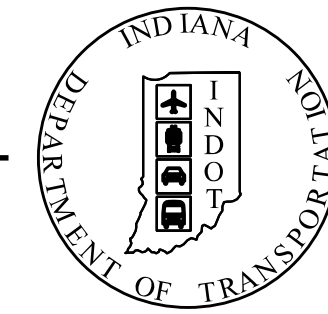


PROJECT	DESIGNATION
1800222	1800222
CONTRACT	
R-41553	

INDIANA DEPARTMENT OF TRANSPORTATION



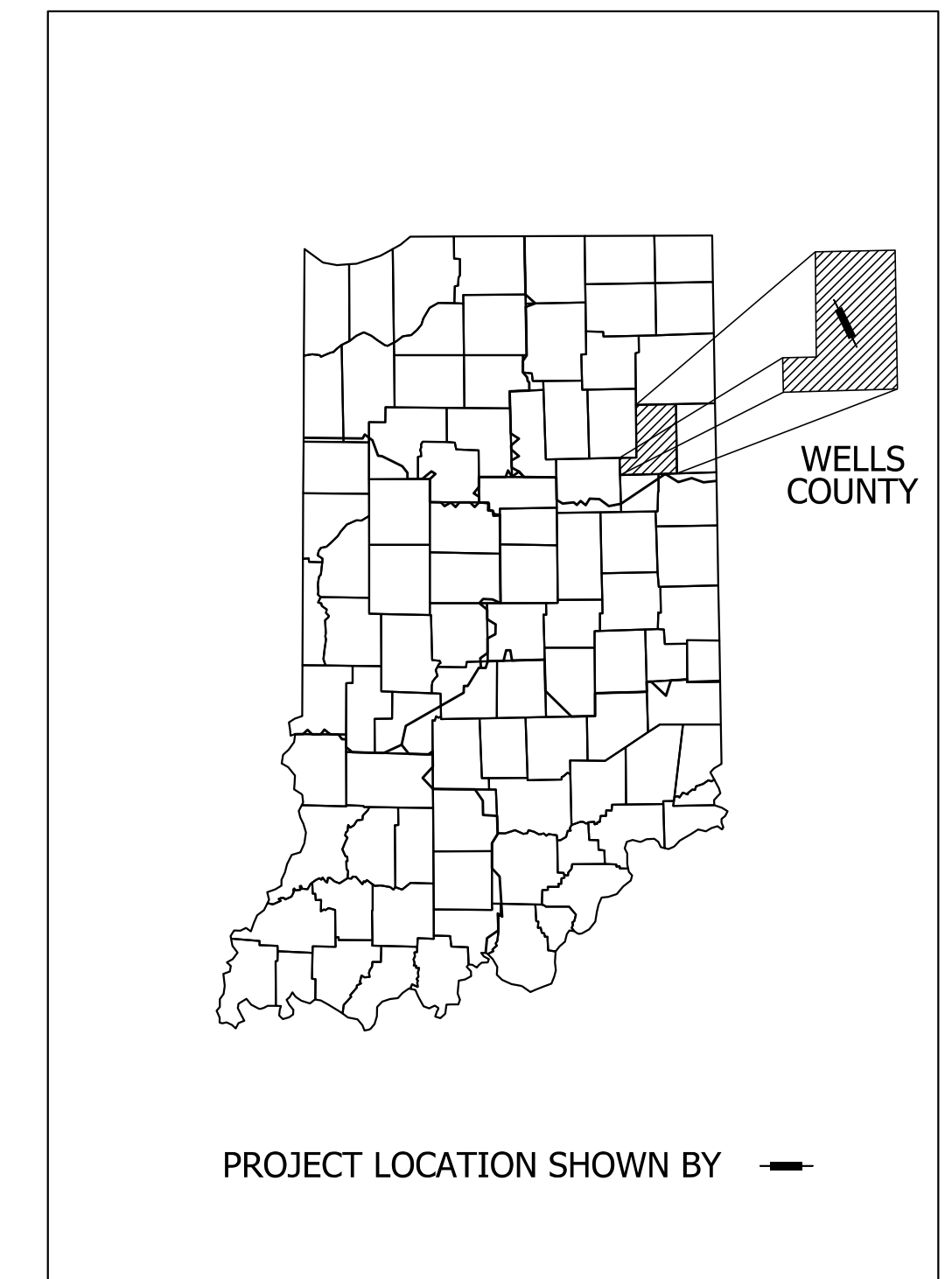
RIGHT OF WAY PLANS

ROUTE: S.R. 116 FROM: RP 18+70 TO: RP 19+12

PROJECT NO. 1800222 P.E.
 1800222 R/W
 1800222 CONST.

PROJECT DESCRIPTION
 REALIGNMENT OF SR 116 ROADWAY SECTION FROM 4.08 MILES TO 4.52 MILES EAST OF SR 1 LOCATED IN SECTION 18, T-26, R-13, HARRISON TOWNSHIP, WELLS COUNTY, INDIANA.

TRAFFIC DATA S.R. 116		
A.A.D.T.	(2023)	2,076 V.P.D.
A.A.D.T.	(2043)	2,503 V.P.D.
D.H.V		228 V.P.H.
DIRECTIONAL DISTRIBUTION		49.20%
TRUCKS		4.07% A.A.D.T.
TRUCKS		6.09% D.H.V.
DESIGN DATA S.R. 116		
DESIGN SPEED		55 MPH
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		STATE COLLECTOR
RURAL/URBAN		RURAL
TERRAIN		LEVEL
ACCESS CONTROL		NONE



LATITUDE: 40°42'12" N LONGITUDE: 85°05'40" W

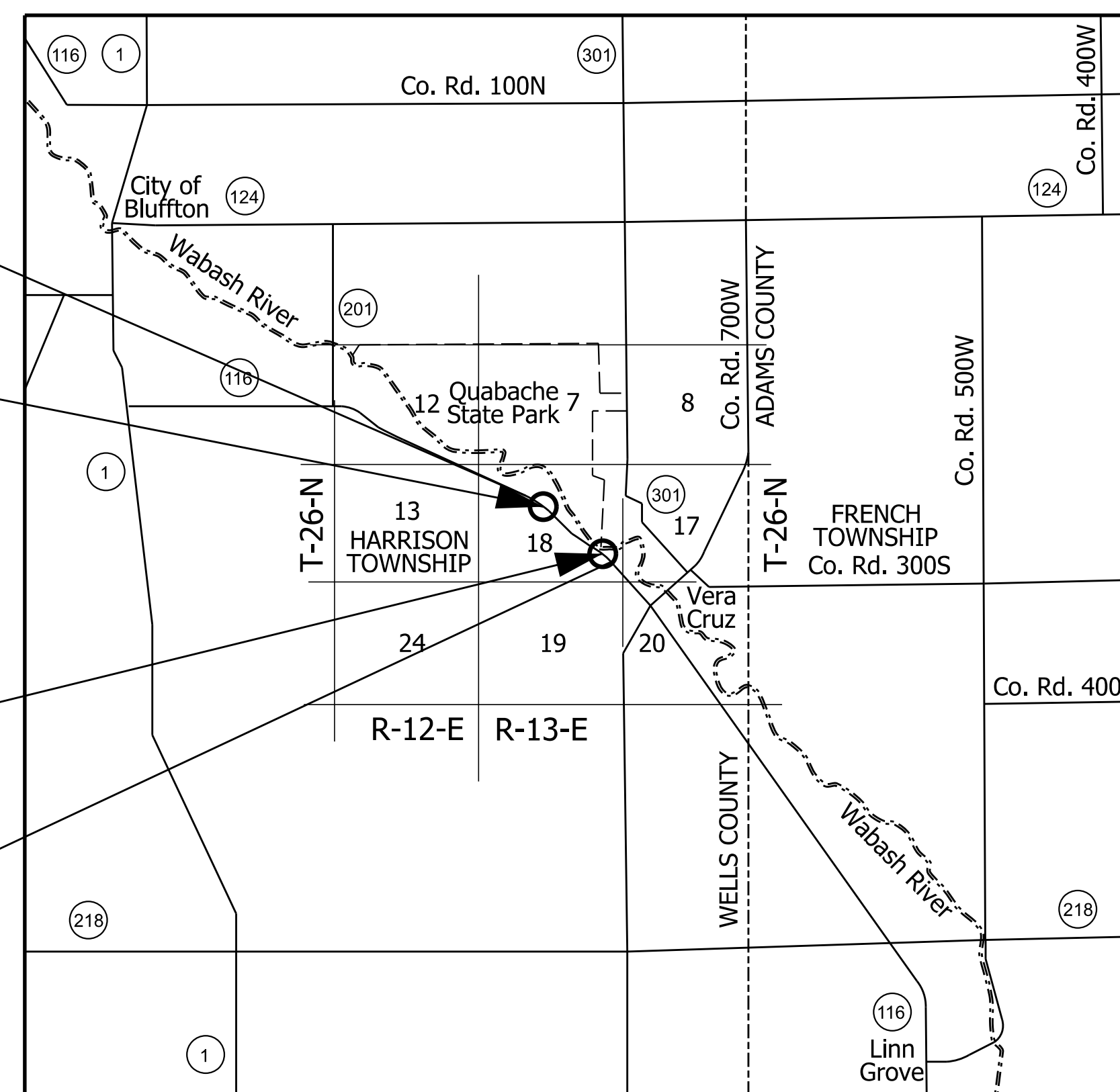
HYDROLOGIC UNIT CODE: 05120101060040

GROSS LENGTH: 0.44 MI.
 NET LENGTH: 0.44 MI.
 MAX. GRADE: 1.25 %

BEGIN INCIDENTAL CONSTRUCTION
 PROJECT NO. 1800222
 STA. 245+24.00
 LINE "PR-A"
 BEGIN PROJECT
 PROJECT NO. 1800222
 STA. 246+24.00
 LINE "PR-A"

END PROJECT
 PROJECT NO. 1800222
 STA. 268+45.00
 LINE "PR-A"

END INCIDENTAL CONSTRUCTION
 PROJECT NO. 1800222
 STA. 269+45.00
 LINE "PR-A"



LOCATION MAP
 HARRISON TOWNSHIP,
 WELLS COUNTY

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

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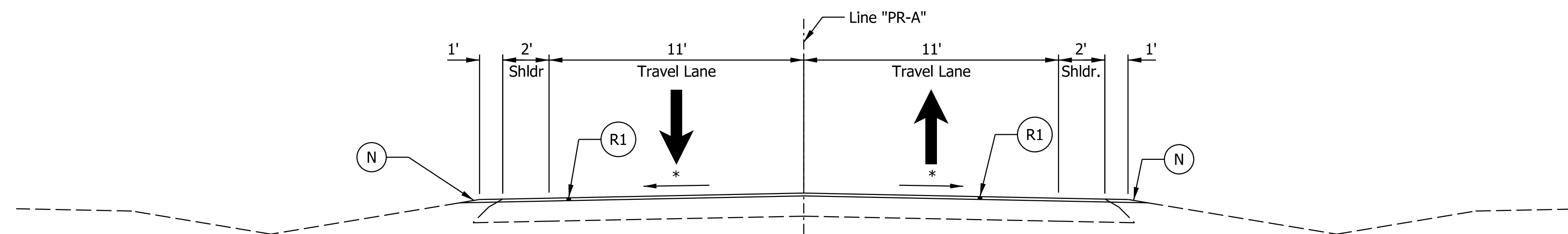


HNTB CORPORATION
 THE HNTB COMPANIES
 INFRASTRUCTURE SOLUTIONS
 111 MONUMENT CIRCLE
 SUITE 1200
 INDIANAPOLIS, IN 46204

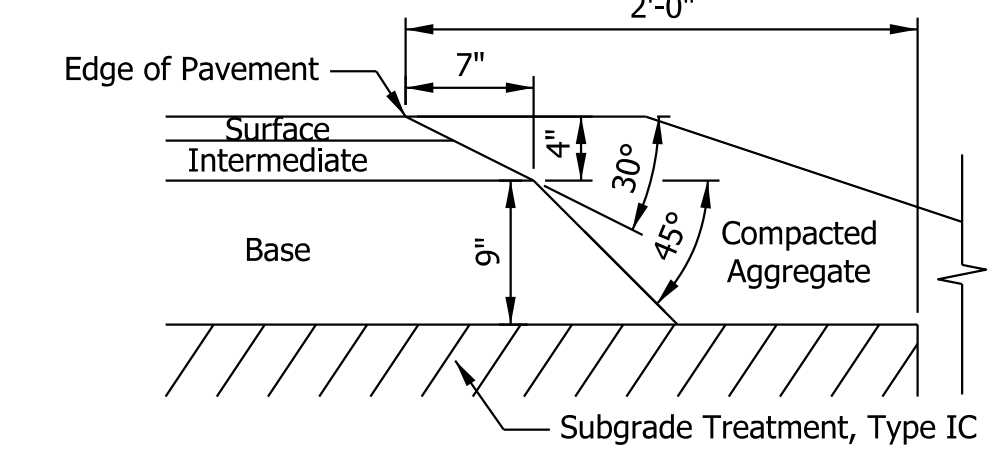
DRAFT
 NOT FOR CONSTRUCTION

PLANS PREPARED BY: HNTB INDIANA, INC. (317) 636-4682 PHONE NUMBER
 CERTIFIED BY: _____ DATE _____
 APPROVED FOR LETTING: _____ DATE _____
 INDIANA DEPARTMENT OF TRANSPORTATION

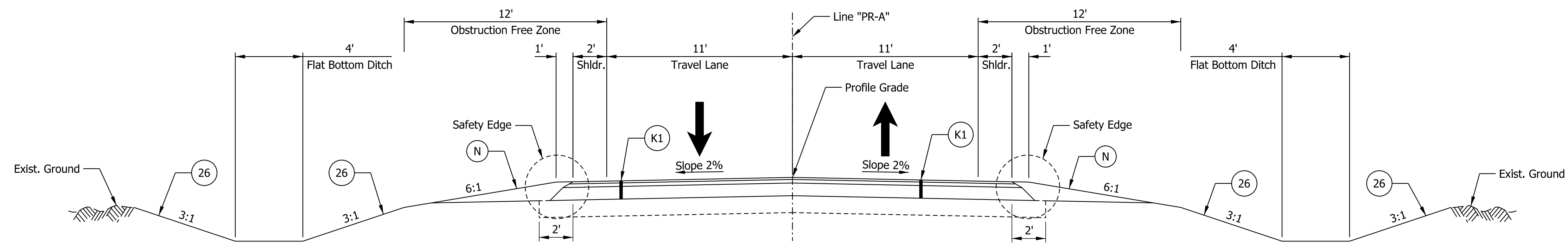
BRIDGE FILE		
N/A		
DESIGNATION		
1800222		
SURVEY BOOK	SHEETS	COV-01
ELECTRONIC	1 of 8	
CONTRACT	PROJECT	
R-41553	1800222	



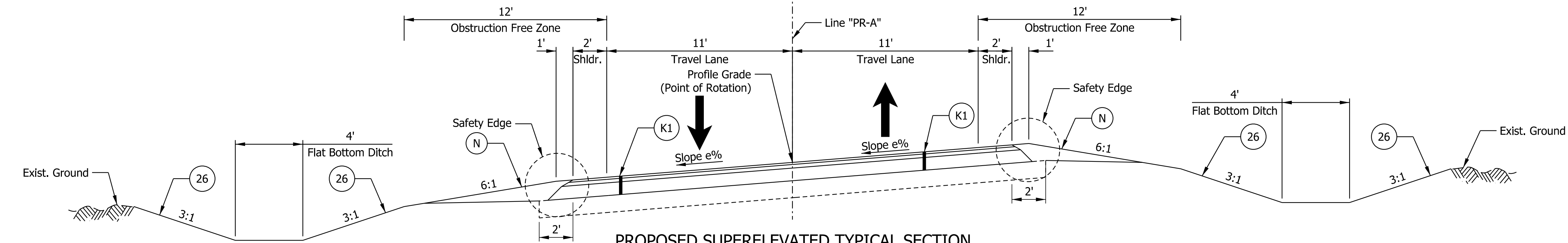
PROPOSED INCIDENTAL CONSTRUCTION
 Sta. 245+24.00 to Sta. 246+24.00 "PR-A"
 Sta. 268+45.00 to Sta. 269+45.00 "PR-A"



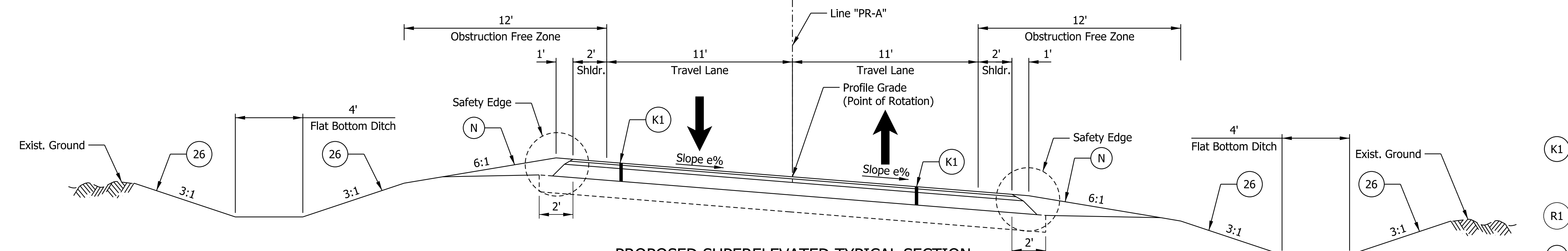
SAFETY EDGE DETAIL
 Not to Scale



PROPOSED TANGENT TYPICAL SECTION
 Sta. 246+24.00 to Sta. 248+58.00 "PR-A"
 Sta. 268+22.00 to Sta. 268+45.00 "PR-A"



PROPOSED SUPERELEVATED TYPICAL SECTION
 Sta. 248+58.00 to Sta. 258+05.00 "PR-A" (e_{max} = 5.93%)



PROPOSED SUPERELEVATED TYPICAL SECTION
 Sta. 258+05.00 to Sta. 268+22.00 "PR-A" (e_{max} = 5.93%)

Note to Reviewer:
 Pavement Design is pending.

LEGEND

- (K1) 165 #/Sys. QC/QA-HMA 2, 64, Surface, 9.5mm, on 275 #/Sys. QC/QA-HMA 3, 64, Intermediate, 12.5mm, on 990 #/Sys. QC/QA-HMA 3, 64, Base, 19.0mm, on Subgrade Treatment, Type IC
- (R1) 165 #/Sys. QC/QA-HMA 2, 64, Surface, 9.5mm, on Milling, Asphalt, 1.5 In.
- (N) Compacted Aggregate, No. 53, Variable Depth (13 In. at Full Depth Pavement Edge)
- (26) Seed Mixture, R on Mulching Material
- * Match Existing

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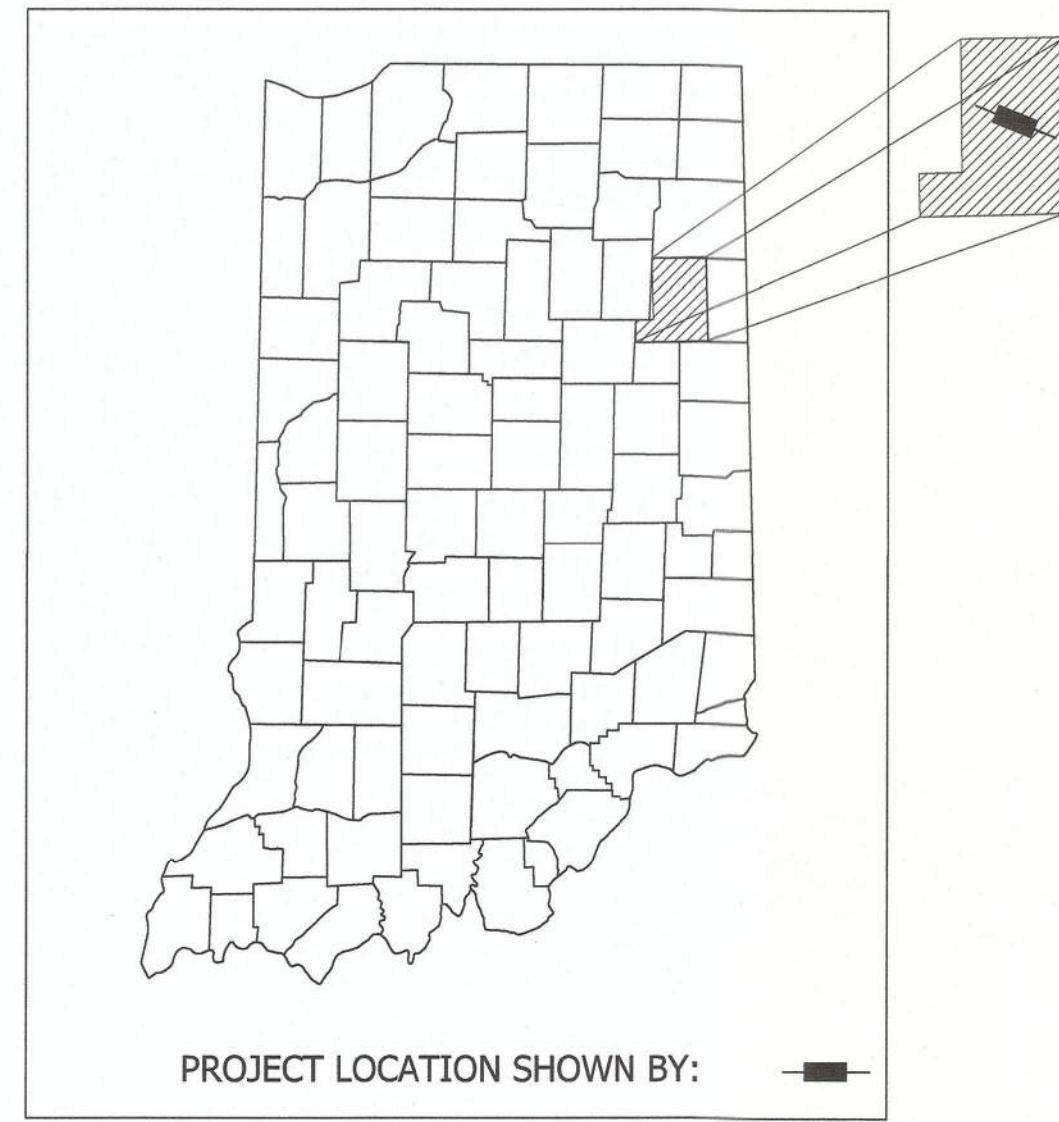
DRAFT
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CFS	DRAWN: CFS	
CHECKED: DLG	CHECKED: DLG	

INDIANA DEPARTMENT OF TRANSPORTATION

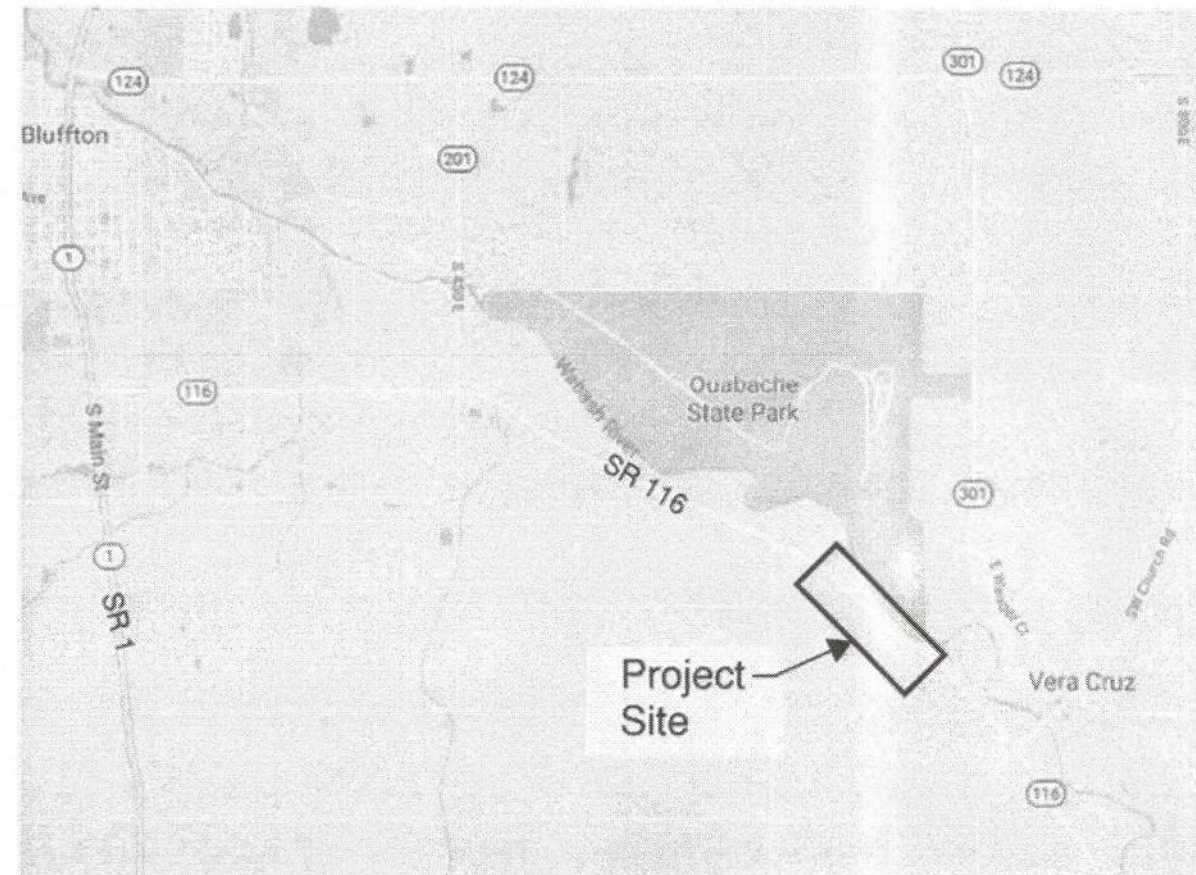
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800222
SURVEY BOOK	SHEETS TS-01
ELECTRONIC	3 of 8
CONTRACT	PROJECT
R-41553	1800222



PROJECT LOCATION SHOWN BY:

Not to Scale



Project Site

Surveyor's Report
In accordance with Title 865, Article 1, Chapter 12 of the Indiana Administrative Code ("Rule 12"), the following observations and opinions are submitted regarding the various uncertainties in the locations of the lines and corners established this survey because of uncertainties in reference monumentation and inconsistencies in lines of occupation.

Location of Survey
This project is located along SR 116 from 4.08 miles east of SR 41 to 4.46 miles east of SR 1, Harrison Township, Wells County, Fort Wayne District.

Purpose of Survey
The purpose of this survey is to collect data for the elevation and design of a geological slide correction project and to provide a basis for describing any right-of-way needed for the project. It is not a property retracement survey and any apparent property lines and/or corners shown are based only on physical evidence as collected during the field survey.

- General
• All monument reference ties are shown on the Location Control Route Survey Plat (herein referred to as LCRS)
• All measurements are in US Survey feet unless otherwise noted. All distances shown on this LCRS represent ground measurements.
• Should additional USPLS be needed where none were found, they should be reestablished and tied to this survey.

Field measurements for this survey were made in accordance with the specification outlined in Indiana Administrative Code 865 IAC-1-12-20 through 1-12-25. The decimal precision shown on this plat for the measurements and coordinates is for consistency in the mathematical calculations, and not to indicate the precision of the field work conducted for this survey.

Primary Control and Basis of Bearings
Unless noted otherwise, all bearings, distances and coordinates shown herein are based upon the Indiana Geospatial Coordinate System's (InGCS) "Wells" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Wells" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Wells" Zone Parameters
Geometric Datum: NAD 83(2011) epoch 2010.00
Projection Type: Transverse Mercator
Central meridian: 87°15'00" west longitude
Central Meridian scale factor: 1.0004
False Northing: 36,000,000m (118,110.00 U.S. Ft)
False Easting: 240,000,000m (787,400.00 U.S. Ft)

Alignment
Line "A" from this survey intends to recreate the centerline from State Highway F.A.S. Project No. 12 Section A, dated 1938. The physical centerline of S.R. 116 was utilized to calculate said Line "A". Station 251+87.00 was held at the center of a storm inlet from the 1938 plans. Various physical features that were located this survey were used to verify the project stationing.

An analysis was made of the established Line "A" alignment relative to road crown locations and found right of way markers. The calculated stationing of the found physical features varies from the stationing shown on the plans of said State Highway F.A.S. Project No. 12 by up to 1.2 feet.

- Original Alignment Reference Monuments
500. Mag nail set at P.O.T. Station 240+00.00 Line "A".
501. Mag nail set at P.C. Station 241+67.13 Line "A".
502. 5/8" capped rebar set at P.I. Station 244+00.50 Line "A".
503. Mag nail set at P.T. Station 246+33.80 Line "A".
504. Mag nail set at P.C. Station 248+88.32 Line "A".
505. 5/8" capped rebar set at P.I. Station 251+40.04 Line "A".
506. Mag nail set at P.T. Station 253+86.66 Line "A".
507. Mag nail set at P.C. Station 257+53.31 Line "A".
508. 5/8" capped rebar set at P.I. Station 261+24.55 Line "A".
509. Mag nail set at P.T. Station 264+86.64 Line "A".
510. Mag nail set at P.O.T. Station 275+00.00 Line "A".

Primary Control Points Set This Survey
100. A 5/8" rebar with cap was set on the northern side of SR 116.
101. A 5/8" rebar with cap was set on the northern side of SR 116.
102. A 5/8" rebar with cap was set on the southern side of SR 116.

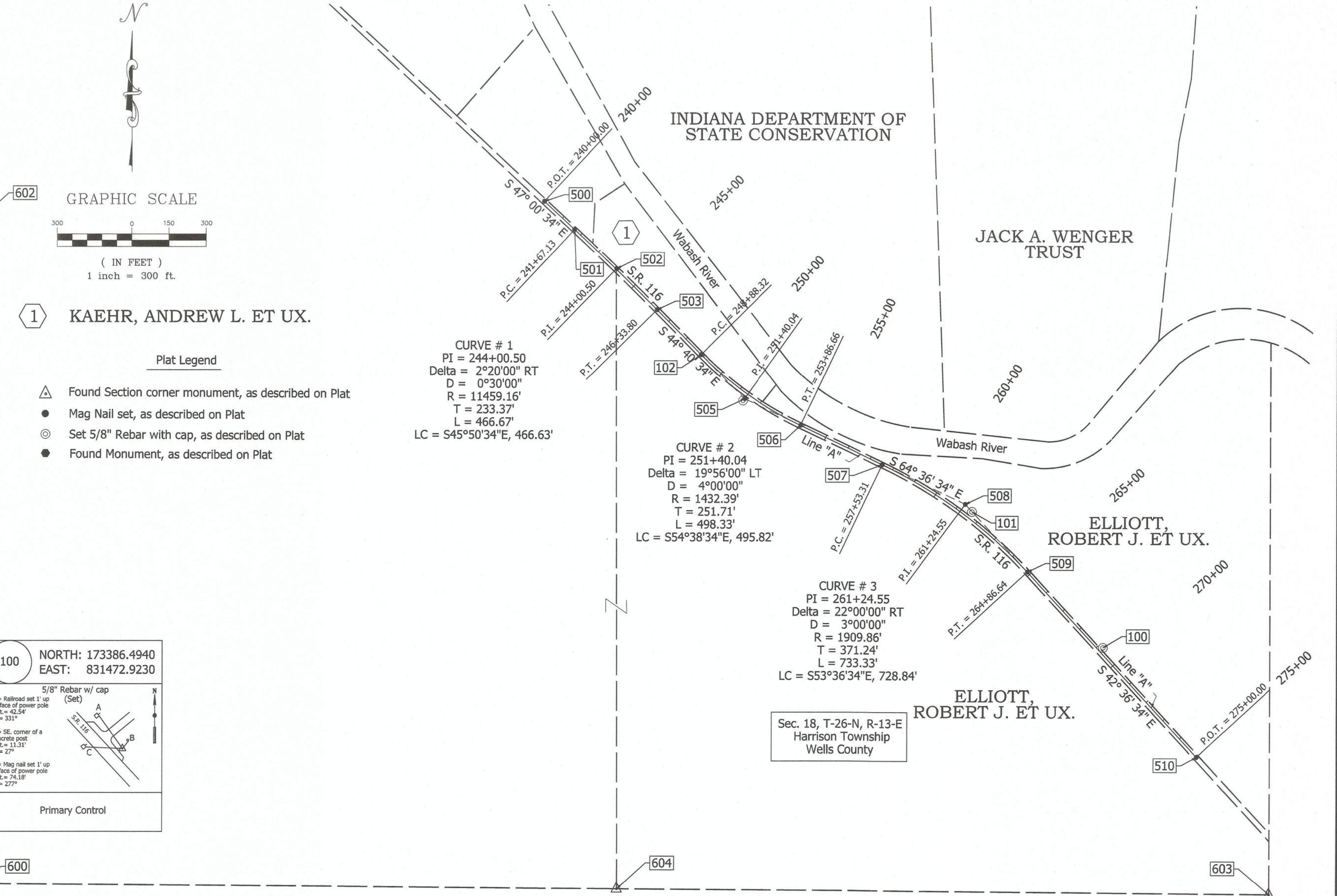
Corners of the PLSS
Section corners and certain quarter section corners were originally monumented by the Federal Government during the original subdivision of the State of Indiana. Corners shown on this survey were monumented for the Federal Government by setting wood posts at these corners in accordance with the Federal Government's Instructions. Without a continuous chain of record proving the perpetuation of the location of the wood posts, it is impossible to know or determine that the monuments found at these corners, this survey, are in these same location as the original wood posts. The remaining quarter section and quarter-quarter section corners were to be monumented by Local Surveyors (County Surveyors or Private Surveyors) after the initial Federal government survey. The monumentation of the locations of these corners were to be established in accordance with the Federal Government's Instructions for the subdivision of sections. There is not any direct evidence available indicating that the Instructions for the subdivision of sections were followed to determine the location of these corners. Therefore, monuments shown on this survey as marking corners set subsequent to the Federal Government Survey may not be in their "theoretical" location resulting from adherence to said Instructions.

Recovery of PLSS Corner Monuments
Item numbers refer to monument numbers shown on the LCRS.
600. A railroad spike 0.1' below grade was found and accepted as the Southwest Corner of Section 18, Township 26 North, Range 13 East.
602. A 1" Iron Pipe was found and accepted as the Northwest Corner of the Southwest Quarter of Section 18, Township 26 North, Range 13 East.
603. A 1" Iron Pipe was found per Wells County Surveyor's ties and accepted as the Southeast Corner of Section 18, Township 26 North, Range 13 East.
604. A railroad spike 0.1' below grade was found per Wells County Surveyor's ties and accepted as the Southwest Corner of the Southeast Quarter of Section 18, Township 26 North, Range 13 East.

Right of Way Note
The existing right of way line, parcel ownership information shown on this plat are preliminary and subject to change based on verification/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 ownership lines. The source used to plot existing right of way line and ownership lines shown on this plat is from last deed of record obtained from County Recorder's Office as well as other sources cited on this plat. The designer/consultant responsible for Right of Way Engineering will complete the final determination for this information.

Easement Note
Location of any easements are based on last deed of record available at the Recorder's Office. These deed records were found during initial research, and in no way represent all possible easements that could be recovered by a title search.

Table with 4 columns: Point Name, Description, Northing (inGCS Wells), and Easting (inGCS Wells). It lists 16 points from 100 to 604 with their respective descriptions and coordinates.

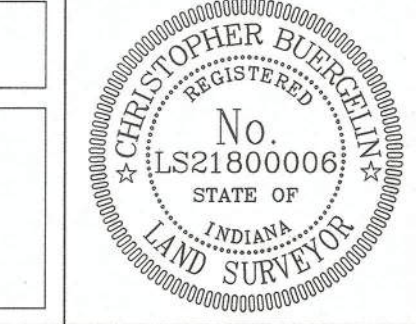


Grid of 16 detail diagrams for monuments 100 through 604. Each diagram shows the monument type (e.g., 5/8" rebar, mag nail, iron pipe), its location relative to the alignment, and its coordinates (North and East).

20220652 MISC 825 00
02/13/2020 10:38:07A 1 PGS
Carolyn C Bertsch
Wells County Recorder IN
Recorded as Presented

Table with 2 columns: SURVEY STARTED (5/30/2019), SURVEY COMPLETED (7/19/2019), ROUTE PLAT SHEETS (1 of 1).

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

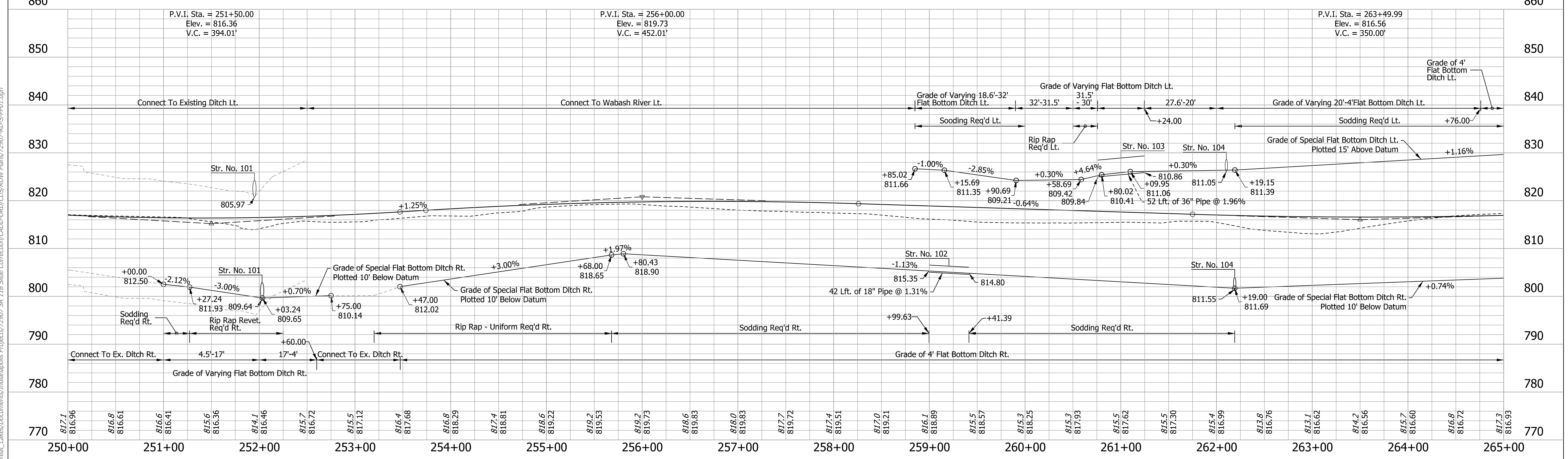
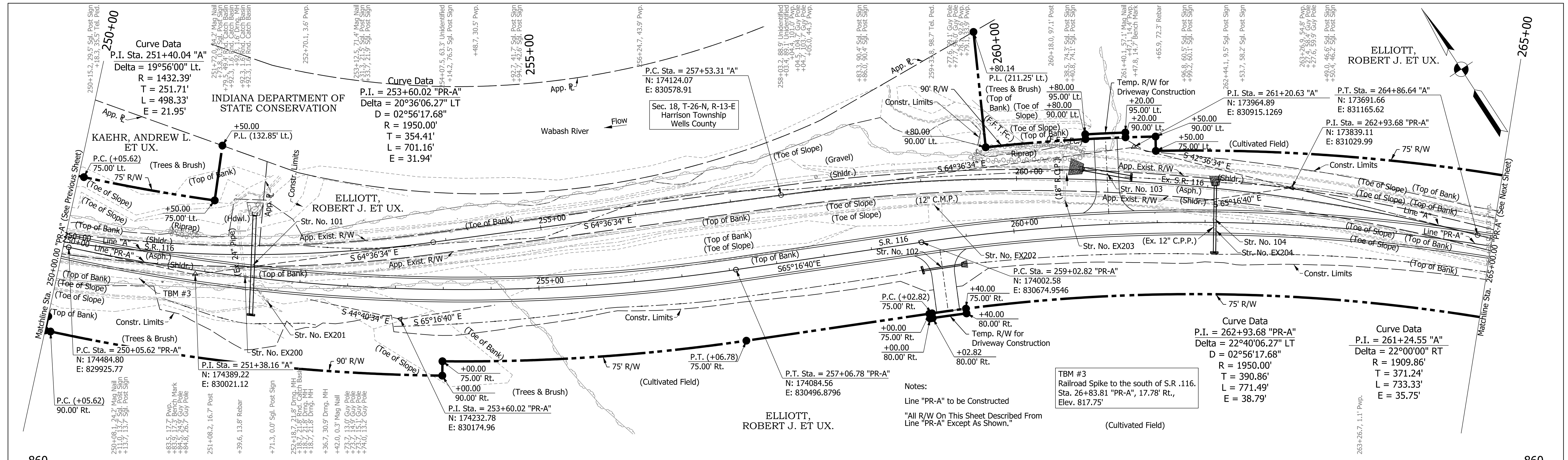


I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.
PREPARED BY: Christopher Buergelin, 2-12-2020, DATE

INDIANA DEPARTMENT OF TRANSPORTATION
LOCATION CONTROL ROUTE SURVEY

Table with 2 columns: HORIZONTAL SCALE (1" = 300'), VERTICAL SCALE (N/A), SURVEY BOOK (ELECTRONIC), CONTRACT (R-41553), BRIDGE FILE (1800222), SHEETS (5 of 8), PROJECT (1800222).

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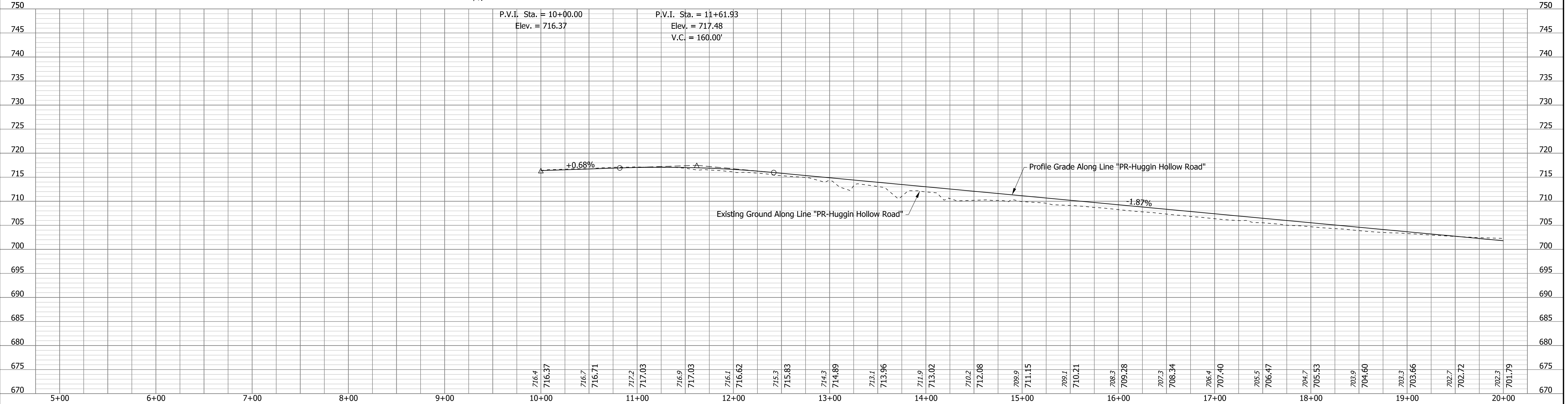
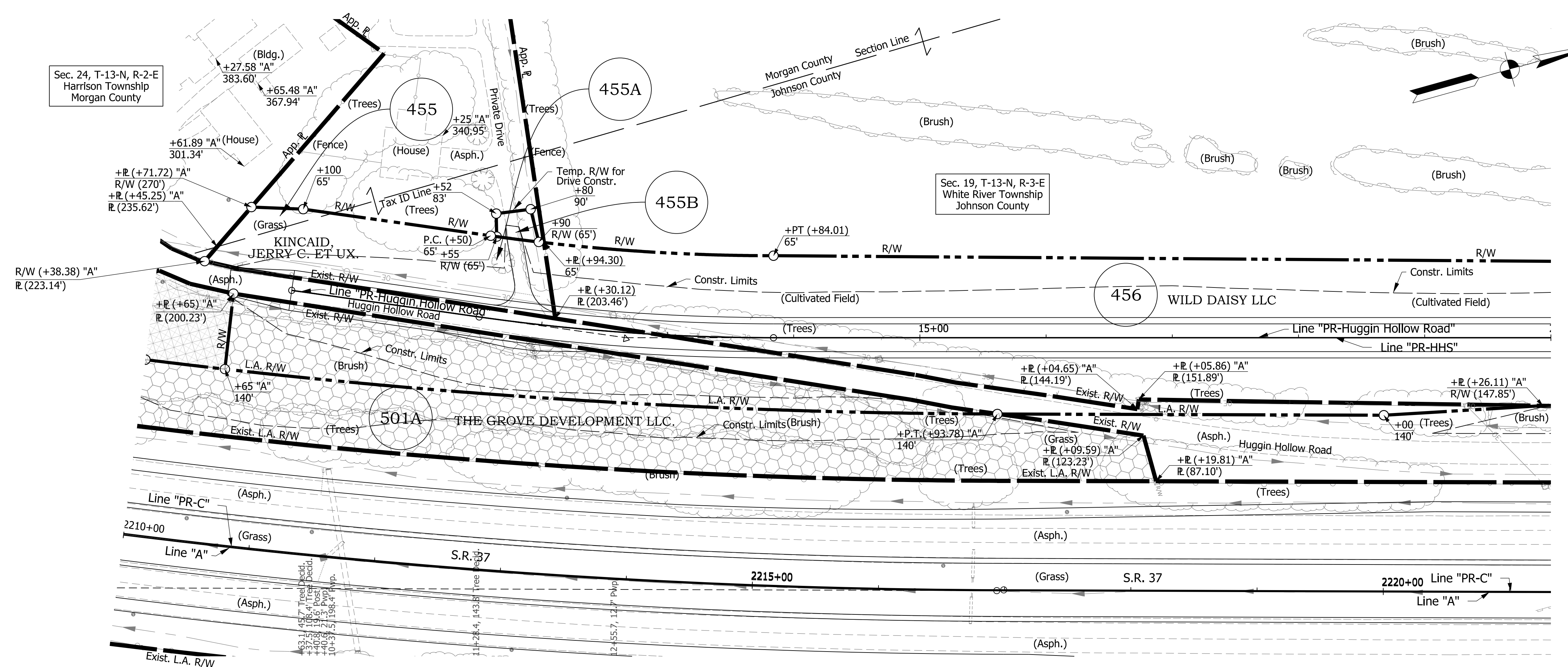
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDS	DRAWN: MDS	
CHECKED: DLG	CHECKED: DLG	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	1800222
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 8
CONTRACT	PROJECT
R-41553	1800222



R/W LEGEND		
B BEGIN L.A. R/W	Landlocked Area	Mitigation Area
E END L.A. R/W	Excess Land	Total Take Area

Notes:
 "All R/W on this sheet to be as shown."
 "All R/W on this sheet described from Line "PR-Huggin Hollow Road" except as shown."
 "Limited access requirements to apply where indicated."
 For Horizontal Alignment information and Curve Data see Geometric Layout Sheets.
 Line "PR-HHS" to be constructed.

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____
 DESIGNED: _____ HER _____ DRAWN: _____ SCW _____
 CHECKED: _____ SSL _____ CHECKED: _____ SSL _____

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEET
LINE "PR-HUGGIN HOLLOW ROAD"
STA. 10+00 TO STA. 20+00

HORIZONTAL SCALE		BRIDGE FILE	
1"=50'			
VERTICAL SCALE		DESIGNATION	
1"=10'		300382	
SURVEY BOOK		SHEETS	PLN-300
ELECTRONIC		532	of 664
CONTRACT		R-42104	PROJECT
			1801695

cebutler
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