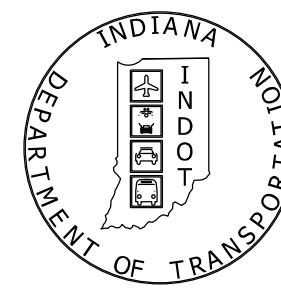


PROJECT	DESIGNATION
1700123	1700123
CONTRACT	BRIDGE FILE
B-42245	N/A

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
CV 014-037-18.10	Corrugated Metal Pipe	4'-0" Span x 78'-0" Long 07° 00' 00" Skew Lt.	UNT to Oliver Ditch	1015+10.00 "PR-A"

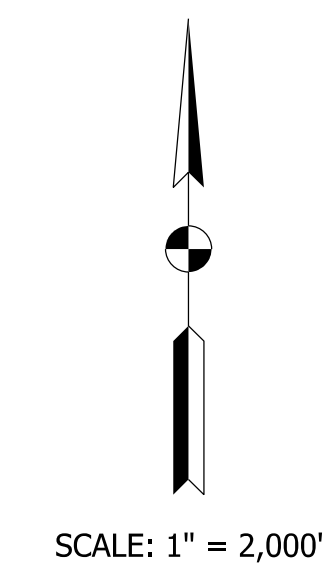
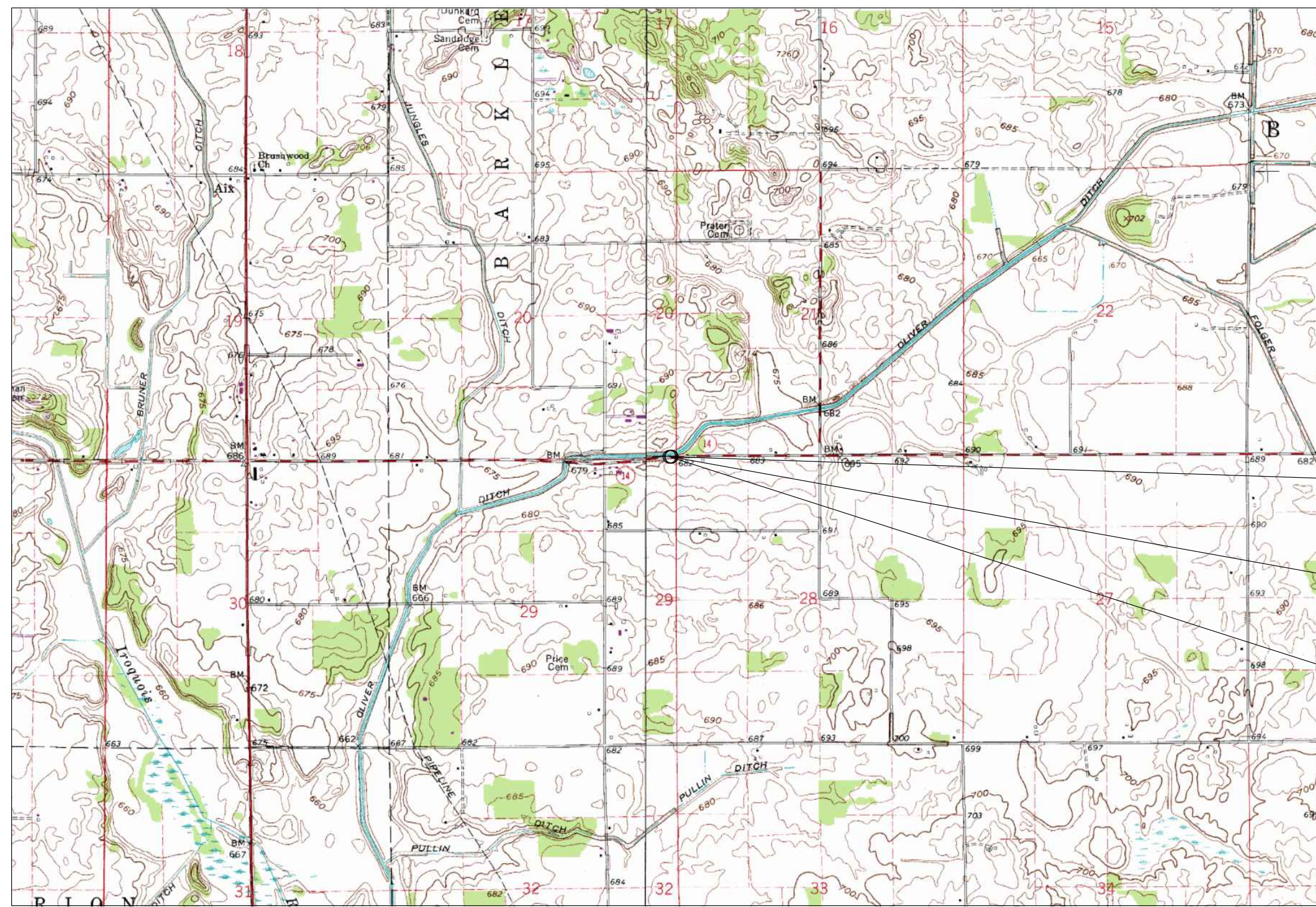
INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: S.R. 14 AT: RP 18+10
 PROJECT NO. 1700123 P.E.
 1700123 R/W
 1700123 CONST.

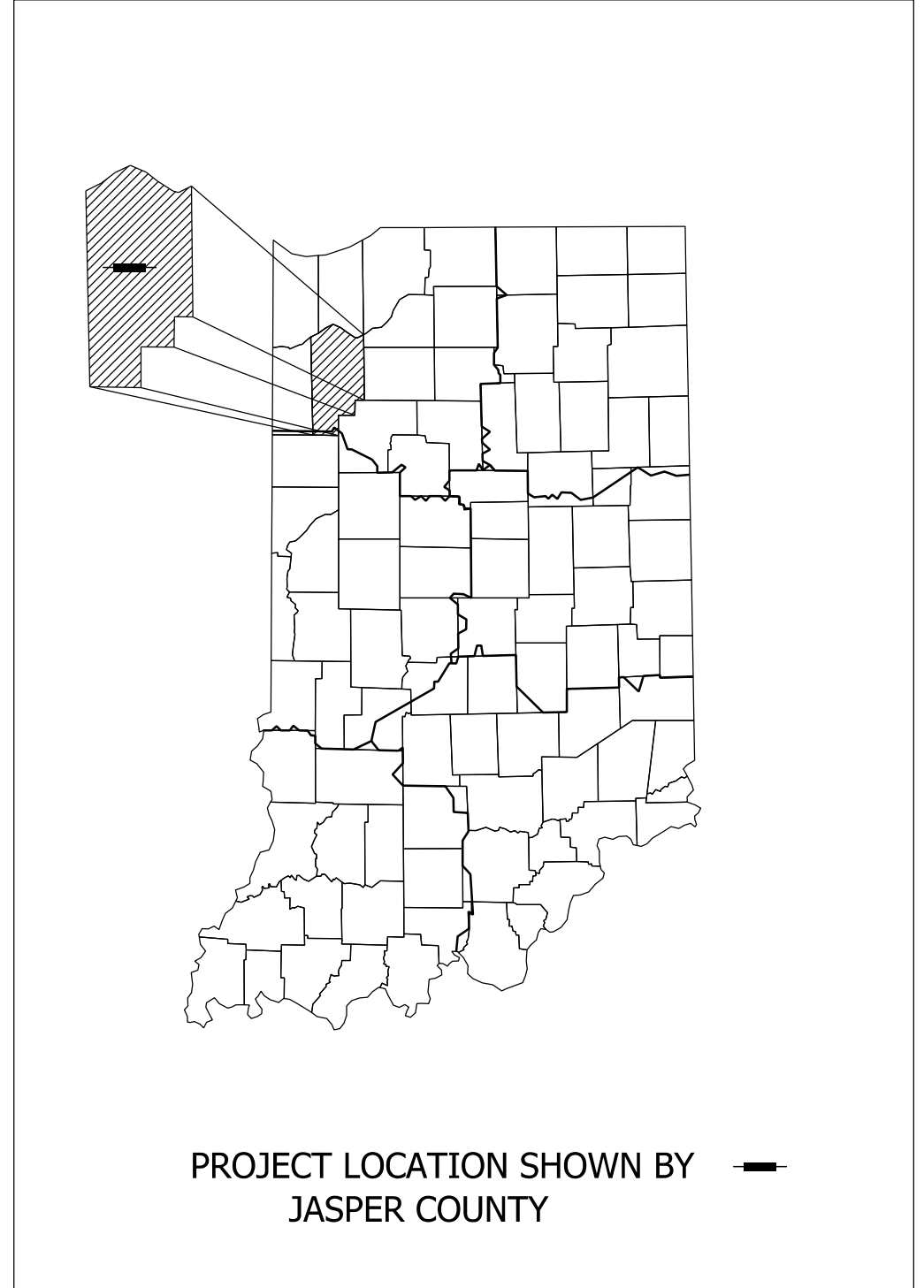
Small Structure - New on S.R. 14 over UNT to Oliver Ditch
 Located 1.50 Miles East of U.S. 231
 Section 20, 21, 28 & 29, T-30-N, R-6-W, Barkley Township, Jasper County, Indiana



TRAFFIC DATA		
A.A.D.T.	(2022)	2,530 V.P.D.
A.A.D.T.	(2042)	3,264 V.P.D.
D.H.V.	(2042)	292 V.P.H.
DIRECTIONAL DISTRIBUTION		49.49 %
TRUCKS		22.2 % A.A.D.T. 23.8 % D.H.V.

DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

KIN PROJECT INFORMATION					
DESIGNATION	PROJECT DESCRIPTION				
	Work Type	Route	Location	Feature Crossed	County
1700044	Small Structure Pipe Lining	US 231	2.34 mi N of SR 14	Comer Ditch	Jasper County
1700046	Small Structure Pipe Lining	US 231	0.87 mi N of SR 110	Schatzley Ditch	Jasper County
1700103 (LEAD)	Bridge Replacement, Concrete	US 421	3.50 mi S of SR 16	Hoagland Ditch	White County
1700123	Small Structure - New	SR 14	1.50 mi E of US 231	UNT to Oliver Ditch	Jasper County
1701329	Small Structure Replacement	SR 49	4.60 mi S of SR 10	Barnard Ditch	Jasper County
1701475	Small Structure Replacement	US 231	at CR 400N	Bruner Ditch	Jasper County
1701493	Small Structure Replacement	SR 114	2.09 mi W of Jct of US 421	Rosendall Ditch	Jasper County
1701506	Small Structure Replacement	SR 14	0.73 mi E of US 231	Jungels-Lakin Ditch	Jasper County
1701508	Small Structure Replacement	SR 14	1.07 mi W of US 231	Lakin, Ross Ditch	Jasper County
1701512	Small Structure Replacement	SR 114	1.09 mi E of Jct of US 231	School House Ditch	Jasper County



LATITUDE: 41°01'38" LONGITUDE: 87°07'23"

ROADWAY LENGTH:	0.002	MI.
TOTAL LENGTH:	0.002	MI.
MAX. GRADE:	0.960	%

HUC: 071200020103



9102 North Meridian St. Suite 200 Indianapolis, IN 46260
 (317) 566-0629
 Fax: (317) 566-0633
 Website: www.sjca-pc.com

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

PLANS PREPARED BY:	SJCA, P.C.	(317) 566-0629
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
N/A	
DESIGNATION	
1700123	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 19
CONTRACT	PROJECT
B-42245	1700123

UTILITIES

POWER: Jasper County REMC
PO Box 129
Rensselaer, IN 47978
Craig Smart
Office: 219-866-4601
craigs@jasperremc.com

TELEPHONE: Centurylink (Local)
426 Main Street
Lawrenceburg, IN 47025
David Baker
Office: 812-584-8471
dbaker@truenetcommunications.com

Centurylink (National)
1025 Eldorado Boulevard
Broomfield, CO 80021
Tim Hill
Office: 765-733-3204
Tim.w.hill@centurylink.com



INDIANA UNDERGROUND
1-800-382-5544 OR CALL 811
24 HOURS A DAY 7 DAYS A WEEK

GENERAL NOTES

[Empty box for general notes]

INDEX

SHEET NO.	SUBJECT
1	TITLE SHEET
2	INDEX SHEET
3	TYPICAL SECTIONS
4	PLAT NO. 1
5 - 6	LOCATION CONTROL ROUTE SURVEY
7	R/W SITE PLAN
8 - 9	MAINTENANCE OF TRAFFIC
10	PLAN AND PROFILE
11	GENERAL PLAN
12	EROSION CONTROL
13	MISCELLANEOUS TABLES
14 - 19	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

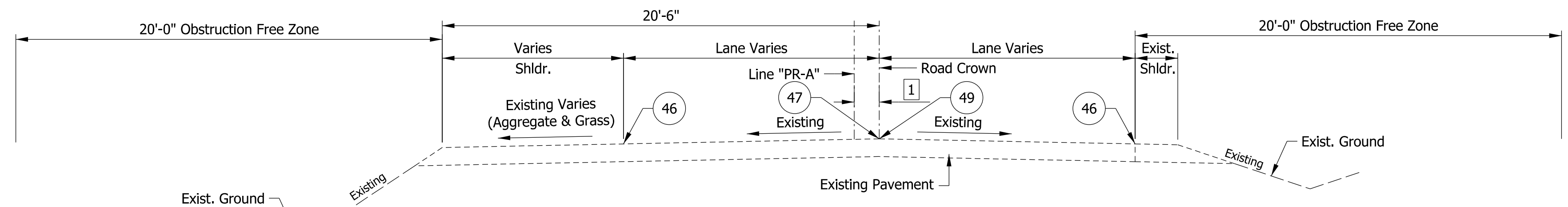
Model: Index
4/30/2020 1:36:24 PM User: ALckes

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ PFC _____	DRAWN: _____ PFC _____	
CHECKED: _____ MDP _____	CHECKED: _____ MDP _____	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

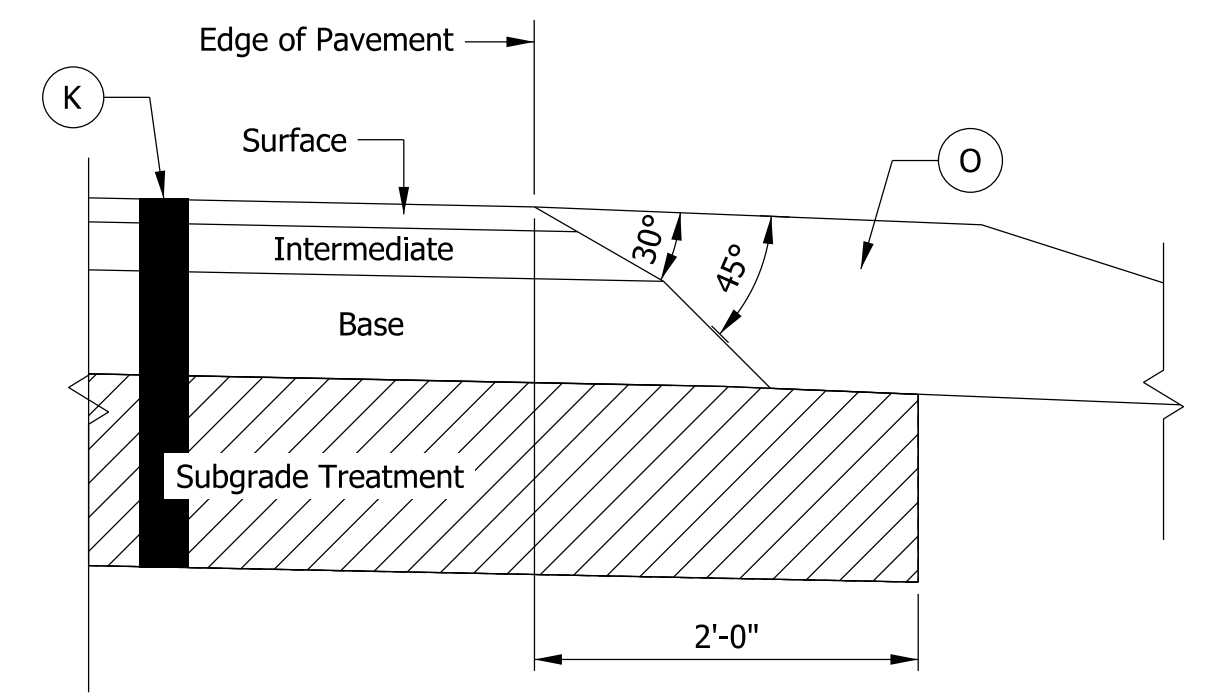
INDEX

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	2 of 19
CONTRACT	PROJECT
B-42245	1700123



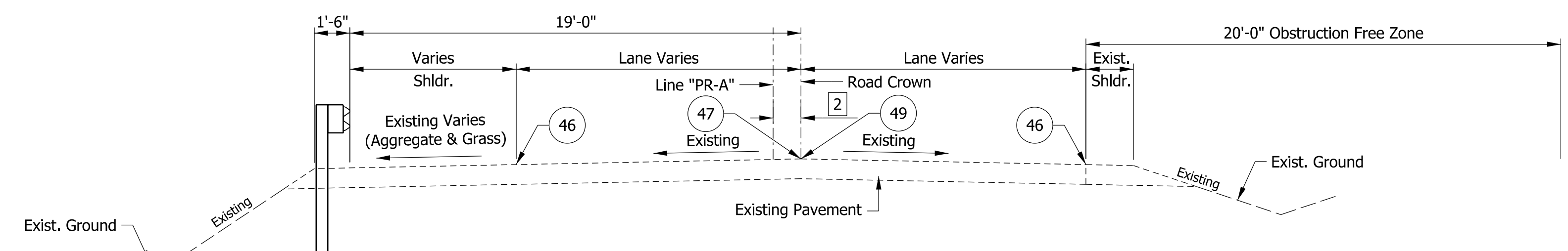
TYPICAL ROADWAY SECTION

Scale: 1/4" = 1'-0"
 Sta. 1008+68.00 "PR-A" to Sta. 1009+54.00 "PR-A"
 Sta. 1016+04.00 "PR-A" to Sta. 1017+11.00 "PR-A"



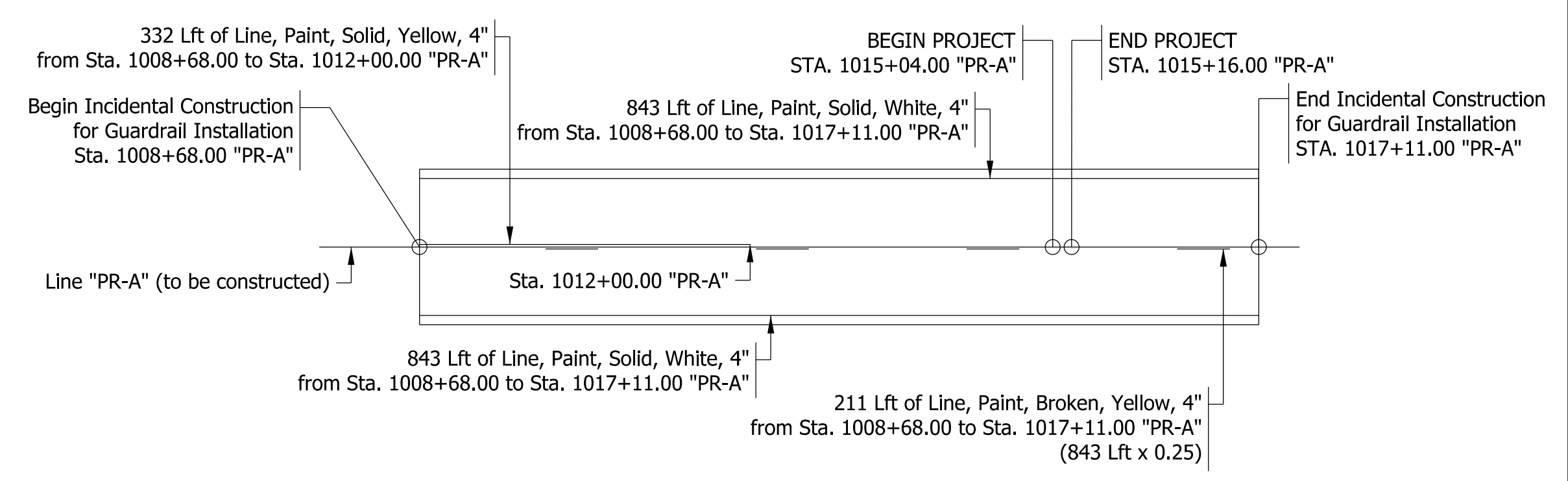
SAFETY EDGE DETAIL

Not to Scale



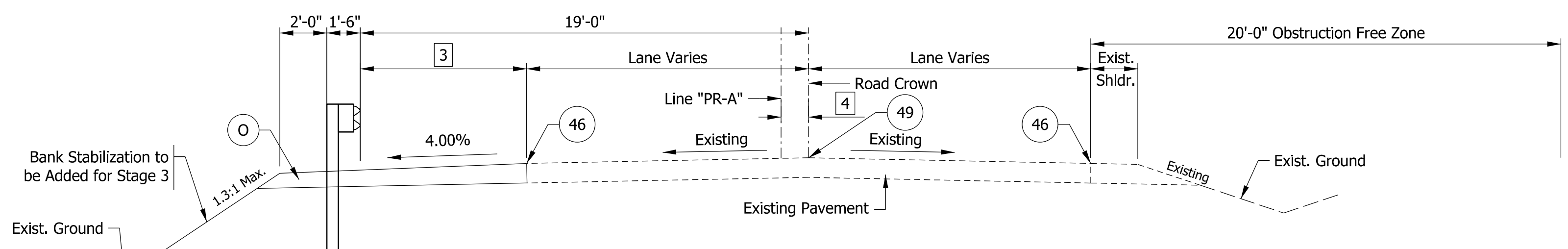
TYPICAL ROADWAY SECTION

Scale: 1/4" = 1'-0"
 Sta. 1009+54.00 "PR-A" to Sta. 1013+00.00 "PR-A"
 Sta. 1015+16.00 "PR-A" to Sta. 1016+04.00 "PR-A"



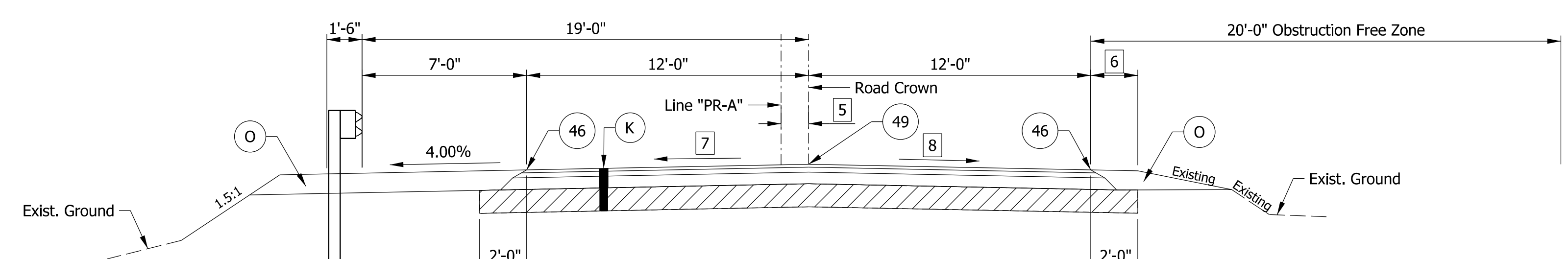
PROPOSED PAVEMENT MARKINGS

Not to Scale



TYPICAL ROADWAY SECTION

Scale: 1/4" = 1'-0"
 Sta. 1013+00.00 "PR-A" to Sta. 1015+04.00 "PR-A"



TYPICAL FULL-DEPTH PATCHING SECTION

Scale: 1/4" = 1'-0"
 Sta. 1015+04.00 "PR-A" to Sta. 1015+16.00 "PR-A"

NOTE TO REVIEWER:
 Pavement design pending

LEGEND

- 1 Road Crown is on Line "PR-A" from Sta. 1008+68.00 to Sta. 1009+54.00
Road Crown Varies from 1.02 at Sta. 1016+04.00 "PR-A" to 0.55 at Sta. 1016+95.00 "PR-A"
- 2 Road Crown Varies from 0.00 at Sta. 1009+54.00 "PR-A" to 0.98 at Sta. 1013+00.00 "PR-A"
Road Crown Varies from 1.00 at Sta. 1015+16.00 "PR-A" to 1.02 at Sta. 1016+04.00 "PR-A"
- 3 Aggregate Shoulder Varies from 7.87 at Sta. 1013+00.00 "PR-A" to 8.24 at Sta. 1015+04.00 "PR-A"
- 4 Road Crown Varies from 0.98 at Sta. 1013+00.00 "PR-A" to 1.13 at Sta. 1015+04.00 "PR-A"
- 5 Road Crown Varies from 1.13 at Sta. 1015+04.00 "PR-A" to 1.00 at Sta. 1015+16.00 "PR-A"
- 6 Aggregate Shoulder Varies from 3.18 at Sta. 1015+04.00 "PR-A" to 3.24 at Sta. 1015+16.00 "PR-A"
- 7 Varies from 2.10% at Sta. 1015+04.00 "PR-A" to 2.13% at Sta. 1015+16.00 "PR-A" (Match Existing)
- 8 Varies from 3.40% at Sta. 1015+04.00 "PR-A" to 3.28% at Sta. 1015+16.00 "PR-A" (Match Existing)
- K HMA Pavement over the Structure Shall consist of:
165 lbs/syd QC/QA-HMA 2, 70, Surface, 9.5 mm on
275 lbs/syd QC/QA-HMA 2, 70, Intermediate, 19.0 mm on
660 lbs/syd QC/QA-HMA 2, 64, Base, 19.0 mm on
Subgrade Treatment IC
- O Compacted Aggregate, No. 53
- ▨ Limits of Subgrade Treatment
- 46 Line, Paint, Solid, White 4"
- 47 Line, Paint, Solid, Yellow 4" (From Sta. 1008+68.00 "PR-A" to Sta. 1012+00.00 "PR-A")
- 49 Line, Paint, Broken, Yellow 4"

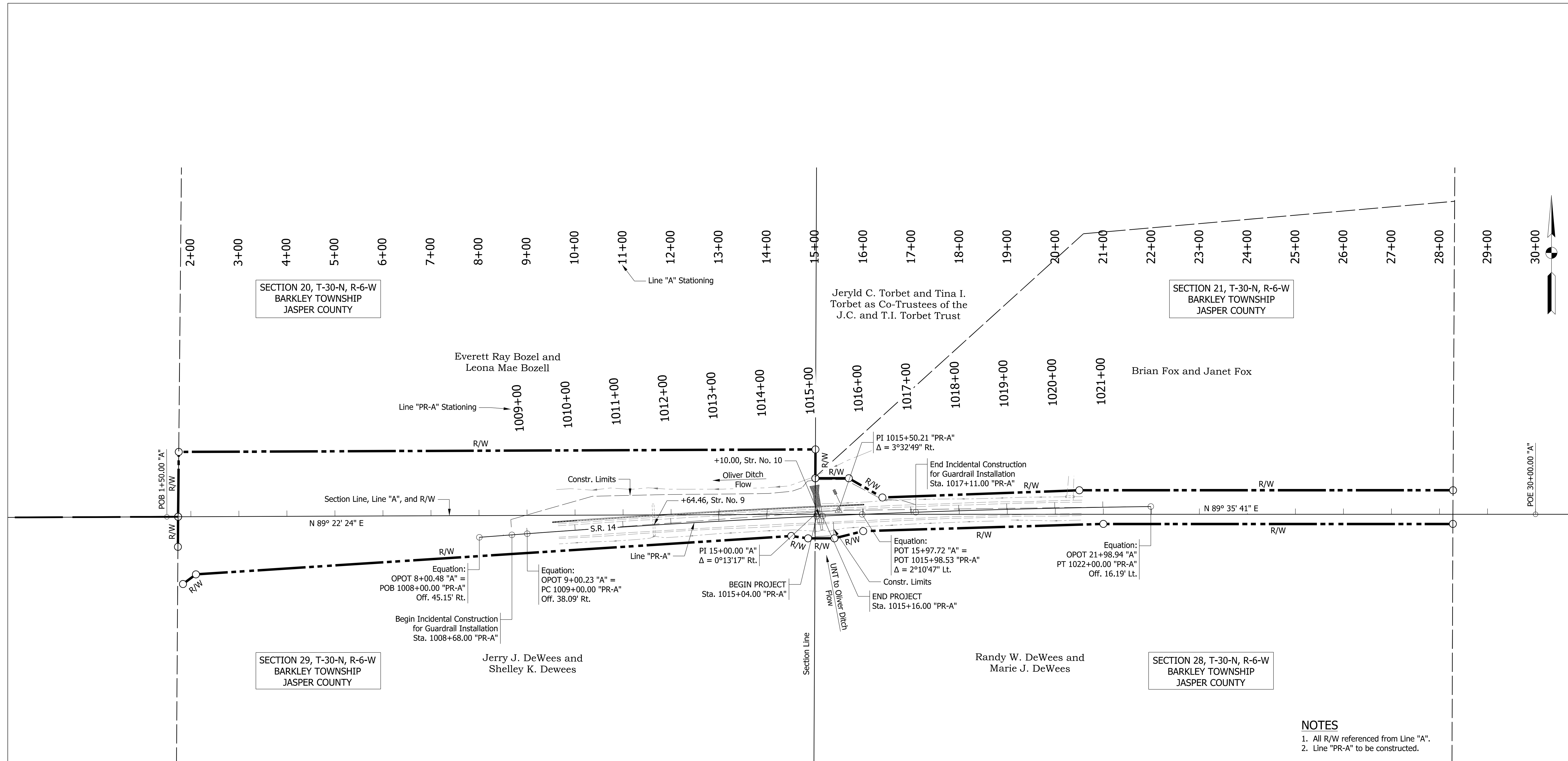
Model: TypSec 4/30/2020 11:36:32 PM User: Alckes

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: PFC	DRAWN: PFC	
CHECKED: MDP	CHECKED: MDP	

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 19
CONTRACT	PROJECT
B-42245	1700123



NOTES
 1. All R/W referenced from Line "A".
 2. Line "PR-A" to be constructed.

Model: Plat 1 4/30/2020 1:36:40 PM User: ALckles

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ GSH	DRAWN: _____ GSH	
CHECKED: _____ MDP	CHECKED: _____ MDP	

INDIANA
DEPARTMENT OF TRANSPORTATION

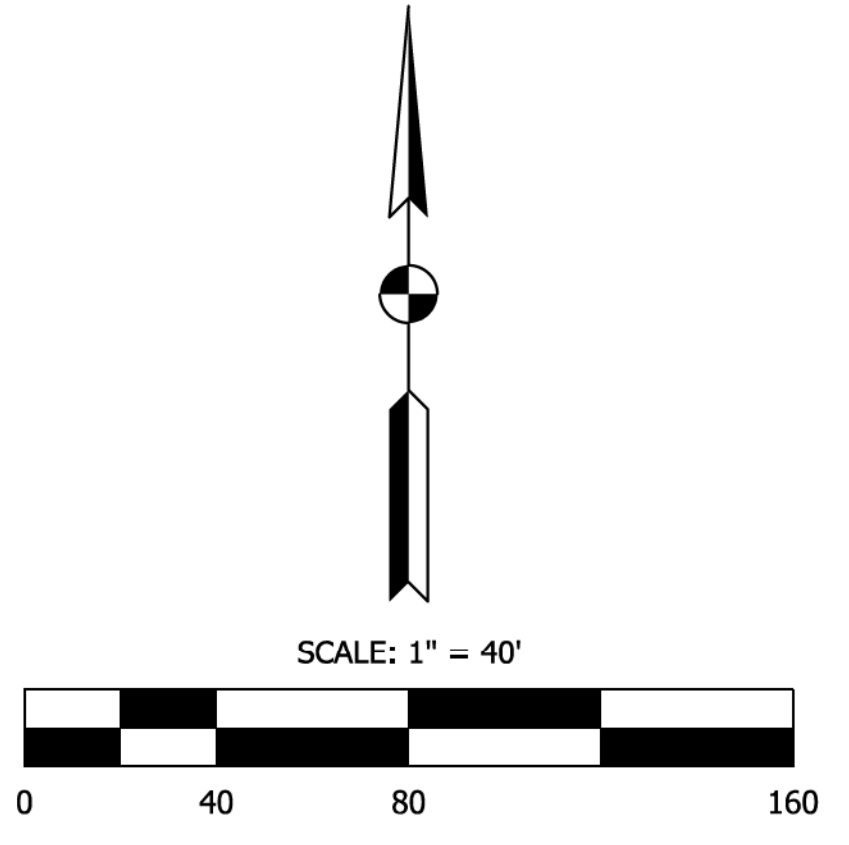
PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 19
CONTRACT	PROJECT
B-42245	1700123

INDIANA DEPARTMENT OF TRANSPORTATION



LOCATION CONTROL ROUTE SURVEY PLAT JASPER COUNTY, INDIANA S. R. 14



VICINITY MAP
(N.T.S.)

Section 20, T-30-N, R-6-W
Barkley Township,
Jasper County

Everett Ray Bozell and Leona Mae Bozell
Deed Record 166, Page 238
I.D.#37-10-20-000-003.000-019

Jeryld C. Torbet and Tina I. Torbet as
Co-Trustees of the J.C. and T.I. Torbet Trust
Deed Record 247, Page 551
I.D.#37-10-21-000-007.000-019

Brian Fox and Janet Fox
Deed Record 221, Page 96
I.D.#37-10-21-000-002.000-019

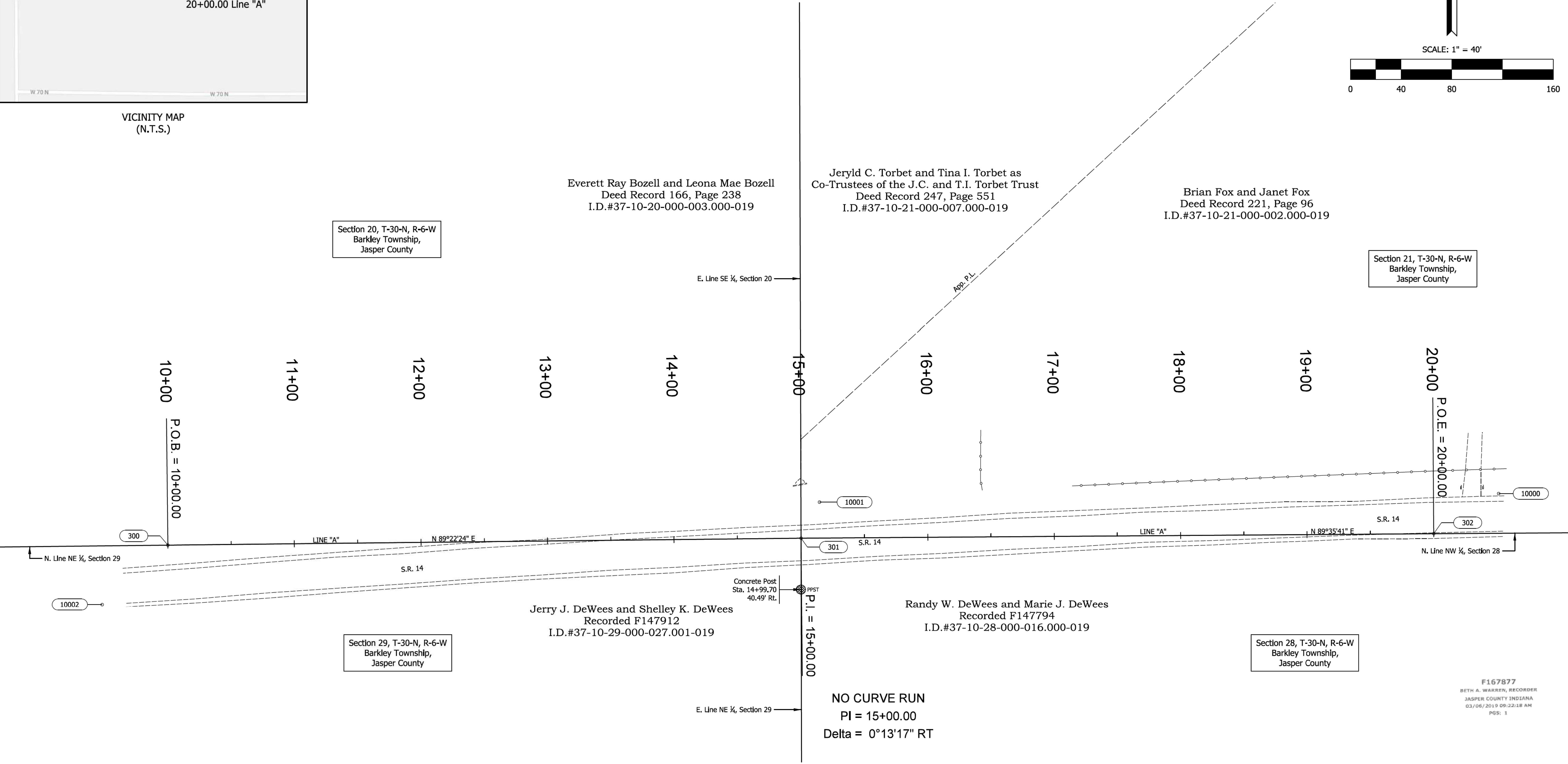
Section 21, T-30-N, R-6-W
Barkley Township,
Jasper County

Section 29, T-30-N, R-6-W
Barkley Township,
Jasper County

Jerry J. DeWees and Shelley K. DeWees
Recorded F147912
I.D.#37-10-29-000-027.001-019

Randy W. DeWees and Marie J. DeWees
Recorded F147794
I.D.#37-10-28-000-016.000-019

Section 28, T-30-N, R-6-W
Barkley Township,
Jasper County



F167877
BETH A. WARREN, RECORDER
JASPER COUNTY INDIANA
03/06/2019 09:22:18 AM
PGS: 1

Model: Plat_C1
3/28/2019 5:03:51 AM User: jReddy

SURVEY STARTED	AUGUST 29, 2018
SURVEY COMPLETED	DECEMBER 5, 2018
ROUTE PLAT SHEETS	1 of 2

Plat Prepared By:
SJCA
ENGINEERS & SURVEYORS
9102 North Meridian Street, Suite 200,
Indianapolis, IN 46260
Phone: (317) 566-0629
E-mail: sjca@sjca-pc.com

FIELD SURVEYOR STATEMENT
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.

REGISTERED LAND SURVEYOR
No. 8800096
STATE OF INDIANA
CHRISTOPHER H. PHILLIPS

I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.
CHRISTOPHER H. PHILLIPS

CHECKED BY: SAD
RECOMMENDED FOR APPROVAL AND PREPARED BY: CHRISTOPHER H. PHILLIPS
Chris Phillips
2/14/2019
REGISTERED LAND SURVEYOR, FIELD DATE

**INDIANA
DEPARTMENT OF TRANSPORTATION**

LOCATION CONTROL ROUTE SURVEY

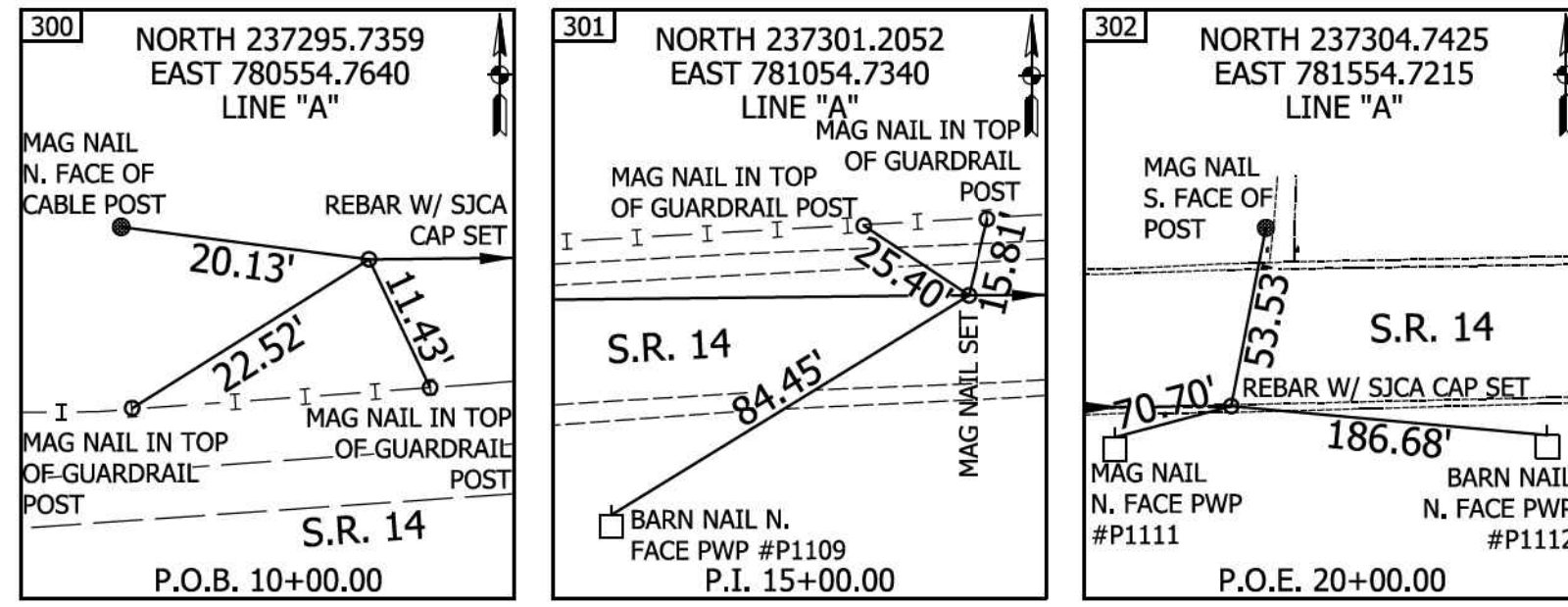
HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
COUNTY	DESIGNATION
JASPER	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 19
CONTRACT	PROJECT
B-42245	1700123

INDIANA DEPARTMENT OF TRANSPORTATION



LOCATION CONTROL ROUTE SURVEY PLAT JASPER COUNTY, INDIANA S. R. 14

POINT NO.	InGCS-Jasper Northing	InGCS-Jasper Easting	DESCRIPTION
300	237,295.7359	780,554.7640	#5 REBAR WITH "SJCA CONTROL" CAP SET (P.O.B. 10+00.00 LINE "A")
301	237,301.2052	781,054.7340	MAG NAIL SET (P.I. 15+00.00 LINE "A")
302	237,304.7425	781,554.7215	#5 REBAR WITH "SJCA CONTROL" CAP SET (P.O.T. 20+00.00 LINE "A")
1187	237,260.7145	781,054.7165	CONC. POST FND. (E. LINE, NE 1/4, SEC. 29)
10000	237,336.4070	781,605.9540	#5 REBAR WITH "SJCA CONTROL" CAP SET
10001	237,329.6410	781,069.2580	#5 REBAR WITH "SJCA CONTROL" CAP SET
10002	237,248.8280	780,502.8940	MAG NAIL SET
10100	234,675.9200	783,690.7550	CUT "X" ON TOP OF CONC. FENCE POST (S. LINE, NW 1/4, SEC. 28)
10101	234,679.4830	785,053.7060	ALUM. DISK FND. (SE COR., SW 1/4, NE 1/4, SEC. 28)
10102	239,986.9830	783,710.6380	RR SPIKE FND. 0.30' B.G. (CENTER SEC. 21)
10108	239,923.8220	778,397.7430	REBAR FND. - BENT AT SURFACE (CENTER SEC. 20)
10109	238,614.9720	779,731.4250	REBAR FND. FLUSH (NW COR., SE 1/4, SE 1/4, SEC. 20)
10110	237,203.5750	779,728.2670	REBAR FND. 0.30' B.G. (W. LINE, NE 1/4, NE 1/4, SEC. 29)
10111	234,647.2140	779,729.2890	REBAR FND. FLUSH (SW COR., SE 1/4, NE 1/4, SEC. 29)
10114	234,594.2800	775,756.3760	REBAR FND. FLUSH (SW COR., NW 1/4, SEC. 29)
10115	237,243.0820	775,741.4770	ALUM. DISK FND. (NW COR., SEC. 29)
10117	237,338.8340	786,373.5160	RR SPIKE FND. (NE COR., SEC. 28)



SURVEYOR'S REPORT

LOCATION:

This survey is located in the southeast quarter of Section 20, the southwest quarter of Section 21, the northeast quarter of Section 29 and the northwest quarter of Section 28 Township 30 North, Range 6 West in Barkley Township, Jasper County, Indiana

PURPOSE:

This survey was conducted for a Culvert improvement along State Road 14. It is not intended to be a retracement survey as defined by Title 865 of the Indiana Administrative Code and any boundary lines or corners are shown based only on visible physical evidence collected during the course of the survey and documents of record.

GENERAL NOTES:

Should additional USPLS corners be needed where none were found, they should be re-established and tied into this survey.
Field measurements for this survey were made in accordance with the specifications outlined in Title 865 of the Indiana Administrative Code regarding route surveys. The decimal precision shown on this plat for measurements and coordinates is for consistency in mathematical calculations and is not intended to indicate the precision of the field work conducted during this survey.
Existing right-of-way lines, parcel boundary lines and owner's information shown on this plat are preliminary and subject to change based on the verification and validation of title. This information is shown only to help orient the user of this plat as it relates to project centerlines and is not intended to establish existing right-of-way lines or boundary lines. The sources used to plat the right-of-way and boundary lines were the last deed of record, recorded surveys and plats obtained from the Office of the respective County Recorder as well as information regarding section corner and lines from the respective County Surveyor's Office. The professional surveyor responsible for any right-of-way engineering for this proposed project shall complete the final determination of this information. The locations of any easements shown hereon are based on those referenced in the last deed of record available at the respective County Recorder's Office. Any easements shown shall not be considered to represent all possible easements which could be recovered by a complete title search.

ALIGNMENT:

Line "A" was established along the Section line between Sections 20 and 29, and between the Section line of Sections 21 and 28.

STATIONING:

Station 15+00 along Line "A" was determined at the common corner between Sections 20, 21, 28, and 29.

EVIDENCE OF POSSESSION:

10110 A rebar was found along the west line of the northeast quarter of the northeast quarter of section 29, 0.3' below grade.
1187 A concrete post was found along the east line of the northeast quarter of section 29 approx. 40.5 feet south of the northeast corner of section 29.
10100 A cut "X" was found on top of a concrete post found along the south line of the northwest quarter of section 28

ESTABLISHMENT OF USPLS CORNERS:

10115 Alum. Disk was found at the northwest corner of section 29 per Jasper Co. section corner ties.
10114 Rebar was found at the southwest corner of the northwest quarter of section 29 per Jasper county section corner ties.
10101 Alum Disk was found at the southeast corner of the southwest quarter of the northeast quarter of section 28 per Jasper county section corner ties.
10117 Railroad spike was found at the northeast corner of section 28 per Jasper county section corner ties.
10111 A rebar was found flush at the southwest corner of the southeast quarter of the northeast quarter of section 29.
10108 A bent rebar was found at the center of section 20.
10109 A rebar was found flush at the northwest corner of the southeast quarter of the southeast quarter of section 20.
10102 A railroad spike was found at the center of section 21, 0.30' below grade.

EXISTING RIGHT-OF-WAY:

Right-of-way plans for this area of State Road 14 were requested from INDOT Indianapolis. Plans were provided for a project west of this site. (Proj. 4327). No plans could be found for the area of this project. A call was also made to INDOT La Porte district requesting plans for this area, however no response was given. Therefore the existing right-of-way for the project area is the existing travel way.

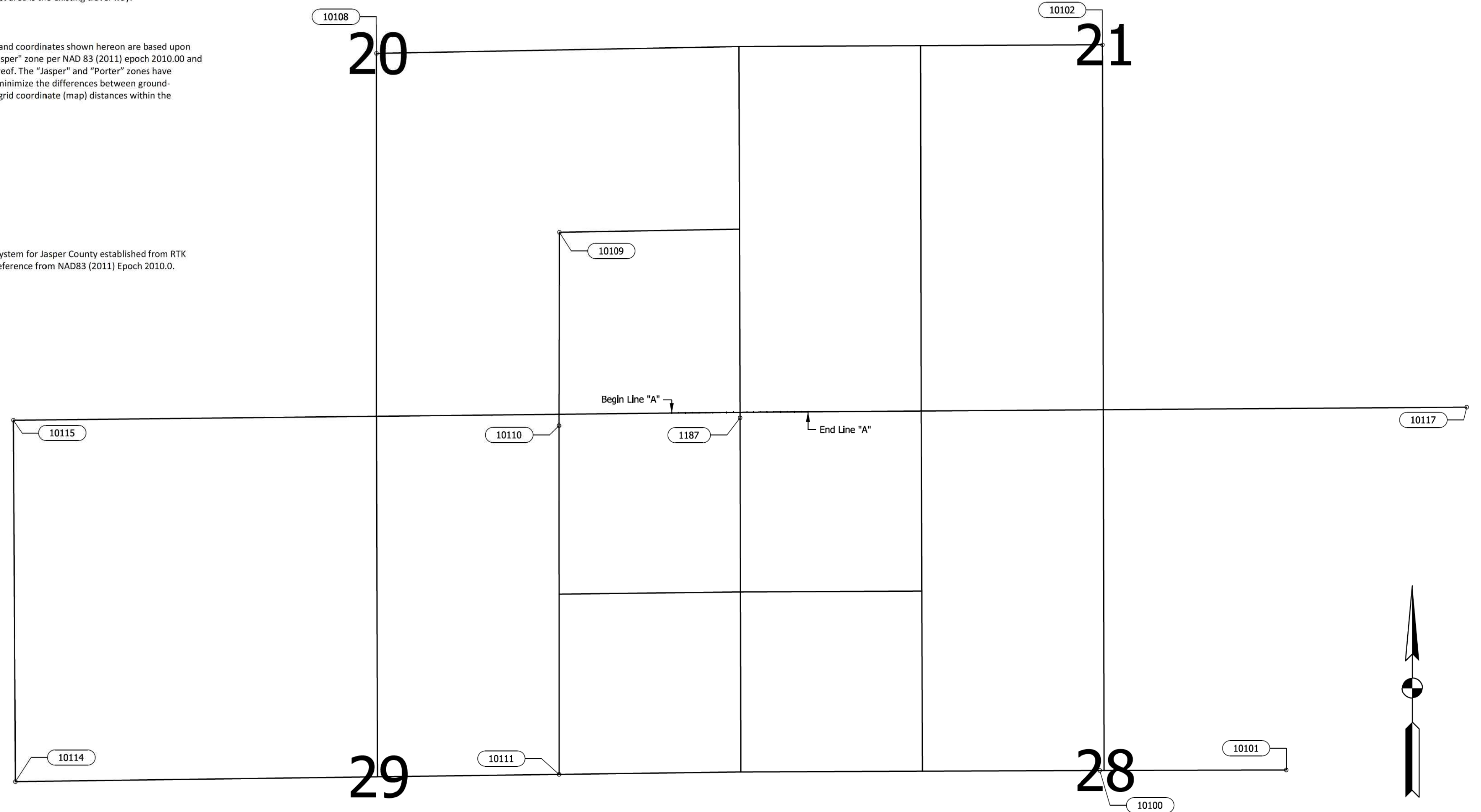
NOTES:

Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based upon the Indiana Geospatial Coordinate System's (InGCS) "Jasper" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Jasper" and "Porter" zones have identical parameters. These zones were developed to minimize the differences between ground-measured horizontal distances and the corresponding grid coordinate (map) distances within the counties bearing these zones' names.

InGCS "Jasper" and "Porter" Zone Parameters
Geometric Datum: NAD 83(2011) epoch 2010.00
Projection Type: Transverse Mercator
Central Meridian: 87°06'00" west longitude
Central Meridian scale factor: 1.000027
Latitude of Grid Origin: 40°42'00" north latitude
False Northing: 36,000,000 m (118,110.00 U.S.Ft)
False Easting: 240,000,000 m (787,400.00 U.S.Ft)

Bearings are based on Indiana Geospatial Coordinate System for Jasper County established from RTK GPS observations from the inCORS network with base reference from NAD83 (2011) Epoch 2010.0.

Distance units are U.S. Survey Feet.



Model: Plat_02 3/8/2019 5:03:32 AM User: JReddy

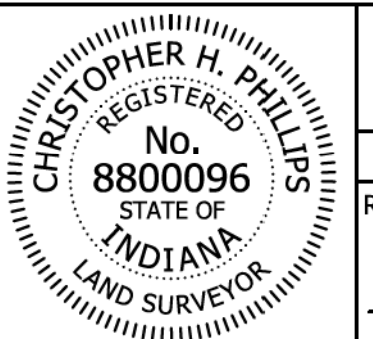
SURVEY STARTED	
AUGUST 29, 2018	
SURVEY COMPLETED	
DECEMBER 5, 2018	
ROUTE PLAT SHEETS	
2	of 2

Plat Prepared By:

SJCA
ENGINEERS & SURVEYORS
9102 North Meridian Street, Suite 200,
Indianapolis, IN 46260
Phone: (317) 566-0629
E-mail: sjca@sjca-pc.com

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF TITLE 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.
CHRISTOPHER H. PHILLIPS

CHECKED BY: SAD

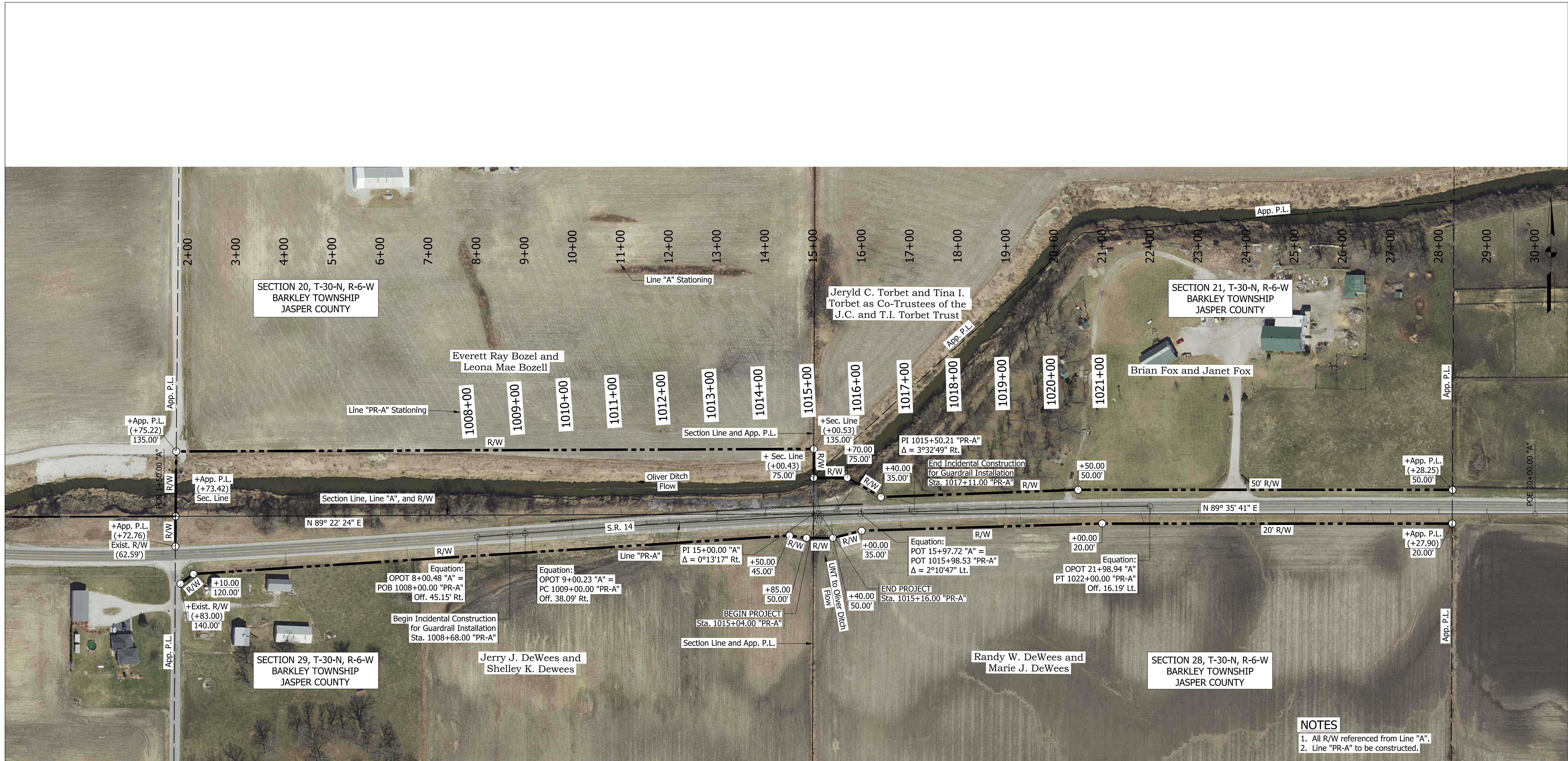
RECOMMENDED FOR APPROVAL AND PREPARED BY: CHRISTOPHER H. PHILLIPS

Chris Phillips
REGISTERED LAND SURVEYOR, FIELD DATE: 2/14/2019

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY

HORIZONTAL SCALE	BRIDGE FILE
NOT TO SCALE	N/A
COUNTY	DESIGNATION
JASPER	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 19
CONTRACT	PROJECT
B-42245	1700123



- NOTES**
1. All R/W referenced from Line "A".
 2. Line "PR-A" to be constructed.

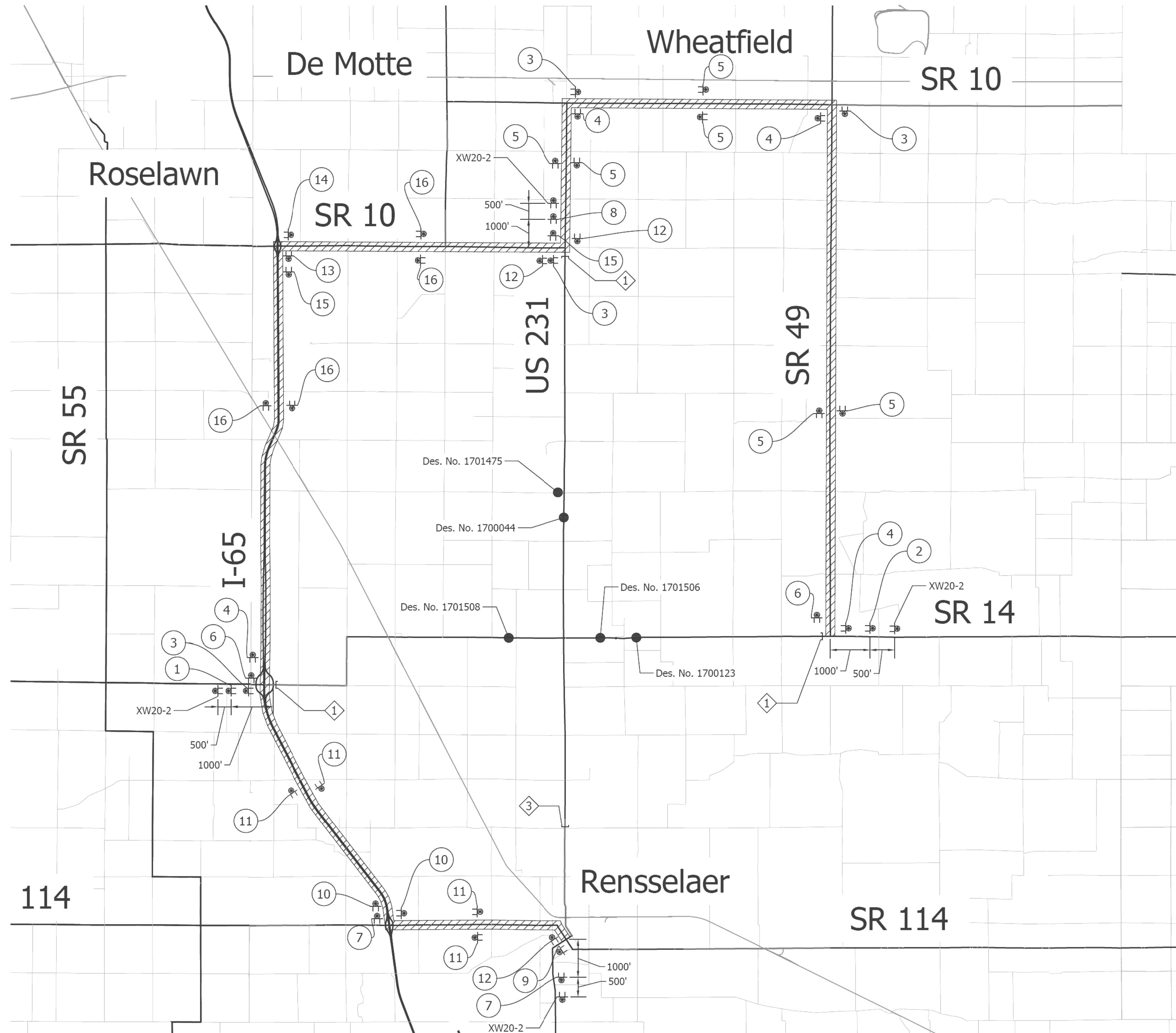
Model: RW Site Plan
4/30/2020 1:37:02 PM User: Alckes

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: KCH	DRAWN: KCH	
CHECKED: MDP	CHECKED: MDP	

INDIANA
DEPARTMENT OF TRANSPORTATION

R/W SITE PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 19
CONTRACT	PROJECT
B-42245	1700123



CONSTRUCTION SIGN SCHEDULE				
SIGN. NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	10
R11-4	"ROAD CLOSED TO THRU TRAFFIC" SIGN	60 x 30	(1)	14
XM4-10(L OR R)	"DETOUR" SIGN	48 x 18	(1)	8
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	4
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	20
TOTAL TYPE "A" SIGNS				24

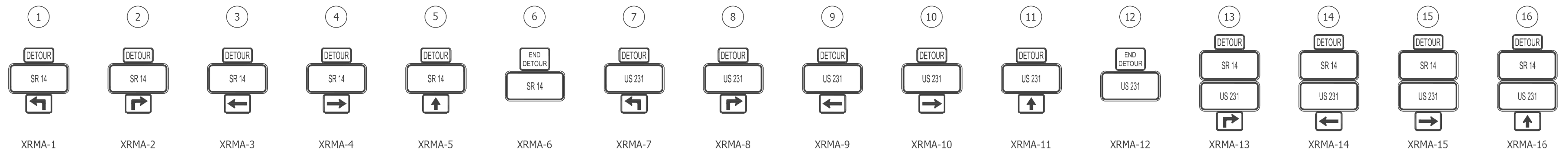
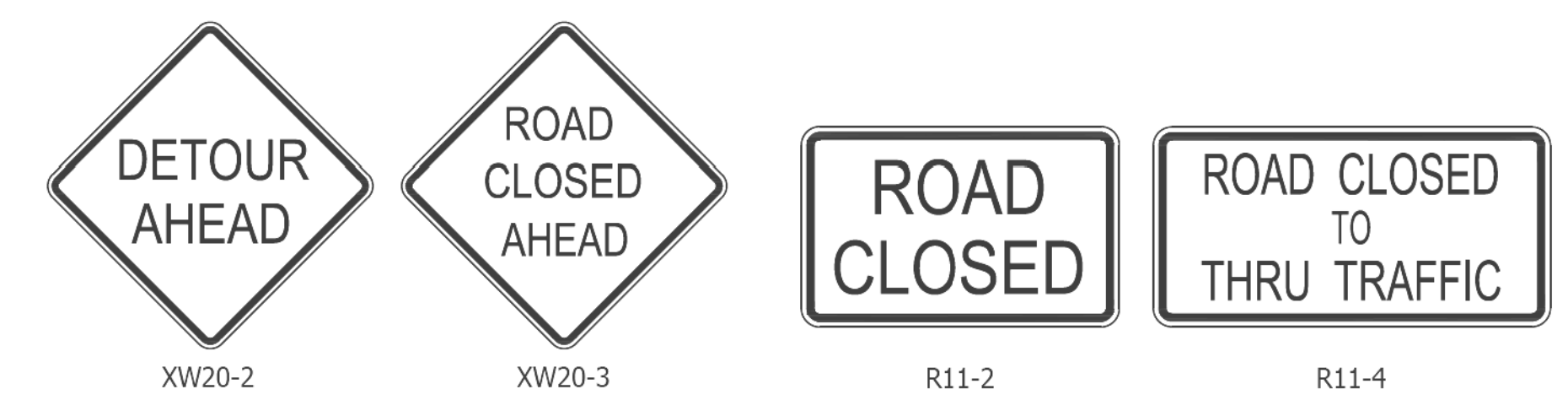
Detour Route Marker Assemblies: 39 Req'd
 Road Closure Sign Assemblies: 14 Req'd
 Type III-A Barricades: 270 Lft.
 Type III-B Barricades: 108 Lft.

(1) Included with road closure sign assembly.

*Signs and barricades local to each Des. No. can be found in their respective plans. These are included in the above totals.

LEGEND

- 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
- ③ ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-B BARRICADE (12 LFT.) AND R11-4 SIGN
- ▨ DETOUR ROUTE



GENERAL NOTES

1. All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
2. See INDOT Std. Dwg. 801-TCDDT-02 for sign spacing requirements and additional notes.
3. See INDOT Std. Dwg. 801-TCLG-02 for standard notes.
4. The cost of R11-2 and R11-4 shall be included in the cost of the road closure sign assembly.
5. 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.

NOTE: FOR REFERENCE ONLY

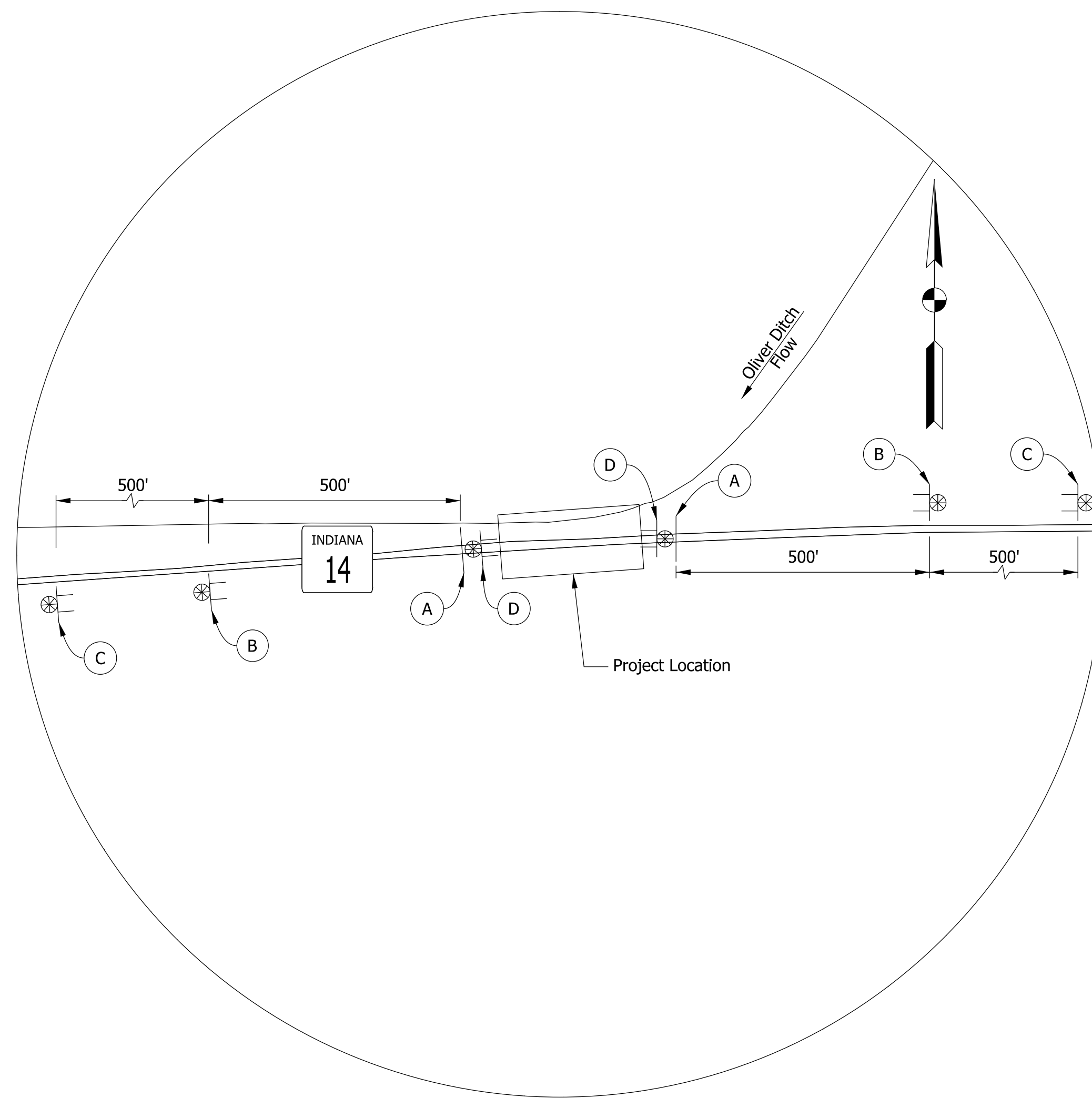
(Quantities to be Included in Des. No. 1701506)

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

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE	BRIDGE FILE
Not to Scale	N/A
VERTICAL SCALE	DESIGNATION
N/A	1701506
SURVEY BOOK	SHEET
ELECTRONIC	8 of 19
CONTRACT	PROJECT
B-42245	1701506



DES NO. 1700123 DETAIL
Scale: 1" = 200'

LEGEND

- (A) TYPE III-A BARRICADES - 36 LFT REQUIRED
- (B) "ROAD CLOSED 500 FT." - XW20-3
- (C) "ROAD CLOSED 1000 FT." - XW20-3
- (D) ROAD CLOSURE SIGN ASSEMBLY WITH "ROAD CLOSED" - R11-2
- ⊗ SIGN ASSEMBLY

ESTIMATED QUANTITIES		
DESCRIPTION	UNIT	TOTAL
CONSTRUCTION SIGN, A	EACH	4
ROAD CLOSURE SIGN ASSEMBLY	EACH	2
TYPE III-A BARRICADES	LFT	72

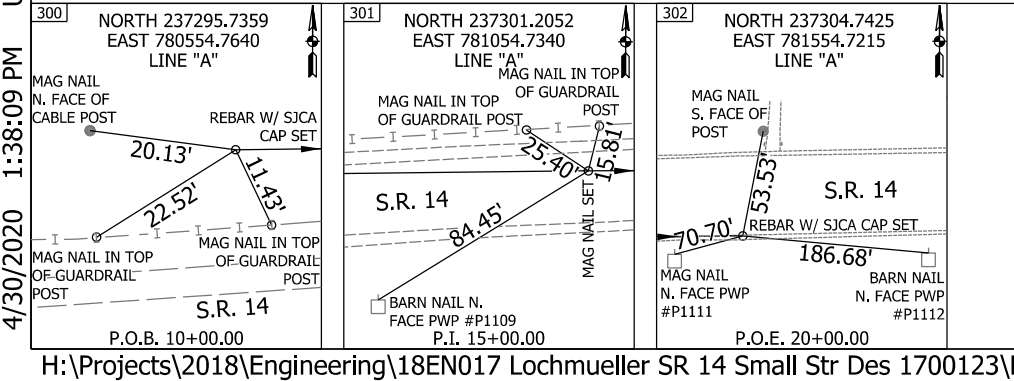
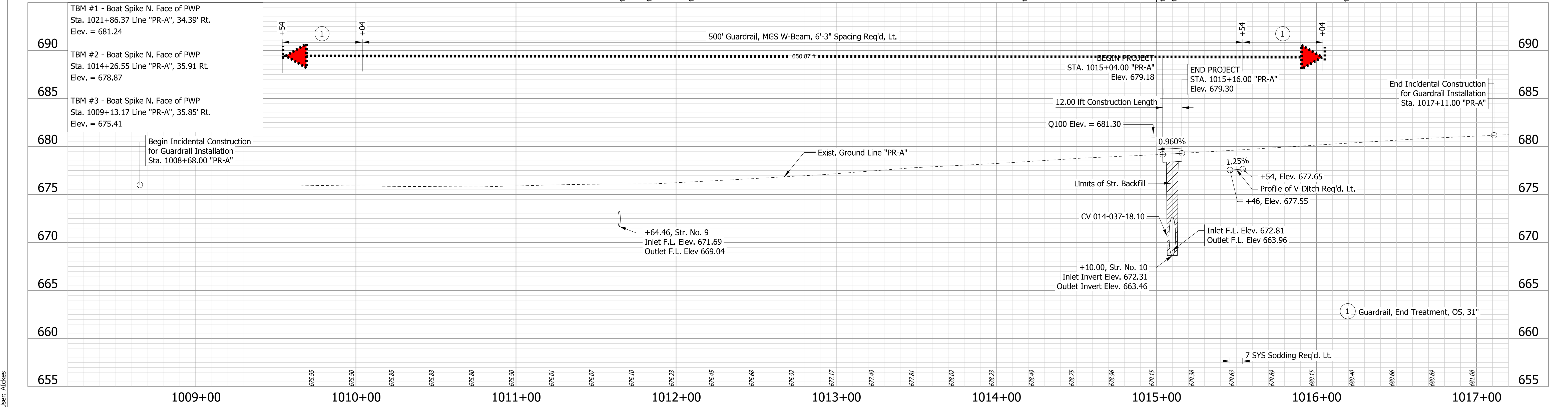
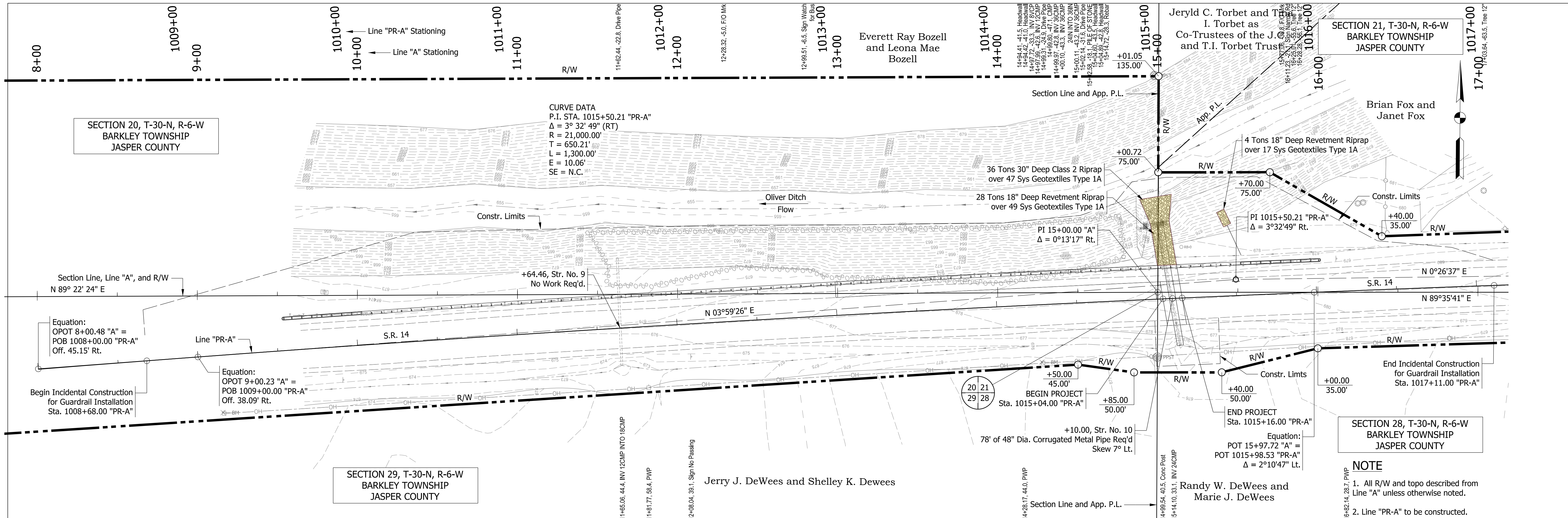
TWO ROAD CLOSURE NOTICE SIGNS XG20-5 REQUIRED (ONE AT EACH END) PLACED AT SITE A MINIMUM OF 10 DAYS PRIOR TO ROAD CLOSURE

NOTES

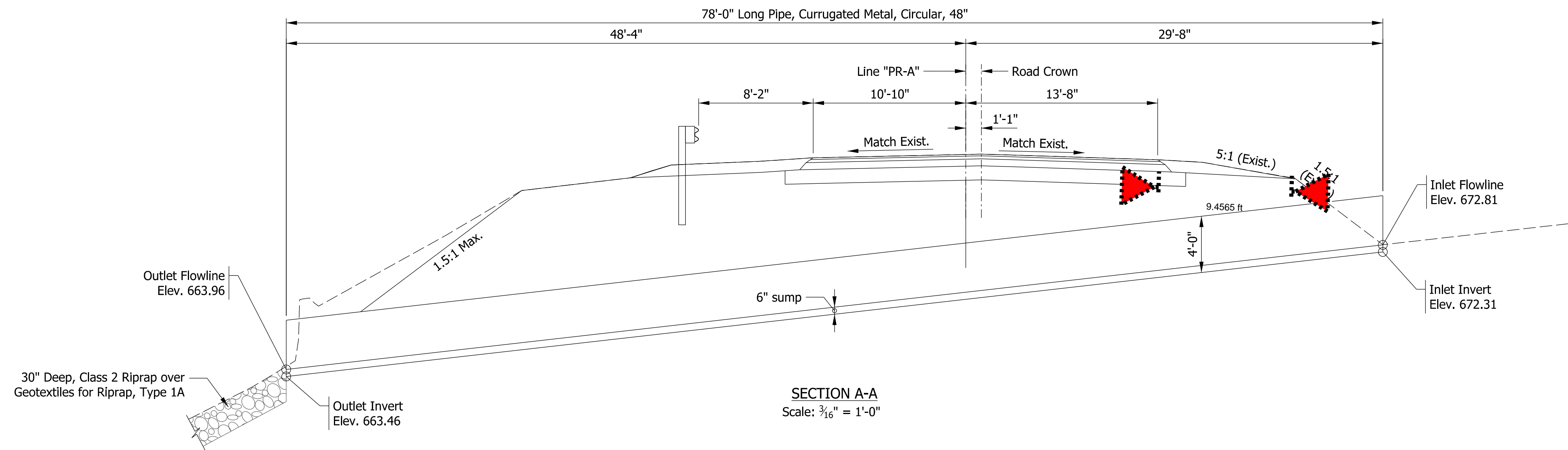
1. REFER TO DES. NO. 1701506 FOR FULL DETOUR ROUTE
2. QUANTITIES INCLUDED WITH DES. NO. 1701506
3. DETOUR ROUTE MARKER ASSEMBLIES SHALL BE IN ACCORDANCE WITH STANDARD DRAWING 801-TCDT-04.
4. TYPE B CONSTRUCTION WARNING LIGHTS SHALL BE USED WITH ALL SIGNS LOCATED ON BARRICADES.
5. TYPE A CONSTRUCTION WARNING LIGHTS SHALL BE USED ON ALL OTHER CONSTRUCTION SIGNS.
6. ACCESS TO PROPERTY OWNERS SHALL BE PROVIDED DURING CONSTRUCTION.

Model: Detail Sheet
4/30/2020 1:37:55 PM User: ALckes

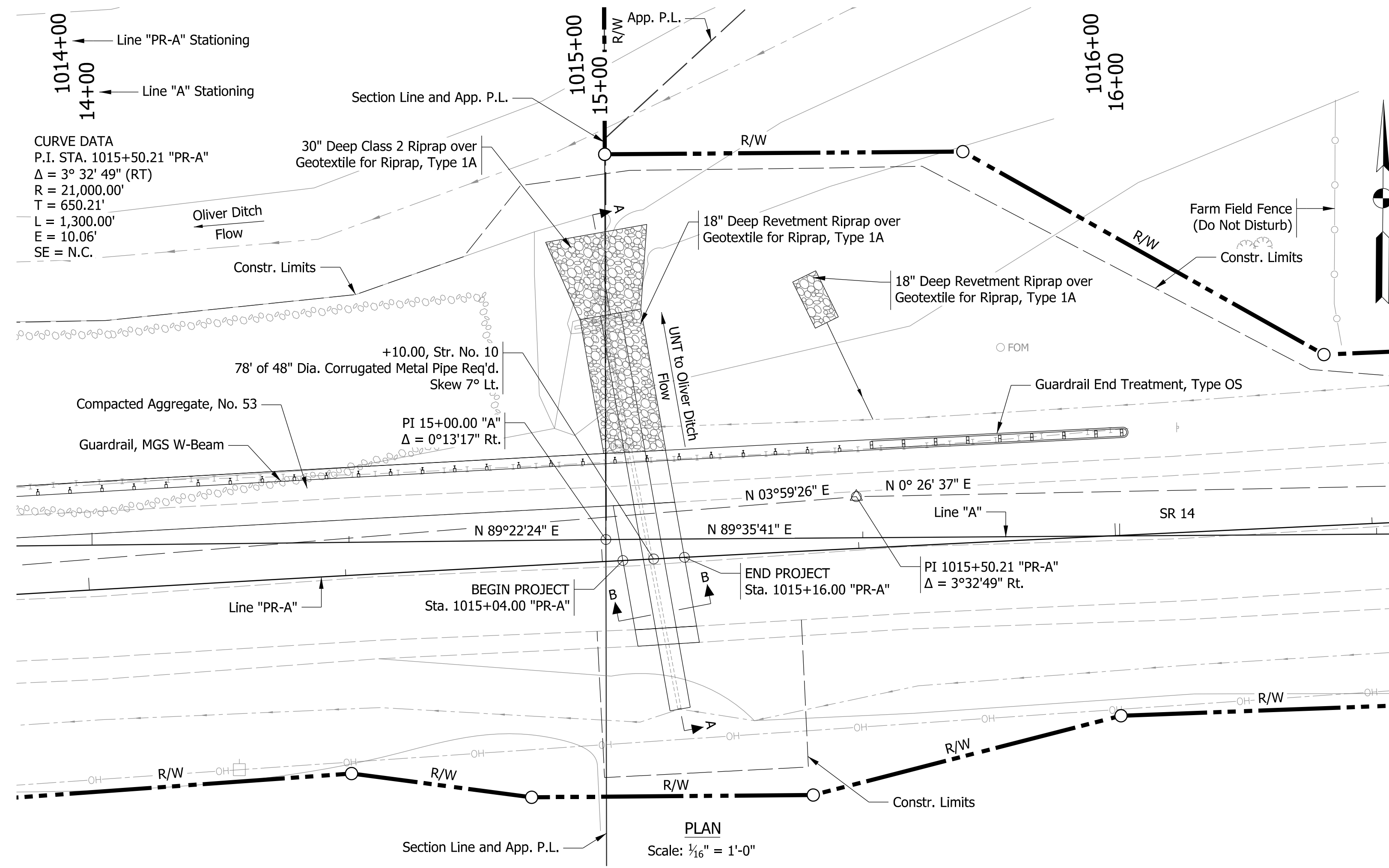
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE AS NOTED	BRIDGE FILE N/A
	MAINTENANCE OF TRAFFIC		VERTICAL SCALE N/A	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC			SHEETS 9 of 19	
DESIGNED: _____ MDP DRAWN: _____ PFC	CHECKED: _____ AMG CHECKED: _____ MDP	CONTRACT B-42245		PROJECT 1700123



RECOMMENDED FOR APPROVAL DESIGN ENGINEER: _____ DATE: _____ DRAWN: PFC CHECKED: MDP		INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE LINE "PR-A"		HORIZONTAL SCALE 1" = 30' VERTICAL SCALE 1" = 5' SURVEY BOOK ELECTRONIC CONTRACT B-42245	BRIDGE FILE N/A DESIGNATION 1700123 SHEETS 10 of 19 PROJECT 1700123
--	--	---	--	---	--



SECTION A-A
Scale: 3/16" = 1'-0"



PLAN
Scale: 1/16" = 1'-0"

EXISTING STRUCTURE

The existing structure is a CMP with varying diameter that is approximately 78' long. The diameter is 24" at the inlet and 36" at the outlet.

SUMMARY OF QUANTITIES

Structure Backfill, Type 2 = 55 CYS

GENERAL NOTES

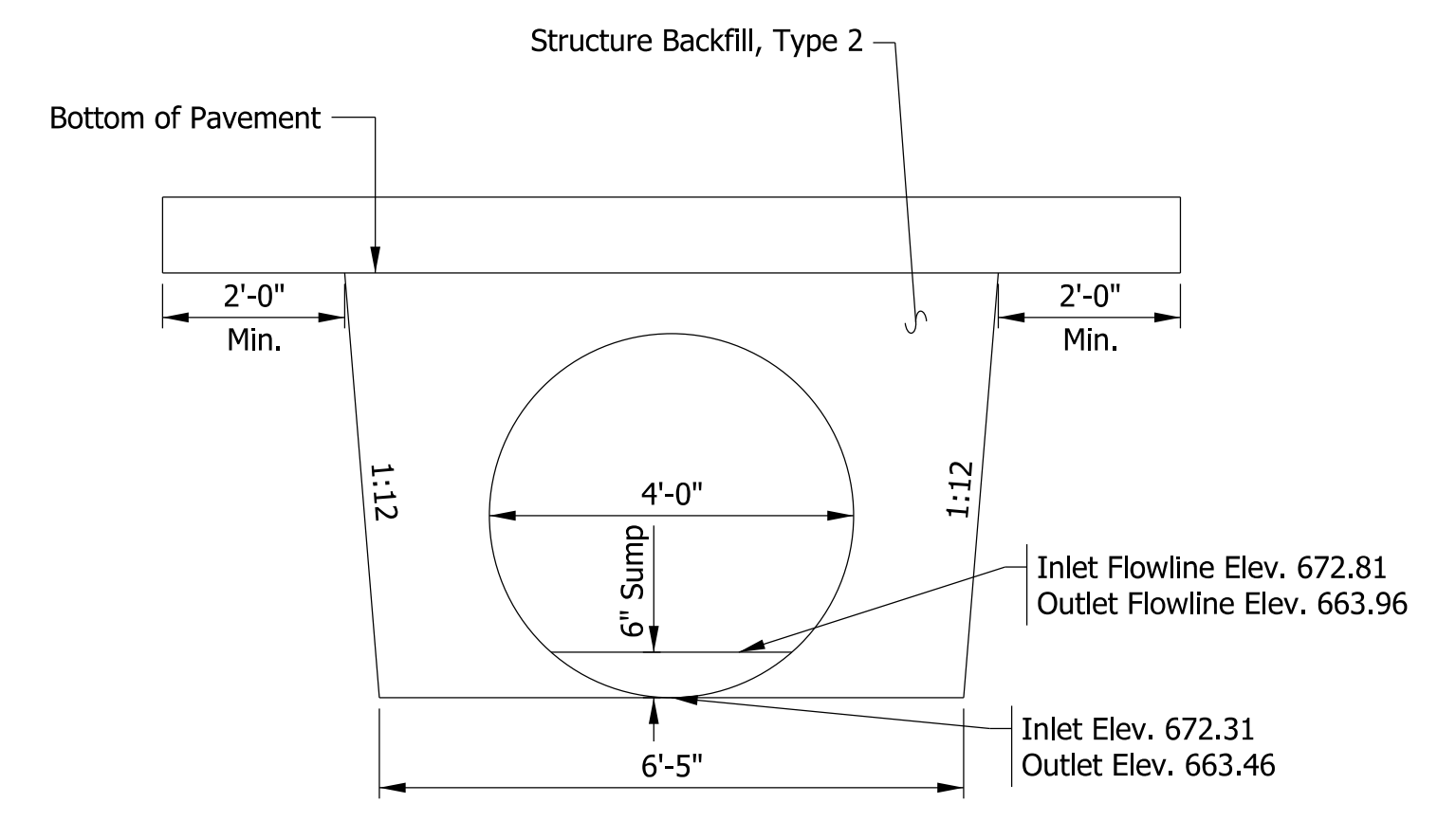
All dimensions are in feet (ft.) except as noted.

Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

HYDRAULIC DATA

Waterway Opening Required	3.14 sq ft
Waterway Opening Provided	12.57 sq ft
Drainage Area	0.17 sq mi
Design Discharge, Q100	58.1 cfs
Velocity	11.80 ft/s
Q100 Elev.	681.3 ft
Estimated Scour Elev.	- ft
Backwater at Q100	1.74 ft
Existing Waterway Opening	3.14 sq ft
Existing Backwater	3.66 ft
Low Structure Elev.	673.81 ft
Existing Low Structure Elev.	674.81 ft

NOTE: Contractor shall verify the existing flowline elevation to set the appropriate sump depth.



SECTION B-B
Scale: 1/2" = 1'-0"

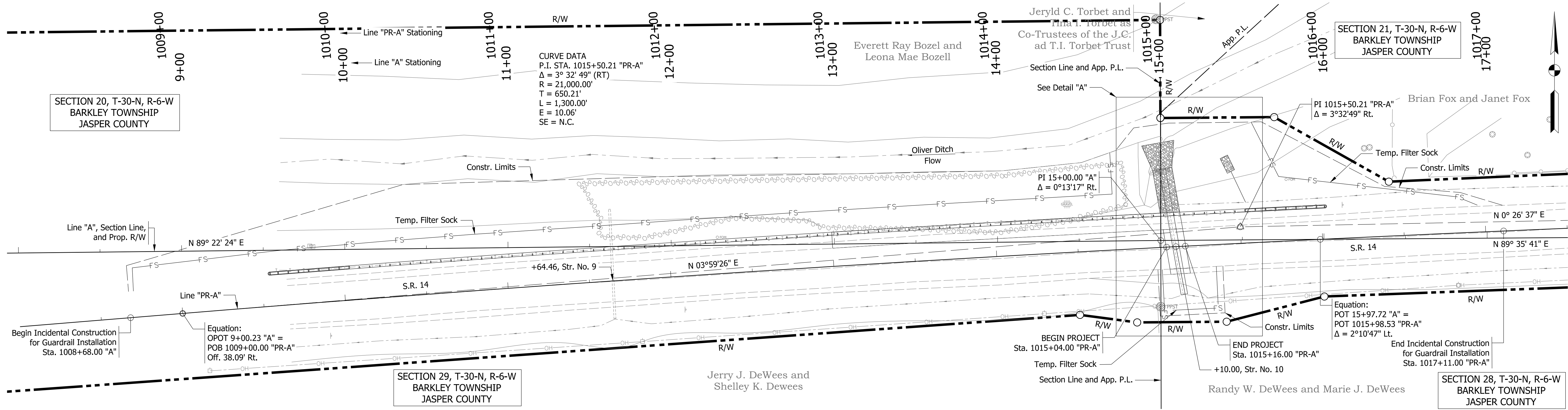
CORRUGATED METAL PIPE STRUCTURE
4'-0" Ø, 78'-0" LONG, 7° SKEW LT.
S.R. 14 OVER UNT TO OLIVER DITCH
JASPER COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDP	DRAWN: PFC	
CHECKED: AMG	CHECKED: MDP	

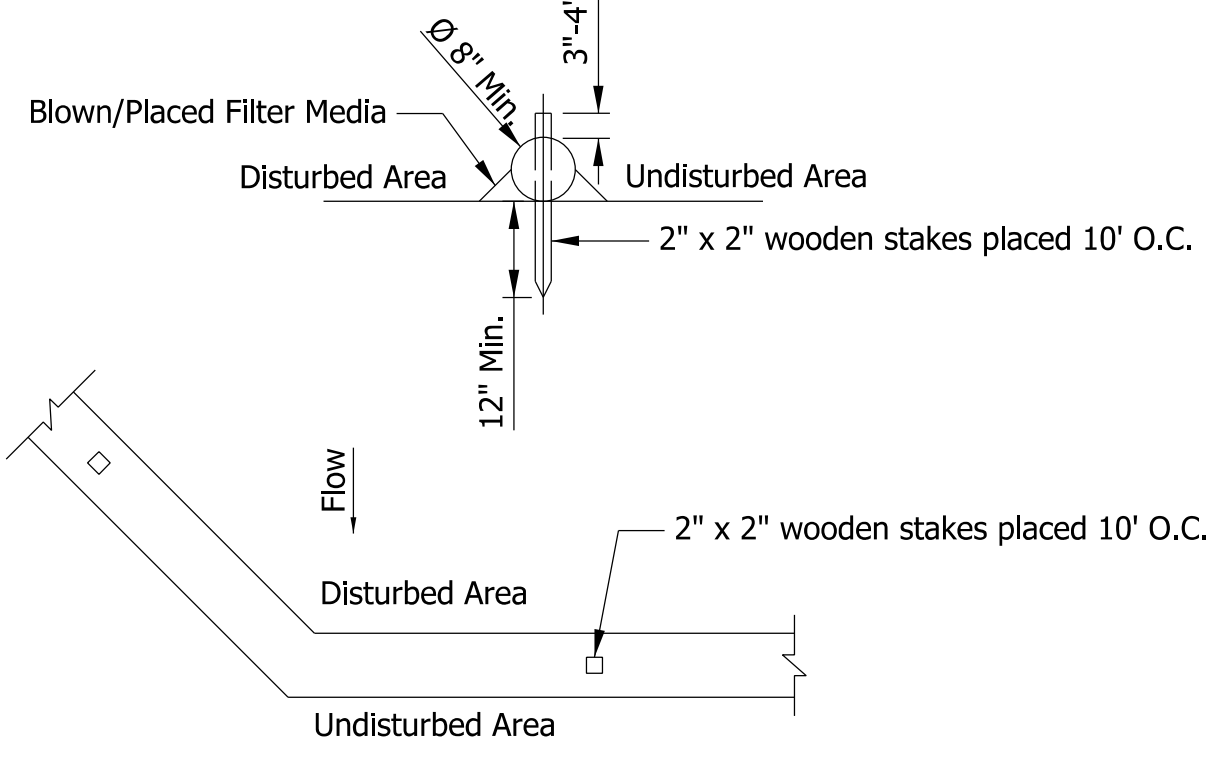
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

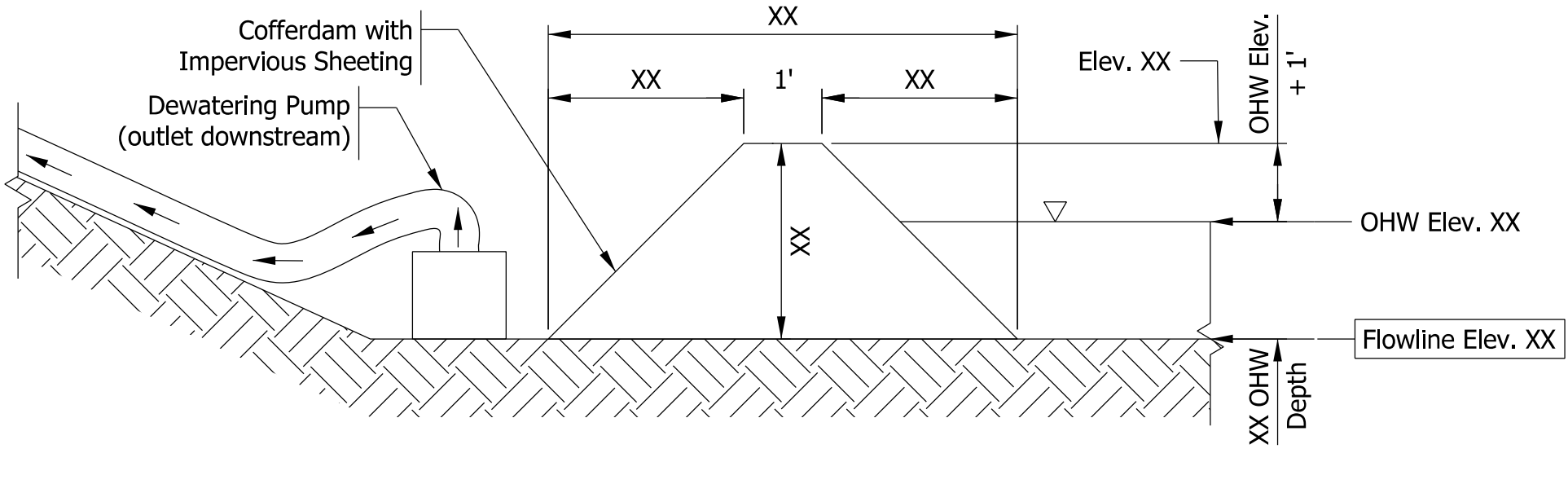
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 19
CONTRACT	PROJECT
B-42245	1700123



PLAN
Scale: 1" = 30'

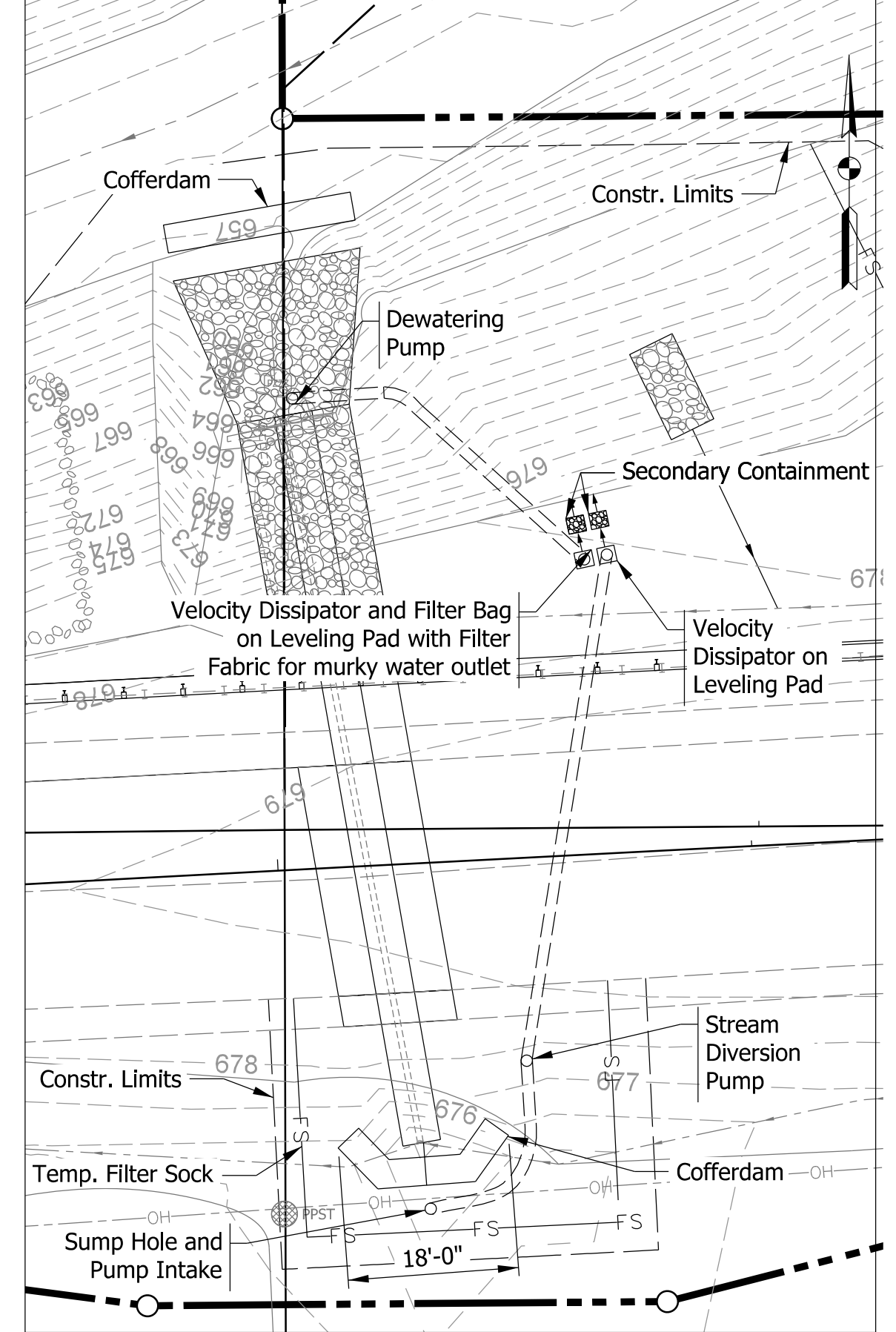


FILTER SOCK DETAIL
Not to Scale



DEWATERING / WORK AREA
Not to Scale

TEMPORARY EROSION CONTROL TABLE														
STATION	LOCATION			TEMPORARY FILTER SOCK	SEDIMENT TRAP	SEDIMENT BASIN	SLOPE DRAIN	SEDIMENT REMOVE	TEMPORARY CHECK DAM, TRAVERSABLE	TEMPORARY CHECK DAM, REVETMENT RIPRAP	DITCH INLET PROTECTION	NO. 2 STONE	REMARKS	
	LEFT	MEDIAN	RIGHT											LFT
LINE "PR-A"														
1008+71 - 1014+75	X			642				32.1						
1015+01 - 1015+34		X		84				4.2						
1015+60 - 1016+96	X			161				8.05						
Construction Entrances												100		
Totals				887				44.4				100		



DETAIL "A"
Scale: 1" = 15'

- NOTES**
- Any areas in addition to those called out, left undisturbed for a period exceeding 7 days shall be required to have temporary seeding.
 - All disturbed areas shall be permanently seeded in accordance with INDOT standard specifications as soon as possible upon completion of work in that area.
 - Cofferdams are to be made of sandbags or other non-erodible material.

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: _____ MDP DRAWN: _____ MDP

CHECKED: _____ AMG CHECKED: _____ AMG

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

HORIZONTAL SCALE AS NOTED	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 12 of 19
CONTRACT B-42245	PROJECT 1700123

PAVEMENT QUANTITIES AND APPROACH TABLE																																						
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADIUS	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES				HMA MATERIALS				SUBGRADE TREATMENT, TYPE IC	SEAL COAT TYPE 5	HMA MATERIAL FOR:		COMPACTED AGGREGATE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73		JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	REMARKS					
						COMPACTED AGGREGATE BASE	HMA	CONCRETE				LBS. PER SYD.				LBS. PER SYD.						PRIME COAT	TACK COAT	DEPTH				DEPTH										
												1	2	3	4	CUT	FILL	165	275					660	10 IN.	DEPTH	DEPTH											
						FT	FT	FT				FT	FT	FT	FT	FT	FT	FT	FT			FT	FT	FT	FT	FT	FT	FT	FT					FT	FT	FT	FT	FT
1013+00 TO 1015+04	Main Line																																					
1015+04 TO 1015+16	Main Line																																					
1015+16 TO 1017+11	Main Line																																					
TOTALS																																						

STRUCTURE DATA																																					
STRUCTURE NUMBER	LOCATION				DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH LFT	VIDEO INSPECTION LENGTH LFT	SKEW	FLOW LINE				SERVICE LIFE YRS	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL		CONCRETE PIPE ANCHOR EACH	GEOTEXTILE FOR RIPRAP, TYPE 1A SYS	RIPRAP, REVETMENT TON	RIPRAP, CLASS 2 TON	SCOUR PROTECTION			CONCRETE, CLASS A FOR STR. CYS	VIDEO INSPECTION CYS	PIPE END SECTION			CULVERT ASSET ID	CONNECT TO STR.	REMARKS				
	STATION	LEFT	RIGHT	CROSS					OFFSET FT	PIPE TYPE IN.	COVER LFT	UP STREAM ELEV.					DOWN STREAM ELEV.	TYPE					CYS	SUMP DEPTH IN.	GEOTEXTILE FOR RIPRAP, TYPE 2B SYS			RIPRAP TONS	TYPE	SLOPE				EA.			
																																			TYPE	CYS	EA.
9	1011+64.46			X																																	
10	1015+10.00			X	48	1																															

MONUMENT AND R/W MARKER TABLE							
STATION	OFFSET	MONUMENT					R/W MARKER
		A	B	C	D	SECTION CORNER	
1+73.42 "A"	0						1
1+75.22 "A"	135 Lt.						1
2+10.00 "A"	10 Rt.						1
14+50.00 "A"	45 Rt.						1
14+85.00 "A"	50 Rt.						1
15+00.72 "A"	75 Lt.						1
15+01.05 "A"	135 Rt.						1
1015+04.00 "PR-A"	0		1				
1015+16.00 "PR-A"	0		1				
15+40.00 "A"	50 Lt.						1
15+70.00 "A"	75 Rt.						1
16+00.00 "A"	35 Rt.						1
16+40.00 "A"	35 Lt.						1
20+50.00 "A"	50 Lt.						1
21+00.00 "A"	20 Rt.						1
28+28.25 "A"	50 Lt.						1
28+27.90 "A"	20 Rt.						1
TOTALS		0	2	0	0	0	15

PAVEMENT MARKINGS SUMMARY OF QUANTITIES													
LOCATION	LINE PAINT		LINE PAINT		TRANSVERSE MARKINGS PAINT STOP LINE		TRANSVERSE MARKINGS CROSSHATCH LINE		TRANSVERSE MARKINGS CROSSWALK LINE		PAVEMENT MESSAGE LANE INDICATION ARROW EACH	PAVEMENT MESSAGE WORD "ONLY" EACH	SNOWFLOWABLE RAISED PAVEMENT MARKERS EACH
	SOLID	SOLID	BROKEN	BROKEN	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID			
	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE			
	4 in	4 in	4 in	4 in	12 in	24 in	24 in	24 in	4 in	8 in			
	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft			
Sta. From	Sta. To												
1008+68	1012+00												
1008+68	1017+11		1,686		332		211						15
TOTALS			1,686		332		211						15

PAVED SIDE DITCH, RIPRAP DITCH, AND SODDING SUMMARY TABLE																																					
LOCATION		LEFT	MEDIAN	RIGHT	PAVED SIDE DITCH					RIPRAP DITCH			SODDING																								
FROM STATION	TO STATION				ACTUAL LENGTH	CUT OFF WALLS (8' EQUIV. LENGTH EACH)	LUGS (8' EQUIV. LENGTH EACH)	TOTAL EQUIVALENT PAY LENGTHS					REVESTMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES FOR RIPRAP, TYPE 1A	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING	NURSERY SODDING FOR LAWNS															
								LFT	EACH	EACH	LFT	LFT											LFT	LFT	LFT	LFT	TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS		
1015+46	1015+54	X																																			
TOTAL																																					

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE _____

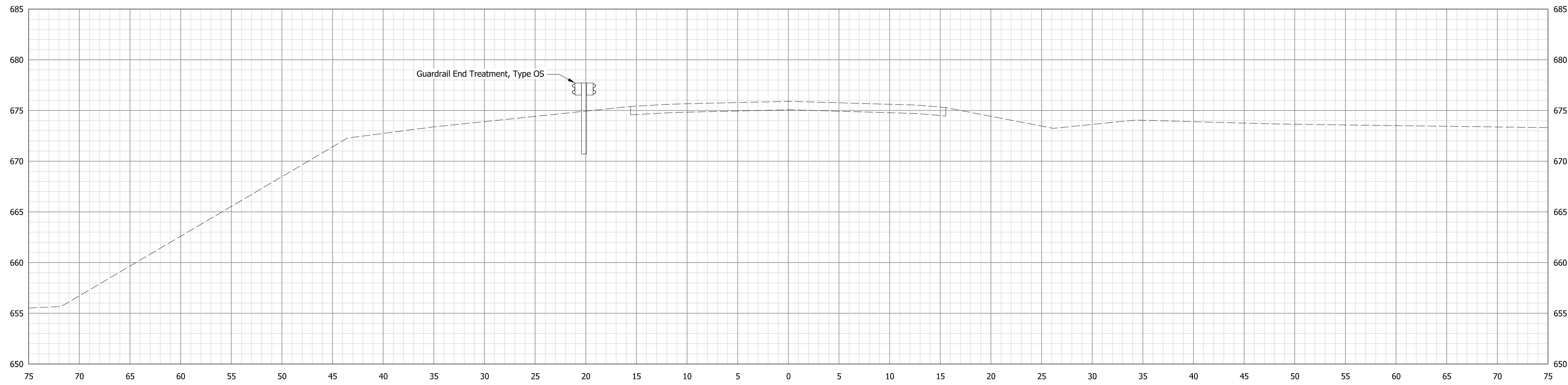
DESIGNED: _____ ASI DRAWN: _____ ASI

CHECKED: _____ MDP CHECKED: _____ MDP

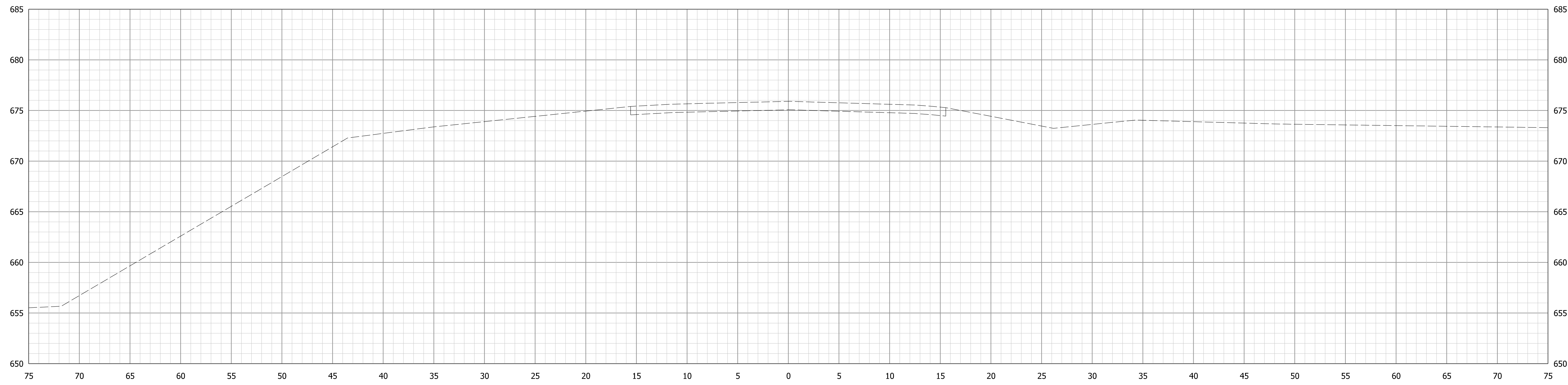
INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700123
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 19
CONTRACT	PROJECT
B-42245	1700123



1010+00.00 "PR-A"



1008+68.00 "PR-A"
BEGIN INCIDENTAL PROJECT

NOTE: Survey Unavailable at Sta. 1008+65.00. Cross Section Taken From Sta. 1010+00.00

Model: PRA1 4/30/2020 1:38:29 PM User: Alckes

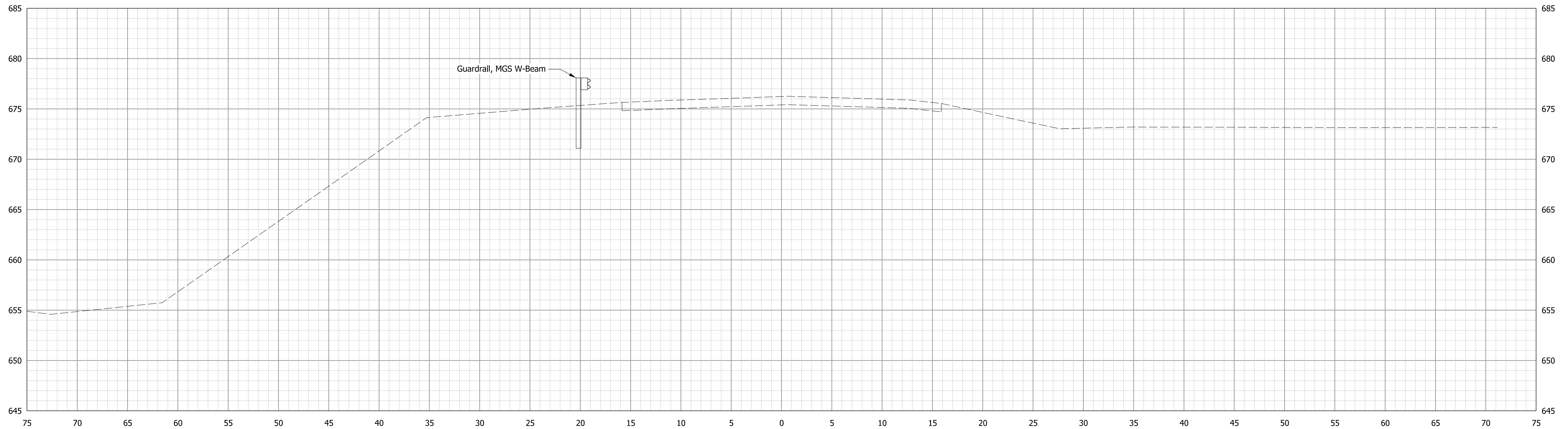
STA. 1010+00.00 "PR-A" TO STA. 1011+00.00 "PR-A"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

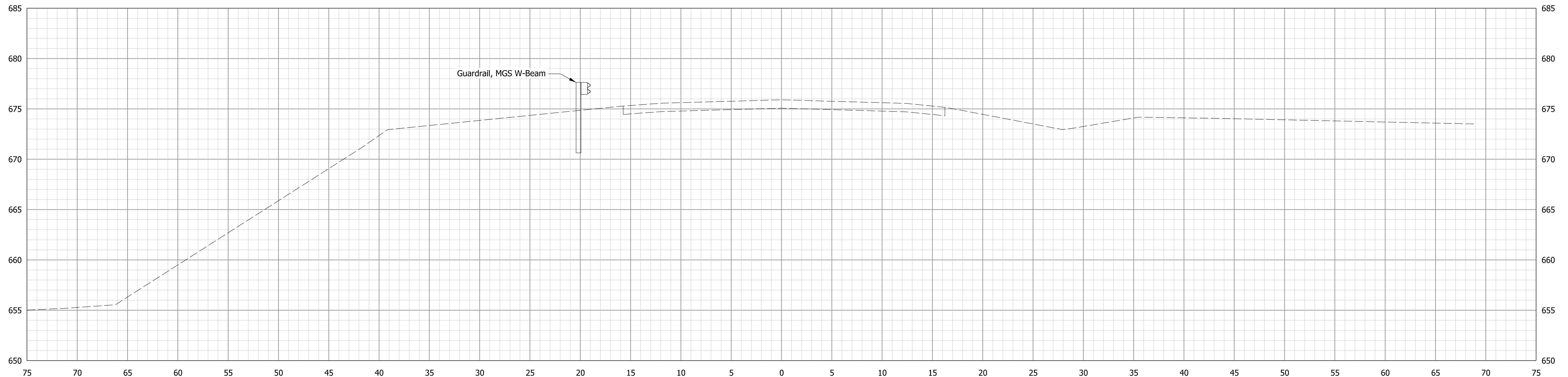
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 14 of 19
CONTRACT B-42245	PROJECT 1700123



1012+00.00 "PR-A"



1011+00.00 "PR-A"

Model: PRA1
4/30/2020 1:38:30 PM User: Alckes

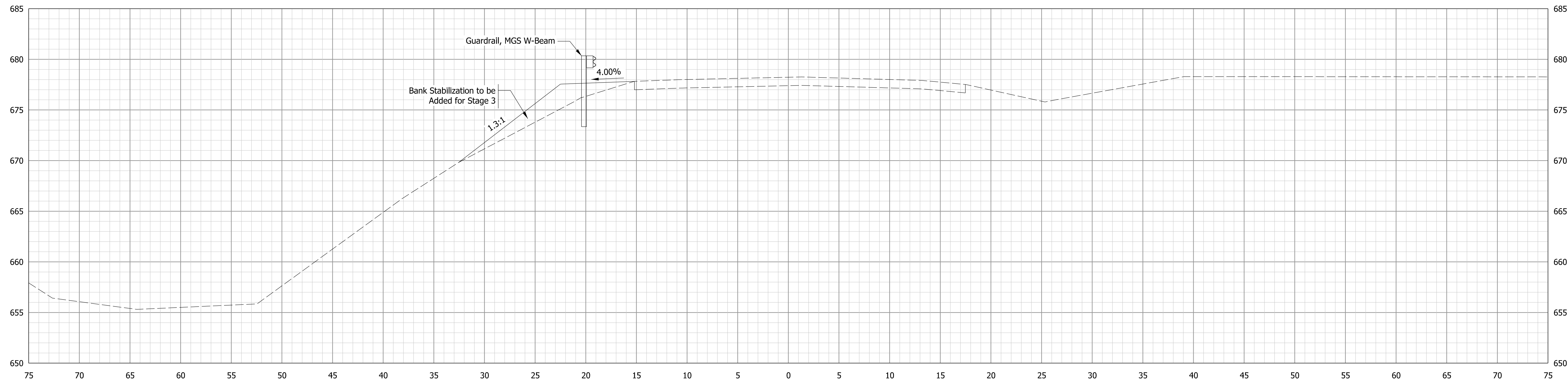
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

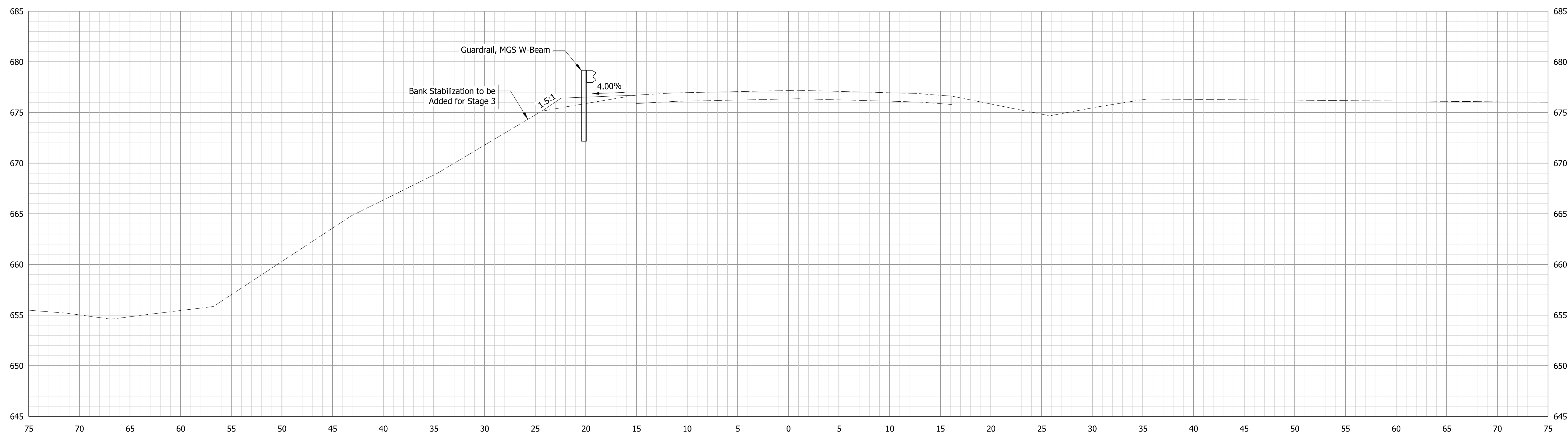
CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 15 of 19
CONTRACT B-42245	PROJECT 1700123

STA. 1011+64.00 "PR-A" TO STA. 1011+64.00 "PR-A"



1014+00.00 "PR-A"



1013+00.00 "PR-A"

Model: PRA1 4/30/2020 1:38:30 PM User: Alctes

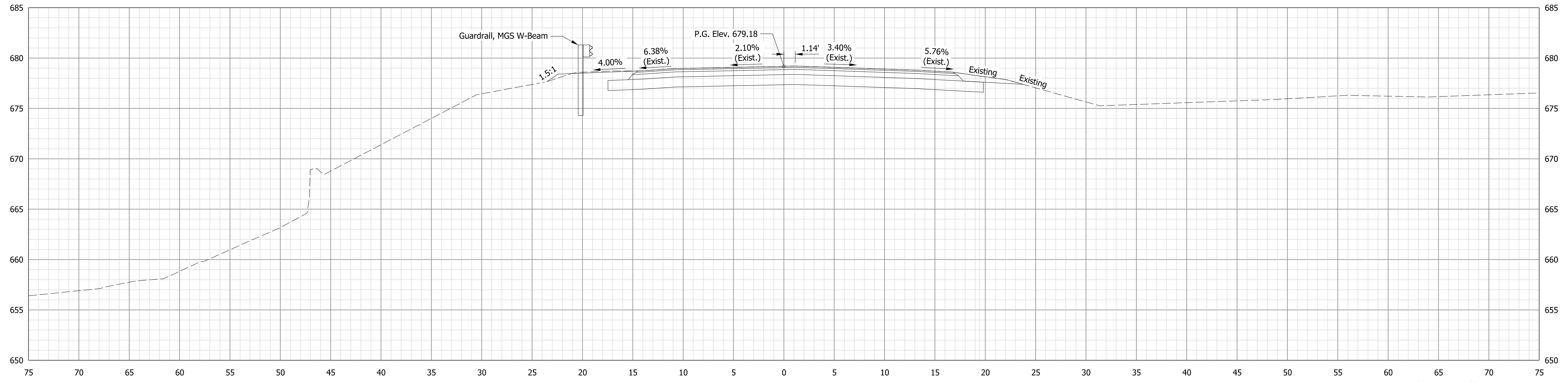
STA. 1012+00.00 "PR-A" TO STA. 1012+00.00 "PR-A"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

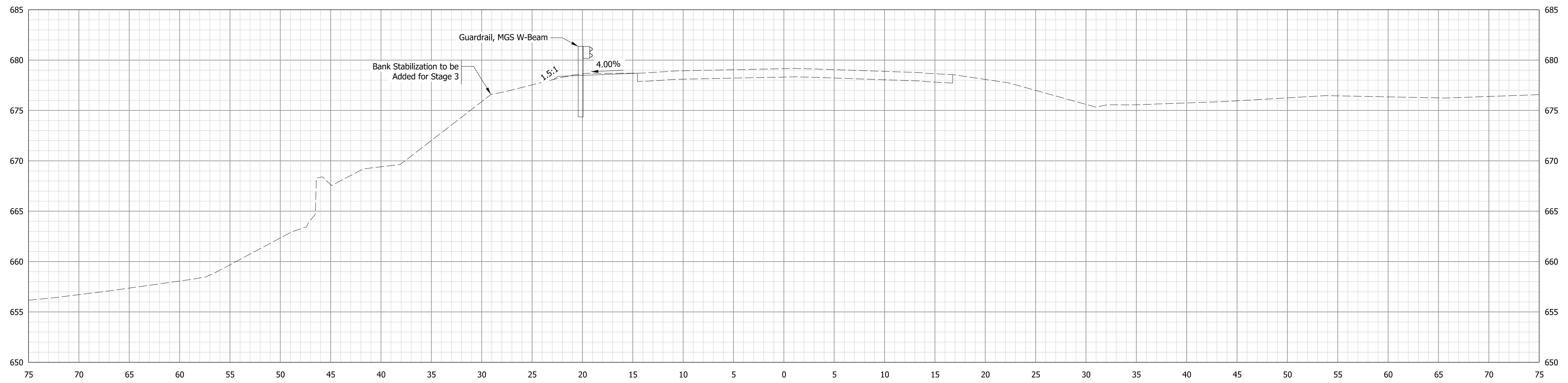
INDIANA
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
LINE "PR-A"**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 16 of 19
CONTRACT B-42245	PROJECT 1700123



1015+04.00 "PR-A"
BEGIN PROJECT



1015+00.00 "PR-A"

Model: PRA1
4/30/2020 1:38:31 PM User: Alctes

H:\Projects\2018\Engineering\18EN017 Lochmueller SR 14 Small Str Des 1700123\Drawings\Sheets\18EN017_XS-PRA.dgn

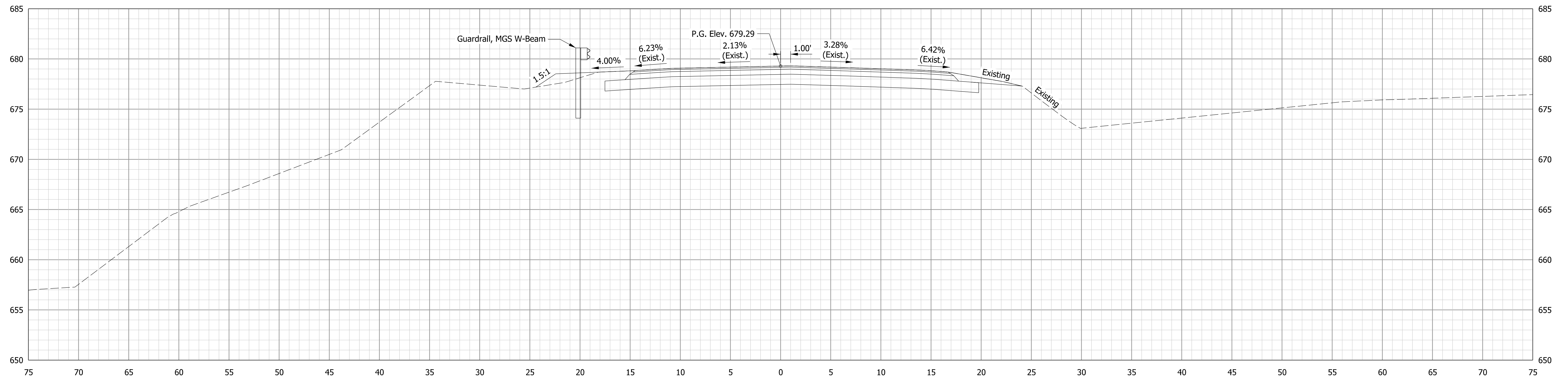
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

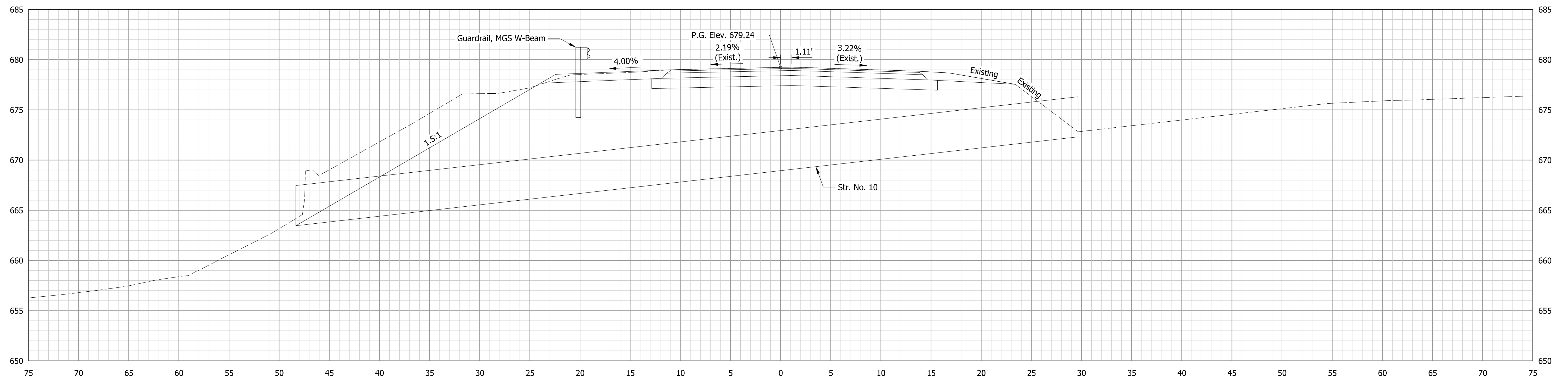
CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 17 of 19
CONTRACT B-42245	PROJECT 1700123

STA. 1013+00.00 "PR-A" TO STA. 1014+00.00 "PR-A"



1015+16.00"PR-A"
END PROJECT



RANGE PROFILE @ 1015+10.00 "PR-A"

Model: PRA1
4/30/2020 1:38:31 PM User: Alctes

H:\Projects\2018\Engineering\18EN017 Lochmueller SR 14 Small Str Des 1700123\Drawings\Sheets\18EN017_XS-PRA.dgn

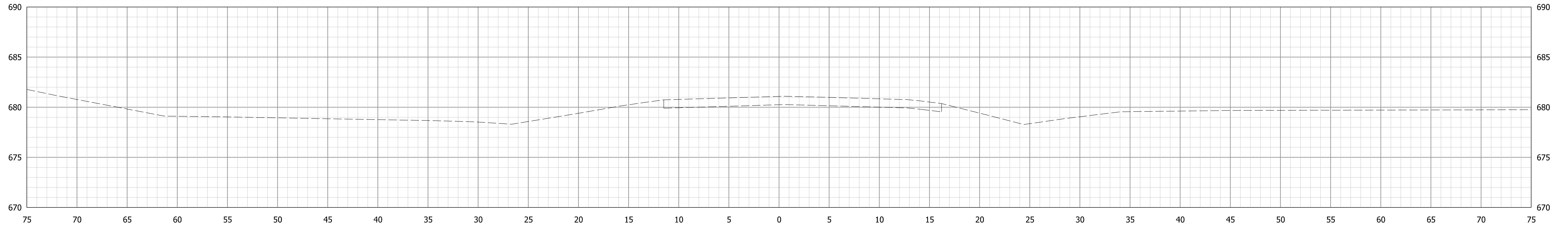
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

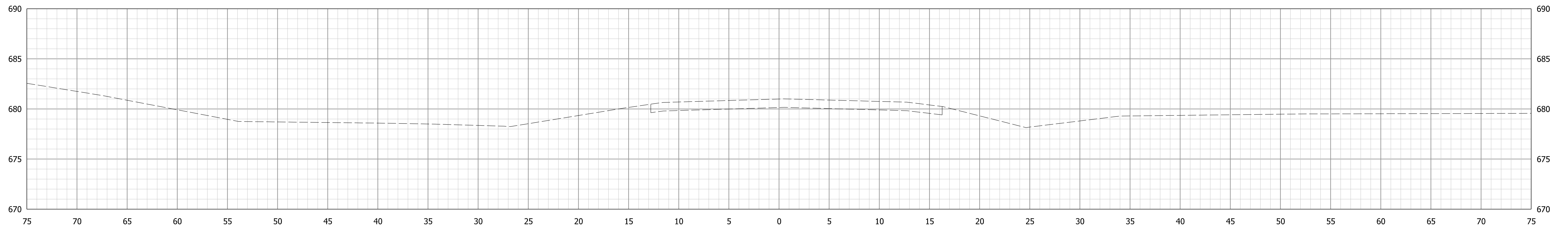
CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 18 of 19
CONTRACT B-42245	PROJECT 1700123

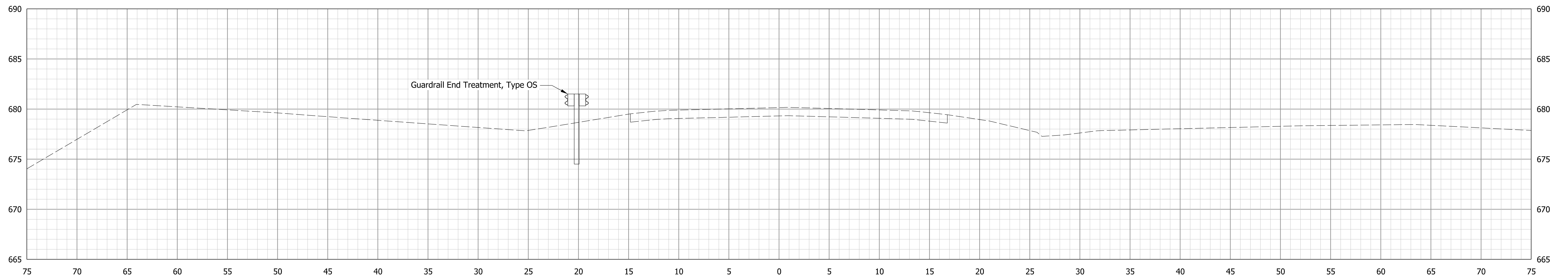
STA. 1015+00.00 "PR-A" TO STA. 1015+10.00 "PR-A"



1017+00.00 "PR-A"



1016+88.00 "PR-A"
END INCIDENTAL CONSTRUCTION



1016+00.00 "PR-A"

Model: PRA1
4/30/2020 1:38:31 PM User: Alctes

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MDP _____	DRAWN: _____ PFC _____	
CHECKED: _____ AMG _____	CHECKED: _____ MDP _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1700123
SURVEY BOOK ELECTRONIC	SHEETS 19 of 19
CONTRACT B-42245	PROJECT 1700123