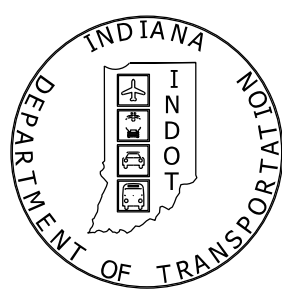


PROJECT	DESIGNATION
1801935	1801935
CONTRACT	BRIDGE FILE
R-41847 -----??	???????

INDIANA DEPARTMENT OF TRANSPORTATION

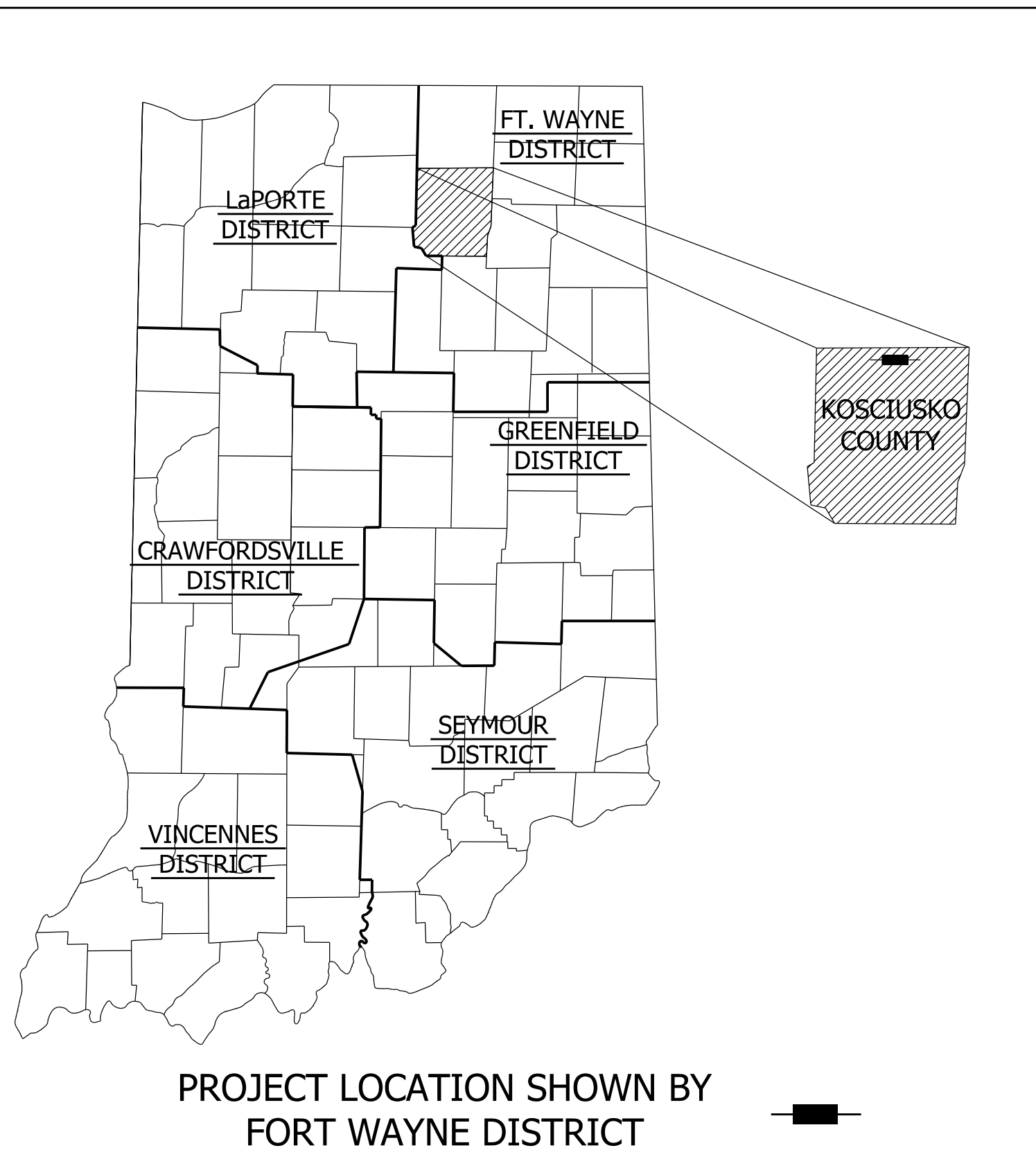


ROAD PLANS

KOSCIUSKO COUNTY ROAD 1300N EXTENSION BETWEEN OLD SR 15 AND SR 15 OVER NORFOLK SOUTHERN RAILROAD AND MAIN STREET

PROJECT NO. 1801935 P.E.
1801935 R/W
1801935 CONST.

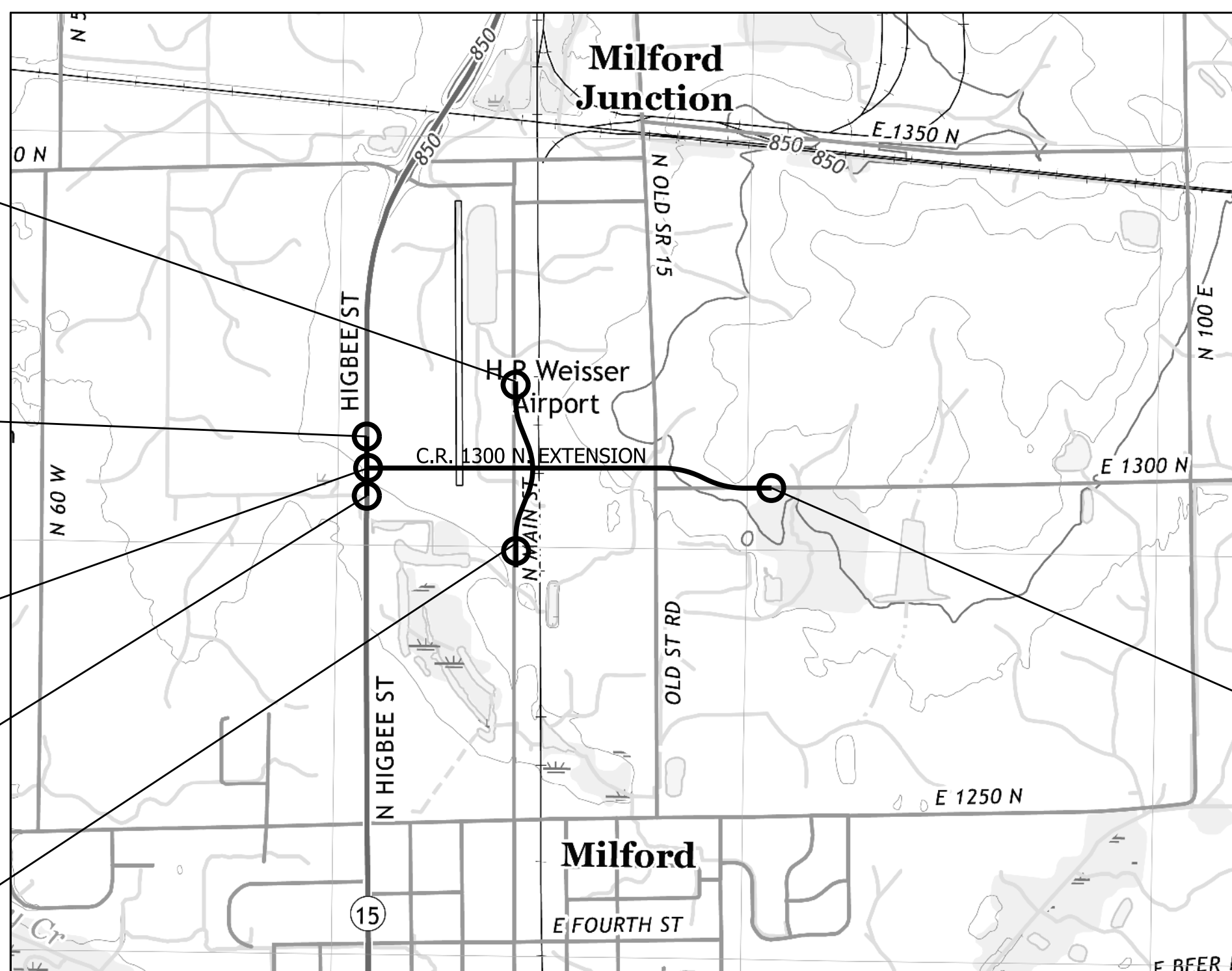
EXTENSION OF COUNTY ROAD 1300 NORTH (MILFORD/SYRACUSE ROAD)
AND NEW BRIDGE (STRUCTURE NO. XX-XX-XXXX)
OVER A SINGLE-TRACK NORFOLK SOUTHERN RAILROAD LINE AND MAIN STREET,
BETWEEN OLD SR 15 (OLD STATE ROAD) AND SR 15 (HIGBEE STREET),
NORTH OF THE TOWN OF MILFORD,
IN SECTION 4, 5 & 9, T-34-N, R-6-E, IN VAN BUREN TOWNSHIP OF KOSCIUSKO COUNTY, INDIANA



Latitude 40°25'15" N Longitude 85°50'44" W

KIN PROJECT INFORMATION	
DES. NO.	PROJECT DESCRIPTION
1900841	CR 1300 N Over Norfolk Southern RR & Main St.

- END PROJECT 1801935
215+00.00 "S-1"
- END PROJECT 1801935
308+50.21 "PR-B"
- BEGIN PROJECT 1801935
100+00.00 "PR-A"
- BEGIN PROJECT 1801935
300+00.00 "PR-B"
- BEGIN PROJECT 1801935
201+30.00 "S-1"



LOCATION MAP
SCALE: 1" = 1000'

TRAFFIC DATA		C.R. 1300 N.	
A.A.D.T. (2020)	2,650	V.P.D.	
A.A.D.T. (2040)	4,000	V.P.D.	
D.H.V (2040)	2603	V.P.H.	
DIRECTIONAL DISTRIBUTION	50 %		
TRUCKS	10 % A.A.D.T.		
	18 % D.H.V.		
DESIGN DATA			
DESIGN SPEED	45	M.P.H.	
PROJECT DESIGN CRITERIA	4R NEW CONSTRUCTION		
FUNCTIONAL CLASSIFICATION	MAJOR LOCAL COLLECTOR		
RURAL/URBAN	RURAL		
TERRAIN	LEVEL		
ACCESS CONTROL	NONE		

TRAFFIC DATA		MAIN ST.	
A.A.D.T. (2020)	100	V.P.D.	
A.A.D.T. (2040)	200	V.P.D.	
D.H.V (2040)	XXX	V.P.H.	
DIRECTIONAL DISTRIBUTION	XX %		
TRUCKS	XX % A.A.D.T.		
	XX % D.H.V.		
DESIGN DATA			
DESIGN SPEED	35	M.P.H.	
PROJECT DESIGN CRITERIA	4R NEW CONSTRUCTION		
FUNCTIONAL CLASSIFICATION	LOCAL ROAD		
RURAL/URBAN	RURAL		
TERRAIN	LEVEL		
ACCESS CONTROL	NONE		

BRIDGE LENGTH:	0.xxx	MI.
ROADWAY LENGTH:	0.62	MI.
TOTAL LENGTH:	0.xxx	MI.
MAX. GRADE:	4.25	%

HYDROLOGIC UNIT CODES
040500011708

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



Michael Baker International, Inc.
3815 River Crossing Parkway, Suite 20
Indianapolis, IN 46240
Tel: 317-663-8430 Fax: 317-663-8410
www.mbakertnt.com

Stage 2 Plans
May 26, 2020

PLANS PREPARED BY:	Michael Baker International, Inc.	317-663-8430 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
DESIGNATION	
1801935	
SURVEY BOOK	SHEETS
CONTRACT	1 of 64
B-41847	PROJECT
	1801935

UTILITIES

<p>ELECTRIC:</p> <p>NIPSCO Scott Hoffman 801 E. 86th Avenue Merrillville, IN 46410 (219) 789-0843 scotthoffman@nisource.com</p> <p>TELEPHONE:</p> <p>CENTURY LINK John Unverferth (419) 226-6342 john.c.unverferth@centurylink.com</p>	<p>GAS:</p> <p>NIPSCO Gary Freed 1153 Auburn Drive Auburn, IN 46706 (260) 909-6318 gfreed@nisource.com</p> <p>WATER:</p> <p>TOWN OF MILFORD Steven Marquart 121 S. Main Street Milford, IN 46542 (574) 658-4614 utilities@milford-indiana.org</p>	<p>CABLE:</p> <p>MEDIACOM, LLC Dennis Jarding 3900 26th Avenue Moline, IL 61265 (309) 743-4750 djarding@mediacomcc.com</p> <p>FIBER OPTIC:</p> <p>NEW PARIS TELEPHONE INC. Robin Loucks 19066 Market St. New Paris, IN 46553 (574) 831-2176 rloucks@nptel.com</p>
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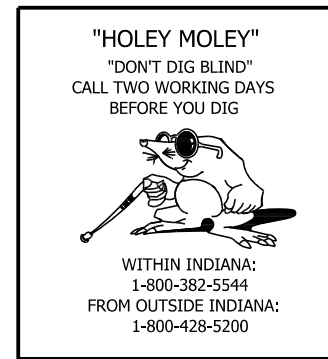
GENERAL NOTES

**	ALL EARTH SHOULDERS AND CUT AND FILL SLOPES SHALL BE PLAIN OR MULCH SEEDED EXCEPT WHERE OTHERWISE SPECIFIED.
**	THE PLANS SHOW SOME OF THE UTILITIES LOCATED WITHIN THE LIMITS OF THE CONTRACT ACCORDING TO INFORMATION OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE ACCURACY OF THE PLANS IN THIS RESPECT IS NOT GUARANTEED BY BURGESS & NIPL, INC.
	THE FINAL CROSS SECTIONS OF THE GRADING CONTRACT WILL BE THE ORIGINAL CROSS SECTIONS OF THE PAVING CONTRACT. HOWEVER, PARTIAL OR COMPLETE CROSS SECTIONS SHALL BE TAKEN IF NECESSARY TO DETERMINE THE ACTUAL EXCAVATION QUANTITIES.

** REPRESENTS GENERAL NOTES REQUIRED.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3 - 4	TYPICAL SECTIONS
5	PLAT NO. 1
6 - 8	MAINTENANCE OF TRAFFIC
9 - 15	PLAN & PROFILE SHEETS
16 - 17	SUPERELEVATION DIAGRAMS
18 - 25	EROSION CONTROL PLANS
26 - 29	PAVEMENT MARKINGS
30	APPROACH TABLE
31	STRUCTURE DATA TABLE
32 - 64	CROSS SECTIONS

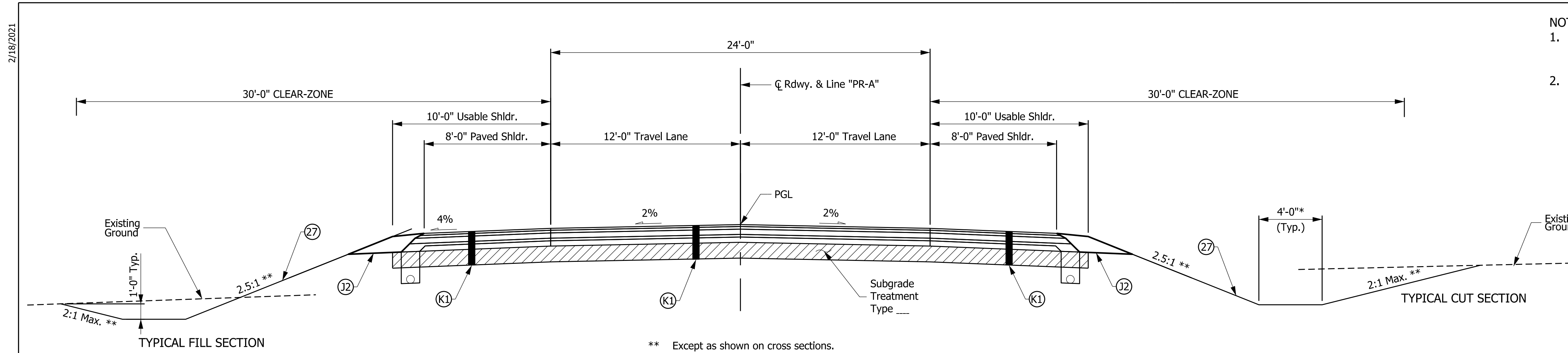


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____
DESIGNED: _____ KSC _____	DRAWN: _____ KSC _____
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____

**INDIANA
DEPARTMENT OF TRANSPORTATION**

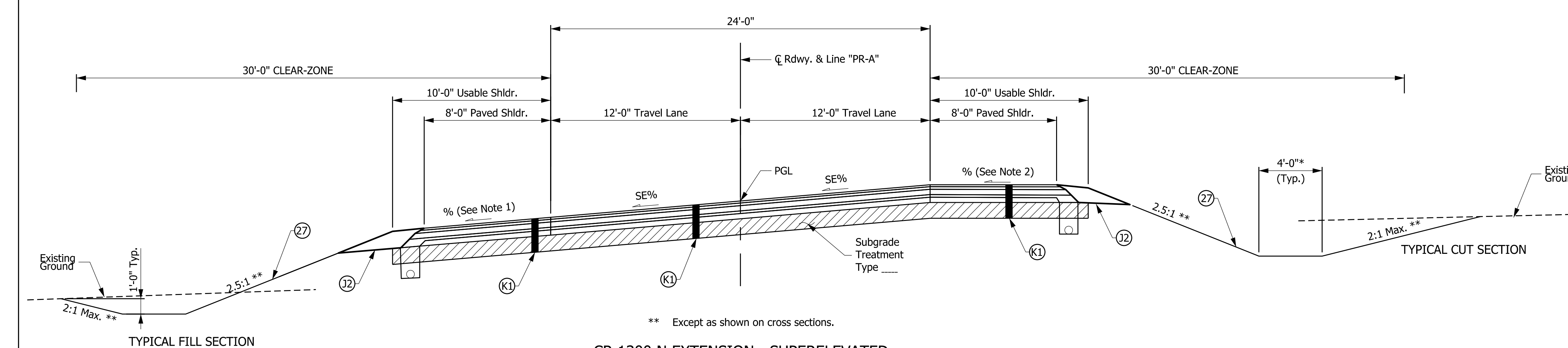
INDEX SHEET

HORIZONTAL SCALE N/A	BRIDGE FILE -
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK -	SHEETS 2 of 64
CONTRACT B-41847	PROJECT 1801935

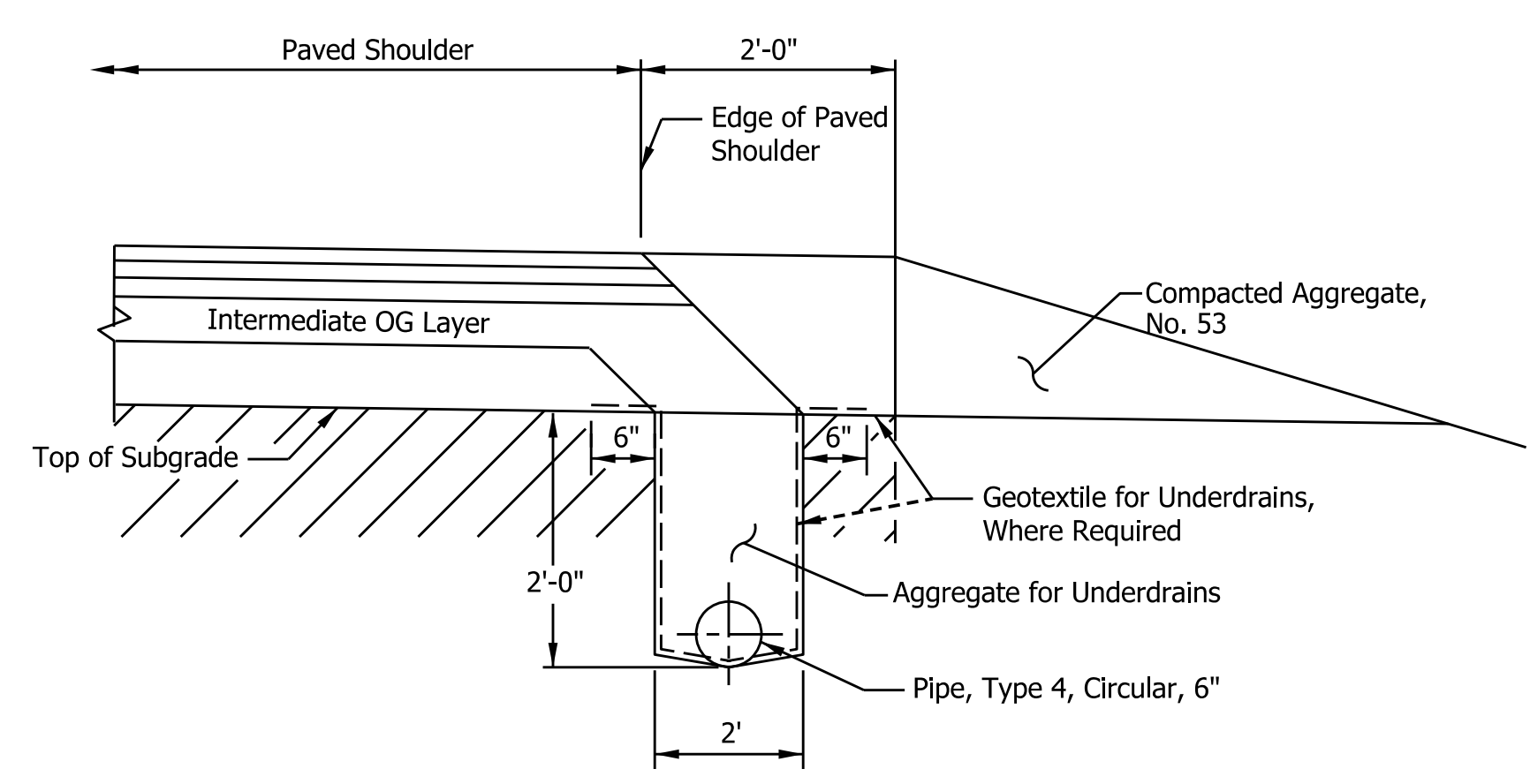


CR 1300 N EXTENSION - NORMAL CROWN
 Sta. 100+00.00 to Sta. 121+92.28
 Sta. 132+08.87 to Sta. 132+56.64

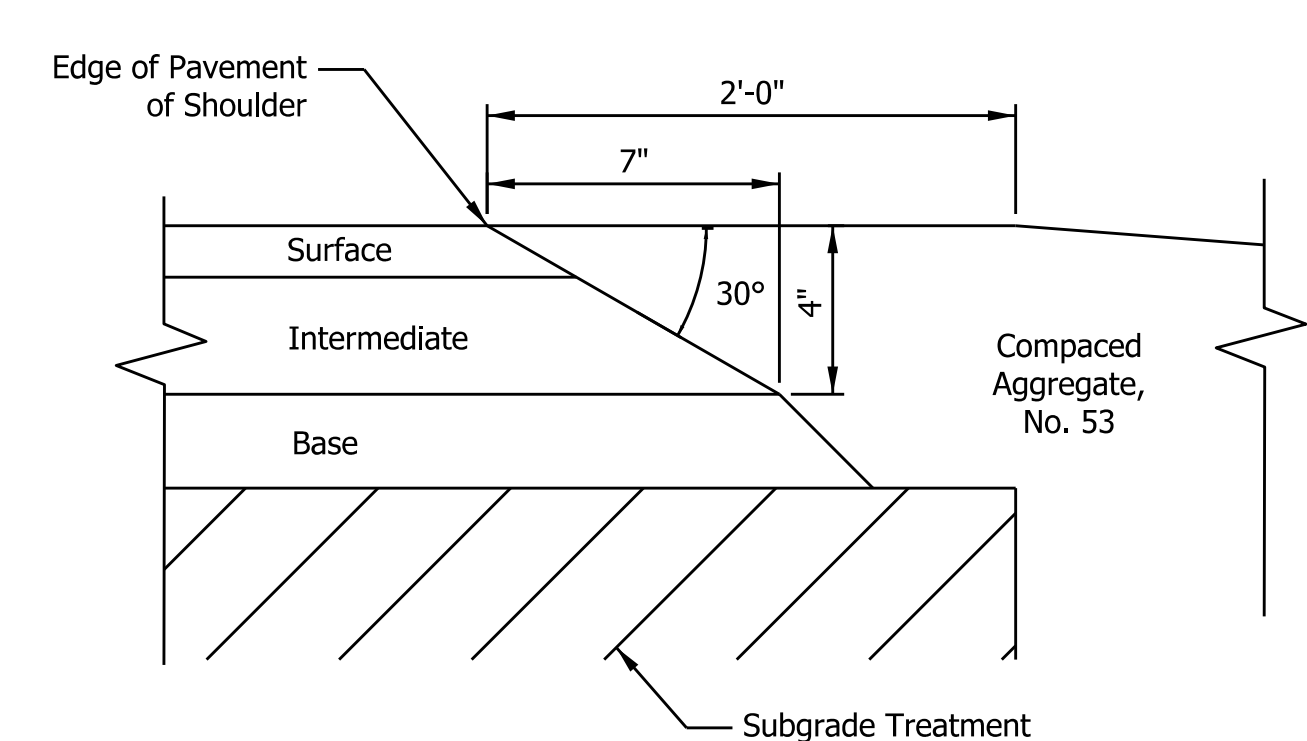
- NOTES:**
- Low-side Shoulder:**
 For SE% <= 4%, shoulder slope = 4%
 For SE% > 4%, shoulder slope = SE%
 - High-side Shoulder:**
 For SE% <= 4%, shoulder slope = 4% downward, away from traveled way
 For 4% < SE% <= 6%, shoulder slope = 2% downward, away from traveled way
 For SE% > 6%, shoulder slope = 1% towards traveled way



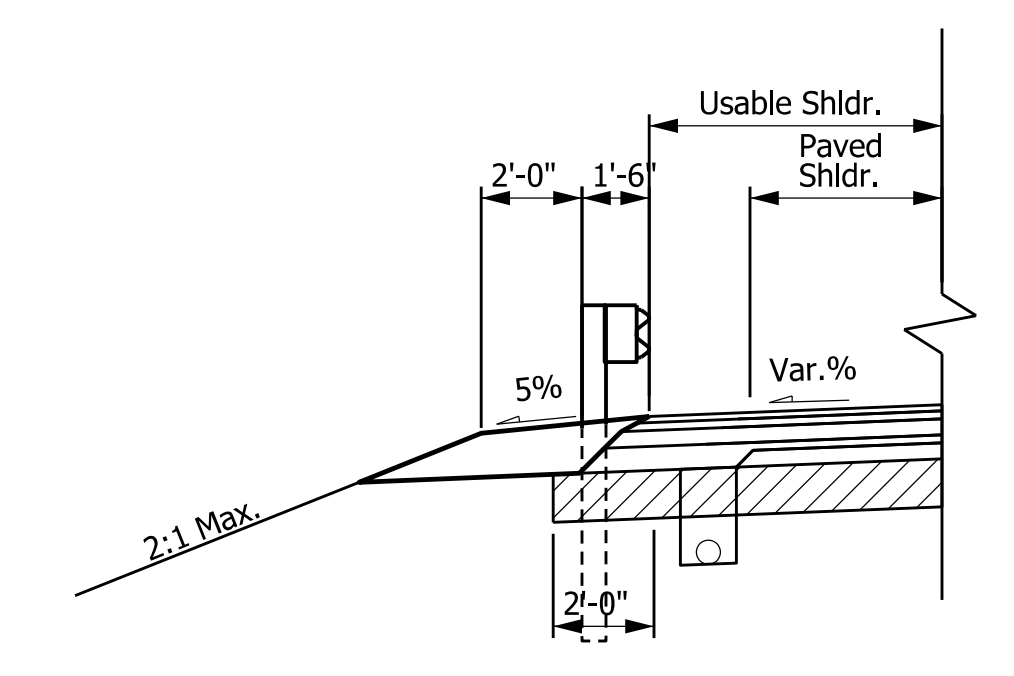
CR 1300 N EXTENSION - SUPERELEVATED
 Sta. 121+92.28 to Sta. 126+99.02 (SE% = 7.8%) Opp. Hand
 Sta. 126+99.02 to Sta. 132+08.87 (SE% = 7.8%)



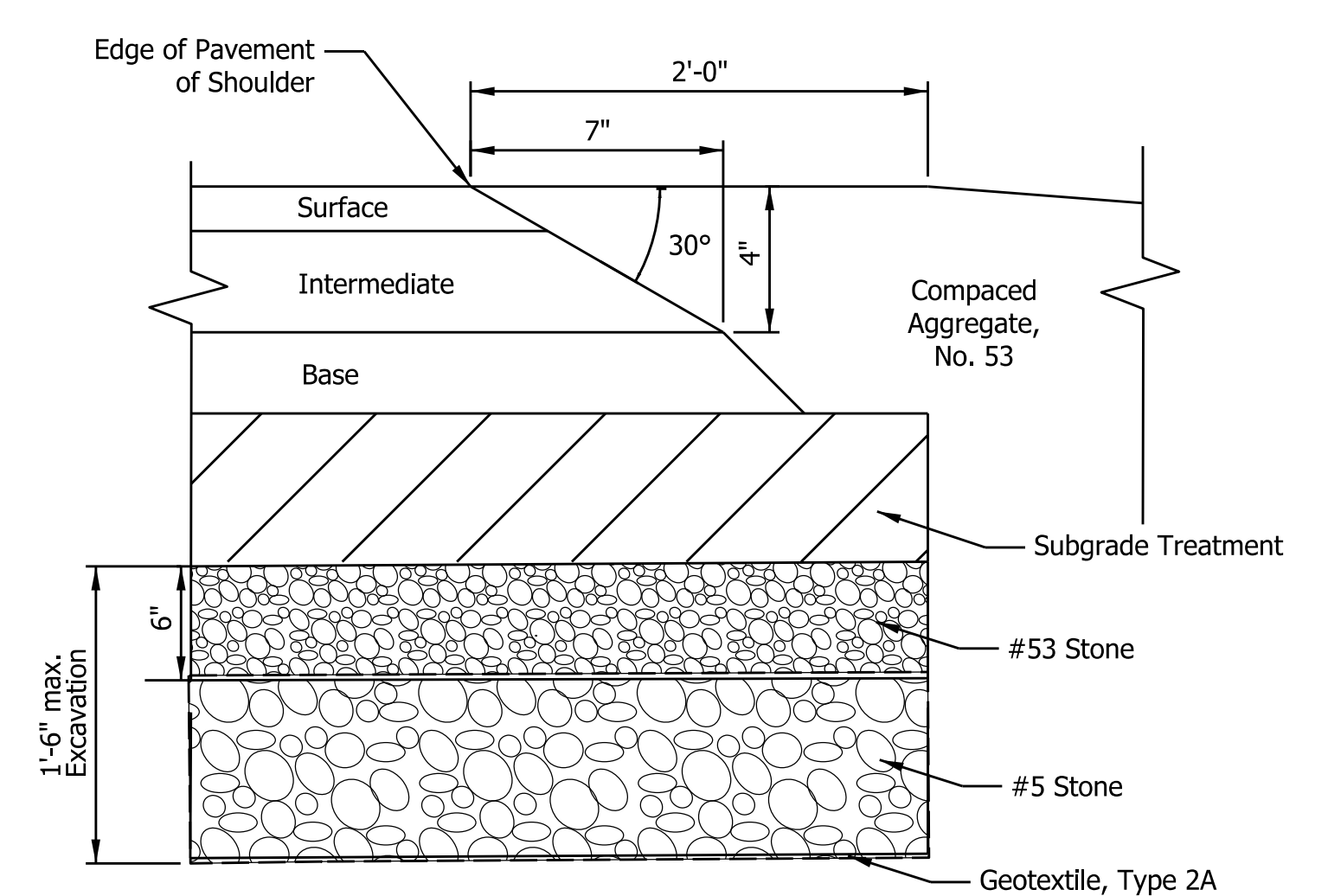
UNDERDRAIN FOR HMA PAVEMENT WITH FULL-DEPTH HMA SHOULDER
 (Figure 304-21I)



SAFETY EDGE ON HMA PAVEMENT
 (Figure 304-21X)



GUARDRAIL DETAIL - Line "PR-A"
 NOT TO SCALE



POTENTIAL PAVEMENT FOUNDATION IMPROVEMENTS

- STA. 100+50 "PR-A" TO STA. 102+50 "PR-A"
- STA. 125+00 "PR-A" TO STA. 126+50 "PR-A"
- STA. 129+50 "PR-A" TO STA. 131+00 "PR-A"
- STA. 203+50 "S-1" TO STA. 205+00 "S-1"
- STA. 212+00 "S-1" TO STA. 214+00 "S-1"

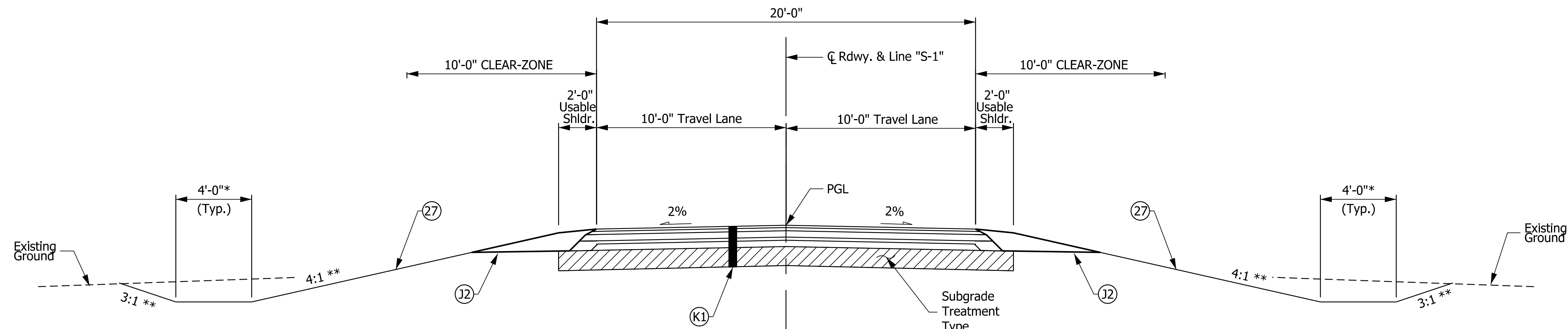
LEGEND

(K1)	165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
(27)	SEED MIXTURE, R
(J2)	COMPACTED AGGREGATE, NO.53

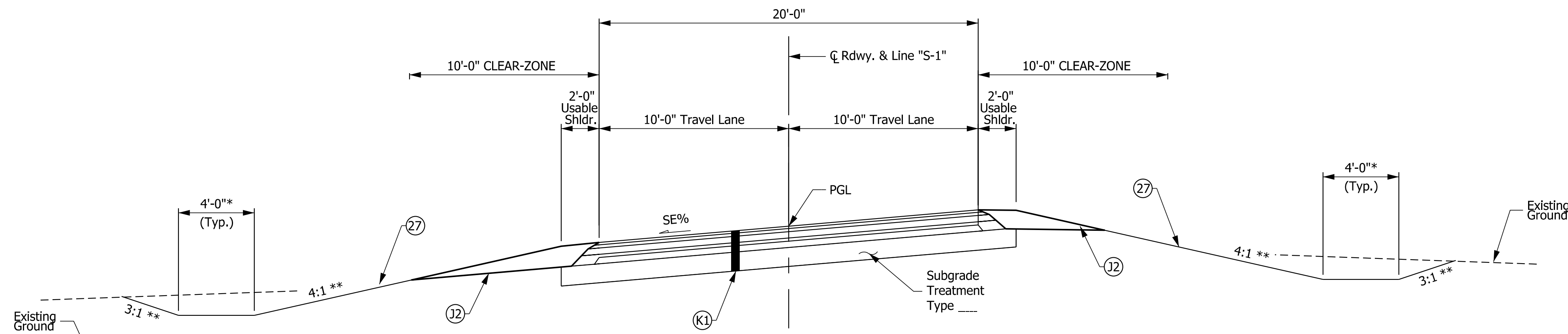
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: KSC	DRAWN: KSC	
CHECKED: XXX	CHECKED: XXX	

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS CR 1300 N EXTENSION	

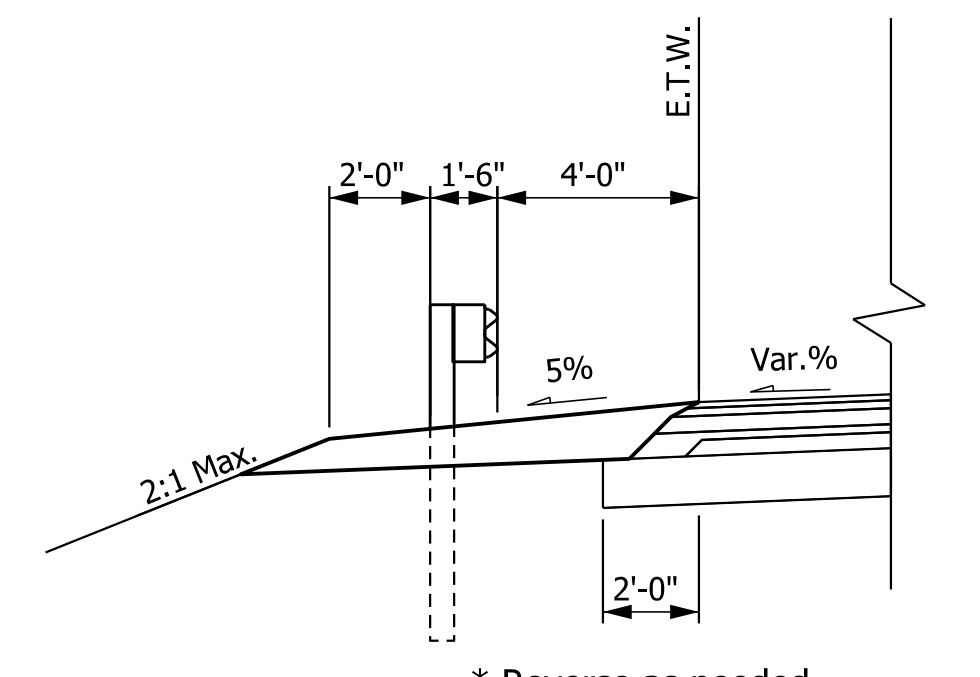
HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	
VERTICAL SCALE	DESIGNATION
N/A	1801935
SURVEY BOOK	SHEETS
	\$PAGE_NUM\$ of \$TOTAL_PAGES\$
CONTRACT	PROJECT
B-41847	1801935



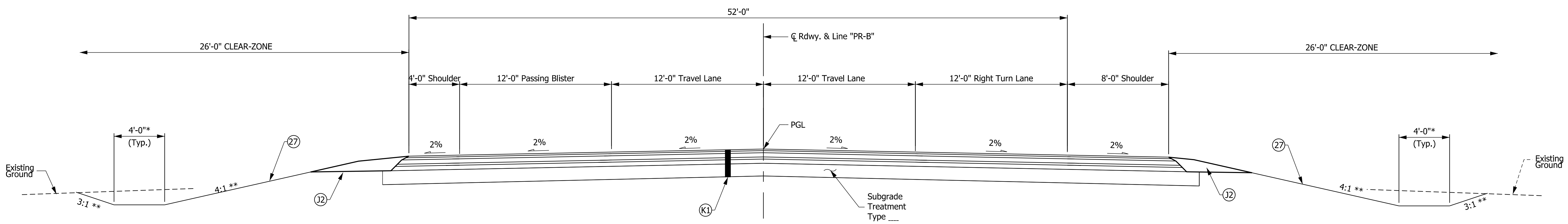
MAIN STREET - NORMAL CROWN
 No Normal Crown Section within Project Limits
 Section shown for Information Only



MAIN STREET - SUPERELEVATED
 Sta. 201+30.84 to Sta. 205+32.16 (SE% = 7.0%) Opp. Hand
 Sta. 205+32.16 to Sta. 211+01.35 (SE% = 7.0%)
 Sta. 211+01.35 to Sta. 215+00.00 (SE% = 7.0%) Opp. Hand



* Reverse as needed
GUARDRAIL DETAIL - Line "S-1"



** Except as shown on cross sections.

SR 15

LEGEND

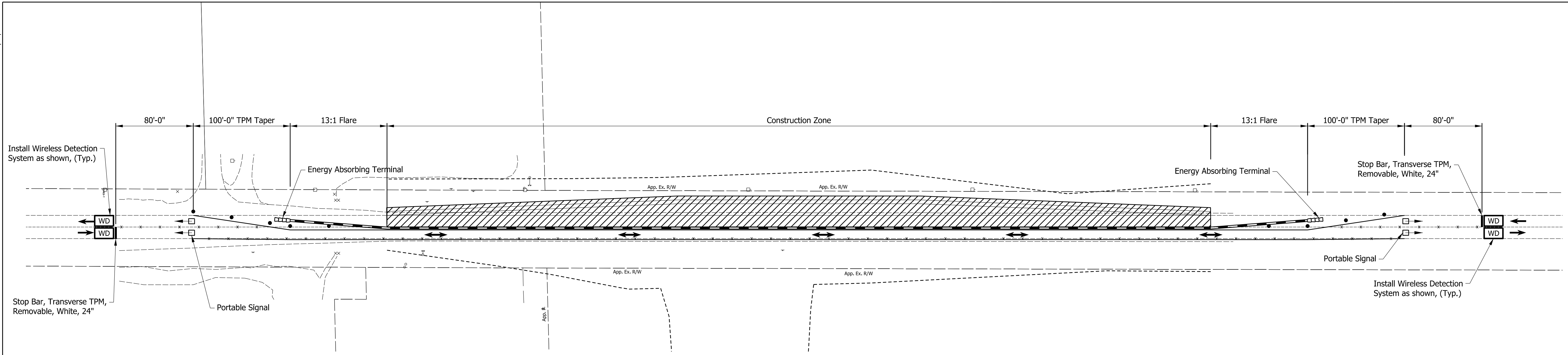
(K1)	165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
(27)	SEED MIXTURE, R
(J2)	COMPACTED AGGREGATE, NO.53

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

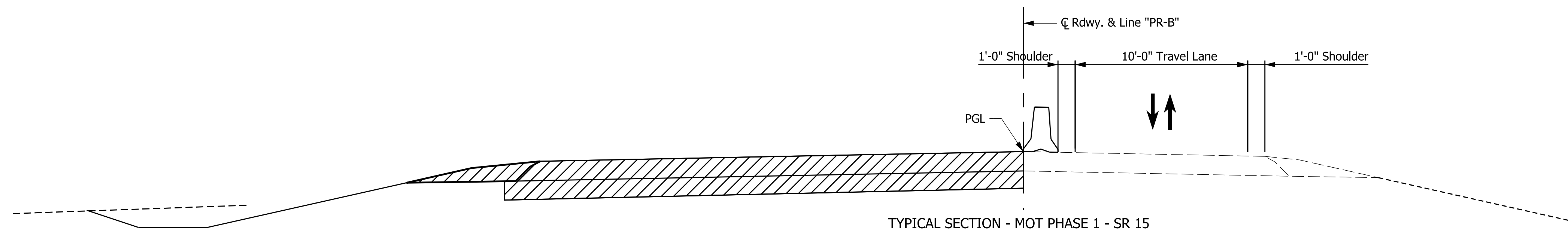
**INDIANA
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

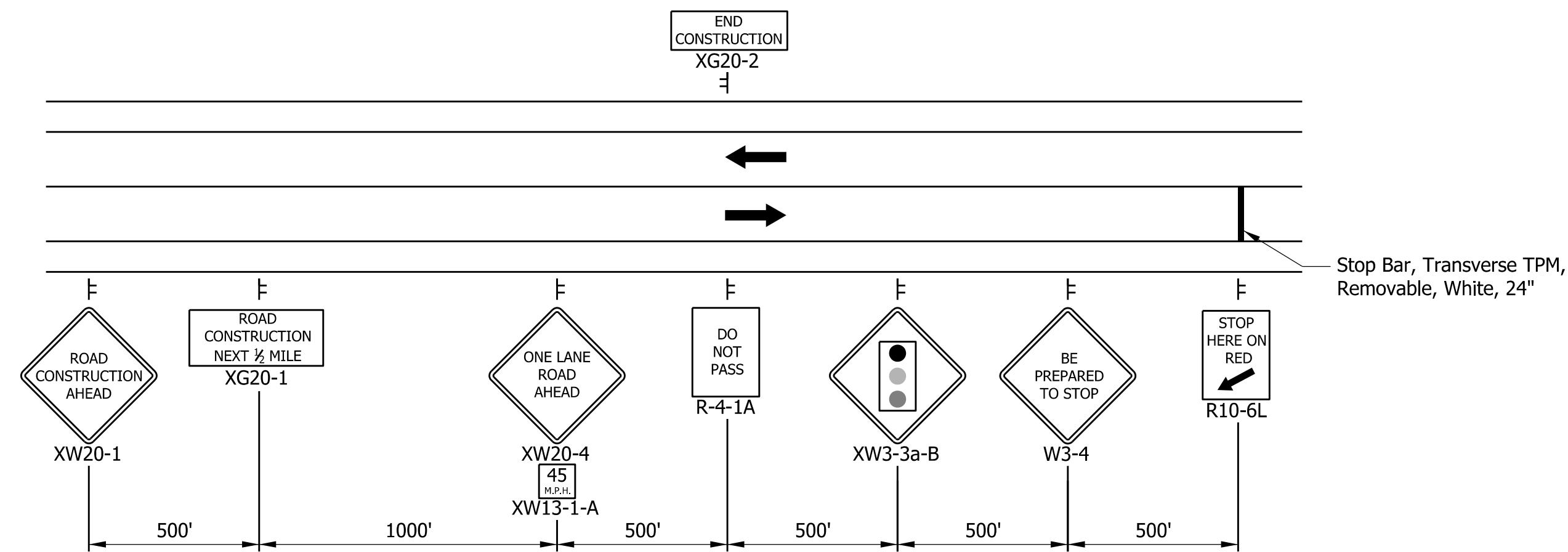
HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	4 of 64 PROJECT 1801935



PLAN - MOT PHASE 1 - SR 15



TYPICAL SECTION - MOT PHASE 1 - SR 15



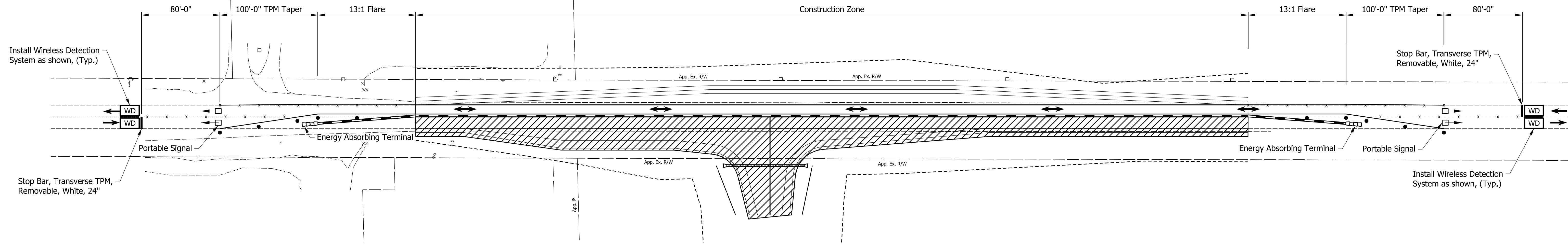
ADVANCED SIGNING (REVERSE AS NEEDED)

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MAK _____	DRAWN: _____ MAK _____	
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____	

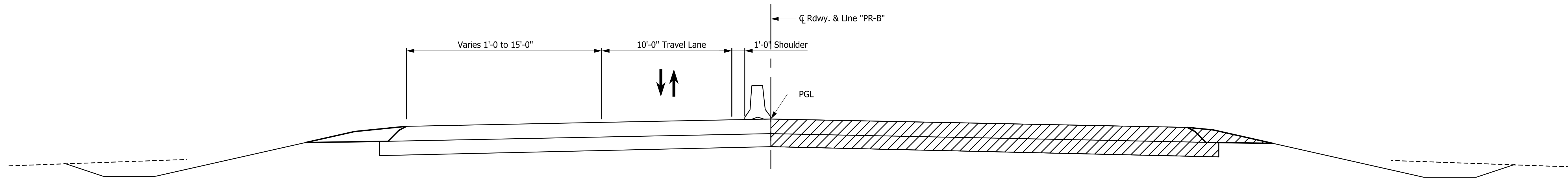
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 1
SR 15

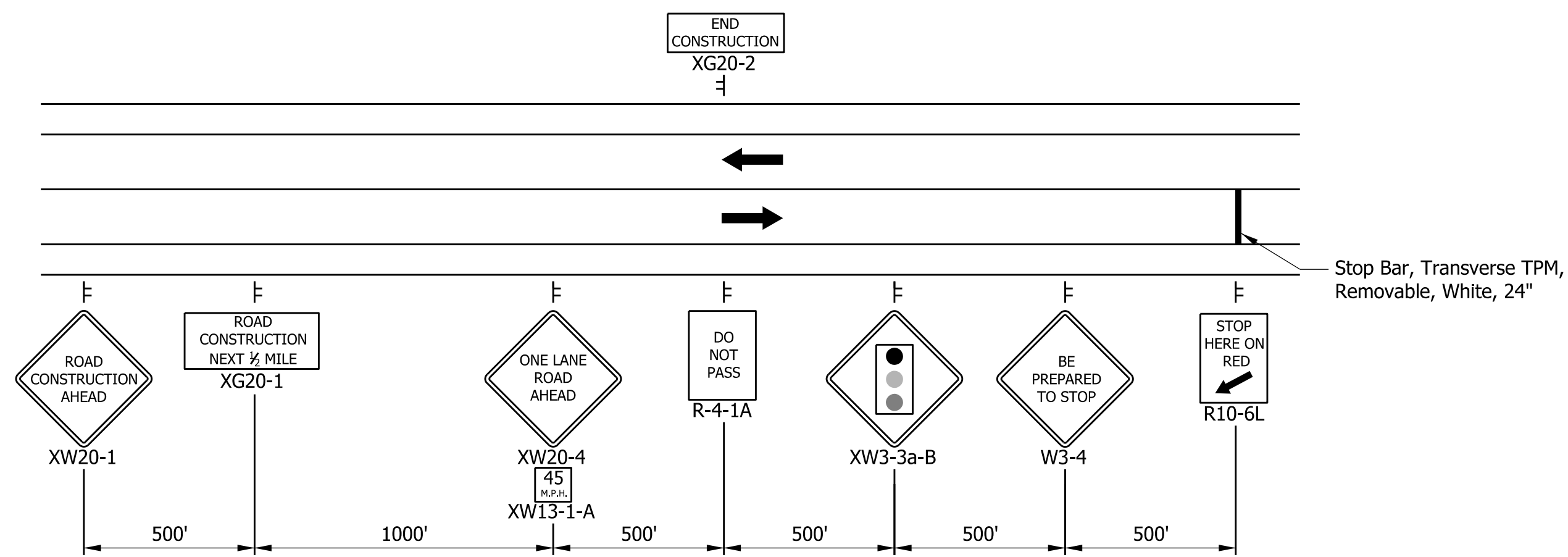
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	\$PAGE_NUM\$ of \$TOTAL_PAGES\$ PROJECT 1801935



PLAN - MOT PHASE 2 - SR 15



TYPICAL SECTION - MOT PHASE 2 - SR 15



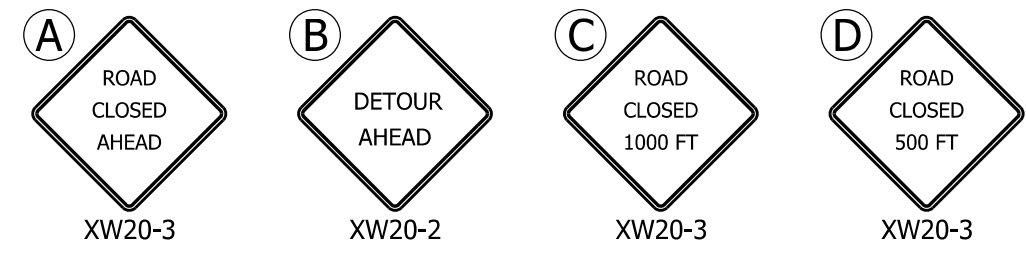
ADVANCED SIGNING (REVERSE AS NEEDED)

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MAK	DRAWN: MAK	
CHECKED: JRA	CHECKED: JRA	

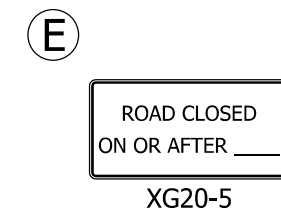
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE 2
SR 15

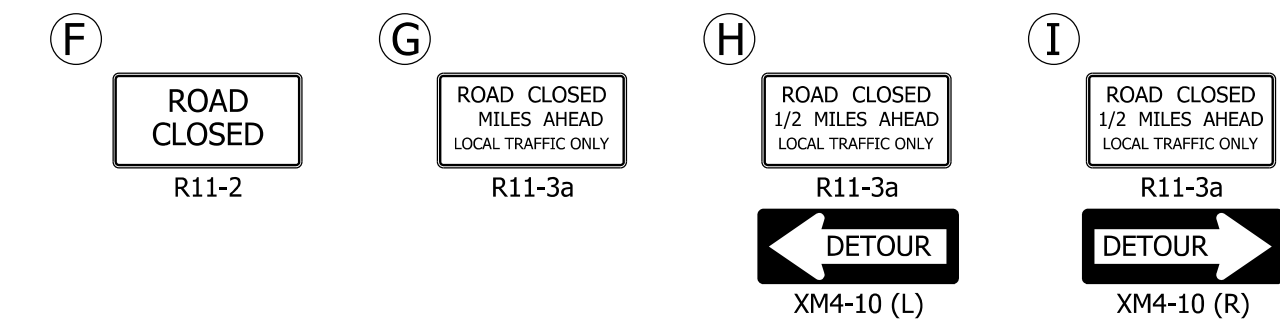
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	\$PAGE_NUM\$ of \$TOTAL_PAGES\$ PROJECT 1801935



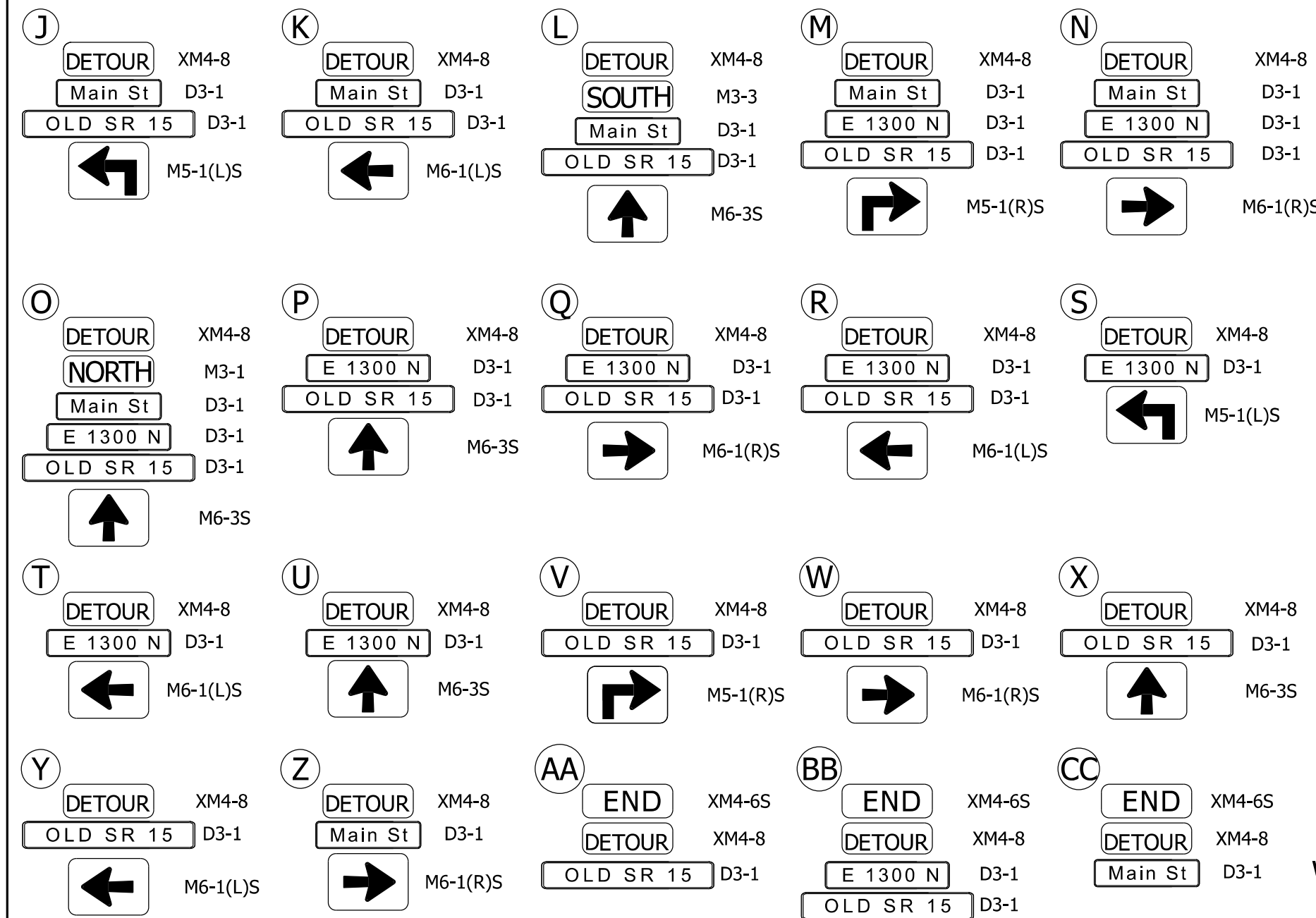
CONSTRUCTION SIGNS TYPE "A"



CONSTRUCTION SIGN TYPE "C"



ROAD CLOSURE SIGN ASSEMBLIES

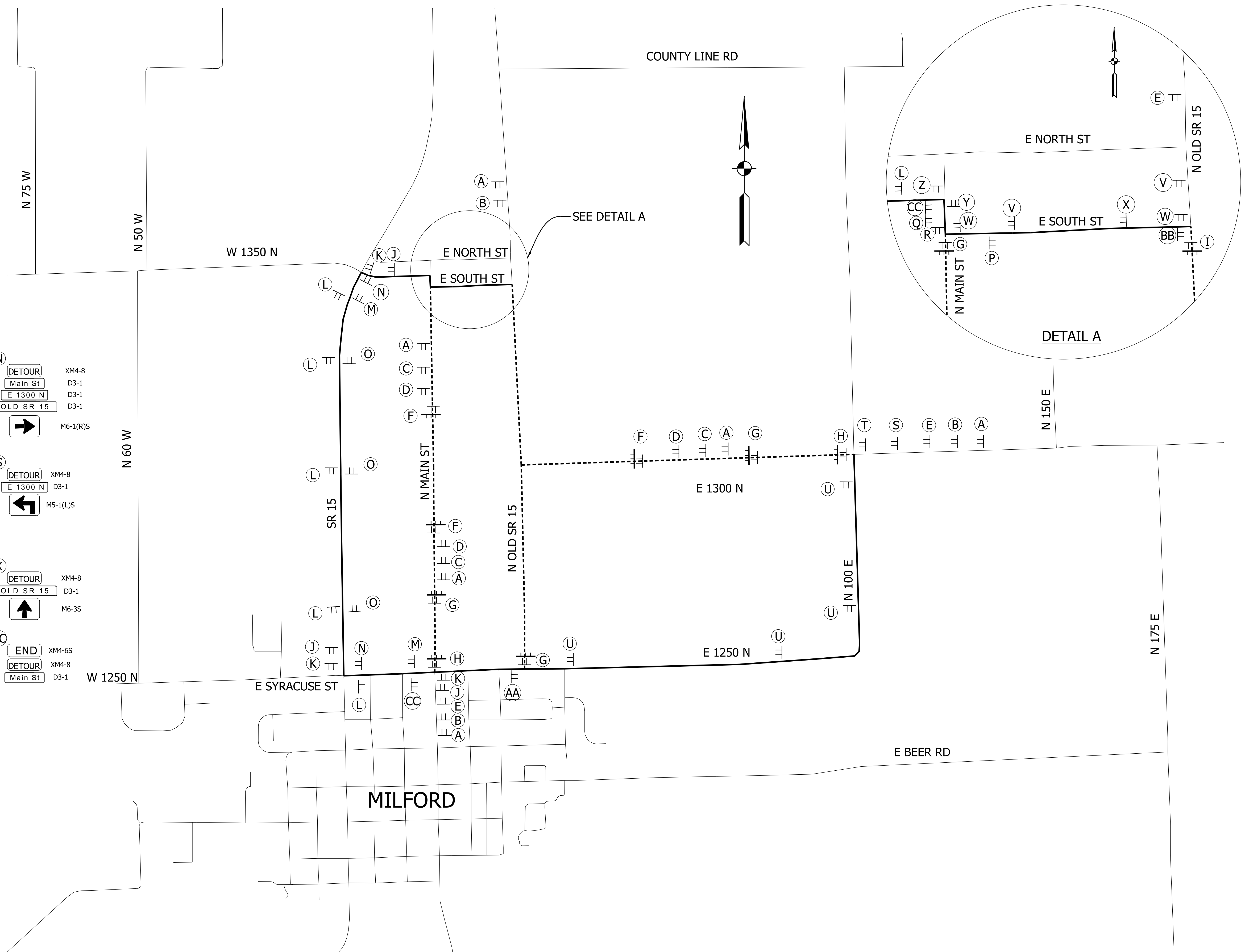


DETOUR ROUTE MARKER ASSEMBLIES

SUMMARY OF QUANTITIES		
ITEM	UNIT	1801935
DETOUR ROUTE ASSEMBLY	EACH	39
ROAD CLOSURE SIGN ASSEMBLY	EACH	10
CONSTRUCTION SIGN TYPE "A"	EACH	15
CONSTRUCTION SIGN TYPE "C"	EACH	3
BARRICADE TYPE III-B	LFT	240

LEGEND

- Road Closed
- Official Detour Route
- TTT Barricade Type III-B
- TT Construction Sign



RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MAK _____	DRAWN: _____ MAK _____	
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE

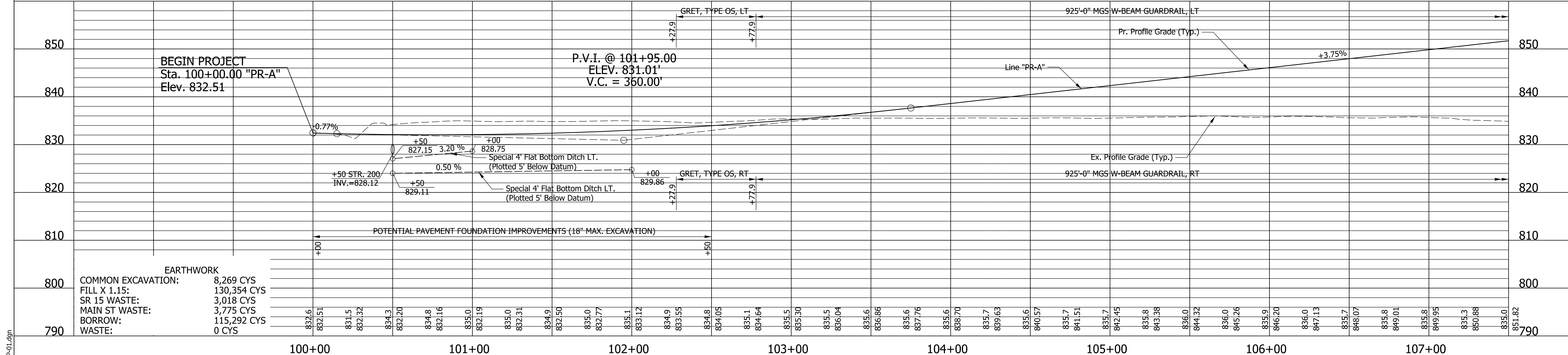
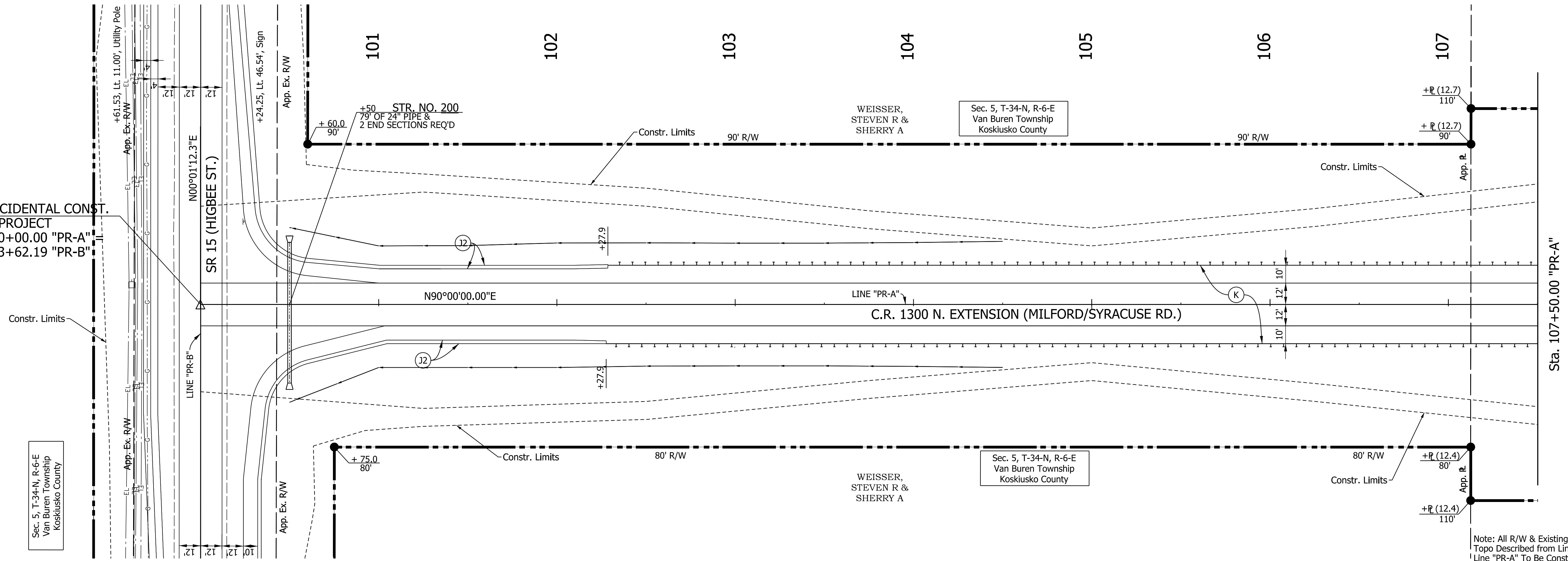
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1801935
SURVEY BOOK	SHEETS
	\$PAGE_NUM\$ of \$TOTAL_PAGES\$
CONTRACT	PROJECT
B-41847	1801935

END INCIDENTAL CONST.
BEGIN PROJECT
Sta. 100+00.00 "PR-A"
Sta. 303+62.19 "PR-B"

Sec. 5, T-34-N, R-6-E
Van Buren Township
Kosciusko County

BEGIN PROJECT
Sta. 100+00.00 "PR-A"
Elev. 832.51

Note: All R/W & Existing
Topo Described from Line "PR-A"
Line "PR-A" To Be Constructed



EARTHWORK

COMMON EXCAVATION:	8,269 CYS
FILL X 1.15:	130,354 CYS
SR 15 WASTE:	3,018 CYS
MAIN ST WASTE:	3,775 CYS
BORROW:	115,292 CYS
WASTE:	0 CYS

- LEGEND**
- (K1) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON
 - 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON
 - 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON
 - SUBGRADE TREATMENT, TYPE 1B
 - (Z7) SEED MIXTURE, R
 - (Z2) COMPACTED AGGREGATE, NO.53

RECOMMENDED FOR APPROVAL _____

DESIGN ENGINEER _____ DATE _____

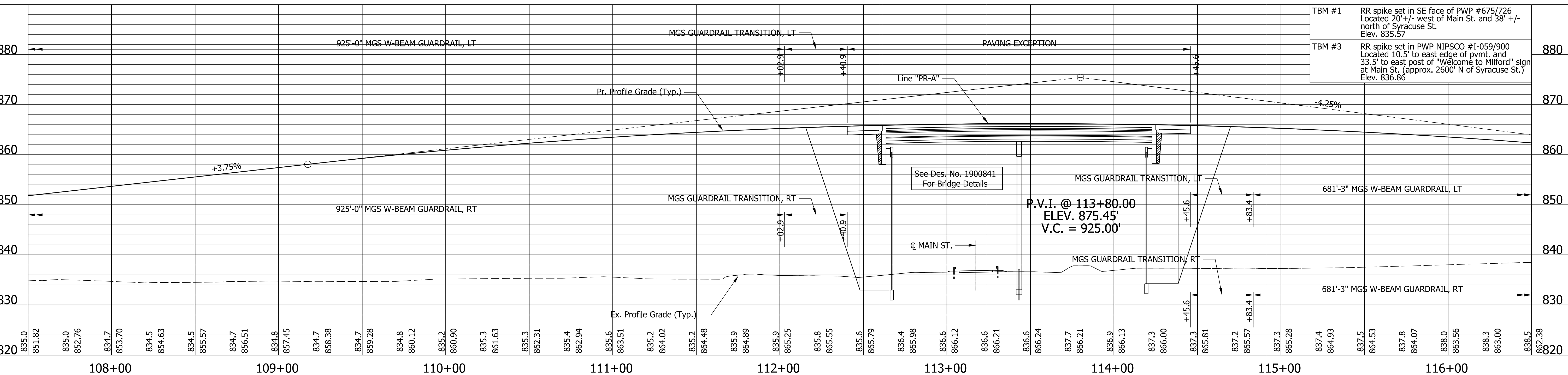
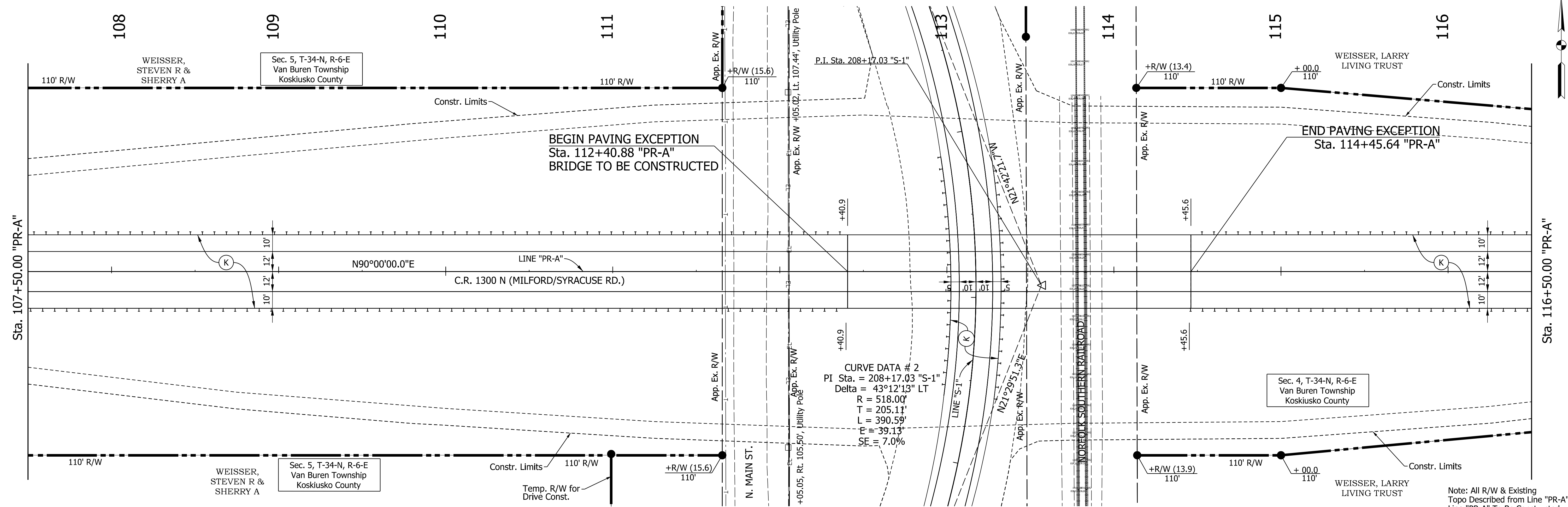
DESIGNED: KSC DRAWN: KSC

CHECKED: JRA CHECKED: JRA

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 100+00.00 "PR-A" TO STA. 107+50.00 "PR-A"

HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	9 of 64 PROJECT 1801935



TBM #1 RR spike set in SE face of PWP #675/726 Located 20' +/- west of Main St. and 38' +/- north of Syracuse St. Elev. 835.57

TBM #3 RR spike set in PWP NIPSCO #I-059/900 Located 10.5' to east edge of pvmt, and 33.5' to east post of "Welcome to Milford" sign at Main St. (approx. 2600' N of Syracuse St.) Elev. 836.86

- LEGEND**
- (K) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON
 - 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON
 - 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON
 - SUBGRADE TREATMENT, TYPE 1B
 - (27) SEED MIXTURE, R
 - (22) COMPACTED AGGREGATE, NO.53

RECOMMENDED FOR APPROVAL _____

DESIGN ENGINEER _____ DATE _____

DESIGNED: KSC DRAWN: KSC

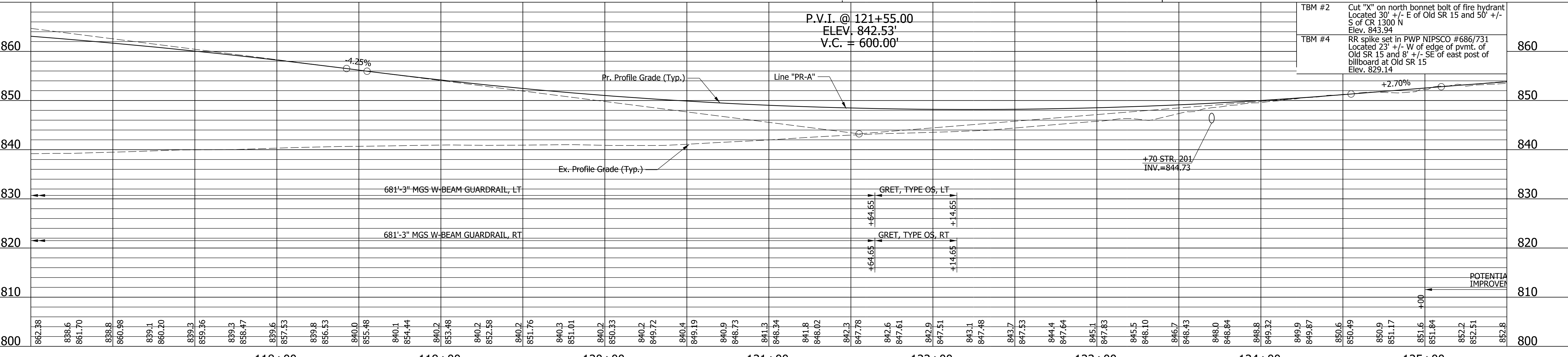
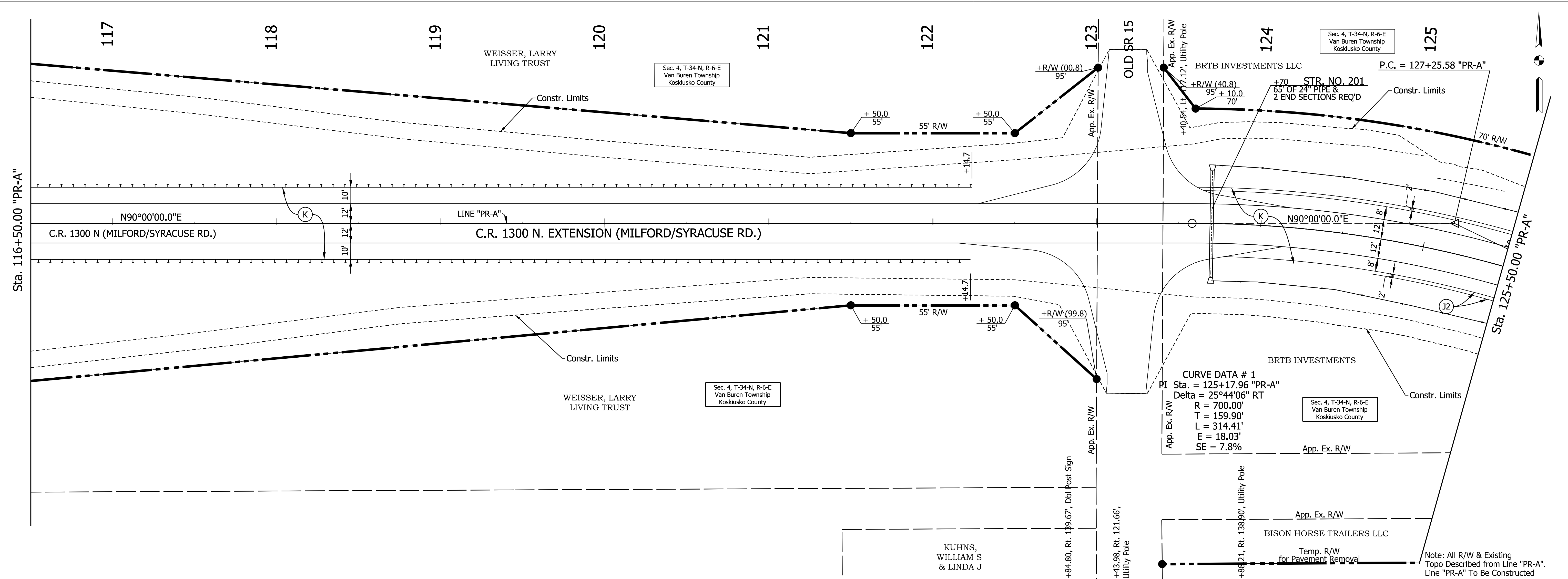
CHECKED: JRA CHECKED: JRA

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 107+50.00 "PR-A" TO STA. 116+50.00 "PR-A"

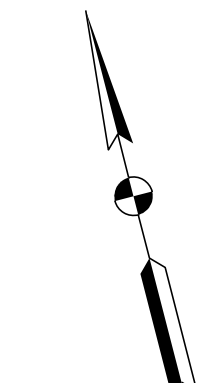
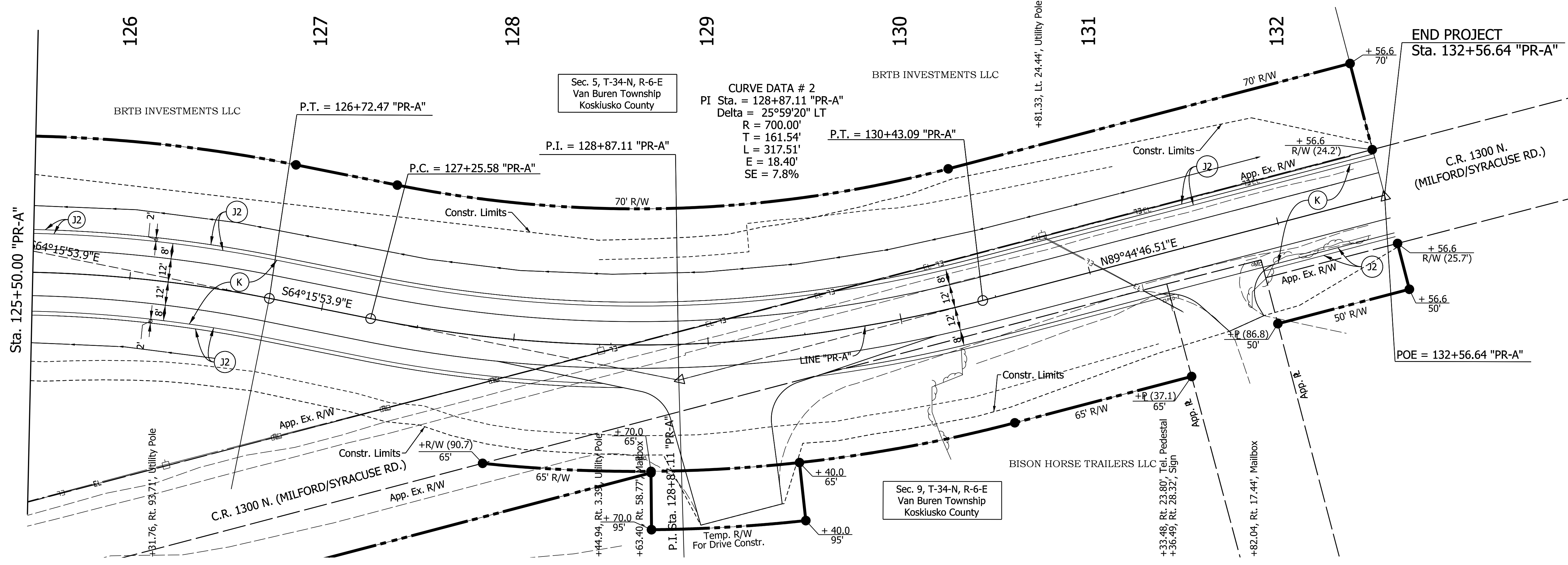
HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	10 of 64 PROJECT 1801935

2/18/2021

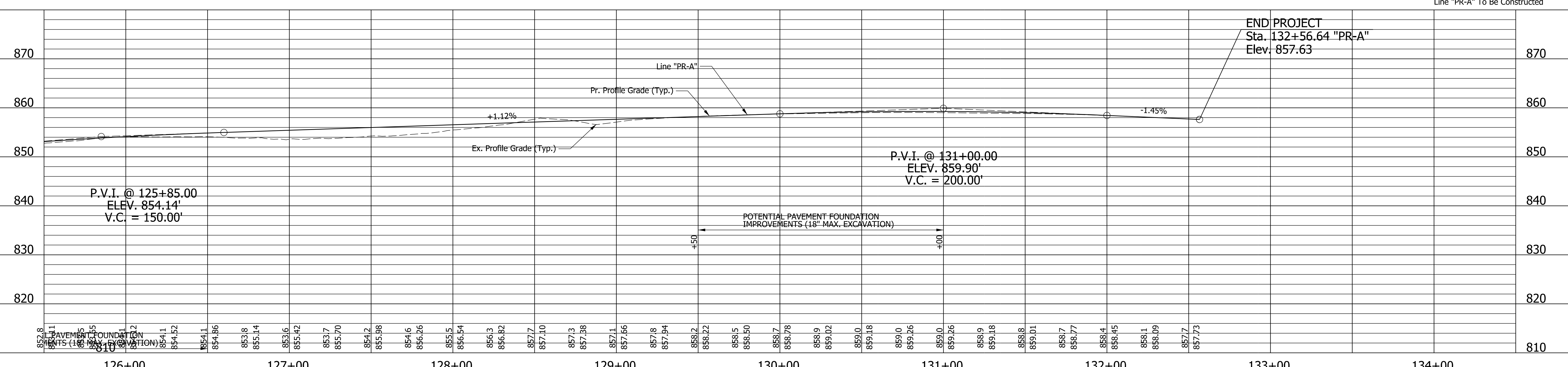


TBM #2	Cut "X" on north bonnet bolt of fire hydrant Located 30' +/- E of Old SR 15 and 50' +/- S of CR 1300 N Elev. 843.94
TBM #4	RR spike set in PWP NIPSCO #686/731 Located 23' +/- W of edge of pvmt. of Old SR 15 and 8' +/- SE of east post of billboard at Old SR 15 Elev. 829.14

Note: All R/W & Existing Topo Described from Line "PR-A". Line "PR-A" To Be Constructed



Note: All R/W & Existing Topo Described from Line "PR-A". Line "PR-A" To Be Constructed



c:\tempbakr\p\w\dms02633\pp-04.dgn

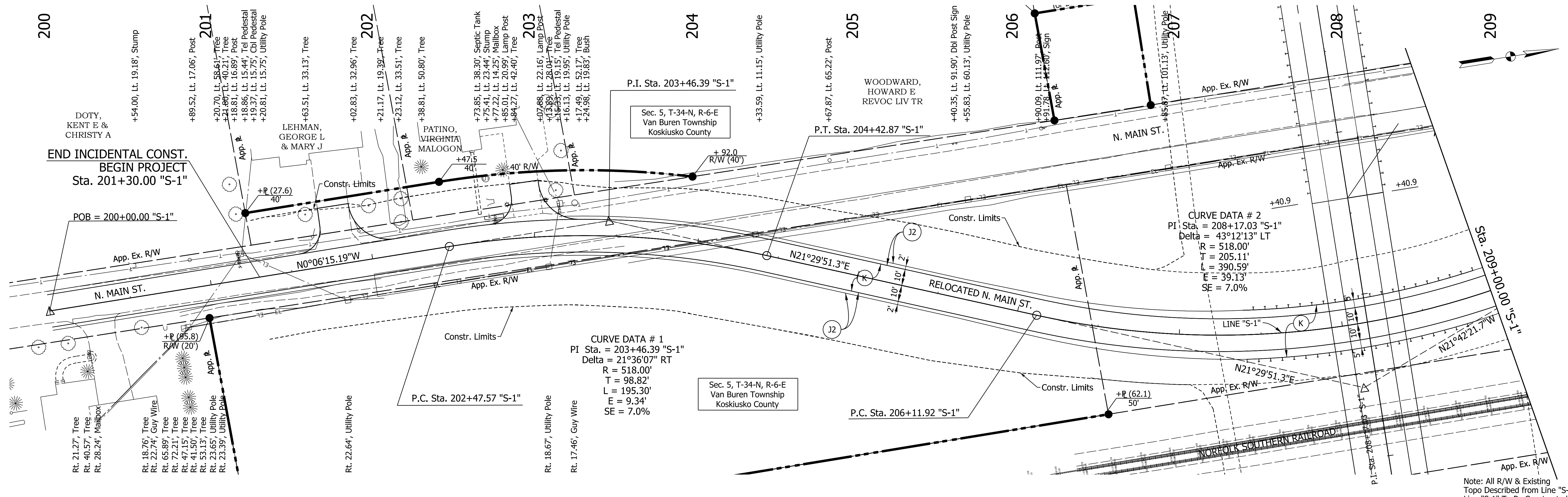
- LEGEND**
- (K1) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
 - (27) SEED MIXTURE, R
 - (22) COMPACTED AGGREGATE, NO.53

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

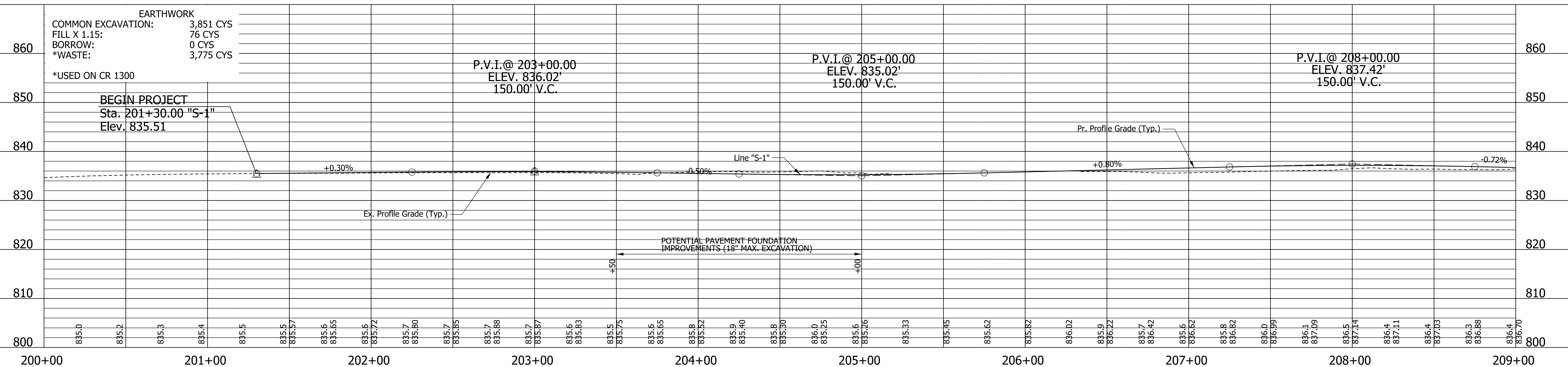
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 125+50.00 "PR-A" TO STA. 132+56.64 "PR-A"

HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	12 of 64 PROJECT 1801935



Note: All R/W & Existing Topo Described from Line "S-1" Line "S-1" To Be Constructed



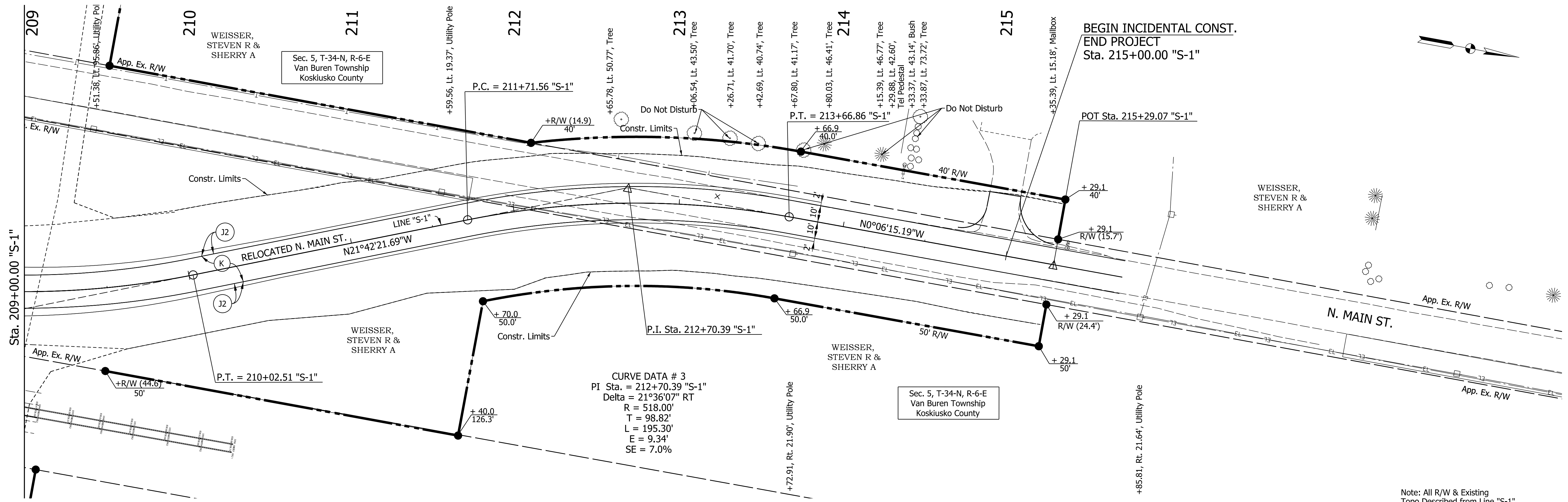
- LEGEND**
- (K1) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
 - (Z) SEED MIXTURE, R
 - (Z) COMPACTED AGGREGATE, NO.53

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

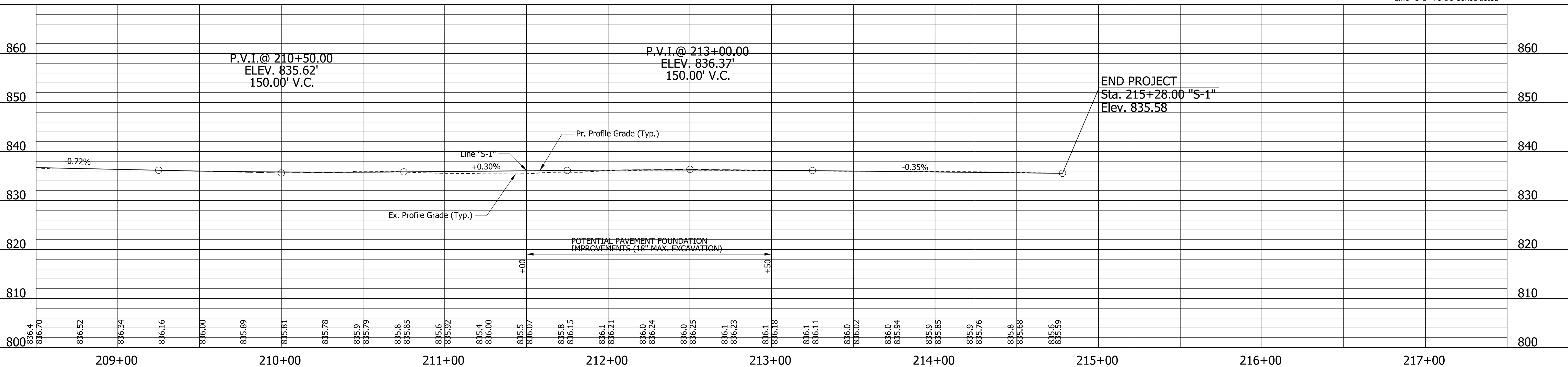
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 200+00.00 "S-1" TO STA. 209+00.00 "S-1"

HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS 13 of 64
CONTRACT B-41847	PROJECT 1801935



Note: All R/W & Existing Topo Described from Line "S-1" Line "S-1" To Be Constructed



- LEGEND**
- (K1) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON
275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON
660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON
SUBGRADE TREATMENT, TYPE 1B
 - (27) SEED MIXTURE, R
 - (22) COMPACTED AGGREGATE, NO.53

RECOMMENDED FOR APPROVAL _____

DESIGN ENGINEER _____ DATE _____

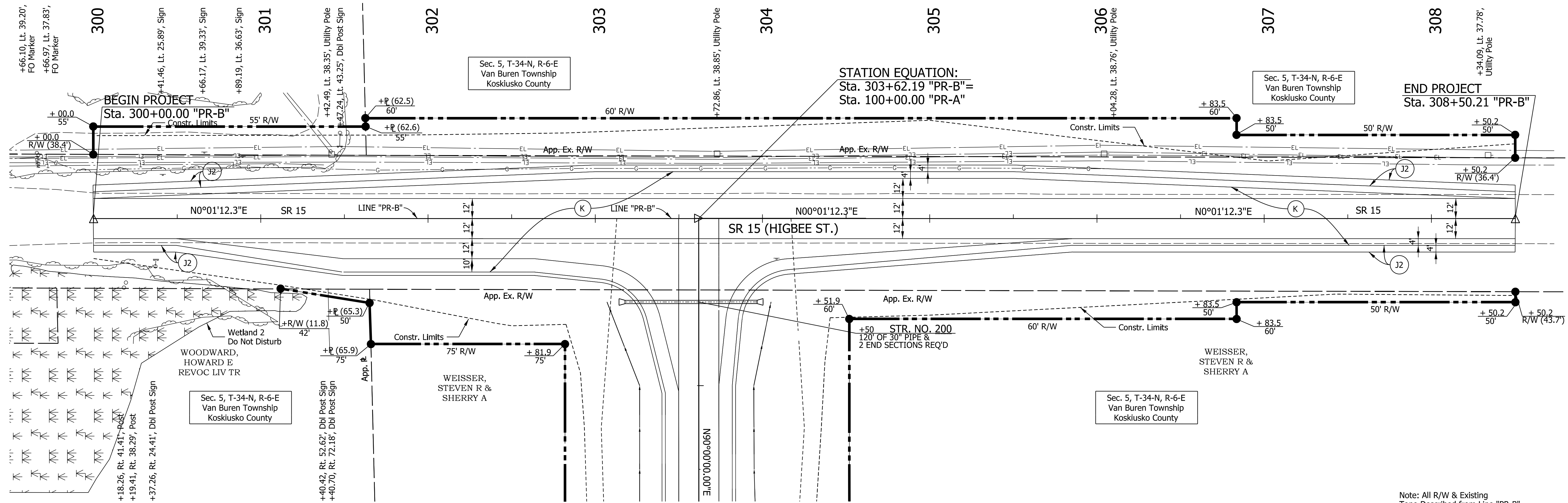
DESIGNED: KSC DRAWN: KSC

CHECKED: JRA CHECKED: JRA

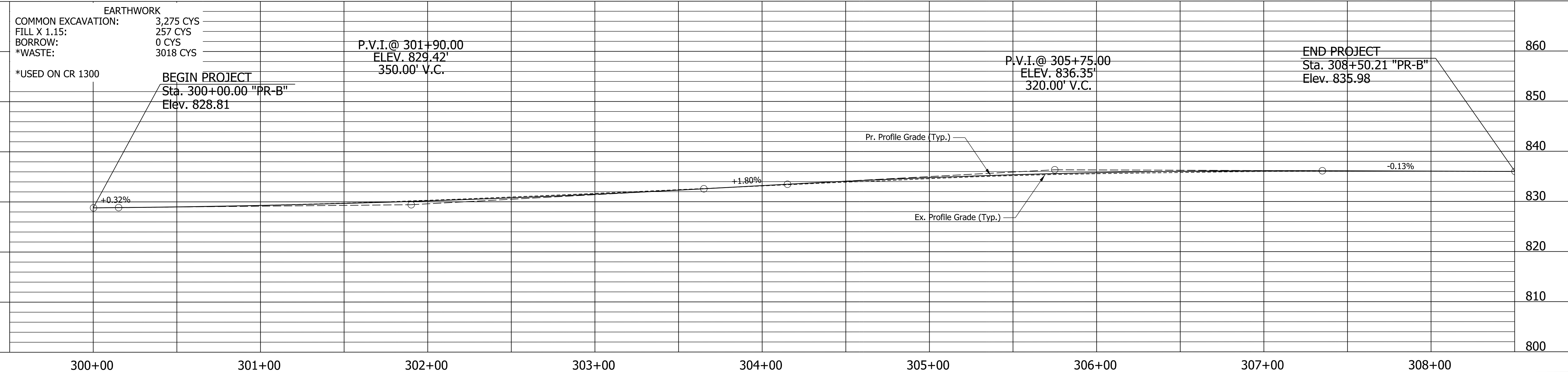
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
STA. 209+00.00 "S-1" TO STA. 215+29.07 "S-1"**

HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	14 of 64 PROJECT 1801935



Note: All R/W & Existing Topo Described from Line "PR-B" Line "PR-B" To Be Constructed



LEGEND

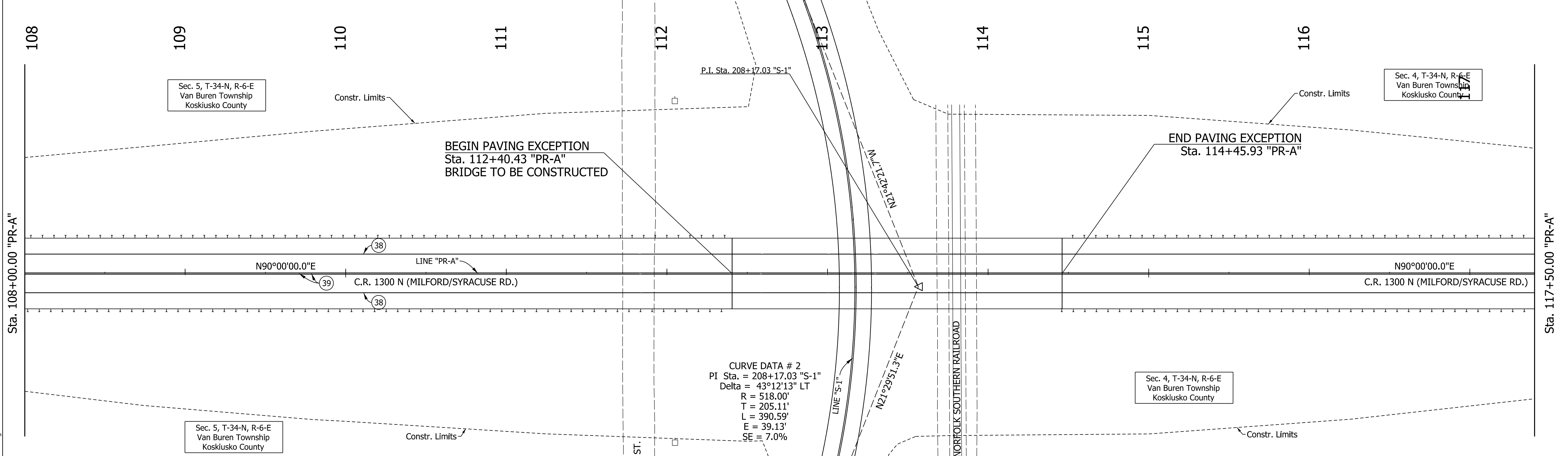
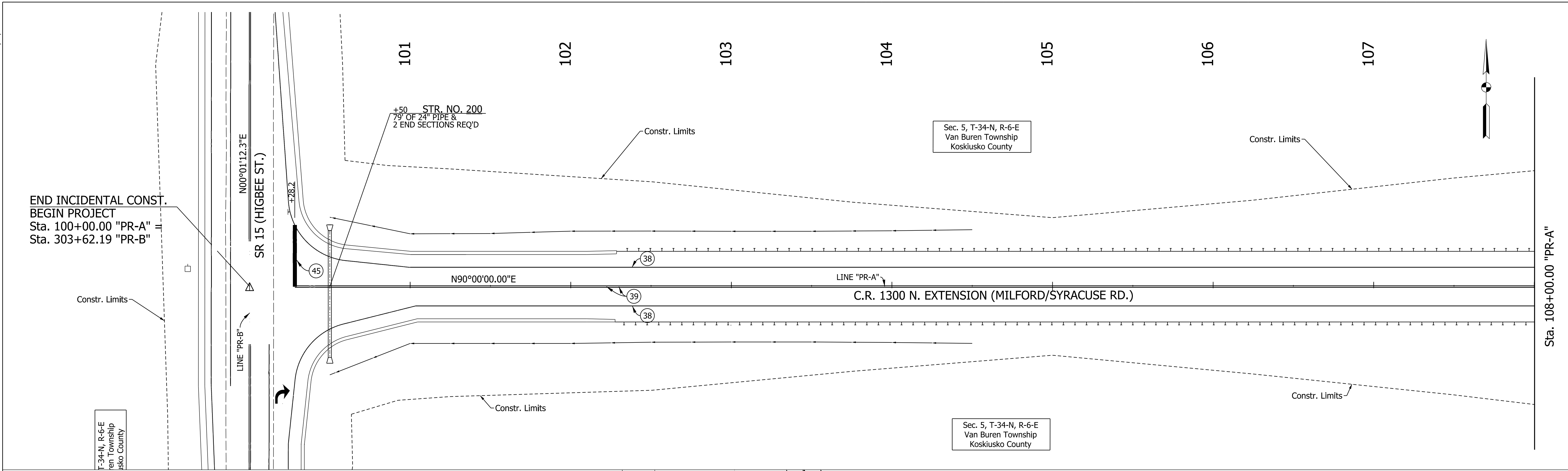
- (K1) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
- (27) SEED MIXTURE, R
- (22) COMPACTED AGGREGATE, NO.53

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 300+00.00 "PR-B" TO STA. 308+50.21 "PR-B"

HORIZONTAL SCALE 1"=30'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	15 of 64 PROJECT 1801935



LEGEND

- (38) 4 IN., SOLID, WHITE, MULTI-COMPONENT LINE
- (39) 4 IN., SOLID YELLOW, MULTI-COMPONENT LINE
- (45) 24 IN. WHITE STOP LINE, MULTI-COMPONENT

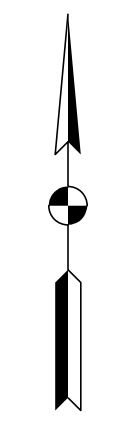
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MAK	DRAWN: MAK	
CHECKED: JRA	CHECKED: JRA	

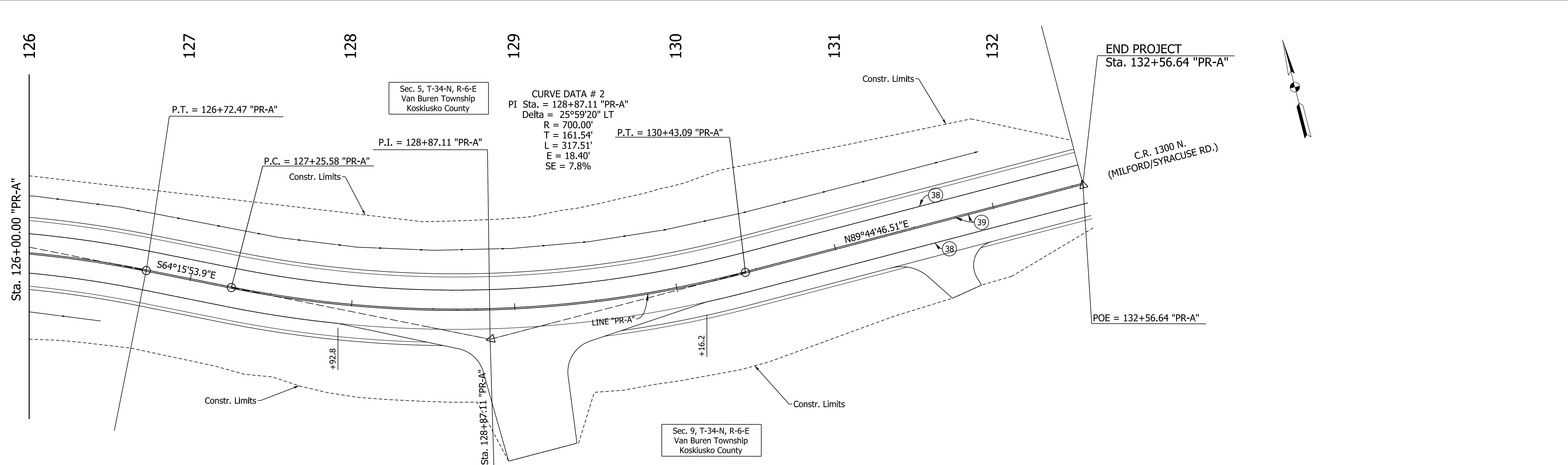
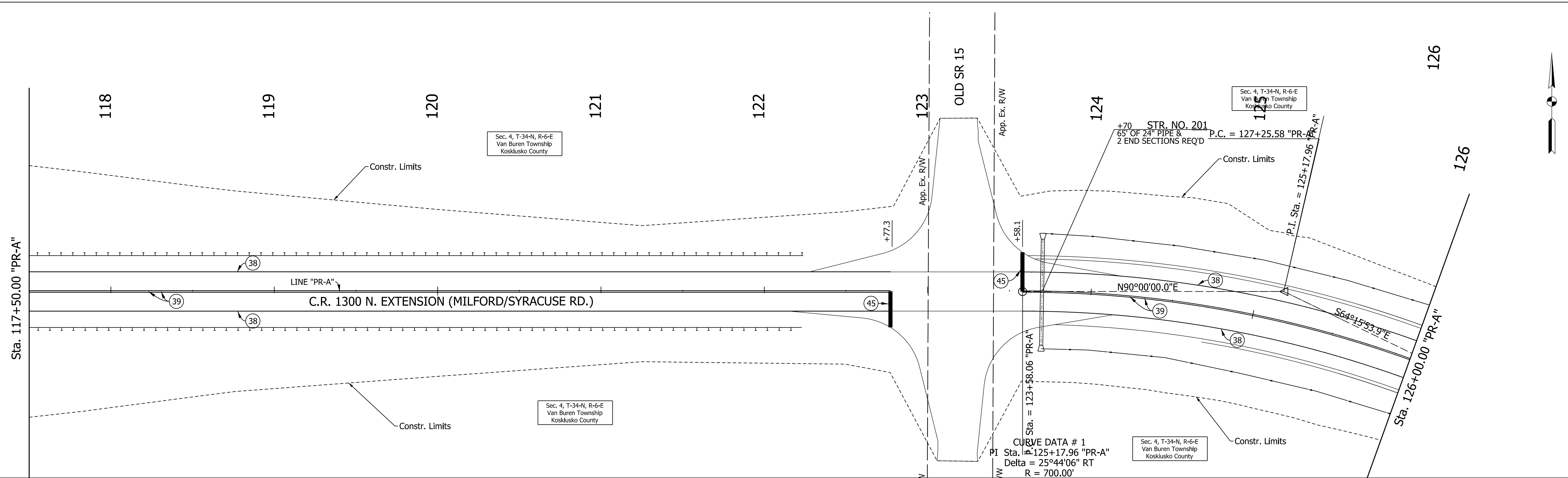
INDIANA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
CR 1300
STA. 100+00.00 "PR-A" TO STA. 117+50.00 "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
N/A	1801935
SURVEY BOOK	SHEETS
	26 of 64
CONTRACT	PROJECT
B-41847	1801935

CURVE DATA # 2
 P.I. Sta. = 208+17.03 "S-1"
 Delta = 43°12'13" LT
 R = 518.00'
 T = 205.11'
 L = 390.59'
 E = 39.13'
 SE = 7.0%





LEGEND

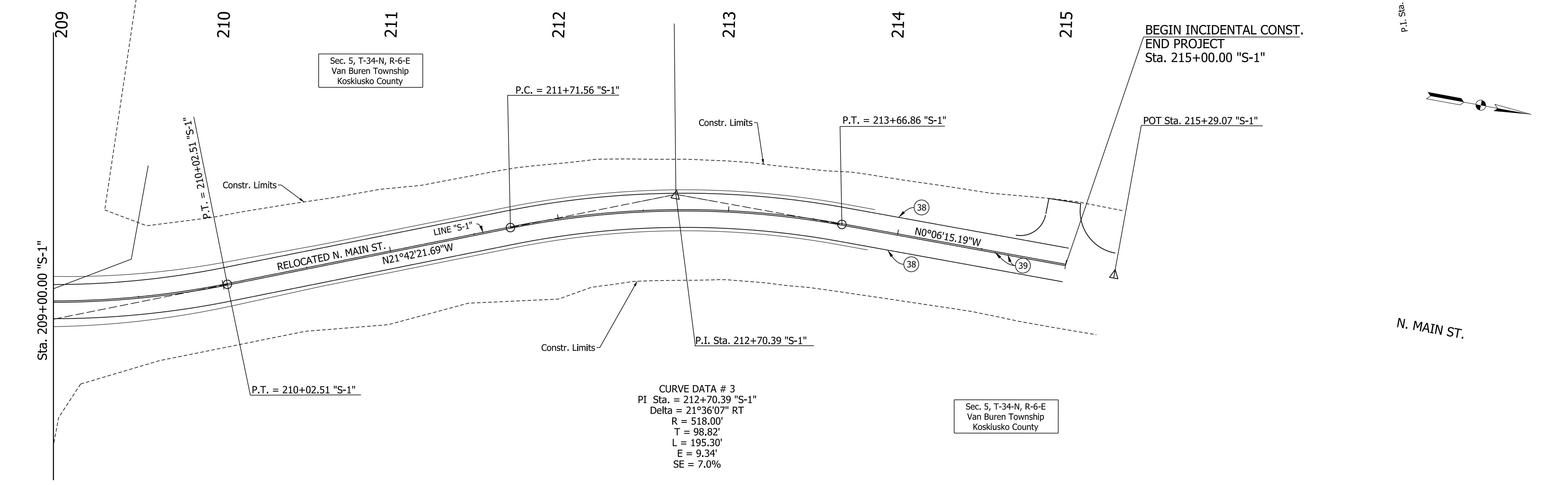
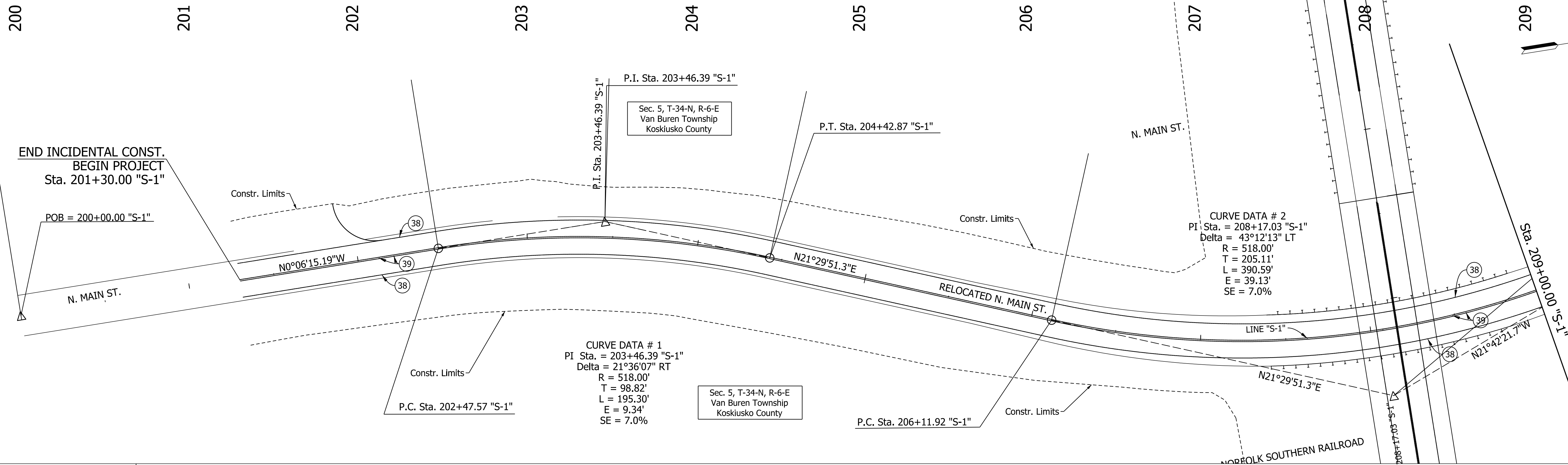
Ⓢ	4 IN., SOLID, WHITE, MULTI-COMPONENT LINE
Ⓣ	4 IN., SOLID YELLOW, MULTI-COMPONENT LINE
Ⓤ	24 IN. WHITE STOP LINE, MULTI-COMPONENT

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MAK _____	DRAWN: _____ MAK _____	
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS
CR 1300
STA. 117+50.00 "PR-A" TO STA. 132+56.64 "PR-A"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	27 of 64 PROJECT 1801935



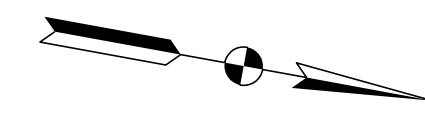
- LEGEND**
- ⊗ 4 IN., SOLID, WHITE, MULTI-COMPONENT LINE
 - ⊙ 4 IN., SOLID YELLOW, MULTI-COMPONENT LINE
 - ⊕ 24 IN. WHITE STOP LINE, MULTI-COMPONENT

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MAK _____	DRAWN: _____ MAK _____	
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS
MAIN STREET
STA. 200.00 "S-1" TO STA. 215+00.00 "S-1"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	28 of 64 PROJECT 1801935



300 301 302 303 304 305 306 307 308

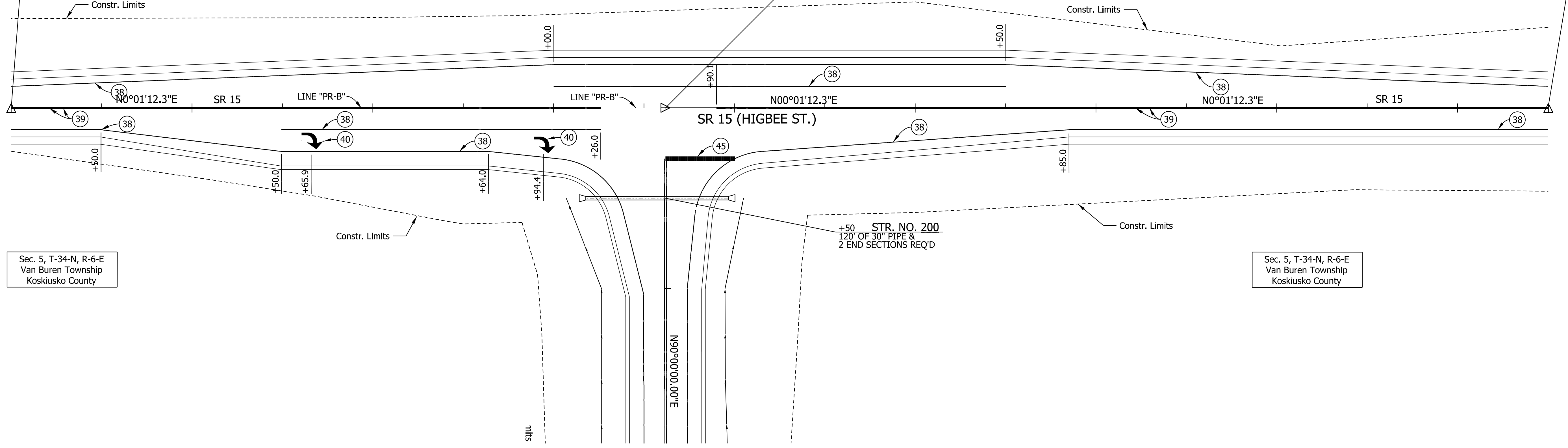
Sec. 5, T-34-N, R-6-E
Van Buren Township
Kosciusko County

Sec. 5, T-34-N, R-6-E
Van Buren Township
Kosciusko County

BEGIN PROJECT
Sta. 300+00.00 "PR-B"
Constr. Limits

STATION EQUATION:
Sta. 303+62.19 "PR-B" =
Sta. 100+00.00 "PR-A"

END PROJECT
Sta. 308+50.21 "PR-B"



Sec. 5, T-34-N, R-6-E
Van Buren Township
Kosciusko County

Sec. 5, T-34-N, R-6-E
Van Buren Township
Kosciusko County

LEGEND

- (38) 4 IN., SOLID, WHITE, MULTI-COMPONENT LINE
- (39) 4 IN., SOLID YELLOW, MULTI-COMPONENT LINE
- (40) LANE INDICATION ARROW, MULTI-COMPONENT, PAVEMENT MESSAGE MARKING
- (45) 24 IN. WHITE STOP LINE, MULTI-COMPONENT

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: _____ MAK _____	DRAWN: _____ MAK _____		
CHECKED: _____ JRA _____	CHECKED: _____ JRA _____		

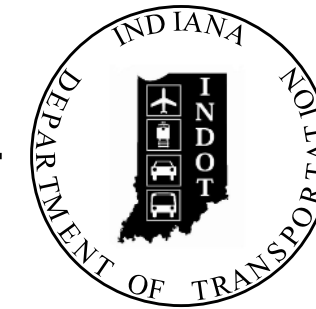
INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
SR 15
STA. 300+00.00 "PR-B" TO STA. 308+50.21 "PR-B"

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1801935
SURVEY BOOK	SHEETS
CONTRACT B-41847	29 of 64 PROJECT 1801935

PROJECT	DESIGNATION
1900841	1900841
CONTRACT	BRIDGE FILE
B-41847	XX-XX-XXXX

INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
XX-XX-XXXX	PRESTRESSED CONC. BULB-TEE BEAM	2 SPANS @ 81'-0" NO SKEW	NORFOLK SOUTHERN RAILROAD & MAIN STREET	113+43.26 "PR-A"

KIN PROJECT INFORMATION	
DESIGNATION	
1801935	CR 1300 N EXTENSION BETWEEN OLD SR 15 AND SR 15

TRAFFIC DATA		C.R. 1300 N.	
A.A.D.T. (2020)	2,650	V.P.D.	
A.A.D.T. (2040)	4,000	V.P.D.	
D.H.V. (2040)	2603	V.P.H.	
DIRECTIONAL DISTRIBUTION	50 %		
TRUCKS	10 %	A.A.D.T.	
	18 %	D.H.V.	
DESIGN DATA			
DESIGN SPEED	45	M.P.H.	
PROJECT DESIGN CRITERIA	4R NEW CONSTRUCTION		
FUNCTIONAL CLASSIFICATION	MAJOR LOCAL COLLECTOR		
RURAL/URBAN	RURAL		
TERRAIN	LEVEL		
ACCESS CONTROL	NONE		

BRIDGE PLANS

FOR SPANS OVER 20 FEET
KOSCIUSKO COUNTY ROAD 1300N EXTENSION
OVER
NORFOLK SOUTHERN RAILROAD AND MAIN STREET

PROJECT NO. 1900841 P.E.
R/W
1900841 CONST.

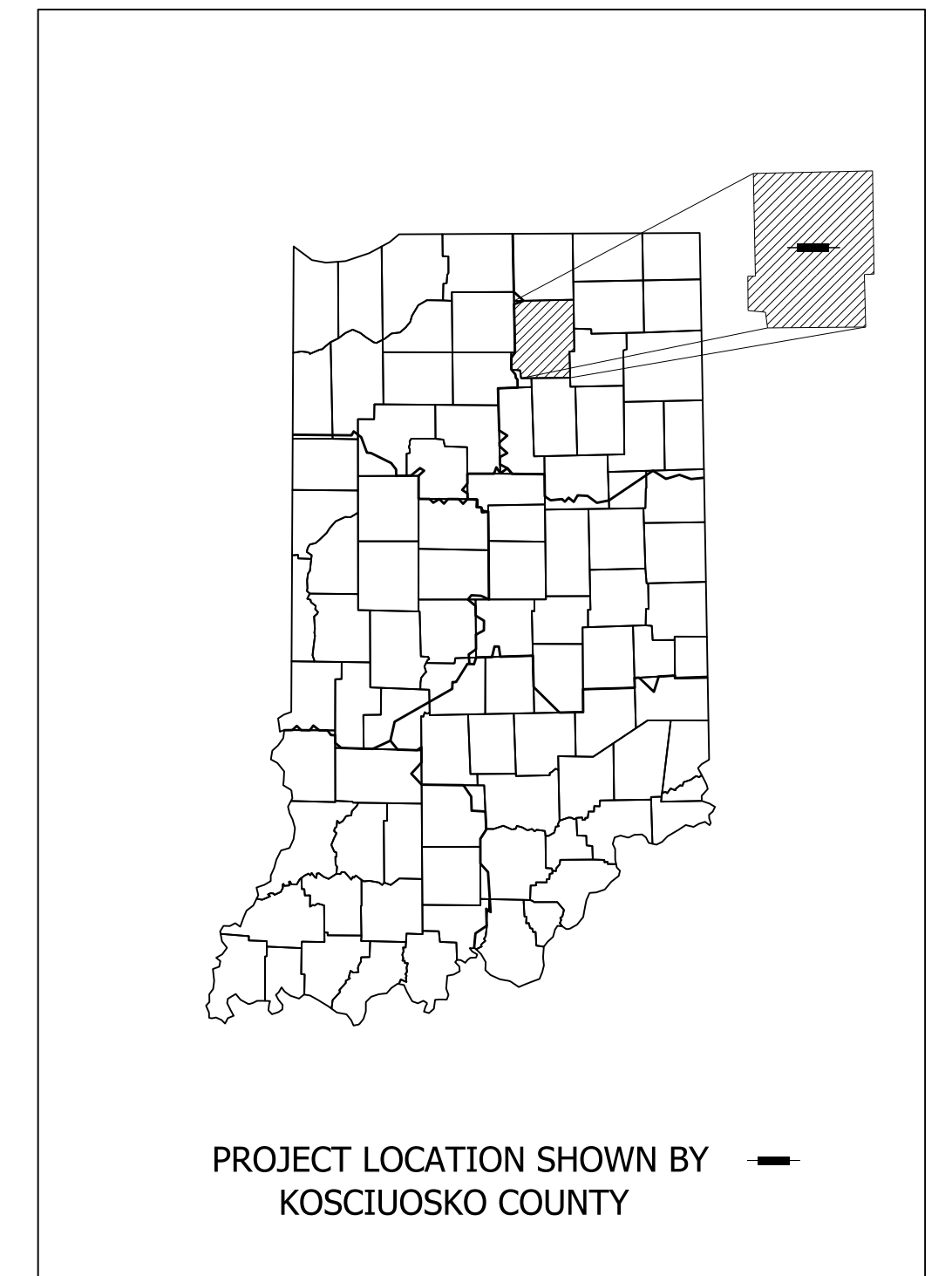
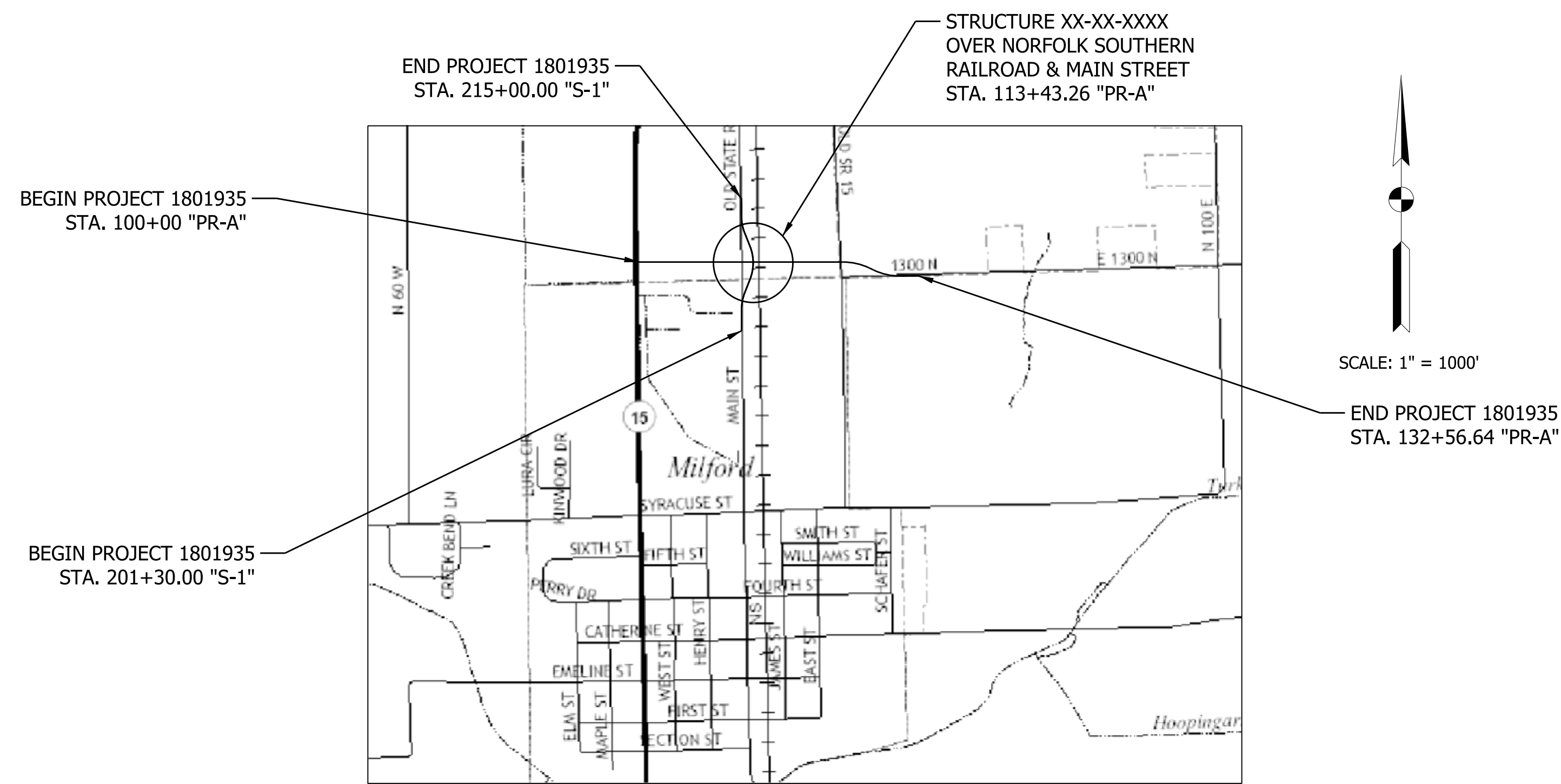
NO ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

NOTE TO REVIEWER

STRUCTURE NUMBER NOT
AVAILABLE AT TIME OF
SUBMITTAL
WILL BE INCLUDED IN
NEXT SUBMITTAL

VERTICAL PROFILE TO BE
ADJUSTED FOR LINE "PR-A"
DURING STAGE III TO PROVIDE
23'-3" OVER RAILROAD

NEW BRIDGE STRUCTURE CARRYING KOSCIUSKO CR 1300 N OVER NORFOLK SOUTHERN RAILROAD AND MAIN STREET. LOCATED 0.25 MILES EAST OF SR 15 IN SECTION 8, T-34-N, R-6-W, IN VAN BUREN TOWNSHIP OF KOSCIUSKO COUNTY, INDIANA



LATITUDE: 41°25'15" N	LONGITUDE: 85°50'44" W
BRIDGE LENGTH: 0.031	MI.
ROADWAY LENGTH: --	MI.
TOTAL LENGTH: --	MI.
MAX. GRADE: 4.25	%

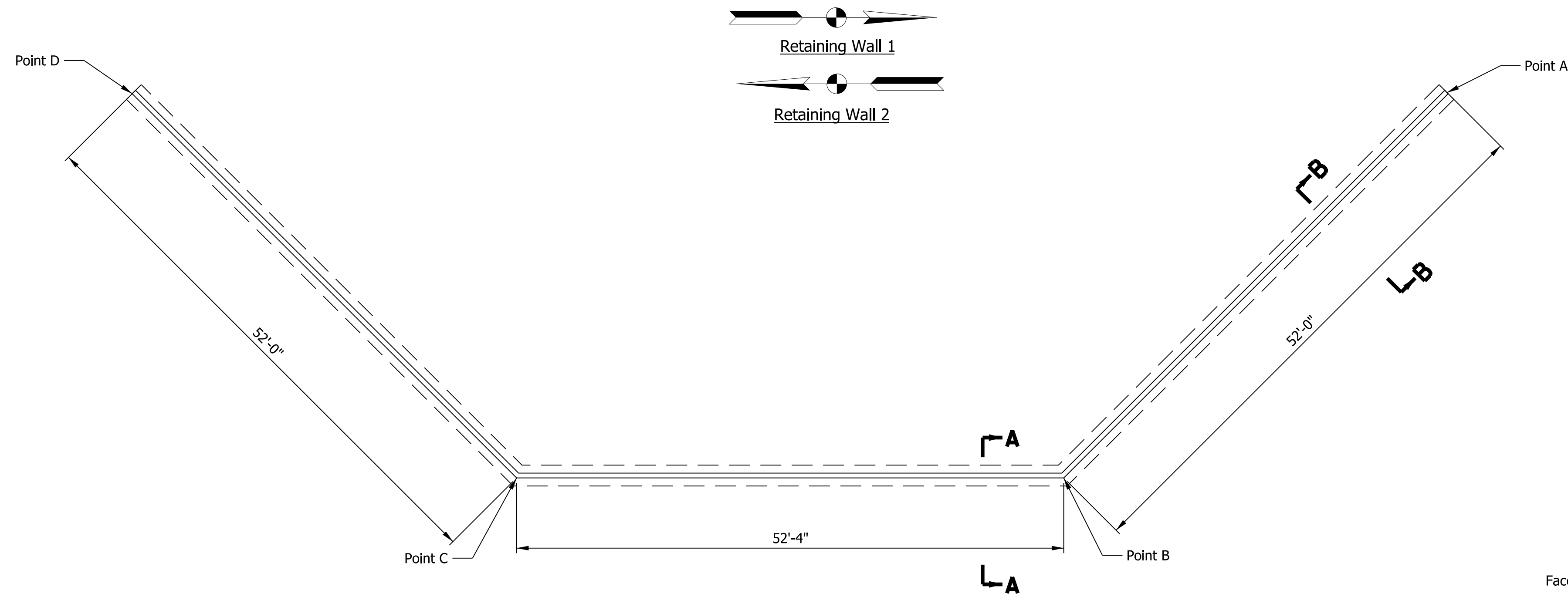
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS



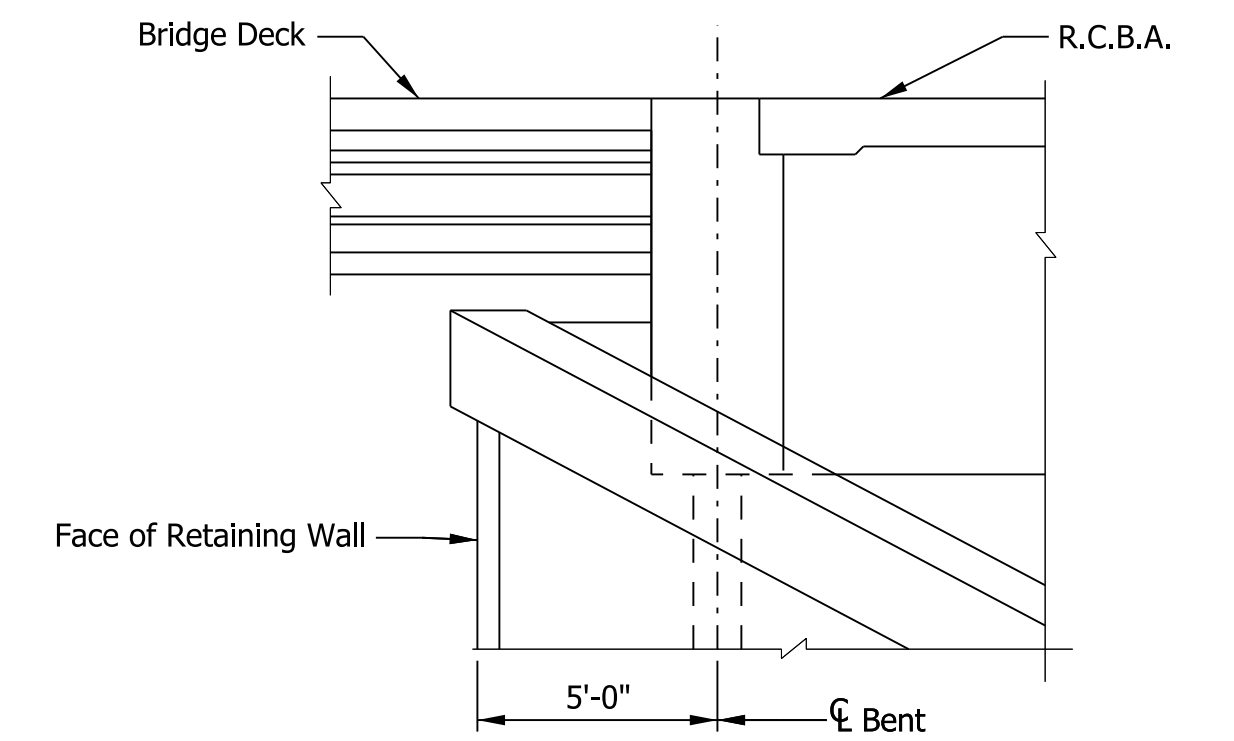
Michael Baker International
3925 River Crossing Parkway, Suite 150
Indianapolis, IN 46240
Tel: 317-663-8430 Fax: 317-663-8410
www.mbakertnt.com

PLANS PREPARED BY:	MICHAEL BAKER JR., INC.	317-663-8430 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

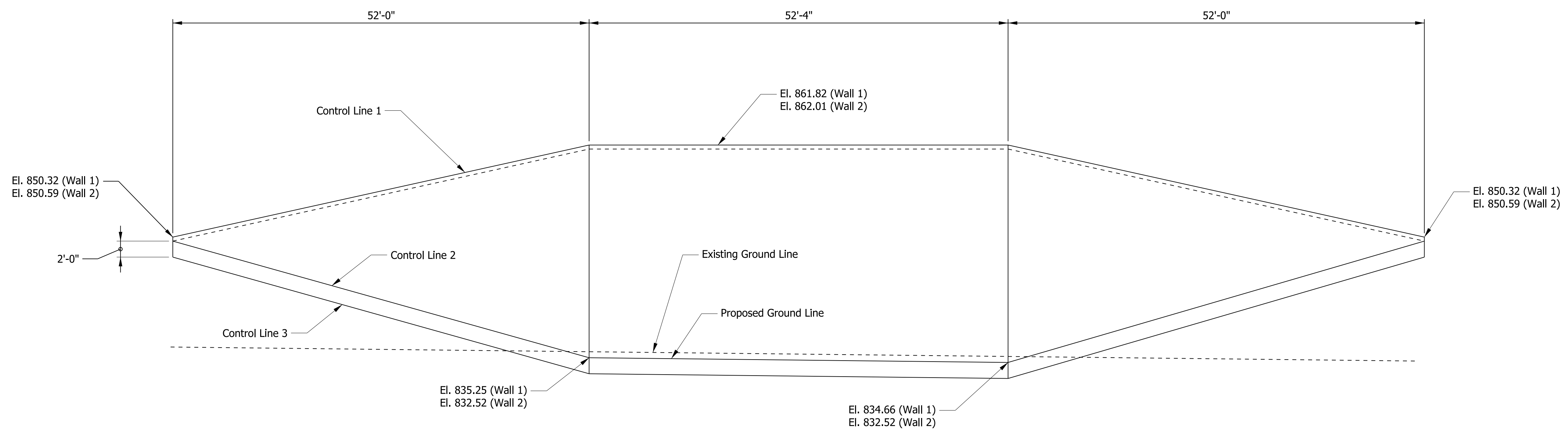
BRIDGE FILE	
XX-XX-XXXX	
DESIGNATION	
1900841	
SURVEY BOOK	SHEETS
	1 of 20
CONTRACT	PROJECT
B-41847	1900841



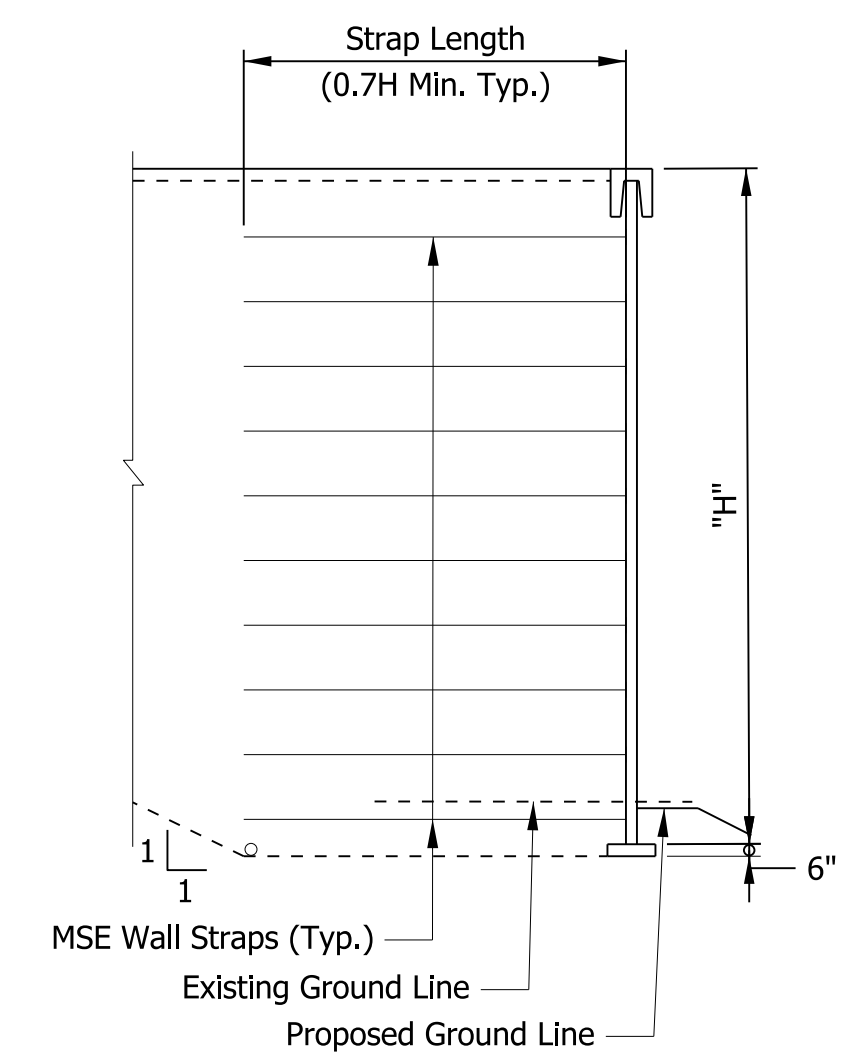
PLAN VIEW



SECTION A-A



ELEVATION VIEW



SECTION A-A

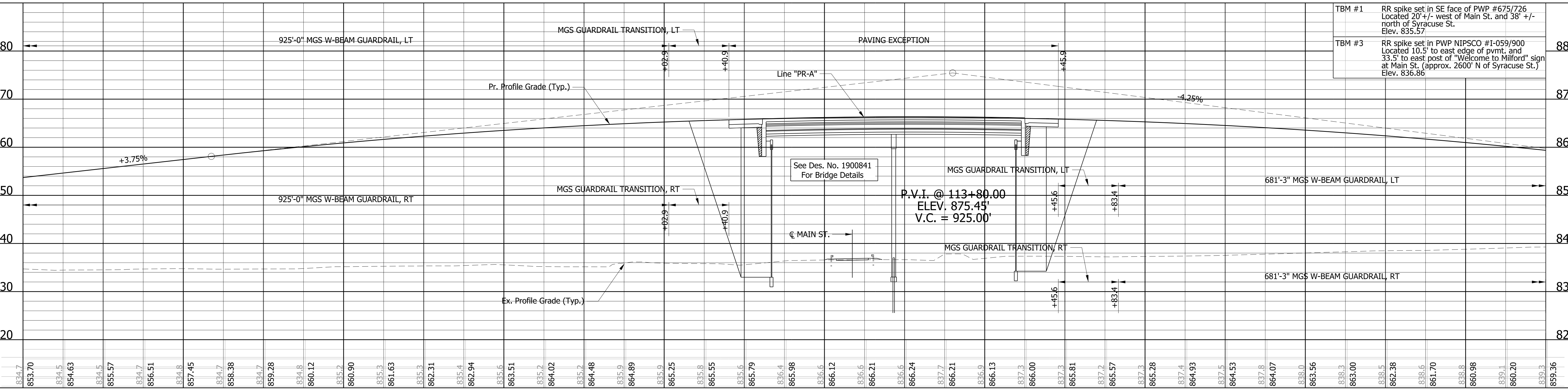
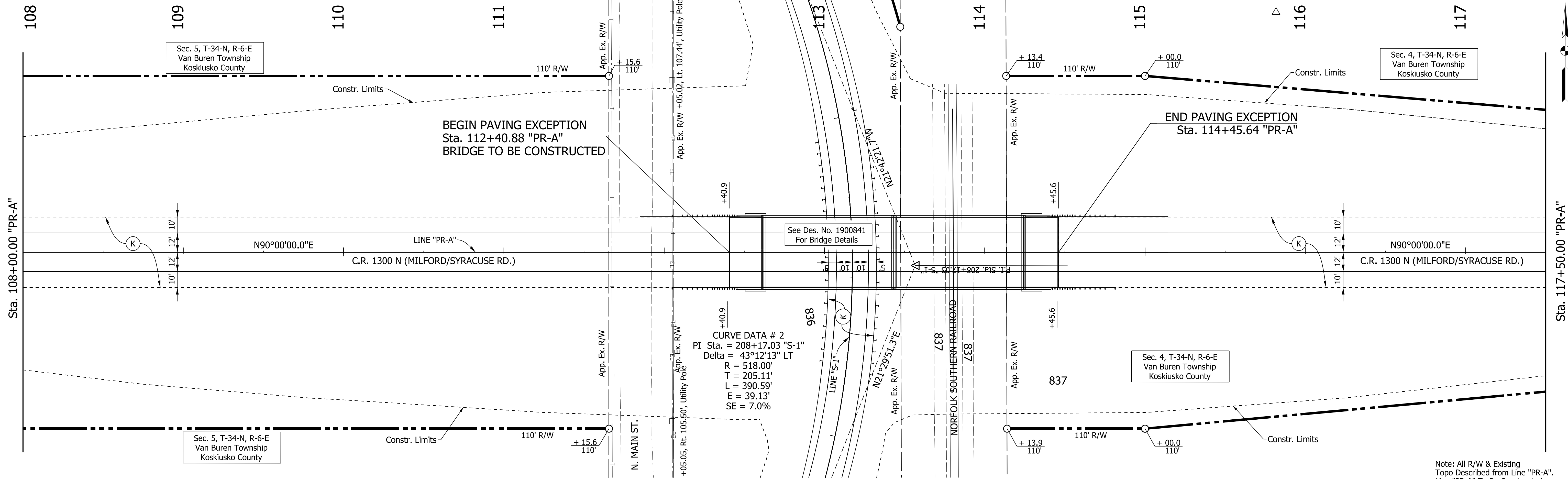
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DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CMB	DRAWN: JLR	
CHECKED: CAB	CHECKED: CMB	

INDIANA DEPARTMENT OF TRANSPORTATION	
MSE WALL DETAILS	

HORIZONTAL SCALE 3/8" = 1'-0"	BRIDGE FILE XX-XX-XXXX
VERTICAL SCALE	DESIGNATION 1900841
SURVEY BOOK	SHEETS 9 OF 20
CONTRACT B-41847	PROJECT 1900841



Note: All R/W & Existing Topo Described from Line "PR-A". Line "PR-A" To Be Constructed

- LEGEND**
- (K) 165#/SY QC/QA-HMA, 3, 64, SURFACE, 9.5 mm ON 275#/SY QC/QA-HMA, 3, 64, INTERMEDIATE, 19.0 mm ON 660#/SY QC/QA-HMA, 3, 64, BASE, 19.0 mm ON SUBGRADE TREATMENT, TYPE 1B
 - (Z) SEED MIXTURE, R
 - (J) COMPACTED AGGREGATE, NO.53

**FROM DES. 1801935 ROADWAY PLAN SET
FOR INFORMATION ONLY**

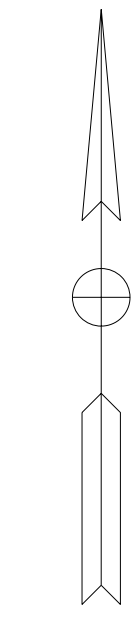
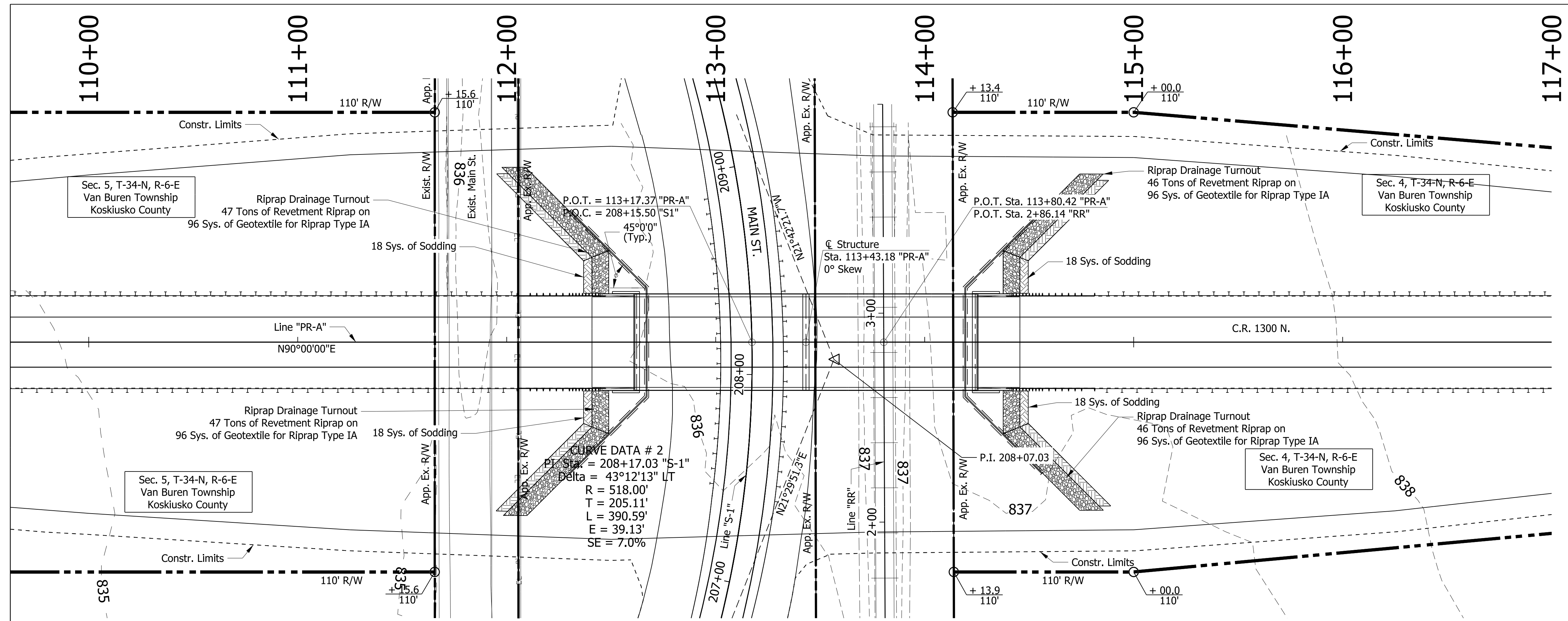
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: KSC	DRAWN: KSC	
CHECKED: JRA	CHECKED: JRA	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

STA. 108+00.00 "PR-A" TO STA. 117+50.00 "PR-A"

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE	
VERTICAL SCALE 1" = 10'	DESIGNATION 1801935	
SURVEY BOOK	DWG. NO. PP-02	SHEET NO. 10 of 20
CONTRACT B-41847	PROJECT 1801935	



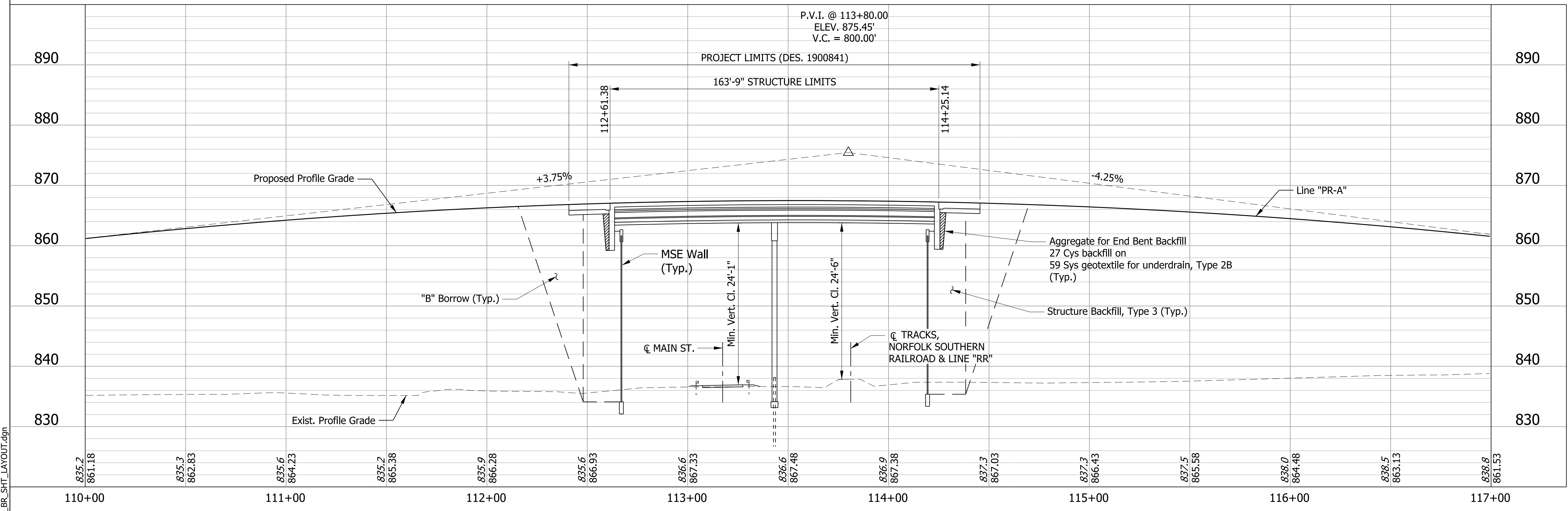
EXISTING STRUCTURE
NONE

UTILITIES
SEE INDEX, SHEET 2

EARTHWORK TABULATION
SEE ROAD PLANS DES. NO. 1801935

BENCHMARK INFORMATION

- TBM #1- Railroad spike set in the southeast face of the power pole #675/726, 1'± above ground. Located 20'± west of the centerline of Main Street and 38'± north of the centerline of Syracuse Street. Elev. 835.57
- TBM #2- Cut "X" on north bonnet bolt of a fire hydrant. Located 30'± east of the centerline of Old State Road 15 and 50'± south of the centerline of County Road 1300 N. Elev. 843.94
- TBM #3- Railroad spike set in the power pole Nipsco #I-059/900, 1' above ground. 10.5' to the east edge of pavement and 33.5' to the east post "Welcome to Milford" sign at Main Street, ~2,600' north of Syracuse Street. Elev. 836.86
- TBM #4- Railroad spike set in the power pole Nipsco #686/731, 3' above ground. Located 23'± west of the west edge of pavement and 8'± southeast of the east post of billboard at Old State Road 15, ~2,600' north of Syracuse Street. Elev. 829.14



PRESTRESSED CONCRETE BULB-TEE GIRDER
2 SPANS @ 81'-0"
43'-4" CLEAR ROADWAY; NO SKEW
C.R. 1300 N. OVER NORFOLK SOUTHERN
RAILROAD & MAIN ST.
KOSCIUSKO COUNTY, INDIANA

NOTE TO REVIEWER:
REFERENCE TIES NOT AVAILABLE
AT TIME OF SUBMITTAL

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPD	DRAWN: JLR	
CHECKED: CAB	CHECKED: JPD	

INDIANA
DEPARTMENT OF TRANSPORTATION

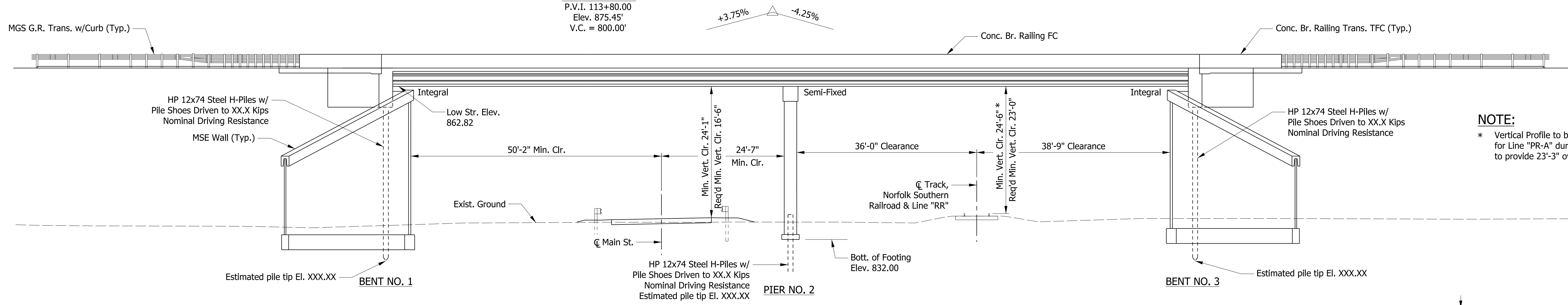
LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	XX-XX-XXXX
VERTICAL SCALE	DESIGNATION
1"=10'	1900841
SURVEY BOOK	SHEETS
	11 of 20
CONTRACT	PROJECT
B-41847	1900841

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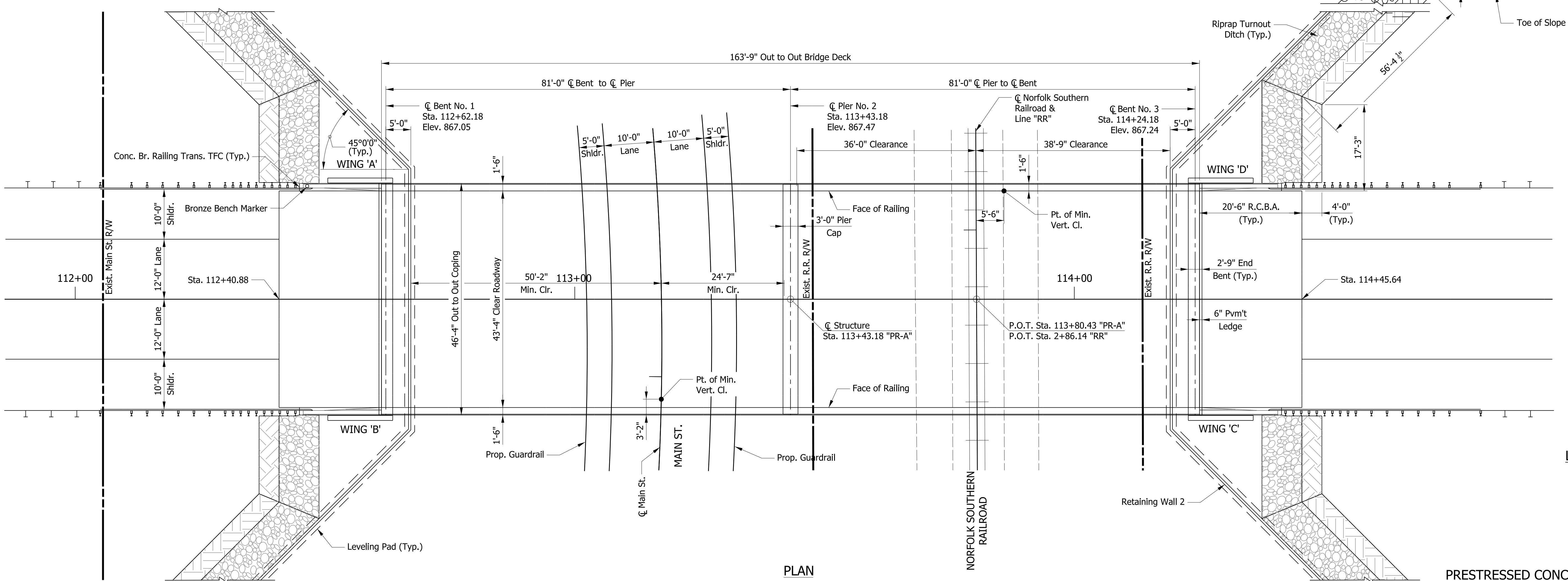
Vertical Curve Data
 P.V.I. 113+80.00
 Elev. 875.45'
 V.C. = 800.00'

STRUCTURE TO BE BUILT ON 800' VERTICAL CURVE



NOTE:
 * Vertical Profile to be adjusted for Line "PR-A" during Stage III to provide 23'-3" over Railroad.

ELEVATION



PLAN

LEGEND:

 Riprap
 Sodding

PRESTRESSED CONCRETE BULB-TEE GIRDER
 2 SPANS @ 81'-0"
 43'-4" CLEAR ROADWAY; NO SKEW
 C.R. 1300 N. OVER NORFOLK SOUTHERN
 RAILROAD & MAIN ST.
 KOSCIUSKO COUNTY, INDIANA

IP_PWP:dms02650\kosciskco_BR_SHT_GP.dgn

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CMB	DRAWN: JLR	
CHECKED: CAB	CHECKED: CMB	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
3/2" = 1'-0"	XX-XX-XXXX
VERTICAL SCALE	DESIGNATION
	1900841
SURVEY BOOK	SHEETS
	12 OF 20
CONTRACT	PROJECT
B-41847	1900841

GENERAL NOTES

Reinforcing steel covering to be 2½ inches in top and 1 inch min. in bottom of floor slabs, 3 inches in footings except bottom steel to be 4 inches, and 2 inches in all other parts, unless noted.

DESIGN DATA

LIVE LOAD
Designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017.

DEAD LOAD
Actual weight plus 35 lb/sft for future wearing surface and 15 lb/sft for permanent metal deck forms.

FLOOR SLAB
Designed with a 7½" structural depth plus ½" sacrificial wearing surface.

DESIGN STRESSES

CONCRETE
Class C $f'_c = 4000$ psi
Class B $f'_c = 3000$ psi
Class A $f'_c = 3500$ psi

REINFORCING STEEL
Grade 60 $f_y = 60,000$ psi

CONSTRUCTION LOADING
The exterior girder has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior girder. Finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhang brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web.

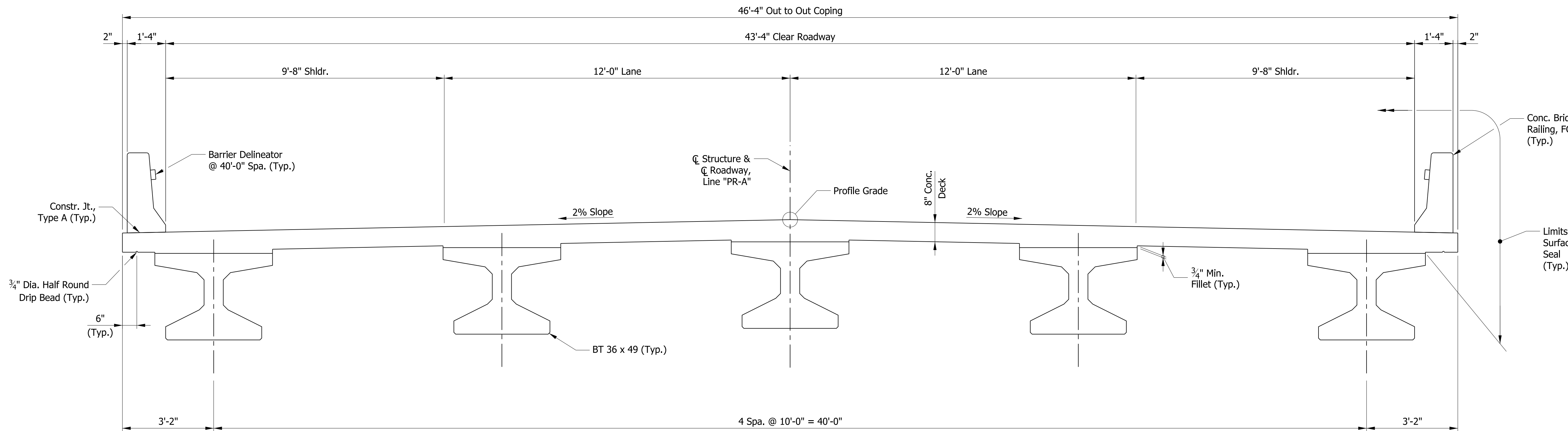
DECK FALSEWORK LOADS
Designed for 15 lb/sft for permanent metal stay-in-place deck forms, removable deck forms, and 2 ft. exterior walkway.

CONSTRUCTION LIVE LOAD
Designed for 20 lb/sft extending 2 ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30 ft length of the deck centered with the finishing machine.

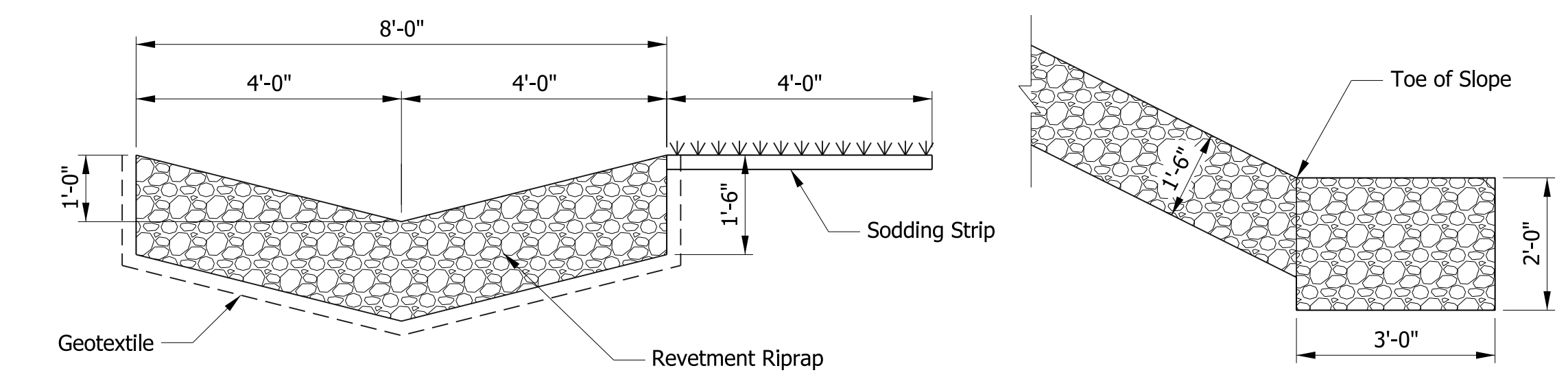
FINISHING-MACHINE LOAD
4500 lb distributed over 10 ft along the coping.

WIND LOAD
Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

SEISMIC DESIGN DATA
Seismic Performance Zone Zone 1
Acceleration Coefficient S_{D1} 0.073
Seismic Soil Profile Site Class C (assumed for Prelim. Design)



TYPICAL SECTION
SCALE: ½" = 1'-0"



TYPICAL CROSS SECTION
TYPICAL LONGITUDINAL SECTION
RIPRAP DRAINAGE TURNOUT DETAILS
SCALE: NTS

PRESTRESSED CONCRETE BULB-TEE GIRDER
2 SPANS @ 81'-0"
43'-4" CLEAR ROADWAY; NO SKEW
C.R. 1300 N. OVER NORTHERN SOUTHERN
RAILROAD & MAIN ST.
KOSCIUSKO COUNTY, INDIANA

DATE	REVISION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CMB	DRAWN: JLR	
CHECKED: CAB	CHECKED: CMB	

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	XX-XX-XXXX
DESIGNATION	1900841
SURVEY BOOK	SHEETS
CONTRACT	13 OF 20
B-41847	PROJECT
	1900841

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