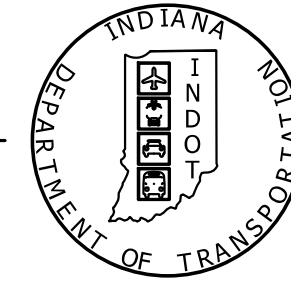


INDIANA  
DEPARTMENT OF  
TRANSPORTATION



# ROAD PLANS

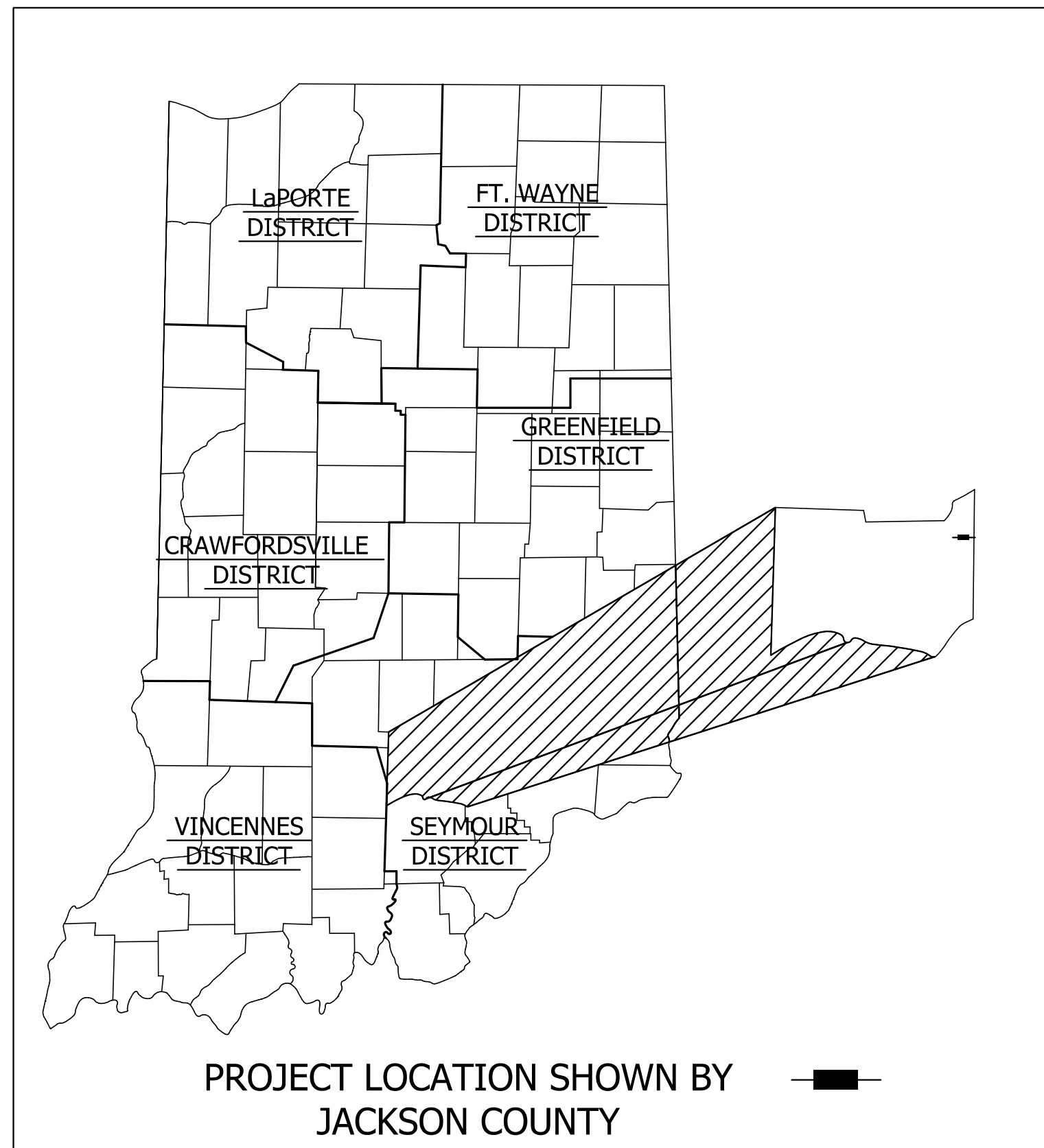
US 50 at CR 1225/1250  
PROJECT NO. 1700161/ 1700162 P.E.  
1700161/ 1700162 R/W  
1700161/ 1700162 CONST.

MOBILITY IMPROVEMENT PROJECT AT THE INTERSECTIONS OF US 50  
& CR 1225 E AND US 50 & CR 1250 E, SECTION 13, T-6-N, R-6-E IN  
THE TOWNSHIP OF SEYMOUR IN JACKSON COUNTY, INDIANA

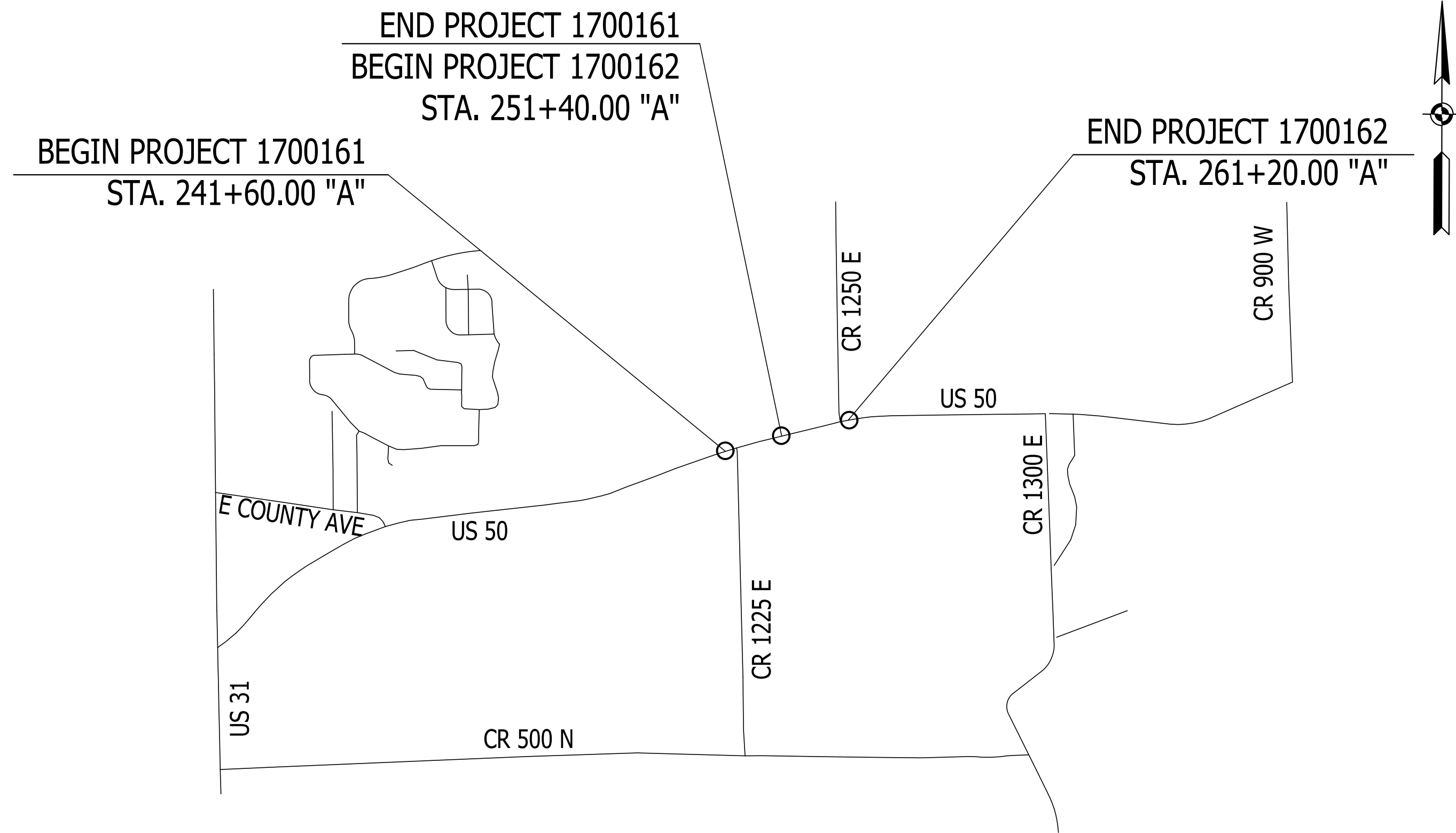
RP 106+1.009 & 106+25

US 50	
<b>TRAFFIC DATA</b>	
A.A.D.T. (2019)	11,857 VPD
A.A.D.T. (2044)	14,786 VPD
D.H.V. (2044)	1,332 VPH
DIRECTIONAL DISTRIBUTION	49.80% POSITIVE
TRUCKS	14.29% A.A.D.T., 6.53% DHV
<b>DESIGN DATA - Rural Area</b>	
DESIGN SPEED	55 MPH
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTION CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

PROJECT	DESIGNATION
1700161/ 1700162	1700161/ 1700162
CONTRACT	BRIDGE FILE
R-41582	AS NOTED



Latitude 38°57'57" N Longitude 85°48'40" W



**NOTE TO REVIEWER**  
A Level 1 Design Exception is being requested:  
DES 1700161 & DES 1700162  
1. Superelevation Rate  
2. Superelevation Transition Length  
3. Through Travel Lane Cross Slope  
DES 1700162  
1. Usable Shoulder Width

NOTE TO REVIEWER:  
DES NO 1700161 AND 1700162 ARE PACKAGED TOGETHER AS A SINGLE SET OF PLANS.

GROSS LENGTH:	0.37	MI.
NET LENGTH:	0.37	MI.
MAXIMUM GRADE:	1.11	%

HYDROLOGIC UNIT CODES
051202070704

KIN PROJECT INFORMATION	
DES. NO.	PROJECT DESCRIPTION
1700161	US 50 AT CR 1225

LOCATION MAP  
SCALE: 1" = 1,500'

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

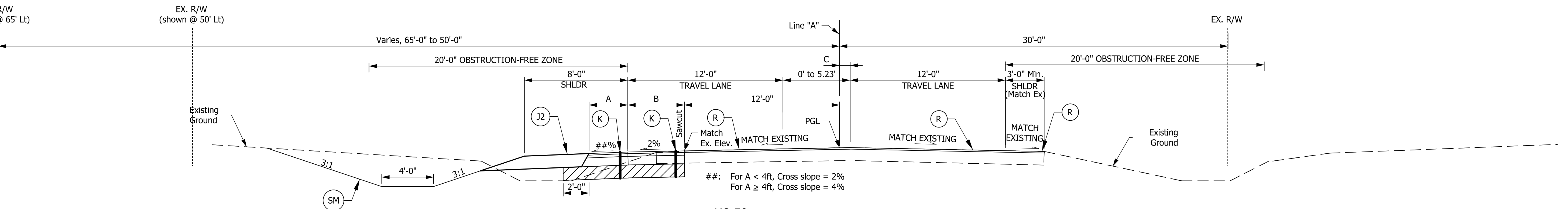
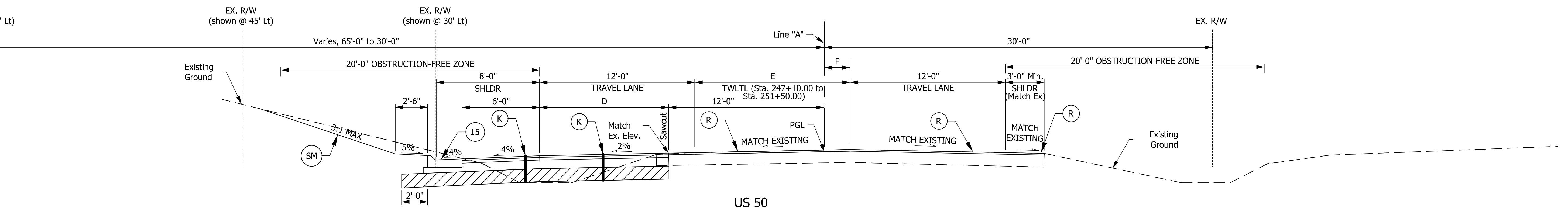
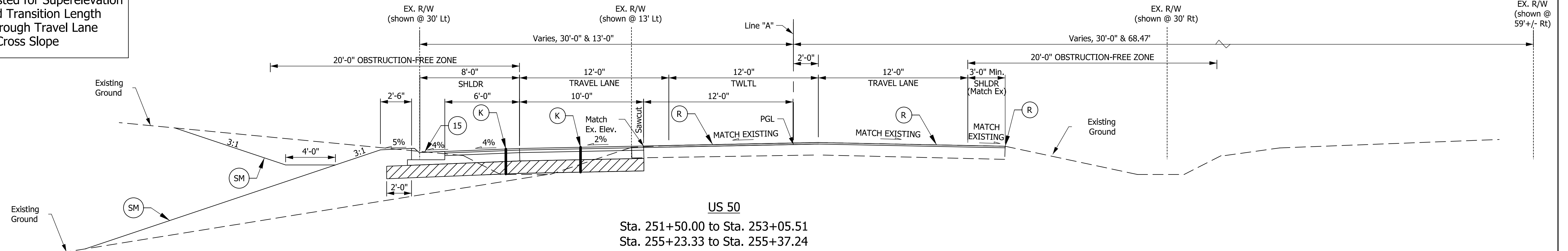
251 N. ILLINOIS ST.  
CAPITOL CENTER SUITE 920  
INDIANAPOLIS, IN 46204  
PHONE (317) 237-2760  
FAX (317) 237-2755

MAY 1, 2020  
STAGE 2 SUBMITTAL

PLANS	BRIDGE FILE
PREPARED BY: BURGESS & NIPLE, INC. (317) 237-2760	N/A
PHONE NUMBER	DESIGNATION
PREPARED BY:	1700161/ 1700162
DATE	DWG. NO. SHEET NO.
FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION	TI-01 1 of 42
APPROVED: DATE	CONTRACT PROJECT
	R-41582 1700161/ 1700162



**NOTE TO REVIEWER**  
 A Level 1 Design Exception is  
 being requested for Superlevation  
 Rate and Transition Length  
 AND Through Travel Lane  
 Cross Slope



**NOTE TO REVIEWER:**  
 PAVEMENT DESIGN WILL  
 DETERMINE NEED FOR  
 UNDERDRAIN.

- LEGEND**
- (K) 165 #/SY QC/QA-HMA, 3, 70, SURFACE, 9.5 mm ON 275 #/SY QC/QA-HMA, 3, 70, INTERM., 12.5 mm ON 880 #/SY QC/QA-HMA, 3, 64, BASE, 25 mm ON SUBGRADE TREATMENT, TYPE IC
  - (R) HMA FOR RESURFACING 165 #/SY QC/QA-HMA, 3, 70, SURFACE 9.5mm ON 1.5" MILLING, ASPHALT
  - (A1) HMA FOR APPROACHES 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 1.5" MILLING, HMA
  - (J2) COMPACTED AGGREGATE, NO. 53
  - (SM) MULCH SEEDING, TYPE R
  - (15) COMBINED CONCRETE CURB AND GUTTER, TYPE B (SLOPING)

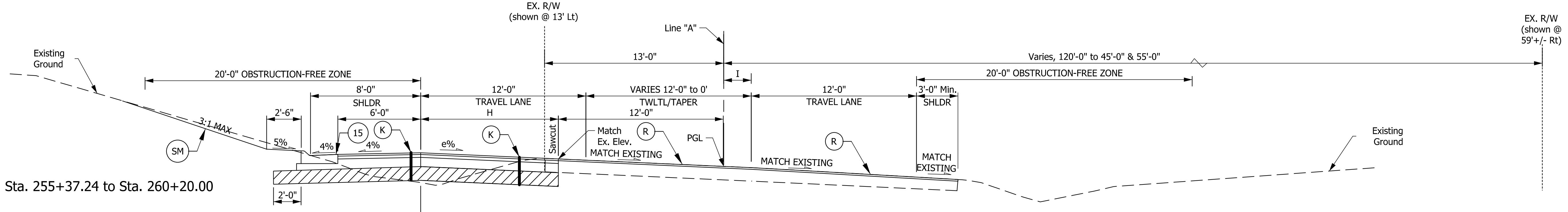
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: SNP	DRAWN: SNP		
CHECKED: KSC	CHECKED: KSC		

<b>INDIANA</b> DEPARTMENT OF TRANSPORTATION		
<b>TYPICAL SECTIONS</b>		

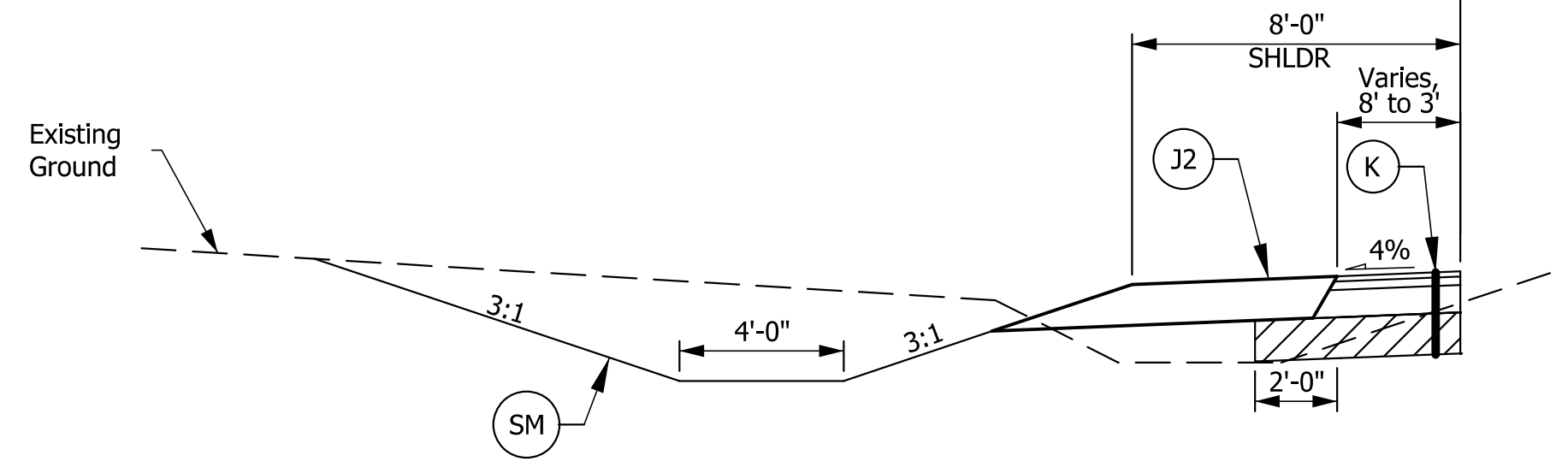
HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE N/A	
VERTICAL SCALE N/A	DESIGNATION 1700161/ 1700162	
SURVEY BOOK	DWG. NO. TS-01	SHEET NO. 3 of 42
CONTRACT R-41582	PROJECT 1700161/ 1700162	

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**NOTE TO REVIEWER**  
A Level 1 Design Exception is being requested for Superelevation Rate and Transition Length AND Through Travel Lane Cross Slope



Sta. 255+37.24 to Sta. 260+20.00

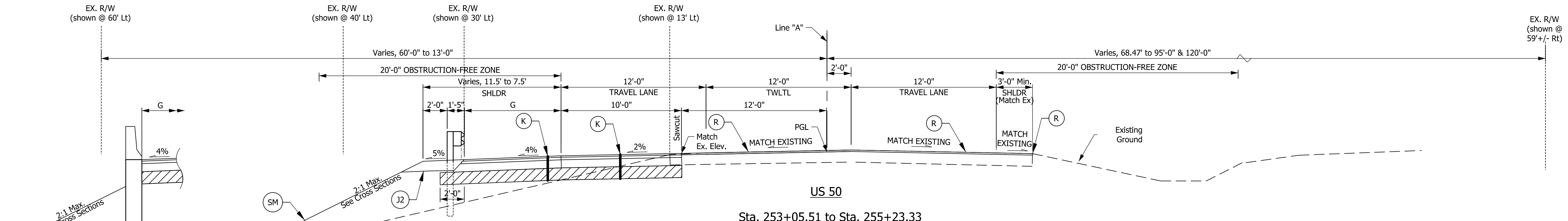


Sta. 260+20.00 to Sta. 261+20.00

**US 50-SUPERELEVATION**

Sta. 255+37.24 to Sta. 261+20.00  
e<sub>max</sub> = 3.0% (NDC = 4.5%)

H:	10'	Sta. 255+37.24 to Sta. 255+70.00
	Varies, 10' to 7'	Sta. 255+70.00 to Sta. 257+35.00
	Varies, 7' to 0'	Sta. 257+35.00 to Sta. 261+20.00
I:	2'	Sta. 255+37.24 to Sta. 255+70.00
	Varies, 2' to 5'	Sta. 255+70.00 to Sta. 257+35.00
	Varies, 5' to 0'	Sta. 257+35.00 to Sta. 261+20.00



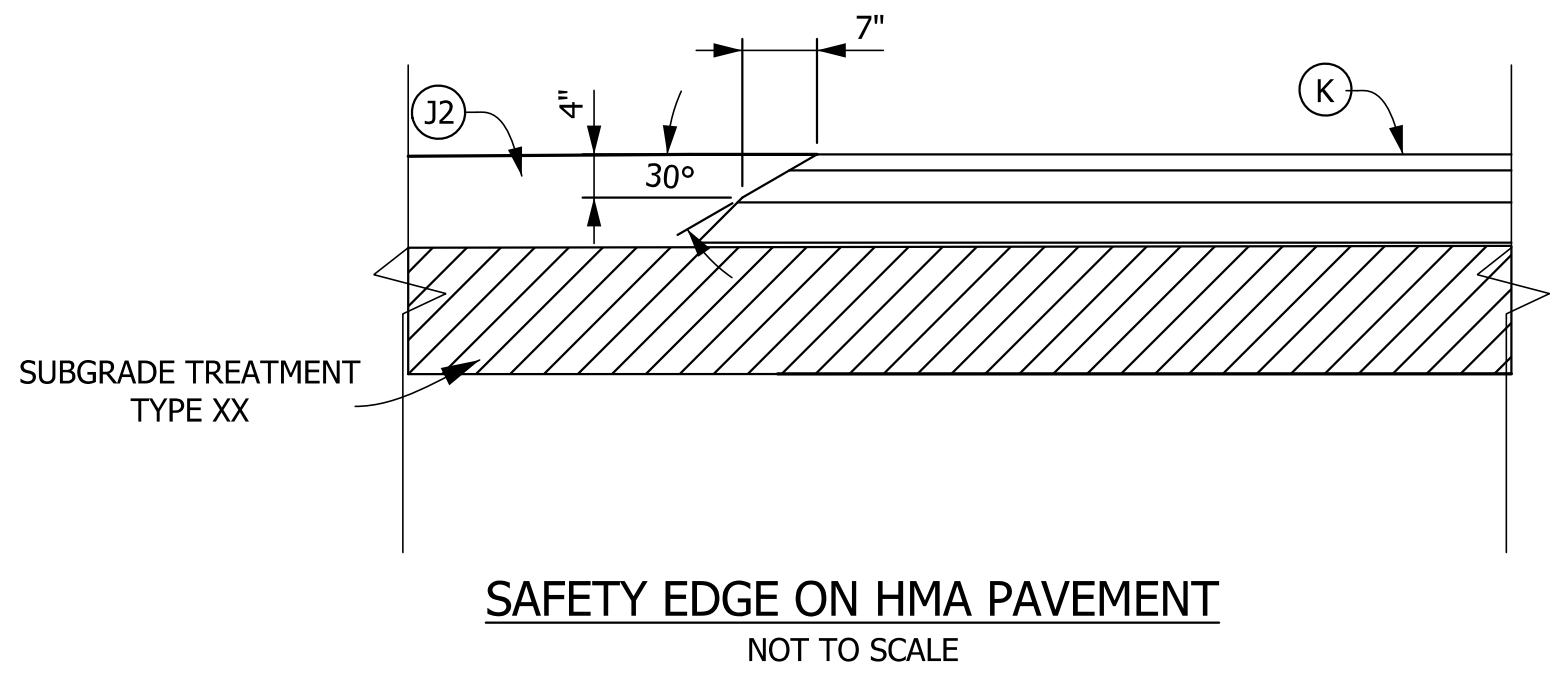
Sta. 253+05.51 to Sta. 255+23.33

GUARDRAIL LIMITS: STA. 252+97.51 "A" TO STA. 253+68.00 "A"  
RETAINING WALL LIMITS: STA. 253+68.00 "A" TO STA. 254+79.80  
GUARDRAIL LIMITS: STA. 254+79.80 "A" TO STA. 255+32.07 "A"

**US 50**

G:	Varies, 8' to 4'	Sta. 253+75.06 to Sta. 254+23.06
	4'	Sta. 254+23.06 to Sta. 254+66.81
	Varies, 4' to 8'	Sta. 254+66.81 to Sta. 255+23.33

**NOTE TO REVIEWER**  
A Level 1 Design Exception is being requested for Usable Shoulder Width at location adjacent to the proposed guardrail



**NOTE TO REVIEWER:**  
PAVEMENT DESIGN WILL DETERMINE NEED FOR UNDERDRAIN.

**LEGEND**

(K)	165 #/SY QC/QA-HMA, 3, 70, SURFACE, 9.5 mm ON 275 #/SY QC/QA-HMA, 3, 70, INTERM., 12.5 mm ON 880 #/SY QC/QA-HMA, 3, 64, BASE, 25 mm ON SUBGRADE TREATMENT, TYPE IC	(A1)	HMA FOR APPROACHES 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 1.5" MILLING, HMA	(SM)	MULCHED SEEDING, TYPE R
(R)	HMA FOR RESURFACING 165 #/SY QC/QA-HMA, 3, 70, SURFACE 9.5mm ON 1.5" MILLING, ASPHALT	(J2)	COMPACTED AGGREGATE, NO. 53		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SNP	DRAWN: SNP	
CHECKED: KSC	CHECKED: KSC	

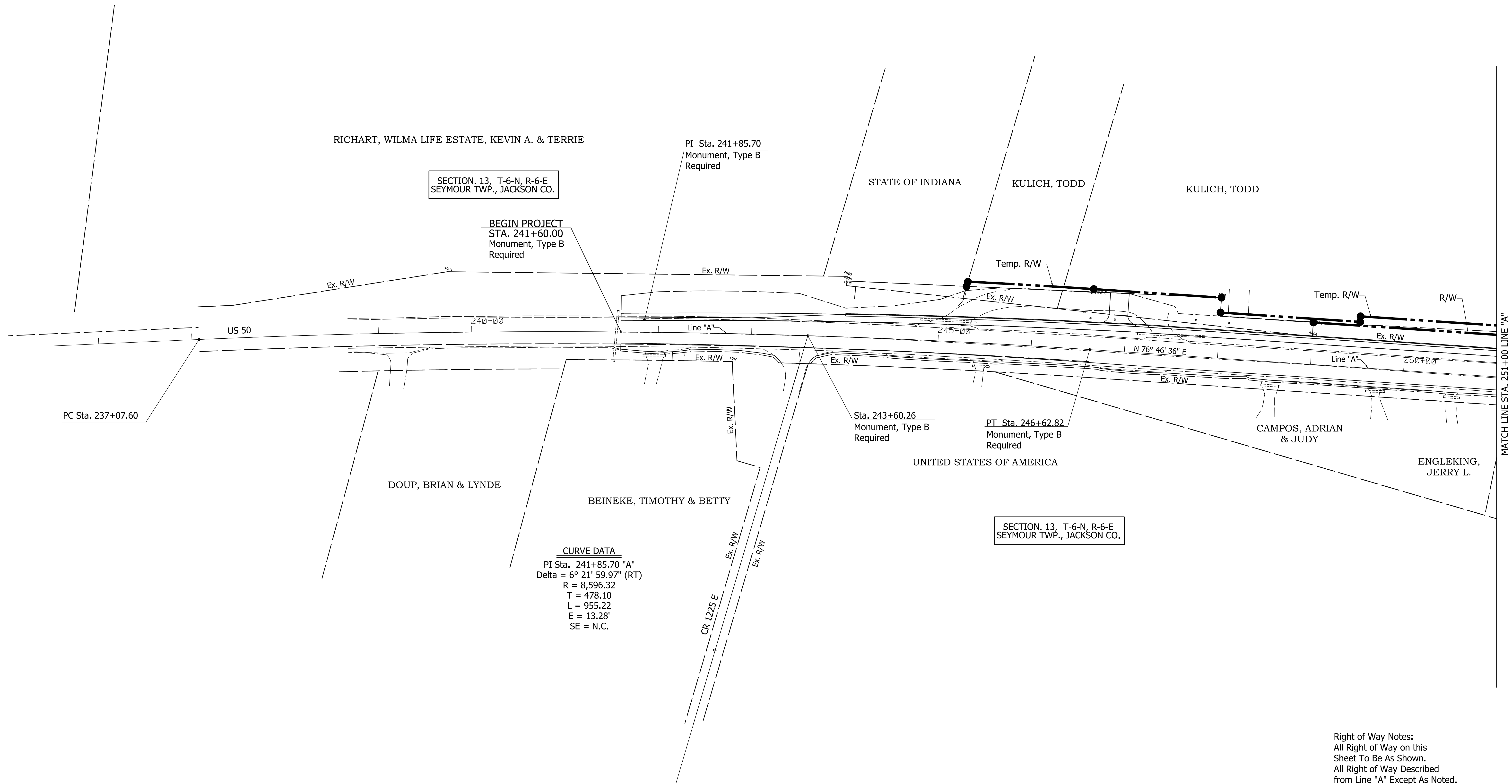
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE	
1/4" = 1'-0"	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.
	TS-02	4 of 42
CONTRACT	PROJECT	
R-41582	1700161/ 1700162	

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242      241      240      241      242      243      244      245      246      247      248      249      250



**CURVE DATA**  
 PI Sta. 241+85.70 "A"  
 Delta = 6° 21' 59.97" (RT)  
 R = 8,596.32  
 T = 478.10  
 L = 955.22  
 E = 13.28'  
 SE = N.C.

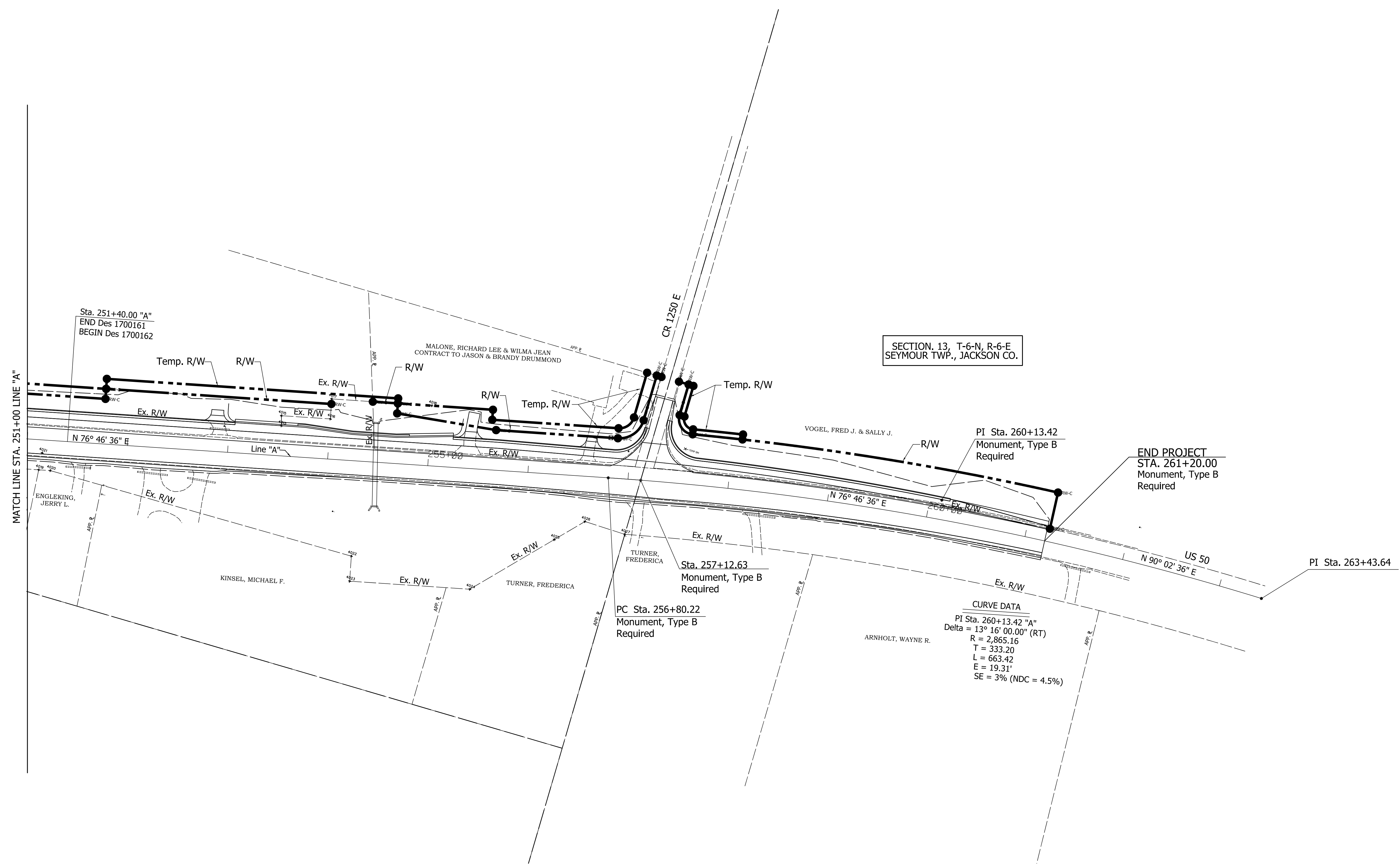
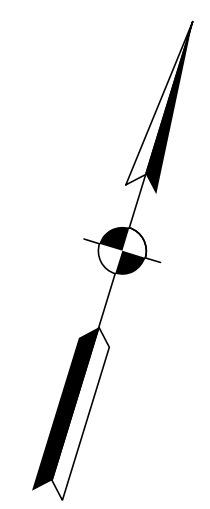
SECTION 13, T-6-N, R-6-E SEYMOUR TWP., JACKSON CO.

Right of Way Notes:  
 All Right of Way on this Sheet To Be As Shown.  
 All Right of Way Described from Line "A" Except As Noted.

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: KSC      DRAWN: SDC				VERTICAL SCALE	DESIGNATION
CHECKED: SCS	CHECKED: SCS		PLAT NO. 1 STA. 241+60 "A" TO STA. 251+00 "A"		N/A	1700161/ 1700162
					SURVEY BOOK	DWG. NO.
				PL-01	5 of 42	
			CONTRACT	PROJECT		
			R-41582	1700161/ 1700162		

251      252      253      254      255      256      257      258      259      260      261      262      263



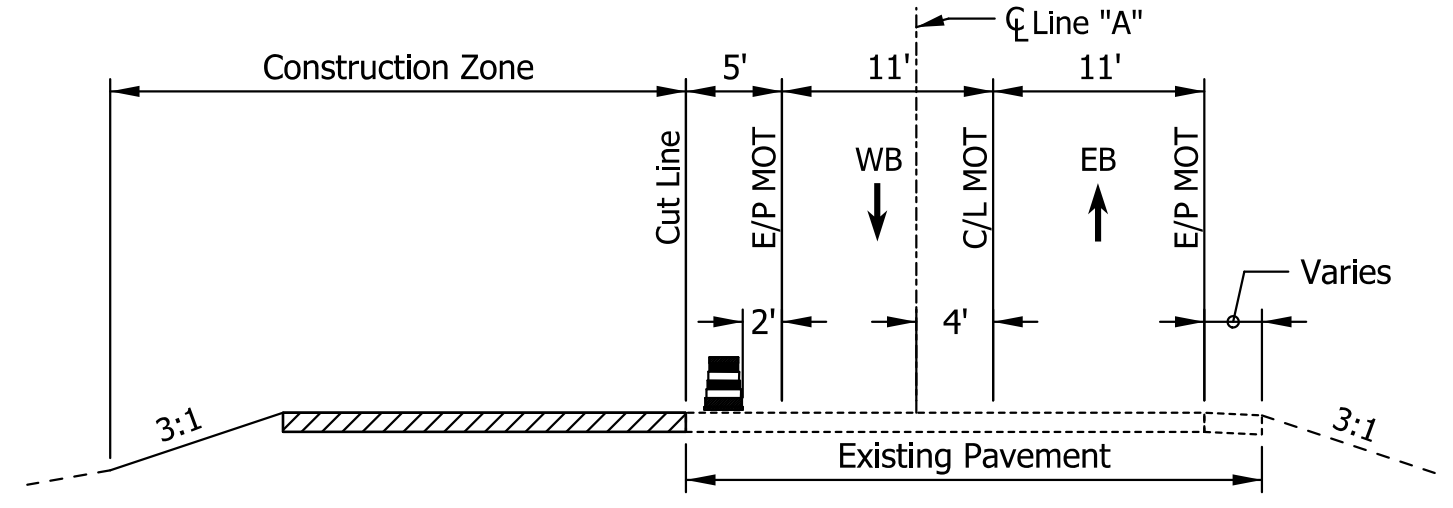
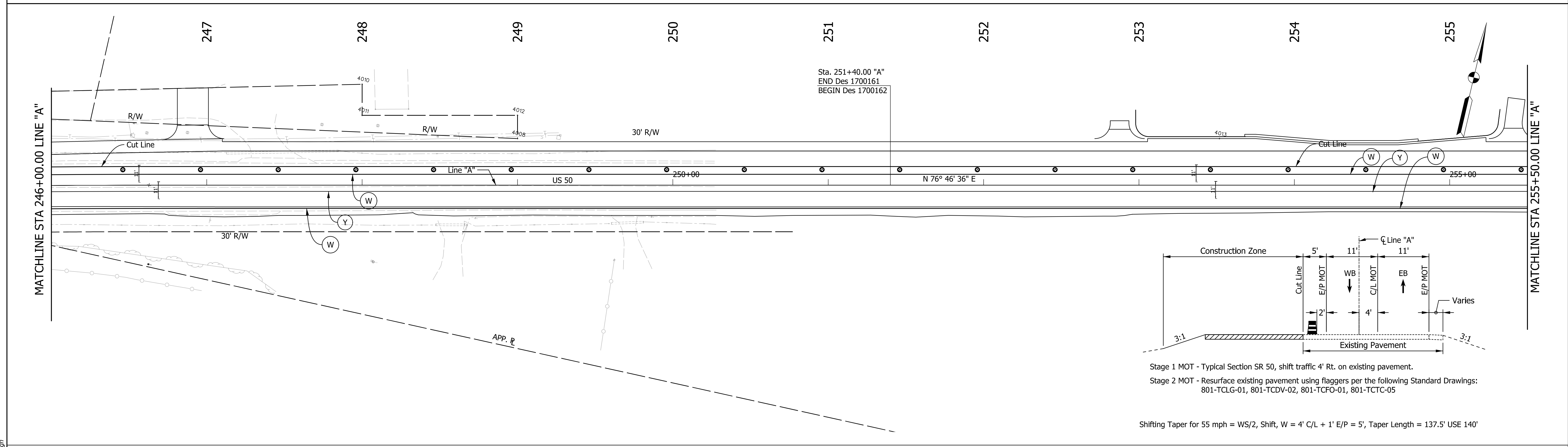
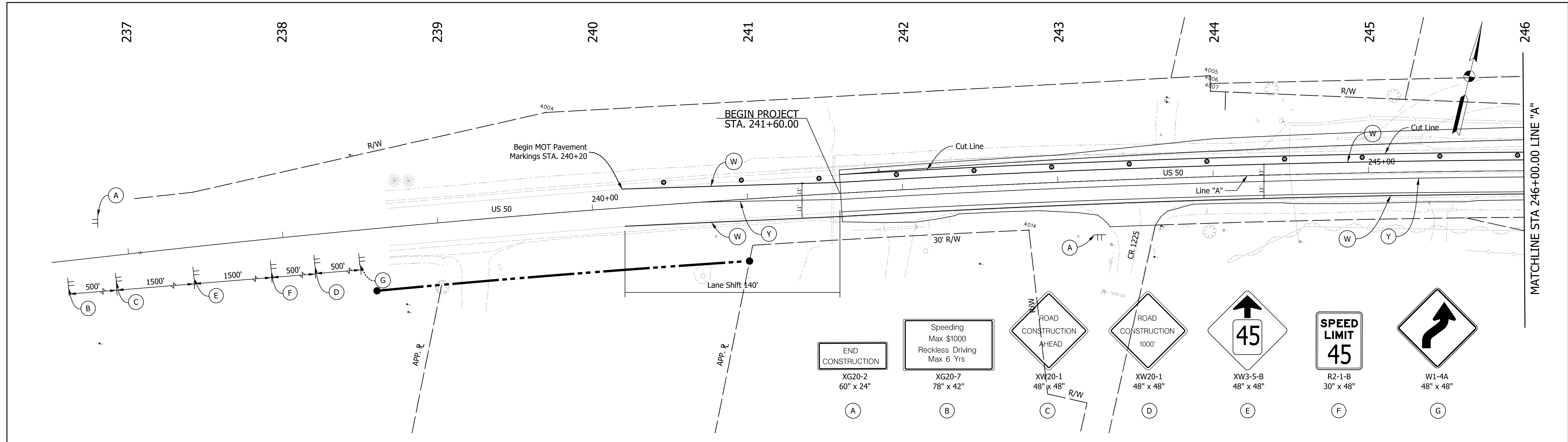
SECTION 13, T-6-N, R-6-E  
SEYMOUR TWP., JACKSON CO.

**CURVE DATA**  
 PI Sta. 260+13.42 "A"  
 Delta = 13° 16' 00.00" (RT)  
 R = 2,865.16  
 T = 333.20  
 L = 663.42  
 E = 19.31'  
 SE = 3% (NDC = 4.5%)

Right of Way Notes:  
 All Right of Way on this  
 Sheet To Be As Shown.  
 All Right of Way Described  
 from Line "A" Except As Noted.

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE		
	DESIGNED: KSC		DRAWN: SDC				1"=50'		DESIGNATION		1700161/ 1700162
CHECKED: SCS		CHECKED: SCS		PLAT NO. 1		SURVEY BOOK		DWG. NO.		SHEET NO.	
				STA. 251+00 "A" TO STA. 261+20 "A"		R-41582		PL-02		6 of 42	
						CONTRACT		PROJECT		1700161/ 1700162	



Stage 1 MOT - Typical Section SR 50, shift traffic 4' Rt. on existing pavement.  
 Stage 2 MOT - Resurface existing pavement using flaggers per the following Standard Drawings: 801-TCLG-01, 801-TCDV-02, 801-TCFO-01, 801-TCTC-05

Shifting Taper for 55 mph = WS/2, Shift, W = 4' C/L + 1' E/P = 5', Taper Length = 137.5' USE 140'

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**LEGEND**

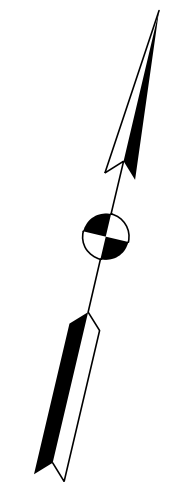
(W)	TEMPORARY WHITE LINE
(Y)	TEMPORARY YELLOW LINE
●	DRUM - 50' Spacing

RECOMMENDED FOR APPROVAL	
DESIGNED: JLG	DRAWN: JLG
CHECKED: SCS	CHECKED: SCS

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE N/A	DESIGNATION 1700161/ 1700162	
SURVEY BOOK	DWG. NO. MT-01	SHEET NO. 7 of 42
CONTRACT R-41582	PROJECT 1700161/ 1700162	



256

257

258

259

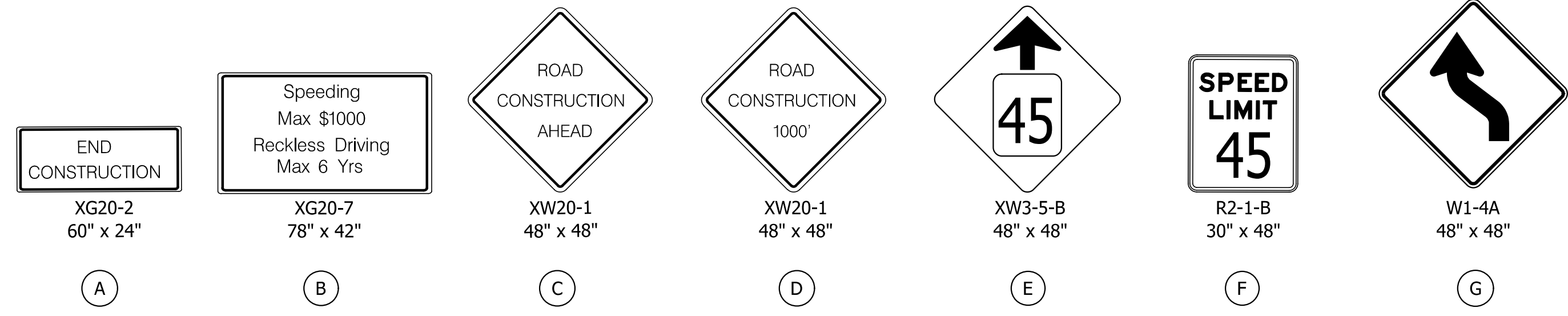
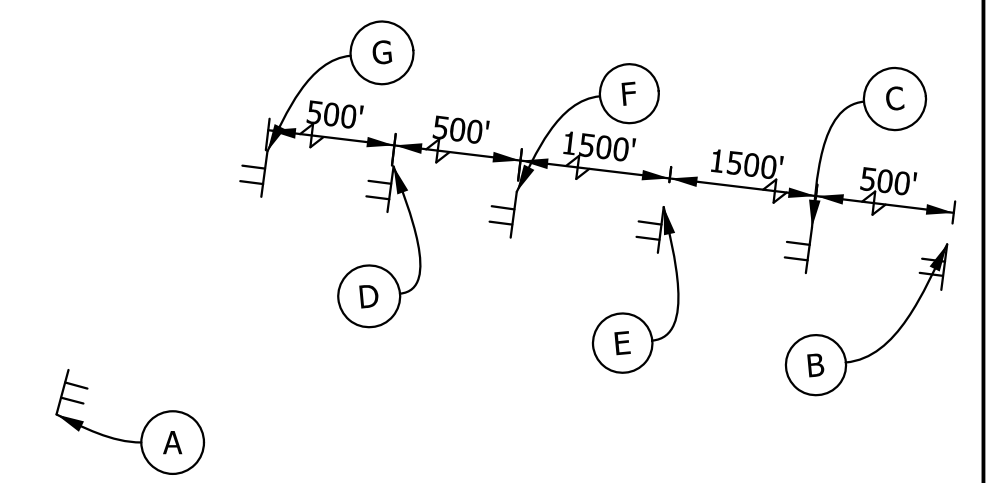
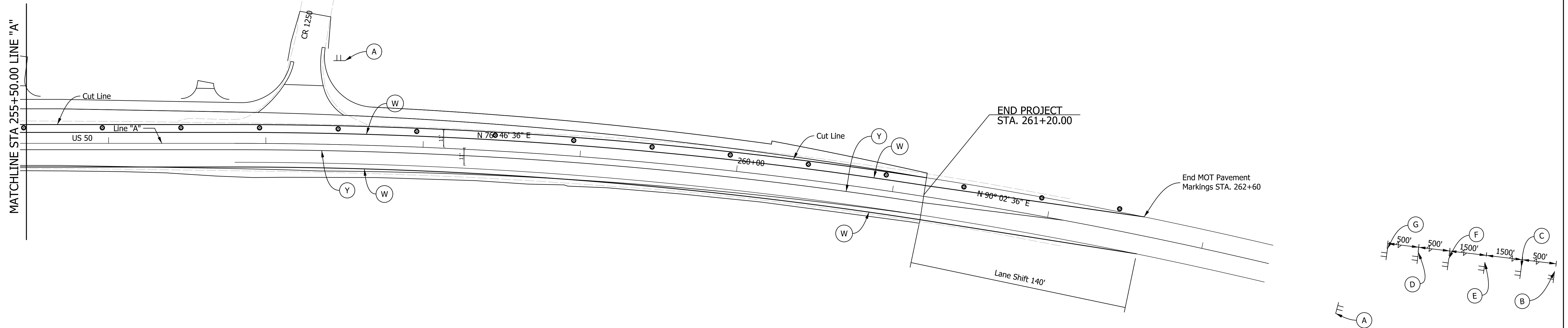
260

261

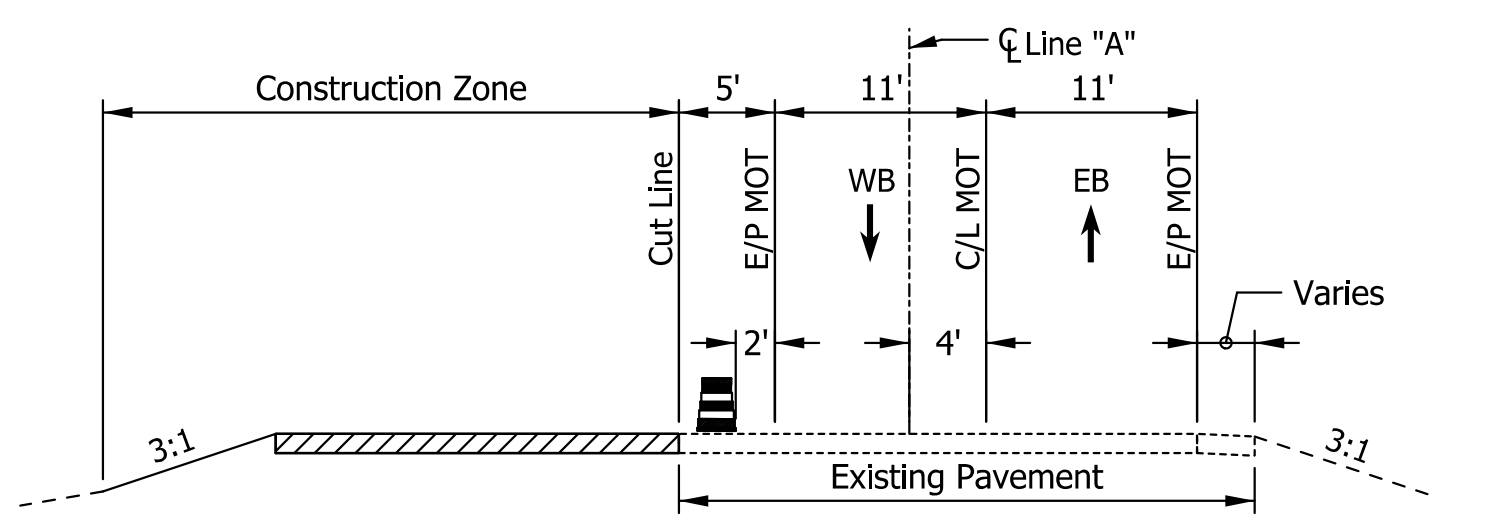
262

263

264



US 50 MOT SUMMARY	UNIT	Des 1700161	Des 1700162
TPM, REMOVABLE, YELLOW, 4"	LFT	2300	2300
TPM, REMOVABLE, WHITE, 4"	LFT	2300	2300
BARRELS	EACH	50	50
SIGN XG20-2	EACH	2	2
SIGN XG20-7	EACH	1	1
SIGN XW20-1	EACH	1	1
SIGN XW20-1	EACH	1	1
SIGN XW3-5-B	EACH	1	1
SIGN R2-1-B	EACH	1	1
SIGN W1-4A	EACH	1	1



Stage 1 MOT - Typical Section SR 50, shift traffic 4' Rt. on existing pavement.  
 Stage 2 MOT - Resurface existing pavement using flaggers per the following Standard Drawings:  
 801-TCLG-01, 801-TCDV-02, 801-TCFO-01, 801-TCTC-05

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**LEGEND**  
 (W) TEMPORARY WHITE LINE  
 (Y) TEMPORARY YELLOW LINE  
 ● DRUM - 50' Spacing

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JLG	DRAWN: JLG
CHECKED: SCS	CHECKED: SCS

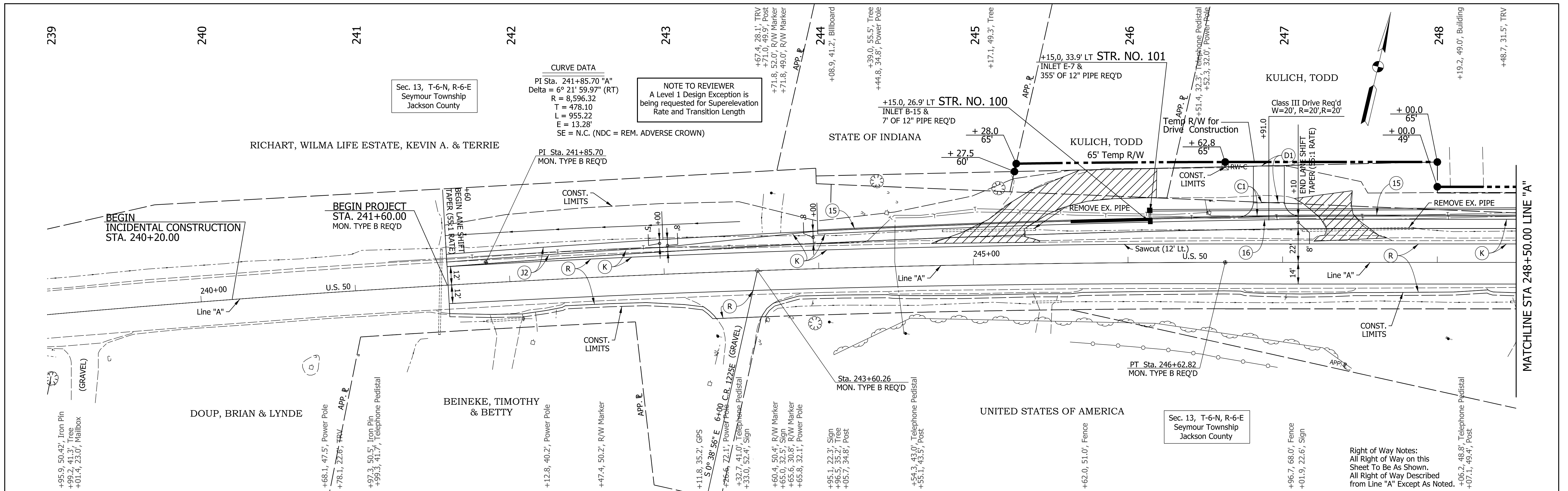
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC**

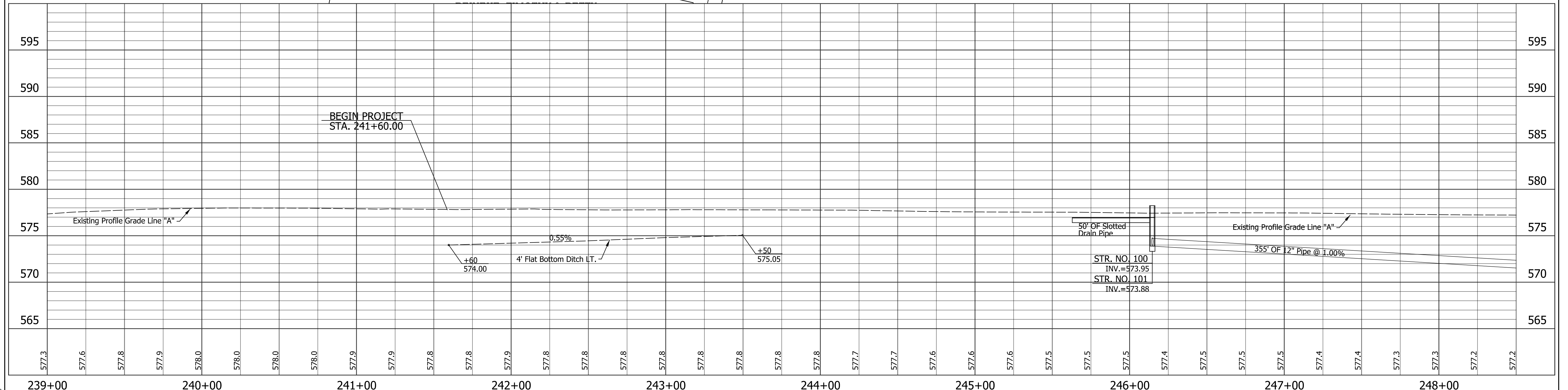
HORIZONTAL SCALE	BRIDGE FILE	
1" = 30'		
VERTICAL SCALE	DESIGNATION	
N/A	1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.
	MT-02	8 of 42
CONTRACT	PROJECT	
R-41582	1700161/ 1700162	



PUBLIC ROAD APPROACH, RT.  
STA. 243+60.26 "A"

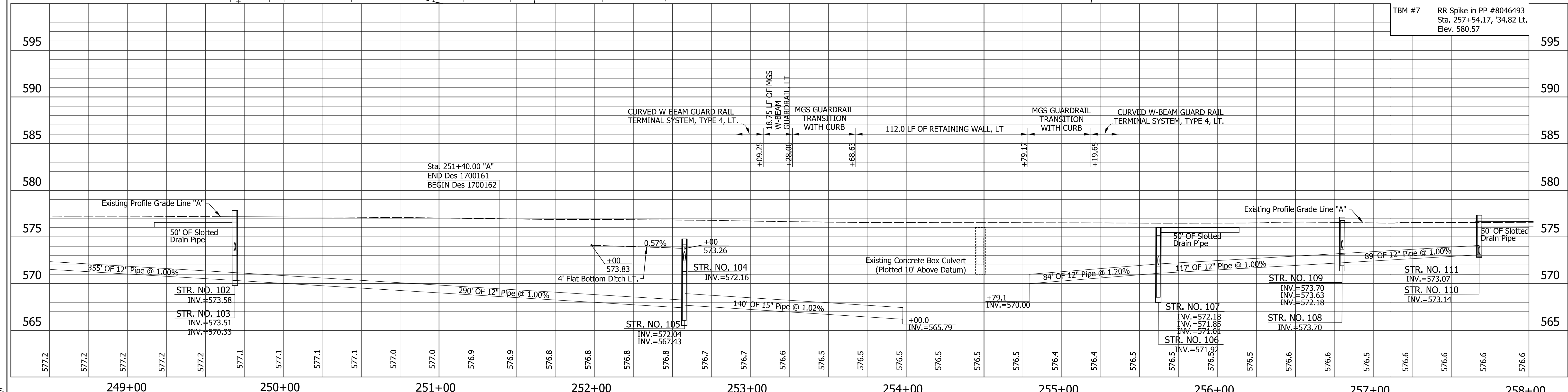
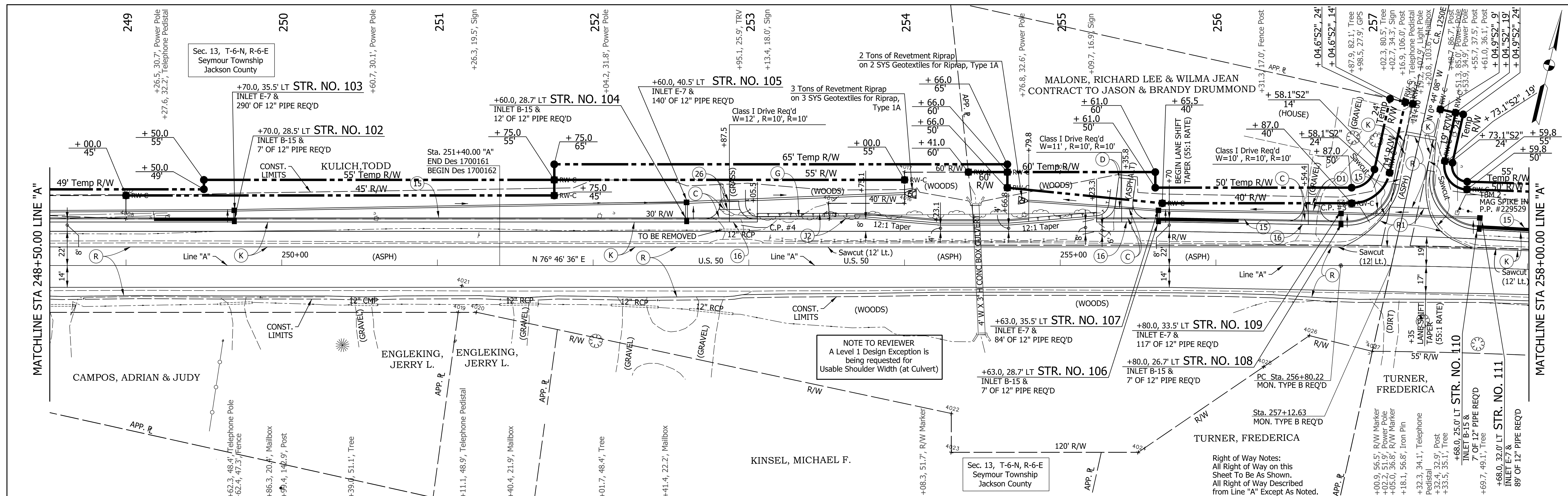


Right of Way Notes:  
All Right of Way on this Sheet To Be As Shown.  
All Right of Way Described from Line "A" Except As Noted.



LEGEND		INDIANA DEPARTMENT OF TRANSPORTATION		BRIDGE FILE	
(K) 165 #/SY QC/OA-HMA, 3, 70, SURFACE, 9.5 mm ON 275 #/SY QC/OA-HMA, 3, 70, INTERM., 12.5 mm ON 880 #/SY QC/OA-HMA, 3, 64, BASE, 25 mm ON SUBGRADE TREATMENT, TYPE IC	(R1) HMA FOR APPROACHES 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 1.5" MILLING, HMA	(C) PCCP FOR APPROACHES, 6 IN. ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)	(D1) GRAVEL FOR APPROACHES 10 IN. COARSE AGGREGATE NO. 53 ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
(R) HMA FOR RESURFACING 165 #/SY QC/OA-HMA, 3, 70, SURFACE 9.5mm ON 1.5" MILLING, ASPHALT	(D) HMA FOR APPROACHES, TYPE B 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 6 IN. COMPACTED AGGREGATE NO. 53, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)	(C1) PCCP FOR APPROACHES, 9 IN. ON DENSE GRADED SUBBASE ON GEOGRID TYPE 1B, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)	(16) COMBINED CONCRETE CURB AND GUTTER, TYPE B, MODIFIED	VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/ 1700162
(G) MGS GUARDRAIL		(15) COMBINED CONCRETE CURB AND GUTTER, TYPE B (SLOPING)	(J2) COMPACTED AGGREGATE, NO. 53	SURVEY BOOK R-41582	DWG. NO. 9 of 42
				PROJECT 1700161/ 1700162	

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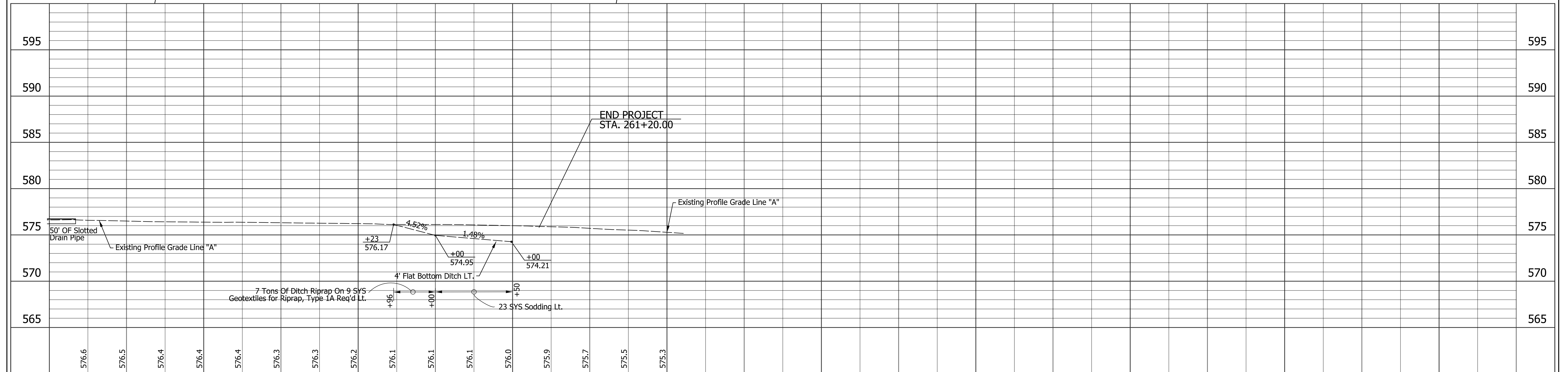
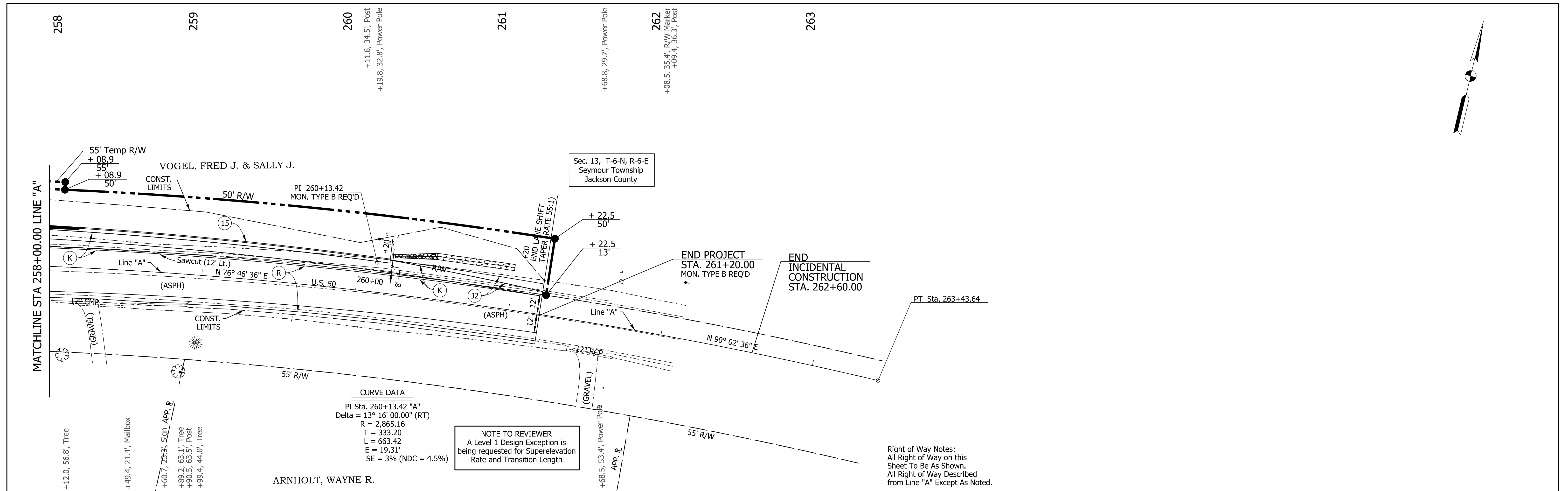
LEGEND	DESIGNED	DRAWN	CHECKED	DATE	DESIGN ENGINEER
(K) 165 #/SY QC/OA-HMA, 3, 70, SURFACE, 9.5 mm ON 275 #/SY QC/OA-HMA, 3, 70, INTERM., 12.5 mm ON 880 #/SY QC/OA-HMA, 3, 64, BASE, 25 mm ON SUBGRADE TREATMENT, TYPE IC	KSC	SDC	SCS		
(R) HMA FOR RESURFACING 165 #/SY QC/OA-HMA, 3, 70, SURFACE 9.5mm ON 1.5" MILLING, ASPHALT					
(G) MGS GUARDRAIL					
(R1) HMA FOR APPROACHES 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 1.5" MILLING, HMA					
(D) HMA FOR APPROACHES, TYPE B 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 6 IN. COMPACTED AGGREGATE NO. 53, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)					
(C) PCCP FOR APPROACHES, 6 IN. ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)					
(C1) PCCP FOR APPROACHES, 9 IN. ON DENSE GRADED SUBBASE ON GEOGRID TYPE 1B, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)					
(D1) GRAVEL FOR APPROACHES 10 IN. COARSE AGGREGATE NO. 53 ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)					
(16) COMBINED CONCRETE CURB AND GUTTER, TYPE B, MODIFIED					
(15) COMBINED CONCRETE CURB AND GUTTER, TYPE B (SLOPING)					
(SM) MULCH SEEDING, TYPE R					
(J2) COMPACTED AGGREGATE, NO. 53					

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**  
**STA. 248+50.00 "A" TO STA. 258+00.00 "A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 30'			N/A
VERTICAL SCALE		DESIGNATION	
1" = 5'		1700161/	1700162
SURVEY BOOK		DWG. NO.	
		PP-02	10 of 42
CONTRACT		PROJECT	
R-41582		1700161/	1700162

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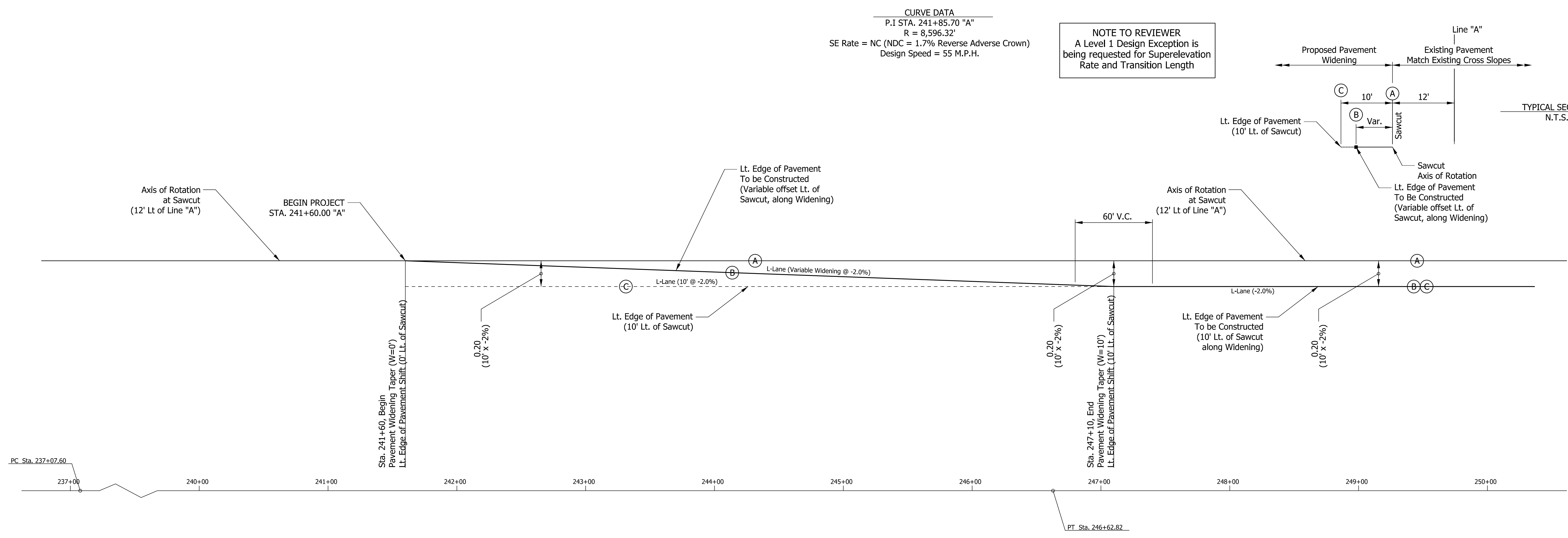
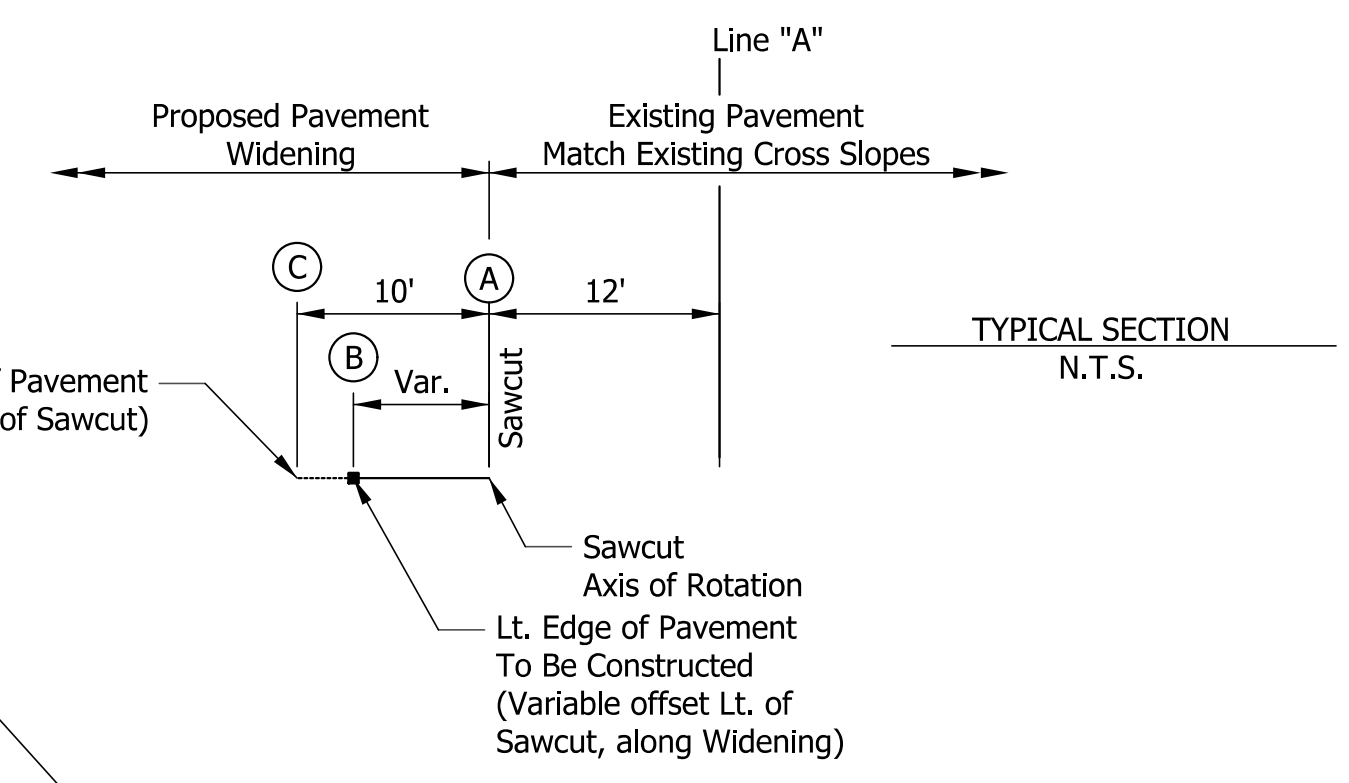


<p><b>LEGEND</b></p> <p>(K) 165 #/SY QC/OA-HMA, 3, 70, SURFACE, 9.5 mm ON 275 #/SY QC/OA-HMA, 3, 70, INTERM., 12.5 mm ON 880 #/SY QC/OA-HMA, 3, 64, BASE, 25 mm ON SUBGRADE TREATMENT, TYPE IC</p> <p>(R) HMA FOR RESURFACING 165 #/SY QC/OA-HMA, 3, 70, SURFACE 9.5mm ON 1.5" MILLING, ASPHALT</p> <p>(G) MGS GUARDRAIL</p> <p>(R1) HMA FOR APPROACHES 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 1.5" MILLING, HMA</p> <p>(D) HMA FOR APPROACHES, TYPE B 165 #/SY HMA SURFACE TYPE B ON 275 #/SY HMA INTERMEDIATE TYPE B ON 6 IN. COMPACTED AGGREGATE NO. 53, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)</p> <p>(C) PCCP FOR APPROACHES, 6 IN. ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)</p> <p>(C1) PCCP FOR APPROACHES, 9 IN. ON DENSE GRADED SUBBASE ON GEOGRID TYPE 1B, ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)</p> <p>(D1) GRAVEL FOR APPROACHES 10 IN. COARSE AGGREGATE NO. 53 ON DENSE GRADED SUBBASE ON SUBGRADE TREATMENT TYPE II (6 IN. COARSE AGGREGATE NO. 53)</p> <p>(16) COMBINED CONCRETE CURB AND GUTTER, TYPE B, MODIFIED</p> <p>(15) COMBINED CONCRETE CURB AND GUTTER, TYPE B (SLOPING)</p> <p>(SM) MULCH SEEDING, TYPE R</p> <p>(J2) COMPACTED AGGREGATE, NO. 53</p>	<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: KSC DRAWN: SDC</p> <p>CHECKED: SCCS CHECKED: SCS</p>	<p align="center"><b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>PLAN &amp; PROFILE</b> <b>STA. 258+00.00 "A" TO STA. 263+43.64 "A"</b></p>	<table border="1"> <tr><td>HORIZONTAL SCALE</td><td>BRIDGE FILE</td></tr> <tr><td>1" = 30'</td><td>N/A</td></tr> <tr><td>VERTICAL SCALE</td><td>DESIGNATION</td></tr> <tr><td>1" = 5'</td><td>1700161/ 1700162</td></tr> <tr><td>SURVEY BOOK</td><td>DWG. NO.</td><td>SHEET NO.</td></tr> <tr><td></td><td>PP-03</td><td>11 of 42</td></tr> <tr><td>CONTRACT</td><td colspan="2">PROJECT</td></tr> <tr><td>R-41582</td><td colspan="2">1700161/ 1700162</td></tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 30'	N/A	VERTICAL SCALE	DESIGNATION	1" = 5'	1700161/ 1700162	SURVEY BOOK	DWG. NO.	SHEET NO.		PP-03	11 of 42	CONTRACT	PROJECT		R-41582	1700161/ 1700162	
HORIZONTAL SCALE	BRIDGE FILE																						
1" = 30'	N/A																						
VERTICAL SCALE	DESIGNATION																						
1" = 5'	1700161/ 1700162																						
SURVEY BOOK	DWG. NO.	SHEET NO.																					
	PP-03	11 of 42																					
CONTRACT	PROJECT																						
R-41582	1700161/ 1700162																						

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**CURVE DATA**  
 P.I STA. 241+85.70 "A"  
 R = 8,596.32'  
 SE Rate = NC (NDC = 1.7% Reverse Adverse Crown)  
 Design Speed = 55 M.P.H.

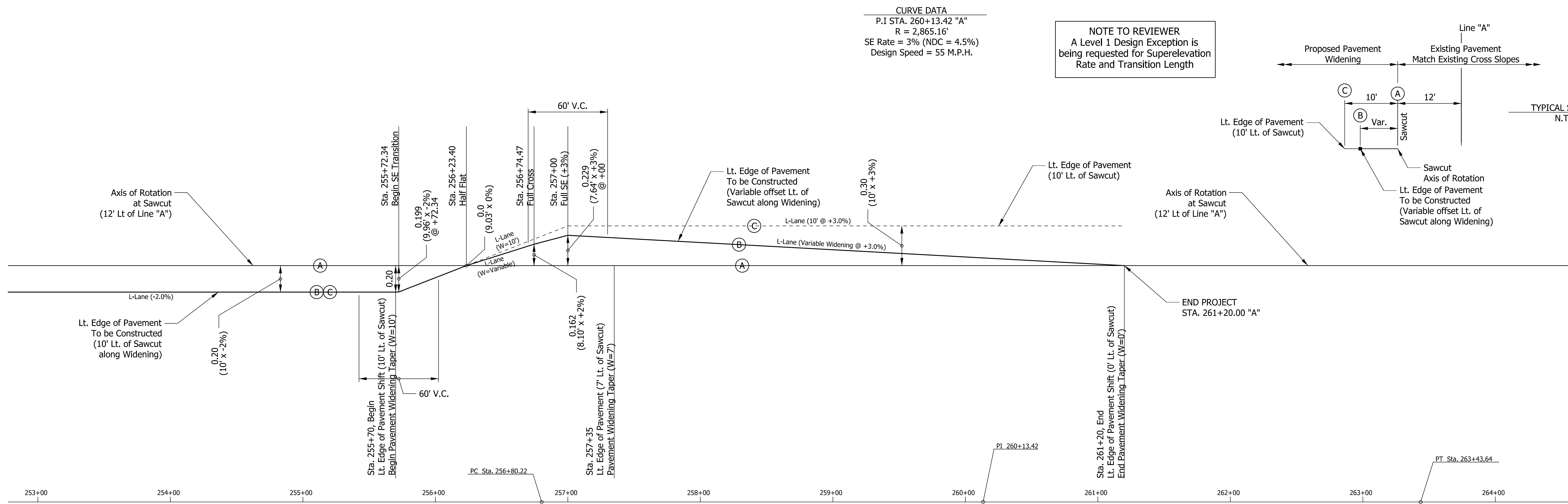
**NOTE TO REVIEWER**  
 A Level 1 Design Exception is  
 being requested for Superelevation  
 Rate and Transition Length



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	RECOMMENDED FOR APPROVAL _____		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>		HORIZONTAL SCALE		BRIDGE FILE	
	DESIGN ENGINEER      DATE				1" = 40'		DESIGNATION	
	DESIGNED: KSC 4/15/2020	DRAWN: KSC 4/15/2020	<b>SUPERELEVATION DIAGRAM</b>		VERTICAL SCALE		1700161/ 1700162	
	CHECKED: JLG 4/20/2020	CHECKED: JLG 4/20/2020			N/A		PROJECT	
		<b>CURVE #1 (P.I STA. 241+85.70 "A")</b>		SURVEY BOOK		DWG. NO.	SHEET NO.	
				CONTRACT		SE-01	12 of 42	
				R-41582		1700161/ 1700162		

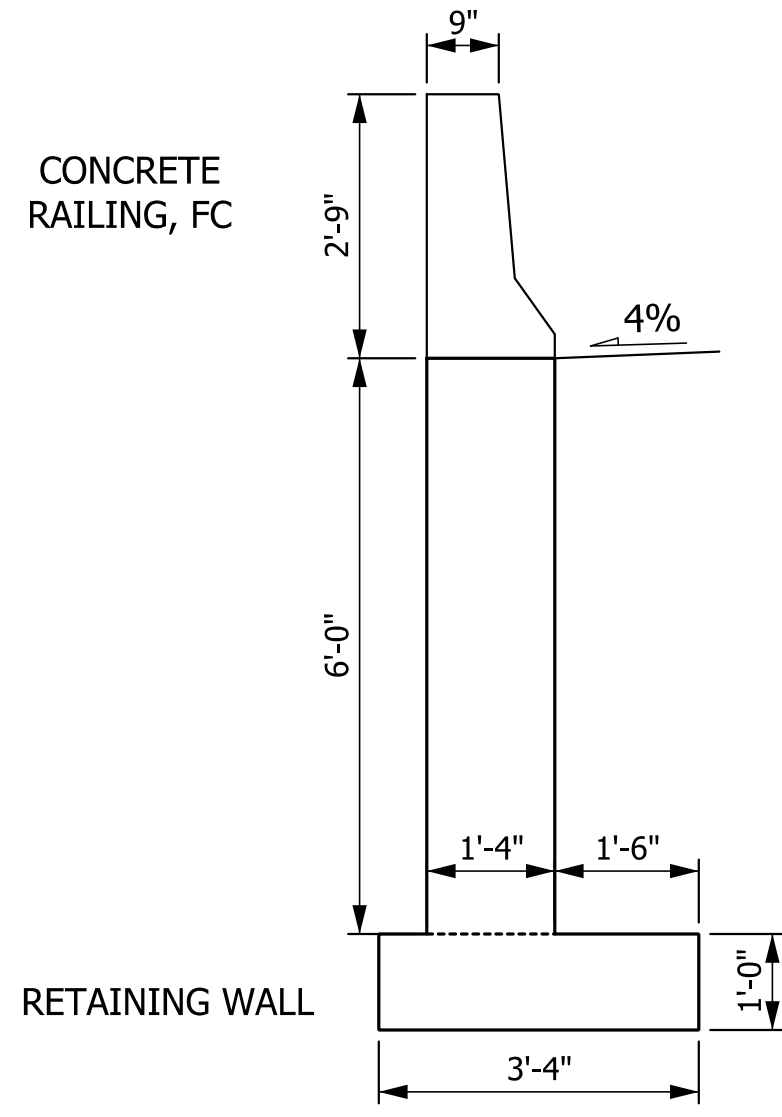
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: KSC 4/15/2020	DRAWN: KSC 4/15/2020		
CHECKED: JLG 4/20/2020	CHECKED: JLG 4/20/2020		

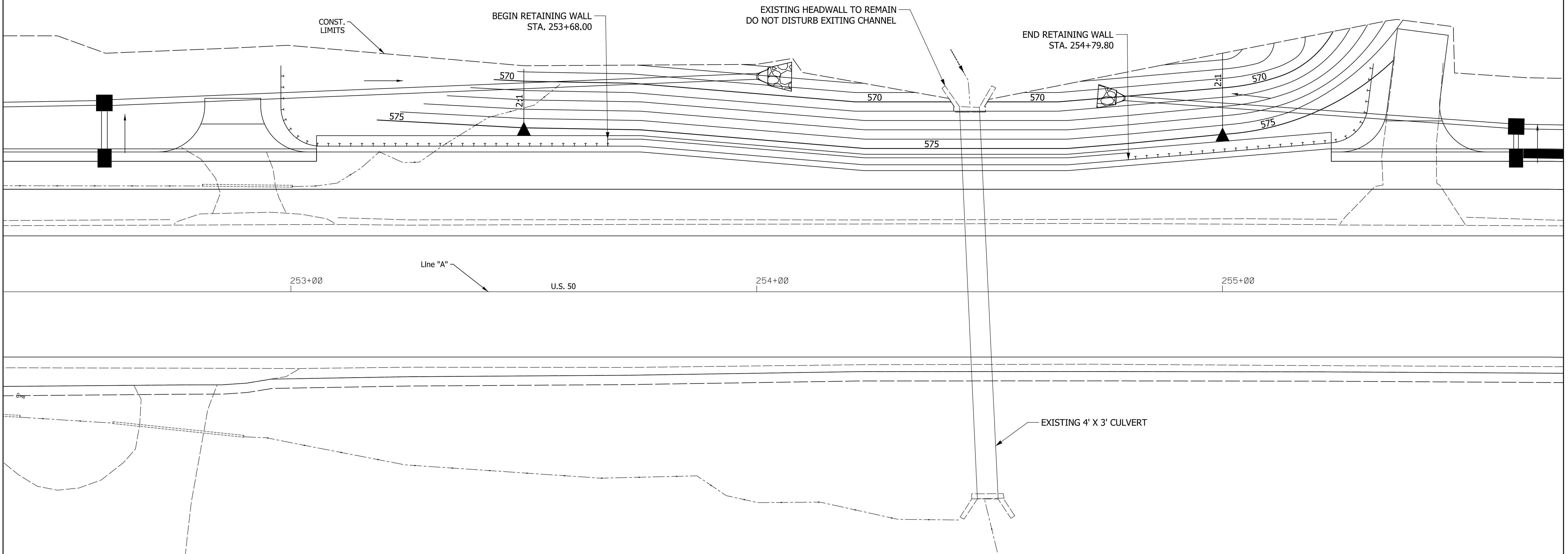
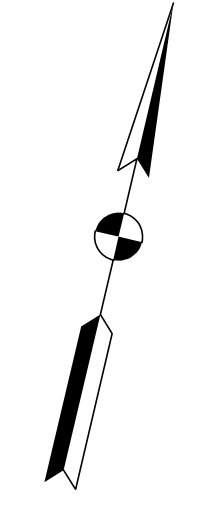
<b>INDIANA</b> DEPARTMENT OF TRANSPORTATION	
<b>SUPERELEVATION DIAGRAM</b> CURVE #2 (P.I STA. 260+13.42 "A")	

HORIZONTAL SCALE 1" = 40'	BRIDGE FILE	
VERTICAL SCALE N/A	DESIGNATION 1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.
	SE-02	13 of 42
CONTRACT R-41582	PROJECT 1700161/ 1700162	



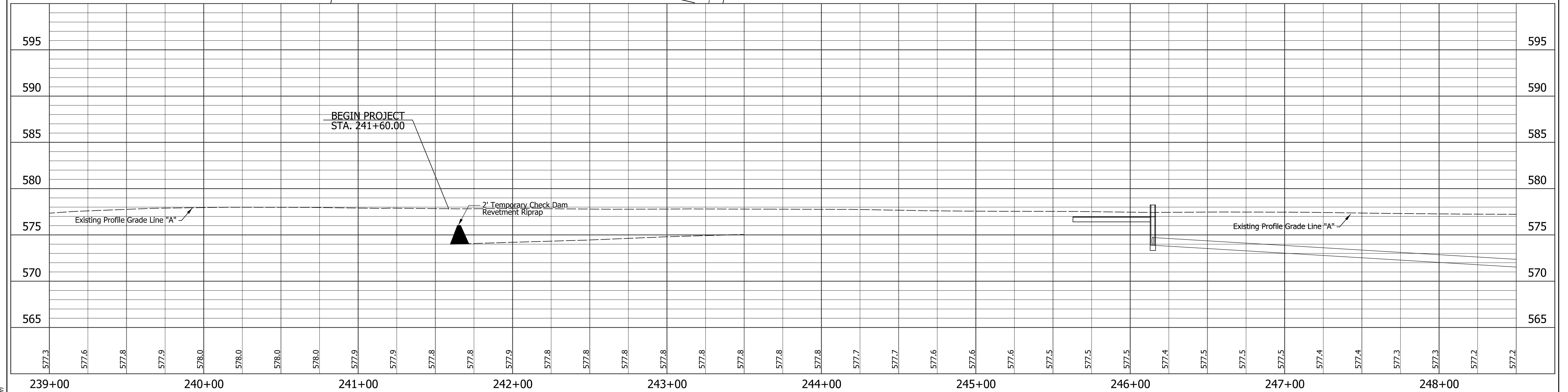
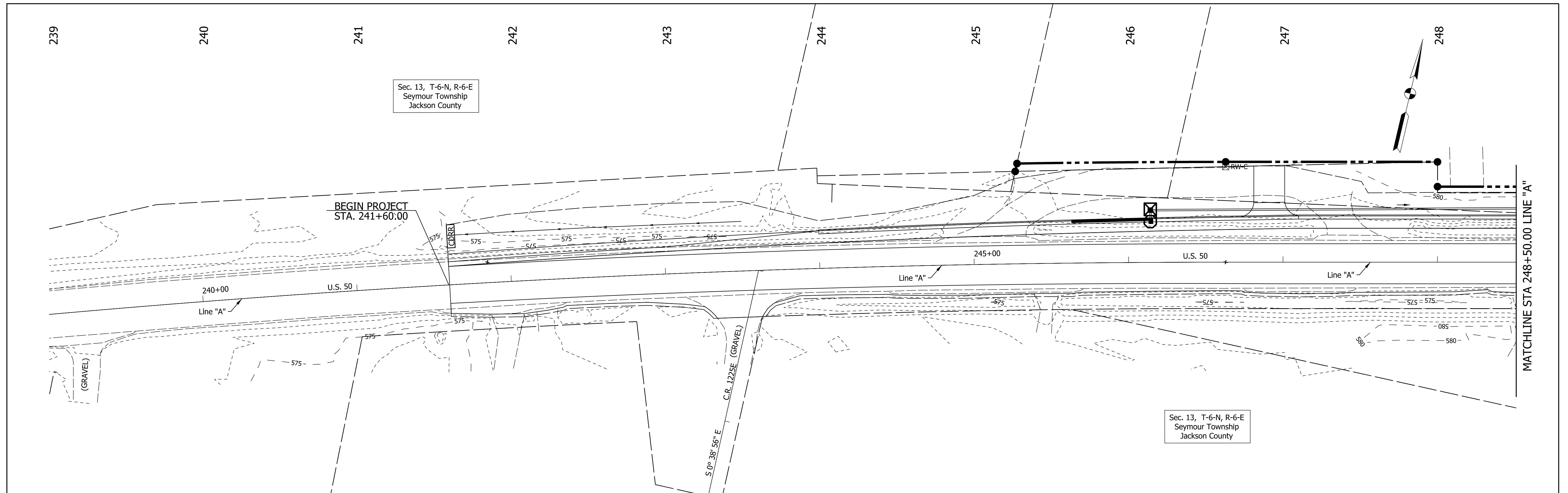
**US 50 RETAINING WALL QUANTITIES**

DESCRIPTION	TOTAL	UNITS
CONCRETE, A, SUBSTRUCTURE	33	CYS
EXCAVATION COMMON	29	CYS
CONCRETE, B, FOOTINGS	14	CYS
CONCRETE BRIDGE RAILING TRANSITION, TFC	2	EACH
RAILING, CONCRETE FC	112	LFT



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	RECOMMENDED FOR APPROVAL _____	<b>INDIANA</b>	
	DESIGN ENGINEER	DATE	<b>DEPARTMENT OF TRANSPORTATION</b>
DESIGNED: JLG	DRAWN: JLG	<b>CULVERT GRADING DETAIL</b>	
CHECKED: SCS	CHECKED: SCS	HORIZONTAL SCALE	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION
		SURVEY BOOK	DWG. NO. SHEET NO.
		CONTRACT	GP-01 14 of 42
		R-41582	PROJECT
			1700161/ 1700162



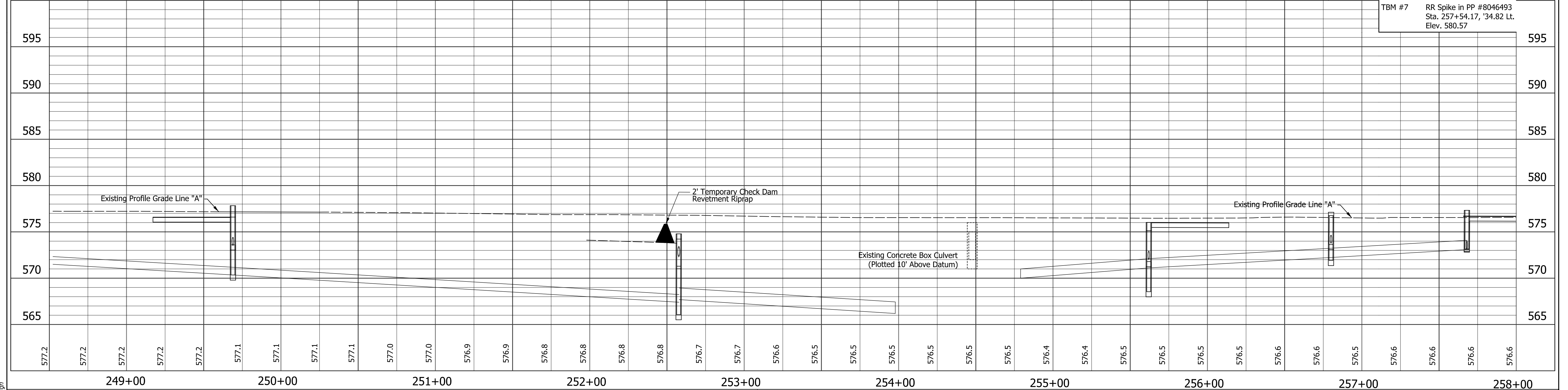
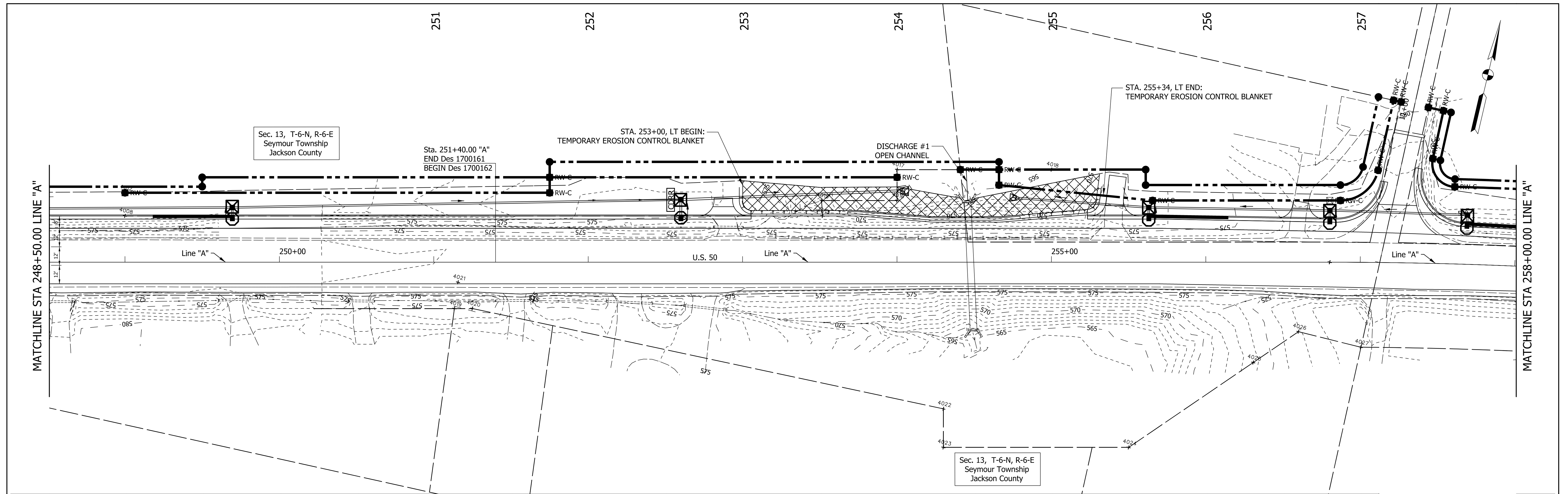
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LEGEND	
	PERIMETER PROTECTION, FILTER SOCK
	TEMPORARY CHECK DAM
	TEMPORARY MODIFIED CHECK DAM
	CULVERT PROTECTION (FILTER SOCK ONLY)
	SEDIMENT TRAP
	TEMPORARY CURB INLET PROTECTION
	TEMPORARY DITCH INLET PROTECTION (GRAVEL RING OR FILTER SOCK ONLY)
	TEMPORARY EROSION CONTROL BLANKET
	SILT FENCE

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	JLG	DRAWN:	JLG		
CHECKED:	SNP	CHECKED:	SNP		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**EROSION CONTROL**  
**STA. 239+00.00 "A" TO STA. 248+50.00 "A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 30'		N/A	
VERTICAL SCALE		DESIGNATION	
1" = 5'		1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	EC-01	15 of 42	
CONTRACT	PROJECT		
R-41582	1700161/ 1700162		



TBM #7 RR Spike in PP #8046493  
Sta. 257+54.17, '34.82 Lt.  
Elev. 580.57

LEGEND	PERIMETER PROTECTION, FILTER SOCK	SEDIMENT TRAP	TEMPORARY EROSION CONTROL BLANKET
	TEMPORARY CHECK DAM		TEMPORARY CURB INLET PROTECTION
	TEMPORARY MODIFIED CHECK DAM		TEMPORARY DITCH INLET PROTECTION (GRAVEL RING OR FILTER SOCK ONLY)
	CULVERT PROTECTION (FILTER SOCK ONLY)		SILT FENCE

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	JLG	DRAWN:	JLG		
CHECKED:	SNP	CHECKED:	SNP		

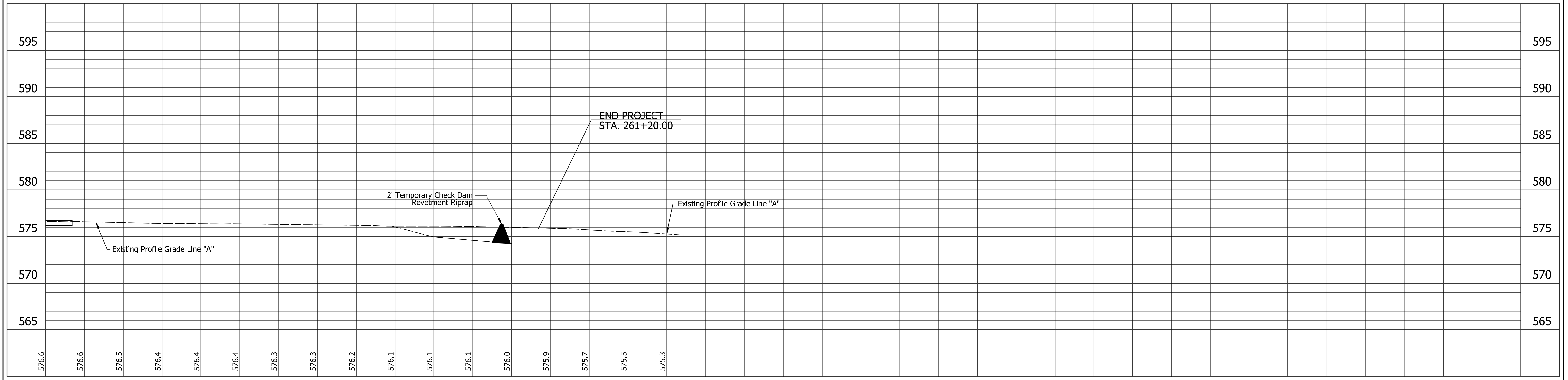
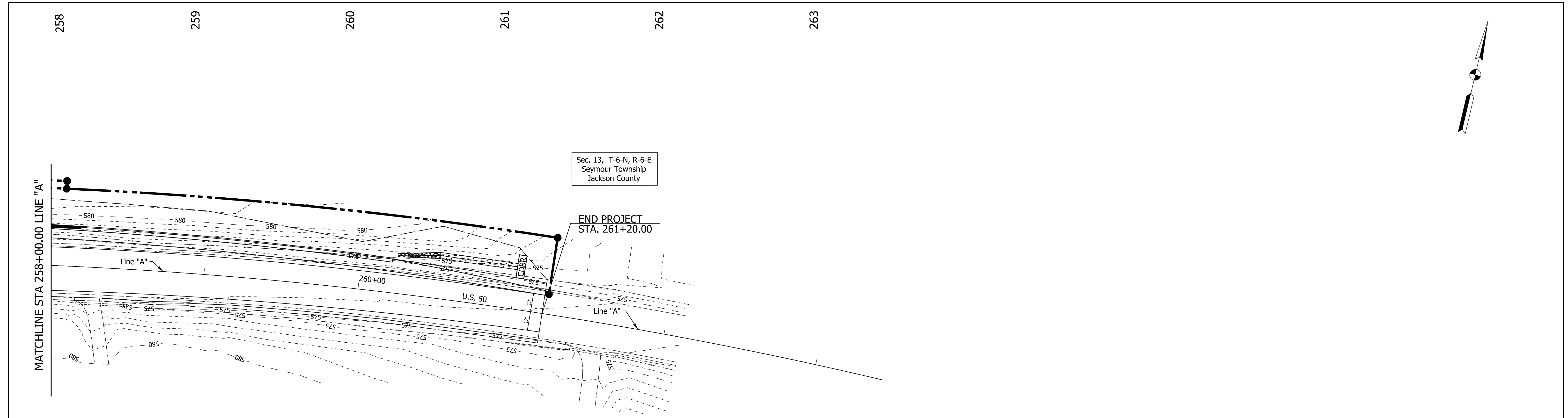
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL**  
**STA. 248+50.00 "A" TO STA. 258+00.00 "A"**

HORIZONTAL SCALE	BRIDGE FILE	
1" = 30'	N/A	
VERTICAL SCALE	DESIGNATION	
1" = 5'	1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.
	EC-02	16 of 42
CONTRACT	PROJECT	
R-41582	1700161/ 1700162	

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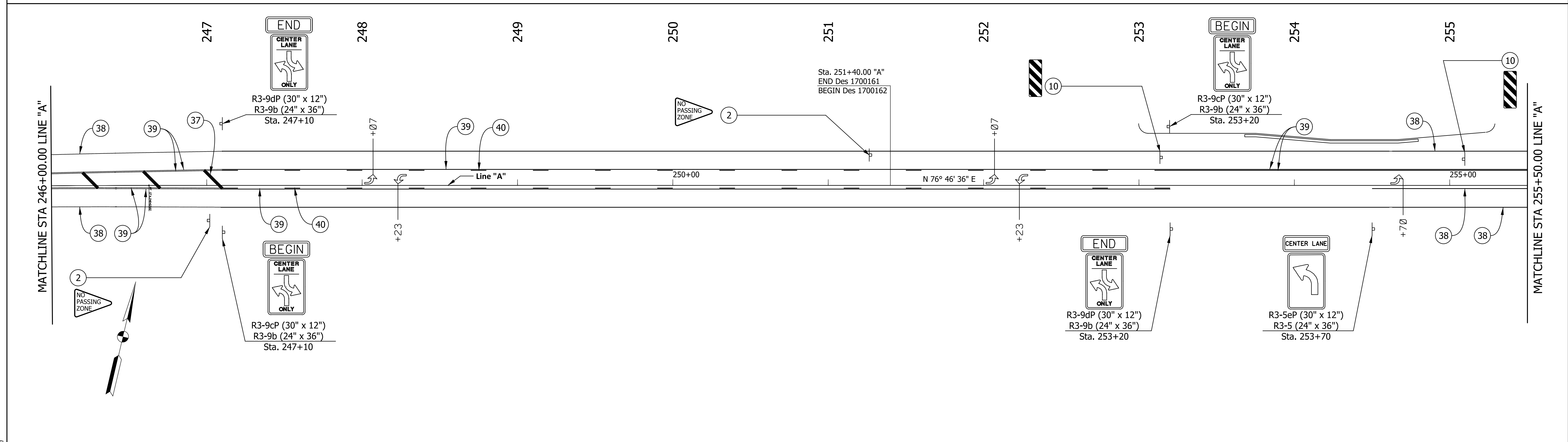
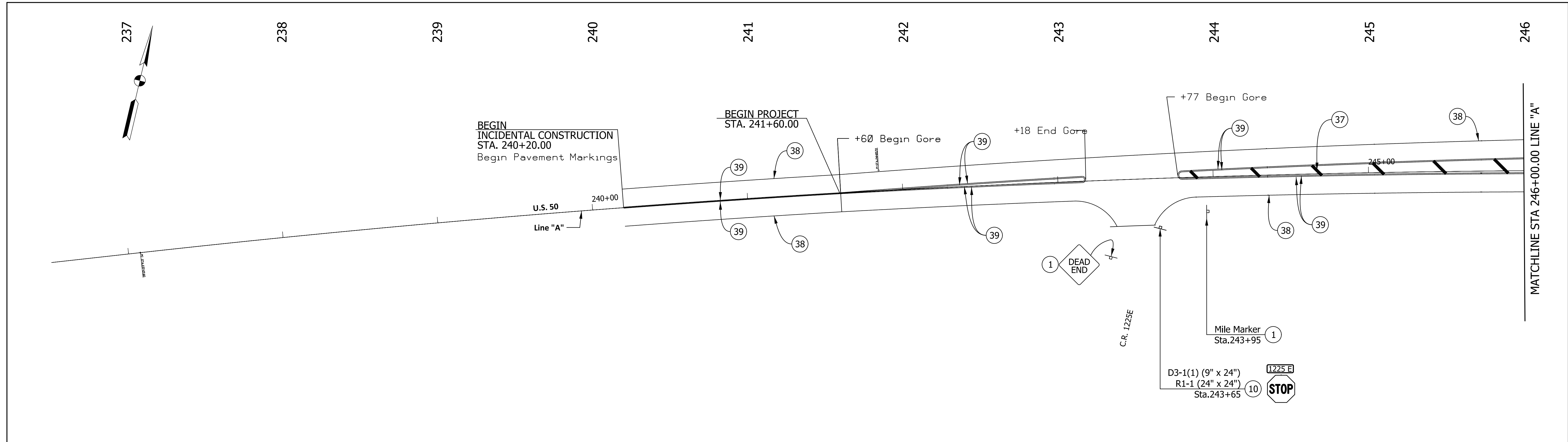
LEGEND	
	PERIMETER PROTECTION, FILTER SOCK
	TEMPORARY CHECK DAM
	TEMPORARY MODIFIED CHECK DAM
	CULVERT PROTECTION (FILTER SOCK ONLY)
	SEDIMENT TRAP
	TEMPORARY CURB INLET PROTECTION
	TEMPORARY DITCH INLET PROTECTION (GRAVEL RING OR FILTER SOCK ONLY)
	TEMPORARY EROSION CONTROL BLANKET
	SILT FENCE

RECOMMENDED FOR APPROVAL	
DESIGNED: JLG	DRAWN: JLG
CHECKED: SNP	CHECKED: SNP

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL**  
STA. 258+00.00 "A" TO STA. 261+20.00 "A"

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/ 1700162
SURVEY BOOK	DWG. NO. SHEET NO. EC-03 17 of 42
CONTRACT R-41582	PROJECT 1700161/ 1700162



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LEGEND	
① NO CHANGE REQUIRED TO EXISTING SIGN AND SUPPORTS	③7 TRANSVERSE MARKING, THERMOPLASTIC, YELLOW, 24"
② REMOVE AND DO NOT REPLACE	③8 4 IN., SOLID, WHITE, THERMOPLASTIC LINE
④ EXISTING SHEET SIGN ON NEW SUPPORTS	③9 4 IN., SOLID YELLOW, THERMOPLASTIC LINE
	④0 4 IN., BROKEN YELLOW, THERMOPLASTIC LINE
	④5 24 IN. WHITE STOP LINE, THERMOPLASTIC

⌋ GROUND MOUNTED SHEET SIGN (SINGLE POST)
⌋ GROUND MOUNTED SHEET SIGN (DOUBLE POST)
CLRS CENTER LINE RUMBLE STRIPES
SRS SHOULDER RUMBLE STRIPS

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JLG	DRAWN: JLG	
CHECKED: SNP	CHECKED: SNP	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 240+20 "A" TO STA. 255+50 "A"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1700161/ 1700162
SURVEY BOOK	DWG. NO. SHEET NO. PM-01 18 of 42
CONTRACT R-41582	PROJECT 1700161/ 1700162

256

257

258

259

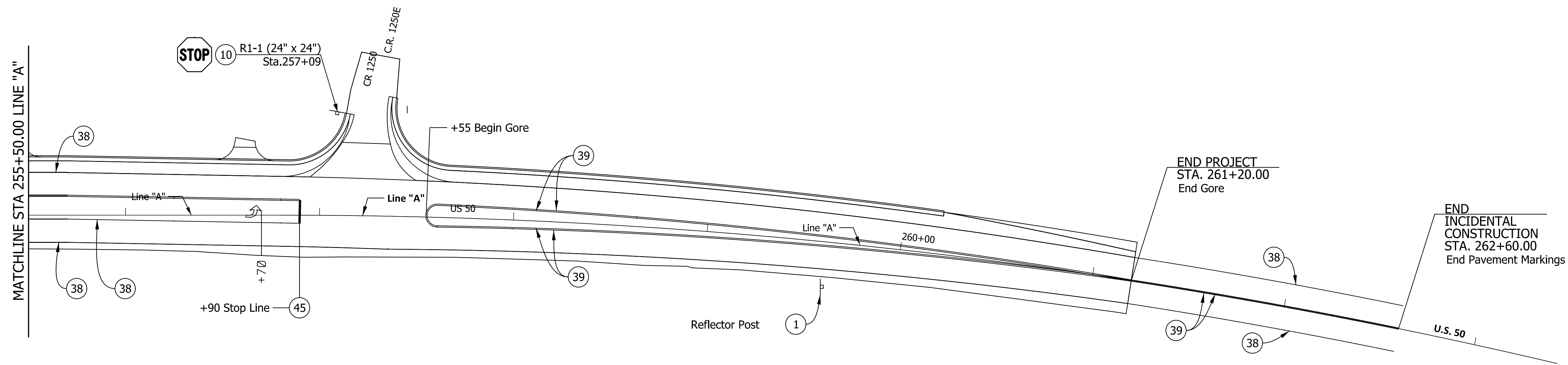
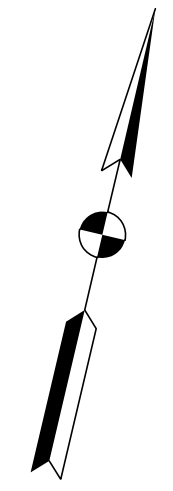
260

261

262

263

264



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**LEGEND**

- ① NO CHANGE REQUIRED TO EXISTING SIGN AND SUPPORTS
- ② REMOVE AND DO NOT REPLACE
- ⑩ EXISTING SHEET SIGN ON NEW SUPPORTS

- ③7 TRANSVERSE MARKING, THERMOPLASTIC, YELLOW, 24"
- ③8 4 IN., SOLID, WHITE, THERMOPLASTIC LINE
- ③9 4 IN., SOLID YELLOW, THERMOPLASTIC LINE
- ④0 4 IN., BROKEN YELLOW, THERMOPLASTIC LINE
- ④5 24 IN. WHITE STOP LINE, THERMOPLASTIC

- ⌋ GROUND MOUNTED SHEET SIGN (SINGLE POST)
- ⌋ GROUND MOUNTED SHEET SIGN (DOUBLE POST)
- CLRS CENTER LINE RUMBLE STRIPES
- SRS SHOULDER RUMBLE STRIPES

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER DATE

DESIGNED: JLG DRAWN: JLG

CHECKED: SNP CHECKED: SNP

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**SIGNING & PAVEMENT MARKING PLAN**  
**STA. 255+50 "A" TO STA. 262+60 "A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 30'			
VERTICAL SCALE		DESIGNATION	
N/A		1700161/ 1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	PM-02	19 of 42	
CONTRACT		PROJECT	
R-41582		1700161/ 1700162	

**US 50 PAVEMENT MARKINGS SUMMARY OF QUANTITIES**

LOCATION	LINE, THERMOPLASTIC				LINE, THERMOPLASTIC		LINE, THERMOPLASTIC		TRANSVERSE MARKINGS THERMOPLASTIC		TRANSVERSE MARKINGS CROSSHATCH LINE		TRANSVERSE MARKINGS CROSSWALK LINE		PAVEMENT MESSAGE MARKING THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	SNOWPLOWABLE RAISED PAVEMENT MARKER	SNOWPLOWABLE RAISED PAVEMENT MARKER REMOVE	CURS	SHOULDER RUMBLE STRIPS	DELIMITER WITH POST, D3	REMARKS
	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 8 in	SOLID YELLOW 8 in	BROKEN WHITE 4 in	BROKEN YELLOW 4 in	DOTTED WHITE 4 in	DOTTED WHITE 8 in	CROSSHATCH WHITE 12 in	STOP LINE WHITE 24 in	SOLID YELLOW 12 in	SOLID YELLOW 24 in	SOLID WHITE 4 in	SOLID WHITE 8 in								
	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft								
LINE "A" (Des 1700161)																						
240+20.0 to 241+60.0	280	280															4	4	140	280		Restriping
241+60.0 to 243+18.0	316	632															8	4		316		Center Gore Taper
243+18.0 to 243+77.0	118																		1	118		1225 E Intersection Area
243+77.0 to 247+10.0	666	1332									105						17	8		666		Center Gore Taper
247+10.0 to 251+40.0	860	860				215									2		22	11		860		Two Way Left Turn Lane
<b>TOTALS</b>	<b>2240</b>	<b>3104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>50</b>	<b>28</b>	<b>140</b>	<b>2240</b>	<b>0</b>	
LINE "A" (Des 1700162)																						
251+40.0 to 253+20.0	360	360				90											9	5		360		Two Way Left Turn Lane
253+20.0 to 254+50.0	260	260															3	3		260		EB Turn Lane Entrance
254+50.0 to 256+90.0	720	480								12							12	6		480		Left Turn Lane
256+90.0 to 257+55.0	130																		1	130		1250 E Intersection Area
257+55.0 to 261+20.0	730	1460															18	5		730		Center Gore Taper
261+20.0 to 262+60.0	280	280															4	2	140	140		Restriping
<b>TOTALS</b>	<b>2480</b>	<b>2840</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>46</b>	<b>21</b>	<b>140</b>	<b>2100</b>	<b>0</b>	

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>		HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
	DESIGNED: JLG      DRAWN: JLG		VERTICAL SCALE N/A	DESIGNATION 1700161/ 1700162
	CHECKED: SCS      CHECKED: SDC		SURVEY BOOK CONTRACT R-41582	
<b>PAVEMENT MARKING SUMMARY TABLE</b>				



**STRUCTURE DATA**

STRUCTURE NO.	LOCATION				STRUCTURE TYPE	SIZE IN.	PIPE TYPE	LENGTH FT.	SKEW	FLOW LINE			SERVICE LIFE YR.	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL, TYPE		VELOCITY FPS	REVETMENT RIPRAP TONS	CLASS I RIPRAP TONS	GEOTEXTILE SYD	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR. NO.	REMARKS												
	STATION	LEFT	CROSS	RIGHT						COVER FT.	UP STREAM ELEV.	DOWN STREAM ELEV.					STRUCTURE BACKFILL, TYPE 1 CYS	STRUCTURE BACKFILL, TYPE 5 CYS						TYPE	SLOPE	EA.	TYPE	SLOPE	EA.														
<b>DES 1700161</b>																																											
100	246+15	X			INLET B-15 SLOTTED DRAIN	12	2	7 50		1.8	573.95	573.88	75	NA	7.0	1	2	4.9											101														
101	246+15	X			INLET E-7	12	2	355		3.1	573.88	570.33	75	NA	7.0	1	141	4.9											103														
102	249+70	X			INLET B-15 SLOTTED DRAIN	12	2	7 50		1.8	573.58	573.51	75	NA	7.0	1	2	4.9											103														
103	249+70	X			INLET E-7	12	2	290		6.2	570.33	567.43	75	NA	7.0	1	205	4.9											105														
<b>TOTAL</b>																<b>349</b>																											
<b>DES 1700162</b>																																											
104	252+60	X			INLET B-15	15	2	12		2.5	572.16	572.04	75	NA	7.0	1	2	5.7											105														
105	252+60	X			INLET E-7	15	2	140		5.6	567.43	566.00	75	NA	7.0	1	43	5.8	2.2		2.9								OUT														
106	255+63	X			INLET B-15 SLOTTED DRAIN	12	2	7 50		2.8	571.92	571.85	75	NA	7.0	1	2	4.9											107														
107	255+63	X			INLET E-7	12	2	84		2.8	571.01	570.00	75	NA	7.0	1	10	5.4											OUT														
108	256+80	X			INLET B-15	12	2	7		1.8	573.70	573.63	75	NA	7.0	1	1	4.9											109														
109	256+80	X			INLET E-7	12	2	117		3.7	572.18	571.01	75	NA	7.0	1	41	4.9											107														
110	257+68	X			INLET B-15 SLOTTED DRAIN	12	2	7 50		2.3	573.14	573.07	75	NA	7.0	1	2	4.9											111														
111	257+68	X			INLET E-7	12	2	89		3.0	573.07	572.18	75	NA	7.0	1	27	4.9	1.3		1.8								109														
<b>TOTAL</b>																<b>129</b>			<b>4</b>		<b>5</b>																						

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
				N/A	
DESIGNED: SNP	DRAWN: SNP		STRUCTURE DATA TABLE	VERTICAL SCALE	DESIGNATION
CHECKED: SCS	CHECKED: SCS			1700161/ 1700162	
				SURVEY BOOK	DWG. NO.
			R-41582	SD-01	22 of 42
				CONTRACT	PROJECT
				1700161/ 1700162	

US 50 TEMPORARY EROSION CONTROL TABLE															
STATION	LOCATION			ROLLED EROSION CONTROL PRODUCT	FABRIC SILT FENCE	SEDIMENT TRAP	SEDIMENT BASIN	SLOPE DRAIN	CURB INLET PROTECTION	DITCH INLET PROTECTION	EROSION CONTROL BLANKET	CULVERT PROTECTION FILTER BERM	RIPRAP DITCH CHECK	MODIFIED RIPRAP DITCH CHECK	REMARKS
	LEFT	MEDIAN	RIGHT												
				LFT	LFT	TON	EACH	LFT	EACH	EACH	SYS	TON	TON	TON	
LINE "A" (Des 1700161)															
241+60	"A"	X											9		
246+15	"A"	X							1	1					
249+70	"A"	X							1	1					
LINE "A" (Des 1700161) TOTAL															
									2	2			9		
LINE "A" (Des 1700162)															
253+10	"A"	X							1	1					
253+00 to 255+34	"A"	X									543.86				
255+63	"A"	X							1	1					
256+81	"A"	X							1	1					
257+68	"A"	X							1	1					
261+00	"A"	X											9.00		
LINE "A" (Des 1700162) TOTAL															
									4	4	544		9		
Calc.: JLG Date: 4/15/2020															
Checked: SDC Date: 4/30/2020															

GUARDRAIL SUMMARY TABLE													
Begin Station	End Station	Side	Guardrail, Remove	Guardrail End Treatment, Remove	Guardrail Terminal System, W-Beam, Curved, Remove	Guardrail End Treatment, OS	Guardrail Terminal System, W-Beam, Curved, 4	MGS Guardrail Transition with Curb	Hand Dig Guardrail Post Holes	GUARDRAIL MGS, HEIGHT TRANSITION	Guardrail, MGS W-Beam, 6 Ft. 2 In Spacing	Guardrail, MGS Long Span, Type 1	Remarks
			(ft)	(ea)	(ea)	(ea)	(ea)	(ea)	(ea)	(ea)	(ft)	(ea)	
253+17.25 "A"	255+04.40 "A"	LT	175.0	2									
252+97.51 "A"	253+68.00 "A"	LT				1	1	1			18.75		
254+79.79 "A"	255+32.07 "A"	LT				1	1	1					
<b>Totals</b>			<b>175.00</b>	<b>2</b>		<b>2</b>	<b>2</b>	<b>2</b>			<b>18.75</b>		
			Calc.: SDC Date: 4/30/2020										
			Checked: JLG Date: 4/30/2020										

MAILBOX SUMMARY TABLE					
LOCATION	OFFSET		ASSEMBLY TYPE		
	LEFT	RIGHT	SINGLE	DOUBLE	MULTI (5)
<b>DES 1700161</b>					
246+53.16	Line "A"	40			1
<b>TOTAL:</b>			<b>0</b>	<b>0</b>	<b>1</b>
Calc.: SNP			Date:	4/27/2020	
Checked: SDC			Date:	4/28/2020	

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
		VERTICAL SCALE	DESIGNATION
DESIGNED: _____	MISCELLANEOUS TABLES	SURVEY BOOK	DWG. NO. SHEET NO.
CHECKED: _____		CONTRACT PROJECT	23 of 42
		R-41582	1700161/ 1700162

RIPRAP DITCH & SEEDING/SODDING SUMMARY TABLE														
LOCATION				RIPRAP DITCH					SEEDING				SODDING	
FROM STATION	TO STATION	LEFT	RIGHT	DITCH, RIPRAP (TONS)	REVEINMENT RIPRAP (TONS)	CLASS 1 RIPRAP (TONS)	GLACIAL ERGATIC STONE, TYPE 1 (TONS)	GEOTEXTILES FOR RIPRAP, TYPE 1A (SYS)	FOR DITCHES (SYS)	FOR GRADE BREAK (SYS)	SODDING AT HEADWALL (SYS)	TOTAL SEEDING (SYS)	FOR DITCHES (SYS)	TOTAL SODDING (SYS)
<b>DES 1700161</b>														
241+60	244+00	X							67	400		467		0
244+00	246+91	X								724		724		0
246+91	251+40	X								776		776		0
SUBTOTAL				0	0	0	0	0				1,967		0
<b>DES 1700162</b>														
251+40	252+88	X							14	292		306		0
252+88	255+36	X								521		521		0
255+36	256+54	X								101		101		0
256+54	257+13	X								87		87		0
257+13	260+20	X								416		416		0
260+20	261+00	X		6.85				9		131		131	22	22
SUBTOTAL				7	0	0	0	9				1,562		22
<b>TOTALS</b>				7	0	0	0	9	0	0		3,529	0	22
Calc.: SDC Date: 4/28/2020														
Checked: SNP Date: 4/28/2020														

MONUMENT TABLE									
LOCATION			R/W MARKER	SECTION CORNER	MONUMENT TYPE				REMARKS
STATION	LINE	OFFSET			A	B	C	D	
241+60.00	A	CL			1				BEGIN PROJECT
241+85.00	A	13.28' L			1				PI
243+60.26	A	CL			1				CR 1225
246+62.82	A	CL			1				PT
256+80.22	A	CL			1				PC
257+12.63	A	CL			1				CR 1250
260+13.42	A	19.31' L			1				PI
261+20.00	A	CL			1				END PROJECT
SUB TOTAL									
			0	0	0	8	0	0	
Calc.: SDC Date: 4/28/2020									
Checked: KSC Date: 4/28/2020									

R/W MARKER TABLE		
STATION	LINE	OFFSET
246+62.82	A	61.91' L
249+00.00	A	45.0' L
251+75.00	A	45.0' L
251+75.00	A	55.0' L
254+00.00	A	55.0' L
254+41.00	A	60.0' L
254+66.00	A	60.0' L
254+66.00	A	50.0' L
255+65.50	A	40.0' L
256+80.22	A	40.0' L
256+87.02	A	40.01' L
257+59.84	A	50.0' L
261+22.47	A	50.0' L
261+22.47	A	13.0' L
10+58.13	S	14.0' L
10+73.13	S	19.0' L
11+04.56	S	14.0' L
11+04.56	S	9.0' L
11+04.91	S	9.0' R
11+04.91	S	19.0' R
SUB TOTAL		
Calc.: SDC Date: 4/28/2020		
Checked: KSC Date: 4/28/2020		

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: XXX	DRAWN: XXX		VERTICAL SCALE	DESIGNATION
CHECKED: XXX	CHECKED: XXX		MISCELLANEOUS TABLES	1700161/ 1700162	
				SURVEY BOOK	DWG. NO. SHEET NO.
				CONTRACT	MST-02 24 of 42
				R-41582	PROJECT 1700161/ 1700162

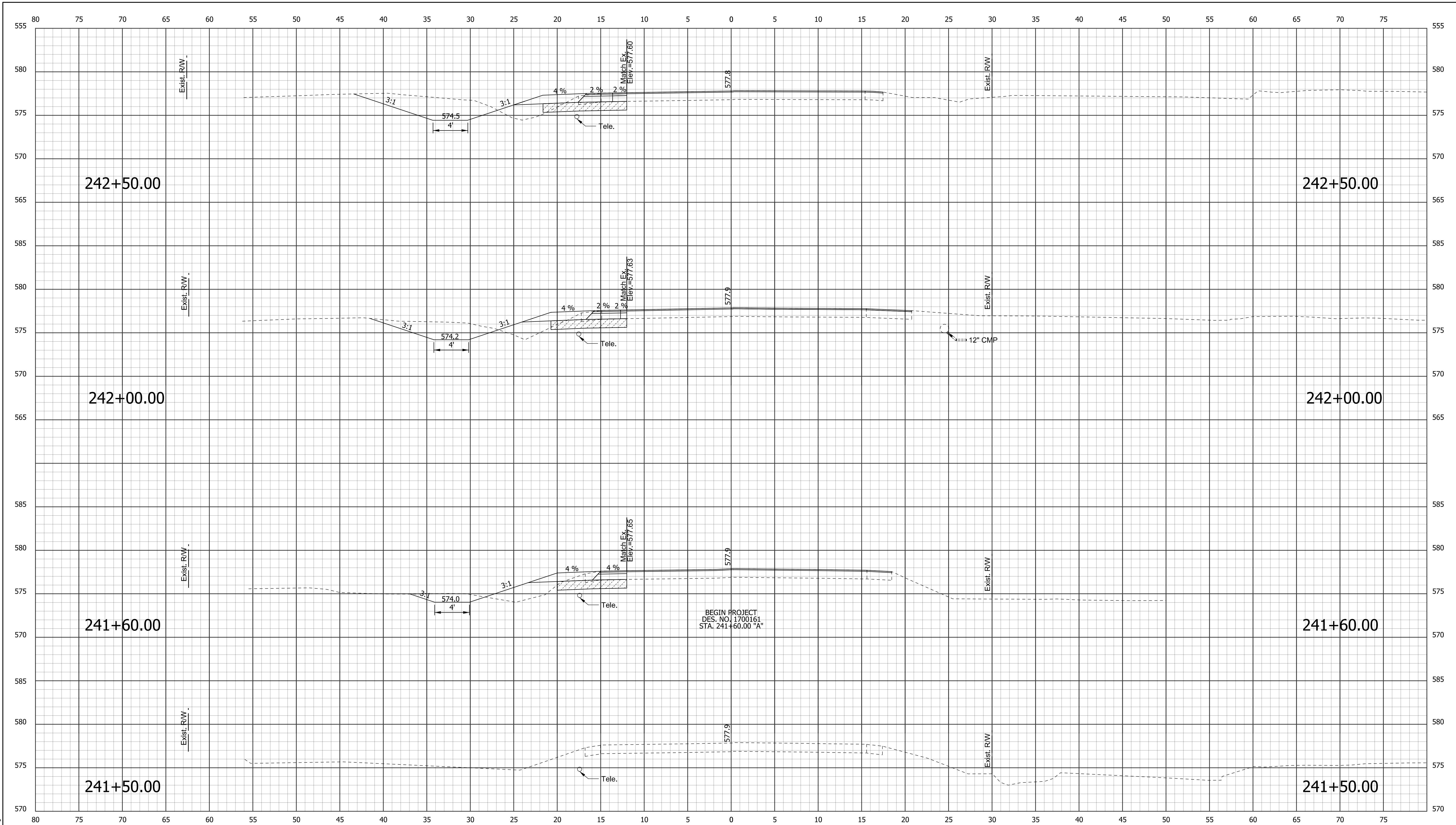


PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	AREA	QC/QA-HMA MATERIALS			HMA FOR APPROACHES, TYPE B				TACK COAT	COMPACTED AGGREGATE No. 53, BASE		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	CURB & GUTTER, COMBINED TYPE B	CURB & GUTTER, COMBINED TYPE B, MODIFIED	6" PCCP FOR APPROACHES	9" PCCP FOR APPROACHES	PAVEMENT REMOVAL	MILLING, ASPHALT, 1.5"	MILLING, TRANSITION	DENSE GRADED SUBBASE	GEOGRID TYPE IB	SEEDING, TYPE R	SUBGRADE TREATMENT, TYPE 1C	SUBGRADE TREATMENT, TYPE II	REMARKS						
						QC/QA-HMA 3, 70, SURFACE 9.5 mm	QC/QA-HMA 3, 70, INTERMEDIATE 12.5 mm	QC/QA-HMA, 3, 64, BASE, 25.0 mm			HMA SURFACE, TYPE B	HMA INTERMEDIATE, TYPE B		DEPTH																		DEPTH					
						LBS. PER SYD.						4"		6"	6"																	10"					
						165	275	880			165	275		TON	CYS																	TON	TON	LFT	LFT	LFT	LFT
FT	FT	FT	SFT	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON								
<b>DES 1700161 CR 1225</b>																																					
STA. 241+60.00 TO STA. 251+40	Mainline	Var.	980.0		7054.02 7194.28 7474.72	64.66	109.91	365.43					0.62				109.08	3,920	1,960	3,920	697	44								1822.4							
	Shoulder	Var.			5405.72	49.55	82.59	264.28					0.45																								
	Resurfacing	Var.			31001.87								0.9																								
STA. 246+91.00 LT.	CLASS III	20.0	8.4	20, 20	200.5 476.59												29.44																				
<b>DES 1700161 TOTALS</b>																																					
						114	193	630					2	0	0	0	139	3920	1960	3920	697	44			0	22	0	3445	0	13	22	0	1822	75			
<b>DES 1700162 CR 1250</b>																																					
STA. 251+40.00 TO STA. 261+20.00	Mainline	Var.	980.0		7054.82 7240.57 7612.07	64.67	110.62	372.15					0.63				111.51	3,920	1,960	3,920	475	106									1692						
	Shoulder	Var.			5415.67	49.64	82.74	264.77					0.45																								
	Resurfacing	Var.			30145.52								0.8																								
STA. 252+87.50 LT.	CLASS I	12.0	5.3	10, 10	94.53 68.43																																
STA. 255+35.80 LT.	CLASS I	11.0	5.3	10, 10	99.07 213.36																																
										1.96	3.26																										
STA. 256+54.40 LT.	CLASS I	10.0	5.3	10, 10	94.03 43.76																																
STA. 257+16.43	C.R 1250 Approach				681.96					6.25	10.42		0.04																								
	Resurfacing				800.11	7.33							0.02																								
	Shoulders				549.79	5.04	8.40	26.88					0.05																								
<b>DES 1700162 TOTALS</b>																																					
						127	202	664					2	0	0	0	127	3920	1960	3920	575	106															
<b>SHEET TOTALS</b>																																					
						241	394	1294					4	0	0	0	266	7840	3920	7840	1272	150															
						TONS	TONS	TONS					TONS	TONS	CYS	TONS	TONS	LFT	LFT	LFT	LFT	LFT	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE N/A		BRIDGE FILE		
			VERTICAL SCALE N/A		DESIGNATION 1700161/ 1700162		
DESIGNED: KSC	DRAWN: SDC	APPROACH TABLE		SURVEY BOOK		DWG. NO. AT-01	SHEET NO. 25 of 42
CHECKED: SNP	CHECKED: SNP			CONTRACT R-41582		PROJECT 1700161/ 1700162	



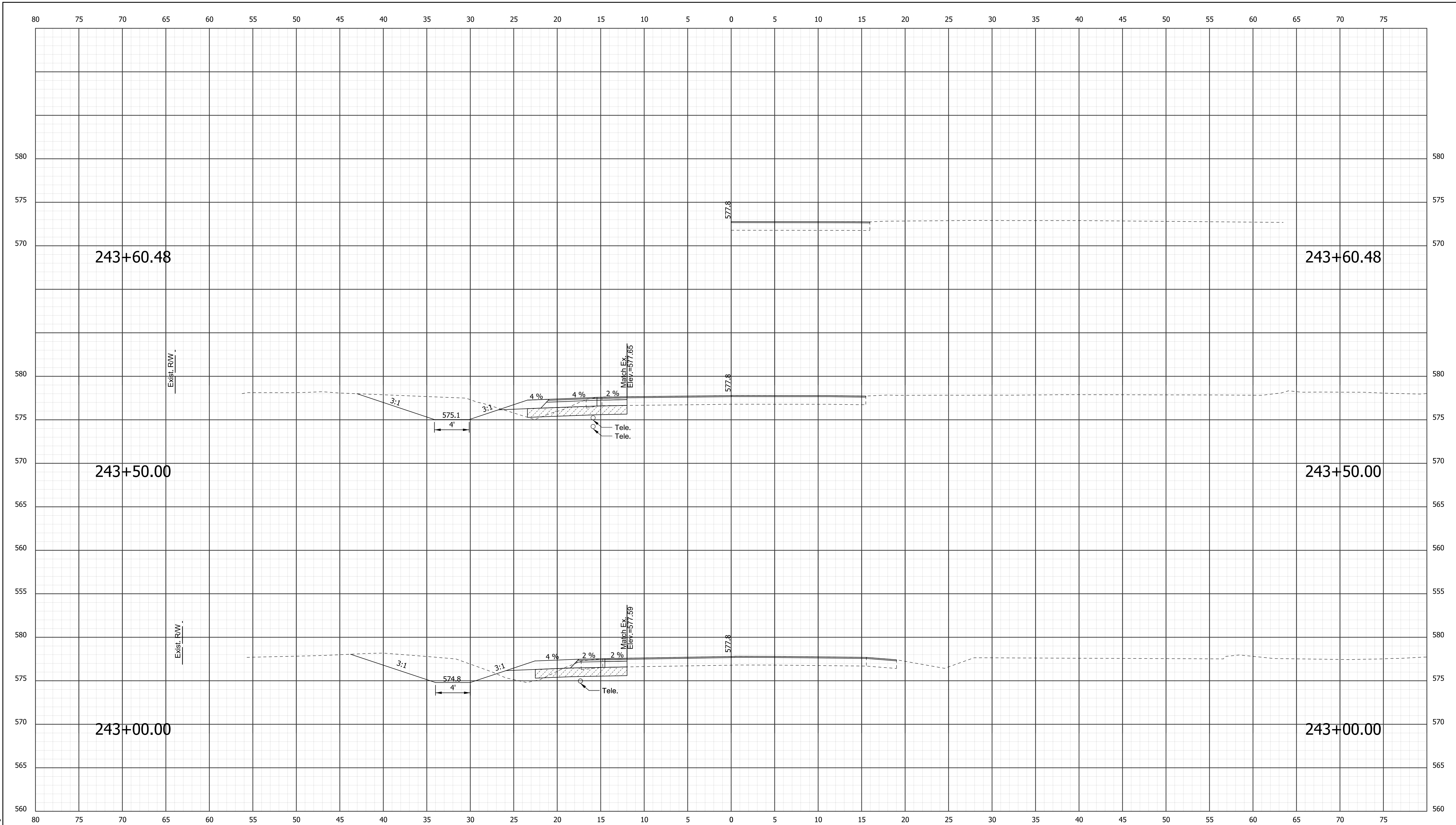
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: KSC	DRAWN: SDC		
CHECKED: SCS	CHECKED: KSC		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 241+50.00 "A" TO 242+50.00"A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK	DWG. NO. XS-01	SHEET NO. 26 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



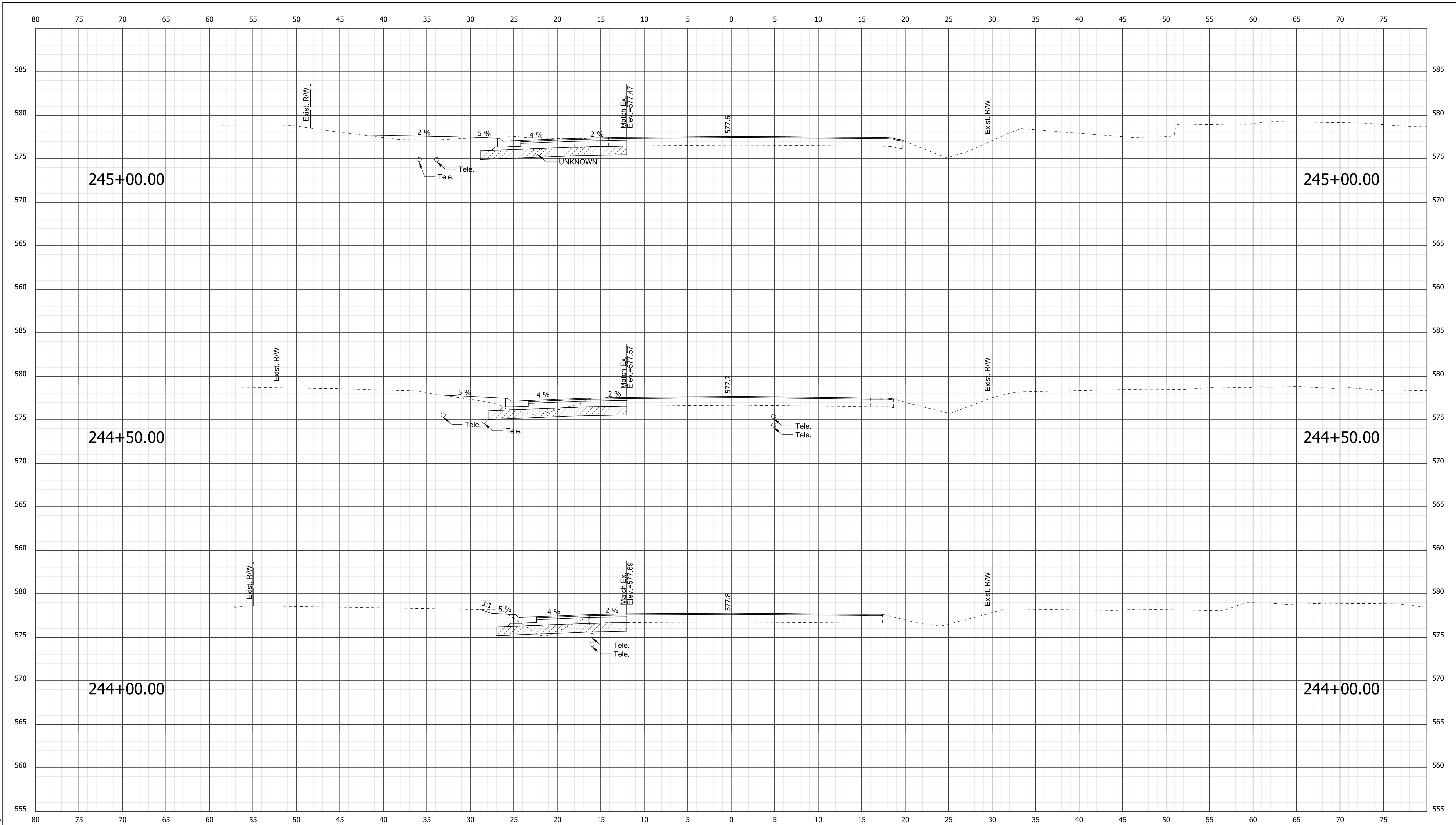
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
**LINE "A"**  
STA. 243+00.00 "A" TO 243+60.48 "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK	DWG. NO. XS-02	SHEET NO. 27 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



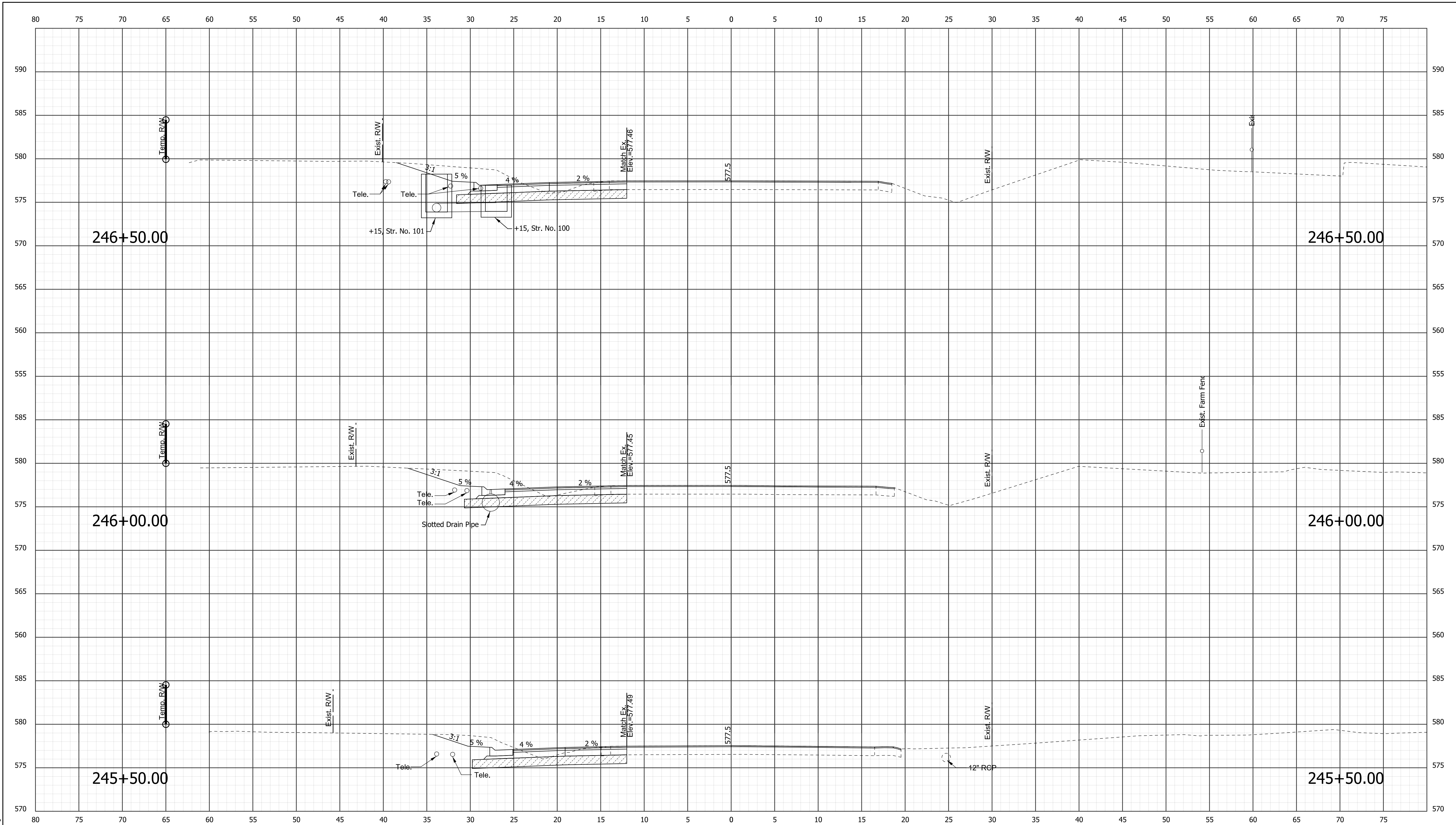
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 244+00.00 "A" TO 245+00.00"A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK	DWG. NO. XS-03	SHEET NO. 28 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



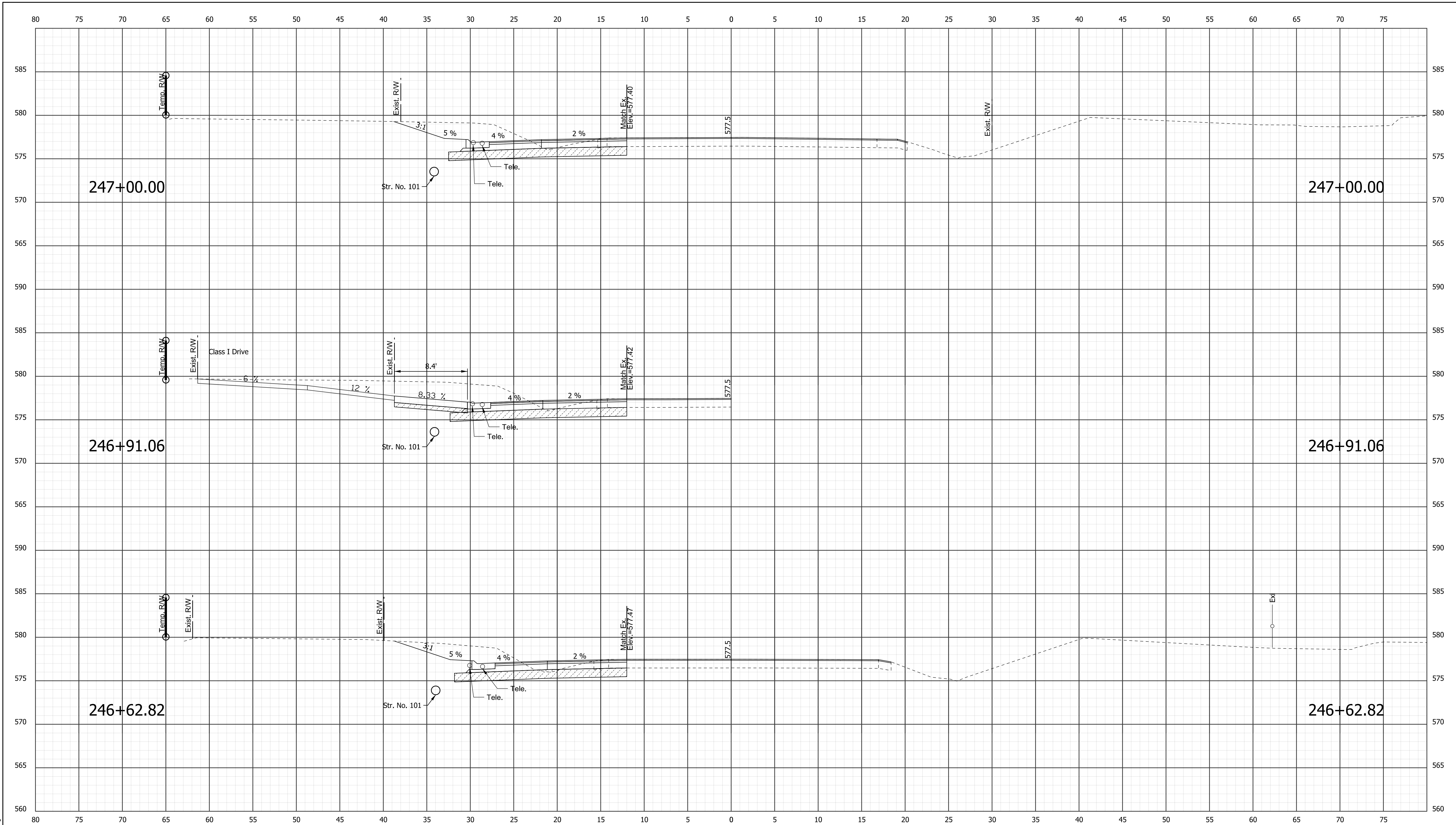
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: KSC	DRAWN: SDC		
CHECKED: SCS	CHECKED: KSC		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 245+50.00 "A" TO 246+50.00"A"**

HORIZONTAL SCALE 1" = 5'		BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'		DESIGNATION 1700161/1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	XS-04	29 of 42	
CONTRACT R-41582		PROJECT 1700161/1700162	



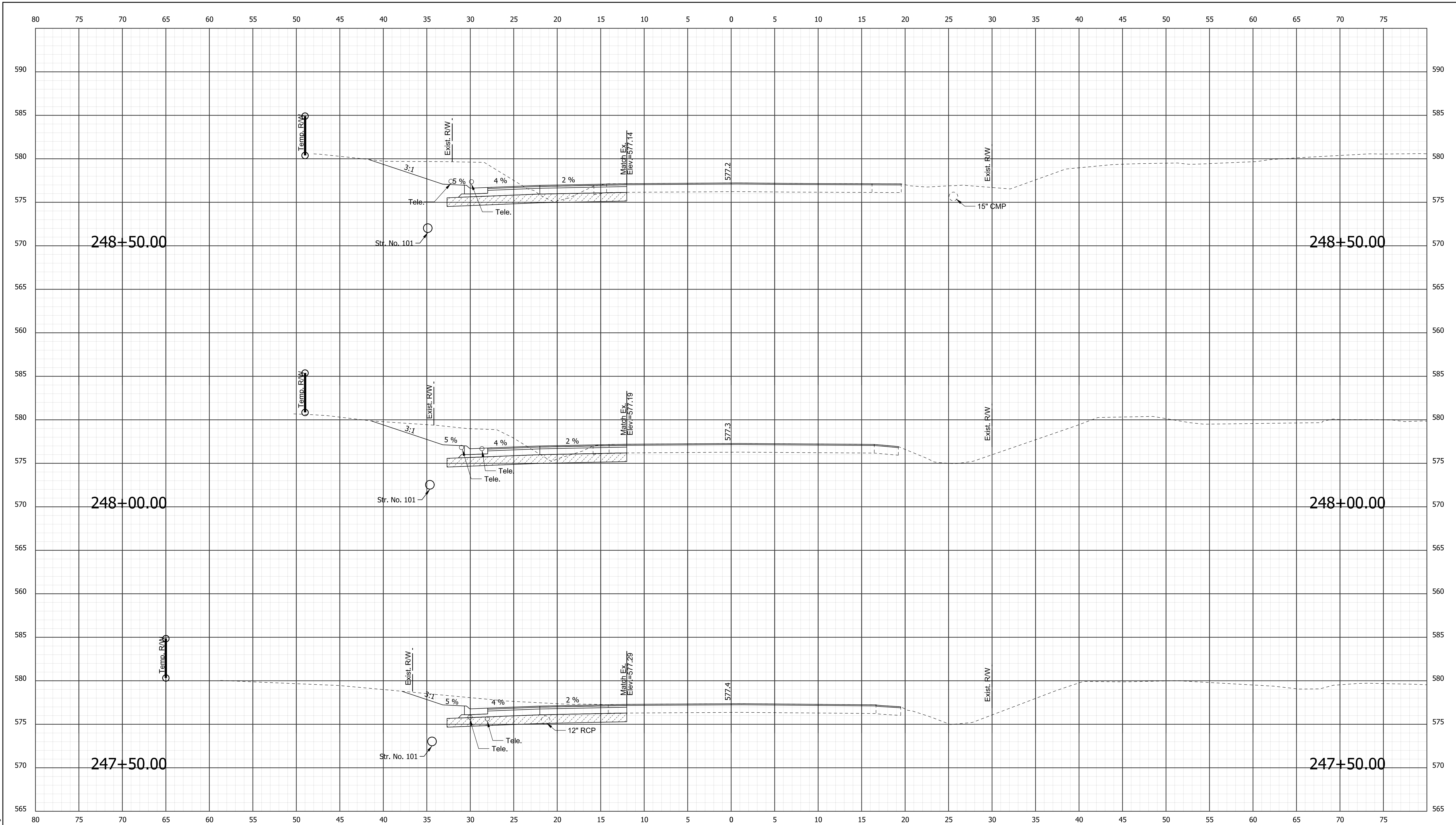
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 246+62.82 "A" TO 247+00.00"A"**

HORIZONTAL SCALE 1" = 5'		BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'		DESIGNATION 1700161/1700162	
SURVEY BOOK R-41582	DWG. NO. XS-05	SHEET NO. 30 of 42	
PROJECT 1700161/1700162			



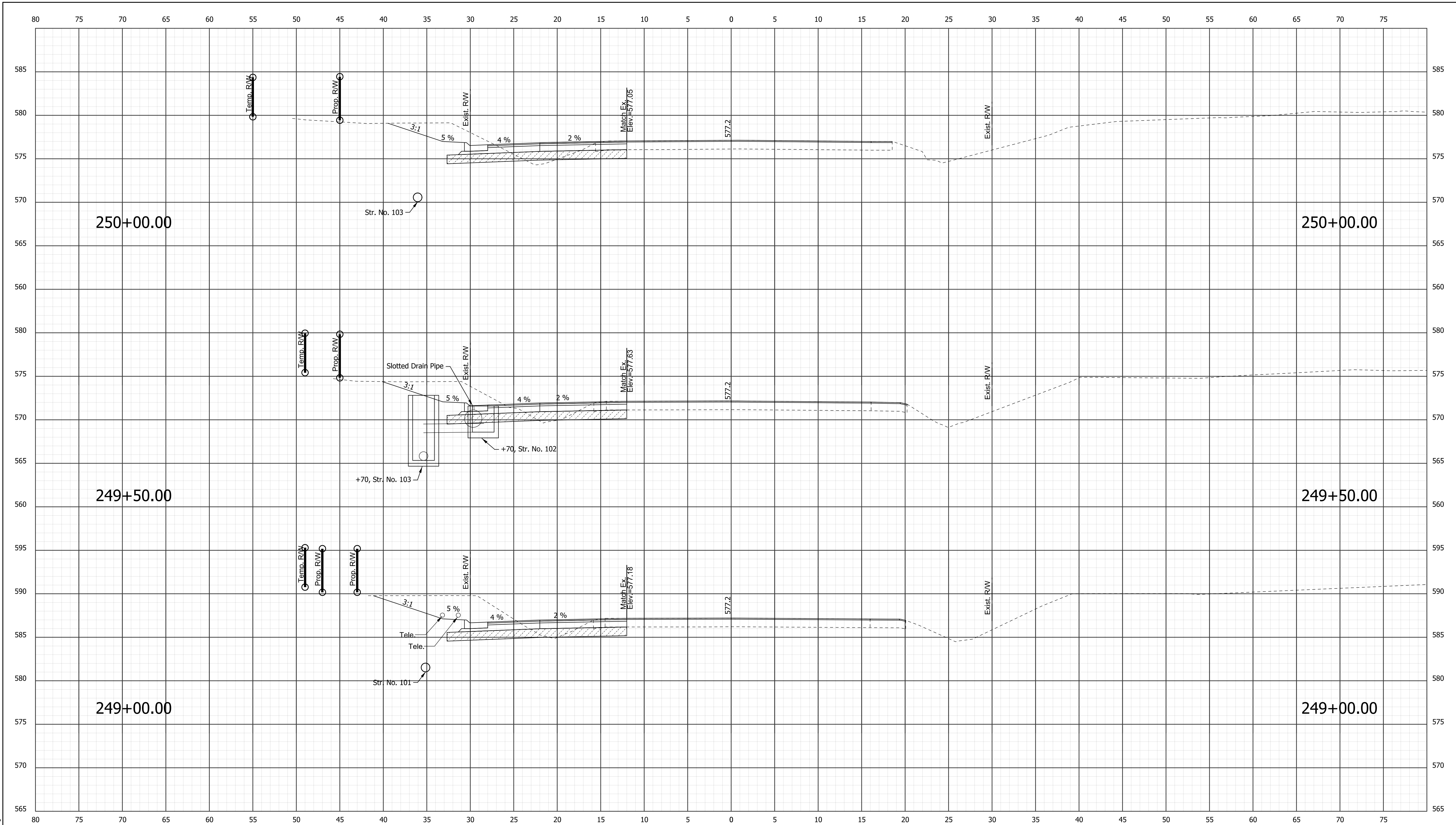
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 247+50.00 "A" TO 248+50.00"A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK R-41582	DWG. NO. XS-06	SHEET NO. 31 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



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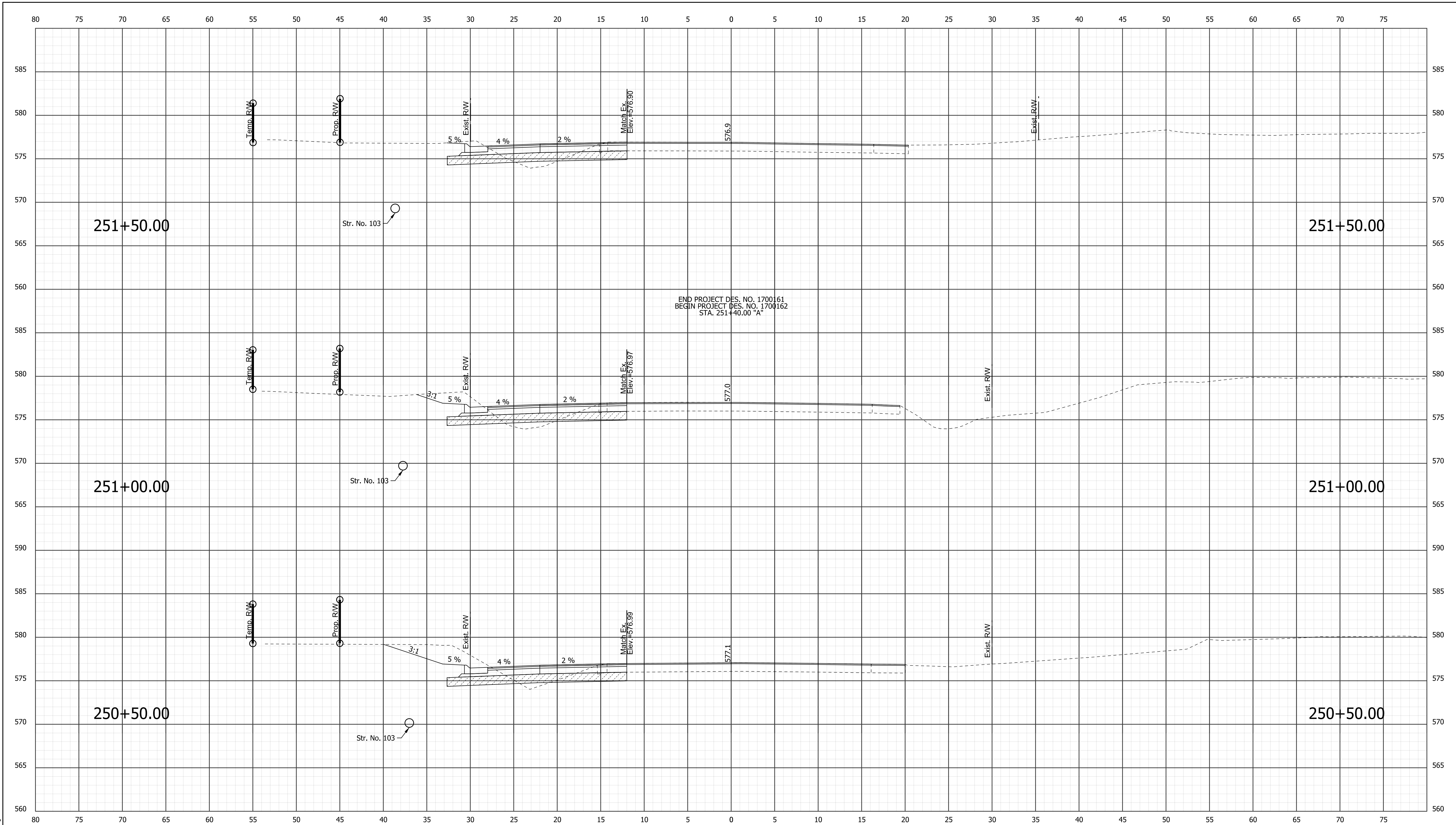
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: KSC	DRAWN: SDC		
CHECKED: SCS	CHECKED: KSC		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 249+00.00 "A" TO 250+00.00"A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 5'		XXX	
VERTICAL SCALE		DESIGNATION	
1" = 5'		1700161/1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	XS-07	32 of 42	
CONTRACT	PROJECT		
R-41582	1700161/1700162		





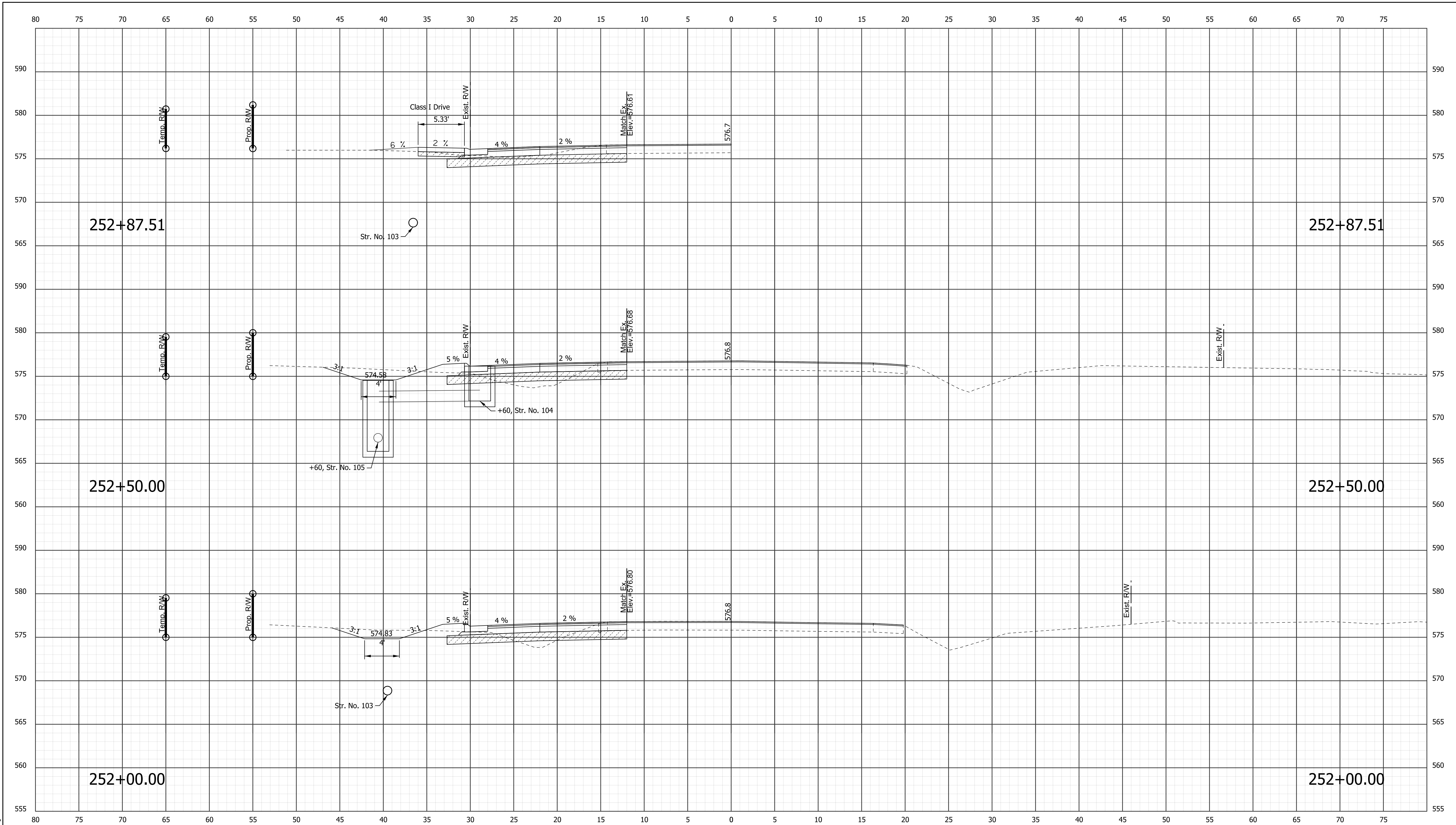
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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: KSC	DRAWN: SDC		
CHECKED: SCS	CHECKED: KSC		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 250+50.00 "A" TO 251+50.00"A"**

HORIZONTAL SCALE 1" = 5'		BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'		DESIGNATION 1700161/1700162	
SURVEY BOOK XS-08	DWG. NO. 33	SHEET NO. 33 of 42	
CONTRACT R-41582	PROJECT 1700161/1700162		



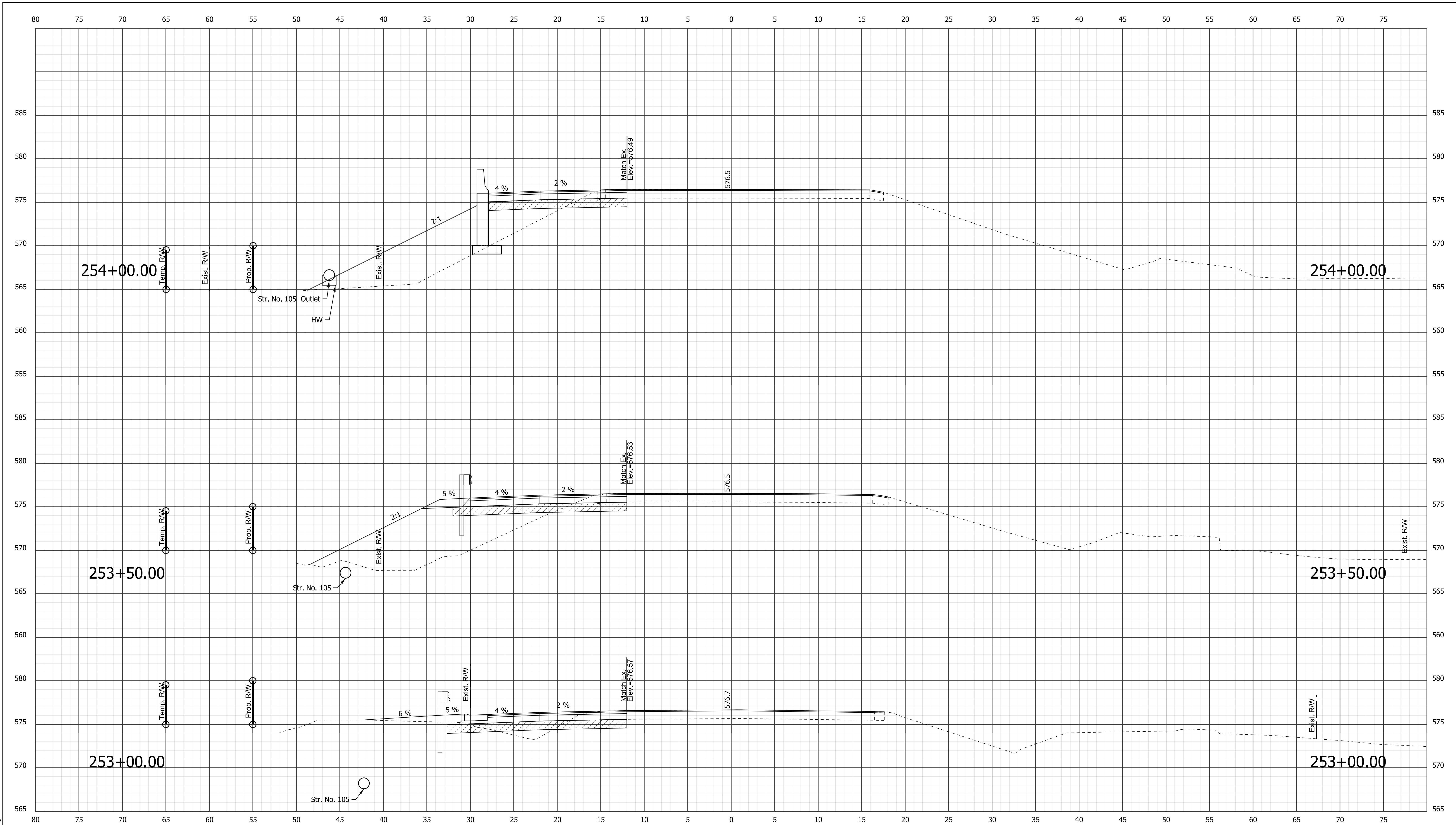
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 252+00.00 "A" TO 252+87.51 "A"**

HORIZONTAL SCALE 1" = 5'		BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'		DESIGNATION 1700161/1700162	
SURVEY BOOK R-41582	DWG. NO. XS-09	SHEET NO. 34 of 42	
CONTRACT R-41582		PROJECT 1700161/1700162	



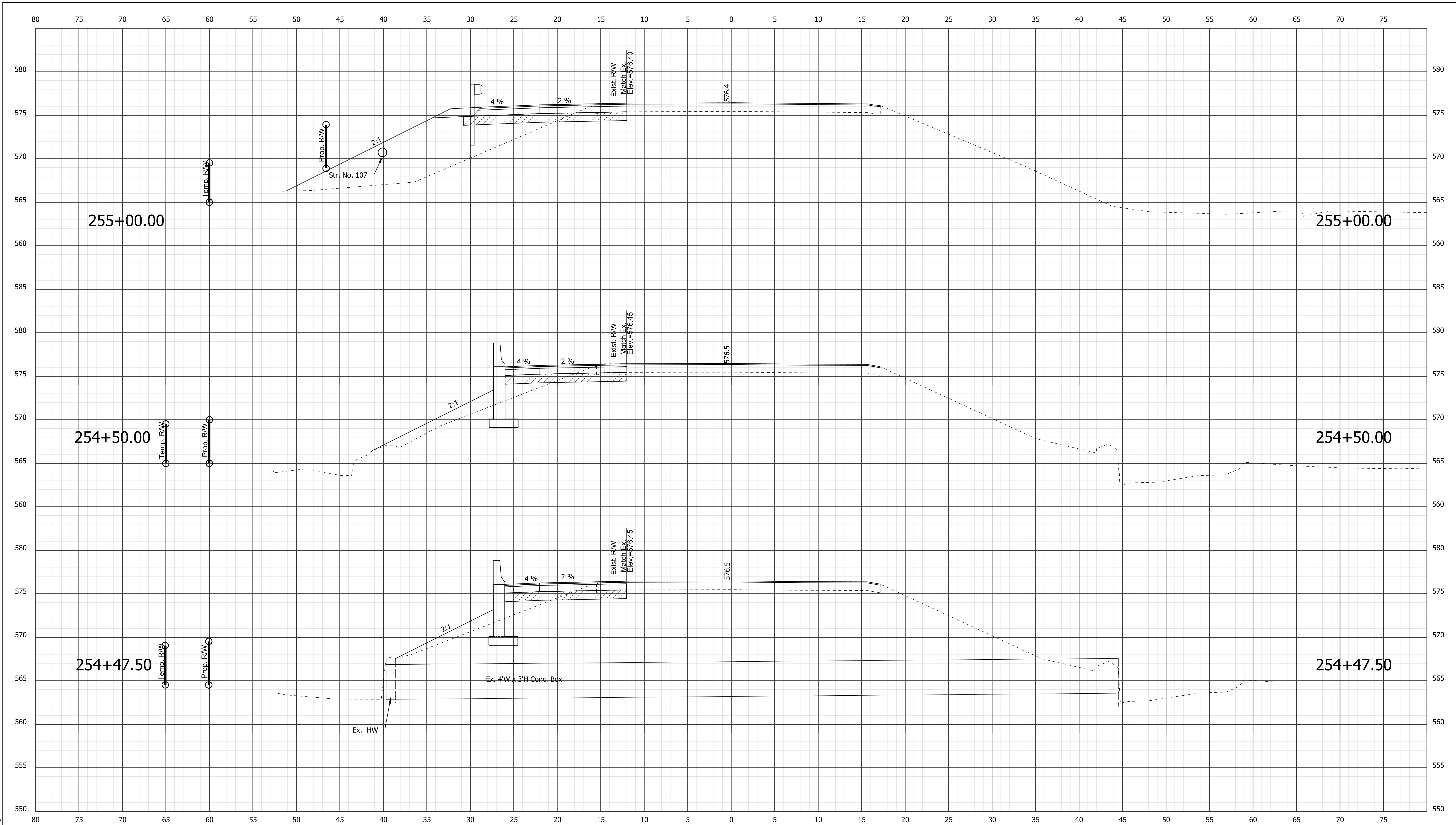
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 253+00.00 "A" TO 254+00.00"A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 5'		XXX	
VERTICAL SCALE		DESIGNATION	
1" = 5'		1700161/1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	XS-10	35 of 42	
CONTRACT		PROJECT	
R-41582		1700161/1700162	



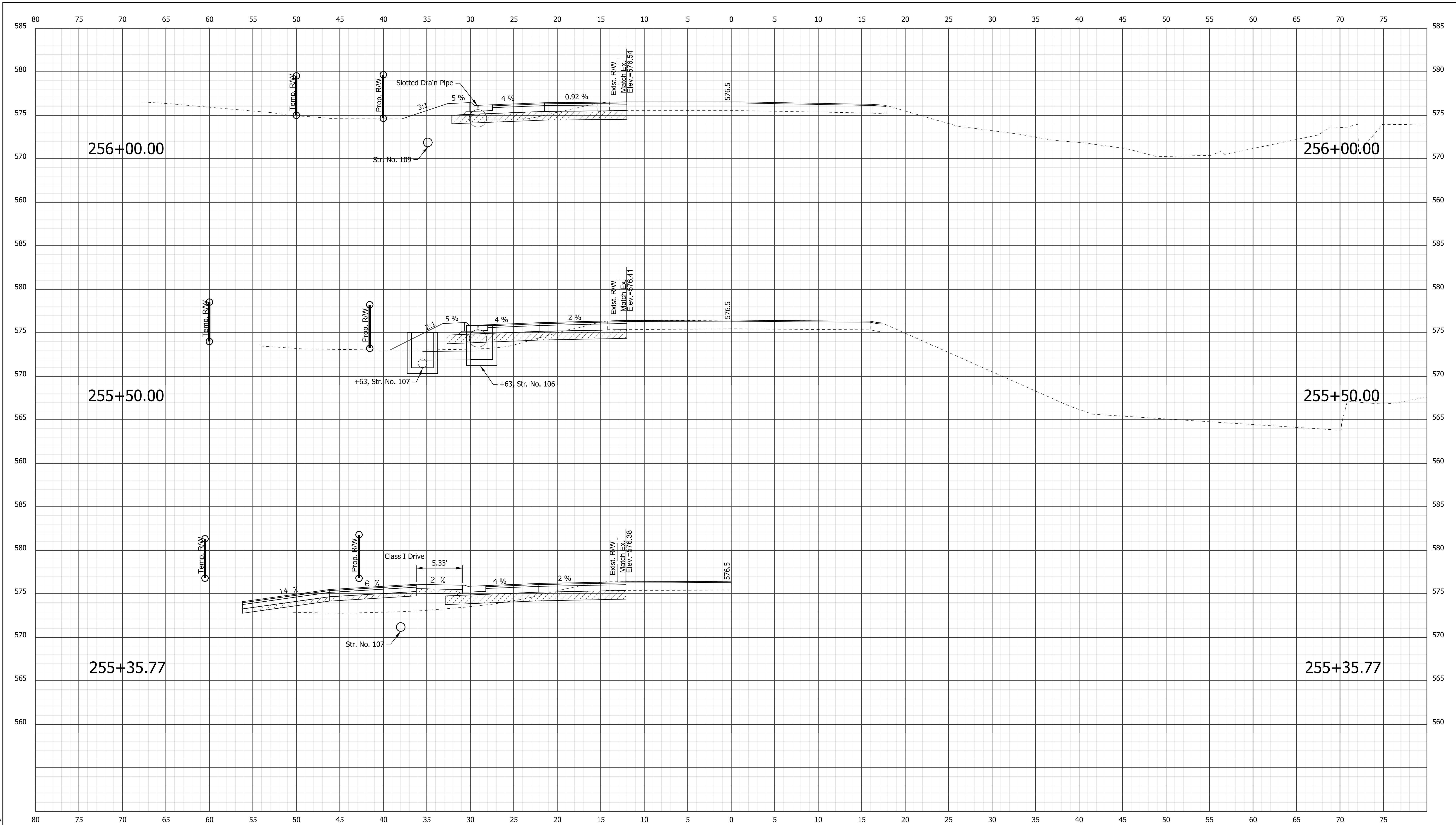
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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

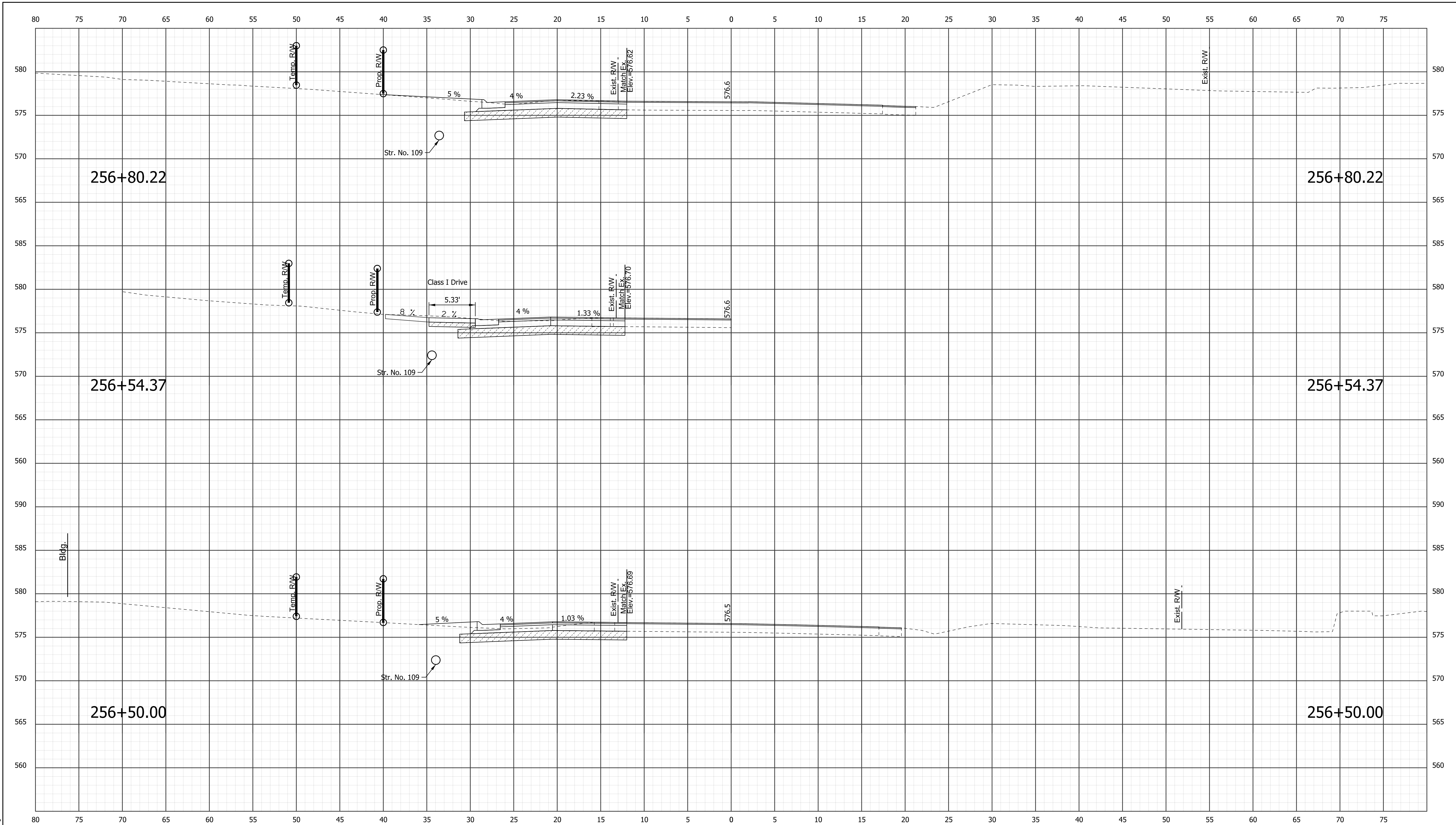
**CROSS SECTIONS**  
**LINE "A"**  
**STA. 254+47.50 "A" TO 255+00.00"A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK	DWG. NO. XS-11	SHEET NO. 36 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



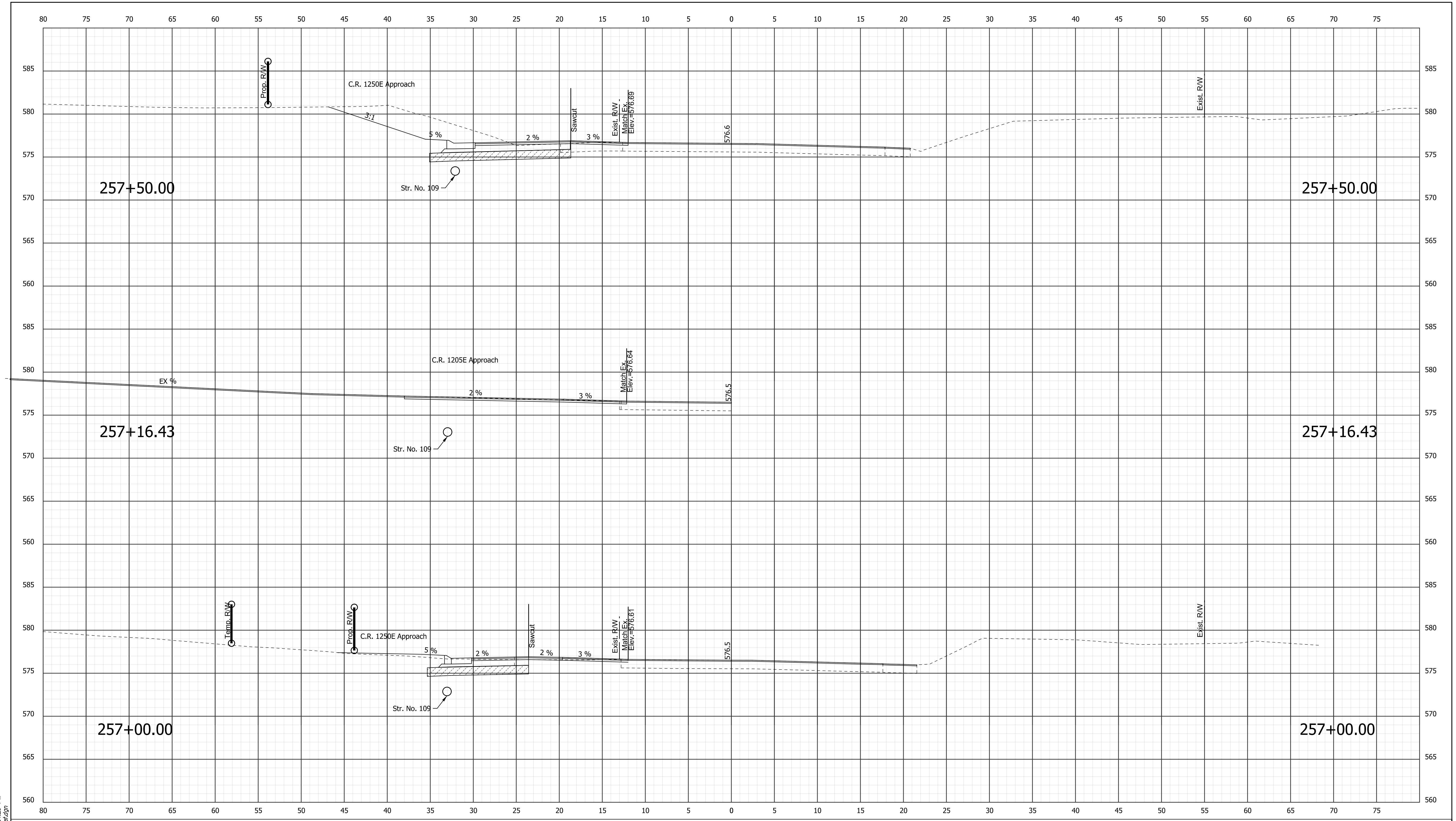
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	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">HORIZONTAL SCALE</td> <td style="width: 50%;">BRIDGE FILE</td> </tr> <tr> <td>1" = 5'</td> <td>XXX</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1700161/1700162</td> </tr> <tr> <td>SURVEY BOOK</td> <td>DWG. NO. SHEET NO.</td> </tr> <tr> <td></td> <td>XS-12 37 of 42</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-41582</td> <td>1700161/1700162</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 5'	XXX	VERTICAL SCALE	DESIGNATION	1" = 5'	1700161/1700162	SURVEY BOOK	DWG. NO. SHEET NO.		XS-12 37 of 42	CONTRACT	PROJECT	R-41582	1700161/1700162
HORIZONTAL SCALE	BRIDGE FILE																		
1" = 5'	XXX																		
VERTICAL SCALE	DESIGNATION																		
1" = 5'	1700161/1700162																		
SURVEY BOOK	DWG. NO. SHEET NO.																		
	XS-12 37 of 42																		
CONTRACT	PROJECT																		
R-41582	1700161/1700162																		
	DESIGNED: KSC      DRAWN: SDC CHECKED: SCS      CHECKED: KSC	<b>CROSS SECTIONS</b> <b>LINE "A"</b> <b>STA. 255+35.77 "A" TO 256+00.00"A"</b>																	



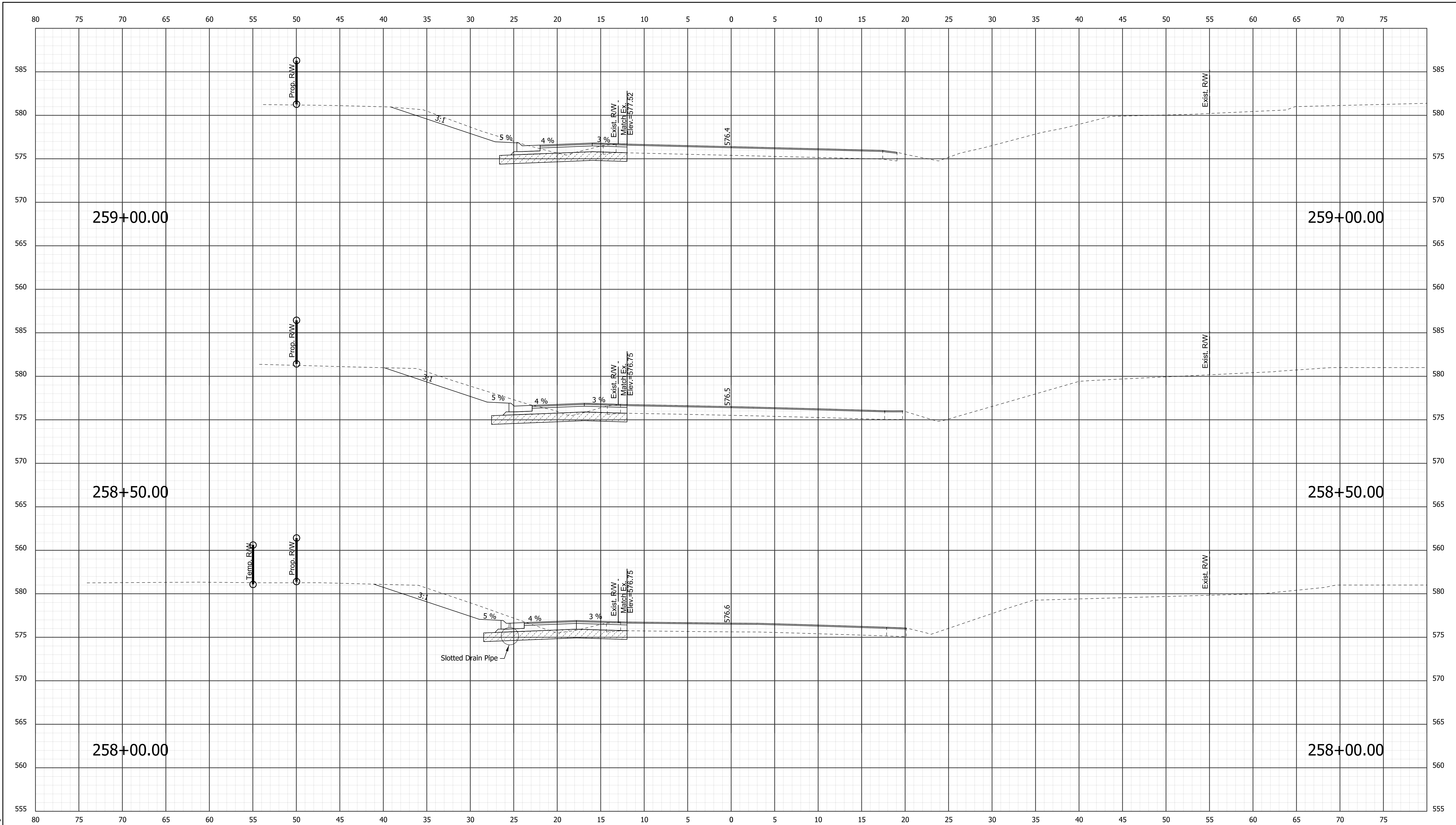
5/11/2020 12:42:26 PM P:\PHOTO25\Cadd\CDS\VS-Sheet.dgn

	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 5' VERTICAL SCALE 1" = 5'	BRIDGE FILE XXX DESIGNATION 1700161/1700162	
DESIGNED: KSC	DRAWN: SDC	<b>CROSS SECTIONS</b> <b>LINE "A"</b> <b>STA. 256+50.00 "A" TO 256+80.22 "A"</b>	SURVEY BOOK	DWG. NO. XS-13	SHEET NO. 38 of 42
CHECKED: SCS	CHECKED: KSC		CONTRACT R-41582	PROJECT 1700161/1700162	



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	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 5' BRIDGE FILE XXX
DESIGNED: KSC CHECKED: SCS	DRAWN: SDC CHECKED: KSC	<b>CROSS SECTIONS</b> <b>LINE "A"</b> <b>STA. 257+00.00 "A" TO 257+50.00 "A"</b>	VERTICAL SCALE 1" = 5' DESIGNATION 1700161/1700162
		SURVEY BOOK R-41582	DWG. NO. XS-14 SHEET NO. 39 of 42 PROJECT 1700161/1700162



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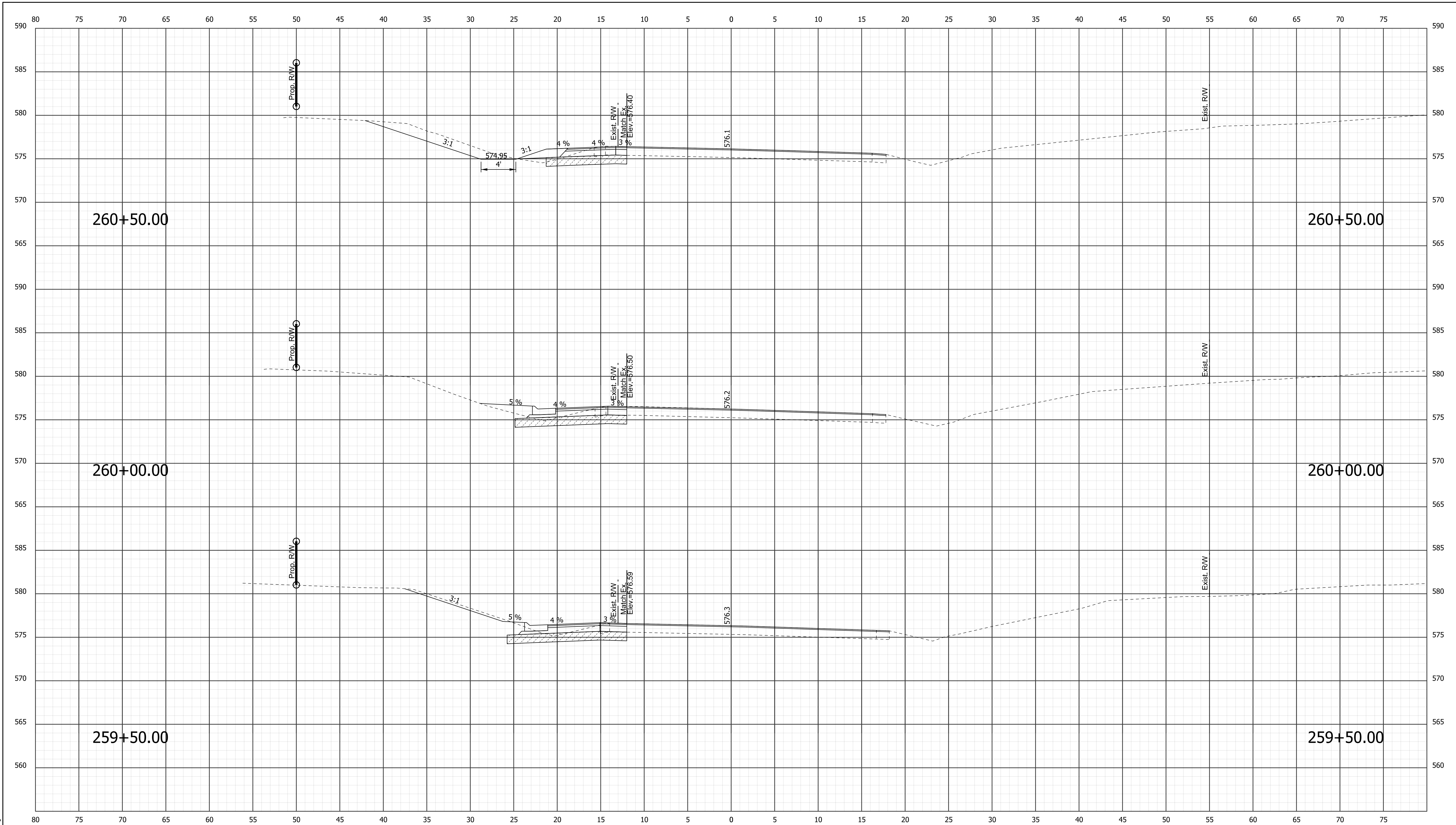
RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS**  
**LINE "A"**  
STA. 258+00.00 "A" TO 259+00.00 "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK XS-15	DWG. NO. 40	SHEET NO. 40 of 42
CONTRACT R-41582	PROJECT 1700161/1700162	



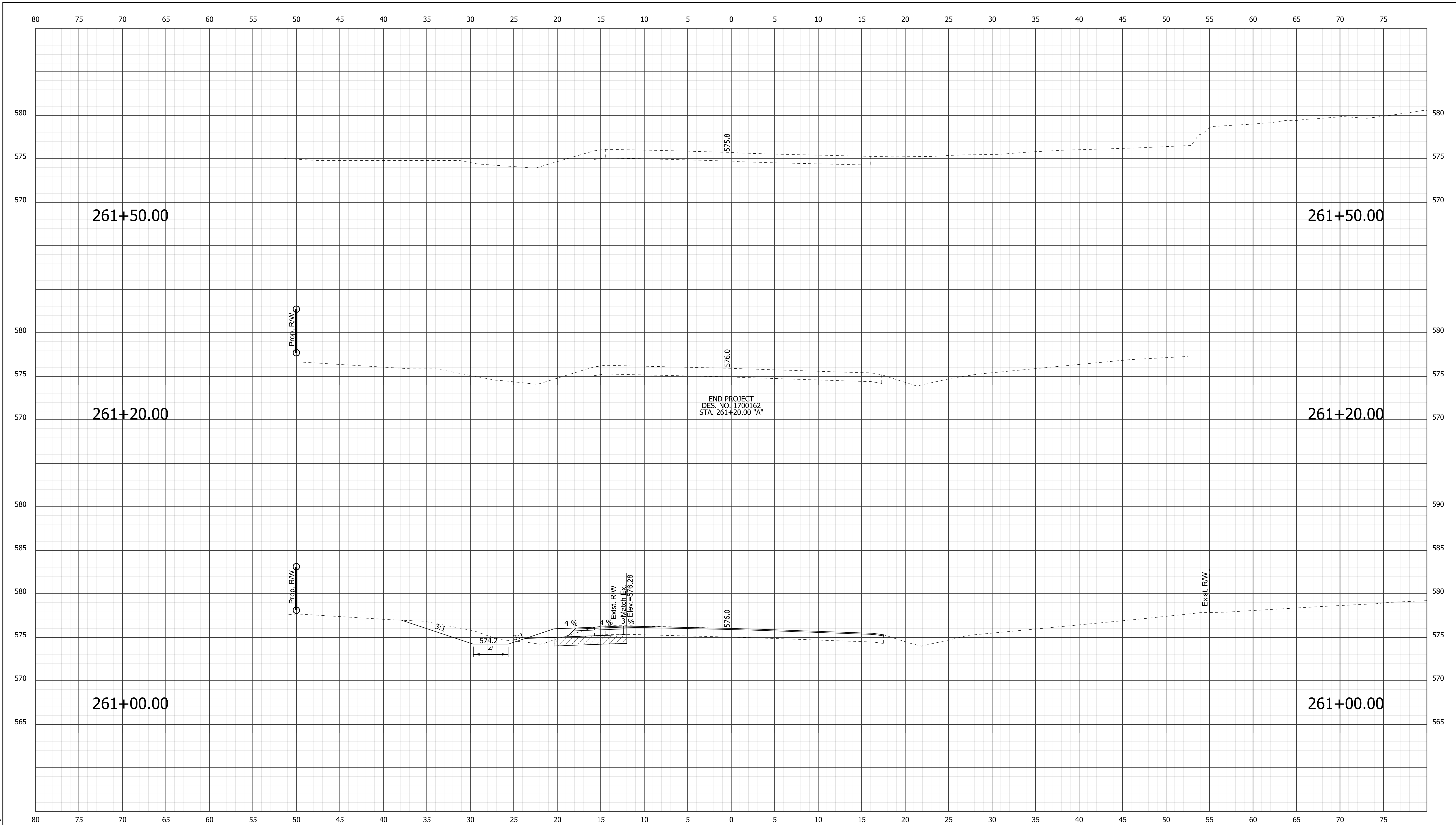


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RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: KSC	DRAWN: SDC				
CHECKED: SCS	CHECKED: KSC				

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CROSS SECTIONS**  
**LINE "A"**  
**STA. 259+50.00 "A" TO 260+50.00 "A"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 5'		XXX	
VERTICAL SCALE		DESIGNATION	
1" = 5'		1700161/1700162	
SURVEY BOOK	DWG. NO.	SHEET NO.	
	XS-16	41 of 42	
CONTRACT		PROJECT	
R-41582		1700161/1700162	



END PROJECT  
DES. NO. 1700162  
STA. 261+20.00 "A"

Prop. ROW

Prop. ROW

Exist. ROW

Exist. RW  
Match Lx.  
Elev. = 576.28

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RECOMMENDED FOR APPROVAL _____	
DESIGNED: KSC	DRAWN: SDC
CHECKED: SCS	CHECKED: KSC

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**LINE "A"**  
**STA. 261+00.00 "A" TO 262+00.00"A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE XXX	
VERTICAL SCALE 1" = 5'	DESIGNATION 1700161/1700162	
SURVEY BOOK XS-17	DWG. NO. 42	SHEET NO. of 42
CONTRACT R-41582	PROJECT 1700161/1700162	