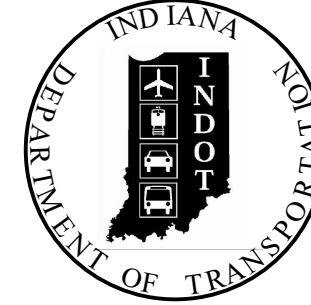


PROJECT	DESIGNATION
1700076	1700076
CONTRACT	BRIDGE FILE
B-40608	014-56-10319

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
014-56-10319	Precast Reinforced Concrete Three-Sided Structure	1 Span: 24'-0", Skew: 28° Rt.	Gaff Ditch	245+75.98 Line "A"

KIN PROJECT INFORMATION					
DESIGNATION	PROJECT DESCRIPTION				
	Work Type	Route	Location	Feature Crossed	County
1700075	Bridge Replacement, Concrete	SR 10	2.31 mi E of US 41	Knight Ditch	Newton County
1700076 (LEAD)	Bridge Replacement, Concrete	SR 14	2.27 mi E of US 41	Gaff Ditch	Newton County
1700077	Bridge Replacement, Concrete	SR 16	1.31 mi E of SR 55	Mosquito Creek	Newton County
1700083	Bridge Replacement, Concrete	US 41 NB	1.63 mi N of SR 16	Chizum Ditch	Newton County
1700085	Bridge Replacement, Concrete	US 41 SB	1.63 mi N of SR 16	Chizum Ditch	Newton County
1700124	Small Structure - New	SR 114	1.75 mi W of SR 55	Turner Ditch	Newton County
1701324	Small Structure Replacement	US 41	0.28 mi S of SR 16	Hambridge Ditch	Newton County
1701478	Small Structure Replacement	SR 16	2.9 mi E of SR 55	Simonim Ditch	Jasper County
1701492	Small Structure Replacement	SR 114	0.43 mi W of Jct of SR 55	Haynes Tile	Newton County
1701505	Small Structure Replacement	US 24	1.6 mi W of SR 55	Kent Tile	Newton County
1701541	Small Structure Pipe Lining	SR 114	0.03 mi E of Jct of I-65	UNT to Yeoman Ditch	Jasper County

# INDIANA DEPARTMENT OF TRANSPORTATION



## BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: SR 14

AT: RP 2+23

PROJECT NO.

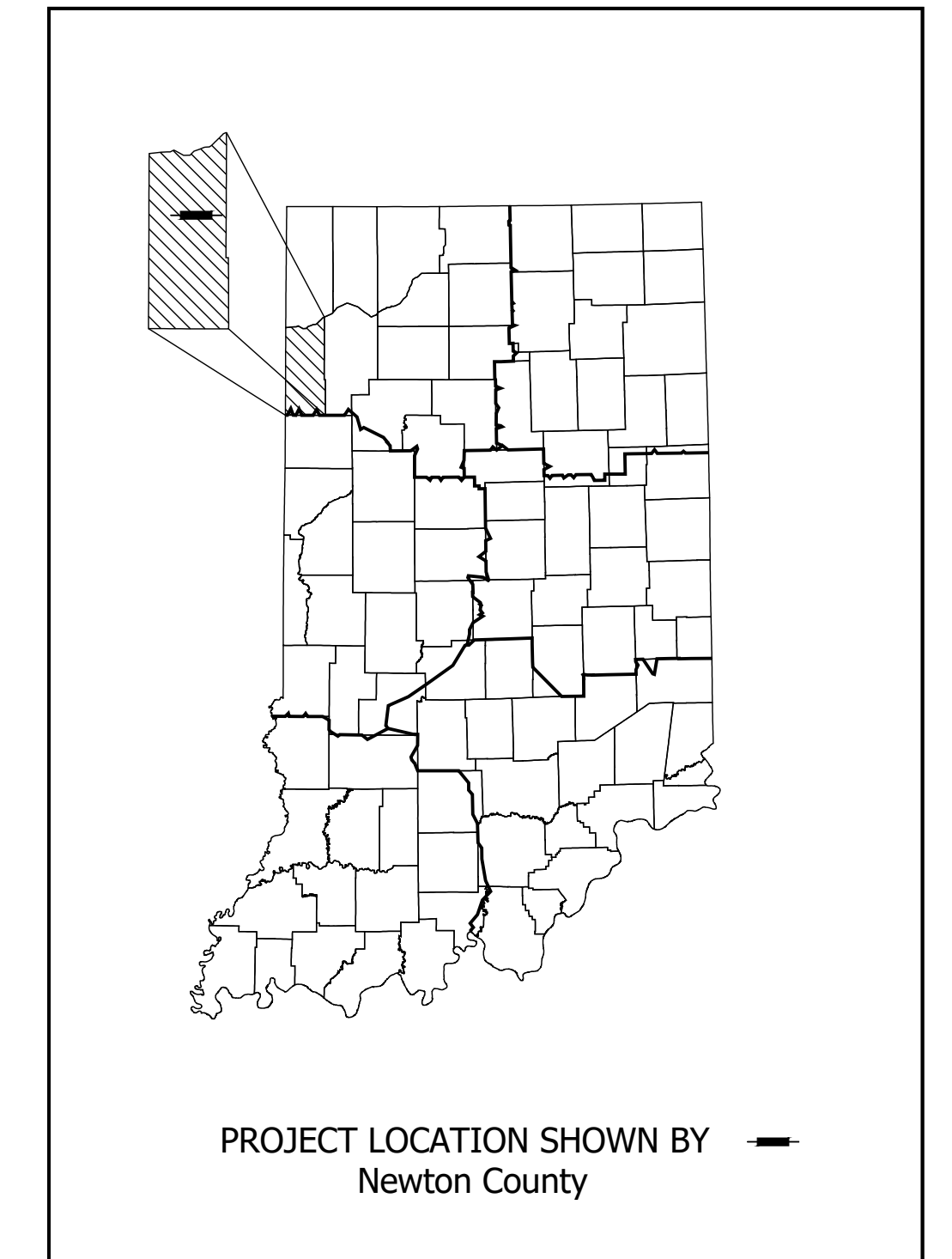
1700076 P.E.

1700076 R/W

1700076 CONST.

ADDITIONAL RIGHT-OF-WAY  
REQUIRED FOR THIS PROJECT

TRAFFIC DATA	
	SR 14
A.A.D.T. (2022)	2,274 V.P.D.
A.A.D.T. (2042)	2,909 V.P.D.
D.H.V. (2042)	224 V.P.H.
DIRECTIONAL DISTRIBUTION	55% EB / 45% WB
TRUCKS	34% A.A.D.T. 40% D.H.V.
DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



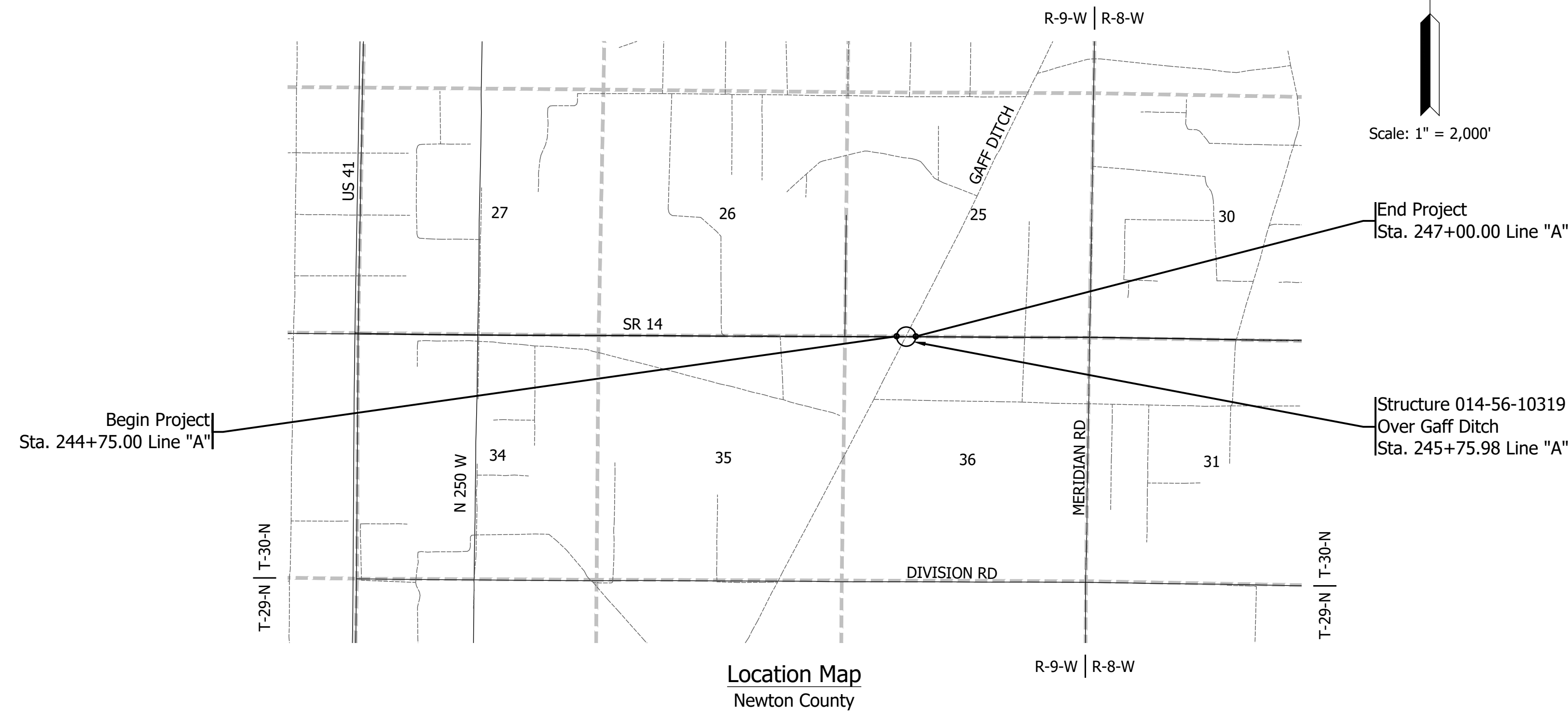
LATITUDE: 41° 00' 49" LONGITUDE: 87° 24' 24"

BRIDGE LENGTH: 0.006 MI.  
ROADWAY LENGTH: 0.037 MI.  
TOTAL LENGTH: 0.043 MI.  
MAX. GRADE: 0.65 %

HUC 12: 071200021301  
HUC 14: 07120002150010

STAGE 2 PLANS  
03/01/2020

Bridge Replacement, Concrete on SR 14 over Gaff Ditch  
Located 2.27 Miles East of US 41  
Sections 25 & 36, T-30-N, R-9-W, McClellan Township, Newton County



Date: Feb 24, 2020, 1:20pm, User: Alameer, RStrueman, File: S:\\_L\_2017\217-0321\0321\_L\_0321\Bridges\CAD\Misc\Days\Title Sheet.dwg



PLANS PREPARED BY: Lochmueller Group, Inc. (574) 334-5460 PHONE NUMBER	BRIDGE FILE	014-56-10319
	DESIGNATION	1700076
CERTIFIED BY: _____ DATE _____	SURVEY BOOK	SHEET
APPROVED FOR LETTING: _____ DATE _____	ELECTRONIC	1 of 17
INDIANA DEPARTMENT OF TRANSPORTATION	CONTRACT	PROJECT
	B-40608	1700076

INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2020  
TO BE USED WITH THESE PLANS

### UTILITIES

COMMUNICATIONS: AT&T DISTRIBUTION  
 240 N MERIDIAN ST., RM 1791  
 INDIANAPOLIS, IN 46204  
 MATT SPINDLER  
 317-265-3050  
 MS4822@ATT.COM

ELECTRIC: NEWTON COUNTY R.E.M.C.  
 207 E GOSS ST., PO BOX 125  
 KENTLAND, IN 47951  
 JIM EVERS  
 219-474-6244  
 JIMEVERSNCREMC@CENTURYLINK.NET



### GENERAL NOTES

### INDEX

SHEET NO.	SUBJECT
1	TITLE SHEET
2	INDEX
3	TYPICALS
4	PLAT NO. 1
5	MAINTENANCE OF TRAFFIC
6	PLAN AND PROFILE
7	LAYOUT
8 - 9	GENERAL PLAN
10	BRIDGE SUMMARY
11	ROAD SUMMARY
12 - 17	CROSS SECTIONS

### REVISIONS

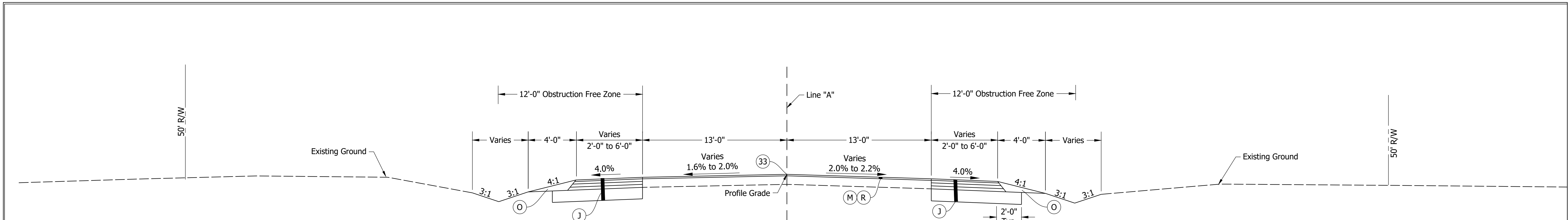
SHEET NO.	DATE	REVISED

#### COORDINATE LISTING: RANDOM CONTROL POINTS

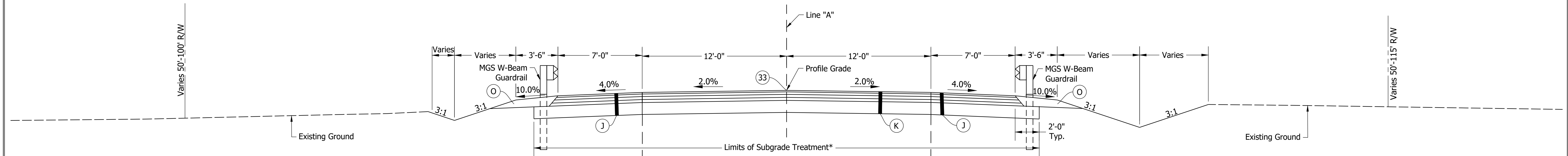
PT.#	NORTHING	EASTING	DESCRIPTION
2500	232489.7440	784238.8520	SET REBAR / REF CAP
2501	232496.6460	786856.5600	FND. REBAR W/ CAP "SAYERS PS 2020002"
7001	232459.412	784484.503	P.I. 234+99.92 Line "A" IRON PIN IN MON. BOX
7006	232460.456	785784.603	P.I. 248+00.02 Line "A", Delta = 0°01'27" Left (No Curve), FND. IRON PIN IN MON. BOX
7002	232461.927	786984.593	P.I. 260+00.01 Line "A", Delta = 0°01'46" Left (No Curve), FND. IRON PIN IN MON. BOX
7003	232464.012	788184.590	P.I. 272+00.01 Line "A", Delta = 0°03'36" Right (No Curve), FND. IRON PIN IN MON. BOX
7004	232464.680	789149.789	P.I. 281+65.25 Line "A", IRON ROD IN MON. BOX

Date: Feb 24, 2020 1:20pm User: Almas RStruman File: S:\\_L\2017-2018\321\Drawings\CAD\Misc\Drawings\Index.dwg

RECOMMENDED FOR APPROVAL _____ <small>DESIGN ENGINEER</small> <small>DATE</small>	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE N/A BRIDGE FILE 014-56-10319
DESIGNED: <u>  EJG  </u> DRAWN: <u>  DJG  </u>	<b>INDEX</b>	VERTICAL SCALE N/A DESIGNATION 1700076
CHECKED: <u>  ACS  </u> CHECKED: <u>  EJG  </u>		SURVEY BOOK ELECTRONIC      2      of      17 CONTRACT B-40608      PROJECT 1700076

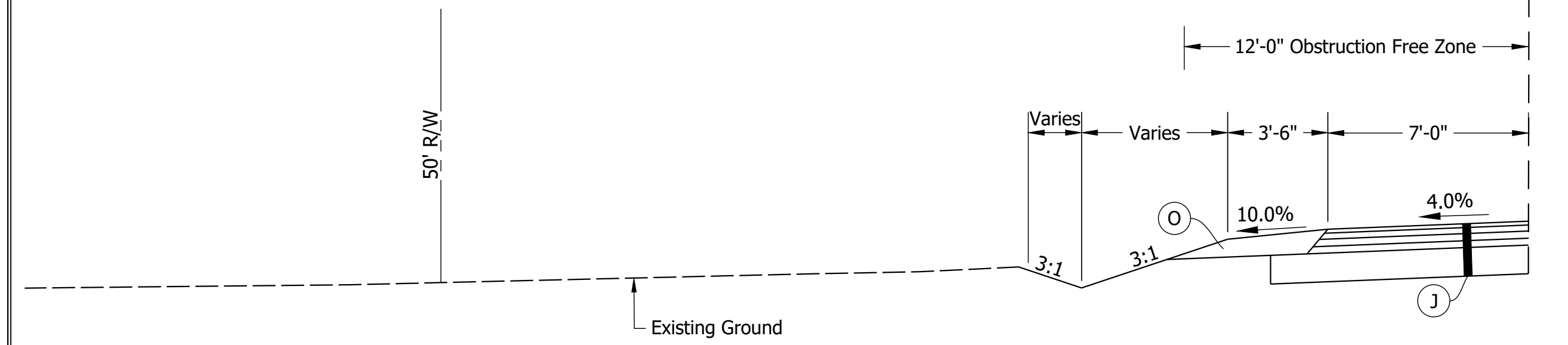


**TYPICAL INCIDENTAL SECTION**  
 Sta. 244+00.00 Line "A" To Sta. 244+75.00 Line "A"  
 Sta. 247+00.00 Line "A" To Sta. 247+75.00 Line "A"

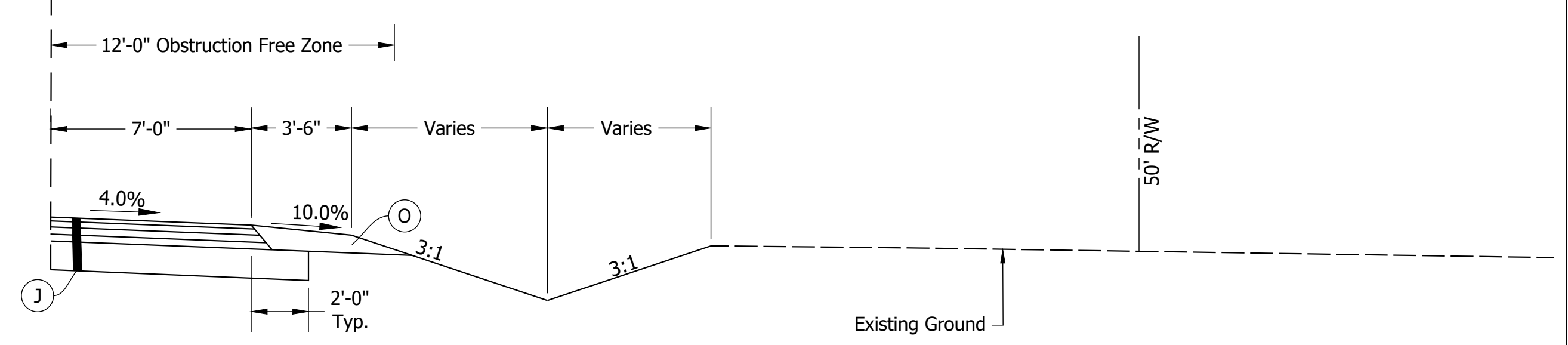


**TYPICAL FULL DEPTH SECTION**  
 Sta. 244+75.00 Line "A" To Sta. 247+00.00 Line "A"

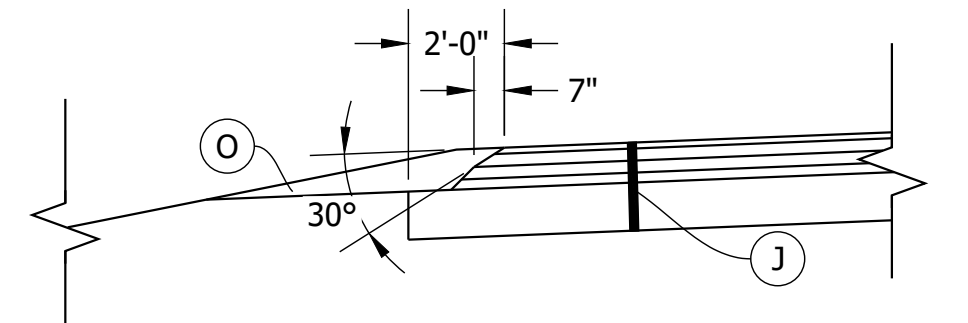
\*Subgrade not used from  
 Sta. 245+61.45 Line "A" to Sta. 245+90.51 Line "A"



**TYPICAL SECTION WITHOUT GUARDRAIL**  
 Sta. 244+75.00 Line "A" To Sta. 245+57.95 Line "A"  
 Sta. 246+51.70 Line "A" To Sta. 247+00.00 Line "A"



**TYPICAL SECTION WITHOUT GUARDRAIL**  
 Sta. 244+75.00 Line "A" To Sta. 245+00.26 Line "A"  
 Sta. 245+94.01 Line "A" To Sta. 247+00.00 Line "A"



**SAFETY EDGE DETAIL**

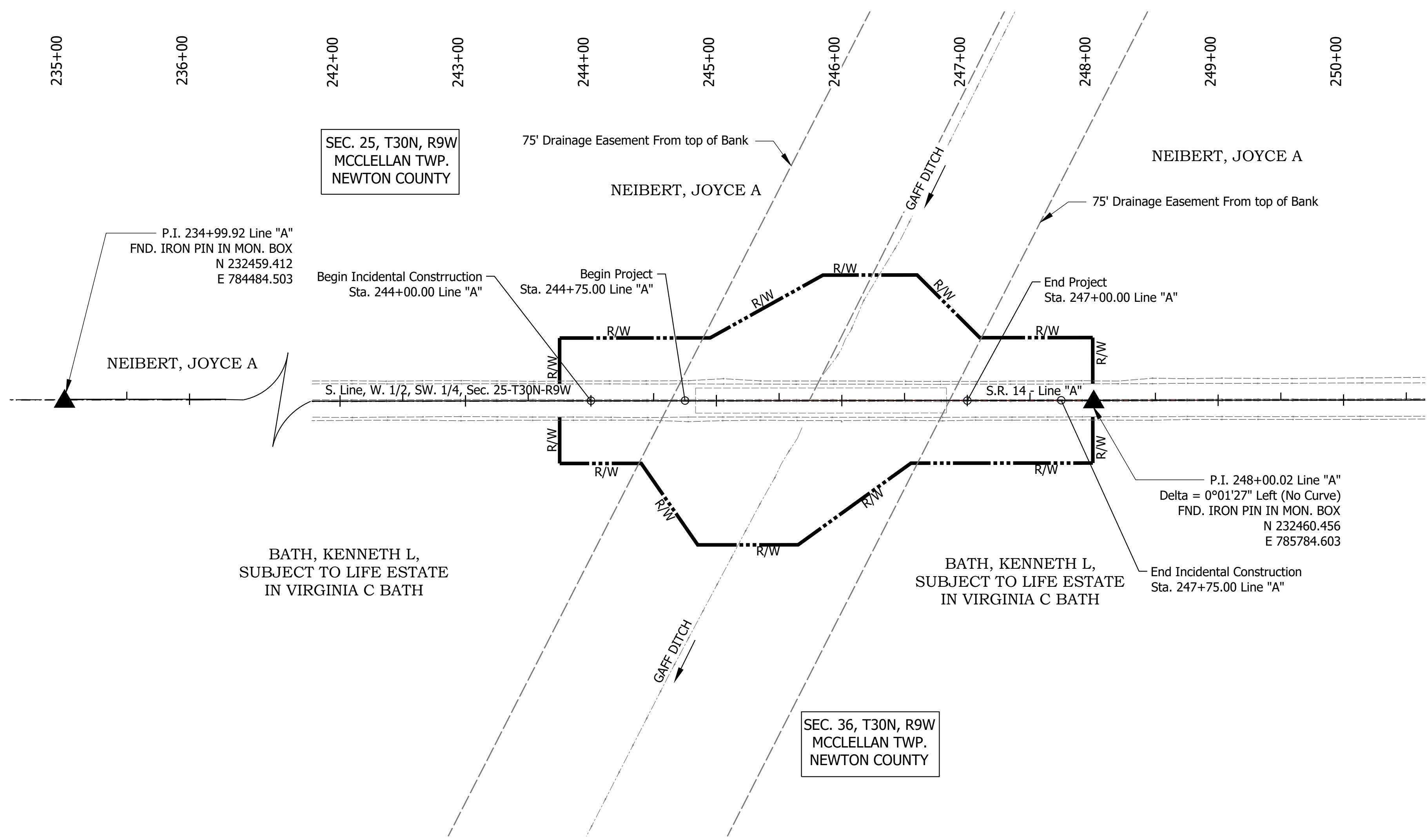
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 File: S:\\_2017\217-0372\1\_DBD\Bridges\CAD\Plans\Typicals.dwg

- (J) Pavement Design Will Be Determined After Completion Of Geotechnical Report
- (K) Pavement Design Will Be Determined After Completion Of Geotechnical Report
- (M) Milling, Asphalt, 1 1/2"
- (O) Compacted Aggregate, No. 53
- (R) QC/QA-HMA, 3, 70, Surface, 9.5mm
- (33) Milled HMA Corrugations, Conventional (Longitudinal Rumble Stripes)

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**TYPICAL CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	014-56-10319
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	1700076
SURVEY BOOK	SHEET
ELECTRONIC	3 of 17
CONTRACT	PROJECT
B-40608	1700076

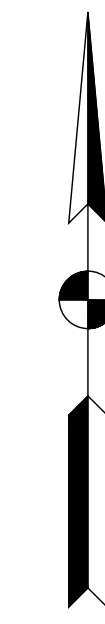


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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDV _____	DRAWN: _____ NG _____	
CHECKED: _____ BKA _____	CHECKED: _____ EJG _____	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**PLAT NO. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 60'	014-56-10319
VERTICAL SCALE	DESIGNATION
N/A	1700076
SURVEY BOOK	SHEET
ELECTRONIC	4 of 17
CONTRACT	PROJECT
B-40608	1700076



CONSTRUCTION SIGN SCHEDULE				
SIGN. NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	2
R11-4	"ROAD CLOSED TO THRU TRAFFIC" SIGN	60 x 30	(1)	2
XM4-10(L OR R)	"DETOUR" SIGN	48 x 18	(1)	2
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	4
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	16
			TOTAL TYPE "A" SIGNS	10

Detour Route Marker Assemblies: 37 Req'd  
 Road Closure Sign Assemblies: 4 Req'd  
 Type III-A Barricades: 48 Lft.  
 Type III-B Barricades: 24 Lft.

(1) Included with road closure sign assembly.

**LEGEND**



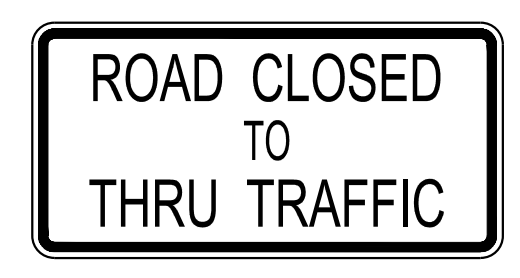
XW20-2



XW20-3



R11-2



R11-4



① XM4-8 M4-1 OR M1-6 M5-1(R OR L)S



① XM4-8 M4-1 OR M1-6 M6-1 (R OR L)S



① XM4-8 M3-25 TO M3-35 M1-4 TO M1-6 M6-35



① XM4-8a M1-4 OR M1-8

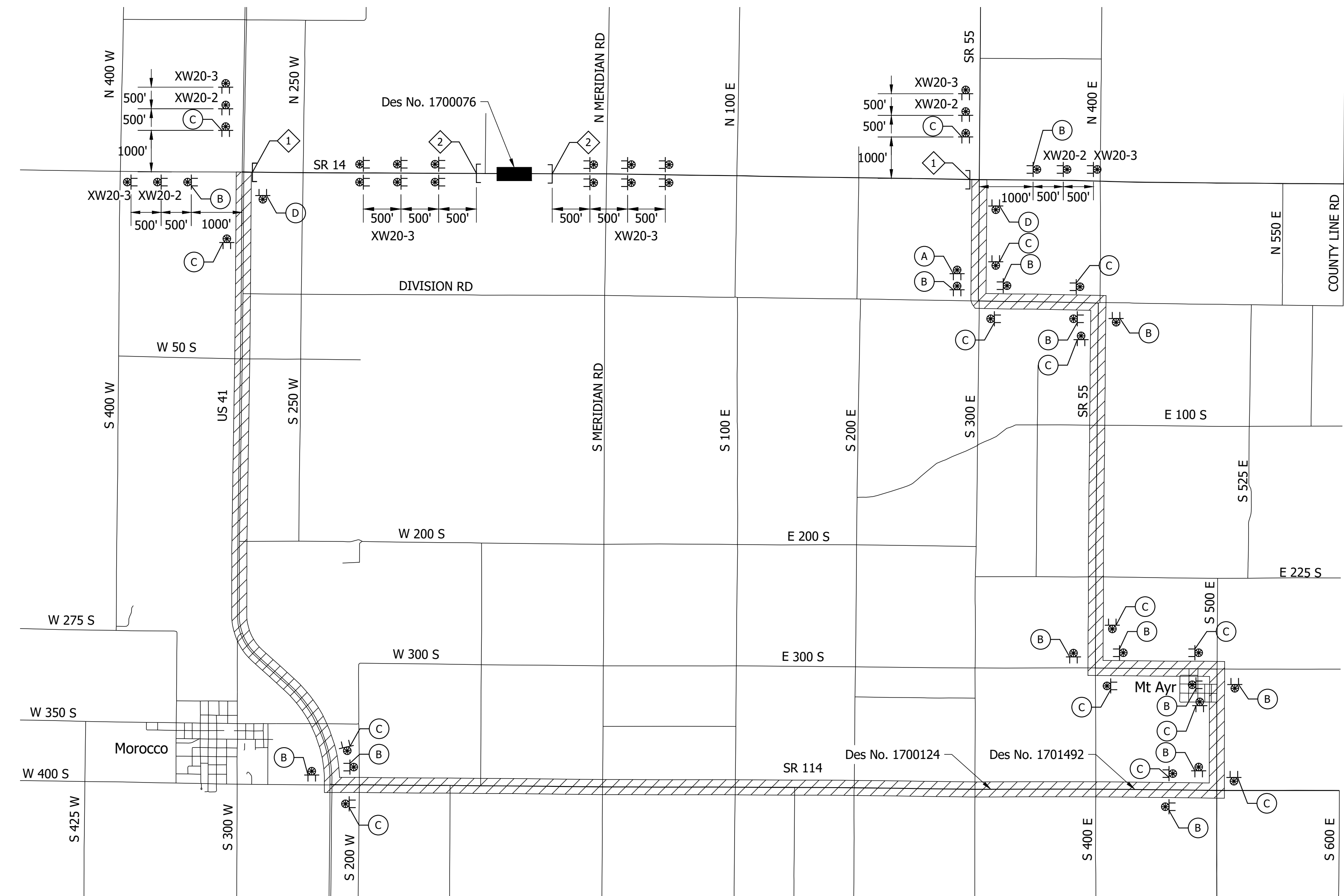
① ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-B BARRICADE (12 LFT.) AND R11-4 SIGN WITH XM4-10 (L OR R)

② ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-A BARRICADE (24 LFT.) AND R11-2 SIGN

CONSTRUCTION ZONE  
 DETOUR ROUTE

**GENERAL NOTES**

- All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
- See INDOT Std. Dwg. 801-TCDDT-02 for sign spacing requirements and additional notes.
- See INDOT Std. Dwg. 801-TCLG-02 for standard notes.
- The cost of R11-2 and R11-4 shall be included in the cost of the road closure sign assembly.
- Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

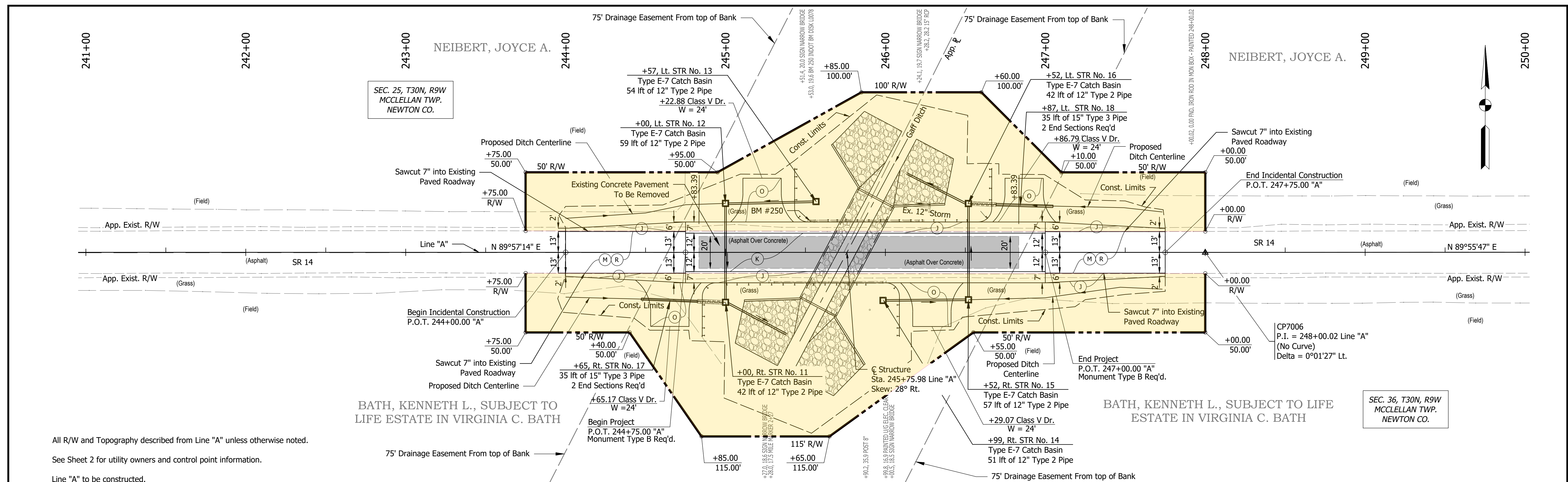


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 File: S:\\_2017\17103721\_DBD\Bridge\CAD\Plans\Maintenance of Traffic.dwg

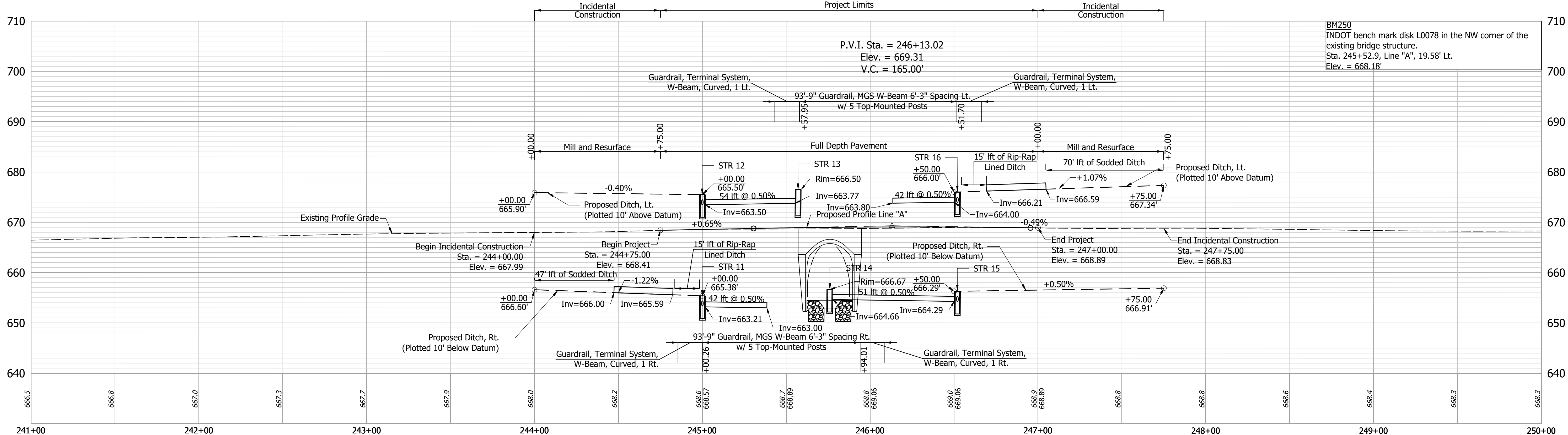
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**MAINTENANCE OF TRAFFIC**

HORIZONTAL SCALE	BRIDGE FILE
1" = 1000'	014-56-10319
VERTICAL SCALE	DESIGNATION
1" = 1000'	1700076
SURVEY BOOK	SHEET
ELECTRONIC	5 of 17
CONTRACT	PROJECT
B-40608	1700076



All R/W and Topography described from Line "A" unless otherwise noted.  
 See Sheet 2 for utility owners and control point information.  
 Line "A" to be constructed.



- (J) Pavement Design Will Be Determined After Completion Of Geotechnical Report
- (K) Pavement Design Will Be Determined After Completion Of Geotechnical Report
- (M) Milling, Asphalt, 1 1/2"
- (O) Compacted Aggregate, No. 53
- (R) QC/QA-HMA, 3, 70, Surface, 9.5mm

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: BSS	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE "A"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	014-56-10319
VERTICAL SCALE	DESIGNATION
1" = 10'	1700076
SURVEY BOOK	SHEET
ELECTRONIC 6 of 17	
CONTRACT	PROJECT
B-40608	1700076

Date: Feb 24, 2020, 1:23pm, User: James\_RStratman  
 File: S:\\_2017\212-032\LD\Bridges\CAD\Plans\Plan and Profile.dwg

**EXISTING STRUCTURE**

The existing structure, 014-56-03655, is a single span reinforced concrete filled arch bridge built in 1946 with a 25 ft. span and 37 ft. clear roadway. Existing structure to be removed.

**HYDRAULIC DATA**

Drainage Area	0.88 SQ. MI.
Q100 Discharge	130.00 CFT./SEC.
Q100 Elevation	662.10 M.S.L.
Q100 Backwater	0.01 FT.
Q100 Velocity	0.91 FT./SEC.
Proposed Waterway Opening, Below Q100	143.63 SFT.
Low Structure Elevation	665.78 M.S.L.
Skew	28°00'00"
Existing Waterway Opening	128.33 SFT.
Existing Low Structure Elevation	665.78 M.S.L.
Existing Backwater	0.01 FT.

**HYDRAULIC SCOUR DATA**

Q100 Discharge	130.00 CFT./SEC.
Q100 Elevation	662.10 M.S.L.
Q100 Scour Velocity	1.07 FT./SEC.
Q100 Contraction Scour Depth	0.00 FT.
Q100 Total Scour Depth	0.00 FT.
Q100 Low Scour Elevation	654.44 M.S.L.
Q500 Discharge	169.00 CFT./SEC.
Q500 Elevation	662.94 M.S.L.
Q500 Scour Velocity	1.77 FT./SEC.
Q500 Contraction Scour Depth	0.00 FT.
Q500 Total Scour Depth	0.00 FT.
Q500 Low Scour Elevation	654.44 M.S.L.

**EARTHWORK TABULATION**

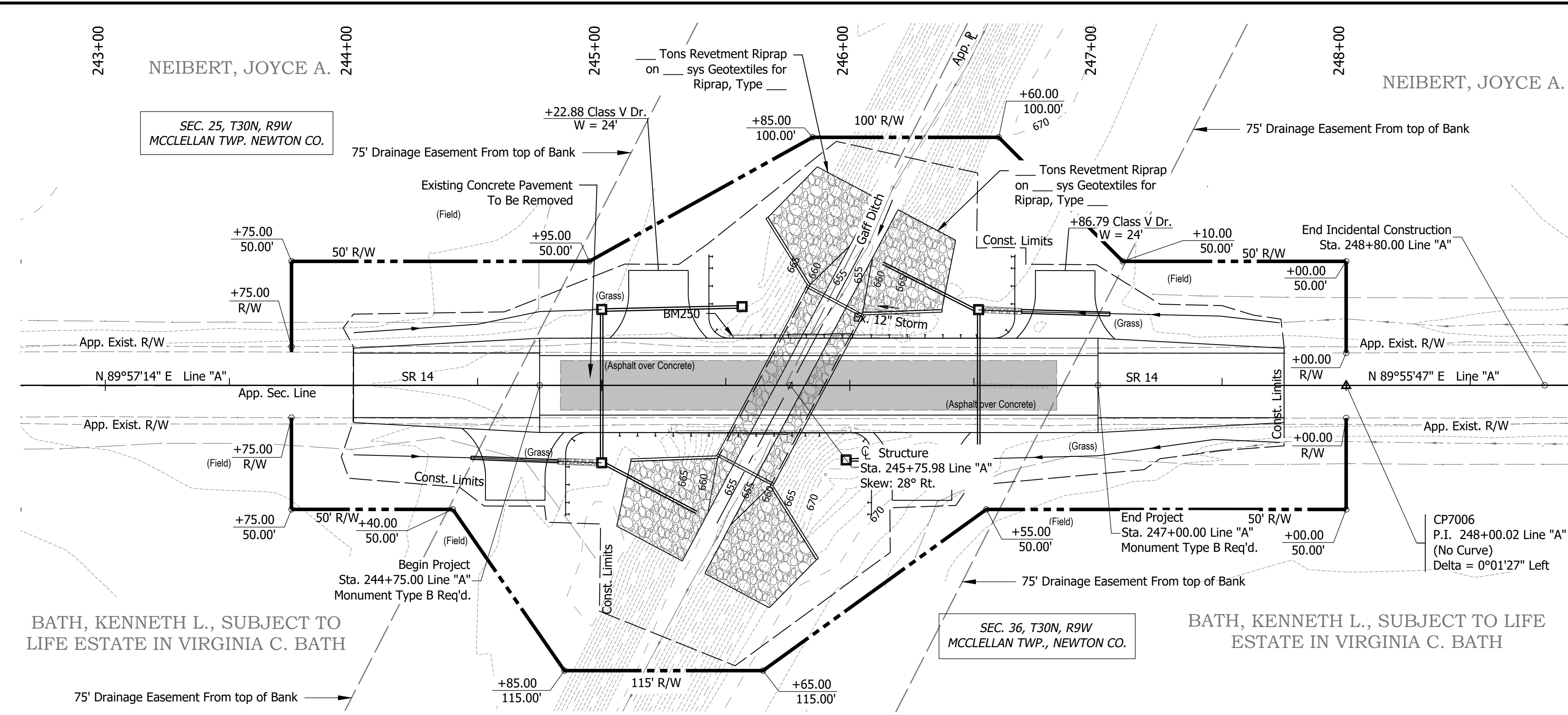
FILL	___ cys
FILL + 15%	___ cys
COMMON EXCAVATION	___ cys
USABLE WATERWAY EXCAVATION	___ cys
BORROW	___ cys
TOTAL WATERWAY EXCAVATION	___ cys
EXCAVATION FOUNDATION UNCLASSIFIED	___ cys
BENCHING	___ cys

No direct payment for Benching. Benching will not be paid for as Common Excavation.

**NOTES**

- See Plan and Profile Sheet for approach work, incidental construction and addition details.
- M.S.L. = Mean Sea Level.
- See Sheet 2 for utility owners and control point information.

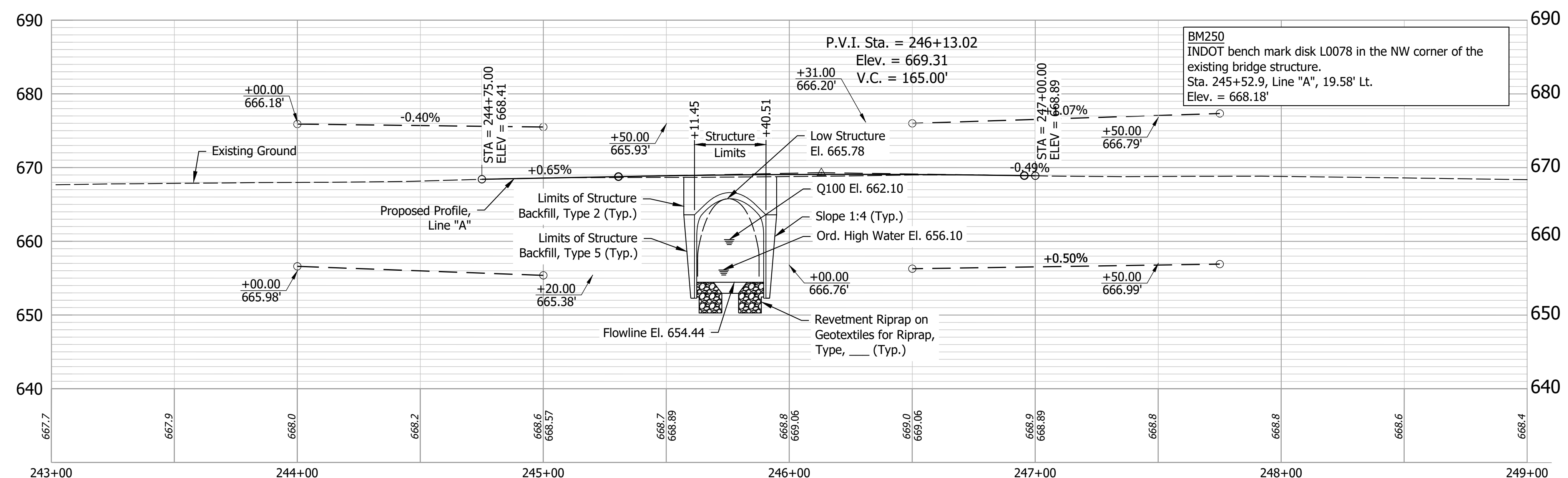
**PRECAST REINFORCED CONCRETE  
THREE-SIDED STRUCTURE**  
SPAN: 24'-0"; RISE: 13'-6"  
SPAN: 27' 2 1/8" ALONG  $\hat{C}$  ROADWAY  
38'-0" CLEAR ROADWAY; 28° SKEW RT.  
SR 14 OVER GAFF DITCH  
NEWTON COUNTY



BATH, KENNETH L., SUBJECT TO LIFE ESTATE IN VIRGINIA C. BATH

BATH, KENNETH L., SUBJECT TO LIFE ESTATE IN VIRGINIA C. BATH

75' Drainage Easement From top of Bank  
All R/W and existing topography described from Line "A" unless otherwise noted.  
See Sheet 2 for utility owners and control point information.  
Line "A" to be constructed.

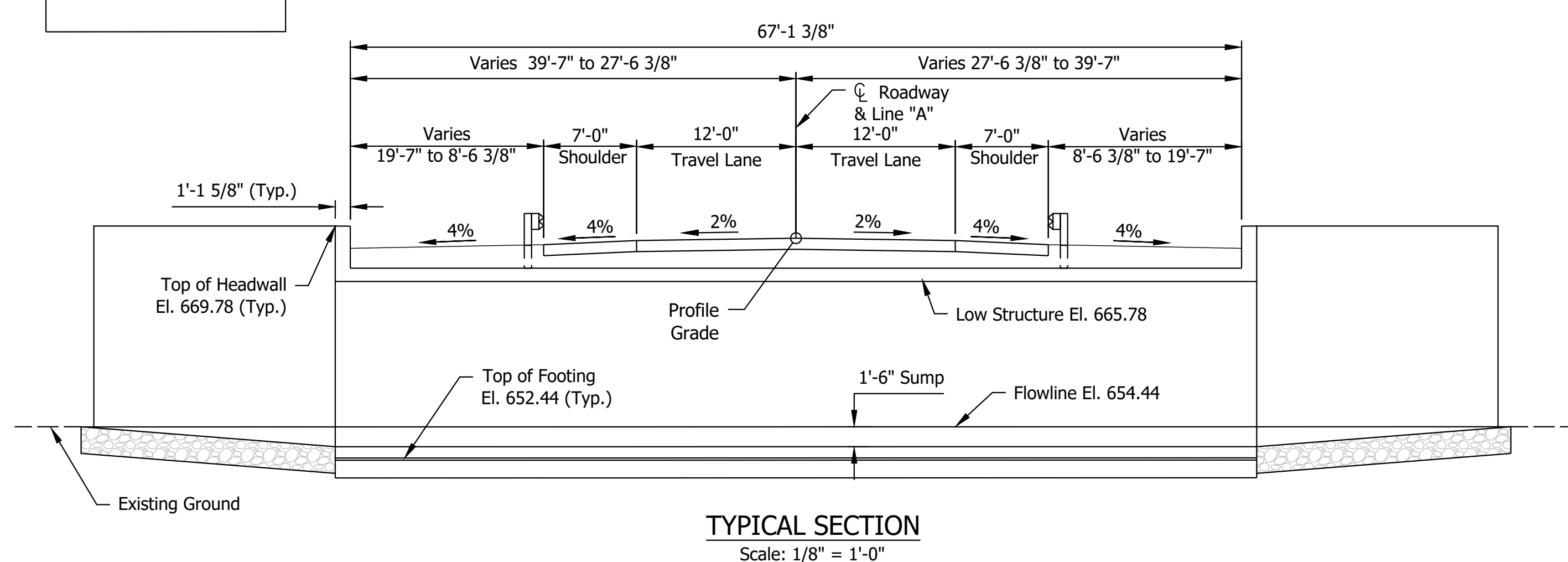
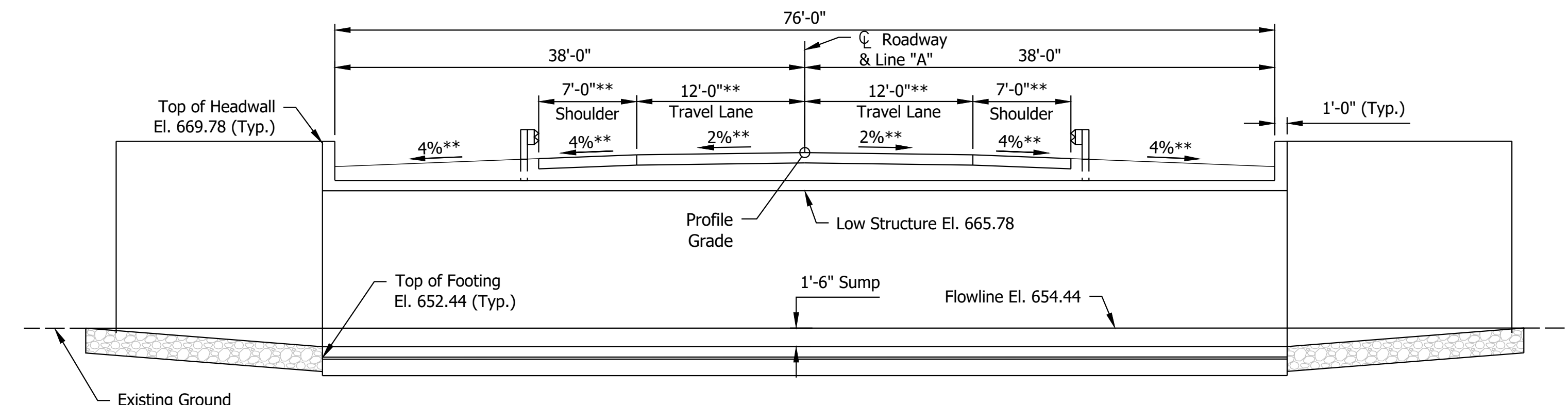
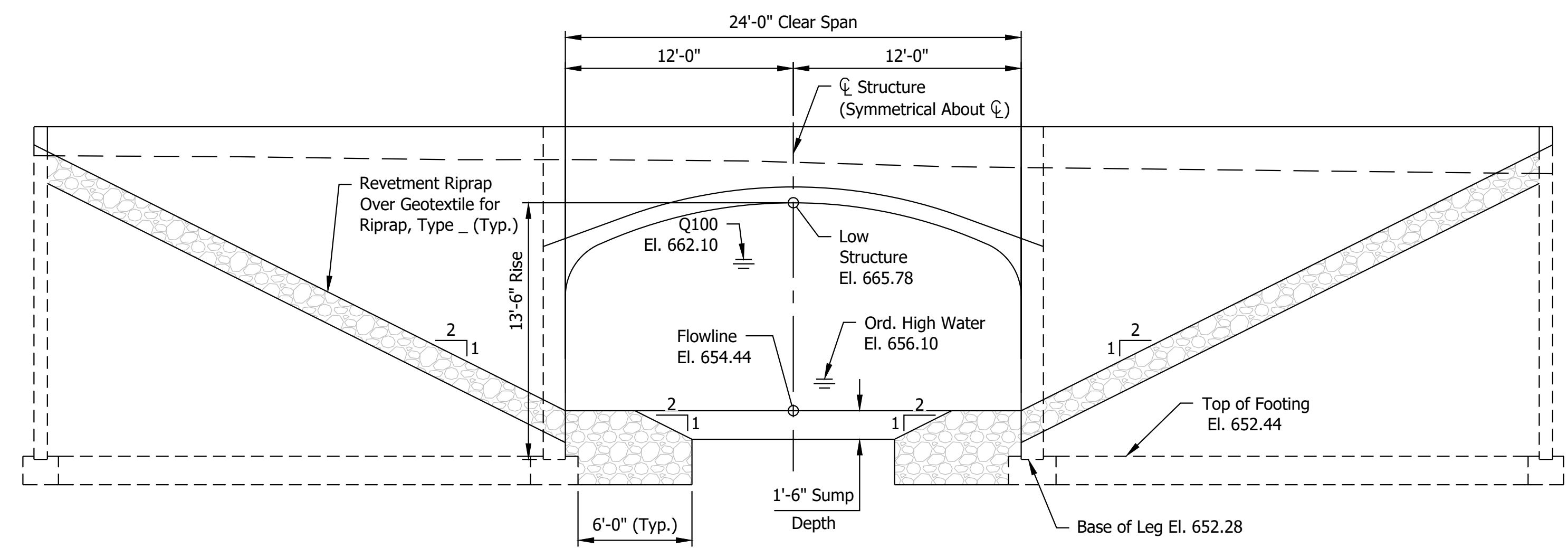
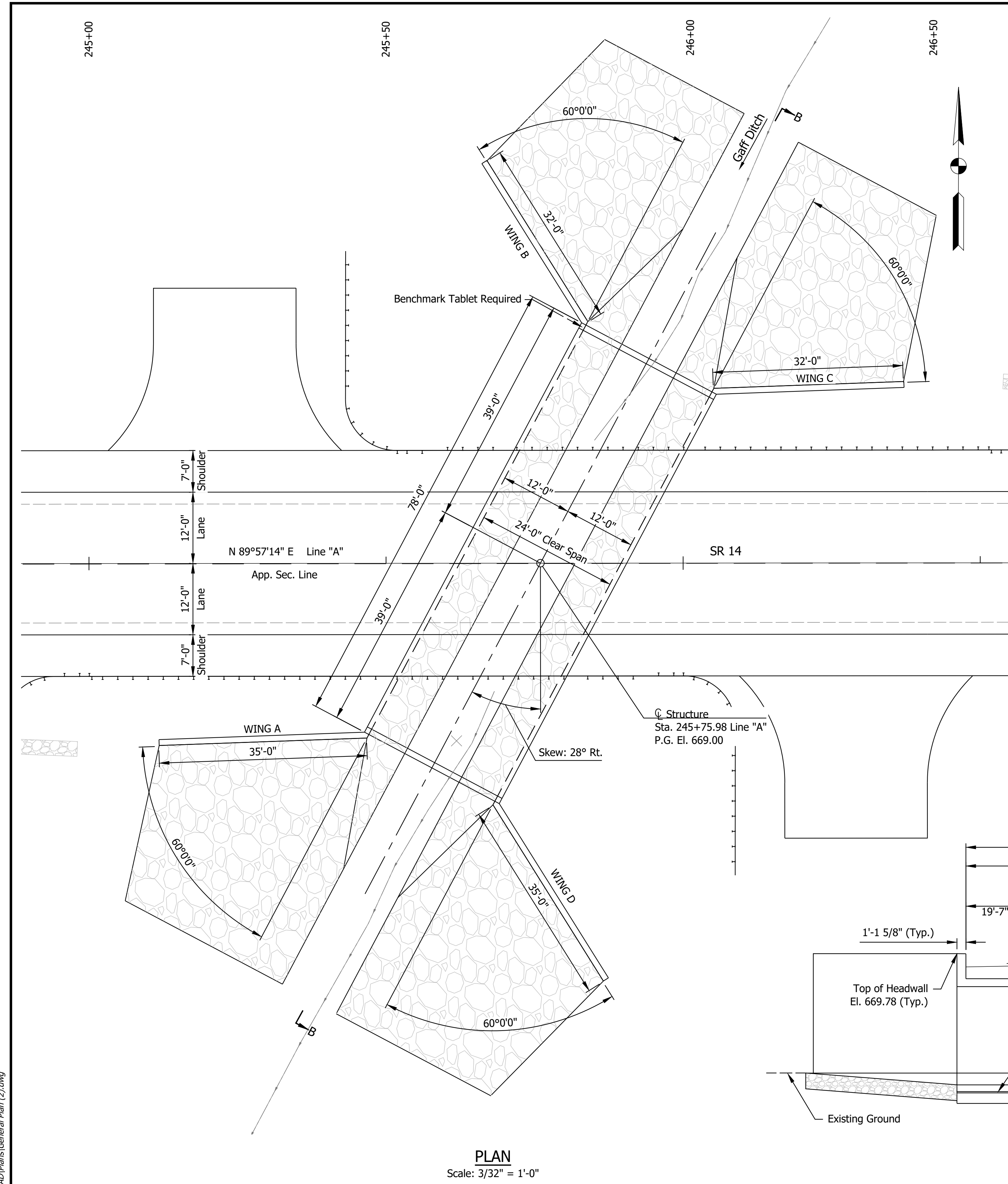


Date: Feb 24, 2020, 1:34pm User Name: BStutzman File: S:\\_2017\171217-03721\_DBD\Bridges\CAD\Plans\Layout.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EIG	DRAWN: DJG	
CHECKED: ACS	CHECKED: EIG	

INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 10'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 7 of 17
CONTRACT B-40608	PROJECT 1700076



**DESIGN DATA**

**Live Load**  
Designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017 and its subsequent interims.

**Dead Load**  
Actual weight plus 35 PSF for future wearing surface.

**NOTES**

1. An alternate flat top, precast, reinforced concrete, three-sided structure with a 24'-0" perpendicular span and a 13'-6" rise may be substituted for the structure shown.
2. A true-arch structure will not be permitted at this location.
3. Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

**PRECAST REINFORCED CONCRETE  
THREE-SIDED STRUCTURE**  
SPAN: 24'-0"; RISE: 13'-6"  
SPAN: 27' 2 1/8" ALONG  $\bar{C}$  ROADWAY  
38'-0" CLEAR ROADWAY; 28° SKEW RT.  
SR 14 OVER GAFF DITCH  
NEWTON COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: EJG	DRAWN: DJG	
CHECKED: ACS	CHECKED: EJG	

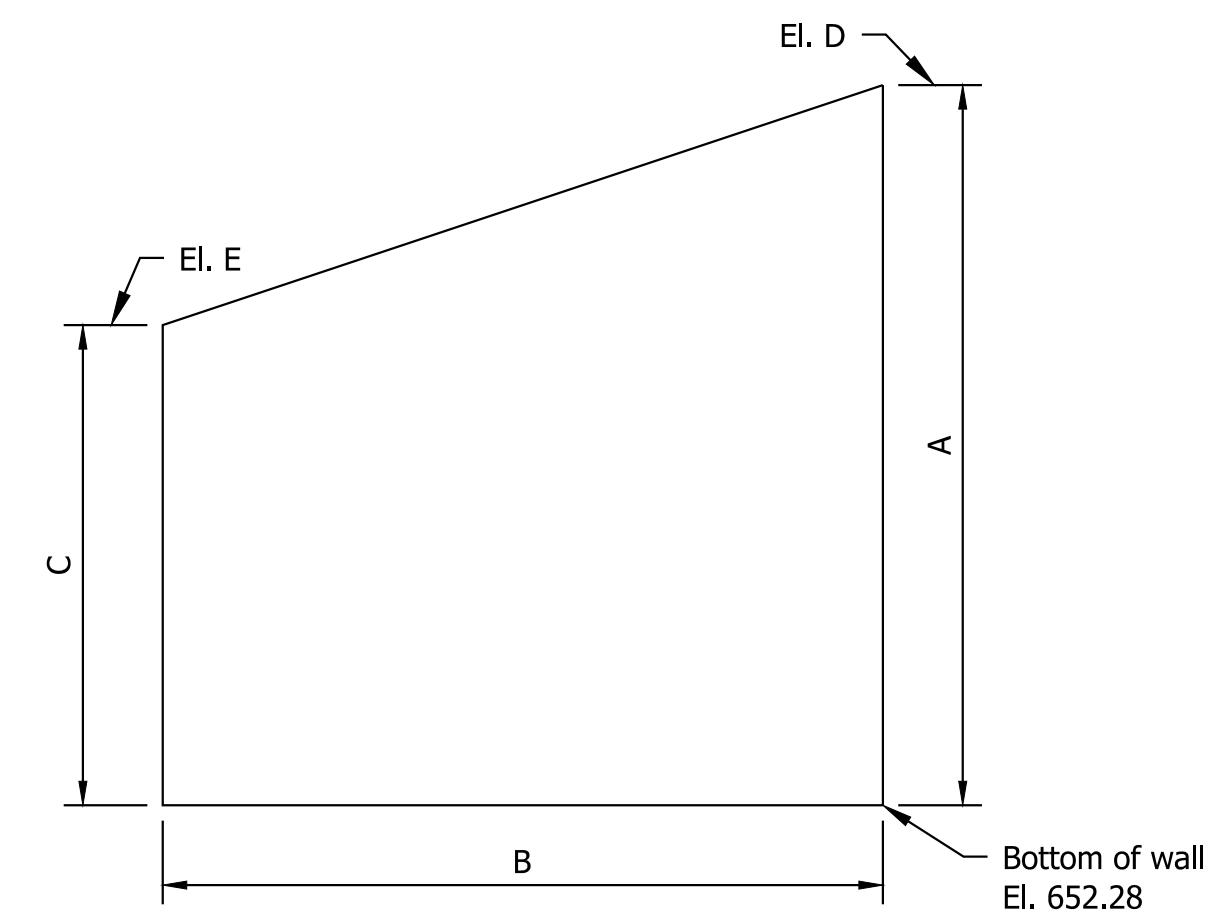
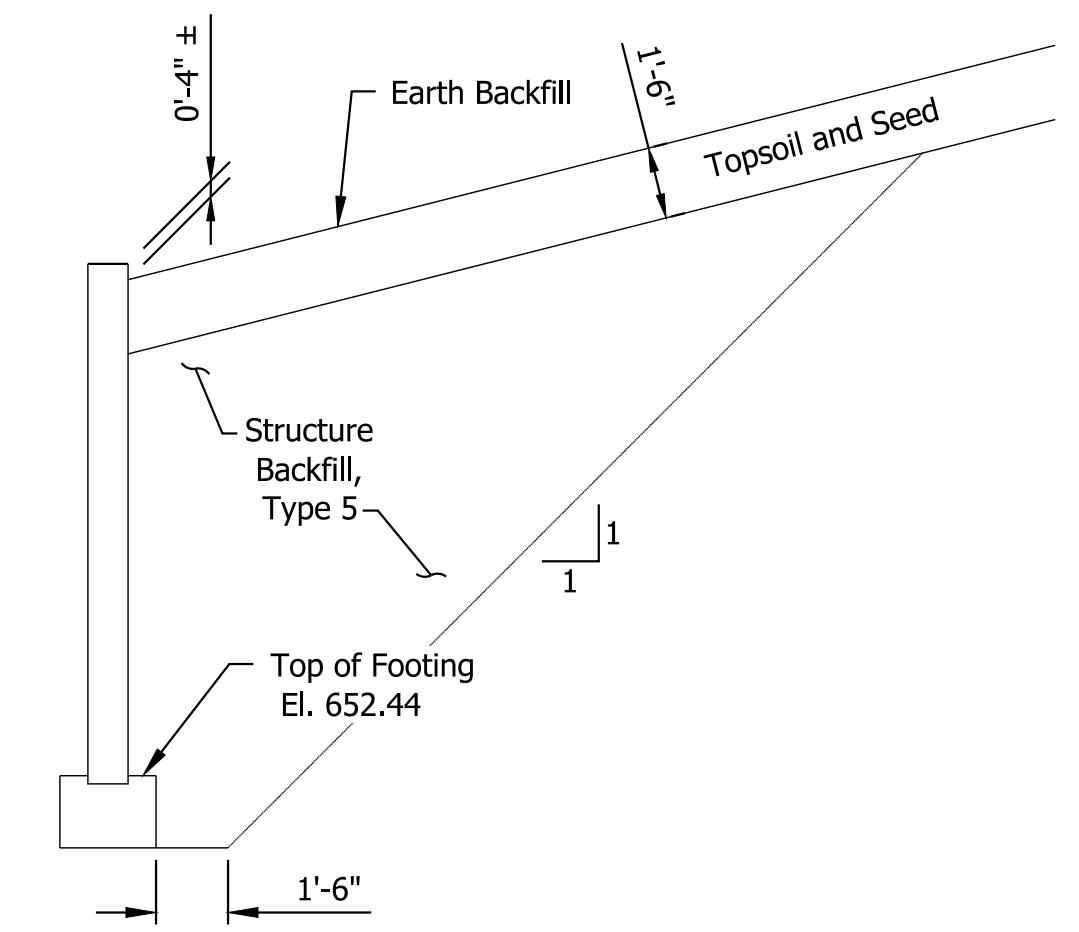
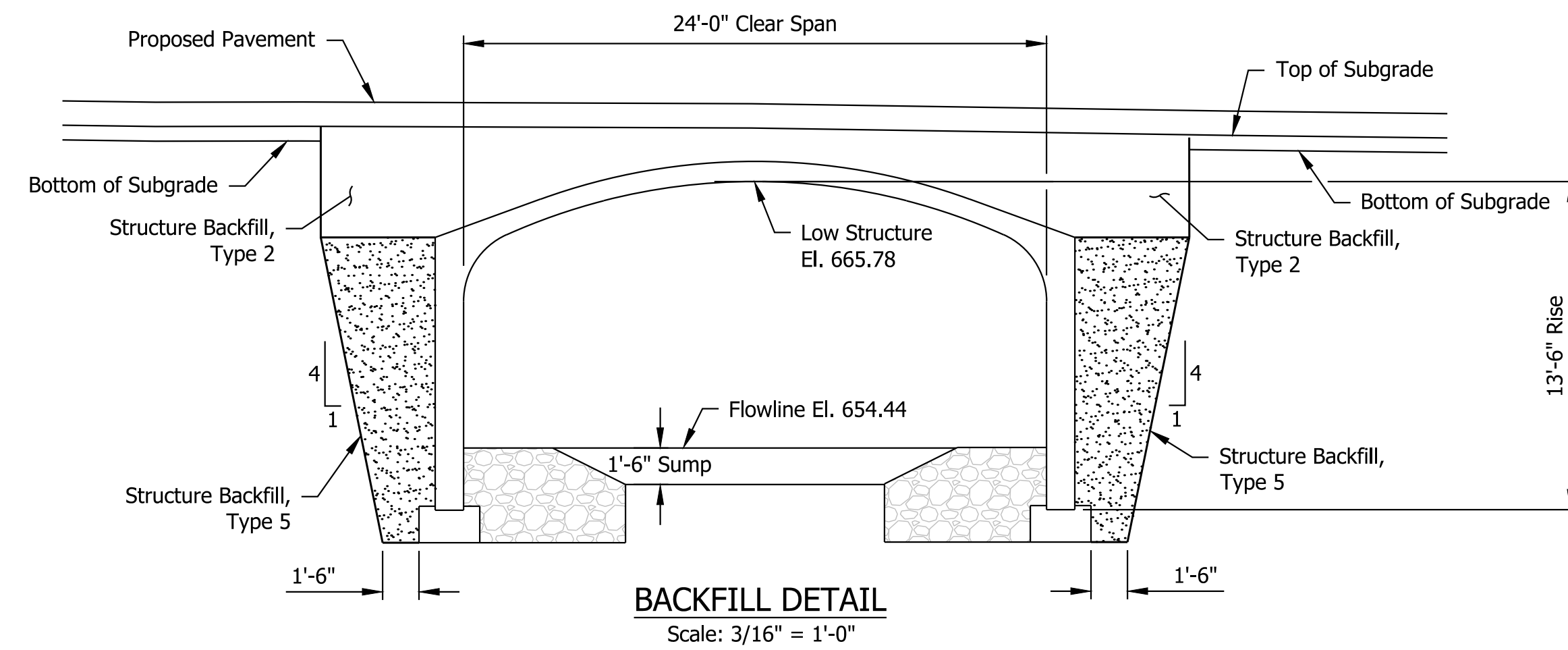
INDIANA  
DEPARTMENT OF TRANSPORTATION

**GENERAL PLAN**

HORIZONTAL SCALE	BRIDGE FILE
As Noted	014-56-10319
VERTICAL SCALE	DESIGNATION
As Noted	1700076
SURVEY BOOK	SHEET
ELECTRONIC	8 of 17
CONTRACT	PROJECT
B-40608	1700076

Date: Feb 24, 2020, 1:24pm, User Name: RStrueman  
 File: S:\\_L\2017\21-4321\Drawings\Bridges\CAD\Plans\General Plan (2).dwg





WINGWALL TABLE				
Location	Wing A	Wing B	Wing C	Wing D
Dimension A				
Dimension B				
Dimension C				
Elevation D	669.78	669.78	669.78	669.78
Elevation E				
Area (SFT)				
	Total (SFT) _____			

SOIL PARAMETERS FOR WINGWALL DESIGN	
Resistance Factor ( $\phi_b$ )	--
Nominal Bearing Capacity ( $Q_n$ )	-- ksf
Factored Bearing Resistance ( $Q_r$ )	-- ksf
Angle of Friction of Backfill Material	--°
Friction Factor ( $\tan \delta$ ) of the Foundation Soil	--
Angle of Internal Friction of the Foundation Soil ( $\phi$ )	--°
Ultimate Cohesion of Foundation Soil ( $c$ )	--- psf
Ultimate Adhesion Between Foundation Soil and Poured Concrete Footing ( $C_a$ )	-- psf

**WINGWALL DETAIL**  
Scale: 1/4" = 1'-0"

PRECAST REINFORCED CONCRETE  
THREE-SIDED STRUCTURE  
SPAN: 24'-0"; RISE: 13'-6"  
SPAN: 27' 2 1/8" ALONG  $\bar{C}$  ROADWAY  
38'-0" CLEAR ROADWAY; 28° SKEW RT.  
SR 14 OVER GAFF DITCH  
NEWTON COUNTY

Date: Feb 24, 2020, 1:24pm, User: Alameer, RStrueman, File: S:\\_L\2017\217-4372\000\Bridges\CAD\Plans\General Plan (2).dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____	EJG	DRAWN: _____
_____	DJG	_____
CHECKED: _____	ACS	CHECKED: _____
_____	EJG	_____

INDIANA DEPARTMENT OF TRANSPORTATION
GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
As Noted	014-56-10319
VERTICAL SCALE	DESIGNATION
As Noted	1700076
SURVEY BOOK	SHEET
ELECTRONIC	9 of 17
CONTRACT	PROJECT
B-40608	1700076

### SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE				CONCRETE RAILING CLASS C	REINF. BARS LBS	REINF. BARS, EPOXY COATED LBS	RAILING STEEL LFT	BARRIER DELINEATORS EACH	REINF. CONC. BRIDGE APPROACH (SIZE) SYS	DENSE GRADED SUBBASE CYS	STRUCT. STEEL LBS	ANCHOR PLATES MK-AP EACH	PILES												GRATES, BASINS, & FITTINGS, CAST IRON LBS	EXP. JOINT TYPE LFT	CONC. STR. MEMBERS		SURFACE SEAL SFT					
	CLASS C	CLASS A	CLASS B	CLASS B										STEEL PIPE (SIZE) LFT	STEEL PIPE EPOXY COATED (SIZE) LFT	STEEL H (SIZE) LFT	STEEL H EPOXY COATED LFT	STEEL H REINF. CONC. ENCASED LFT	TEST PILE, DYNAMIC, PRODUCTIO N LFT	TEST PILE, DYNAMIC, RESTRICKE EACH	PILE SHOE (SIZE) EACH	PILE TIP STEEL H (SIZE) EACH	CORED HOLE IN ROCK		BOX BEAM TYPE & SIZE LFT			I-BEAM TYPE & SIZE LFT							
	SUPERSTR	SUBSTR	ABOVE FTG.	IN FTG.										NO.	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH	LFT	LFT											
	CYS	CYS	CYS	CYS										CYS	LBS	LBS	LFT	EACH	CYS	LBS	EACH	LFT	LFT	LFT	LFT			LFT	LFT						
Str 245+76.98 Line "A"																																			

Date: Feb 24, 2020, 1:25pm User: Alameer, RSturman  
 File: S:\\_2017\217-4372\LD\Bridges\CAD\Misc\Days\Bridges Summary.dwg

RECOMMENDED FOR APPROVAL _____ <small>DESIGN ENGINEER</small>	____/____/____ <small>DATE</small>
DESIGNED: <u>      EJG      </u> DRAWN: <u>      DJG      </u>	CHECKED: <u>      ACS      </u> CHECKED: <u>      EJG      </u>

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 BRIDGE SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
N/A	014-56-10319
VERTICAL SCALE	DESIGNATION
N/A	1700076
SURVEY BOOK	SHEET
ELECTRONIC	10 of 17
CONTRACT	PROJECT
B-40608	1700076

**PAVEMENT QUANTITIES AND APPROACH TABLE**

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RAADI	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES, TYPE B	HMA MATERIALS				HMA MATERIALS				COMPACTED AGGREGATE NO. 53			SUBGRADE TREATMENT, TYPE 1B	MILLING, ASPHALT, 1.5 IN.	GEOTEXTILES FOR PAVEMENT, TYPE 1B	REMARKS				
						COMPACTED AGGREGATE BASE	HMA	CONCRETE					LBS. PER SYS		LBS. PER SYS		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE INTERMEDIATE	LIQUID ASPHALT SEALANT	ASPHALT FOR TACKCOAT	DEPTH										
													1	2	3	4					CUT	FILL	3 IN					10 IN	6 IN		
													%	%	%	%					CYS	CYS	TON					TON	TON		
SR 14		FT	FT	FT	FT	SYS	SYS	SYS			FT	TON	TON	TON	TON	TON	TON	LFT	LFT	LFT	TON	CYS	TON	TON	SYS	SYS	SYS				
244+00.00 to 244+75.00	Mainline	Varies	75.0											23.7		9.6	12.3	225.0	150.0	225.0	0.1	6.6	24.4				116.7	220.1	116.7		
244+75.00 to 247+00.00	Mainline	38	225.0											78.4		131.3	158.6	675.0	675.0	675.0	0.7	53.1	73.0				914.4	0.0	914.4		
247+00.00 to 247+75.00	Mainline	Varies	75.0											23.5		9.6	12.3	225.0	150.0	225.0	0.1	6.6	24.4				116.7	218.8	116.7		
<b>Approaches</b>																															
244+65.17	Class V	24		25/25																											
244+22.88	Class V	24		25/25																											
246+29.07	Class V	24		25/25																											
246+86.79	Class V	24		25/25																											
<b>TOTAL</b>														<b>126</b>		<b>151</b>		<b>184</b>	<b>1125</b>	<b>975</b>	<b>1125</b>	<b>1</b>	<b>67</b>	<b>205</b>				<b>1148</b>	<b>439</b>	<b>1148</b>	

**STRUCTURE DATA**

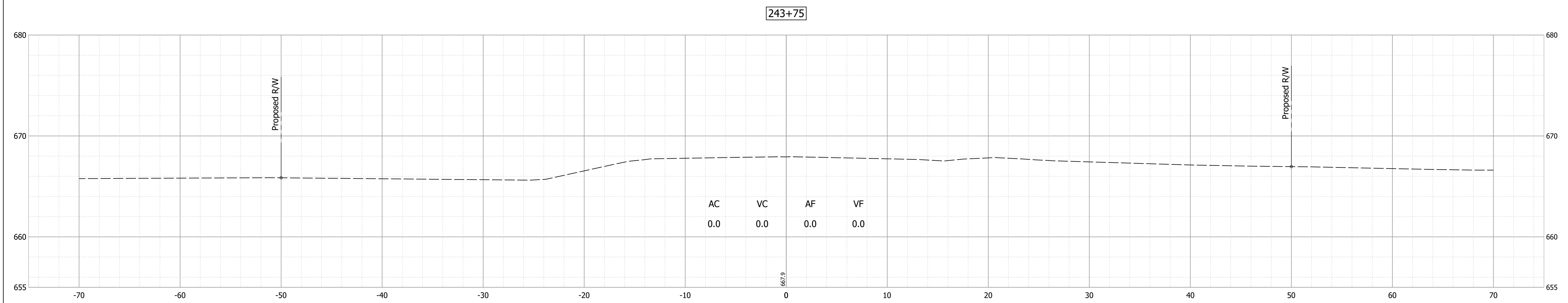
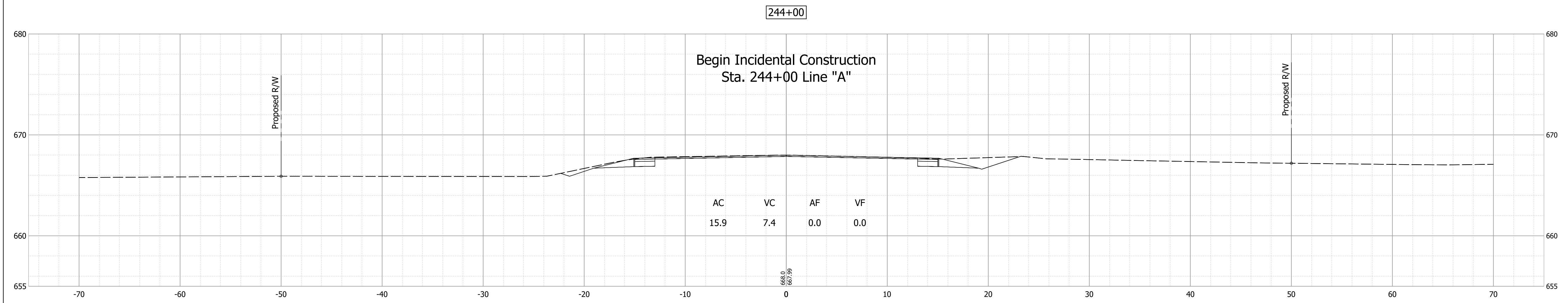
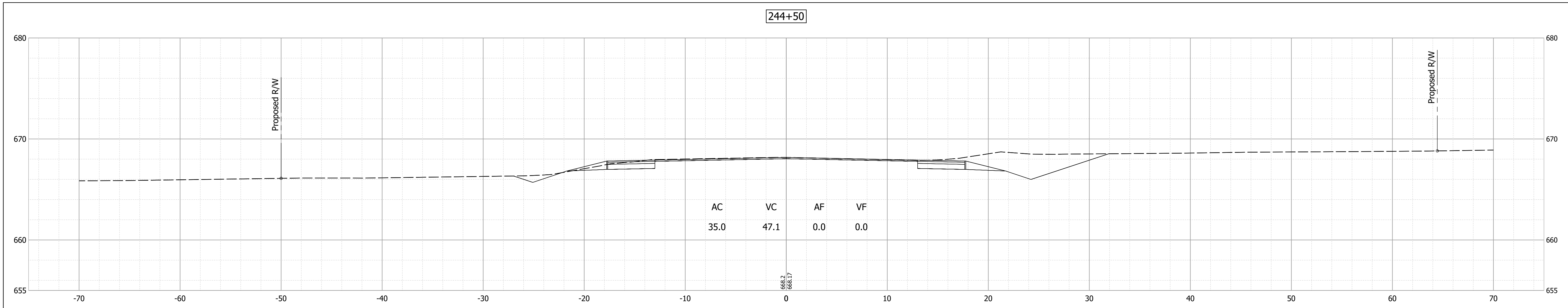
STRUCTURE NUMBER	LOCATION					DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	VIDEO INSPECTION LENGTH	SKEW	COVER		FLOW LINE				SERVICE LIFE YRS	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2	GEOTEXTILES for RIPRAP TYPE 1B	REVETMENT RIPRAP	PIPE REMOVE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS											
	STATION	LEFT	RIGHT	CROSS	OFFSET					SIZE	PIPE TYPE	MIN FT	MAX FT	UP STREAM	DOWN STREAM										SUMP DEPTH	TOP OF CASTING ELEV.	TYPE	SLOPE	EA.	TYPE				SLOPE	EA.									
																																				LFT	LFT	ELEV.	ELEV.	IN.	ELEV.	TYPE	SLOPE	EA.
11	245+00.00		X		31	12	2					663.21	663.00	2.5	665.38																													
12	245+00.00	X			31	12	2					663.50	663.21	2.5	665.50																													
13	245+57.00	X			32	12	2					663.77	663.50	2.5	666.50																													
14	245+99.00		X		30	12	2					664.66	664.29	2.5	666.67																													
15	246+52.00		X		30	12	2					664.29	664.00	2.5	666.29																													
16	246+52.00	X			30	12	2					664.00	663.80	2.5	666.00								1																					
17	245+65.00		X		30	15	3					666.00	665.59						7	5		2																						
18	246+87.00	X			30	15	3					666.59	666.21						7	5		2																						

**R/W MARKER TABLE**

Line	Station	Offset
A	243+75.00	50 Lt.
A	244+95.00	50 Lt.
A	245+85.00	100 Lt.
A	246+60.00	100 Lt.
A	247+10.00	50 Lt.
A	248+00.00	50 Lt.
A	243+75.00	50 Rt.
A	244+40.00	50 Rt.
A	244+85.00	115 Rt.
A	245+65.00	115 Rt.
A	246+55.00	50 Rt.
A	248+50.00	50 Rt.

Date: Feb 24, 2020, 1:25pm, User: Alameer, RStrucman, File: S:\\_2017\217-4321\Drawings\Road\Misc\Days\Road\_Summary.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ DESIGNED: _____ BSS DRAWN: _____ BSS CHECKED: _____ BKA CHECKED: _____ BKA	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE N/A	BRIDGE FILE 014-56-10319
	ROAD SUMMARY		VERTICAL SCALE N/A	DESIGNATION 1700076
	SURVEY BOOK _____ SHEET _____ ELECTRONIC 11 of 17		PROJECT B-40608 1700076	
	PROJECT		PROJECT	



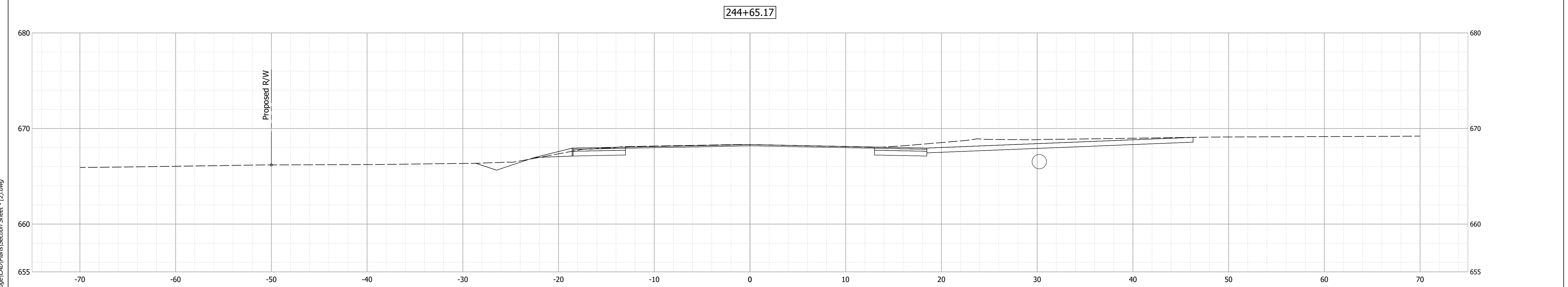
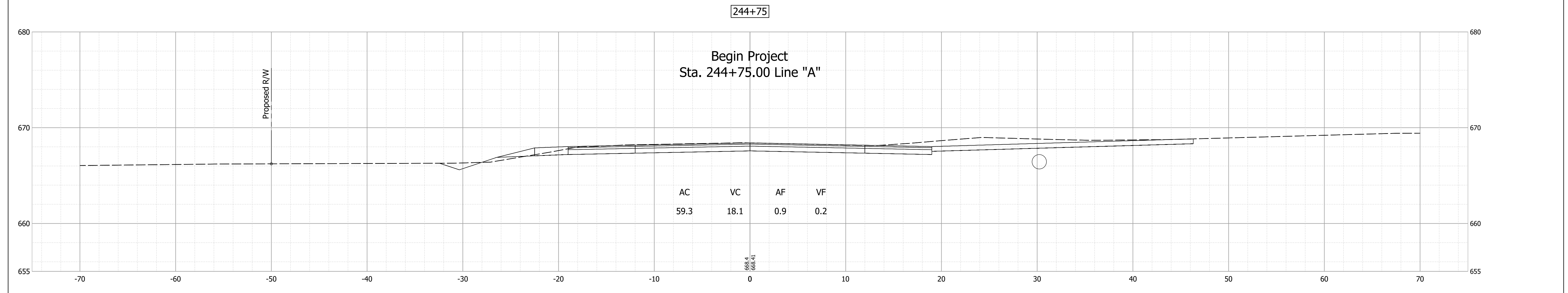
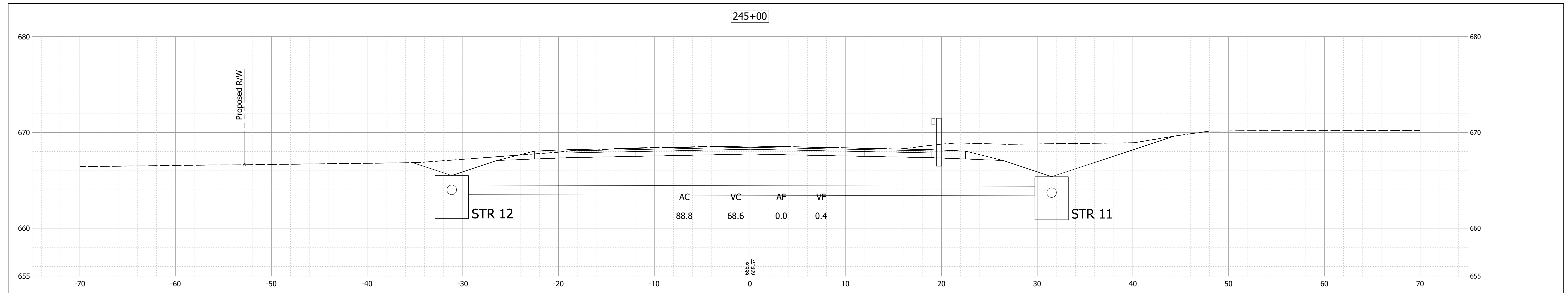
Date: Feb 24, 2020 1:36pm User Name: BSchutzman  
File: S:\\_2017\17-0372\DBD\Bridg\CID\Plans\Section Sheet - (2).dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 12 of 17
CONTRACT B-40608	PROJECT 1700076



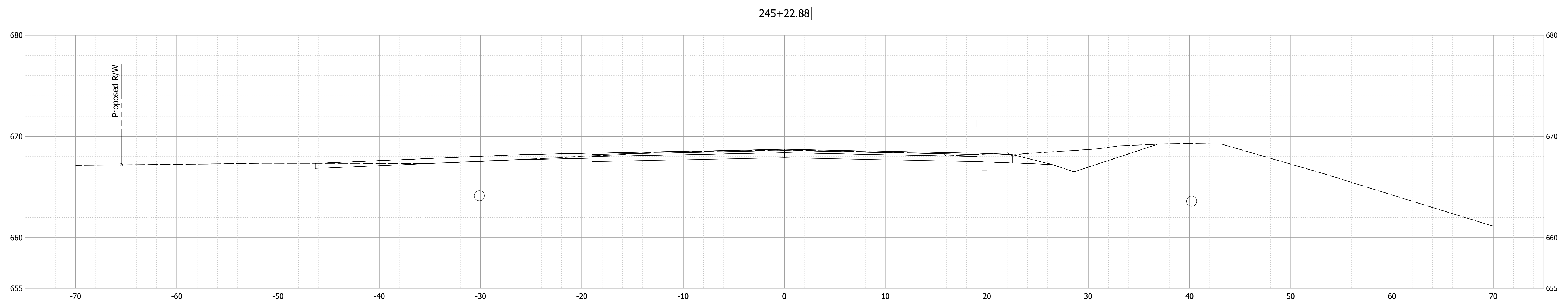
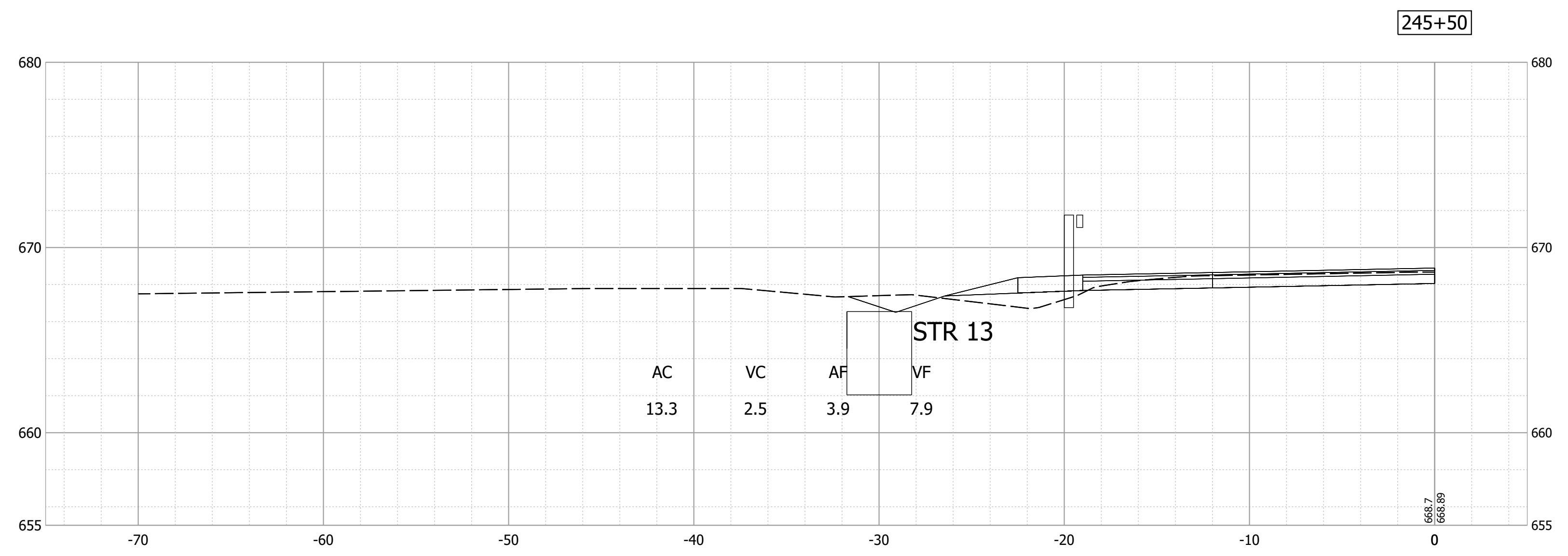
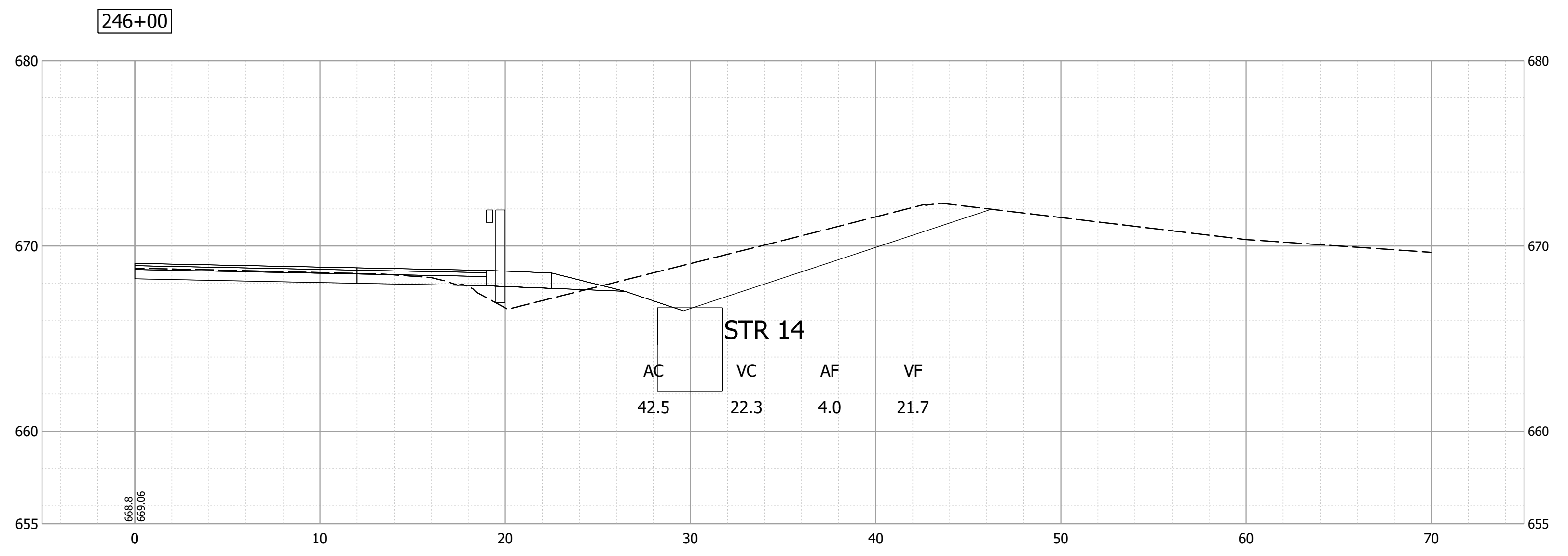
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 13 of 17
CONTRACT B-40608	PROJECT 1700076



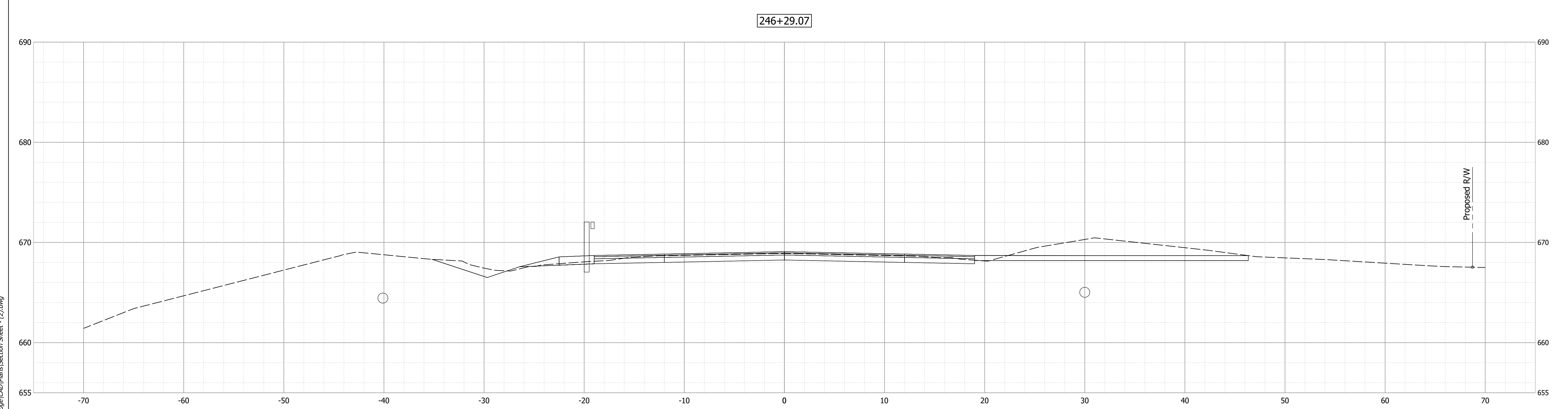
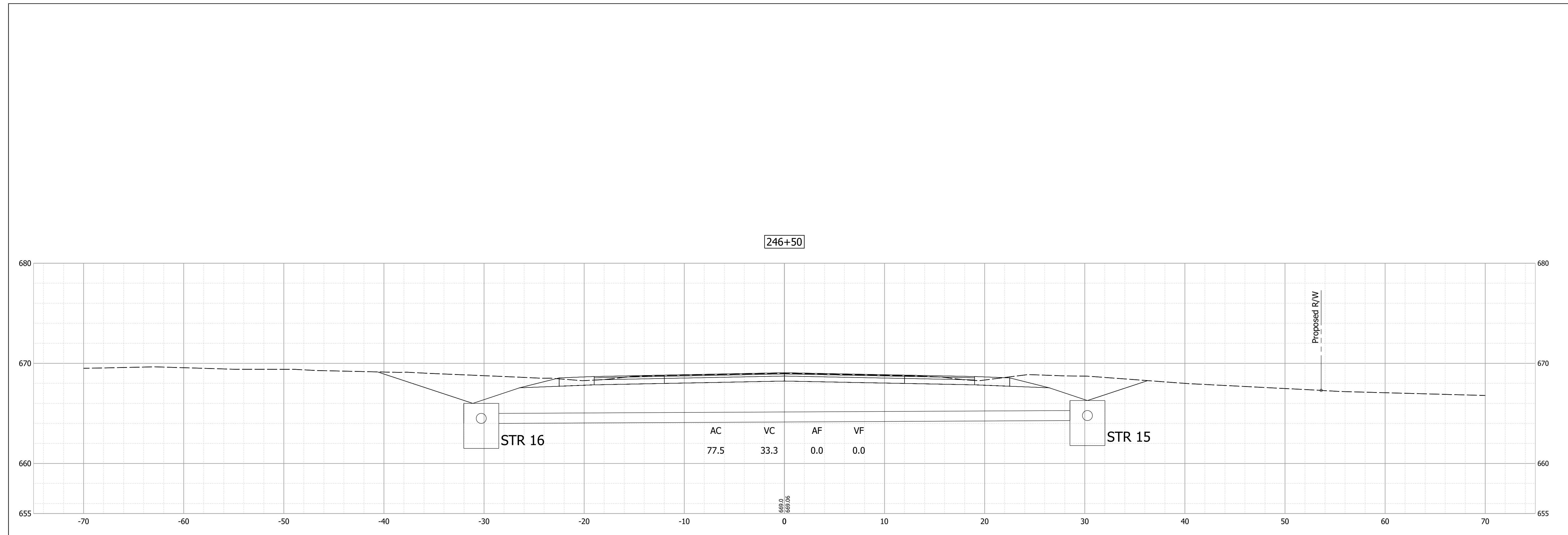
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: _____ MDV _____	DRAWN: _____ MDV _____	
CHECKED: _____ BKA _____	CHECKED: _____ BKA _____	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 14 of 17
CONTRACT B-40608	PROJECT 1700076



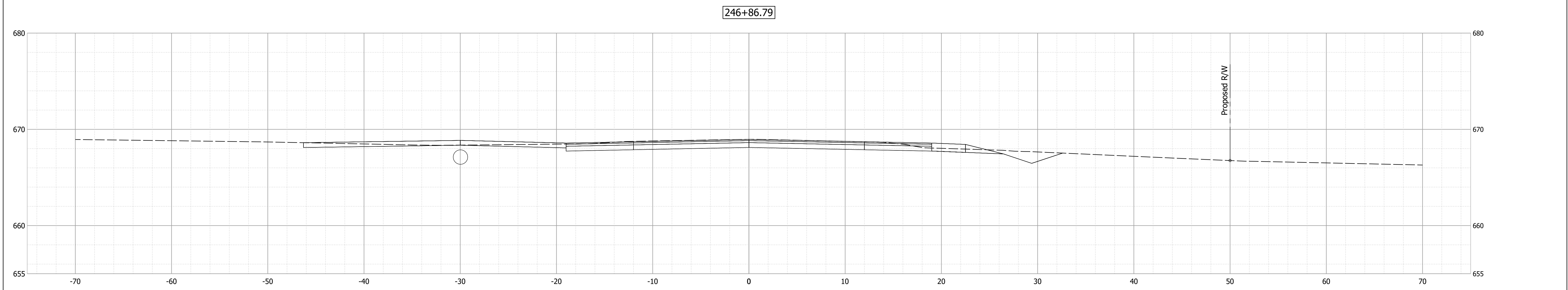
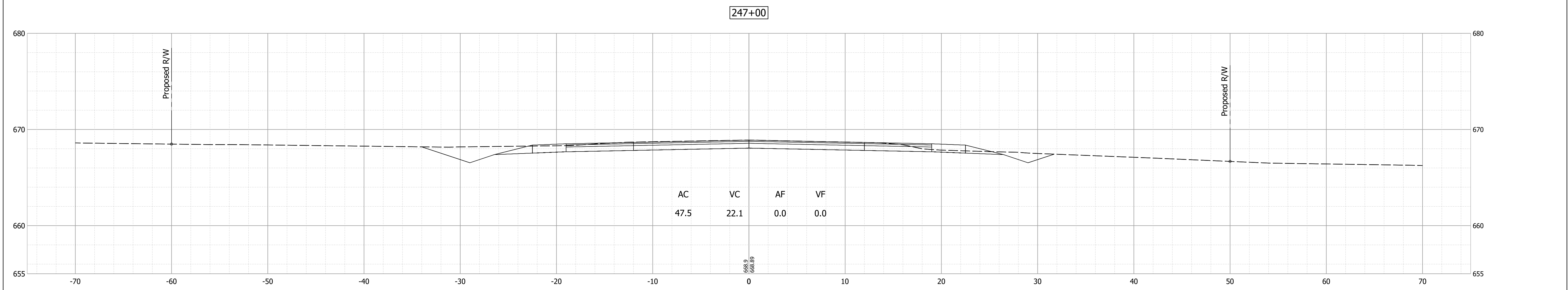
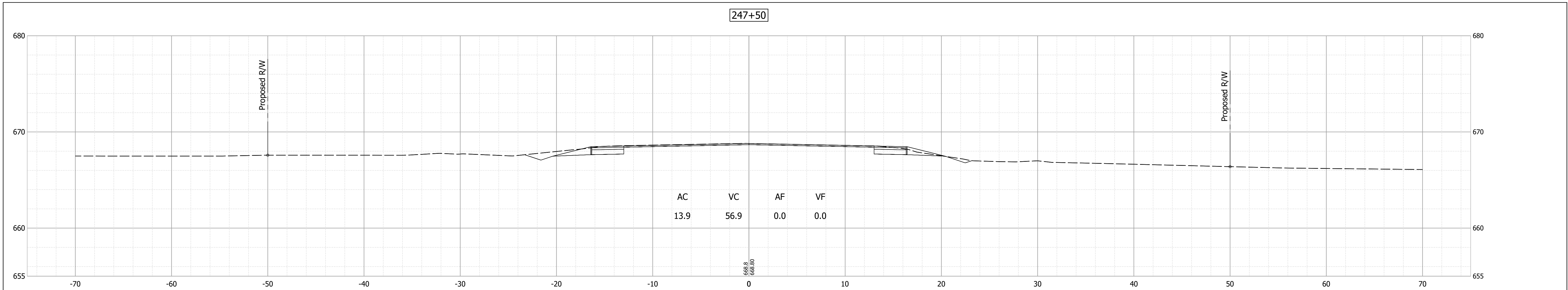
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE ____/____/____
DESIGNED: _____ MDV _____	DRAWN: _____ MDV _____	
CHECKED: _____ BKA _____	CHECKED: _____ BKA _____	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 15 of 17
CONTRACT B-40608	PROJECT 1700076



Date: Feb 24, 2020, 1:36pm User Name: BStutzman  
File: S:\\_2017\17-0372\DBD\Bridg\CID\Plans\Section Sheet - (2).dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

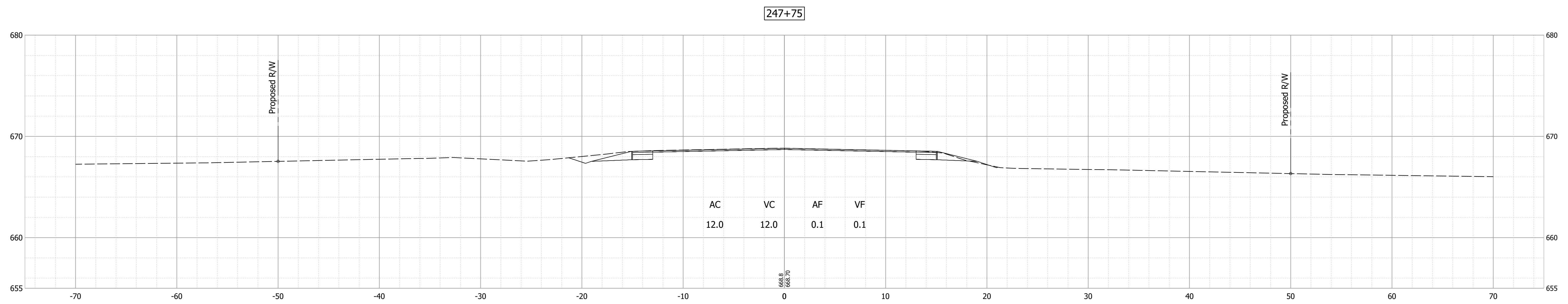
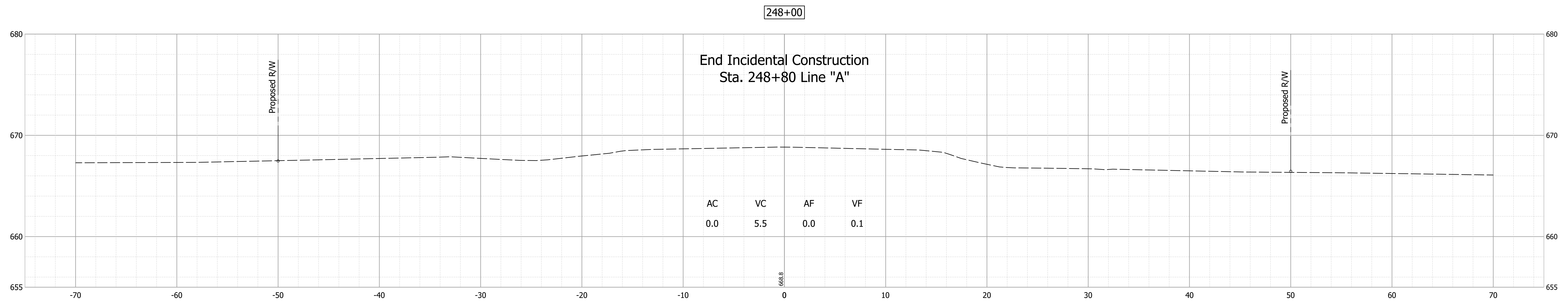
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 16 of 17
CONTRACT B-40608	PROJECT 1700076



Date: Feb 24, 2020 1:36pm User Name: BSchutzman  
 File: S:\\_2017\17-0372\DBD\Bridges\CAD\Plans\Section Sheet - (2).dwg



RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 014-56-10319
VERTICAL SCALE 1" = 5'	DESIGNATION 1700076
SURVEY BOOK ELECTRONIC	SHEET 17 of 17
CONTRACT B-40608	PROJECT 1700076