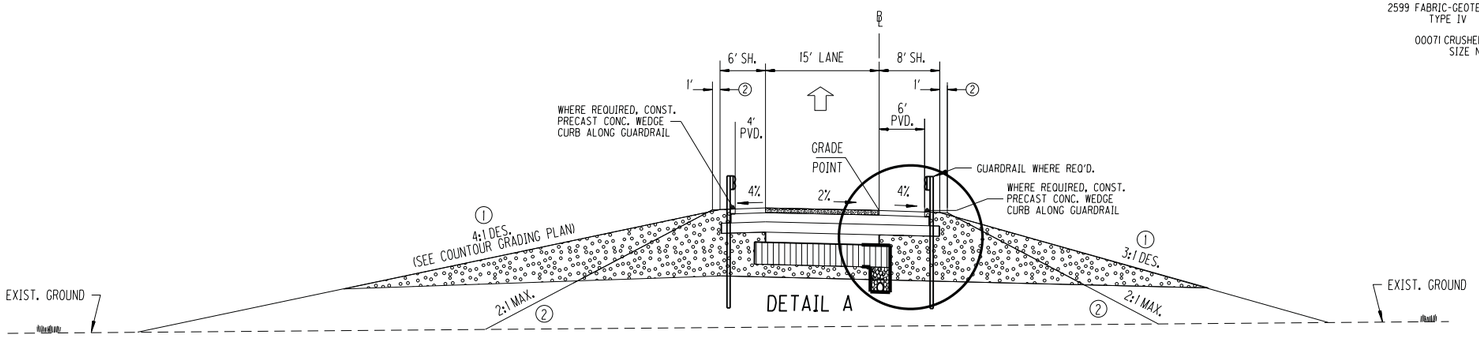


SUPERELEVATED RIGHT TYPICAL SECTION

RAMP A



DETAIL A



TANGENT SECTION

RAMP A

TYPICAL SECTIONS

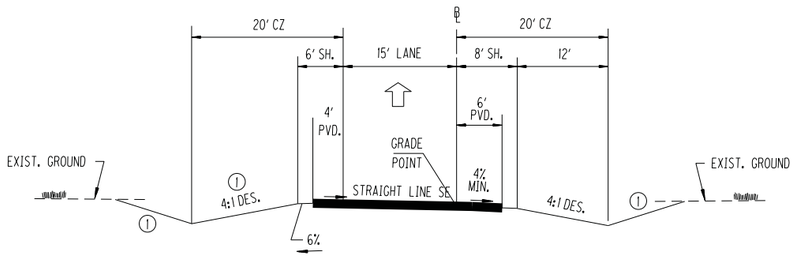
TYPICAL SECTIONS

RAMP G

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R20

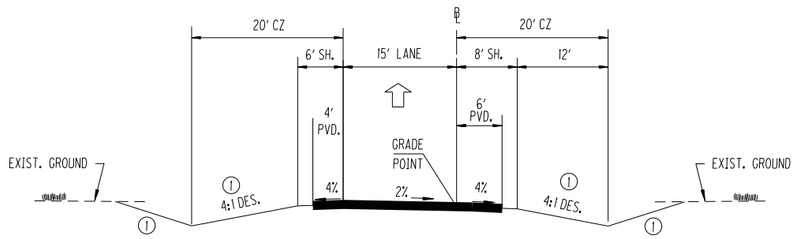
(1) SEE CROSS SECTIONS FOR SLOPES.



SUPERELEVATED RIGHT TYPICAL SECTION

RAMP G

(FULL DEPTH)



TANGENT SECTION

RAMP G

(FULL DEPTH)

TYPICAL SECTIONS

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

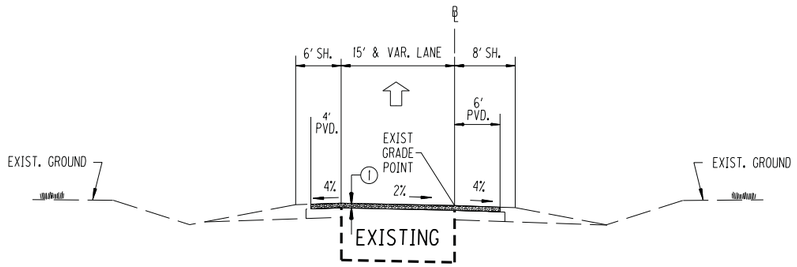
MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2P

TYPICAL SECTIONS

EXISTING RAMP & LOOP OVERLAYS



① MILL & OVERLAY EXISTING PAVEMENT WITH 1.5" CL3 ASPHALT SURFACE 0.5A PG76-22.

EXISTING RAMP & LOOP OVERLAY

SW RAMP @ I-24 / I-69

SW LOOP @ I24 / I-69

NE LOOP @ I-24 / I-69

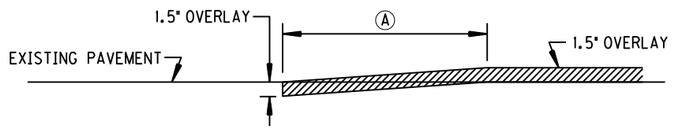
SE LOOP @ I-24 / I-69

RAMP G

US 62 EXIT RAMP

US 62 ENTRANCE RAMP

Ⓐ 70 : 1 I-24 / I-69
50 : 1 RAMPS /LOOPS



EDGE KEY DETAIL

N.T.S.

WORK UNDER THIS ITEM SHALL INCLUDE CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS SHOWN, SO THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR "EDGE KEY" SHALL INCLUDE ALL NECESSARY MATERIALS, LABOR, EQUIPMENT, ETC. TO PERFORM THE WORK AND DISPOSE OF THE ASPHALT MATERIAL REMOVED.

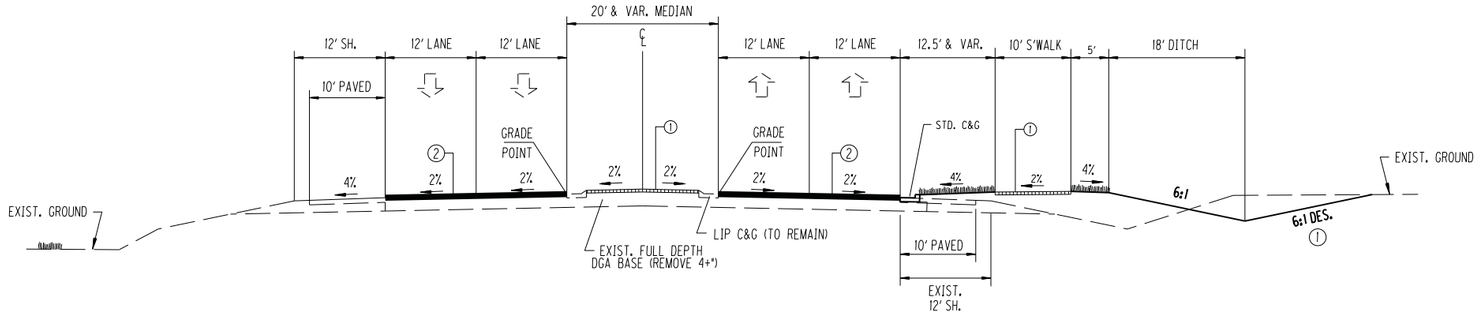
TYPICAL SECTIONS

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

TYPICAL SECTIONS

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R20

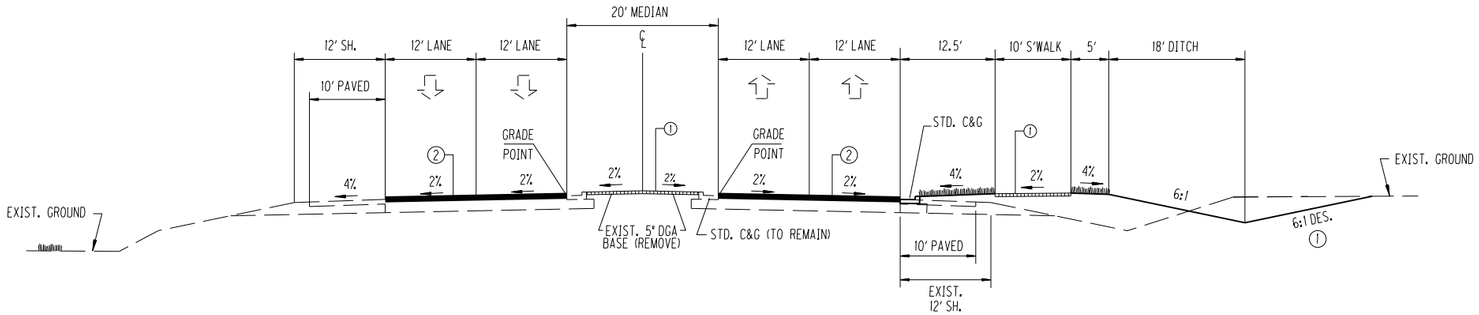


US 62 OVERLAY SECTION

38+10 TO 43+53

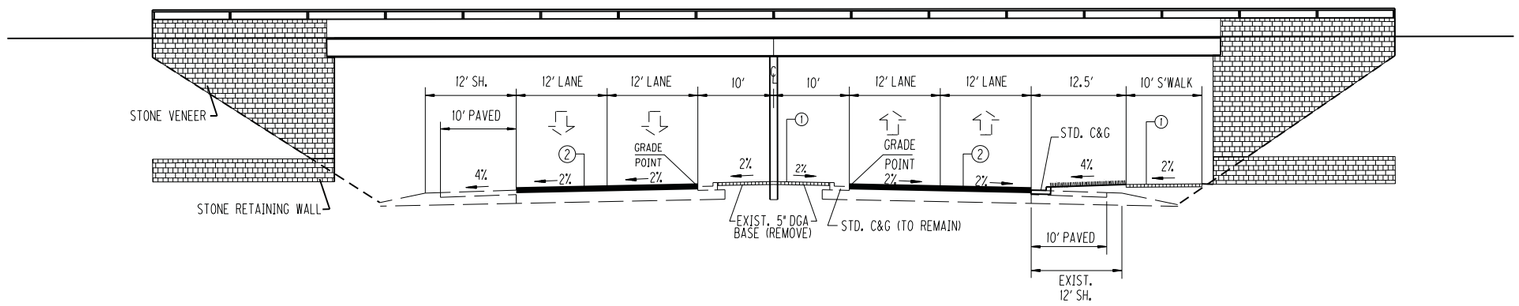
54+34 TO 61+40

① 23379EC - STAMPED CONCRETE 4" DEPTH
② 1.5" MILL & OVERLAY



US 62 OVERLAY SECTION

48+48 TO 51+54



US 62 UNDER I-24 / I-69

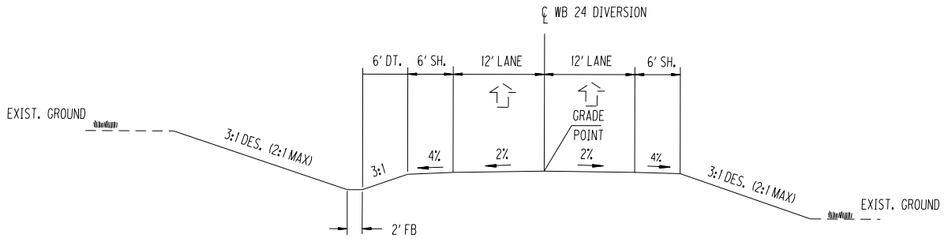
TYPICAL SECTIONS

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2R

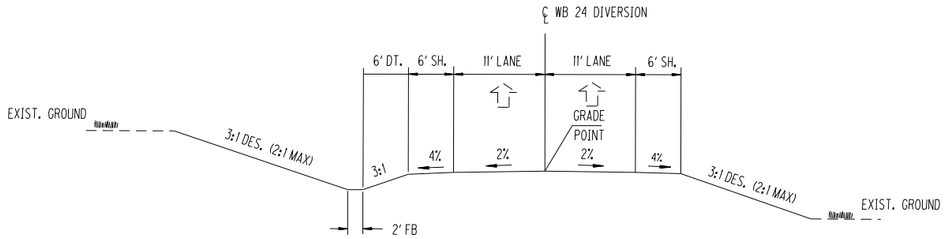
TYPICAL SECTIONS

TEMPORARY DIVERSIONS

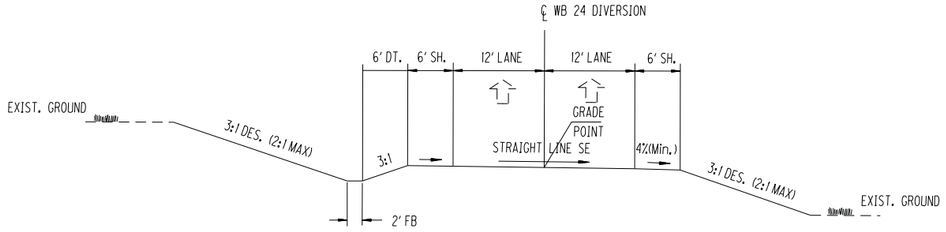
THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY



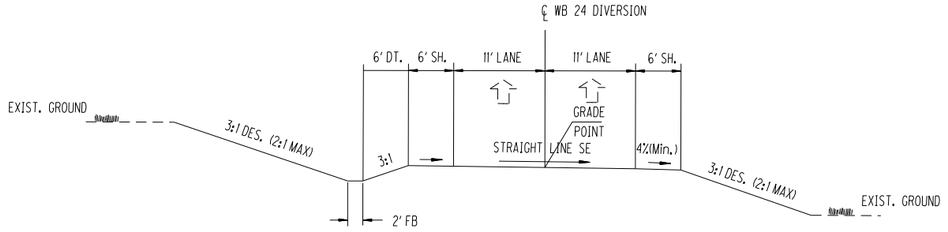
DIVERSION 1
TANGENT SECTION



DIVERSION 2
TANGENT SECTION



DIVERSION 1
S.E. SECTION



DIVERSION 2
S.E. SECTION

TYPICAL SECTIONS

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan | DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

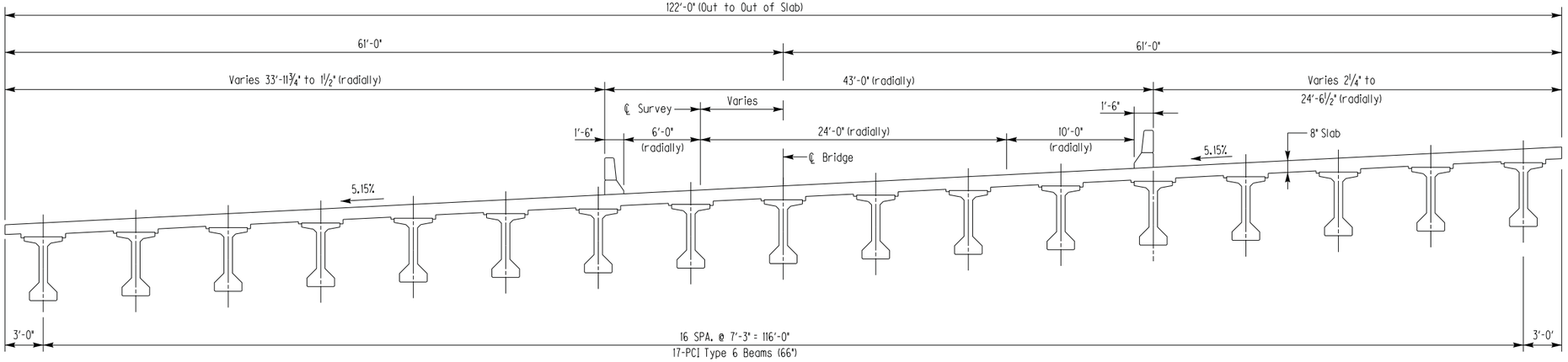
MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\02-TYPICALS CONST.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2S

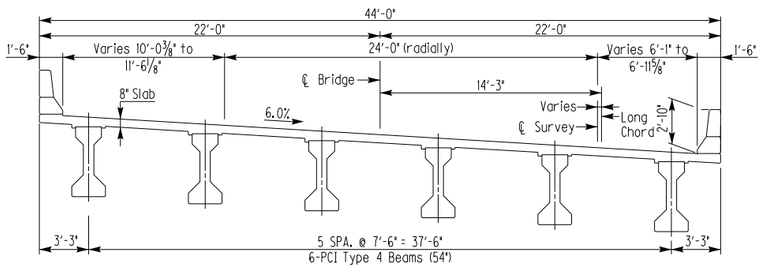
TYPICAL SECTIONS

(FOR INFORMATION ONLY, SEE BRIDGE PLANS)

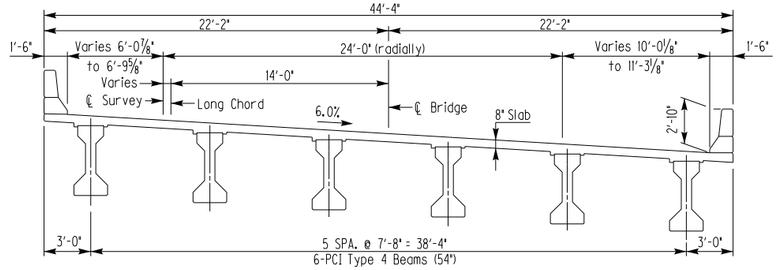
THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY



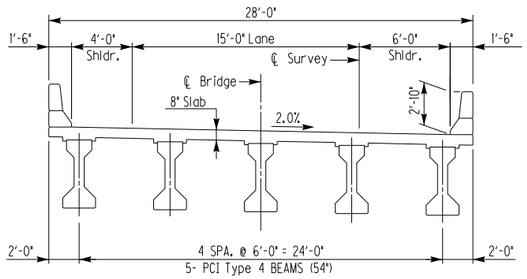
EB I-24



SB I-69



NB I-69



RAMP A

TYPICAL SECTIONS

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2T

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		US 62 INTERCHANGE	PROJECT TOTAL
	ROADWAY				
00021	DRAINAGE BLANKET - EMBANKMENT (1)	CU YD			
00071	CRUSHED AGGREGATE SIZE No. 57 (13)	TONS			
00078	CRUSHED AGGREGATE SIZE No. 2	TONS			
10020NS	FUEL ADJUSTMENT	DOLLAR			
10030NS	ASPHALT ADJUSTMENT	DOLLAR			
1000	PERFORATED PIPE - 4 INCH	LF			
1001	PERFORATED PIPE - 6 INCH	LF			
1005	PERFORATED PIPE EDGE DRAIN- 4 INCH	LF			
1010	NON-PERFORATED PIPE - 4 INCH	LF			
1011	NON-PERFORATED PIPE - 6 INCH	LF			
1015	INSP & CERT EDGE DRAIN SYS	LP SUM			
1020	PERFORATED PIPE HEADWALL TY 1-4 IN	EACH			
1024	PERFORATED PIPE HEADWALL TY 2-4 IN	EACH			
1028	PERFORATED PIPE HEADWALL TY 3-4 IN	EACH			
1032	PERFORATED PIPE HEADWALL TY 4-4 IN	EACH			
1033	PERFORATED PIPE HEADWALL TY 4-6 IN	EACH			
1069?	STEEL ENCASEMENT PIPE - 12 INCH	LF			
1310	REMOVE PIPE	LF			
1456	CURB BOX INLET TYPE A	EACH			
1709	ADJUST CATCH BASIN	EACH			
1719	ADJUST INLET	EACH			
1811	STANDARD CURB AND GUTTER MOD	LF			
1891	ISLAND HEADER CURB TYPE 2	LF			
1982	DELINEATOR FOR GUARDRAIL M / W	EACH			
1983	DELINEATOR FOR GUARDRAIL M / Y	EACH			
1985	DELINEATOR FOR BARRIER - YELLOW	EACH			
1987	DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE	EACH			
2223	GRANULAR EMBANKMENT (1)	CU YD			
20211ES706	BORE AND JACK PIPE	LF			
20410ED	MAINTAIN LIGHTING	LS			
20430ED	SAW CUT	LF			
20432ES112	REMOVE CRASH CUSHION	EACH			
20465EC	CLEAN CULVERT	LS			
2091	REMOVE PAVEMENT	SQ YD			
21447NC	TEMPORARY STREAM CROSSING	LP SUM			
2165	REMOVE PAVED DITCH	SQ YD			
2230	EMBANKMENT IN PLACE (11)	CU YD			
2220	FLOWABLE FILL	CU YD			
2262	FENCE-WOVEN WIRE TYPE 1	LF			
2265	REMOVE FENCE	LF			
22883EN	CONCRETE WEDGE CURB	LF			
23044ES508	CONCRETE MEDIAN BARRIER TYPE 14C(50)	LF			
23131ER701	PIPELINE VIDEO INSPECTION	LF			
23143ED	KPDES PERMIT & TEMPORARY EROSION CONTROL (15)	LS			
23315EC	DECORATIVE FENCE	LF			
23379EC	STAMPED CONCRETE (10)	SQ YD			
2351	GUARDRAIL STEEL W BEAM S FACE	LF			
2360	GUARDRAIL TERMINAL SECTION No. 1	EACH			
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH			
2367	GUARDRAIL END TREATMENT TYPE 1	EACH			
23721NN	LANDSCAPING (7)	LS			
	ITEMS FOR BRIDGE END DRAINAGE				
	ITEMS FOR DRAINAGE ALONG WEDGE CURB				
2381	REMOVE GUARDRAIL	LF			
24035EC	CONC. MEDIAN BARRIER END FOR CRASH CUSHION TY IX	EACH			
2429	RIGHT OF WAY MONUMENT TYPE 1	EACH			
2432	WITNESS POST	EACH			
24681EC	CONSTRUCT DECORATIVE WALL	LS			

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		US 62 INTERCHANGE	PROJECT TOTAL
2483	CHANNEL LINING CLASS II (3)	TON			
2484	CHANNEL LINING CLASS III	TON			
2545	CLEARING AND GRUBBING (4)	LP SUM			
2565	OBJECT MARKER TY 2	EACH			
2567	DELINEATOR POSTS	EACH			
2568	MOBILIZATION	LP SUM			
2569	DEMOBILIZATION	LP SUM			
2585	EDGE KEY	LF			
2596	FABRIC-GEOTEXTILE TYPE I	SQ YD			
2599	FABRIC-GEOTEXTILE TYPE IV (2)	SQ YD			
2625	REMOVE HEADWALL	EACH			
2692	SETTLEMENT PLATFORM	EACH			
2726	STAKING	LP SUM			
2731?	REMOVE STRUCTURE (5)	LP SUM			
2929	CRASH CUSHION TYPE IX	EACH			
30314ED	MILLED RUMBLE STRIPS	LF			
3287	SIDEWALK RAMP TYPE 1	EACH			
3289	SIDEWALK RAMP TYPE 3	EACH			
4940	REMOVE LIGHTING (14)	LP SUM			
8004	STONE MASONRY VENEER (8)	SQ FT			
8100	CONCRETE - CLASS A	CU YD			
8150	STEEL REINFORCEMENT (13)	LB			

NOTES

GENERAL SUMMARY

FILE NAME: GENERAL SUMMARY & GENERAL NOTES.DGN
USER: Karider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2U

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		US 62 INTERCHANGE	PROJECT TOTAL
	MAINTENANCE OF TRAFFIC				
02014	BARRICADE TYPE III	EACH			
02651	DIVERSIONS (DIVERSION No. 1)	LS			
02651	DIVERSIONS (DIVERSION No. 2)	LS			
03171	CONC. BARRIER WALL 9T	LF			
20166ES810	TEMPORARY PIPE	LF			
20738NS112	TEMP CRASH CUSHION	EACH			
21669NN	POLICE OFFICER WITH VEHICLE (1)	HOUR			
2397	TEMPORARY GUARDRAIL	LF			
~~24787EN~~	~~SHEET PILING~~	~~SQ FT~~			
2562	SIGNS (2)	SQ FT			
2650	MAINTAIN AND CONTROL TRAFFIC (3)	LP SUM			
2653	LANE CLOSURE	EACH			
2671	PORTABLE CHANGEABLE MESSAGE SIGN (4)	EACH			
2775	ARROW PANEL (5)	EACH			
6510	PAVE STRIPING - TEMP PAINT - 4 IN	LF			
6511	PAVE STRIPING - TEMP PAINT - 6 IN	LF			
6550	PAVE STRIPING - TEMP REMOVABLE TAPE - 6 IN W	LF			
6551	PAVE STRIPING - TEMP REMOVABLE TAPE - 6 IN Y	LF			
	EROSION CONTROL				
2701	TEMP SILT FENCE	LF			
2703	SILT TRAP TYPE A	EACH			
2704	SILT TRAP TYPE B	EACH			
2705	SILT TRAP TYPE C	EACH			
2706	CLEAN SILT TRAP TYPE A	EACH			
2707	CLEAN SILT TRAP TYPE B	EACH			
2708	CLEAN SILT TRAP TYPE C	EACH			
2709	CLEAN SILT FENCE	LF			
	TOPSOIL FURNISHED AND PLACED	CU YD			
	TOPSOILING - 4IN THICK OBTAINED ON SITE	SQ YD			
5950	EROSION CONTROL BLANKET	SQ YD			
5952	TEMPORARY MULCH	SQ YD			
5953	TEMP SEEDING AND PROTECTION	SQ YD			
5963	INITIAL FERTILIZER	TON			
5964	20-10-10 FERTILIZER	TON			
5985	SEEDING AND PROTECTION	SQ YD			
5992	AGRICULTURAL LIMESTONE	TON			
	STRIPING PLANS				
24489EC	INLAID PAVEMENT MARKER	EACH			
6514	PAVE STRIPING PERM PAINT - 4 IN	LF			
6515	PAVE STRIPING PERM PAINT - 6 IN	LF			
~~6566~~	~~PAVE MARKING-THERMO X-WALK-12 IN~~	~~LF~~			
6567	PAVE MARKING - THERMO STOP BAR - 12 IN	LF			
6574	PAVE MARKING - THERMO CURV ARROW	EACH			
6591	PAVEMENT MARKER TYPE V-B Y	EACH			
6592	PAVEMENT MARKER TYPE V-B W/R	EACH			
6593	PAVEMENT MARKER TYPE V-B Y/R	EACH			
24679ED	PAVEMENT MARKING - THERMO CHEVRON	SQFT			
2696	SHOULDER RUMBLE STRIPS - SAWED	LF			

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		US 62 INTERCHANGE	PROJECT TOTAL
	ROADWAY LIGHTING				
4940	REMOVE LIGHTING (6)	LP SUM			
XX					
XX					
XX					
XX					
XX					
XX					
XX					
XX					
XX					
XX					
	SIGNING				
20419ND	ROADWAY CROSS SECTION (6)	EACH			
21373ND	REMOVE SIGN (7)	EACH			
21596ND	GMSS TYPE D (8)	EACH			
23639ED	REMOVE SIGN BRIDGE MOUNT ATTACHMENT	EACH			
24631EC	BARCODE SIGN INVENTORY	EACH			
6400	GMSS GALVANIZED STEEL TYPE A (9)	LB			
6401	FLEXIBLE DELINEATOR POST - M/W	EACH			
6404	FLEXIBLE DELINEATOR POST - M/Y	EACH			
6405	SBM ALUM PANEL SIGNS (10)	SQ FT			
6406	SBM ALUM SHEET SIGNS .080 IN.	SQ FT			
6407	SBM ALUM SHEET SIGNS .125 IN.	SQ FT			
6410	STEEL POST TY 1 (11)	LF			
6411	STEEL POST TY 2 (11)	LF			
6441	GMSS GALVANIZED STEEL TYPE C (9)	LB			
6449	REMOVE OVERHEAD SIGN SUPPORT STRUCTURE	EACH			
6450	REMOVE OVERHEAD STRUC CONC BASE	EACH			
6451	REMOVE SIGN SUPPORT BEAM (12)	EACH			
6490	CLASS A CONCRETE FOR SIGN SUPPORTS	CU YD			
6491	STEEL REINFORCEMENT FOR SIGN SUPPORTS	LB			

NOTES

GENERAL SUMMARY

FILE NAME: GENERAL SUMMARY & GENERAL NOTES.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.678

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2V

PAVING AREAS

	ITEM	INTERSTATE				I-24 / I-69 INTERCHANGE								US 62 INTERCHANGE							MOT			PROJECT TOTAL
		EB I-24	WB I-24	NB I-69	SB I-69	RAMP A	RAMP G	SB PKWY	NB PKWY	SW PKWY RAMP	SW PKWY LOOP	NE PKWY LOOP	SE PKWY LOOP	US 62	EXIT RAMP	ENTRANCE RAMP	NE RAMP	NW RAMP			DIVERSION No. 1	DIVERSION No. 2		
		SQUARE YARDS																						
1	4" DENSE GRADED AGGREGATE																							
1	FULL DEPTH DENSE GRADED AGGREGATE (SHOULDERS)																							
18	4" DRAINAGE BLANKET - TYPE II - ASPHALT																							
18	7" DRAINAGE BLANKET - TYPE II - ASPHALT																							
100	ASPHALT SEAL AGGREGATE																							
103	ASPHALT SEAL COAT																							
194	LEVELING AND WEDGING PG76-22																							
212	CL2 ASPH BASE 1.00D PG64-22																							
214	3 1/4" CL3 ASPH BASE 1.00D PG64.22																							
214	3" CL3 ASPH BASE 1.00D PG64.22																							
214	4 1/2" CL3 ASPH BASE 1.00D PG64.22																							
217	3" CL4 ASPH BASE 1.0D PG64-22																							
217	3 1/4" CL4 ASPH BASE 1.0D PG64-22																							
228	2 1/4" CL4 ASPH BASE 0.75D PG76-22																							
228	3" CL4 ASPH BASE 1.0D PG76-22																							
228	4 1/2" CL4 ASPH BASE 1.0D PG76-22																							
312	1 1/2" CL3 ASPH SURF 0.50D PG64-22 (SHOULDERS)																							
335	1 1/2" CL4 ASPH SURF 0.50A PG76-22																							
339	CL3 ASPH SURF 0.38D PG64-22																							

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INTERSTATE				I-24 / I-69 INTERCHANGE								US 62 INTERCHANGE							MOT			PROJECT TOTAL
			EB I-24	WB I-24	NB I-69	SB I-69	RAMP A	RAMP G	SB PKWY	NB PKWY	SW PKWY RAMP	SW PKWY LOOP	NE PKWY LOOP	SE PKWY LOOP	US 62	NE RAMP	NW RAMP	NE RAMP	NW RAMP			DIVERSION No. 1	DIVERSION No. 2		
1	DENSE GRADED AGGREGATE (1)	TON																							
18	DRAINAGE BLANKET - TYPE II - ASPHALT																								
100	ASPHALT SEAL AGGREGATE (2)	TON																							
103	ASPHALT SEAL COAT (3)	TON																							
194	LEVELING AND WEDGING PG76-22 (4)	TON																							
212	CL2 ASPH BASE 1.00D PG64-22	TON																							
214	CL3 ASPH BASE 1.00D PG64-22	TON																							
217	CL4 ASPH BASE 1.0D PG64-22																								
228	CL4 ASPH BASE 0.75D PG76-22 (6)	TON																							
312	CL3 ASPH SURF 0.50D PG64-22 (6)	TON																							
335	CL4 ASPH SURF 0.50A PG76-22 (6)	TON																							
339	CL3 ASPH SURF 0.38D PG64-22	TON																							
20071EC	JOINT ADHESIVE	LF																							
2107	BREAKING AND SEATING PAVEMENT	SQ YD																							
2535	CALCIUM CHLORIDE	TON																							
2676	MOBILIZATION FOR MILLING & TEXTURING	LS																							
2677	ASPHALT PAVE MILLING & TEXTURING (5)	TON																							

NOTE, ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. / PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

(1) ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH

(2) ESTIMATED AT 20 LBS. / S.Y. FOR ENTIRE AREA (ONE APPLICATION) AREA DOUBLED FOR 2 APPLICATIONS.

(3) ESTIMATED AT 2.4 LBS. / S.Y. FOR ENTIRE AREA (ONE APPLICATION) AREA DOUBLED FOR 2 APPLICATIONS.

(4) TO BE USED AS DIRECTED BY THE ENGINEER.

(5) XXXX TONS ADDED FOR IRREGULARITIES.

(6) FOR OVERLAYS ON I-24 & I-69.

PAVING SUMMARY

FILE NAME: GENERAL SUMMARY & GENERAL NOTES.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
NOTES.DGN
MicroStation v8.11.9.578

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\GENERAL SUMMARY & GENERAL NOTES.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SUMMARY 1 OF 2

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2W

SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	CULVERT PIPE 15 INCH	CULVERT PIPE 18 INCH	CULVERT PIPE 24 INCH	CULVERT PIPE 30 INCH	CULVERT PIPE 36 INCH	CULVERT PIPE 48 INCH	CULVERT PIPE 60 INCH	STORM SEWER PIPE 15 INCH	STORM SEWER PIPE 24 INCH	PIPE CULVERT HEADWALL 15 INCH	PIPE CULVERT HEADWALL 18 INCH	PIPE CULVERT HEADWALL 24 INCH	PIPE CULVERT HEADWALL 30 INCH	PIPE CULVERT HEADWALL 36 INCH	PIPE CULVERT HEADWALL 48 INCH	PIPE CULVERT HEADWALL 60 INCH	REMOVE PIPE	S & F BOX INLET-OUTLET 24 INCH	REMARKS
ITEM CODE					461	462	464	466	468	470	472	521	524	1202	1204	1208	1210	1212	1216	1220	1310	1451	
UNIT TO BID			LF		LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	EACH	
	WB I-24																						
	2569+99	0°	9.5	MEDIUM																			
	2590+48	19° RT	37.3	MEDIUM																			
	2597+60	21° LT	25.3	MEDIUM																			
	EB I-24																						
	3590+48	0°	3.0	MEDIUM																			
	3592+50	0°	3.3	MEDIUM																			
	3594+98	0°	4.2	MEDIUM																			
	3609+75	0°	4.6	MEDIUM																			
	3611+00	0°	4.9	MEDIUM																			
	3613+73	0°	8.6	MEDIUM																			
	3616+50	0°	7.7	MEDIUM																			
	3618+00	0°	8.0	MEDIUM																			
	3621+00	0°	6.2	MEDIUM																			
	3622+00	0°	5.2	MEDIUM																			
	NB I-69																						
	1570+01	0°	7.8	MEDIUM																			
	1573+01	0°	7.0	MEDIUM																			
	1580+50	0°	7.4	MEDIUM																			
	1586+40	23° RT	14.0	MEDIUM																			
	SB I-69																						
	5562+96	0°	6.1	MEDIUM																			
	5587+00	0°	8.9	MEDIUM																			
	5588+50	0°	5.4	MEDIUM																			
	5591+27	0°	14.7	MEDIUM																			
	5601+00	0°	14.3	MEDIUM																			
	5607+50	0°	15.4	MEDIUM																			
	5609+25	0°	32.9	MEDIUM																			
	5609+85	0°	8.4	MEDIUM																			
	5611+00	0°	6.7	MEDIUM																			
	5611+85	0°	17.3	MEDIUM																			
	5612+75	0°	3.3	MEDIUM																			
	5613+85	0°	32.8	MEDIUM																			
	5615+85	0°	15.8	MEDIUM																			
	5617+85	0°	7.9	MEDIUM																			
	5619+50	0°	3.3	MEDIUM																			
	5631+97	5° RT	12.5	MEDIUM																			
	5637+29	28° RT	19.5	MEDIUM																			
	RAMP A																						
	338+24	2° RT	12.1	MEDIUM																			
	SB JULIAN CARROLL PKWY																						
	4584+00	0°	10.9	MEDIUM																			
	4585+20	0°	12.7	MEDIUM																			
TOTAL PROJECT																							

NOTE: ALL EXISTING PIPES SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. CLEANING IS INCIDENTAL TO CONSTRUCTION.

(1) CARRIED FORWARD TO THE GENERAL SUMMARY

(1)

PIPE DRAINAGE SUMMARY

PIPE DRAINAGE SUMMARY 2 OF 2

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2x

SHEET NO.		SKEW	COVER HEIGHT	DESIGN pH LEVEL	S & F BOX INLET-OUTLET 30 INCH	DROP BOX INLET TYPE 1	DROP BOX INLET TYPE 5B	DROP BOX INLET TYPE 5D	DROP BOX INLET TYPE 5F	CONCRETE MEDIAN BARRIER BOX INLET TYPE 14B2	CONCRETE MEDIAN BARRIER BOX INLET TYPE 14B1	MANHOLE TYPE C	FABRIC - GEOTEXTILE TY IV FOR PIPE										REMARKS
ITEM CODE					1452	1490	1505	1511	1517	1615	1616	1767	2600										
UNIT TO BID			LF		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQYD										
	WB I-24																						
	2569+99	0°	9.5	MEDIUM																			
	2590+48	19° RT	37.3	MEDIUM																			
	2597+60	21° LT	25.3	MEDIUM																			
	EB I-24																						
	3590+48	0°	3.0	MEDIUM																			
	3592+50	0°	3.3	MEDIUM																			
	3594+98	0°	4.2	MEDIUM																			
	3609+75	0°	4.6	MEDIUM																			
	3611+00	0°	4.9	MEDIUM																			
	3613+73	0°	8.6	MEDIUM																			
	3616+50	0°	7.7	MEDIUM																			
	3618+00	0°	8.0	MEDIUM																			
	3621+00	0°	6.2	MEDIUM																			
	3622+00	0°	5.2	MEDIUM																			
	NB I-69																						
	1570+01	0°	7.8	MEDIUM																			
	1573+01	0°	7.0	MEDIUM																			
	1580+50	0°	7.4	MEDIUM																			
	1586+40	23° RT	14.0	MEDIUM																			
	SB I-69																						
	5562+96	0°	6.1	MEDIUM																			
	5587+00	0°	8.9	MEDIUM																			
	5588+50	0°	5.4	MEDIUM																			
	5591+27	0°	14.7	MEDIUM																			
	5601+00	0°	14.3	MEDIUM																			
	5607+50	0°	15.4	MEDIUM																			
	5609+25	0°	32.9	MEDIUM																			
	5609+85	0°	8.4	MEDIUM																			
	5611+00	0°	6.7	MEDIUM																			
	5611+85	0°	17.3	MEDIUM																			
	5612+75	0°	3.3	MEDIUM																			
	5613+85	0°	32.8	MEDIUM																			
	5615+85	0°	15.8	MEDIUM																			
	5617+85	0°	7.9	MEDIUM																			
	5619+50	0°	3.3	MEDIUM																			
	5631+97	5° RT	12.5	MEDIUM																			
	5637+29	28° RT	19.5	MEDIUM																			
	RAMP A																						
	338+24	2° RT	12.1	MEDIUM																			
	SB JULIAN CARROLL PKWY																						
	4584+00	0°	10.9	MEDIUM																			
	4585+20	0°	12.7	MEDIUM																			
	US 62 STORM SEWER																						
TOTAL PROJECT																							

NOTE: ALL EXISTING PIPES SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. CLEANING IS INCIDENTAL TO CONSTRUCTION.

PIPE DRAINAGE SUMMARY

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\GENERAL SUMMARY & GENERAL
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2Y

PERFORATED PIPE DRAINAGE SUMMARY

	MILEPOST OR STATIONS	CRUSHED AGGREGATE SIZE NO. 2	PERFORATED PIPE 4 IN.	PERFORATED PIPE 6 IN.	PERFORATED PIPE EDGE DRAIN 4 IN.	NON – PERF. PIPE 4 IN.	NON – PERF. PIPE 6 IN.	PERF. PIPE HDWL. TY 1 4 IN.	PERF. PIPE HDWL. TY 2 4 IN.	PERF. PIPE HDWL. TY 3 4 IN.	PERF. PIPE HDWL. TY 4 4 IN.	PERF. PIPE HDWL. TY 6 4 IN.	REMARKS
	ITEM CODE	00078	01000	01001	01005	01010	01011	01020	01024	01028	01032	01033	
	UNIT TO BID ON	TONS	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH	
	I-69 NB STA. 1579+85 - STA 1581+50												
	I-69 NB STA. 1581+50												
	I-24 EB STA. 3579+50 - STA. 3581+00												
	I-24 EB STA. 3581+00												
	I-24 EB STA. 3601+35 - STA. 3603+85												
	I-24 EB STA. 3601+35												
	I-69 SB STA. 5584+25 - STA 5586+00												
	I-69 SB STA. 5586+00												
	I-69 SB STA. 5609+85 - STA 5613+45												
	MEDIAN I-24 (EB I-24 3609+70 - 3622+05)												
	XX												
	① GRAND TOTAL												

① CARRIED FORWARD TO THE GENERAL SUMMARY

PERFORATED PIPE DRAINAGE SUMMARY

FILE NAME: GENERAL SUMMARY & GENERAL NOTES.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
NOTES.DGN MicroStation v8.11.9.578

BRIDGE AND CULVERT SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2Z

SHEET NO.	STATION	SIZE	SKEW	
UNIT TO BID ON				

BRIDGE AND CULVERT SUMMARY

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\GENERAL SUMMARY & GENERAL NOTES.DGN
USER: krider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R2 ZAA

① GUARDRAIL SUMMARY

ROADWAY	PROTECTION NEED	LOCATION	STATION TO STATION	STEEL "W" BEAM GUARDRAIL				GUARDRAIL END TREATMENT				TERM. SECT. NO. 1	BRIDGE END CONN. TY. A	CRASH CUSHION TYPE IX	DELINEATORS		CONC. WEDGE CURB	ADJUST GUARD RAIL	REMARKS
				SF	DF	SFA	SFB	1	2	3	4				MONO YELLOW	MONO WHITE			
				LINEAR FEET				EACH				EACH			EACH		LINEAR FEET		
EB I-24	BRIDGE END	RT	3586+90 TO 3588+52.50	137.50															
WB I-24	FILL SLOPES	LT.	2562+00 TO 2565+00	275.00															
NB I-69	BRIDGE END	RT	1586+06.50 TO 1589+44	262.50															
NB I-69	BRIDGE END	LT	1586+60.50 TO 1589+23	187.50															
NB I-69 / EB I-24	FILL SLOPES	RT	1603+81.25 NB 69 TO 3600+02.86 EB 24	1850.00															
SB I-69	BRIDGE END	LT	5588+36 TO 5590+73.50	162.50															
SB I-69	BRIDGE END	RT	5588+59 TO 5591+15.25	181.25															
RAMP A	SLOPES & BR. END	LT	312+97 TO 328+47	1475.00															
RAMP A	SLOPES & BR. END	RT	312+97 TO 328+47	1475.00															
RAMP A	SLOPES & BR. END	LT	335+00 TO 339+31.25	618.75															
RAMP A	SLOPES & BR. END	RT	335+00 TO 337+87.50	475.00															
RAMP G	TRAFFIC SEPARATION	LT	212+00 TO 216+00	350.00															
EB I-24	BARRIER WALL END	RT	3579+78																
EB I-24	BARRIER WALL END	LT	3583+87																
EB I-24	BARRIER WALL END	LT	3622+06																
SB I-69	BARRIER WALL END	LT	5613+00																
SB I-69	BARRIER WALL END	RT	5618+25																
				7450.00															

① QUANTITIES CARRIED FORWARD TO THE GENERAL SUMMARY

② INCLUDES DELINEATORS ALONG BRIDGE PARAPET

GUARDRAIL SUMMARY

MicroStation v8.11.9.578
E-SHEET NAME:
USER: Kcrider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\GENERAL SUMMARY & GENERAL

GENERAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	001-800.00	R2 ZBB

DIVISION 100 - GENERAL PROVISIONS

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.

DIVISION 200 - EARTHWORK

248 ROADBED NOTE, EMBANKMENT-IN-PLACE

USE EMBANKMENT-IN-PLACE WITH A MINIMUM C.B.R. VALUE OF 6 OR GREATER IN THE TOP 24 INCHES (600 MM) OF ROADBED IN CUT AND FILL SECTIONS.

CLEARING AND GRUBBING ALONG THE NORTH SIDE OF DIVERSION No. 2 WILL BE LIMITED TO A MAXIMUM 15' CLEARING LIMIT GENERALLY PARALLELING THE TEMPORARY DISTURBED LIMIT NEEDED FOR THE DIVERSION.

DIVISION 400 - ASPHALT PAVEMENTS

444 ASHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

447 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR THE DRIVING LANES AND RAMPS AT ONE INCH OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE STANDARD SPECIFICATIONS, CURRENT EDITION. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR THE SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

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 FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

THE ASPHALT REHAB OVERLAY DIMENSIONS SHOWN ON THE TYPICAL SECTION FOR PAVEMENT AND SHOULDER WIDTHS AND THICKNESS ARE NOMINAL OR TYPICAL DIMENSIONS. THE ACTUAL DIMENSIONS TO BE CONSTRUCTED MAY BE VARIED TO FIT EXISTING CONDITIONS AS DIRECTED BY THE ENGINEER. IT IS NOT INTENDED THAT EXISTING PAVEMENT OR SHOULDERS BE WIDENED UNLESS OTHERWISE SPECIFIEID IN THE PLANS.

DIVISION 600 - STRUCTURES AND CONCRETE

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

PROTECTION OF UTILITIES

THE LOCATION OF UTILITIES SHOWN ON THE PLANS IS APPROXIMATE ONLY. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES BEFORE EXCAVATING BY CALLING THE VARIOUS UTILITY OWNERS AND / OR BY EXAMINING ANY SUPPLEMENTAL INFORMATION. IF NECESSARY, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF THE UTILITIES BY HAND DIGGING TO EXPOSE UTILITIES BEFORE EXCAVATING IN THE AREA OF THE UTILITY. THE COST FOR REPAIR AND ANY OTHER ASSOCIATED COSTS FOR ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE BORNE BY THE CONTRACTOR.

THE CONTRACTOR IS ADVISED TO CONTACT BUD ONE-CALL SYSTEM 1-800-752-6007 TOLL FREE A MINIMUM OF TWO AND NO MORE THAN TEN BUSINESS DAYS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH SUBSCRIBE TO THE BEFORE-U-DIG (BUD) SERVICE. COORDINATE EXCAVATION WITH ALL UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBT TO BUD. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE BUD ONE-CALL SYSTEM. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE PROJECT AREA.

GENERAL NOTES

MicroStation v8.11.9.578 E-SHEET NAME: USER: korider DATE PLOTTED: August 3, 2015 FILE NAME: GENERAL SUMMARY & GENERAL NOTES.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R3

CONVENTIONAL SIGNS

SURVEY LINE
GRADE LINE
GROUND LINE
COUNTY LINE
CORPORATE LIMITS
EXIST. PROPERTY LINE
EXIST. RIGHT OF WAY & PROPERTY LINE
PROPOSED RIGHT OF WAY
RIGHT OF WAY MONUMENT
BENCH MARK
EXISTING R/W MARKER
RIGHT OF WAY MONUMENT
EXISTING/PROPOSED
UTILITY TEST HOLE
EXISTING ROAD
RAILROAD
FENCE (CONTROLLED ACCESS)
FENCE (EXCEPT STONE AND HEDGE)
TREE LINE
TREES
PIPE CULVERT
CULVERT
BRIDGE
BUILDINGS
GUARDRAIL

UTLITY OWNERS

WATER

NORTH MARSHALL WATER
96 Carroll Rd
Benton, KY 42025
Contact: Darrell Howell
Phone: 270-703-1795
Contact: Jerimiah Knowels
Phone: 270-703-0410

Calvert City Water
Calvert City-City Hall
861 E. 5th Ave
Calvert City, KY 42029
Contact: Don Myrick
Phone: 270-703-4320

ELECTRIC

West KY RECC
1218 W Broadway
P.O. Box 589
Mayfield, KY 42066
Contact: Daniel Turner
Phone: 270-970-1328

Tennesee Valley Authority
10060 State Route 45
N Hickory, KY 42051
Contact:
Phone: 270-856-4314

TELEPHONE

AT&T
Paducah, KY 42001
Contact: Alan Shelby
Phone: 270-444-5048

Windstream Communications
4001 Rodney Parham Road
Little Rock, AR 72212-2442
Contact:
Phone: 1-859-321-2213

Time Warner Communications
1 Time Warner Center
New York, NY 10019
Contact:
Phone: 1-855-821-7018

SERVICE SIGNS

Kentucky Logos
2129 Commercial Drive C
Frankfort, KY 40601
Contact: JR Jarvis or Patricia Dunnum
Phone: 1-800-469-5646 or 502-227-0802

CABLE

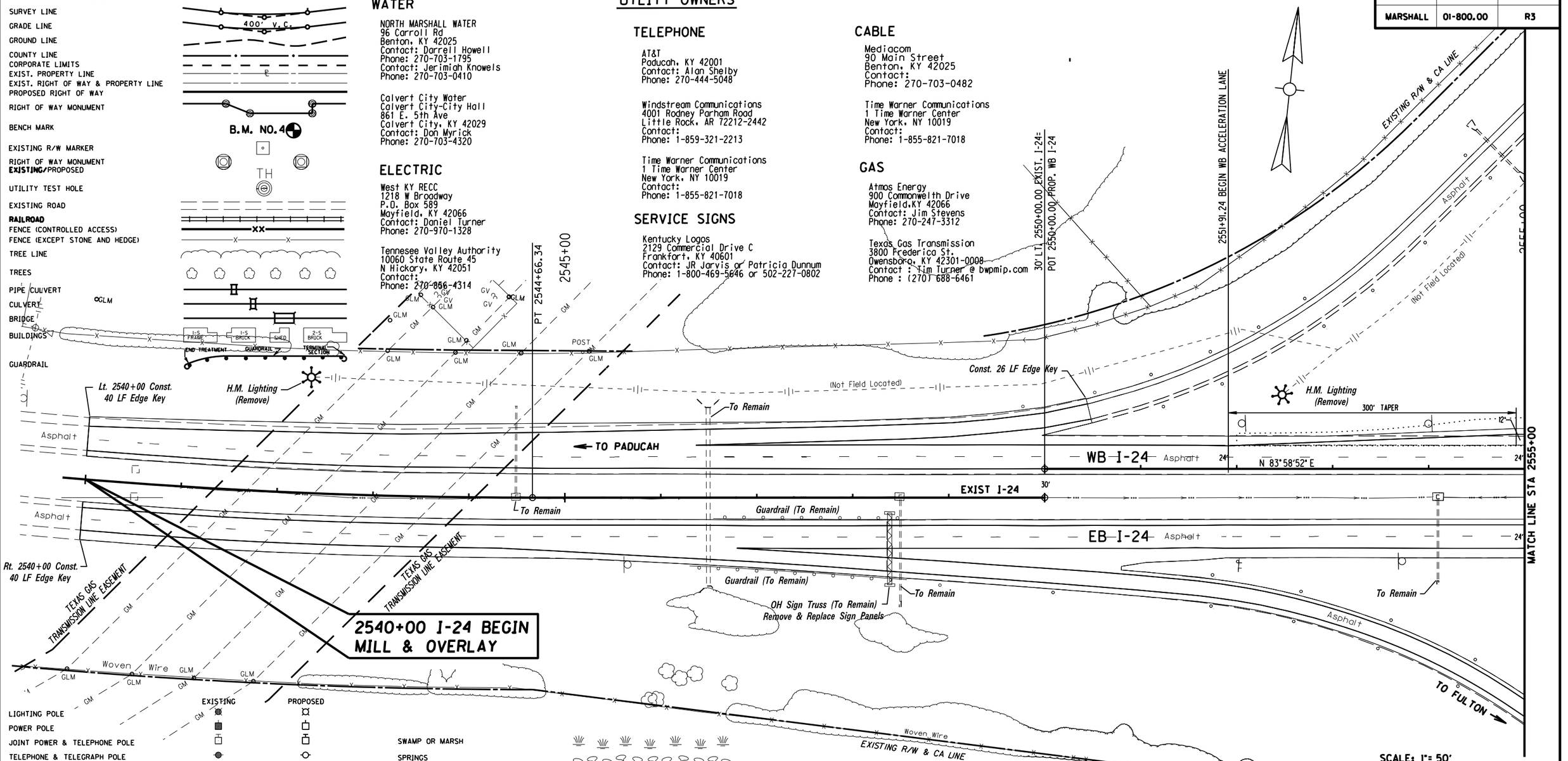
Mediacom
90 Main Street
Benton, KY 42025
Contact:
Phone: 270-703-0482

Time Warner Communications
1 Time Warner Center
New York, NY 10019
Contact:
Phone: 1-855-821-7018

GAS

Atmos Energy
900 Commonwelth Drive
Mayfield,KY 42066
Contact: Jim Stevens
Phone: 270-247-3312

Texas Gas Transmission
3800 Frederica St.
Owensboro, KY 42301-0008
Contact : Tim Turner @ bwpmip.com
Phone : (270) 688-6461



	EXISTING	PROPOSED
LIGHTING POLE		
POWER POLE		
JOINT POWER & TELEPHONE POLE		
TELEPHONE & TELEGRAPH POLE		
ANCHOR, POWER OR TELEPHONE		
STUB POWER		
STUB TELEPHONE		
WATER MAIN	WM	6" WM
GAS MAIN	GM	6" GM
TELEPHONE DUCT	T	T
ELECTRIC DUCT	E	E
DIRECT BURIAL TV CABLE	TV	TV
SANITARY SEWER (WITH MANHOLE)	SAN	SAN
STORM SEWER (WITH MANHOLE)	STORM	STORM
DIRECT BURIAL ELECTRIC CABLE	E	E
DIRECT BURIAL TELEPHONE CABLE	T	T
OVERHEAD WIRE		
TRAFFIC LIGHTS		
ELECTRIC MANHOLE	EMH	EMH
TELEPHONE MANHOLE	TMH	TMH

SWAMP OR MARSH
SPRINGS
SINKHOLE
QUARRY SITE
BLUE LINE STREAM
INTERMITTENT STREAM OR DITCH
LAKES OR PONDS
REGULATED FLOODWAY
NORTH POINT

I-24 STA. 2540+00 TO STA. 2555+00 MILL AND OVERLAY PAVEMENT.

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.

SCALE: 1"= 50'

DESIGNED BY: TIMOTHY CHOATE, PE
DATE SUBMITTED:

BACON FARMER WORKMAN ENGINEERING & TESTING, INC.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MARSHALL

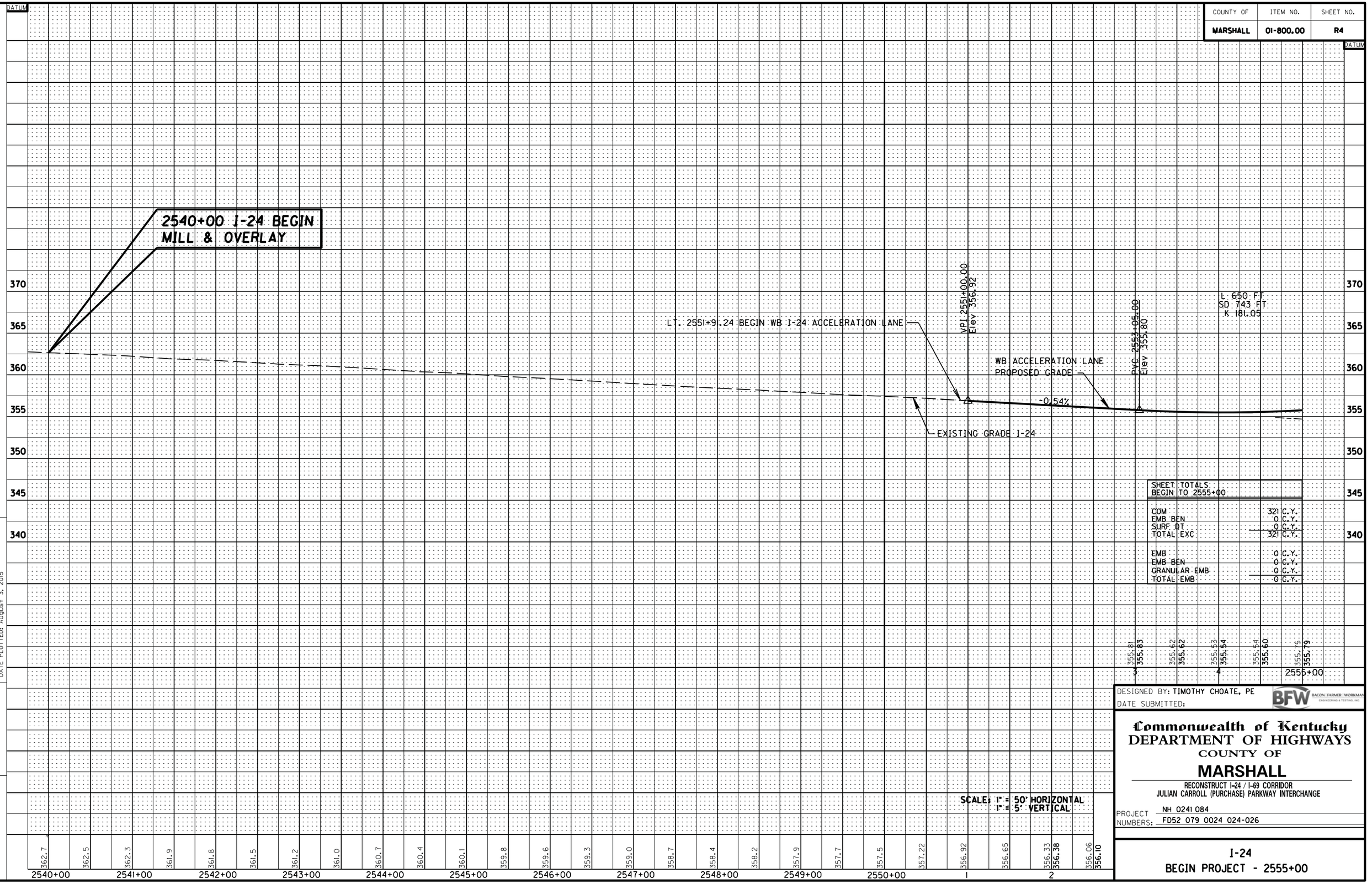
RECONSTRUCT I-24 / I-69 CORRIDOR
JULIAN CARROLL (PURCHASE) PARKWAY INTERCHANGE

PROJECT NUMBERS: NH 0241 084
FD52 079 0024 024-026

I-24
BEGIN PROJECT - 2555+00

FILE NAME: R3.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R4



SHEET TOTALS
BEGIN TO 2555+00

COM	321 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	321 C.Y.
EMB	0 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	0 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

DESIGNED BY: TIMOTHY CHOATE, PE
DATE SUBMITTED:

BFW BACON FARMER WORKMAN ENGINEERING & TESTING, INC.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MARSHALL

RECONSTRUCT I-24 / I-69 CORRIDOR
JULIAN CARROLL (PURCHASE) PARKWAY INTERCHANGE

PROJECT NUMBERS: NH 0241 084
FD52 079 0024 024-026

I-24
BEGIN PROJECT - 2555+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R4.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R5

MATCH LINE STA 2555+00

MATCH LINE STA 2570+00

WB I-24 — Asphalt

EB I-24 — Asphalt

N 83°58'52" E

N_83°58'52"E

REMOVE 5360 SQ. YDS. PAVEMENT

H.M. Lighting (Remove)

Const. 38 LF Edge Key

18' LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.71 SB PROP. JC PKWY.

To Remain

FL 353.00

42" CMP

Const. 38 LF Edge Key

TO CALVERT CITY

TG 357.68
FL 354.93

H.M. Lighting (Remove)

Grass

2560+00

4605+00

2565+00

LT. 2562+00 TO LT. 2565+00 WB I-24 CONSTRUCT
275 LF OF STEEL W BEAM GUARDRAIL (SINGLE FACE)
AND 1 GUARDRAIL CONNECTOR TO BRIDGE END TYPE A .
CONST. 1 TERMINAL SECTION No. 1.
CONST. 290 LF OF CONCRETE WEDGE CURB.

LT. 2561+26 TO LT. 2564+96 WB I-24 REMOVE
370 LF OF STEEL W BEAM GUARDRAIL.

Remove Flume

FL 349.02

10'x4' RC Box (To Remain)

EXISTING 2 SPAN BR. (TO REMAIN)

Cantilever Sign (Remove Truss & Foundation)

4602+30.03 SB JC PKWY.=
2565+74.49 WB I-24

300 TAPER

15" CMP (To Remain)

N 6°00'55" W

15" CMP To Remain

FL 354.14

FL 352.93

Paved Ditch (To Remain)

To Remain

30" CMP

1300' ACCEL. LANE

To Remain

12' 12' 12'

24'

Diversion No. 2

15" PIPE

To Remain

TG 379.41
FL 376.46

Guardrail To Remain

60'

Guardrail To Remain

To Remain

EXISTING 2 SPAN BR. (TO REMAIN)

FL 346.67

60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

To Remain

Guardrail To Remain

4600+00

PI 4600+00.05
Delta= 1°08'45" LT

4601+70.03 SB JC PKWY.=
3565+74.52 EB I-24

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

TS 3568+88.61

15" CMP

FL 349.35

FL 354.39

Cantilever Sign Truss (To Remain)
Remove & Replace Sign Panel

To Remain

Guardrail To Remain

Grass

(Not Field Located)

H.M. Lighting (Remove)

Grass

Grass

JULIAN CARROLL PKWY.

N 6°00'55" W

1200' PAVEMENT TAPER @ 50 : 1

EXIST. R/W & C/L LINE

SCALE: 1"= 50'

WB I-24
2555+00 - 2570+00

USER: rsullivan
DATE PLOTTED: August 3, 2015

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R5.DGN

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R6

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

L 650 FT
SD 743 FT
K 181.05

PVT 2559+55.00
Elev 363.93

3.05%

-0.54%

VPI 2556+30.00
Elev 354.03

PVC 2562+50.00
Elev 372.92

EXIST. 10'X4' RCBC

VPI 2566+00.00
Elev 383.58

0.48%

PVT 2569+50.00
Elev 385.27

SB J.C. PKWY.

NB J.C. PKWY.

RT. STA. 2569+99 CONST. 1-15" CULVERT PIPE
RT. STA. 2569+99 CONST. 1-18" CULVERT PIPE

T.O. 382.15

PLOTTED 10' BELOW DATUM

15" PIPE

F.L. 378.06

L 700 FT
SD 771 FT
K 273.27

EXIST. 30" CMP

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV. (ft)
DESIGN	50	3.9	382.45
CHECK	100	4.3	382.60

SHEET TOTALS
STA. 2555+00 TO 2570+00

COM	992 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	992 C.Y.
EMB	133 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	133 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R6A

DATUM 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335

VPI 3567+75.00
Elev 383.82

VPI 3570+00.00
Elev 386.66

-2.7%

PVC 3569+00.00
Elev 385.40

L 200 FT
SD 1297 FT
K 221.79

SB J.C. PKWY.

NB J.C. PKWY.

EXIST. 15" CMP

EXIST. 30" CMP

SHEET TOTALS
BEGIN TO STA. 3570+00

COM	31 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	31 C.Y.

EMB	158 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	158 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R7

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	LINING CHANNEL THICKNESS (IN)	LINING CHANNEL CLASS	LINING CHANNEL TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

MATCH LINE STA 2570+00 EB I-24

MATCH LINE STA 3570+00 EB

MATCH LINE STA 2585+00

MATCH LINE STA 3585+00

RAMP G

N 51°03'48" W

N 51°03'48" W

PI 211+97.76

PI 111+41.62

PI 3574+00.94

PI 209+06.41

S 87°47'42" W

S 87°47'42" W

Lt. Ramp G Remove 386 LF Of Steel W Beam Guardrail

Diversion No. 2

JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

EXIST.R/W & CA LINE

WW. Fence (To Remain)

207+33.34 RAMP G TO LT.2585+00 WB I-24
REMOVE 465 LF OF W.W. R/W FENCE

207+33.74
116.68'
WB I-24 RAMP

204+83.13
156.12'
WB I-24 RAMP

206+64.21
96.92'
WB I-24 RAMP

PC 205+87.41

N 80°42'12" E
23.68'

Begin Fence Removal

Temp.Esm't. For Diversion

15' Clearing Limit

207+33.34 Ramp G TO Lt. 2585+00 WB 24
Const. 465 LF Of W.W. Fence Type 1

Remove 161 S.Y. Paved Dt.

Remove 160 S.Y. Paved Dt.

Lt. 2582+77 TO Lt. 2585+00 WB I-24 Remove 223 LF of Steel W Beam Guardrail.

Rt. 2582+77 TO Rt. 2585+00 WB I-24 Remove 223 LF Of Steel W Beam Guardrail.

Remove OH Sign Truss, Support Foundations & Sign Panels.

OH Electric

Electric Service

2575+00

2580+00

2585+00

210+00

205+00

105+00

3575+00

3580+00

3585+00

GRASS

Guardrail (To Remain)

Flume (To Remain)

Paved Ditch (To Remain)

(Not Field Located)

Asphalt

WB I-24

EB I-24

T.G. 382.15
F.L. 378.06

N 83°58'52" E

S 89°14'16" E

360'

24'

12'

EB I-24
PI STA 3574+00.94
Δ = 6°46'52" RT
Ts = 512.33'
Ls = 117.00'
Lc = 789.59'
Os = 0°44'52.75"
R = 7660.00'
Es = 13.51'
e = 2.6%
Runoff = 117'
Runout = 90'

SC 3570+05.61

ST 3577+95.21

CS 3577+12.21

TS 3582+89.61

High Mast Lighting (Remove)

Flume (To Remain)

Guardrail (To Remain)

Remove 3650 S.Y. Pavement

5601+62.84
175.52'
SB I-69

5601+74.18
133.80'
SB I-69

Paved Ditch (Remove)

EXIST.R/W & CA LINE

Guardrail (Remove)

SB I-69

15 Deg

4' Sh.

200' (100 : 1) Sh. Taper

EXIST.R/W & CA LINE

5605+36.57
174.90'
SB I-69

5607+22.79
136.88'
SB I-69

24' S.S.

F.L. 364.31

F.L. 355.53

24'

CLOVER LEAF REALTY,LLC

14'

25' (1 SW TAP

F.L. 363.71

F.L. 353.18

N 68°45'41" E

24" PIPE

O.E. 352.96

Remove Fence

Remove Fence

RT. 3579+78 EB I-24 CONSTRUCT 1 CRASH CUSHION TYPE IX AND 1 CONC. MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX.

LT. 3583+87 EB I-24 CONSTRUCT 1 CRASH CUSHION TYPE IX AND 1 CONC. MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX.

SCALE: 1"= 50'

EB I-24 3570+00 - 3585+00
WB I-24 2570+00 - 2585+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R7.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R8

DATUM 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340

PVC 2574+30.00
Elev 387.60

VPI 2576+80.00
Elev 388.81

PVT 2579+30.00
Elev 385.22

0.48%

SPEC. "V" DT. LT.

+0.50%

-1.43%

+00
F.L. 382.85

L 500 FT
SD 812 FT
K 260.60

+66
T.G. 378.68

+0.50%

-1.00%

+00
T.G. 382.15

SPEC. "V" DT. RT.
(PLOTTED AT 10' BELOW DATUM)

+50
F.L. 384.90

+50
F.L. 381.90

SHEET TOTALS
STA. 2570+00 TO 2585+00

COM	2619 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	2619 C.Y.
EMB	103 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	103 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R8A

DATUM 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340

VPI 3570+00.00
Elev 386.66

VPI 3571+00.00
Elev 387.03

VPI 3575+00.00
Elev 388.48

VPI 3580+50.00
Elev 389.91

L 200 FT
SD 1297 FT
K 221.79

0.36%

0.26%

0.35%

PROPOSED SUBGRADE

SPEC. "V" DT. LT.

+50
F.L. 386.00

4" NON PERF. PIPE

-2.00%

+00
F.L. 377.00

STA. 3581+00 CONST. 1-PERF PIPE HWALL TY 2-4 INCH & NON-PERF PIPE 4 INCH

TRANSVERSE BENCHING
STA. 3578+47 TO 3581+95
2,733 CY (SEE GEOTECHNICAL NOTE x)

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 385.00

-8.00%

+50
F.L. 373.00

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

+14.00%

+00
F.L. 379.00

+2.00%

+50
F.L. 380.00

+50
F.L. 372.00

SHEET TOTALS STA. 3570+00 TO 3585+00	
COM	6532 C.Y.
EMB BEN	1197 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	7729 C.Y.
EMB	27742 C.Y.
EMB BEN	1197 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	28939 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

3570+00	1	2	3	4	3575+00	6	7	8	9	3580+00	1	2	3	4	3585+00
385.72	386.01	386.26	386.50	386.79	387.06	387.36	387.70	387.94	388.12	388.29	388.40	388.40	388.42	388.3	387.7	387.2	386.9	388.91	387.75	385.5	382.8	380.9	379.0	377.4	376.5	377.9	378.7	377.7	375.1	368.8
386.44	386.79	387.03	387.21	387.39	387.57	387.76	387.94	388.12	388.30	388.48	388.61	388.74	388.87	389.00	389.13	389.26	389.39	389.52	389.65	389.78	389.91	390.09	390.26	390.44	390.61	390.79	390.96	391.14	391.31	391.49

EB I-24
3570+00 - 3585+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R8A.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R9

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

Lt. 2585+00 To Lt. 2599+30 WB 24
Remove 1383 LF Of W.W. RW Fence.

Lt. 2585+00 To Lt. 2599+16 WB 24
Const. 1375 LF Of W.W. Fence Type 1.

STEPHEN P. SEARS AND MARY K. SEARS

WB I-24
PI STA 2594+86.08
Δ = 18°00'45" LT
Ts = 570.85'(1)
Ts = 452.24'(2)
Ls = 248.69'(1)
Lc = 766.85'
Os = 2°01'16.19"
R = 2834.79'
Es = 35.85'
e = 5.4%
Runoff = 247'
Runout = 90'

P/1 JULIE SMITH ROBERTSON AND DAVID E. SMITH, JR.

P/2 DAVID J. WAGNER AND SHERRI A. VAN HORN

P/3 SEAN HARRIS AND DEANNA HARRIS (WF.)

2599+30.77 WB I-24
END RE-GRADING

MATCH LINE STA 2585+00

24' LT. 2587+46.70 WB I-24 = 200+00.00 RAMP G

N 80°42'12" E 627.64

15' Clearing Limit

EXIST. R/W & CA LINE

Paved Ditch (Remove)

RAMP G (Not Field Located) S 87°47'42" W

Lt. 2585+00 To Lt. 2585+02 WB 24 Remove 2 LF Of Steel W Beam Guardrail.

Rt. 2585+00 To Rt. 2585+17 WB 24 Remove 17 LF Of Steel W Beam Guardrail.

2588+88.95 247.07' WB I-24

N 80°42'12" E 12.70'

2589+01.64 247.80' WB I-24

Temp. Esmt. For Diversion

Remove 61 LF of Fence

W.W. Fence (Remove)

TS 2589+15.23

2589+00.33 187.62' WB I-24

Remove 484 S.Y. Paved Dt.

I.E. 354.39

Diversion No. 2

FL 354.39

60" CMP

H.M. Lighting (Remove)

WB I-24

N 83°58'52" E

TG 379.51 FL 377.06

TG 370.60 FL 368.05

360' TAPER

2591+61.91 219.10' WB I-24

N 89°45'12" E 252.05'

2591+57.76 159.04' WB I-24

SC 2591+63.92

15' Clearing Limit

Const. 64 LF Of W.W. Fence Type 1

Temp. Esmt. For Diversion

R= 2585.18' L 350.83' N 77°34'19" E LC 350.56'

2595+00

2595+42.16 219.68' WB I-24

2595+21.23 160.13' WB I-24

N 21°13'34" E 62.86'

R= 2678.34' L 344.05' S 77°44'12" W LC 343.78'

EXIST. R/W & CA LINE

IP

TS 5621+82.40

SC 5624+78.40

SC 5624+44.19 SB I-69

PI 1599+30.77 WB 1-24

2598+35.84 161.03' WB I-24

15' Clearing Limit R= 2678.34' L 296.79' S 70°53'36" W LC 296.64'

W.W. Fence (Remove)

2600+00

2595+00

TG 362.99 FL 359.99

I.E. 359.99

Remove 177 S.Y. Paved Dt.

12' 12' 12' 14' SH.

TG 365.00 FL 362.10

I.E. 366.95 F.L. 359.56

15" CMP (REMOVE)

30" CMP

N 65°58'06" E

PI 2594+86.08

2595+00

2600+00

Paved Ditch (Remove)

1200' Inside Lane Taper @ 100 : 1

FL 359.23

FL 358.99

O.E. 358.49

R= 330.00' L 97.59' S 58°47'23" W LC 97.25'

W.W. Fence (Remove)

Remove 461 S.Y. Pavement

EXIST. PERMANENT DRAINAGE ESM'T.

2600+00

Asphalt

SB I-69

15" S.S.

24" S.S.

14' SH.

T.G. 361.50 F.L. 357.50 24" S.S.

FL 361.20

15" CMP (BROKEN) (REMOVE)

SC 3585+21.61

N 68°45'41" E

70 : 1 STRIPING TAPER

F.L. 365.53 F.L. 361.53

F.L. 365.79 6% F.L. 358.42

F.L. 366.48 F.L. 359.42

FL 351.43

F.L. 390.56 F.L. 386.56

EB I-24

F.L. 388.66 F.L. 384.55

1614+50.20 11.60' NB I-69

12" CMP

FL 367.03

F.L. 367.17 F.L. 360.42

1615+92.85 8.06' NB I-69

+25 APPROX. END RETAINING WALL

+00 APPROX. END SHL'D. BARRIER WALL

F.L. 386.40 F.L. 382.08

15' S.S.

3595+00

3600+00

3590+00

3585+00

TEL JB

EXIST. R/W & CA LINE

W.W. Fence (Remove)

Conc. Wedge Curb

T.R. 389.42 F.L. 351.20

FL 355.24

15" CMP (REMOVE)

60" PIPE

24" PIPE

O.E. 354.16

O.E. 350.05

Gravel

Asphalt

Ticket Booth

SANMH Top 377.33

Restroom

Jacket Booth

1616+00.00 105.00' NB I-69

S 89°14'16" E

PROP. R/W & C/A W/FENCE

S 71°06'25" W 406.34'

1620+05.16 136.00' NB I-69

24' RT. 1591+26.77 EB I-24 POT 1620+05.16 NB I-69 LANE TAPER BEGIN 1200' INSIDE LANE

P/10 CLOVER LEAF REALTY, LLC

5610+00

C. Link Fence (Remove)

FL 356.49

EL JB

N 66°43'53" E

NB I-69

24'

SANMH Top 378.74

S 65°26'06" W 1128.90'

1613+00.00 135.00' NB I-69

CONCESSIONS SKYBOX

S 61°01'15" W 301.50'

Gravel

GRANDSTAND

Kentucky Lake Speedway Dirt Track

PROP. R/W & C/A W/FENCE

1615+00

1610+00

CLOV

SCALE: 1" = 50'

WB I-24
2585+00 - END

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan | DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R9.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R10

RT. STA. 2589+64 CONST. I-
MANHOLE TYPE C (H=38.22')
60" CULVERT PIPE @ 19° SKEW RT.

RT. STA. 2597+78 CONST. I-
DBI TYPE 5F (H=7.39')
30" CULVERT PIPE @ 21° SKEW LT.

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

T.R. 389.42

PVC 2590+50.00
Elev 369.15

L 350 FT
SD 2304 FT
K 175.08

PVT 2594+00.00
Elev 367.61

PVC 2597+75.00
Elev 369.69

VPI 2598+50.00
Elev 370.10

L 150 FT
SD 890 FT
K 225.45

PVT 2599+25.00
Elev 371.01

VPI 2599+30.77
Elev 371.08

END REGRADING
STA. 2599+30.77

-1.43%

-1.95%

+47
F.L. 366.00

3' F.B. SURF. DT. LT.

+50
F.L. 364.00

PLOTTED 10' BELOW DATUM

EXIST. 60" CMP

F.L. 351.20

+50
F.L. 361.50

+0.50%

SPEC. "V" DT. LT.

+50
F.L. 363.00

+2.50%

+00
F.L. 364.25

VPI 2592+25.00
Elev 366.64

+0.50%

+50
F.L. 365.00

-5.75%

+37
F.L. 360.00
EXIST. 30" CMP

+6.96%

T.G. 366.95

PLOTTED 10' BELOW DATUM

30" PIPE

F.L. 359.56

0.55%

+1.25%

+31
F.L. 366.00

+00
F.L. 364.38

SPEC. "V" DT. LT.

1.22%

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HGL/WATER ELEV (ft)
DESIGN	50	13.5	367.70
CHECK	100	14.6	367.75

SHEET TOTALS
STA. 2585+00 TO END

COM	33892 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	33892 C.Y.
EMB	298 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	298 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R11

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R11.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

DAVID J. WAGNER AND SHERRI A.VAN HORN

MATCH LINE STA 3585+00

MATCH LINE STA 3600+00

RAMP G
S 87°47'42" W

High Mast Lighting

WB I-24

SB I-69

EB I-24

NB I-69

Diversion No. 2

Paved Ditch (Remove)

W.W. Fence (Remove)

15' Clearing Limit

EXIST.R/W & CA LINE

Temp.Esm't. For Diversion

(Not Field Located)

Remove 150 S.Y. Paved Dt.

Remove 461 S.Y. Pavement

1200' Inside Lane Taper @ 100 ± !

+25 APPROX. END RETAINING WALL

+00 APPROX. END SHL'D. BARRIER WALL

360' TAPER

70 : 1 STRIPING TAPER

Conc. Wedge Curb

Gravel

Asphalt

Gravel Parking

Grass

Ticket Booth

Restroom

C. Link Fence (Remove)

Chainlink Fence

GRANDSTAND

Kentucky Lake Speedway
Dirt Track

CLOVER LEAF REALTY,LLC

PROP.R/W & C/A W/FENCE

EXIST. PERMANENT DRAINAGE ESM'T.

150' TVA TRANSMISSION LINE EASEMENT

WEIGH SCALE

CONCESSIONS SKYBOX

SANMH Top 377.33

SANMH Top 378.74

EL JB

TEL JB

WM

SAN

Rt. 3595+38 TO Rt. 3600+00 EB 24
Remove 473 LF Of W.W. R/W Fence.

Rt. 3597+26.77 TO Rt. 3600+00 EB 24
Const. 288 LF Of W. W. Fence Type 1.

Rt. 3586+90 To Rt. 3588+52.50 EB I-24 Const. 162.50 LF Of Steel W Beam Guardrail (Single Face) And 1 Guardrail Connector To Bridge End Type A. Const. 1 Terminal Section No. 1. Const. 95 LF Of Concrete Wedge Curb.

EB I-24
PI STA 3599+74.52
Δ = 52°56'33" LT
Ts = 1684.91'
Ls = 232.00'
Lc = 2678.67'
Os = 1°49'08.09"
R = 3150.00'
Es = 369.73'
e = 5.15%
Runoff = 232'
Runout = 90'

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SCALE: 1"=50

EB I-24
3585+00 - 3600+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R12

L.T. STA. 3590+48 CONST. I-CMBBI TYPE 14BI (H=4.00')

L.T. STA. 3592+50 CONST. I-CMBBI TYPE 14BI (H=4.10')

L.T. STA. 3594+98 CONST. I-CMBBI TYPE 14BI (H=4.32')
15" STORM SEWER PIPE

SHEET TOTALS
STA. 3585+00 TO STA. 3600+00

COM	55 C.Y.
EMB BEN	0 C.Y.
SURF DT	28 C.Y.
TOTAL EXC	83 C.Y.
EMB	8847 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	8847 C.Y.

PVC 3587+25.00
Elev 392.28

VPI 3589+00.00
Elev 392.89

PVT 3590+75.00
Elev 391.30

F.L. 390.56

F.L. 386.56

CONST. 15" S.S.
(PLOTTED 10' ABOVE DATUM)

F.L. 388.66

F.L. 384.56

CONST. 15" S.S.
(PLOTTED 10' ABOVE DATUM)

F.L. 386.40

F.L. 382.08

0.26%

L 350 FT
SD 1031 FT
K 277.68

-10.91%

SB I-69

EXIST. 30" CMP

EXIST. 18" CMP

+27
F.L. 362.35

-3.60%

2' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 356.12

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

3585+00	6	7	8	9	3590+00	1	2	3	4	3595+00	6	7	8	9	3600+00
368.8	364.1	361.5	360.6	359.2	358.4	357.8	357.0	356.6	356.2	355.7	358.0	361.5	365.3	370.0	374.5	378.3	380.5	380.2	379.0	377.8	378.4	379.1	380.1	379.1	376.2	369.5	364.2	366.2	367.9	369.6
391.49	391.67	391.84	392.02	392.19	392.35	392.44	392.43	392.34	392.15	391.88	391.51	391.07	390.62	390.16	389.71	389.25	388.80	388.34	387.89	387.43	386.98	386.52	386.07	385.61	385.15	384.70	384.24	383.79	383.33	382.88

EB I-24
3585+00 - 3600+00

DATUM 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R12.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R13

Lt. 3600+00 To Lt. 3615+00 EB I-24
Remove 1395 LF Of W.W. RW Fence.

Lt. 3600+00 TO Lt. 3615+00 EB 24
Const. 1395 LF Of W.W. Fence Type 1

P 3
SEAN HARRIS AND
DEANNA HARRIS (WF.)

P 4
MICHAEL G.MORROW AND
SUSAN E.MORROW (WF.)

DOUGLAS STORY

P 5
CRAIG M.JOLLEY AND
TERRI JOLLEY (WF)
Wooded

1-STY-FRAME-RES
GAR.

EB I-24
PI STA 3599+74.52
Δ = 52°56'33" LT
Ts = 1684.91'
Ls = 232.00'
Lc = 2678.67'
Os = 1°49'08.09"
R = 3150.00'
Es = 369.73'
e = 5.15%
Runoff = 232'
Runout = 90'

MATCH LINE STA 3600+00

5625+00

5630+00

5635+00

3605+00

3610+00

MATCH LINE STA 3615+00

15' Clearing Limit

EXIST.R/W & CA LINE

Temp.Esmt. For Diversion

R= 2585.18'
L 108.23' N 61°42'09" E
LC 107.36'

R= 2585.18'
L 26.81' N 43°25'23" E
LC 26.81'

R=2585.18'
L 499.04' N 43°35'43" E
LC 498.27'

EXIST.60' ESMT.

S 10°23'38" E

5632+61.21
236.96'
SB I-69

5632+31.90
236.77'
SB I-69

5632+53.46
219.32'
SB I-69

5632+34.69
175.50'
SB I-69

5638+04.54
241.02'
SB I-69

5638+05.71
181.03'
SB I-69

W.W. Fence (Remove)

Diversion No. 2

12'
12'
12'
14' SH.
14' SH.

Remove 51 S.Y. Paved Dt.

Remove 41 S.Y. Paved Dt.

Remove 206 S.Y. Paved Dt.

Panel Sign (Remove)

N 68° 45' 41" E

WB I-24

SB I-69

EB I-24 / NB I-69

I.E. 376.37

24" S.S.

24" CMP

TG 379.47
FL 376.32

Remove 167 S.Y. Paved Dt.

CS 3612+00.28

CS 5637+17.17

ST 3614+32.28

I.E. 381.11

30" PIPE

FL 380.81

Remove 89 S.Y. Paved Dt.

PROP.R/W & C/A W/FENCE

R=3900.00'
L 907.55' S 58°41'23" W
LC 904.85'

3603+19.55
111.54'
EB I-24

W.W. Fence (Remove)

TG 381.39
FL 375.39

15" S.S.

+72 APPROX. BEGIN BARRIER WALL

F.L. 388.82
F.L. 384.82

T.C. 383.70
F.L. 375.21

15" S.S.

F.L. 391.10
F.L. 387.10

1200' Inside Lane Taper @ 100 1/1

N 37° 49' 11" E

12'
12'
12'
12'
12'
12'

F.L. 396.62
F.L. 390.22

15" S.S.

TG 392.77
FL 390.22

△ 7
Z 387.590

24" PIPE

24" CMP

FL 374.25

I.E. 373.89

Remove 32 S.Y. Paved Dt.

24' RT 3609+26.77 EB I-24
END 1200' INSIDE LANE TAPER

1000' Parallel Outside Lane

15" CMP

FL 385.72

30" RCP

FL 371.97

Paved Ditch (To Remain)

150' TVA TRANSMISSION LINE EASEMENT

3606+00.00
160.00'
EB I-24

S 39°58'06" W 129.49'

TVA Tower

PI 5630+83.63

3607+21.86
138.02'
EB I-24

DBL 30" CMP

150' TVA TRANSMISSION LINE EASEMENT

36" RCP
To Remain

FL 366.53

Asphalt

TEL JB

FL 365.29

P 10
CLOVER LEAF REALTY,LLC

3607+21.86 EB I-24
END RW

P 10
CLOVER LEAF REALTY,LLC

RT. 3600+00 TO RT. 3607+21.86 EB 24
REMOVE 750 LF OF RW FENCE.

RT. 3600+00 TO RT. 3607+21.86 EB 24
CONST. 760 LF OF W.W. FENCE TYPE 1

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"=50

EB I-24
3600+00 - 3615+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R13.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R14

STA. 3601+35 CONST. 1- PERF PIPE HWALL TY 3-4 INCH & NON-PERF PIPE 4 INCH

LT. STA. 3609+75 CONST. 1- CMBBI TYPE 1482 (H=4.00')

LT. STA. 3611+00 CONST. 1- CMBBI TYPE 1482 (H=4.00')

LT. STA. 3613+73 CONST. 1- CMBBI TYPE 1482 (H=6.40') & 15" CULVERT PIPE

PVC 3601+25.00
Elev 381.74

450 FT
SD 8.3 FT
K 163.08

PVT 3605+75.00
Elev 383.85

PVC 3613+00.00
Elev 397.26

-0.91%

PROPOSED SUBGRADE

F.L. 388.82

F.L. 384.82

CONST. 15" S.S. (PLOTTED 10' ABOVE DATUM)

F.L. 391.10

F.L. 387.10

1.85%

F.L. 396.62

CONST. 15" S.S. (PLOTTED 10' ABOVE DATUM)

F.L. 390.22

EXIST. 15" CMP

EXIST. 24"

EXIST. 30" RCP

TRANSVERSE BENCHING
STA 3602+50 TO 3604+70
1,975 CY (SEE GEOTECHNICAL NOTE x)

4" NON PERF. PIPE

+0.80%

+00
F.L. 381.00

+50
F.L. 379.00

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

VPI 3603+50.00
Elev 379.69

SHEET TOTALS STA. 3600+00 TO STA. 3615+00	
COM	932 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	932 C.Y.
EMB	15786 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	15786 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

3600+00	1	2	3	4	3605+00	6	7	8	9	3610+00	1	2	3	4	3615+00
369.6 / 382.88	371.2 / 382.42	372.6 / 381.97	373.8 / 381.53	375.1 / 381.23	376.7 / 381.08	378.0 / 381.09	379.14 / 381.25	380.16 / 381.56	381.06 / 382.02	381.98 / 382.64	382.82 / 383.41	383.60 / 384.32	384.39 / 385.24	385.16 / 386.17	385.89 / 387.09	386.65 / 388.02	387.49 / 388.94	388.29 / 389.86	389.05 / 390.79	389.86 / 391.71	390.55 / 392.64	391.32 / 393.56	391.89 / 394.49	392.52 / 395.41	393.15 / 396.34	393.69 / 397.26	394.52 / 398.15	395.08 / 398.96	396.05 / 399.70	396.75 / 400.36	

EB I-24
3600+00 - 3615+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R14.DGN
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R15

DITCH QUANTITIES								
LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

Lt. 3615+00 To Lt. 3619+52 EB 24
Remove 452 LF Of RW Fence.

Lt. 3615+00 TO Lt. 3619+52 EB 24
Const. 452 LF Of W.W. Fence Type 1.

P/5

CRAIG M.JOLLEY AND
TERRI JOLLEY (WF)

Wooded

CALVERT CITY CORPORATE LIMITS

I-FRAME-VINYL-BUS
MIDWAY TRAILER SALES
(VACANT)

Asphalt

PM INVESTMENTS,LLC

Wooded

Asphalt

2620+00

2625+00

5643+25.00
242.00'
SB I-69

N 37°49'11" E
515.94'

Temp.Esm't.
For Diversion

N 89°05'E
700'

5643+75.00
182.00'
SB I-69

181' LT. 2621+59.91 EXIST. I-24=
POT 5646+49.27 SB I-69

S 37°49'11" W 565.94'

EXIST.R/W & CA LINE

W.W. Fence (Remove)

End Fence Removal

W.W. Fence (To Remain)

ST 5639+67.77

5640+00

5645+00

Remove 16 S.Y. Paved Dt.

Paved Ditch (To Remain)

15" CMP (To Remain)

MATCH LINE STA 3615+00

MATCH LINE STA 3630+00

12'
12'
12'
14' SH.

300' TAPER

15' S.S.

WB I-24 / SB I-69

Asphalt

SB I-69

N 37°49'11" E

F.L. 400.54
F.L. 392.00

F.L. 401.72
F.L. 392.96

N 37°49'11" E

F.L. 401.88
F.L. 394.88

F.L. 399.52
F.L. 395.52

N 38°38'17" E

LANE TRANS. 1213.38' @ 70 : 1

To Remain

TG 386.38
FL 383.63

EB I-24 / NB I-69

840' Outside Lane Taper @ 70 :1

3619+25.93 EB I-24

3620+00

3625+00

3627+65.93

Paved Ditch (To Remain)

EXIST.CA LINE

W.W. Fence (To Remain)

2614+87
150'

TEL JB

JP

Exist. GRail

IP WC 2283

POST

TEL JB

2616+50
210'

TVA Tower

EXIST.R/W

2620+00
220'

SMITH FAMILY,LLC

150' TVA TRANSMISSION LINE EASEMENT

CALVERT CITY CORP. LIMITS

TVA Tower

150' TVA TRANSMISSION LINE EASEMENT

P/10

CLOVER LEAF REALTY,LLC

12.666' RT. 2618+59.91 EXIST. I-24=
PI STA=3619+25.93 EB I-24
Delta= 0°49'06" RT
BEGIN 70 : 1 INSIDE MEDIAN TRANS.

LILLIE B.COTHAM

Wooded

JAMES H.METHENY

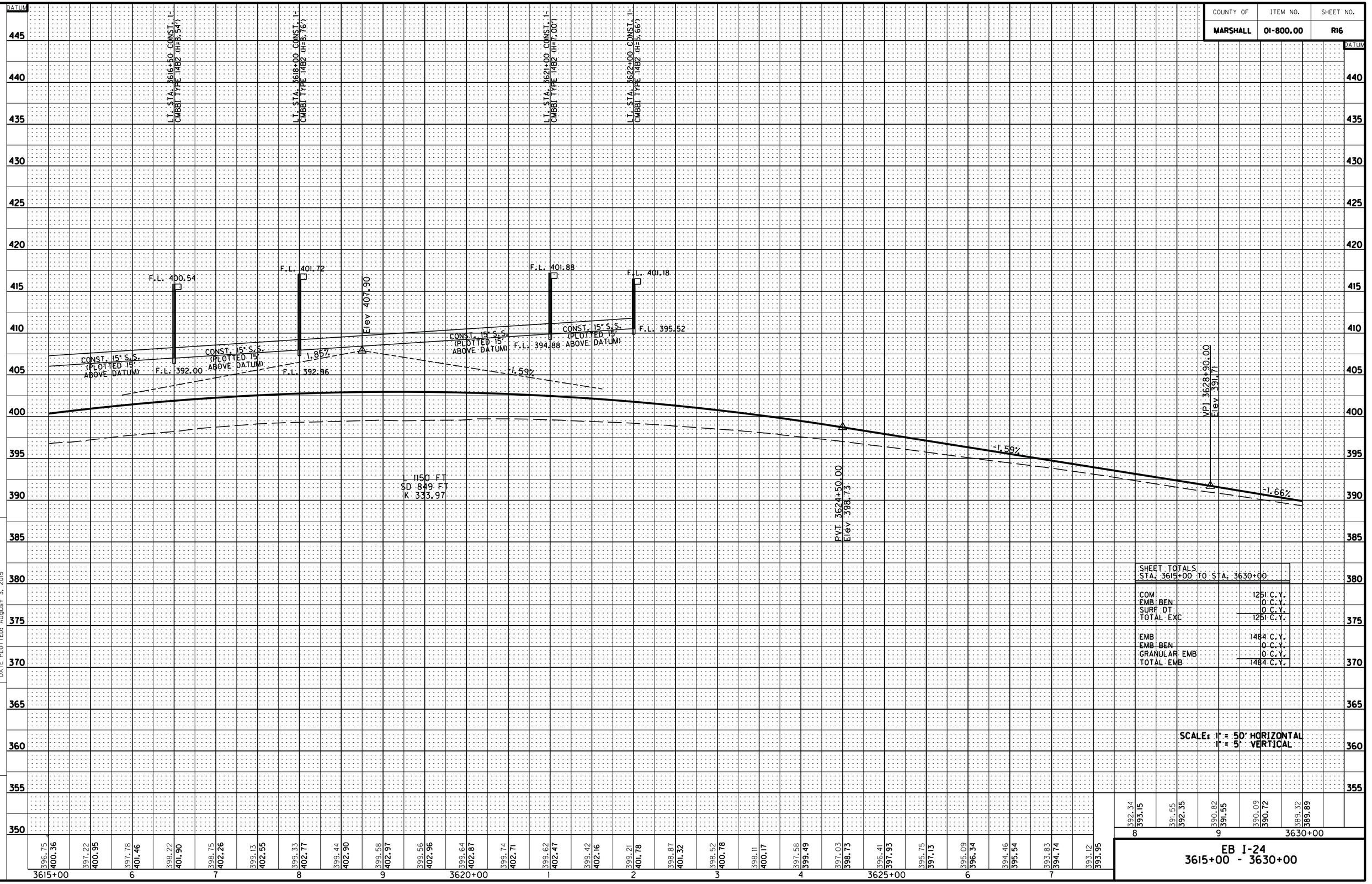
LT. 3622+06 EB I-24 CONSTRUCT 1 CRASH CUSHION TYPE IX
AND 1 CONC. MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX.

SCALE: 1"=50

EB I-24
3615+00 - 3630+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R15.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R16



SHEET TOTALS
STA. 3615+00 TO STA. 3630+00

COM	1251 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	1251 C.Y.
EMB	1484 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	1484 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

EB I-24
3615+00 - 3630+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R16.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R17

Lt. 2635+00 To Lt. 2641+00 I-24.
Remove 612 LF Of RW Fence.

Lt. 2635+00 TO Lt. 2641+00 I-24 Const.
612 LF Of 4-Rail Decorative Fence.

GARAGE
1-STY-METAL-BUS
TAG TRUCK CENTER

TAG REAL ESTATE
HOLDINGS OF MISSOURI, LLC

Gravel

RAMAN G.PATEL
SUNIL H.PATEL
HIRENKUMAR S.PATEL
SHANTILAL G.PATEL

Gravel

LT. 2635+00 BEGIN 4 RAIL FENCE

Asphalt

TEL JB

EXIST.R/W & CA LINE

W.W. Fence (To Remain)

IP WC 2900

IP

W.W. Fence
(Remove)

H.M. Lighting
(To Remain)

(Not Field Located)

IP WC 2900

2640+00
220'

2630+00

2635+00
2635+00
200'

2640+00

Paved Ditch (To Remain)

To Remain

To Remain

C.P. 51964

C.P. 51963

Asphalt

To Remain

N 37°49'11" E

I-24 / I-69

MATCH LINE STA 3630+00 EB I-24

MATCH LINE STA 2641+00

N 38°38'17" E

30'

12'
12'

N 37°49'11" E

12'
12'

Asphalt

Paved Ditch (To Remain)

W.W. Fence (To Remain)

W.W. Fence
(Remove)

WM

TEL JB

RT. 2635+52 BEGIN 4 RAIL FENCE

3631+39.43 EB I-24 END
CONST. BEGIN OVERLAY

30' RT. 2630+73.29 EXIST. I-24=
PI STA=3631+39.43 EB I-24
Delta= 0°49'06" LT
END TO : INSIDE MEDIAN TRANS.

30' RT. 2633+73.29 EXIST. I-24=
POT 3634+39.43 EB I-24

150' TVA TRANSMISSION LINE EASEMENT

VAN RUDOLPH

Rt. 2635+52 To Rt. 2641+00 I-24
Remove 548 LF Of CA Fence.

Rt. 2635+52 To Rt. 2641+00 I-24 Const.
548 LF Of 4-Rail Decorative Fence.

TVA Tower

150' TVA TRANSMISSION LINE EASEMENT

SCALE: 1"=50

EB I-24
3630+00 - 2641+00

MicroStation v8.11.9.459 E-SHEET NAME: USER: rsullivan DATE PLOTTED: August 3, 2015 FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R17.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R17A

DATUM 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345

-1.66%

VPI 3634+39.43
Elev 382.62

END CONSTRUCTION
STA. 3634+39.43

EXIST I-24

PROP. EB I-24 3634+39.43
EXIST. EB I-24 2633+73.29

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R18

Lt. 2641+00 To Lt. 2644+16 I-24
Remove 354 LF Of RW Fence.

Lt. 2641+00 To Lt. 2644+16 I-24 Const.
354 LF Of 4-Rail Decorative Fence.

MATCH SHEET 18D

SIGLER, LLC

EXIST. R/W & CA LINE

W.W. Fence (Remove)

(Not Field Located)

Paved Ditch (To Remain)

To Remain

H.M. Lighting
(To Remain)

Asphalt

TO CALVERT CITY

I-24 / I-69

US 62

2645+00

2650+00

2655+00

18" STORM SEWER PIPE

TY A DBI

GRASS

8' x 4' RC Box
(To Remain)

2649+84.34 WB I-24 END CONST.

Const. 48 LF Edge Key

2651+09.86 I-24 =
49+86.42 US 62

Guardrail (To Remain)

2650+42.93 EB I-24 END CONST.

2644+00
215

EXIST. CA LINE

EXIST. R/W

WM

TEL JB

TRUCK PLAZA LN.

Rt. 2641+00 To Rt. 2650+05 I-24
Remove 960 LF Of CA Fence.

Rt. 2641+00 To Rt. 2650+05 I-24 Const.
960 LF Of 4-Rail Decorative Fence.

MATCH LINE STA 2641+00

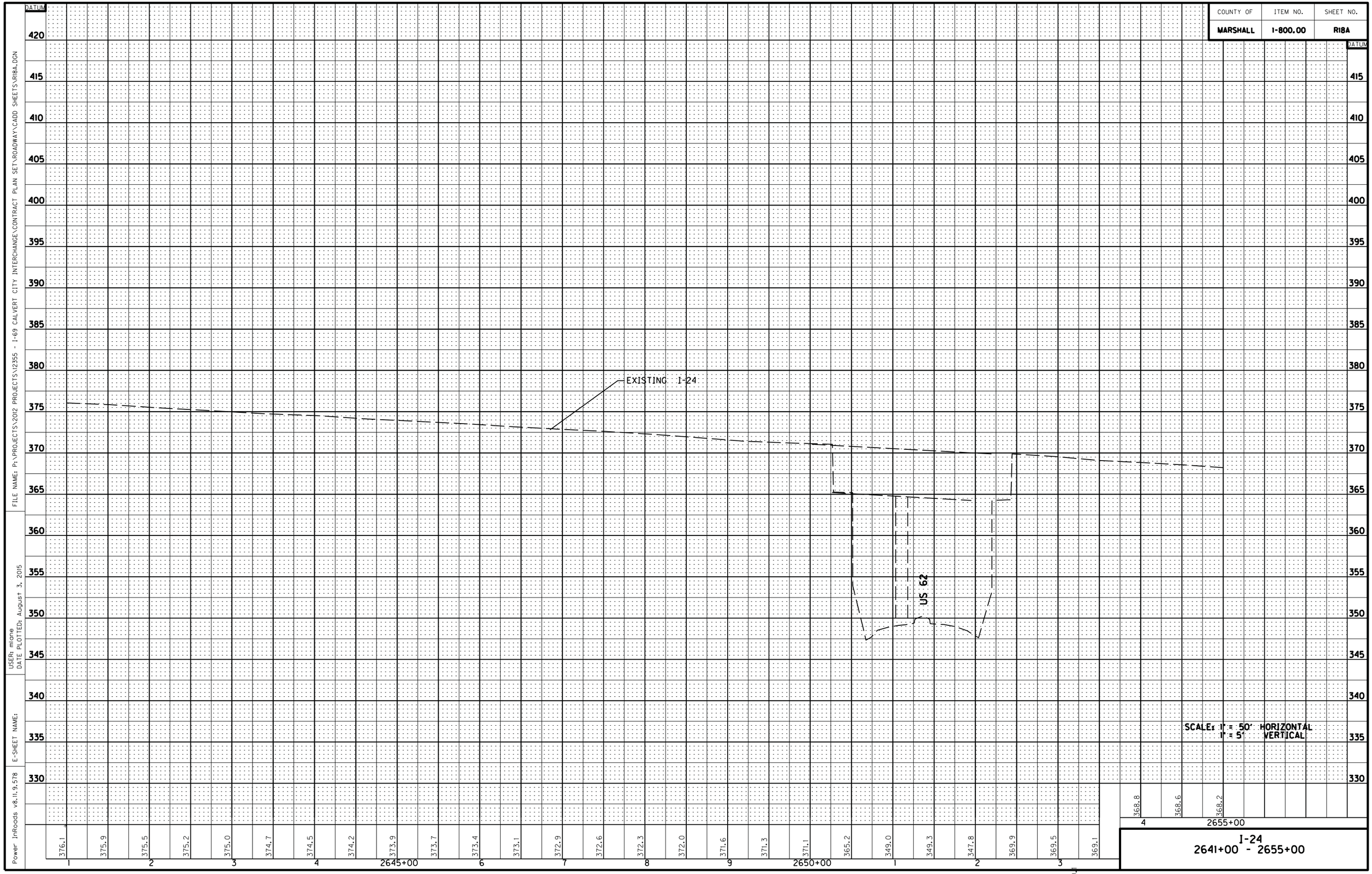
MATCH LINE STA 2655+00

SCALE: 1"=50

I-24
2641+00 - 2655+00

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	R18A



SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

I-24
2641+00 - 2655+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18A.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R18B

Lt. 2655+00 To Lt. 2665+89 I-24
Remove 1138 LF Of CA & RW Fence.

Lt. 2655+00 To Lt. 2665+89 I-24 Const
1138 LF Of 4-Rail Decorative Fence.

MATCH LINE STA 2655+00

Asphalt

EXIST.CA LINE

EXIST.R/W

KY LAKE TRAILER SALES,INC.

2655+00

2660+00

2665+00

(Not Field Located)

H.M. Lighting
(To Remain)

2659.00
280'

W.W. Fence (Remove)

LT.2665.89 END 4 RAIL FENCE

H.M. Lighting
(To Remain)

(Not Field Located)

To Remain

I-24 / I-69

TO NASHVILLE →

To Remain

To Remain

To Remain

Paved Ditch (To Remain)

(Not Field Located)

H.M. Lighting
(To Remain)

Asphalt

55+00

W.W. Fence (Remove)

EXIST.R/W & CA LINE

RT.2664+00 END 4 RAIL FENCE

RT. 2655+89 TO RT. 2664+00 I-24
REMOVE 905 LF OF RW FENCE.

RT. 2655+89 TO RT. 2664+00 I-24 CONST.
905 LF OF 4-RAIL DECORATIVE FENCE.

EXIST. PERM. DRAINAGE ESMT.

TEL

SCALE: 1"=50

I-24
2655+00 - END PROJECT

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18B.DGN

USER: rsullivan
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R18C

DATUM 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

EXIST I-24

368.2 367.8 367.3 366.8 366.3 365.7 365.1 364.5 363.8 363.2 362.7 362.1 361.5 360.9 360.3 359.7 359.1 358.5 357.9 357.3 356.7 356.0 355.4 354.9 354.3 353.7

2655+00 6 7 8 9 2660+00 1 2 3 4 2665+00 6 7

353.1 352.6 352.1 351.7 351.4 351.0

8 9 2670+00

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

I-24
2655+00 - END PROJECT

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18C.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R18D

Lt. 36+40 To Lt. 43+00 US 62
Remove 698 LF Of CA Fence.

Lt. 36+40 To Lt. 43+00 US 62 Const.
698 LF Of 4-Rail Decorative Fence.

LONE VALLEY ROAD

POB 30+47.38

30+47

EXIST.R/W

TO CALVERT CITY

US 62

Asphalt

35+00

PI 36+39.18

1-FRAME-BRICK-BUS
BP GAS STATION

1-FR-BRICK-BUS
McDONALDS

40+00

1-FR-BRICK-BLK
WAFFLE HOUSE

SANMH

GAS REGULATOR

120' LT. 36+40
BEGIN EXIST.CA

W.W. Fence
(Remove)

120' LT. 41+90

Paved Ditch (To Remain)

PI OLD 62 PLANS

10
Z 372.680

TY A DBI

15" PIPE
3' FB. DT. A

Remove 245 S.Y. Paved Dt.

TEL JB

IP WC 2283

100' RT. 36+40
BEGIN EXIST.CA

1-FRAME-BUS
KFC (VACANT)

Rt. 36+30 Construct Sidewalk Ramp Type 3 / Condition No. 2.

Rt. 36+40 To Rt. 43+00 US 62
Remove 731 LF Of RW Fence.

Rt. 36+40 To Rt. 43+00 US 62 Const.
731 LF Of 4-Rail Decorative Fence.

Rt. 41+13 Construct Sidewalk Ramp Type 1.

Rt. 42+00 Construct Sidewalk Ramp Type 1.

42+50
290

MATCH LINE STA 43+00 (SHEET 17D)

MATCH SHEET 17A

SCALE: 1"=50

US 62
BEGIN TO 43+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18D.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R18E

DATUM 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

DATUM 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

EXIST US 62

373.2 372.9 372.7 372.0 371.1 370.2 369.0 367.6 366.2 364.9 363.6 362.3 361.0 359.6 358.2

36+00 36+50 37+00 37+50 38+00 38+50 39+00 39+50 40+00 40+50 41+00 41+50 42+00 42+50 43+00

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

US 62
BEGIN TO 43+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18E.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R18F

MATCH LINE STA 43+00

MATCH LINE STA 58+00

Lt. 48+00 To Lt. 48+14 US 62
Remove 635 LF Of CA Fence.

W.W. Fence (Remove)

Lt. 43+00 To Lt. 48+14 US 62 Const.
635 LF Of 4-Rail Decorative Fence.

DETENTION POND

GAS REGULATOR

SANMH

Asphalt

GRASS

(Not Field Located)

H.M. Lighting
(To Remain)

8'x4' RC Box
(To Remain)

To Remain

Guardrail (To Remain)

I-24 / I-69

TO NASHVILLE

TO PADUCAH

Paved Ditch (To Remain)

2651+09.86 I-24 =
49+86.42 US 62

2655+00

2650+00

2645+00

45+00

50+00

55+00

US 62

TY A DBJ

18" STORM SEWER PIPE

Rt. 43+50 Construct
Sidewalk Ramp Type 1.

Rt. 44+00 Construct
Sidewalk Ramp Type 1.

Rt. 53+85 Construct
Sidewalk Ramp Type 1.

Rt. 54+75 Construct
Sidewalk Ramp Type 1.

Lt. 56+97 To Lt. 58+00 US 62
Remove 103 LF Of RW Fence.

Lt. 56+97 To Lt. 58+00 US 62 Const.
103 LF Of 4-Rail Decorative Fence.

EXIST. PERM. DRAINAGE ESMT.

TEL JB

EL JB

Rt. 53+28 To Rt. 58+00 US 62 Const.
539 LF Of 4-Rail Decorative Fence.

Rt. 53+28 To Rt. 58+00 US 62
Remove 539 LF Of CA Fence.

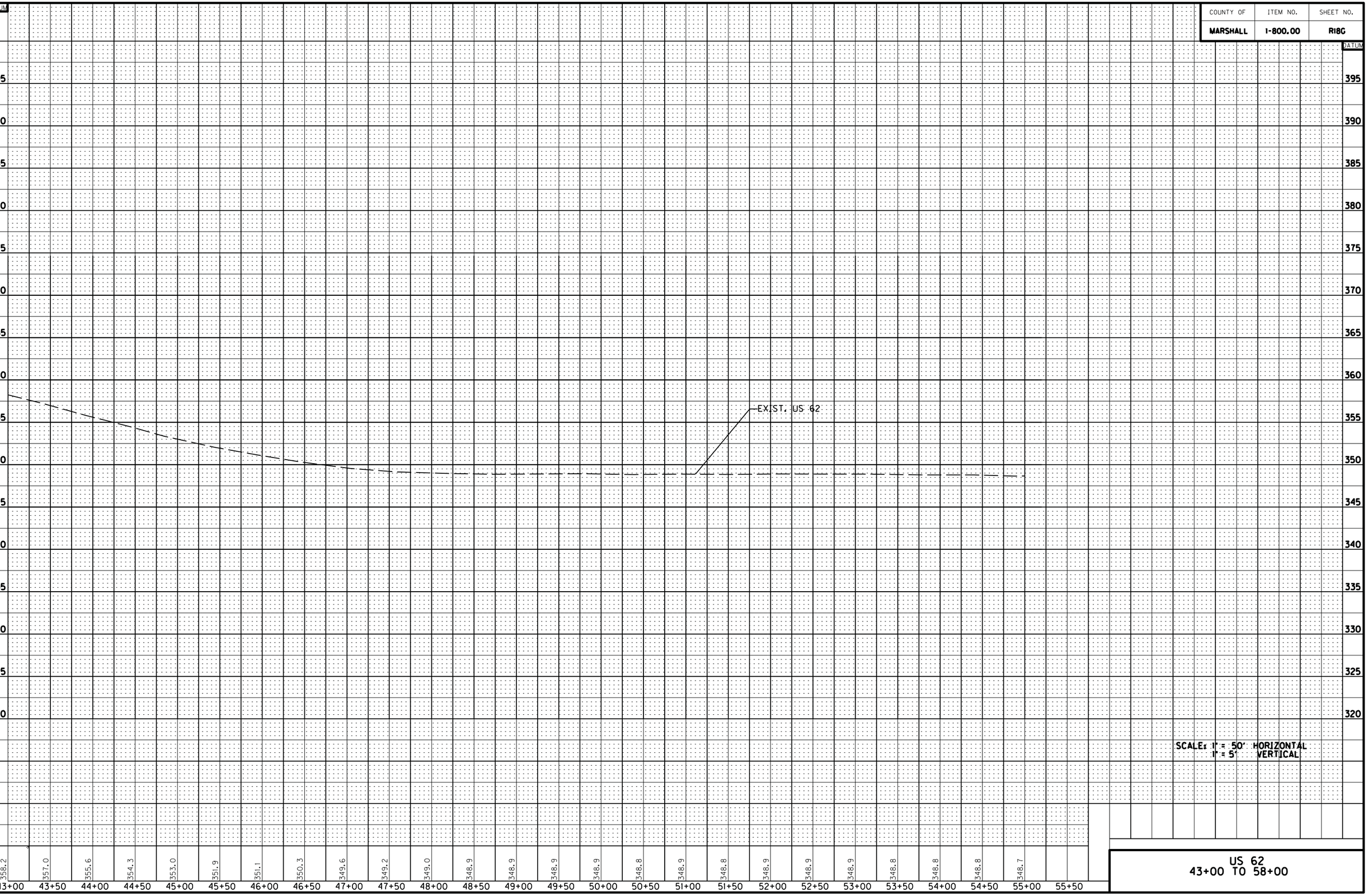
TRUCK PLAZA LN.

SCALE: 1"=50

US 62
43+00 to 58+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18F.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R18G



SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

US 62
43+00 TO 58+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18G.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R18H

Lt. 58+00 To Lt. 64+10 US 62
Remove 610 LF Of RW Fence.

Lt. 58+00 To Lt. 64+10 US 62 Const.
610 LF Of 4-Rail Decorative Fence.

LOVE AND CA

60+00

65+00

70+00

MARSH
WSE 341.2

LUV'S TRUCK STOP

GAS PUMPS

Asphalt Parking LOT

GRASS

100' LT. 64+10
END EXIST.CA
END 4 RAIL FENCE

W.W. Fence (Remove)

EXIST.R/W

Woven Wire

TEL JB

GLM

GV

SANMH

SAN

WV

YSWV

EL JB

EXIST.R/W

TEL JB

TEL JB

MATCH LINE STA 58+00

US 62

Asphalt

TO KY DAM

TY A DBI

18" STORM SEWER PIPE

TY A DBI

18" STORM SEWER PIPE

TY A DBI

18" STORM SEWER PIPE

To Remain

GM

Rt. 63+68 Construct Sidewalk
Ramp Type 3 / Condition No. 2.

EXIST.CA LINE

W.W. Fence (Remove)

WM

CALVERT CITY CORP. LIMITS

EXIST.R/W

TV JB

SAN

SANMH

Asphalt

130' RT. 64+10
END EXIST.CA
END 4 RAIL FENCE

WM

GLM

WM's

EL JB

EL JB

SANMH

EXIST.R/W

VACANT

LOT

ROCKY BRICK-BUS SUBWAY

Rt. 58+00 To Rt. 64+10 US 62
Remove 610 LF Of RW Fence.

Rt. 58+00 To Rt. 64+10 US 62 Const.
610 LF Of 4-Rail Decorative Fence.

SCALE: 1"=50

US 62
58+00 TO END

MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R18H.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R19

Lt. 5562+03.62 To Lt. 5565+00 SB 69
Const. 291 LF Of W.W. Fence Type 1

Mobilehome
Mobilehome
Gravel
RONNIE J.DOUGHTY
HAY
150' TVA TRANSMISSION LINE EASEMENT
TVA Tower
150' TVA TRANSMISSION LINE EASEMENT
Jericho Ln.
CONCRETE
EXIST. R/W
EL UB
Asphalt
EXIST. R/W
Lawn
1-S-BRICK RES.
WV
HENRY D. DOUGHTY
Barn
5555+00
5560+00
2556+58.11 EXIST. JC PKWY.
5560+19.87 SB I-69
BEGIN CONST.
24' LT. 5560+19.87 SB I-69=
BEGIN 300' TAPER
36' LT. 5563+19.87 SB I-69=
BEGIN PARALLEL LANE SB JC PKWY.
5562+03.34
135.13'
SB I-69
5562+03.62
105.41'
SB I-69
5564+01.00
132.00'
SB I-69
5563+97.88
102.00'
SB I-69
EXIST. 40' ESMT. FOR INGRESS/EGRESS
N 0°35'41" E 195.38'
N 10°28'25" E 99.91'
S 0°41'47" W 192.52'
S 10°28'47" W 101.04'
O.E. 363.57
EXIST. R/W & CA LINE
Paved Ditch
Paved Ditch (Remove)
300' TAPER
15" PIPE
15" CMP
FL 364.02
TG 368.58
FL 366.08
T.C. 370.58
F.L. 366.11
TO FULTON
SB I-69
N 5°56'37" E
NB I-69
N 2°54'21" E
N 5°56'37" E
N 5°25'15" W
N 1°24'29" E
300' TAPER
RAMP A
304+98.36
65.28'
RAMP A
MATCH LINE STA 1565+00
EXIST. R/W & CA LINE
1556+58.11 NB I-69
BEGIN CONST.
1556+58.11 NB I-69
BEGIN RW
18' RT. 2556+58.11 EXIST. JC PKWY.=
PC 1556+58.11 NB I-69
1556+58.11
111.07'
NB I-69
S 7°47'35" W 304.76'
R=139002.21' L 801.36'
N 1°59'28" E LC 801.25'
S 12°42'9" W 534.82'
300+00.00
105.00'
RAMP A
36' RT. 1559+58.11 NB I-69=
POT 300+00 RAMP A
1560+00
PROP. R/W & C/A W/FENCE
305+00
305+34.82
105.00'
RAMP A
TS 305+34.82
PI 1561+88.93
PI 1564+01.44

P/9
LAWANDA HOOVER

Rt. 1556+58 To Rt. 1564+18 NB I-69 Remove 756 LF Of Steel W Beam Guardrail.

NB I-69
PI STA 1564+01.44
Δ = 7°24'40" LT
Ts = 743.33'
Lc = 1484.58'
Os = 0°29'57.18"
R = 11477.16'
Es = 24.05'
e = R.C.
Runoff = 90'
Runout = 90'

Rt. 1556+58 To Rt. 1565+00 NB I-69 Remove 850 LF Of W.W. R/W Fence.

SCALE: 1"=50

NB I-69
BEGIN - 1565+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R19.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R20

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

BEGIN CONSTRUCTION
STA. 1556+58.11

VPI 1556+58.11
Elev 391.41

-1.63%

+60
F.L. 387.84

SPEC. "V" DT. LT.

+50
F.L. 386.37

-2.92%

VPI 1562+00.00
Elev 375.60

-2.99%

PVC 1562+50.00
Elev 374.10

L 1150 FT
SD 1601 FT
K 393.10

-1.18%

+60
F.L. 372.60

+00
F.L. 372.13

-1.60%

2' F.B. SPEC. DT. RT.
(PLOTTED 10' BELOW DATUM

+58
F.L. 368.00

SHEET TOTALS BEGIN TO STA. 1565+00	
COM	816 C.Y.
EMB BEN	853 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	1669 C.Y.
EMB	3168 C.Y.
EMB BEN	853 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	4021 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

7	8	9	1560+00	1	2	3	4	1565+00
390.13 / 390.19	388.64 / 388.73	387.14 / 387.27	385.67 / 385.81	384.16 / 384.35	382.65 / 382.89	381.14 / 381.43	379.65 / 379.97	378.18 / 378.51	376.67 / 377.05	375.16 / 375.60	373.67 / 374.10	372.25 / 372.64	370.84 / 371.24	369.50 / 369.90	368.21 / 368.63	367.00 / 367.42

NB I-69
BEGIN - 1565+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R20.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R21

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

Pond
WSE 361.9

NB I-69
PI STA 1564+01.44
Δ = 7°24'40" LT
Ts = 743.33'
Lc = 1484.58'
Os = 0°29'57.18"
R = 11477.16'
Es = 24.05'
e = R.C.
Runoff = 90'
Runout = 90'

PAUL E.PARROTT
MARY ETTA PARROTT
AND J.B.PARROTT

HENRY D. DOUGHTY
Cultivated

CHARLES D. DOUGHTY

5565+00.00
112.00'
SB I-69

5564+97.72
82.00'
SB I-69

5571+94.00
112.00'
SB I-69

5573+90.36
145.59'
SB I-69

5573+87.45
114.95'
SB I-69

5571+96.62
82.00'
SB I-69

EXIST.40' ESMT.FOR INGRESS/ EGRESS
TEMP.EASEMENT FOR SLOPE CONST.
EXIST.R/W & CA LINE
S 30°31'3" E 693.78'
N 30°10'W 687.10'
N 14°59'36" W 191.88'
S 15°04'06" E 192.67'
S 90°00'00" E
30.78'
PT 4573+19.87 (3 LANES)
24' LT. 5574+23.72 SB I-69=
POT 4574+27.57 SB J.C. PKWY.
24' LT 4577+27.57 JC PKWY.
END 300' TAPER
TS 5577+59.98
Woven Wire
SB J.C. PKWY.
300' TAPER
1000' PARALLEL LANE
SB I-69
NB I-69
N 5°25'15" W
N 4°30'20" W
N 6°02'05" W
MATCH LINE STA 1565+00
MATCH LINE STA 1580+00
T.G. 356.80
F.L. 351.00
TG 353.45
FL 351.00
TG 351.62
FL 348.92
T.G. 345.48
F.L. 348.90
TG 351.21
FL 348.96
Asphalt
REMOVE
15' CMP
FL 346.86
FL 350.36
15" CMP
15" PIPE
O.E. 350.08
O.E. 347.90
15" CMP
FL 348.12
15" PIPE
N 1°24'29" E
N 3°10'39" W 656.02'
N 12°48' E 253.72'
N 3°41'22" W 778.59'
EXIST.R/W & CA LINE
4570+00
4575+00
4580+00
5570+00
5575+00
5580+00
310+00
315+00
1570+00
1575+00
305+97.14
30.37'
RAMP A
306+49.82
125.00'
RAMP A
313+49.81
125.00'
RAMP A
S 12°16'48" W
112.88'
SC 306+49.82
PROP.R/W & C/A W/FENCE
150' TVA TRANSMISSION LINE EASEMENT
150' TVA TRANSMISSION LINE EASEMENT
P.I.=315.00
L=641.29'
S 28°28'24" W
LC 642.50
CS 313+49.81
ST 314+64.81
N 34°23'03" E 480.03'
RAMP A
TS 315+71.24
SC 317+15.24
CULTIVATED
TVA Tower
Rt. 1565+00 To Rt. 1580+00 NB I-69
Remove 1492 LF Of W.W. R/W Fence.
P/9
LAWANDA HOOVER
1572+02.85
81.84
NB I-69
1574+55.24
107.79
NB I-69
PT 1571+42.69
TS 1575+82.55
SC 1578+52.55
15'

NB I-69
PI STA 1592+04.43
Δ = 71°14'12" RT
Ts = 1621.88'
Ls = 270.00'
Lc = 2308.64'
Os = 2°45'46.23"
R = 2074.00'
Es = 479.12'
e = 6.0%
Runoff = 270'
Runout = 90'

SCALE: 1"=50

NB I-69
1565+00 - 1580+00

MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R21.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R22

L T. STA. 570+01 CONST. I-
061 TYPE SB (H=5.88') &
15" CULVERT PIPE

L T. STA. 573+01 CONST. I-
061 TYPE SB (H=5.58') &
15" CULVERT PIPE

SHEET TOTALS STA. 1565+00 TO STA 1580+00	
COM	1298 C.Y.
EMB BEN	488 C.Y.
SURF DT	1480 C.Y.
TOTAL EXC	3266 C.Y.
EMB	4507 C.Y.
EMB BEN	488 C.Y.
GRANULAR EMB	319 C.Y.
TOTAL EMB	5314 C.Y.

L 1150 FT
SD 1601 FT
K 393.10

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	5.8	357.15
CHECK	100	6.2	357.20

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	2.7	354.73
CHECK	100	2.8	354.78

T.G. 356.80
PLOTTED 10' ABOVE DATUM
F.L. 351.00

T.G. 354.48
PLOTTED 10' ABOVE DATUM
F.L. 348.90

PVT 1574+00.00
Elev 356.53

-0.06%

PROPOSED SUBGRADE

TRANSVERSE BENCHING
STA. 1578+85 TO 1581+90
1,999 CY (SEE GEOTECHNICAL NOTE x)

EXIST. 15" CMP (REMOVE)

EXIST. 15" CMP

EXIST. 15" CMP

VPI 1568+25.00
Elev 356.91

+50
F.L. 357.00

-5.00%

2' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 349.50

-0.60%

+00
F.L. 347.70

-0.50%

2' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 344.20

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

1565+00	6	7	8	9	1570+00	1	2	3	4	1575+00	6	7	8	9	1580+00
367.00	364.68	363.62	362.69	361.91	360.97	360.21	359.42	358.76	358.22	357.67	357.20	356.82	356.57	356.30	356.05	355.90	355.85	355.81	355.81	355.80	355.76	355.81	355.84	355.71	355.61	355.48	355.32	355.10	353.8
367.42	365.19	364.17	363.22	362.33	361.50	360.74	360.04	359.40	358.83	358.32	357.87	357.49	357.17	356.92	356.73	356.60	356.53	356.50	356.47	356.44	356.40	356.37	356.34	356.31	356.27	356.24	356.21	356.18	356.15
366.27																													

NB I-69
1565+00 - 1580+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R22.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R23

CHARLES D. DOUGHTY

EXIST. R/W & CA LINE

1000' PARALLEL LANE

N 6°02'05" W

I.E. 343.84

48" PIPE

FL 343.77

FL 344.09

I.E. 344.12

30" PIPE

SB J.C. PKWY.

FL 342.67

1'

N 4°52'10" W

DBL. 20' X 8' BOX

JULIAN CARROLL PKWY.

N 5°25'15" W

Remove 1775 S.Y. Pavement

TG 351.96
FL 349.81
15" CMP

T.G. 348.75
F.L. 344.75

T.G. 349.30
F.L. 345.60
30" CMP

18" PIPE

O.E. 342.19

FL 342.19

N 4°30'20" W

Remove 443 S.Y. Pavement

5588+35.69
61.80'
SB I-69

5589+60.53
93.61'
SB I-69

5589+05.65
82.49'
SB I-69

5590+24.71
93.68'
SB I-69

5590+96.10
87.54'
SB I-69

5591+67.80
78.53
SB I-69

T.G. 346.00
F.L. 343.00

Conc. Wedge Curb

N 66°43'53" E

335+00

E 11+335.35

FL 344.17

36" PIPE
(Remove)

FL 343.66

I.E. 343.18

E 17+339.73

36" PIPE

OH Sign

FL 343.08

30"

O.E. 342.97

200' 100 : 1 Sh. Taper

48" CMP

FL 342.85

5585+00

24'

1'

O.E. 340.06

5587+53.67
5.50'
SB I-69

N 34°22'W 50.15'

330+00

36" PIPE

200' 100 : 1 Sh. Taper

Conc. Wedge Curb

5590+00

EXIST.PERM.
DRAINAGE ESMT.

O.E. 342.40

SB I-69

5589+37.89 SB I-69=
331+69.48 RAMP A

MATCH LINE STA 1580+00

I.E. 351.75
F.L. 348.75

24'

18" PIPE

O.E. 345.68

1582+52.22
49.14
NB I-69

I.E. 341.15

1588+07.59 NB I-69=
330+02.44 RAMP A

1585+00

S 26°18'18.22" E

P
9

LAWANDA HOOVER

Rt. 1580+00 To Lt. 1587+03 NB I-69
Remove 820 LF Of W.W. R / W Fence.

P
10

CLOVER LEAF REALTY,LLC

S 32°53'34.22" E

325+00

Conc. Wedge Curb

RAMP A

N 34°14'53" W

S 18°52'42" E 670.07'

15'

N 34°14'53" W

1590+00

200' 100 : 1 Sh. Taper

Conc. Wedge Curb

NB I-69

5595+00

24'

MATCH LINE STA 1595+00

1591+00.00
155.00'
NB I-69

R=1919.00
L 981.89 S 48°20'38" W
LC 971.21

PROP.R/W & CA W/FENCE

S 19°26'08" E 650.14'

Rt. 1591+00 To Rt. 1595+00 NB 69
Const. 370 LF Of W.W. Fence Type 1.

P
10

CLOVER LEAF REALTY,LLC

Wooded

LITTLE JOHN CREEK

NB I-69
PI STA 1592+04.43
Δ = 71°14'12" RT
Ts = 1621.88'
Ls = 270.00'
Lc = 2308.64'
Os = 2°45'46.23"
R = 2074.00'
Es = 479.12'
e = 6.0%
Runoff = 270'
Runout = 90'

Lt. 1586+60.50 To Lt. 1589+23 NB I-69 Construct 1 Type 1 End Treatment, 187.50 LF Of Steel W Beam Guardrail (Single Face) And 1 Guardrail Connector To Bridge End Type A. Const. 176 LF Of Concrete Wedge Curb..

Rt. 1586+06.50 To Rt. 1589+44 NB I-69 Construct 1 Type 1 End Treatment, 262.50 LF Of Steel W Beam Guardrail (Single Face) And 1 Guardrail Connector To Bridge End Type A. Const. 256 LF Of Concrete Wedge Curb..

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SCALE: 1"=50

NB I-69
1580+00 - 1595+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R23.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R24

L.T. STA. 1580+50 CONST. 1- DBL TYPE SB (H=3.50') & 18" CULVERT PIPE

STA. 1581+50 CONST. 1- PERF PIPE HWALL TY 4-4 INCH & NON-PERF PIPE 4 INCH

STA. 1586+40 CONST. 36" CULVERT PIPE @ 23° SKEW RT.

RAMP A

LITTLE JOHN CREEK

SHEET TOTALS STA 1580+00 TO STA 1595+00	
COM	860 C.Y.
EMB BEN	0 C.Y.
SURF DT	560 C.Y.
TOTAL EXC	1420 C.Y.
EMB	33357 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	16620 C.Y.
TOTAL EMB	49977 C.Y.

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	3.9	352.05
CHECK	100	4.2	352.10

T.G. 351.75

PLOTTED 10' ABOVE DATUM

F.L. 348.25

-0.06%

PROPOSED SUBGRADE

4" NON PERF. PIPE

TRANSVERSE BENCHING (SEE GEOTECHNICAL NOTES)

PVC 1583+25.00 Elev 355.93

L 100 FT SD 718 FT K 177.06

PVT 1584+25.00 Elev 356.15

VPI 1583+75.00 Elev 355.90

+00 F.L. 344.20

-0.50%

+50 F.L. 342.45

2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)

2' F.B. SPEC. DT. RT. (PLOTTED 10' BELOW DATUM)

-0.50%

+00 F.L. 341.20

+21.60%

36" PIPE

+50 F.L. 352.00

SPEC. "V" DT. RT. (PLOTTED 10' BELOW DATUM)

+00 F.L. 352.00

2' F.B. SPEC. DT. RT. (PLOTTED 10' BELOW DATUM)

-18.00%

+50 F.L. 343.00

-1.00%

+50 F.L. 342.00

2' F.B. SPEC. DT. RT. (PLOTTED 10' BELOW DATUM)

50 YR FLOOD 349.79

+50 F.L. 342.25

+0.50%

+00 F.L. 344.50

2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)

0.50%

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

1580+00	1	2	3	4	1585+00	6	7	8	9	1590+00	1	2	3	4	1595+00
353.8 / 356.15	351.8 / 356.11	349.6 / 356.08	347.5 / 356.05	346.0 / 356.02	345.5 / 355.98	345.9 / 355.95	347.9 / 355.94	345.6 / 356.04	346.8 / 356.28	345.2 / 356.53	345.7 / 356.78	344.4 / 357.03	344.6 / 357.28	344.7 / 357.53	344.7 / 357.78	345.1 / 358.03	348.3 / 358.28	347.1 / 358.53	346.1 / 358.78	346.0 / 359.03	347.1 / 359.28	346.1 / 359.53	345.5 / 359.78	345.2 / 360.03	345.0 / 360.28	344.9 / 360.53	344.6 / 360.78	344.5 / 361.03	344.3 / 361.28	344.2 / 361.53

NB I-69
1580+00 - 1595+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R24.DGN

USER: bvollmer
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R25

NB I-69
PI STA 1592+04.43
Δ = 71°14'12" RT
Ts = 1621.88'
Ls = 270.00'
Lc = 2308.64'
Os = 2°45'46.23"
R = 2074.00'
Es = 479.12'
e = 6.0%
Runoff = 270'
Runout = 90'

Rt. 1595+00 To Rt. 1610+00 NB 69 Const.
1441 LF Of W. W. Fence Type 1

Rt. 1602+60 To Rt. 1610+00 NB I-69
Remove 972 LF Of Chain Link Fence.

Rt. 1603+81.25 To Rt. 1610+00 NB I-69 Construct
1 Type 1 End Treatment, 568.75 LF Of Steel
W Beam Guardrail (Single Face). Const. 569
LF Of Concrete Wedge Curb.

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"=50

NB I-69
1595+00 - 1610+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R25.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R26

DATUM 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315

PVC 1596+25.00
Elev 362.15

L 250 FT
SD 830 FT
K 208.56

PVT 1598+75.00
Elev 364.90

VPI 1597+50.00
Elev 362.78

VPI 1608+00.00
Elev 380.61

0.50%

1.70%

1.60%

+0.50%

+0.50%

+0.50%

+00
F.L. 344.50

2' F.B. SURF. DT. RT.
(PLOTTED 0' BELOW DATUM)

ELECTRIC
X-ING

ELECTRIC
X-ING

+00
F.L. 352.00

SHEET TOTALS
STA. 1595+00 TO STA. 1610+00

COM	0 C.Y.
EMB BEN	0 C.Y.
SURF DT	9 C.Y.
TOTAL EXC	9 C.Y.
EMB	122960 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	26851 C.Y.
TOTAL EMB	149811 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R27

MATCH LINE STA 1610+00

WB I-24
N 83°58'52" E
WB I-24 Diversion
Temp.Esm't. For Diversion
15' Clearing Limit
SC 2591+63.92
I.E. 354.39
60" CMP
R= 2585.18'
L 350.83' N 77°34'19" E
LC 350.56'
2595+00
TS 5621+82.40
EXIST.R/W & CA LINE
IP
SC 5624+28.40
12' LT. 5624+44.19 SB I-69
PT 2599+30.77 WB I-24
5625+00
5615+00
360' TAPER
TG 370.60
FL 368.05
TG 362.99
FL 359.99
I.E. 359.99
15' S.S.
F.L. 365.53
F.L. 361.53
14'
24'
SB I-69
N 68°45'41" E
24' S.S.
70 : 1 STRIPING TAPER
F.L. 365.79
F.L. 359.42
F.L. 366.48
F.L. 359.42
FL 351.43
12" CMP (REMOVE)
14' SH.
F.L. 367.17
F.L. 360.42
+25 APPROX. END RETAINING WALL
I.G. 365.25
F.L. 361.25
PI 2594+86.08
N 65°58'06" E
TG 365.00
FL 362.10
30" CMP
3595+00
5620+00
3600+00
Conc. Wedge Curb
60" PIPE
EXIST.R/W & CA LINE
I.R. 389.42
F.L. 351.20
FFL 355.24
F.L. 380.56
F.L. 386.56
15" S.S.
EB I-24
F.L. 388.66
F.L. 384.55
15" S.S.
+00 APPROX. END SHL'D. BARRIER WALL
F.L. 386.40
F.L. 382.08
Paved Ditch (Remove)
15" CMP (REMOVE)
I.G. 366.95
F.L. 359.56
FL 359.23
FL 358.99
1200' Inside Lane Taper @ 100 : 1
3390+00
Asphalt
REMOVE
NB I-69
Ticket Booth
EL JB
FL 356.49
Chain Link Fence (Remove)
SANMH TR 377.37 INV. NA
Gonc. Wedge Curb.
WM
Ticket Booth
Asphalt
Remove 461 S.Y. Pavement
W.W. Fence (Remove)
EXIST.R/W & CA LINE
O.E. 358.49
SANMH TR 378.74 INV. NA
Restroom
Grass
Gravel
Bench Stones
PROP.R/W & C/A W/FENCE
S 61°01'15" W 301.50'
1610+51.63
140.62'
NB I-69
1614+76.34
117.37'
NB I-69
1615+00
1615+54.27
109.57'
NB I-69
1616+00.00
105.00'
NB I-69
S 71°06'25" W 406.34'
P
10
R=3310.00
L=917.59 S 58°47'23" W
LC 914.65
PROP.R/W & C/A W/FENCE
Temp.Esm't For Scale Removal
CONCESSIONS SKYBOX
CONCESSIONS SKYBOX
1614+79.00
147.00'
NB I-69
Temp.Esm't For Bldg.Removal
1615+57.00
140.00'
NB I-69
C. Link Fence
S 89°14'16" E
CLOVER LEAF REALTY,LLC
1620+05.16
136.00'
NB I-69
24' RT. 3597+26.77 EB I-24=
POT 1620+05.16 NB I-69
BEGIN 1200' INSIDE LANE TAPER
EXIST.PERMANENT DRAINAGE ESM'T.
1610+12.00
183.00'
NB I-69
GRANDSTAND
Kentucky Lake Speedway
Dirt Track
BLEACHERS
C. Link fence
Gravel
N 37°49'11" E
150' TVA TRANSMISSION LINE EASEMENT

Lt. & Rt. 1610+00 To Rt. 1616+50 NB I-69
Remove 850 LF Of Chain Link Fence.

Lt. 1613+38 To Lt. 1614+83 NB I-69
Remove 336 LF Of Chain Link Fence.

Rt. 1610+00 NB I-69 To Rt. 3600+02.86 EB I-24
Construct 1281.25 LF Of Steel W Beam Guardrail (Single Face) And 1 Terminal Section No. 1
Const. 1280 LF Of Concrete Wedge Curb.

DITCH QUANTITIES									
LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

Rt. 1610+00 To Rt. 1620+05.16 NB 69 Const.
1008 LF Of W. W. Fence Type 1

SCALE: 1"=50

NB I-69
1610+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R27.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R28

DATUM 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330

PVC 1611+75.00
Elev 386.62

VPI 1615+00.00
Elev 391.82

PVT 1618+25.00
Elev 388.46

VPI 1620+05.16
Elev 386.60

END CONSTRUCTION
STA. 1620+05.16

1.60%

+1.00%

+2.00%

+50
F.L. 388.00

SPEC 'V' DT. LT.

+00
F.L. 389.50

-1.03%

+50
F.L. 384.00

650 FT
SD 735 FT
K 246.75

+5.00%

+00
F.L. 376.50

WATER
X-ING.

ELECTRIC
X-ING.

ELECTRIC
X-ING.

EXIST. 15"

+0.50%

+50
F.L. 374.00

-2.00%

+50
F.L. 375.00

+50
F.L. 373.00

+6.00%

2' F.B. SURF. DT. RT.
(PLOTTED 15' BELOW DATUM)

2' F.B. SURF. DT. RT.
(PLOTTED 15' BELOW DATUM)

-4.00%

-1.00%

-3.00%

+50
F.L. 365.00

+50
F.L. 364.00

+05
F.L. 362.35

+50
F.L. 362.00

10.00%

+50
F.L. 352.00

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R29

DONALD R.KILBY
AND SHIRLEY J.KILBY

TVA Tower

MOBILEHOME

SHED

MOBILEHOME

Gravel

Wooded

2550+00

18' LT. 2550+50.53 EXIST. JC PKWY.=
PC 5550+50.53 PROP. SB I-69

SB I-69
PI STA 5561+88.93
Δ = 11°21'52" LT
Ts = 1138.40'
Lc = 2269.34'
Os = 0°30'02.83"
R = 11441.16'
Es = 56.50'
e = R.C.
Runoff = 90'
Runout = 90'

RONNIE J.DOUGHTY

150' TVA TRANSMISSION LINE EASEMENT

TVA Tower

5555+00

2556+58.11 EXIST. JC PKWY.

EXIST. R/W & CA LINE

Woven Wire

5556+50 SB I-69
BEGIN CONST.

Remove 35 S.Y. Paved Dt.

FL 400.21

Const. 38 LF Edge Key

10'
24'

Paved Dt. (To Remain)

← TO FULTON

SB I-69

N 5°56'37" E

N 2°54'21" E

24'

MATCH LINE STA 5560+00

JULIAN CARROLL PKWY.

TG 403.88
FL 401.38

NB I-69

Const. 38 LF Edge Key

24'
10'

12'

Guardrail (Remove)

300' TAPER

Begin Guardrail Removal

18" CMP

FL 387.54

EXIST. R/W & CA LINE

S 7°47'35" W 304.76'
PROP. R/W & C/A W/FENCE

1556+58.11 NB I-69
BEGIN CONST.

1556+58.11
109.87'
NB I-69

300+00.00
105.00'
RAMP A

18' RT. 2556+58.11 EXIST. JC PKWY.=
PC 1556+58.11 NB I-69

36' RT. 1559+58.11 NB I-69=
POT 300+00 RAMP A

P/9

LAWANDA HOOVER

1556+58.11 NB I-69
BEGIN R/W

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"=50

SB I-69
BEGIN - 5560+00

MicroStation v8.11.9.459 E-SHEET NAME: USER: rsullivan DATE PLOTTED: August 3, 2015 FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R29.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R30

DATUM 440 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345

VPI 5550+50.53
Elev 409.70

EXIST. 18" CMP

-3.02%

VPI 5556+50.00
Elev 391.61

BEGIN CONSTRUCTION
STA. 5556+50.00

-2.87%

SHEET TOTALS
BEGIN TO STA. 5560+00

COM	102 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	102 C.Y.

EMB	91 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	91 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

5550+00	1	2	3	4	5555+00	6	7	8	9	5560+00
408.22	406.75	405.19	403.66	402.20	400.65	399.15	397.65	396.17	394.67 **394.63**	393.16 **393.12**	391.64 **391.61**	390.09 **390.18**	388.54 **388.74**	387.00 **387.31**	385.52 **385.87**	384.05 **384.44**	382.55 **383.00**	381.04 **381.57**

SB I-69
BEGIN - 5560+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R30.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R31

5560+19.87 SB I-69
BEGIN CONST.

SB I-69
PI STA 5561+88.93
Δ = 11°21'52" LT
Ts = 1138.40'
Lc = 2269.34'
Os = 0°30'02.83"
R = 11441.16'
Es = 56.50'
e = R.C.
Runoff = 90'
Runout = 90'

Lt. 5562+03 To Lt. 5573+88 SB I-69
Remove 1180 LF Of W.W. R / W Fence.

Lt. 5562+03 To Lt. 5573+88 SB 69
Const. 1 180 LF Of W.W. Fence Type 1

P/7
HENRY D. DOUGHTY

I-BRICK/ STONE-RES
I-FRAME VINYL-GAR.
CONCRETE
LAWN
I-S-BRICK RES.
TEL JB
EXIST. R/W
Pond
WSE 361.9
Cultivated
BARN
HAY
150' TVA TRANSMISSION LINE EASEMENT
24' LT. 5560+19.87 SB I-69= BEGIN 300' TAPER
36' LT. 5563+19.87 SB I-69= BEGIN PARALLEL LANE SB JC PKWY.
24' LT. 5574+23.72 SB I-69= POT 4574+27.57 SB JC PKWY.
MATCH LINE STA 5560+00
MATCH LINE STA 5575+00
5562+03.34 135.13' SB I-69
5562+03.62 105.41' SB I-69
5563+97.88 102.00' SB I-69
5564+01.00 132.00' SB I-69
5564+97.72 82.00' SB I-69
5565+00.00 112.00' SB I-69
5571+94.00 112.00' SB I-69
5571+96.62 82.00' SB I-69
5573+90.36 145.59' SB I-69
5573+87.45 114.95' SB I-69
EXIST.40' ESMT.FOR INGRESS/EGRESS
PROPOSED TEMP. EASEMENT FOR SLOPE CONST.
EXIST.R/W & CA LINE
W.W. Fence (Remove)
Remove 233 S.Y. Paved Dt.
300' TAPER
15" PIPE
15" CMP
Paved Dt. (To Remain)
1000' PARALLEL LANE
SB I-69
NB I-69
RAMP A
PROP.R/W & C/A W/FENCE
150' TVA TRANSMISSION LINE EASEMENT
TVA Tower
O.E. 363.52
O.E. 350.08
O.E. 347.90
T.C. 370.58 F.L. 366.11
T.C. 356.80 F.L. 351.00
T.C. 345.48 F.L. 348.90
PI 5564+88.93
PI 1564+01.44
TS 305+34.82
SC 306+49.82
CS 313+49.81
PT 5573+19.87 (3 LANES)
PT 1571+42.69
304+11.69 67.68' RAMP A
304+98.36 65.28' RAMP A
305+97.14 30.37' RAMP A
306+28.34 27.03' RAMP A
306+49.82 125.00' RAMP A
305+34.82 105.00' RAMP A
313+49.81 125.00' RAMP A
1572+02.85 81.84 NB I-69
1574+55.24 107.79 NB I-69
P/9 LAWANDA HOOVER
Rt. 5574+30 To Lt. 5575+00 SB I-69
Remove 70 LF Of Steel W Beam Guardrail.

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SCALE: 1"=50

SB I-69
5560+00 - 5575+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R31.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R32

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

VPI 5560+50.00
Elev 380.13

PVC 5562+37.50
Elev 374.54

-2.87%

-2.98%

+50
F.L. 372.75

4.00%

EXIST. 15" CMP

6' F.B. SURF. DT. LT.

2.50%

-0.50%

-1.50%

+50
F.L. 364.75

+00
F.L. 363.50

+50
F.L. 363.25

+50
F.L. 361.75

T.C. 370.58

PLOTTED 10' BELOW DATUM

F.L. 366.08

6' F.B. SPEC. DT. LT.

L 1225 FT
SD 1683 FT
K 416.97

VPI 5568+50.00
Elev 356.30

-2.98%

-0.04%

-1.00%

+00
F.L. 355.00

-1.45%

6' F.B. SPEC. DT. LT.

+00
F.L. 352.00

+24
F.L. 348.74

PVT 5574+62.50
Elev 356.05

+0.50%

-0.50%

+96
F.L. 354.48

+00
F.L. 355.00

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 354.50

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	8.2	371.08
CHECK	100	8.8	371.13

SHEET TOTALS
STA. 5560+00 TO STA 5575+00

COM	2146 C.Y.
EMB BEN	0 C.Y.
SURF DT	434 C.Y.
TOTAL EXC	2580 C.Y.
EMB	2753 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	2753 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R33

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

5584+18 SB I-69 Remove OH Sign Truss, Sign Panels, Sign Support Foundations, And 2 Existing Crash Cushions.

PAUL E.PARROTT
MARY ETTA PARROTT
AND J.B.PARROTT

CHARLES D. DOUGHTY

Cultivated

Woven Wire

EXIST.R/W & CA LINE

EXIST.PERM.DRAINAGE ESMT.

4580+00

4585+00

4590+00

5580+00

24' LT 4577+27.57 SB JC PKWY.
END 300' TAPER

TS 5577+59.98

SC 5580+29.98

24' LT 4587+27.57 SB JC PKWY.
END 1000' LANE

PI 4587+99.84
Delta= 1°09'55" RT

High Mast Lighting (Remove)

300' TAPER

1000' PARALLEL LANE

1200' PAVEMENT TAPER @ 50:1

MATCH LINE STA 5575+00

I.E. 343.84
FL 343.77
48" PIPE

FL 344.09
I.E. 344.12
30" PIPE

FL 342.67

N 6°02'05" W

N 4°52'10" W

SB PKWY.

DBL 20'X8' BOX

Asphalt

N 5°25'15" W

Remove 1775 S.Y. Pavement

JULIAN CARROLL PKWY.

TG 351.96
FL 349.81
15" CMP

T.G. 349.30
F.L. 343.60
Asphalt

OH Sign

30" CMP

TG 351.21
FL 348.96

N 4°30'20" W

T.G. 351.75
F.L. 348.25

Asphalt

T.G. 348.75
F.L. 344.75

354.920

N 4°30'20" W

Remove 443 S.Y. Pavement

5589+05.65
82.49'
SB I-69

15" CMP
FL 346.86

48" CMP
FL 342.85

FL 343.08

30"

O.E. 342.97

SB I-69

200'-100'-0 Sh. Taper

O.E. 342.19

FL 342.19

5588+55.69
61.80'
SB I-69

T.G. 346.00
F.L. 343.00

18" PIPE

N 12°35'32" E
58.30'

5589+60.53
93.61'
SB I-69

N 25°12'01" E
67.12'

N 3°47'22" W 778.59'

EXIST.R/W & CA LINE

18" PIPE

O.E. 345.68

1582+52.22
49.14'
NB I-69

N 3°47'22" W 501.15'

O.E. 340.06

36" PIPE

5587+53.67
5.50'
SB I-69

NB I-69

1588+07.50 NB I-69
330+02.44 RAMP A
I.E. 341.15

200'-100'-0 Sh. Taper

Conc. Wedge

MATCH LINE STA 5590+00

TS 1575+82.55

SC 1578+52.55

1580+00

1585+00

5585+00

5590+00

SC 317+15.24

325+34.22

ST 326+18.22

Rt. 5575+00 To Lt. 5588+33 SB I-69
Remove 1350 LF Of Steel W Beam Guardrail.

Cultivated

P 9

LAWANDA HOOVER

320+00

325+00

RAMP A

N 34°14'53" W

Conc. Wedge Curb

P 10

CLOVER LEAF REALTY,LLC

SB I-69
PI STA 5594+45.99
Δ = 74°10'56" RT
Ts = 1686.01'
Ls = 270.00'
Lc = 2384.19'
Os = 2°47'41.70"
R = 2050.00'
Es = 521.82'
e = 6.0%
Runoff = 270'
Runout = 90'

Lt. 5588+25 To Lt. 5590+00 SB I-69
Remove 188 LF Of W.W. R / W Fence.

Lt. 5588+36 To Lt. 5590+73.50 SB I-69 Construct 1 Type 1 End Treatment, 162.50 LF Of Steel W Beam Guardrail (Single Face) And 1 Guardrail Connector To Bridge End Type A. Const. 154 LF Of Concrete Wedge Curb.

Rt. 5588+59 To Rt. 5591+15.25 SB I-69 Construct 1 Type 1 End Treatment, 181.25 LF Of Steel W Beam Guardrail (Single Face) And 1 Guardrail Connector To Bridge End Type A. Const. 167 LF Of Concrete Wedge Curb.

SCALE: 1"=50

SB I-69
5575+00 - 5590+00

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan | DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R33.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R34

SHEET TOTALS STA. 5575+00 TO STA. 5590+00	
COM	3927 C.Y.
EMB BEN	0 C.Y.
SURF DT	64 C.Y.
TOTAL EXC	3991 C.Y.
EMB	9158 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	3110 C.Y.
TOTAL EMB	12268 C.Y.

L 75 FT
SD 777 FT
K 193.51

PVC. 5581+87.50
Elev 355.75

VPI 5582+25.00
Elev 355.73

PVT. 5582+62.50
Elev 355.86

STA. 5586+00 CONS. 1- PERF PIPE HWALL TY 1-4 INCH & NON-PERF PIPE 4 INCH

LT. STA. 5587+00 CONST. 1- 001 TYPE SD-HH4-001-8 15" CULVERT PIPE

LT. STA. 5588+50 CONST. 1- 001 TYPE SD-HH3-001-8 18" CULVERT PIPE

RAMP A

+00
F.L. 357.00

+18.00%

SPEC. "V" DT. LT.
(PLOTTED 20' ABOVE DATUM)

+2.00%

+50
F.L. 348.00

+50
F.L. 346.00

+50
F.L. 354.00

-3.50%

+0.50%

+00
F.L. 348.75

SPEC. "V" DT. LT.
(PLOTTED 20' ABOVE DATUM)

+40
F.L. 348.95

LITTLE JOHN CREEK

PROPOSED SUBGRADE

0.35%

-0.04%

-0.04%

4" NON PERF. PIPE
T.G. 348.75

50 YR FLOOD 348.84

T.G. 346.00

F.L. 344.75

F.L. 343.00

TRANSVERSE BENCHING
STA 5583+20 TO 5586+25
1,352 CY (SEE GEOTECHNICAL NOTE x)

EXIST. 48" CMP

EXIST. 30" CMP

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (FT)
DESIGN	50	2.2	348.95
CHECK	100	2.3	349.00

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (FT)
DESIGN	50	7.6	346.60
CHECK	100	8.1	346.65

+00
F.L. 354.50

-0.50%

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

+50
F.L. 350.75

-5.50%

SPEC. "V" DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 342.50

0.50%

2.50%

-0.50%

+50
F.L. 341.25

4' F.B. SPEC. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 340.00

+50
F.L. 339.25

4' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM

+00
F.L. 341.65

+0.40%

+00
F.L. 341.85

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

355.64	355.54	355.53	355.37	355.27	355.29	355.24	355.09	354.70	354.37	353.88	353.30	352.66	354.67	355.31	355.55	355.61	355.30	354.85	354.17	352.8	350.4	347.3	345.5	346.1	349.1
356.03	356.01	355.99	355.97	355.95	355.93	355.91	355.89	355.87	355.85	355.82	355.80	355.78	355.76	355.75	355.82	355.99	356.16	356.34	356.51	356.68	356.86	357.03	357.20	357.38	357.55
5575+00	6	7	8	9	5580+00	1	2	3	4	5585+00	6	7	8	9	5590+00										

341.5	347.1	346.8	347.3	347.8
357.72	357.90	358.07	358.24	358.42
8	9	5590+00		

SB I-69
5575+00 - 5590+00

DATUM 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R34.DGN
USER: bvollmer
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R35

SB I-69
PI STA 5594+45.99
Δ = 74°10'56" RT
Ts = 1686.01'
Ls = 270.00'
Lc = 2384.19'
Os = 2°47'41.70"
R = 2050.00'
Es = 521.82'
e = 6.0%
Runoff = 270'
Runout = 90'

Lt. 5590+00 To Lt. 5605+00 SB I-69
Remove 1626 LF Of W.W. R / W Fence.

N 68°45'41" E

Asphalt

GRASS

Grass

Diversion No. 1

RAMP A

N 66°43'53" E

Remove 3646 S.Y. Pavement

Remove 1028 LF of Steel W Beam Guardrail

Flume (Remove)

Flume (Remove)

36" PIPE
FL 344.17

Conc. Wedge Curb

5590+96.00
78.54'
SB I-69

5591+67.80
78.53
SB I-69

5590+24.71
93.68'
SB I-69

I.E. 343.18

FL 343.66

15 333+61.13

N 37°26'26" E
74.82'

N 02°18' E
78.54'

36" PIPE

24'

SB I-69

EXIST.PERM.
DRAINAGE ESM'T.

MATCH LINE STA 5590+00

11 Sh. Taper

15'

O.E. 342.40

200' (100 + 11 Sh. Taper

NB I-69

5595+00

5600+00

N 66°43'53" E

N 38°55'02" E 1050.58'

N 68°45'41" E

I.E. 348.41

24" PIPE

O.E. 346.31

5601+62.84
175.52'
SB I-69

Remove 229 S.Y. Paved Dt.

CS 3577+95.21

ST 3578+12.26

R=1949.00'
194.35' N 67°11'45" E
LC 369.08'

5601+74.18
153.80'
SB I-69

EB I-24

MATCH LINE STA 5605+00

CS 5604+74.74

PP

1590+00

1595+00

1600+00

PROP.R/W &
C/A W/FENCE

PROP.R/W &
C/A W/FENCE

R=1919.00'
L 981.89' S 48°20'38" W
LC 971.21'

1591+00.00
155.00'
NB I-69

1601+61.20
155.00'
NB I-69

CS 1601+61.20

S 65°26'08" W 928.90'

PP

LITTLE JOHN CREEK

P/10

CLOVER LEAF REALTY, LLC

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"=50

SB I-69
5590+00 - 5605+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R35.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R36

STA. 5591+27 CONST. 36" CULVERT PIPE

STA. 5601+00 CONST. 24" CULVERT PIPE

+50
F.L. 359.00

-2.00%

SPEC "V" DT. LT.
(PLOTTED 20' ABOVE DATUM)

+00
F.L. 347.00

-2.00%

+50
F.L. 346.00

+1.95%

+50
F.L. 355.75

-3.50%

+50
F.L. 350.25

-0.50%

+00
F.L. 348.50

SPEC "V" DT. LT.
(PLOTTED 20' ABOVE DATUM)

+2.00%

+00
F.L. 356.50

0.35%

24" PIPE

36" PIPE

+0.40%

+00
F.L. 347.85

+00
F.L. 341.85

4' F.B. DT. RT.
(PLOTTED 0' BELOW DATUM)

SHEET TOTALS STA. 5590+00 TO STA. 5605+00	
COM	232 C.Y.
EMB BEN	0 C.Y.
SURF DT	830 C.Y.
TOTAL EXC	1062 C.Y.
EMB	71664 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	23645 C.Y.
TOTAL EMB	95309 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

5590+00	1	2	3	4	5595+00	6	7	8	9	5600+00	1	2	3	4	5605+00
347.8	346.7	346.2	345.6	345.4	345.2	346.1	345.7	345.9	344.7	345.3	345.2	345.1	344.6	344.6	344.6
358.42	358.59	358.76	358.94	359.11	359.28	359.46	359.63	359.80	359.98	360.15	360.32	360.50	360.67	360.84	361.01
345.0	344.8	344.4	344.2	344.4	344.7	347.3	349.0	349.2							
361.19	361.36	361.53	361.71	361.88	362.05	362.23	362.40	362.57	362.75						

3	4	5605+00
349.8	349.9	350.0	350.0	350.5
362.92	363.09	363.27	363.44	363.61

SB I-69
5590+00 - 5605+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R36.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R37

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R37.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

WB I-24 RAMP
WB I-24 RAMP
15' Clearing Limit
N 87°42'12" E 627.64'
15' Clearing Limit
S 87°42'12" W 627.64'
Paved Ditch (Remove)
EXIST. R/W & CA LINE
Diversion No. 2
2004+00
WB I-24
24'
360'
15'
11'
12'
OH Sign
S 87°47'42" W
High Mast Lighting
Paved Ditch (Remove)
JULIE SMITH ROBERTSON AND DAVID E. SMITH, JR.
Temp. Esmt. For Diversion
N 80°42'12" E 12.70'
2589+01.64
247.80'
WB I-24
TS 2589+15.23
N 65°05'39" W 60.25'
DAVID J. WAGNER AND SHERRI A. VAN HORN
2591+61.91
219.10'
WB I-24
N 89°45'12" E 252.05'
S 89°45'12" W 252.05'
2589+00.33
187.62'
WB I-24
Temp. Esmt. For Diversion
SC 2591+63.92
15' Clearing Limit
R= 2585.18'
L 350.83' N 77°34'19" E
LC 350.56'
2591+57.76
159.04'
WB I-24
FL 354.39
R= 2678.34'
L 343.06' S 77°34'12" W
LC 342.78'
WB I-24
360' TAPER
TG 370.60
FL 368.05
5'
12'
12'
24'
5615+00
60" CMP
5600+00
MATCH LINE STA 5605+00
5605+36.67
14.95'
SB I-69
N 79°48'20" E 495.24'
5607+22.79
136.88'
SB I-69
EB I-24
TS 3582+99.61
S 89°14'16" E
4" Sh.
200' 100 : 11 Sh. Taper
EXIST. R/W & CA LINE
N 86°20'15" E 956.14'
3585+00
SC 3585+21.61
TG 379.51
FL 377.06
15" CMP (BROKEN) (REMOVE)
T.G. 361.50
F.L. 357.50
24" S.S.
FL 361.20
15" S.S.
N 83°58'52" E
24" S.S.
24" S.S.
F.L. 363.71
F.L. 353.78
F.L. 364.31
F.L. 355.53
F.L. 365.53
F.L. 361.53
14'
N 68°45'41" E
SB I-69
24" S.S.
70 : 1 STRIPING TAPER
14'
24" S.S.
24" S.S.
14' SH.
F.L. 364.40
F.L. 354.42
24" PIPE
25.4 SH. TAPER
24" PIPE
O.E. 352.96
O.E. 354.16
O.E. 350.05
Gravel
60" PIPE
Conc. Wedge Curb
N 86°20'15" E 956.14'
EXIST. R/W & CA LINE
60" PIPE
F.L. 365.79
F.L. 358.42
FL 351.43
F.L. 366.48
F.L. 359.42
12" CMP (REMOVE)
FL 367.03
F.L. 367.17
F.L. 360.42
+25 APPROX. END RETAINING WALL
T.G. 365.25
F.L. 361.25
15" S.S.
14' SH.
F.L. 390.56
F.L. 386.56
15" S.S.
F.L. 388.66
F.L. 384.55
5590+00
5595+00
MATCH LINE STA 5620+00
5610+00
Maintenance Shed
Gravel Parking
ST 5606+84.17
Chain Link (Remove)
Asphalt
Ticket Booth
EL JB
N 66°43'53" E
NB I-69
F.R. 389.42
F.L. 351.20
FL 355.24
15" CMP (REMOVE)
1614+50.20
11.60'
NB I-69
1615+92.85
8.06'
NB I-69
TEL JB
N 68°09'16" E 142.69'
Chain Link (Remove)
Conc. Wedge Curb
WM
Conc. Wedge Curb
1605+00
1610+00
CLOVER LEAF REALTY, LLC
P/10
EL JB
FL 356.49
SANMH Top 377.37
SAN.
Restroom
Ticket Booth
1613+00.00
135.00'
NB I-69
SANMH Top 378.78
EL JB
S 61°01'15" W 301.50'
S 71°06'25" W 406.34'
Grass
Gravel
1614+76.34
117.37'
NB I-69
1614+79.00
147.00'
NB I-69
1615+54.27
109.57'
NB I-69
1616+00.00
105.00'
NB I-69
1615+57.00
140.00'
NB I-69
1615+00
Temp. Esmt. For Bldg. Removal
S 89°14'
PROP. R/W & C/A W/FENCE
S 65°26'08" W 1128.90'
PROP. R/W & C/A W/FENCE
1609+66.50
142.54'
NB I-69
Temp. Esmt. For Slope Removal
1610+51.63
140.62'
NB I-69
1610+12.00
183.00'
NB I-69
WEIGH SCALE
OSTC
CONCESSIONS SKYBOX
CONCESSIONS SKYBOX
GRANDSTAND
Gravel
1604+31.20
Restrooms
Gravel Parking
WM

SB I-69
PI STA 5630+93.63
Δ = 30°56'30" LT
Ts = 911.22'(1)
Ts = 913.12'(2)
Ls = 246.00'(1)
Ls = 250.00'(2)
Lc = 1289.37'
Os = 2°00'45.52"
R = 2846.79'
Es = 107.96'
e = 5.46%
Runoff = 246'
Runout = 90'

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	EL JB ECB (SY)

Kentucky Lake Motor Speedway Dirt Track

Lt. 5605+00 To Rt. 5620+00 SB I-69
Remove 1555 LF Of W.W. R / W Fence.

Lt. 5613+00 SB I-69 Construct 1 Crash Cushion Type IX
And 1 Conc. Median Barrier End For Crash Cushion Type IX.

Rt. 5618+25 SB I-69 Construct 1 Crash Cushion Type IX
And 1 Conc. Median Barrier End For Crash Cushion Type IX.

SCALE: 1"=50

SB I-69
5605+00 - 5620+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R38

LT. STA. 5607+50 CONST. 1-CMBBI TYPE 14BI (H=10.01') & 24" CULVERT PIPE

LT. STA. 5609+25 CONST. 1-CMBBI TYPE 14BI (H=8.78')

RT. STA. 5609+85 CONST. 1-CMBBI TYPE 14BI (H=9.98') & 24" CULVERT PIPE

LT. STA. 5611+00 CONST. 1-DBI TYPE (H=4.00') & 1-CMBBI TYPE 14BI (H=7.64') & 24" STORM SEWER PIPE

RT. STA. 5611+85 CONST. 1-CMBBI TYPE 14BI (H=8.68')

LT. STA. 5612+75 CONST. 1-CMBBI TYPE 14BI (H=4.00')

RT. STA. 5613+85 CONST. 1-CMBBI TYPE 14BI (H=7.37')

LT. STA. 5615+85 CONST. 1-CMBBI TYPE 14BI (H=7.06')

RT. STA. 5617+85 CONST. 1-CMBBI TYPE 14BI (H=6.75')

RT. STA. 5619+50 CONST. 1-DBI TYPE SF (H=4.00')

SHEET TOTALS STA. 5605+00 TO STA 5620+00	
COM	20237 C.Y.
EMB BEN	0 C.Y.
SURF DT	731 C.Y.
TOTAL EXC	20968 C.Y.
EMB	23565 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	6275 C.Y.
TOTAL EMB	29840 C.Y.

EB I-24

+50 F.L. 391.75

SPEC. "V" DT. LT. (PLOTTED 10' ABOVE DATUM)

+12.50%

+00 F.L. 356.50

+2.00%

+00 F.L. 360.50

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	9.3	362.10
CHECK	100	10.1	362.15

T.G. 361.50

F.L. 357.50

0.35%

F.L. 363.71

F.L. 364.31

F.L. 364.92

+50 F.L. 362.00

-1.00%

+0.50%

+00 F.L. 361.50

SPEC. "V" DT. LT

F.L. 365.53

F.L. 361.53

CONST. 1-I.S.S.

CONST. 24" S.S.

F.L. 357.28

F.L. 353.78

F.L. 355.53

F.L. 364.40

F.L. 365.10

+83 F.L. 376.50

EXIST. 60" CMP

F.L. 365.79

+9.00%

CONST. 24" S.S. (PLOTTED 10' BELOW DATUM)

F.L. 356.42

F.L. 354.42

F.L. 358.42

SPEC. "V" DT. RT. (PLOTTED 20' BELOW DATUM)

+0.40%

+00 F.L. 347.85

4' F.B. DT. RT. (PLOTTED 10' BELOW DATUM)

+50 F.L. 350.05

+3.00%

+00 F.L. 354.00

+50 F.L. 355.05

+50 F.L. 391.00

-4.00%

SPEC. "V" DT. RT.

+00 F.L. 389.00

-12.00%

+50 F.L. 383.00

-9.00%

+50 F.L. 378.00

-7.00%

-2.00%

+50 F.L. 371.00

+00 F.L. 370.00

-4.00%

-2.00%

+50 F.L. 368.00

-0.75%

+0.50%

+50 F.L. 366.00

+50 F.L. 365.25

+00 F.L. 365.50

PROPOSED SUBGRADE

+00 F.L. 364.00

TRANSVERSE BENCHING STA 5611+50 TO 5614+50 1,870 CY (SEE GEOTECHNICAL NOTE x)

F.L. 366.48

EXIST. 12" CMP

F.L. 367.17

T.G. 365.25

CONST. 24" S.S. (PLOTTED 10' BELOW DATUM)

F.L. 359.42

F.L. 360.42

F.L. 361.25

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	11.2	365.90
CHECK	100	11.9	365.95

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

5605+00	6	7	8	9	5610+00	1	2	3	4	5615+00	6	7	8	9	5620+00
350.5 / 363.61	350.0 / 363.79	349.9 / 363.96	349.2 / 364.13	350.1 / 364.31	350.1 / 364.48	351.0 / 364.65	352.7 / 364.83	354.9 / 365.00	353.9 / 365.17	354.5 / 365.34	356.9 / 365.52	358.0 / 365.69	359.3 / 365.86	359.0 / 366.04	359.6 / 366.21	361.0 / 366.38	363.8 / 366.56	366.7 / 366.73	369.4 / 366.90	372.6 / 367.08	374.4 / 367.25	376.8 / 367.42	377.22 / 367.60	376.33 / 367.77	374.86 / 367.94	373.29 / 368.12	371.30 / 368.29	369.57 / 368.46	368.07 / 368.64	366.69 / 368.81

SB I-69
5605+00 - 5620+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R38.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R39

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SB I-69
PI STA 5630+93.63
Δ = 30°56'30" LT
Ts = 911.22'(1)
Ts = 913.12'(2)
Ls = 246.00'(1)
Ls = 250.00'(2)
Lc = 1289.37'
Os = 2°00'45.52"
R = 2846.79'
Es = 107.96'
e = 5.4%
Runoff = 246'
Runout = 90'

Wooded

(P/3) SEAN HARRIS AND DEANNA HARRIS (WF.)

(P/4) MICHAEL G.MORROW AND SUSAN E.MORROW (WF.)

(P/5) CRAIG M.JOLLEY AND TERRI JOLLEY (WF)

(P/10) CLOVER LEAF REALTY,LLC

I-STY-FRAME-RES

GAR.

EXIST.60' ESMT.

EXIST.R/W & CA LINE

15' Clearing Limit

Temp.Esmt. For Diversion

Diversion No. 2

Paved Dt. (Remove)

Paved Ditch (Remove)

WB I-24

EB I-24

NB I-69

SB I-69

MATCH LINE STA 5620+00

MATCH LINE STA 5635+00

2595+00

5625+00

5630+00

3600+00

3605+00

3610+00

3620+00

2595+42.16
219.68'
WB I-24

2595+21.23
160.13'
WB I-24

TS 5621+82.40

2598+35.84
161.03'
WB I-24

SC 5624+28.40

12° LT. 5624+44.19 SB I-69=
PT 5599+30.77 WB I-24

5632+61.21
236.96'
SB I-69

5632+53.46
219.32'
SB I-69

5632+31.90
236.77'
SB I-69

5632+34.69
175.50'
SB I-69

3603+19.55
111.54'
EB I-24

3606+00.00
160.00'
EB I-24

3607+21.86
138.02'
EB I-24

1620+05.16
136.00'
NB I-69

TG 362.99
FL 359.99

I.E. 359.99

TG 365.00
FL 362.10

15" CMP (REMOVE)

30" CMP

T.G. 366.95
F.L. 359.96

FL 359.23

FL 358.99

O.E. 358.49

I.E. 376.37

24" S.S.

24" CMP

TG 379.47
FL 376.32

TG 381.39
FL 375.39

T.G. 383.70
F.L. 375.21

15" S.S.

F.L. 388.82

F.L. 384.82

15" S.S. 14" SH.

+72 APPROX. BEGIN BARRIER WALL

N 3°43'49" E

END SHLD. BARRIER WALL 14" SH.

1200' Inside Lane Taper @ 100 : 1

24" RT. 3597+26.77 EB I-24
POT. 1620+05.16 NB I-69
BEGIN 1200' INSIDE LANE TAPER

24" RT. 3595+39.11 EB I-24
END 1200' INSIDE LANE TAPER

24" PIPE

O.E. 373.99

24" CMP
FL 374.25

DBL 30" CMP

Z 387.590

R= 2678.34'
L 396.79' S 70°53'36" W
LC 396.64'

R= 2585.18'
L 108.23' N 61°42'09" E
LC 107.36'

R= 2585.18'
L 26.87' N 49°25'23" E
LC 26.87'

R= 2600.00'
L 831.80' S 58°48'15" W
LC 828.26'

R= 2600.00'
L 536.34' S 43°43'45" W
LC 535.39'

R= 3300.25'
L 1027.32' N 68°51'39" E
LC 1023.18'

R= 3300.00'
L 97.59' S 58°47'23" W
LC 97.65'

S 86°45'40" E

S 18°23'39" E

N 27°11'54" E

N 65°58'06" E

N 68°45'41" E

N 37°49'11" E

N 55°54'31" E 418.79'

S 39°58'06" W 129.49'

S 17°06'25" W 406.34'

PROP.R/W & C/A W/FENCE

Remove 461 S.Y. Pavement

EXIST.PERM. DRAINAGE ESM'T.

Asphalt

Gravel

SCALE: 1"=50

SB I-69
5620+00 - 5635+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R39.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R40

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

PVC 5622+00.00
Elev 369.50

L 350 FT
SD 850 FT
K 214.13

PVT 5625+50.00
Elev 373.57

VPI 5623+75.00
Elev 370.11

+44.19
F.L. 366.00

+1.25%

+00
F.L. 366.70

SPEC 'V' DT. LT.

EXIST. 30" CMP

SPEC 'V' DT. RT.
(PLOTTED 20' BELOW DATUM)

+2.00%

+0.50%

+00
F.L. 365.50

SPEC. 'V' DT. RT.
(PLOTEED 20' BELOW DATUM)

+00
F.L. 367.50

+00
F.L. 381.50

RT. STA. 5631+97 CONST
DBL TYPE SF (1=8.497) & 24"
CULVERT PIPE @ 5° SKEW RT.

+50
F.L. 386.00

+2.00%

+3.00%

2' F.B. SPEC. DT. LT.
(PLOTTED 20' ABOVE DATUM)

+00
F.L. 383.00

+50
F.L. 381.50

+10.00%

-5.00%

-0.50%

+00
F.L. 379.25

+50
F.L. 379.00

SPEC. 'V' DT. LT.
(PLOTTED 20' ABOVE DATUM)

2' F.B. SPEC. DT. LT
(PLOTTED 20' ABOVE DATUM)

+00
F.L. 376.50

1.98%

T.G. 383.70

CONST. 15:3.5:1

F.L. 375.21

EXIST. 24" CMP

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV. (ft)
DESIGN	50	3.0	383.95
CHECK	100	3.1	384.00

SHEET TOTALS STA. 5620+00 TO STA. 5635+00	
COM	236 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	236 C.Y.
EMB	3460 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	3460 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

5620+00	1	2	3	4	5625+00	6	7	8	9	5630+00	1	2	3	4	5635+00
366.69	366.79	367.30	367.82	368.19	368.68	368.93	369.30	369.76	370.32	371.00	371.84	372.80	373.79	374.81	375.95	376.90	377.79	378.79	379.78	380.81	381.89	382.71	383.64	384.67	385.54	386.61	387.57	388.65	389.73	390.73
368.81	368.98	369.16	369.33	369.50	369.73	370.08	370.55	371.13	371.83	372.64	373.57	374.56	375.56	376.55	377.54	378.53	379.52	380.51	381.50	382.49	383.48	384.47	385.46	386.45	387.44	388.43	389.42	390.41	391.40	392.39

SB I-69
5620+00 - 5635+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R40.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R41

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SB I-69
PI STA 5630+93.63
Δ = 30°56'30" LT
Ts = 911.22'(1)
Ts = 913.12'(2)
Ls = 246.00'(1)
Ls = 250.00'(2)
Lc = 1289.37'
Os = 2°00'45.52"
R = 2846.79'
Es = 107.96'
e = 5.46%
Runoff = 246'
Runout = 90'

P 5
CRAIG M.JOLLEY AND TERRI JOLLEY (WF)

CALVERT CITY CORPORATE LIMITS

I-FRAME-VINYL-BUS MIDWAY TRAILER SALES (VACANT)

Gravel

R=2585.18'
9904' N 43°35'43" E
LC 498.27'

Temp.Esmt. For Diversion

5638+04.54
241.02'
SB I-69

N 37°49'11" E
515.94'

Temp.Esmt. For Diversion

5643+25.00
242.00'
SB I-69

N 80°25'E
100'

5643+75.00
182.00'
SB I-69

5638+05.71
181.03'
SB I-69

S 37°49'11" W 565.94'

EXIST.R/W & CA LINE

2620+00

2625+00

181' LT. 2621+59.91 EXIST. I-24
POT 5646+49.27-SB I-69

5646+49.27 SB I-69
END OVERLAY

Paved Ditch (To Remain)

Paved Ditch (To Remain)

CS 3612+00.28

CS 5637+17.77

ST 3614+32.28

ST 5639+67.77

5640+00

5645+00

30" PIPE

I.E. 381.11

FL 380.81

Paved Dt. (Remove)

MATCH LINE STA 5635+00

12'
12'
12'
14' SH.

F.L. 391.10
F.L. 387.10

N 37°49'11" E

F.L. 396.62
F.L. 390.22

15' S.S.

14' SH.

15' S.S.

300' TAPER

24'

12'
12'
12'

F.L. 400.54
F.L. 392.00

15' S.S.

F.L. 401.72
F.L. 392.96

N 37°49'11" E

14' SH.

15' S.S.

F.L. 401.88
F.L. 394.88

70 : 1 INSIDE MEDIAN TRANS.

F.L. 399.52
F.L. 395.52

15' S.S.

14' SH.

WB I-24

SB I-69 ····· N 37°49'11" E ·····

N 38°38'17" E

EB I-24 / NB I-69

12'
12'
12'

IG 392.77
FL 390.22

1000' Parallel Outside Lane

30" RCP

15" CMP

FL 385.72

FL 371.97

300' TAPER

840' Outside Lane Taper @ 70 :1

3615+00

3620+00

3625+00

3619+25.93 EB I-24

Paved Dt. (To Remain)

EXIST.CA LINE

Asphalt

2614.87
150'

IP

Exist. GRail

IP WC 2283

36" RCP

FL 366.53

2616.50
210'

TVA Tower

EXIST.R/W

2620.00
220'

FL 365.29

P 11
CLOV

P 10
CLOVER LEAF REALTY,LLC

12,666' RT. 2618+59.91 EXIST. I-24
PI STA=3619+25.93 EB I-24
Delta= 0°49'06" RT
BEGIN 70 : 1 INSIDE MEDIAN TRANS.

LILLIE B.COTHAM

SCALE: 1"=50

SB I-69
5635+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R41.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R42

DATUM 445 440 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350

STA. 5637+29 CONST. 30° SKEW RT.
CULVERT PIPE @ 28° SKEW RT.

PVC 5636+50.00
Elev 395.36

VPI 5641+00.00
Elev 404.28

PVT 5645+50.00
Elev 400.65

VPI 5646+49.27
Elev 399.85

END CONSTRUCTION
STA. 5646+49.27

1.98%

+0.50%

-0.50%

-0.81%

+50
F.L. 398.25

+25
F.L. 399.13

+00
F.L. 397.75

SPEC. "V" DT. LT.

SPEC. "V" DT. LT.

+50
F.L. 395.00

L 900 FT
SD 835 FT
K 322.93

2' F.B. SPEC. DT. LT.

+7.00%

+2.80%

+50
F.L. 388.00

+00
F.L. 382.00

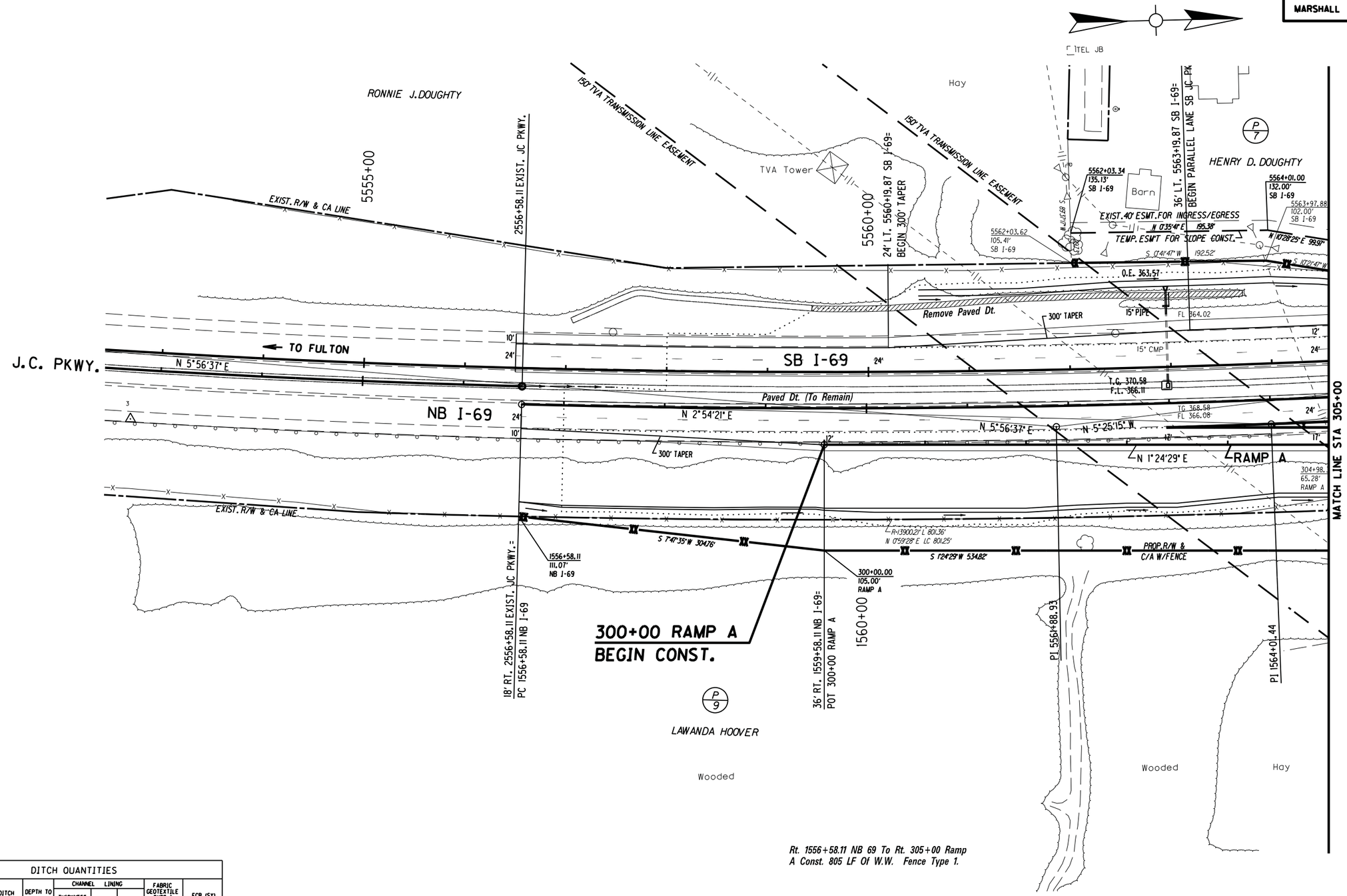
EXIST. 30" RCP

SHEET TOTALS STA. 5635+00 TO END	
COM	1851 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	1851 C.Y.
EMB	82 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	82 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R43



Rt. 1556+58.11 NB 69 To Rt. 305+00 Ramp A Const. 805 LF Of W.W. Fence Type 1.

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"=50'

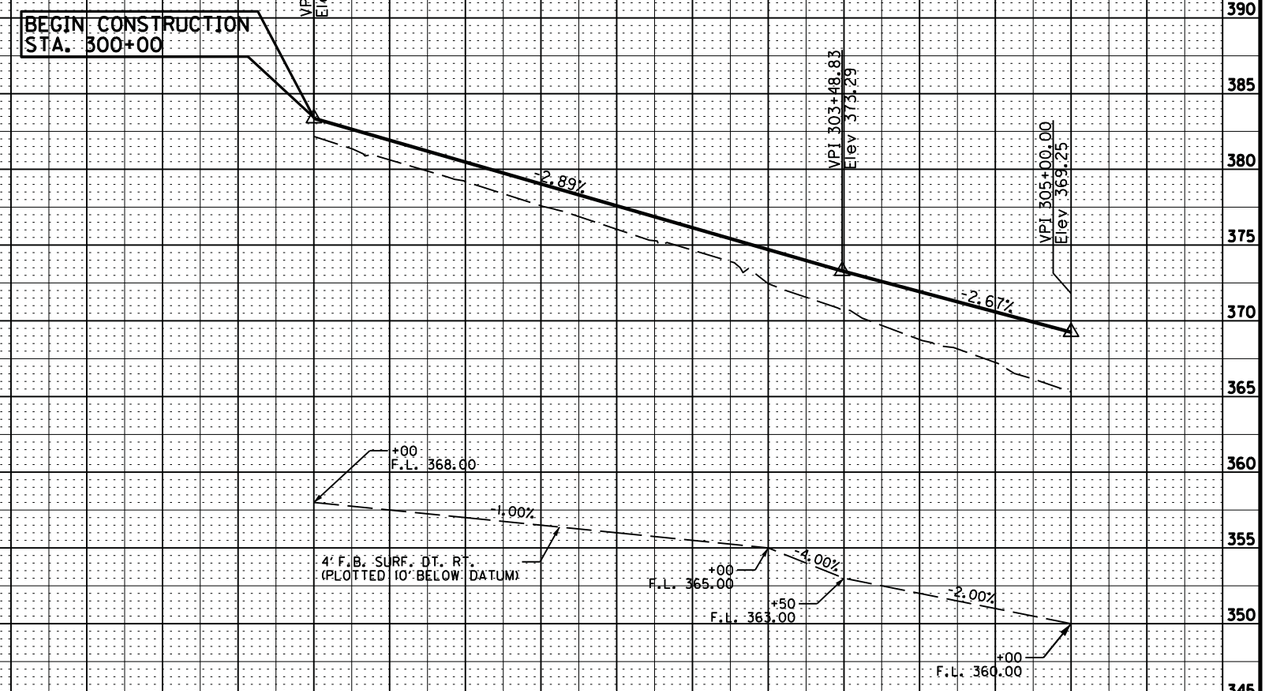
RAMP A
BEGIN - 305+00

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R43.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R44

SHEET TOTALS
BEGIN TO STA. 305+00

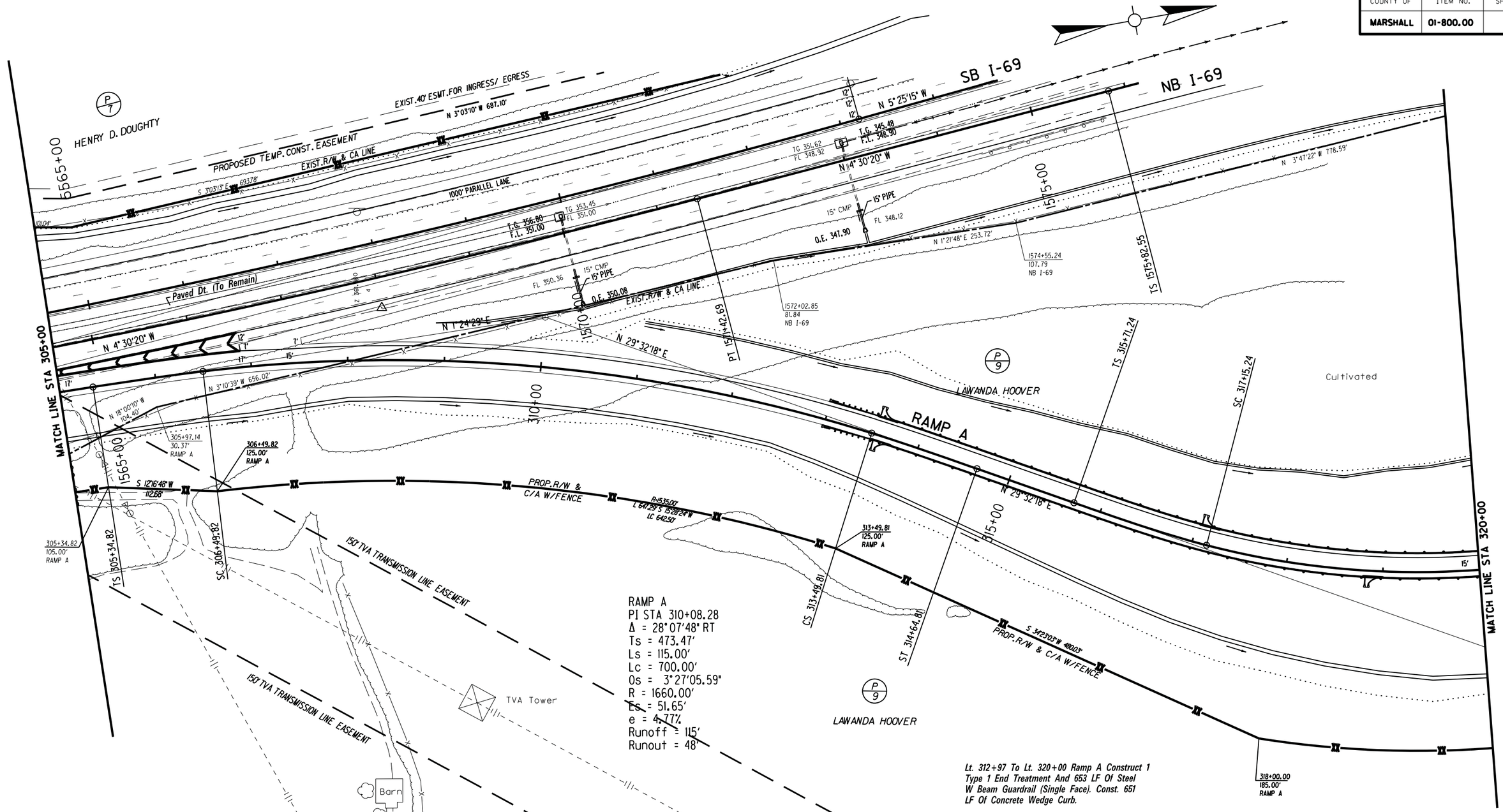
COM	223 C.Y.
EMB BEN	0 C.Y.
SURF DT	646 C.Y.
TOTAL EXC	869 C.Y.
EMB	1594 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	1092 C.Y.
TOTAL EMB	2686 C.Y.



RAMP A
BEGIN - 305+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R44.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R45



RAMP A
PI STA 310+08.28
Δ = 28°07'48" RT
Ts = 473.47'
Ls = 115.00'
Lc = 700.00'
Os = 3°27'05.59"
R = 1660.00'
Ls = 51.65'
e = 4.77%
Runoff = 115'
Runout = 48'

Lt. 312+97 To Lt. 320+00 Ramp A Construct 1 Type 1 End Treatment And 653 LF Of Steel W Beam Guardrail (Single Face). Const. 651 LF Of Concrete Wedge Curb.

Rt. 312+97 To Rt. 320+00 Ramp A Construct 1 Type 1 End Treatment And 653 LF Of Steel W Beam Guardrail (Single Face). Const. 651 LF Of Concrete Wedge Curb.

Rt. 305+00 To Rt. 320+00 Ramp A Const. 1518 LF Of W.W. Fence Type 1.

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING THICKNESS (IN)	CHANNEL LINING CLASS	CHANNEL LINING TONS	FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)

SCALE: 1"= 50'

RAMP A
305+00 - 320+00

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R45.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R46

DATUM 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310

VPI 305+00.00
Elev 369.25

PVC 306+15.00
Elev 366.07

L 900 FT
SD 735 FT
K 181.65

PVT 315+15.00
Elev 363.46

-2.77%

2.19%

+00
F.L. 360.00

-2.00%

-1.00%

+00
F.L. 358.00

4' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 352.00

-2.00%

+50
F.L. 349.00

2' F.B. SURF. DT. LT.

-0.50%

+00
F.L. 345.25

VPI 310+65.00
Elev 353.62

+00
F.L. 352.00

-2.00%

+00
F.L. 348.00

-0.50%

4' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 345.00

SHEET TOTALS
STA. 305+00 TO STA. 320+00

COM	21 C.Y.
EMB BEN	0 C.Y.
SURF DT	1148 C.Y.
TOTAL EXC	1169 C.Y.
EMB	35813 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	12645 C.Y.
TOTAL EMB	48458 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

305+00	6	7	8	9	310+00	1	2	3	4	315+00	6	7	8	9	320+00
365.3 369.25	363.8 367.87	362.0 366.49	359.7 365.14	357.6 363.92	359.2 362.84	359.3 361.89	357.6 361.09	356.4 360.42	355.7 359.89	354.8 359.50	354.1 359.24	353.4 359.13	353.1 359.15	353.0 359.30	355.1 359.60	354.1 360.03	352.9 360.60	350.0 361.31	349.5 362.16	348.9 363.14	348.3 364.23	347.8 365.32	347.3 366.42	346.9 367.51	346.6 368.60	346.3 369.70	346.1 370.79	346.0 371.88	346.2 372.98	346.2 374.07

RAMP A
305+00 - 320+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R46.DGN
USER: krice
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.180

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R47

MATCH LINE STA 320+00

LAWANDA HOOVER

P 9

Lt. & Rt. 322+99 Ramp A
Remove 670 LF Of Fence.

1582+52.22
49.14
NB I-69

S 8°32'5" E 670.87'

PI 321+82.11

RAMP A
PI STA 321+82.11
Δ = 63°47'10" LT
Ts = 610.88'
Ls = 144.00'
Lc = 818.99'
Os = 6°37'25.64"
R = 865.00'
Es = 154.98'
e = 5.97%
Runoff = 144'
Runout = 48'

322+38.84
185.00'
RAMP A

R=250.00'
L 65.82' S 15°50'3" E
LC 65.64'

324+00.00
185.00'
RAMP A

S 19°26'08" E 650.74'

PROP. R/W & C/A W/FENCE

P 10

CLOVER LEAF REALTY,LLC

325+00

325+34.22
PC

326+78.22
ST

1585+00

1588+01.50
350.02' 24 RAMP A
I.E. 341.5
NB I-69

N 34°14'53" W

RAMP A

Conc. Wedge Curb

Conc. Wedge Curb

N 34°14'53" W

330+00

30" CMP
I.C. 349.30
F.L. 343.60

FL 343.08

585+00

30" PIPE
O.E. 342.97

N 34°22'W 50.15'

200'-1600'-4.5% Taper

O.E. 342.19

O.E. 340.06

36" PIPE

5587+53.67
5.50'
SB I-69

N 5°25'15" W

Asphalt

N 4°52'10" W

1200' PAVEMENT TAPER & 50+-I

JULIAN CARROLL PKWY.

O.E. 342.19

FL 342.19

18" PIPE

N 4°30'20" W

5588+35.69
61.80'
SB I-69

5589+05.65
82.49'
SB I-69

I.C. 346.00
F.L. 343.00

5589+60.53
93.61'
SB I-69

15" CMP

Conc. Wedge Curb
FL 344.82

15'

Conc. Wedge Curb

200'-1000'-11.5% Taper

Conc. Wedge Curb

590+00

5590+24.71
93.68'
SB I-69

5590+96.10
87.54'
SB I-69

MATCH LINE STA 335+00

I.E. 343.18

FL 344.17

333+67.13
PC

36" PIPE

FL 343.66

Bdld 9%

1590+00

O.E. 342.40

5591+67.80
78.53
SB I-69

5589+37.89 SB I-69
331+69.48 RAMP A

200'-1000'-11.5% Taper

15% N

24'

NB I-69

SB I-69

LITTLE JOHN CREEK

1591+00.00
155.00'
NB I-69

Lt. 320+00 To Lt. 328+49 Ramp A Construct
824 LF Of Steel W Beam Guardrail (Single Face)
And 1 Guardrail Connector To Bridge End Type A .
Const. 842 LF Of Concrete Wedge Curb.

Rt. 320+00 To Rt. 328+49 Ramp A Construct
824 LF Of Steel W Beam Guardrail (Single Face)
And 1 Guardrail Connector To Bridge End Type A .
Const. 842 LF Of Concrete Wedge Curb.

Rt. 320+00 To Rt. 330+28 Ramp A Const.
1237 LF Of W. W. Fence Type 1

Const. 576 LF Of W. W. Fence Type 1 Between
The Prop. Bridges At Little John Creek.

Lt. 332+87.50 To Lt. 335+00 Ramp A Construct
187.50 LF Of Steel W Beam Guardrail (Single Face)
And 1 Guardrail Connector To Bride End Type A .
Const. 208 LF Of Concrete Wedge Curb.

Rt. 332+87.50 To Rt. 335+00 Ramp A Construct
187.50 LF Of Steel W Beam Guardrail (Single Face)
And 1 Guardrail Connector To Bride End Type A .
Const. 208 LF Of Concrete Wedge Curb.

SCALE: 1"= 50'

RAMP A
320+00 - 335+00

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

MicroStation v8.11.9.459 E-SHEET NAME: USER: rsullivan DATE PLOTTED: August 3, 2015 FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R47.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R48

SHEET TOTALS
STA. 320+00 TO STA. 335+00

COM	483 C.Y.
EMB BEN	0 C.Y.
SURF DT	1911 C.Y.
TOTAL EXC	2394 C.Y.
EMB	15969 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	27244 C.Y.
TOTAL EMB	186863 C.Y.

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320

VPI 322+00.00 Elev 378.45
PVC 320+50.00 Elev 375.17
PVT 323+50.00 Elev 380.76
PVC 327+75.00 Elev 387.30
VPI 330+25.00 Elev 391.16
PVT 332+75.00 Elev 381.11
2.19%
1.54%
-4.02%
L 300 FT
SD 1818 FT
K 463.74
L 500 FT
SD 441 FT
K 89.98

NB I-69
LITTLE JOHN CREEK
SB I-69

50 YR FLOOD 349.32 +/-

-0.50%
+00 F.L. 345.25
2' F.B. SURF. DT. LT.
+16 F.L. 341.22
+87 F.L. 348.00
+0.90%
+4.00%
+50 F.L. 350.00
SPEC. "V" DT. LT.
+00 F.L. 349.00
-0.50%
+00 F.L. 345.00
2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)
+00 F.L. 344.00
+4.00%
+50 F.L. 346.00
2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)
2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)
-0.50%
+75 F.L. 342.38
2' F.B. SURF. DT. RT. (PLOTTED 10' BELOW DATUM)
+00 F.L. 344.00
+0.50%
+50 F.L. 343.25

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R49

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R49.DGN

TO PADUCAH

10'X4' RCBC

H.M. Lighting (Remove)

Grass

Lt. 335+00 To Lt. 339+31.25 Ramp A Construct
431.25 LF Of Steel W Beam Guardrail (Single Face)
And 1 Terminal Section No. 1 .
Const. 430 LF Of Concrete Wedge Curb.

4595+00

Asphalt

(Not Field Located)

PI 336+53.13

PI 2592+04.43

PI 5594+45.99

(Not Field Located)

Grass

4600+00

FL 346.67

EB I-24

WB I-24

10'X4' RC Box (To Remain)

FL 349.02

Cantilever Sign
(Remove Truss & Foundation)

60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

I-24

N 83°58'52" E

3,258.58' N

PI 4600+00.05
Delta= 1°08'45" LT

EXISTING 2 SPAN BR.
(TO REMAIN)

EXISTING 2 SPAN BR.
(TO REMAIN)

4605+00

Grass

18' LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.71 SB PROP. JC PKWY.

2565+00

FL 353.00

FL 353.00

300 TAPER

12'

1200' PAVEMENT, TAPER @ 50 : 1

N 4°52'10" W

T.C. 353.00
F.L. 347.98

TG 350.73
FL 348.33

N 5°25'15" W

TG 351.15
FL 347.80

15" PIPE

JULIAN CARROLL PKWY.

N 6°00'55" W

Crash Cushion
(To Remain)

N 6°00'55" W

15" CMP (To Remain)

TG 357.68
FL 354.93

TO CALVERT CITY

Crash Cushion
(To Remain)

MATCH LINE STA 335+00

RAMP A

N 74°14'53" W

N 66°43'53" E

SC 335+11.13

Diversion No. 1

15" CMP
To Remain

FL 345.05

ST 339+29.97

340+00

CS 337+85.97

N 68°45'41" E

15" CMP
To Remain

FL 354.14

TO PADUCAH

30" CMP To Remain

FL 352.93

FL 349.35

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

FL 354.39

15" CMP
To Remain

TG 379.41
FL 376.46

Cantilever Sign Truss
(To Remain)

Paved Ditch (To Remain)

Grass

Rt. 335+00 To Rt. 337+87.50 Ramp A Construct
287.50 LF Of Steel W Beam Guardrail (Single Face)
And 1 Terminal Section No. 1 .
Const. 287 LF Of Concrete Wedge Curb.

RAMP A
PI STA 336+53.13
Δ = 28°13'57" RT
Ts = 286.00'
Ls = 144.00'
Lc = 274.84'
Θs = 6°44'26.45"
R = 850.00'
Es = 27.51'
e = 5.98%
Runoff = 144'
Runout = 48'

Grass

TS 3568+88.61

12' 12'

12' 12'

15" PIPE

T.C. 382.15
F.L. 378.06

SC 3570+05.61

2570+00

Asphalt

H.M. Lighting
(Remove)

TO NASHVILLE

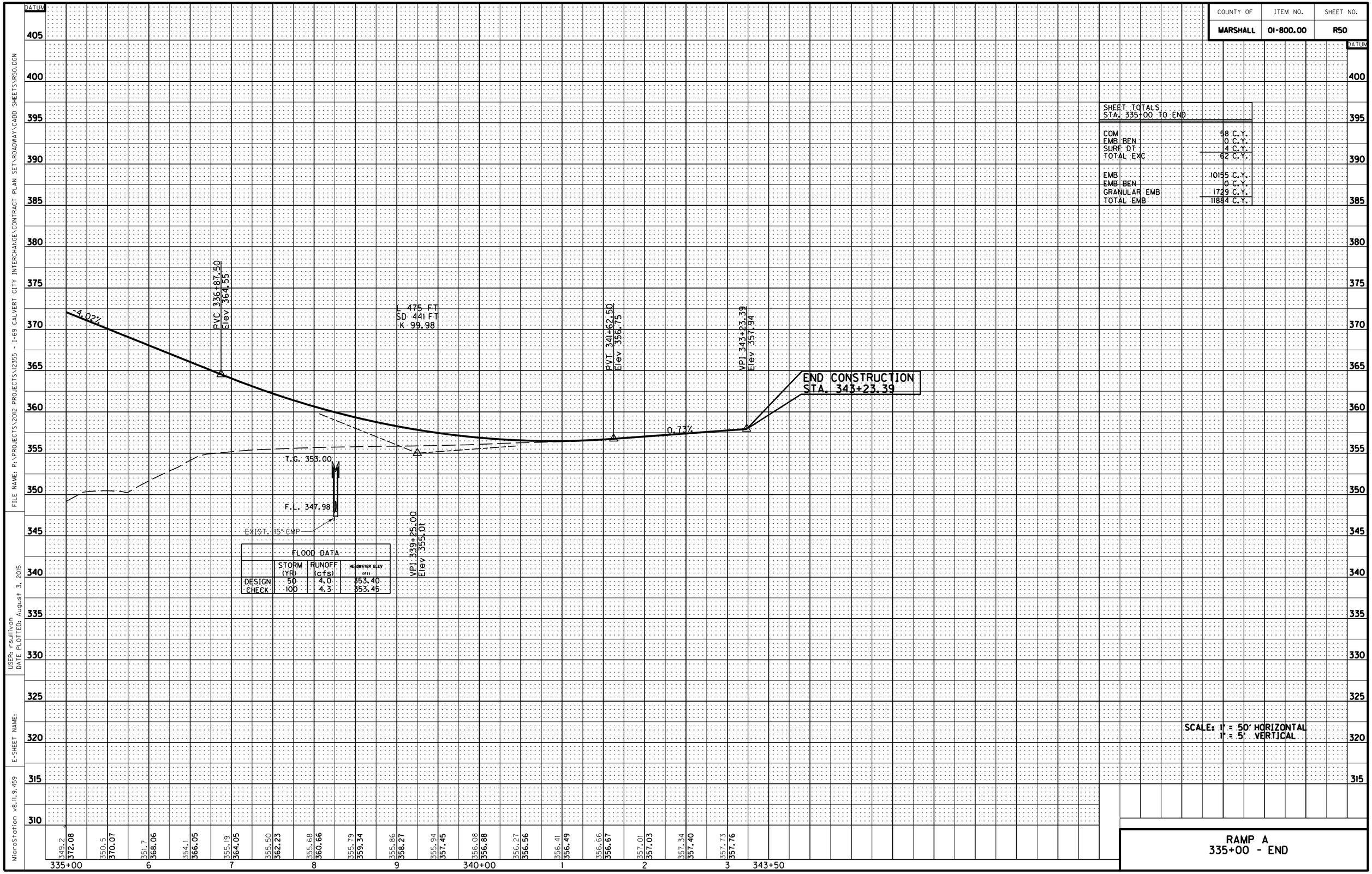
DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"= 50'

RAMP A
335+00 - END

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R50



SHEET TOTALS
STA. 335+00 TO END

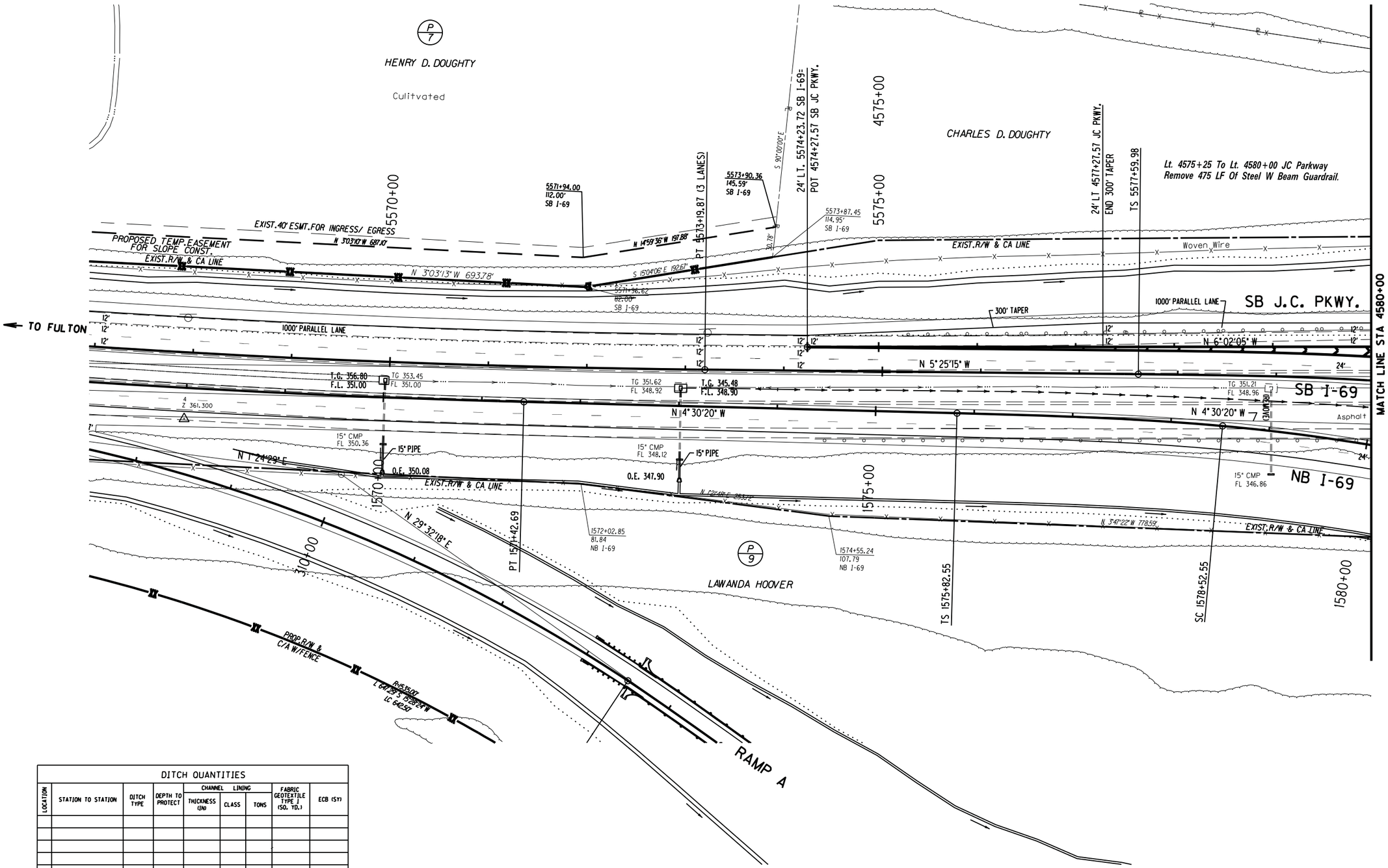
COM	58 C.Y.
EMB BEN	0 C.Y.
SURF DT	4 C.Y.
TOTAL EXC	62 C.Y.
EMB	10155 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	1729 C.Y.
TOTAL EMB	11884 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

RAMP A
335+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R50.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R51



DITCH QUANTITIES

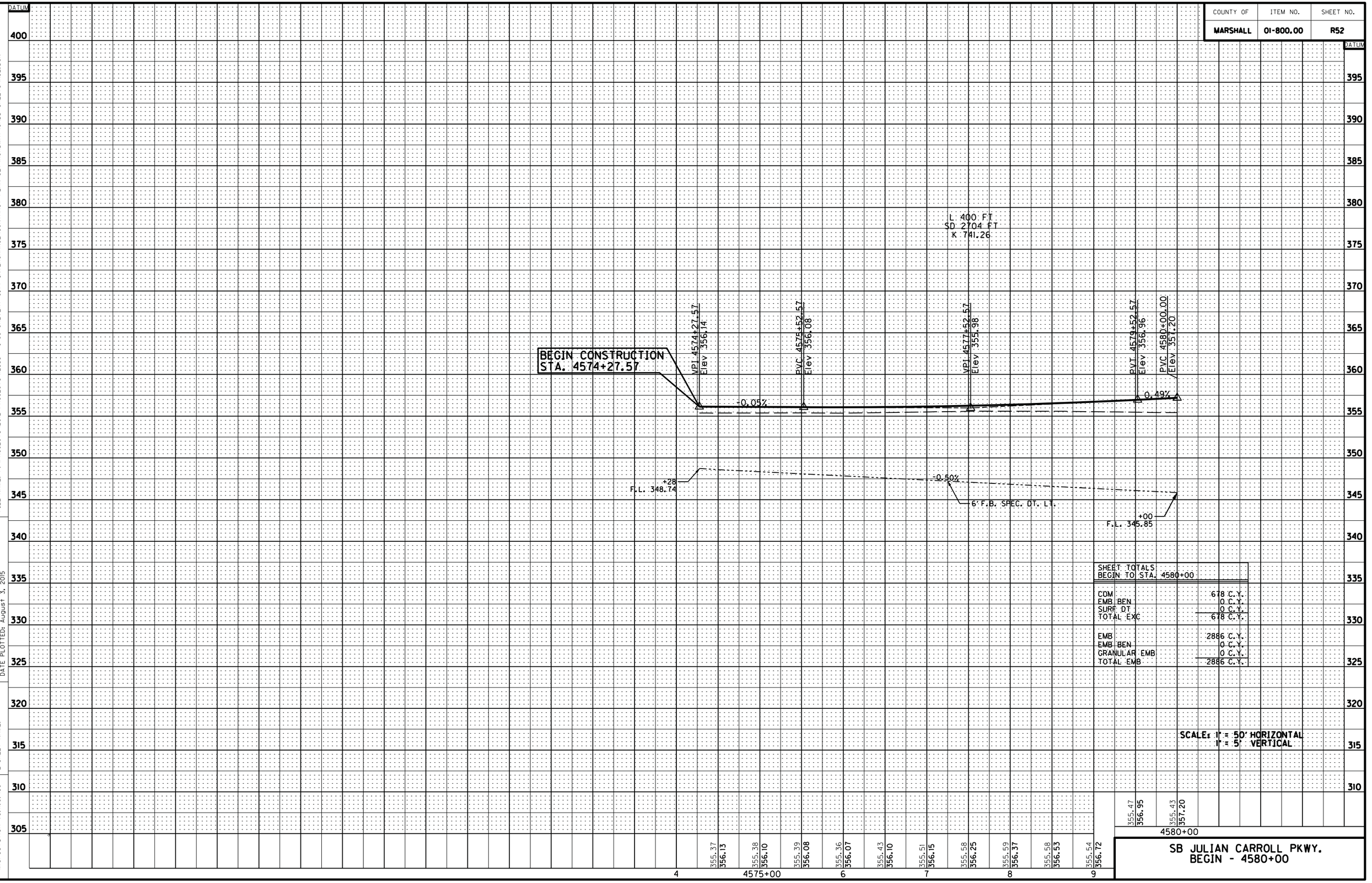
LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"= 50'

SB JULIAN CARROLL PKWY.
BEGIN - 4580+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R51.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R52



FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R52.DGN

USER: rsullivan
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R53

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

MATCH LINE STA 4580+00

MATCH LINE STA 4595+00

PAUL E.PARROTT
MARY ETTA PARROTT
AND J.B.PARROTT

CHARLES D. DOUGHTY

EXIST.R/W & CA LINE

SC 5580+29.98

5580+00

4585+00

Lt. 4580+00 To Lt. 4588+35 JC Parkway
Remove 835 LF Of Steel W Beam Guardrail.

24' LT 4587+27.57 SB JC PKWY.
END 1000' LANE

PI 4587+99.84
Delta= 1°09'55" RT

EXIST.PERM.DRAINAGE ESMT.

LITTLE JOHN CREEK

10' x 4' RCBC
FL 343.53

4590+00

Grass

H.M. Lighting
(Remove)

Const. 25 LF
Edge Key

(Not Field Located)

PI 336+53.13

PI 2592+04.43

I.E. 343.84
FL 343.77
48" PIPE

FL 344.09
I.E. 344.12
30" PIPE

DBL 20'X8' RCBC
FL 342.67

SB JULIAN CARROLL PKWY.

1000' PARALLEL LANE

N 6°02'05" W

N 4°52'10" W

1200' PAVEMENT TAPER @ 50:1

Asphalt

TG 351.96
FL 349.81
15" CMP

N 5°25'15" W

Remove 1775 S.Y. Pavement

T.G. 349.30
F.L. 343.60
30" CMP

TG 350.73
FL 348.33

T.G. 351.75
F.L. 348.25

OH Sign

48" CMP
FL 342.85

T.G. 348.75
F.L. 344.75

N 4°30'20" W

Remove 443 S.Y. Pavement

15" CMP (Remove)
FL 344.82

Conc. Wedge Curb

18" PIPE
O.E. 345.68

30" CMP
O.E. 342.97
FL 343.08

O.E. 342.19

FL 342.19

O.E. 342.19

18" PIPE

T.G. 346.00
F.L. 343.00

5580+00

200'-H00 - H Sh. Taper

N 3°47'22" W 50.15'

1582+52.22
49.14
NB I-69

O.E. 340.06

36" PIPE

15" CMP

1585+00

I.E. 341.15

NB I-69

330+00

SB I-69

200'-H00 - H Sh. Taper

Conc. Wedge Curb

36" PIPE

EXIST. PERMANENT
DRAINAGE EASEMENT

O.E. 342.40

N 66°43'53" E

335+00

Diversion No. 1

FL 344.17

I.E. 343.18

36" PIPE

CL 19+55.35

335+11.13

CS 337+85.97

Grass

P/9

LAWANDA HOOVER

P/10

CLOVER LEAF REALTY,LLC

SCALE: 1"= 50'

SB JULIAN CARROLL PKWY.
4580+00 - 4595+00

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R53.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R54

DATUM 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305

L 200 FT
SD 1231 FT
K 209.56

L 150 FT
SD 1188 FT
K 309.62

PVC 4580+00.00
Elev 357.20

VPI 4581+00.00
Elev 357.69

PVT 4582+00.00
Elev 357.22

PVC 4585+00.00
Elev 355.83

VPI 4585+75.00
Elev 355.49

PVT 4586+50.00
Elev 355.50

PVC 4595+00.00
Elev 355.68

-0.46%

0.02%

EXIST. 48" CMP

EXIST. 30" CMP

EX. DBL. 20'x8' RCBC

-0.50%

+1.40%

0.50%

+0.50%

+0.50%

-2.25%

-0.70%

+00
F.L. 345.85

6' F.B. SPEC. DT. LT.

+00
F.L. 343.85

+50
F.L. 344.55

+20
F.L. 344.20

6' F.B. SPEC. DT. LT.

+00
F.L. 345.10

+00
F.L. 354.25

SPEC. "V" DT. RT.
(PLOTTED 15' BELOW DATUM)

+20
T.G. 349.30

F.L. 343.60

SPEC. "V" DT. RT.
(PLOTTED 15' BELOW DATUM)

+00
F.L. 353.70

+00
T.G. 353.00

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV. (ft)
DESIGN	50	6.8	349.70
CHECK	100	7.4	349.75

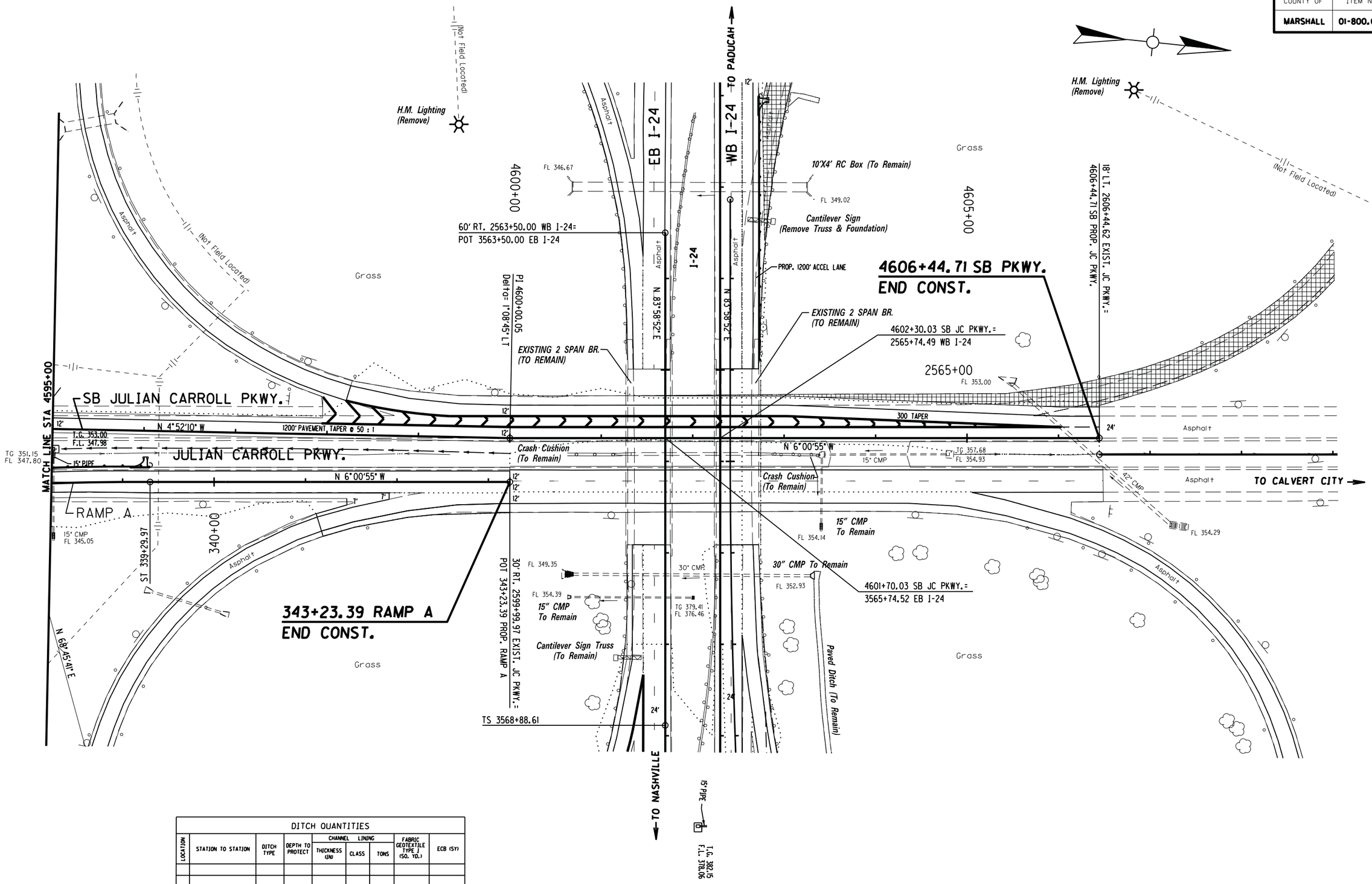
SHEET TOTALS
STA. 4580+00 TO STA. 4595+00

COM	4171 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC.	4171 C.Y.
EMB	4308 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	4308 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R55



DITCH QUANTITIES

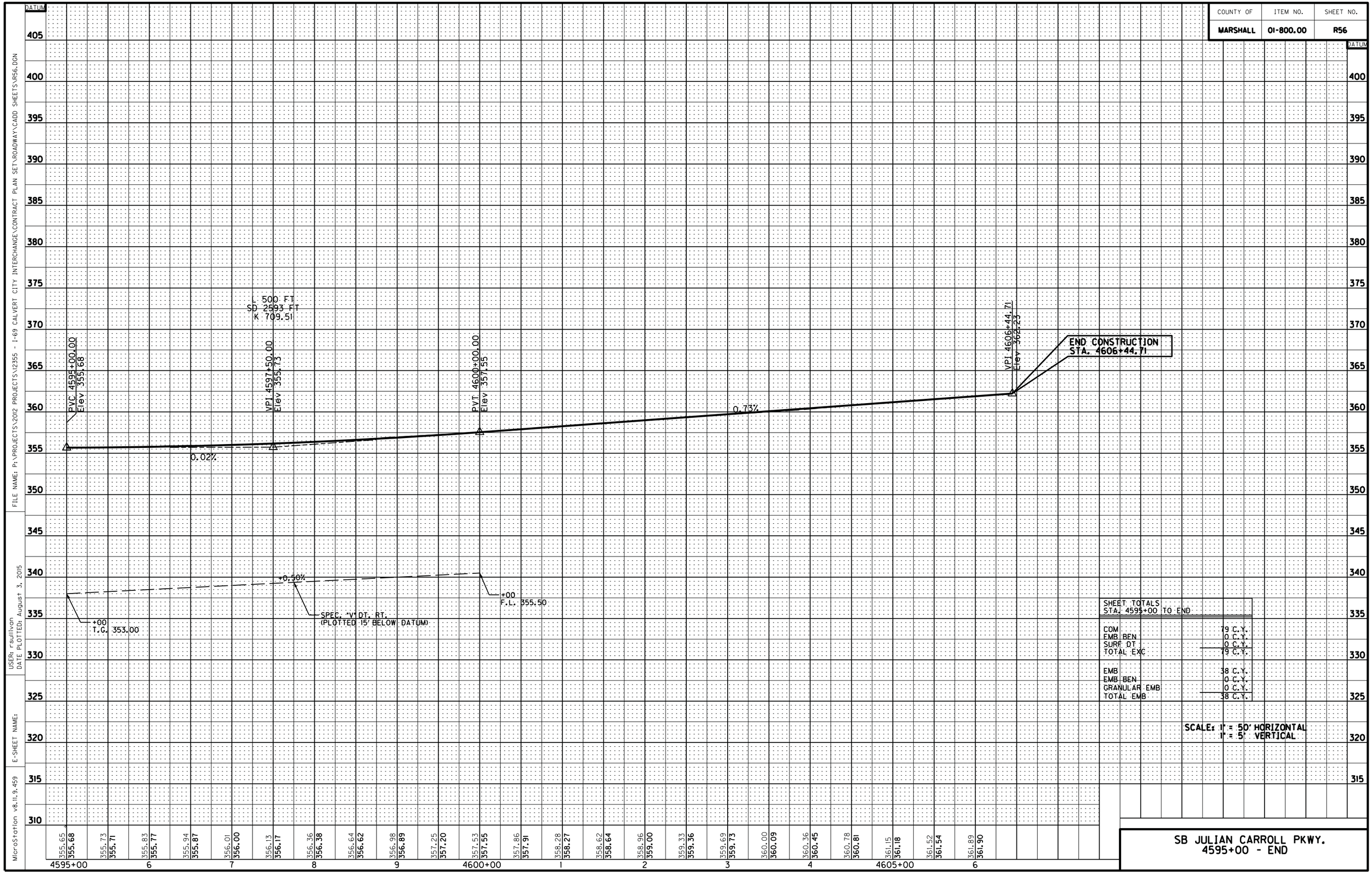
LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"= 50'

SB JULIAN CARROLL PKWY.
4595+00 - END

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R55.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R56



SHEET TOTALS
STA. 4595+00 TO END

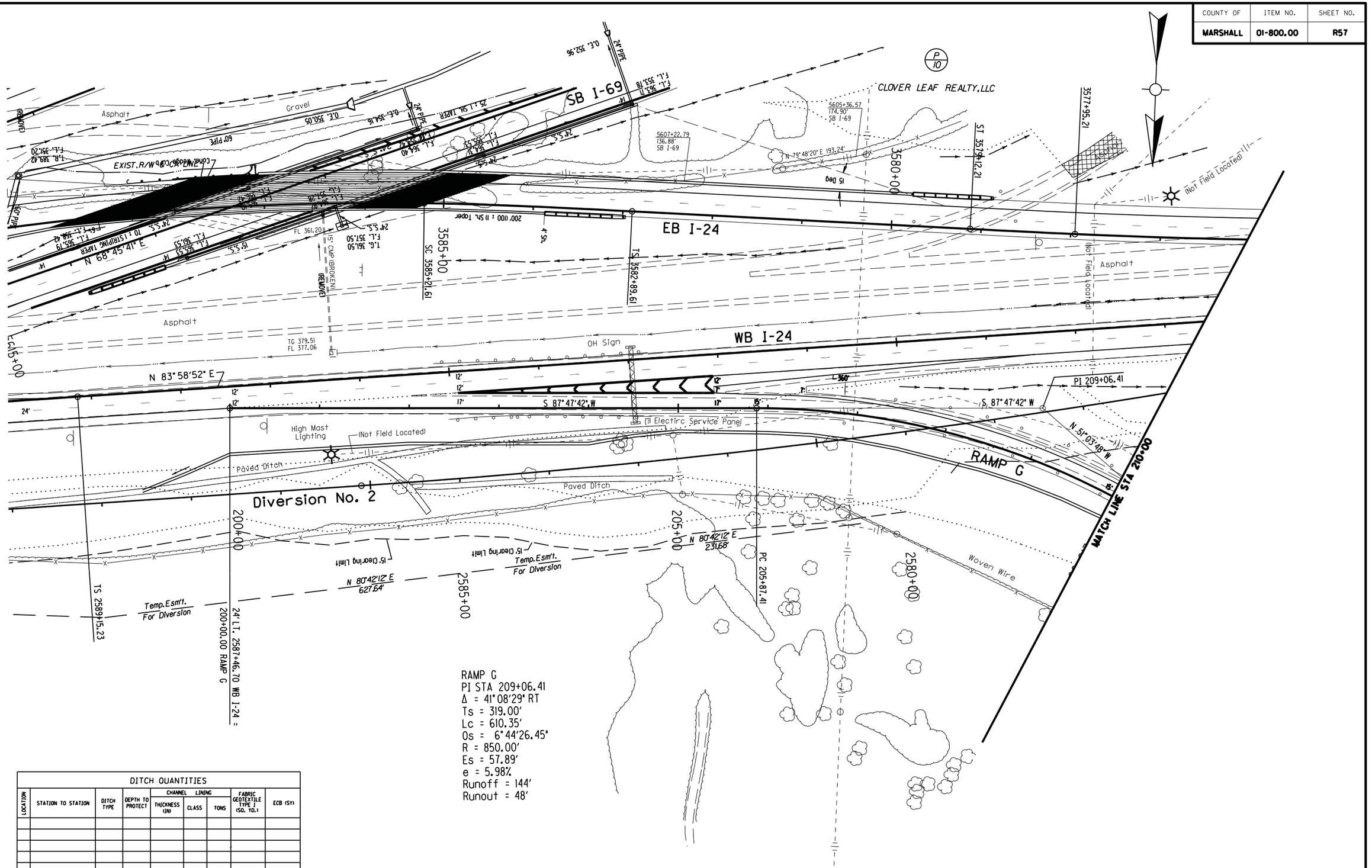
COM	79 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	79 C.Y.
EMB	38 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	38 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

SB JULIAN CARROLL PKWY.
4595+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R56.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R57



RAMP G
PI STA 209+06.41
Δ = 41°08'29" RT
Ts = 319.00'
Lc = 610.35'
Os = 6°44'26.45"
R = 850.00'
Es = 57.89'
e = 5.98%
Runoff = 144'
Runout = 48'

DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"= 50'

RAMP G
BEGIN - 210+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R57.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R58

DATUM 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335

BEGIN CONSTRUCTION
STA. 200+00

+00
F.L. 366.00

+2.00%

3' F.B. SURF. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 374.00

+3.00%

+00
F.L. 377.00

3' F.B. SPEC. DT. RT.
(PLOTTED 10' BELOW DATUM)

+1.00%

+00
F.L. 380.00

+2.00%

+00
F.L. 384.00

1.31%

1.60%

PVC 206+00.00
Elev 381.35

VPI 207+50.00
Elev 383.31

L 300 FT
SD 3702 FT
K 1026.18

PVT 209+00.00
Elev 385.71

SHEET TOTALS BEGIN TO STA. 210+00	
COM	33436 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	33436 C.Y.
EMB	175 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	175 C.Y.

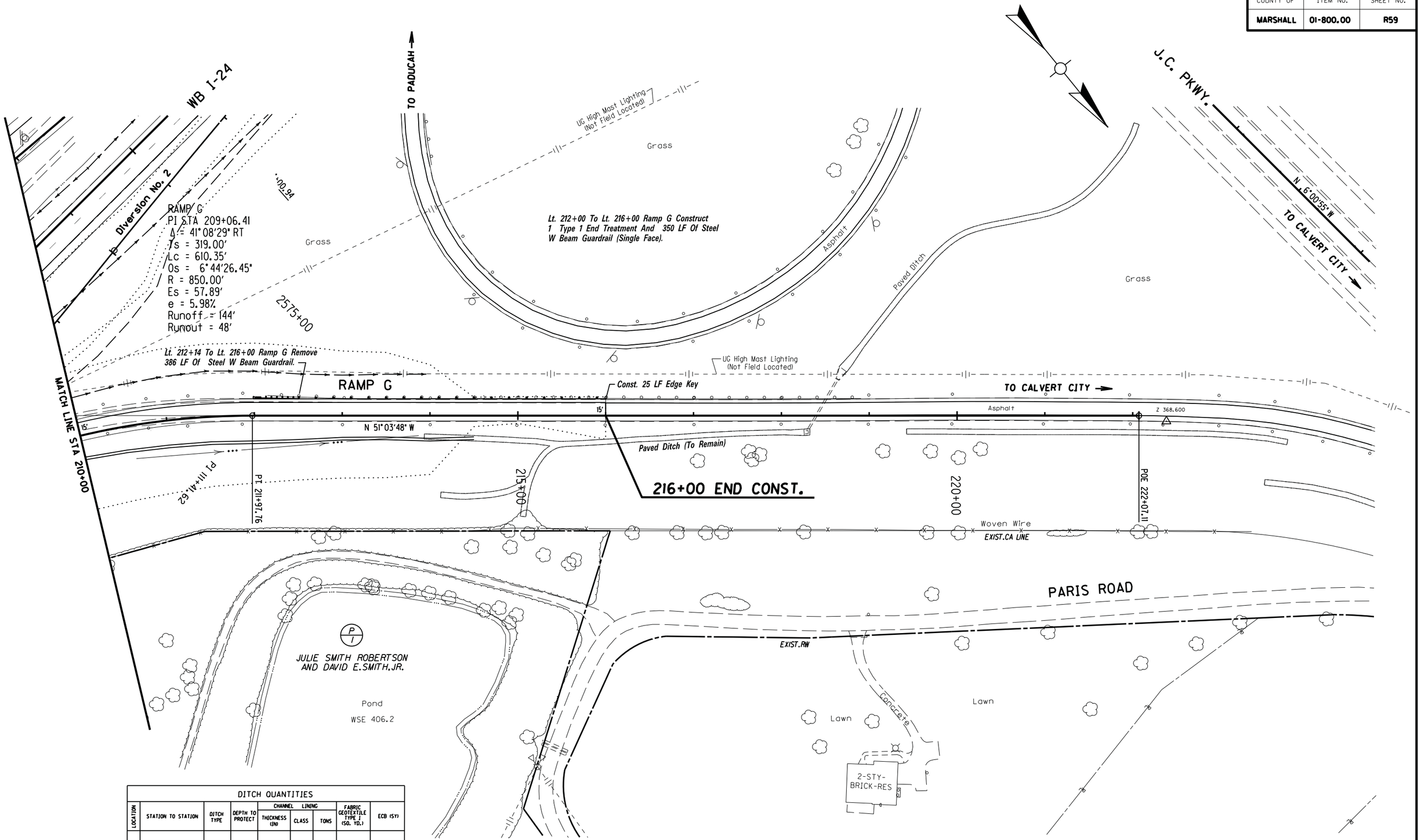
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

200+00	1	2	3	4	205+00	6	7	8	9	210+00
381.41 **373.50**	381.98 **374.15**	382.55 **374.81**	383.24 **375.46**	383.89 **376.12**	384.61 **376.77**	385.17 **377.42**	385.75 **378.08**	386.36 **378.73**	386.91 **379.39**	387.42 **380.04**	387.94 **380.69**	388.41 **381.35**	388.77 **382.01**	388.92 **382.70**	389.08 **383.42**	389.30 **384.16**	389.52 **384.92**	389.71 **385.71**	390.12 **386.51**	390.64 **387.31**

RAMP G
BEGIN - 210+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R58.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R59



DITCH QUANTITIES

LOCATION	STATION TO STATION	DITCH TYPE	DEPTH TO PROTECT	CHANNEL LINING			FABRIC GEOTEXTILE TYPE I (SQ. YD.)	ECB (SY)
				THICKNESS (IN)	CLASS	TONS		

SCALE: 1"= 50'

RAMP G
210+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R59.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R60

DATUM 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340

VPI 213+25.00
Elev 392.51

END CONSTRUCTION
STA. 216+00

1.60%

+00
F.L. 384.50

+0.50%

+00
F.L. 386.00

-0.50%

+00
F.L. 385.50

SPEC. 'V' DT. LT.

L 550 FT
SD 583 FT
K 156.76

PVC 210+50.00
Elev 388.11

+50
F.L. 386.50

+00
F.L. 387.50

+2.00%

-1.00%

+50
F.L. 386.00

+1.00%

3' F.B. SPEC. DT. RT.
(PLOTTED 10' BELOW DATUM)

+00
F.L. 384.00

PVT 216+00.00
Elev 387.26

EXIST. 36"

SHEET TOTALS STA. 210+00 TO END	
COM	9931 C.Y.
EMB BEN	0 C.Y.
SURF DT	0 C.Y.
TOTAL EXC	9931 C.Y.
EMB	0 C.Y.
EMB BEN	0 C.Y.
GRANULAR EMB	0 C.Y.
TOTAL EMB	0 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

210+00	1	2	3	4	215+00	6	7	8	9	220+00	1	2
390.64 / 387.31	390.88 / 388.11	391.11 / 388.83	391.36 / 389.39	391.43 / 389.79	391.25 / 390.04	390.93 / 390.12	390.55 / 390.04	390.13 / 389.81	389.56 / 389.41	388.86 / 388.85	388.09 / 388.14	387.26 / 387.26	386.30	385.21	384.05	382.82	381.44	379.94	378.41	376.86	375.30	373.66	372.01	370.41

RAMP G
210+00 - END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R60.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R61

REVISED PLAN DATE : 7/6/2015

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS*
						PERMANENT	TEMPORARY	LEFT		RIGHT														
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
1	JULIE SMITH ROBERTSON AND DAVID E. SMITH, JR.	27.55 (C)					46,645							27.55		5		✓					DB 411, PG 692 MAP 0C-12-02-036	
2	DAVID J. WAGNER AND SHERRI A. VAN HORN	5.54					36,223							5.54		5		✓					DB 325, PG 219 MAP 0C-12-02-031.01	
3	SEAN HARRIS AND DEANNA HARRIS (WF.)	9.15					67,347							9.15		5		✓					DB 133, PG 101 MAP 0C-12-02-026.07	
4	MICHAEL G. MORROW AND SUSAN E. MORROW (WF.)	2.57					236							2.57		5		✓					DB 299, PG 658 MAP 0C-12-02-029	
5	CRAIG M. JOLLEY AND TERRI JOLLEY (WF.)	19.65					63,929							19.65		5		✓					DB 268, PG 315 MAP 0C-12-02-026.06	
6	NOT USED	-					-							-		-		-					NOT USED	NOT USED
7	HENRY D. DOUGHTY	9.20 (C)					35,289							9.20		5		✓					DB 323, PG 25 MAP 33-71	40' INGRESS/EGRESS EASEMENT PARALLEL TO EXIST. R/W
8	NOT USED	-					-							-		-		-					NOT USED	NOT USED
9	LAWANDA HOOVER	270.00		15.72										254.28		5		✓					DB 336, PG 380 MAP 43-04	
10	CLOVER LEAF REALTY, LLC	469.13		35.57			4,127							433.56		5		✓	3				DB 422, PG 637 MAP 43-01&02	PARCEL 1 & PARCEL 2, TRACTS 1-3

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

C= CALCULATED AREA

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

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

*INCLUDES HAZARDOUS WASTE (UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R61 RW SUMMARY.DGN
USER: korider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R62

REVISED PLAN DATE : 7/6/2015

KY 95

JC PKWY.

I-24

EXIST. R/W & CA LINE

EXIST. R/W

EXIST. CA LINE

TEXAS GAS TRANSMISSION LINE ESMT.

CORPORATE LIMITS

CALVERT CITY

TRUCK PLAZA LN.

JAMES H. METHENY

LILLIE B. COTHAM

CRAIG M. JOLLEY AND TERRI JOLLEY (P 5)

Temp. Esm't. For Diversion

MICHAEL G. MORROW AND SUSAN E. MORROW (P 4)

JULIE SMITH ROBERTSON AND DAVID E. SMITH JR. (P 1)

SEAN HARRIS AND DEANNA HARRIS (WF.) (P 3)

DAVID J. WAGNER AND SHERRI A. VAN HORN (P 2)

Esm't. For Diversion

CLOVER LEAF REALTY, LLC (P 10)

EXIST. PERM. DRAINAGE ESM'T.

T. Esm't. For Bldg. Removal

T. Esm't. For Scale Removal

PROP. R/W & C/A w/FENCE

3607+21.86 EB I-24
END RW

LITTLE JOHN CREEK

CHARLES D. DOUGHTY

HENRY D. DOUGHTY (P 7)

EXIST. 40' Ingress / Egress Esm't.

T. Esm't. For Slope Const.

TVA TRANSMISSION LINE EASEMENT

JERICHO LN.

WAYNE TR.

RONNIE J. DOUGHTY

LAWANDA HOOVER (P 9)

1556+58.11 NB I-69
BEGIN RW

KY 2595

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

SCALE: 1"=500

RIGHT OF WAY STRIP MAP

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan | DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R62 RW STRIP MAP.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	63

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 Kentucky Single Zone and in U.S. Survey Feet.

BASIS OF ELEVATIONS

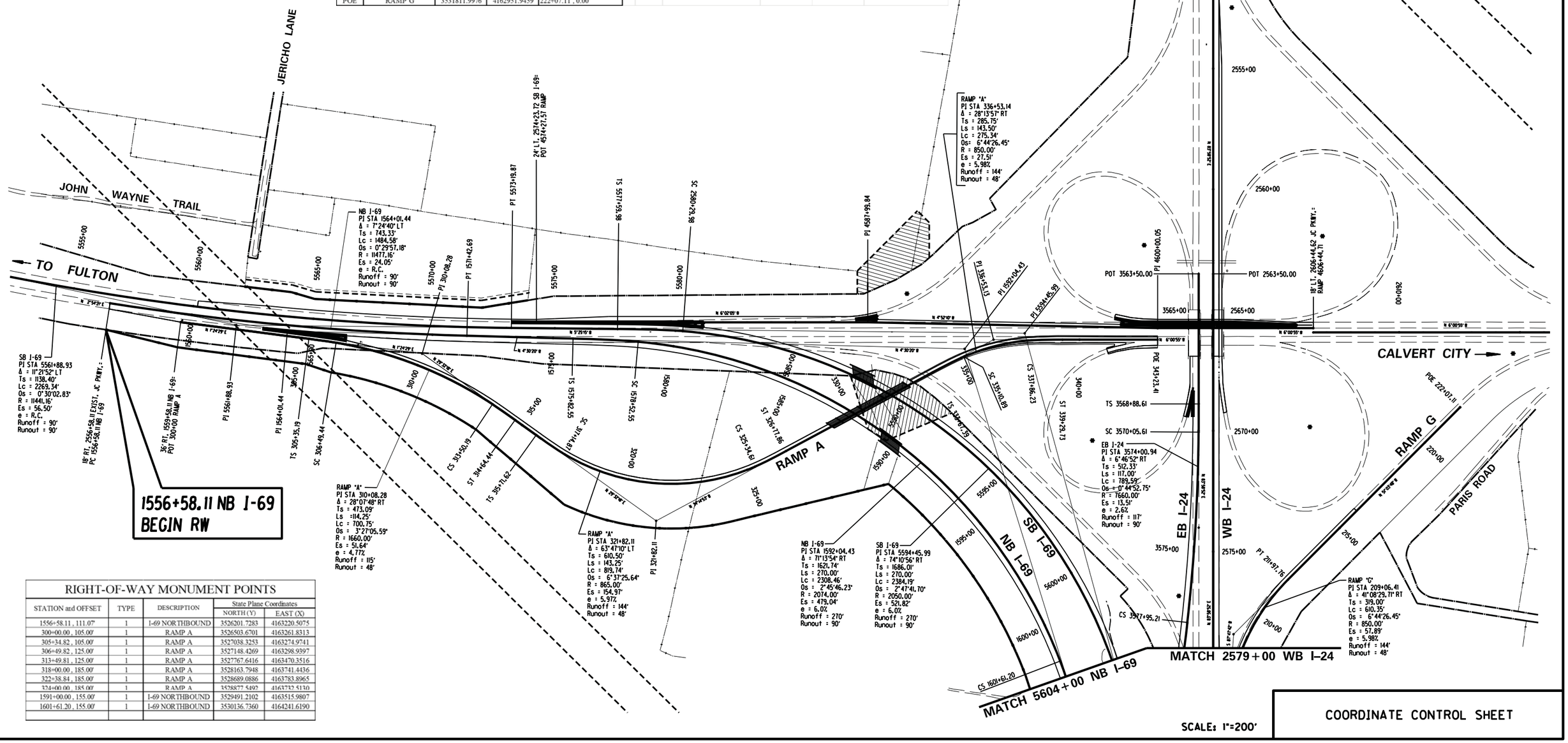
Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model used was Geoid09. A benchmark is a concrete monument with brass cap stamped "KYDOH 106" located at 36 Deg 59' 23.27097" LAT./88 Deg 20' 50.53046" LONG. with a vertical control mark at Elev = 354.84.

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	STATE PLANE COORDINATES NORTH (Y)	STATE PLANE COORDINATES EAST (X)	STATION AND OFFSET
POB	I-24 WESTBOUND	3530595.3145	4161167.4048	2550+00.00 , 0.00'
POB	I-24 EASTBOUND	3530677.2036	4162516.2540	3563+50.00 , 0.00'
TS	I-24 EASTBOUND	3530733.6815	4163051.8983	3568+88.61 , 0.00'
SC	I-24 EASTBOUND	3530745.6536	4163168.2839	3570+05.61 , 0.00'
PI	I-24 EASTBOUND	3530787.4034	4163561.4041	3574+00.94 , 13.51' LT
CS	I-24 EASTBOUND	3530781.8466	4163956.6960	3577+95.21 , 0.00'
PC	I-69 NORTHBOUND	3526207.3587	4163109.5831	1556+58.11 , 0.00'
PI	I-69 NORTHBOUND	3526949.7305	4163147.2652	1564+01.44 , 24.04 RT
PT	I-69 NORTHBOUND	3527690.7610	4163088.8735	1571+42.69 , 0.00'
TS	I-69 NORTHBOUND	3528129.2636	4163054.3204	1575+82.55 , 0.00'
SC	I-69 NORTHBOUND	3528398.7753	4163038.9580	1578+52.55 , 0.00'
PI	I-69 NORTHBOUND	3529746.1311	4162926.9145	1592+04.43 , 479.12 LT
CS	I-69 NORTHBOUND	3530274.8444	4164171.2552	1601+61.20 , 0.00'
PC	I-69 SOUTHBOUND	3525604.4376	4163026.8342	5550+50.53 , 0.00'
PI	I-69 SOUTHBOUND	3526736.7200	4163144.7166	5561+88.93 , 56.50' RT
PT	I-69 SOUTHBOUND	3527870.0309	4163037.1712	5573+19.87 , 0.00'
TS	I-69 SOUTHBOUND	3528308.1793	4162995.5931	5577+59.98 , 0.00'
SC	I-69 SOUTHBOUND	3528577.4149	4162975.9957	5580+29.98 , 0.00'
PI	I-69 SOUTHBOUND	3529986.6453	416836.3153	5594+45.99 , 521.82 LT
PI	RAMP G	3530977.1807	4163985.1917	209+06.41 , 57.89' LT
PT	RAMP G	3531177.6595	4163737.0608	211+97.76 , 0.00'
POE	RAMP G	3531811.9976	4162951.9459	222+07.11 , 0.00'

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	STATE PLANE COORDINATES NORTH (Y)	STATE PLANE COORDINATES EAST (X)	STATION AND OFFSET
POB	RAMP A	3526506.2504	4163156.8630	300+00.00 , 0.00'
TS	RAMP A	3527040.9056	4163170.0058	305+34.82 , 0.00'
SC	RAMP A	3527155.8245	4163174.1588	306+49.82 , 0.00'
PI	RAMP A	3527514.2302	4163181.6409	310+08.28 , 51.65 LT
CS	RAMP A	3527825.4640	4163359.5289	313+49.81 , 0.00'
ST	RAMP A	3527926.1597	4163415.0625	314+64.81 , 0.00'
TS	RAMP A	3528018.7490	4163467.5286	315+71.24 , 0.00'
SC	RAMP A	3528145.9148	4163534.9976	317+15.24 , 0.00'
PI	RAMP A	3528550.2278	4163768.6932	321+82.11 , 154.98' RT
CS	RAMP A	3528933.9869	4163502.5889	325+34.22 , 0.00'
ST	RAMP A	3529055.1835	4163424.9061	326+78.22 , 0.00'
TS	RAMP A	3529624.6382	4163037.2065	333+67.13 , 0.00'
SC	RAMP A	3529745.8716	4162959.5839	335+11.13 , 0.00'
PI	RAMP A	3529861.0495	4162876.2516	336+53.13 , 27.52 LT
CS	RAMP A	3530002.7975	4162865.4011	337+85.97 , 0.00'
ST	RAMP A	3530145.4760	4162846.2800	339+29.97 , 0.00'
POE	RAMP A	3530536.7296	4162805.0514	343+23.39 , 0.00'
POB	PARKWAY SOUTHBOUND	3527971.1559	4163003.4671	4574+27.57 , 0.00'
PI	PARKWAY SOUTHBOUND	3529335.8261	4162859.1986	4587+99.84
PI	PARKWAY SOUTHBOUND	3530531.7006	4162757.3155	4600+00.05
POE	PARKWAY SOUTHBOUND	3531172.8051	4162689.7588	4606+44.71 , 0.00'



RIGHT-OF-WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	State Plane Coordinates NORTH (Y)	State Plane Coordinates EAST (X)
1556+58.11 , 111.07'	1	I-69 NORTHBOUND	3526201.7283	4163220.5075
300+00.00 , 105.00'	1	RAMP A	3526503.6701	4163261.8313
305+34.82 , 105.00'	1	RAMP A	3527038.3253	4163274.9741
306+49.82 , 125.00'	1	RAMP A	3527148.4269	4163298.9397
313+49.81 , 125.00'	1	RAMP A	3527767.6416	4163470.3516
318+00.00 , 185.00'	1	RAMP A	3528163.7948	4163741.4436
322+38.84 , 185.00'	1	RAMP A	3528689.0886	4163783.8965
324+00.00 , 185.00'	1	RAMP A	3528877.5492	4163732.5130
1591+00.00 , 155.00'	1	I-69 NORTHBOUND	3529491.2102	4163515.9807
1601+61.20 , 155.00'	1	I-69 NORTHBOUND	3530136.7360	4164241.6190

SCALE: 1"=200'

COORDINATE CONTROL SHEET

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: R63 COORDINATE CONTROL 1.DGN

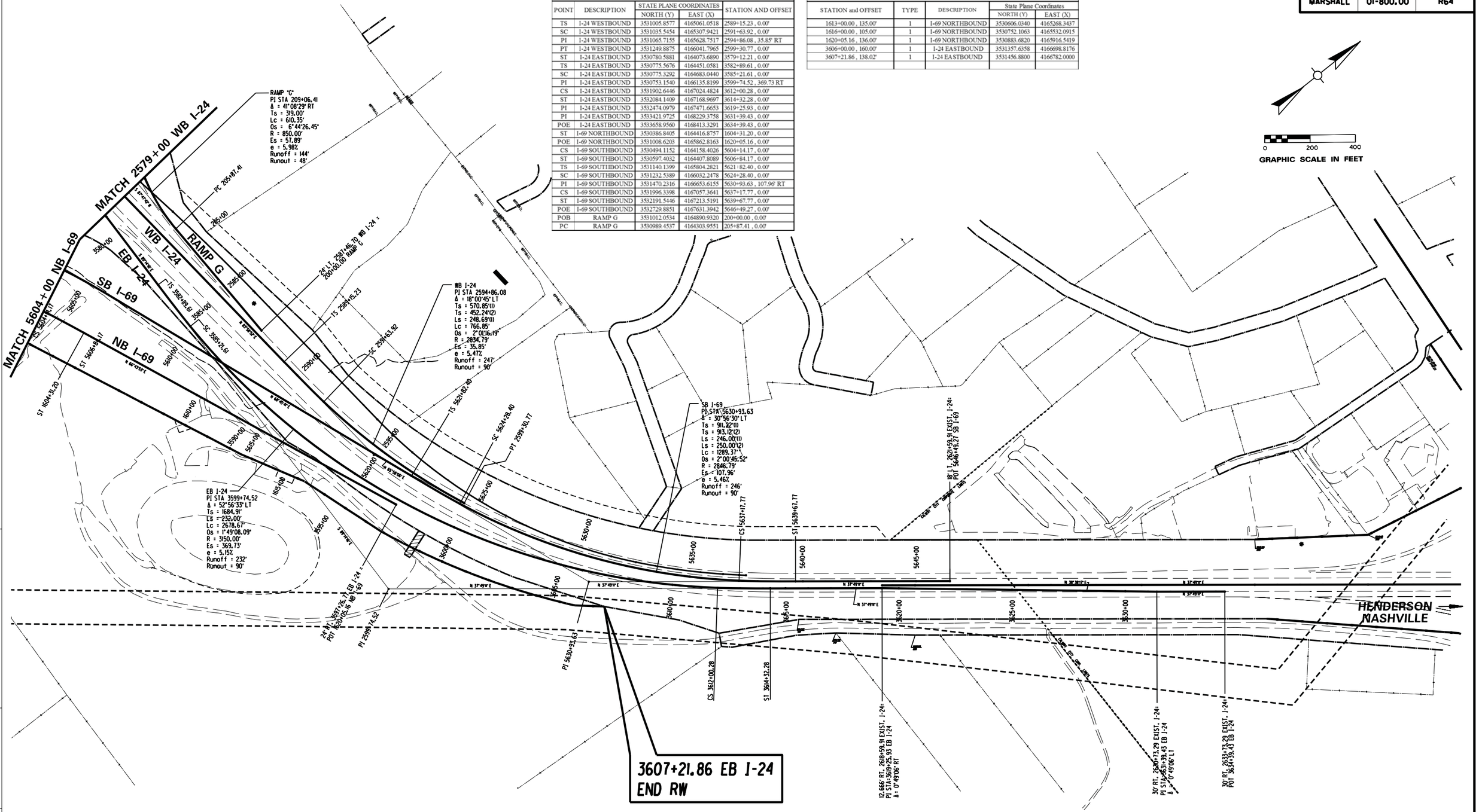
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R64

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	STATE PLANE COORDINATES		STATION AND OFFSET
		NORTH (Y)	EAST (X)	
TS	I-24 WESTBOUND	3531005.8577	4165061.0518	2589+15.23 , 0.00'
SC	I-24 WESTBOUND	3531035.5454	4165307.9421	2591+63.92 , 0.00'
PI	I-24 WESTBOUND	3531065.7155	4165628.7517	2594+86.08 , 35.85' RT
PT	I-24 WESTBOUND	3531249.8875	4166041.7965	2599+30.77 , 0.00'
ST	I-24 EASTBOUND	3530780.5881	4164073.6890	3579+12.21 , 0.00'
TS	I-24 EASTBOUND	3530775.5676	4164451.0581	3582+89.61 , 0.00'
SC	I-24 EASTBOUND	3530775.3292	4164683.0440	3585+21.61 , 0.00'
PI	I-24 EASTBOUND	3530753.1540	4166135.8199	3599+74.52 , 369.73 RT
CS	I-24 EASTBOUND	3531902.6446	4167024.4824	3612+00.28 , 0.00'
ST	I-24 EASTBOUND	3532084.1409	4167168.9697	3614+32.28 , 0.00'
PI	I-24 EASTBOUND	3532474.0979	4167471.6653	3619+25.93 , 0.00'
PI	I-24 EASTBOUND	3533421.9725	4168229.3758	3631+39.43 , 0.00'
POE	I-24 EASTBOUND	3533658.9560	4168413.3291	3634+39.43 , 0.00'
ST	I-69 NORTHBOUND	3530386.8405	4164416.8757	1604+31.20 , 0.00'
POE	I-69 NORTHBOUND	3531008.6203	4165862.8163	1620+05.16 , 0.00'
CS	I-69 SOUTHBOUND	3530494.1152	4164158.4026	5604+14.17 , 0.00'
ST	I-69 SOUTHBOUND	3530597.4032	4164407.8089	5606+84.17 , 0.00'
TS	I-69 SOUTHBOUND	3531140.1399	4165804.2821	5621+82.40 , 0.00'
SC	I-69 SOUTHBOUND	3531232.5389	4166032.2478	5624+28.40 , 0.00'
PI	I-69 SOUTHBOUND	3531470.2316	4166653.6155	5630+93.63 , 107.96' RT
CS	I-69 SOUTHBOUND	3531996.3398	4167057.3641	5637+17.77 , 0.00'
ST	I-69 SOUTHBOUND	3532191.5446	4167213.5191	5639+67.77 , 0.00'
POE	I-69 SOUTHBOUND	3532729.8851	4167631.3942	5646+49.27 , 0.00'
POB	RAMP G	3531012.0534	4164890.9320	200+00.00 , 0.00'
PC	RAMP G	3530989.4537	4164303.9551	205+87.41 , 0.00'

RIGHT-OF-WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	State Plane Coordinates	
			NORTH (Y)	EAST (X)
1613+00.00 , 135.00'	1	I-69 NORTHBOUND	3530606.0340	4165268.3437
1616+00.00 , 105.00'	1	I-69 NORTHBOUND	3530752.1063	4165532.0915
1620+05.16 , 136.00'	1	I-69 NORTHBOUND	3530883.6820	4165916.5419
3606+00.00 , 160.00'	1	I-24 EASTBOUND	3531357.6358	4166698.8176
3607+21.86 , 138.02'	1	I-24 EASTBOUND	3531456.8800	4166782.0000



SCALE: 1"=200'

COORDINATE CONTROL SHEET

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: rsullivan DATE PLOTTED: August 3, 2015 | FILE NAME: R64 COORDINATE CONTROL 2.DGN

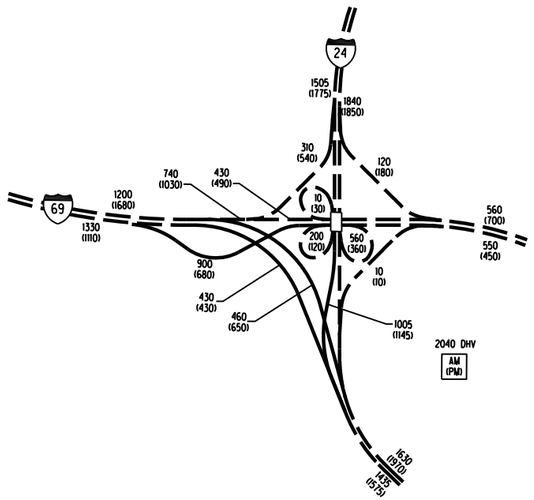
C:\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R65 GEOMETRIC LAYOUT 1.DGN
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R65 GEOMETRIC LAYOUT 1.DGN
USER: rsullivan
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.459

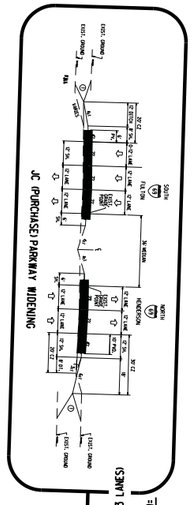
PAVED PORTION SHOWN FOR ALL SHOULDER DIMENSIONING.

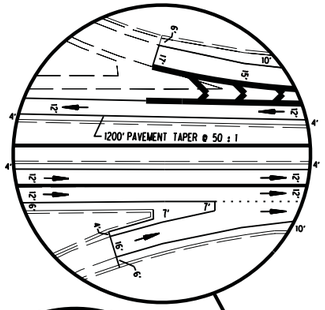
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R65

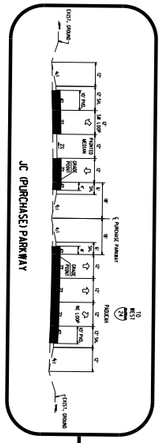
APPROVAL SIGNATURES

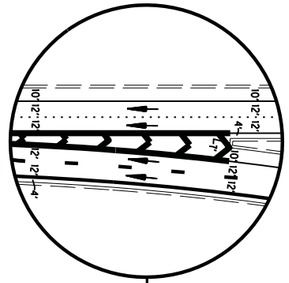
DIRECTOR DIVISION OF DESIGN	DATE
DIRECTOR DIVISION OF TRAFFIC	DATE
F.H.W.A. DIVISION ADMINISTRATOR	DATE

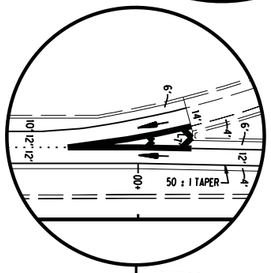


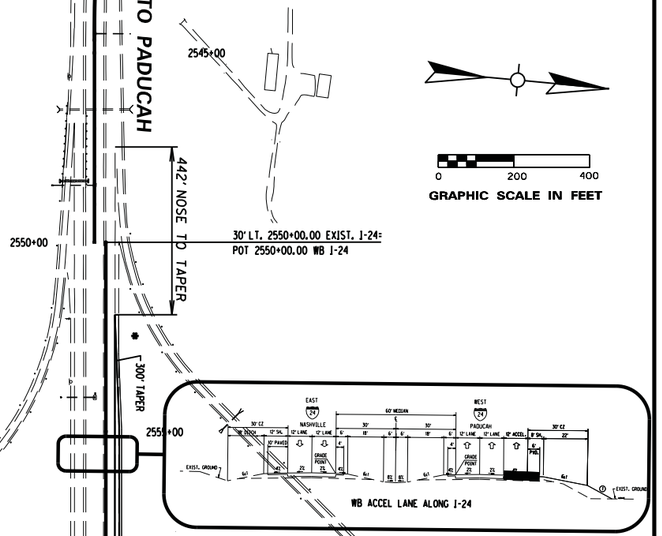


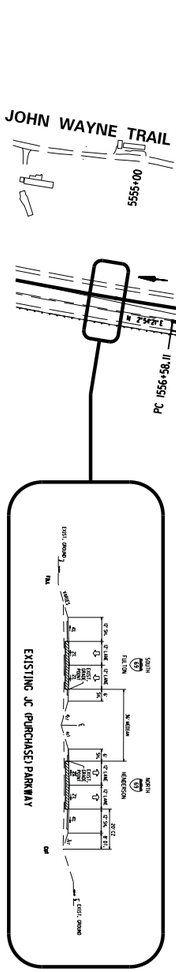


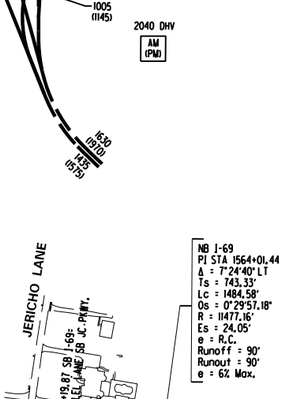


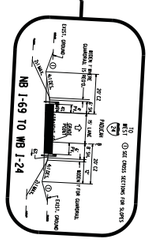


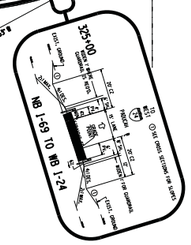


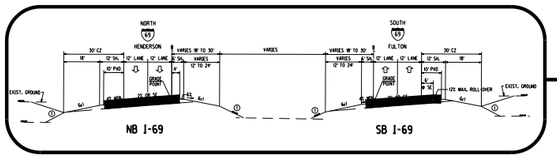












SB J-69
PI STA 5561+88.93
Δ = 11°21'52" LT
Ts = 1138.40'
Lc = 2269.34'
Os = 0°30'02.83"
R = 11441.16'
Es = 56.50'
e = R.C.
Runoff = 90'
Runout = 90'
e = 6% Max.

NB J-69
PI STA 1564+01.44
Δ = 7°24'40" LT
Ts = 743.33'
Lc = 1484.58'
Os = 0°29'57.18"
R = 11477.16'
Es = 24.05'
e = R.C.
Runoff = 90'
Runout = 90'
e = 6% Max.

RAMP "A"
PI STA 310+08.28
Δ = 28°07'48" RT
Ts = 473.09'
Ls = 114.25'
Lc = 700.75'
Os = 3°27'05.59"
R = 1660.00'
Es = 51.64'
e = 4.77%
Runoff = 115'
Runout = 48'
e = 6% Max.

RAMP "A"
PI STA 321+82.11
Δ = 63°47'10" LT
Ts = 610.50'
Ls = 143.25'
Lc = 819.74'
Os = 6°37'25.64"
R = 865.00'
Es = 154.97'
e = 5.97%
Runoff = 144'
Runout = 48'
e = 6% Max.

RAMP "A"
PI STA 336+53.14
Δ = 28°13'57" RT
Ts = 285.75'
Ls = 143.50'
Lc = 275.34'
Os = 6°44'26.45"
R = 850.00'
Es = 27.51'
e = 5.98%
Runoff = 144'
Runout = 48'
e = 6% Max.

NB I-69
PI STA 1592+04.43
Δ = 71°13'54" RT
Ts = 1686.01'
Ls = 270.00'
Lc = 2308.46'
Os = 2°45'46.23"
R = 2074.00'
Es = 479.04'
e = 6.0%
Runoff = 270'
Runout = 90'
e = 6% Max.

SB I-69
PI STA 1594+45.99
Δ = 74°10'56" RT
Ts = 1686.01'
Ls = 270.00'
Lc = 2384.19'
Os = 2°47'41.70"
R = 2050.00'
Es = 521.82'
e = 6.0%
Runoff = 270'
Runout = 90'
e = 6% Max.

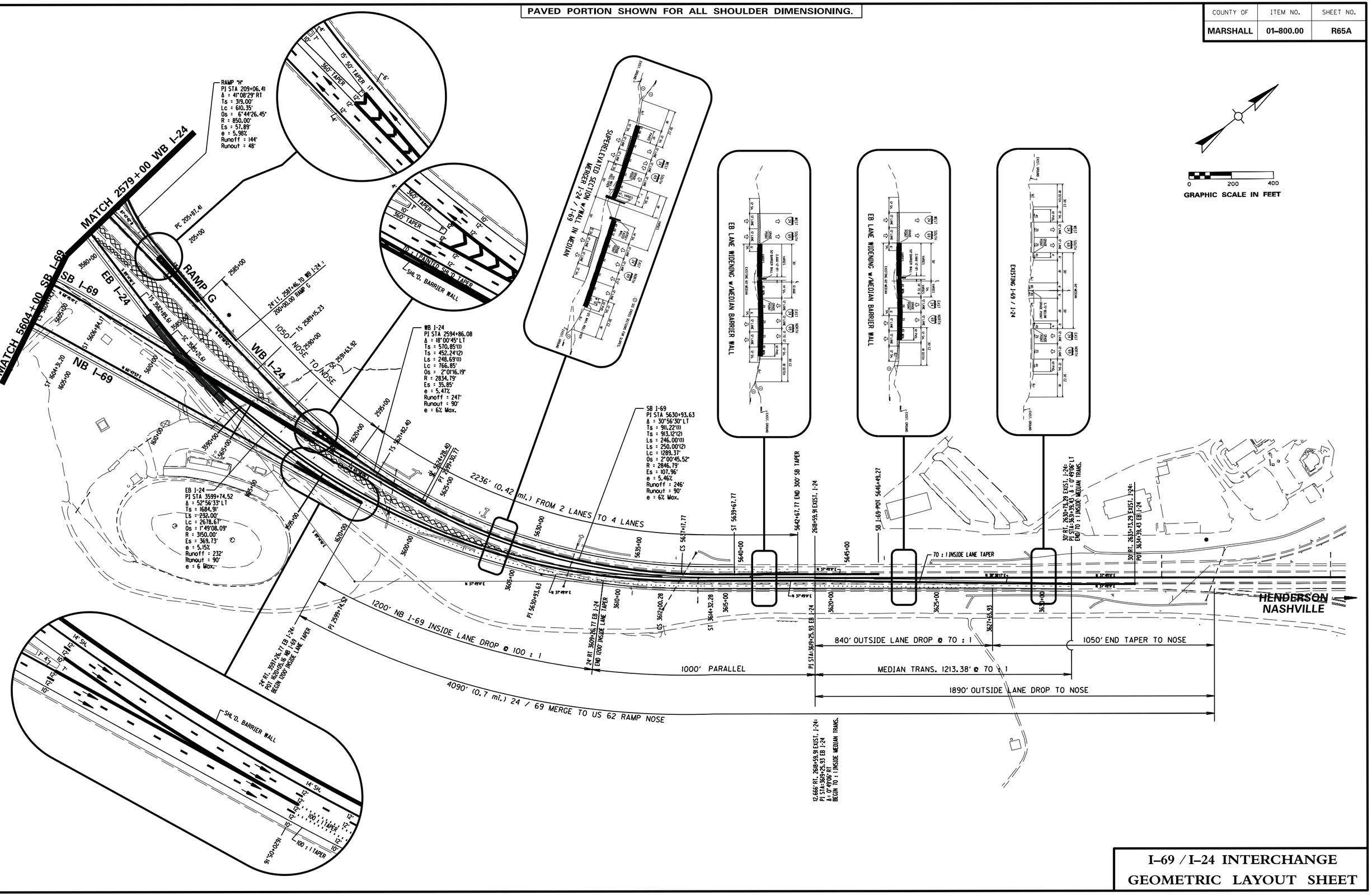
EB J-24
PI STA 3574+00.94
Δ = 6°46'52" RT
Ts = 512.33'
Ls = 117.00'
Lc = 789.59'
Os = 0°44'52.75"
R = 7660.00'
Es = 13.51'
e = 2.6%
Runoff = 117'
Runout = 90'
e = 6% Max.

JOHN WAYNE TRAIL
JERICHO LANE
TO FULTON
TO PADUCAH
SB PKWY.
NB I-69
SB I-69
RAMP A
RAMP G
PARIS ROAD
EB I-24
WB I-24
CALVERT CITY
REMOVE RAMP
MATCH 5604+00 SB I-69

I-69 / I-24 INTERCHANGE GEOMETRIC LAYOUT SHEET

PAVED PORTION SHOWN FOR ALL SHOULDER DIMENSIONING.

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01–800.00	R65A



MicroStation v8.11.9.459
E-SHEET NAME:
USER: rsullivan
DATE PLOTTED: August 3, 2015
FILE NAME= P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R65A GEOMETRIC LAYOUT 2.DGN

I–69 / I–24 INTERCHANGE GEOMETRIC LAYOUT SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R96A

ONLY

ONLY

ONLY

OH Sign

460'

540'

45:1 TAPER

500'

500'

High Mast Lighting

NOTE:

1. TEMPORARY STRIPING TO M.U.T.C.D. FIG. 3B-10A

2. WORK ZONE POSTED SPEED LIMIT WILL BE 45MPH

MAINTENANCE OF TRAFFIC
SB PARKWAY - PHASE 3
LANE DROP

SCALE: 1"=100'

MicroStation v8.11.9.578
E-SHEET NAME:
USER: korider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R096

MicroStation v8.11.7.443 E-SHEET NAME: USER: cweller DATE PLOTTED: August 3, 2015 FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0660

I - 24/PURCHASE PARKWAY MAINTENANCE OF TRAFFIC SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R66

SPECIAL NOTES

1. Construction On or Adjacent to Mainline
A minimum of two 11-foot traffic lanes in each direction and a minimum paved shoulder width of 4 feet shall be maintained at all times except as detailed in the plans. If the Contractor desires to deviate from the traffic control scheme and construction schedule outlined in these plans or in the proposal, an alternate plan shall be presented in writing to the Engineer. This alternate plan can only be used after review and approval of the Divisions of Traffic, Design, and Construction and the FHWA.

Prior to the Contractor performing any construction sequence, he must apply in writing to the Engineer for approval of the period of time selected. The Engineer may, at his discretion, cancel or shorten any period of time before and during a construction sequence. If the Engineer shortens a period of time during a contruction sequence, the Contractor must remove all equipment and install all necessary traffic control devices. The Contractor shall be charged disincentives for failing to re-open traffic to two lanes of travel in each direction by the specified time. The following disincentives will apply:

a) Road Closures on Mainline in either direction for Setting Bridge Beams and other Miscellaneous Items

When blasting, setting beams, removing and setting overhead sign supports and changing from one traffic pattern to another and other activities approved by the Engineer, traffic may be halted. Prior approval by the Engineer will be required for all road closures. It is the intent that all road closures be kept to a minimum time. The Contractor is to schedule operations involving road closures so that all work proceeds in an expeditious manner. It is the intent that road closures be held to a maximum of 15 minutes. The following disincentives will be assessed if road closures are kept for longer than 15 minutes:

15 minutes to 30 minutes: $1000.00
30 minutes to 45 minutes: $2000.00
45 minutes to 60 minutes: $20,000.00 (Twenty Thousand Dollars)

All road closures longer than 60 minutes will be assessed disincentives of $20,000.00 per hour or fraction thereof. Road closures shall be allowed only during "hours of road closure operations" as described below. Interruptions to traffic shall not occur more than once in a period of permitted road closures unless normal traffic flow has been restored and the Engineer approves another road closure. If road closure occurs in both directions, the disincentive above will be doubled.

The Contractor shall submit in writing plans for stopping traffic which will be reviewed for approval by the Department of Highways.

Hours of Road Closure Operations

Westbound/Souhbound			Eastbound/Norhbound		
Mon	9:00 P.M.	- Tue 6:00 A.M.	Mon	9:00 P.M.	- Tue 6:00 A.M.
Tue	9:00 P.M.	- Wed 6:00 A.M.	Tue	9:00 P.M.	- Wed 6:00 A.M.
Wed	9:00 P.M.	- Thur 6:00 A.M.	Wed	9:00 P.M.	- Thur 6:00 A.M.
Thur	9:00 P.M.	- Fri 6:00 A.M.	Thur	9:00 P.M.	- Fri 6:00 A.M.
Fri	9:00 P.M.	- Mon 6:00 A.M.	Fri	9:00 P.M.	- Mon 6:00 A.M.
Sat	9:00 P.M.	- Sun 6:00 A.M.	Sat	9:00 P.M.	- Sun 6:00 A.M.
Sun	9:00 P.M.	- Mon 6:00 A.M.	Sun	9:00 P.M.	- Mon 6:00 A.M.

Blasting Operation

Blasting operation shall comply with 'Special Note for Rock Blasting - IID' (included in the proposal) and the note below.

During blasting operation, traffic may be halted a maximum of 15 minutes per hour to allow the execution of the "shot" and to remove all rock fragments and debris from the traveled way. The Contractor, when using explosives of any kind, for the purpose of excavating and removal shall halt the traffic a safe distance from the impending explosion. The Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing the traffic to proceed. Listed below are the periods of time each day that traffic may be halted for blasting:

Hours of Road Blasting Operations

Westbound/Souhbound			Eastbound/Norhbound		
Mon	9:00 A.M.	- 3:00 P.M.	Mon	9:00 A.M.	- 3:00 P.M.
Tue	9:00 A.M.	- 3:00 P.M.	Tue	9:00 A.M.	- 3:00 P.M.
Wed	9:00 A.M.	- 3:00 P.M.	Wed	9:00 A.M.	- 3:00 P.M.
Thur	9:00 A.M.	- 3:00 P.M.	Thur	9:00 A.M.	- 3:00 P.M.
Fri	9:00 A.M.	- 11:00 A.M.	Fri	9:00 A.M.	- 11:00 A.M.

b) Lane Closure on Mainline

When construction adjacent to the edge of pavement is in progress and when installing barrier wall adjacent to a traveled way, one lane shall be closed. Lane Closures shall be allowed only during "hours of lane closures" as described below. Once construction adjacent to a traveled way has begun, that construction shall be expedited until complete.

If construction cannot be completed in a single approved period of "hours of lane closure", the Contractor will be required to remove the lane closure and provide the proper signing and delineation for a shoulder closure. Lane closures shall not be left in place during non-working hours.

Short term lane closures (those intended to be in place 3 days or less) and lane closures for mobile operations will not be measured for payment but will be incidental to Maintain & Control Traffic.

During normal Maintenance of Traffic periods when 2 lanes per direction have to be open, if one lane is closed due to any reason, a disincentive of $1300.00 per lane closure per hour will be charged for each hour or fraction of an hour that two lanes in each direction are not open except for permitted hours during hours of low traffic volume. The $1300.00 disincentive shall also apply to any single lanes of traffic not specifically permitted in the traffic control plan. Lane closures in place for more than one hour in excess of permitted hours will be assessed at a greater rate. The second hour or fraction thereof will be assessed at the rate of $2600.00 per hour. The third hour or fraction thereof and all additional hours shall be assessed at the rate of $4000.00 per hour.

Hours of Lane Closures

	Westbound/Souhbound	Eastbound/Norhbound
Monday	Midnight-3pm & 8pm-midnight	Midnight-6am & noon-3pm & 6pm-midnight
Tuesday	Midnight-3pm & 8pm-midnight	Midnight-6am & 9am-3pm & 6pm-midnight
Wednesday	Midnight-3pm & 8pm-midnight	Midnight-6am & 9am-3pm & 6pm-midnight
Thursday	Midnight-3pm & 8pm-midnight	Midnight-6am & 6pm-midnight
Friday	Midnight-1pm & 9pm-midnight	Midnight-6am & 7pm-midnight
Saturday	Midnight-1pm & 9pm-midnight	Midnight-6am & 7pm-midnight
Sunday	Midnight-1pm & 9pm-midnight	Midnight-6am & 7pm-midnight

Holidays and Special Events

Listed below are dates and times for holidays and special events when lane closures, road closures, or blasting will not be allowed:
November 25 - 29, 2015 (Thanksgiving Day weekend)
December 23, 2015 - Janurary 2, 2016 (Christmas and New Year's period)
March 25 - 27, 2016 (Easter weekend)
April 18-24, 2016 (AQS Quilt Week)
May 27 - 30, 2016 (Memorial Day weekend)
July 2 - 5, 2016 (Independence Day weekend)
September 2 - 5, 2016 (Labor Day weekend)

Future holiday and special events dates when lane closures will not be allowed shall be determined by the Department if necessary, comparable to above dates. The above dates are subject to change if the Department deems it necessary.

The Contractor is further cautioned that the Engineer may, with a minimum of 48 hours written notice, prohibit the closure of any lanes on days that the Engineer feels would be detrimental to traffic for special or unusual days not covered above.

2. Temporary Grates For Concrete Median Barrier
The Contractor shall be required to install temporary grates on the concrete median barrier inlets until the final phase when the concrete median barrier is placed. The grates shall be of sufficient strength for vehicular traffic areas. The grates shall be secured to the box inlet in a manner satisfactory for vehicular traffic areas. No direct payment shall be made for furnishing and installing these grates as it shall be considered incidental to the bid item for Modified Concrete Median Barrier Box Inlet (Bottom Phase).

3. Contractor's Vehicles
The Contractor will not be allowed to drive or haul construction equipment across the median from one side of the Interstate to the other side, unless appropriate lane closures for both inside lanes are installed. Temporary crossovers in the median may be installed and removed at the Contractor's expense. All other equipment movements from one side of the Interstate to the other shall utilize the nearest interchange.

4. Temporary Concrete Barrier Wall (TCBW)
The Contractor shall furnish Temporary Concrete Barrier Wall, Type 9T, and be paid under 'Temporary Concrete Median Barrier Type 9T.' Upon completion of the project, the Contractor shall take ownership of TCBW, Type 9T, except for TCBW noted to remain in place.

5. Removal of Existing Pavement Markers
All existing pavement markers shall be removed completely, not just lenses, prior to showing conflicting marking schemes when lane lines are shifted. This item will be paid for under 'Remove Pavement Marker Type V'. Used markers become the property of the Contractor.

6. Double Fine Note

Locations not routinely protected by a barrier wall are eligible for DOUBLE FINE signs. A highway zone which has barrier wall but in which unusual or hazardous conditions exist which expose the workers to traffic hazards shall be eligible for the placement of the DOUBLE FINE signs. However, the double fine signs shall only be placed in portion of highway work zone where workers are exposed to traffic hazards. The Contractor shall notify the Project Engineer at least 12 hours prior to using the DOUBLE FINE signs.

At the beginning of highway work zone, the 'FINE DOUBLED IN WORK ZONE' sign will be placed. At the end of highway work zone, the 'END DOUBLE FINE' sign will be placed. The signs shall be removed or covered when the highway work zone does not have workers for more than two (2) hour period of time. Payment for the signs shall be at unit bid price for the signs erected. The moving and covering of signs shall be incidental to Maintain and Control Traffic.

7. Traffic Control Coordinator
The Contractor shall designate an employee to be the Traffic Control Coordinator. This person shall inspect the project maintenance of traffic 7 days a week for the life of the project. This person shall report all incidents throughout the work zone to the Resident Engineer. The Contractor shall furnish the name and telephone number where the Traffic Control Coordinator can be contacted at any time.

8. Construction Access
The Contractor will be allowed to make openings in the barrier wall for the purpose of ingress and egress between his operations and the existing traffic as illustrated in the detail in these notes. Access openings shall be limited to one opening per mile unless otherwise approved by the Engineer. The location, design and number of access points shall be proposed by the Contractor and approved by the Engineer prior to construction.

The lengths of acceleration and deceleration available on the existing shoulders shall be of sufficient length to allow the safe movement of traffic into the traffic stream as determined by the Engineer; however, the shoulder used for the deceleration lane and acceleration lane shall be widened to a 15 ft usable shoulder and paved to adequately support heavy truck traffic. All expense necessary to construct this type of access in entirety, including but not limited to signing, widening and surfacing the existing shoulders to 15 ft usable widths, delineation and the complete removal of this access, shall be borne by the Contractor and be incidental to the Contract.

These access points shall be signed as a construction entrance and shall be barricaded or locked during non-working hours to prevent use by the general public. See Construction Access Details on the following sheet.

All movements of equipment involved in excavation and/or the movement of excavated materials shall be done in areas protected from the normal flow of traffic. All equipment moving in or out of the excavation areas shall diverge or merge with the normal flow of traffic in its direction of flow. No attempt will be made to stop or slow the normal flow of traffic to accommodate the equipment movement. Equipment moving materials to the median area shall enter the median only at the "gates" approved by the Engineer, even if it is necessary to go to the next interchange and reversing direction to enter the median area. Movement out of the median area will also be a merge with the normal flow at approved "gate" sites. Equipment moving into and out of the median area and into and out of the excavation areas shall be capable of mingling with the normal roadway traffic.

9. Speed Limit
The posted speed limit shall be 55 mph through the I-24 and Purchase Parkway work zones, unless otherwise detailed in the plans or directed by the engineer.

MAINTENANCE OF TRAFFIC
SPECIAL NOTES

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)R0670
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R67

I-24 / PURCHASE PARKWAY MAINTENANCE OF TRAFFIC SPECIAL NOTES AND PHASING NOTES

SPECIAL NOTES (con't.)

10. I-24 WB Exit Ramp Closure At Purchase Parkway Interchange.

I-24 WB exit ramp shall be temporarily closed for construction of the Westbound I-24 diversion and its temporary connecion to the existing I-24 WB exit ramp. The detour route shall be signed prior to road closure. The temporary closure will last no more than 14 days. The following disincentives will apply for any closure beyond this duraion.

$3000 per day

11. Pavement Edge Drop-Offs

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 1½ inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance and throughout the drop-off area.

Pavement Drop-Off

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

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

2 to 4 inches - Place plastic drums every 100 feet on tangent sections for speeds of 50 miles per hour or greater. For tangent sections with speeds less than 50 miles per hour and for curves, devices should be placed every 50 feet. Spacing for tapers should be in accordance with the "Manual on Uniform Control Devices."

Greater than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, drums may be used for overnight installations.

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

Contrary to the specifications and MUTCD, drums will be used and cones will not be allowed. Payment will be allowed for the DGA material used for wedging.

12. Delineators

Contrary to Standard Drawing RBM-020, delineators will be required every 30 feet on temporary barrier wall.

13. Temporary Pavement Markers Ty IVA

Type IVA, mono-yellow temporary pavement markers will be required on the median edgeline for concrete median barrier within 8 feet of the driving lane as shown in the "Standard Drawings," and Type IVA, mono-white markers will be used along skip stripe in lane transition areas and as directed by the Engineer.

14. Temporary Crash Cushions

Temporary crash cushions hit or damaged by the public, not through Contractor's negligence, will be paid for at the contract unit price each. This does not apply to crash cushions required on entrance/exit lanes or installed on barrier wall for the Contractor's convenience. Replacement for these will be incidental to the contract.

15. Variable Message Signs

All variable Message Signs will become the property of the Contractor at project completion.

16. Tree Cutting

No tree cutting shall take place during the months of June and July.

PHASING NOTES FOR I-24 /PURCHASE PARKWAY

PHASE 1A

TRAFFIC IS MAINTAINED ON THE EXISTING PURCHASE PARKWAY, PURCHASE PARKWAY/I-24 INTERCHANGE AND I-24.

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- CONSTRUCT DIVERSION NO 1
- CONSTRUCT TEMPORARY PAVEMENT ON NB PARKWAY

PHASE 1B

LANE CLOSURE TO NB PARKWAY & TRAFFIC IS TRANSFERRED FROM I-69 NB / I-24 EB RAMP TO DIVERSION NO. 1 CONSTRUCTED IN PHASE 1A

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:

- CONSTRUCT I-69 NB FROM STA.1556+58 TO STA. 1579+00 (UNDER TRAFFIC)
- CONSTRUCT I-69 NB FROM STA.1579+00 TO STA. 1620+05
- CONSTRUCT I-69 SB FROM STA. 5586+00 TO STA. 5610+00
- CONSTRUCT I-24 EB FROM STA. 3583+00 TO STA. 3605+56
- CONSTRUCT I-24 EB FROM STA. 3605+56 TO STA. 3634+40 (UNDER TRAFFIC)
- CONSTRUCT RAMP A FROM STA.300+00 TO STA. 335+00
- CONSTRUCT I-69 NB BRIDGE
- CONSTRUCT I-69 SB BRIDGE
- CONSTRUCT I-24 EB BRIDGE

PHASE 2

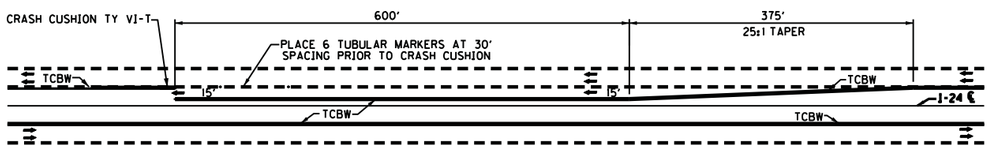
TRAFFIC IS MAINTAINED AS IN THE PREVIOUS PHASE WITH THE FOLLOWING TRAFFIC CHANGES:
- EXISTING RAMP FROM NB PURCHASE PARKWAY TO EB I-24 TO BE CLOSED.
- RIGHT LANE OF PURCHASE PARKWAY, SIGNED AS NB PURCHASE PARKWAY TO EB I-24 AND IS TO BE DIVERTED TO NB I-69 (CONSTRUCTED IN PHASE 1B).

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- REMOVE EXISTING NB PURCHASE PARKWAY TO EB I-24 RAMP
- REMOVE DIVERSION NO. 1
- CONSTRUCT I-69 SB FROM STA. 5556+50 TO STA. 5579+00 (UNDER TRAFFIC)
- CONSTRUCT PARKWAY SB FROM STA. 4574+30 TO STA. 4600+00
- CONSTRUCT I-24 EB FROM STA. 3566+90 TO STA. 3583+00
- CONSRUCT DIVERSION NO. 2 FROM STA. 101+20 TO 111+00
- CONSRUCT DIVERSION NO. 2 FROM STA. 115+00 TO 145+50
- CONSTRUCT PART WIDTH RAMP A FROM STA. 335+00 TO 343+25
- CONSTRUCT RAMP A BRIDGE

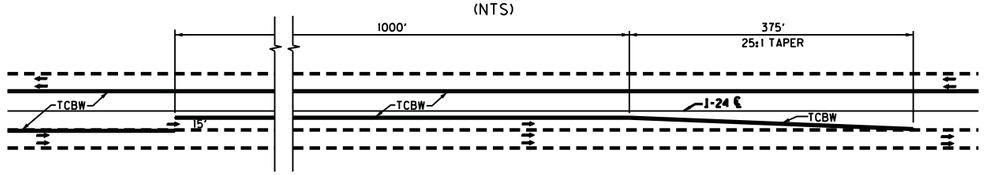
PHASE 3

TRAFFIC IS MAINTAINED AS IN THE PREVIOUS PHASE WITH THE FOLLOWING TRAFFIC CHANGES:
- NB PARKWAY TRAFFIC TO CALVERT CITY OR I-24 WB IS TO BE DIVERTED ONTO RAMP A (CONSTRUCTED IN PHASE 2)
- SB PARKWAY LANE DROP IMPLEMENTED

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- CONSTRUCT I-69 SB FROM STA 5579+00 TO STA. 5586+00
- COMPLETE RAMP A. FROM STA. 335+00 TO 343+25



ENTRANCE TO CONSTRUCTION AREA
(NTS)



EXIT FROM CONSTRUCTION AREA
(NTS)

CONSTRUCTION ACCESS DETAILS

PHASE 3A

TRAFFIC IS MAINTAINED AS IN THE PREVIOUS PHASE WITH THE FOLLOWING TRAFFIC CHANGES:
- CLOSE I-24 WB RAMP TO CALVERT CITY. TRAFFIC DETOURED VIA U.S. 62 INTERSECTION

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- COMPLETE DIVERSION NO. 2 AND TEMP TIE TO I-24 WB RAMP TO CALVERT CITY

PHASE 4

TRAFFIC IS MAINTAINED AS IN THE PREVIOUS PHASE WITH THE FOLLOWING TRAFFIC CHANGES:
- DETOUR FOR I-24 WB VIA U.S. 62 FOR CALVERT CITY REMOVED.
- I-24 WB TRAFFIC DIVERTED ONTO DIVERSION NO. 2 COMPLETED IN PHASE 3A.

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- CONSTRUCT I-24 WB FROM STA. 2572+00 TO 2599+30
- CONSTRUCT I-69 SB FROM STA. 5610+00 TO 5626+00
- CONSTRUCT I-24 EB FROM STA. 3609+50 TO 3623+00
- CONSTRUCT RAMP G FROM STA. 200+00 TO 207+00

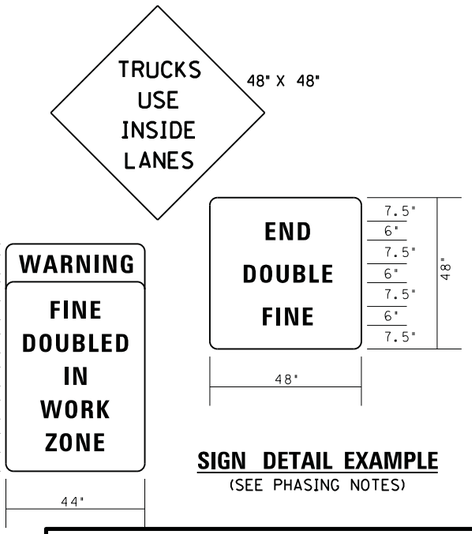
PHASE 5

TRAFFIC IS MAINTAINED AS IN THE PREVIOUS PHASE WITH THE FOLLOWING TRAFFIC CHANGES:
- CLOSE I-24 WB RAMP TO CALVERT CITY. TRAFFIC DETOURED VIA U.S. 62 INTERSECTION
- I-24 WB TRAFFIC DIVERTED ONTO I-24 WB (COMPLETED IN PHASE 4)
- I-24 WB TO PARKWAY SB TRAFFIC DIVERTED ONTO I-69 SB (CONSTRUCTED IN PHASE 4)

THE FOLLOWING IS TO BE CONSTRUCTED THIS PHASE:
- REMOVE DIVERSION NO. 2
- CONSTRUCT I-69 SB FROM STA. 5626+00 TO 5645+50 (UNDER TRAFFIC)
- REMOVE I-24 WB TO PARKWAY SB LOOP RAMP
- CONSTRUCT PARKWAY NB TO I-24 WB LOOP RAMP ACCELERATION LANE
- CONSTRUCT RAMP G FROM STA. 207+00 TO 216+00

PHASE 6

TRAFFIC IS MAINTAINED IN THE ULTIMATE PROJECT CONFIGURATION AND THE FINAL PROJECT SURFACE LAYER IS CONSTRUCTED UNDER TRAFFIC.

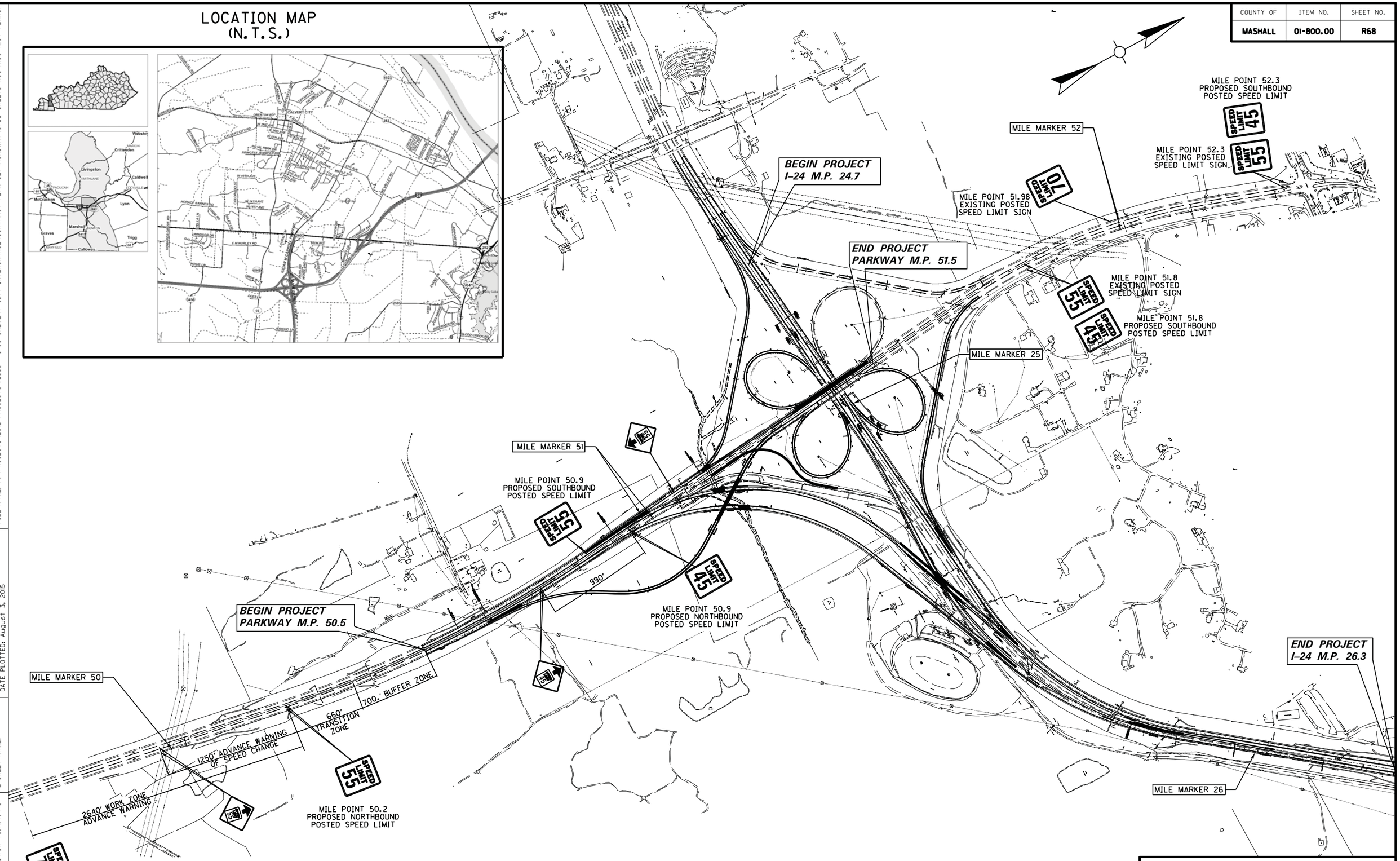


SIGN DETAIL EXAMPLE
(SEE PHASING NOTES)

MAINTENANCE OF TRAFFIC
SPECIAL NOTES & PHASING NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R68

LOCATION MAP
(N.T.S.)

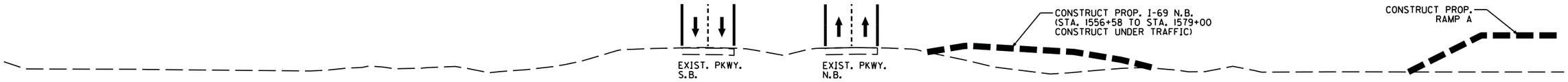


MAINTENANCE OF TRAFFIC SPEED REDUCTION DETAIL SHEET

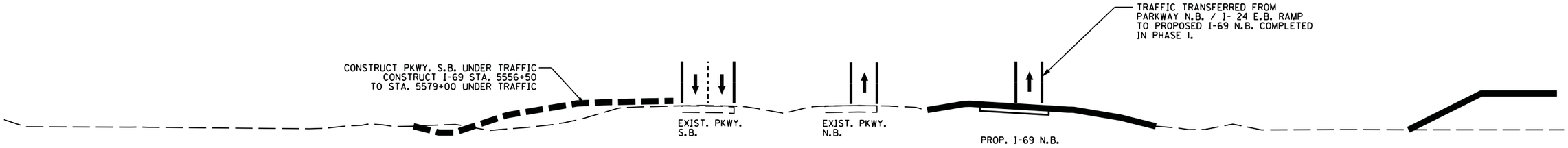
MicroStation v8.11.7.443 E-SHEET NAME: USER: cweller DATE PLOTTED: August 3, 2015 FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0680

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	00-800.00	R69

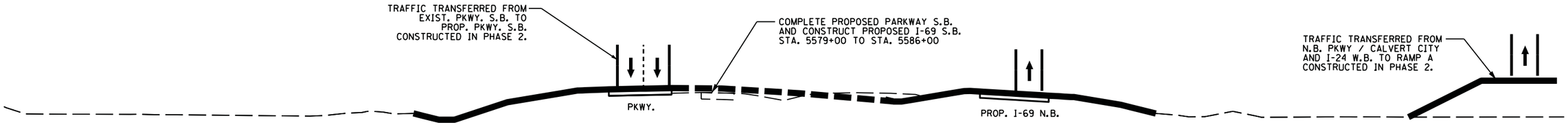
PROPOSED PHASING
I-69 SOUTHBOUND
BEGINNING TO 5586+00



PHASE 1

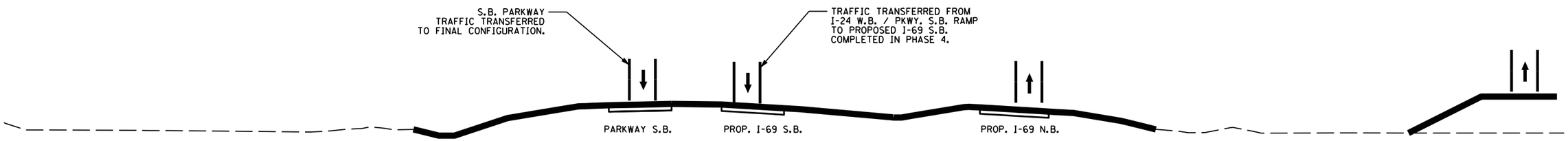


PHASE 2



PHASE 3

PHASE 4



PHASE 5

SCALE: 1"=20'

MAINTENANCE OF TRAFFIC
PHASING TYPICAL SECTIONS 1 OF 4
I-69 SB BEGINNING TO 5586+00

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USER: cweller
DATE PLOTTED: August 3, 2015
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MicroStation v8.11.7.443

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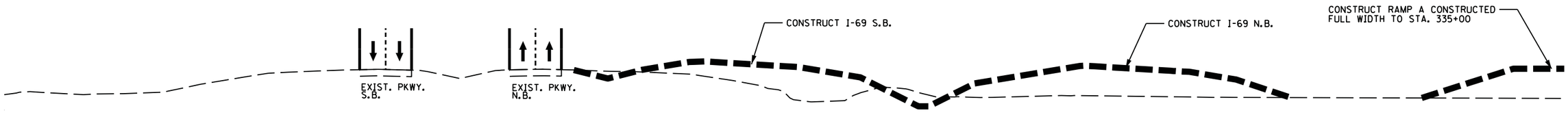
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	00-800.00	R70

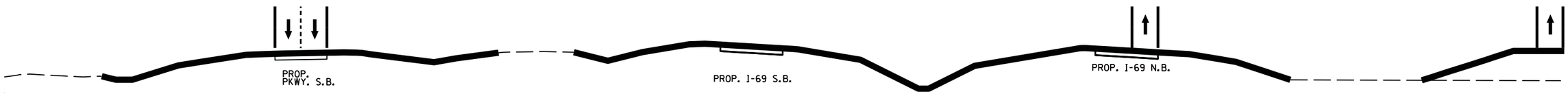
PROPOSED PHASING
I-69 SOUTHBOUND
STA. 5586+00 TO STA 5610+00



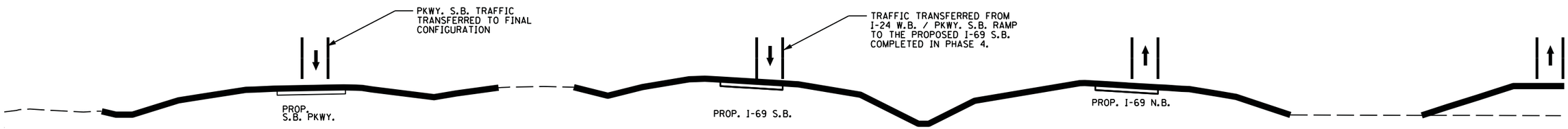
PHASE 1

PHASE 2

PHASE 3



PHASE 4



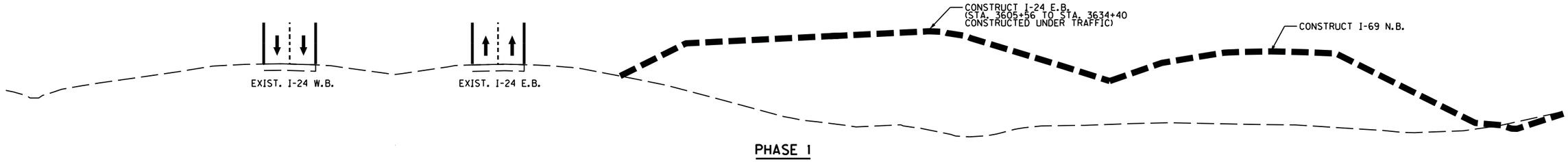
PHASE 5

SCALE: 1"=20'

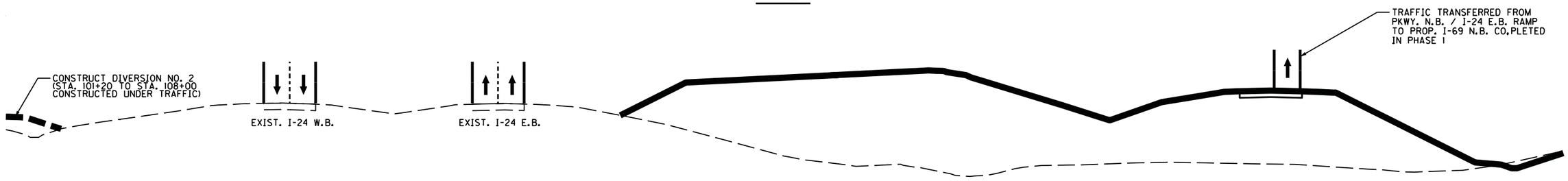
MAINTENANCE OF TRAFFIC
PHASING TYPICAL SECTIONS 2 OF 4
I-69 SB STA. 5586+00 TO STA 5610+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	00-800.00	R71

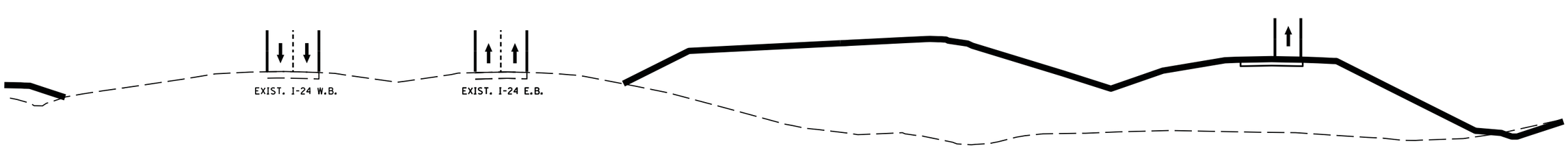
PROPOSED PHASING
I–69 SOUTHBOUND STA. 5610+00 TO
I–24 EASTBOUND STA. 3634+00



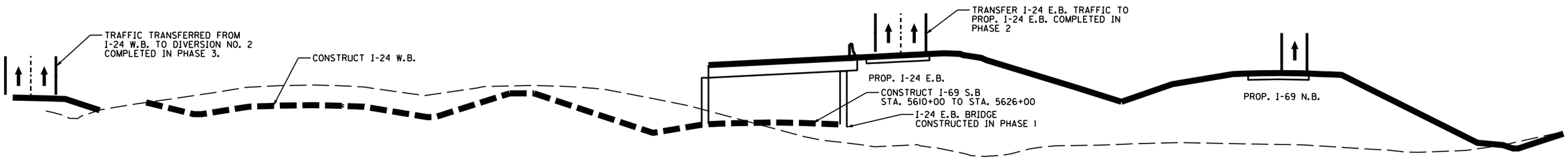
PHASE 1



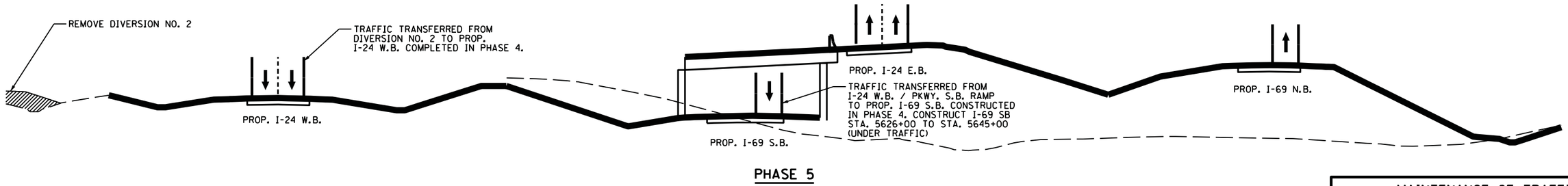
PHASE 2



PHASE 3



PHASE 4



PHASE 5

SCALE: 1"=20'

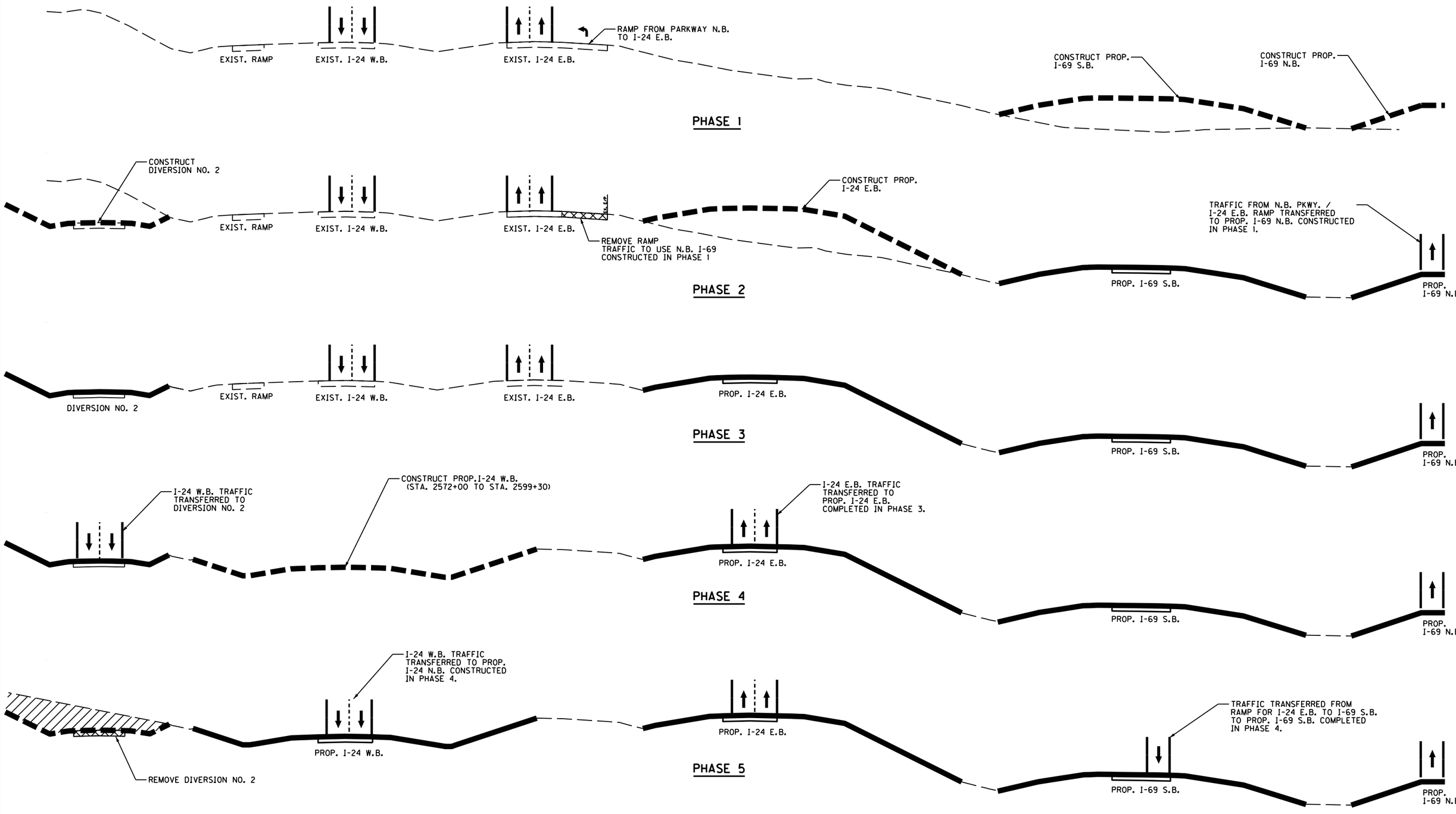
MAINTENANCE OF TRAFFIC
PHASING TYPICAL SECTIONS 3 OF 4
I-69 SB 5610+00 TO I-24 EB 3634+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R07106
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0720

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	00-800.00	R72

PROPOSED PHASING
I–24 EASTBOUND
STA. 2551+90 TO STA. 3588+00



NOTE: I-24 ACCELERATION LANE CONSTRUCTED UNDER TRAFFIC FROM STA. 2551+90 TO STA. 2566+00

SCALE: 1"=20'

MAINTENANCE OF TRAFFIC PHASING TYPICAL SECTIONS 4 OF 4 I-24 EB BEGINNING TO STA. 3588+00

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R73

2555+00
2560+00
2565+00
2570+00
2575+00
2580+00
3565+00
3570+00
3575+00
4605+00
4600+00
4595+00
4590+00
340+00
335+00
95+00
90+00
100+00
215+00
210+00
205+00
3580+00
5605+00
5600+00
5595+00
5590+00
1605+00
1600+00
1595+00
1590+00

CONSTRUCT TEMPORARY PAVEMENT (SEE SHEET R95)

DIVERSION NO. 1
STA. 90+50
BEGIN CONSTRUCTION

CONSTRUCT DIVERSION NO. 1

DIVERSION NO. 1
STA. 103+17
END CONSTRUCTION

NOTE:
PARKWAY ADVISORY SPEED LIMIT SIGNS SHALL BE IMPLEMENTED AS DETAILED ON SHEET R68.

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC PHASE 1A SHEET 1 OF 1

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0730

USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R74

CONSTRUCT I-69 SB BRIDGE

REMOVE RAMP

NB PARKWAY LANE CLOSURE
(SEE SHEET R97)

I-69 NB
STA. 1556+58
BEGIN CONSTRUCTION UNDER TRAFFIC

RAMP A
STA. 300+00
BEGIN CONSTRUCTION

I-69 NB STA. 1579+00
END CONSTRUCTION UNDER TRAFFIC
BEGIN CONSTRUCTION OFFLINE

I-69 SB
STA. 5586+00
BEGIN CONSTRUCTION

RAMP A
BRIDGE TO BE
CONSTRUCTED
IN PHASE 2

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 1B
SHEET 1 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0740
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R75

2555+00
2560+00
2565+00
2570+00
2575+00
2580+00
3565+00
3570+00
3575+00
3580+00
4605+00
4600+00
4595+00
4590+00
3405+00
3400+00
215+00
210+00
205+00
5605+00
5600+00
5595+00
5590+00
1605+00
1600+00
1595+00
1590+00
335+00
340+00

45:1 TAPER

I-24 EB
STA. 3583+00
BEGIN CONSTRUCTION

REMOVE RAMP

ADVISORY SPEED LIMIT 35 MPH

RAMP A
STA. 335+00
END CONSTRUCTION

NB PARKWAY LANE CLOSURE (SEE SHEET R97)

RAMP A BRIDGE TO BE CONSTRUCTED IN PHASE 2.

CONSTRUCT I-69 NB BRIDGE

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC PHASE 1B SHEET 2 OF 4

MicroStation v8.11.7.443
E-SHEET NAME:
USER: cweller
DATE PLOTTED: August 6, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0750

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R76

205+00
2585+00
2590+00
2595+00
5610+00
3585+00
5615+00
5620+00
5625+00
5630+00
5635+00
3610+00
3605+00
3590+00
3595+00
3600+00
1620+00
1615+00
1610+00

CONSTRUCT I-24 EB BRIDGE

I-69 SB
STA. 5610+00
END CONSTRUCTION

I-69 NB STA. 1620+05

I-24 EB
STA. 3605+56
BEGIN CONSTRUCTION
UNDER TRAFFIC

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

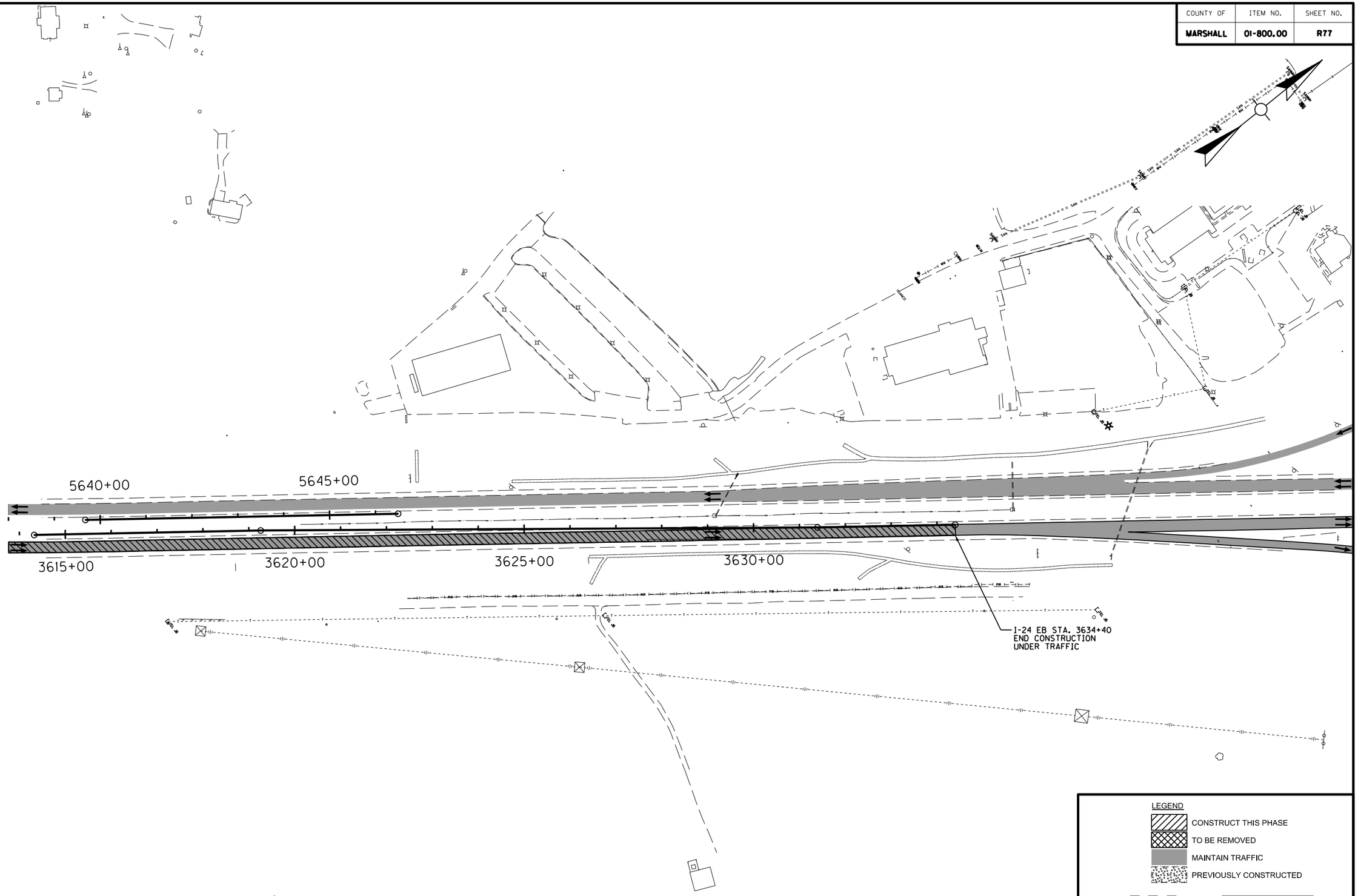
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 1B
SHEET 3 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller | DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)-R076

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R77



LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

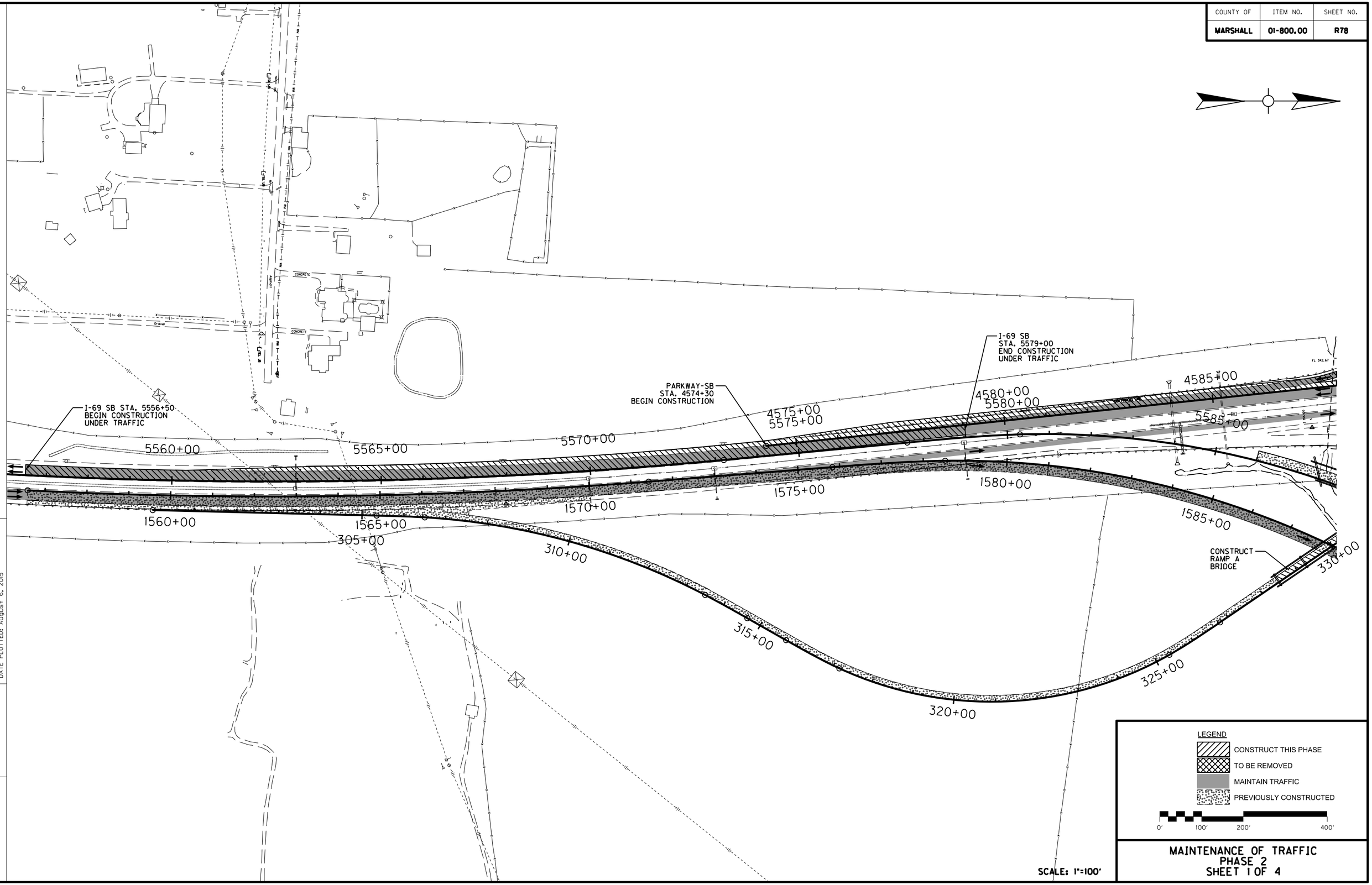
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 1B
SHEET 4 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)R07706.dgn
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R78



SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 2
SHEET 1 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)-R0780

USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R79

2555+00
2560+00
2565+00
2570+00
105+00
110+00
115+00
205+00
210+00
215+00
3565+00
3570+00
3575+00
3580+00
4605+00
4600+00
4595+00
4590+00
340+00
335+00
330+00
95+00
100+00
90+00
5605+00
5600+00
5595+00
1605+00
1600+00
1595+00
1590+00

DIVERSION NO. 2
STA. 101+20
BEGIN CONSTRUCTION

DIVERSION NO. 2
STA. 111+00
END CONSTRUCTION

DIVERSION NO. 2

DIVERSION NO. 2
STA. 115+00
BEGIN CONSTRUCTION

DIVERSION NO. 2

PARKWAY SB
STA. 4600+00
END CONSRUCTION

I-24 EB
STA. 3566+90
BEGIN CONSTRUCTION

RAMP A
STA. 343+25
END CONSTRUCTION

REMOVE RAMP

I-24 EB
STA. 35283+00
END CONSTRUCTION

TEMPORARY
PAVEMENT

SEE NOTE
BELOW

REMOVE
DIVERSION NO. 1

CONSTRUCT RAMP A
BRIDGE

FL 343.53
10" x 4" RCPC
FL 343.40
FL 340.9

NOTE:
RAMP A PARTIAL CONSTRUCTION BETWEEN
STA. 335+00 TO STA. 343+25.
NB PARKWAY TEMPORARY WIDENING CONSTRUCTED
IN PHASE 1B. SEE RAMP A PHASE CONSTRUCTION
SHEETS R95 & R96.

LEGEND
- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 2
SHEET 2 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R079

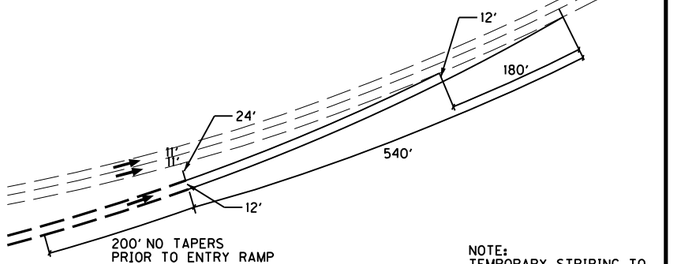
USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R80

I-69 NB TEMPORARY MERGE TO EXISTING I-24 EB



NOTE:
TEMPORARY STRIPING TO
M.U.T.C.D. FIG. 3B-9B

END CONSTRUCTION
DIVERSION NO. 2
STA. 145+50

DIVERSION NO. 2

205+00 120+00 125+00 130+00 135+00 140+00 145+00
2585+00 2590+00 2595+00 5620+00 5625+00 5630+00 5635+00 3610+00
5610+00 5615+00 3605+00
3585+00 3590+00 3595+00 3600+00
1610+00 1615+00 1620+00

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

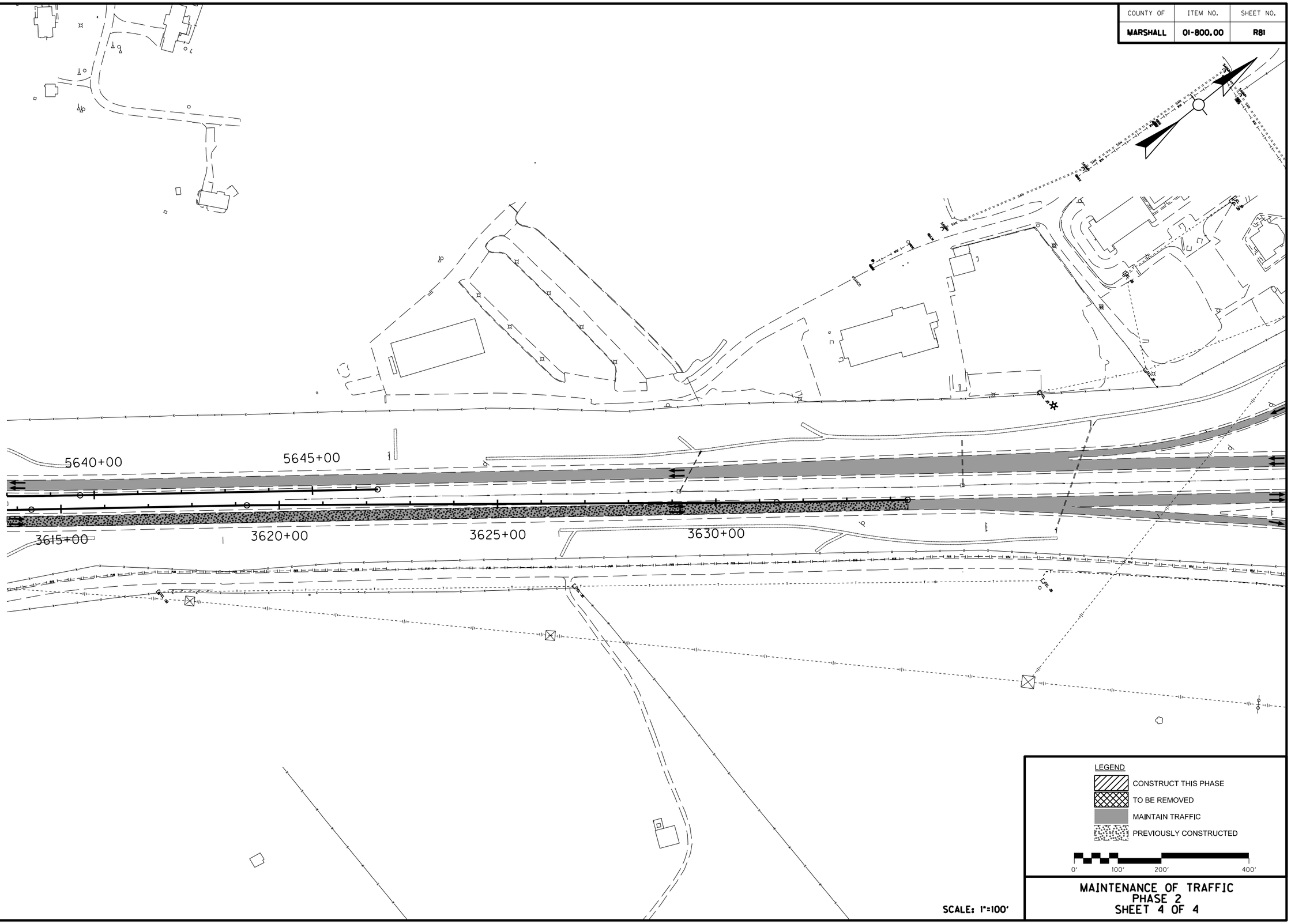
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 2
SHEET 3 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller | DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R80800

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R81



LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

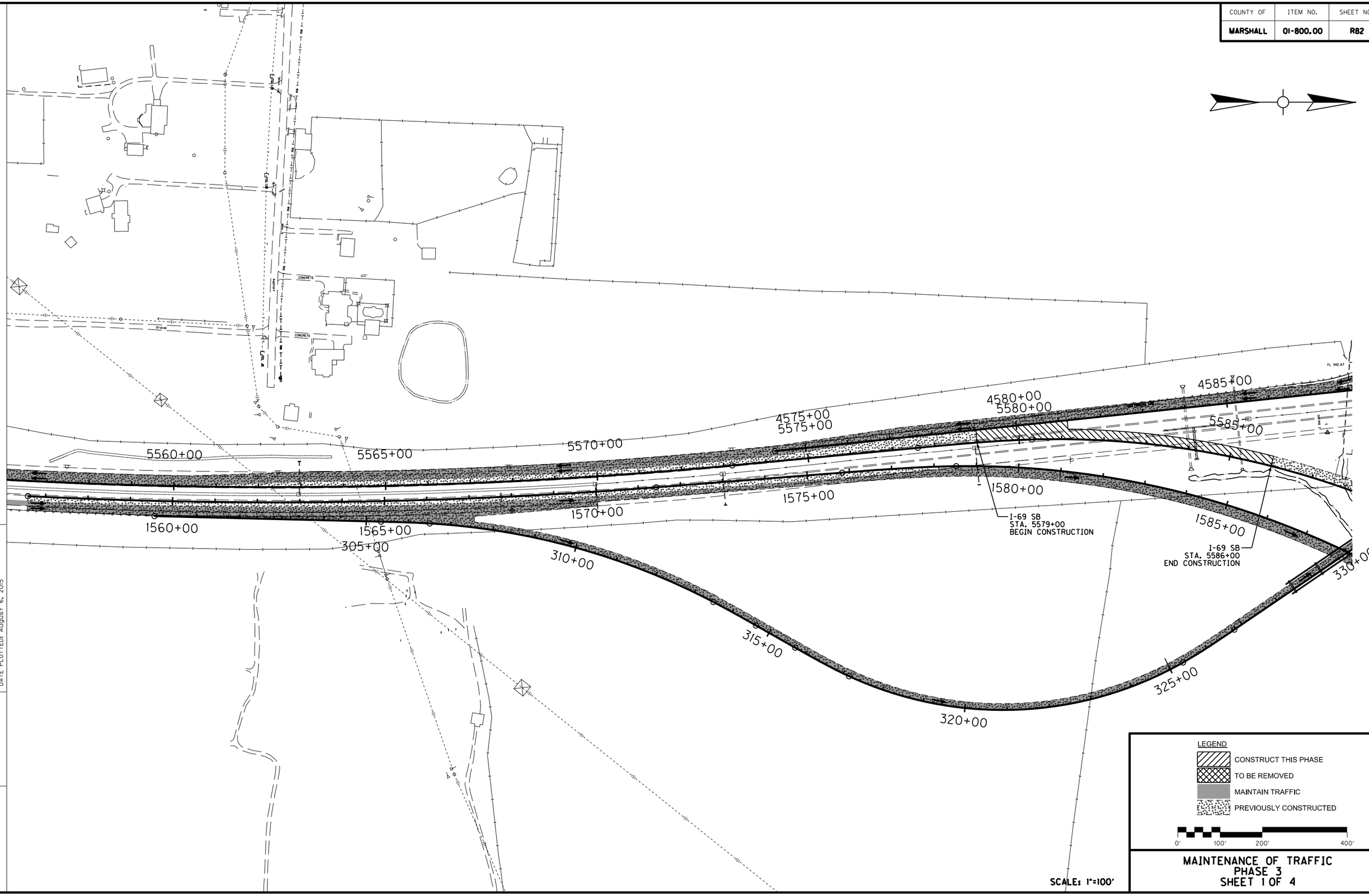
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 2
SHEET 4 OF 4

MicroStation v8.11.7.443
E-SHEET NAME:
USER: cweller
DATE PLOTTED: August 6, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R80106

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R82



SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 3
SHEET 1 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R08206
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R83

SB PARKWAY LANE DROP
(SEE SHEET R96A)

2555+00
2560+00
2565+00
2570+00
2575+00
2580+00
3565+00
3570+00
3575+00
3580+00
4605+00
4600+00
4595+00
4590+00
340+00
335+00
330+00
215+00
210+00
5605+00
5600+00
5595+00
1605+00
1600+00
1595+00
1590+00

DIVERSION NO. 2

DIVERSION NO. 2

RAMP A
STA. 343+25
END CONSTRUCTION

COMPLETE
RAMP A

RAMP A
STA. 335+00
BEGIN CONSTRUCTION

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 3
SHEET 2 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0830

USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R84

205+00
2585+00
2590+00
5615+00
3610+00
3585+00
3590+00
1610+00
1615+00
3595+00
1620+00
3600+00
3605+00
5620+00
2595+00
5625+00
5630+00
5635+00
3610+00

DIVERSION NO. 2

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 3
SHEET 3 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller | DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0840

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R85

5640+00

5645+00

3615+00

3620+00

3625+00

3630+00

Line 3

Line 4

Line 5

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 3
SHEET 4 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0850

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R86

EXISTING RAMP CLOSED.
TRAFFIC DETOUR VIA
U.S. 62 INTERSECTION

COMPLETE DIVERSION
NO. 2 AND CONSTRUCT
TEMP TIE TO
EXISTING RAMP

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

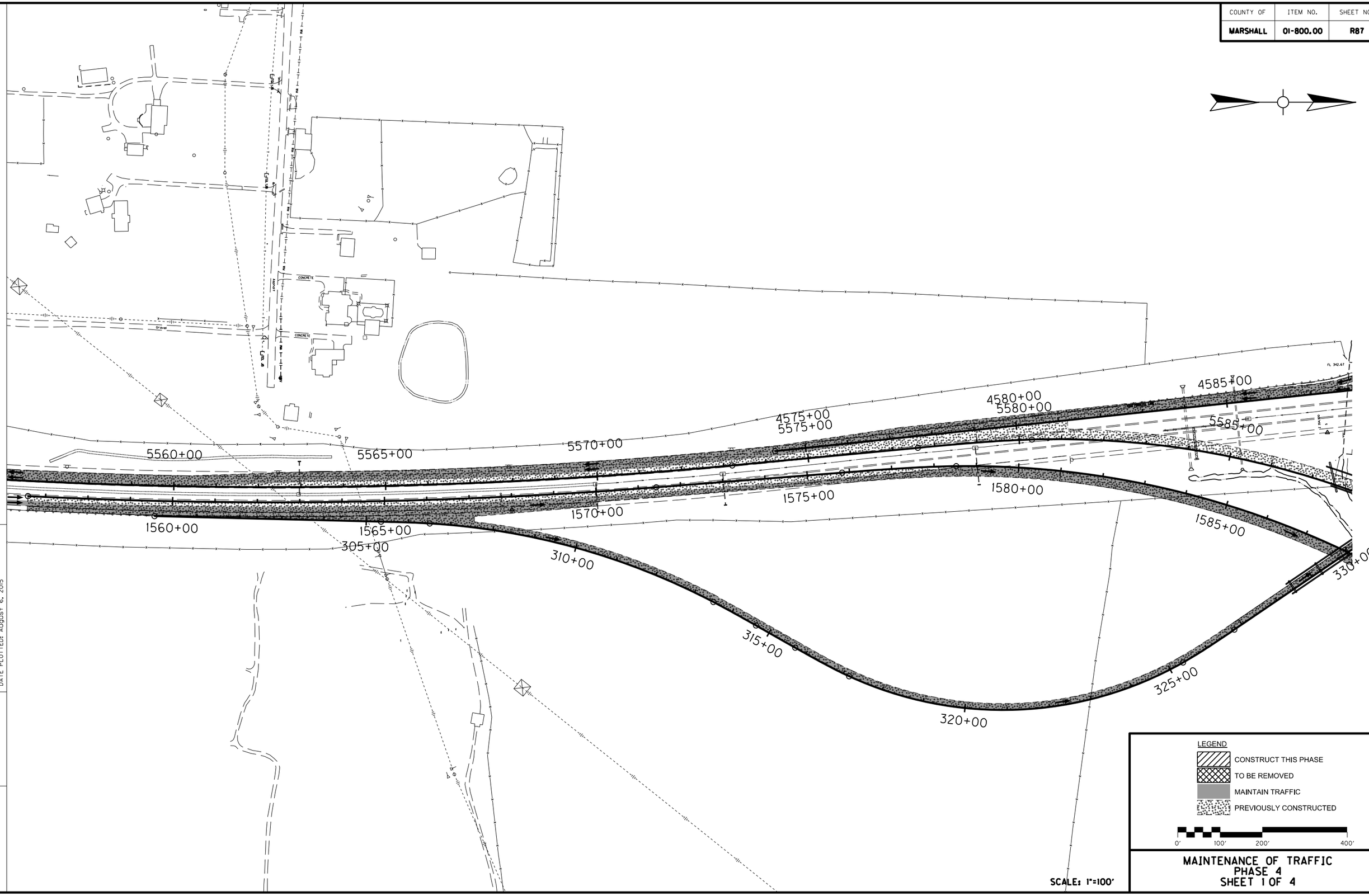
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 3A
SHEET 1 OF 1

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)R0860

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R87



LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 4
SHEET 1 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)_R087

USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R88

2555+00
2560+00
2565+00
2570+00
3565+00
3570+00
3575+00
4605+00
4600+00
4595+00
4590+00
340+00
335+00
330+00
215+00
210+00
205+00
2575+00
2580+00
3580+00
5605+00
5600+00
5595+00
1605+00
1600+00
1595+00
1590+00

I-24 WB
STA. 2572+00
BEGIN CONSTRUCTION

DIVERSION NO. 2

RAMP G
STA. 207+00
END CONSTRUCTION

FL 343.53
10" x 4.80%
FL 343.40
FL 343.09

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 4
SHEET 2 OF 4

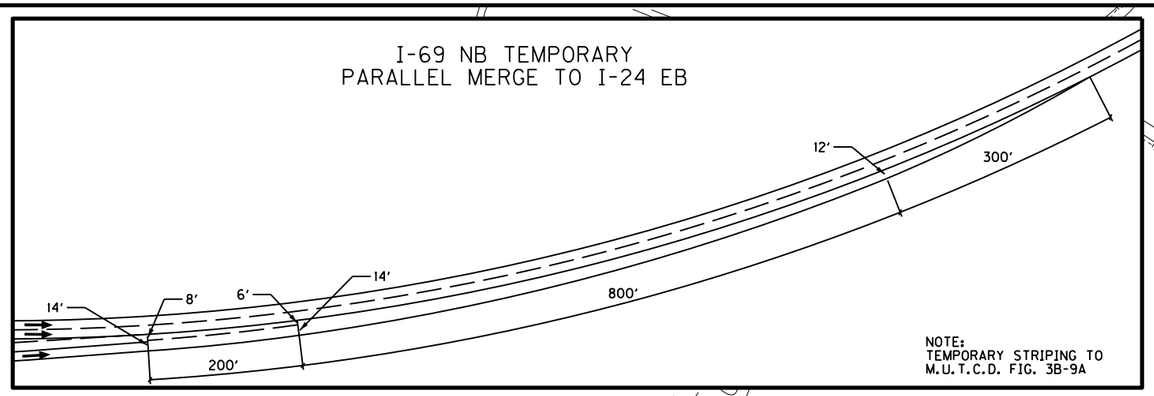
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R088

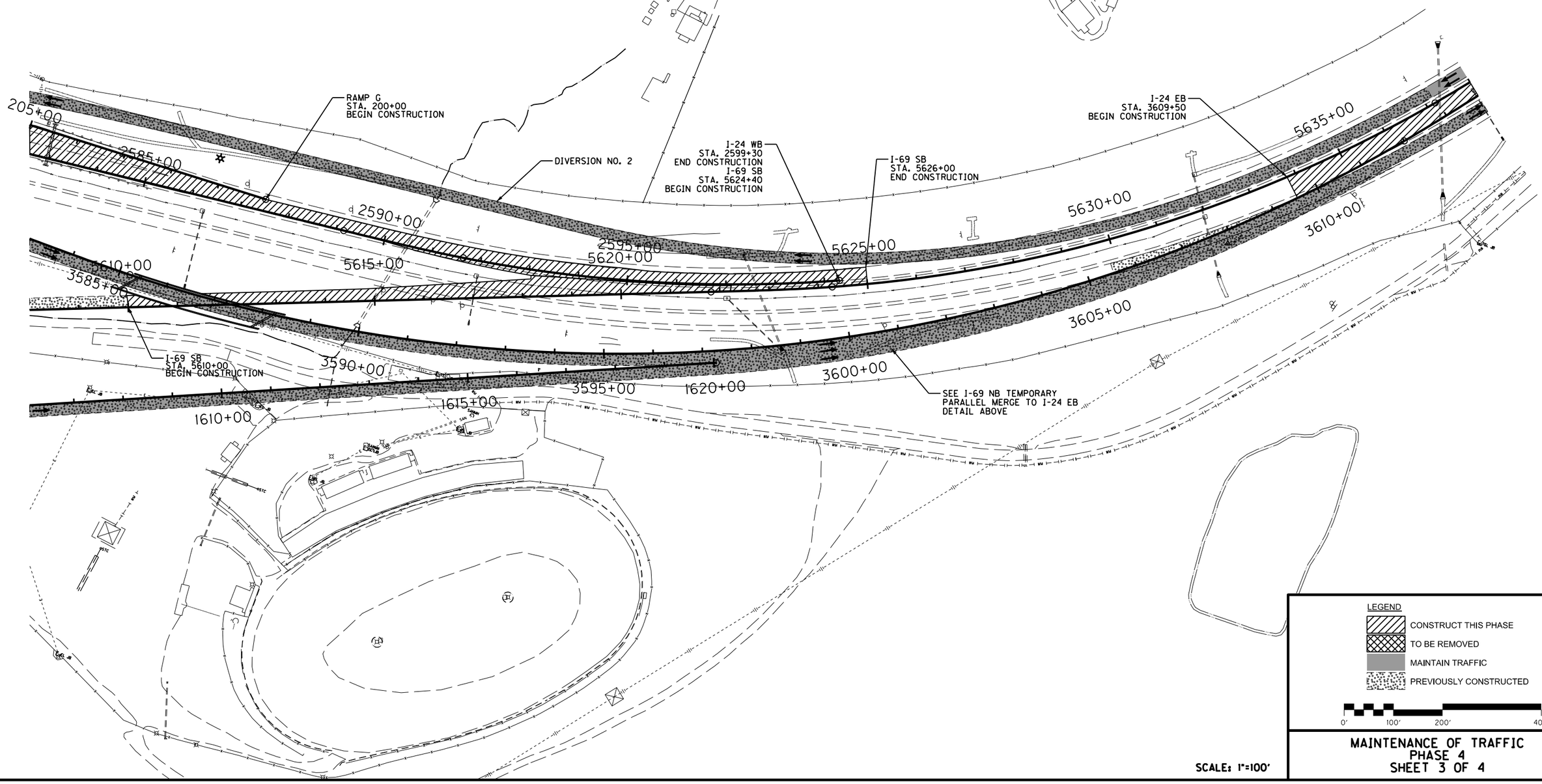
USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R89





LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 4
SHEET 3 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller | DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)R0890

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R90

5640+00

5645+00

3615+00

3620+00

3625+00

3630+00

I-24 EB
STA. 3623+00
END CONSTRUCTION
OF MEDIAN BARRIER WALL

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

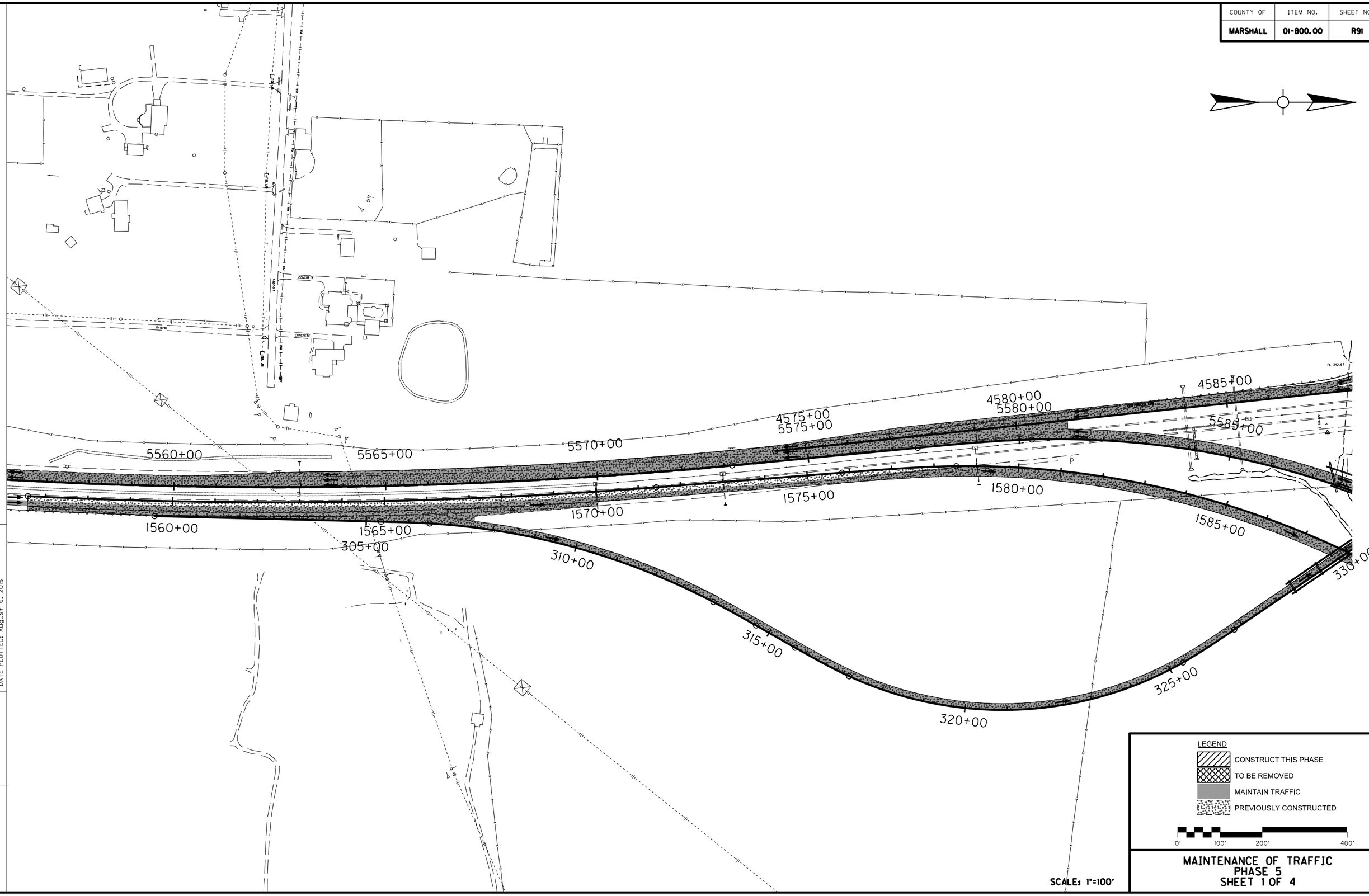
0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 4
SHEET 4 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R09000

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R91



LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 5
SHEET 1 OF 4

MicroStation v8.11.7.443
E-SHEET NAME:
USER: cweller
DATE PLOTTED: August 6, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0910

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R92

I-24 WB STA. 2551+90
BEGIN ACCELERATION
LANE CONSTRUCTION

PHASE 3 LANE DROP TO BE REMOVED
AND ULTIMATE LANE CONFIGURATION
TO BE ESTABLISHED

REMOVE I-24 WB
TO PARKWAY
LOOP RAMP

I-24 WB
STA. 2566+00
END ACCELERATION
LANE CONSTRUCTION

RAMP G
STA. 216+00
END CONSTRUCTION

CLOSE I-24 WB TO PARKWAY NB
RAMP. DETOUR TRAFFIC VIA
U.S. 60 INTERSECTION

REMOVE
DIVERSION NO. 2

REMOVE
DIVERSION NO. 2
& TEMP. TIE

RAMP G
STA. 207+00
BEGIN CONSTRUCTION

2555+00
2560+00
2565+00
2570+00
3565+00
3570+00
3575+00
4605+00
4600+00
4595+00
3405+00
4590+00
3355+00
3350+00
2580+00
2585+00
2590+00
2595+00
2600+00
2605+00
2610+00
3580+00
5605+00
5600+00
5595+00
1605+00
1600+00
1595+00
1590+00

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

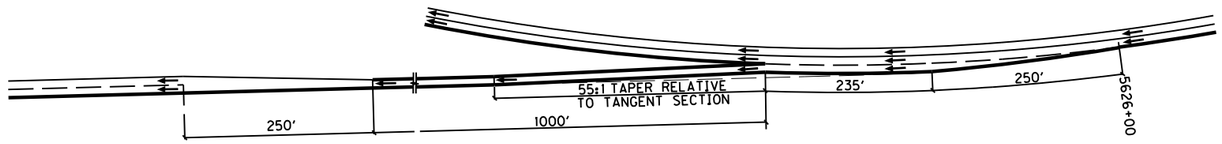
SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 5
SHEET 2 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R09206
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R93

I-69 SB TEMPORARY PARALLEL DIVERGE



NOTE:
TEMPORARY STRIPING TO M.U.T.C.D. FIG. 3B-8A

REMOVE DIVERSION NO. 2

SEE I-69 SB TEMPORARY PARALLEL DIVERGE SEE DETAIL ABOVE

I-69 SB
STA. 5626+00
BEGIN CONSTRUCTION
UNDER TAFFIC

PARALLEL MERGE ESTABLISHED IN PHASE 4 (SEE SHEET R89)

205+00
2585+00
2590+00
2595+00
5610+00
5615+00
5620+00
5625+00
5630+00
5635+00
3585+00
3590+00
3595+00
3600+00
3605+00
3610+00
1610+00
1615+00
1620+00

LEGEND
- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC PHASE 5 SHEET 3 OF 4

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller | DATE PLOTTED: August 6, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R09306

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R94

I-69 SB
STA. 5645+00
END CONSTRUCTION

5640+00 5645+00 3615+00 3620+00 3625+00 3630+00

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=100'

MAINTENANCE OF TRAFFIC
PHASE 5
SHEET 4 OF 4

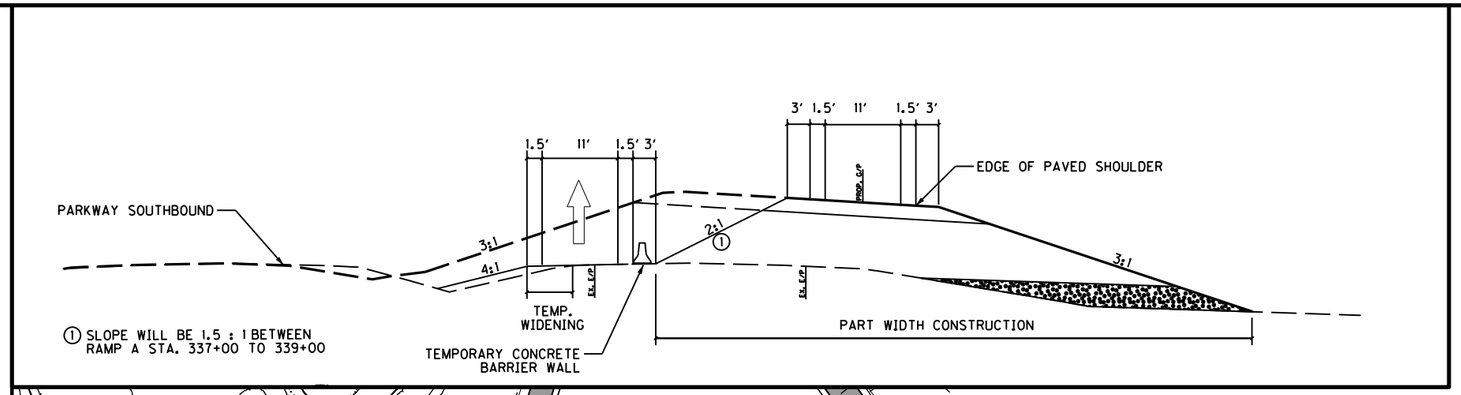
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0940

USER: cweller
DATE PLOTTED: August 6, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R95



TEMPORARY WIDENING OFFSETS & LANE SHIFT EDGE OF PAVEMENT (FROM RAMP A ALIGNMENT)		
STA.	OFFSET FOR TEMP. WIDENING	OFFSET FOR LANE SHIFT LT. EOP
334+04	--	148.1'
334+45	128.4'	--
334+50	126.0'	124.4'
335+00	101.8'	100.1'
335+50	80.7'	79.2'
336+00	63.7'	62.1'
336+50	50.2'	48.6'
337+00	39.6'	38.1'
337+50	31.9'	30.4'
338+00	26.9'	25.4'
338+50	24.2'	22.7'
339+00	22.8'	21.3'
339+50	21.7'	20.2'
340+00	20.2'	18.7'
340+50	18.3'	16.8'
341+00	16.1'	14.6'
341+04	15.9'	--
341+50	--	11.9'
342+00	--	9.0'
342+50	--	6.5'
343+00	--	4.4'
343+23	--	3.5'

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

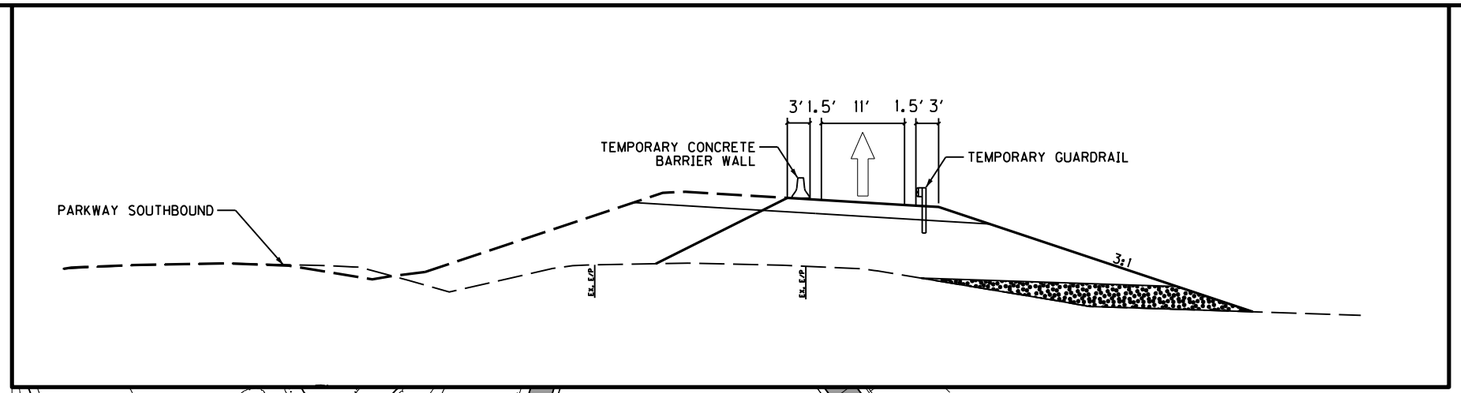
0' 100' 200' 400'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC RAMP A PHASE CONSTRUCTION SHEET 1 OF 2

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0950
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R96



LT. STA. 332+98 TO STA. 339+98
CONCRETE BARRIER WALL
TYPE 9T 700 LF

RAMP A COMPLETED IN PHASE 3

TEMPORARY GUARDRAIL

TRAFFIC TRANSFERRED TO RAMP A LANE SHIFT CONSTRUCTED IN PHASE 2.

TEMPORARY CONCRETE BARRIER WALL

LEGEND

- CONSTRUCT THIS PHASE
- TO BE REMOVED
- MAINTAIN TRAFFIC
- PREVIOUSLY CONSTRUCTED

0' 100' 200' 400'

SCALE: 1"=50'

MAINTENANCE OF TRAFFIC
RAMP A PHASE CONSTRUCTION
SHEET 2 OF 2

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R0960
USER: cweller
DATE PLOTTED: August 6, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R96A

ONLY

ONLY

ONLY

OH Sign

460'

540'

45:1 TAPER

500'

500'

High Mast Lighting

NOTE:

1. TEMPORARY STRIPING TO M.U.T.C.D. FIG. 3B-10A

2. WORK ZONE POSTED SPEED LIMIT WILL BE 45MPH

MAINTENANCE OF TRAFFIC
SB PARKWAY - PHASE 3
LANE DROP

SCALE: 1"=100'

MicroStation v8.11.9.578
E-SHEET NAME:
USER: korider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R096

COUNTY OF	ITEM NO.	SHEET NO.
MASHALL	01-800.00	R97

STA 94+65 CONSTRUCT 95 LF OF TEMPORARY PIPE WITH A MINIMUM OPENING OF 7 SF

LT STA 97+00 TO STA. 101+10 CONSTRUCT 400 LF OF TEMPORARY GUARDRAIL

DIVERSION NO. 1
PI STA 94+11.00
Δ = 79°09'01" RT
Ts = 289.29
Ls = 483.50'
Lc = 445.26'
Os = 16°22'13"
R = 350.00'
Es = 104.08'
e = 6.00%
Runoff = 116') SEE CROSS
Runout = 38.67') SECTIONS

DIVERSION NO. 1
PI STA 101+30.04
Δ = 5°13'00" LT
Ts = 186.78
Ls = 373.30'
Lc = 373.17'
Os = 1°23'51"
R = 4100
Es = 4.25'
e = N.C.
Runoff = N.A.
Runout = N.A.

PARKWAY, SOUTHBOUND

PI 94+11.00

I.E. 345.15

O.E. 344.85

TEMP PIPE

PC 91+21.71

PT 96+05.21

N 08°00'41" W

N 73°68'21" E

PC 97+66.22

PI STA 98+56.68°

PCC 99+43.26

PI 101+30.04

DIVERSION NO. 1

15" CMP FL 345.05

TG 351.15 FL 347.80

TG 350.73 FL 346.33

FL 344.17

36" PIPE

FL 343.66

DBL 20'X8' BOX FL 342.67

FL 342.19

Z 354.380 5

30" CMP

FL 343.08

High Mast Lighting

Asphalt

GRASS

4590+00

90+00

95+00

100+00

I-69 SOUTHBOUND

I-69 NORTHBOUND

5589+37.89 SB I-69=
331+69.48 RAMP A

1588+07.50 NB I-69=
330+02.44 RAMP A

RAMP A

5590+00

5585+00

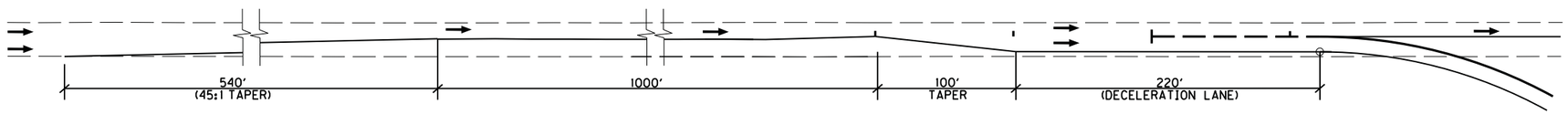
5580+00

5595+00

1585+00

1595+00

DIVERSION NO. 1
PI STA 98+56.68
Δ = 28°58'54" LT
Ts = 90.46
Ls = 177.04'
Lc = 175.16'
Os = 16°22'13"
R = 350
Es = 11.50'
e = 6.00%
Runoff = 116') SEE CROSS
Runout = 38.67') SECTIONS



LANE CLOSURE DETAIL
PARKWAY NORTHBOUND

N.T.S.

DIVERSION NO. 1
DESIGN SPEED
35 MPH

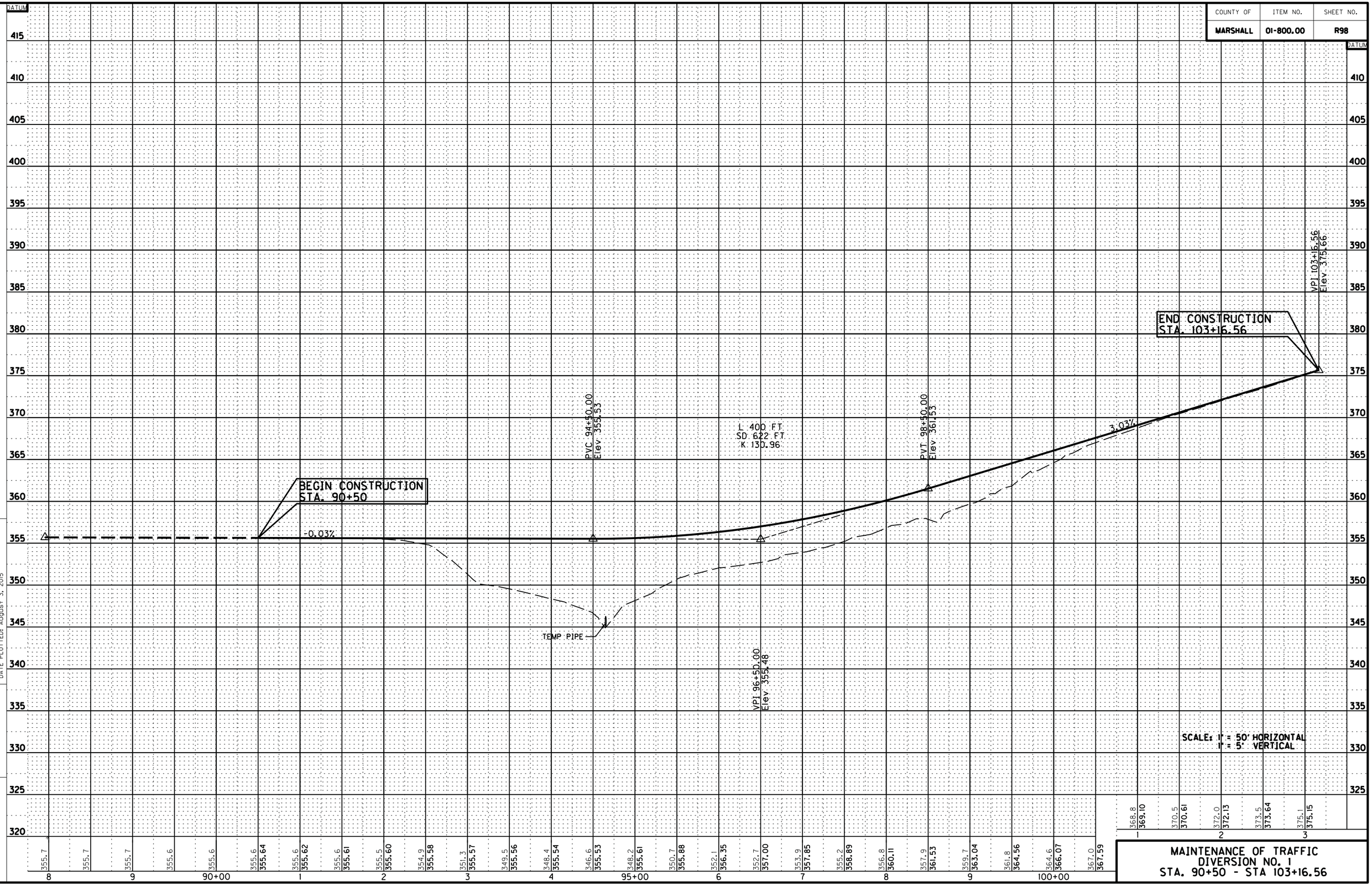
SCALE: 1"=50'

MAINTENANCE OF TRAFFIC
DIVERSION NO. 1

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS).R09706
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R98

DATUM 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320



355.7 355.7 355.7 355.6 355.6 355.6 355.64 355.6 355.62 355.6 355.61 355.5 355.60 354.9 355.58 351.3 355.57 349.5 355.56 348.4 355.54 346.6 355.53 348.2 355.61 350.7 355.88 352.1 356.35 352.7 357.00 353.9 357.85 355.2 358.89 356.8 360.11 357.9 361.53 359.7 363.04 361.8 364.56 364.6 366.07 367.0 367.59

8 9 90+00 1 2 3 4 95+00 6 7 8 9 100+00

368.8 369.10 370.5 370.61 372.0 372.13 373.5 373.64 375.1 375.15

1 2 3

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MAINTENANCE OF TRAFFIC DIVERSION NO. 1 STA. 90+50 - STA 103+16.56

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)R0980

USER: cweller
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R99

High Mast Lighting

Grass

Grass

42" CMP

24'

TO CALVERT CITY

FL 353.00

TG 357.68
FL 354.93

15" CMP

PI STA 104+90.59
Δ = 6°10'10" LT
Ts = 507.12'
Lc = 1013.25'
Os = 0°36'32"
R = 9410.00'
Es = 13.65'
e = N.C.
Runoff = N/A
Runout = N/A

4602+30.03 SB JC PKWY.=
2565+74.49 WB I-24

101+20 DIVERSION NO. 2 =
2567+20.18 WB I-24 - 12' LEFT

Paved Ditch

FL 349.02

10'X4' RCBC

EXISTING 2 SPAN BR.
(TO REMAIN)

Cantilever
Sign

15" CMP

FL 354.14

FL 352.93

30" CMP

100+00

WB I-24 Asphalt

I-24

EB I-24 Asphalt

60'

PC 99+83.47

TG 379.41
FL 376.46

11'
11'

24'
12'

MATCH LINE STA 104+00

EXISTING 2 SPAN BR.
(TO REMAIN)

Cantilever
Sign

15" CMP

FL 354.39

FL 346.67

FL 349.35

4601+70.03 SB JC PKWY.=
3565+74.52 EB I-24

Grass

High Mast Lighting

Grass

Grass

EXIST. R/W & CA LINE

JULIAN CARROLL PKWY.

12'

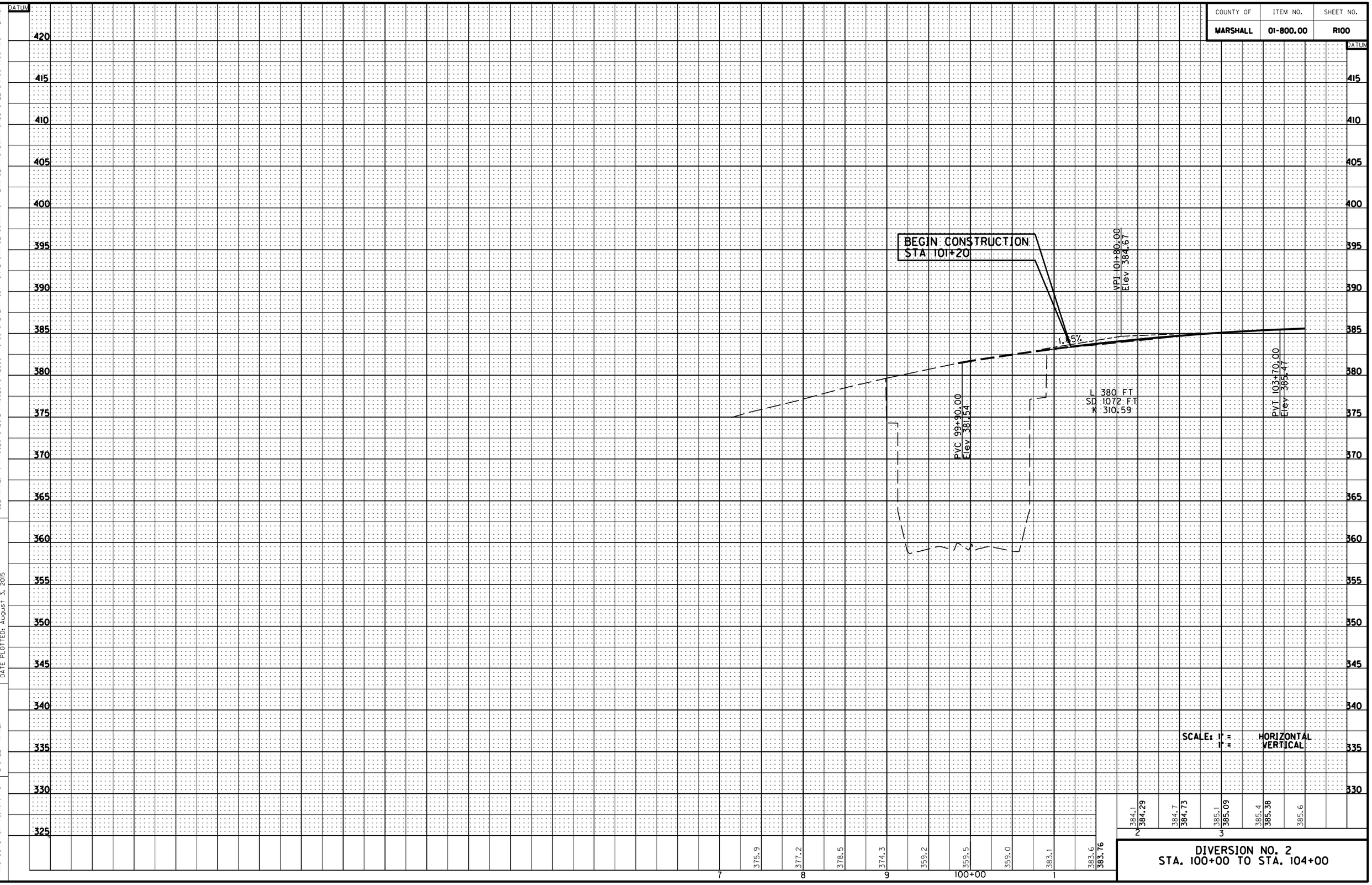
DIVERSION NO. 2
DESIGN SPEED
55 MPH

SCALE: 1"= 50'

MAINTENANCE OF TRAFFIC
DIVERSION NO. 2
STA. 100+00 TO STA. 104+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0990

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R100



SCALE: 1" = HORIZONTAL
1" = VERTICAL

DIVERSION NO. 2
STA. 100+00 TO STA. 104+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R100G.dgn
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R101

STA. 108+42 TO STA. 119+00
CONCRETE BARRIER WALL
TYPE 9T 1058 LF

PI STA 104+90.59
Δ = 6°10'10" LT
Ts = 507.12'
Lc = 1013.25'
Os = 0°36'32"
R = 9410.00'
Es = 13.65'
e = N.C.
Runoff = N/A
Runout = N/A

PI STA 115+03.84
Δ = 6°10'10" RT
Ts = 507.12'
Lc = 1013.25'
Os = 0°36'32"
R = 9410.00'
Es = 13.65'
e = N.C.
Runoff = N/A
Runout = N/A

RAMP G

JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

EXIST.R/W & CA LINE

Woven Wire

OH Electric

207+33.74
116.68'
WB I-24 RAMP

204+83.13
156.12'
WB I-24 RAMP

Temp.Esm't. For Diversion

N 80°42'12" E
231.68'

115+00

N 89°36'14" W
235.25'

204+90.19
94.78'
WB I-24 RAMP

S 42°12'29" W
61.75'

S 80°42'12" W
637.41'

206+64.21
96.92'
WB I-24 RAMP

OH Electric
N 89°36'14" W
165.25'

Paved Ditch

Electric Service

OH Sign

105+00

110+00
PRC 109+96.73

PI 115+03.84

Asphalt

GRASS

MATCH LINE STA 104+00

MATCH LINE STA 119+00

PI 104+90.59

WB I-24

Asphalt

EB I-24

CONCRETE BARRIER WALL

High Mast Lighting

Asphalt

GRASS

SCARIFY PAVEMENT

5601+62.84
175.52'
SB I-69

Paved Ditch

Asphalt

EXIST.R/W & CA LINE

5601+74.18
133.80'
SB I-69

R=9410.00'
L=384.35'
LC 384.08'
N 82°11'45" E

N 79°48'20" E 193.24'

N 86°20'15" E 956.14'

EXIST.R/W & CA LINE

5605+36.57
174.90'
SB I-69

5607+22.79
136.88'
SB I-69

P/10

CLOVER LEAF REALTY,LLC

SB I-69

SCALE: 1"= 50'

MAINTENANCE OF TRAFFIC
DIVERSION NO. 2
STA. 104+00 TO STA. 119+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: cweller DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R0100

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R102

DATUM

420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325

VPI 108+00.00
Elev 387.29

0.42%

0.50%

PVC 112+50.00
Elev 389.54

VPI 114+00.00
Elev 390.29

L 300 FT
SD 595 FT
K 123.75

-1.92%

PVT 115+50.00
Elev 387.40

-1.80%

+50
F.L. 387.40

+00
F.L. 386.50

SPEC "V" DT. RT.
(PLOTTED 10 BELOW DATUM)

-0.50%

+50
F.L. 383.75

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R103

RT. STA 119+00 TO STA. 130+00
CONCRETE BARRIER WALL
TYPE 9T 1100 LF

STA. 124+91
CONSTRUCT 75 LF OF
TEMPORARY PIPE WITH A
MINIMUM OPENING OF 19.5 SF

STA. 125+50
CONSTRUCT 81 LF OF
TEMPORARY PIPE WITH A
MINIMUM OPENING OF 1.7 SF

STA. 129+50
CONSTRUCT 64 LF OF
TEMPORARY PIPE WITH A
MINIMUM OPENING OF 1.7 SF

STA. 131+19
CONSTRUCT 40 LF OF
TEMPORARY PIPE WITH A
MINIMUM OPENING OF 4.8 SF

RT. STA. 130+00
CONSTRUCT TEMPORARY
CRASH CUSSION

PI STA 115+03.84
Δ = 6°10'10" RT
Ts = 507.12'
Lc = 1013.25'
Os = 0°36'32"
R = 9410.00'
Es = 13.65'
e = N.C.
Runoff = N/A
Runout = N/A

PI STA 1134+70.34
Δ = 34°19'03" LT
Ts = 682.37
Lc = 1323.69'
Os = 2°35'33"
R = 2210.00
Es = 102.95'
e = 4.60%
Runoff = 117'
Runout = 51'

P/1 JULIE SMITH ROBERTSON AND DAVID E.SMITH,JR.

P/2 DAVID J. WAGNER AND SHERRI A. VAN HORN

P/3 CHARLES WELDON PECK

P/10 CLOVER LEAF REALTY,LLC

P/10 CLOVER LEAF REALTY,LLC

120+00 · 125+00 · 130+00

PT 120+09.98

N 80°42'12" E 627.64'

N 89°45'12" E 237.03'

N 89°45'12" E 15.03'

Temp.Esm't. For Diversion

2589+01.64 247.80' WB I-24

2591+45.84 221.22' WB I-24

2591+61.91 219.10' WB I-24

Temp.Esm't. For Diversion

R= 2585.18' L 623.02' N 74°33'20" E LC 621.52'

2598+37.26 220.50' WB I-24

2598+35.84 161.03' WB I-24

S 20°54'16" E 59.48'

IP

EXIST.R/W & CA LINE

S 89°45'12" W 592.04'

2589+00.33 187.62' WB I-24

I.E. 356.80

S 18°28'35" E 63.11'

I.E. 360.00

2591+57.76 159.04' WB I-24

R= 2678.34' L 639.80' S 74°33'44" W LC 638.28'

F.L. 362.74

I.E. 360.60

TG 375.99
FL 358.99

MATCH LINE STA 133+00

Paved Ditch

Paved Ditch

Paved Ditch

Asphalt

Asphalt

Asphalt

Asphalt

Gravel

Gravel

Chain Link

Chain Link

Grass

Grass

Gravel

Gravel

Flood Lights

Flood Lights

TEMPORARY CONCRETE BARRIER WALL

RAMP G

WB I-24

EB I-24

SB I-69

NB I-69

MATCH LINE STA 119+00 WB DIVERSION

I.E. 363.99

I.E. 364.63

PC 127+87.91

60" CMP

12" CMP

15" CMP (BROKEN)

15" CMP

15" CMP

30" CMP

TG 379.51
FL 377.06

TG 370.60
FL 368.05

TG 365.00
FL 362.10

FL 359.23

FL 367.03

FL 361.20

FL 351.43

FL 355.24

FL 355.24

FL 336.99

1614+50.20 11.60' NB I-69

1615+92.85 8.06' NB I-69

N 66°09'16" E 142.69'

N 86°20'15" E 956.14'

EXIST.R/W & CA LINE

TEL JB

JB

Generator

Ticket Booth

Ticket Booth

Ticket Booth

SANMH Top 377.37

SANMH Top 378.74

SANMH

Rest Room

EL JB

EL JB

EL JB

EL JB

EE

WM

PROP.R/W & C/A W/FENCE

S 6°01'15" W 301.50'

S 6°06'12" E 406.34'

SCARIFY PAVEMENT

EXIST. PERM. DRAINAGE ESM'T.

CONCESSIONS SKYBOX

CONCESSIONS SKYBOX

GRANDSTAND

WEIGH SCALE

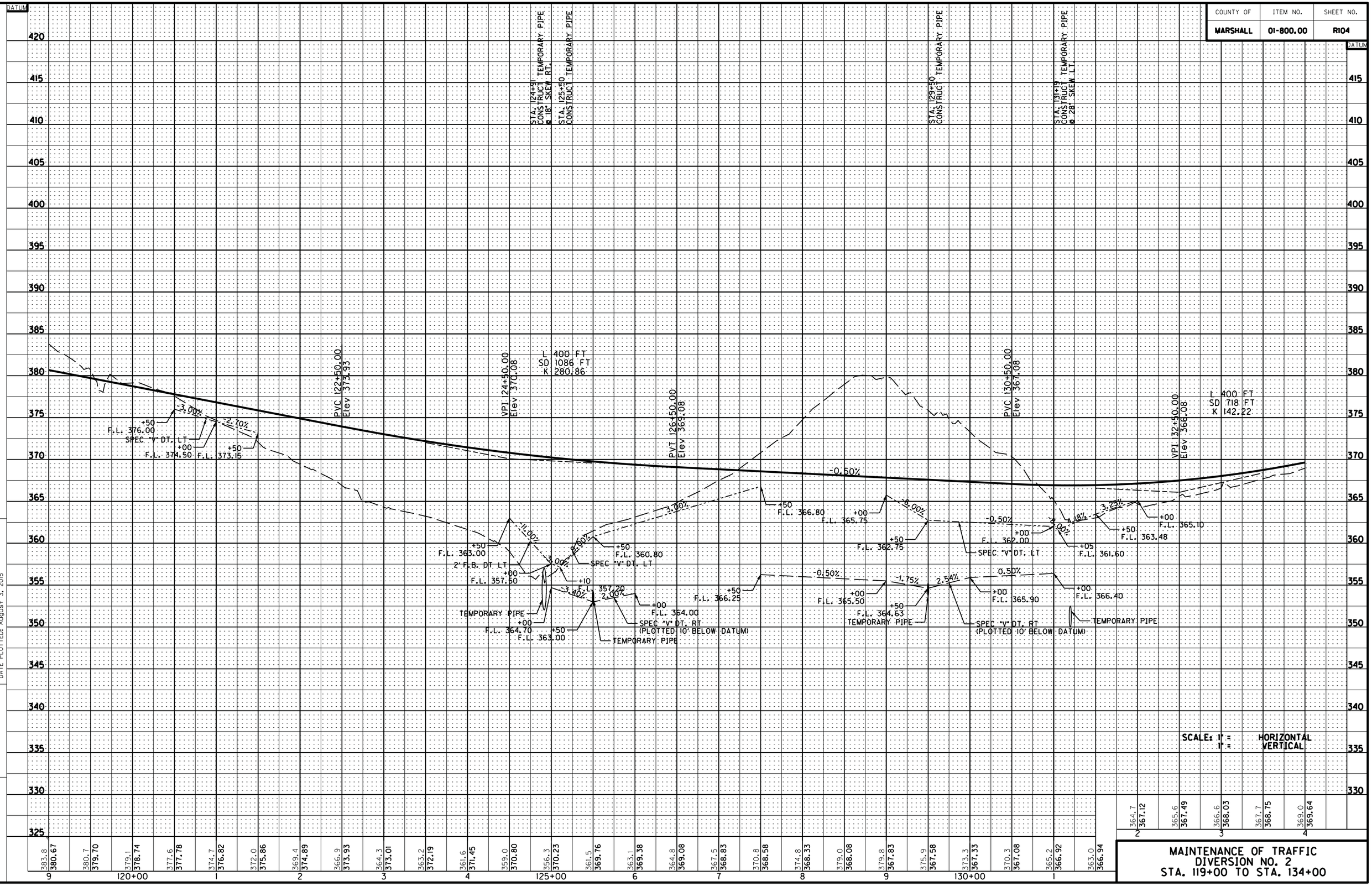
Kentucky Lake Speedway
Dirt Track

SCALE: 1"= 50'

MAINTENANCE OF TRAFFIC
DIVERSION NO. 2
STA. 119+00 TO STA. 134+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R103OG.dgn
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R104



SCALE: 1" = HORIZONTAL
1" = VERTICAL

MAINTENANCE OF TRAFFIC DIVERSION NO. 2
STA. 119+00 TO STA. 134+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R1040

USER: cweller
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R105

PI STA 1134+70.34
Δ = 34°19'03" LT
Ts = 682.37
Lc = 1323.69'
Os = 2°35'33"
R = 2210.00
Es = 102.95'
e = 4.60%
Runoff = 117'
Runout = 51'

P/3 CHARLES WELDON PECK

P/4 MICHAEL G.MORROW AND SUSAN E.MORROW (WF.)

I-STY-FRAME-RES

GAR.

DOUGLAS STORY

P/5 CRAIG M.JOLLEY AND TERRI JOLLEY (WF)

Wooded

MATCH LINE STA 133+00

135+00

140+00

145+00

EXIST.R/W & CA LINE

R= 2585.18'
L 752.52' N 59°18'45" E
LC 749.87'

Temp.Esm't. For Diversion

R= 2600.00'
L 831.80' S 58°48'15" W
LC 828.26'

5631+70.27
236.39'
SB I-69

5632+61.21
236.96'
SB I-69

EXIST.60' ESMT.

EXIST.60' ESMT.

R= 2585.18'
L 83.38' N 50°02'58" E
LC 83.38

5632+34.69
175.50'
SB I-69

S 49°27'38" E 60.00'

R=2585.18'
L 499.04' N 43°35'43" E
LC 498.27'

Temp.Esm't. For Diversion

5638+04.54
241.02'
SB I-69

5638+05.71
181.03'
SB I-69

R= 2600.00'
L 538.34' S 43°43'43" W
LC 535.39'

Paved Ditch

PI 134+70.34

SB I-69

EB I-24

TG 379.47
FG 379.47
FL 378.32

24" CMP

PCC 141+66

PI 143+43.26

PT 145+71.84

FL 380.81

Paved Ditch

EXIST.R/W & CA LINE

PROP.R/W & C/A W/FENCE

R=3310.00'
L 917.59' S 58°47'23" W
LC 914.65'

3603+19.55
111.54'
EB I-24

N 55°54'37" E 418.79'

150' TVA TRANSMISSION LINE EASEMENT

FL 349.23

FL 349.12

3606+00.00
160.00'
EB I-24

S 39°58'06" W 129.49'

3607+21.86
138.02'
EB I-24

TVA Tower

FL 347.16

DBL 36" CMP

FL 346.99

150' TVA TRANSMISSION LINE EASEMENT

Asphalt

Asphalt

TG 392.77
FL 390.22

15" CMP

FL 385.72

30" RCP

30" RCP

FL 371.97

Paved Ditch

36" RCP

FL 366.53

TEL JB

FL 365.29

P/10 CLOVER LEAF REALTY,LLC

P/10 CLOVER LEAF REALTY,LLC

SCALE: 1"=50

MAINTENANCE OF TRAFFIC
DIVERSION NO. 2
STA. 134+00 TO STA. 141+50

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R66-R106 (MOT PLANS)\R105OG.dgn
USER: cweller
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R106

DATUM 440 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345

PVT 134+50.00
Elev 370.71

2.31%

VPI 139+00.00
Elev 381.12

2.05%

VPI 141+50.00
Elev 386.25

END CONSTRUCTION
STA 141+50.00

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R107

205+00

6' PAVED SHOULDER

360' TAPER

RAMP G

200+00

10' PAVED SHOULDER

I-24 WESTBOUND

4' PAVED SHOULDER

2582+00

2585+00

24' LT 2587+46.70 WESTBOUND I-24 =
200+00.00 RAMP G

SCALE: 1"=20'

PLOTTED AT 1.5' ABOVE DATUM

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

2587+00

WB I-24 AND RAMP G
DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R107 DSI_WB I-24_RAMP G.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R108

I-69 SOUTHBOUND

4' PAVED SHOULDER

1562+00

1565+00

1567+00

I-69 NORTHBOUND

4' PAVED SHOULDER

12'

12'

2.00%

RAMP A

6' PAVED SHOULDER

302+00

305+00

360' TAPER

12'

10' PAVED SHOULDER

7'

7'

6' PAVED SHOULDER

6' PAVED SHOULDER

308+00

1 2.00% 2 24.99' 3 2.00% 4 25.05' 5 17' 6 2.00% 7 25.07' 8 2.00% 9 25' 10 25.07' 11 2.00% 12 25' 13 25.07' 14 2.00% 15 25' 16 25.08' 17 2.00% 18 25' 19 25.08' 20 2.00% 21 25' 22 25.08' 23 1.74% 24 25' 25 25.09' 26 0.70% 27 25' 28 25.09' 29 0.35% 30 25' 31 25.07' 32 1.39% 33 25' 34 24.98' 35 2.42% 36 25' 37 24.97' 38 3.45% 39 25' 40 24.94' 41 4.49% 42 25' 43 25.18' 44 4.77% 45 25' 46 25.01' 47 17' 48 4.77% 49 25.22' 50 4.77% 51 25' 52 25.26' 53 15' 54 4.77% 55 25.24' 56 4.77% 57 25' 58

2.00%

SCALE: 1"=20'

DATUM

375

370

365

360

374.58 1 374.91 2 373.84 3 374.19 4 373.21 5 373.13 6 373.47 7 372.41 8 372.45 9 372.79 10 371.72 11 371.78 12 372.12 13 371.04 14 371.11 15 371.45 16 370.38 17 370.44 18 370.78 19 369.74 20 369.77 21 370.11 22 368.11 23 369.14 24 369.44 25

368.50 26 368.63 27 368.75 28 367.90 29 368.12 30 368.06 31 367.32 32 367.61 33 367.37 34 366.75 35 367.08 36 366.67 37 366.21 38 366.57 39 367.20 40 365.67 41 366.07 42 365.31 43 365.16 44 365.49 45 364.68 46 364.65 47 364.88 48 364.08 49

364.17 50 364.26 51 363.51 52 363.70 53 363.69 54 362.97 55 363.25 56 363.19 57 362.47 58

PLOTTED AT 1.5' BELOW DATUM

PLOTTED AT 3' BELOW DATUM

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

1562+50 1563+00 1563+50 1564+00 1564+50 1565+00 1565+50 1566+00 1566+50 1567+00

I-69 NB AND RAMP A DETAIL SHEET

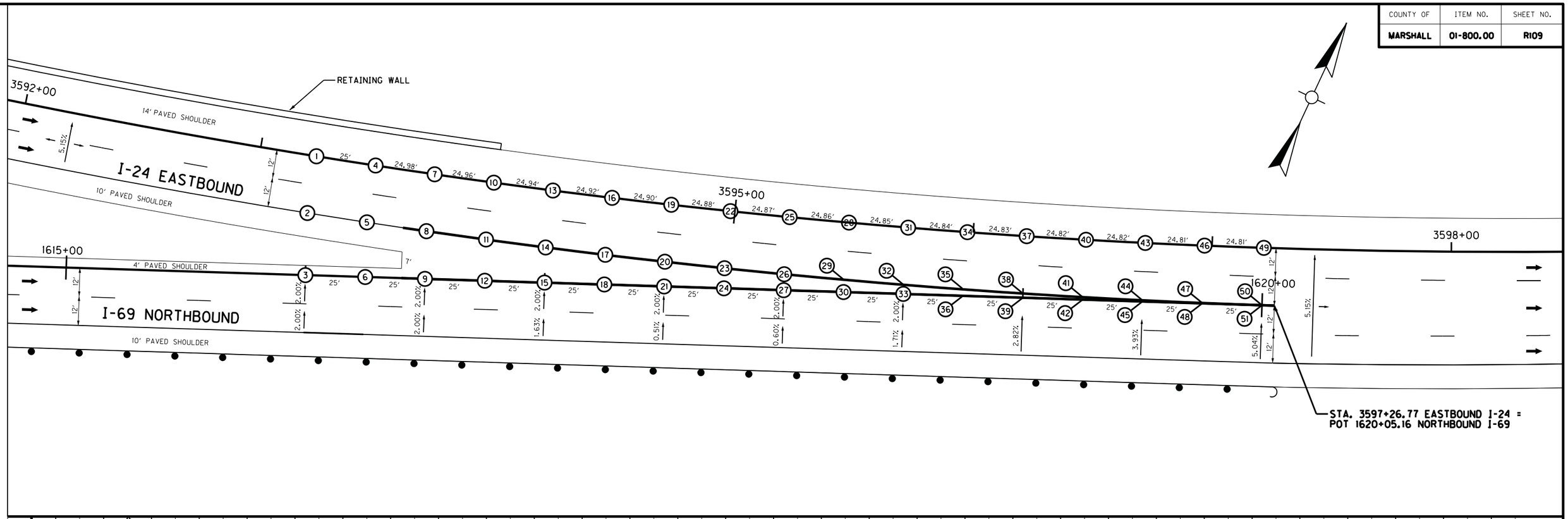
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R108 DS2_NB I-69 RAMP A.DGN

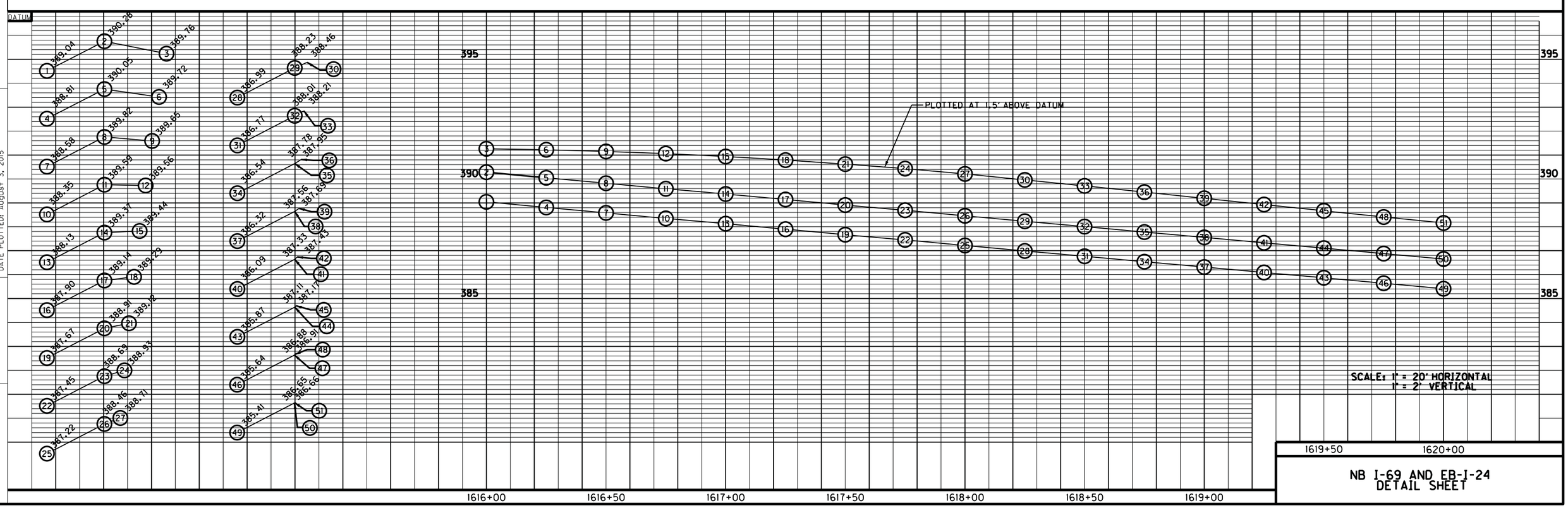
USER: mlane
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R109

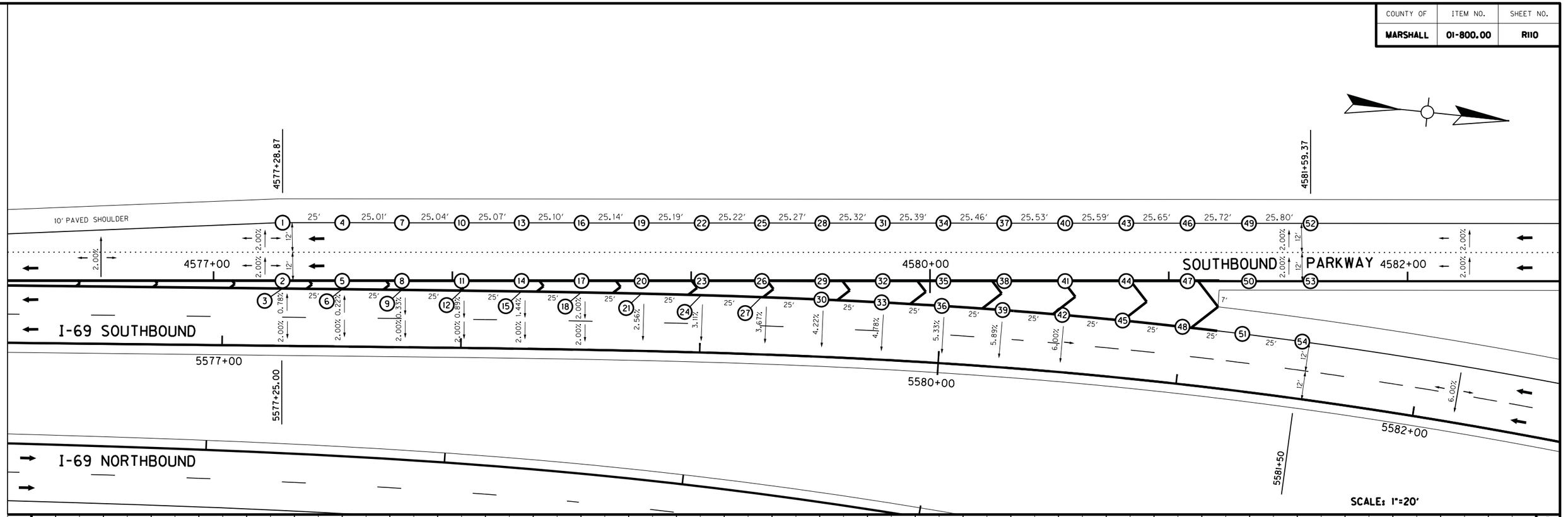


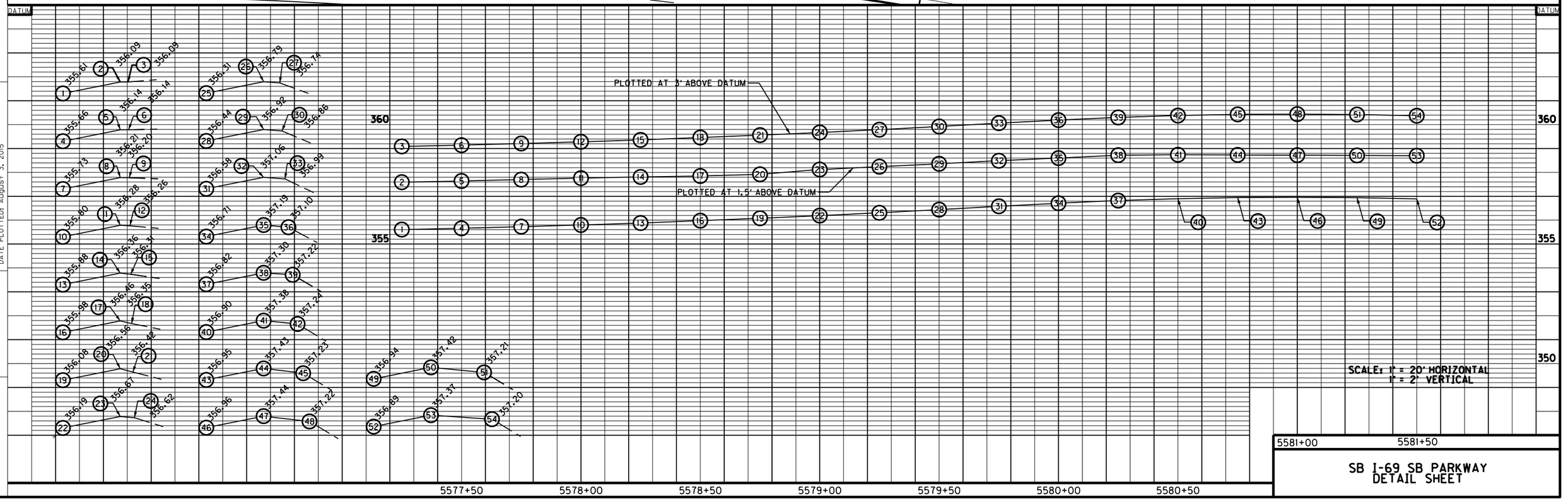


NB I-69 AND EB-I-24
DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R109 DS3_NB I-69_EB I-4.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.678

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R110

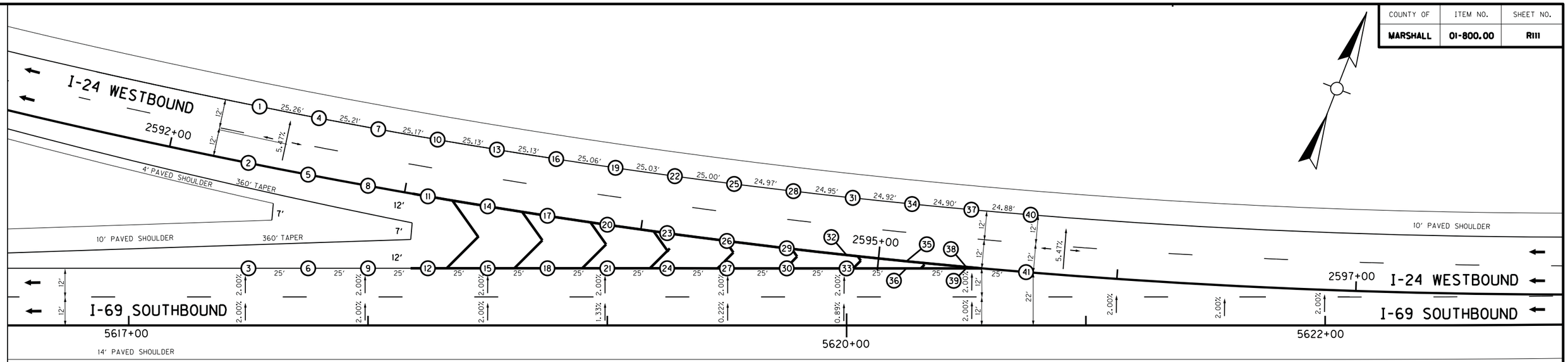




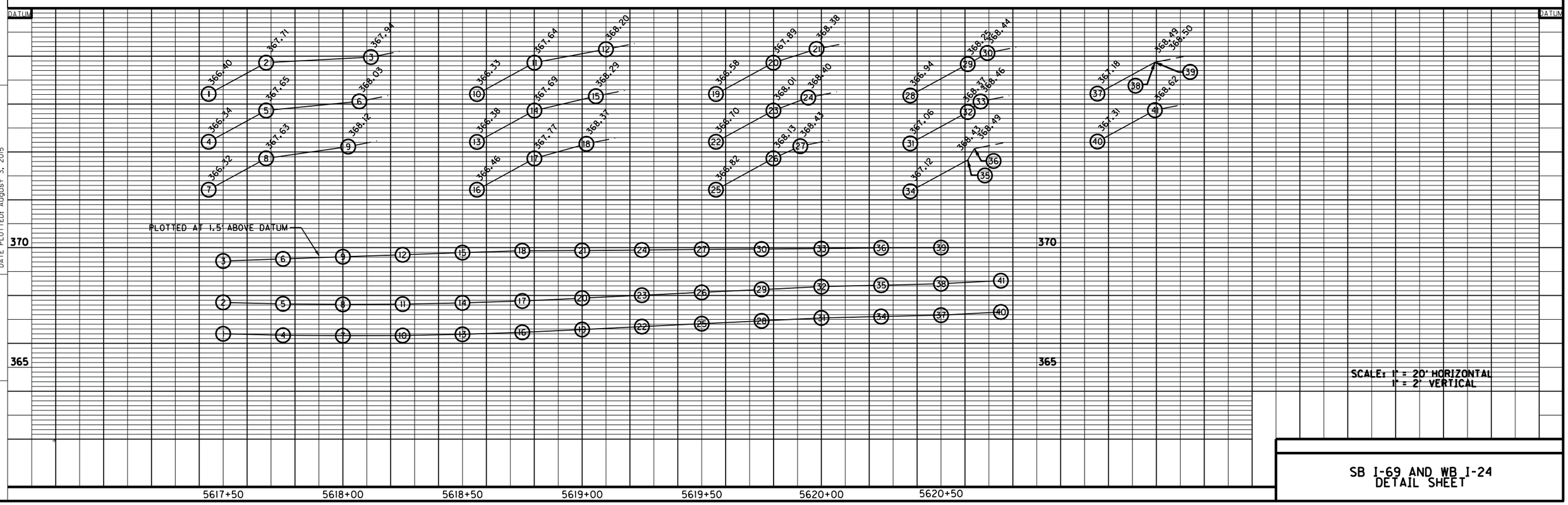
SB I-69 SB PARKWAY
DETAIL SHEET

FILE NAME: P:\PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R110 DS4.SB I-69 PKWY.D
USER: krider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	RIII



SCALE: 1"=20'



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

SB I-69 AND WB I-24
DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\RIII DSS_SB I-69_WB 12.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R112

BOUNDARY OF REGRADING

REGRADING THE NE INNER LOOP COULD YIELD AN ESTIMATED BORROW QUANTITY OF 100,100 CY

W.E. 406.2

BOUNDARY OF REGRADING

REGRADING THE NE OUTER LOOP TO PROPOSED RAMP G AND I-24 WB COULD YIELD AN ESTIMATED BORROW QUANTITY OF 17,500 CY

F.L. 381.00

SCALE: 1"=50'

DETAIL SHEET GRADING PLAN NE QUADRANT PARKWAY / I-24 INTERSECTION

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R112 DS6_GRADING_NE QUADRANT.dgn
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R113

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R113 DS7_GRADING_SE QUADRANT.dgn

USER: Korlder
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.9.578

Paved Ditch
INVERT ELEV.= 364.51 (14728)
INVERT ELEV.= 363.10 (14757)
INVERT ELEV.= 373.87 (14714)
INVERT ELEV.= 381.04 (14727)
Asphalt
Cantilever Sign
BOUNDARY OF REGRADING
REGRADING THE SE LOOP TO PROPOSED I-69 SB COULD YIELD AN ESTIMATED BORROW QUANTITY OF 53,200 CY.
GRASS
High Mast Lighting
15 Deg

SCALE: 1"=50'

DETAIL SHEET
GRADING PLAN SE QUADRANT
PARKWAY / I-24 INTERSECTION

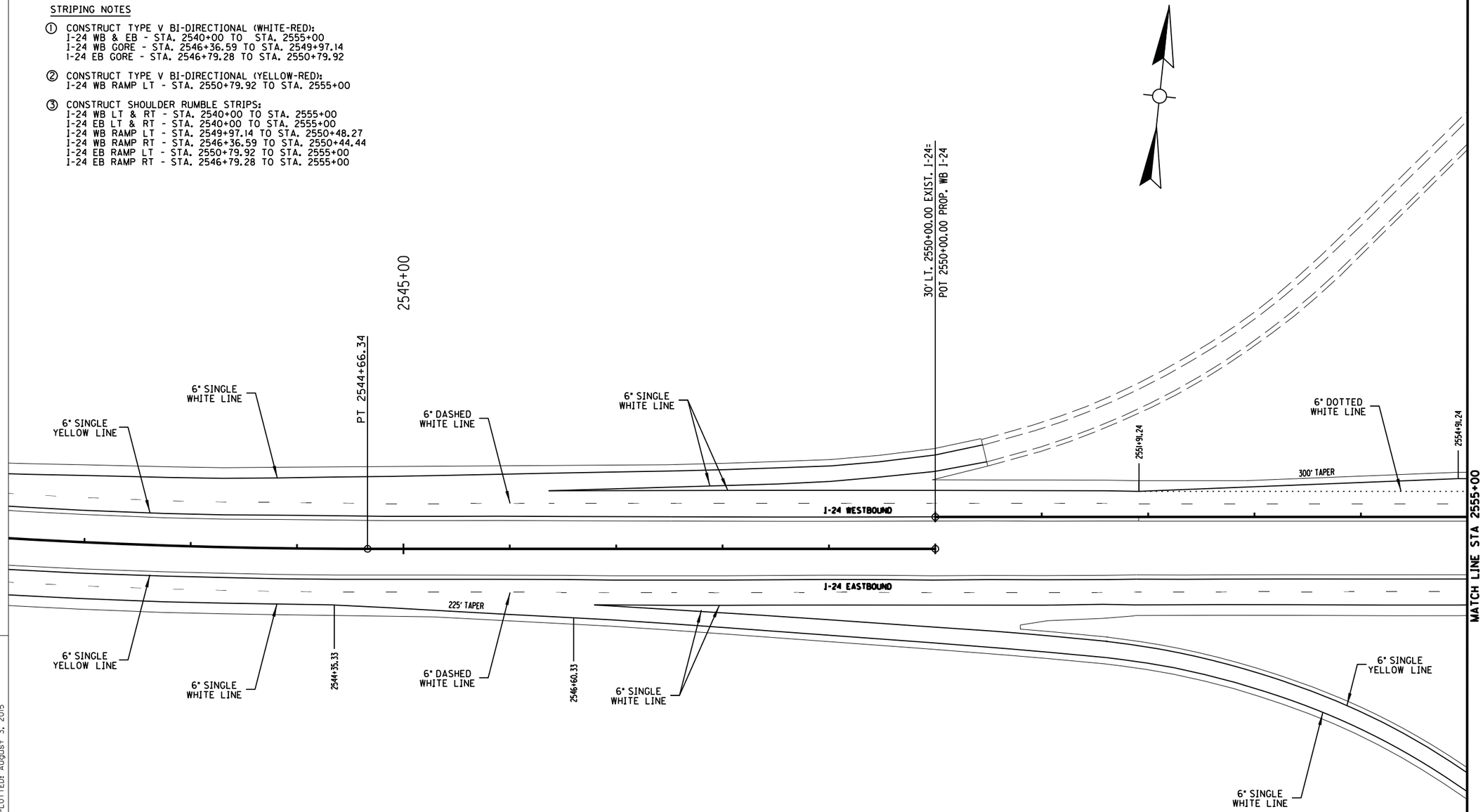
COUNTY OF	ITEM NO.	SHEET NO.
MARHSALL	01-800.00	RII4

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 WB & EB - STA. 2540+00 TO STA. 2555+00
I-24 WB GORE - STA. 2546+36.59 TO STA. 2549+97.14
I-24 EB GORE - STA. 2546+79.28 TO STA. 2550+79.92

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 WB RAMP LT - STA. 2550+79.92 TO STA. 2555+00

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 WB LT & RT - STA. 2540+00 TO STA. 2555+00
I-24 EB LT & RT - STA. 2540+00 TO STA. 2555+00
I-24 WB RAMP LT - STA. 2549+97.14 TO STA. 2550+48.27
I-24 WB RAMP RT - STA. 2546+36.59 TO STA. 2550+44.44
I-24 EB RAMP LT - STA. 2550+79.92 TO STA. 2555+00
I-24 EB RAMP RT - STA. 2546+79.28 TO STA. 2555+00



0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
WB I-24
BEGIN PROJECT - 2555+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\RII4 STRIPING PLAN 1.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R115

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 WB & EB - STA. 2555+00 TO STA. 2570+00
I-69 NB & SB - STA. 4596+84.12 TO STA. 4606+44.71
I-24 EB GORE - STA. 2562+68.71 TO STA. 3563+74.40
I-24 EB GORE - STA. 3568+33.10 TO STA. 3569+05.22
I-24 WB GORE - STA. 2567+89.62 TO STA. 2569+28.96
I-69 NB GORE - STA. 4605+05.23 TO STA. 4606+14.18
I-69 NB GORE - STA. 341+45.15 TO STA. 341+91.37
I-69 SB GORE - STA. 4606+02.41 TO STA. 4597+94.79

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 EB RAMP LT - STA. 2555+00 TO STA. 2558+23.80
I-24 EB RAMP LT - STA. 2559+43.78 TO STA. 2562+68.67
I-24 EB RAMP LT - STA. 2564+68.22 TO STA. 2565+25.04
I-24 WB RAMP LT - STA. 2569+25.85 TO STA. 2570+00
I-69 NB RAMP LT - STA. 4606+14.18 TO STA. 2607.34.11
I-69 NB RAMP LT - STA. 3569+04.26 TO STA. 3570+00
I-69 NB RAMP LT - STA. 340+07.52 TO STA. 341+45.27

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 WB LT & RT - STA. 2555+00 TO STA. 2564+98.84
I-24 WB LT & RT - STA. 2566+91.19 TO STA. 2570+00
I-24 EB LT & RT - STA. 2555+00 TO STA. 2564+98.84
I-24 EB LT & RT - STA. 2566+91.19 TO STA. 2570+00
I-69 SB LT & RT - STA. 4596+84.12 TO STA. 4606+44.71
I-69 NB LT & RT - STA. 340+07.52 TO STA. 2606+44.62
I-24 EB RAMP LT & RT - STA. 2555+00 TO STA. 2558+23.80
I-24 EB RAMP LT - STA. 2559+43.78 TO STA. 2562+68.67
I-24 EB RAMP RT - STA. 2559+43.78 TO STA. 3563+74.40
I-24 EB RAMP LT & RT - STA. 2564+68.22 TO STA. 2565+25.04
I-24 WB RAMP LT - STA. 2569+25.85 TO STA. 2570+00
I-24 WB RAMP RT - STA. 2567+89.62 TO STA. 2570+00
I-69 NB RAMP LT - STA. 4606+14.18 TO STA. 2607.34.11
I-69 NB RAMP RT - STA. 4605+05.23 TO STA. 2607.34.11
I-69 NB RAMP LT - STA. 3569+04.26 TO STA. 3570+00
I-69 NB RAMP RT - STA. 3568+33.10 TO STA. 3570+00
I-69 NB RAMP LT - STA. 340+07.52 TO STA. 341+45.27
I-69 NB RAMP RT - STA. 340+07.52 TO STA. 341+91.37

MATCH LINE STA 2555+00

MATCH LINE STA 2570+00

I-24 WESTBOUND

I-24 EASTBOUND

I-69 SOUTHBOUND

I-69 NORTHBOUND

RAMP A

2560+00

4605+00

2565+00

4600+00

18' LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.71 SB PROP. JC PKWY.

4606+02.87

4603+02.87

PI 4600+00.05
Delta= 1°08'45" LT

60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

TS 3568+88.61

300 TAPER

1200' PAVEMENT TAPER @ 50 : 1

12' WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

6" SINGLE YELLOW LINE
6" SINGLE WHITE LINE
6" DASHED WHITE LINE
6" DOTTED WHITE LINE

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
WB I-24
2555+00 - 2570+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R115 STRIPING PLAN 2.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R116

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 WB - STA. 2570+00 TO STA. 2585+00
I-24 EB - STA. 3570+00 TO STA. 3585+00
I-69 SB - STA. 5600+85.05 TO STA. 5609+57.71
RAMP G GORE - STA. 202+54.44 TO STA. 205+40.07

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
RAMP G LT - STA. 205+40.07 TO STA. 214+72.99
I-69 NB RAMP LT - STA. 3569+99.84 TO STA. 3572+60.12
I-24 WB RAMP LT - STA. 2569+99.52 TO STA. 2572+97.77

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 WB LT & RT - STA. 2570+00 TO STA. 2585+00
I-24 EB LT & RT - STA. 3570+00 TO STA. 3585+00
I-69 SB LT & RT - STA. 5600+85.05 TO STA. 5609+57.71
I-69 NB RAMP LT & RT - STA. 3569+99.84 TO STA. 3572+60.12
I-24 WB RAMP LT & RT - STA. 2569+99.52 TO STA. 2572+97.77
RAMP G LT - STA. 205+40.07 TO STA. 214+72.99
RAMP G RT - STA. 202+54.44 TO STA. 214+72.99

MATCH LINE STA 2570+00 WB

MATCH LINE STA 3570+00 EB

MATCH LINE STA 2585+00

MATCH LINE STA 3585+00

6" SINGLE YELLOW LINE
6" SINGLE WHITE LINE
6" DASHED WHITE LINE
12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

PT 211+97.76
PC 205+87.41
PI 3574+00.94
PI 209+06.41
SC 3570+05.61
CS 3577+95.21
ST 3579+12.21
TS 3582+89.61
ST 5606+84.17
5601+30.28

2575+00
210+00
2580+00
205+00
3575+00
3580+00
5605+00

RAMP G
I-24 WESTBOUND
I-24 EASTBOUND
I-69 SOUTHBOUND

360'-7
15 Deg
14'
70 : 1 STRIPING TAPER
250' 25 : 1 SH. TAPER

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
EB I-24 3570+00 - 3585+00
WB I-24 2570+00 - 2585+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R117

MATCH LINE STA 3585+00

MATCH LINE STA 3600+00

SC 3585+21.61

24' LT. 2587+46.70 WB I-24 = 200+00.00 RAMP G

TS 2589+15.23

SC 2591+63.92

TS 5621+82.40

SC 5624+78.40

2589+45.26

2592+05.26

PI 2594+86.08

5604+30.28

5617+83.57

5618+17.83

5620+56.51

5608+80.69

200+00

2590+00

2595+00

3595+00

3590+00

1620+00

1615+00

1610+00

1605+00

6" DOTTED WHITE LINE

6" SINGLE WHITE LINE

6" DASHED WHITE LINE

6" SINGLE YELLOW LINE

12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

I-24 WESTBOUND

I-24 EASTBOUND

I-69 SOUTHBOUND

I-69 NORTHBOUND

360' TAPER

14' SHL

+25 APPROX. END RETAINING WALL

+00 APPROX. END SHL'D. BARRIER WALL

1200' Inside Lane Taper @ 100 : 1

70 : 1 STRIPING TAPER

250' 25 : 1 SH. TAPER

24' RT. 3591+26.77 EB I-24= POT 1620+05.16 NB I-69 TAPER BEGIN 1200' INSIDE LANE

PI 3599+74.52

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 WB - STA. 2585+10.19 TO STA. 2599+43.38
I-24 EB - STA. 3585+00 TO STA. 3600+00
I-69 SB - STA. 5609+57.71 TO STA. 5624+48.22
I-69 NB - STA. 1607+02.61 TO STA. 1620+05.16
I-69 SB GORE - STA. 5618+17.83 TO STA. 5620+56.51
I-69 NB GORE - STA. 1616+40.07 TO STA. 1620+05.16

② CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 WB LT & RT - STA. 2585+10.19 TO STA. 2599+43.38
I-24 EB LT & RT - STA. 3585+00 TO STA. 3600+00
I-69 SB LT & RT - STA. 5609+57.71 TO STA. 5610+39.46
I-69 SB LT & RT - STA. 5612+68.44 TO STA. 5618+17.83
I-69 NB LT & RT - STA. 1607+02.61 TO STA. 1620+05.16

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
EB I-24
3585+00 - 3600+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R118

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 3600+00 TO STA. 3615+00
I-24 WB - STA. 5624+48.22 TO STA. 5639+23.34

② CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 3600+00 TO STA. 3615+00
I-24 WB LT & RT - STA. 5624+48.22 TO STA. 5639+23.34

12' LI. 5624+44.19 SR I-69=
PT 2599+30.77 WB I-24

5625+00

MATCH LINE STA 3600+00

5630+00

I-24 EASTBOUND

I-24 WESTBOUND

6" DASHED WHITE LINE

6" SINGLE WHITE LINE

5635+00

6" SINGLE YELLOW LINE

CS 3612+00.28

CS 5637+17.77

ST 3614+32.28

6" SINGLE WHITE LINE

6" DASHED WHITE LINE

6" SINGLE YELLOW LINE

3605+00

1200' Inside Lane Taper @ 100 : 1

+72 APPROX. BEGIN BARRIER WALL

12'
12'
12'

6" SINGLE YELLOW LINE

1000' Parallel Outside Lane

12" WIDE YELLOW TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

MATCH LINE STA 3615+00

PI 5630+93.63

24' RT 3609+26.17 EB I-24
END 1200' INSIDE LANE TAPER

3610+00

3615+00

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
EB I-24
3600+00 - 3615+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R119

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 3615+00 TO STA. 3630+00
I-24 WB - STA. 5639+23.34 TO STA. 2629+34.27

② CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 3615+00 TO STA. 3630+00
I-24 WB LT & RT - STA. 5639+23.34 TO STA. 2629+34.27

MATCH LINE STA 3615+00

ST 5639+67.77

5639+67.77

5640+00

6" DOTTED WHITE LINE

5642+67.77

5645+00

2620+00

18' LT. 2621+59.91 EXIST. I-24=
POT 5646+49.27 SB I-69

2625+00

6" DASHED WHITE LINE

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

I-24 WESTBOUND

300' TAPER

14' SHL

12'
12'
12'

I-24 EASTBOUND

LANE TRANS. 1213.38' @ 70 : 1

12'
12'

840' Outside Lane Taper @ 70 :1

MATCH LINE STA 3630+00

6" DASHED WHITE LINE

3619+25.93 EB I-24

3620+00

6" DOTTED WHITE LINE

3625+00

6" SINGLE WHITE LINE

3627+65.93

6" SINGLE YELLOW LINE

3630+00

12.666' RT. 2618+59.91 EXIST. I-24=
PI STA=3619+25.93 EB I-24
Delta= 0°49'06" RT
BEGIN 70 : 1 INSIDE MEDIAN TRANS.

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
EB I-24
3615+00 - 3630+00

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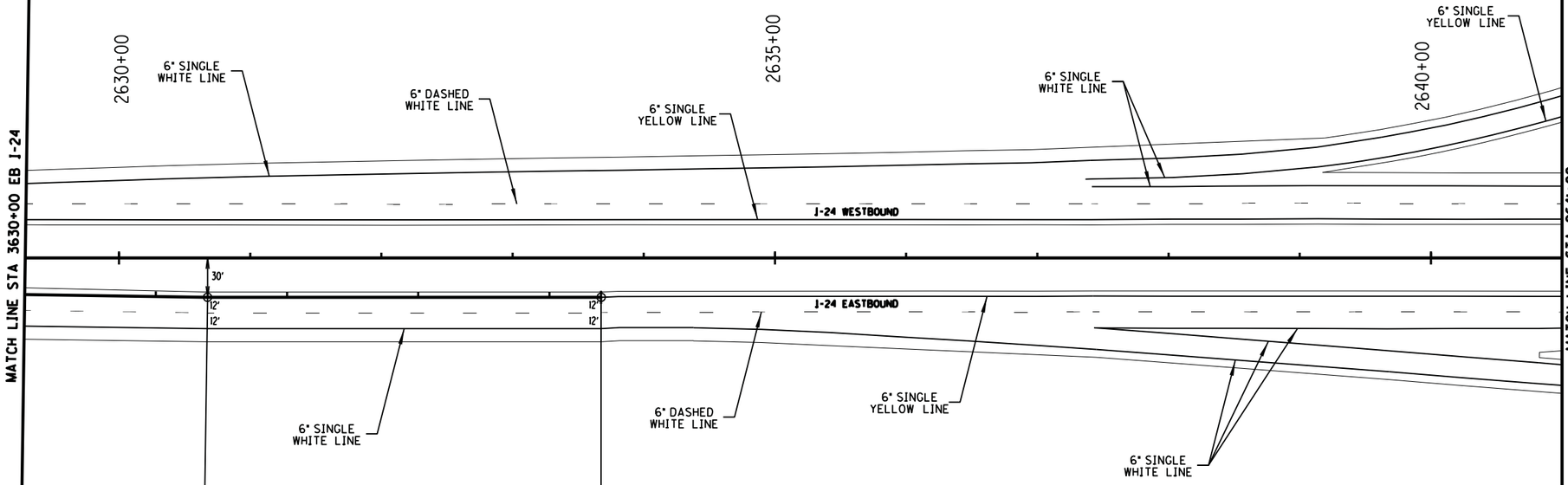
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R120

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 3630+00 TO STA. 2641+00
I-24 WB - STA. 2629+34.27 TO STA. 2641+00
I-24 WB GORE - STA. 2637+42.44 TO STA. 2639+20.47
I-24 EB GORE - STA. 2637+48.99 TO STA. 2640+88.12

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 WB RAMP LT - STA. 2640+88.12 TO STA. 2641+00
I-24 EB RAMP LT - STA. 2637+48.99 TO STA. 2641+00

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 3630+00 TO STA. 2641+00
I-24 WB LT & RT - STA. 2629+34.27 TO STA. 2641+00
I-24 WB RAMP RT - STA. 2637+42.44 TO STA. 2641+00
I-24 WB RAMP LT - STA. 2639+20.47 TO STA. 2641+00
I-24 EB RAMP RT - STA. 2637+48.99 TO STA. 2641+00
I-24 EB RAMP LT - STA. 2640+88.12 TO STA. 2641+00



0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
EB I-24
3630+00 - 2641+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R121

MATCH SHEET 17C

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

2645+00

2650+00

U.S. 62

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

6" DASHED WHITE LINE

6" SINGLE YELLOW LINE

I-24 STATION DOESN'T MATCH PLANS
49+86.42 US 62

50+00

MATCH LINE STA 2641+00

MATCH LINE STA 2655+00

I-24 WESTBOUND

I-24 EASTBOUND

6" SINGLE WHITE LINE

6" DASHED WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 2641+00 TO STA. 2650+34.46
I-24 WB - STA. 2641+00 TO STA. 2649+77.78

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 WB RAMP LT - STA. 2641+00 TO STA. 2646+93.30
I-24 EB RAMP LT - STA. 2641+00 TO STA. 2652+75.34

③ CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW):
US 62 - STA. 44+48.09 TO STA. 53+23.75
US 62 - STA. 54+35.14 TO STA. 55+98.71

④ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 2641+00 TO STA. 2650+34.46
I-24 WB LT & RT - STA. 2641+00 TO STA. 2649+77.78
I-24 WB RAMP LT & RT - STA. 2641+00 TO STA. 2646+93.30
I-24 EB RAMP LT & RT - STA. 2641+00 TO STA. 2652+75.34
US 62 WB RT - STA. 44+16.96 TO STA. 53+97.12

0' 50' 100' 200'

SCALE: 1"=50'

STRIPING PLANS
I-24
2641+00 - 2655+00

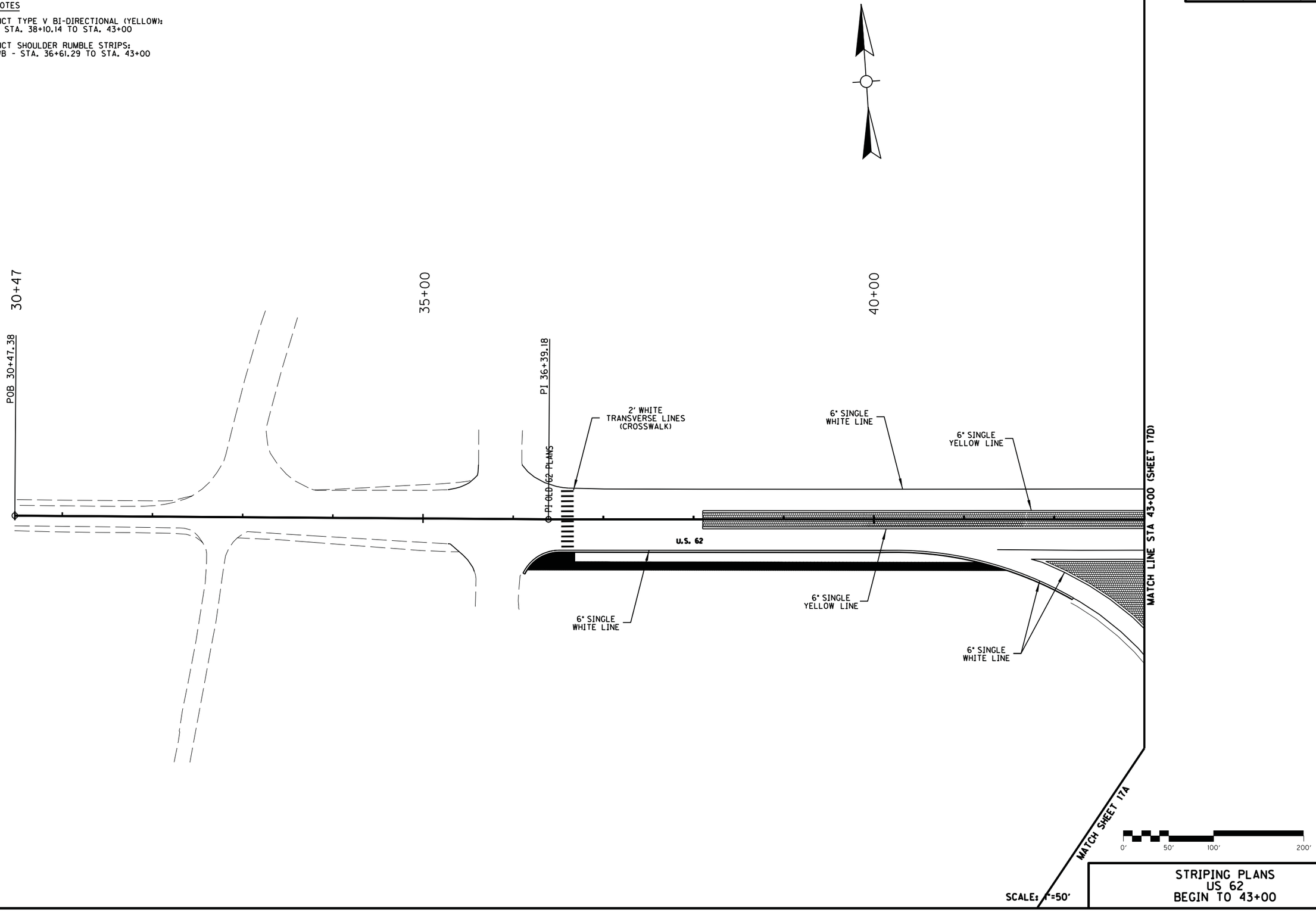
Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R121 STRIPING PLAN 8.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R122

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW):
US 62 - STA. 38+10.14 TO STA. 43+00

② CONSTRUCT SHOULDER RUMBLE STRIPS:
US 62 WB - STA. 36+61.29 TO STA. 43+00



SCALE: 1"=50'

STRIPING PLANS
US 62
BEGIN TO 43+00

MicroStation v8.11.9.578
E-SHEET NAME:
USER: kcrider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R122 STRIPING PLAN 9.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R123

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 2646+24.06 TO STA. 2650+34.46
I-24 WB - STA. 2645+68.41 TO STA. 2649+77.78

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 WB RAMP LT - STA. 2644+30.03 TO STA. 2646+93.30
I-24 EB RAMP LT - STA. 2647+81.71 STA. 2652+75.34

③ CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW):
US 62 - STA. 43+00 TO STA. 43+55.13
US 62 - STA. 44+48.09 TO STA. 53+23.75
US 62 - STA. 54+35.45 TO STA. 58+00

④ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 2646+24.06 TO STA. 2650+34.46
I-24 WB LT & RT - STA. 2645+68.41 TO STA. 2649+77.78
US 62 EB - STA. 54+81.81 TO STA. 58+00
US 62 WB - STA. 43+00 TO STA. 53+86.38
US 62 WB - STA. 56+50.84 TO STA. 58+00
I-24 WB RAMP LT & RT - STA. 2644+30.03 TO STA. 2646+93.30
I-24 EB RAMP LT & RT - STA. 2647+81.71 STA. 2652+75.34

2655+00

45+00

50+00

55+00

I-24 WESTBOUND

I-24 EASTBOUND

I-24 STATION DOESN'T MATCH PLANS
49+86.42 US 62

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

2650+00

6" SINGLE YELLOW LINE

6" SINGLE YELLOW LINE

6" SINGLE YELLOW LINE

MATCH LINE STA 43+00

MATCH LINE STA 58+00

U.S. 62

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

6" DASHED WHITE LINE

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

6" SINGLE YELLOW LINE

6" SINGLE YELLOW LINE

6" SINGLE WHITE LINE

2645+00

6" DASHED WHITE LINE

0' 50' 100' 200'

SCALE: 1"=50

STRIPING PLANS
US-62
43+00 - 58+00

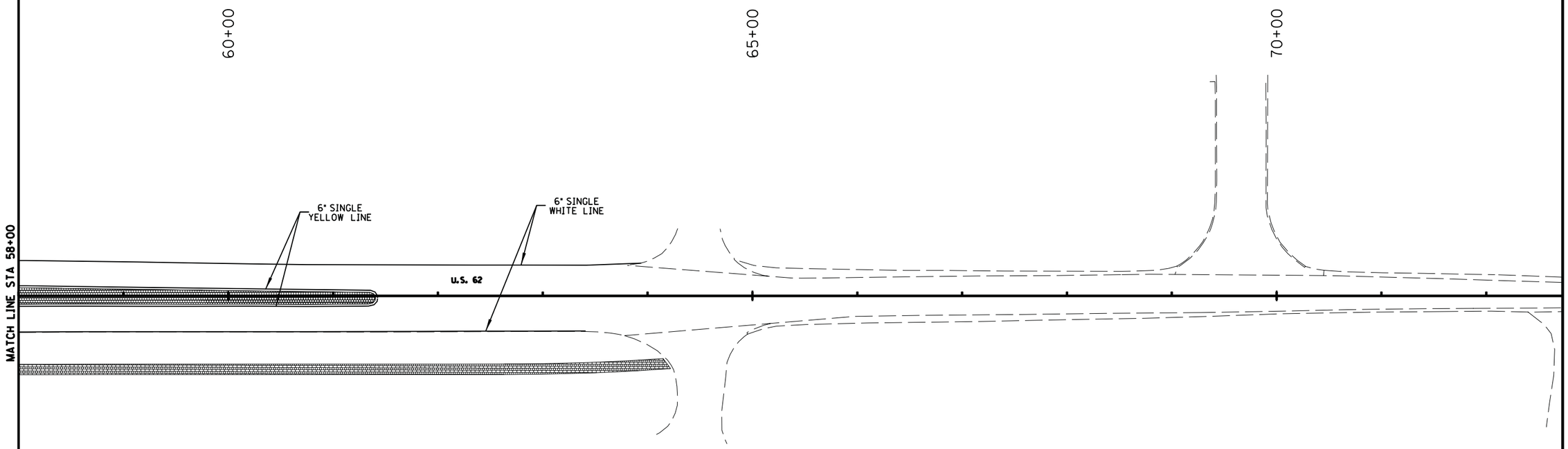
Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R123 STRIPING PLAN 10.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R124

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW):
US 62 - STA. 58+00 TO STA. 61+42.42

② CONSTRUCT SHOULDER RUMBLE STRIPS:
US 62 EB - STA. 58+00 TO STA. 63+40.90
US 62 WB - STA. 58+00 TO STA. 63+41.59



0' 50' 100' 200'

SCALE: 1"=50

STRIPING PLANS
US 62
58+00 TO END

MicroStation v8.11.9.578
E-SHEET NAME:
USER: korider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R124 STRIPING PLAN II.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R125

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-69 NB - STA. 1556+58.11 TO STA. 1565+00
I-69 SB - STA. 2556+50.93 TO STA. 5564+96.40
RAMP A GORE - STA. 303+39.10 TO STA. 305+43.01

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 WB RAMP LT - STA. 2550+79.92 TO STA. 2555+00

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-69 NB LT & RT - STA. 1556+58.11 TO STA. 1565+00
I-69 SB LT & RT - STA. 2556+50.93 TO STA. 5564+96.40
RAMP A RT - STA. 300+00 TO STA. 305+44.00

5555+00

2556+58.11 EXIST. JC PKWY.

5560+00

24' LT. 5560+19.87 SB I-69=
BEGIN 300' TAPER

36' LT. 5563+19.87 SB I-69=
BEGIN PARALLEL LANE SB JC PKWY.

6" SINGLE WHITE LINE

6" DOTTED WHITE LINE

6" DASHED WHITE LINE

6" SINGLE YELLOW LINE

300' TAPER

I-69 SOUTHBOUND

I-69 NORTHBOUND

10'

24'

24'

10'

12'

17'

RAMP A

MATCH LINE STA 1565+00

300' TAPER

6" SINGLE YELLOW LINE

6" DASHED WHITE LINE

6" DOTTED WHITE LINE

6" SINGLE WHITE LINE

12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

305+00

18' RT. 2556+58.11 EXIST. JC PKWY.=
PC 1556+58.11 NB I-69

36' RT. 1559+58.11 NB I-69=
POT 300+00 RAMP A

1560+00

TS 305+34.82

0' 50' 100' 200'

SCALE: 1"=50

STRIPING PLANS
NB I-69
BEGIN - 1565+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R126

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-69 NB - STA. 1565+00 TO STA. 1580+00
I-69 SB - STA. 5564+96.40 TO STA. 5580+02.46
I-69 SB RAMP GORE - STA. 4574+27.57 TO STA. 4580+11.59
RAMP A GORE - STA. 305+43.01 TO STA. 307+53.84

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
RAMP A LT - STA. 307+53.84 TO STA. 319+05.00

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-69 NB LT & RT - STA. 1565+00 TO STA. 1580+00
I-69 SB LT & RT - STA. 5564+96.40 TO STA. 5580+02.46
RAMP A LT - STA. 307+53.84 TO STA. 319+05.00
RAMP A RT - STA. 305+44.00 TO STA. 319+05.00

MATCH LINE STA 1565+00

6" SINGLE YELLOW LINE
6" DASHED WHITE LINE
6" DOTTED WHITE LINE
6" SINGLE WHITE LINE
5570+00
PT 5573+19.87 (3 LANES)
24' LT. 5574+23.72 SB I-69=
POT 4574+27.57 SB JC PKWY.
4575+00
5575+00
24' LT 4577+27.57 JC PKWY.
END 300' TAPER
TS 5577+59.98
4580+00
6" SINGLE WHITE LINE
12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)
5580+00
300' TAPER
1000' PARALLEL LANE
I-69 SOUTHBOUND
12'
I-69 NORTHBOUND
MATCH LINE STA 1580+00

SC 306+49.82
310+00
RAMP A
1570+00
PT 1571+42.69
6" SINGLE WHITE LINE
6" SINGLE YELLOW LINE
1575+00
TS 1575+82.55
6" DASHED WHITE LINE
SC 1578+52.55
6" SINGLE YELLOW LINE
6" SINGLE WHITE LINE
CS 313+49.81
315+00
ST 314+64.81
TS 315+71.24
SC 317+15.24

0' 50' 100' 200'

SCALE: 1"=50

STRIPING PLANS
NB I-69
1565+00 - 1580+00

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COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R127

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-69 SB - STA. 5575+00 TO STA. 5590+00
I-69 NB - STA. 1575+06.23 TO STA. 1589+53.98
JC PKWY SB - STA. 4575+03.85 TO STA. 4590+90.12
JC PKWY SB GORE - STA. 4587+47.12 TO STA. 4588+40.14
JC PKWY SB GORE - STA. 4575+03.85 TO STA. 4581+21.06

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
JC PKWY SB RAMP LT - STA. 4588+40.14 TO STA. 4590+88.64
RAMP A LT - STA. 316+59.36 TO STA. 332+92.60

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-69 SB LT & RT - STA. 5575+00 TO STA. 5587+55.46
I-69 SB LT & RT - STA. 5588+60.28 TO STA. 5590+00
I-69 NB LT & RT - STA. 1575+06.23 TO STA. 1589+24.16
RAMP A LT & RT - STA. 316+59.36 TO STA 328+47.53
RAMP A LT & RT - STA. 332+89.03 TO STA. 332+92.60
I-69 SB RAMP RT - STA. 4587+47.12 TO STA. 4590+88.64
I-69 SB RAMP LT - STA. 4588+40.14 TO STA. 4590+88.64

MATCH LINE STA 5575+00

6" DASHED WHITE LINE
300' TAPER
24' LT 4577+27.57 JC PKWY. END 300' TAPER
TS 5577+59.98
12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)
4580+00
5580+00
SC 5580+29.98
6" SINGLE YELLOW LINE
12'
12'
I-69 SOUTHBOUND
7'
1000' PARALLEL LANE
6" DOTTED WHITE LINE
4585+00
6" SINGLE WHITE LINE
24' LT 4587+27.57 SB JC PKWY. END 1000' LANE
PI 4587+99.84 Delta= 1°09'55" RT
6" SINGLE WHITE LINE
4590+00
6" SINGLE YELLOW LINE
6" SINGLE WHITE LINE
7'
12'
1200' PAVEMENT TAPER @ 50:1
12" WIDE WHITE TRANSVERSE MARKING AT 45° TO DIRECTION OF TRAFFIC (25' SPACING)

I-69 SOUTHBOUND

6" SINGLE WHITE LINE
5585+00
6" DASHED WHITE LINE
6" SINGLE YELLOW LINE
5589+37.89 SB I-69= 331+69.48 RAMP A

I-69 NORTHBOUND

TS 1575+82.55
SC 1578+52.55
1580+00
6" SINGLE WHITE LINE
6" DASHED WHITE LINE
6" SINGLE YELLOW LINE
1585+00
320+00
MATCH LINE STA 5590+00

TS 315+71.24
SC 317+15.24
CS 325+34.22
ST 326+78.22
6" SINGLE WHITE LINE
320+00
6" SINGLE YELLOW LINE
325+00
RAMP A
1588+07.50 NB I-69= 330+02.44 RAMP A

0' 50' 100' 200'

SCALE: 1"=50

STRIPING PLANS
SB I-69
5575+00 - 5590+00

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: kcrider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R127 STRIPING PLAN 14.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R128

STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-69 SB - STA. 5590+00 TO STA. 5605+00
I-69 NB - STA. 1589+53.98 TO STA. 1603+20.98
I-24 EB - STA. 3575+74.12 TO STA. 3579+56.79

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
RAMP A LT - STA. 332+92.60 TO STA. 335+00
I-69 NB RAMP LT - STA. 5594+25.09 TO STA. 5598+47.43

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-69 SB LT & RT - STA. 5590+00 TO STA. 5605+00
I-69 NB LT & RT - STA. 1589+53.98 TO STA. 1603+20.98
I-24 EB LT & RT - STA. 3575+74.12 TO STA. 3579+56.79
RAMP A LT & RT - STA. 332+92.60 TO STA. 335+00
I-69 NB RAMP LT & RT - STA. 5594+25.09 TO STA. 5598+47.43

6" SINGLE WHITE LINE
6" SINGLE YELLOW LINE
I-24 EASTBOUND
6" DASHED WHITE LINE
CS 3577+95.21
ST 3579+12.21
MATCH LINE STA 335+00
RAMP A
6" DOTTED WHITE LINE
6" SINGLE WHITE LINE
ST 333+67.13
6" SINGLE YELLOW LINE
6" DASHED WHITE LINE
I-69 SOUTHBOUND
6" SINGLE WHITE LINE
MATCH LINE STA 5590+00
5595+00
5600+00
MATCH LINE STA 5605+00
6" SINGLE YELLOW LINE
6" DASHED WHITE LINE
I-69 NORTHBOUND
6" SINGLE WHITE LINE
CS 5604+14.17
1590+00
1595+00
1600+00
CS 1601+61.20

0' 50' 100' 200'

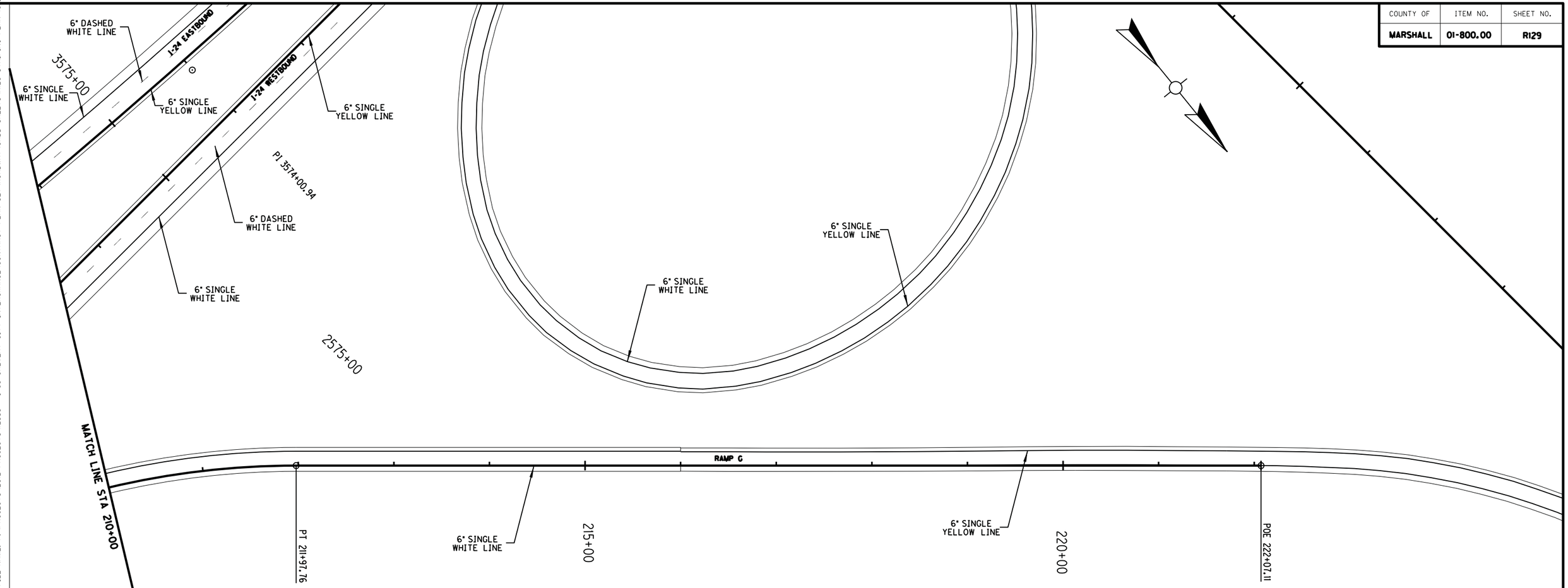
SCALE: 1"=50

STRIPING PLANS
SB I-69
5590+00 - 5605+00

MicroStation v8.11.9.578
E-SHEET NAME:
USER: krider
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R128 STRIPING PLAN 150.DGN

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: kcrider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R129 STRIPING PLAN 16.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R129



STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 EB - STA. 3575+11.08 TO STA. 3576+02.55
I-24 WB - STA. 2572+42.12 TO STA. 2576+56.00

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
RAMP G LT - STA. 210+00 TO STA. 2615+00.49
I-69 NB RAMP LT - STA. 5594+25.09 O STA. 5598+47.43

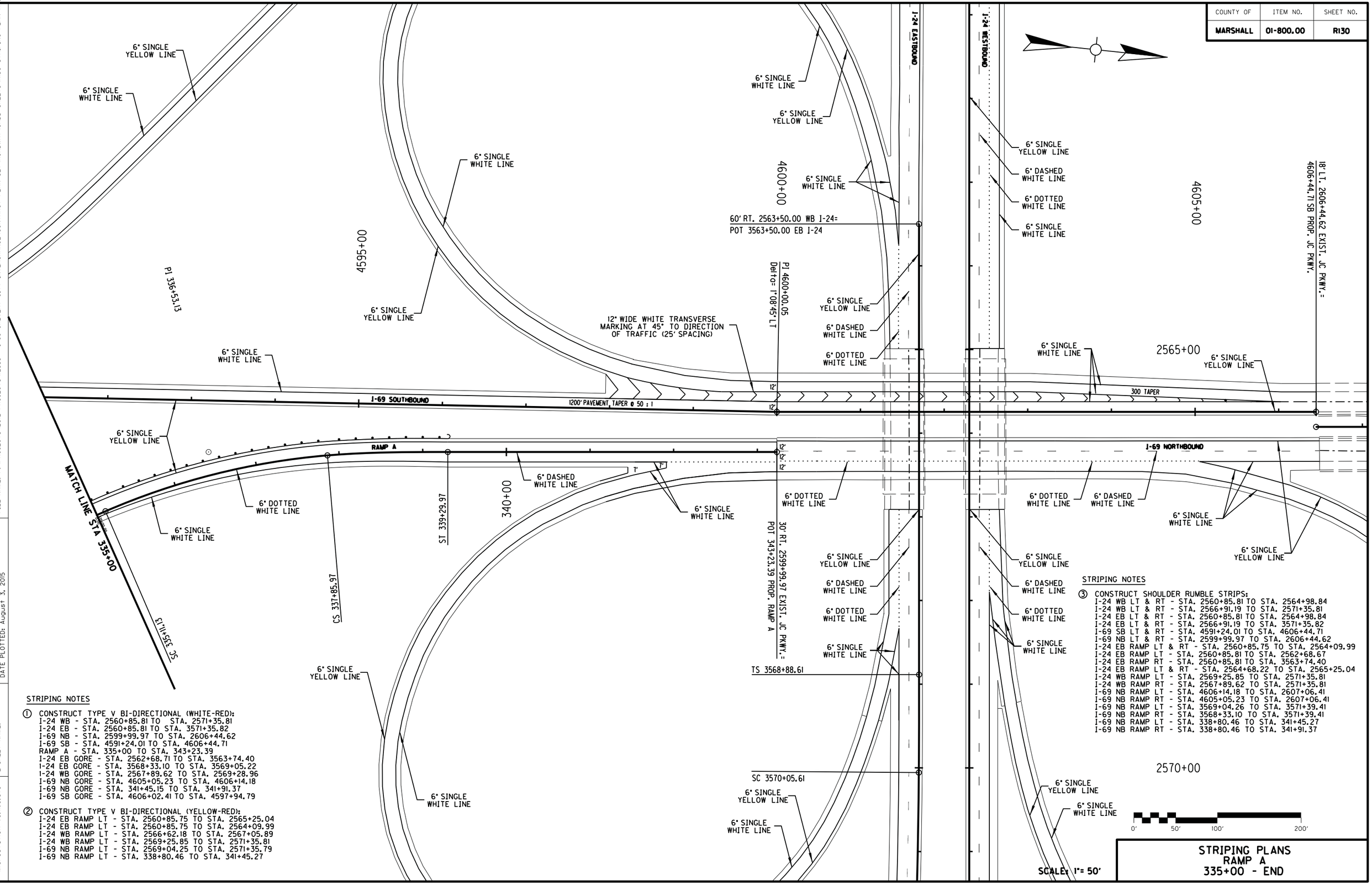
③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 EB LT & RT - STA. 3575+11.08 TO STA. 3576+02.55
I-24 WB LT & RT - STA. 2572+42.12 TO STA. 2576+56.00
RAMP G LT & RT - STA. 210+00 TO STA. 2615+00.49
I-69 NB RAMP LT & RT - STA. 5594+25.09 O STA. 5598+47.43

0' 50' 100' 200'

SCALE: 1"= 50'

STRIPING PLANS
RAMP G
210+00 - END

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R130



STRIPING NOTES

① CONSTRUCT TYPE V BI-DIRECTIONAL (WHITE-RED):
I-24 WB - STA. 2560+85.81 TO STA. 2571+35.81
I-24 EB - STA. 2560+85.81 TO STA. 3571+35.82
I-69 NB - STA. 2599+99.97 TO STA. 2606+44.62
I-69 SB - STA. 4591+24.01 TO STA. 4606+44.71
RAMP A - STA. 335+00 TO STA. 343+23.39
I-24 EB GORE - STA. 2562+68.71 TO STA. 3563+74.40
I-24 EB GORE - STA. 3568+33.10 TO STA. 3569+05.22
I-24 WB GORE - STA. 2567+89.62 TO STA. 2569+28.96
I-69 NB GORE - STA. 4605+05.23 TO STA. 4606+14.18
I-69 NB GORE - STA. 341+45.15 TO STA. 341+91.37
I-69 SB GORE - STA. 4606+02.41 TO STA. 4597+94.79

② CONSTRUCT TYPE V BI-DIRECTIONAL (YELLOW-RED):
I-24 EB RAMP LT - STA. 2560+85.75 TO STA. 2565+25.04
I-24 EB RAMP LT - STA. 2560+85.75 TO STA. 2564+09.99
I-24 WB RAMP LT - STA. 2566+62.18 TO STA. 2567+05.89
I-24 WB RAMP LT - STA. 2569+25.85 TO STA. 2571+35.81
I-69 NB RAMP LT - STA. 2569+04.25 TO STA. 2571+35.79
I-69 NB RAMP LT - STA. 338+80.46 TO STA. 341+45.27

STRIPING NOTES

③ CONSTRUCT SHOULDER RUMBLE STRIPS:
I-24 WB LT & RT - STA. 2560+85.81 TO STA. 2564+98.84
I-24 WB LT & RT - STA. 2566+91.19 TO STA. 2571+35.81
I-24 EB LT & RT - STA. 2560+85.81 TO STA. 2564+98.84
I-24 EB LT & RT - STA. 2566+91.19 TO STA. 3571+35.82
I-69 SB LT & RT - STA. 4591+24.01 TO STA. 4606+44.71
I-69 NB LT & RT - STA. 2599+99.97 TO STA. 2606+44.62
I-24 EB RAMP LT & RT - STA. 2560+85.75 TO STA. 2564+09.99
I-24 EB RAMP LT - STA. 2560+85.81 TO STA. 2562+68.67
I-24 EB RAMP RT - STA. 2560+85.81 TO STA. 3563+74.40
I-24 EB RAMP LT & RT - STA. 2564+68.22 TO STA. 2565+25.04
I-24 WB RAMP LT - STA. 2569+25.85 TO STA. 2571+35.81
I-24 WB RAMP RT - STA. 2567+89.62 TO STA. 2571+35.81
I-69 NB RAMP LT - STA. 4606+14.18 TO STA. 2607+06.41
I-69 NB RAMP RT - STA. 4605+05.23 TO STA. 2607+06.41
I-69 NB RAMP LT - STA. 3569+04.26 TO STA. 3571+39.41
I-69 NB RAMP RT - STA. 3568+33.10 TO STA. 3571+39.41
I-69 NB RAMP LT - STA. 338+80.46 TO STA. 341+45.27
I-69 NB RAMP RT - STA. 338+80.46 TO STA. 341+91.37

SCALE: 1"= 50'

STRIPING PLANS
RAMP A
335+00 - END

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: kcrider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R130 STRIPING PLAN 17.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R131

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.

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

0′ 100′ 200′ 400′

SCALE: 1"=100

EROSION CONTROL NOTES

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R131EC PLAN NOTES.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R132

DDA1

DDA2

DDA3

DDA4

DDA5

DDA6

DDA7

DDA8

DDA17

POINT DISCHARGE

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — A2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA1	0.8364	3,011
DDA2	1.351	4,864
DDA3	4.8251	17,370
DDA4	16.679	60,043
DDA5	2.7836	10,021
DDA6	2.2112	7,960
DDA7	9.8240	35,366
DDA8	5.2331	18,839
DDA17	22.223	80,002

0' 100' 200' 400'

SCALE: 1"=100

EROSION CONTROL PLAN
I-24 WB STA 2550+00 TO STA 2582+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R132 EC PLAN 1.DGN

USER: kcrider
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R133

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA8	5.2331	18,839
DDA9	9.1854	33,067
DDA10	8.4053	30,259
DDA11	4.5639	16,430
DDA12	3.7466	13,488
DDA13	3.3142	11,931

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A
- SILT TRAP TYPE A ALTERNATE 2 — A
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DDA8 DDA9 DDA10 DDA11 DDA12 DDA13

POINT DISCHARGE

POINT DISCHARGE

150' TVA TRANSMISSION LINE EASEMENT

150' TVA TRANSMISSION LINE EASEMENT

POND WSE 345.2

0' 100' 200' 400'

SCALE: 1"= 100

EROSION CONTROL PLAN I-24 WB STA 2582+00 TO I-69 SB STA 5635+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R133 EC PLAN 2.DGN
USER: karider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R134

POINT DISCHARGE

DDA12

DDA13

DDA9

POINT DISCHARGE

150 IVA TRANSMISSION LINE EASEMENT

PROPOSED CUT SLOPE LIMITS

EXIST. R/W & CA LINE

VACANT BLDG.

GARAGE

Paved Ditch

Asphalt

Bldg.

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — A2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA9	9.1854	33,067
DDA12	3.7466	13,488
DDA13	3.3142	11,931

0' 100' 200' 400'

SCALE: 1"= 100

EROSION CONTROL PLAN

I-69 SB 5635+00 TO END

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R134 EC PLAN 3.DGN
USER: korider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R135

POINT DISCHARGE

DDA14

DDA15

DDA16

POINT DISCHARGE

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — a
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA14	2.0719	7,459
DDA15	10.891	39,206
DDA16	10.881	39,171

0' 100' 200' 400'

SCALE: 1"= 100

EROSION CONTROL PLAN I-69 SB BEG TO JC PKWY STA 4583+00

FILE NAME: P:\PROJECTS\
USER: korider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R136

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — A2
- SILT TRAP TYPE B — B
- SILT TRAP TYPE C — C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA1	0.8364	3,011
DDA2	1.351	4,864
DDA3	4.8251	17,370
DDA4	16.679	60,043
DDA5	2.7836	10,021
DDA6	2.2112	7,960
DDA7	9.8240	35,366
DDA17	22.223	80,002

POINT DISCHARGE

POINT DISCHARGE

DDA1

DDA2

DDA3

DDA4

DDA5

DDA6

DDA7

DDA17

DDA17

EROSION CONTROL PLAN

JC PKWY STA 4583+00 TO END

SCALE: 1" = 100

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: korider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R136 EC PLAN 5.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R137

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — A2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)

0' 100' 200' 400'

SCALE: 1"= 100

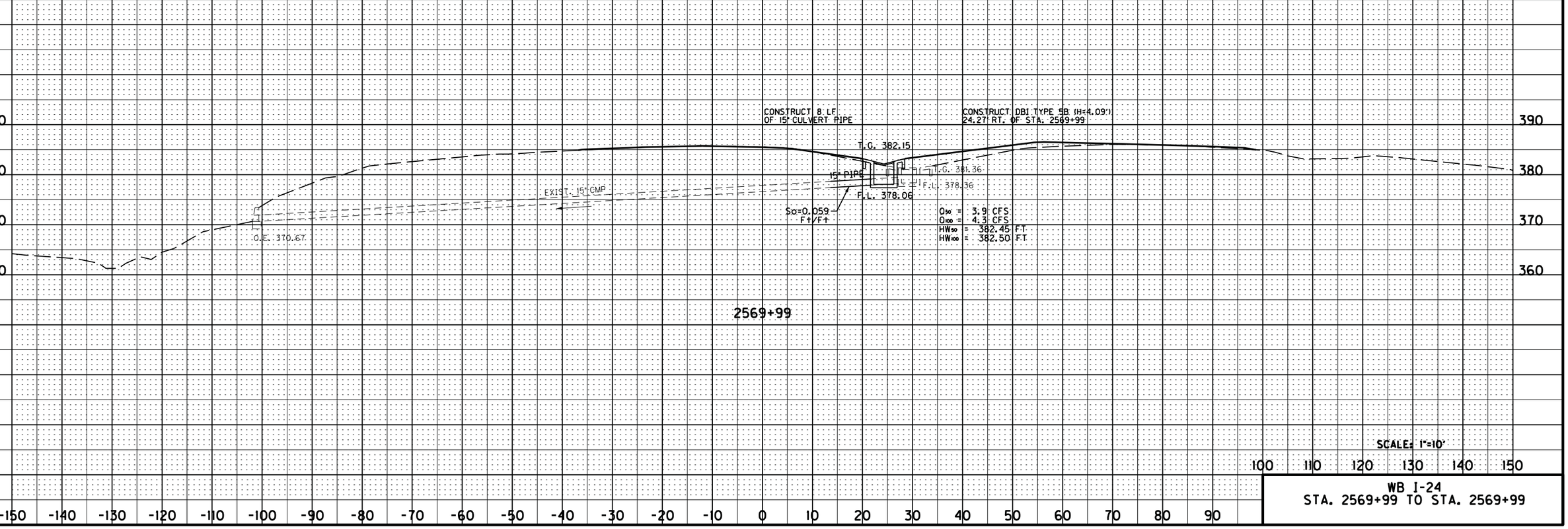
EROSION CONTROL PLAN
US 62 INTERCHANGE

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R137 EC PLAN 6.DGN
USER: korider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 1 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R138

STORM SEWER PIPE	CULVERT PIPE								DROP BOX INLET TYPE 5B	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	15"											
LINEAR FEET	LF								EACH	LF		LF
	8								1	14	M	9.5



SCALE: 1"=10'

WB I-24
STA. 2569+99 TO STA. 2569+99

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R138 PDI.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 2 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R139

STORM SEWER PIPE	CULVERT PIPE	MANHOLE TYPE C	REMOVE PIPE	DESIGN DH LEVEL	MAX COVER HEIGHT
	60"				
L I N E A R F E E T	LF	EACH	LF		LF
	265	1	8	M	37.3

63° SKEW RT.

CONSTRUCT MANHOLE TYPE C (H=38.22')
250.37' RT. OF STA. 2589+64

T.R. 389.42

CONSTRUCT 82 LF OF 60" CULVERT PIPE

CONSTRUCT 183 LF OF 60" CULVERT PIPE

60" PIPE

O.E. 351.45

So=0.0037 FT/FT

F.L. 351.20

60" PIPE

So=0.0031 FT/FT

390 380 370 360 350 340

51+50 52+00 52+50 53+00 53+50 54+00 54+50

Q_{50} = 145.1 CFS
Q_{100} = 157.5 CFS
HW_{50} = 360.74 FT
HW_{100} = 362.02 FT

EXIST. 60" CMP

I.E. 354.39

2590+48 ℄
19° SKEW RT.

SCALE: 1"=10'

48+50 49+00 49+50 50+00 50+50 51+00 51+50

WB I-24
STA. 2590+48 TO STA. 2590+48
SITUATION SURVEY SHEET 1 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R139 PD2.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 3 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R140

STORM SEWER PIPE	CULVERT PIPE													PIPE CULVERT HEADWALL 60"	DESIGN pH LEVEL	MAX COVER HEIGHT
	60"															
LINEAR FEET	LF													EACH		LF

STREAM PROFILE
AVERAGE SLOPE = 0.0056 Ft/Ft

STREAM PROFILE
SCALE: 1"=100' HORIZ., 1"=10' VERT.

190

M 37.3

CONSTRUCT 190 LF OF 60" CULVERT PIPE

60" PIPE

So=0.0031 Ft/Ft

O.E. 350.05

CONSTRUCT 60" PIPE CULVERT HEADWALL 304.39' RT. OF STA. 2585+93

SCALE: 1"=10'

WB I-24
STA. 2590+48 TO STA. 2590+48
SITUATION SURVEY SHEET 2 OF 4

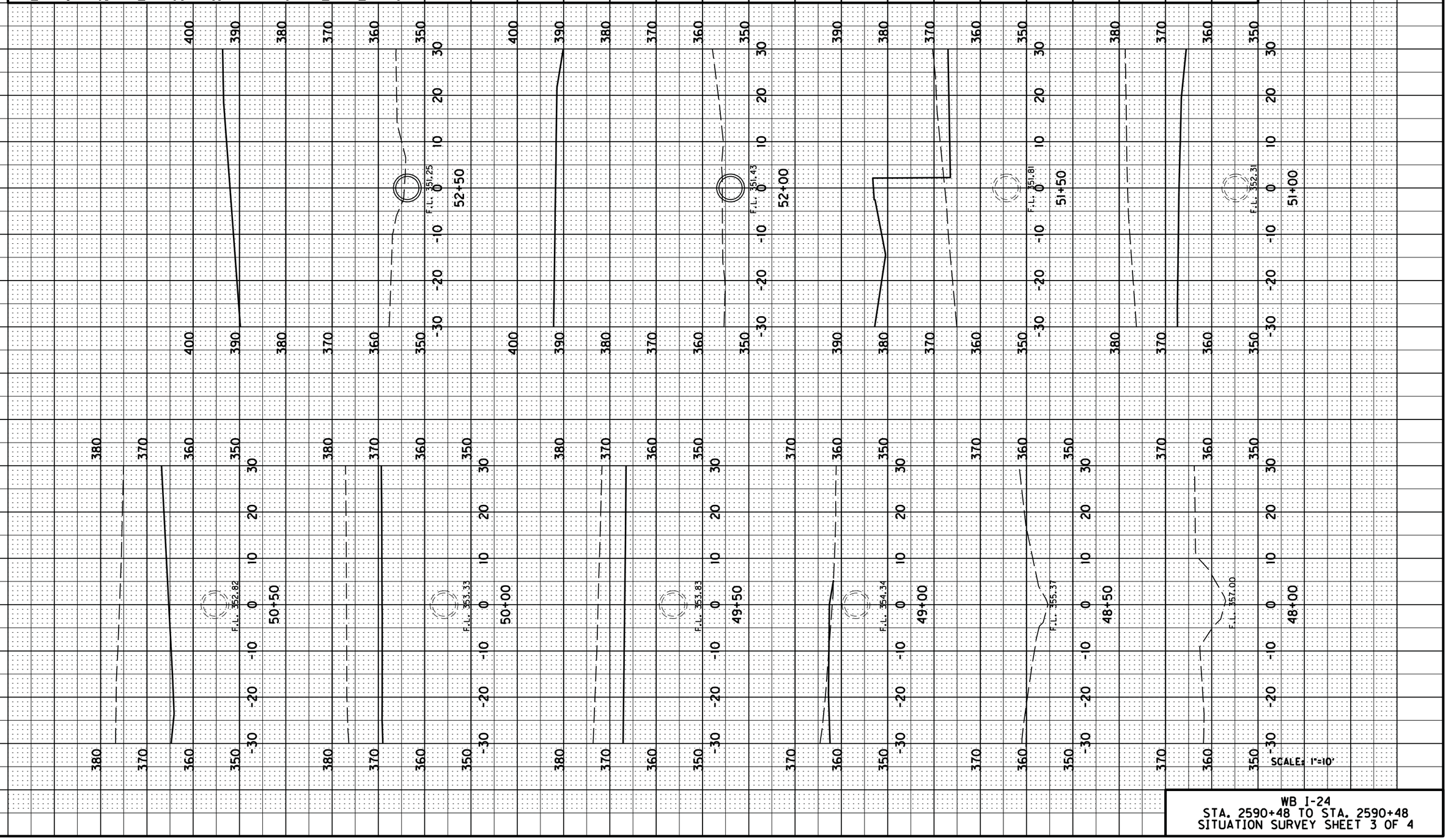
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R140 P03.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 4 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R141

STORM SEWER PIPE

L I N E A R F E E T



SCALE: 1"=10'

WB I-24
STA. 2590+48 TO STA. 2590+48
SITUATION SURVEY SHEET 3 OF 4

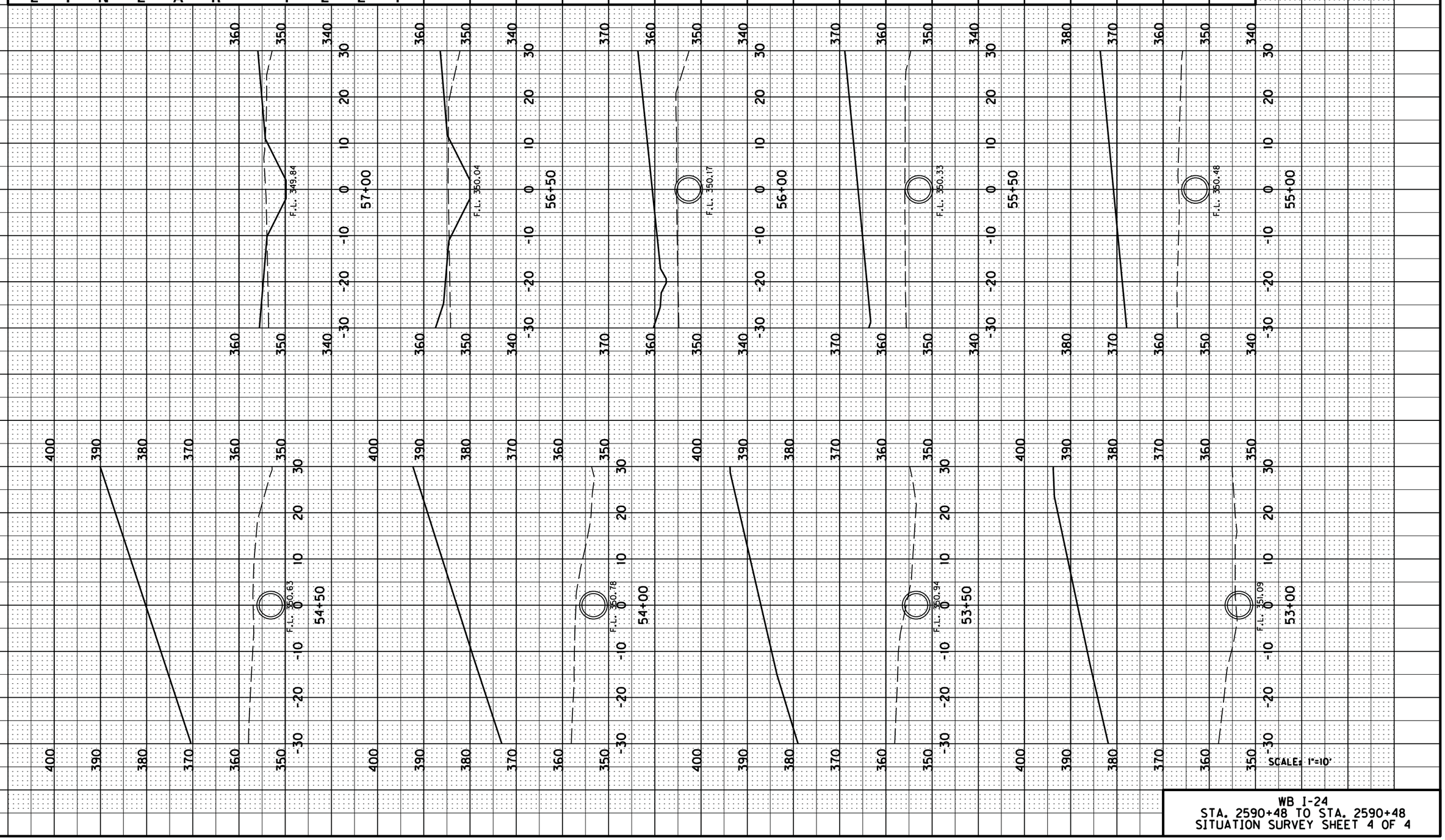
MicroStation v8i.11.9.578 | E-SHEET NAME: | USER: kcrider DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R141 PD4.DGN

PIPE DRAINAGE SHEET 5 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	142

STORM SEWER PIPE

L I N E A R F E E T



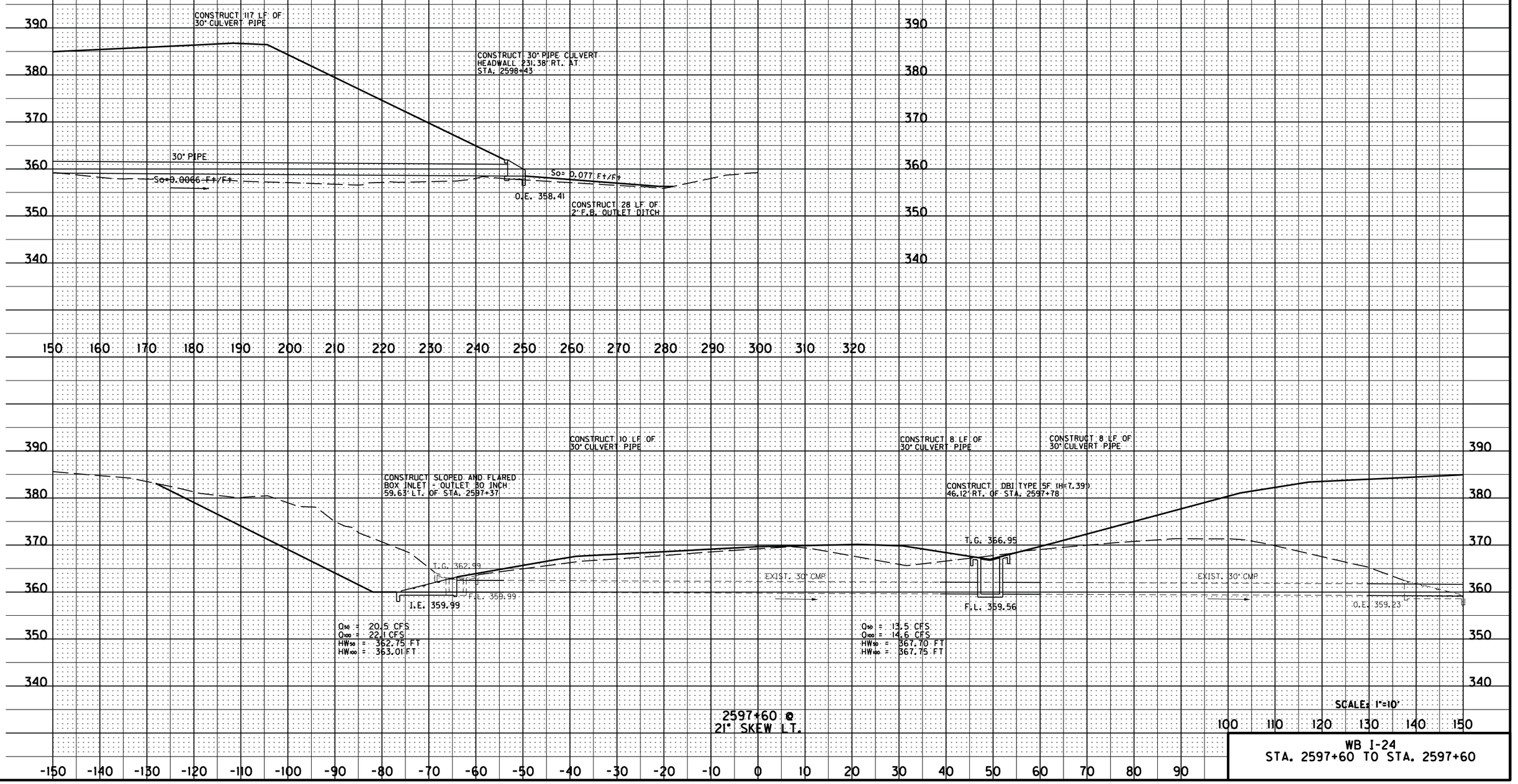
WB I-24
STA. 2590+48 TO STA. 2590+48
SITUATION SURVEY SHEET 4 OF 4

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R142 PDS.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 6 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R143

STORM SEWER PIPE	CULVERT PIPE	DROP BOX INLET TYPE 5F	S&F BOX INLET - OUTLET 30"	PIPE CULVERT HEADWALL 30"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	30"						
LINEAR FEET	LF	EACH	EACH	EACH	LF		LF
	143	1	1	1	37	M	25.3



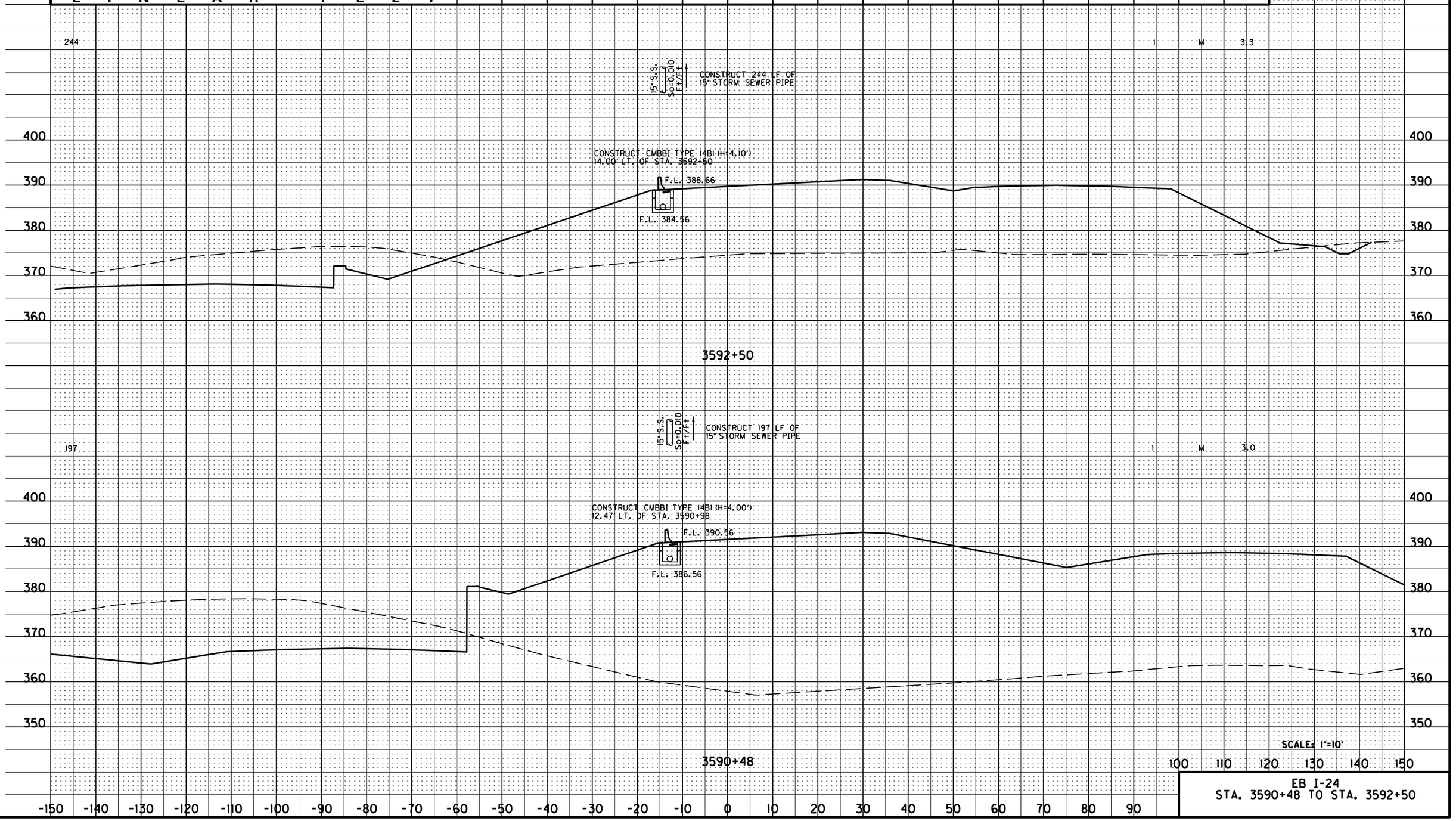
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R143 PD6.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 7 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R144

STORM SEWER PIPE

15"																		CONC. MEDIAN BARRIER BOX INLET TYPE 14B1	DESIGN DH LEVEL	MAX COVER HEIGHT
L I N E A R F E E T																		EACH		LF
244																		1	M	3.3
197																		1	M	3.0



EB I-24
STA. 3590+48 TO STA. 3592+50

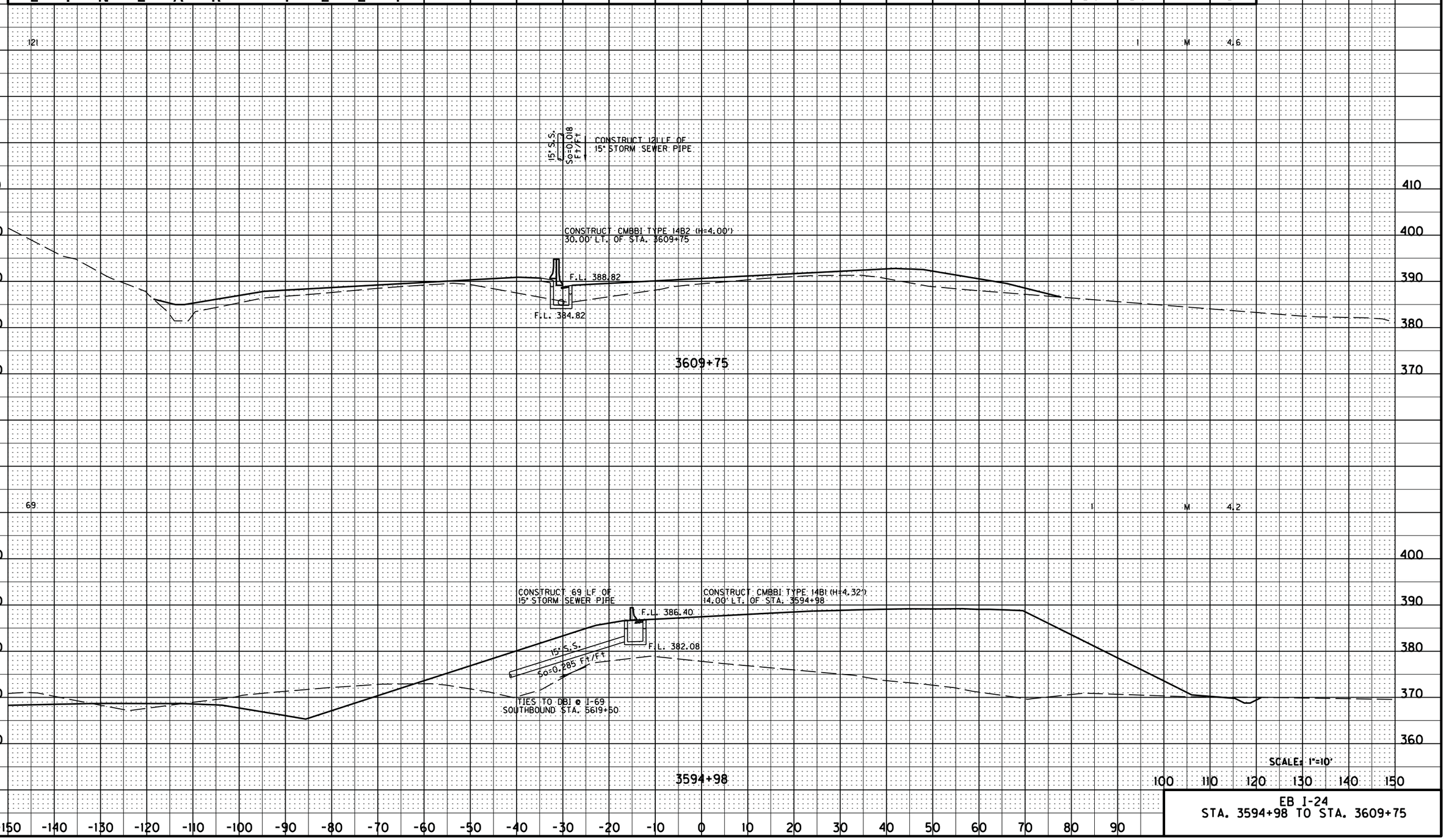
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R144 PDT.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 8 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R145

STORM SEWER PIPE

																CONC. MEDIAN BARRIER BOX INLET TYPE 14BI	CONC. MEDIAN BARRIER BOX INLET TYPE 14B2	DESIGN DH LEVEL	MAX COVER HEIGHT
15"																			
L I N E A R F E E T																EACH	EACH		LF
121																	1	M	4.6
69																	1	M	4.2



SCALE: 1"=10'

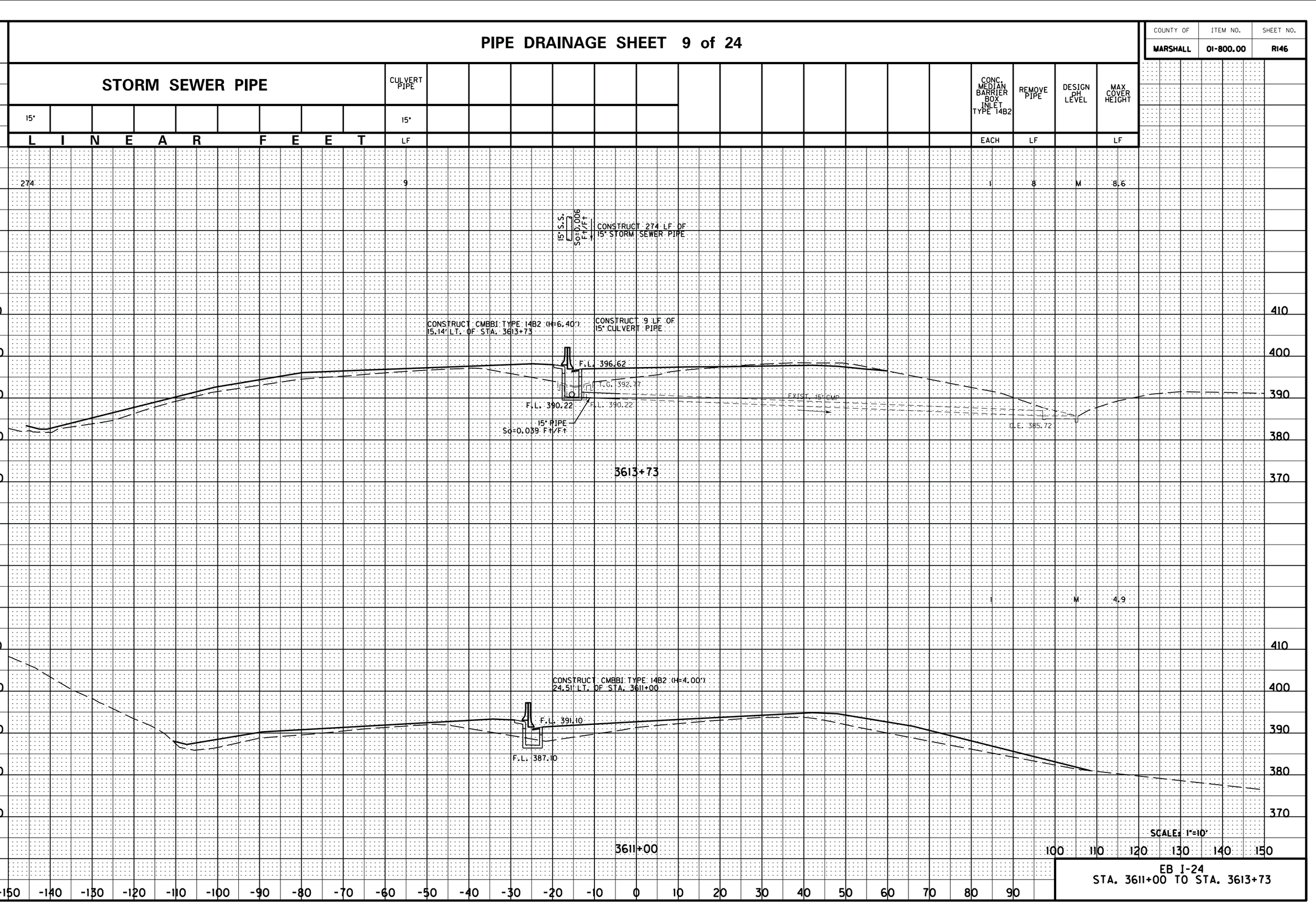
EB I-24
STA. 3594+98 TO STA. 3609+75

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R145 PD8.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 9 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R146

STORM SEWER PIPE	CULVERT PIPE												CONC. MEDIAN BARRIER BOX INLET TYPE 14B2	REMOVE PIPE	DESIGN DH LEVEL	MAX COVER HEIGHT
15"	15"															
L I N E A R F E E T	LF												EACH	LF		LF
274	9												1	8	M	8.6
													1		M	4.9



SCALE: 1"=10'

EB I-24
STA. 3611+00 TO STA. 3613+73

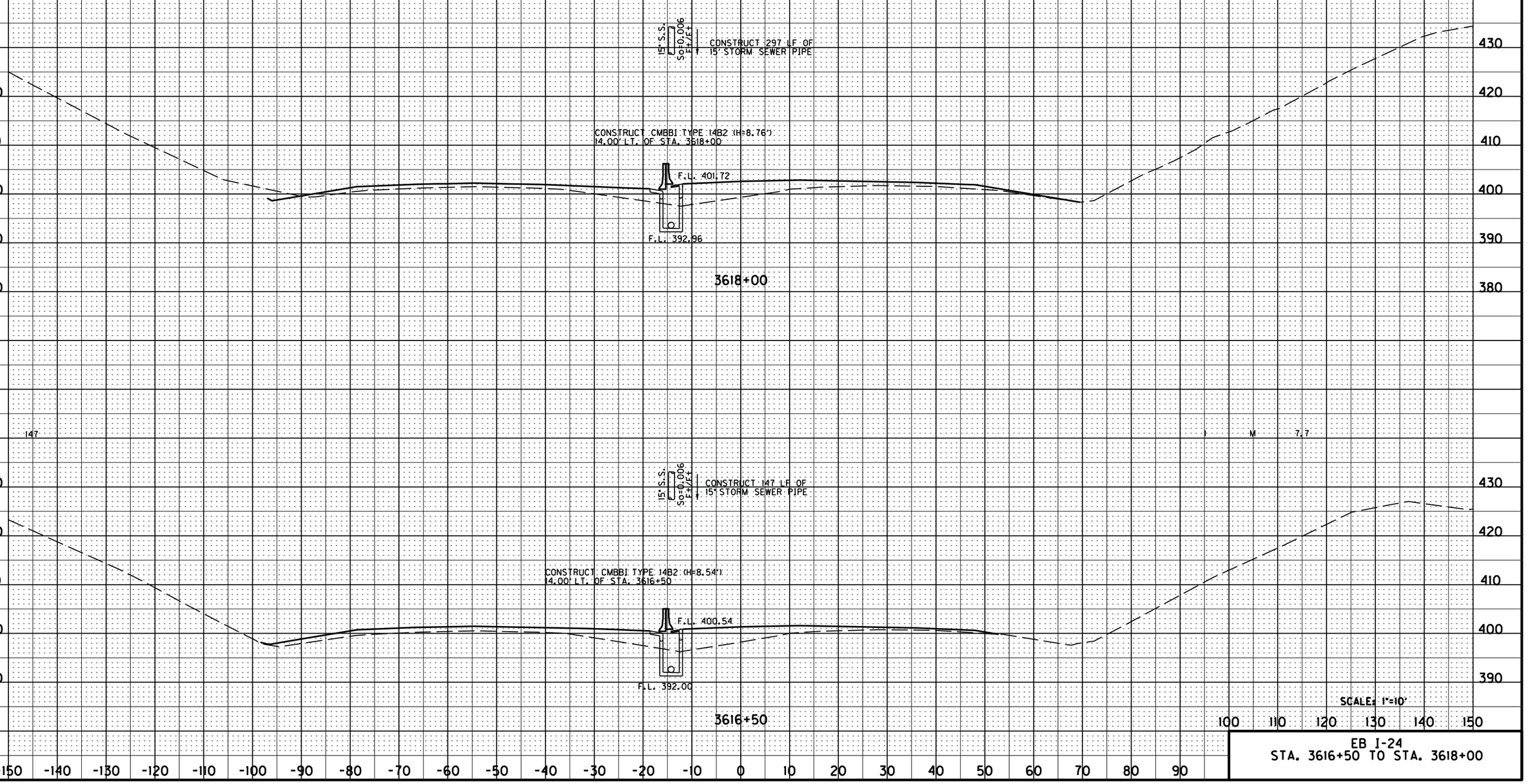
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R146 PD9.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 10 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R147

STORM SEWER PIPE

																		CONC MEDIAN BARRIER BOX INLET TYPE 14B2	DESIGN DH LEVEL	MAX COVER HEIGHT
15"																		EACH		LF
L I N E A R F E E T																				
297																		1	M	8.0
147																		1	M	7.7



EB I-24
STA. 3616+50 TO STA. 3618+00

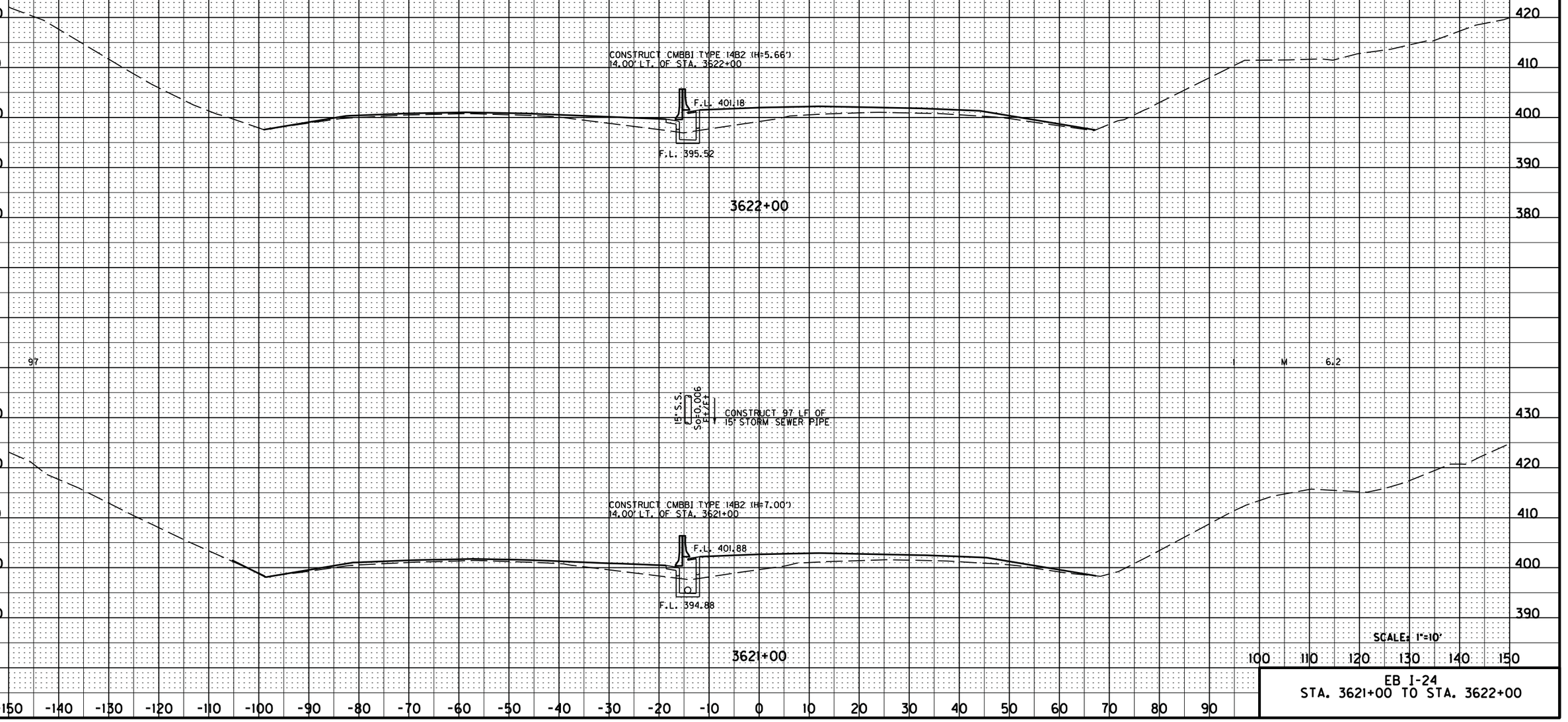
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R147 PDIO.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 11 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R148

STORM SEWER PIPE

15"	CONC MEDIAN BARRIER BOX INLET TYPE 14B2	DESIGN pH LEVEL	MAX COVER HEIGHT
LINEAR FEET	EACH		LF
	1	M	5.2
97	1	M	6.2



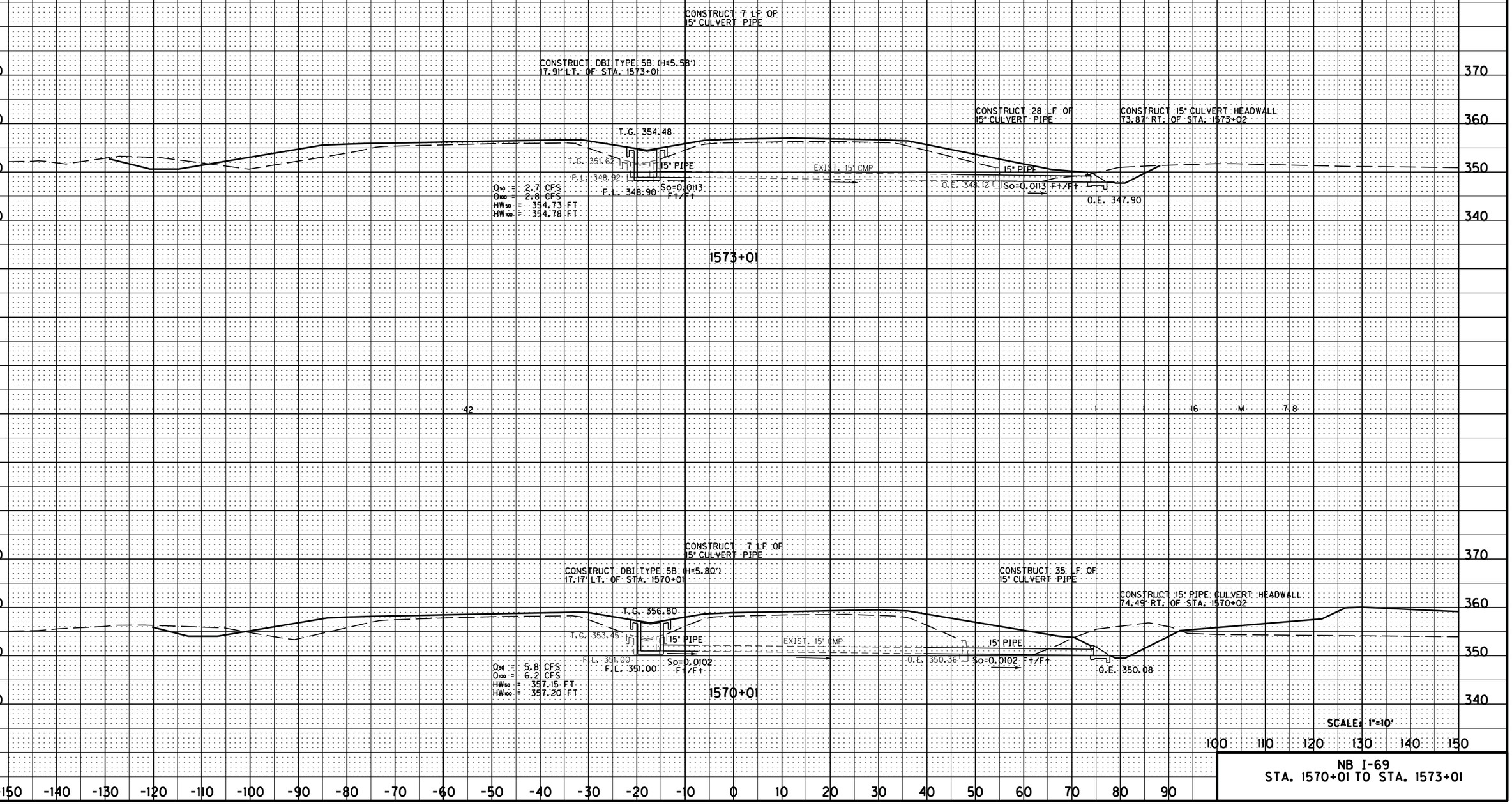
EB I-24
STA. 3621+00 TO STA. 3622+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R148 PDII.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 12 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R149

STORM SEWER PIPE	CULVERT PIPE	DROP BOX INLET TYPE 5B	PIPE CULVERT HEADWALL 15"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	15"					
LINEAR FEET	LF	EACH	EACH	LF		LF
	35	1	1	16	M	7.0
	42	1	1	16	M	7.8



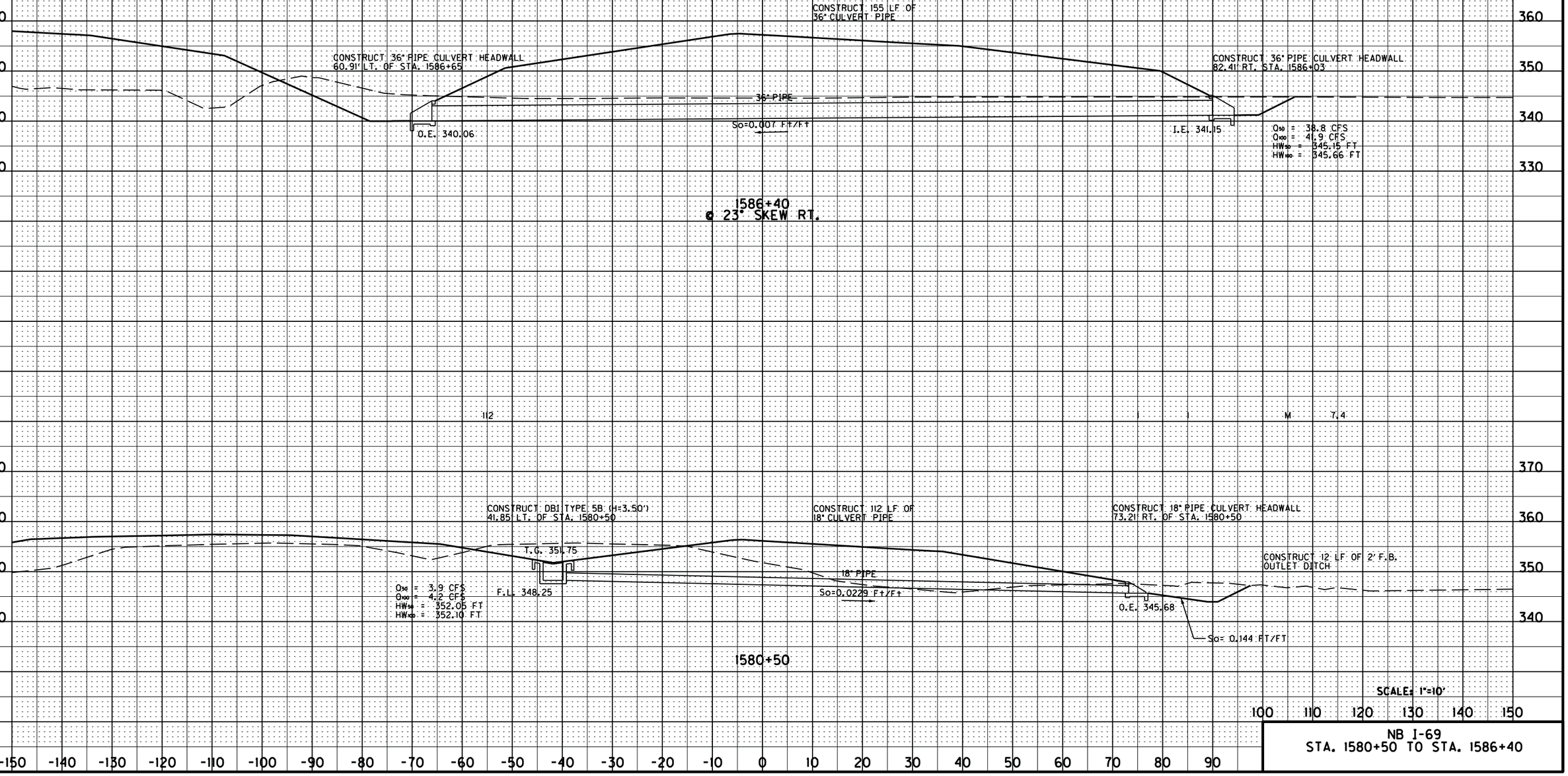
NB I-69
STA. 1570+01 TO STA. 1573+01

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R149 PD12.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 13 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R150

STORM SEWER PIPE	CULVERT PIPE	CULVERT PIPE											DROP BOX INLET TYPE 5B	PIPE CULVERT HEADWALL	PIPE CULVERT HEADWALL	DESIGN pH LEVEL	MAX COVER HEIGHT
	18"	36"															
L I N E A R F E E T	LF	LF											EACH	EACH	EACH		LF
		155													2	M	14.0
		112														M	7.4



NB I-69
STA. 1580+50 TO STA. 1586+40

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R150 PDI3.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 14 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R151

STORM SEWER PIPE	CULVERT PIPE	DROP BOX INLET TYPE 5B	DROP BOX INLET TYPE 5D	PIPE CULVERT HEADWALL 15"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	15"						
LINEAR FEET	LF	EACH	EACH	EACH	LF		LF
	47		1			M	8.9

CONSTRUCT 47 LF OF 15" CULVERT PIPE

CONSTRUCT DBI TYPE 5D (H=4.00') 82.74' LT. OF STA. 5587+00

121° SKEW RT.

T.G. 348.75

15" PIPE

O.E. 342.19

So=0.0516 Ft/Ft

F.L. 344.75

Q_{50} = 2.2 CFS
Q_{100} = 2.3 CFS
HW_{50} = 348.95 FT
HW_{100} = 349.00 FT

5587+00

	CULVERT PIPE	DROP BOX INLET TYPE 5B	DROP BOX INLET TYPE 5D	PIPE CULVERT HEADWALL 15"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	15"						
	LF	EACH	EACH	EACH	LF		LF
	34		1		16	M	6.1

CONSTRUCT 24 LF OF 15" CULVERT PIPE

CONSTRUCT 15" PIPE CULVERT HEADWALL 76.46' LT. OF STA. 5562+97

15" PIPE

O.E. 363.57

So=0.0276 Ft/Ft

F.L. 364.02

EXIST. 15" CMP

CONSTRUCT 10 LF OF 15" CULVERT PIPE

CONSTRUCT DBI TYPE 5B (H=4.47') 18.34' RT. OF STA. 5562+96

T.G. 370.58

T.G. 368.58

15" PIPE

F.L. 366.08

So=0.0276 Ft/Ft

F.L. 366.11

Q_{50} = 8.2 CFS
Q_{100} = 8.8 CFS
HW_{50} = 371.08 FT
HW_{100} = 371.13 FT

5562+96

SCALE: 1"=10'

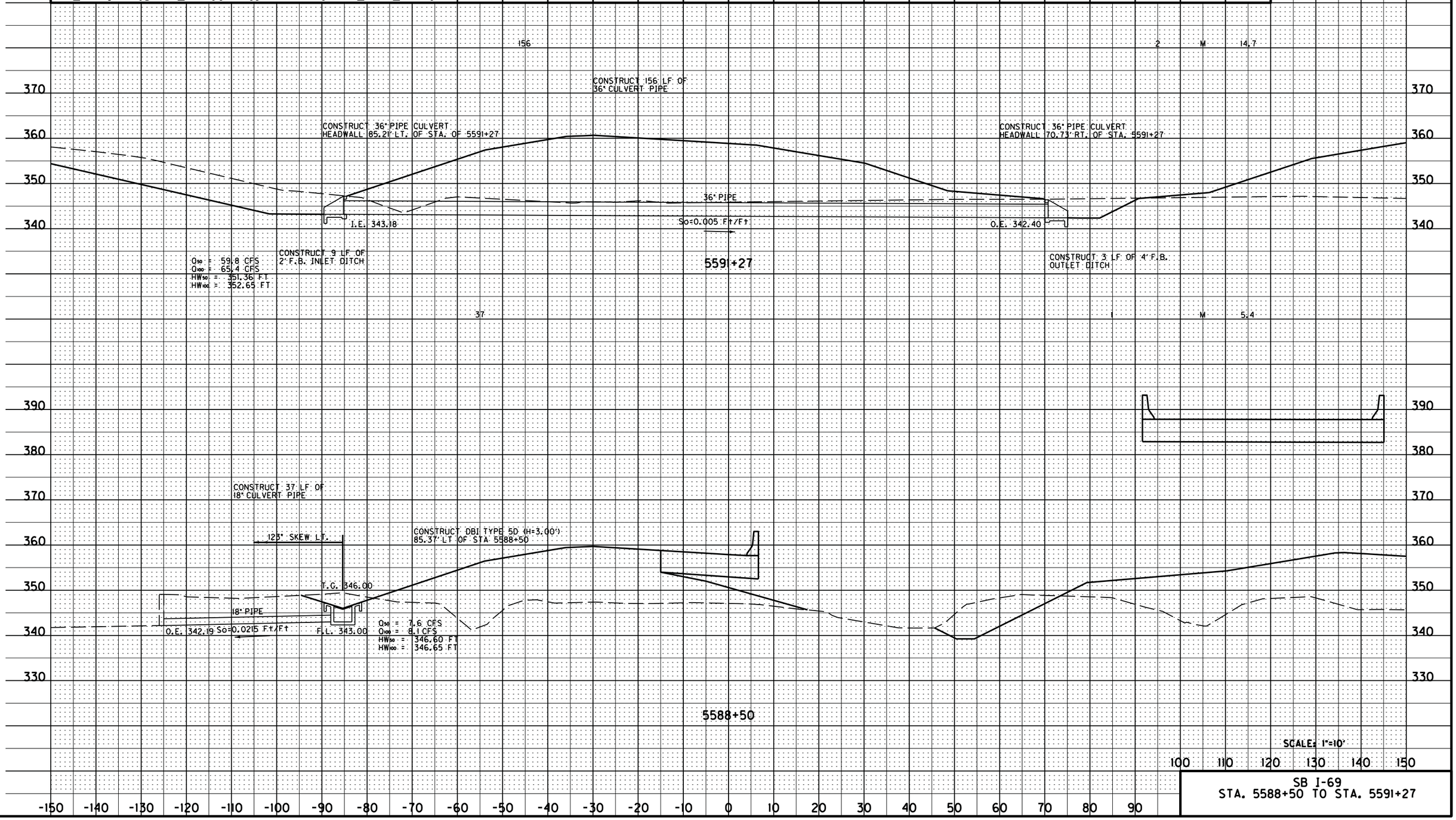
SB I-69
STA. 5562+96 TO STA. 5587+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R151PDI4.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 15 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R152

STORM SEWER PIPE	CULVERT PIPE 18"	CULVERT PIPE 36"	DROP BOX INLET TYPE 5D	PIPE CULVERT HEADWALL 36"	DESIGN pH LEVEL	MAX COVER HEIGHT
LINEAR FEET	LF	LF	EACH	EACH		LF
		156		2	M	14.7
	37		1		M	5.4



FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R152 PDI5.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 16 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	153

STORM SEWER PIPE	CULVERT PIPE			CONC MEDIAN BARRIER BOX INLET TYPE 14BI	PIPE CULVERT HEADWALL 24"	DESIGN pH LEVEL	MAX COVER HEIGHT
24"	24"						
L I N E A R F E E T	LF			EACH	EACH		LF
172	80	24" S.S. So=0.010 Ft/Ft	CONSTRUCT 172 LF OF 24" STORM SEWER PIPE	1	1	M	15.4
			CONSTRUCT CMBBI TYPE 14BI (H=10.01') 38.00' LT. OF STA. 5607+50				
			F.L. 363.71				
			CONSTRUCT 80 LF OF 24" CULVERT PIPE				
			CONSTRUCT 24" PIPE CULVERT HEADWALL 44.20' RT. OF STA. 5607+50				
			24" PIPE				
			So=0.000 Ft/Ft				
			F.L. 353.78				
			O.E. 352.96				
			So=0.172 Ft/Ft				
			CONSTRUCT 24 LF OF 2' F.B. OUTLET DITCH				
			5607+50				
167					2	M	14.3
			CONSTRUCT 167 LF OF 24" CULVERT PIPE				
			CONSTRUCT 24" PIPE CULVERT HEADWALL 83.58' LT. OF STA. 5601+00				
			Q_{50} = 10.5 CFS Q_{100} = 11.3 CFS HW_{50} = 350.26 FT HW_{100} = 350.35 FT				
			24" PIPE				
			So=0.0126 Ft/Ft				
			I.E. 348.41				
			CONSTRUCT 2 LF OF 2' F.B. INLET DITCH				
			O.E. 346.31				
			CONSTRUCT 24" PIPE CULVERT HEADWALL 83.03' RT. OF STA. 5601+00				
			5601+00				

400 390 380 370 360 350 340

370 360 350 340

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

100 110 120 130 140 150

SCALE: 1"=10'

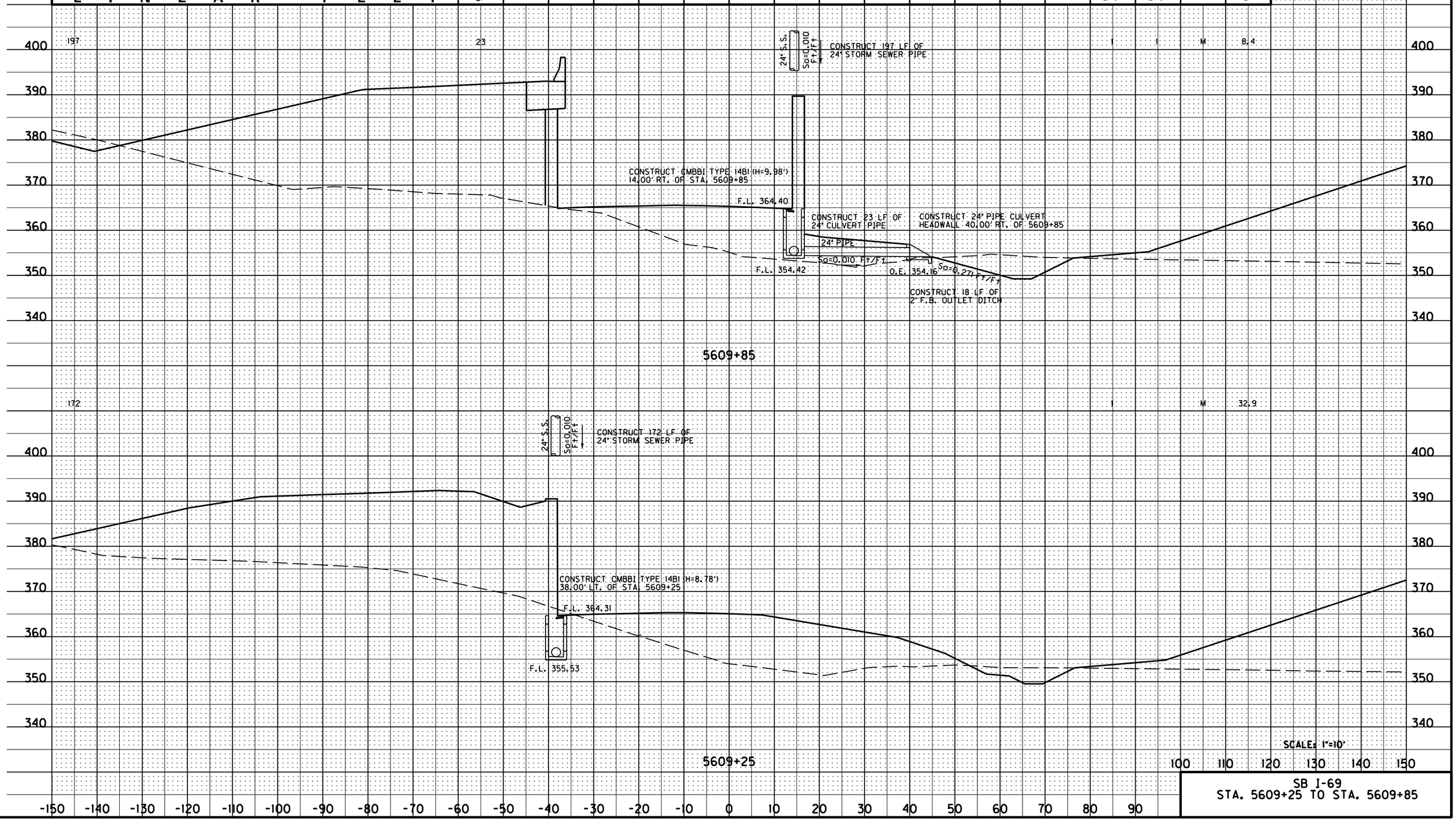
SB I-69
STA. 5601+00 TO STA. 5607+50

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R153 PDI6.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 17 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R154

STORM SEWER PIPE	CULVERT PIPE	CONC MEDIAN BARRIER BOX INLET TYPE 14BI	PIPE CULVERT HEADWALL 24"	DESIGN pH LEVEL	MAX COVER HEIGHT
24"	24"				
LINEAR FEET	LF	EACH	EACH		LF
197	23	1	1	M	8.4
172		1		M	32.9



SB I-69
STA. 5609+25 TO STA. 5609+85

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R154 PDI7.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 18 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R155

STORM SEWER PIPE

15"	24"								DROP BOX INLET TYPE I	CONC MEDIAN BARRIER BOX INLET TYPE 14BI	DESIGN pH LEVEL	MAX COVER HEIGHT
L I N E A R F E E T									EACH	EACH		LF
	197									1	M	17.3
	172	17								1	M	6.7

CONSTRUCT 197 LF OF 24" STORM SEWER PIPE
24" S.S. So=0.010 Ft/Ft

CONSTRUCT CMBBI TYPE 4BI (H=8.68')
14.00' RT. OF 5611+85

F.L. 365.10

F.L. 356.42

5611+85

CONSTUCT 172 LF OF 15" STORM SEWER PIPE
15" S.S. So=0.024 Ft/Ft

CONSTRUCT CMBBI TYPE 14BI (H=7.64')
38.00' LT. OF STA. 5611+00

CONSTRUCT DBI TYPE I (H=4.00')
60.00' LT. OF 5611+00

F.L. 364.92

T.G. 361.50

24" S.S.

Q_{50} = 9.3 CFS
Q_{100} = 10.1 CFS
HW_{50} = 362.10 FT
HW_{100} = 362.15 FT

F.L. 357.50

Sa=0.010 Ft/Ft

F.L. 357.28

CONSTRUCT 17 LF OF 24" STORM SEWER PIPE

5611+00

SCALE: 1"=10'

SB I-69
STA. 5611+00 TO STA. 5611+85

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R155 PDI8.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 19 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R156

STORM SEWER PIPE

24"	CONC MEDIAN BARRIER BOX INLET TYPE 14B1	DESIGN pH LEVEL	MAX COVER HEIGHT
LINEAR FEET	EACH		LF
197	1	M	32.8

24" S.S. So=0.005 F.F.

CONSTRUCT 197 LF OF 24" STORM SEWER PIPE

CONSTRUCT CMBBI TYPE 14B1 (H=7.37')
14.00' RT. OF STA. 5613+85

F.L. 365.79

F.L. 358.42

5613+85

1 M 3.3

CONSTRUCT CMBBI TYPE 14B1 (H=4.00')
38.00' LT. OF STA. 5612+75

F.L. 365.53

F.L. 361.53

5612+75

400 390 380 370 360 350

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALE: 1"=10'

SB I-69
STA. 5612+75 TO STA. 5613+85

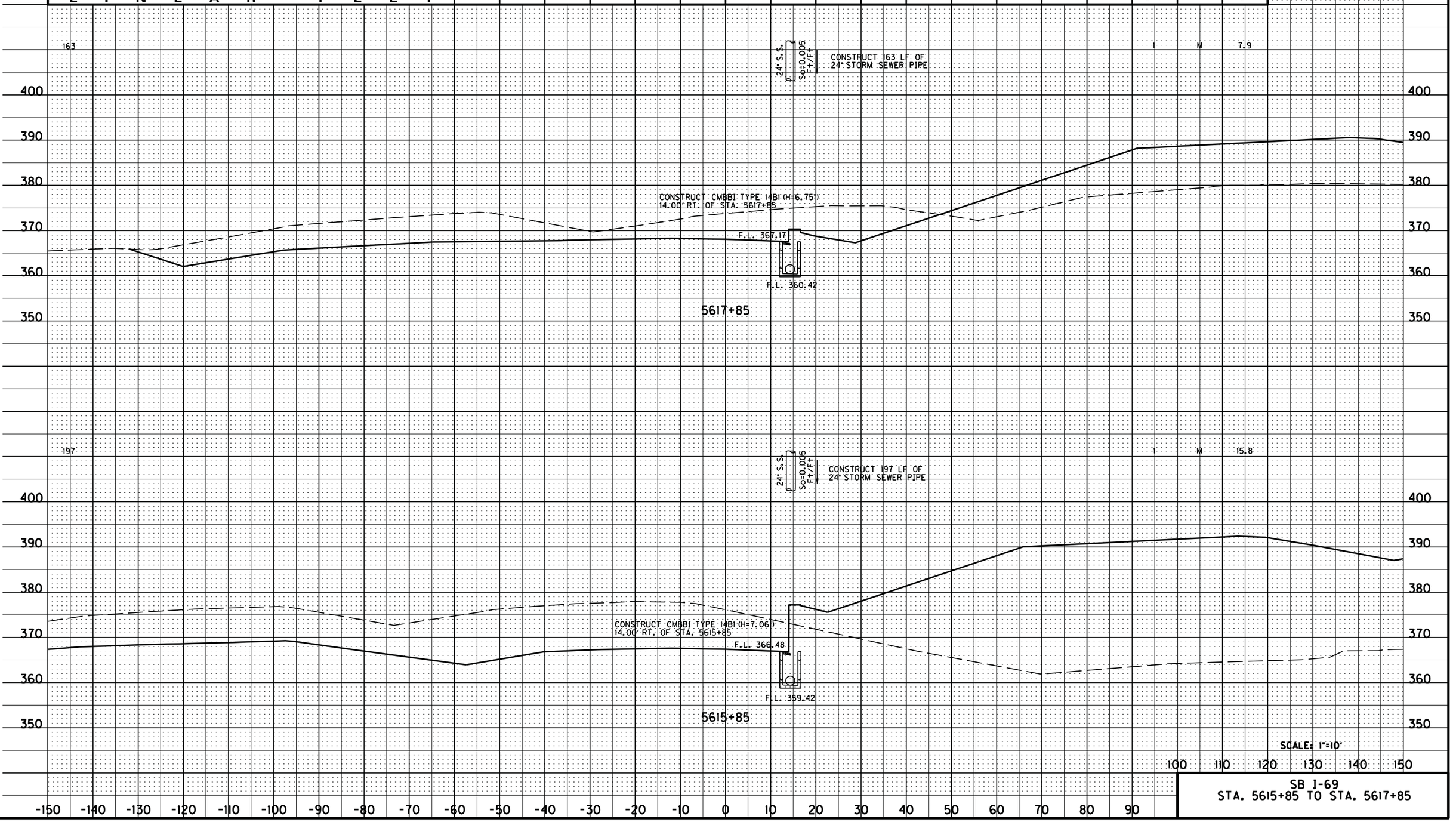
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R156 PDI9.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 20 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R157

STORM SEWER PIPE

24"	CONC MEDIAN BARRIER BOX INLET TYPE 14BI	DESIGN pH LEVEL	MAX COVER HEIGHT
L I N E A R F E E T	EACH		LF
163	1	M	7.9
197	1	M	15.8



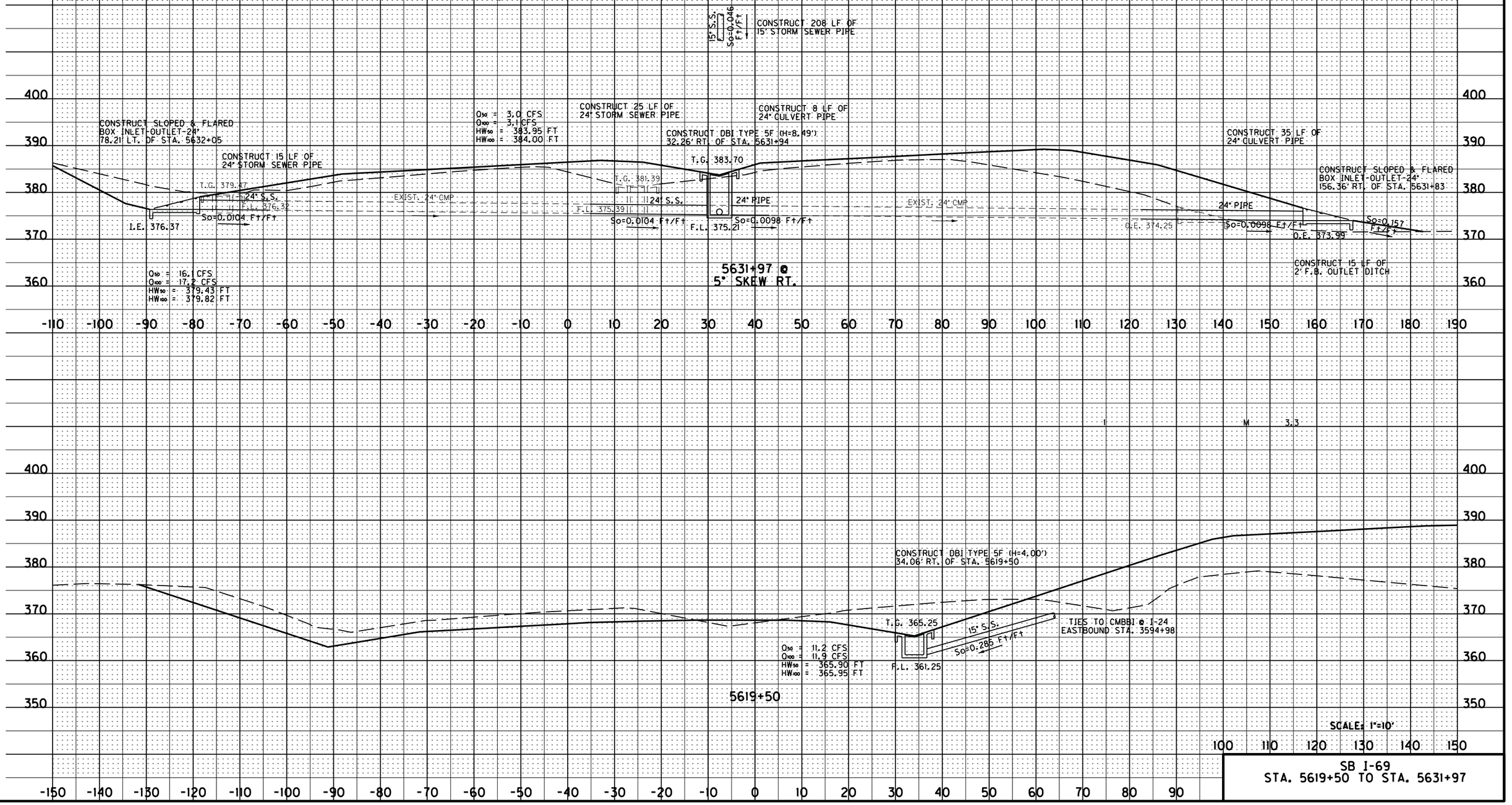
SB I-69
STA. 5615+85 TO STA. 5617+85

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R157 PD20.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 21 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R158

STORM SEWER PIPE									CULVERT PIPE								DROP BOX INLET TYPE 5F	S&F BOX INLET-OUTLET 24"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
15"	24"								24"												
L I N E A R F E E T									LF								EACH	EACH	LF		LF
208	40								43								1	2	50	M	12.5



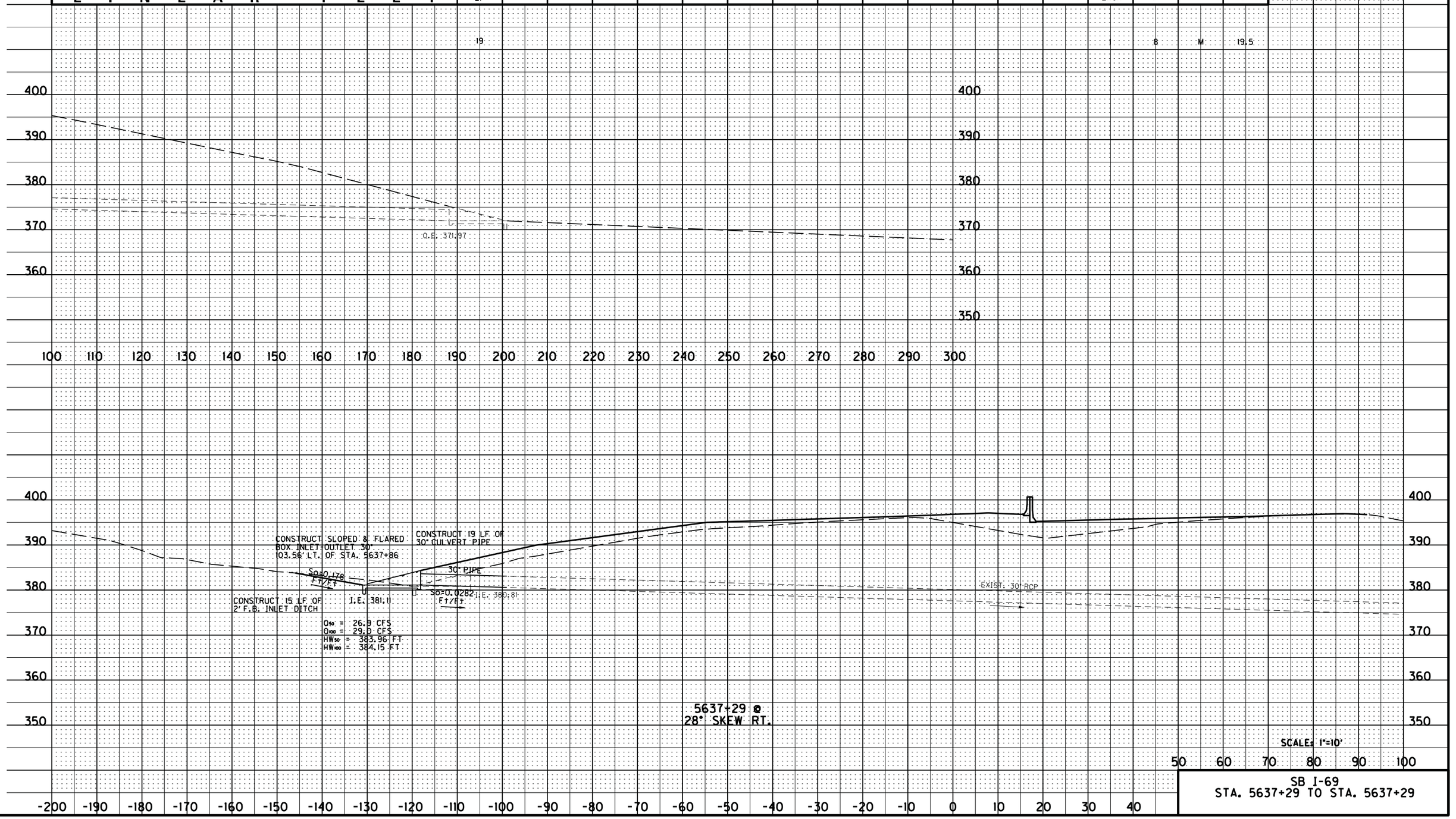
SB I-69
STA. 5619+50 TO STA. 5631+97

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R158 PD21.DGN
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 22 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R159

STORM SEWER PIPE	CULVERT PIPE						S&F BOX INLET-OUTLET 30"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	30"									
LINEAR FEET	LF						EACH	LF		LF
	19						1	8	M	19.5



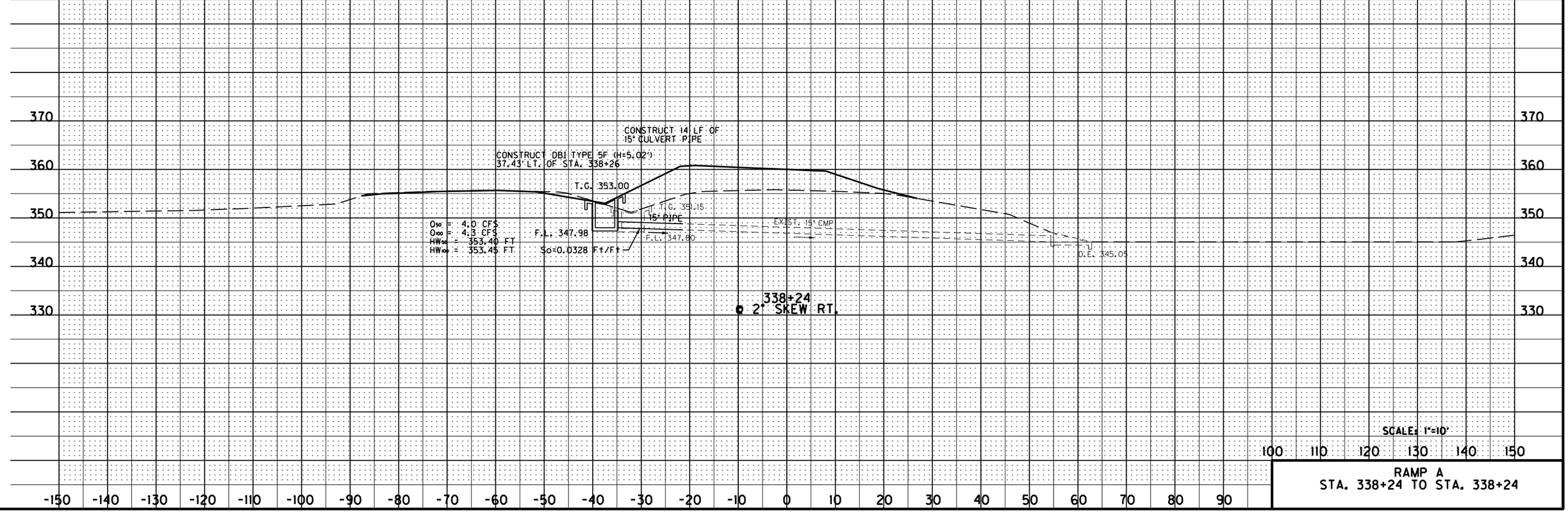
SB I-69
STA. 5637+29 TO STA. 5637+29

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R159 PD22.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

PIPE DRAINAGE SHEET 23 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R160

STORM SEWER PIPE	CULVERT PIPE							DROP BOX INLET TYPE 5F	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	15"										
LINEAR FEET	LF							EACH	LF		LF
	14							1	8	M	12.1



SCALE: 1"=10'

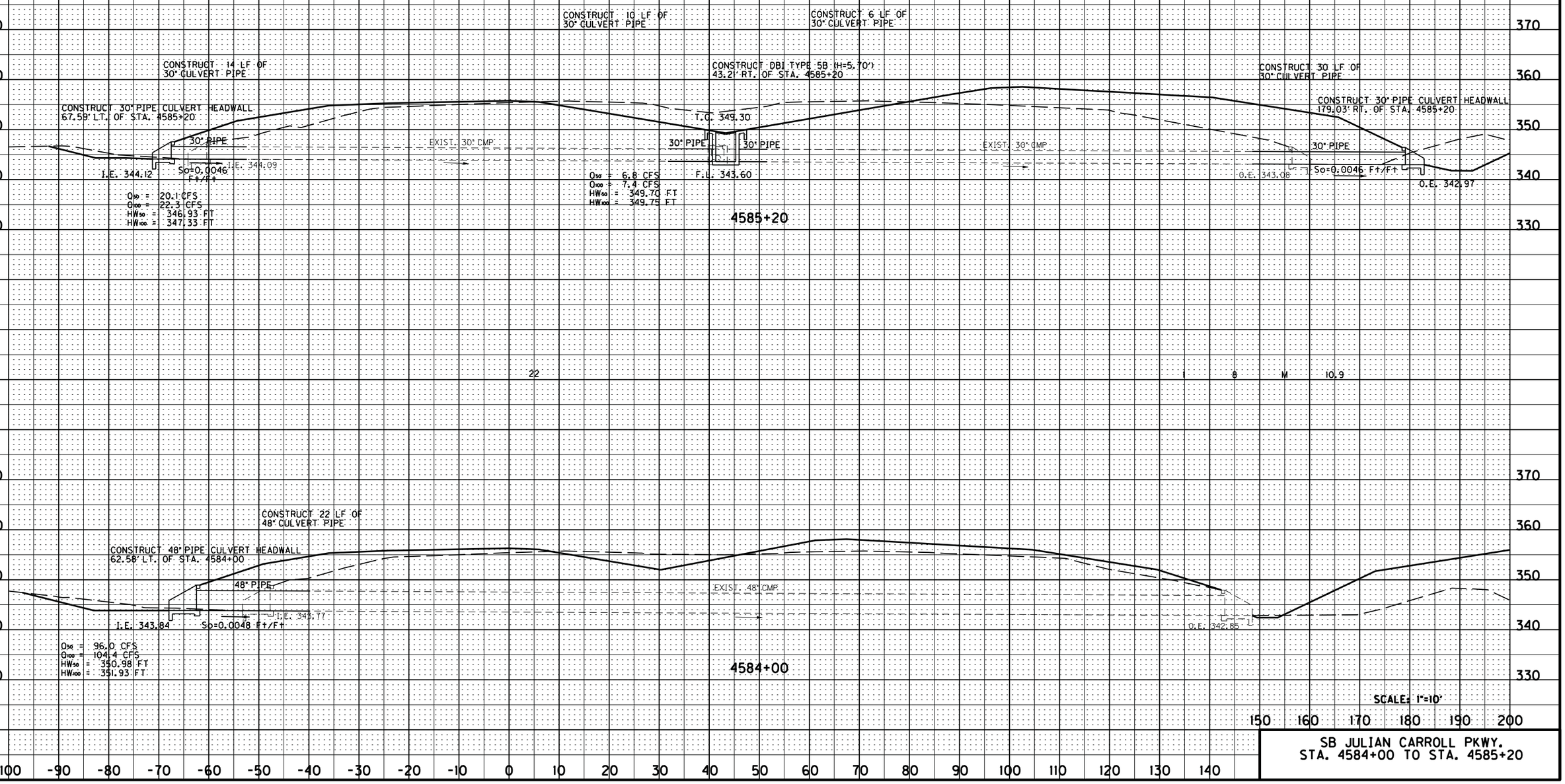
RAMP A
STA. 338+24 TO STA. 338+24

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R160 PD23.DGN
USER: korider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.9.578

PIPE DRAINAGE SHEET 24 of 24

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R161

STORM SEWER PIPE	CULVERT PIPE	CULVERT PIPE							DROP BOX INLET TYPE 5B	PIPE CULVERT HEADWALL 30"	PIPE CULVERT HEADWALL 48"	REMOVE PIPE	DESIGN pH LEVEL	MAX COVER HEIGHT
	30"	48"												
L I N E A R F E E T	LF	LF							EACH	EACH	EACH	LF		LF
	60								1	2		32	M	12.7
		22									1	8	M	10.9



SCALE: 1"=10'

SB JULIAN CARROLL PKWY.
STA. 4584+00 TO STA. 4585+20

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\R161PD24.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

GEOTECHNICAL SYMBOLS

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	RI63

AASHTO Classification of Soils and Soil-Aggregate Mixtures

General Classification	Granular Materials (35% or less passing 0.075 mm)							Silt-Clay Materials (More than 35% passing 0.075 mm)			
Group Classification	A-1		A-3	A-2				A-4	A-5	A-6	A-7
	A-1-a	A-1-b		A-2-4	A-2-5	A-2-6	A-2-7				A-7-5 A-7-6
Sieve Analysis, Percent Passing											
2.00 mm (No. 10)	50 max	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
0.425 mm (No. 40)	30 max	50 max	51 min	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
0.075 mm (No. 200)	15 max	25 max	10 max	35 max	35 max	35 max	35 max	36 min	36 min	36 min	36 min
Characteristics of Fraction Passing 0.425 mm (No. 40)											
Liquid Limit	- - -		- - -	40 max	41 min	40 max	41 min	40 max	41 min	40 max	41 min
Plasticity Index	6 max		N.P.	10 max	10 max	11 min	11 min	10 max	10 max	11 min	11 min

AI	Activity Index
LI	Liquidity Index
S+C	Silt + Clay (% finer than No.200 Sieve)
○	Rockline Soundings
◕	Disturbed Sample Boring
◎	Undisturbed Sample Boring
⊙	Undisturbed Sample Boring & Rock Core
●	Rock Core
◌	Slope Inclinometer Installation
	typical applications: ⊙ ◕ ◎ ⊙ ●
OW	Observation Well
➡	Approximate Footing Elevation
▼ (Date)	Water Elevation

VS (psf)	Field Vane Shear Strength
■	Thin-walled Tube Sample
<	Standard Penetration Test Sample
N	Penetration Resistance
Qu (psf)	Unconfined Compressive Strength
UU (psf)	Unconsolidated Undrained Triaxial Strength
w%	Moisture Content
KY RQD	Rock Quality Designation (Kentucky Method)
STD RQD	Rock Quality Designation (Standard Method)
SDI(JS)	Slake Durability Index (Jar Slake Test)
REC	Core Recovery
Ø	Angle of Internal Friction (Total Stress)
$\overline{Ø}$	Angle of Internal Friction (Effective Stress)
c (psf)	Cohesion (Total Stress)
$\overline{c}$ (psf)	Cohesion (Effective Stress)
δ (pcf)	Total Unit Weight
RDZ	Rock Disintegration Zone
OB	Overburden Bench
IB	Intermediate Bench
R	Refusal
NR	Refusal Not Encountered

Unified Soil Classifications

MAJOR DIVISIONS		SYMBOL	NAME
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel-sand mixtures, little or no fines.
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GM	Silty gravels, gravel-sand-silt mixtures.
		GC	Clayey gravels, gravel-sand-clay mixtures.
	SAND AND SANDY SOILS	SW	Well graded sands or gravelly sands, little or no fines.
		SP	Poorly graded sands or gravelly sands, little or no fines.
		SM	Silty sands, sand-silt mixtures.
		SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS	SILTS AND CLAYS LL IS LESS THAN 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays.
		ML-CL	Silty clay-silty clay with sand and or gravel, sandy silty clay, sandy silty clay with gravel, gravelly silty clay, gravelly silty clay with sand
	SILTS AND CLAYS LL IS GREATER THAN 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
		CH	Inorganic clays of high plasticity, fat clays.

Unified Soil Classifications - Continued

MAJOR DIVISIONS		SYMBOL	NAME
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GP-GC	Poorly graded gravel with clay (or silty clay), poorly graded gravel with clay and sand (or silty clay & sand)
		GP-GM	Poorly graded gravel with silt, poorly graded gravel with silt and sand
		GW-GC	Well graded gravel with clay (or silty clay), well graded gravel with clay and sand (or silty clay and sand)
		GW-GM	Well graded gravel with silt, well graded gravel with silt and sand
		GC-GM	Silty clayey gravel, silty clayey gravel with sand
	SAND AND SANDY SOILS	SW-SC	Well graded sand with clay (or silty clay), well graded sand with clay and gravel (or silty clay & gravel)
		SP-SC	Poorly graded sand with clay (or silty clay), poorly graded sand with clay and gravel (or silty clay and gravel)
		SP-SM	Poorly graded sand with silt, poorly graded sand with silt and gravel
		SC-SM	Silty clayey sand, silty clayey sand with gravel
		SW-SM	Well graded sand with silt, well graded sand with silt and gravel
UNCLASSIFIED MATERIAL		OH	Organic (High Plasticity)
		OL	Organic (Low Plasticity)

	LIMESTONE
	SANDSTONE
	DURABLE SHALE (SDI ≥ 95)
	NONDURABLE SHALE (SDI < 95)
	GRANULAR EMBANKMENT
	STRUCTURE GRANULAR BACKFILL
	TALUS, MINE WASTE, FILL MATERIAL, BOULDERS, & ETC.
	COAL
	DOLOMITE
	LIMESTONE (ARGILLACEOUS)
	SLOPE PROTECTION

GEOTECHNICAL SYMBOL SHEET

FILE NAME:
USER:
DATE:
E-SHEET NAME:
MicroStation v8.11.9.459

GEOTECHNICAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	R163A

1) Clearing and grubbing shall be in accordance with Section 202 of the current Kentucky Standard Specifications for Road and Bridge Construction.

2) Removal of structures and obstructions shall be in accordance with Section 203 of the current Kentucky Standard Specifications for Road and Bridge Construction.

3) In accordance with Section 206 of the current Kentucky Standard Specifications for Road and Bridge Construction, the moisture content of embankment material shall not vary from the optimum moisture content as determined by KM 64-511 by more than +2 percent or less than -2 percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment construction. Refer to the Family of Curves for moisture/density correlation.

4) All soils, whether from roadway or borrow, may require manipulation to obtain proper moisture content prior to compaction. Direct payment shall not be permitted for rehandling, hauling, stockpiling, and/or manipulating soils.

5) Excavation of surface ditches and channel changes adjacent to embankment areas shall be performed prior to the placement of the adjacent embankments. The material excavated for the channel changes and surface ditches is suitable for embankment construction if dried to proper moisture content in accordance with Section 206 of the current Kentucky Standard Specifications for Road and Bridge Construction.

6) The Contractor is responsible for conducting any operations necessary to excavate the cut areas to the required typical section. These operations shall be incidental to Roadway Excavation or Embankment-in-Place and no additional compensation shall be made for this work.

7) Foundation embankment benches shall be placed in accordance with Kentucky Standard Drawing RGX-010 at the locations listed below and/or as directed by the Engineer.

I-24 EB
STATIONS 3579+50 TO 3581+25
STATIONS 3583+25 TO 3584+75

I-24 WB
STATIONS 2563+25 TO 2565+25

I-69 NB
STATIONS 1557+00 TO 1561+75
STATIONS 1568+25 TO 1573+25

I-69 SB
STATIONS 5607+75 TO 5610+25

8) Transverse benching and/or perforated pipe underdrains shall be installed and/or extended at the following approximate locations and any others designated by the Engineer. Contrary to Kentucky Standard Drawing RDP-006 the transverse benching and perforated pipe underdrains shall be installed on both the upgrade and the downgrade cut to fill transitions.

I-24 EB
STATION 3579+00

I-69 NB
STATION 1579+50

I-69 SB
STATION 5583+50
STATION 5614+00

9) Perforated pipe for subgrade drainage shall be placed in vertical sags in accordance with Kentucky Standard Drawing RDP-005 at the following approximate locations and/or where designated by the Engineer.

I-24 EB
STATION 3602+68

I-69 NB
STATION 1582+21

RAMP A
STATION 310+35
STATION 340+74

I-24 WB
STATION 2554+02
STATION 2593+03

10) The existing subgrade is anticipated to be wet and soft in areas where the pavement is going to be removed and/or the roadway template is in a shallow cut. Therefore, a working platform will be required in these areas consisting of 2 feet of Kentucky Coarse Aggregate # 2's, 3's or 23's, in accordance with the current edition of Section 805 of the Kentucky Standard Specifications for Road and Bridge Construction. The platform shall extend from shoulder to shoulder in the fills and ditch line to ditch line in the cuts to assure positive drainage. The working platform shall be wrapped with Geotextile Fabric, Type IV, in accordance with Sections 214 & 843 of the Kentucky Standard Specifications for Road and Bridge Construction. The actual thickness may need to be adjusted by the Engineer during construction and may depend on seasonal fluctuations in the water table.

11) Construct 3 feet working platform for any new embankment construction on I-69 SB, I-69 Ramp A (See note #14 for exception due to installation of Wick Drains) and I-69 NB. The working platform will consist of Granular Embankment in accordance of Section 805 of the Kentucky Standards for Road and Bridge construction and classified as non-erodible. The Granular embankment shall extend to the toe of the slope to ensure positive drainage within the working platform. The Granular Embankment shall be wrapped with Geotextile Fabric, Type IV, in accordance with Sections 214 & 843 of the Kentucky Standard Specifications for Road and Bridge Construction. The actual thickness may need to be adjusted by the Engineer during construction and may depend on seasonal fluctuations in the water table.

12) The approach embankments for the Ramp A bridge shall be placed as one of the first efforts of roadway construction due to the anticipated settlement concerns. These embankments shall be built to full height within the limits specified in the plans. A minimum 2 months waiting period from Station 225+50 to Station 330+00 and a minimum of 6 months waiting period from Station 331+50 to Station 334+50 will be required following completion of the embankment before installation of the piles can begin. Based upon the results of the settlement data, KYTC Geotechnical Branch will determine when enough settlement has occurred to permit installation of the piles. The waiting period may be increased or decreased as required.

13) Settlement platforms shall be furnished and installed by the Contractor prior to the placement of the embankment. A settlement platform shall be placed behind both End Bents for Ramp A over I-69, on top of the embankment, at a location that they can be left in place for future readings after the project has been completed. The settlement platforms shall be in accordance with Section 216 of the current Kentucky Standard Specifications for Road and Bridge Construction and Kentucky Standard Drawing RGX-015. The Engineer will be responsible for reading the instrumentation. A pre-qualified Geotechnical Engineer or the KYTC Geotechnical Branch shall be responsible for evaluation of the settlement data. The Contractor shall be responsible for replacing all damaged platforms at no extra cost.

14) A 3 foot rock drainage blanket/working platform (See Wick Drain Detail) will be required at the following location prior to installing the wick drains. The drainage blanket/working platform shall extend from toe to toe of the slope to assure positive drainage. The rock drainage blanket/working platform shall consist of Kentucky Coarse Aggregate # 2's, 3's or 23's in accordance with Section 805 of the current Kentucky Standard Specifications for Road and Bridge Construction. The drainage blanket/working platform shall be underlain with Geotextile Fabric, Type IV. This drainage blanket will also serve as a working platform and may need to be adjusted in thickness as determined by the Engineer during construction. After completion of the wick drains a Geotextile Fabric, Type IV shall be placed on top of the drainage blanket. The Geotextile Fabric shall be in accordance with Section 214 & 843 of the current Kentucky Standard Specifications for Road and Bridge Construction.

Ramp A
STATION 326+50 TO TOE OF SPILL THRU SLOPE FOR END BENT 1

15) Wick drains shall be installed to a depth of 105 feet in accordance with Section 711 of the current Kentucky Standard Specifications for Road and Bridge Construction. The drainage blanket (see note #14) shall be constructed prior to the installation of the wick drains to serve as a working platform. Standard penetration testing indicates that some layers may be difficult on installing the wick drains. Pre-augering may be necessary to clear obstructions and ease installation of the wick drains. If pre-augering is deemed necessary, the costs shall be incidental to wick drain installation. The wick drains and drainage blanket details, intended for inclusion in the structure and roadway plans, are shown on an attached typical layout sheet.

16) All soil, mud, and other deleterious material shall be removed from the top of the working platform after wick drains are installed and prior to construction of the remaining embankment. Any granular material removed during this operation shall be replaced at no additional cost. The working platform shall be completely wrapped in Type IV Geotextile Fabric. The fabric on top of the working platform shall not be placed until after the wicks have been installed and the working platform cleared of deleterious material.

17) Borrow material, if required for subgrade, shall meet the minimum CBR value of 6.0.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

MARSHALL

PROJECT NUMBERS:

GEOTECHNICAL NOTES

MicroStation v8.11.9.459
E-SHEET NAME:
USER:
PLOTTED:
FILE NAME:

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	R163B

Field Drilling and Sampling were performed in March 2015.

Detailed data and interpretation of subsurface conditions encountered in individual borings are shown on the soil profile. Soil and rock strata descriptions and indicated boundaries are based on engineering interpretation of available subsurface information obtained at selected locations, and may not necessarily reflect the actual variation in subsurface conditions between borings and samples.

The observed water levels and/or subsurface conditions indicated on the soil profile are as recorded at the time of exploration. These water levels and/or subsurface conditions may vary considerable with time, according to the prevailing climate, rainfall or other factors and are otherwise dependent on the duration of and methods used in the exploration program.

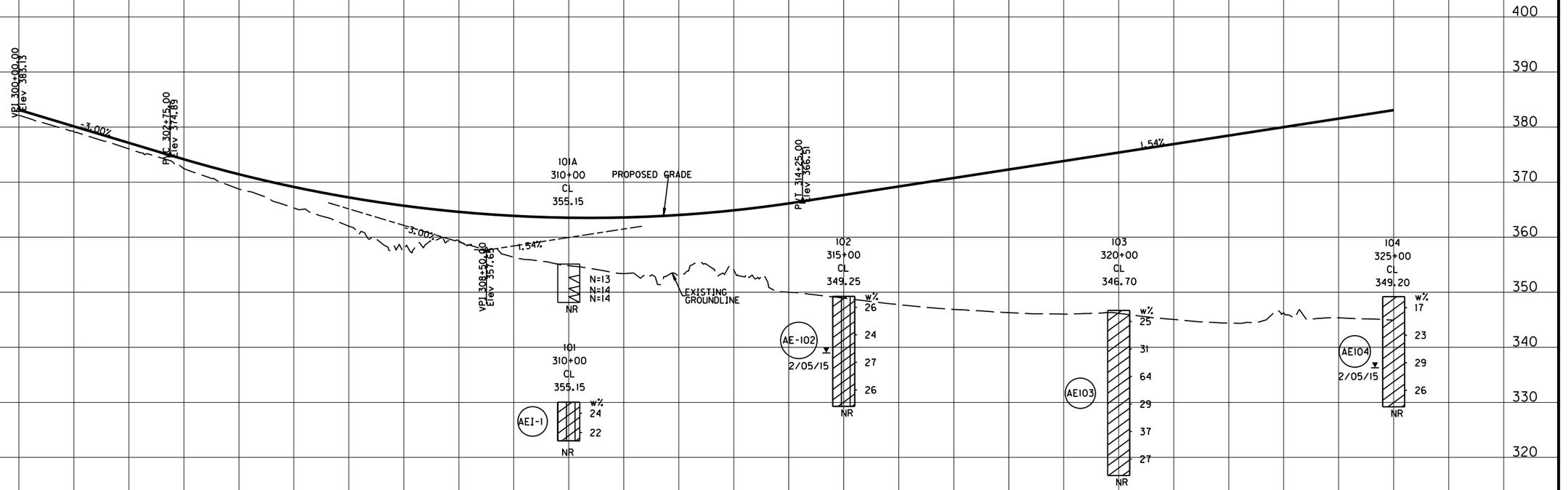
Selected rock cores and all applicable drill logs, are stored at the Division of Structural Design in Frankfort and are available for inspection request. Contact the Division of Structural Design, Geotechnical Branch for availability information and to schedule an inspection.

NOTICE - Without regard to the materials encountered, all roadway and drainage excavation shall be unclassified and shall be designated as Roadway Excavation. It shall be distinctly understood that any reference to rock, earth or any other materials on the plans or cross sections whether in numbers, words, letters, or lines, is solely for the Department's information and is not to be taken as an indication of classified excavation or the quantity of either rock, earth or any other material involved.

The bidder must draw his own conclusions as to the conditions to be encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation when the materials encountered are not in accord with the classification shown

REFER TO EMBANKMENT STABILITY FOR STATION 325+00

REFER TO GEOTECHNICAL NOTE # 9 FOR STATION 310+35



SAMPLE NO.		AEI-1	AE-102	AE103	AE104
STATION		310+00	315+00	320+00	325+00
OFFSET		CL	CL	CL	CL
DEPTH		0.0-7.0	0.0-20.0	0.0-30.0	0.0-20.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (- 3" + NO. 10)	2	1	1	5
	SAND (- NO 10 + NO. 200)	18	22	10	45
	SILT (- 0.075 mm + 0.002 mm)	62	67	76	31
	CLAY (- 0.002 mm)	17	10	13	19
LIQUID LIMIT		26	26	30	29
PLASTIC LIMIT		20	21	22	14
PLASTICITY INDEX		6	5	8	15
ACTIVITY INDEX		0.34	0.48	0.61	0.79
SPECIFIC GRAVITY		2.65	2.62	2.58	2.59
AASHTO CLASSIFICATION		A-4(3)	A-4(2)	A-4(7)	A-6(4)
UNIFIED CLASSIFICATION		CL-ML	CL-ML	CL	CL
CALIFORNIA BEARING RATIO		21	13	25	13
MAXIMUM DRY DENSITY (pcf)		113	115	109	122
OPTIMUM MOISTURE (%)		14	13	15	10
% +4.75mm MATERIAL IN CBR & MOISTURE-DENSITY TESTS		0	0	0	2

SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

382.2 383.13 300+00
379.2 380.14 301+00
376.0 377.14 302+00
372.5 374.15 303+00
368.8 371.45 304+00
365.3 368.14 305+00
362.0 367.23 306+00
357.6 365.71 307+00
359.3 364.59 308+00
356.4 363.86 309+00
354.8 363.53 310+00
353.4 363.59 311+00
353.0 364.04 312+00
354.1 364.89 313+00
350.0 366.14 314+00
348.9 367.66 315+00
347.8 369.20 316+00
346.9 370.74 317+00
346.3 372.28 318+00
346.0 373.83 319+00
346.2 375.37 320+00
345.1 376.91 321+00
344.4 378.45 322+00
346.3 379.99 323+00
345.3 381.53 324+00
344.9 383.07 325+00

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MARSHALL

RECONSTRUCT I-24 / I-69 CORRIDOR
JULIAN CARROLL (PURCHASE) PARKWAY INTERCHANGE

PROJECT NUMBERS: NH 0241 084
FD52 079 0024 024-026

SOIL PROFILE, RAMP A
STA. 300+00 to 325+00

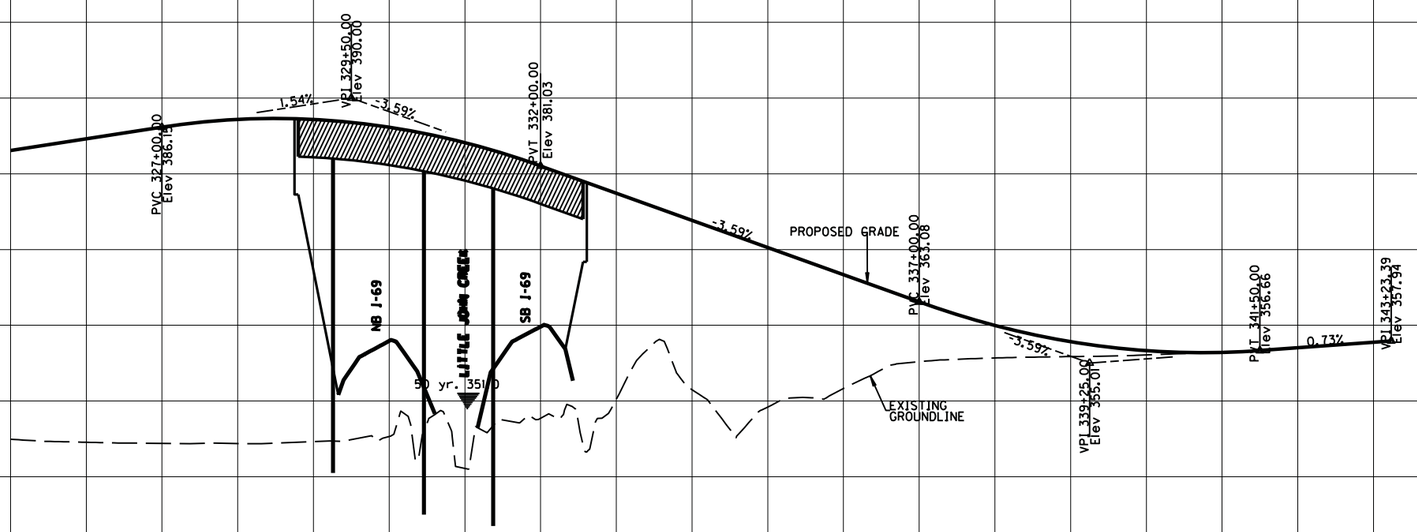
FILE NAME:
USER:
PLOTTED:
E-SHEET NAME:
MicroStation v8.11.9.459

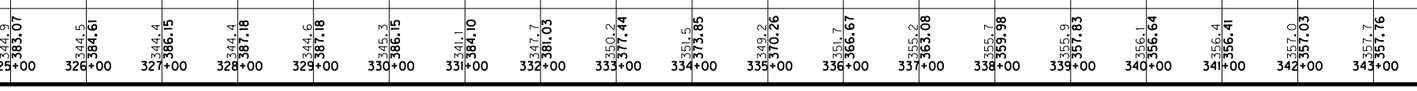
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163C

REFER TO GEOTECHNICAL NOTE * 9 FOR STATION 340+74

REFER TO GEOTECHNICAL NOTE * 14 FOR STATION 326+50 TO TOE OF SPILL THRU SLOPE FOR END BENT 1

REFER TO EMBANKMENT STABILITY FOR STATION 328+50





SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

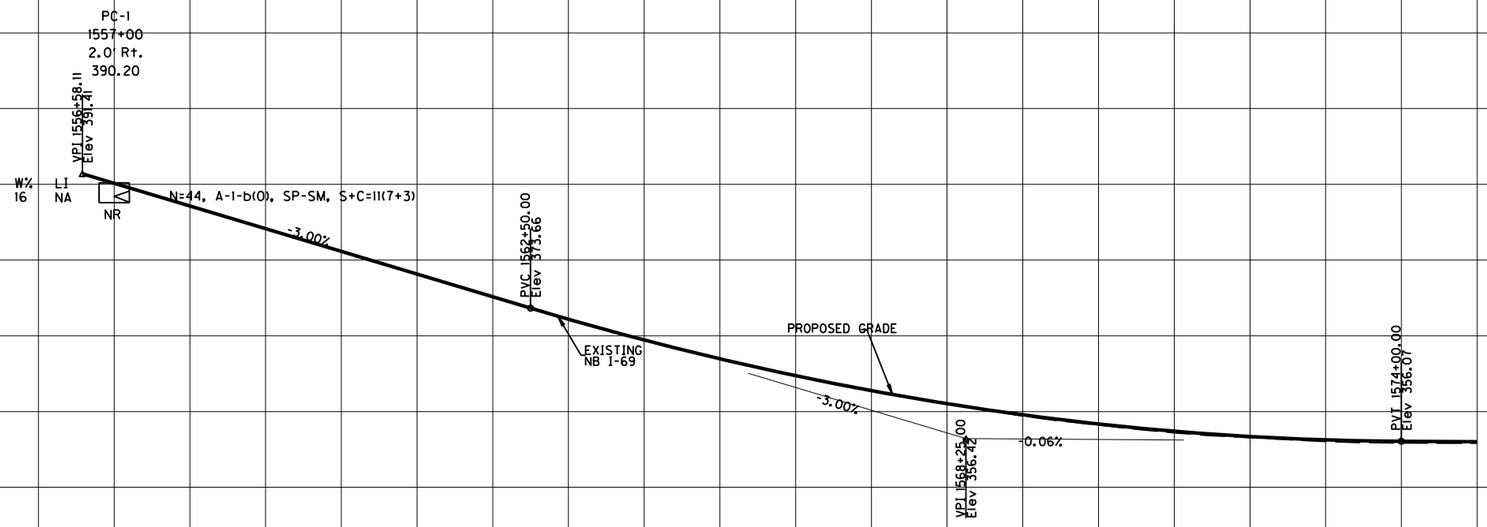
SOIL PROFILE, RAMP A
STA. 325+00 to 343+23.39

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R1630

REFER TO GEOTECHNICAL NOTE * 7 FOR STATIONS 1557+00 TO 1561+75

REFER TO GEOTECHNICAL NOTE * 7 FOR STATIONS 1568+25 TO 1573+25



400 390 380 370 360 350 340 330 320

390.1 387.1 384.2 381.1 378.2 375.2 372.3 369.5 367.0 364.7 362.7 361.0 359.4 358.2 357.2 356.6 356.1 355.8 355.8
1557+00 1558+00 1559+00 1560+00 1561+00 1562+00 1563+00 1564+00 1565+00 1566+00 1567+00 1568+00 1569+00 1570+00 1571+00 1572+00 1573+00 1574+00 1575+00

SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

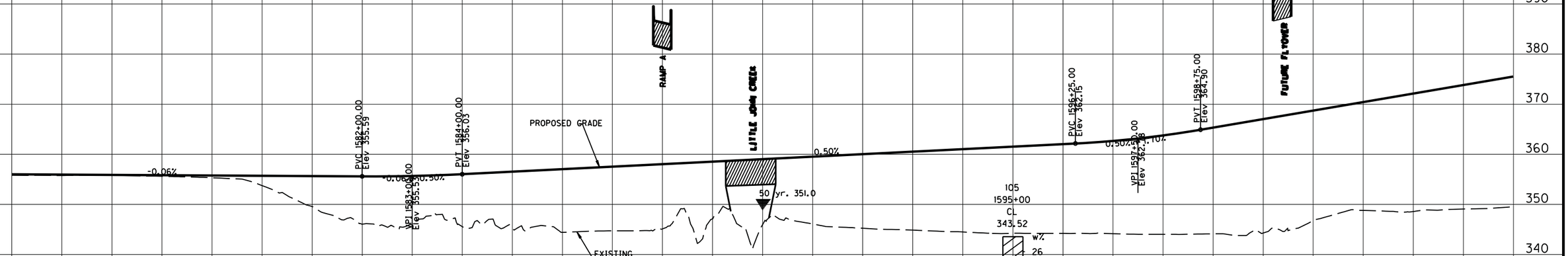
SOIL PROFILE, I-69 NB
STA. 1556+58.11 to 1575+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163E

REFER TO GEOTECHNICAL NOTE # 9 FOR STATION 1582+21

REFER TO GEOTECHNICAL NOTE # 8 FOR STATION 1579+50



SAMPLE NO.		TH-1
STATION		1595+00
OFFSET		CL
DEPTH		0.0-15.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (- 3" + NO. 10)	1
	SAND (- NO 10 + NO. 200)	6
	SILT (- 0.075 mm + 0.002 mm)	68
	CLAY (- 0.002 mm)	25
LIQUID LIMIT		36
PLASTIC LIMIT		23
PLASTICITY INDEX		13
ACTIVITY INDEX		0.53
SPECIFIC GRAVITY		2.61
AASHTO CLASSIFICATION		A-6(13)
UNIFIED CLASSIFICATION		CL
CALIFORNIA BEARING RATIO		-
MAXIMUM DRY DENSITY (pcf)		-
OPTIMUM MOISTURE (%)		-
% +4.75mm MATERIAL IN CBR & MOISTURE-DENSITY TESTS		0

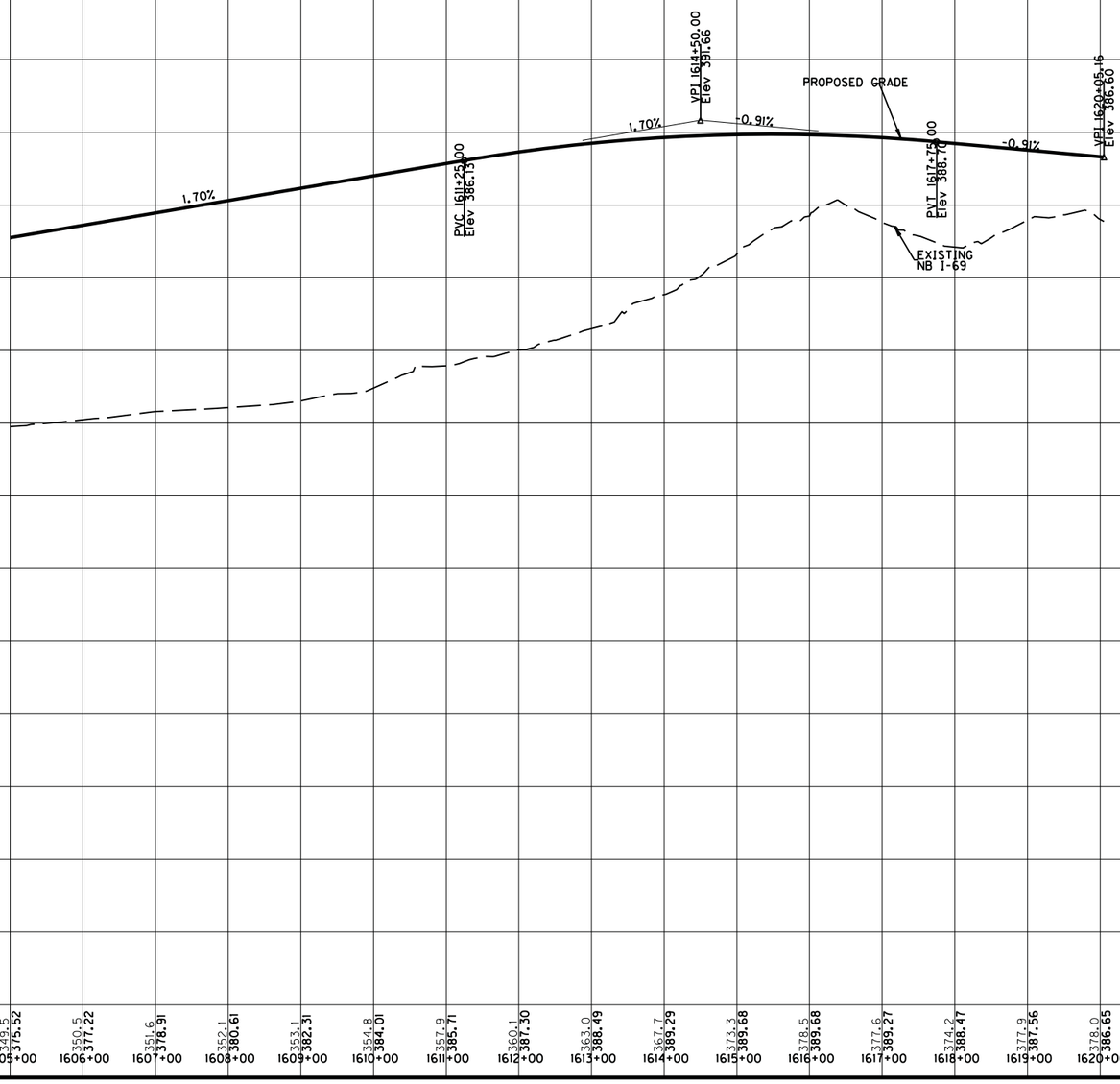
SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

1575+00	1576+00	1577+00	1578+00	1579+00	1580+00	1581+00	1582+00	1583+00	1584+00	1585+00	1586+00	1587+00	1588+00	1589+00	1590+00	1591+00	1592+00	1593+00	1594+00	1595+00	1596+00	1597+00	1598+00	1599+00	1600+00	1601+00	1602+00	1603+00	1604+00	1605+00
355.8 356.01	355.8 355.95	355.8 355.89	355.6 355.83	355.3 355.77	353.8 355.71	349.6 355.65	346.0 355.59	345.9 355.67	345.6 356.03	345.2 356.53	344.4 357.03	344.7 357.53	345.1 358.03	347.1 358.53	346.0 359.03	346.1 359.53	345.2 360.03	344.9 360.53	344.5 361.03	344.2 361.53	344.2 362.03	344.1 362.66	344.0 363.76	344.1 365.33	344.3 367.02	346.8 368.72	348.8 370.42	348.6 372.12	349.1 373.82	349.5 375.52

SOIL PROFILE, I-69 NB
STA. 1575+00 TO 1605+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163F



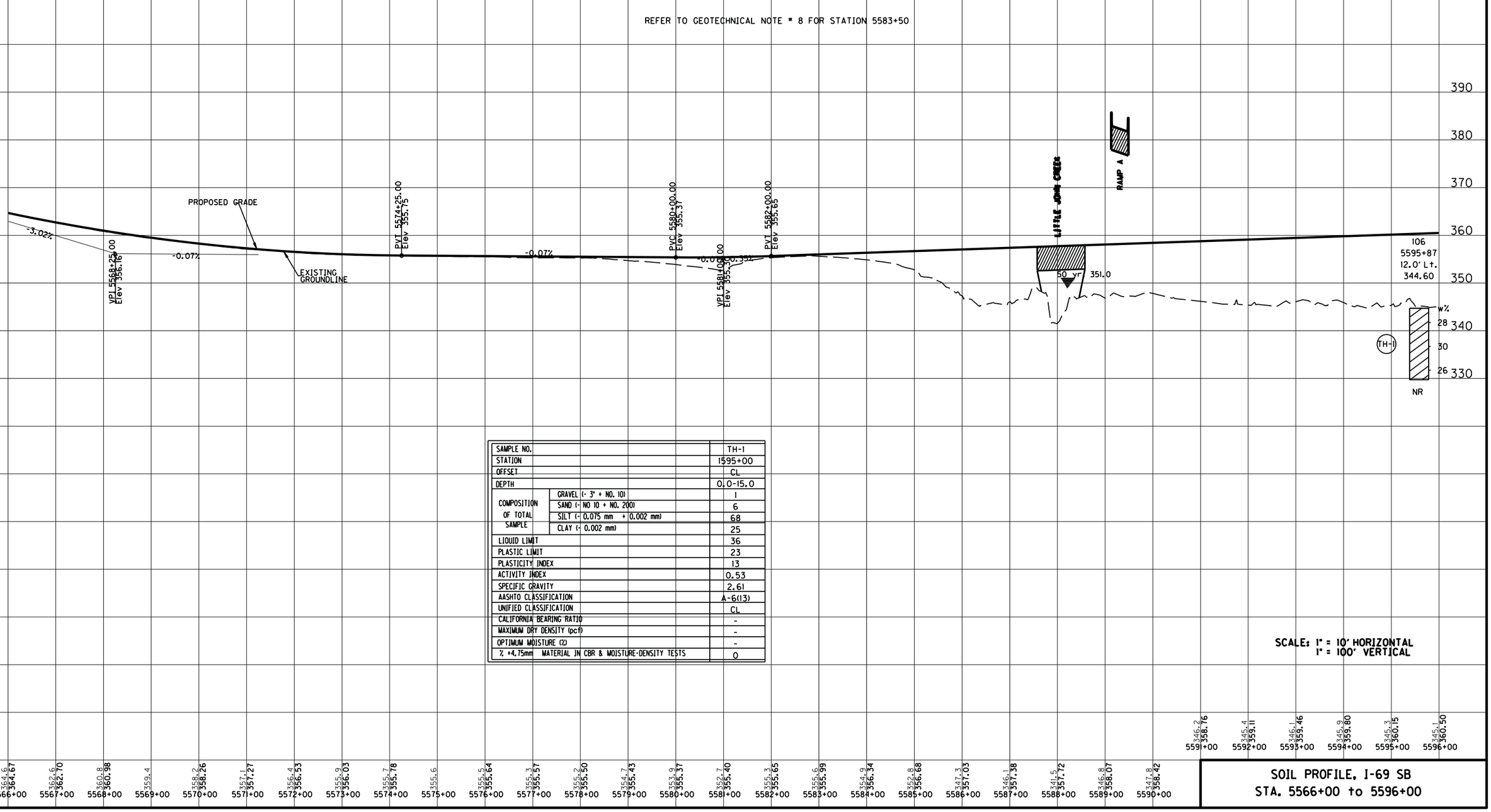
SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

SOIL PROFILE, I-69 NB
STA. 1605+00 to 1620+05.16

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163G

REFER TO GEOTECHNICAL NOTE * 8 FOR STATION 5583+50



SAMPLE NO.		TH-1
STATION		1595+00
OFFSET		CL
DEPTH		0.0-15.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (- 3" + NO. 10)	1
	SAND (- NO 10 + NO. 200)	6
	SILT (- 0.075 mm + 0.002 mm)	68
	CLAY (- 0.002 mm)	25
LIQUID LIMIT		36
PLASTIC LIMIT		23
PLASTICITY INDEX		13
ACTIVITY INDEX		0.53
SPECIFIC GRAVITY		2.61
AASHTO CLASSIFICATION		A-6(13)
UNIFIED CLASSIFICATION		CL
CALIFORNIA BEARING RATIO		-
MAXIMUM DRY DENSITY (pcf)		-
OPTIMUM MOISTURE (%)		-
% +4.75mm MATERIAL IN CBR & MOISTURE-DENSITY TESTS		0

SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

SOIL PROFILE, I-69 SB
STA. 5566+00 to 5596+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163H

REFER TO GEOTECHNICAL NOTE * 8 FOR STATION 5614+00

REFER TO GEOTECHNICAL NOTE * 7 FOR STATIONS 5607+75 TO 5610+25

EB I-24

PROPOSED GRADE

0.35%

0.35%

0.35%

1.35%

PVC 5622+25.00
Elev 365.39

VPI 5624+00.00
Elev 370.19

PVI 5625+75.00
Elev 372.60

107
5605+00
CL
349.20

EXISTING GROUNDLINE

TH-2

w%	
16	
21	
24	
NR	

SAMPLE NO.		TH-2
STATION		5605+00
OFFSET		CL
DEPTH		0.0-8.0
COMPOSITION OF TOTAL SAMPLE	GRAVEL (- 3" + NO. 10)	5
	SAND (- NO 10 + NO. 200)	78
	SILT (- 0.075 mm + 0.002 mm)	2
	CLAY (- 0.002 mm)	15
LIQUID LIMIT		0
PLASTIC LIMIT		0
PLASTICITY INDEX		0
ACTIVITY INDEX		0
SPECIFIC GRAVITY		2.62
AASHTO CLASSIFICATION		A-2-4(0)
UNIFIED CLASSIFICATION		SM
CALIFORNIA BEARING RATIO		-
MAXIMUM DRY DENSITY (pcf)		-
OPTIMUM MOISTURE (%)		-
% +4.75mm MATERIAL IN CBR & MOISTURE-DENSITY TESTS		3

SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

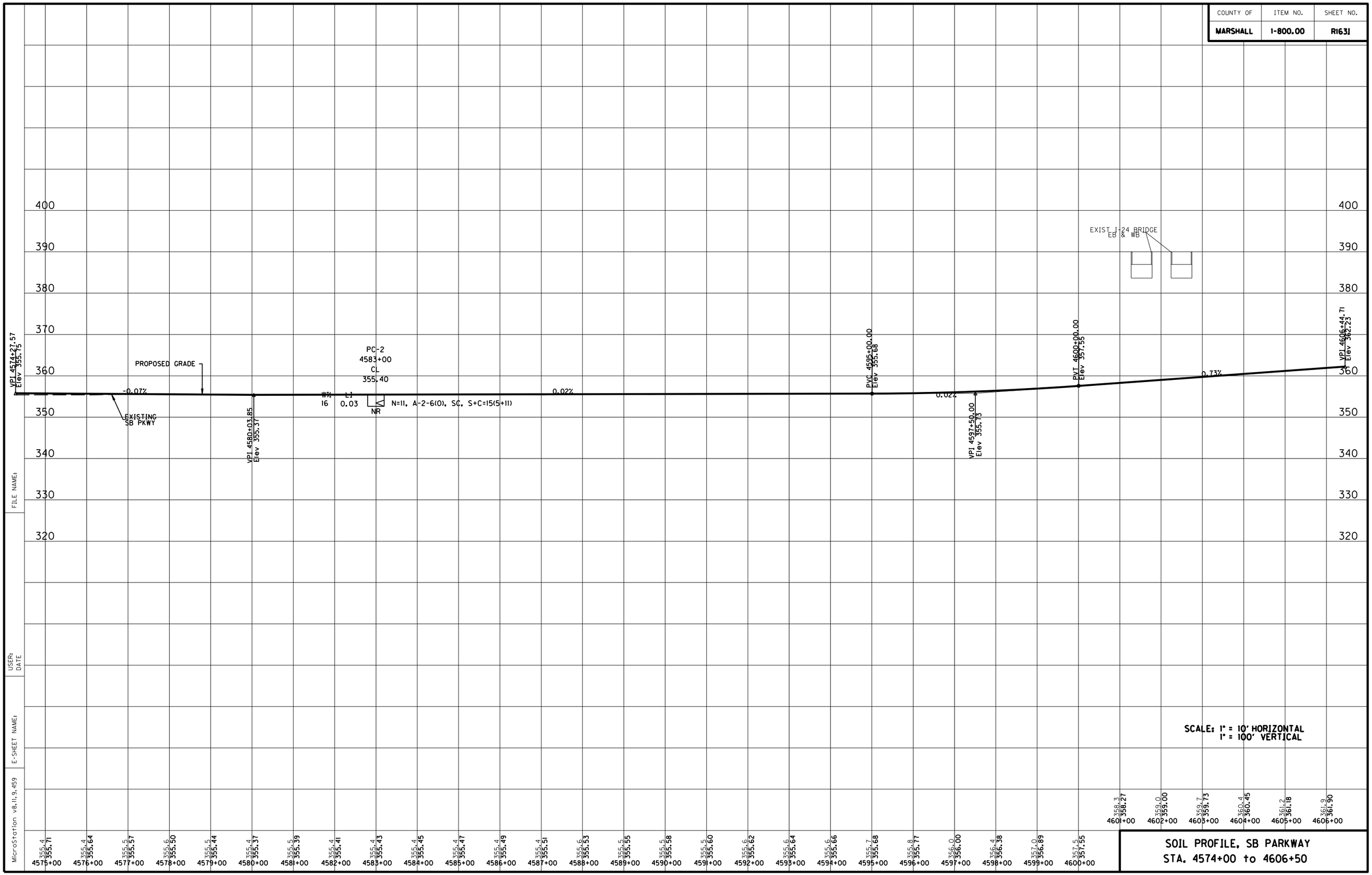
5596+00	5597+00	5598+00	5599+00	5600+00	5601+00	5602+00	5603+00	5604+00	5605+00	5606+00	5607+00	5608+00	5609+00	5610+00	5611+00	5612+00	5613+00	5614+00	5615+00	5616+00	5617+00	5618+00	5619+00	5620+00
345.1	344.6	345.0	344.4	344.4	346.1	349.0	349.8	350.0	350.5	349.8	350.1	351.0	354.9	354.5	358.0	359.0	361.0	366.7	372.6	376.8	376.3	373.3	369.6	366.7
360.50	360.84	361.19	361.53	361.88	362.23	362.57	362.92	363.27	363.61	363.96	364.31	364.65	365.00	365.34	365.69	366.04	366.38	366.73	367.08	367.42	367.77	368.12	368.46	368.81

5621+00	5622+00	5623+00	5624+00	5625+00	5626+00
367.3	368.2	368.9	369.8	371.0	372.8
369.16	369.50	369.98	370.89	372.27	374.09

SOIL PROFILE, I-69 SB
STA. 5596+00 to 5626+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R1631

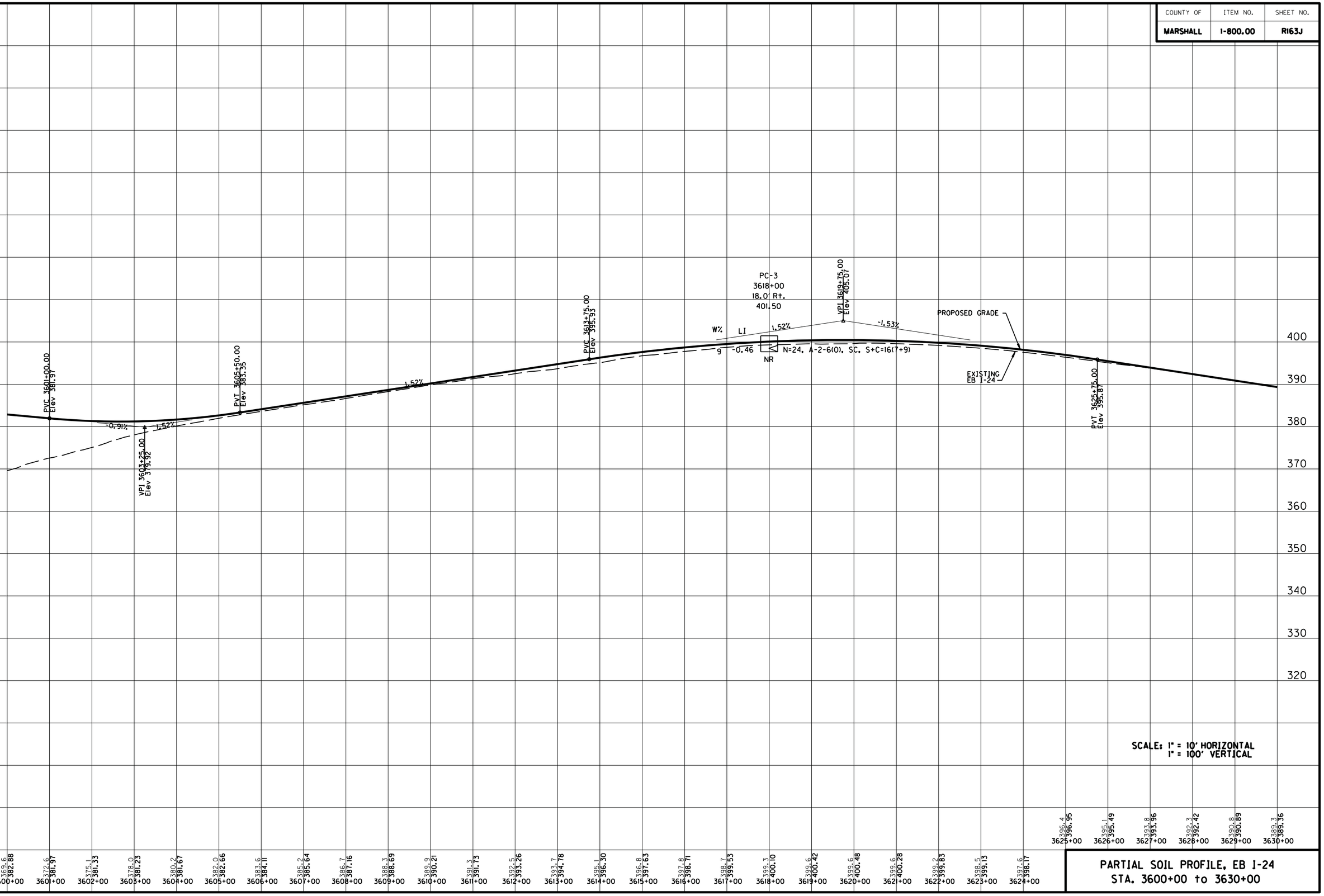


SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

SOIL PROFILE, SB PARKWAY
STA. 4574+00 to 4606+50

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163J



SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

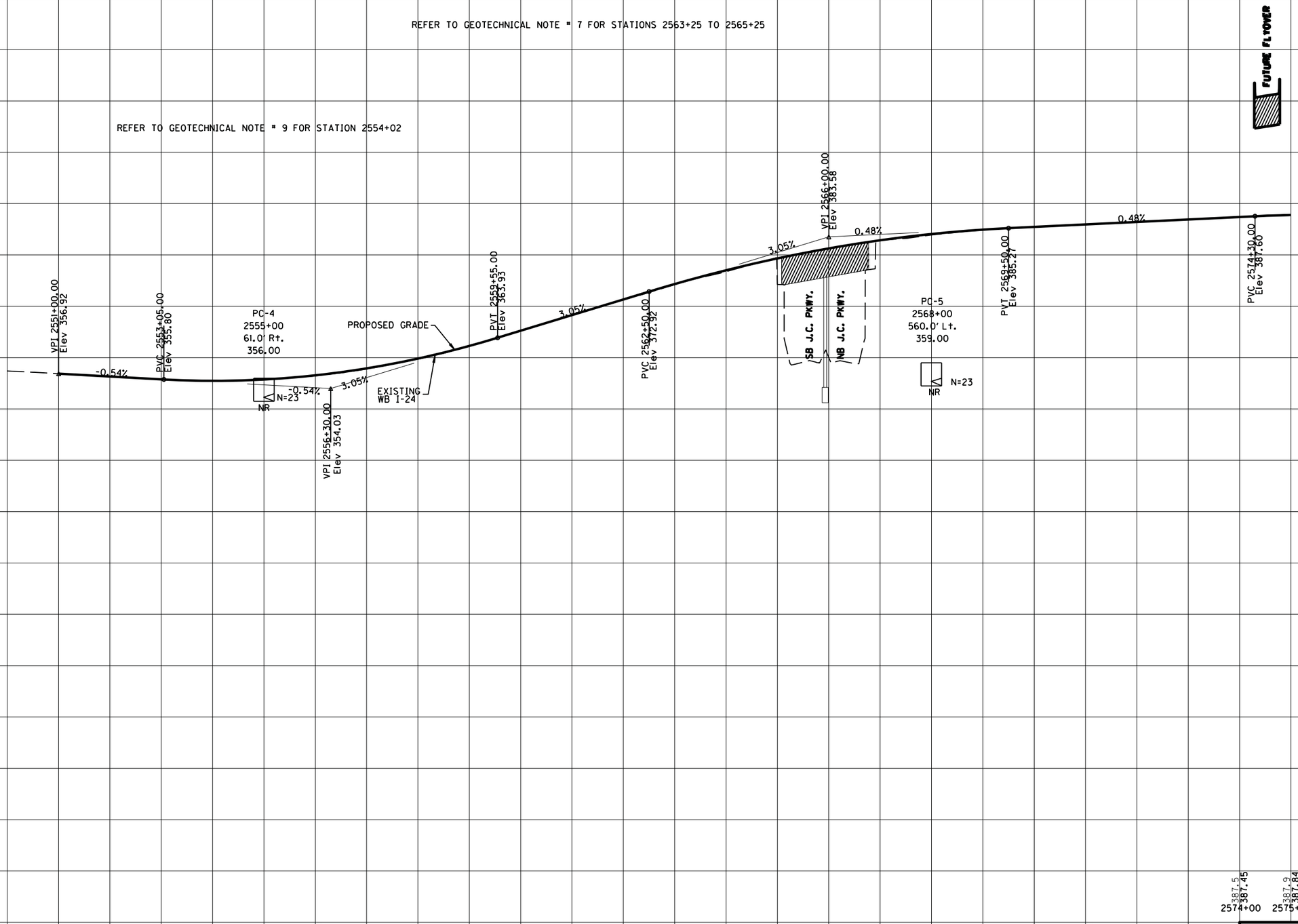
PARTIAL SOIL PROFILE, EB I-24
STA. 3600+00 to 3630+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163K

REFER TO GEOTECHNICAL NOTE # 7 FOR STATIONS 2563+25 TO 2565+25

REFER TO GEOTECHNICAL NOTE # 9 FOR STATION 2554+02



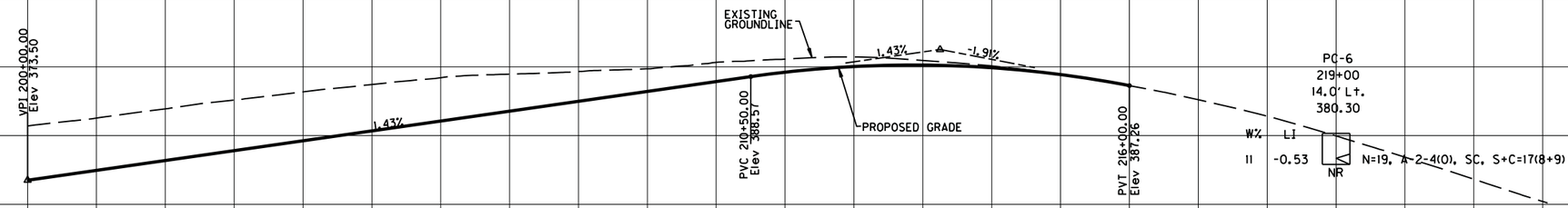
SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

2550+00	2551+00	2552+00	2553+00	2554+00	2555+00	2556+00	2557+00	2558+00	2559+00	2560+00	2561+00	2562+00	2563+00	2564+00	2565+00	2566+00	2567+00	2568+00	2569+00	2570+00	2571+00	2572+00	2573+00	2574+00	2575+00
357.5	356.9	356.3	355.8	355.5	355.8	356.5	357.8	359.8	362.3	365.3	368.3	371.3	374.3	376.8	374.3	360.0	382.9	383.9	384.9	385.5	386.0	386.5	387.0	387.5	387.9
	356.92	356.38	355.83	355.54	355.79	356.60	357.96	359.88	362.34	365.30	368.35	371.40	374.40	377.08	379.39	381.34	382.92	384.13	384.98	385.51	386.00	386.48	386.97	387.45	387.84

PARTIAL SOIL PROFILE, WB I-24
STA. 2550+00 to 2575+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	R163L



400 390 380 370 360 350 340 330 320

381.4 373.50 200+00
382.5 374.94 201+00
383.9 376.37 202+00
385.2 377.81 203+00
386.4 379.24 204+00
387.4 380.68 205+00
388.4 382.11 206+00
388.9 383.55 207+00
389.3 384.98 208+00
389.7 386.42 209+00
390.6 387.85 210+00
391.1 389.21 211+00
391.4 390.04 212+00
390.9 390.25 213+00
390.1 389.87 214+00
388.9 388.87 215+00
387.3 387.26 216+00
385.2 217+00
382.8 218+00
379.9 219+00
376.9 220+00
373.7 221+00
370.4 222+00

SCALE: 1" = 10' HORIZONTAL
1" = 100' VERTICAL

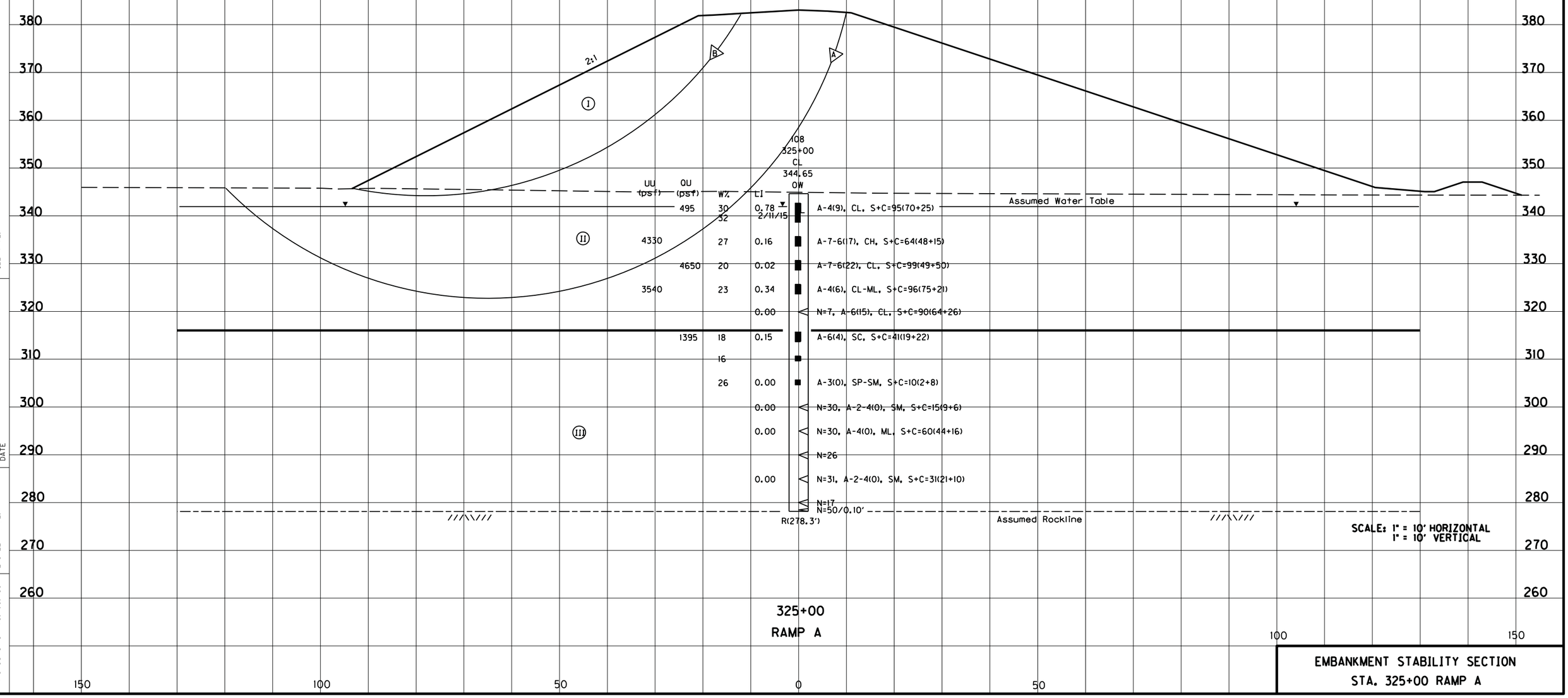
SOIL PROFILE, RAMP G
STA. 200+00 to 222+00

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	1-800.00	R163M

ASSUMED SOIL STRENGTH PARAMETERS			
SOIL	I	II	III
SHORT TERM	γ = 125 pcf c = 1500 psf ϕ = 0°	γ = 125 pcf c = 1400 psf ϕ = 0°	γ = 125 pcf c = 0 psf ϕ = 32°
LONG TERM	γ = 125 pcf $\bar{c}$ = 230 psf $\bar{\phi}$ = 25°	γ = 125 pcf $\bar{c}$ = 200 psf $\bar{\phi}$ = 25°	γ = 125 pcf $\bar{c}$ = 0 psf $\bar{\phi}$ = 32°

FACTORS OF SAFETY		
SHORT TERM	A	2.0
LONG TERM	B	1.6



325+00
RAMP A

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

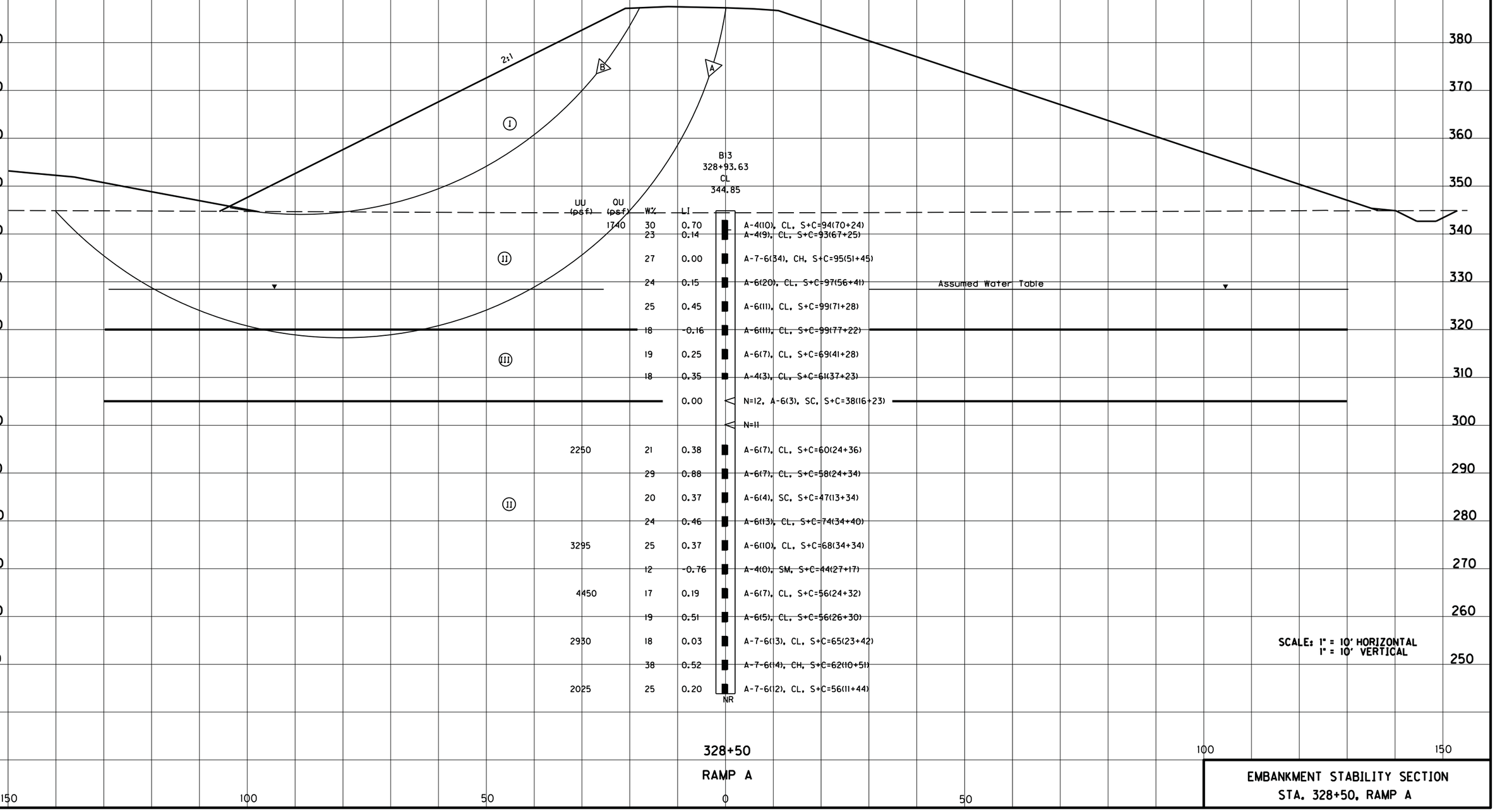
EMBANKMENT STABILITY SECTION
STA. 325+00 RAMP A

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163N

ASSUMED SOIL STRENGTH PARAMETERS			
SOIL	I	II	III
SHORT TERM	γ = 125 pcf c = 1500 psf ϕ = 0°	γ = 120 pcf c = 1200 psf ϕ = 0°	γ = 120 pcf c = 500 psf ϕ = 0°
LONG TERM	γ = 125 pcf $\bar{c}$ = 230 psf $\bar{\phi}$ = 28°	γ = 120 pcf $\bar{c}$ = 200 psf $\bar{\phi}$ = 28°	γ = 120 pcf $\bar{c}$ = 100 psf $\bar{\phi}$ = 30°

FACTORS OF SAFETY		
SHORT TERM	A	1.4
LONG TERM	B	1.7



328+50

RAMP A

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

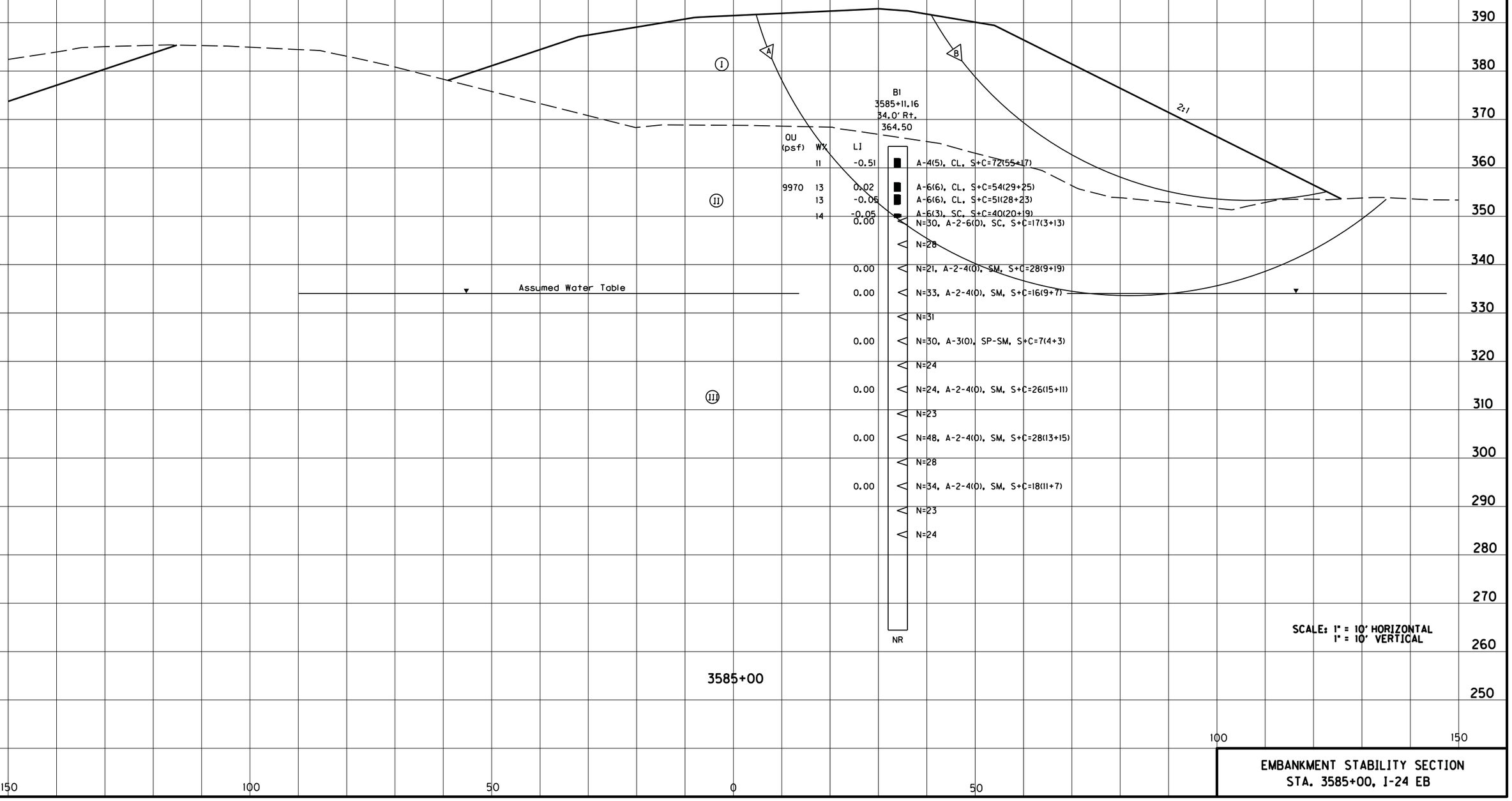
EMBANKMENT STABILITY SECTION
STA. 328+50, RAMP A

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R1630

FACTORS OF SAFETY		
SHORT TERM	A	2.0
LONG TERM	B	1.7

ASSUMED SOIL STRENGTH PARAMETERS			
SOIL	I	II	III
SHORT TERM	γ = 125 pcf c = 1500 psf ϕ = 0°	γ = 125 pcf c = 1500 psf ϕ = 0°	γ = 125 pcf c = 0 psf ϕ = 31°
LONG TERM	γ = 125 pcf $\bar{c}$ = 200 psf $\bar{\phi}$ = 28°	γ = 125 pcf $\bar{c}$ = 250 psf $\bar{\phi}$ = 28°	γ = 125 pcf $\bar{c}$ = 0 psf $\bar{\phi}$ = 31°



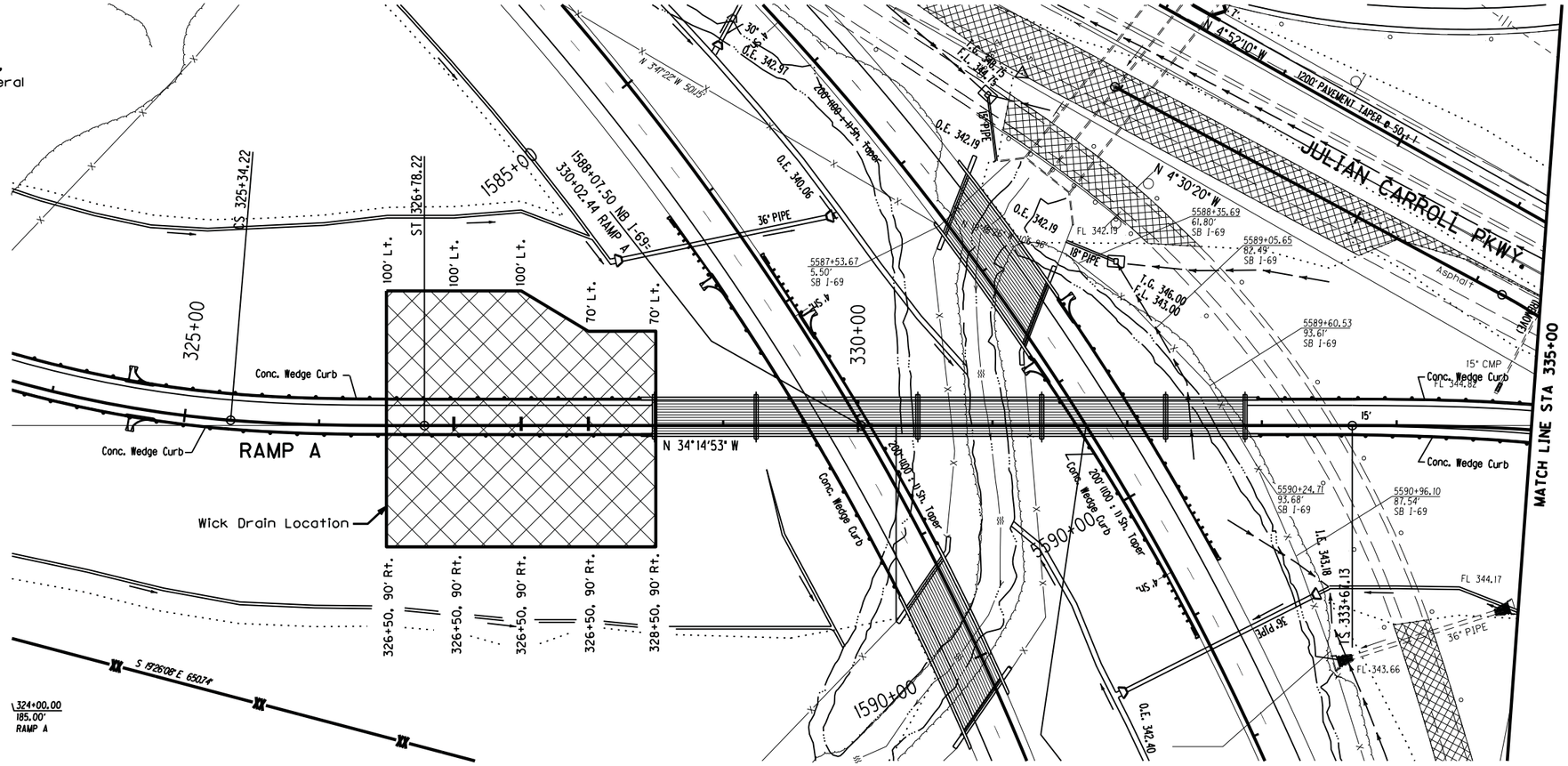
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

EMBANKMENT STABILITY SECTION
STA. 3585+00, I-24 EB

FILE NAME:
USER:
DATE
E-SHEET NAME:
MicroStation v8.11.9.459

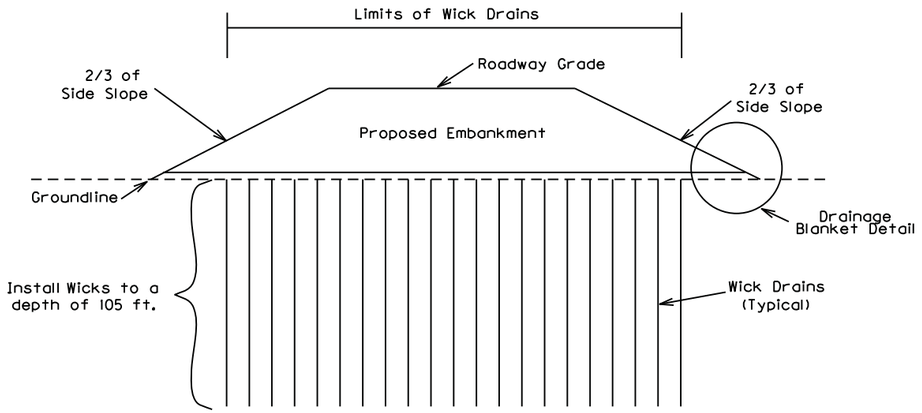
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	I-800.00	R163P

Symbol equals limits of Wick Drain Construction, spacing is 5 ft. equilateral



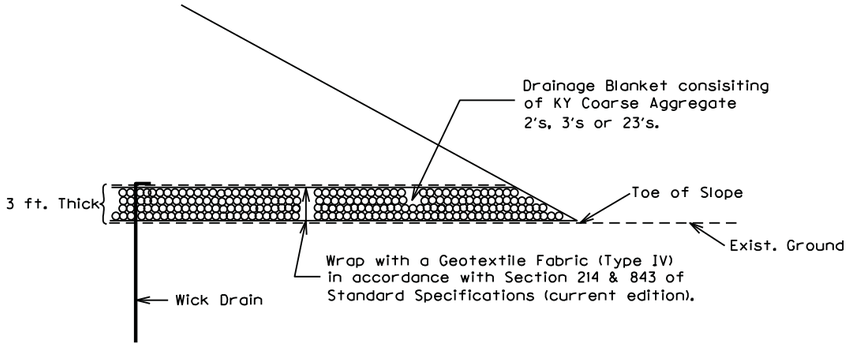
TYPICAL SECTION - WICK DRAINS

Not To Scale



DRAINAGE BLANKET DETAIL

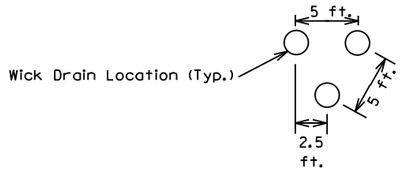
Not To Scale



PLAN VIEW - WICK DRAIN LOCATIONS

DETAIL - TRIANGULAR SPACING

NOT TO SCALE



WICK DRAIN DETAIL
RAMP - A

MicroStation v8.11.9.459 | E-SHEET NAME: | USER: DATE | FILE NAME:

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\01 PAN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T1

ESTIMATE OF QUANTITIES

ITEM	CODE NUMBER	UNIT	MARSHALL COUNTY					TOTALS
			QUANTITY					
ARROW PANEL	0	EACH	0					0
SBM ALUMINUM PANEL SIGNS	6405	SQFT	0					0
SBM ALUM SHEET SIGNS .080 IN	6406	SQFT	0					0
SBM ALUM SHEET SIGNS .125 IN	6407	SQFT	0					0
STEEL POST TYPE I ①②⑤	6410	LF	0					0
FLEXIBLE DELINEATOR POST - WHITE	6417	EACH	0					0
FLEXIBLE DELINEATOR POST - YELLOW	6418	EACH	0					0
GMSS GALV STEEL TYPE A	6400	LB	0					0
GMSS GALV STEEL TYPE C ⑧	6441	LB	0					0
REMOVE SIGN SUPPORT BEAM ⑥	6451	EACH	0					0
CLASS A CONCRETE FOR SIGNS	6490	CUYD	0					0
STEEL REINFORCEMENT FOR SIGNS	6491	LB	0					0
ROADWAY CROSS SECTION ⑦	20419ND	EACH	0					0
REMOVE SIGN ⑨	21373ND	EACH	0					0
GMSS TYPE D	21596ND	EACH	0					0
BARCODE SIGN INVENTORY ⑩	24631EC	EACH	0					0

ITEM	CODE NUMBER	UNIT						TOTALS
			QUANTITY					

NOTES :

(1) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

(2) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.

(3) ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN POSTS, SIGN SUPPORTS, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

(4) THE REMOVAL OF ALL TYPE I OR II POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL PAYMENT BEING ALLOWED.

(5) TYPE II POSTS MAY BE USED IN PLACE OF TYPE I POSTS FOR 0.080 GA. SHEET SIGNS IF THE POST MEETS MANUFACTURER SPECIFICATIONS FOR 90 MPH WINDLOADS.

(6) WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW THE EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO THE EXISTING GROUND LINE.

(7) THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT THE PANEL SIGN LOCATION. A CROSS SECTION SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. BEAM LENGTHS SHOWN IN THE PLANS ARE FOR INFORMATION ONLY.

(8) PAYMENT FOR GROUND MOUNTED SIGN SUPPORTS TYPE C SHALL BE BASED ON THE NOMINAL WEIGHT OF THE BEAMS. ALL ITEMS NECESSARY FOR THE CONSTRUCTION OF THE BREAK-AWAY CONNECTIONS INCLUDING GALVANIZING AND HARDWARE SHALL BE CONSIDERED TO THIS ITEM.

(9) FOR PANEL SIGNS.

(10) FOR NEW SHEET SIGNS. SEE PROPOSAL AND SPECIAL NOTE ON T2.

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF

MARSHALL

PROJECT NUMBERS

SIGNING QUANTITY SHEET

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\TOZSIGNSGENERAL NOTES.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T2

SIGNING SPECIFICATIONS AND GENERAL NOTES

APPLICABLE PUBLICATIONS

KYTC 2012 DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (HEREIN REFERRED TO AS THE 'KYTC SPEC BOOK')
KYTC 2012 STANDARD DRAWINGS
FHWA STANDARD HIGHWAY SIGNS, CURRENT EDITION
FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION
AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 5TH EDITION

SCOPE OF WORK

TO FURNISH, FABRICATE AND ERECT IN PLACE ALL MATERIALS NECESSARY TO FORM COMPLETED SIGNS AS INDICATED AT LOCATIONS DESCRIBED ELSEWHERE IN THESE PLANS.

RETROFLECTIVE MATERIALS

SEE SECTION 830 OF THE KYTC SPEC BOOK. PERMANENT SHEETING SIGNS SHALL CONFORM TO ASTM D 4956, TYPE III SHEETING.

IN THE EVENT THAT GLASS BEAD ENCAPSULATED TYPE III SHEETING IS UTILIZED IT SHALL CONSIST OF:

RETROREFLECTIVE SHEETING HAVING AN INTEGRAL OR AIR CAVITY BETWEEN THE FRONT SURFACE AND THE OPTICAL ELEMENTS, MOUNTED ON AND FULLY COVERING ALUMINUM BASE COPY STOCK NOT OTHERWISE EMBOSSED OR CRIMPED BUT HAVING SUFFICIENT THICKNESS AND RIGIDITY TO PREVENT WARPING WHEN MOUNTED OR FASTENED TO THE SIGN PANEL.

ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

SIGN POSTS

SEE SECTION 832 OF THE KYTC SPEC BOOK.

BEAMS SHALL BE A-36 STEEL GALVANIZED IN ACCORDANCE WITH ASTM A-123, CURRENT ED.

SIGN SUBSTRATES

SEE SECTION 833 OF THE KYTC SPEC BOOK.

SIGN HARDWARE

ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM B-776 AND ASTM A-307. THE COST OF ALL BRACKETS AND OTHER HARDWARE REQUIRED FOR PANEL AND SHEET SIGN ERECTION SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.

SIGN MESSAGES

SIGN MESSAGES SHOWN ARE ULTIMATE MESSAGES. DUE TO PARTIAL CONSTRUCTION, IT MAY BE NECESSARY TO MAKE CHANGES IN SOME OF THESE MESSAGES. THESE CHANGES WILL BE DETERMINED BY THE ENGINEER. SHOULD A SIGN CHANGE BE DETERMINED BEFORE THE SIGN IS INSTALLED, THE ULTIMATE MESSAGE COPY SHALL BE STORED ON THE PROJECT BY THE CONTRACTOR. SHOULD A SIGN CHANGE BE DETERMINED AFTER INSTALLATION, STATE FORCES WILL REMOVE THE ULTIMATE MESSAGE. COPY WILL BE STORED BY THE STATE UNTIL APPLICABLE, AT WHICH TIME IT WILL BE INSTALLED BY STATE FORCES. ANY COPY NEEDED FOR A TEMPORARY MESSAGE WILL BE SUPPLIED AND INSTALLED BY THE STATE.

SHOP DRAWINGS

SUBMIT 5 COMPLETE SETS OF DETAILED SHOP DRAWINGS TO THE PROJECT MANAGER FOR WRITTEN APPROVAL BEFORE FABRICATING SIGNS. BEFORE INSTALLATION, OBTAIN THE PROJECT MANAGER'S WRITTEN APPROVAL OF DRAWINGS, DESCRIPTIONS, MANUFACTURER'S CUTS, ETC. COVERING ALL MATERIALS TO BE USED. SUBMIT WITH THE SHOP DRAWINGS THE GAUGE OF EACH SHEETING SIGN TO BE USED AND MILL TEST REPORTS FOR THE STEEL BEAMS.

SIGN POSITIONING AND SPACING

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL POSTS SHALL BE OF SUFFICIENT LENGTH TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED EMBEDMENT DEPTH. IF SOLID ROCK IS ENCOUNTERED THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST OF DRILLING THE ROCK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.

WHEN MULTIPLE SIGNS ARE INSTALLED ADJACENT TO EACH OTHER THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATLEY 6 INCHES OF SPACING BETWEEN SIGNS. ALL SIGNS ARE TO BE LOCATED AT THE APPROXIMATE STATIONS OR LOCATIONS SHOWN IN THE PLANS. IF ANY SIGN IS LOCATED NEAR A LIGHT POST, UTILITY POLE OR OTHER OBSTRUCTION, IT SHALL BE INSTALLED IN ADVANCE OF THE OBSTRUCTION SO THAT THE MOTORISTS VIEW IS UNOBSTRUCTED. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SIGNS REQUIRING RELOCATION OF MORE 25 FEET FROM PLAN LOCATIONS SHALL BE APPROVED BY THE PROJECT MANAGER.

SIGN INSTALLATION

THE CONTRACTOR SHALL INSTALL ALL SIGNS WITHIN THE EXISTING RIGHT OF WAY. THE ENGINEER WILL DETERMINE THE EXISTING SHEET SIGNS THAT SHALL BE REMOVED BY THE CONTRACTOR ON ALL EXISTING ROADS AFFECTED BY THE SIGNING PROJECT. SIGNS NOT SHOWN ON THE PLANS, SHALL NOT BE DISTURBED, UNLESS AS DIRECTED BY THE ENGINEER.

ON ROADS WHERE TRAFFIC IS BEING MAINTAINED, NEW SIGNS SHALL BE INSTALLED PRIOR TO REMOVAL OF THE EXISTING SIGN. IF ANY EXISTING SIGNS ARE TO BE OUT OF SERVICE FOR MORE THAN ONE WORK SHIFT, TEMPORARY SIGNING OF THE PROPER SHAPE, AND WITH COPY OF SIMILAR CONFIGURATION TO THE EXISTING SIGNING SHALL BE INSTALLED AT THE SAME APPROXIMATE STATION AS THE OUT-OF-SERVICE SIGN. THE COST OF ANY TEMPORARY SIGNING USED SHALL BE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.

SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

RIGHT IS RESERVED TO INSPECT FABRICATION AND ERECTION WORK, AN INSPECTION (DAY AND NIGHT) WILL BE MADE AFTER COMPLETION OF INSTALLATION TO DETERMINE IF THE INTENT OF THE SPECIFICATIONS IS SATISIFIED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OR TRIMMING OF ANY TREES THAT OBSCURE THE SIGNS, AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEEDED AS DIRECTED BY THE ENGINEER, AND AT NO ADDITIONAL COST TO THE DEPARTMENT.

IF A MANUFACTURER'S WARRANTY IS FURNISHED TO THE CONTRACTOR ON ANY MATERIALS COVERED UNDER THESE SPECIFICATIONS, THE SAME WARRANTY SHALL BE FURNISHED TO THE STATE BY THE CONTRACTOR.

EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS SHALL BE INCIDENTAL TO THE COST OF CLASS A CONCRETE FOR SIGNS.

FOR TYPE C & D BREAKAWAY SIGN SUPPORTS SEE THE FOLLOWING KYTC 2012 STANDARD DRAWINGS:
RGX-060 BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM
RGX-061 FOOTING DETAILS FOR TYPE C BEAM
RGX-065-01 TYPE D BREAKAWAY SIGN SUPPORT

THE MOBILIZATION AND DEMOBILIZATION REQUIRED FOR SIGN INSTALLATION SHALL BE INCLUDED IN THE ROADWAY BID ITEMS FOR MOBILIZATION AND DEMOBILIZATION.

FLEXIBLE DELINEATORS

SEE SECTION 838 OF THE KYTC SPEC BOOK.

TRAFFIC MANAGEMENT

FOR REQUIRED LANE AND/OR SHOULDER CLOSURES SEE APPLICABLE KYTC STANDARD DRAWINGS. STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY AT (502) 564-3670.

ALL OTHER TEMPORARY TRAFFIC CONTROL SIGNING AND DEVICES REQUIRED FOR TRAFFIC MANAGMENT SHALL BE CONSIDERED INCIDENTAL TO ROADWAY ITEM 2650, MAINTAIN AND CONTROL TRAFFIC.

SPECIAL NOTE FOR BARCODE LABEL FOR PERMANENT SIGNS

1.0 DESCRIPTION
INSTALL BARCODE LABEL ON SIGN AS SPECIFIED IN THE CONTRACT. SECTION REFERENCES HEREIN ARE TO DEPARTMENTS 2012 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2.0 MATERIALS
THE DEPARTMENT WILL PROVIDE THE CONTRACTOR WITH A 2 INCH X 1 INCH FOIL BARCODE LABEL FOR EACH PERMANENT SIGN. A UNIQUE NUMBER WILL BE ASSIGNED TO EACH BARCODE LABEL. THE CONTRACTOR SHALL CONTACT THE OPERATIONS AND PAVEMENT MANAGEMENT BRANCH IN THE DIVISION OF MAINTENANCE AT (502) 564-4556 TO OBTAIN THE BARCODE LABELS.

3.0 CONSTRUCTION
APPLY FOIL BARCODE LABEL IN LOWER RIGHT QUADRANT OF THE SIGN BACK. SIGNS WHERE THE BOTTOM EDGE IS NOT PARALLEL TO THE GROUND, THE LOWEST CORNER OF THE SIGN SHALL SERVE AS THE LOCATION TO PLACE THE BARCODE LABEL. THE BARCODE LABEL SHALL BE PLACED NO LESS THAN ONE-INCH AND NO MORE THAN THREE INCHES FROM ANY EDGE OF THE SIGN. THE BARCODE MUST BE PLACED SO THAT THE SIGN POST DOES NOT COVER THE BARCODE LABEL.

BARCODES SHALL BE APPLIED IN AN INDOOR SETTING WITH A MINIMUM AIR TEMPERATURE OF 50°F OR HIGHER. PRIOR TO APPLICATION OF THE BARCODE LABEL, THE BACK OF THE SIGN MUST BE CLEAN AND FREE OF DUST, OIL, ETC. IF THE SIGN IS NOT CLEAN, AN ALCOHOL SWAB SHALL BE USED TO CLEAN THE AREA. THE AREA MUST BE ALLOWED TO DRY PRIOR TO PLACEMENT OF THE BARCODE LABEL.

DATA FOR EACH SIGN SHALL INCLUDE THE BARCODE NUMBER, MUTCD REFERENCE NUMBER, SHEETING MANUFACTURER, SHEETING TYPE, MANUFACTURE DATE, COLOR OF PRIMARY REFLECTIVE SURFACE, INSTALLATION DATE, LATITUDE AND LONGITUDE USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) OR THE STATE PLANE COORDINATES USING AN X AND Y ORDINATE OF THE INSTALLED LOCATION.

DATA SHOULD BE PROVIDED ELECTRONICALLY ON THE TC 71-229 SIGN DETAIL INFORMATION AND TC 71-230 SIGN ASSEMBLY INFORMATION FORMS. THE CONTRACTOR MAY CHOOSE TO PRESENT THE DATA IN A DIFFERENT FORMAT PROVIDED THAT THE INFORMATION SUBMITTED TO THE DEPARTMENT IS EQUIVALENT TO THE INFORMATION REQUIRED ON THE DEPARTMENT TC FORMS. THE FORMS MUST BE SUBMITTED IN THE ELECTRONIC FORMAT REGARDLESS OF WHICH TYPE OF FORM IS USED. THE DEPARTMENT WILL NOT ACCEPT PDF OR HANDWRITTEN FORMS. THESE COMPLETED FORMS MUST BE SUBMITTED TO THE DEPARTMENT PRIOR TO FINAL INSPECTION OF THE SIGNS. THE DEPARTMENT WILL NOT ISSUE FORMAL ACCEPTANCE FOR THE PROJECT UNTIL THE TC 71-229 AND TC 71-230 ELECTRONIC FORMS ARE COMPLETED FOR ALL SIGNS AND SIGN ASSEMBLIES ON THE PROJECT.

4.0 MEASUREMENT
THE DEPARTMENT WILL MEASURE ALL WORK REQUIRED FOR THE INSTALLATION OF THE BARCODE LABEL AND ALL WORK ASSOCIATED WITH COMPLETION AND SUBMISSION OF THE SIGN INVENTORY DATA (TC 71-229 AND TC 71-230). THE INSTALLATION OF THE PERMANENT SIGN WILL BE MEASURED IN ACCORDANCE TO SECTION 715 OF THE KYTC SPEC BOOK.

5.0 PAYMENT
THE DEPARTMENT WILL MAKE PAYMENT FOR THE COMPLETED AND ACCEPTED QUANTITIES UNER THE FOLLOWING:

CODE	PAY ITEM	PAY UNIT
24631EC	BARCODE SIGN INVENTORY	EACH

THE DEPARTMENT WILL NOT MAKE PAYMENT FOR THE ITEM UNTIL ALL BARCODES ARE INSTALLED AND SIGN INVENTORY IS COMPLETE ON EVERY PERMANENT SIGN INSTALLED ON THE PROJECT. THE DEPARTMENT WILL MAKE PAYMENT FOR INSTALLATION OF THE PERMANENT SIGN IN ACCORDANCE WITH SECTION 715 OF THE KYTC SPEC BOOK. THE DEPARTMENT WILL CONSIDER PAYMENT AS FULL COMPENSATION FOR ALL WORK REQUIRED.

SIGNING SPECIFICATION AND GENERAL NOTES SHEET

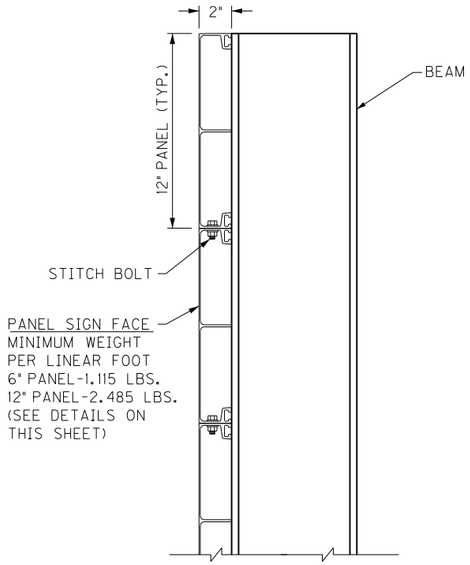
Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane
DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\T04DET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T4

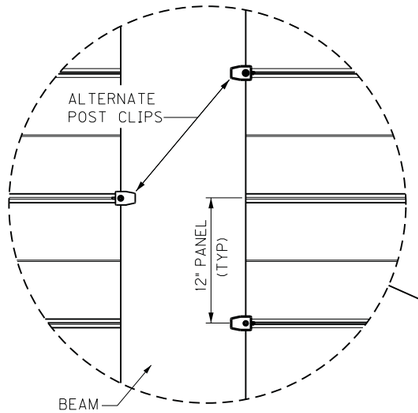
TYPICAL SERVICE SIGNS

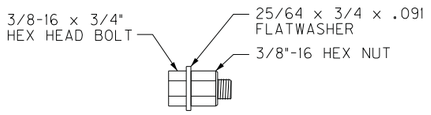
SPECIFIC SERVICE (LOGO SIGNS)

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T5



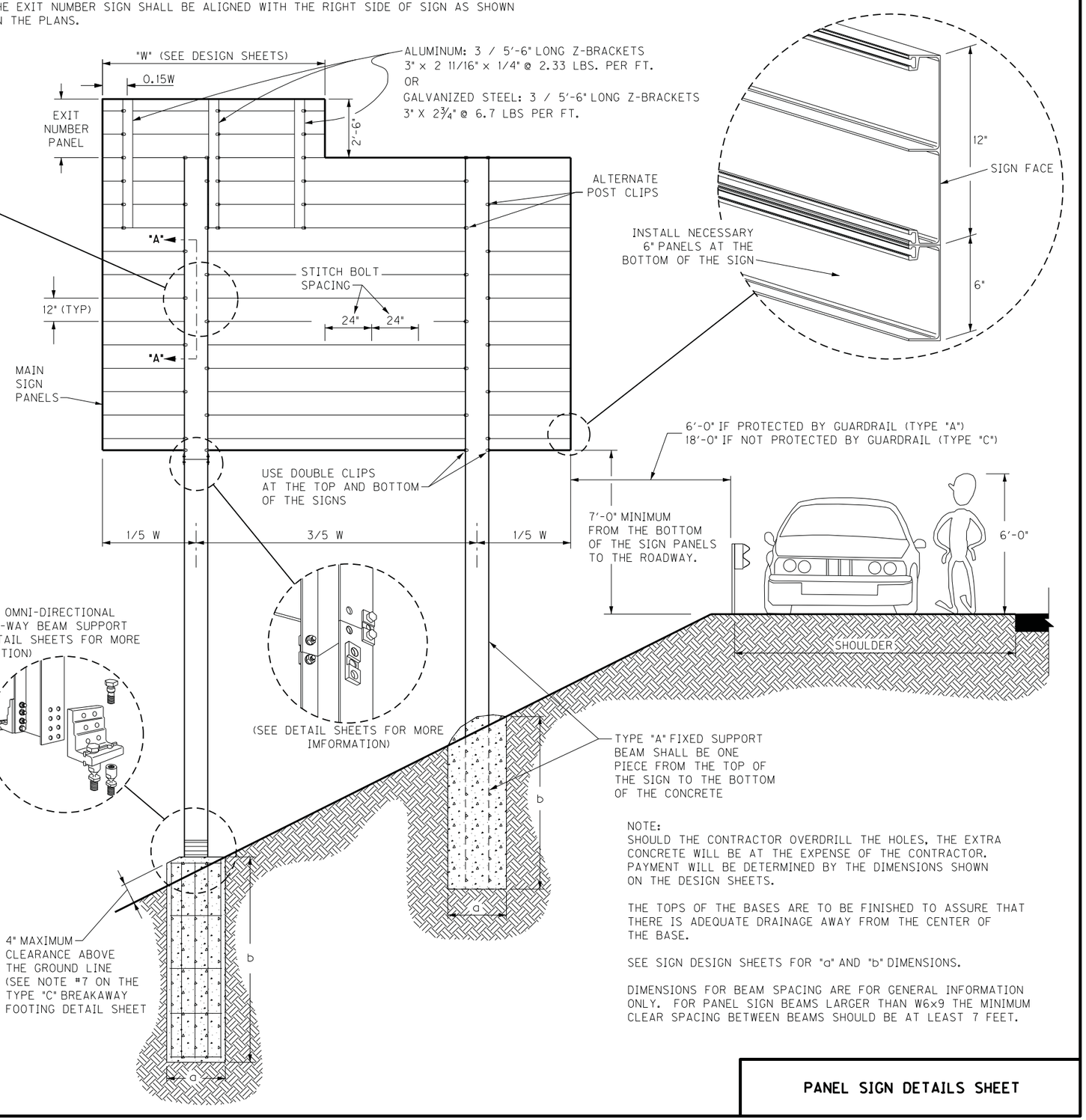
SECTION "A-A"





STITCH BOLT DETAIL

NOTE:
THE COST FOR ATTACHING EXIT NUMBER SIGN SHALL BE INCLUDED IN THE BID ITEM FOR SIGN BASE MATERIAL FOR PANEL SIGNS AND SHALL INCLUDE ALL Z-BRACKETS AND HARDWARE.
THE EXIT NUMBER SIGN SHALL BE ALIGNED WITH THE RIGHT SIDE OF SIGN AS SHOWN ON THE PLANS.



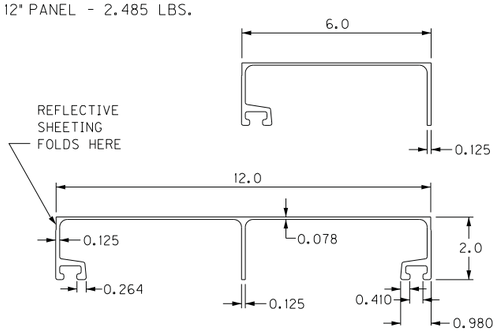
NOTE:
SHOULD THE CONTRACTOR OVERDRILL THE HOLES, THE EXTRA CONCRETE WILL BE AT THE EXPENSE OF THE CONTRACTOR. PAYMENT WILL BE DETERMINED BY THE DIMENSIONS SHOWN ON THE DESIGN SHEETS.

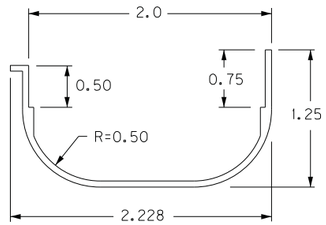
THE TOPS OF THE BASES ARE TO BE FINISHED TO ASSURE THAT THERE IS ADEQUATE DRAINAGE AWAY FROM THE CENTER OF THE BASE.

SEE SIGN DESIGN SHEETS FOR "a" AND "b" DIMENSIONS.

DIMENSIONS FOR BEAM SPACING ARE FOR GENERAL INFORMATION ONLY. FOR PANEL SIGN BEAMS LARGER THAN W6x9 THE MINIMUM CLEAR SPACING BETWEEN BEAMS SHOULD BE AT LEAST 7 FEET.

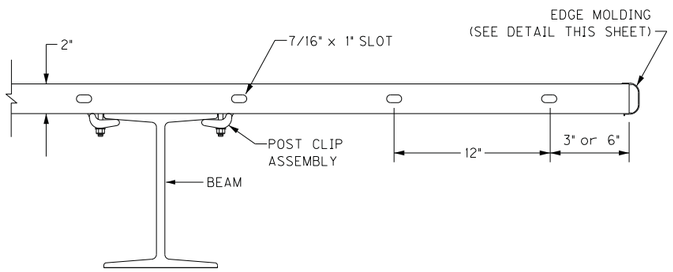
MINIMUM WEIGHT PER LINEAR FOOT
6" PANEL - 1.115 LBS.
12" PANEL - 2.485 LBS.



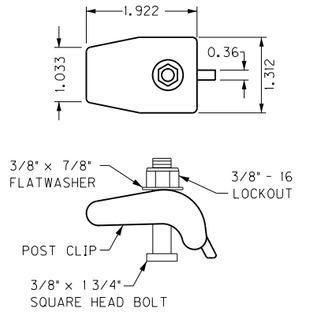


EDGE MOLDING DETAIL

ALUMINUM PANEL DETAILS



TOP VIEW OF PANEL SIGN

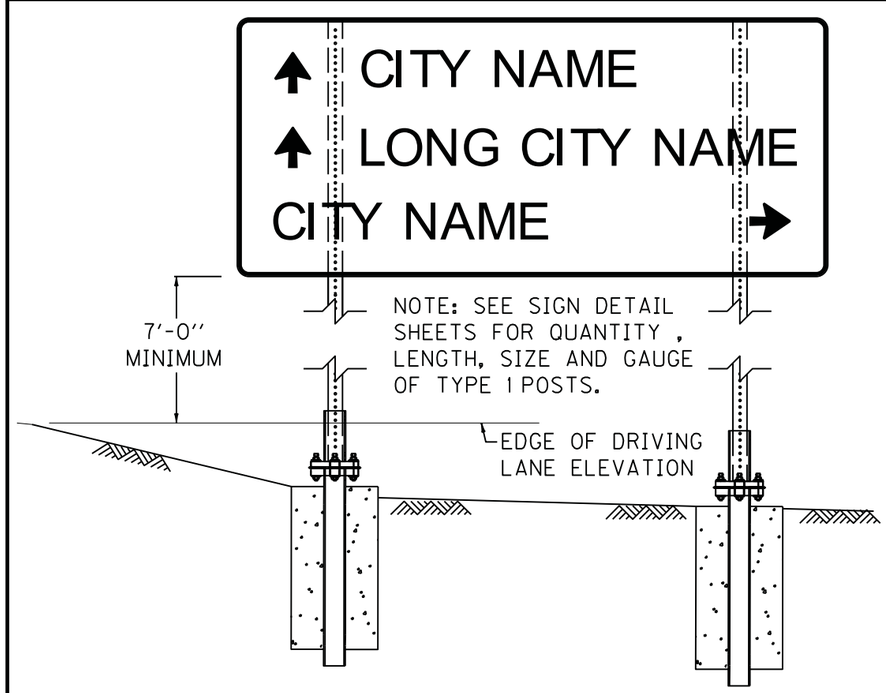


POST CLIP ASSEMBLY

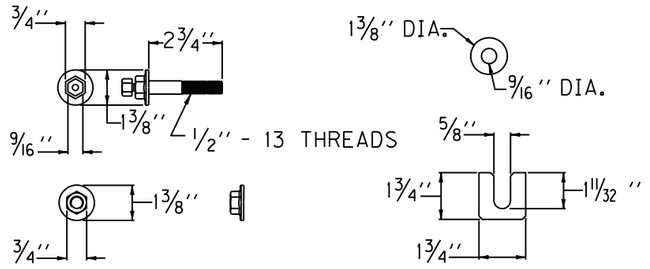
Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\050ET

PANEL SIGN DETAILS SHEET

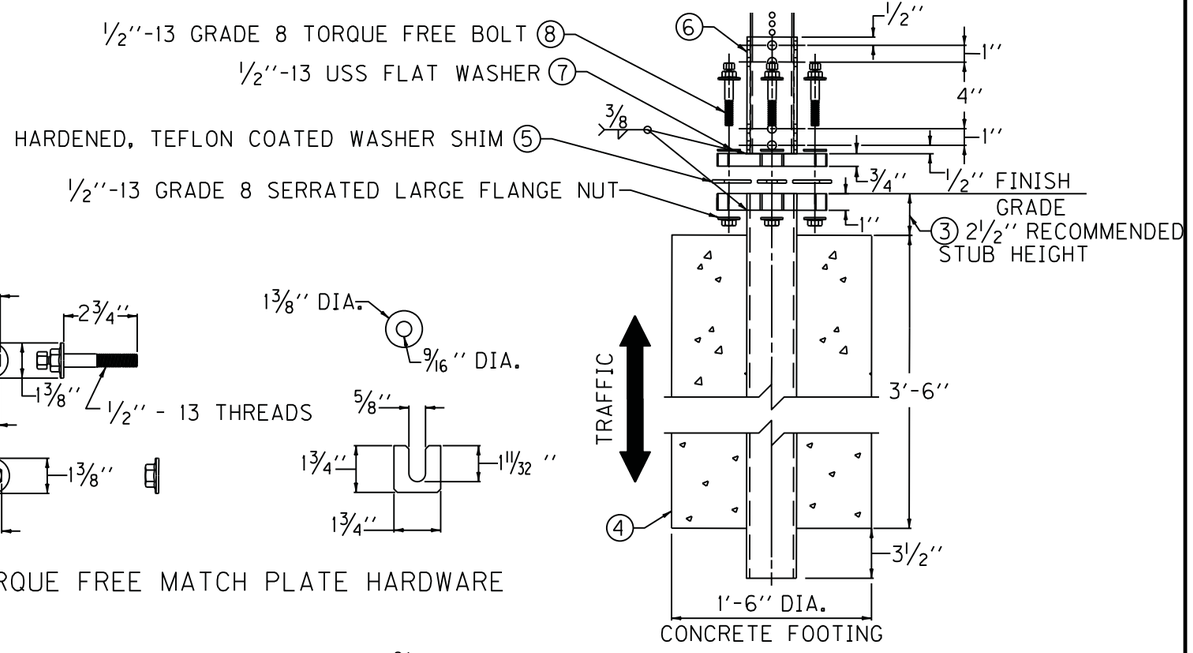
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T6



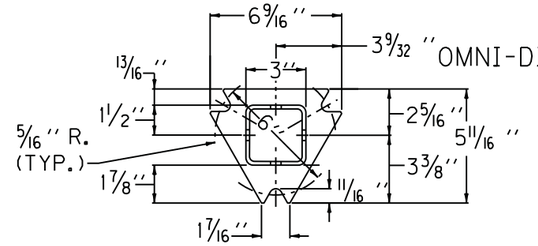
TYPICAL SHEETING SIGN BREAKAWAY SUPPORT INSTALLATION

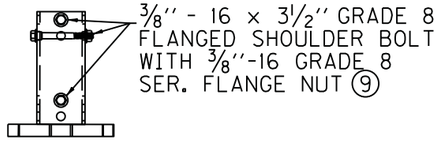


TORQUE FREE MATCH PLATE HARDWARE



TYPE "D" SUPPORT OMNI-DIRECTIONAL BREAK-A-WAY FOR TYPE 1 POSTS

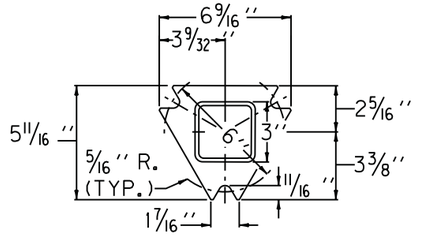




MATERIALS: TUBE RECEIVER - 3" x 3" x 7 GA. ASTM A500
ASTM A500 GRADE B TUBE PLATE - ASTM A572 GRADE 50

TOP POST RECEIVER / FOR 2 1/2" SQUARE POST

2 1/4" x 12 GA. MAYBE INSERTED INTO
2 1/2" X 12 GA. FOR ADDITIONAL WINDLOAD



BOTTOM BASE CONCRETE STUB (2)

MATERIALS : TUBE - 3"X 3" X 7 GA. ASTM A500
GRADE B TUBE PLATE - ASTM A572 GRADE 50

NOTES

1. AUGER AN 18" DIA. HOLE BY 42" DEEP AT THE PREDETERMINED LOCATION.
2. TAP THE BOTTOM OF THE 48" BASE STUB INTO THE SOIL IN THE BOTTOM OF THE HOLE WITH THE BASE PLUMB AND SQUARED UP WITH THE ROADWAY , MAKING SURE THE POINT OF THE PLATE IS FACING ONCOMING TRAFFIC. (THIS SERVES TO STABILIZE THE BASE WHILE POURING THE CONCRETE AS WELL AS TO ALLOW FOR WATER DRAINAGE BELOW THE CONCRETE FOOTING.)
3. DEPTH OF IMBEDMENT TO LEAVE 2 1/2" FROM THE GRADE TO THE TOP OF THE BASE.
4. ALLOW CONCRETE TO CURE AT LEAST 5 DAYS BEFORE ERECTING SIGN.
5. PLACE 1 EACH TEFLON COATED WASHER SHIM ON EACH OF THE 3 NOTCHED POINTS, WITH THE OPEN SIDE FACING TOWARDS THE CENTER OF THE TRIANGLE.
6. PLACE TOP POST RECIEVER SO THAT THE SIGN POST IS IN CORRECT POSITION FOR SIGN VISIBILITY, ON TO THE BASE AND WASHER SHIMS.
7. PLACE 1 EACH 1/2" WASHER ONTO TORQUE FREE BOLT AND PLACE IN EACH NOTCHED POINT OF THE TRIANGLE. PUSH EACH TEFLON COATED WASHER SHIM AGAINST THE SHANK OF EACH BOLT AND FINGER TIGHTEN 1/2" FLANGED LOCK NUT.
8. FULLY TIGHTEN , THEN LOOSEN , ALL THREE TORQUE FREE BOLTS USING THE LARGER 3/4" HEX HEAD. COMPLETE BY TIGHTENING EACH BOLT USING THE SMALLER 9/16" HEX HEAD UNTIL IT TWIST OFF.

   NOTE : SECONDARY HEAD WILL TWIST OFF AT DESIRED TORQUE LEVEL TO MEET FEDERAL COMPLIANCE.
9. INSERT SIGN SUPPORT INTO THE TUBULAR PORTION OF THE TOP POST RECIEVER AND SECURE WITH 3 EACH 3/8"- 16 x 3 1/2" GRADE 8 FLANGED SHOULDER BOLTS AND FLANGED NUTS.

   NOTE: WHERE HIGHER WINDLOAD IS DESIRED, INSERT THE NEXT SIZE SMALLER SQUARE POST INSIDE BOTTOM OF MAIN UPRIGHT POST.

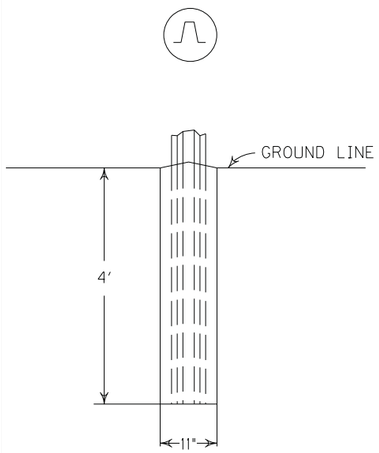
   NOTE: ON MULTI-LEG INSTALLATIONS, BE SURE THAT ALL ANCHORS ARE SQUARED AND LINED UP WITH EACH OTHER.
10. TYPE D BREAKAWAY SIGN SUPPORT SYSTEMS FOR THE TYPE I POSTS SHALL BE SELECTED FROM THE KENTUCKY DEPARTMENT OF HIGHWAYS APPROVED MATERIALS LIST. OR AN APPROVED EQUAL. ACCEPTABLE ALTERNATES SHALL BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AND FHWA , PRIOR TO INSTALLATION.

STANDARD DRAWING RGX-065-01
DETAIL SHEET

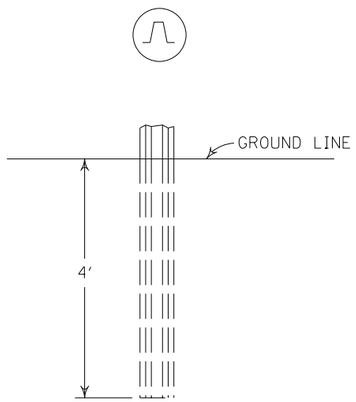
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T9

CHANNEL POST DETAILS

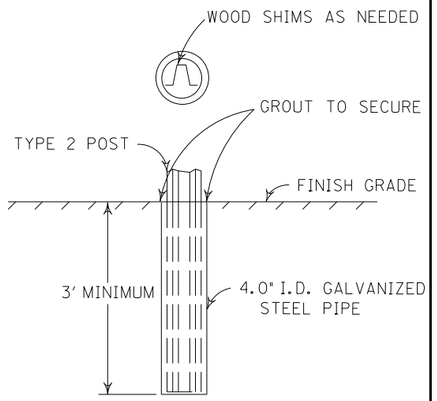
TYPE "B" CONCRETE BASE



TYPE "C" DRIVEN BASE



TYPE "D" PIPE BASE



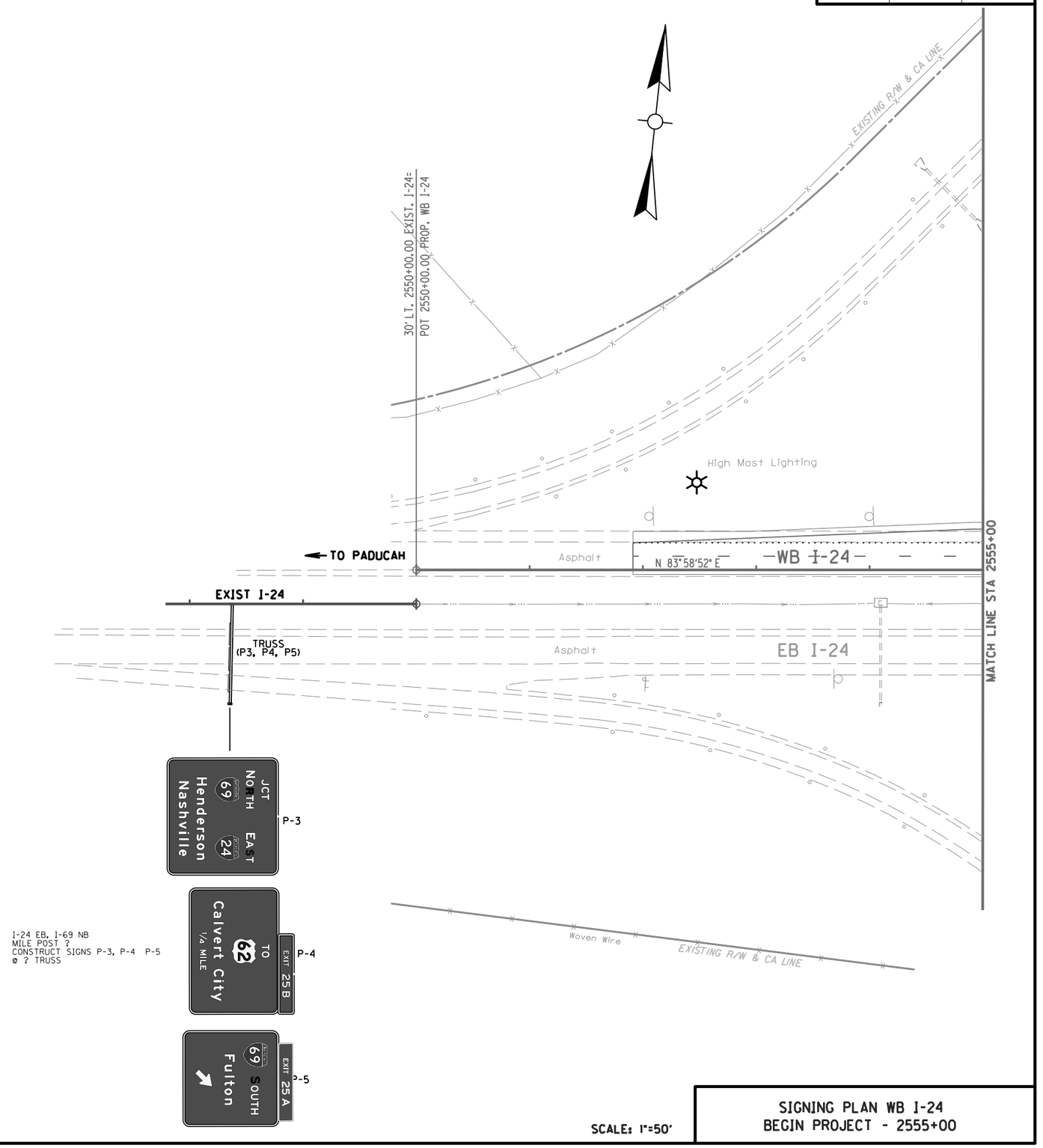
THE COST FOR 4.0" I.D. GALVANIZED STEEL PIPE FOR TYPE "D" BASE AND THE WORK FOR THE INSTALLATION SHALL BE INCLUDED IN THE BID ITEM FOR STEEL POST TYPE 2.

NOT TO SCALE

MISCELLANEOUS SIGNING DETAIL SHEET

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\T09DET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T10



I-24 EB, I-69 NB
MILE POST 7
CONSTRUCT SIGNS P-3, P-4 P-5
@ 7 TRUSS

SCALE: 1"=50'

SIGNING PLAN WB I-24
BEGIN PROJECT - 2555+00

MicroStation v8.11.7.443
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USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T10.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T11

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\TH1.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

High Mast Lighting

18' LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.71 SB PROP. JC PKWY.

BRIDGE MOUNTED
(P-27& P-28)

STA. 4604+74.38 JC PKWY
CONSTRUCT SIGNS P-27 & P-28
BRIDGE MOUNTED TO EXIST. BRIDGE

P-27

P-28

Grass

2560+00

4605+00

2565+00

100+00

24'

TO CALVERT CITY

300' TAPER

4602+30.03 SB JC PKWY.=
2565+74.49 WB I-24

Paved Ditch

10'X4' RCBC

Cantilever Sign

12' 12' 12'

P-27 P-28

1300' ACCEL. LANE

WB I-24 Asphalt

N 83°58'52" E

I-24

15" PIPE

60'

EB I-24 Asphalt

N 83°58'52" E

MATCH LINE STA 2555+00

MATCH LINE STA 2570+00

P-21 P-22

P-6

Cantilever Sign

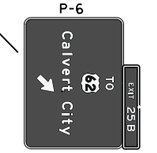
4600+00

PI 4600+00.05
Delta= 1°08'45" LT

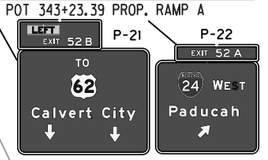
60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

TS 3568+88.61



STA. 4601+26.98 I-24 EB
CONSTRUCT SIGNS P-6
CANTILEVER ? TRUSS



4601+70.03 SB JC PKWY.=
3565+74.52 EB I-24

STA. 4601+26.98 JC PKWY
CONSTRUCT SIGNS P-21 & P-22
BRIDGE MOUNTED TO EXIST. BRIDGE

Grass

High Mast Lighting

Grass

Grass

EXIST. R/W & C/L LINE

JULIAN CARROLL PKWY.

N 6°00'55" W

12'

7'

7'

12'

12'

12'

12'

12'

SCALE: 1"= 50'

SIGNING PLAN WB I-24
2555+00 - 2570+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T12

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T12.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

MATCH LINE STA 2570+00 WB

MATCH LINE STA 3570+00 EB

MATCH LINE STA 2585+00

MATCH LINE STA 3585+00

GRASS

PI 105+24.27

105+00

Asphalt

RAMP G

N 51°03'48" W

PT 211+97.76

110+00

PI 111+41.62

EXIST.R/W & CA LINE

Woven Wire

2575+00

210+00

2580+00

115+00

OH Electric

PC 205+87.41

205+00

PT 112+73.02

Paved Ditch

Electric Service

OH Sign

WB I-24 Diversion

PI 3574+00.94

PT 108+55.67

110+09.55

PC

WB I-24

S 87°47'42" W

PI 209+06.41

360'-7

24'

15'

12'

12'

12'

TRUSS
(P-13 & P-14)

N 83°58'52" E

S 89°14'16" E

Asphalt

EB I-24

3575+00

High Mast Lighting

TS 3582+89.61

SC 3570+05.61

SCARIFY PAVEMENT

Paved Ditch

CS 3577+95.21

ST 3579+12.21

3580+00

EXIST.R/W & CA LINE

N 68°45'41" E

SB I-69

P-14

EXIT 52B

TO 62 Calvert City

STA. 2582+95 I-24 WB
CONSTRUCT SIGNS P-13 & P14
(EXIST. TRUSS)

P-13

I-24 EXIT 52 A

24 WEST Paducah

P-7

EXIST.R/W & CA LINE

62 Kentucky Dam 1 MILE

EXIT 27

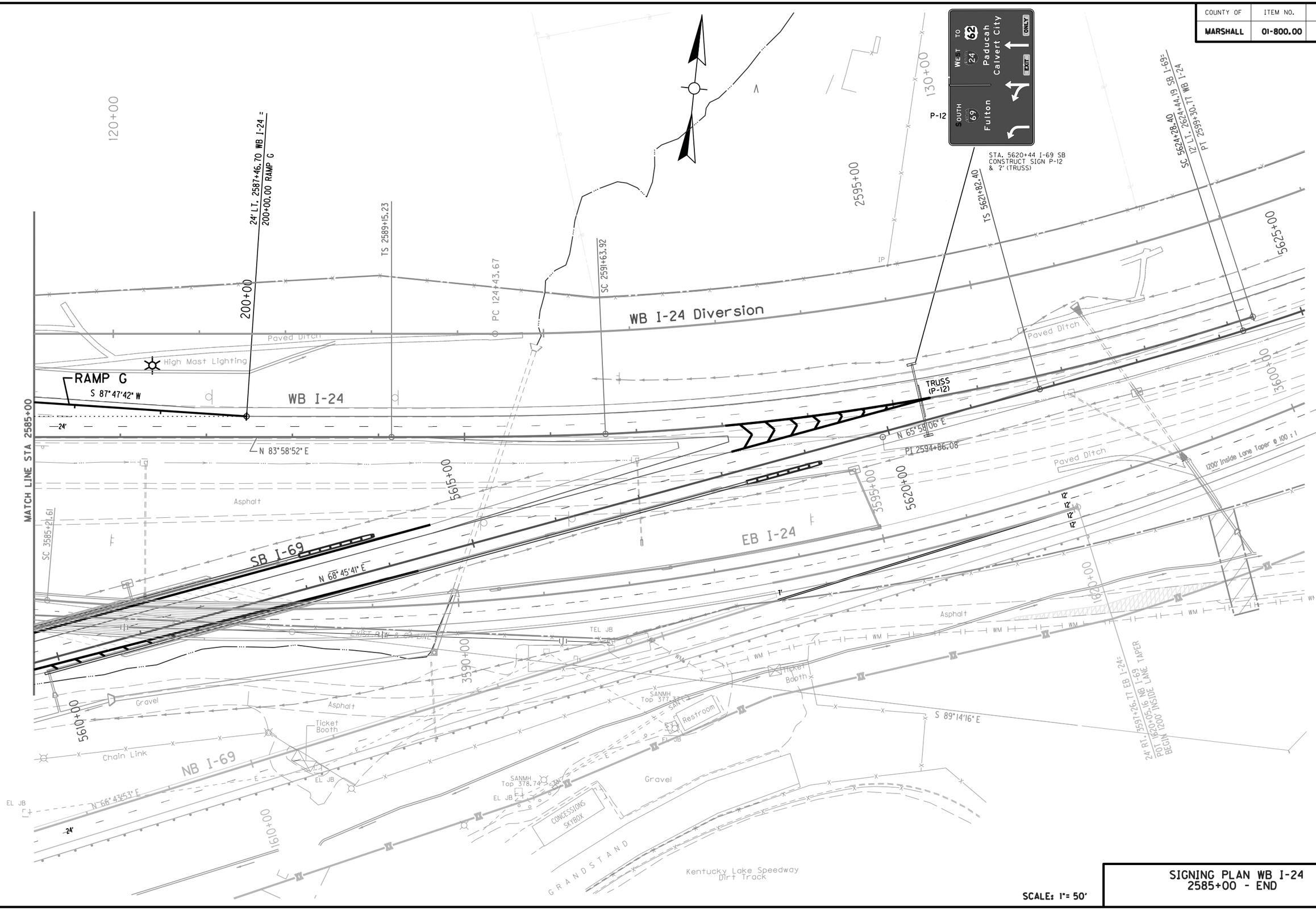
P-7

STA. 3581+36 I-24 EB
CONSTRUCT SIGN P-7
2- I-BEAMS & GROUND
SUPPORTS.

SCALE: 1"= 50'

SIGNING PLAN
EB I-24 3570+00 - 3585+00
WB I-24 2570+00 - 2585+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T13



SCALE: 1"= 50'

SIGNING PLAN WB I-24
2585+00 - END

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T13.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T14

P-12

EXITS 25 A-B
WEST TO 62 (24)
Paducah
Calvert City
EXIT ONLY
SOUTH 69 (Future)
Fulton

STA. 5620+44 I-69 SB
CONSTRUCT SIGN P-12
& 2' (TRUSS)

24' LT. 2587+46.70 WB I-24 =
200+00.00 RAMP G

RAMP G
S 87°47'42" W

WB I-24 Diversion
WB I-24
EB I-24
SB I-69
NB I-69

EXIST.R/W & CA LINE

TS 2589+15.23
PC 124+43.67
SC 2591+63.92
TS 5621+82.40
SC 5624+78.40

200+00
2595+00
3585+00
3590+00
3595+00
5600+00
5610+00
5615+00
5620+00
1610+00
1620+00

MATCH LINE STA 3585+00
MATCH LINE STA 3600+00

High Mast Lighting

Paved Ditch
60" CMP
15" CMP
12" CMP

FL 354.39
TG 362.99
FL 359.99
TRUSS (P-12)
TG 365.00
FL 362.10
FL 359.23
FL 358.99
TG 379.51
FL 377.06
TG 370.60
FL 368.05
FL 367.03
FL 361.20
FL 351.43
FL 355.
FL 356.49

N 83°58'52" E
N 65°58'06" E
PI 2594+86.08
N 68°45'41" E
N 66°43'53" E

12'
24'
14' SH.
7'

TEL JB
EL JB
SANMH
Top 377.37
Top 378.74
Ticket Booth
Restroom
CONCESSIONS SKYBOX
GRANDSTAND
Kentucky Lake Speedway
Dirt Track
Gravel
Asphalt
Chain Link
C.Link Fence
Chainlink Fence
Gravel Parking
GRASS
WEIGH SCALE
WM

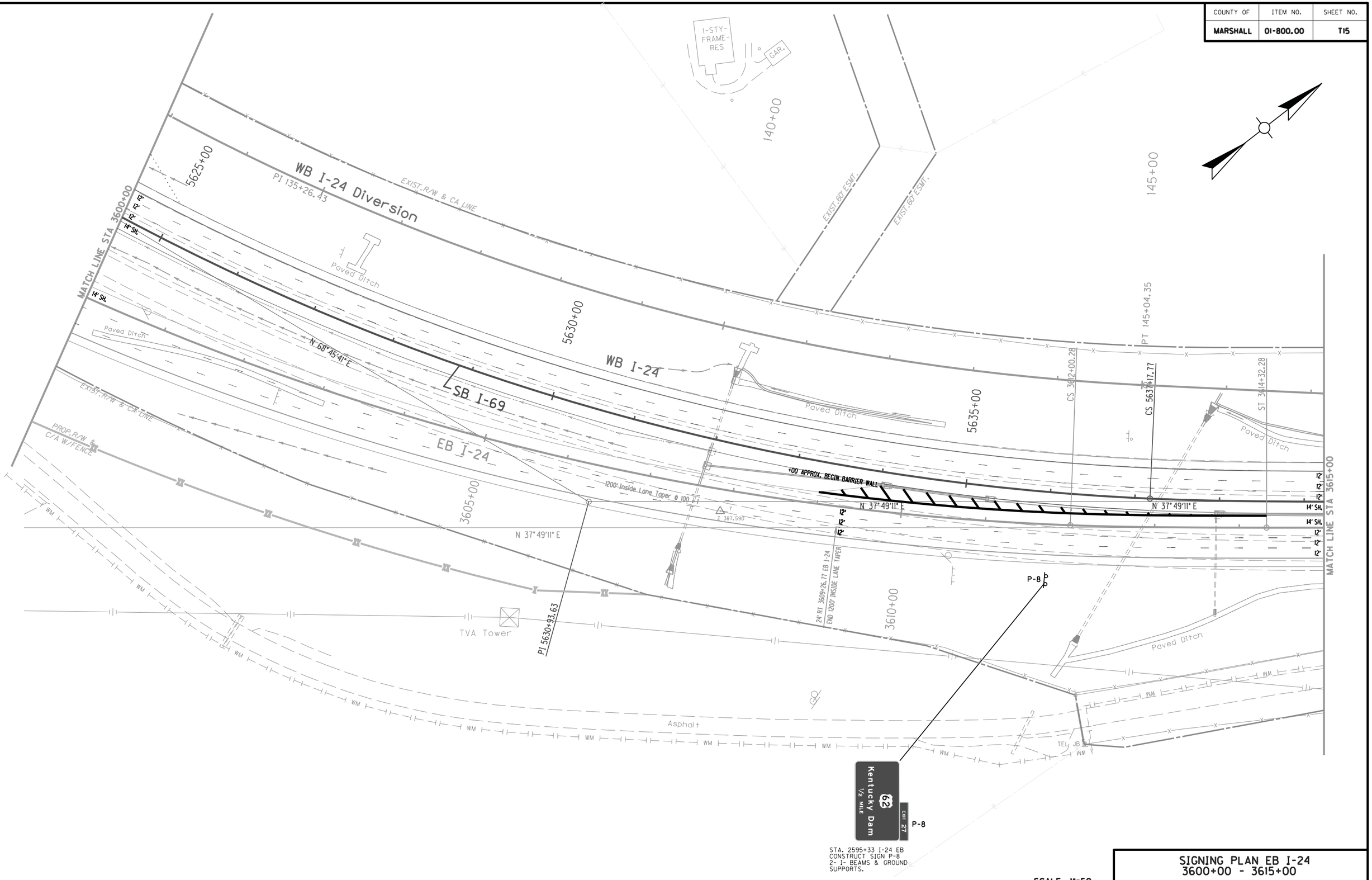
24' RT. 3597+26.17 EB I-24=
POT 1620+05.16 NB I-69
BEGIN 1200' INSIDE LANE TAPER

SCALE: 1"=50

SIGNING PLAN EB I-24
3585+00 - 3600+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T14.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T15



STA. 2595+33 I-24 EB
CONSTRUCT SIGN P-8
2- I- BEAMS & GROUND SUPPORTS.

SCALE: 1"=50

SIGNING PLAN EB I-24
3600+00 - 3615+00

MicroStation v8.11.7.443
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T15.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T16

P-14

EXITS 25 A+B
WEST TO 62 24
Paducah
Calvert City
½ MILE
EXIT ONLY
SOUTH 69
Fulton

CALVERT CITY CORPORATE LIMITS

PI 149+23.86

150+00

Wooded

2620+00

18' LT. 2621+59.91 EXIST. I-24=
POT 5646+49.27 SB I-69

STA. 3623+00 62' RT I-24 EB
CONSTRUCT SIGN P14
& ?' (TRUSS)

155+00

PI 155+11.12

Asphalt

2625+00

158+57

Wooded

Asphalt

EXIST.R/W & CA LINE

PT 156+31.66

POE 158+57.03

WB I-24 Diversion

ST 5639+67.77

5640+00

FC 148+38.34

PT 150+09.19

5645+00

PC 153+90.05

Paved Ditch

15" CMP

TRUSS
(P-14)

WB I-24

Asphalt

SB I-69

N 37°49'11" E

N 37°49'11" E

N 37°49'11" E

N 38°38'17" E

LANE TRANS. 1213.38' @ 70 : 1

TG 386.38
FL 383.63

MATCH LINE STA 3615+00

EB I-24

12'
12'

Asphalt

Paved Ditch

840' Outside Lane Taper @ 70 : 1

3619+25.93 EB I-24

3620+00

3625+00

3627+65.93

MATCH LINE STA 3630+00

EXIST.CA LINE

Asphalt

TEL JB

Exist. GRail

JP

JP-WC 3283

POST

EXIST.R/W

TVA Tower

TVA Tower

CALVERT CITY CORPORATE LIMITS

12,666' RT. 2618+59.91 EXIST. I-24=
PI STA=3619+25.93 EB I-24
Delta= 0°49'06" RT
BEGIN 70 : 1 INSIDE MEDIAN TRANS.

Wooded

SCALE: 1"=50

SIGNING PLAN EB I-24
3615+00 - 3630+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T16.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T17

GARAGE
1-STY-METAL-BUS
TAG TRUCK CENTER

Gravel

Asphalt

TEL JB

EXIST.R/W & CA LINE

IP

IP WC 2900

2630+00

2635+00

2640+00

Paved Ditch

C.P. 51964

C.P. 51963

$500 FINE FOR LITTERING

PROHIBITED

WB I-24

N 37°49'11" E

N 38°38'17" E

30'

12'

12'

12'

MATCH LINE STA 3630+00

EB I-24

TO NASHVILLE

Asphalt

Paved Ditch

WM

EXIST.CA LINE

EXIST.R/W

62 Kentucky Dam EXIT 27

(P-9)

P-9

30' RT. 2630+73.29 EXIST. I-24
PI STA=3631+39.43 EB I-24
Delta= 0°49'06" LT
END TO : INSIDE MEDIAN TRANS.

30' RT. 2633+73.29 EXIST. I-24
POT 3634+39.43 EB I-24

STA. ??? I-????
CONSTRUCT SIGN P-9 . ? I- BEAMS
& GROUND SUPPORTS

TVA Tower

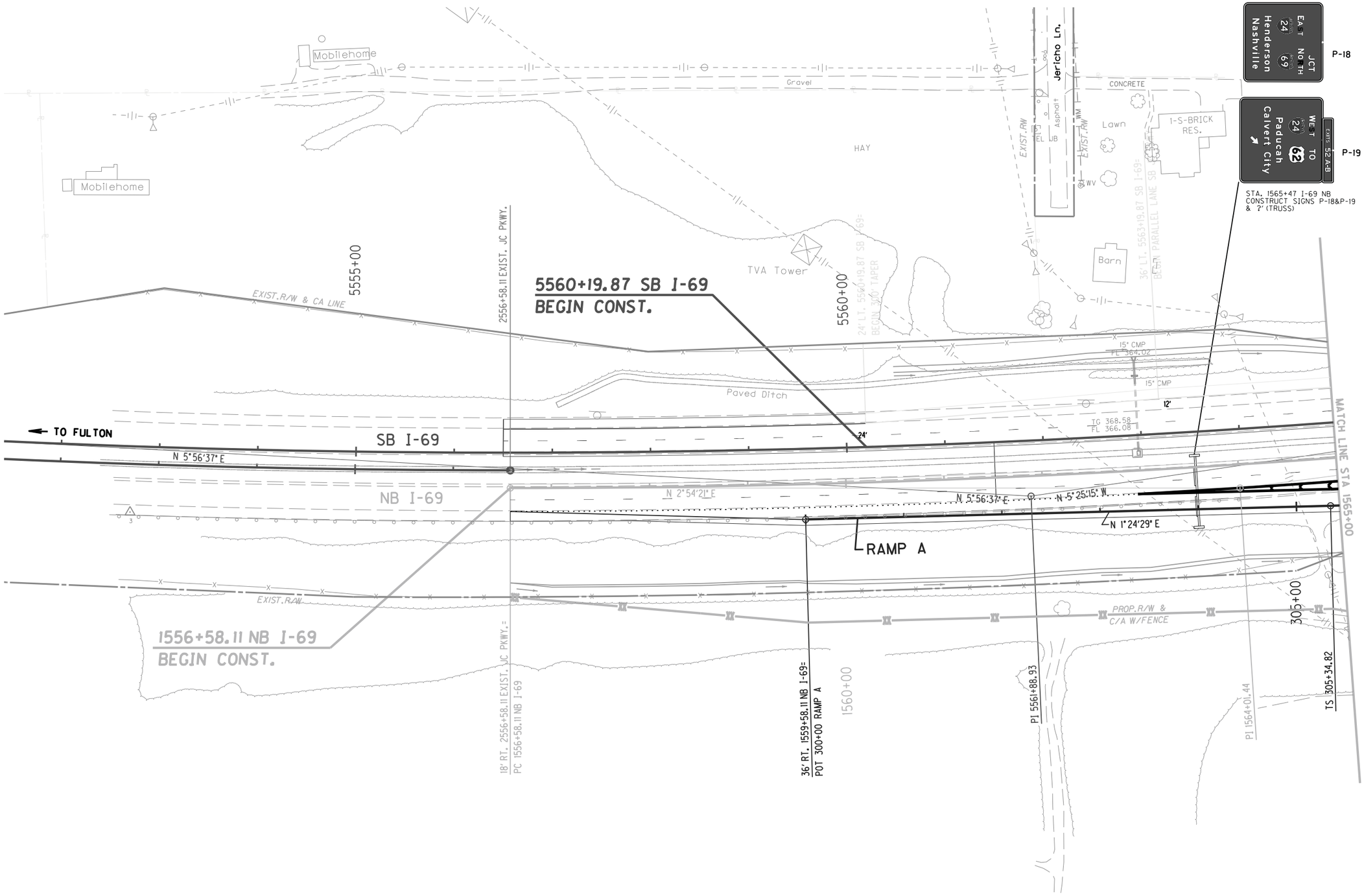
SCALE: 1"=50

SIGNING PLAN EB I-24
3630+00 - END

FOR REVIEW ONLY
NOT FOR CONSTRUCTION
PRELIMINARY PLANS
PRELIMINARY PLANS
NOT FOR CONSTRUCTION

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane | DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T17.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T18



SCALE: 1"=50

SIGNING PLAN NB I-69
BEGIN - 1565+00

MicroStation v8.11.7.443
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T18.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T19

NORTH JCT EAST
69 24
Henderson
Nashville

P-18

WEST TO
24 62
Paducah
Calvert City

EXITS 52A&B

P-19

STA. 1565+47 I-69 NB
CONSTRUCT SIGNS P-18&P-19
& ?' (TRUSS)

Pond
WSE 361.9

Cultivated

5570+00

PT 5573+19.87 (3 LANES)

5575+00

24' LT. 5574+23.72 SB I-69=
POT 4574+27.57 SB JC PKWY.

4575+00

24' LT 4577+21.57 JC PKWY.
END 300' TAPER

TS 5577+59.98

4580+00

EXIST.R/W & CA LINE

Woven Wire

SB J.C. PKWY.

5580+00

12'
12'

1000' PARALLEL LANE

SB I-69

N 5°25'15" W

N 5°25'15" W

MATCH LINE STA 1565+00

N 4°30'20" W

NB I-69

N 4°30'20" W

N 4°30'20" W

Asphalt

MATCH LINE STA 1580+00

TRUSS
(P-18 & P-19)

N 1°24'29" E

1570+00

EXIST.R/W & CA LINE

1575+00

N 3°47'22" W 778.59'

EXIST.R/W & CA LINE

N 29°32'18" E

PT 1571+42.69

TS 1575+82.55

SC 1578+52.55

310+00

SC 306+49.82

PROP.R/W &
C/A W/FENCE

RAMP A

TS 315+71.24

CULTIVATED

SC 317+15.24

N 29°32'18" E

315+00

CS 313+49.81

ST 314+64.81

TVA Tower

SCALE: 1"=50

SIGNING PLAN NB I-69
1565+00 - 1580+00

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T19.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T20

JULIAN CARROLL PKWY.

SB J.C. PKWY.

EXIST.R/W & CA LINE

N 5°25'15" W

N 4°30'20" W

N 66°43'53" E

Asphalt

OH Sign

N 6°02'05" W

N 3°41'22" W 501.5'

MATCH LINE STA 1580+00

5585+00

330+00

5590+00

SB I-69

335+00

S1 335+11.13

S5 333+62.13

5589+37.89 SB I-69=
331+69.48 RAMP A

1588+07.59 NB I-69=
330+02.44 RAMP A

1585+00

1590+00

5595+00

NB I-69

MATCH LINE STA 1595+00

1591+00.00
155.00'
NB I-69

R=1919.00
L 981.89 S 48°20'38" W
LC 971.21

S1 326+18.22

RAMP A

N 34°14'53" W

P 9
LAWANDA HOOVER

P 10
CLOVER LEAF REALTY,LLC

S5 325+34.22

325+00

S 81°32'E 670.2'

S 19°26'08" E 650.74'

PROP.R/W @ CA W/FENCE

P 10
CLOVER LEAF REALTY,LLC

LITTLE JOHN CREEK

1' 12' 1'

24'

24'

24'

15'

SCALE: 1"=50

SIGNING PLAN NB I-69
1580+00 - 1595+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T20.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T21

SCALE: 1"=50

SIGNING PLAN NB I-69
1595+00 - 1610+00

MicroStation v8.11.7.443
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T21.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T22

STA. 5620+44 I-69 SB
CONSTRUCT SIGN P-12
& 'I' (TRUSS)

EXITS 25 A-B

SOUTH 69 Fulton

WEST TO 24 62 Paducah Calvert City

EXIT ONLY

P-12

WB I-24

WB I-24 Diversion

N 83°58'52" E

SC 2591+63.92

2595+00

TS 5621+82.40

SC 5624+28.40

EXIST.R/W & CA LINE

IP

SB I-69

5615+00

5625+00

N 68°45'41" E

70 : 1 STRIPING TAPER

TRUSS (P-12)

N 65°58'06" E

PI 2594+86.08

14" SH.

EB I-24

3595+00

5620+00

3600+00

Paved Ditch

3590+00

Asphalt

NB I-69

MATCH LINE STA 1610+00

Ticket Booth

EL JB

LP

Chain link Fence

SANMH TR 377-37 INV. NA

WM

Restroom

Weight Scales

Grass

PROP.R/W & C/A W/FENCE

SANMH TR 378-74 INV. NA

CONCESSIONS SKYBOX

CONCESSIONS SKYBOX

Gravel

GRANDSTAND

1615+00

C. Link Fence

S 89°14'16" E

Kentucky Lake Speedway
Dirt Track

BLEACHERS

1620+00

24' RT. /3597+26.77 EB I-24=
POT 1620+05.16 NB I-69
BEGIN 1200' INSIDE LANE TAPER

N 37°49'11" E

PROP.R/W & C/A W/FENCE

SCALE: 1"=50

SIGNING PLAN NB I-69
1610+00 - END

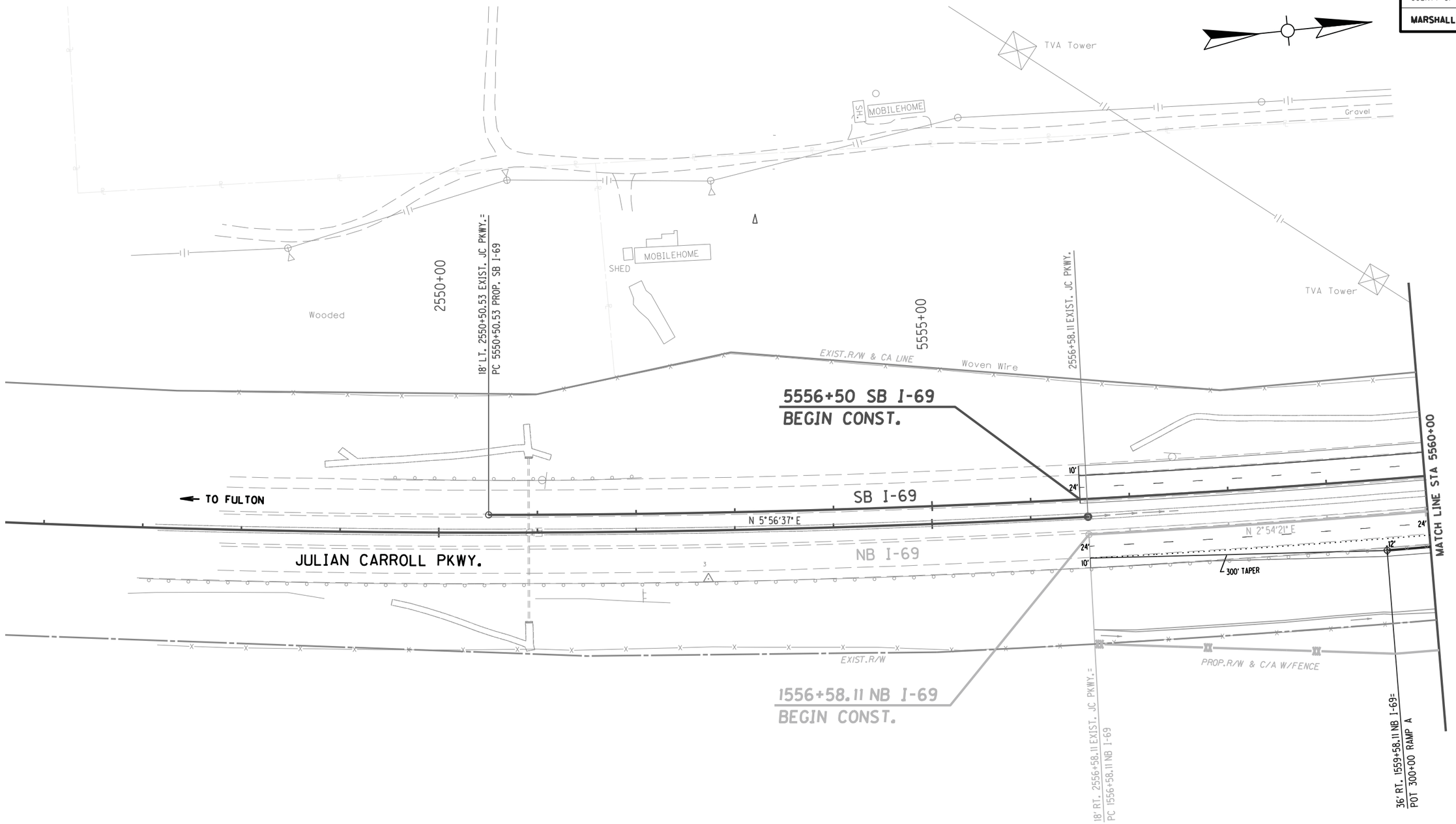
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T22.DGN

USER: mlane
DATE PLOTTED: August 3, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T23



SCALE: 1"=50

SIGNING PLAN SB I-69
BEGIN - 5560+00

Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T23.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T24

5560+19.87 SB I-69
BEGIN CONST.

MATCH LINE STA 5560+00

MATCH LINE STA 5575+00

P-19 — EXIST. 52 A-B — WEST TO 62 24 Paducah Calvert City

P-18 — JCT EAST 24 NORTH 69 Henderson Nashville

STA. 1565+47 I-69 NB
CONSTRUCT SIGNS P-18&P-19
& ?' (TRUSS)

TRUSS
(P-18 & P-19)

SB I-69

NB I-69

RAMP A

EXIST.R/W & CA LINE

PROP.R/W & C/A W/FENCE

1000' PARALLEL LANE

N 510°-22'-22" E 1000.00'

PI 5561+88.93

PI 1564+01.44

TVA Tower

LAWN

I-BRICK/ STONE-RES

I-FRAME VINYL-GAR.

I-S-BRICK RES.

CONCRETE

EXIST.R/W

BF

CELL

JB

IP

HWY

BARN

POND
WSE 361.9

CULTIVATED

24' LT. 5563+19.87 SB I-69 BEGIN 350' TAPER

36' LT. 5563+19.87 SB I-69 BEGIN PARALLEL LANE SB I-69

SCALE: 1"=50

SIGNING PLAN SB I-69
5560+00 - 5575+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T24.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T25

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T25.DGN

MATCH LINE STA 5575+00

TS 5577+59.98

SC 5580+29.98

5580+00

EXIST.R/W & CA LINE

Woven Wire

Cultivated

24' LT 4577+27.57 SB JC PKWY. END 300' TAPER

4580+00

4585+00

24' LT 4587+27.57 SB JC PKWY. END 1000' LANE

EXIST.PERM.DRAINAGE ESMT.

EXIST. 4577+39.14 RT

BEG. 7055' RT

4590+00

High Mast Lighting

7'

12'

N 6°02'05" W

1200' PAVEMENT TAPER @ 50:1

N 5°25'15" W

SB PKWY.

DBL 20'X8' BOX

Asphalt

JULIAN CARROLL PKWY.

OH Sign

N 4°30'20" W

Asphalt

5585+00

SB I-69

NB I-69

330+00

1588+01.58 NB I-69

330+02.24 RAMP A

MATCH LINE STA 5590+00

TS 1575+82.55

SC 1578+52.55

1580+00

1585+00

SC 317+45.24

TS 326+78.22

CS 323+34.22

RAMP A

N 34°14'53" W

325+00

320+00

15'

24 W E T

Paducah

1/2 MILE

P-20

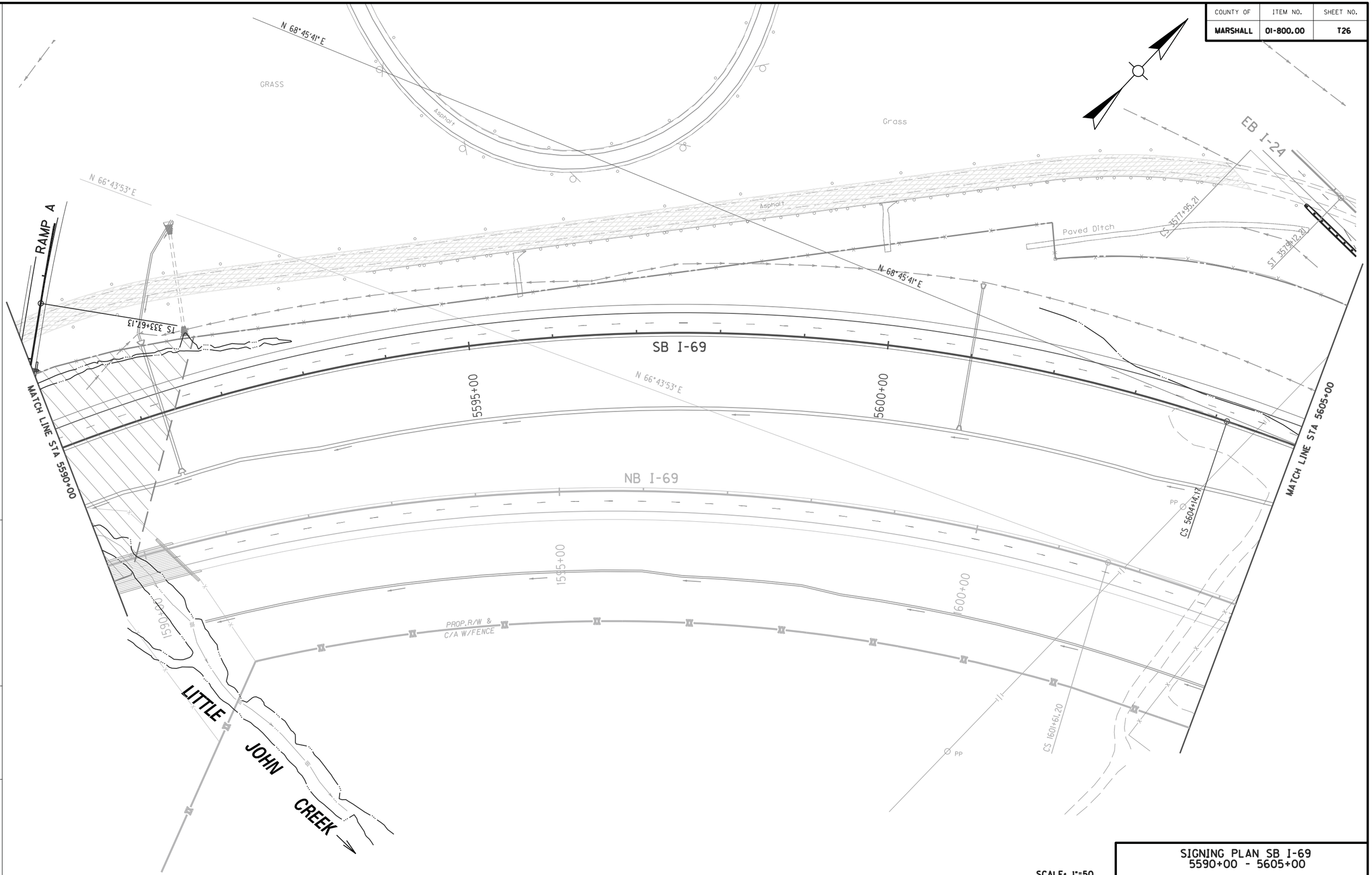
P-20

STA. 318+73 RAMP A
CONSTRUCT SIGN P-20
2- I-BEAMS & GROUND
SUPPORTS.

SCALE: 1"=50

SIGNING PLAN SB I-69
5575+00 - 5590+00

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T26



SCALE: 1"=50

SIGNING PLAN SB I-69
5590+00 - 5605+00

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T26.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T27

P-13
LEFT
EXIT 52A
24 WEST
Paducah

P-14
EXIT 52B
TO
62
Calvert City

STA. 2582+95 I-24 WB
CONSTRUCT SIGNS P-13 & P14
(EXIST. TRUSS)

TRUSS
(P-13 & P-14)

WB I-24 Diversion

S 87°47'42" W

N 83°58'52" E

TS 2589+15.23

PC 124+43.67

SC 2591+63.92

200+00

High Mast Lighting

Paved Ditch

OH Sign

S 89°14'16" E

TS 3582+99.61

EB I-24

3585+00

SC 3585+21.61

P-7

Calvert City
Kentucky Dam
1 MILE
TO
62
EXIT 54

P-7

STA. 3581+36 I-24 EB
CONSTRUCT SIGN P-7
?- I-BEAMS & GROUND
SUPPORTS.

EXIST R/W & C/A LINE

WB I-24

SB I-69

5615+00

N 68°45'41" E

24'

MATCH LINE STA 5605+00

MATCH LINE STA 5620+00

5610+00

Gravel

Maintenance Shed

Chain Link

ST 5606+84.17

Asphalt

Ticket Booth

3590+00

3595+00

TEL JB

NB I-69

N 66°43'53" E

EL JB

PP

WM

SANMH
Top 377.37

SAN

Restroom

Gravel Parking

1605+00

1610+00

WEIGH STATION

SANMH
Top 378.78

Grass

1615+00

PROP. R/W & C/A W/FENCE

CONCESSIONS SKYBOX

CONCESSIONS SKYBOX

GRANDSTAND

Gravel

OSTC

ST 1604+31.20

Restrooms

Kentucky Lake Motor Speedway
Dirt Track

P-7
EXIT 54
TO
62
Calvert City
Kentucky Dam
1 MILE

STA. 1605+00 I-69 NB
CONSTRUCT SIGN P-7
2- I-BEAMS & GROUND
SUPPORTS.

Gravel Parking

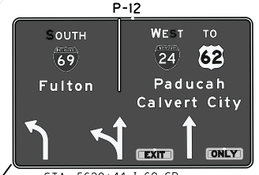
SCALE: 1"=50

SIGNING PLAN SB I-69
5605+00 - 5620+00

Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T27.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T28

P-12



STA. 5620+44 I-69 SB
CONSTRUCT SIGN P-12
& 2' (TRUSS)

MATCH LINE STA 5620+00

MATCH LINE STA 5635+00

(TRUSS) P-12

TS 5621+82.40

SC 5624+28.40
12' LT. 5624+44.19 SB I-69=
PT 2599+30.77 WB I-24

2595+00

130+00

135+00

140+00

5625+00

5630+00

3600+00

3605+00

3610+00

1620+00

Wooded

1-STY-FRAME-RES

GAR.

EXIST.60' ESMT.

EXIST.60' ESMT.

EXIST.R/W & CA LINE

EXIST.R/W & CA LINE

WB I-24 Diversion

PI 135+26.43

WB I-24

SB I-69

NB I-69

EB I-24

1200' Inside Lane Taper @ 100 : 1

1200' Inside Lane Taper @ 100 : 1

Paved Ditch

Paved Ditch

Paved Ditch

N 65°58'06" E

N 68°45'41" E

N 37°49'11" E

N 37°49'11" E

N 37°49'11" E

12'

12'

12'

R=3300.25'
L=1027.32' N 68°51'33" E
LC 1023.18'

EXIST.R/W & CA LINE

PROP.R/W & C/A W/FENCE

R=3310.00'
L 917.59' S 58°47'23" W
LC 914.65'

24' RT. 3597+26.77 EB I-24=
POT. 1620+05.16 NB I-69
BEGIN 1200' INSIDE LANE TAPER

24' RT. 3609+26.77 EB I-24
END 1200' INSIDE LANE TAPER

PI 5630+93.63

Asphalt

Asphalt

Gravel

SCALE: 1"=50

SIGNING PLAN SB I-69
5620+00 - 5635+00

Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T28.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T29

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T29.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

(P-14)
SOUTH 69 Fulton
WEST TO 24 62 Paducah Calvert City
1/2 MILE
EXIT ONLY

STA. 3623+00 62' RT I-24 EB
CONSTRUCT SIGN P14
& ?' (TRUSS)

CALVERT CITY CORPORATE LIMITS

1-FRAME-VINYL-BUS
MIDWAY TRAILER SALES
(VACANT)

Gravel

145+00 150+00 155+00 2620+00 2625+00

PI 149+23.86
PT 145+04.35
PI 155+11.12
18' LT. 2621+59.91 EXIST. I-24=
POT 5646+49.27 SB I-69
PT 156+31.66

EXIST.R/W & CA LINE

CS 3612+00.28
CS 5637+17.77
ST 3614+32.28
ST 5639+67.77
5640+00
PC 148+38.34
PT 150+09.19
5645+00
PC 153+90.05

WB I-24 Diversion
Paved Ditch

5646+49.27 SB I-69
END OVERLAY

TRUSS
(P-14)

MATCH LINE STA 5635+00
12'
12'
12'
14' SH.
WB I-24
N 37°49'11" E
14' SH.
SB I-69
N 37°49'11" E
N 37°49'11" E
70 : 1 INSIDE MEDIAN TRANS.
N 38°38'17" E
12'
12'
EB I-24
840' Outside Lane Taper @ 70 :1

1000' Parallel Outside Lane
P-8

3615+00 3620+00 3625+00
3619+25.93 EB I-24

Paved Ditch
EXIST.CA LINE
Asphalt
Exist. GRail
IP
IP WC 2283
EXIST.R/W
TVA Tower

12.666' RT. 2618+59.91 EXIST. I-24=
PI STA=3619+25.93 EB I-24
Delta= 0°49'06" RT
BEGIN 70 : 1 INSIDE MEDIAN TRANS.

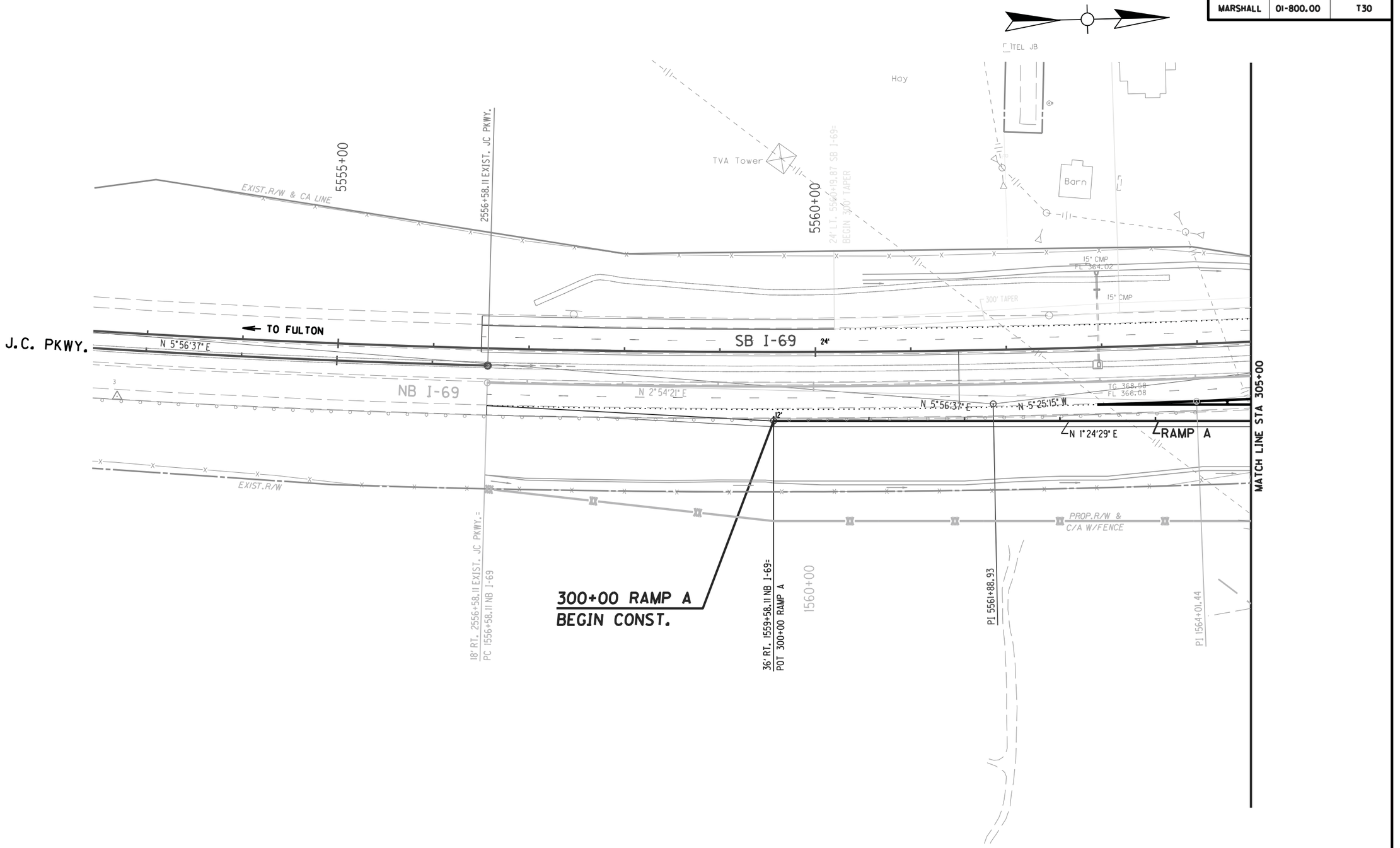
P-8 EXIT 54
TO
62
Calvert City
Kentucky Dam
1/2 MILE

STA. 2595+33 I-24 EB
CONSTRUCT SIGN P-8
2- I- BEAMS & GROUND
SUPPORTS.

SCALE: 1"=50

SIGNING PLAN SB I-69
5635+00 - END

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T30



SCALE: 1"=50'

SIGNING PLAN RAMP A
BEGIN - 305+00

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T30.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T31

SB I-69

NB I-69

N 5°25'15" W

N14° 30'20" W

N 3°41'22" W 778.59'

N 72°48' E 253.72'

1000' PARALLEL LINE

EXIST.R/W & CA LINE

N 1°24'29" E

N 29°32'18" E

PC 1510+00

PT 1514+42.69

TS 1515+82.55

1515+00

TS 315+71.24

SC 317+15.24

315+00

RAMP A

Cultivated

PROP.R/W & C/A W/FENCE

MATCH LINE STA 305+00

MATCH LINE STA 320+00

310+00

TS 305+34.82

SC 306+49.82

CS 313+49.81

ST 314+64.81

TVA Tower

Barn

P-20
EXIT 52 A
24 WEST
Paducah
1/2 MILE

STA. 318+73 RAMP A
CONSTRUCT SIGN P-20
2- I-BEAMS & GROUND SUPPORTS.

SIGNING PLAN RAMP A
305+00 - 320+00

SCALE: 1"= 50'

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T31.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T32

MATCH LINE STA 320+00

15'

S 81°32'47" E 670.87'

CS 325+34.22

ST 326+78.22

325+00

1585+00

1586+01.50 NB I-69
330+02.14 RAMP A

330+00

N 5°25'15" W

12'

7'

Z 354.920'

5

JULIAN CARROLL PKWY.

Asphalt

N 4°30'20" W

Asphalt

5585+00

N 29°32'18" E

N 34°14'53" W

RAMP A

N 34°14'53" W

15'

MATCH LINE STA 335+00

P.I. 324+82.11

5590+00

TS 333+67.13

PROP. R/W. & C/A W/FENCE

1590+00

5589+37.89 SB I-69
331+69.48 RAMP A

LITTLE JOHN CREEK

NB I-69

SB I-69

SCALE: 1"= 50'

SIGNING PLAN RAMP A
320+00 - 335+00

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T32.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T33

TO PADUCAH

10'X4' RCBC

High Mast Lighting

Grass

Asphalt

4600+00

EB I-24

WB-I-24

10'X4' RCBC

Cantilever Sign

P-27 LEFT EXIT 1C — SOUTH 69 — Fulton — EXIT ONLY

P-28 EXIT 1B — NORTH 69 EAST 24 — Henderson Nashville — EXIT ONLY

STA. 4604+74.38 JC PKWY
CONSTRUCT SIGNS P-27 & P-28
BRIDGE MOUNTED TO EXIST. BRIDGE

60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

I-24

N 83°58'52" E

L 25°85.83' N

4595+00

PI 4600+00.05
Delta= 1°08'45" LT

PI 336+53.13

PI 2592+04.43

PI 5594+45.99

2565+00

P-27
P-28

300 TAPER

12'

1200' PAVEMENT, TAPER @ 50 : 1

N 4°52'10" W

JULIAN CARROLL PKWY.

N 6°00'55" W

POB 100+00.00

100+00

TO CALVERT CITY

N 5°25'15" W

N 34°14'53" W

MATCH LINE STA 335+00

RAMP A

P-21

P-22

7'

ST 339+29.97

340+00

LEFT EXIT 52B — TO 62 — Calvert City

P-21

P-22 EXIT 52A — 24 WEST — Paducah

STA. 4601+26.98 JC PKWY
CONSTRUCT SIGNS P-21 & P-22
BRIDGE MOUNTED TO EXIST. BRIDGE

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

18' LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.71 SB PROP. JC PKWY.

N 66°43'53" E

SC 335+11.43

CS 337+85.97

N 68°45'41" E

Grass

Asphalt

Cantilever Sign

P-6

TS 3568+88.61

P-6 EXIT 25B — TO 62 — Calvert City

STA. 4601+26.98 I-24 EB
CONSTRUCT SIGNS P-6
CANTILEVER 2' TRUSS

SC 3570+05.61

12' 12'

Paved Ditch

PC 103+92.19

2570+00

TO NASHVILLE

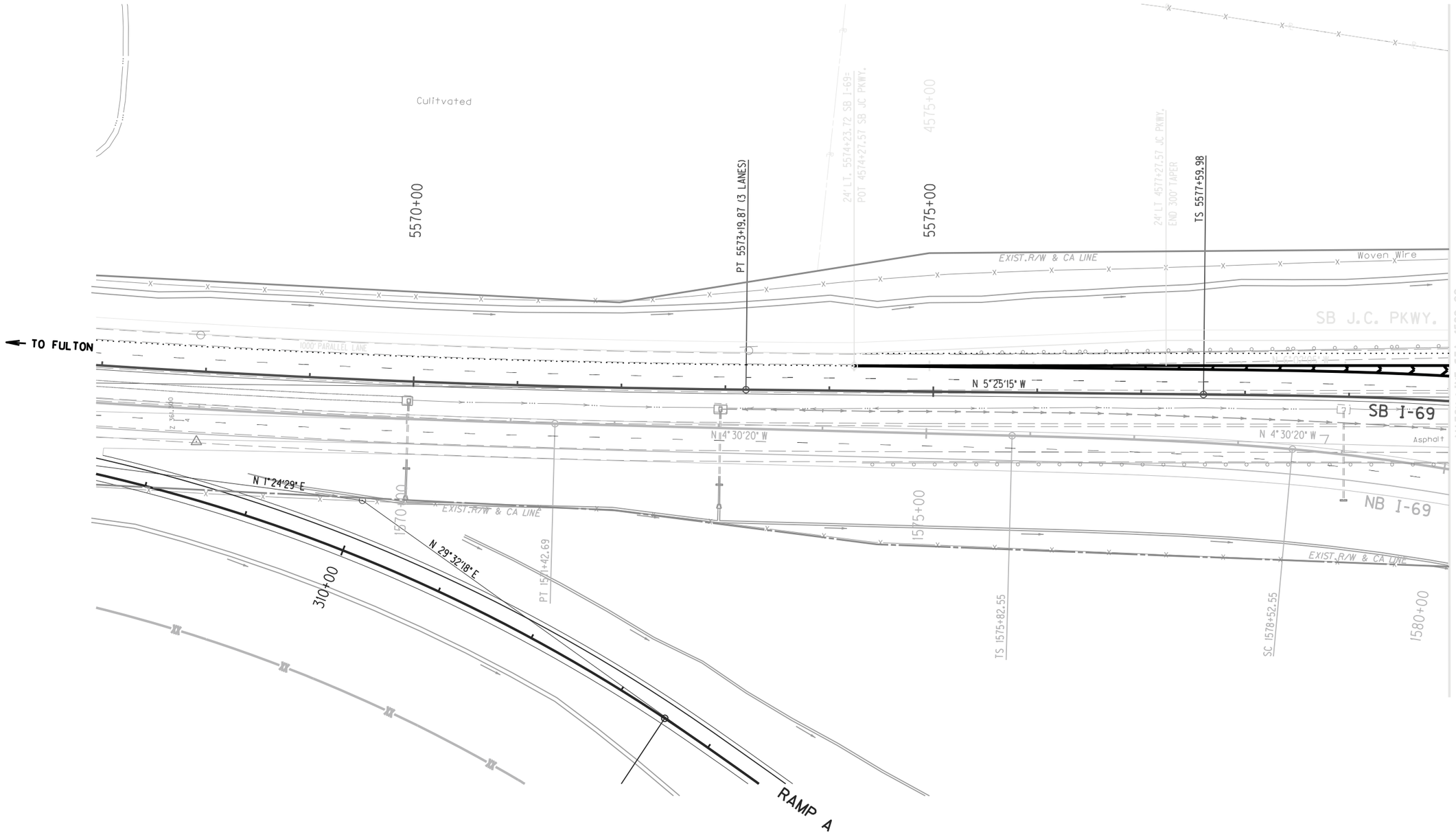
High Mast Lighting

SCALE: 1"= 50'

SIGNING PLAN RAMP A
335+00 - END

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T33.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	R34

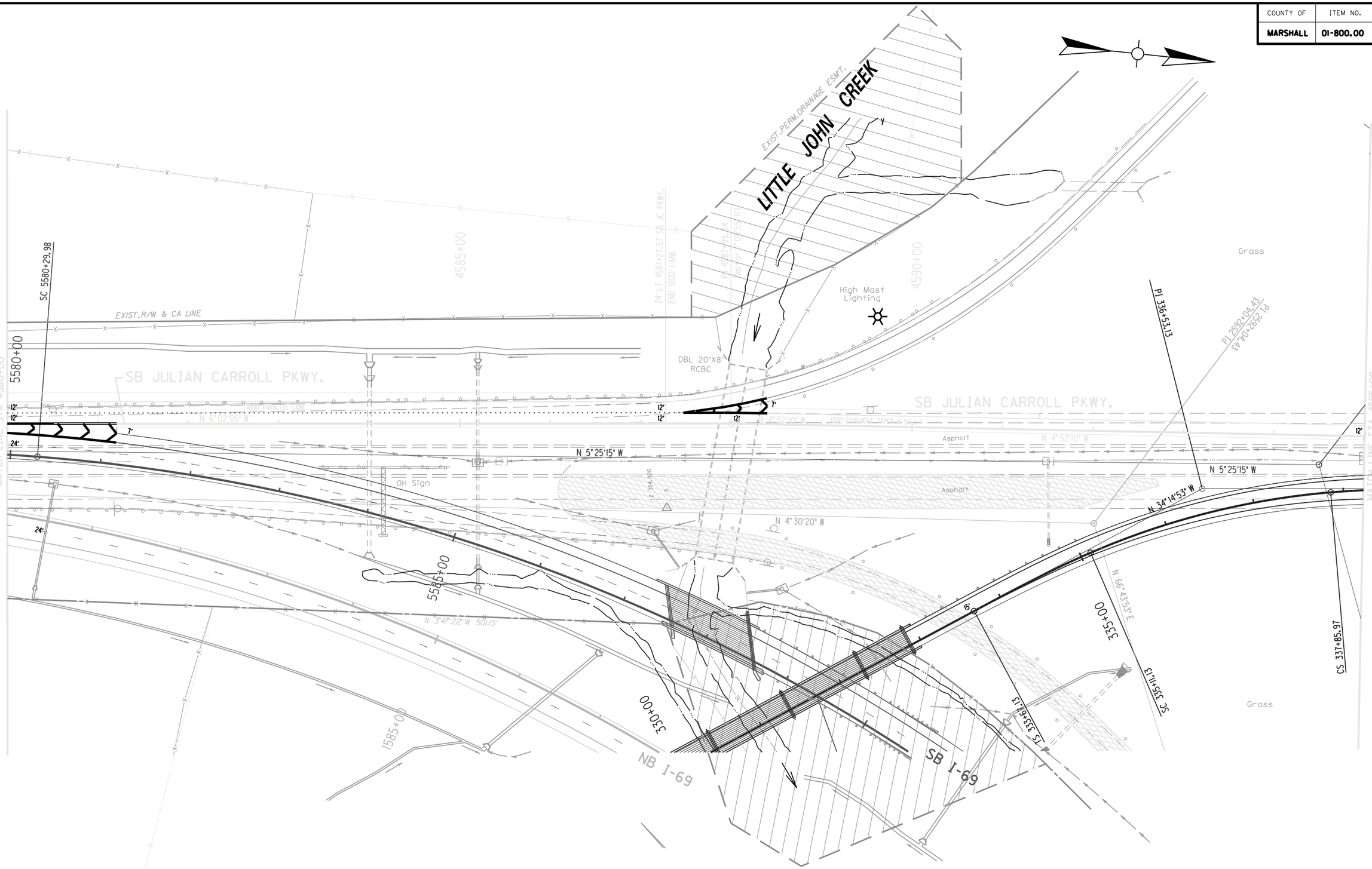


SCALE: 1"= 50'

SIGNING PLAN SB JULIAN CARROLL PKWY.
BEGIN - 4580+00

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T34.DGN
USER: mlane
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
Power InRoads v8.11.9.578

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T35



SCALE: 1"= 50'

SIGNING PLAN SB JULIAN CARROLL PKWY.
4580+00 - 4595+00

Power InRoads v8.11.9.578
E-SHEET NAME:
USER: mlane
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T35.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T36

High Mast Lighting

High Mast Lighting

WB I-24

WB I-24

I-24

TO PADUCAH

10'X4' RCBC

Grass

Grass

Asphalt

4600+00

4605+00

60' RT. 2563+50.00 WB I-24=
POT 3563+50.00 EB I-24

N 83°58'52" E 1,275.85

P.I. 4600+00.05
Delta= 1°08'45" LT

Cantilever Sign

P-27
EXIT 1C
SOUTH 69
Fulton
EXIT ONLY

P-28
EXIT 1B
NORTH 69 EAST 24
Henderson
Nashville
EXIT ONLY

STA. 4604+74.38 JC PKWY
CONSTRUCT SIGNS P-27 & P-28
BRIDGE MOUNTED TO EXIST. BRIDGE

4602+30.03 SB JC PKWY.=
2565+74.49 WB I-24

2565+00

18" LT. 2606+44.62 EXIST. JC PKWY.=
4606+44.75B PROP. JC PKWY.

SB JULIAN CARROLL PKWY.

P-27
P-28

300 TAPER

12'
12'

1200' PAVEMENT, TAPER @ 50':1

N 4°52'20" W

T.C. 353.00
F.L. 347.98

15" PIPE

JULIAN CARROLL PKWY.

N 6°00'55" W

POB 100+00.00

100+00

TO CALVERT CITY

12'
12'
12'

P-21
P-22

7'
7'

RAMP A

ST 339+29.97

340+00

N 68°45'41" E

LEFT
EXIT 52B
TO 62
Calvert City

P-21

P-22
EXIT 52A
24 WEST
Paducah

STA. 4601+26.98 JC PKWY
CONSTRUCT SIGNS P-21 & P-22
BRIDGE MOUNTED TO EXIST. BRIDGE

30' RT. 2599+99.97 EXIST. JC PKWY.=
POT 343+23.39 PROP. RAMP A

4601+70.03 SB JC PKWY.=
3565+74.52 EB I-24

Cantilever Sign

Grass

TS 3568+88.61

24'

24'

TO NASHVILLE

15" PIPE

T.C. 382.15
F.L. 378.06

SCALE: 1"= 50'

SIGNING PLAN SB JULIAN CARROLL PKWY.
4595+00 - END

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T36.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T37

SB I-69

EXIT 54 TO 62 Calvert City Kentucky Dam 1 MILE

P-7

STA. 3581+36 I-24 EB
CONSTRUCT SIGN P-7
2- I-BEAMS & GROUND
SUPPORTS.

P-7

EXIST.R/W & CA LINE

Asphalt

Gravel

N 68°45'41" E

361.20'

CMP (BROKEN)

3585+00

SC 3585+21.61

TS 3582+89.61

EB I-24

3580+00

ST 3579+12.21

Asphalt

Asphalt

OH Sign

WB I-24

TG 379.51
FL 377.06

N 83°58'52" E

12'
12'
12'
17'

S 87°47'42" W

PI 209+06.41

S 87°47'42" W

N 51°03'48" W

High Mast Lighting

Electirc Service Panel

RAMP G

PT 212+73.02

MATCH LINE STA 210+00

Paved Ditch

Paved Ditch

WB I-24 DIVERSION

200+00

EXIST.R/W & CA LINE

205+00

PC 205+87.41

2580+00

Woven Wire

TS 2589+15.23

2585+00

24' L.I. 2587+46.70 WB I-24 =
200+00.00 RAMP G

115+00

P-13

EXIT 52A

24 WEST Paducah

P-14

EXIT 52B

62 TO Calvert City

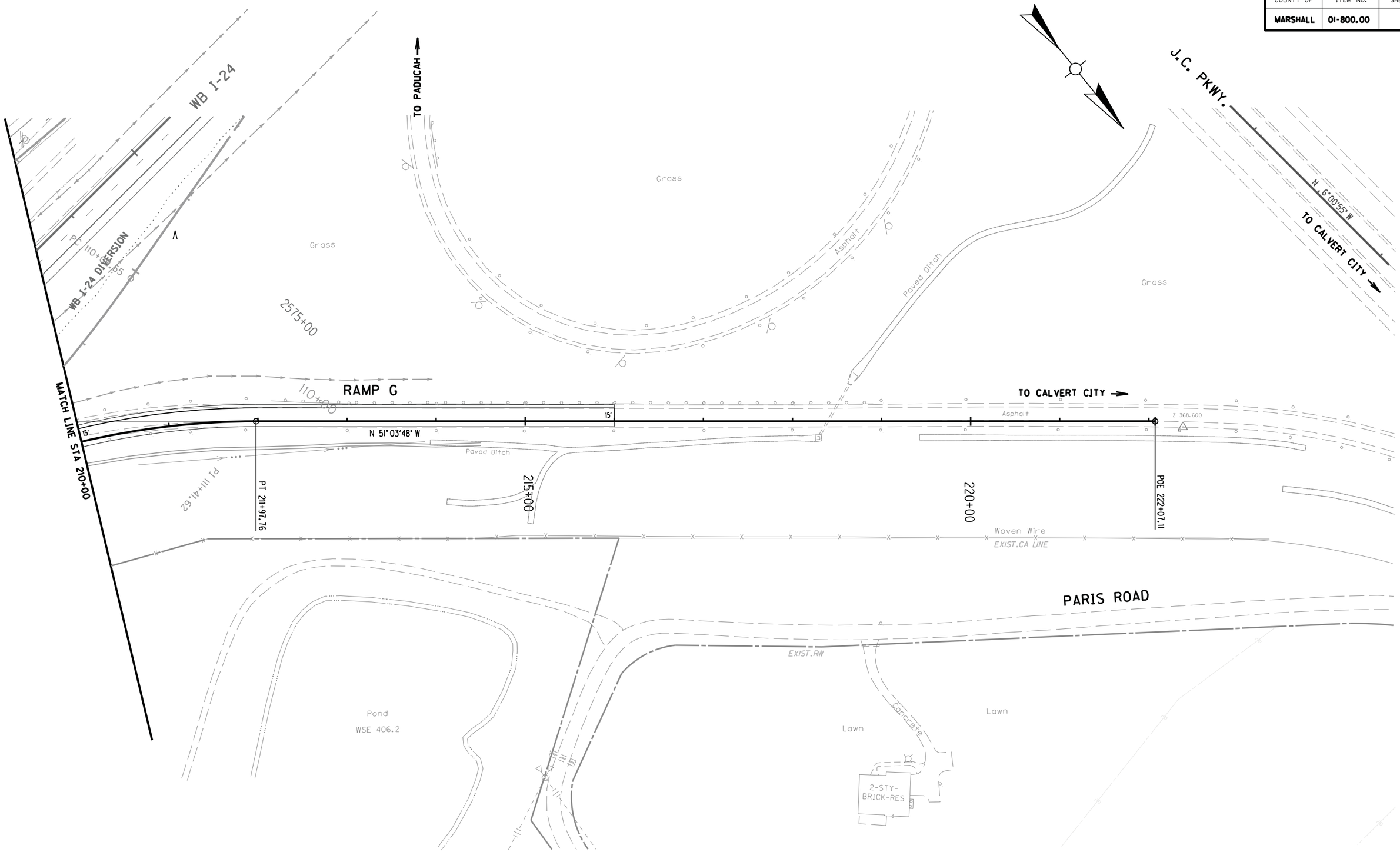
STA. 2582+95 I-24 WB
CONSTRUCT SIGNS P-13 & P14
?' TRUSS

SCALE: 1"= 50'

SIGNING PLAN RAMP G
BEGIN - 210+00

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane
DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T37.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T38



SCALE: 1"= 50'

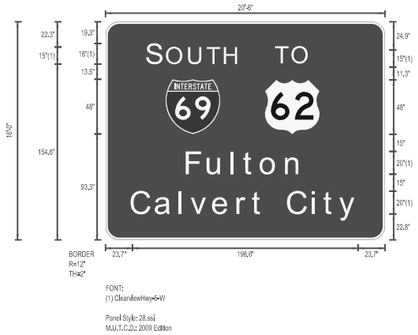
SIGNING PLAN RAMP G
210+00 - END

Power InRoads v8.11.9.578 | E-SHEET NAME: | USER: mlane DATE PLOTTED: August 3, 2015 | FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\T38.DGN

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\39-443 SIGNDET1.DGN
USER: mlane
DATE PLOTTED: July 10, 2015
E-SHEET NAME:
PANEL

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T39

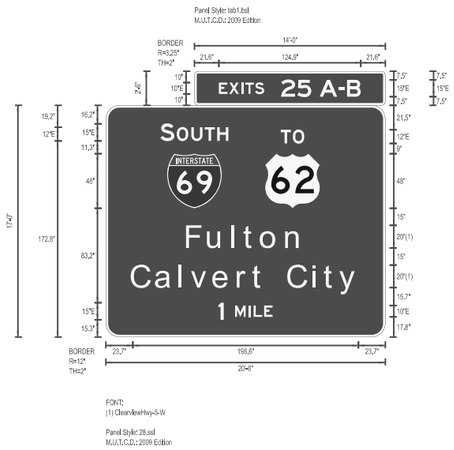
GENERAL NOTES:



SIGN INFORMATION	
SIGN NUMBER	P-1
QUANITY	1
WIDTH	20'-6"
HEIGHT	18'-6"
AREA (Sq. Ft.)	395.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BEAMS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

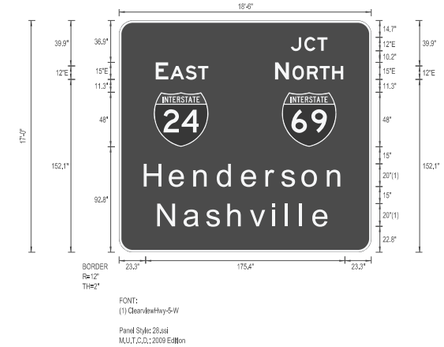
SUPPORT TYPE				
SUPPORT TYPE TYPE C				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-2
QUANITY	1
WIDTH	20'-6"
HEIGHT	18'-6"
AREA (Sq. Ft.)	395.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BEAMS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

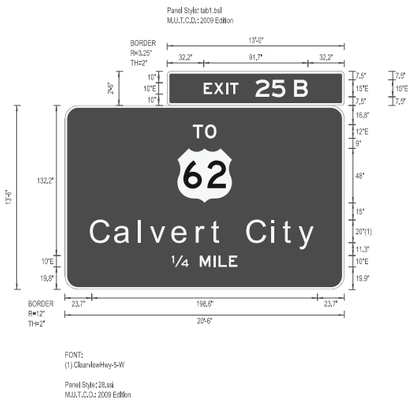
SUPPORT TYPE				
SUPPORT TYPE TYPE C				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-3
QUANITY	1
WIDTH	19'-0"
HEIGHT	18'-0"
AREA (Sq. Ft.)	342.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

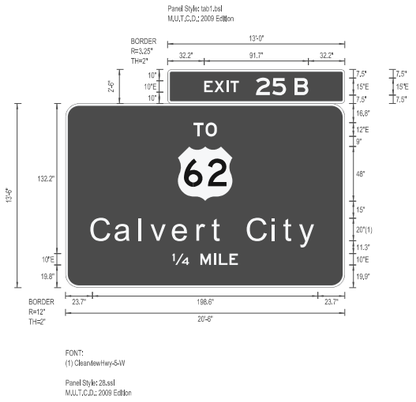
SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-4
QUANITY	1
WIDTH	20'-6"
HEIGHT	14'-6"
AREA (Sq. Ft.)	329.75 Sq.Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

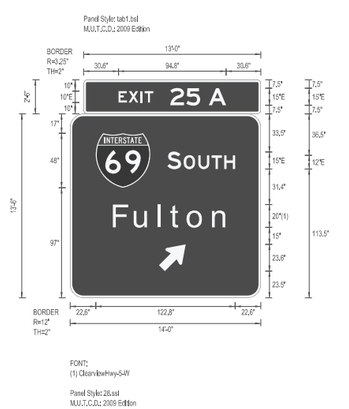
SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-5
QUANITY	1
WIDTH	15'-6"
HEIGHT	15'-6"
AREA (Sq. Ft.)	240.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-6
QUANITY	1
WIDTH	20'-6"
HEIGHT	15'-6"
AREA (Sq. Ft.)	305.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	CANTILEVER	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

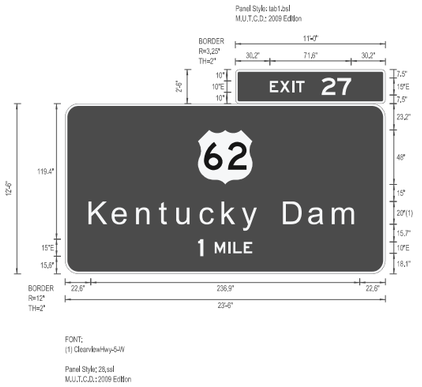
SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN DETAIL SHT.

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\39-43
USER: mlane
DATE PLOTTED: July 10, 2015
E-SHEET NAME:
SIGNDET2012.11.7.443
PANE

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T40

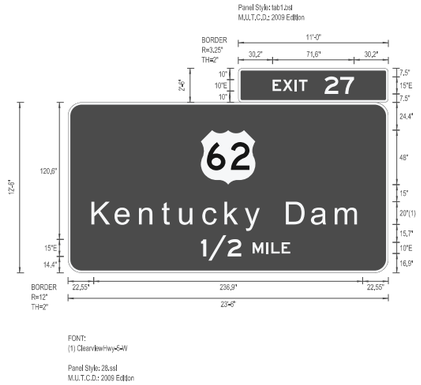
GENERAL NOTES;



SIGN INFORMATION	
SIGN NUMBER	P-7
QUANITY	
WIDTH	23'-0"
HEIGHT	18"0"
AREA (Sq. Ft.)	441.5 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-8
QUANITY	1
WIDTH	23'-0"
HEIGHT	18"0"
AREA (Sq. Ft.)	441.5 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

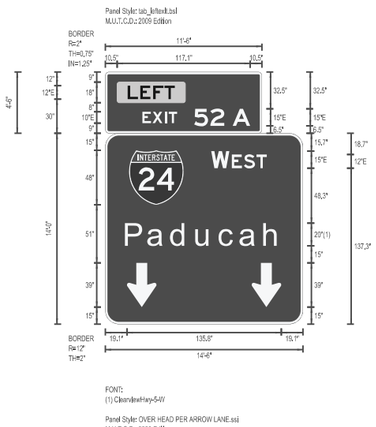
SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	P-9
QUANITY	1
WIDTH	27'0"
HEIGHT	16'-6"
AREA (Sq. Ft.)	473.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

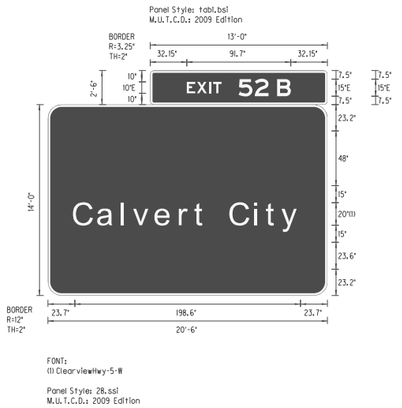
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-13
QUANITY	1
WIDTH	15'-0"
HEIGHT	15'-0"
AREA (Sq. Ft.)	283.5 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	TRUSS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

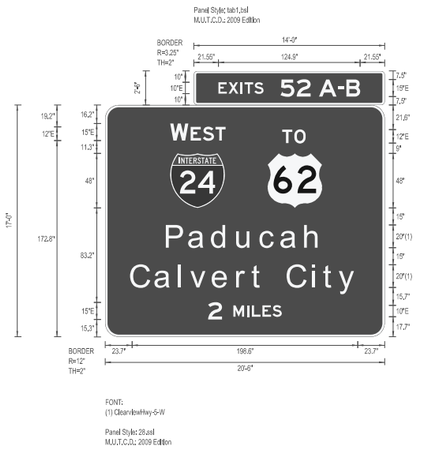
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-14
QUANITY	1
WIDTH	20'-6"
HEIGHT	16'-6"
AREA (Sq. Ft.)	365.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	TRUSS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-15
QUANITY	1
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	414.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

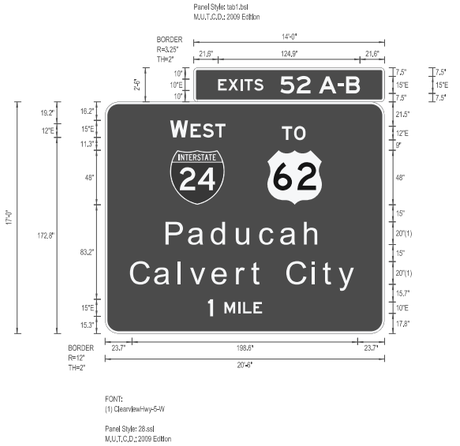
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE			'LEFT	
			'RIGHT	
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN DETAIL SHT.

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\39-43
USER: mlane
DATE PLOTTED: July 10, 2015
E-SHEET NAME:
SIGNDET41.dgn 11.7.443
PANE

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T41

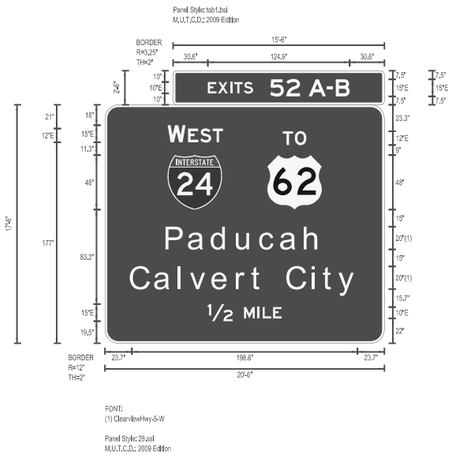
GENERAL NOTES;



SIGN INFORMATION	
SIGN NUMBER	P-16
QUANITY	1
WIDTH	18'-6"
HEIGHT	20'-6"
AREA (Sq. Ft.)	414.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

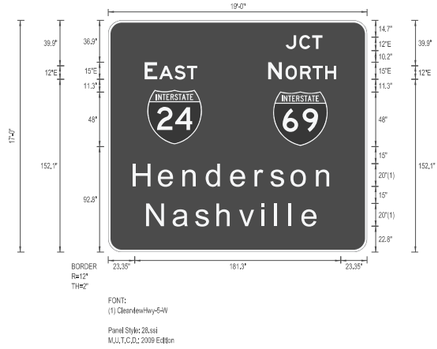
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-17
QUANITY	1
WIDTH	18'-6"
HEIGHT	20'-6"
AREA (Sq. Ft.)	414.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

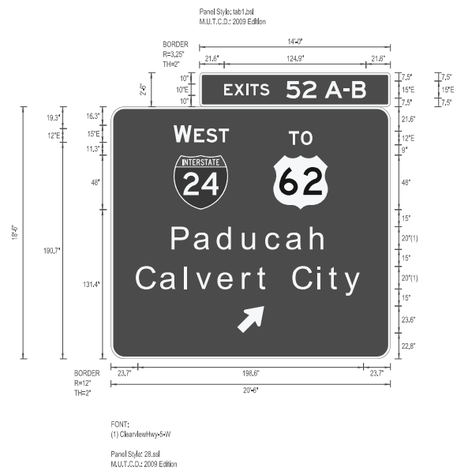
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-18
QUANITY	1
WIDTH	19'-0"
HEIGHT	19'-0"
AREA (Sq. Ft.)	361.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

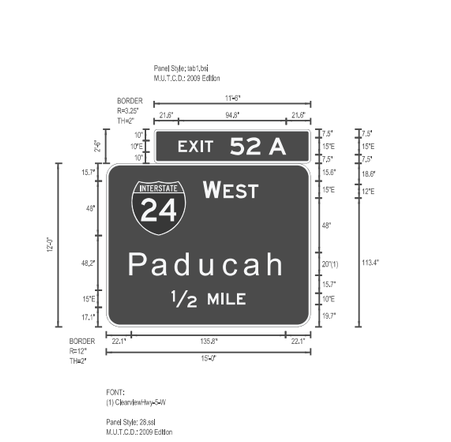
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-19
QUANITY	1
WIDTH	20'-6"
HEIGHT	20'-0"
AREA (Sq. Ft.)	448.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

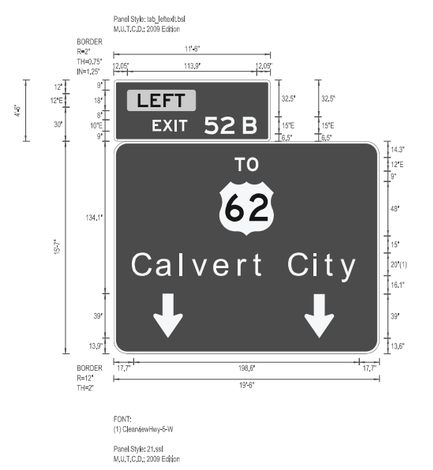
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-20
QUANITY	1
WIDTH	15'-0"
HEIGHT	13'-0"
AREA (Sq. Ft.)	195.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



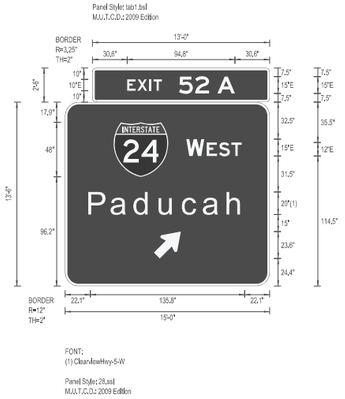
SIGN INFORMATION	
SIGN NUMBER	P-21
QUANITY	1
WIDTH	20'-6"
HEIGHT	16'-6"
AREA (Sq. Ft.)	396.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	
TRAFFIC DIRECTION	
SIDE OF ROAD	
MOUNTING STYLE	BEAMS
BEAM MATERIAL	
BEAM SIZE	
BEAM/POST LENGTH	1. =
BEAM/POST LENGTH	2. =
BEAM/POST LENGTH	3. =
BEAM/POST LENGTH	4. =
CONC "a" =	Cu. Yds.
CONC "b" =	

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS "B" = STANDARD BREAK-A-WAY BEAMS "C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		'LEFT		
		'RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN DETAIL SHT.

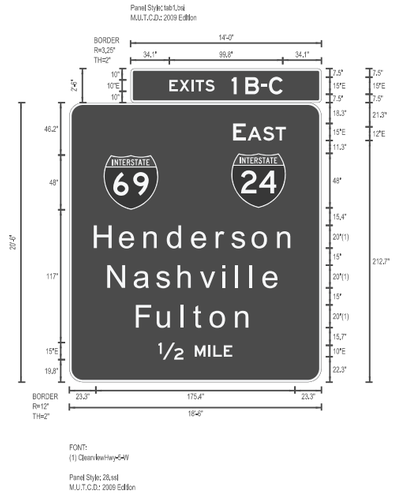
GENERAL NOTES;



SIGN INFORMATION	
SIGN NUMBER	P-22
QUANITY	1
WIDTH	16'-0"
HEIGHT	14'-6"
AREA (Sq. Ft.)	264.50 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BEAMS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

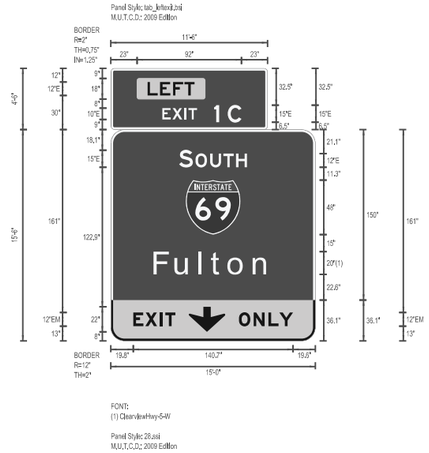
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-23
QUANITY	1
WIDTH	21'-6"
HEIGHT	18'-6"
AREA (Sq. Ft.)	436.50 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BRIDGE MOUNT	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-24
QUANITY	1
WIDTH	15'-0"
HEIGHT	18'-6"
AREA (Sq. Ft.)	329.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

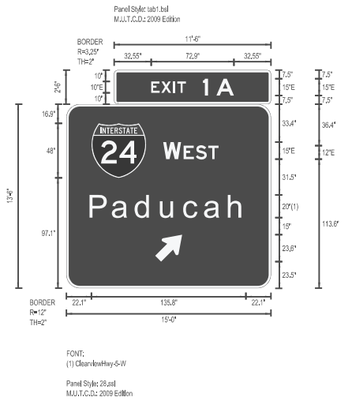
SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	P-25
QUANITY	1
WIDTH	18'-6"
HEIGHT	19'-0"
AREA (Sq. Ft.)	384.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green/Yellow
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

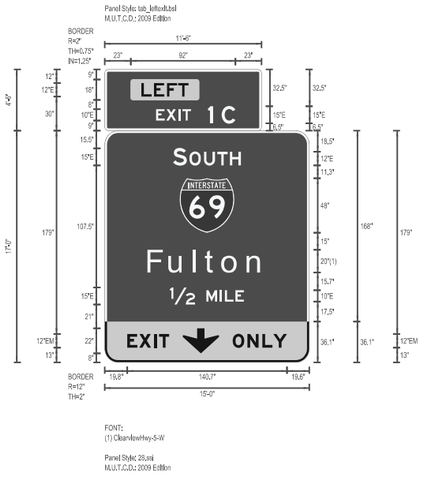
SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-26
QUANITY	1
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	TRUSS	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT



SIGN INFORMATION	
SIGN NUMBER	P-27
QUANITY	1
WIDTH	16'-0"
HEIGHT	15'-0"
AREA (Sq. Ft.)	291.75 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green/Yellow
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BRIDGE MOUNT	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
*A" = FIXED BEAMS *B" = STANDARD BREAK-A-WAY BEAMS *C" = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN DETAIL SHT.

PANEL SIGNS\DETAILS\SIGNDET2.DGN 11.7.443
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\39-43
USER: mlane
DATE PLOTTED: July 10, 2015
E-SHEET NAME:

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\39-43
USER: mlane
DATE PLOTTED: July 10, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T43

GENERAL NOTES;

SIGN INFORMATION	
SIGN NUMBER	P-28
QUANITY	1
WIDTH	18'-6"
HEIGHT	19'-0"
AREA (Sq. Ft.)	384.0 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green/Yellow
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE	BRIDGE MOUNT	
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	
QUANITY	
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	
BORDER WIDTH	
BORDER RADII	
PANEL COLOR	
LEGEND/BORDER COLOR	
STATIONS(S)	
PANEL MATERIAL	
LEGEND MATERIAL	

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE		
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	
QUANITY	
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	
BORDER WIDTH	
BORDER RADII	
PANEL COLOR	
LEGEND/BORDER COLOR	
STATIONS(S)	
PANEL MATERIAL	
LEGEND MATERIAL	

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE		
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	
QUANITY	
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	
BORDER WIDTH	
BORDER RADII	
PANEL COLOR	
LEGEND/BORDER COLOR	
STATIONS(S)	
PANEL MATERIAL	
LEGEND MATERIAL	

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE		
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN INFORMATION	
SIGN NUMBER	
QUANITY	
WIDTH	
HEIGHT	
AREA (Sq. Ft.)	
BORDER WIDTH	
BORDER RADII	
PANEL COLOR	
LEGEND/BORDER COLOR	
STATIONS(S)	
PANEL MATERIAL	
LEGEND MATERIAL	

SIGN LOCATION / SUPPORT		
ROAD & MILE POINT		
TRAFFIC DIRECTION		
SIDE OF ROAD		
MOUNTING STYLE		
BEAM MATERIAL		
BEAM SIZE		
BEAM/POST LENGTH	1. =	
BEAM/POST LENGTH	2. =	
BEAM/POST LENGTH	3. =	
BEAM/POST LENGTH	4. =	
CONC "a" =		Cu. Yds.
CONC "b" =		

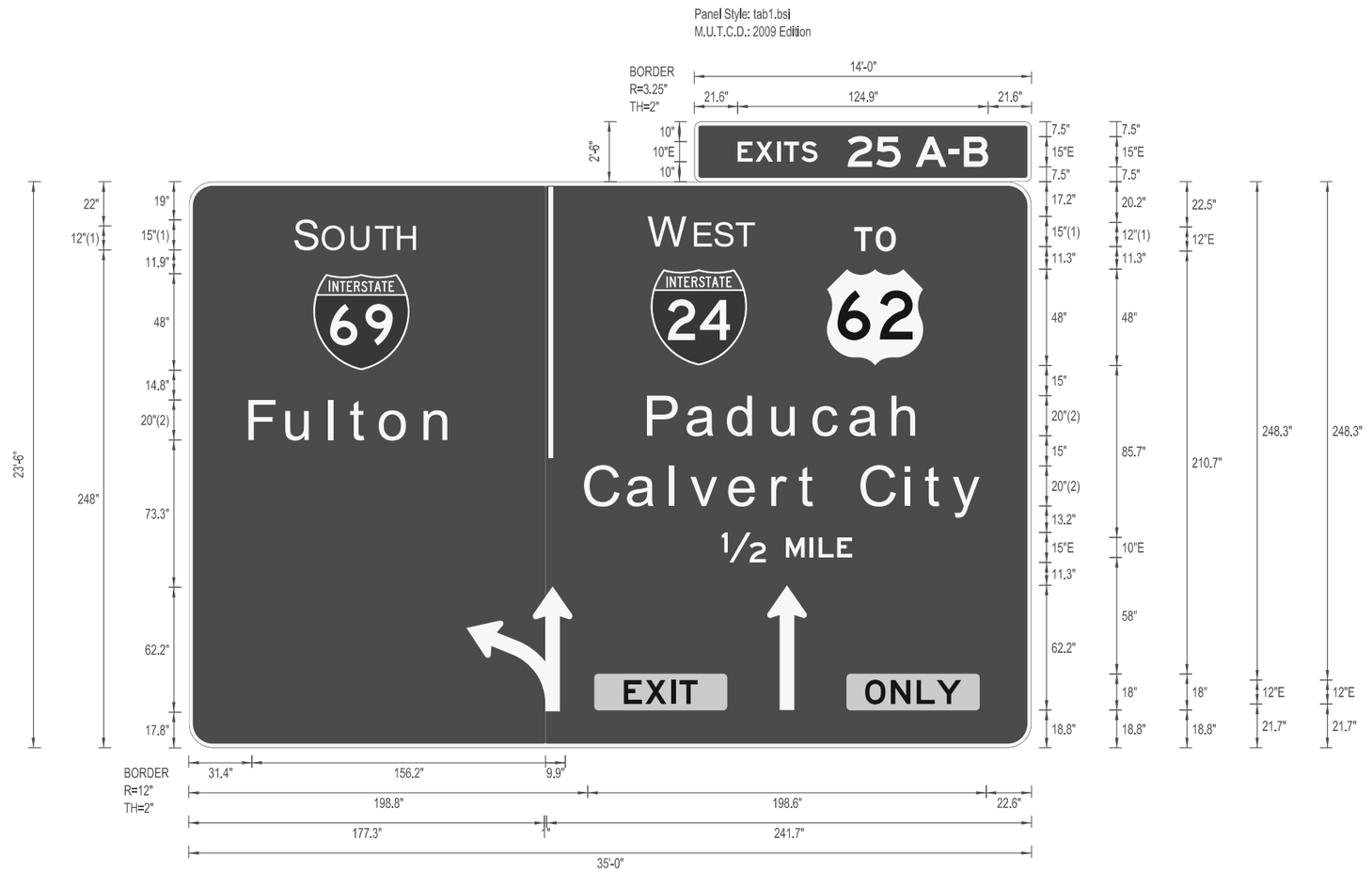
SUPPORT TYPE				
SUPPORT TYPE				
A = FIXED BEAMS *B* = STANDARD BREAK-A-WAY BEAMS *C* = OMNI-DIRECTIONAL BREAK-A-WAY				
HORIZONTAL CLEARANCE		' LEFT		
		' RIGHT		
SYMBOL	X	Y	WIDTH	HEIGHT

SIGN DETAIL SHT.

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T44

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-10
QUANITY	1
WIDTH	32'-6"
HEIGHT	23'-5"
AREA (Sq. Ft.)	761.04 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective
PANEL STYLE	

SYMBOL(S)	X	Y	WIDTH	HEIGHT



FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

Panel Style: Pull Thru Calvert.ssi
M.U.T.C.D.: 2009 Edition

LETTER SPACING / INFORMATION																	
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT

MOUNTING STYLE	TRUSS
BEAM MATERIAL	
BEAM SIZE	

BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE	
BEAM/POST 2 LENGTH =	'LT.	'RT.
BEAM/POST 3 LENGTH =		

TYPE "A" FIXED	TYPE "B" BREAK-A-WAY

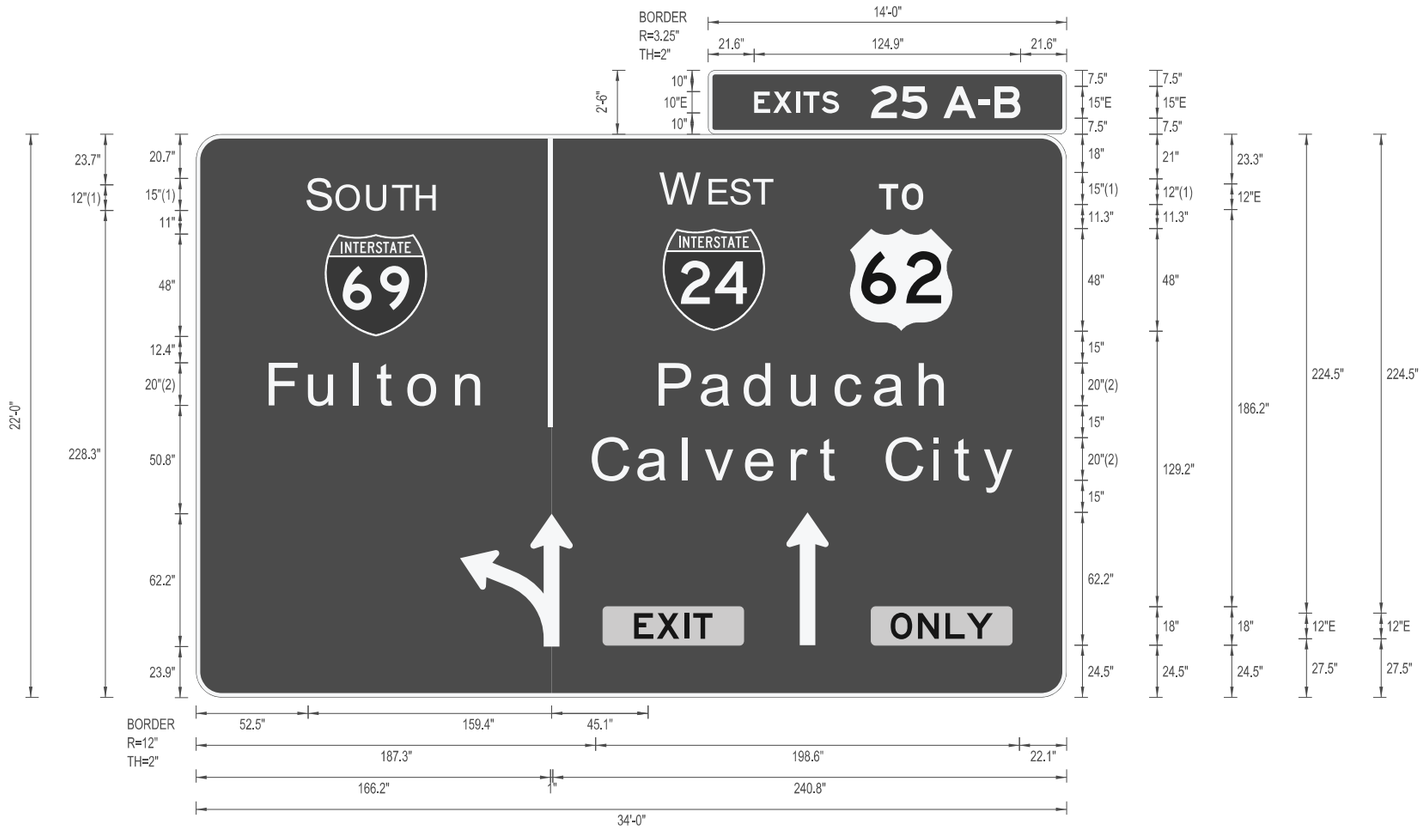
CONCRETE BASE DIMENSIONS		
a = DIA.	b =	Cu. Yds.

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T45

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-11
QUANITY	1
WIDTH	25'-3"
HEIGHT	31'-6"
AREA (Sq. Ft.)	795.38 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective
PANEL STYLE	

SYMBOL(S)	X	Y	WIDTH	HEIGHT

Panel Style: tab1.bsi
M.U.T.C.D.: 2009 Edition



FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

Panel Style: Pull Thru Calvert.ssi
M.U.T.C.D.: 2009 Edition

LETTER SPACING / INFORMATION																	
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT

MOUNTING STYLE	TRUSS
BEAM MATERIAL	
BEAM SIZE	

	HORIZONTAL CLEARANCE	
BEAM/POST 1 LENGTH =		
BEAM/POST 2 LENGTH =		
BEAM/POST 3 LENGTH =	'LT.	'RT.

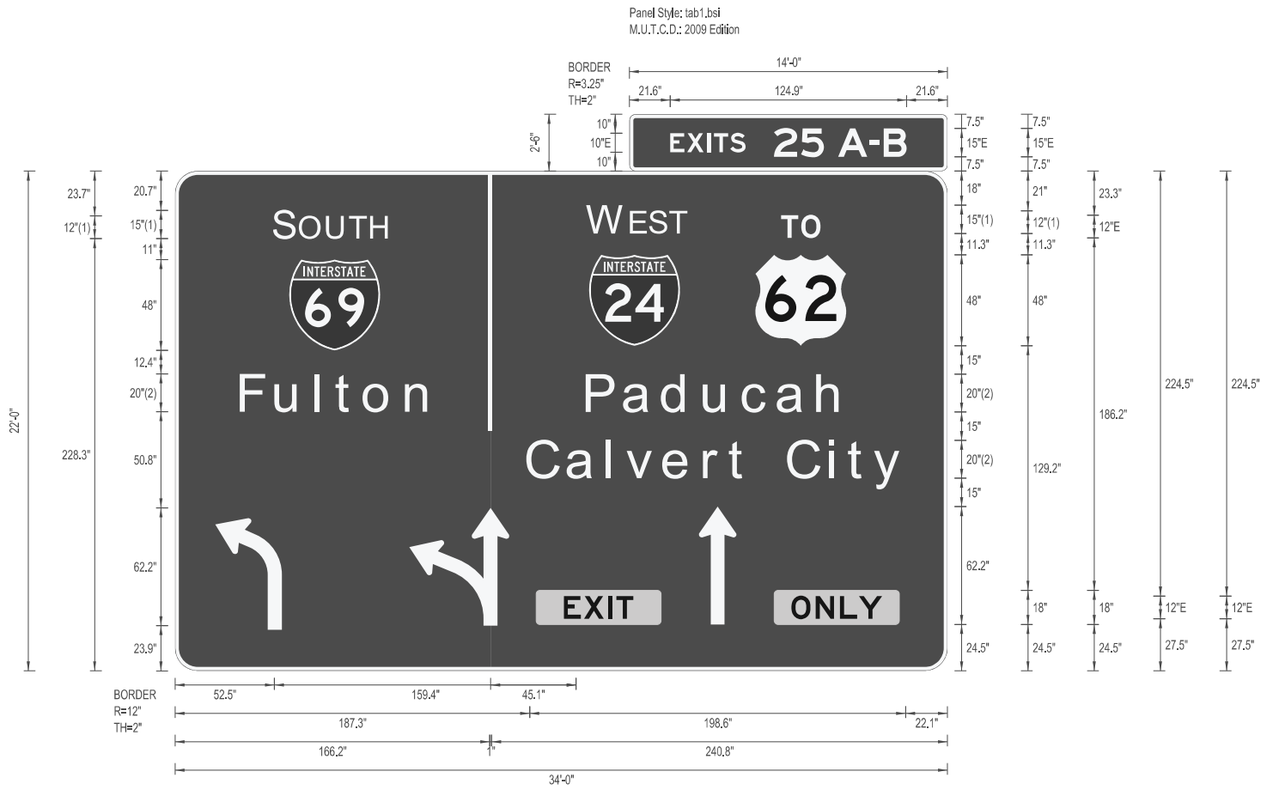
TYPE "A" FIXED	TYPE "B" BREAK-A-WAY

CONCRETE BASE DIMENSIONS		
a = DIA.	b =	Cu. Yds.

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T46

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-12
QUANITY	1
WIDTH	37'-6"
HEIGHT	23'-5"
AREA (Sq. Ft.)	881.25 Sq. Ft.
BORDER WIDTH	2"
BORDER RADII	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White/White
STATIONS(S)	
PANEL MATERIAL	Reflective
LEGEND MATERIAL	Reflective
PANEL STYLE	

SYMBOL(S)	X	Y	WIDTH	HEIGHT



FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

Panel Style: Pull Thru Calvert.ssi
M.U.T.C.D.: 2009 Edition

LETTER SPACING / INFORMATION																	
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																
S=	COPY																
L=	SPACE																

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT

MOUNTING STYLE	TRUSS
BEAM MATERIAL	
BEAM SIZE	

BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE	
BEAM/POST 2 LENGTH =	'LT.	'RT.
BEAM/POST 3 LENGTH =		

TYPE "A" FIXED	TYPE "B" BREAK-A-WAY

CONCRETE BASE DIMENSIONS		
a = DIA.	b =	Cu. Yds.

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T47

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ⓘ	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ⓘ	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\T47-50
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
PANEL SIGN.DGN 9.578

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T48

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\47-50
USER: korlder
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
PANEL SIGN.DGN 9.578

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T49

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN DETAIL SHEET

FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\47-50
USER: kcrider
DATE PLOTTED: August 3, 2015
E-SHEET NAME:
PANEL SIGN.DGN 9.578

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T50

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	SIGN LOCATION FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	SIGN LOCATION AT STATION (APPROXIMATE)
S-								
S-								
S-								
S-								
S-								

SIGN DETAIL SHEET

MicroStation v8.11.9.578
E-SHEET NAME:
USER: korlder
DATE PLOTTED: August 3, 2015
FILE NAME: P:\PROJECTS\2012 PROJECTS\12355 - I-69 CALVERT CITY INTERCHANGE\CONTRACT PLAN SET\ROADWAY\CADD SHEETS\SIGNS\DETAIL SHEETS\47-50

GENERAL NOTES
50'–70' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

SUPERELEVATION OF ROADWAY: The Contractor shall allow for differences in elevations across the full shoulder width as shown on the Roadway Plans in maintaining the required 18 foot minimum vertical clearence to the bottom of the lowest part of the sign or support. Sign shall to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled ¾" unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS: The contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications. The Roadway Cross Section developed by the contractor is to accompany the Shop Drawings. The Shop Drawings and Roadway Cross Section will also be forwarded to the engineer for review.

FABRICATION: The aluminum sign support shall be fabricated in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the sepcifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 11/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, CAdmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
B108-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and Elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

MAXIMUM SIGN AREA: Designed for a sign area of 600 sq. ft.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

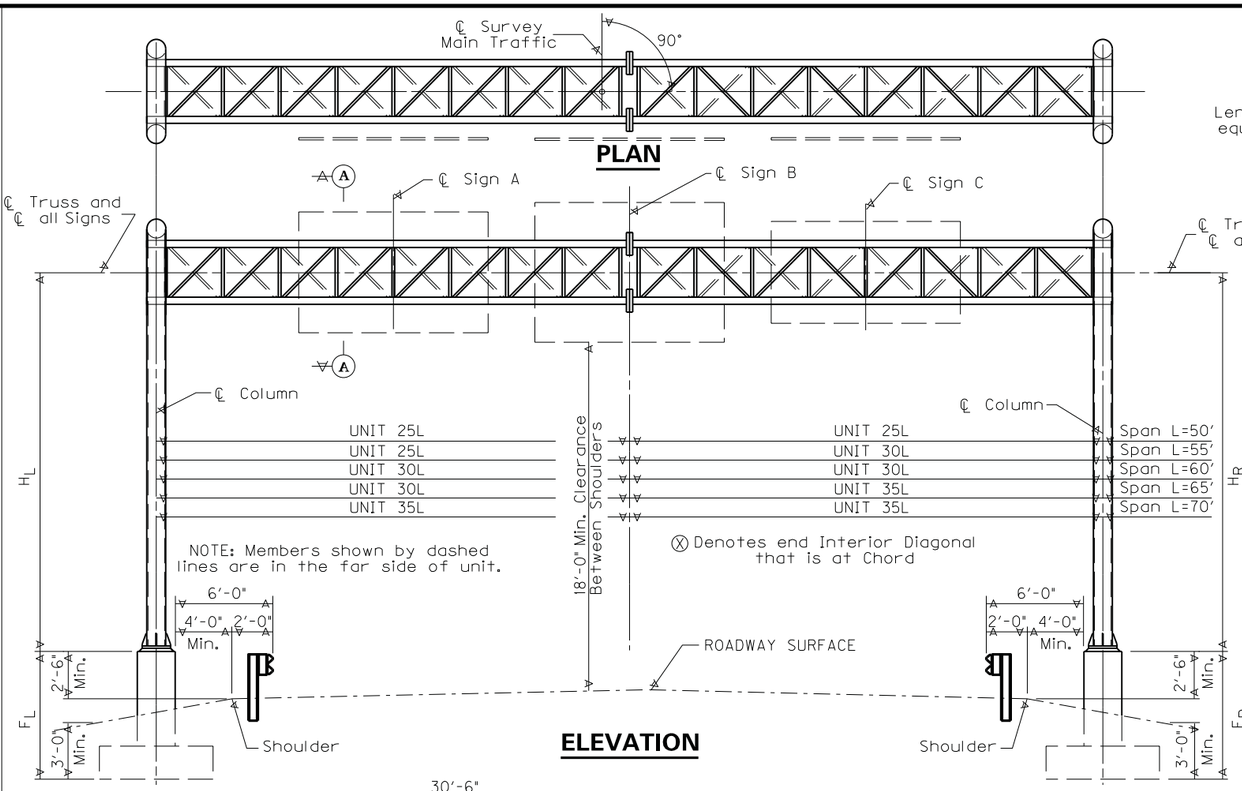
COUNTY
MARSHALL

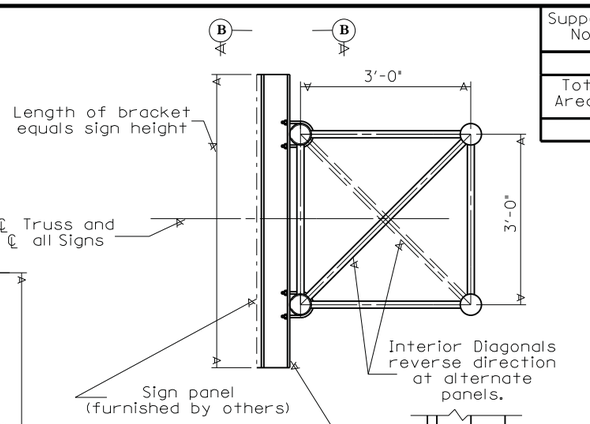
ROUTE	CROSSING

50'–70' OVERHEAD SIGN SUPPORT

ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T51
		DRAWING NO.

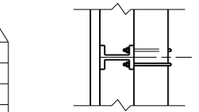
MicroStation v8.11.9.578
E-SHEET NAME:
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$





W6" x 4.16#	
SIGN LENGTH	REQD. NO.
0'-0" Thru 8"-0"	2
8'-1" Thru 12"-0"	3
12'-1" Thru 16"-0"	4
16'-1" Thru 20"-0"	5
20'-1" Thru 24"-0"	6

SECTION A–A



SECTION B–B

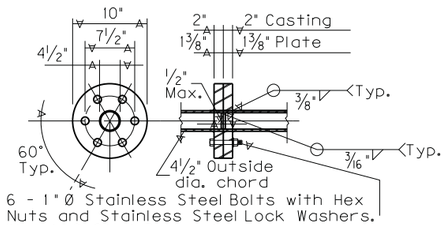
Support No.	STATION		SPAN	SUPPORT HEIGHT		FOOTING HEIGHT	
			L	H_L	H_R	F_L	F_R

Total Area**	SIGN A				SIGN B				SIGN C			
	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*
	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*

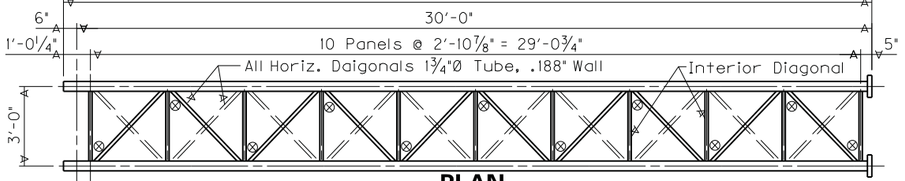
* Area includes Exit Number Signs that are not shown.

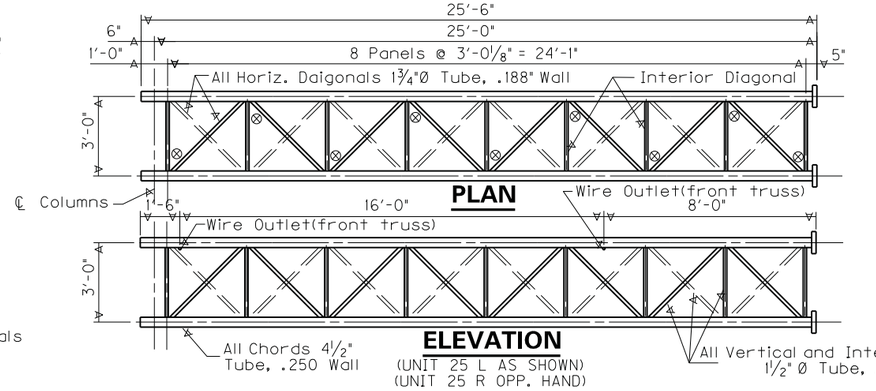
** Total Area includes the sum of all of the signs on the structure and shall not exceed 600 square feet.

A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart above based on the design cross section at the locations where the truss is to be erected, the actual signs to be used on the truss, and the instructions herein. The engineer's name is to appear in the "Checked By" box (•••) of the title block on each sheet. The engineer is responsible for verifying the information based on the contractor's submitted cross sections and for reviewing the fabricator's shop drawings in detail.

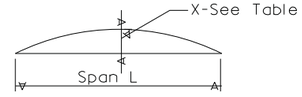


CHORD SPLICE

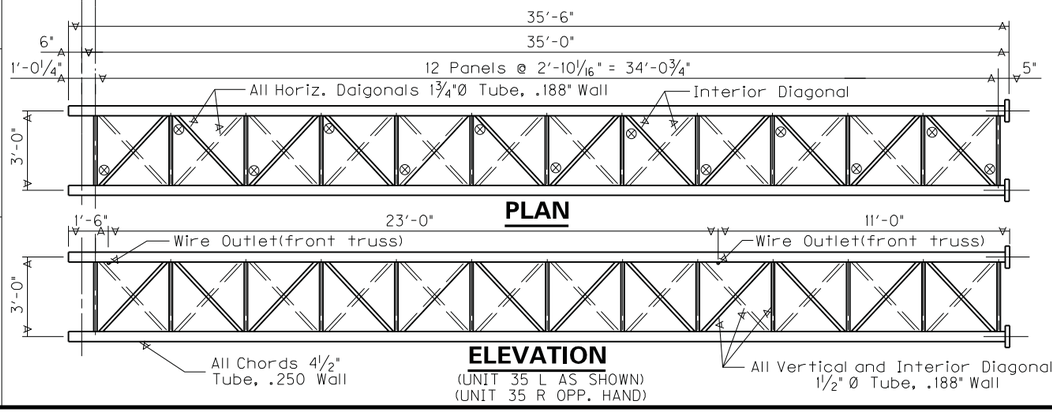


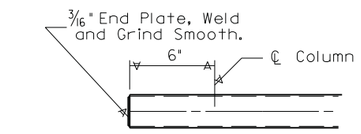


L	X
50	1"
55	1¼"
60	1½"
65	1¾"
70	2"

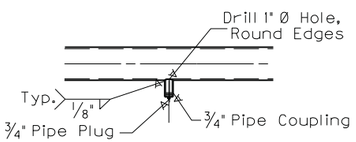


CAMBER DIAGRAM

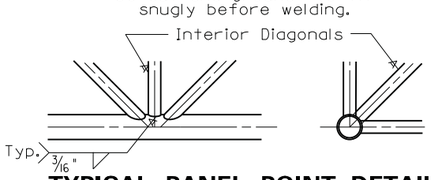




CHORD END DETAIL



WIRE OUTLET DETAIL



TYPICAL PANEL POINT DETAIL

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

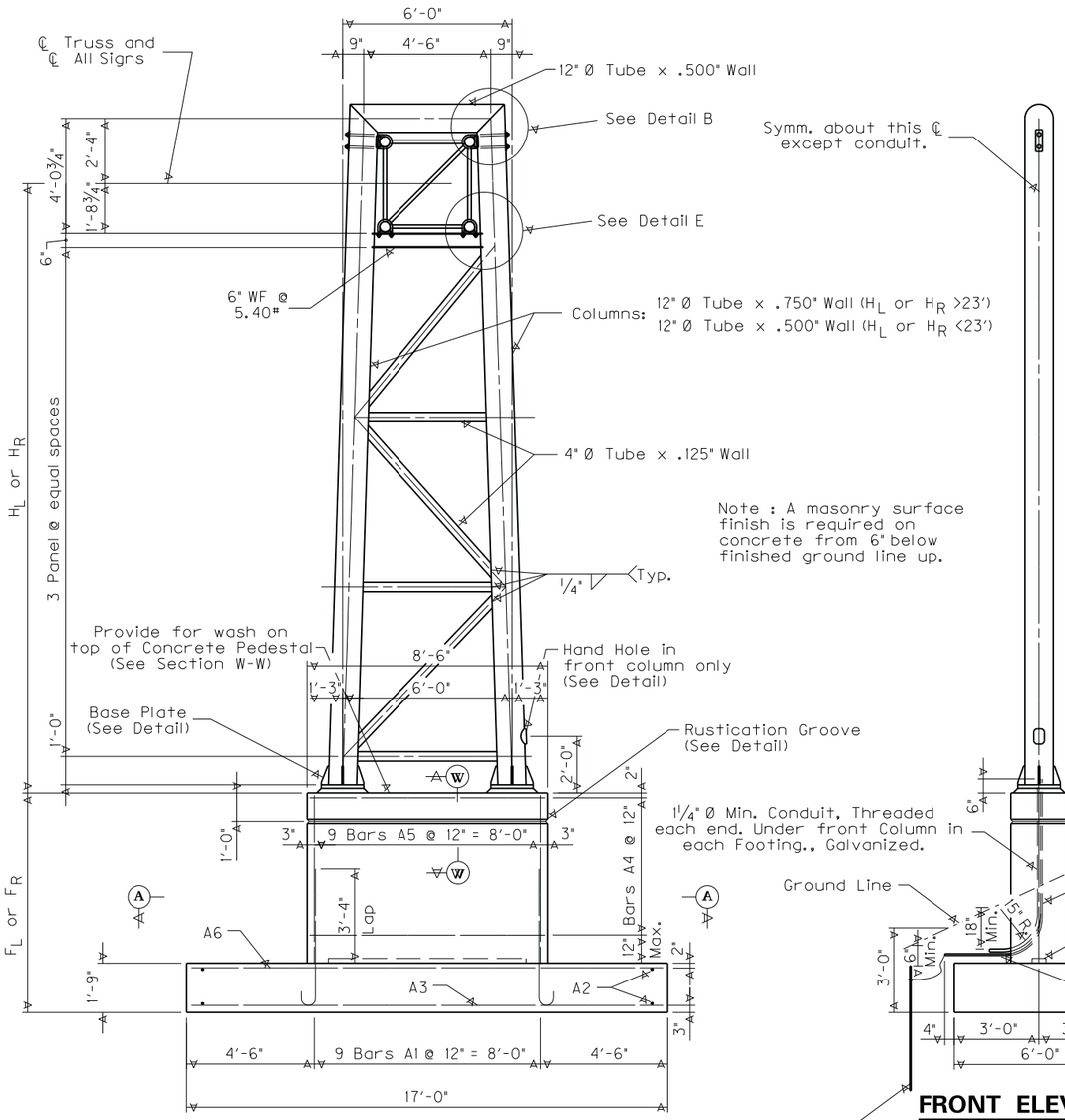
COUNTY
MARSHALL

ROUTE	CROSSING

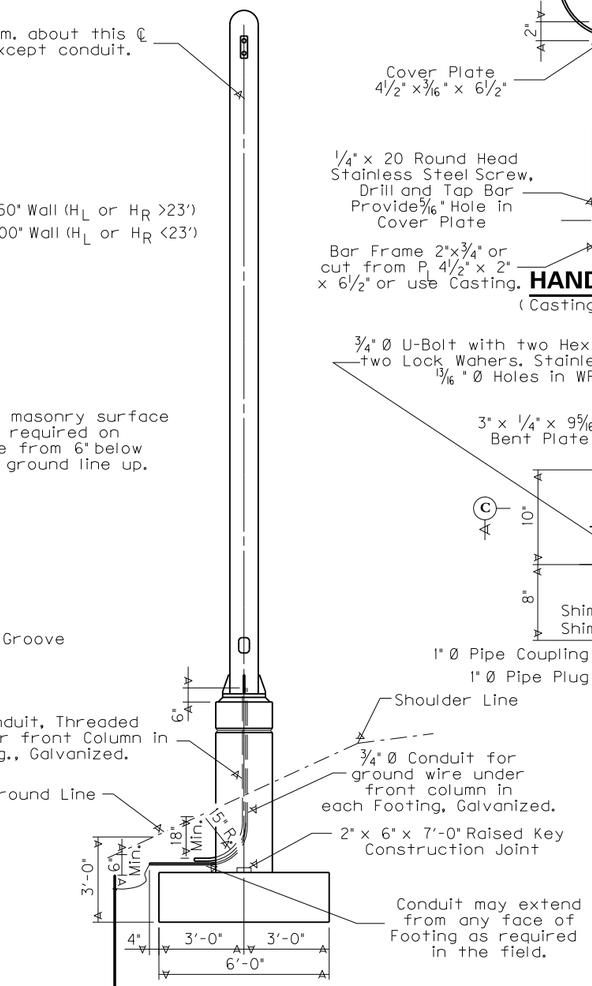
50'–70' OVERHEAD SIGN SUPPORT

ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T52
		DRAWING NO.

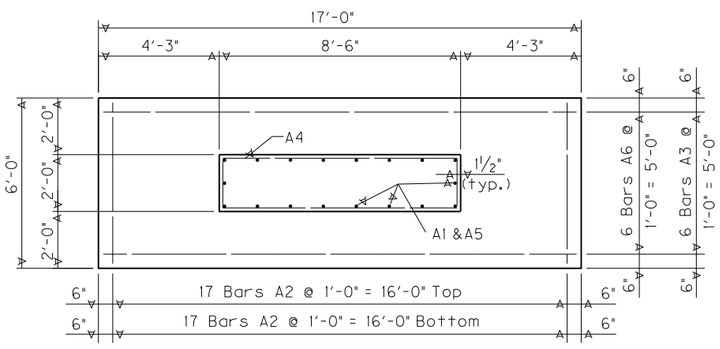
FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578



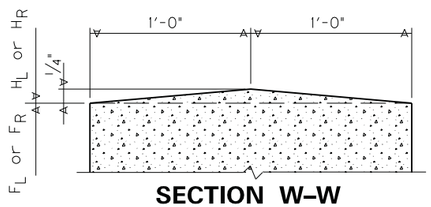
SIDE ELEVATION



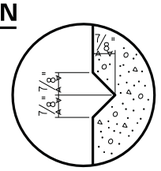
FRONT ELEVATION



SECTION A–A

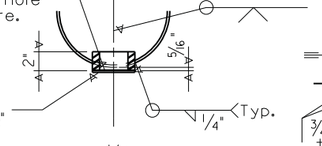


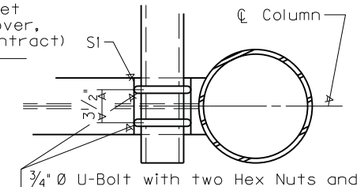
SECTION W–W
(Showing Wash)



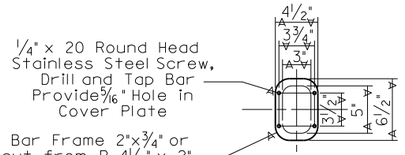
RUSTICATION GROOVE

Note:
Weld ½" x 13 Hex Nut to inside of Column opposite hand hole for ground wire.

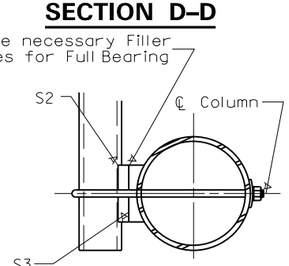




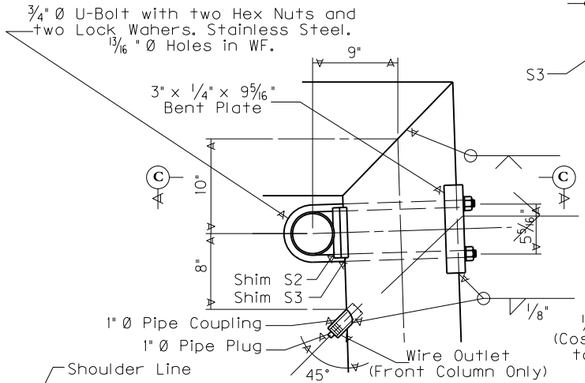
SECTION D–D



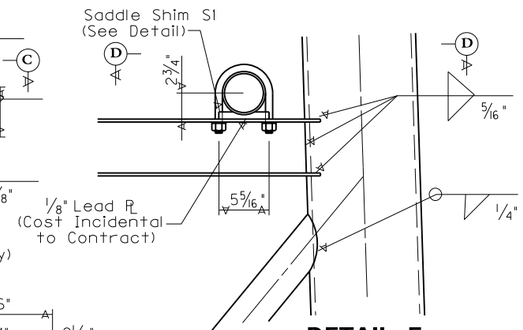
HAND HOLE DETAIL
(Casting may be used for Frame)



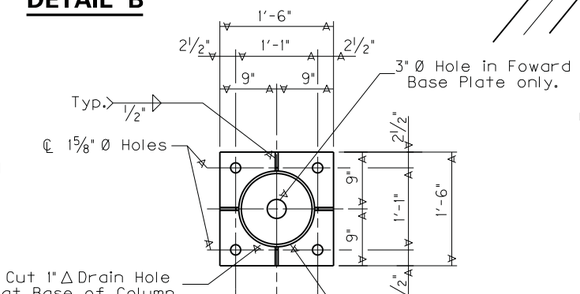
SECTION C–C



DETAIL B



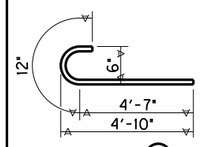
DETAIL E



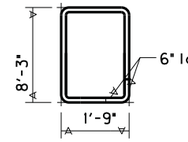
BASE PLATE DETAIL

BILL OF REINFORCEMENT FOR FOOTING

MARK	TYPE	NO.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION
A1	④	20	#6	5	7	Footing & Wall
A2	Str.	34	#5	5	8	" "
A3	Str.	6	#9	16	8	" "
A4	⑭	var.	#4	20	9	Wall
A5	Str.	20	#5	F - (1'-11")		"
A6	Str.	6	#5	16	8	Footing



TYPE ④

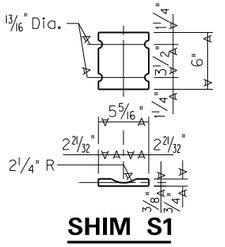


TYPE ⑭

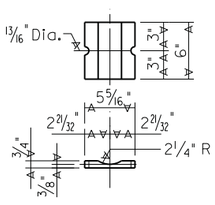
• ESTIMATE OF QUANTITIES FOR FOOTING

	Conc. Class "A"	Reinforcement
F=6'-0"	9.3 cy	967 lbs.
1' of additional Pedestal hieght	0.63 cy	35 lbs.

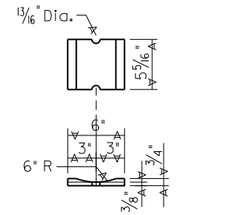
• Approx. estimate is for information only. F_L and F_R shall be determined by the Engineer in the field.



SHIM S1
(Plate or Casting)



SHIM S2
(Plate or Casting)



SHIM S3
(Plate or Casting)

REVISION	DATE

DATE: CHECKED BY
DESIGNED BY: Standard Sheet •••
DETAILED BY:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

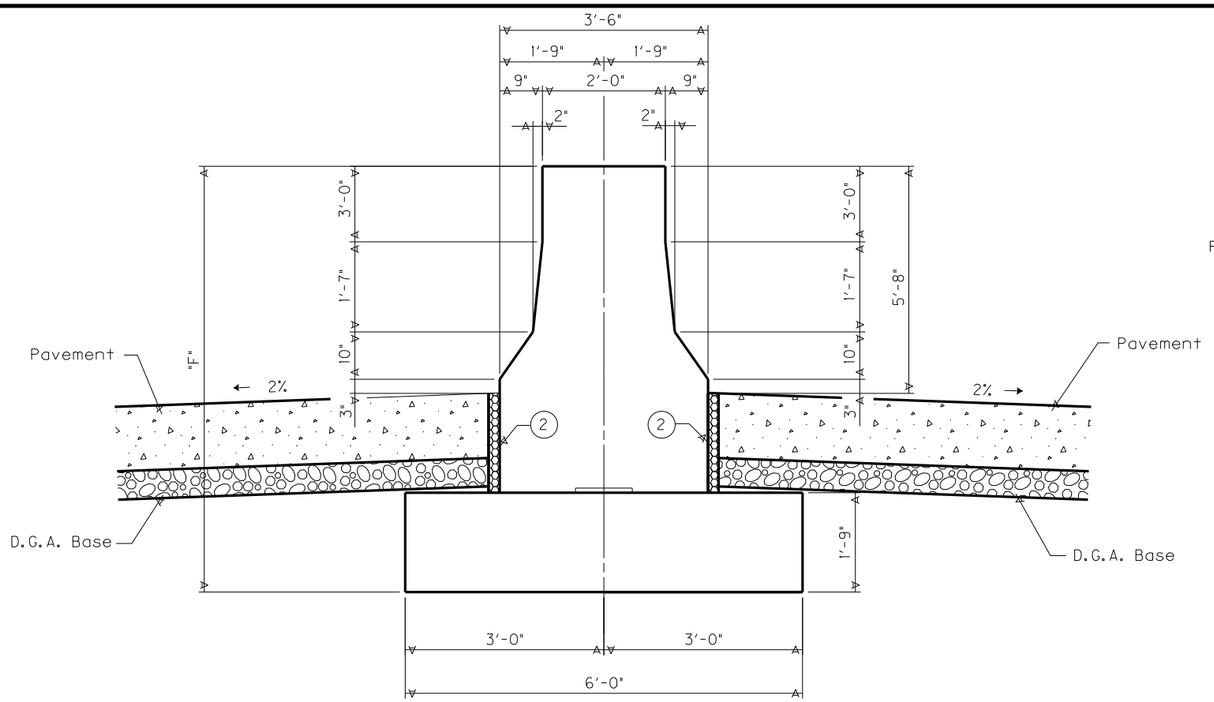
50'–70' OVERHEAD SIGN SUPPORT

ITEM NUMBER
01–800.00

PREPARED BY

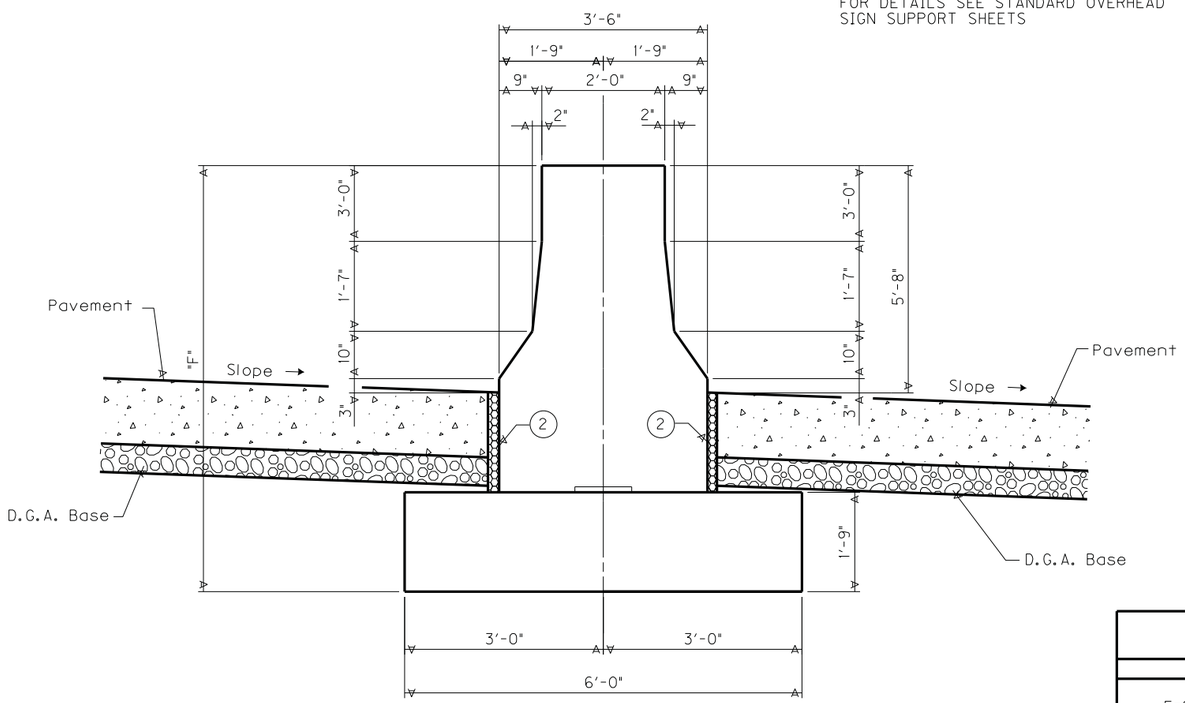
SHEET NO. T53
DRAWING NO.

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: $$$$USER$$$$ DATE PLOTTED: $$$$DATE$$$$ | FILE NAME: $$$$design$file$specification$$$$



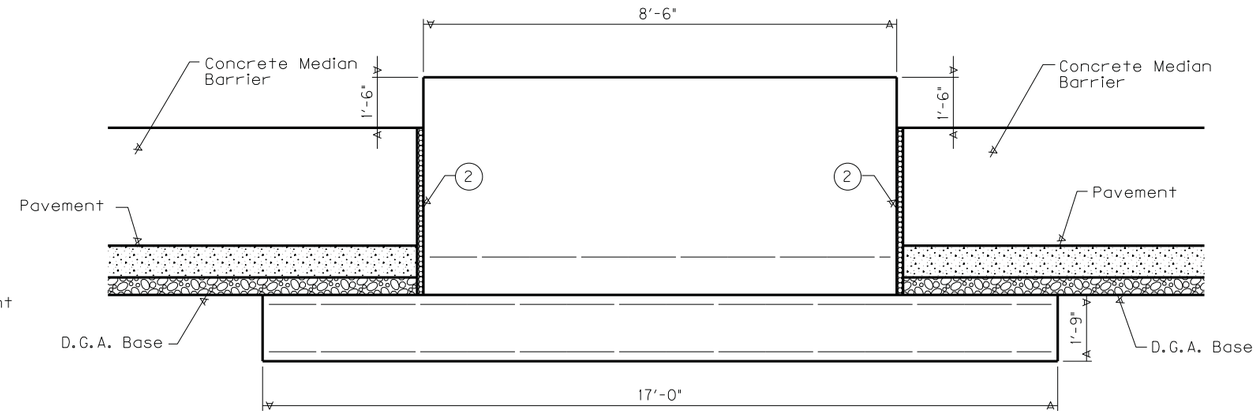
END VIEW TANGENT SECTION

NOTES:
① VARIES WITH RATE OF SUPERELEVATION
② ½" PRE-MOLD EXPANSION MATERIAL

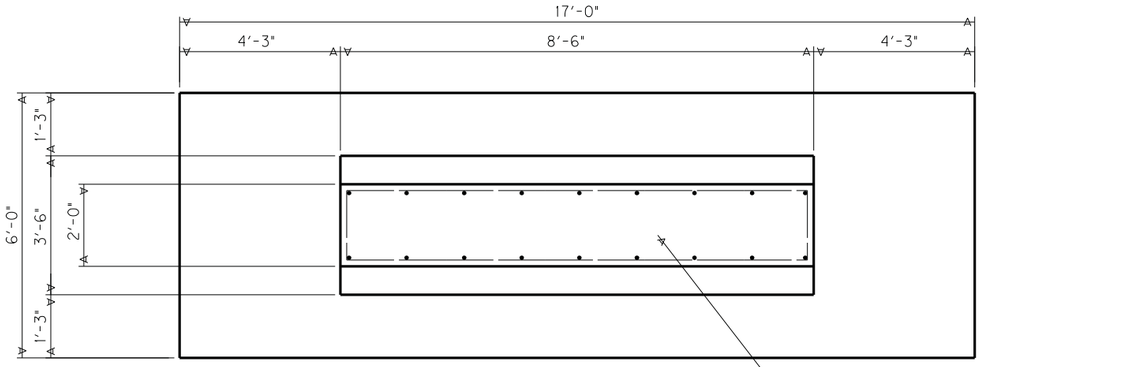


END VIEW SUPERELEVATED SECTION

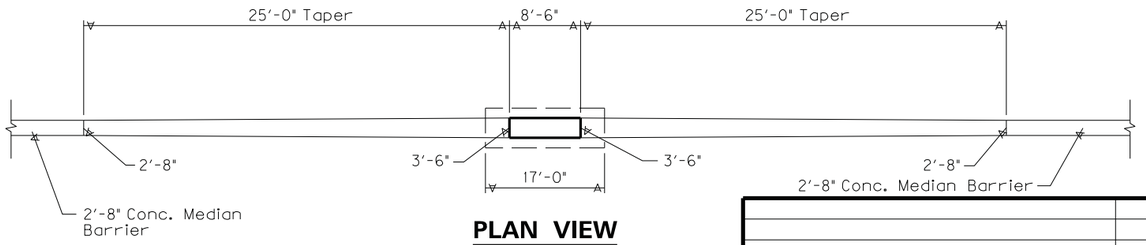
NOTE:
FOR DETAILS SEE STANDARD OVERHEAD SIGN SUPPORT SHEETS



SIDE VIEW



SIDE VIEW



PLAN VIEW

* Approx. estimate is for information only. Tabulated F shall be verified by the Engineer in the field.

• ESTIMATE OF QUANTITIES FOR MEDIAN FOOTING		
	Conc. Class "A"	
F=8'-0"	11.3 cu. yds.	
1' of additional Pedestal hieght	1.1 cu. yds.	

REVISION	DATE

DATE:
DESIGNED BY: Standard Sheet
DETAILED BY:
CHECKED BY •••

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

50'-70' OVERHEAD SIGN SUPPORT

MEDIAN BARRIER FOOTING

ITEM NUMBER
01-800.00

PREPARED BY

SHEET NO. T54
DRAWING NO.

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: $$$$USER$$$$ DATE PLOTTED: $$$$DATE$$$$ | FILE NAME: $$$$design$file$specification$$$$

GENERAL NOTES

75'–105' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

SUPERELEVATION OF ROADWAY: The Contractor shall allow for differences in elevations across the full shoulder width as shown on the Roadway Plans in maintaining the required 18 foot minimum vertical clearence to the bottom of the lowest part of the sign or support. Sign shall to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled ¾" unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS: The contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications. The Roadway Cross Section developed by the contractor is to accompany the Shop Drawings. The Shop Drawings and Roadway Cross Section will also be forwarded to the engineer for review.

FABRICATION: The aluminum sign support shall be fabricated in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the sepcifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 11/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, CAdmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
B108-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

MAXIMUM SIGN AREA: Designed for a sign area of 700 sq. ft.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

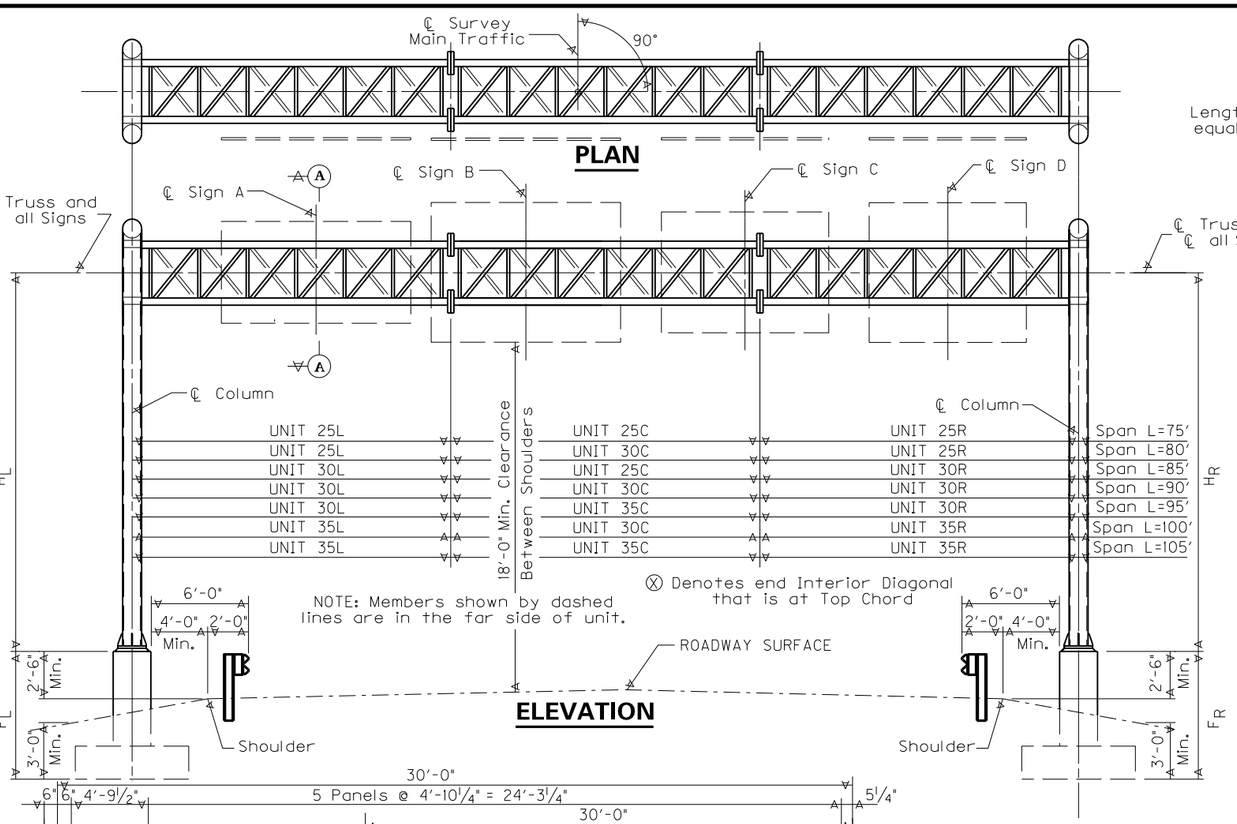
COUNTY
MARSHALL

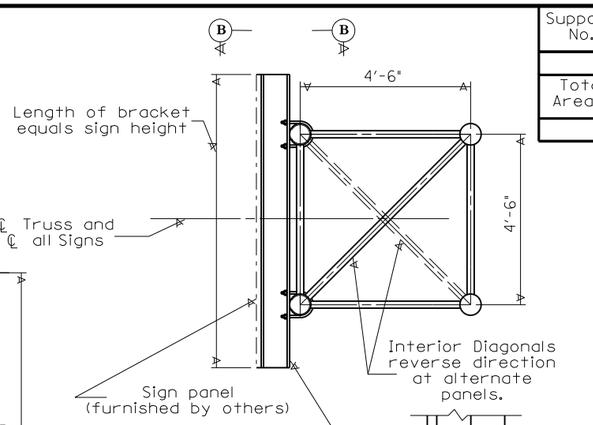
ROUTE	CROSSING

75'–105' OVERHEAD SIGN SUPPORT

ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T55
		DRAWING NO.

MicroStation v8.11.9.578
E-SHEET NAME:
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$





W6" x 4.16#	
SIGN LENGTH	REQD. NO.
0'-0" Thru 8"-0"	2
8'-1" Thru 12"-0"	3
12'-1" Thru 16"-0"	4
16'-1" Thru 20"-0"	5
20'-1" Thru 24"-0"	6

SECTION A–A

SECTION B–B

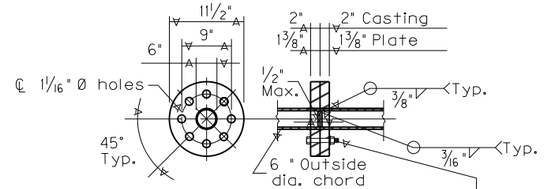
Support No.	STATION	SPAN	SUPPORT HEIGHT		FOOTING HEIGHT	
		L	H_L	H_R	F_L	F_R

Total Area**	SIGN A				SIGN B				SIGN C			
	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*
	SIGN D											
	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area*

* Area includes Exit Number Signs that are not shown.

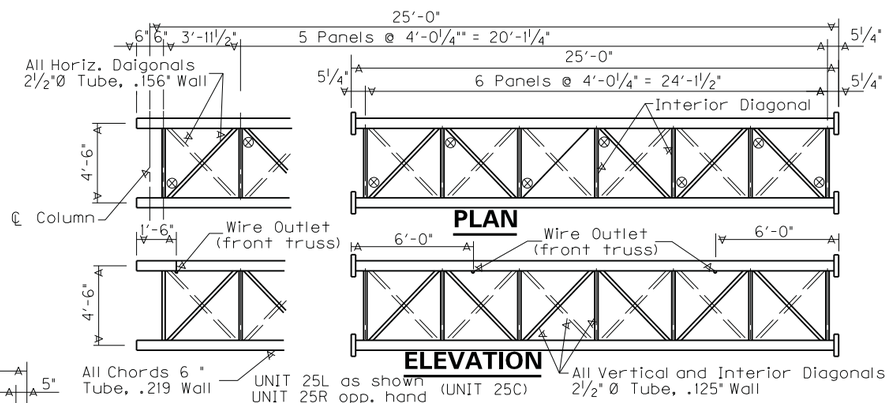
** Total Area includes the sum of all of the signs on the structure and shall not exceed 700 square feet.

A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart above based on the design cross section at the locations where the truss is to be erected, the actual signs to be used on the truss, and the instructions herein. The engineer's name is to appear in the "Checked By" box (***) of the title block on each sheet. The engineer is responsible for verifying the information based on the contractor's submitted cross sections and for reviewing the fabricator's shop drawings in detail.

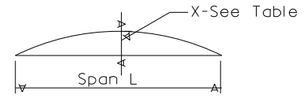


8 - 1" Ø Stainless Steel Bolts with Hex Nuts and Stainless Steel Lock Washers. (Use 1" Ø Stud Bolts when necessary to clear Diagonals or Columns.

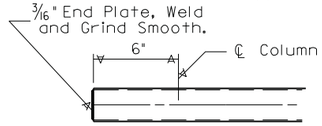
CHORD SPLICE



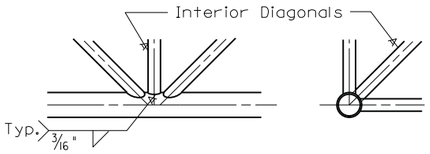
L	X
75	2¼"
80	2½"
85	2¾"
90	3"
95	3¼"
100	3½"
105	3¾"



CAMBER DIAGRAM

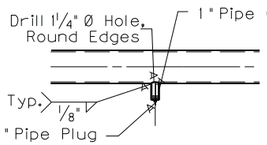


CHORD END DETAIL



TYPICAL PANEL POINT DETAIL

NOTE: All Diagonals are to be cut and ground to fit snugly before welding.



WIRE OUTLET DETAIL

REVISION	DATE

DATE:

CHECKED BY

DESIGNED BY: Standard Sheet ***

DETAILED BY:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

75'–105' OVERHEAD SIGN SUPPORT

PREPARED BY

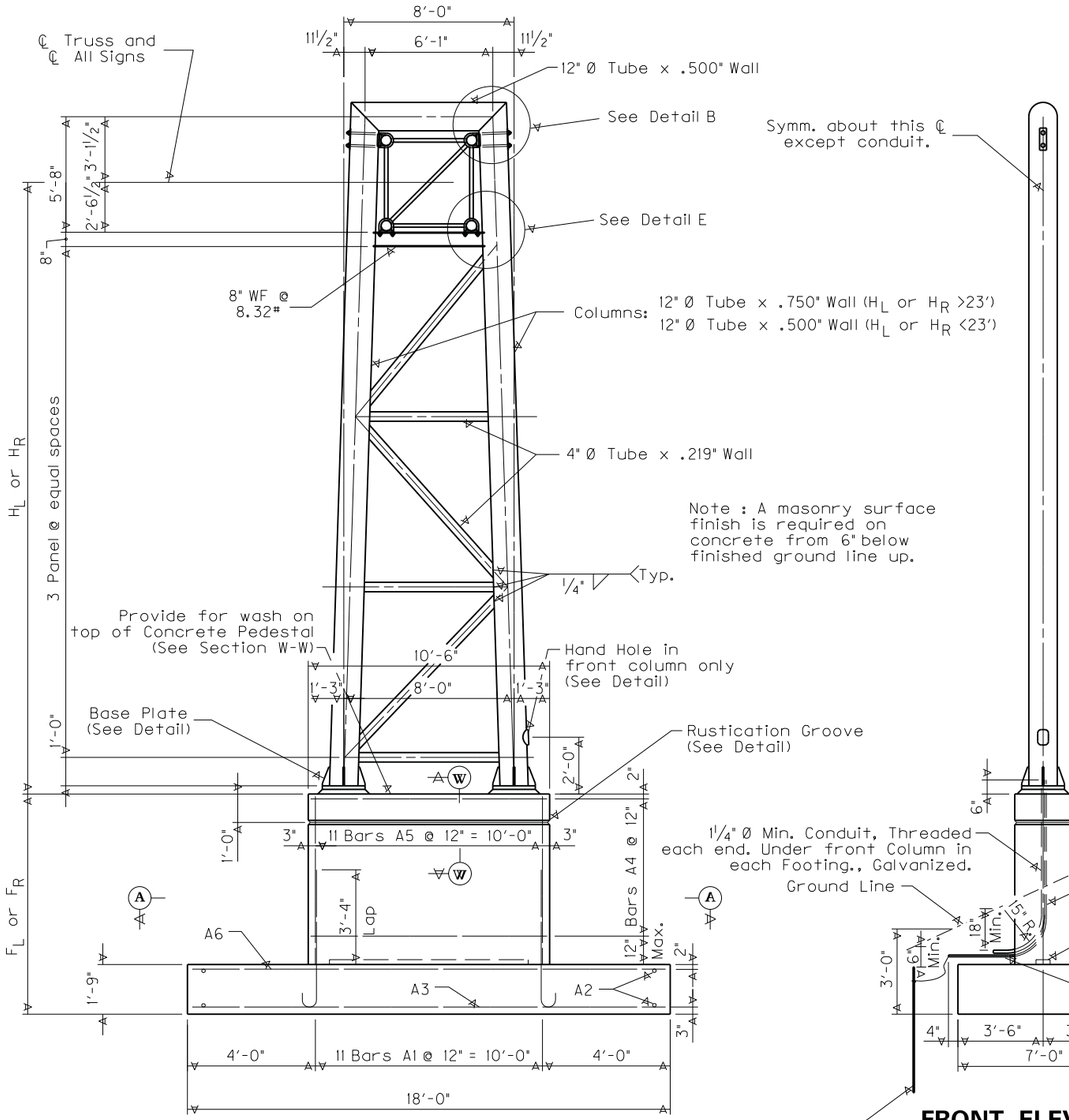
SHEET NO. T56

DRAWING NO.

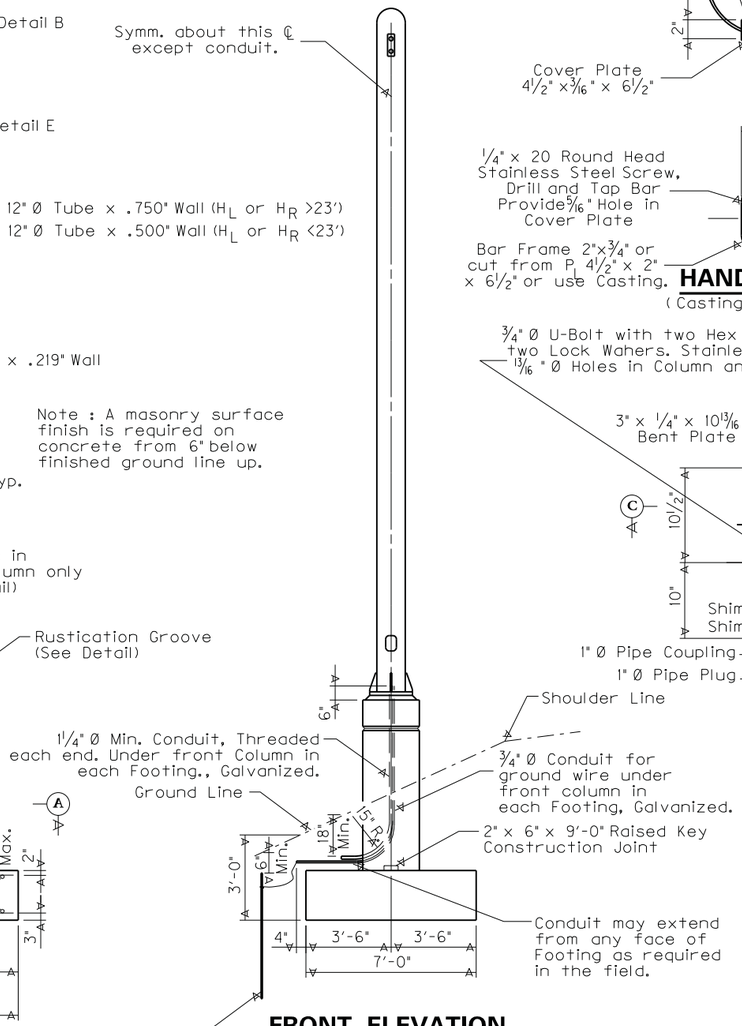
ITEM NUMBER

01–800.00

FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578

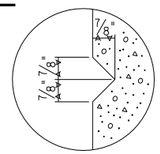


SIDE ELEVATION

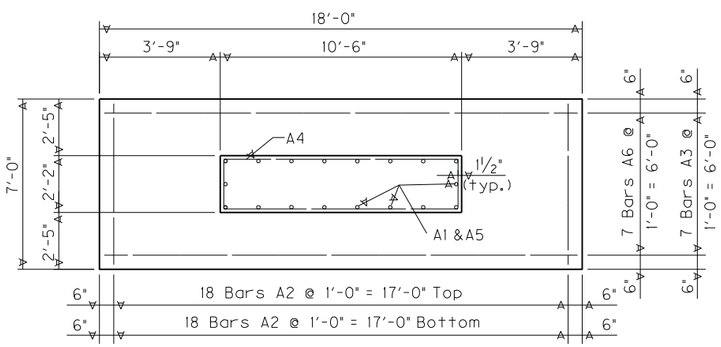


FRONT ELEVATION

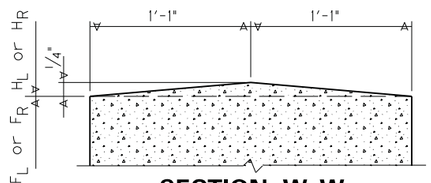
½" Ø x 8'-0" Copper Weld Ground Rod at each Footing



RUSTICATION GROOVE

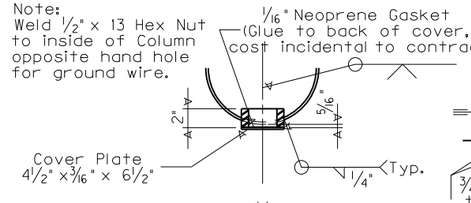


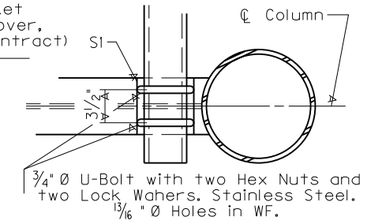
SECTION A–A



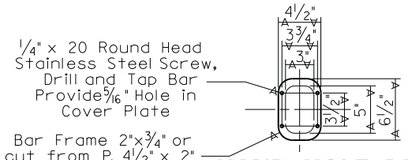
SECTION W–W
(Showing Wash)

Note:
Weld ½" x 13 Hex Nut to inside of Column opposite hand hole for ground wire.

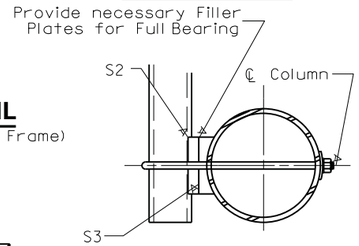




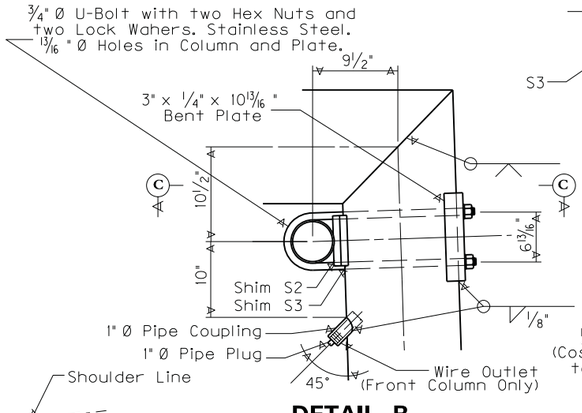
SECTION D–D



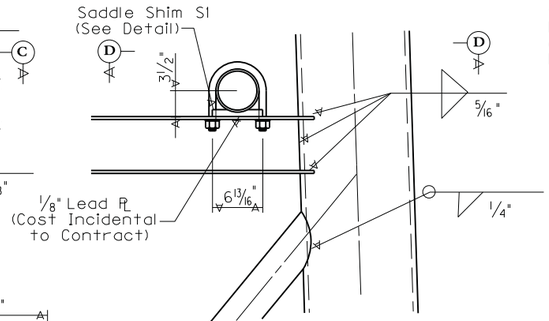
HAND HOLE DETAIL
(Casting may be used for Frame)



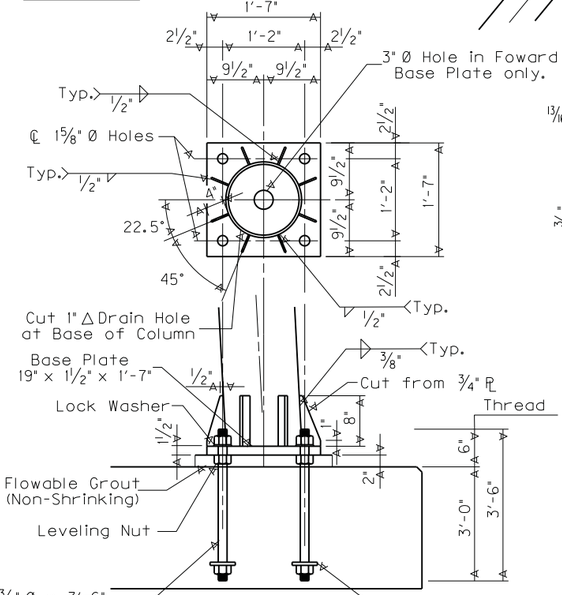
SECTION C–C



DETAIL B



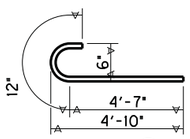
DETAIL E



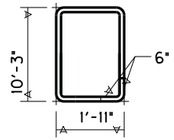
BASE PLATE DETAIL

BILL OF REINFORCEMENT FOR FOOTING

MARK	TYPE	NO.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION
A1	4	24	#6	5	7	Footing & Wall
A2	Str	36	#5	6	7	Footing & Wall
A3	Str	7	#8	17	7	Footing & Wall
A4	14	var.	#4	25	1	Wall
A5	Str	24	#5	F - 1'-11"		Wall
A6	Str	7	#5	17	8	Footing



TYPE (4)

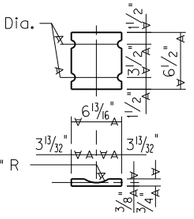


TYPE (14)

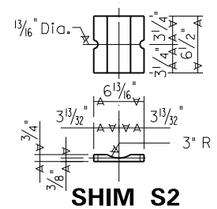
• ESTIMATE OF QUANTITIES FOR FOOTING

	Conc. Class "A"	Reinforcement
F=6'-0"	11.7 Cu.Yd.	1097 lbs.
1' of additional Pedestal height	0.8 Cu.Yd.	42 lbs.

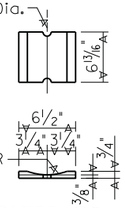
• Approx. estimate is for information only. F_L and F_R shall be determined by the Engineer in the field.



SHIM S1
(Plate or Casting)



SHIM S2
(Plate or Casting)



SHIM S3
(Plate or Casting)

REVISION	DATE
DATE:	CHECKED BY
DESIGNED BY: Standard Sheet •••	
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

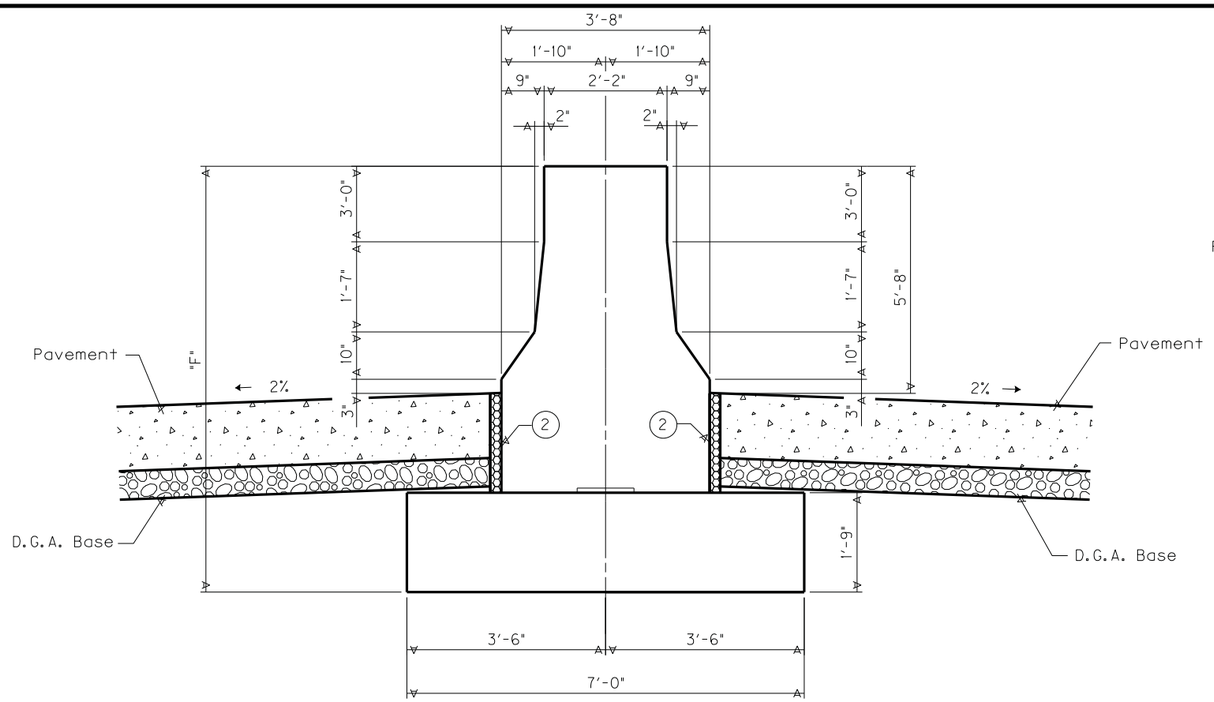
COUNTY
MARSHALL

ROUTE | CROSSING

75'–105' OVERHEAD SIGN SUPPORT

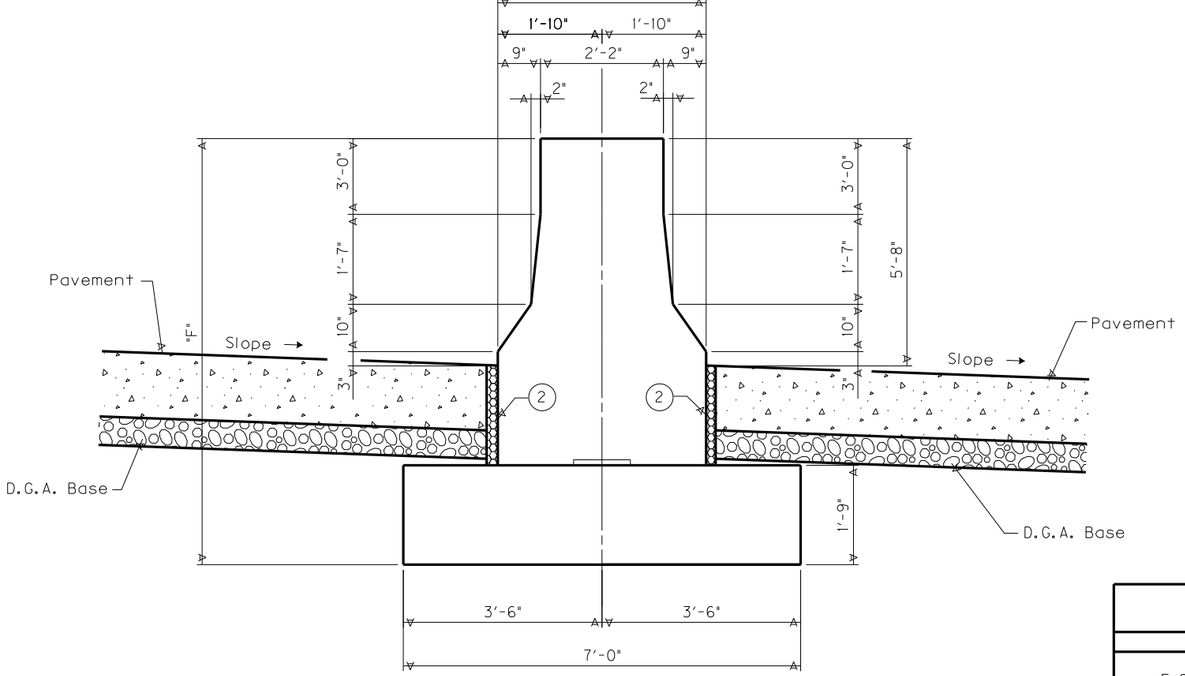
ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T57
		DRAWING NO.

FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578



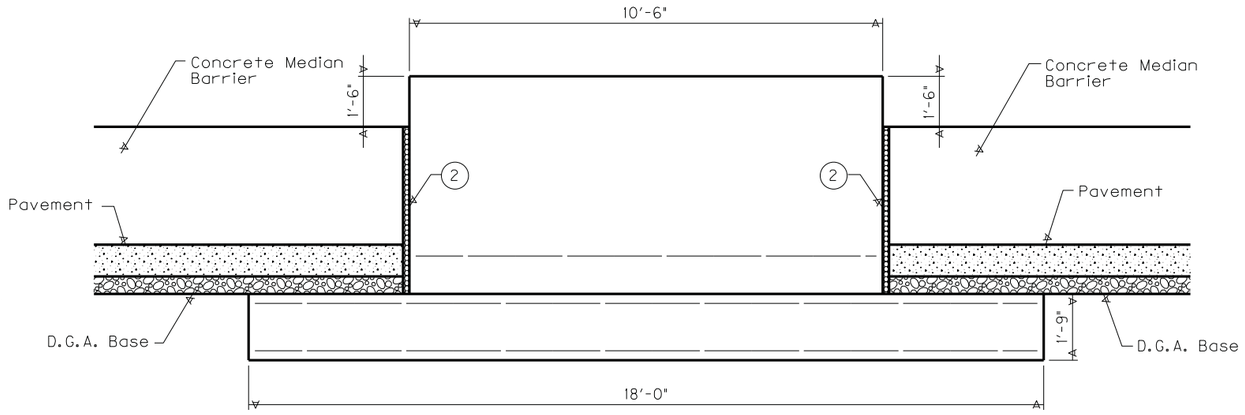
END VIEW TANGENT SECTION

NOTES:
① VARIES WITH RATE OF SUPERELEVATION
② ½" PRE-MOLD EXPANSION MATERIAL

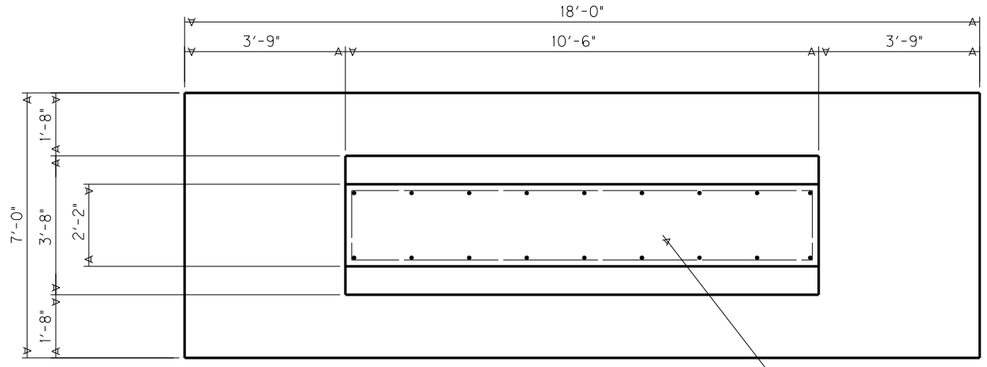


END VIEW SUPERELEVATED SECTION

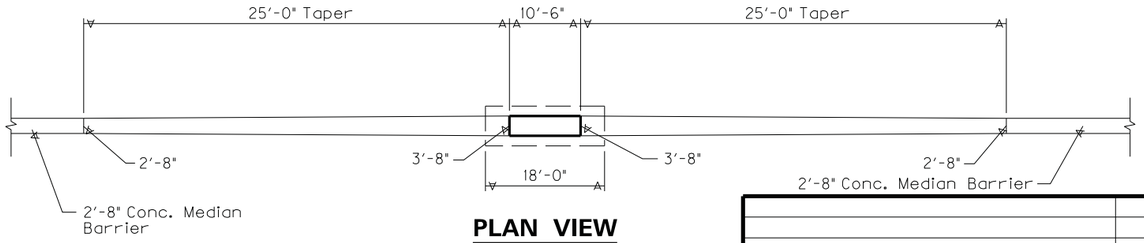
NOTE:
FOR DETAILS SEE STANDARD OVERHEAD SIGN SUPPORT SHEETS



SIDE VIEW



SIDE VIEW



PLAN VIEW

* Approx. estimate is for information only. Tabulated F shall be verified by the Engineer in the field.

• ESTIMATE OF QUANTITIES FOR MEDIAN FOOTING		
	Conc. Class "A"	
F=8'-0"	14.3 cu. yds.	
1' of additional Pedestal hieght	1.4 cu. yds.	

REVISION	DATE
DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

75'–105' OVERHEAD SIGN SUPPORT

MEDIAN BARRIER FOOTING

ITEM NUMBER
01–800.00

PREPARED BY

SHEET NO. T58

DRAWING NO.

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: $$$$USER$$$$ DATE PLOTTED: $$$$DATE$$$$ | FILE NAME: $$$$design$file$specification$$$$

GENERAL NOTES

110'–140' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

SUPERELEVATION OF ROADWAY: The Contractor shall allow for differences in elevations across the full shoulder width as shown on the Roadway Plans in maintaining the required 18 foot minimum vertical clearence to the bottom of the lowest part of the sign or support. Sign shall to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled ¾" unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS: The contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications. The Roadway Cross Section developed by the contractor is to accompany the Shop Drawings. The Shop Drawings and Roadway Cross Section will also be forwarded to the engineer for review.

FABRICATION: The aluminum sign support shall be fabricated in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the sepcifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 11/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, CAdmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
B108-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

MAXIMUM SIGN AREA: Designed for a sign area of 800 sq. ft.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE	CROSSING

110'–140' OVERHEAD SIGN SUPPORT

ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T59
		DRAWING NO.

MicroStation v8.11.9.578
E-SHEET NAME:
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
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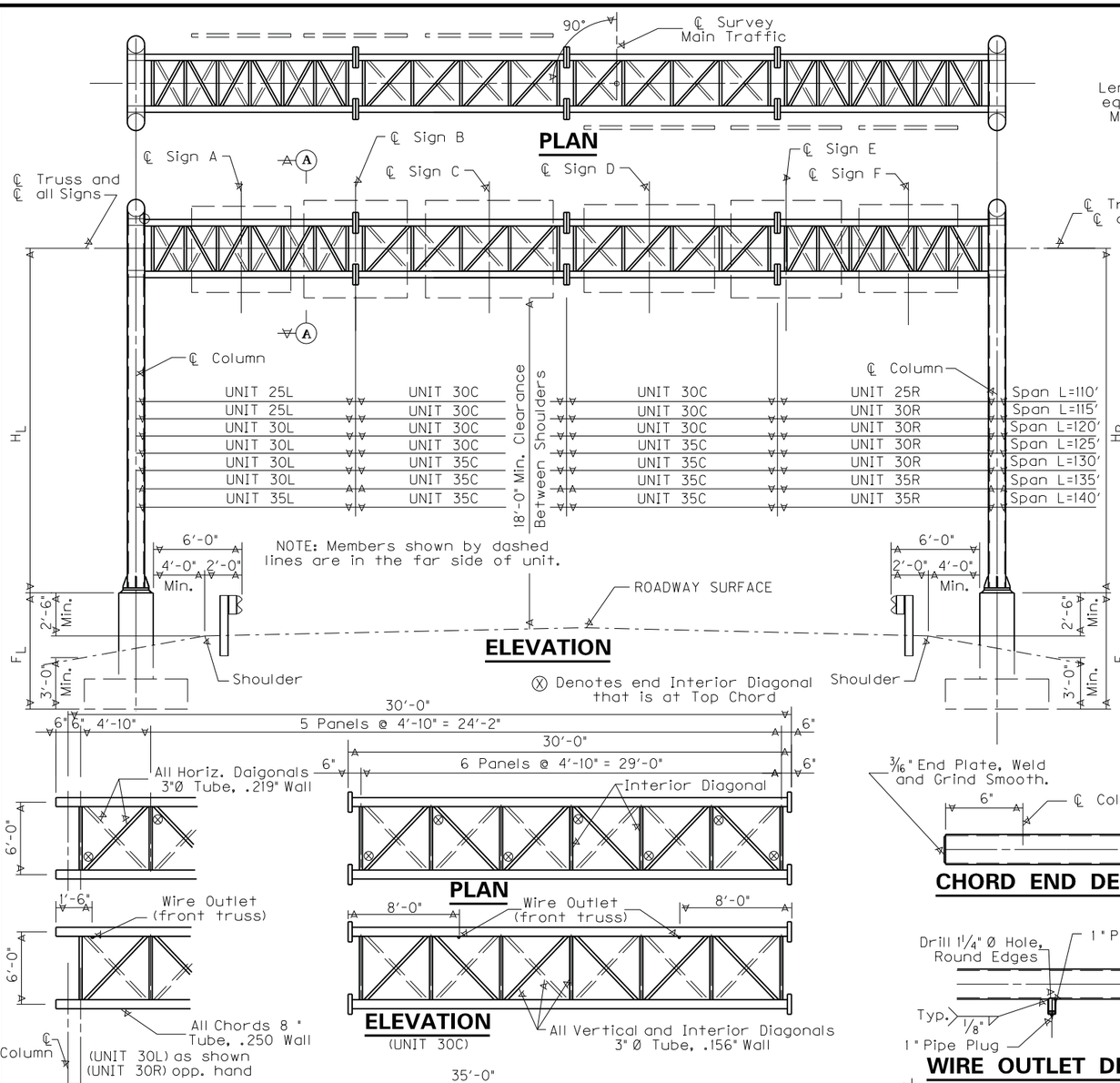
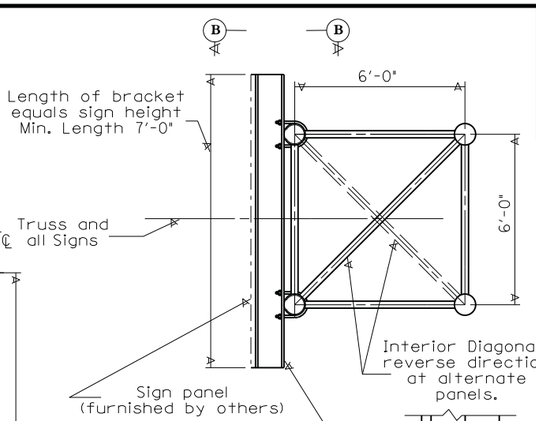
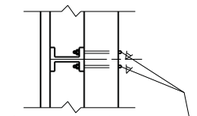


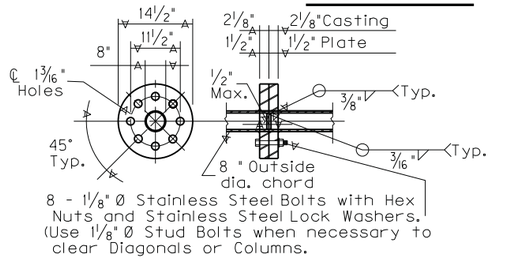


W6" x 4.16#	
SIGN LENGTH	REQD. NO.
0'-0" Thru 8"-0"	2
8'-1" Thru 12"-0"	3
12'-1" Thru 16"-0"	4
16'-1" Thru 20"-0"	5
20'-1" Thru 24"-0"	6

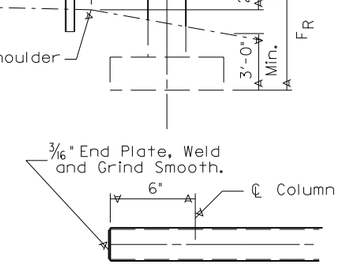
SECTION A–A



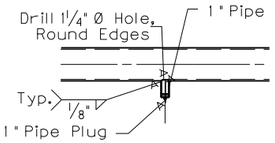
SECTION B–B



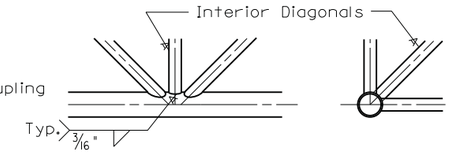
CHORD SPLICE



CHORD END DETAIL

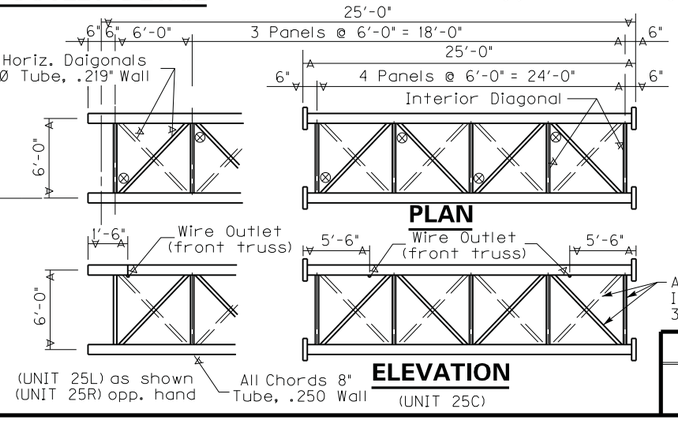


WIRE OUTLET DETAIL



TYPICAL PANEL POINT DETAIL

NOTE: All Diagonals are to be cut and ground to fit snugly before welding.



Support No.	STATION	SPAN	SUPPORT HEIGHT		FOOTING HEIGHT	
		L	H_L	H_R	F_L	F_R

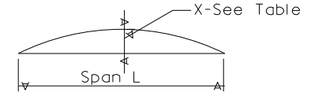
Total Area**	SIGN A				SIGN B				SIGN C			
	I.D.	Horiz.	Vert.	Area*	I.D.	Horiz.	Vert.	Area	I.D.	Horiz.	Vert.	Area
	SIGN D				SIGN E				SIGN F			
	I.D.	Horiz.	Vert.	Area	I.D.	Horiz.	Vert.	Area	I.D.	Horiz.	Vert.	Area

* Area includes Exit Number Signs that are not shown.

** Total Area includes the sum of all of the signs on the structure and shall not exceed 800 square feet.

A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart above based on the design cross section at the locations where the truss is to be erected, the actual signs to be used on the truss, and the instructions herein. The engineer's name is to appear in the "Checked By" box (•••) of the title block on each sheet. The engineer is responsible for verifying the information based on the contractor's submitted cross sections and for reviewing the fabricator's shop drawings in detail.

L	X
110	4"
115	4¼"
120	4½"
125	4¾"
130	5"
135	5¼"
140	5½"



CAMBER DIAGRAM

REVISION	DATE

DATE: CHECKED BY

DESIGNED BY: Standard Sheet •••

DETAILED BY:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

110'–140' OVERHEAD SIGN SUPPORT

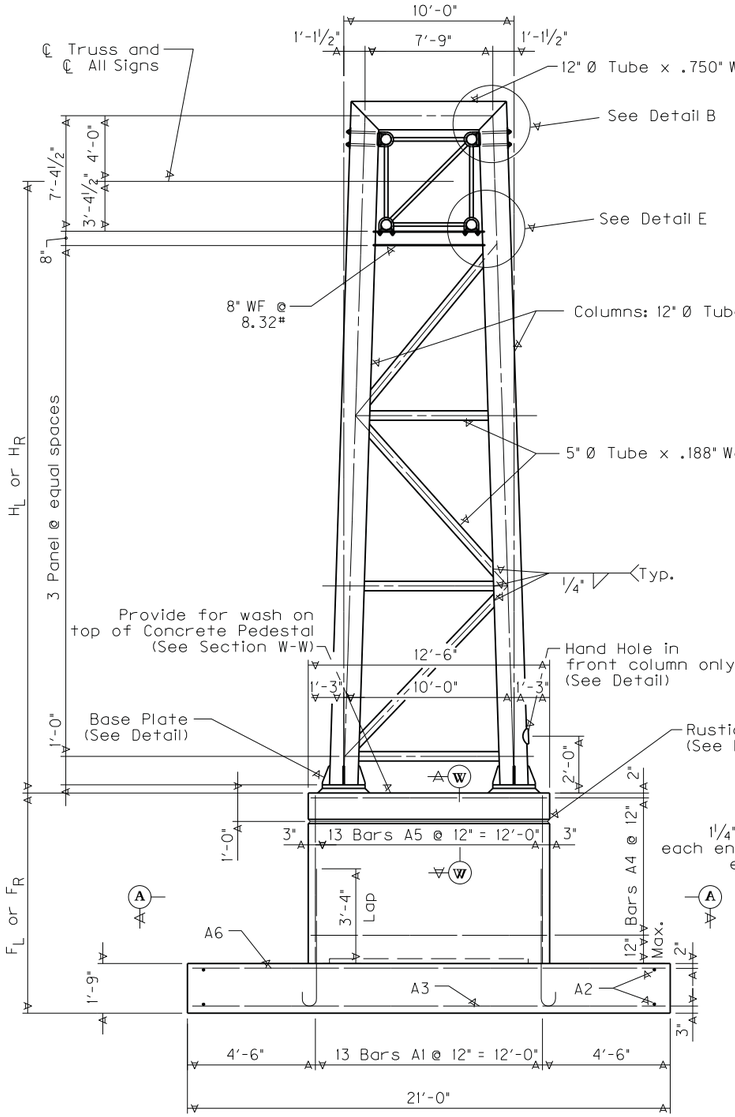
ITEM NUMBER
01–800.00

PREPARED BY

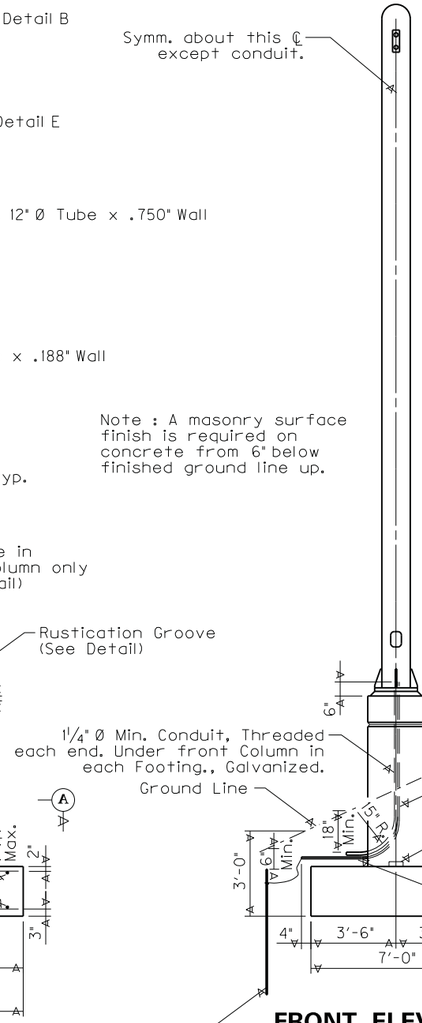
SHEET NO. T60

DRAWING NO.

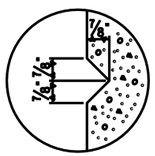
FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578



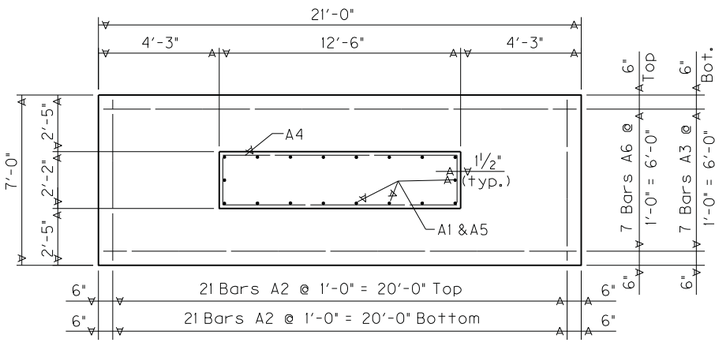
SIDE ELEVATION



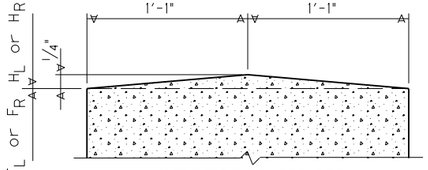
FRONT ELEVATION



RUSTICATION GROOVE

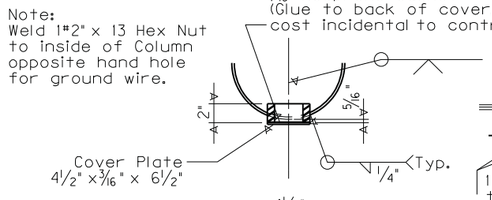


SECTION A–A

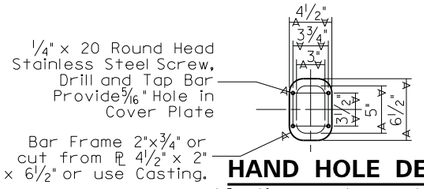


SECTION W–W
(Showing Wash)

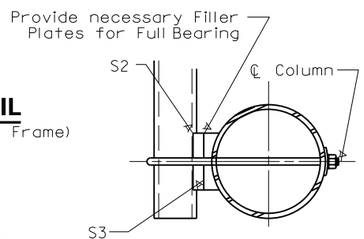
Note:
Weld 1"Ø x 13 Hex Nut to inside of Column opposite hand hole for ground wire.



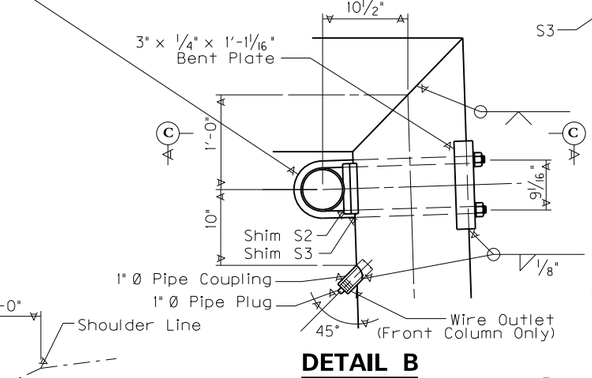
SECTION D–D



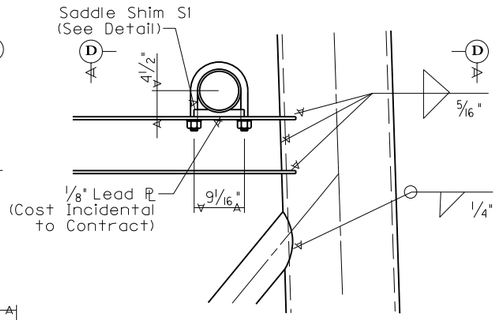
HAND HOLE DETAIL
(Casting may be used for Frame)



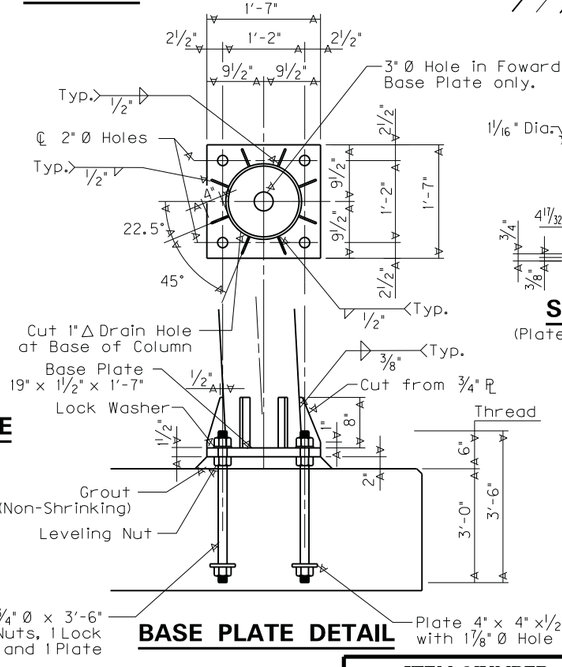
SECTION C–C



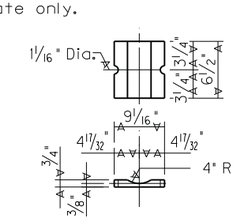
DETAIL B



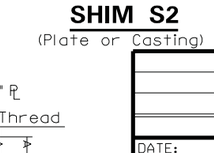
DETAIL E



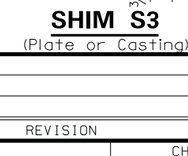
BASE PLATE DETAIL



SHIM S1
(Plate or Casting)



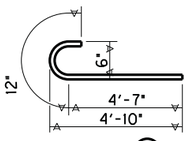
SHIM S2
(Plate or Casting)



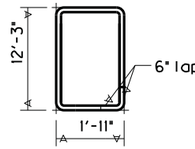
SHIM S3
(Plate or Casting)

BILL OF REINFORCEMENT FOR FOOTING

MARK	TYPE	NO.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION
A1	4	28	#6	5	7	Footing & Wall
A2	Str	42	#5	6	8	Footing & Wall
A3	Str	7	#9	20	8	Footing & Wall
A4	14	Var	#4	29	1	Wall
A5	Str	28	#5	F - 1'-11"		Wall
A6	Str	7	#5	20	8	Footing



TYPE (4)



TYPE (14)

• ESTIMATE OF QUANTITIES FOR FOOTING

	Conc. Class "A"	Reinforcement
F=6'-0"	13.8 Cu.Yds.	1386 lbs.
1' of additional Pedestal hieght	1.0 Cu.Yds.	49 lbs.

• Approx. estimate is for information only. FL and FR shall be determined by the Engineer in the field.

REVISION	DATE

DATE: CHECKED BY

DESIGNED BY: Standard Sheet •••

DETAILED BY:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

110'–140' OVERHEAD SIGN SUPPORT

ITEM NUMBER
01–800.00

PREPARED BY

SHEET NO. T61

DRAWING NO.

FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578

GENERAL NOTES

GALVANIZED CANTILEVER (MODIFIED)

SPECIFICATIONS

All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN

Designed in Accordance with Specifications for the Design and Construction of Structural Supports for Highway Signs published by AASHTO, 1968 with the Wind Reduced to 80 MPH. in Accordance with IM 40-1-69 of The Federal Highway Administration.

SUPERELEVATION OF ROADWAY

The Contractor shall allow for differences in elevation across the full shoulder width as shown on the Roadway Plans in Maintaining the required 18 foot minimum vertical clearance to the bottom of the lowest part of the sign or support. Sign to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE

Class "A" Concrete is to be used throughout.

BEVELED EDGES

All exposed concrete edges are to be Beveled ¾" unless otherwise shown.

REINFORCEMENT

Dimensions from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS

The Contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications. The Roadway Cross Section developed by the contractor is to accompany the Shop Drawings. The Shop Drawings and Roadway Cross Section will also be forwarded to the engineer for review

FABRICATION

The sign support shall be fabricated in accordance with the specifications. All metal components of the support except the stainless steel hardware shall be Hot-Dip galvanized after all fabrication has been completed. The galvanized material shall be loaded, hauled and handled in such a manner that the galvanizing will not be damaged. All abraded and damaged surfaces shall be galvanized or repaired by painting with coats of Zinc Oxide, Zinc Dust paint conforming to the requirements of Federal Specification MIL-P-15145. The paint is to be properly compounded in a suitable vehicle in the ratio of one part Zinc Oxide to four parts Zinc Dust, by weight. All repairs are to be as Directed by the Engineer.

MILL TEST REPORTS

Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the Specifications.

WELDING SPECIFICATION

All Welding and Welding Materials, except for reinforcement, shall conform to "Joint Specification ANSI/AASHTO/AWS D1. 5-2010 Bridge Welding Code."

MATERIAL SPECIFICATIONS

The following ASTM designations shall govern all materials used.

ASTM	Material
A53	Grade B Steel Pipe Galvanized in accordance with ASTM-123
A36	Structural Shapes, Plates, Bars and Anchor Bolts, Galvanized in accordance with ASTM A-123
A320	Stainless Steel Hardware - Nuts, Bolts, Washers and Screws.
A106	Grade B Seamless Carbon Steel Pipe Galvanized in accordance with ASTM A-123, may be used for pipe less than 2"Ø.
A27	Carbon Steel Casting, Grade 70-36

FOOTINGS

The Footings shall be poured against undisturbed Earth and is designed to transfer no more than 1½Tons Per Square Foot Bearing Pressure to the soil under any design loading condition.

VERTICAL DIMENSIONS

Vertical Dimension H shall not exceed 27' and the combined Dimensions H + F shall not exceed 36'.

ROADWAY CROSS SECTION

The Contractor shall take field measurments at each Sign location and develop a cross section showing the Sign footing Heights and Elevations, Sign clearance above the roadway and Column heights. These cross sections shall be submitted to the engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Sections". A copy of these cross sections shall also accompany the Shop Drawings.

MAXIMUM SIGN AREA

Designed for a sign area of 250 sq. ft.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE	CROSSING

ITEM NUMBER	PREPARED BY	SHEET NO.
01-800.00		T62
		DRAWING NO.

MicroStation v8.11.9.578
E-SHEET NAME:
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
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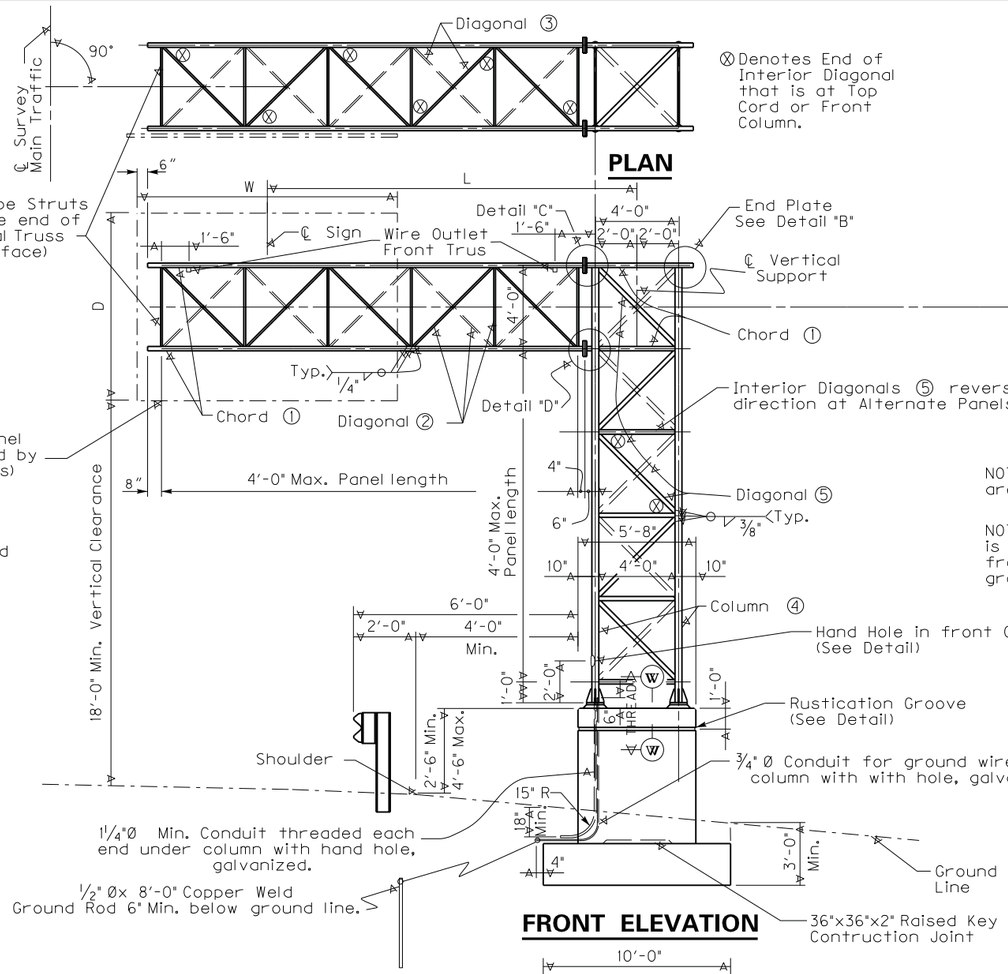
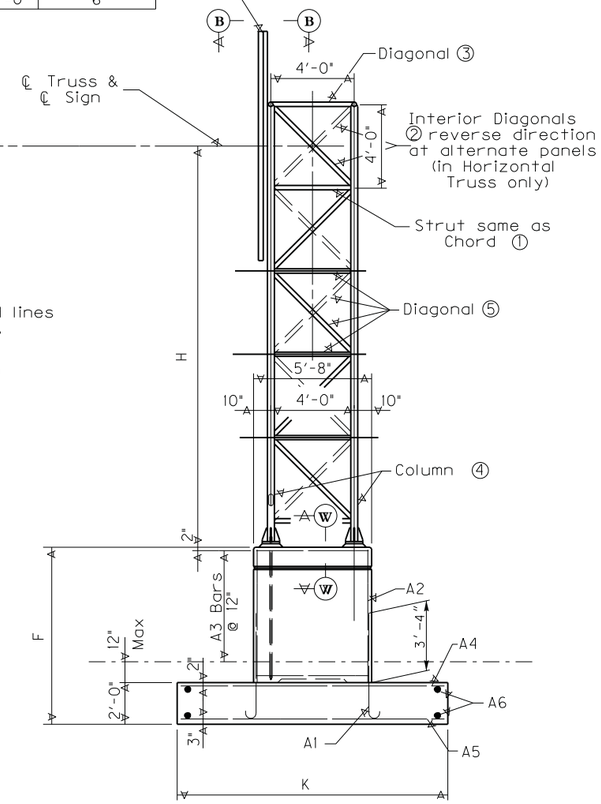


FRONT ELEVATION

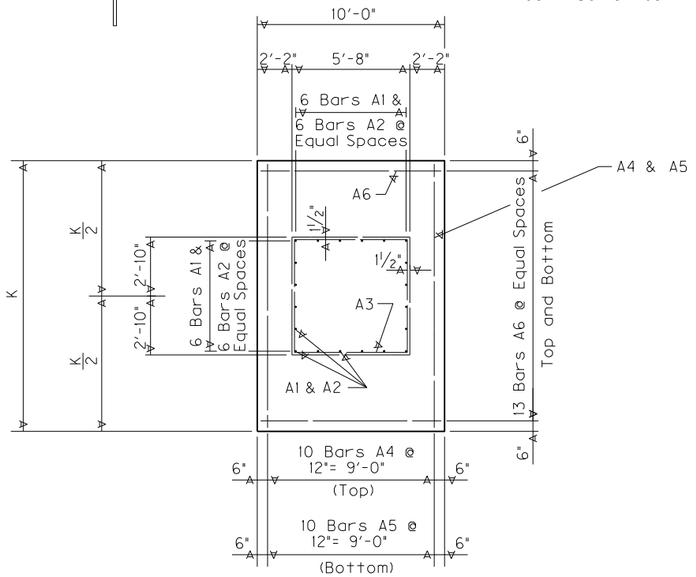
W6" x 8.5#	
SIGN LENGTH	REQD. NO.
0'-0" Thru 8"-0"	2
8'-1" Thru 12"-0"	3
12'-1" Thru 16"-0"	4
16'-1" Thru 20"-0"	5
20'-1" Thru 24"-0"	6

NOTE: Members shown by dashed lines are in the far side of the unit.

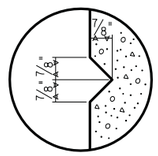
NOTE: A Masonry surface finish is required on concrete from 6" below finish ground line up.



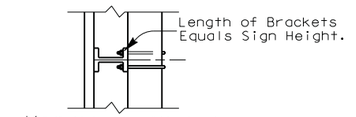
END ELEVATION



SECTION A–A



RUSTICATION GROOVE



SECTION B–B

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

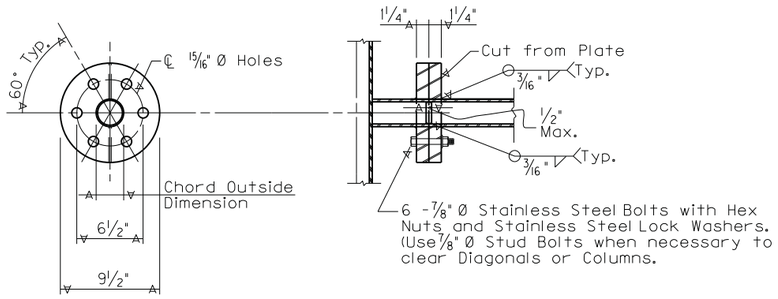
COUNTY
MARSHALL

ROUTE	CROSSING

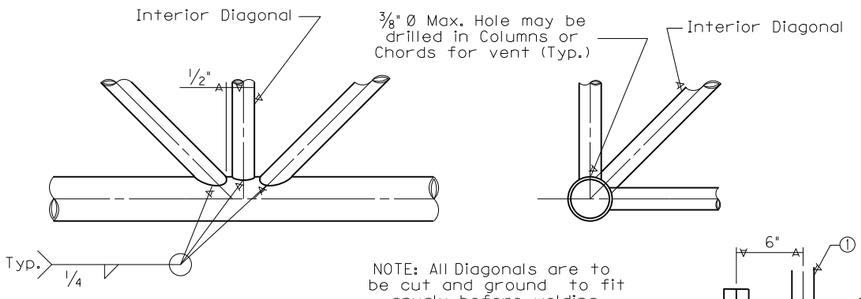
ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T63
		DRAWING NO.

FILE NAME: $$$$design$files$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578

FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578

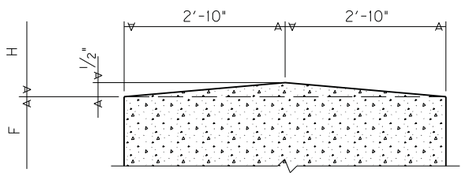


CHORD SPLICE



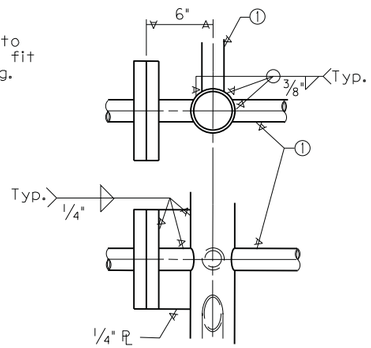
NOTE: All Diagonals are to be cut and ground to fit snugly before welding.

TYPICAL PANEL POINT DETAIL

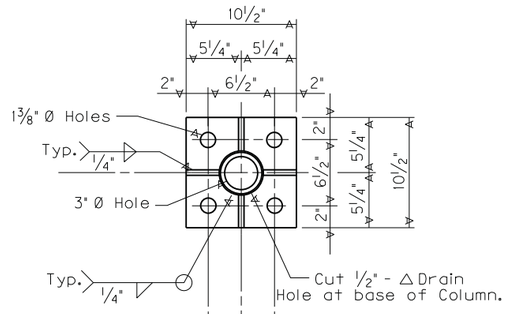


SECTION W-W

(Showing Wash)

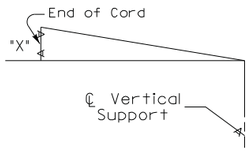


DETAIL - D



BASE PLATE DETAIL

L	X
21	1 1/2"
18	1 1/4"
15	1"

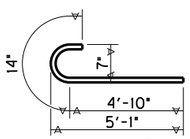


CAMBER DIAGRAM

* Approx. estimate is for information only. Tabulated F shall be verified by the Engineer in the field.

BILL OF REINFORCEMENT FOR FOOTING

MARK	TYPE	NO.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION
A1	4	20	#7	6	0	Footing & Pedestal
A2	Str	20	#5	F - 2'-2"		Pedestal
A3	14	var.	#4	22	5	Pedestal
A4	Str	10	#5	K - 4"		Footing
A5	Str	10	#8	K - 4"		Footing
A6	Str	26	#6	9	8	Footing



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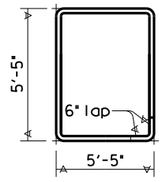
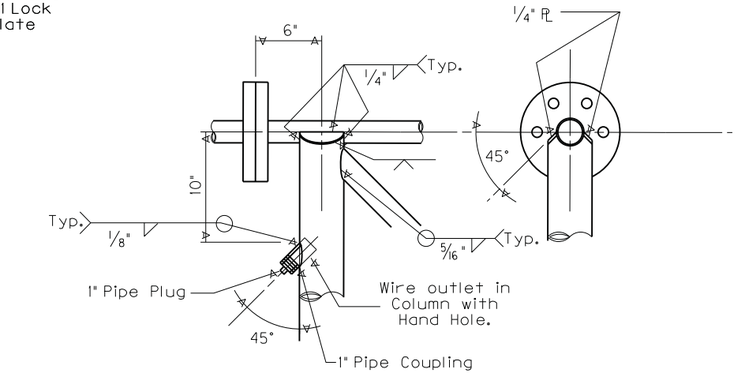


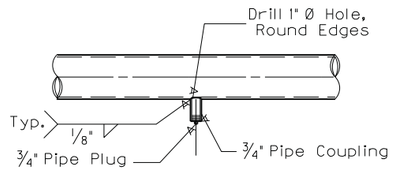
TYPE (14)

• ESTIMATE OF QUANTITIES FOR FOOTING

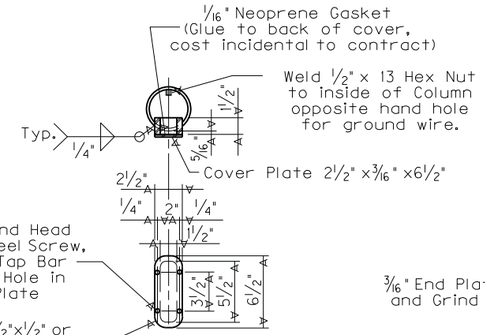
		Conc. Class "A"	Reinforcement
F=6'-0"	K = 15'	15.8 cu. yds.	1304 lbs.
1' of additional Pedestal hieght		1.2 cu. yds.	36 lbs.



DETAIL - C

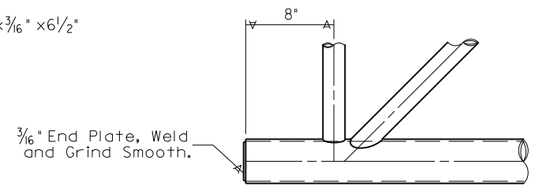


WIRE OUTLET DETAIL



HAND HOLE DETAIL

(Casting may be used for Frame)



CHORD END DETAIL

SUPPORT NO.	STATION	H ①	F ①	SIGN NO.	SIGN L	SIGN HORIZ. W	SIGN VERT. D	SIGN AREA* DxW

MAX SIGN AREA	L	CHORD ①	DIAGONAL ②	DIAGONAL ③	Column ④	DIAGONAL ⑤	K
250 Sq. Ft.	21'	3 " Std. Pipe	1" Std. Pipe	1 1/4" Std. Pipe	5" Std. Pipe	2 1/2" Std. Pipe	15
	18'	3 " Std. Pipe	1" Std. Pipe	1 1/4" Std. Pipe	5" Std. Pipe	2 1/2" Std. Pipe	15

A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart above based on the design cross section at the locations where the truss is to be erected, the actual signs to be used on the truss, and the instructions herein. The engineer's name is to appear in the "Checked By" box (***) of the title block on each sheet. The engineer is responsible for verifying the information based on the contractor's submitted cross sections and for reviewing the fabricator's shop drawings in detail.

• Total Area includes Exit Number Signs that are not shown and shall not exceed 250 square feet.

REVISION	DATE

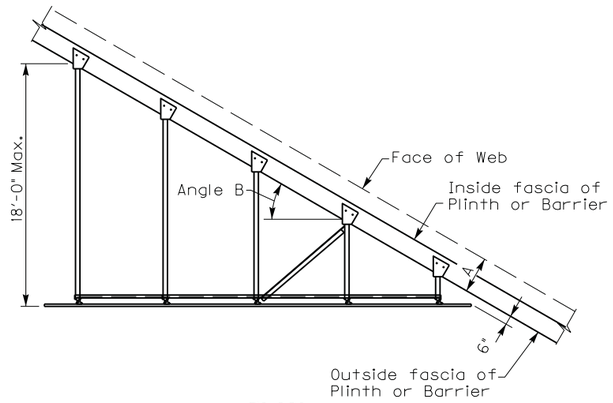
DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	***
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE	CROSSING

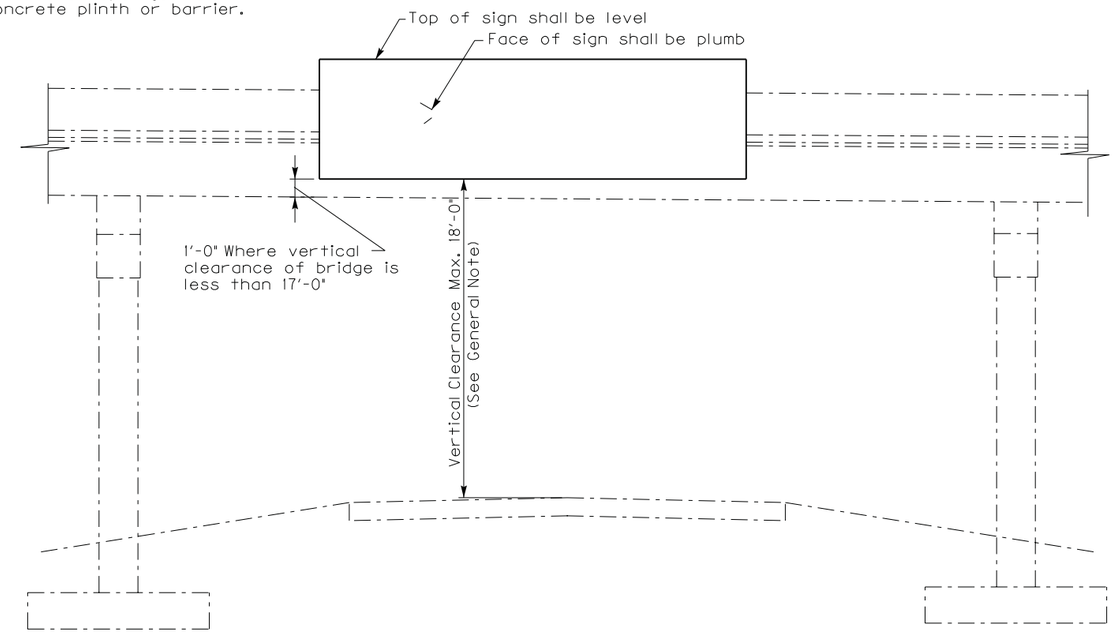
ITEM NUMBER	PREPARED BY	SHEET NO.
01-800.00		T64
		DRAWING NO.



PLAN

Left skew as shown
Right skew opposite hand

The entire sign support may be moved so as to clear handrail posts and no bracket shall be within 6" of open joints in concrete plinth or barrier.



ELEVATION OF BRIDGE AND SIGN

GENERAL NOTES

SPECIFICATIONS: The Kentucky Deparment of Highways Standard Specification for Road and Bridge Construction, current edition shall apply to this project.

DESIGN LOAD: Designed for 80 MPH wind in accordance with the specifications for the design and construction of structural steel supports for highway signs published by AASHTO, 1968.

ELEVATION OF SIGN: After establishing the horizontal location of the sign, the vertical elevation shall be established as follows: Determine the vertical clearance under the bridge within the limits of the sign. The vertcial clearance of the sign shall be equal to this bridge vertical clearance plus 1'-0" with a maximum of 18'-0". This 18'-0" may be exceeded where top of the sign would be less than 0'-6" above the plinth or barrier.

FABRICATION: All metal components of the bracket shall be hot-dip galvanized after all fabrication has be completed. The galvanized material shall be loaded, hauled and handled in such a manner that the galvanizing will not be damaged. All abraded and damaged surfaces including the field holes in the T shape shall be regalvanized or repaired by painting with two coats of zinc oxide, zinc dust paint conforming to the requirements of Federal Specifications MIL-P15145. The paint is to be properly compounded in a suitable vehicle in the ratio of one part zinc oxide to four parts zinc dust, by weight. All repairs are to be as directed by the engineer.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished The Department of Highways, stated that the material used comform to the specifications.

WELDING: All welding and welding materials shall conform to the specifications for Welded Highway and Railroad Bridges of The American Welding Society, current edition.

NON-SHRINKING GROUT: Specifications for non-shrinking grout shall be in accordance with the product manufactured as Embeco, Porrok or appoved equal.

MATERIALS: All structural steel furnished shall comform to ASTM Specification A36, current edition and shall be galvanized in accordance with ASTM A123, current edition. All pipes furnished shall conform to ASTM Specifications A53, current edition and shall be galvanized in accordanced with ASTM A123, current edition.

NOTE TO ENGINEER: A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart below based on the location where the bride mount is to be erected, the actual signs to be used on the bridge mount, and the instructions herein. The engineer's name is to appear in the "Checked By" box (•••) of the title block on each sheet. The engineer is responsible for looking up the original plans and including the drawing number in the table below. The original plans for the bridge are available from the Division of Structural Design.

Sign brackets shall be placed on 4'-0" max. centers with 2'-0" max. sign overhang. The following is the required number for each side.	
Sign Length	Number of Brackets
0'-0" thru 8'-0"	2
8'-1" thru 12'-0"	3
12'-1" thru 16'-0"	4
16'-1" thru 20'-0"	5
20'-1" thru 24'-0"	6
24'-1" thru 28'-0"	7

ROAD UNDER BRIDGE	OVERHEAD ROAD	STATION OF ROAD UNDER	SIGN NO.	SIGN LENGTH L.	SIGN LENGTH H.	DIRECTION OF TRAFFIC FACING SIGN	LANE THAT SIGN WILL BE OVER	DIMENSION A	DRAWING NUMBER OF BRIDGE	BEAM WEB T.	TYPE OF FASCIA	TYPE OF BEAM	SKEW LT/ RT	ANGLE B	HEIGHT C
										TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.					

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE | CROSSING

BRIDGE MOUNT BRACKETS

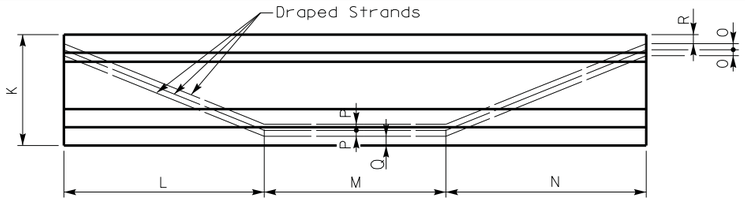
PREPARED BY

SHEET NO. T65

DRAWING NO.

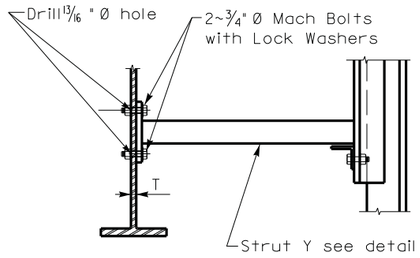
ITEM NUMBER
01–800.00

FILE NAME: $$$$design$file$specification$$$$
USER: $$$$USER$$$$
DATE PLOTTED: $$$$DATE$$$$
E-SHEET NAME:
MicroStation v8.11.9.578



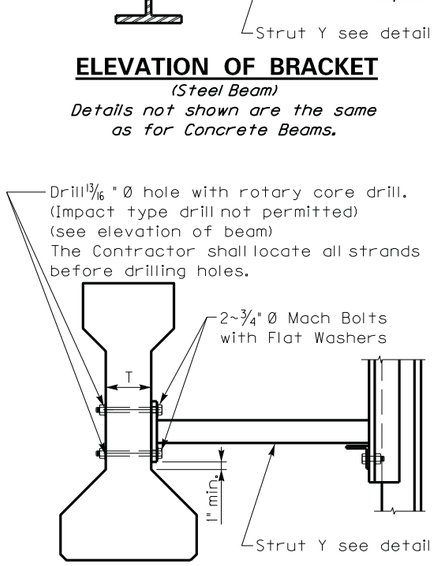
ELEVATION OF BEAM

(Prestressed Concrete I Beam)
Brackets shall be spaced so that bolt holes will not interfere with Draped Strands)



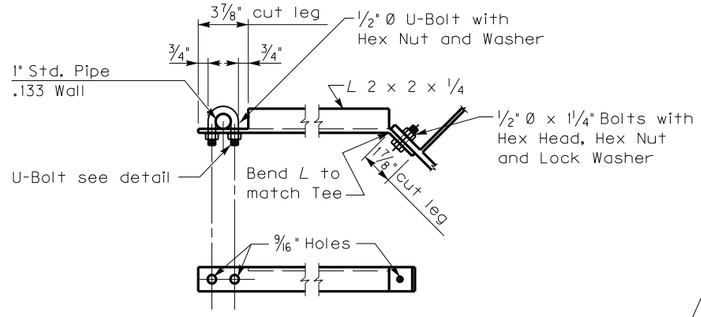
ELEVATION OF BRACKET

(Steel Beam)
Details not shown are the same as for Concrete Beams.

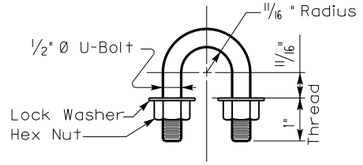


ELEVATION OF BRACKET

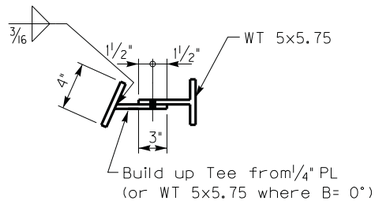
(Prestressed Concrete I Beam)
Details not shown are the same as for Concrete Beams.



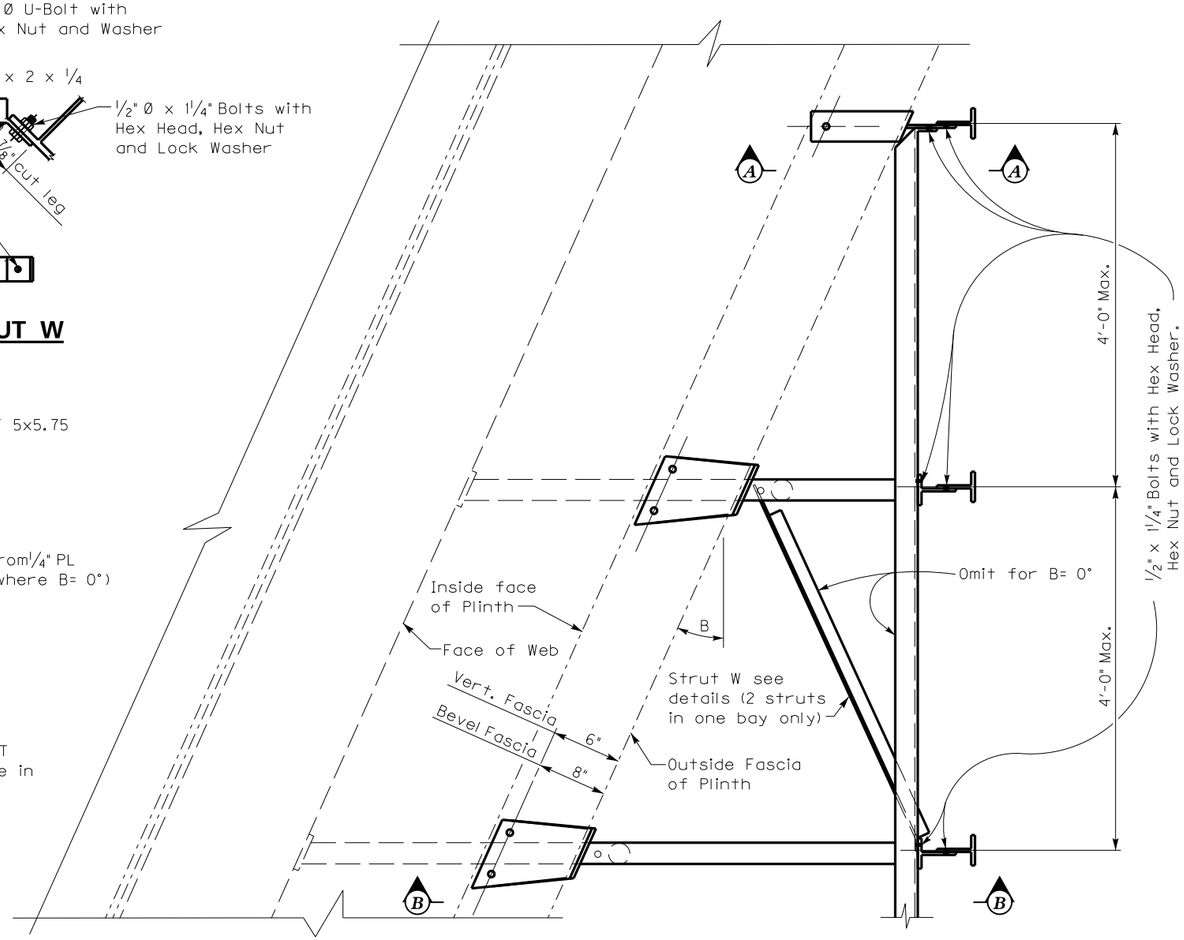
DETAIL FOR STRUT W



U-BOLT DETAIL

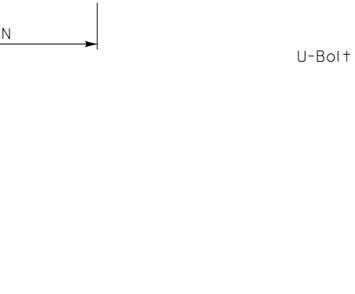


SECTION J–J



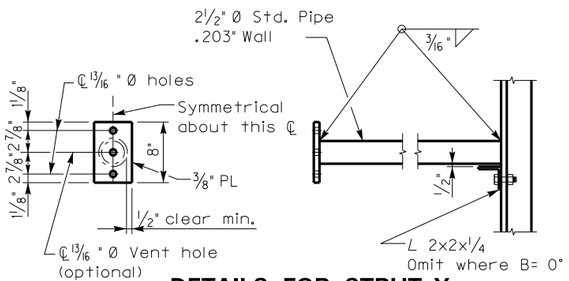
PLAN

(Left Skew as Shown)
(Right Skew opp. Hand)

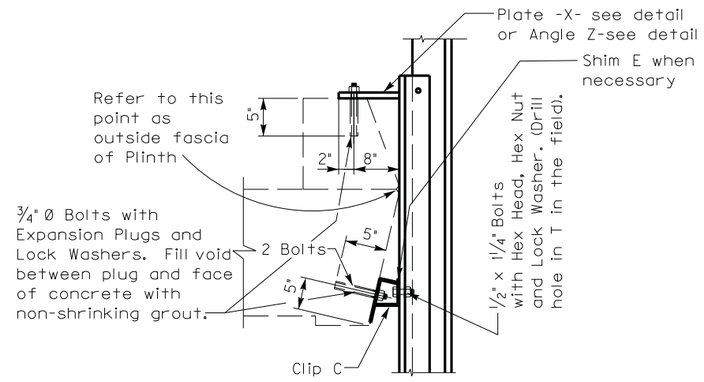


SECTION G–G

SECTION H–H

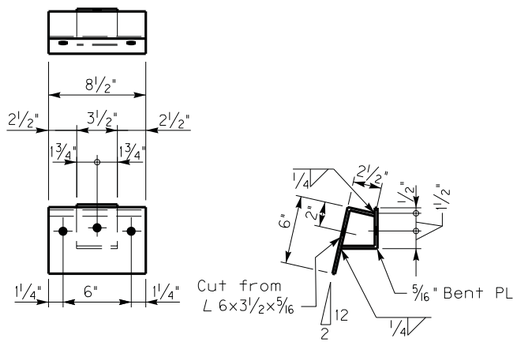


DETAILS FOR STRUT–Y



ELEVATION OF BRACKET

(Beveled Fascia)
Details not shown are the same as for Vertical Fascia.
Clip-C is to be used for 0° Skew Bridges only.



DETAILS FOR CLIP–C

See Sheet 3 for Section A-A and Section B-B.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY: **MARSHALL**

ROUTE | CROSSING

BRIDGE MOUNT BRACKETS

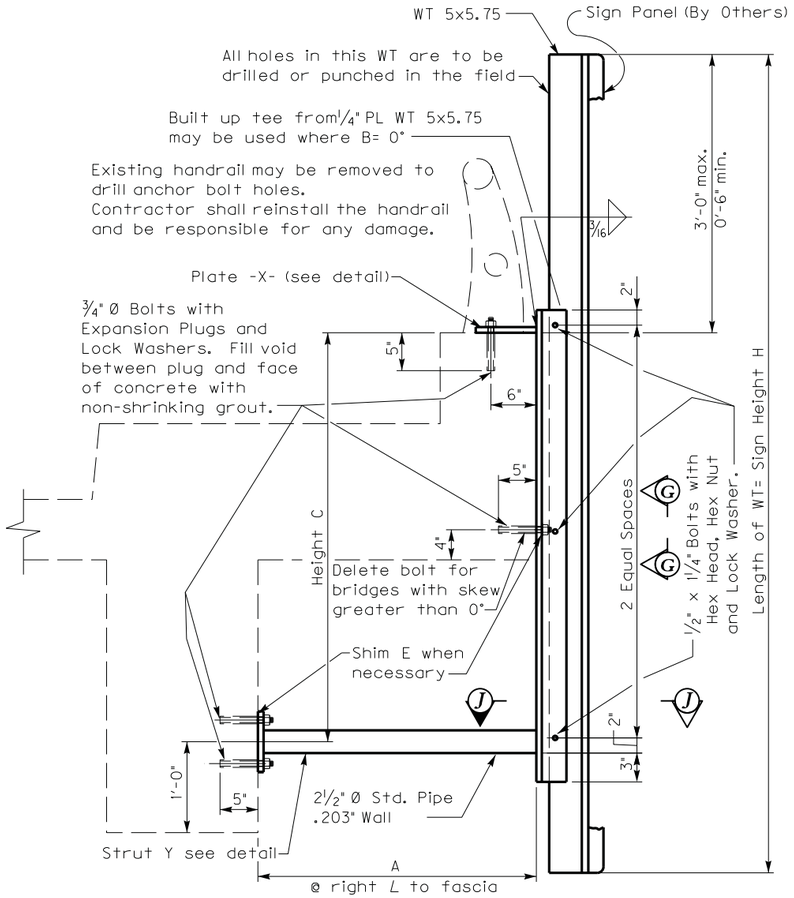
PREPARED BY

SHEET NO. T66

DRAWING NO.

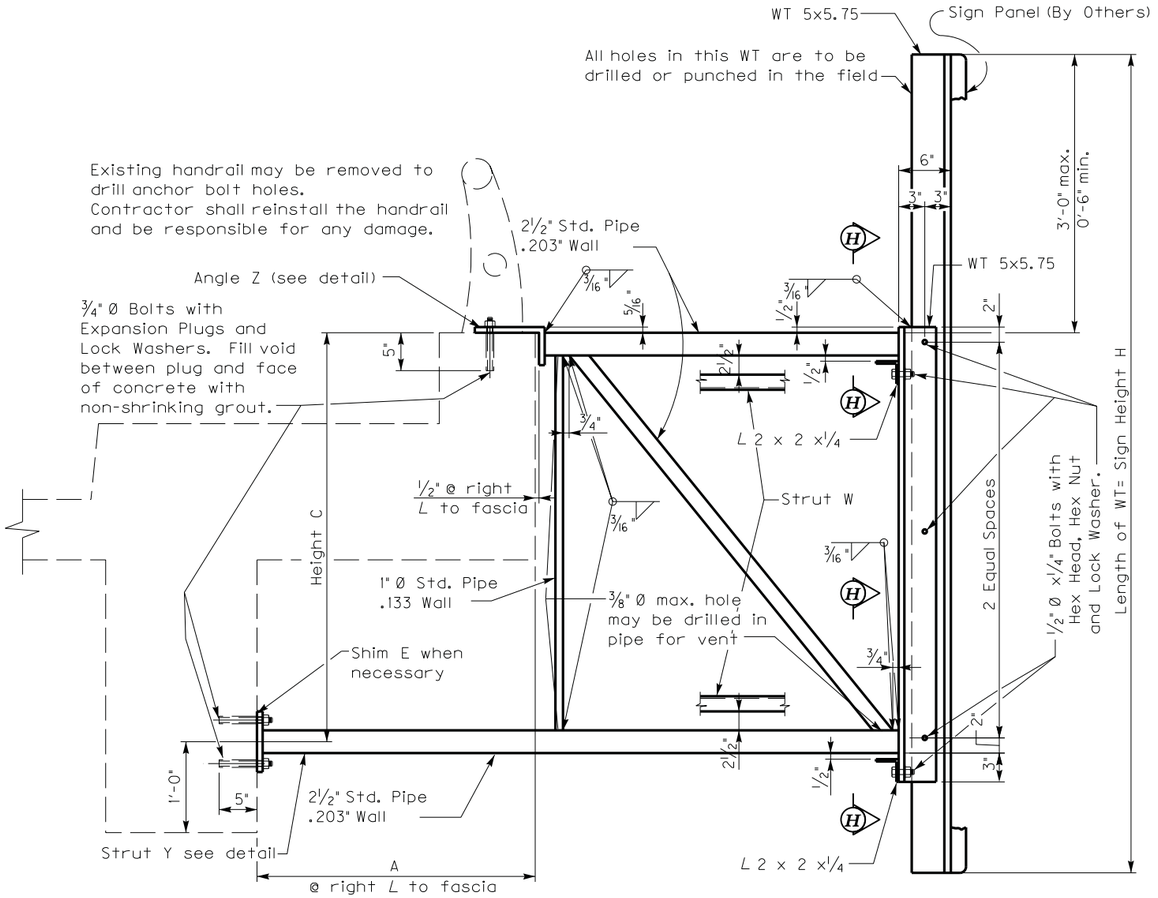
ITEM NUMBER
01–800.00

MicroStation v8.11.9.578 | E-SHEET NAME: | USER: $$$$USER$$$$ DATE PLOTTED: $$$$DATE$$$$ | FILE NAME: $$$$design$file$specification$$$$



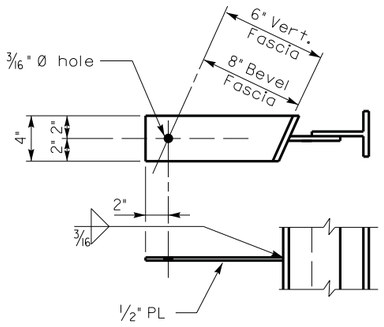
ELEVATION A–A OF BRACKET

(Concrete Beam) (Vertical Fascia)
Use when distance between sign and outside fascia of plinth measured along center line of bracket is less than or equal to 1'-6".

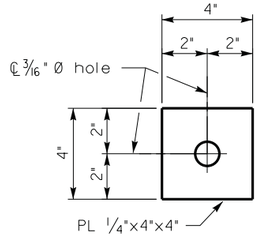


ELEVATION B–B OF BRACKET

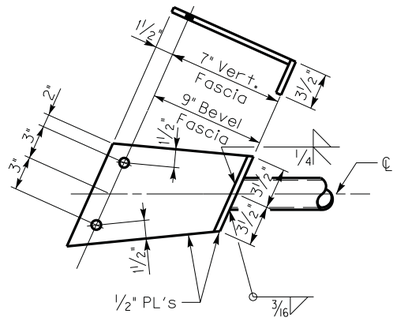
(Concrete Beam) (Vertical Fascia)
Use when distance between sign and outside fascia of plinth measured along center line of bracket is less than or equal to 1'-6".
Detail is to be used for bridges with skew greater than 0°.



DETAILS FOR PLATE X



SHIM E



DETAILS FOR ANGLE Z

See Sheet 2 for Section G-G, and Section H-H and Section I-I.

REVISION	DATE

DATE:	CHECKED BY
DESIGNED BY: Standard Sheet	•••
DETAILED BY:	

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
MARSHALL

ROUTE	CROSSING

BRIDGE MOUNT BRACKETS

ITEM NUMBER	PREPARED BY	SHEET NO.
01–800.00		T67
		DRAWING NO.

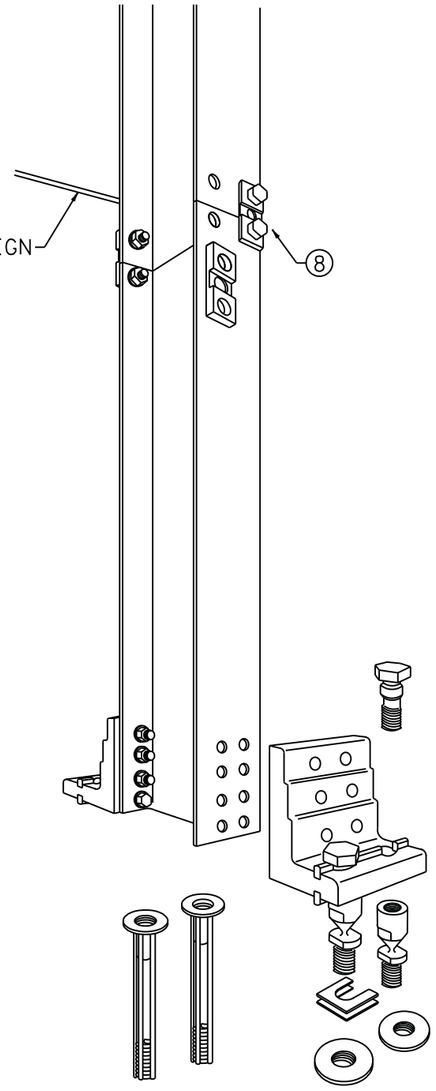
FILE NAME: $$$$design$files$specification$$$$
USER: $$$$USER$$$$$
DATE PLOTTED: $$$$DATE$$$$$
E-SHEET NAME:
MicroStation v8.11.9.578

DRAWING SCALE:

COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T68

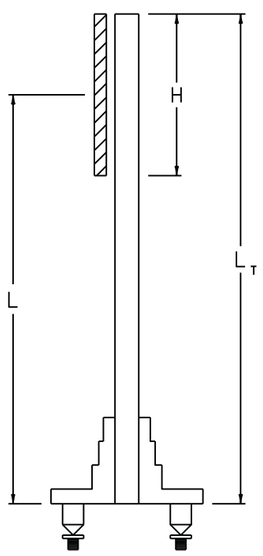
~NOTES~

1. BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM SHALL BE SELECTED FROM THE KENTUCKY DEPARTMENT OF HIGHWAYS APPROVED LIST FOR BREAKAWAY SIGN SUPPORT SYSTEMS OR AN APPROVED EQUAL. ACCEPTABLE ALTERNATE BREAKAWAY SIGN SUPPORT SYSTEMS SHALL BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AND FHWA PRIOR TO INSTALLATION.
2. SELECTION OF THE PROPER BRACKET NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. ALL HARDWARE ITEMS SUPPLIED ARE AMERICAN STANDARD SIZES AND SHALL BE GALVANIZED AND CONFORM TO ASTM A153 OR ASTM B695.
4. FASTENERS,EXCEPT FOR SPECIAL BOLT AND COUPLINGS, ARE INSTALLED WITH LOCKWASHERS, AND DO NOT HAVE SPECIFIC TORQUE REQUIREMENTS. FASTENERS SHALL BE SECURED AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES, UNLESS NOTED OTHERWISE.
5. SQUARE UP AND LEVEL INDIVIDUAL COMPONENTS, PARTICULARLY ANCHORS TO MINIMIZE THE NEED FOR SHIMMING BETWEEN THE COUPLINGS AND ANCHORS.
6. NO MORE THAN TWO SHIMS SHALL BE PLACED UNDER ANY ONE COUPLING. NO MORE THAN THREE SHIMS UNDERNEATH ANY PAIR OF COUPLINGS.
7. THE CONTRACTOR SHALL FURNISH TWO (2) COMPLETE SETS OF SHOP PLANS FOR APPROVAL BY THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO INSTALLATION.
8. THE HINGE SHOULD BE AT LEAST 7'-0'' ABOVE THE GROUND.
9. A SINGLE POST IF 7'-0'' OR MORE FROM ANOTHER POST, SHALL HAVE A WEIGHT LESS THAN 45 LB./FT. TOTAL WEIGHT BELOW THE HINGE, BUT ABOVE THE SHEAR PLATE OF THE BREAKAWAY BASE, SHOULD NOT EXCEED 600 LB.
10. FOR TWO POSTS SPACED LESS THAN 7'-0'' APART, EACH POST SHOULD HAVE A WEIGHT LESS THAN 18 LB./FT.
11. COUPLINGS SHALL NOT BE USED IN SIGN STRUCTURES WITH THREE SUPPORTS OR MORE IF POSTS ARE CLOSER THAN 7'-0'' APART.
12. REFER TO DETAIL SHEET ''FOOTING DETAILS FOR TYPE C BEAM'' FOR FOOTER DETAILS.



~ PICTORIAL VIEW ~

$L = L_T - H/2$



~ ELEVATION VIEW ~

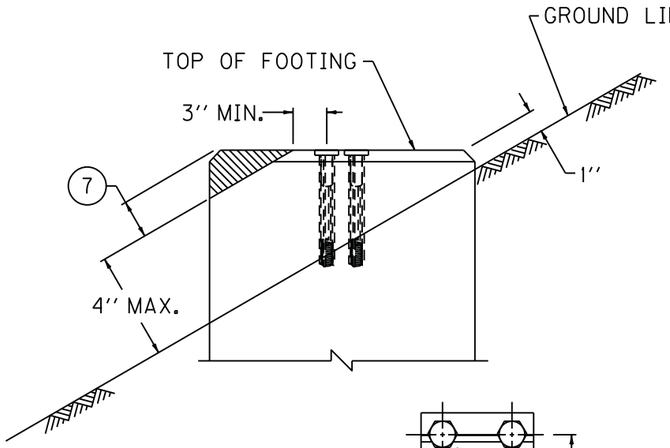
BRACKET SELECTION TABLE

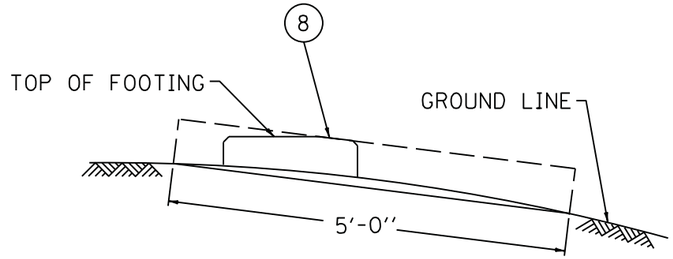
I-BEAM POST SIZE	BRACKET NO. 1		BRACKET NO. 2		BRACKET NO. 3	
	MIN. ''L''	MAX. ''L''	MIN. ''L''	MAX. ''L''	MIN. ''L''	MAX. ''L''
6''	12'-0''	29'-0''	9'-0''	12'-0''	0	9'-0''
8''	14'-0''	29'-0''	10'-0''	14'-0''	0	10'-0''
10''	16'-0''	29'-0''	11'-0''	16'-0''	0	11'-0''
12''	18'-0''	29'-0''	13'-0''	18'-0''	0	13'-0''
14''	19'-0''	29'-0''	14'-0''	19'-0''	0	14'-0''
16''	21'-0''	29'-0''	15'-0''	21'-0''	0	15'-0''
18''	23'-0''	29'-0''	16'-0''	23'-0''	0	16'-0''
21''	25'-0''	29'-0''	18'-0''	25'-0''	0	18'-0''

STANDARD DRAWING RGX-060
DETAIL SHEET

DRAWN T. S. GATEWOOD DATE 12-04
CHECKED D. H. McALISTER 12-04
RECOMMENDED
APPROVED F.H.W.A.

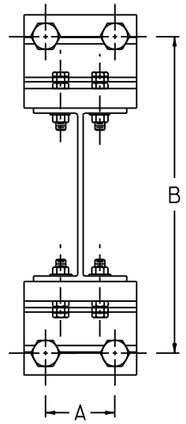
COUNTY OF	ITEM NO.	SHEET NO.
MARSHALL	01-800.00	T69





FOOTING SELECTION TABLE

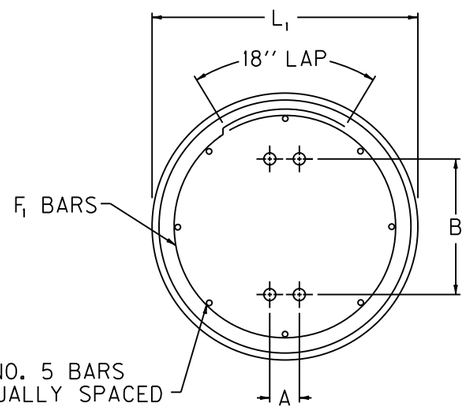
POST SIZE	L_1 DIA.	D_1 DEPTH	STEEL F_1 BARS QTY	STEEL F_1 BARS SIZE	REINF. LBS.	CONC. CU. YD.
W6	2'-0''	5'-0''	5	#4	57	0.58
W8	2'-6''	7'-0''	7	#4	88	1.27
W10	3'-0''	8'-0''	8	#4	110	2.09
W12	3'-0''	8'-0''	8	#4	110	2.09
W14	3'-0''	9'-0''	9	#4	124	2.36
W16	3'-6''	9'-0''	9	#4	133	3.21
W18	3'-6''	9'-0''	9	#4	133	3.21
W21	4'-0''	9'-0''	9	#4	143	4.19



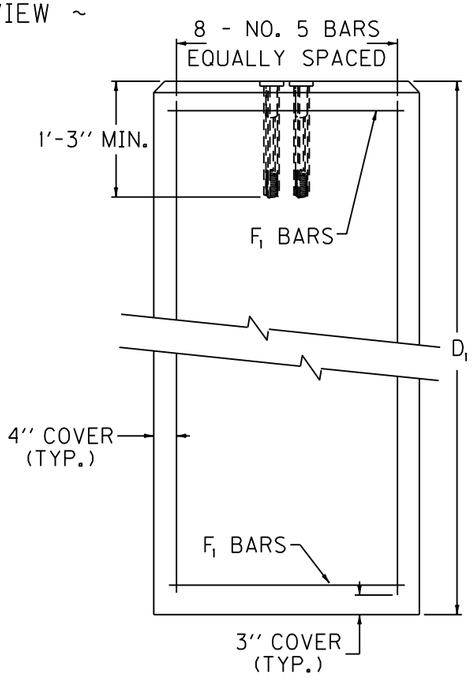
~ PLAN VIEW ~

~NOTES~

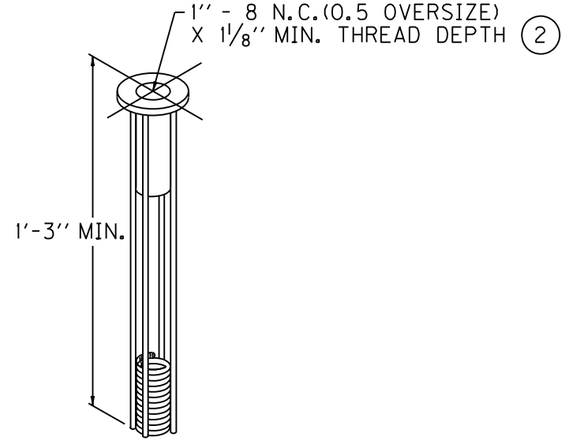
1. ENTER FOOTING SELECTION TABLE WITH REQUIRED POST SIZE AND FIND REQUIRED FOOTING VALUES AS SHOWN IN DETAILS.
2. THE ANCHOR SHALL BE 304 STAINLESS STEEL WITH 1053 STEEL ROD AND COIL.
3. FORM TOP 1'-0'' OF THE FOOTING.
4. USE CLASS ''A'' CONCRETE IN ALL FOOTINGS.
5. ACTUAL DIMENSIONS "A" & "B" SHOULD BE OBTAINED FROM THE MANUFACTURER OR MEASURED FROM THE ASSEMBLED BRACKETS PRIOR TO PLACEMENT OF ANCHORS.
6. TO INSURE PROPER SPACING AND ALIGNMENT OF ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
7. FOOTING PROJECTIONS ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4'' ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE SHADED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.
8. THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4'' ABOVE ANY 5'-0'' CHORD ALIGNED PERPENDICULARY TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.



~ TOP VIEW ~



~ SIDE VIEW ~



~ ANCHOR PICTORIAL VIEW ~

STANDARD DRAWING RGX-061
DETAIL SHEET

DRAWN T. S. GATEWOOD DATE 12-04
CHECKED D. H. McALISTER 12-04
RECOMMENDED
APPROVED F.H.W.A.