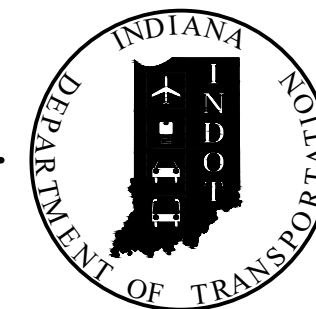


PROJECT	DESIGNATION
1602260	1602260
CONTRACT	BRIDGE FILE
R-40426	CV 003-016-60.37

# INDIANA DEPARTMENT OF TRANSPORTATION



STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
CV 003-016-60.37	PRECAST REINFORCED CONCRETE BOX	SINGLE SPAN @ 16'-0" SKEW: 10° LT.	UNNAMED TRIBUTARY TO WYALOOSING CREEK	G STRUCTURE STA. 911+68.00 "B"

TRAFFIC DATA		
A.A.D.T.	(2021)	5014 V.P.D.
A.A.D.T.	(2041)	5381 V.P.D.
D.H.V	(2041)	511 V.P.H.
DIRECTIONAL DISTRIBUTION		49.96 %
TRUCKS		16.38 % A.A.D.T. 14.93 % D.H.V.
DESIGN DATA		
DESIGN SPEED		55 M.P.H.
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		MINOR ARTERIAL
RURAL/URBAN		RURAL
TERRAIN		LEVEL
ACCESS CONTROL		NONE

## ROAD PLANS

### SMALL STRUCTURE REPLACEMENT

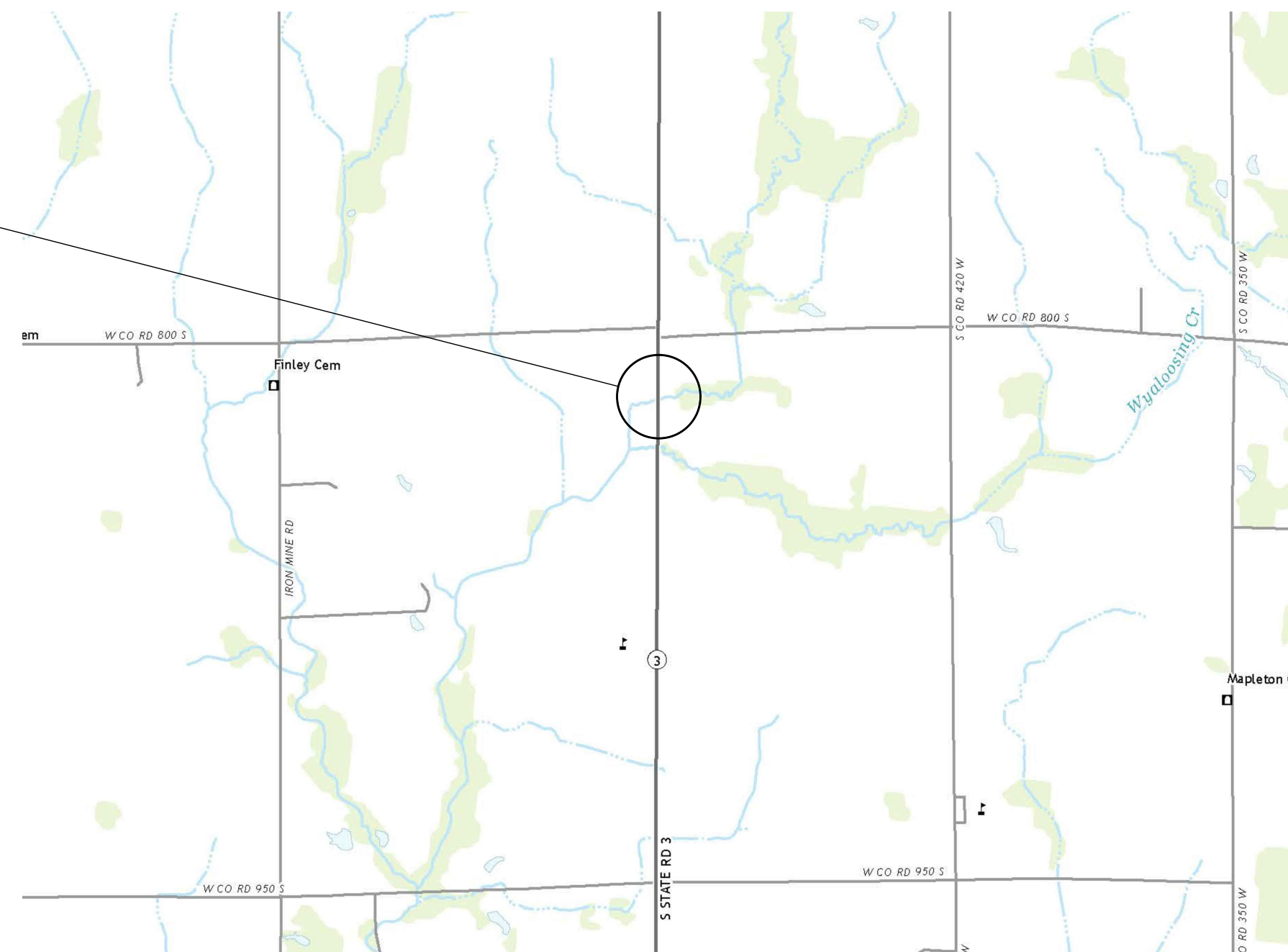
#### ROUTE: SR 3 OVER UNNAMED TRIBUTARY TO WYALOOSING CREEK

#### AT: RP 60+37

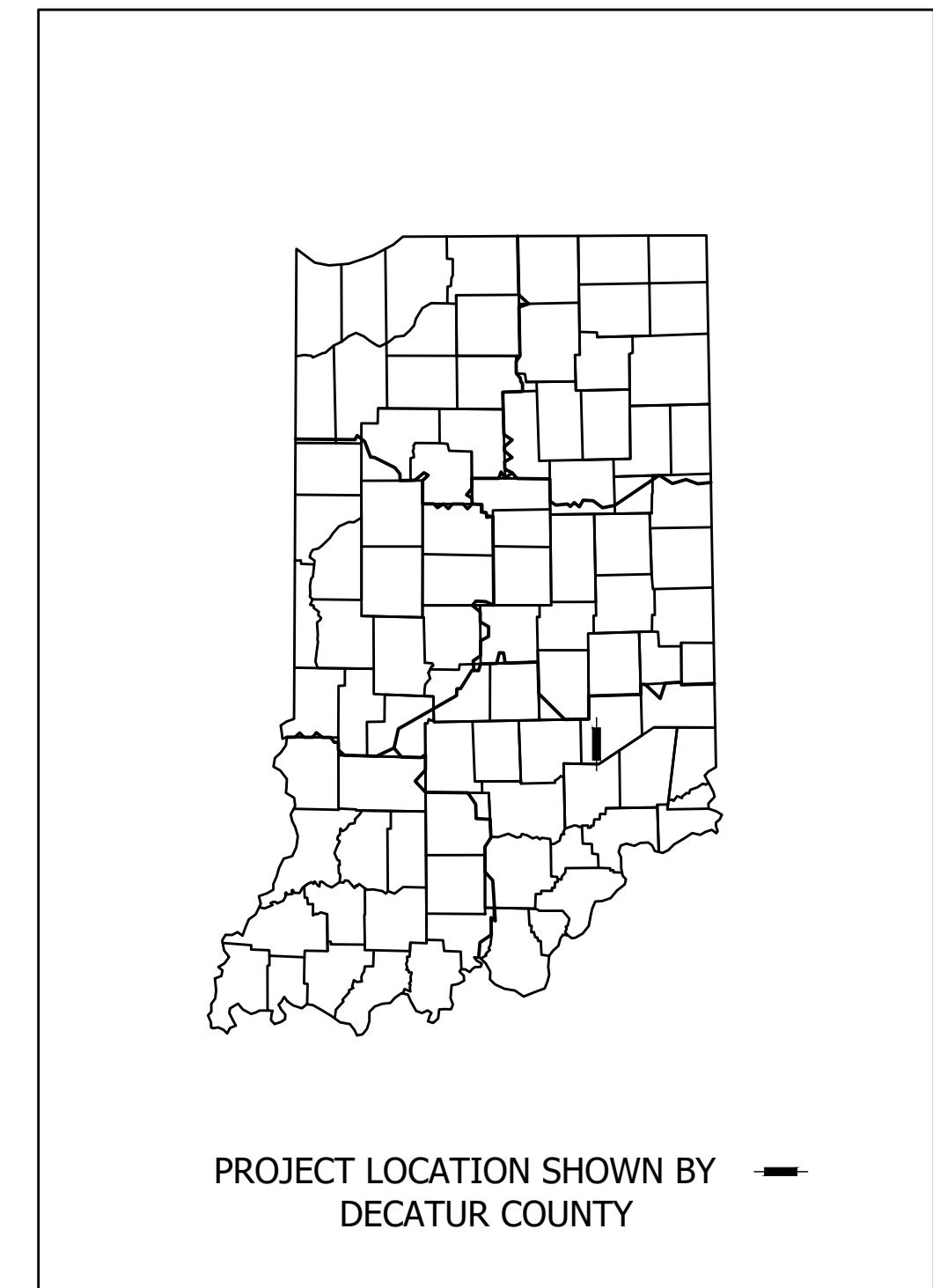
PROJECT NO. 1602260 P.E.  
1602260 R/W  
1602260 CONST.

Small Structure Replacement on SR 3 over Unnamed Tributary to Wyaloosing Creek  
Located 16.17 miles North of SR 7 in  
Section 19, T-9-N, R-9-E, & Section 24, T-9-N, R-8-E Sand Creek Township,  
Decatur County, Indiana

PROJECT LOCATION  
Begin Project-Sta.911+20.00 "B"  
End Project-Sta.912+20.00 "B"



LOCATION MAP  
SCALE: 1:24000



LATITUDE: 39°13'01.65" N LONGITUDE: 85°34'30.49" W

BRIDGE LENGTH:	0.000	MI.
ROADWAY LENGTH:	0.019	MI.
TOTAL LENGTH:	0.019	MI.
MAX. GRADE:	0.58	%

HUC# 05120206030120

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

PLANS PREPARED BY:

8320 CRAIG STREET | INDIANAPOLIS, IN 46250  
317.849.5832 | F: 317.841.4280 | WWW.B-L-N.COM

PLANS PREPARED BY:	BEAM, LONGEST & NEFF, LLC	(317)849-5832 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
CV 003-016-60.37	
DESIGNATION	
1602260	
DRAWING NO.	SHEETS
	1 of 29
CONTRACT	PROJECT
R-40426	1602260

**UTILITIES**

FRONTIER COMMUNICATIONS  
 2536 W. Industrial Park Drive, Suite 1  
 Bloomington, IN 47404  
 Attn: Mark Gibson  
 Ph: 260-438-2522  
 Email: mgibson@yesrus.com

DUKE ENERGY INC.  
 1619 W. Defenbaugh St.  
 Kokomo, IN 46902  
 Attn: Connie Maus  
 Ph: 765-454-6180  
 Email: connie.muas@duke-energy.com

DECATUR COUNTY RURAL WATER  
 Midwestern Engineers, Inc.  
 3455 Old N. US Hwy 421  
 Greenburg, In 47240  
 Attn: Doreen Graves  
 Ph: 812-663-3119  
 Email: dcrw.generalmanager@gmail.com



**GENERAL NOTES**

Where existing ditches are covered by embankment construction, all soft sediments shall be stripped and replaced with "B" borrow to an elevation 2 feet above the ground water table. If ground water is not encountered, backfill shall be placed in accordance with ISS 203.09.

**INDEX**

SHEET NO.	SHEET DESIGNATION	SUBJECT
1		TITLE SHEET
2		INDEX SHEET
3 - 4		TYPICAL SECTIONS
5		PLAT NO. 1
6 - 11		MAINTENANCE OF TRAFFIC
12		PLAN AND PROFILE - LINE "B"
13		EROSION CONTROL
14		SOIL BORING - LINE "B"
15		LAYOUT - LINE "B"
16 - 17		GENERAL PLAN
18 - 19		ROAD SUMMARY OF QUANTITIES
20 - 27		CROSS SECTIONS - LINE "B"
29 - 30		CROSS SECTIONS - LINE "BR-B"

**REVISIONS**

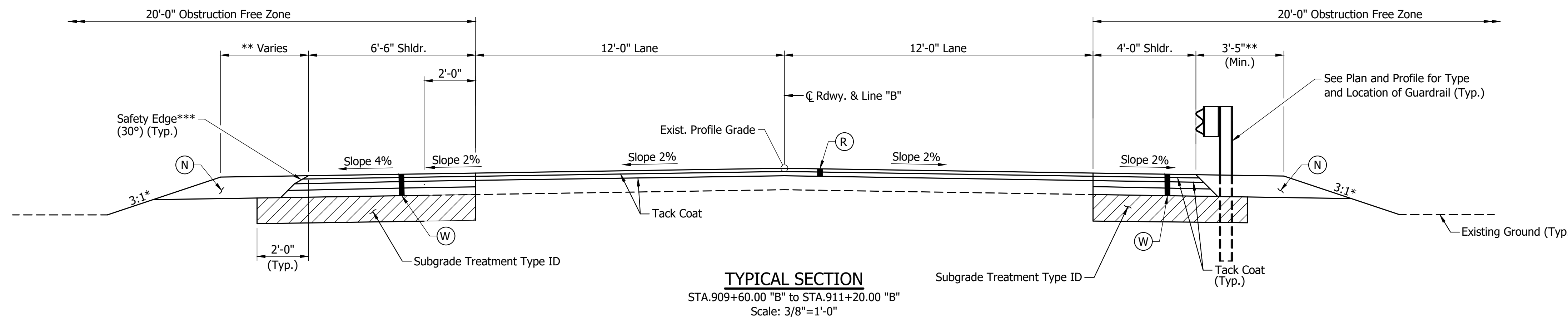
SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
 DESIGN ENGINEER DATE \_\_\_\_\_  
 DESIGNED: JJA DRAWN: MEN  
 CHECKED: JAP CHECKED: JAP

INDIANA DEPARTMENT OF TRANSPORTATION

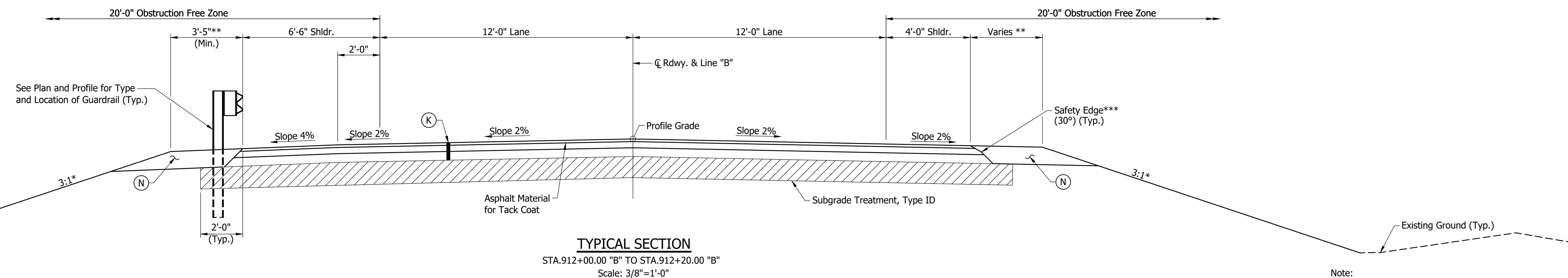
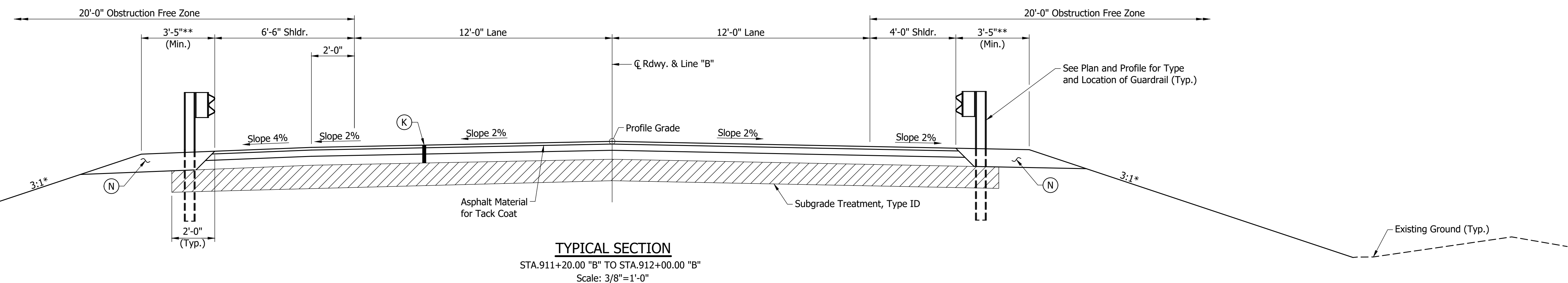
INDEX SHEET

HORIZONTAL SCALE N/A  
 VERTICAL SCALE N/A  
 BRIDGE FILE CV 003-016-60.37  
 DESIGNATION 1602260  
 DRAWING NO. R-40426  
 SHEETS 2 of 29  
 PROJECT 1602260



- LEGEND**
- (N) Variable-Depth Compacted Aggregate, No.53
  - (K) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on 385#/Syd QC-QA-HMA, 2, 64, Intermediate, 19 mm, on Compacted Aggregate, No.53, Base (Variable Depth, 5" min.) on Subgrade Treatment, Type ID
  - (R) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on 385#/Syd QC-QA-HMA, 2, 64, Intermediate, 19 mm, on Surface Milling (up to 3.5")
  - (W) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on Widening with HMA, Type B consisting of: 275#/Syd HMA Intermediate, Type B, on 6" Compacted Aggregate, No.53, Base on Subgrade Treatment, Type ID
- \* See Cross Sections for slope.  
 \*\* See Std.Dwg.No.E601-GRET-06 for Grading required around OS End Treatment.  
 \*\*\* Safety Edge (30°) applicable to Surface and Intermediate Layers only. Not required for sections with guardrail.

**NOTE TO REVIEWER:**  
 Pavement material shown above is a place holder. Actual pavement material will be shown when the pavement design is completed.

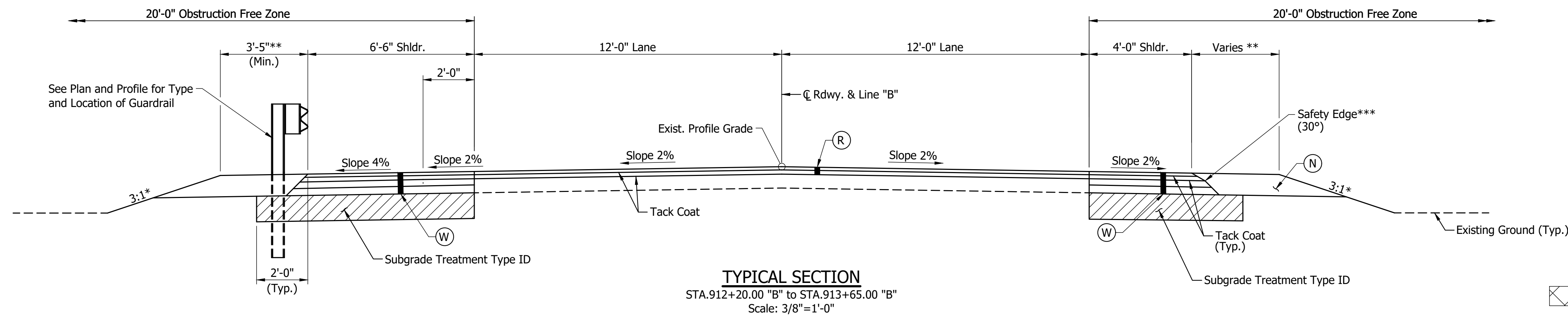


**Note:**  
 The pavement safety edge is not required in locations of curb, guardrail, or barrier rail; however, the Contractor has the option to construct the pavement safety edge within these limits if they choose.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

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

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	3 of 29
CONTRACT	PROJECT
R-40426	1602260

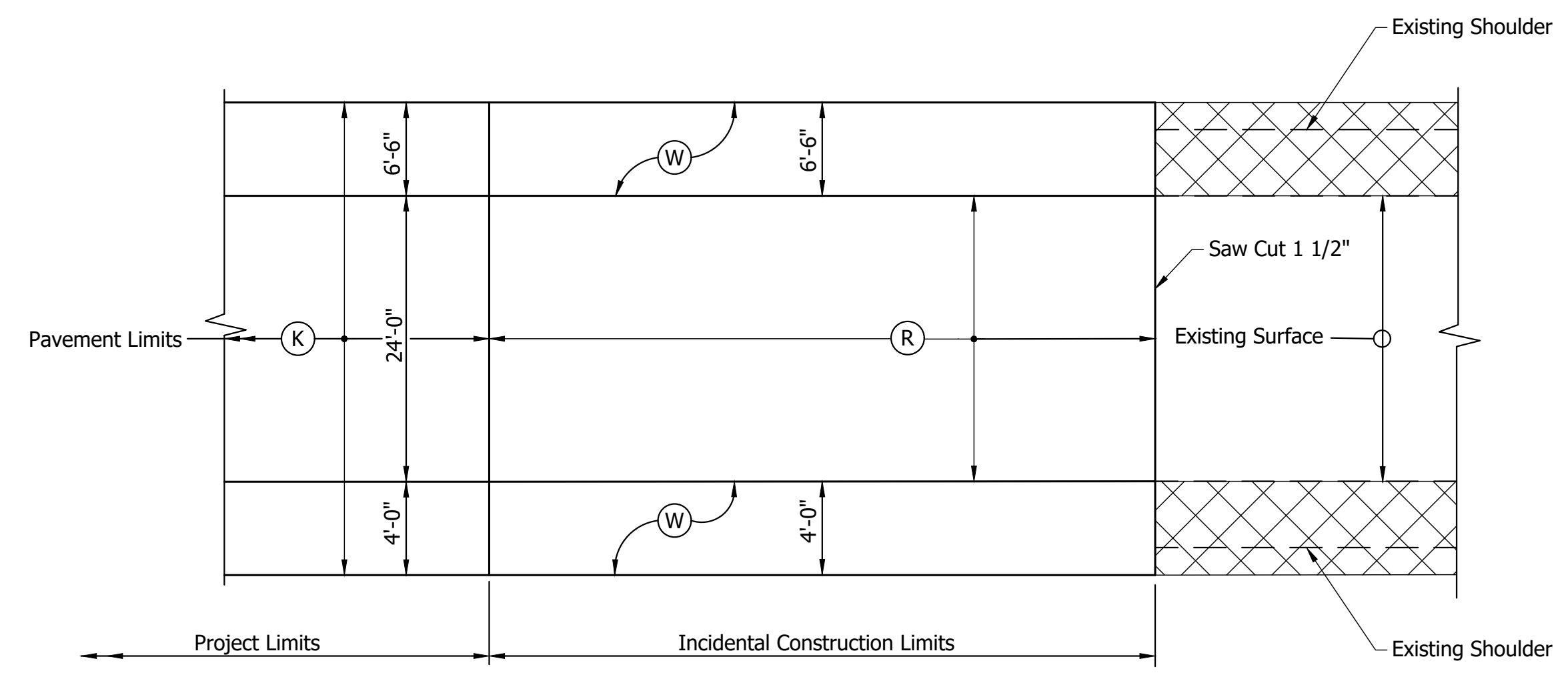


**TYPICAL SECTION**  
 STA.912+20.00 "B" to STA.913+65.00 "B"  
 Scale: 3/8"=1'-0"

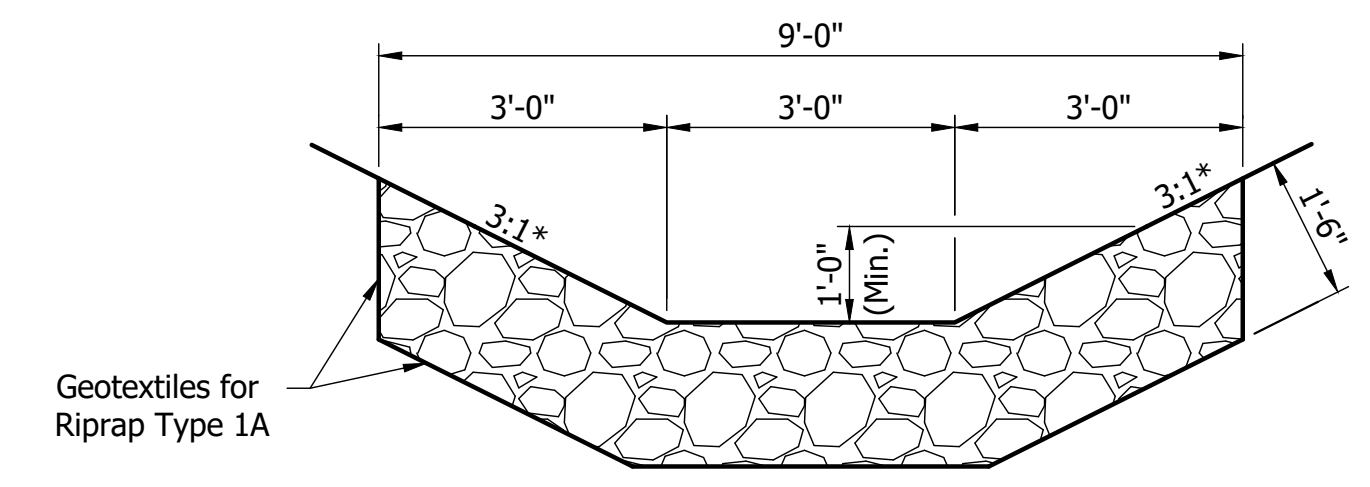
- LEGEND**
- (N) Variable-Depth Compacted Aggregate, No.53
  - (K) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on 385#/Syd QC-QA-HMA, 2, 64, Intermediate, 19 mm, on Compacted Aggregate, No.53, Base (Variable Depth, 5" min.) on Subgrade Treatment, Type ID
  - (R) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on 385#/Syd QC-QA-HMA, 2, 64, Intermediate, 19 mm, on Surface Milling (up to 3.5")
  - (W) 165#/Syd QC/QA-HMA, 2, 64, Surface, 9.5 mm, on Widening with HMA, Type B consisting of: 275#/Syd HMA Intermediate, Type B, on 6" Compacted Aggregate, No.53, Base on Subgrade Treatment, Type ID
- \* See Cross Sections for slope.  
 \*\* See Std.Dwg.No.E601-GRET-06 for Grading required around OS End Treatment.  
 \*\*\* Safety Edge (30°) applicable to Surface and Intermediate Layers only.

Shoulder Strengthening & Widening.  
 (See Maintenance of Traffic Details for Limits.)

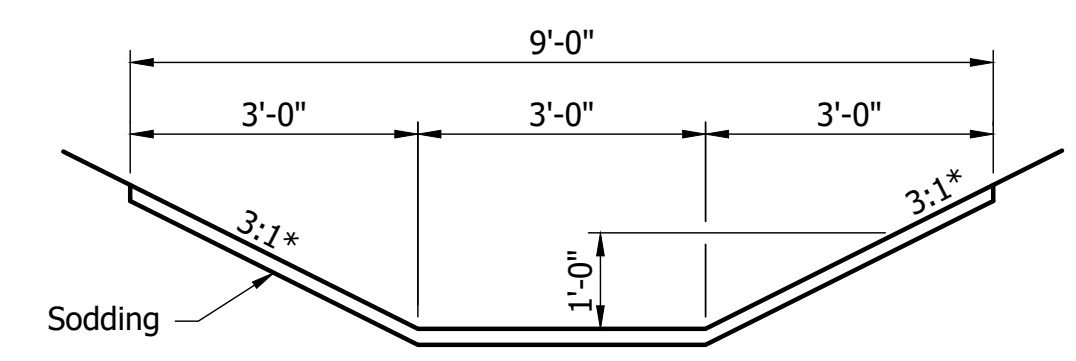
**NOTE TO REVIEWER:**  
 Pavement material shown above is a place holder.  
 Actual pavement material will be shown when the pavement design is completed.



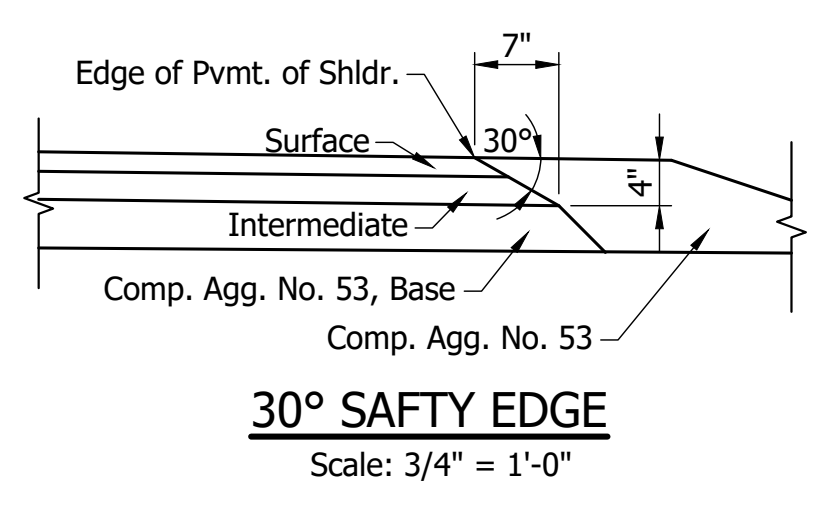
**DETAIL - MATCHING EXISTING ROADWAY**  
 (REQ'D. @ EACH END OF PROJECT)  
 No Scale



**TYP. REVETMENT RIPRAP FLAT BOTTOM DITCH (R.R.S.D.)**  
 Scale: 1/2"=1'-0"



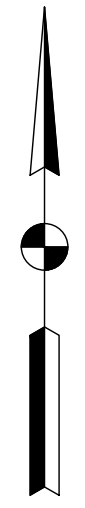
**TYP. SODDED FLAT BOTTOM DITCH**  
 Scale: 1/2"=1'-0"



**30° SAFETY EDGE**  
 Scale: 3/4" = 1'-0"

**Note:**  
 The pavement safety edge is not required in locations of curb, guardrail, or barrier rail; however, the Contractor has the option to construct the pavement safety edge within these limits if they choose.

RECOMMENDED FOR APPROVAL _____ DESIGNED: JJA CHECKED: JAP	DESIGN ENGINEER _____ DRAWN: MEN CHECKED: JAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
			AS NOTED	CV 003-016-60.37
TYPICAL SECTIONS			VERTICAL SCALE	DESIGNATION
			AS NOTED	1602260
			DRAWING NO.	SHEETS
				4 of 29
			CONTRACT	PROJECT
			R-40426	1602260



LARRY E. LAWSON

DANIEL E. KNARR

GAIL JOAN EUBANK

Section 24, T-9-N, R-8-E  
Sand Creek Township  
Decatur County

Section 19, T-9-N, R-9-E  
Sand Creek Township  
Decatur County

APPROX. CENTERLINE  
LITTLE WYALOOSING CREEK

BEGIN PROJECT  
STA: 911+20.00 "B"  
STEVEN C. MEADOWS

END PROJECT  
STA: 912+20.00 "B"

916+00

915+00

914+00

913+00

912+00

911+00

910+00

909+00

908+00

907+00

906+00

905+00

904+00

903+00

902+00

901+00

900+00

899+00

POT 916+00.00 "B"

POT 910+00.00 "B"

POT 899+00.00 "B"

S.C. 3

EXIST. RW

APP. SECT. LINE

LINE "B"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SJM	DRAWN: AAO	
CHECKED: JAP	CHECKED: JAP	

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

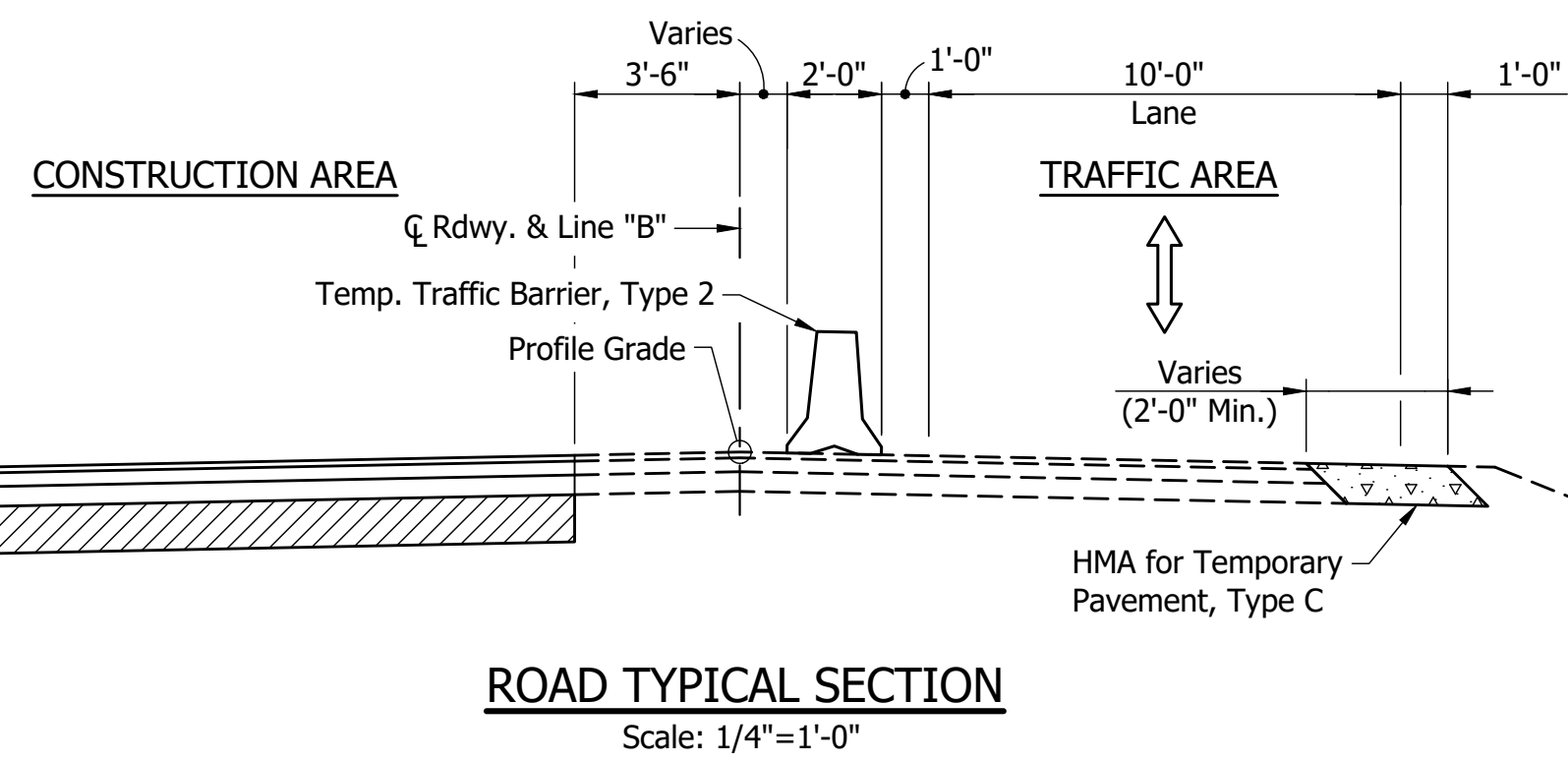
HORIZONTAL SCALE 1"=100'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE AS NOTED	DESIGNATION 1602260
DRAWING NO.	SHEETS 5 of 29
CONTRACT R-40426	PROJECT 1602260

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

- The Maintenance of Traffic listed here is only a recommendation and should the Contractor desire to adopt another Method of Maintaining Traffic during Construction, it shall be submitted to the Engineer for Review and Approval in advance of the Commencement of Work in the Affected Area.
- All Construction Signs, Drums, and Barricades shall be Equipped with Construction Warning Lights, Type A.
- Actual construction sign location shall be determined by the Engineer. The locations shown are approximate and may be adjusted by the Engineer.
- Existing Pavement Markings that conflict with the Maintenance of Traffic Scheme shall be removed prior to construction.
- The Contractor shall Furnish, Erect and Maintain all construction signs and barricades as shown.
- Maintenance of Traffic shall be in accordance with Section 104.04 and the Indiana Manual on Uniform Traffic Control Devices, dated, 2011, with Revision #1-#3, and the Maintaining Traffic Sequence for Individual Segments as detailed.
- Remove snowplowable raised pavement markers as necessary where centerline markings are to be removed. The snowplowable raised pavement markers shall be replaced.
- Portable Changeable Message Signs to be utilized as directed by the Engineer.
- The Contractor to cover 55 mph Speed Limit signs located within the Advanced sign Placement Plan.
- Place Temporary Buzz Strips at both Approaches.
- Access to Residential Drives to be maintained at all times.

**LEGEND**

- Detection Zone
  - Construction Zone
  - HMA for Temporary Pavement, Type C
  - HMA for Widening  
165#/Syd QC?QA-HMA, 2, 64, Surface, 9.5 mm, on Widening with HMA, Type B consisting of: 275#/Syd HMA Intermediate, Type B, on 6" Compacted Aggregate, No.53, Base on Subgrade Treatment, Type ID
  - Temporary Pole for Single Span
  - Push Button
  - Construction Sign and Supports
  - Construction Drums
  - Low Intensity Construction Warning Light Type A
  - Directional Traffic
  - Portable Changeable Message Sign
  - Line Removal
  - Temporary Traffic Barrier, Type 2
  - Energy Absorbing Terminal, CZ, TL-2
  - 1-Way, 3-Section (12" Red, 12" Amber, 12" Green) Signal Indication
  - Barricade Type III-B & Road Closure Sign Assembly
  - Barricade Type III-B
  - Temporary Pavement Marking, Non-Removable, 4 in. (White)
  - Temporary Pavement Marking, Removable, 4 in. (Yellow)
  - Temporary Pavement Marking, Removable, 4 in. (Yellow)
  - Temporary Transverse Pavement Marking, Removable, 24 in. (White)
- Type "A" Construction Signs**
- R11-2 Road Closed



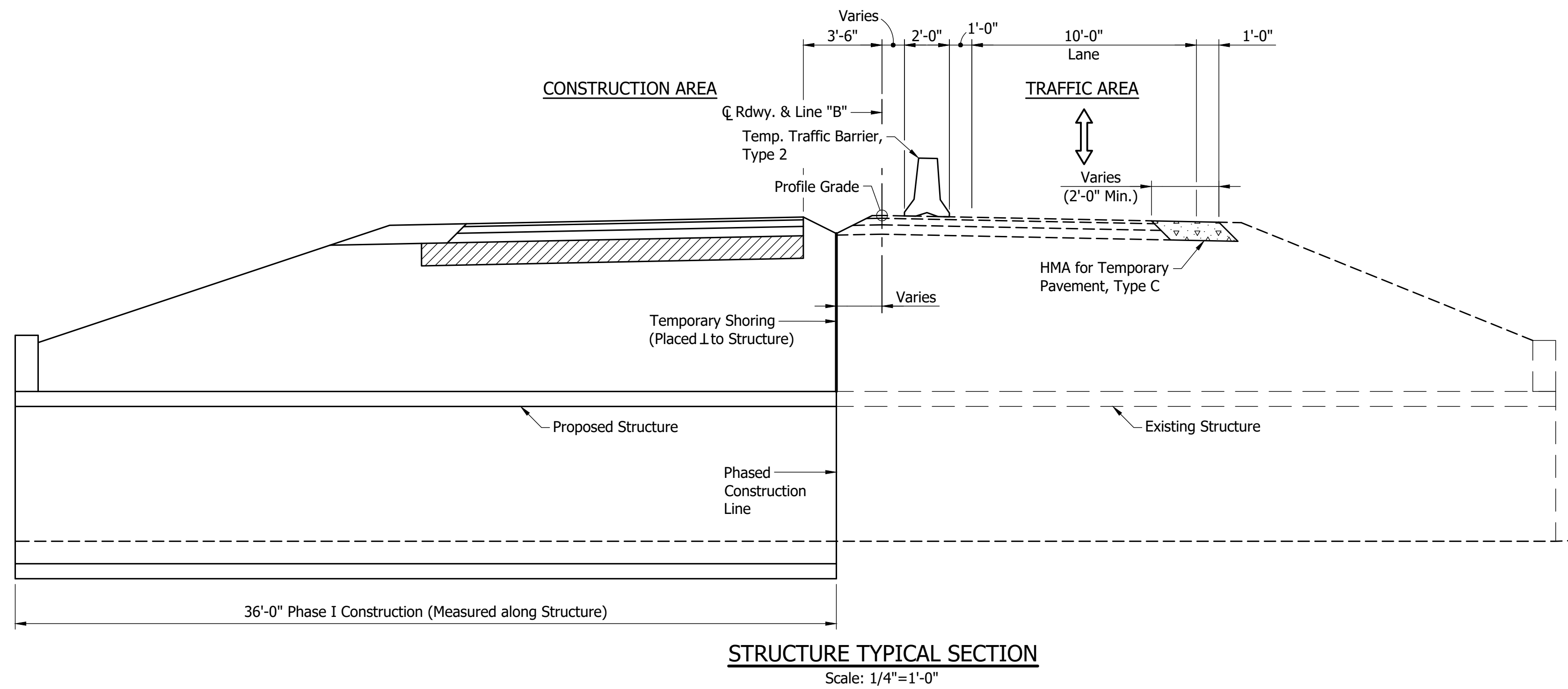
**MAINTENANCE OF TRAFFIC - PHASE I**

ITEM	QUANTITY
Construction Sign, A	EA
Construction Sign, B	EA
Maintaining Traffic	LS
Barricade, III-A	LFT
Temporary Traffic Barrier, Type 2	LFT
HMA for Temporary Pavement, Type C	TON
Joint Adhesive Surface	LFT
Joint Adhesive Intermediate	LFT
Liquid Asphalt Sealant	LFT
Subgrade Treatment, Type IB	SYS
Asphalt for Tack Coat	TON
Portable Changeable Message Sign	EA
Temporary Pavement Marking, Non-Removable, 4 In. (White)	LFT
Temporary Pavement Marking, Removable, 4 In. (White)	LFT
Temporary Transverse Pavement Marking, Removable, 24 In. (White)	LFT
Portable Signal	LS
Temporary Buzz Strips	LFT
Line, Remove	LFT
Snowplowable Raised Pavement Marker, Remove	EA
Road Closure Sign Assembly	EA

**MAINTENANCE OF TRAFFIC - TOTAL QUANTITIES**

ITEM	QUANTITY
Construction Sign, A	EA
Construction Sign, B	EA
Maintaining Traffic	LS
Barricade, III-A	LFT
Temporary Traffic Barrier, Type 2	LFT
HMA for Temporary Pavement, Type C	TON
Joint Adhesive Surface	LFT
Joint Adhesive Intermediate	LFT
Liquid Asphalt Sealant	LFT
Subgrade Treatment, Type IB	SYS
Asphalt for Tack Coat	TON
Portable Changeable Message Sign	EA
Temporary Pavement Marking, Non-Removable, 4 In. (White)	LFT
Temporary Pavement Marking, Removable, 4 In. (White)	LFT
Temporary Transverse Pavement Marking, Removable, 24 In. (White)	LFT
Portable Signal	LS
Temporary Buzz Strips	LFT
Line, Remove	LFT
Snowplowable Raised Pavement Marker, Remove	EA
Road Closure Sign Assembly	EA

Notes:  
For Additional Maintenance of Traffic Details, see Shts.7 - 8.

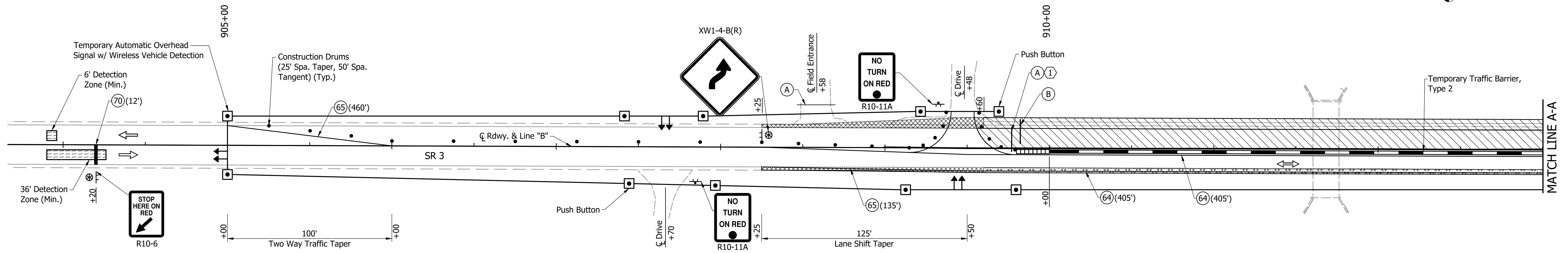


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAP _____	DRAWN: NW _____	
CHECKED: SJM _____	CHECKED: JAP _____	

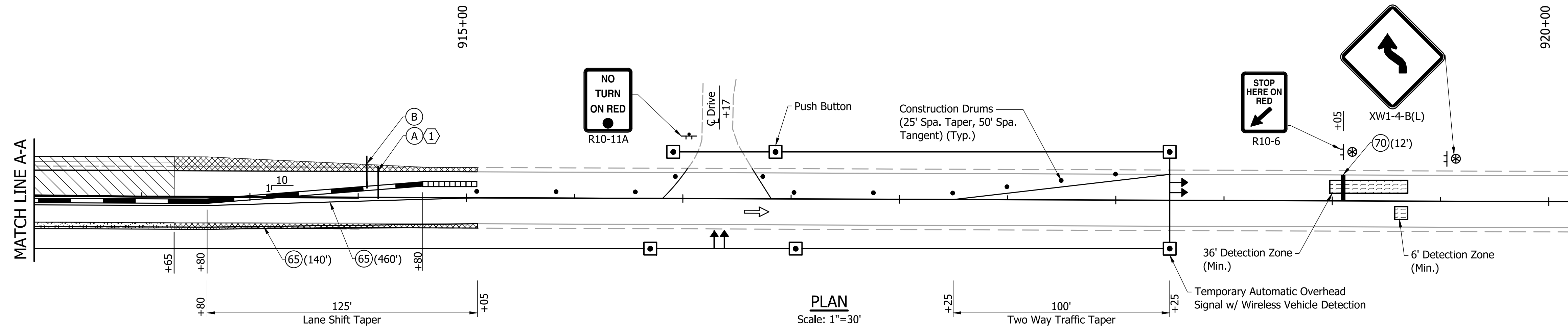
INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE I

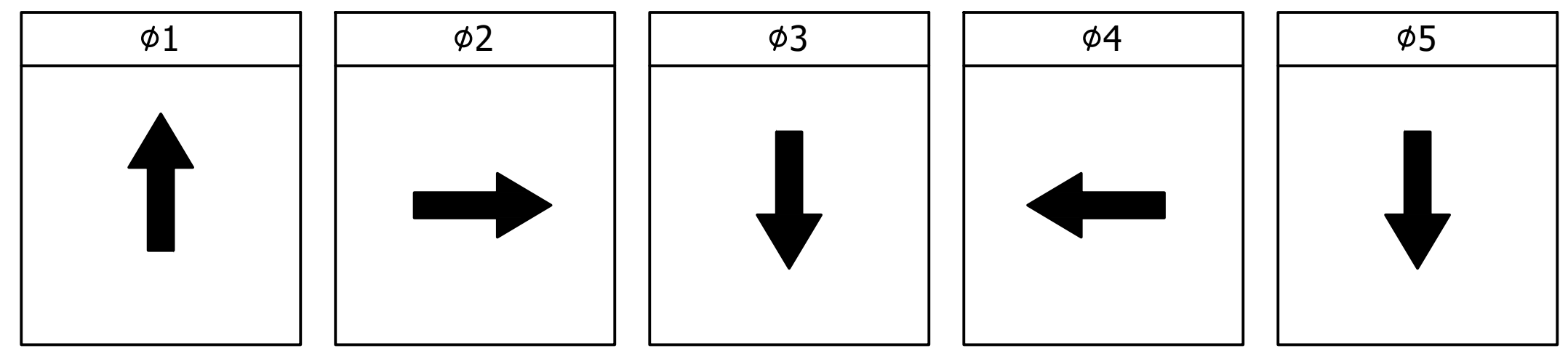
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	6 of 29
CONTRACT	PROJECT
R-40426	1602260



PLAN  
Scale: 1"=30'



PLAN  
Scale: 1"=30'

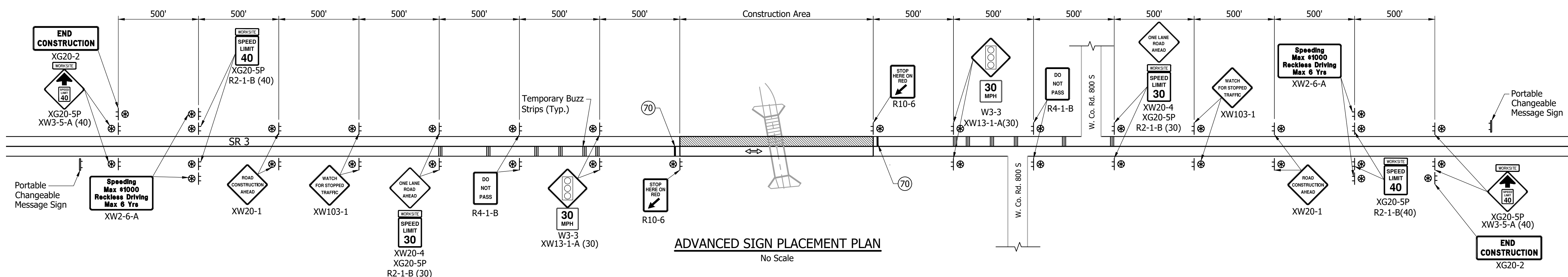


SIGNAL PHASING DIAGRAM

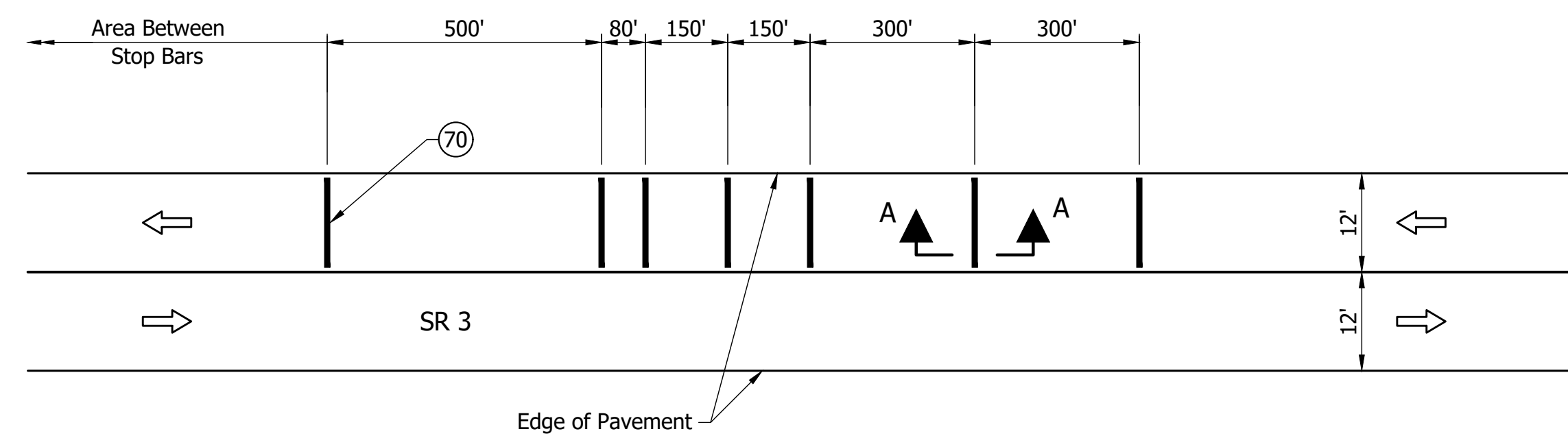
CONSTRUCTION ZONE DESIGN SPEED = 45 MPH

Notes:  
For Legend & Maintenance of Traffic General Notes, see Sht.6.  
For Advanced Sign Placement Details, see Sht.8.

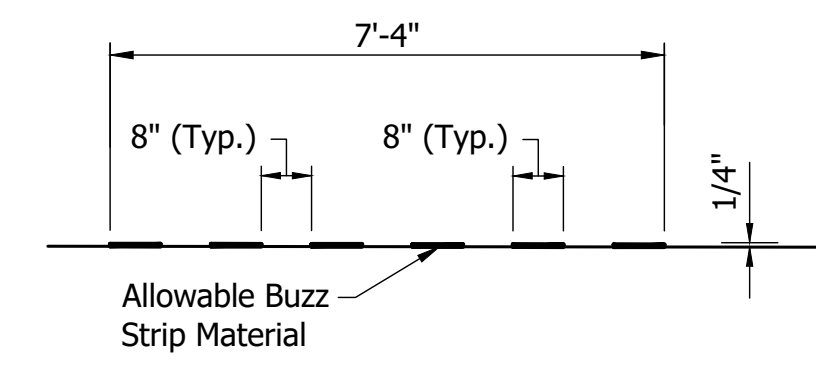
RECOMMENDED FOR APPROVAL _____ DESIGNED: JAP CHECKED: SJM	DESIGN ENGINEER _____ DRAWN: NW CHECKED: JAP	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	
			MAINTENANCE OF TRAFFIC PHASE I	
			HORIZONTAL SCALE AS NOTED	BRIDGE FILE CV 003-016-60.37
			VERTICAL SCALE AS NOTED	DESIGNATION 1602260
			DRAWING NO. R-40426	SHEETS 7 of 29
			CONTRACT	PROJECT
				1602260



**ADVANCED SIGN PLACEMENT PLAN**  
No Scale



**TEMPORARY BUZZ STRIP INSTALLATION**  
(SB Shown, NB Same by Opposite Hand)  
No Scale



**SECTION A-A**  
No Scale

CONSTRUCTION ZONE DESIGN SPEED = 45 MPH

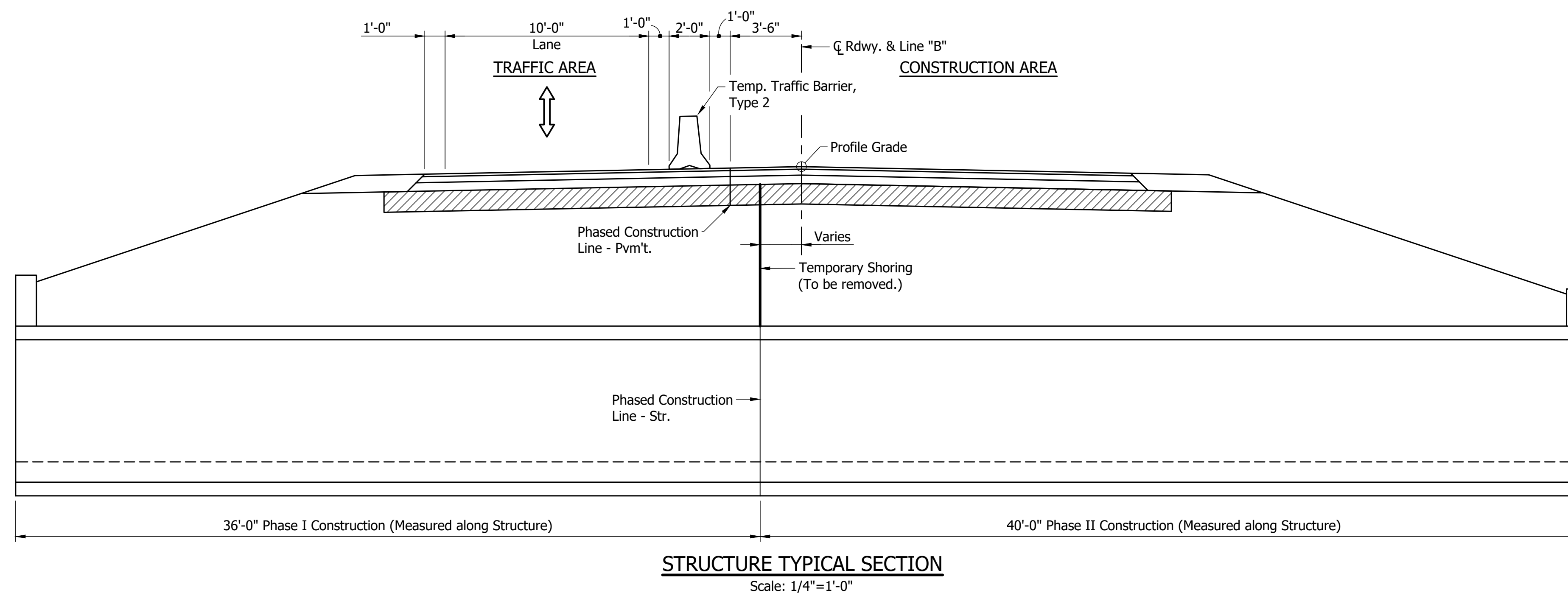
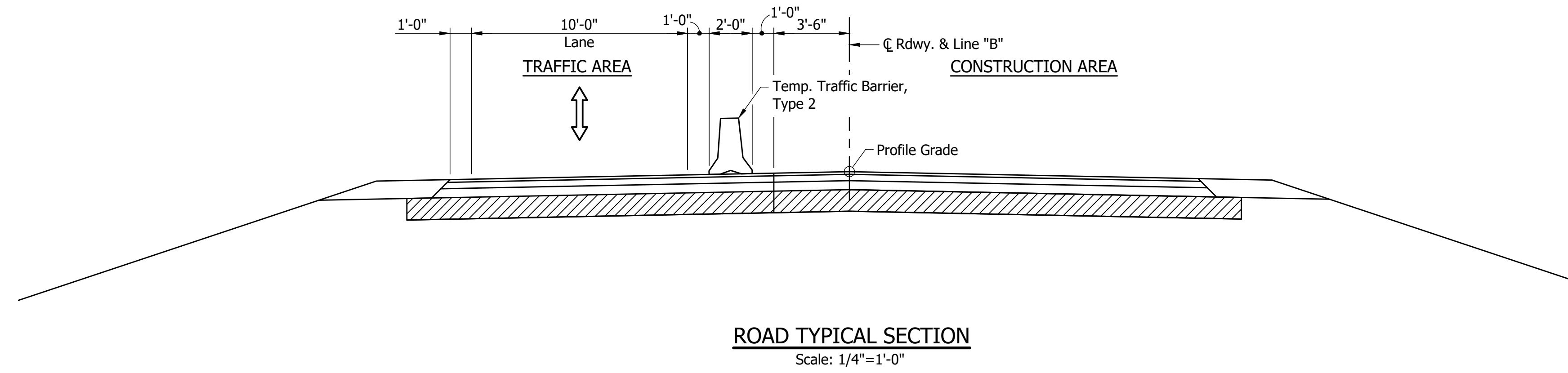
Notes:  
For Legend & Maintenance of Traffic General Notes, see Sht.6.  
For Additional Maintenance of Traffic Details, see Sht.7.

RECOMMENDED FOR APPROVAL _____ DESIGNED: JAP CHECKED: SJM	DESIGN ENGINEER _____ DRAWN: NW CHECKED: JAP	INDIANA DEPARTMENT OF TRANSPORTATION  MAINTENANCE OF TRAFFIC PHASE I	HORIZONTAL SCALE	BRIDGE FILE
			AS NOTED	CV 003-016-60.37
			VERTICAL SCALE	DESIGNATION
			AS NOTED	1602260
			DRAWING NO.	SHEETS
				8 of 29
			CONTRACT	PROJECT
			R-40426	1602260



### MAINTENANCE OF TRAFFIC - PHASE II

ITEM	QUANTITY
Construction Sign, A	EA
Construction Sign, B	EA
Maintaining Traffic	LS
Barricade, III-A	LFT
Temporary Traffic Barrier, Type 2	LFT
HMA for Temporary Pavement, Type C	TON
Joint Adhesive Surface	LFT
Joint Adhesive Intermediate	LFT
Liquid Asphalt Sealant	LFT
Subgrade Treatment, Type IB	SYS
Asphalt for Tack Coat	TON
Portable Changeable Message Sign	EA
Temporary Pavement Marking, Non-Removable, 4 In. (White)	LFT
Temporary Pavement Marking, Removable, 4 In. (White)	LFT
Temporary Transverse Pavement Marking, Removable, 24 In. (White)	LFT
Portable Signal	LS
Temporary Buzz Strips	LFT
Line, Remove	LFT
Snowplowable Raised Pavement Marker, Remove	EA
Road Closure Sign Assembly	EA

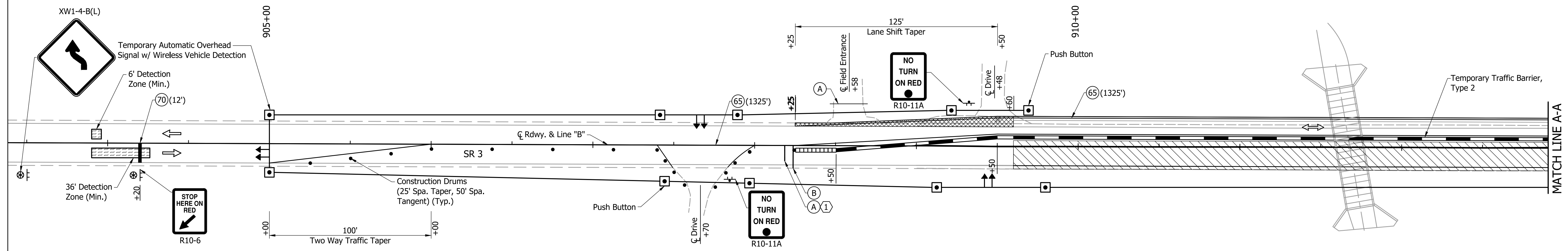
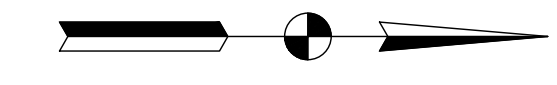


Notes:  
For Legend & Maintenance of Traffic General Notes, see Sht.6.  
For Additional Maintenance of Traffic Details, see Shts.10 - 11.

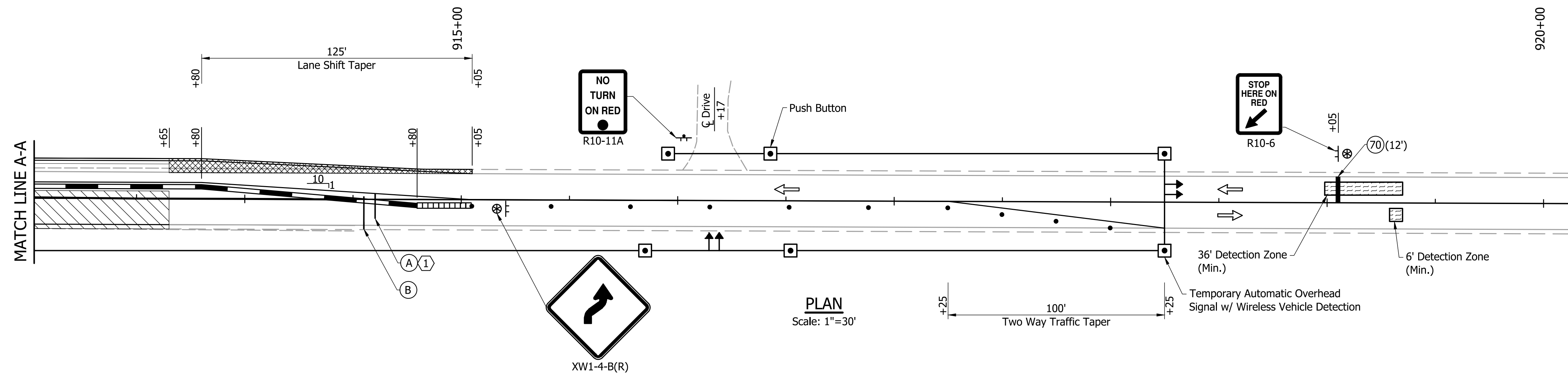
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAP _____	DRAWN: NW _____	
CHECKED: SJM _____	CHECKED: JAP _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II	

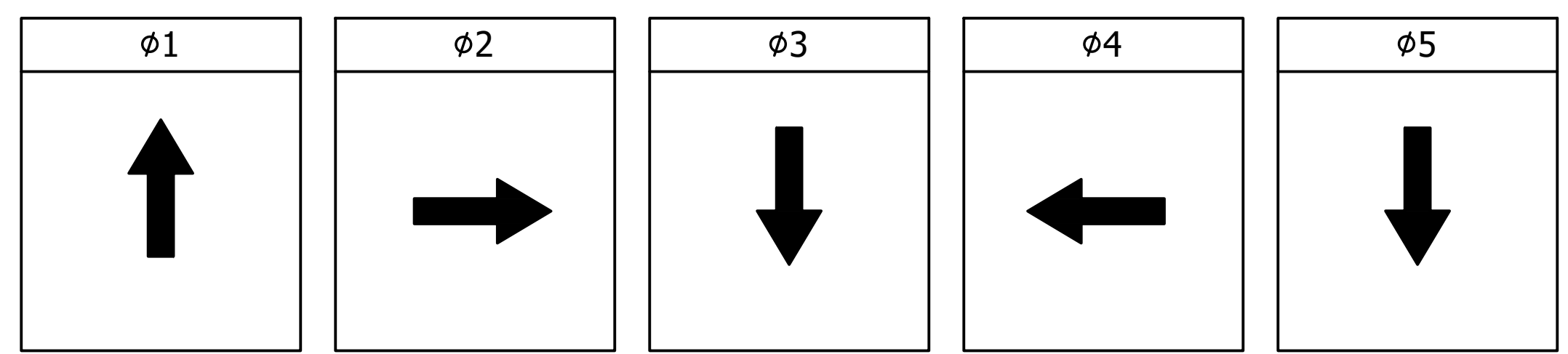
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	9 of 29
CONTRACT	PROJECT
R-40426	1602260



PLAN  
Scale: 1"=30'



PLAN  
Scale: 1"=30'



SIGNAL PHASING DIAGRAM

CONSTRUCTION ZONE DESIGN SPEED = 45 MPH

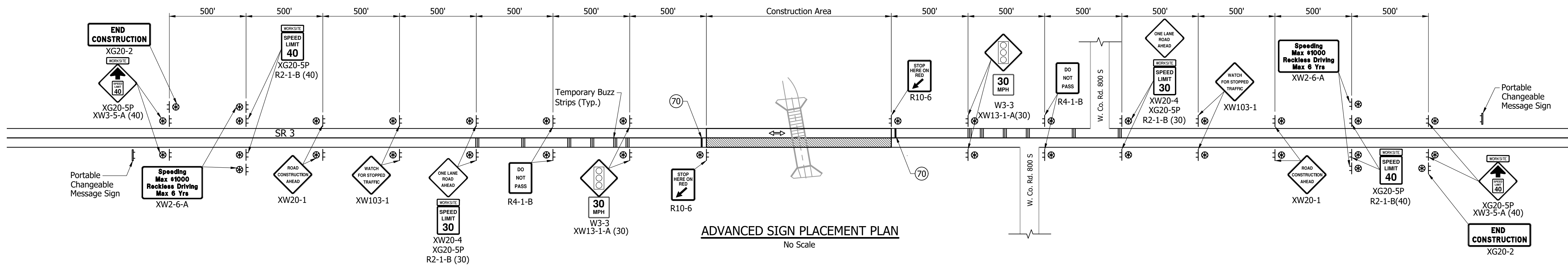
Notes:  
For Legend & Maintenance of Traffic General Notes, see Sht.6.  
For Advanced Sign Placement Details, see Sht.11.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JAP	DRAWN: NW	
CHECKED: SJM	CHECKED: JAP	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	10 of 29
CONTRACT	PROJECT
R-40426	1602260



**ADVANCED SIGN PLACEMENT PLAN**  
No Scale

CONSTRUCTION ZONE DESIGN SPEED = 45 MPH

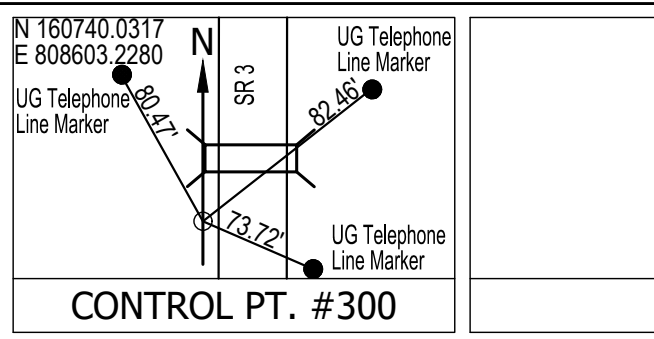
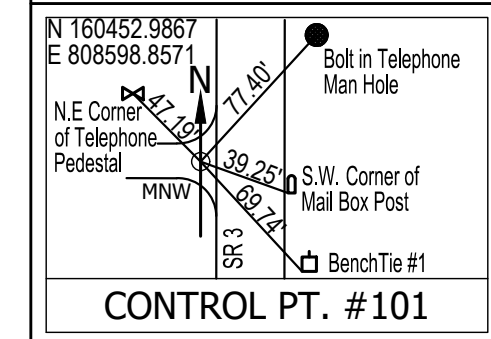
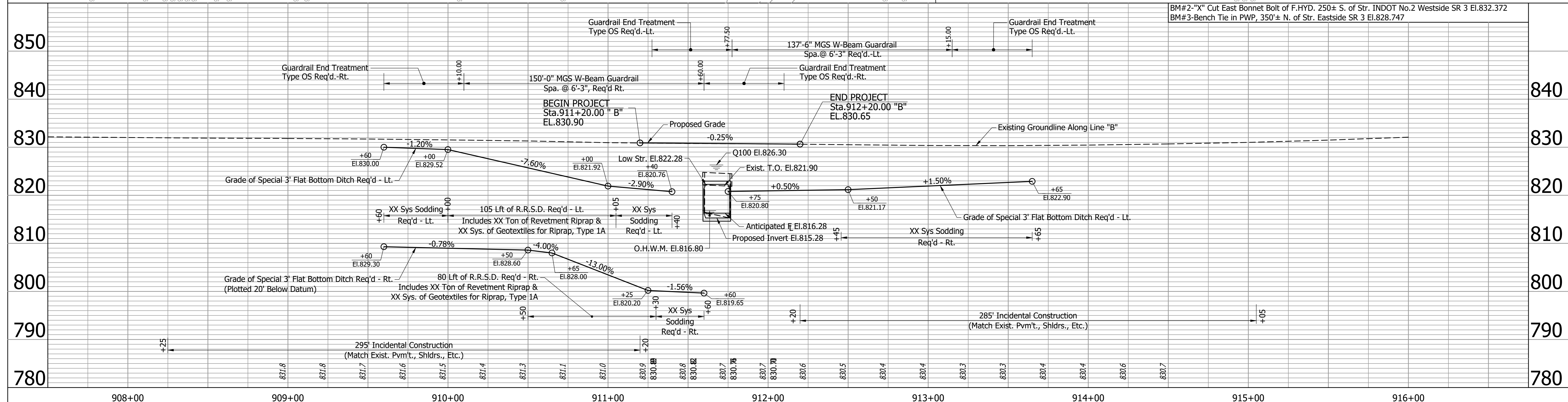
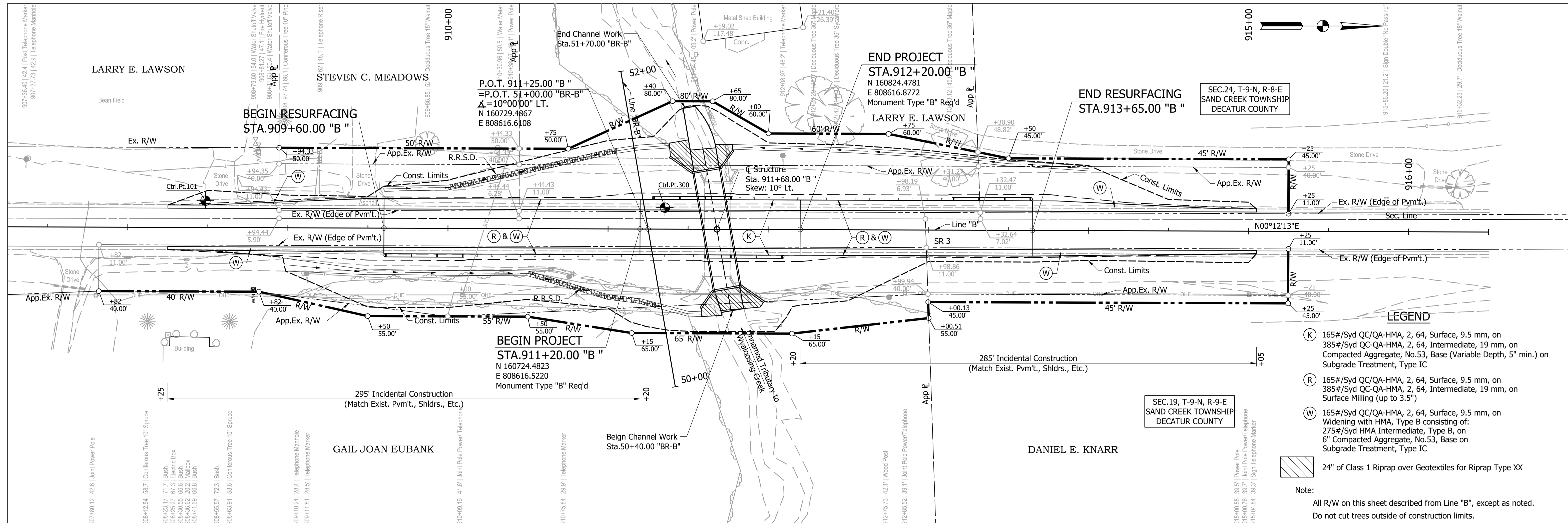
Notes:  
 For Legend & Maintenance of Traffic General Notes, see Sht.6.  
 For Temporary Buzz Strip Details, see Sht.8.  
 For Additional Maintenance of Traffic Details, see Sht.10.

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JAP _____	DRAWN: NW _____	
CHECKED: SJM _____	CHECKED: JAP _____	

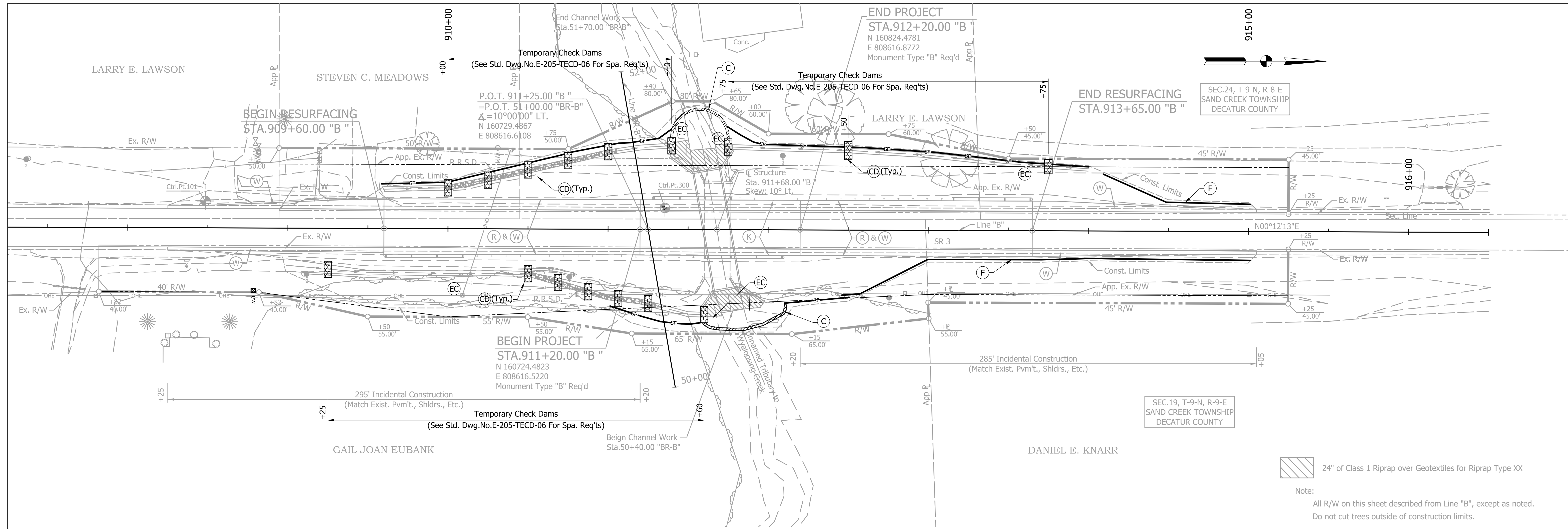
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC**  
**PHASE II**

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	11 of 29
CONTRACT	PROJECT
R-40426	1602260

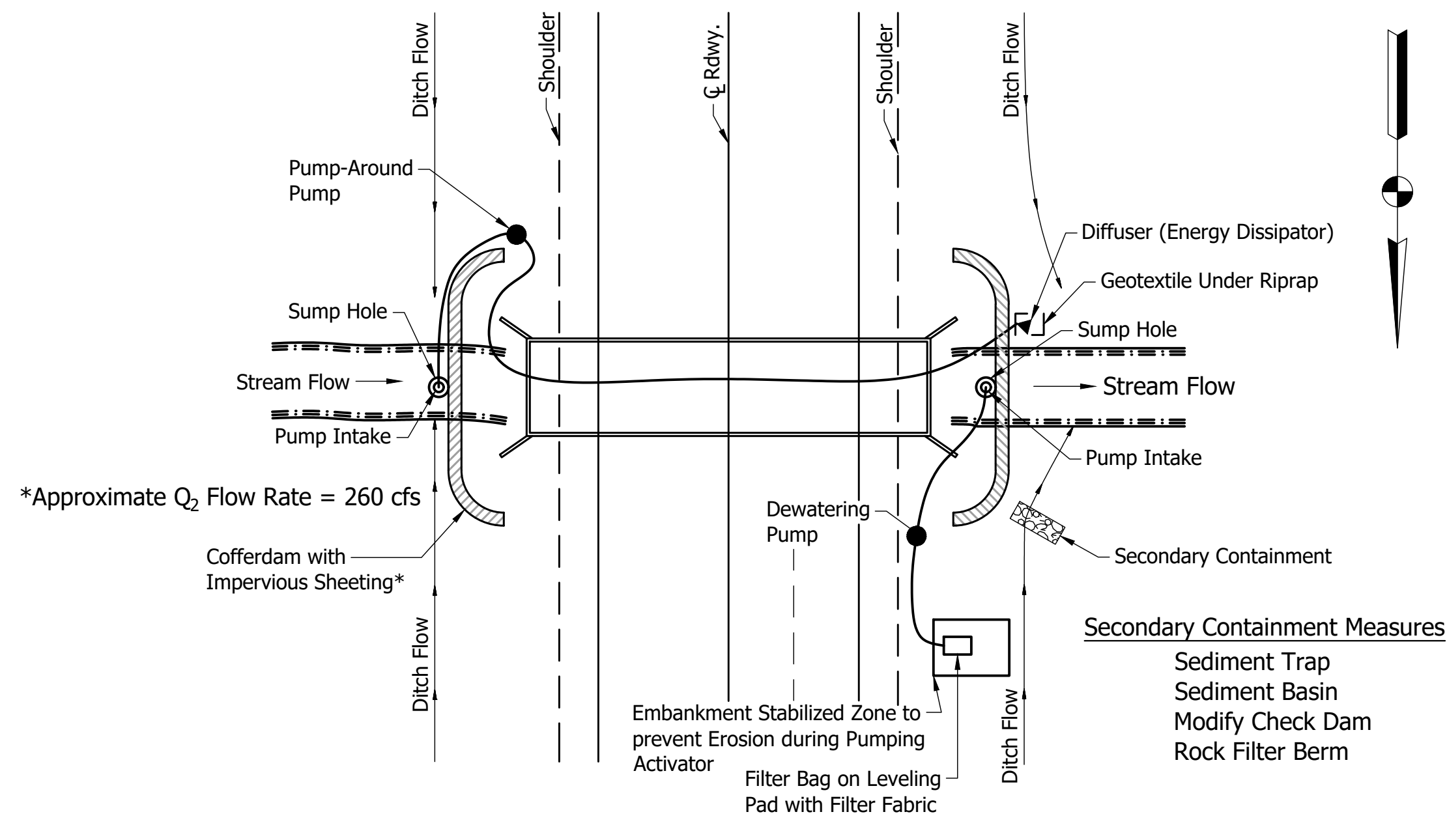


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=30'	BRIDGE FILE CV 003-016-60.37
DESIGNED: JAP	DRAWN: MEN			VERTICAL SCALE 1"=10'	DESIGNATION 1602260
CHECKED: DRT	CHECKED: JAP		PLAN AND PROFILE LINE "B"	DRAWING NO.	SHEETS 12 of 29
				CONTRACT R-40426	PROJECT 1602260

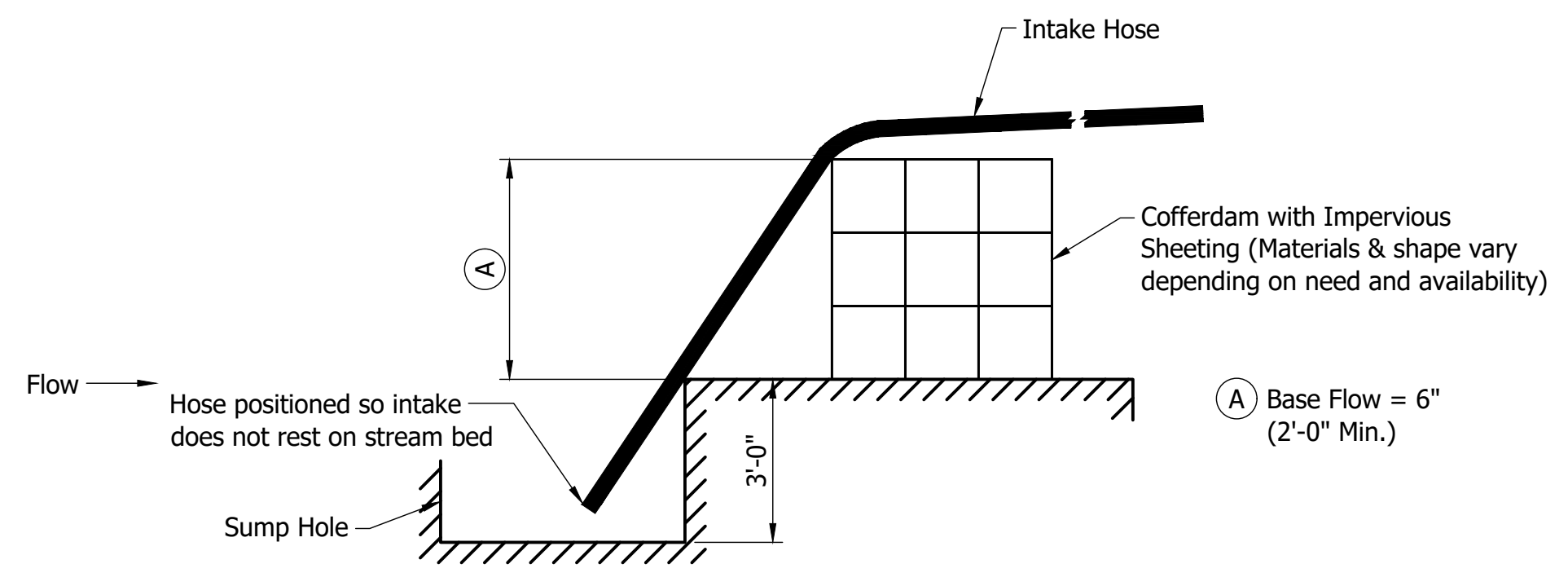


24" of Class 1 Riprap over Geotextiles for Riprap Type XX

Note:  
All R/W on this sheet described from Line "B", except as noted.  
Do not cut trees outside of construction limits.



**PUMP AROUND AND DEWATERING DETAILS**  
Detail For Illustration Purposes Only  
No Scale



**COFFERDAM/SUMP HOLE WORK AREA**  
Detail For Illustration Purposes Only  
No Scale

**LEGEND**

- SF— Temporary Silt Fence
  - (C) Temporary Cofferdam with Impervious Sheeting
  - (CD) Temporary Check Dam, Modified
  - (EC) Erosion Control Blanket (All slopes Steeper than 3:1)  
Install on Rdwy Embankment side slopes at:  
Sta.909+00 "A" Rt. to Sta.910+50 "A" Rt.  
Sta.913+00 "A" Lt. to Sta.914+00 "A" Lt.
  - (F) Temporary Filter Sock
- Note:  
Temporary Check Dams shall be one of the following:  
1. Temporary Check Dam, Traversable  
2. Temporary Check Dam, Modified
- Temporary Check Dam, Traversable shall only be used when a check dam is required to be placed within 30' from the edge of the travel lane.

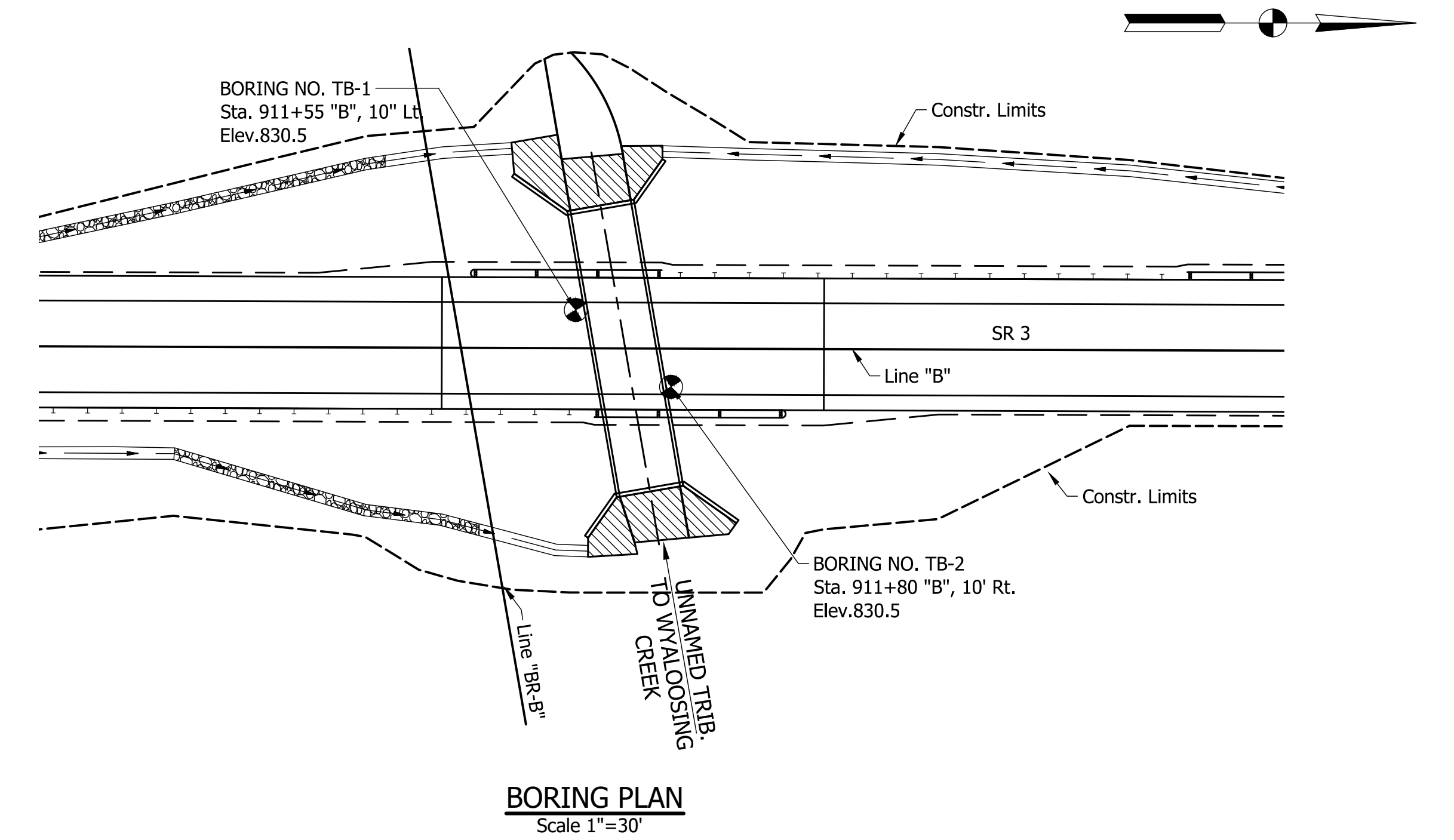
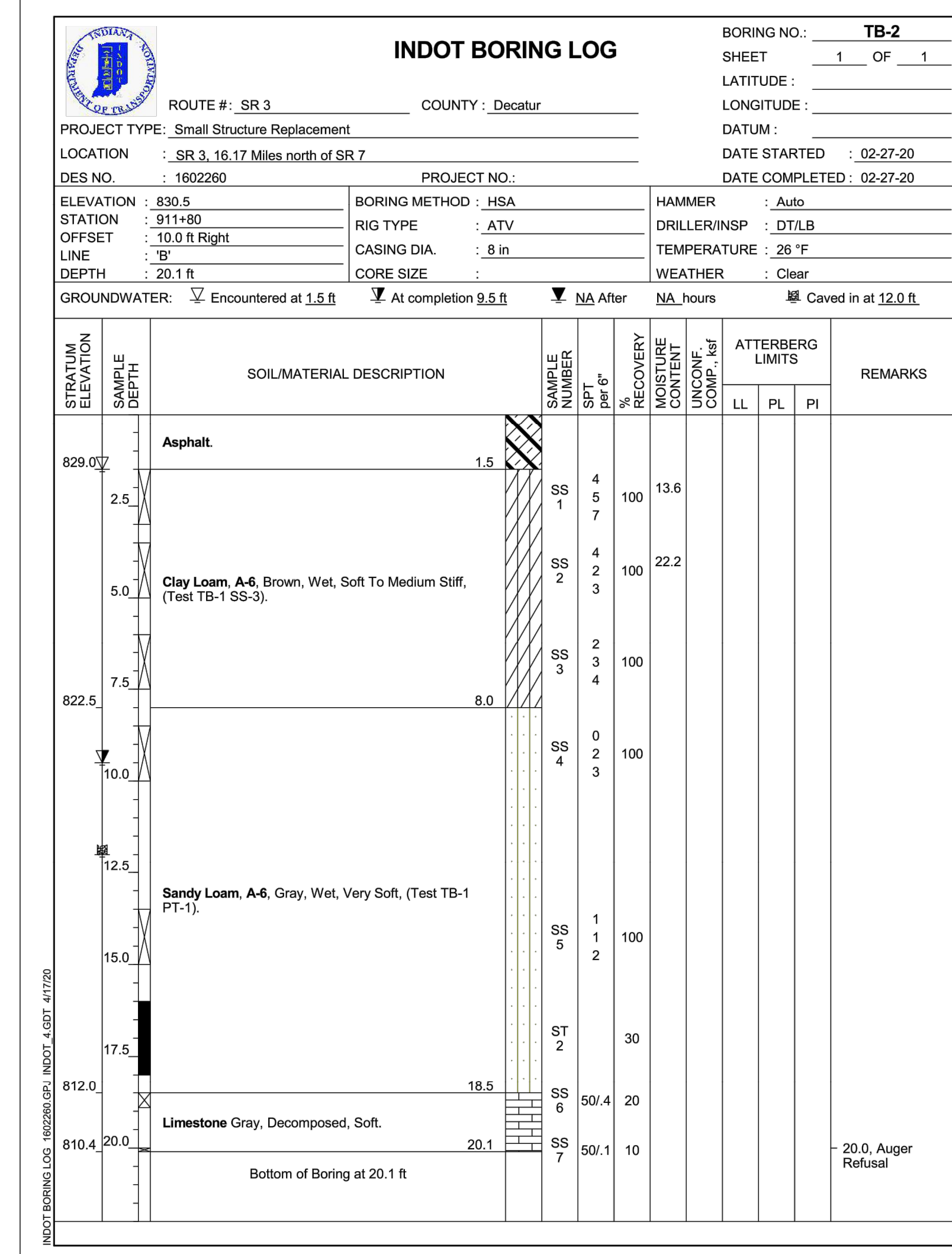
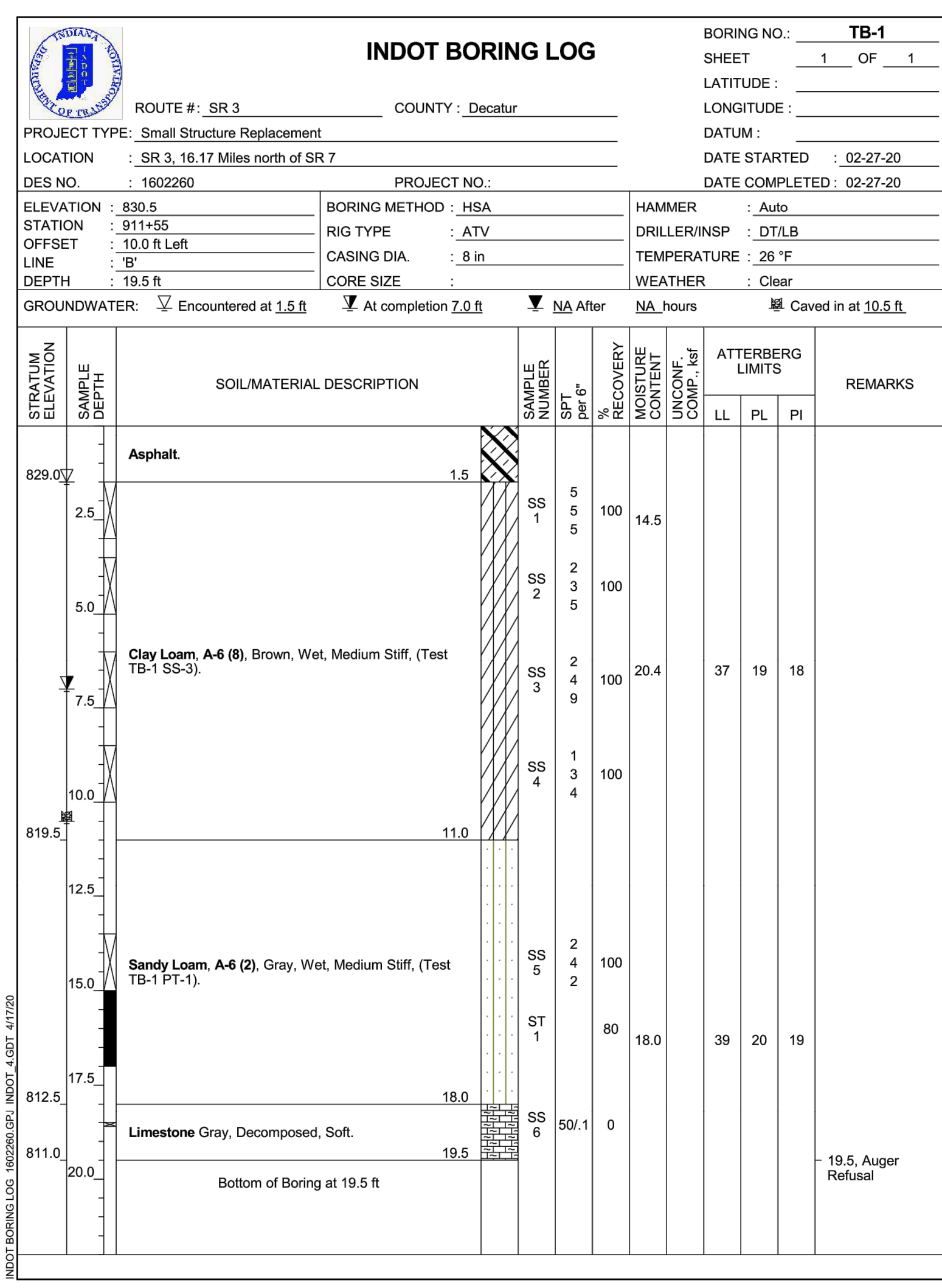
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JAP	DRAWN: ACA	
CHECKED: DRT	CHECKED: JAP	

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>EROSION CONTROL PLAN LINE "B"</b>	

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
N/A	1602260
DRAWING NO.	SHEETS
	13 of 29
CONTRACT	PROJECT
R-40426	1602260

# BORING NO. TB-1

# BORING NO. TB-2



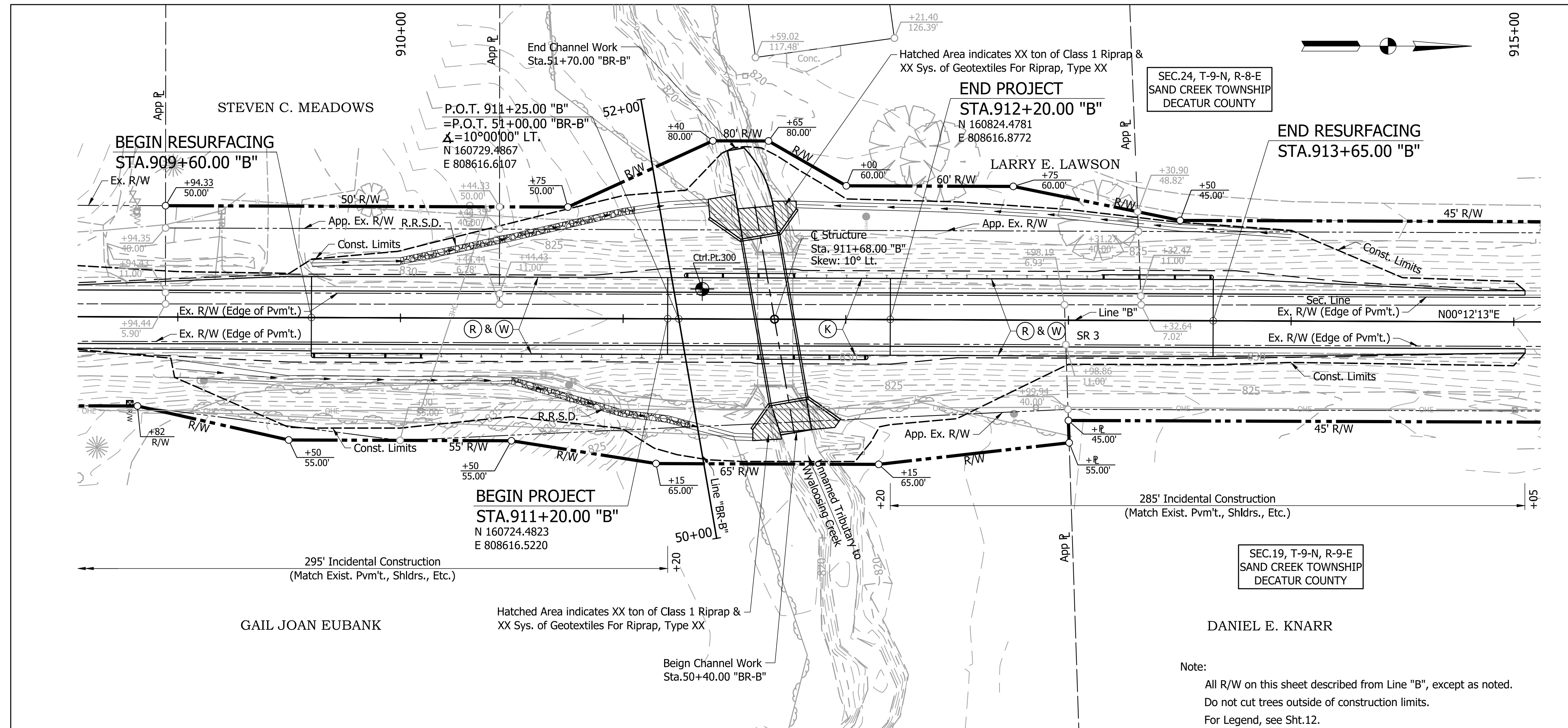
STANDARD PENETRATION TEST:  
Driving 2" O.D. Split-Barrel Sampler 18" with a 140 lb. Hammer falling 30".  
Blow counts indicate number of blows per 6" interval. First 6" for setting Sampler.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SJM	DRAWN: AAO	
CHECKED: JAP	CHECKED: JAP	

INDIANA  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
NA	1602260
DRAWING NO.	SHEETS
	14 of 29
CONTRACT	PROJECT
R-40426	1602260



**EXISTING STRUCTURE**  
 Existing Structure is a Single Span (15'-9") Reinforced Concrete Slab with a 34'-6" Clear Roadway. (To Be Removed)

**EARTHWORK SUMMARY**

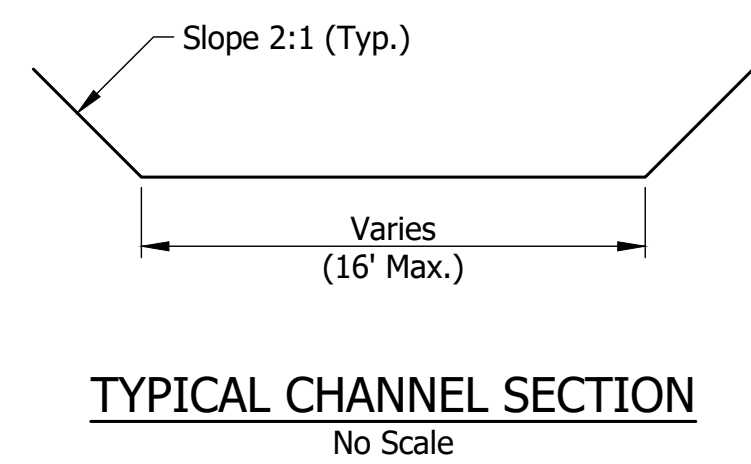
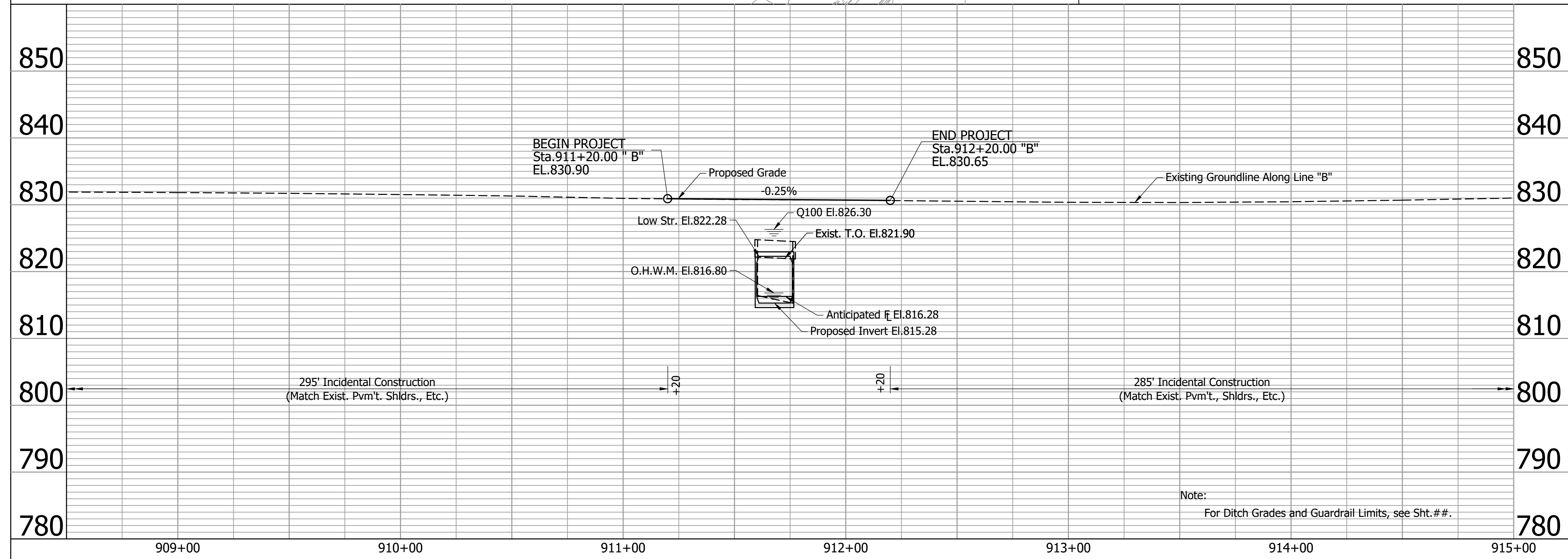
Common Excavation	XX Cys
Usable Common Excavation (20%)	XX Cys
Fill + 20%	XX Cys
Borrow	XX Cys

The estimated quantities for Benching are XX Cys for Cut and XX Cys for Fill and are not included in the Earthwork Summary.

**HYDRAULIC DATA**

Drainage Area	1.55 Sq Mi
Design Discharge, Q100	1000 cfs
High Water Elevation, Q100	El.826.30
Existing Culvert	
Waterway Area below Q100	
Net Area thru Culvert	90.9 Sft
Gross Area thru Culvert	90.9 Sft
Area over Road, Q100	0.0 Sft
Outlet Velocity thru Culvert	11.30 ft/sec
Backwater, Q100	3.52 ft
Low Structure Elevation	El.821.90
Proposed Culvert	
Waterway Area below Q100	
Net Area thru Culvert	95.0 Sft
Provided Gross Area thru Culvert	95.0 Sft
Area over Road, Q100	0.0 Sft
Outlet Velocity thru Culvert	10.53 ft/sec
Backwater, Q100	3.09 ft
Proposed Low Structure Elevation	El.822.28
Skew	10° Lt
Flowline Elevation (@ Upstream Coping)	El.816.28

Note:  
 All R/W on this sheet described from Line "B", except as noted.  
 Do not cut trees outside of construction limits.  
 For Legend, see Sht.12.



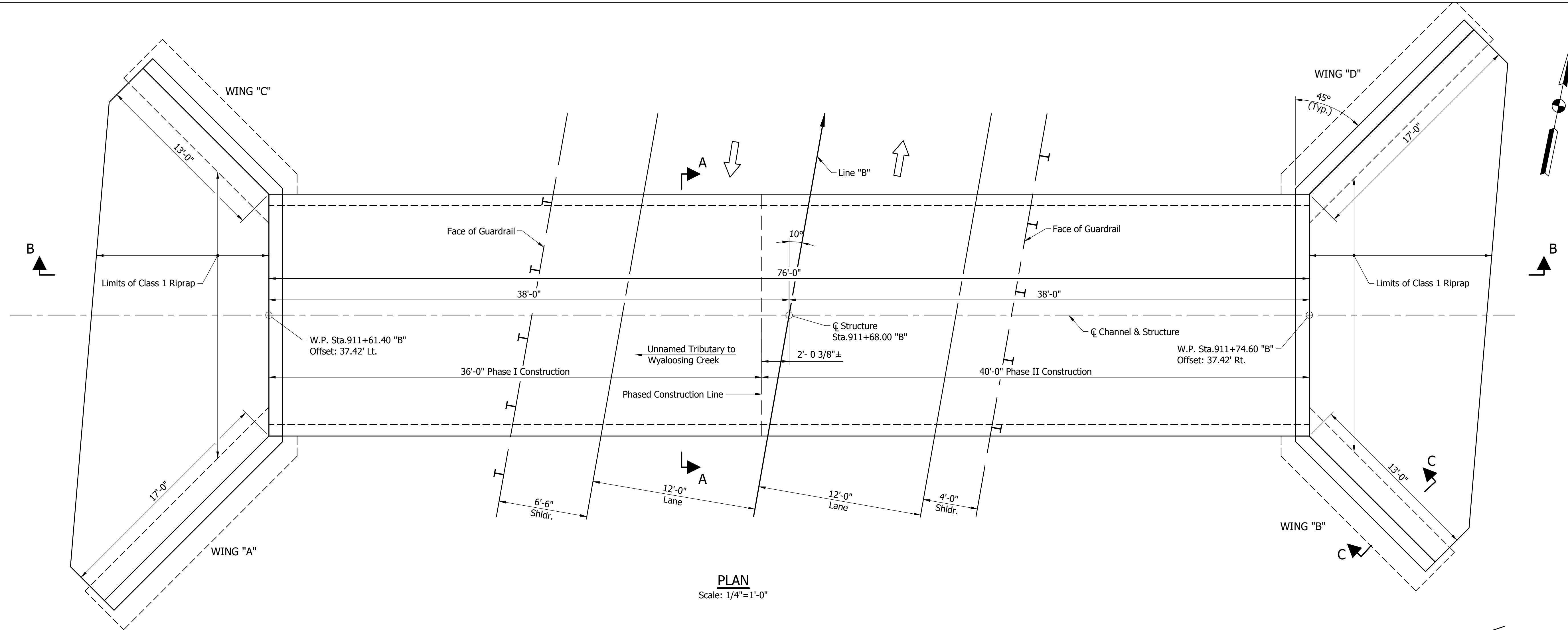
**PRECAST REINFORCED CONCRETE BOX**  
 1 SPAN: 16'  
 34'-6" CLEAR ROADWAY SKEW: 10° LT.  
 SR 3 OVER UNNAMED TRIBUTARY  
 TO WYALOOSING CREEK  
 DECATUR COUNTY

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJA	DRAWN: MEN	
CHECKED: JAP	CHECKED: JAP	

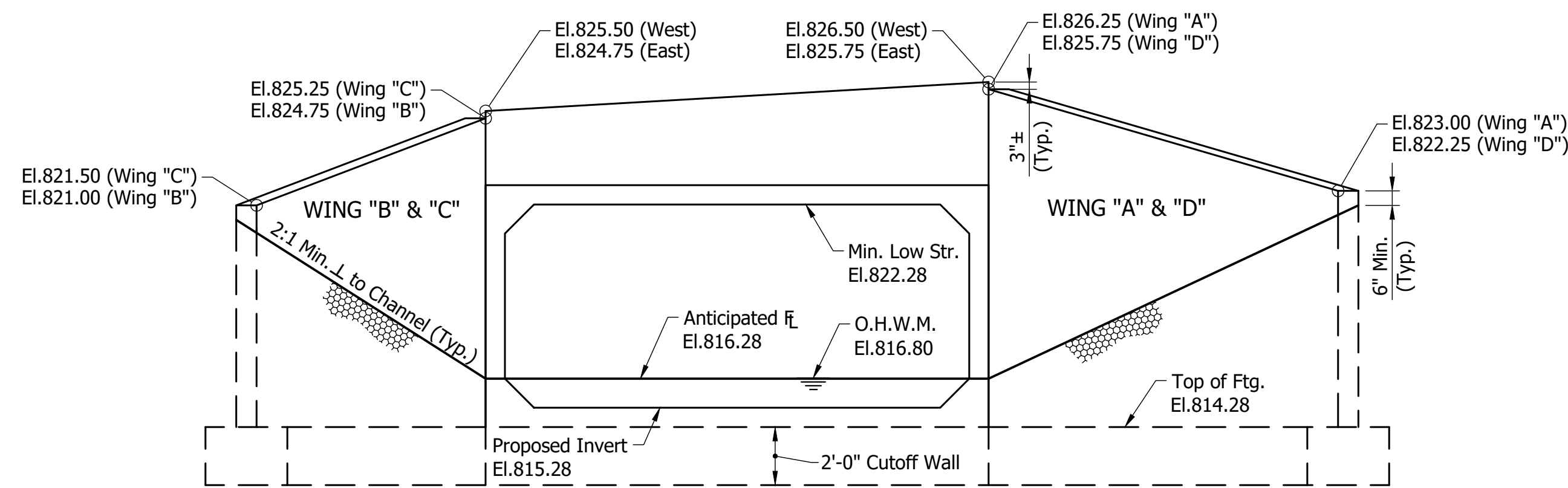
INDIANA  
 DEPARTMENT OF TRANSPORTATION

LAYOUT  
 LINE "B"

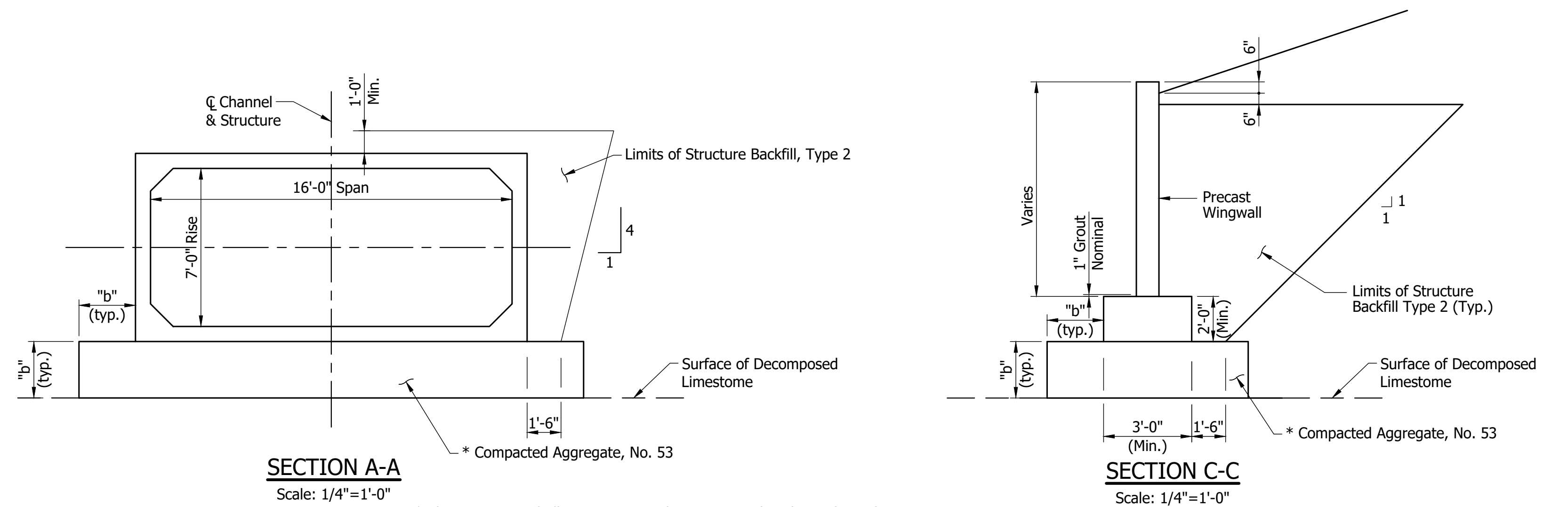
HORIZONTAL SCALE	BRIDGE FILE
1"=30'	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
1"=10'	1602260
DRAWING NO.	SHEETS
	15 of 29
CONTRACT	PROJECT
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**PLAN**  
Scale: 1/4"=1'-0"



**ELEVATION**  
Scale: 1/4"=1'-0"



**SECTION A-A**  
Scale: 1/4"=1'-0"

**SECTION C-C**  
Scale: 1/4"=1'-0"

\* The Contractor shall over excavate the existing soil to the surface of the decomposed limestone. Compacted aggregate No. 53 shall be placed between the elevation of the bottom of the box or foundation and the elevation of the decomposed limestone. If the depth of this over excavation "b" exceed 30 inches, contact the INDOT office of Geotechnical services.

Notes:  
For General Notes and Design Data, see Sht.17.  
For Section B-B, see Sht.17.

**PRECAST REINFORCED CONCRETE BOX**  
1 SPAN: 16'  
34'-6" CLEAR ROADWAY SKEW: 10° LT.  
SR 3 OVER UNNAMED TRIBUTARY  
TO WYALOOSING CREEK  
DECATUR COUNTY

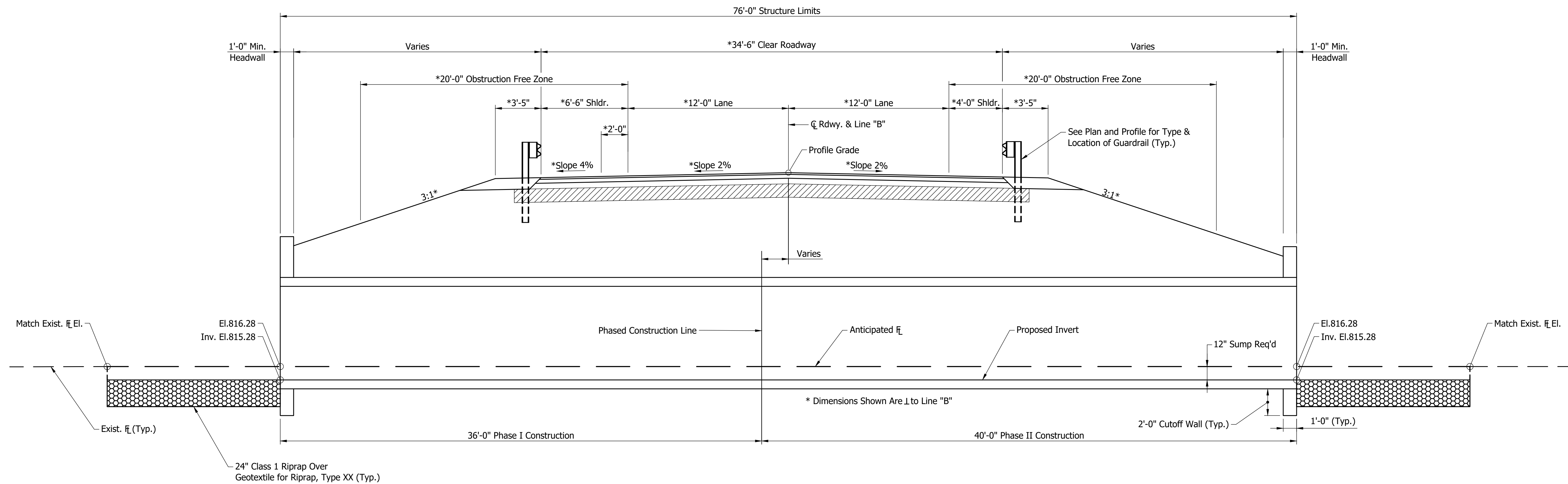
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJA	DRAWN: MEN	
CHECKED: JAP	CHECKED: JAP	

INDIANA  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
AS NOTED	1602260
DRAWING NO.	SHEETS
	16 of 29
CONTRACT	PROJECT
R-40426	1602260





**SECTION B-B**  
Scale: 1/4"=1'-0"

**Notes to Reviewer:**  
The proposed riprap was not tapered to match the existing flowline elevation at the request of INDOT hydraulics.

### GENERAL NOTES

Reinforcing steel covering in footings and base slab shall be 3" in the top and sides and 4" in the bottom. All other parts to be 2" unless otherwise noted.

Alternate Cast-In-Place Wingwalls may be substituted for the Precast Wingwall shown in Section C-C.

Contractor shall verify the existing flowline elevation to set appropriate sump depth. (1.0' Sump)

Wingwalls to be set on outside of the ends of the precast four-sided structure. The minimum width for the wingwall footing shall be 3'-0".

The exposed faces of C.I.P. headwalls to be sealed in accordance with Article 702.21 of the Specifications. (Estimated Quantity = XXX Sft.)

An alternative Three - Sided Flat Top Culvert with 16' perpendicular span and 7' rise (6'-11" Hydraulic Rise) may be substituted for the structure shown.

An alternative Three - Sided Arch Top Culvert with 16' perpendicular span and 7' rise (7'-4" Hydraulic Rise) may be substituted for the structure shown.

An alternative Three - Sided Tru-Arch structure shall not be used.

### DESIGN DATA

**LIVE LOAD:** Designed for HL-93 loading in accordance with 2017 AASHTO LRFD Bridge Design Specifications and all subsequent interims.

**DEAD LOAD:** Actual weight plus 35 psf (composite) for future wearing surface.

**DESIGN STRENGTHS:** To be in accordance with 2017 AASHTO LRFD Bridge Design Specifications and all subsequent interims.

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

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

SOIL PARAMETERS FOR FOOTING/WINGWALL DESIGN	
Bearing Resistance Factor ( $\phi_b$ )	0.45
Nominal Bearing Resistance ( $q_n$ )	8000 ksf
Factored Bearing Resistance ( $q_R$ )	3600 ksf
Friction Factor between Footing and Foundation soil	0.42
Cohesion of Foundation Soil (C)	NA
Adhesion of foundation Soil ( $C_a$ )	NA
Angle of Internal Friction of Foundation Soil ( $\phi$ )	34°
Friction Angle Between Wall and Backfill ( $\delta_i$ )	20°

WINGWALL INFORMATION		
	AREAS	LENGTH
Wing "A"	176 Sft.	17'-0"
Wing "B"	112 Sft.	13'-0"
Wing "C"	119 Sft.	13'-0"
Wing "D"	163 Sft.	17'-0"

**PRECAST REINFORCED CONCRETE BOX**  
1 SPAN: 16'  
34'-6" CLEAR ROADWAY SKEW: 10° LT.  
SR 3 OVER UNNAMED TRIBUTARY  
TO WYALOOSING CREEK  
DECATUR COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			AS NOTED	CV 003-016-60.37
DESIGNED: JJA _____ DRAWN: MEN _____	GENERAL PLAN		VERTICAL SCALE	DESIGNATION
			AS NOTED	1602260
CHECKED: JAP _____ CHECKED: JAP _____			DRAWING NO.	SHEETS
				17 of 29
			CONTRACT	PROJECT
			R-40426	1602260

### 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				QC/QA HMA FOR ROADS				PCCP FOR APPROACHES, 9"	ASPHALT MATERIAL FOR		COMPACTED AGGREGATE FOR BASE NO. 53		COMPACTED AGGREGATE FOR SURFACE NO. 73		MILLING APPROACH	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	SUBGRADE TREATMENT TYPE ID	SUBGRADE TREATMENT TYPE IIIA	SUBGRADE TREATMENT TYPE IIA	COMBINED CURB & GUTTER, TYPE C	CURB, CONCRETE, MODIFIED	CONCRETE SIDEWALK, 4"	CURB RAMP, CONCRETE, G	REMARKS	
						COMPACTED AGGREGATE NO. 73	HMA FOR APPR. TYPE B	PCCP				SURFACE TYPE B	INTERMD TYPE	BASE TYPE	HMA 2.64, SURFACE, 9.5 mm	HMA 2.64, INTERMD, 19.0 mm	HMA 2.64, BASE, 25.0 mm	PRIME COAT	TACK COAT		3"	3"																	
						LBS PER SYD						LBS PER SYD			TONS		TONS		TONS		TONS		TONS		TONS														
						LFT	LFT	FT				LFT	SYS	SYS	SYS	1 %	2 %	CUT CYS	FILL CYS		LFT	TONS	TONS	TONS	TONS	TONS													TONS
LINE "B"																																							
909+60.00 "B" to 911+20.00 "B"	Incidental																																						
911+20.00 "B" to 912+00.00 "B"	Mainline																																						
912+00.00 "B" to 913+65.00 "B"	Incidental																																						
TOTALS																																							

### STRUCTURE DATA

STRUCTURE NUMBER	LOCATION		SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	SKEW	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	CLASS 1 RIPRAP	PIPE CASING, STEEL, 20 IN.	GEOTEXTILES FOR RIPRAP TYPE IA	PIPE END SECTION	GRATED BOX END SECTION	SAFETY METAL END SECTION	CONNECT TO STR.	REMARKS																		
	STATION	LEFT CROSS RIGHT						UP STREAM	DOWN STREAM																															
	LFT	FT						ELEV.	ELEV.																															
	911+68.00 "B"	X	IN.			76	10																																	

### SHEET SIGN SUMMARY

STATION	CODE	DESCRIPTION	SIZE	ENCAPS. LENS		ENCLOSED LENS		POST LENGTH			POST PAY LENGTH			SIGN, GROUND MOUNTED, RESET
				0.08"	0.10"	-	-	1	2	3	A	SQ.	B	
TOTAL														

### PAVEMENT MARKING TABLE

LT/RT	LOCATION STATION	4 in., PAINT, SOLID WHITE EDGE LINE	4 in., PAINT, SOLID YELLOW CENTERLINE	4 in., PAINT, BROKEN YELLOW CENTERLINE	4 in., MULTICOMPONENT, SOLID, YELLOW CENTERLINE	TRANSVERSE MARKING, THERMO, STOP LINE, 24 in.
	909+60.00 "B" to 913+65.00 "B"	X		X		
TOTALS						

### PAVED SIDE DITCH, RIPRAP DITCH AND SODDING SUMMARY TABLE

LOCATION		LEFT MEDIAN RIGHT	ACTUAL LENGTH	PAVEMENT SIDE DITCH					RIPRAP DITCH				SODDING					NURSERY SODDING FOR LAWNS																			
FROM STATION	TO STATION			TOTAL EQUIVALENT PAY LENGTHS					RIPRAP REVEITEMENT	RIPRAP UNIFORM	GEOTEXTILES FOR RIPRAP TYPE IA	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING																				
				LFT	EACH	LFT	LFT	LFT											LFT	LFT	TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS									
909+60.00 "B"	911+40.00 "B"	X								X		X																									
909+60.00 "B"	911+60.00 "B"	X								X		X																									
912+45.00 "B"	913+65.00 "B"	X								X		X																									
TOTALS										X		X																									

### R/W MARKER SUMMARY

LT./RT.	STATION	OFFSET (ft)	NO. REQ'D.	FLUSH MOUNT
TOTAL				

### MAILBOX APPROACHES

LT./RT.	BOX STATION	DESCRIPTION	WIDTH, W (FT)	ASSEMBLY REQ'D		
				SINGLE	DOUBLE	TRIPLE
TOTAL						

### GUARDRAIL SUMMARY TABLE

LOCATION		LEFT MEDIAN RIGHT	STANDARD POST AT 6 FT 3 IN. SPA.	STANDARD POST AT 3 FT 1.5 IN. SPA.	DOUBLE FACED AT 6 FT 3 IN. SPA.	DOUBLE FACED AT 3 FT 1.5 IN. SPA.	SHOP CURVED AT ____ FT. SPA.	NESTING GUARDRAIL	GUARDRAIL FLARE RATE	GUARDRAIL TRANSITION TYPE TGB	GUARDRAIL TRANSITION TYPE _____	GUARDRAIL END TREATMENT TYPE OS	CURVED W-BEAM GUARDRAIL SYSTEM				REMARKS																			
FROM STATION	TO STATION												TERMINAL SYSTEM		CONNECTOR SYSTEM			GUARDRAIL REMOVE	GUARDRAIL RESET	IMPACT ATTENUATOR TYPE CR-1, WI, TL-2	IMPACT ATTENUATOR TYPE _____															
													TYPE	EACH	TYPE	EACH																				
910+10.00 "B"	911+60.00 "B"	X	150									2																								
911+77.50 "B"	913+15.00 "B"	X	137.5									2																								
TOTALS			287.5									4																								

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

DESIGNED: JJA DRAWN: MEN  
CHECKED: JAP CHECKED: JAP

INDIANA  
DEPARTMENT OF TRANSPORTATION

ROAD SUMMARY OF QUANTITIES

HORIZONTAL SCALE	BRIDGE FILE
N/A	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
N/A	1602260
DRAWING NO.	SHEETS
	18 of 29
CONTRACT	PROJECT
R-40426	1602260

## PIPE MATERIAL TABLE

PIPE TYPE/SHAPE									
SMOOTH PIPE SIZE									
CORRUGATED PIPE SIZE									
RCP/ RCHEP (S)	CLASS								
	D <sub>0.01</sub> RATING								
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)									
CORRUGATED PE PIPE, TYPE S (S) *									
RIBBED PE PIPE									
SMOOTH WALL PE PIPE (S)/ MAXIMUM DR									
PROFILE WALL PVC PIPE (S)									
SMOOTH WALL PVC PIPE (S)									
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)									
CORRUGATED STEEL PIPE/ PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS							
	ZINC COATED (C)	CORR. PROFILE THICKNESS							
	ZINC COATED W/ BPI (LS)	CORR. PROFILE THICKNESS							
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS							
	ALUM. COATED TYPE 2 W/ BPI (LS)	CORR. PROFILE THICKNESS							
	POLYMER PRECOATED GALVANIZED TYPE 1A (S)	CORR. PROFILE THICKNESS							
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE THICKNESS							
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS							
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE THICKNESS							
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (RIVETED)	CORR. PROFILE THICKNESS							
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (LS)	CORR. PROFILE THICKNESS							
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE THICKNESS							
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE THICKNESS							
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **							
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **							

### LEGEND

- RCP - REINFORCED CONCRETE PIPE
- RCHEP - REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
- PE - POLYETHYLENE
- DR - DIMENSION RATIO
- PVC - POLYVINYL CHLORIDE
- BIT - BITUMINOUS
- CORR - CORRUGATION
- BPI - BITUMINOUS PAVED INVERT
- ALUM - ALUMINUM
- STR - STRUCTURAL
- CFP - CONCRETE FIELD PAVING
- (S) - SMOOTH PIPE MATERIAL
- (C) - CORRUGATED PIPE MATERIAL
- OK - ACCEPTABLE FOR USE
- (LS) - LOCK SEAM PIPE REQUIRED
- (SP) - PERFORATED SMOOTH PIPE MATERIAL
- \* - REFER TO STANDARD DRAWING 715-PHCL-18 OR -19 FOR DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER.
- \*\* - TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.
- \*\*\* - UNDISTRIBUTED QUANTITY

## TEMPORARY EROSION CONTROL TABLE

LOCATION	TEMPORARY SILT FENCE	DRAINAGE BARRIER AT SWALE	TEMPORARY INLET PROTECTION	TEMPORARY SLOPE DRAIN	CHECK DAM	CHECK DAM	TEMPORARY CHECK DAM, REVETMENT RIPRAP	TEMPORARY CHECK DAM, REVETMENT RIPRAP, MODIFIED	TEMPORARY CHECK DAM, TRAVERSABLE	TEMPORARY FILTER BERM	TEMPORARY SEDIMENT TRAP	TEMPORARY GEOTEXTILE	TEMPORARY FILTER STONE	SEDIMENT, REMOVE	NO.2 STONE	TEMPORARY MULCH	TEMPORARY SEED MIXTURE	FERTILIZER	TEMPORARY MULCH STABILIZATION, TYPE	MANUFACTURED SURFACE PROTECTION PRODUCT, TYPE	EROSION CONTROL BLANKETS	
	LFT	LFT	EACH	LFT	NO.REQ'D. EACH	SPA. LFT	TON	TON	LFT	LFT	TON	SYS	TON	CYS	TON	TON	LBS	TON	SYS	SYS	SYS	
	STATION TO STATION																					
TOTAL																						

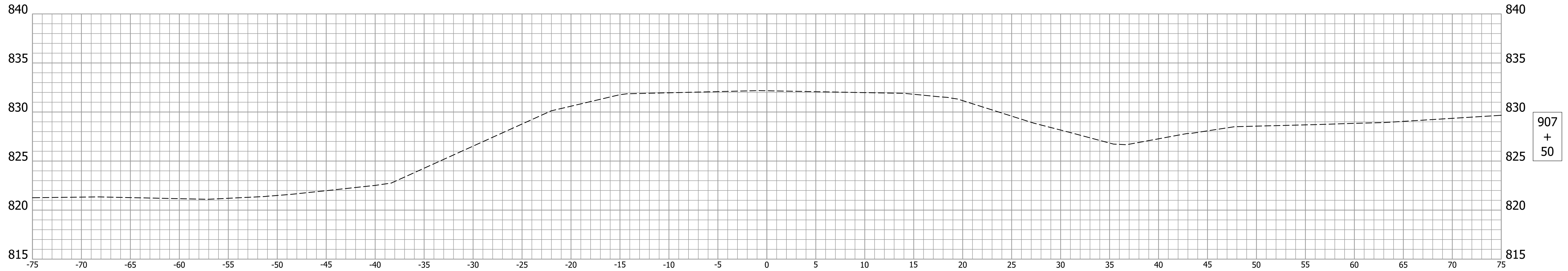
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DESIGN ENGINEER DATE \_\_\_\_\_

DESIGNED: JJA DRAWN: MEN  
 CHECKED: JAP CHECKED: JAP

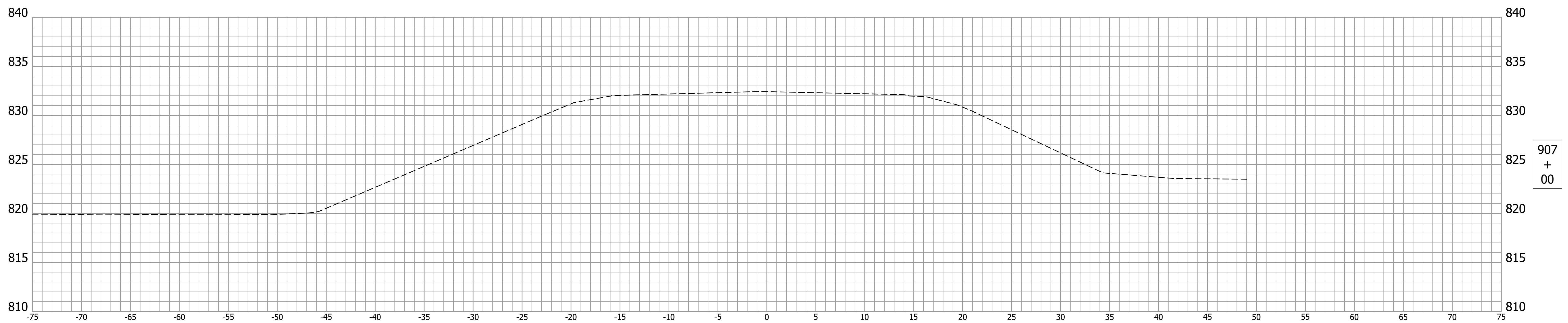
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**ROAD SUMMARY OF QUANTITIES**

HORIZONTAL SCALE	BRIDGE FILE
N/A	CV 003-016-60.37
VERTICAL SCALE	DESIGNATION
N/A	1602260
DRAWING NO.	SHEETS
CONTRACT	19 of 29
R-40426	PROJECT
	1602260



907  
+  
50



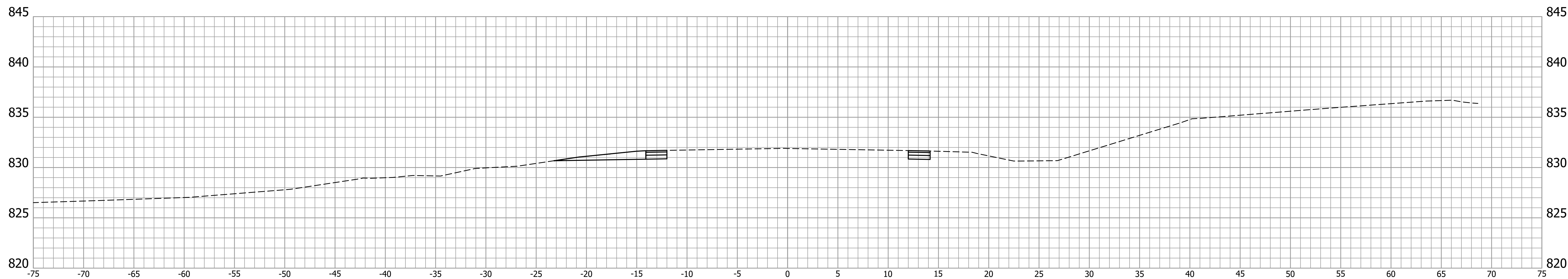
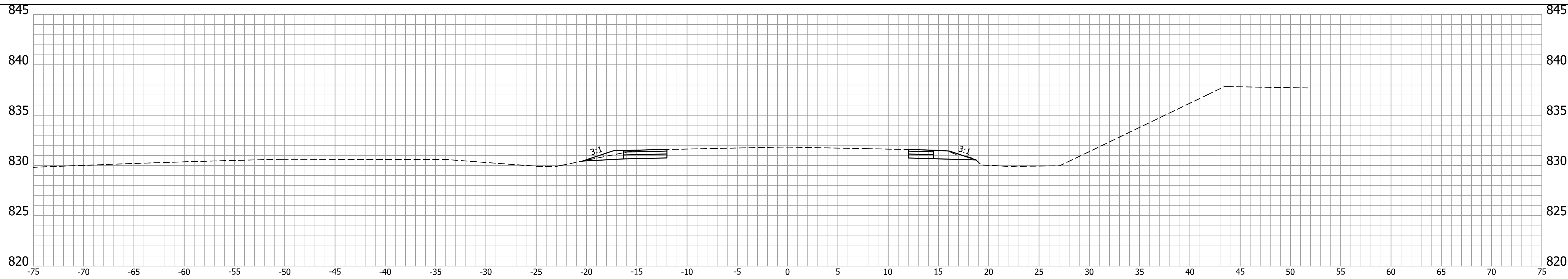
907  
+  
00

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

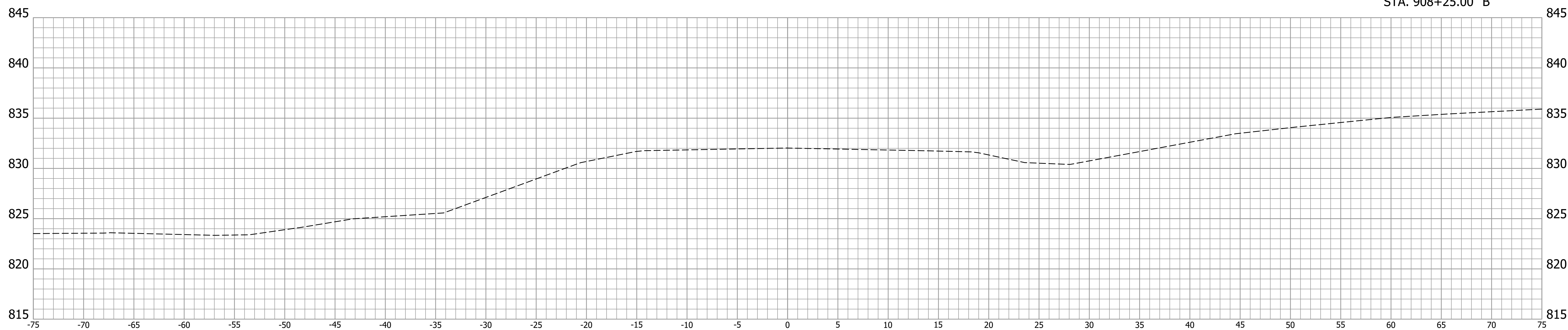
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	20 of 29
CONTRACT R-40426	PROJECT 1602260



BEGIN INCIDENTAL CONSTRUCTION  
STA. 908+25.00 "B"

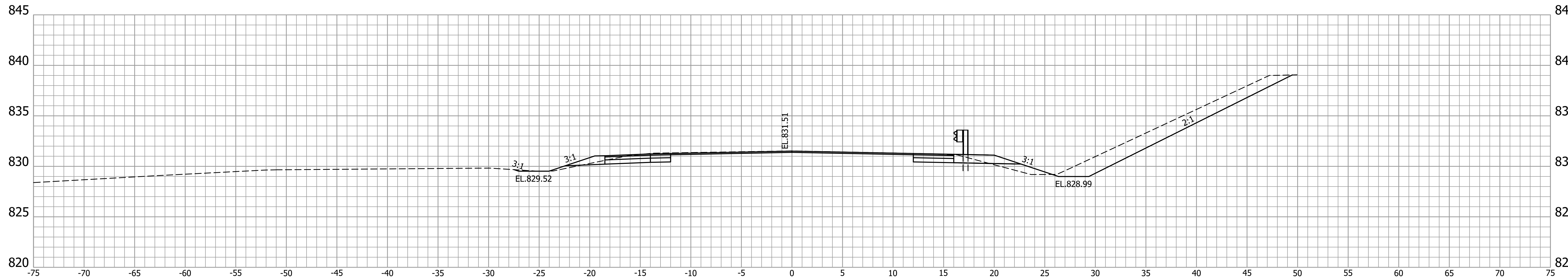


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJA	DRAWN: MEN	
CHECKED: JAP	CHECKED: JAP	

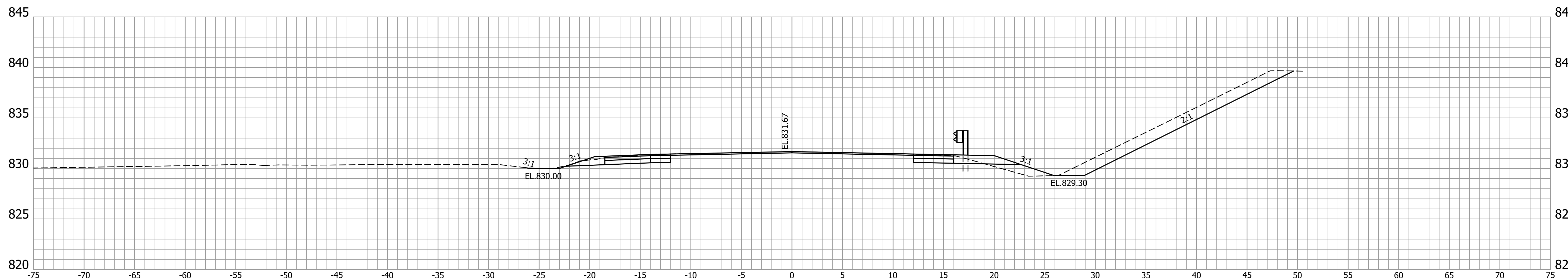
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

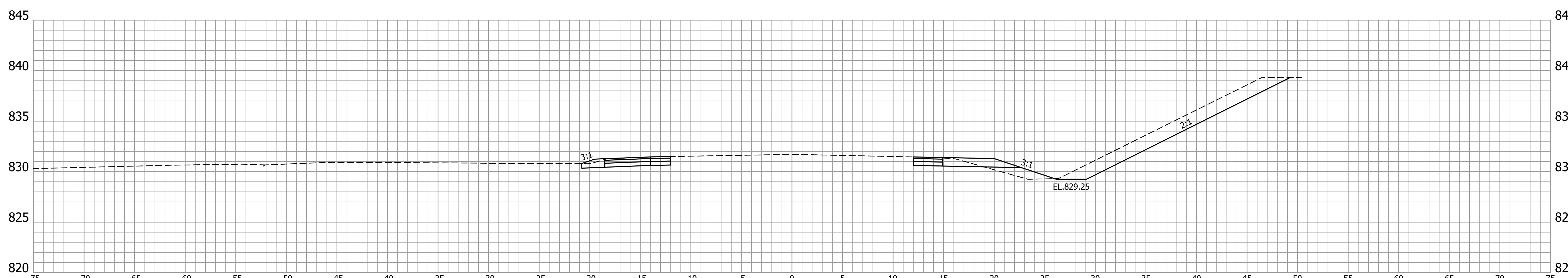
HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	21 of 29
CONTRACT R-40426	PROJECT 1602260



910  
+  
00



909  
+  
60



909  
+  
50

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

DESIGNED: JJA DRAWN: MEN  
CHECKED: JAP CHECKED: JAP

INDIANA  
DEPARTMENT OF TRANSPORTATION

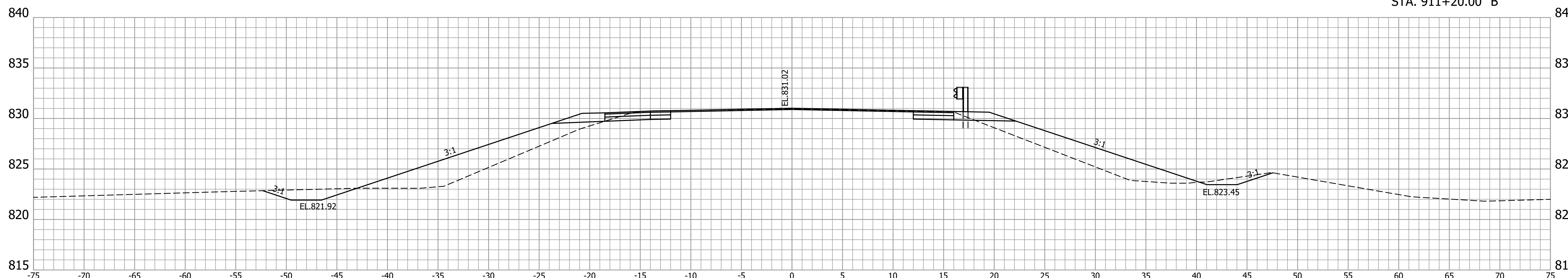
CROSS SECTIONS  
LINE "B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS 22 of 29
CONTRACT R-40426	PROJECT 1602260

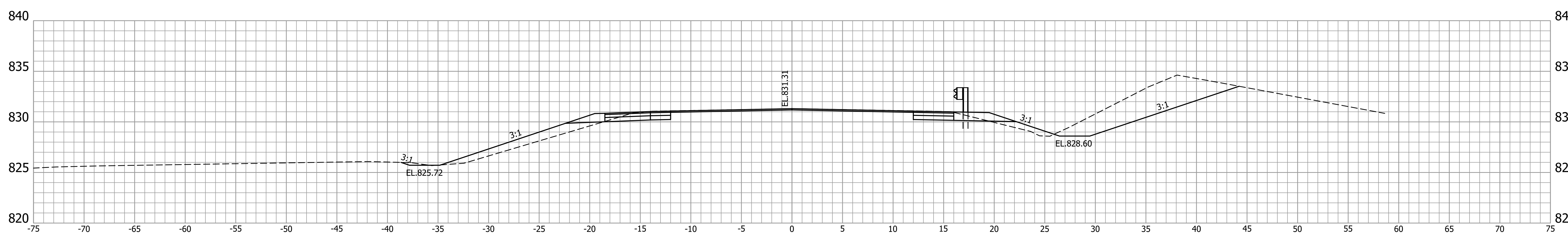


BEGIN PROJECT  
STA. 911+20.00 "B"

911  
+  
20



911  
+  
00



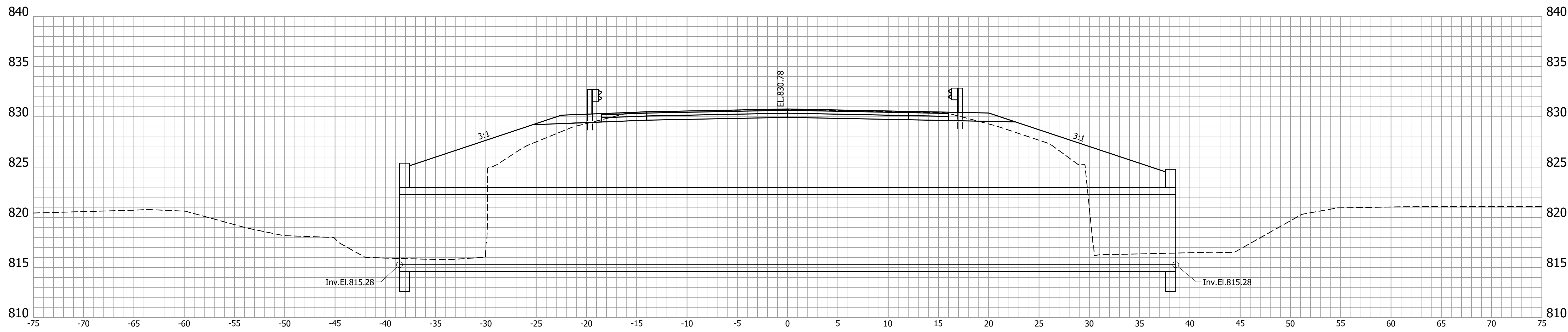
910  
+  
50

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

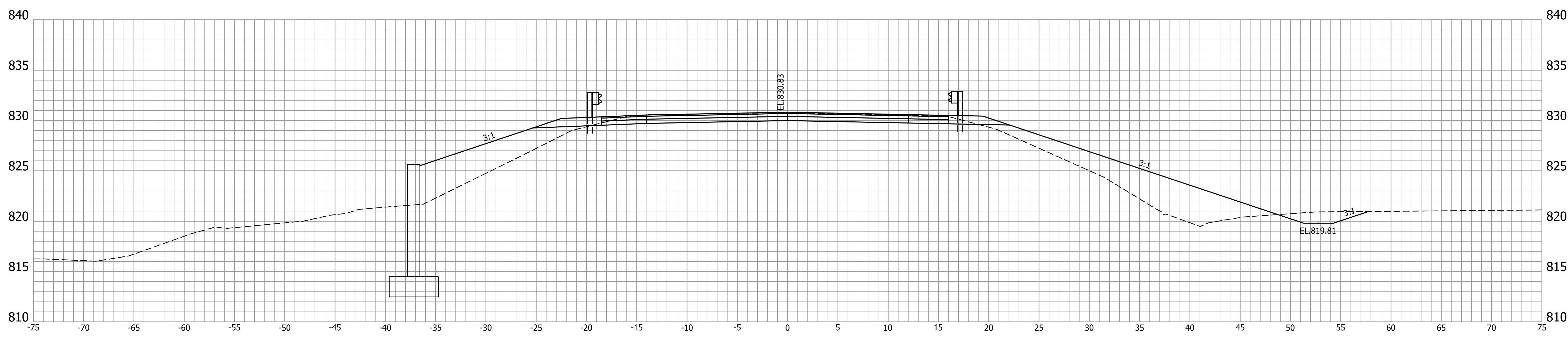
INDIANA  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS  
LINE "B"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	23 of 29
CONTRACT R-40426	PROJECT 1602260



911  
+  
68



911  
+  
50

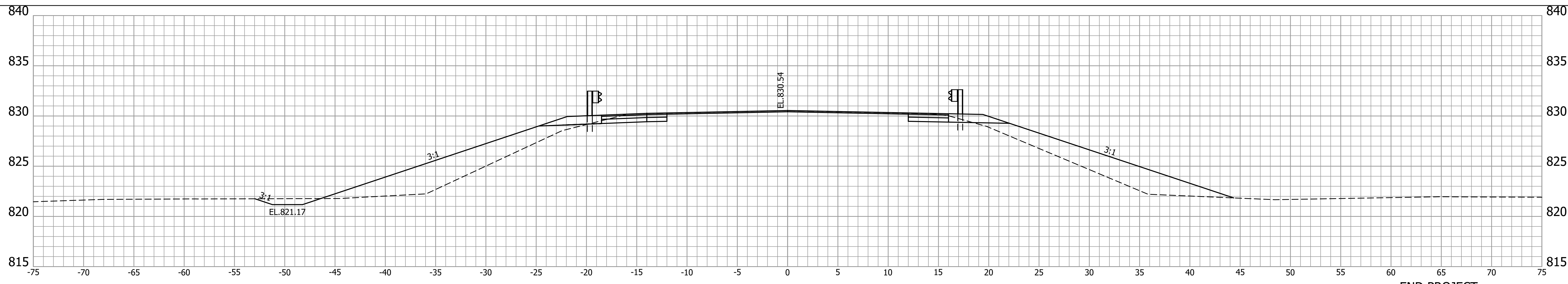
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS  
LINE "B"**

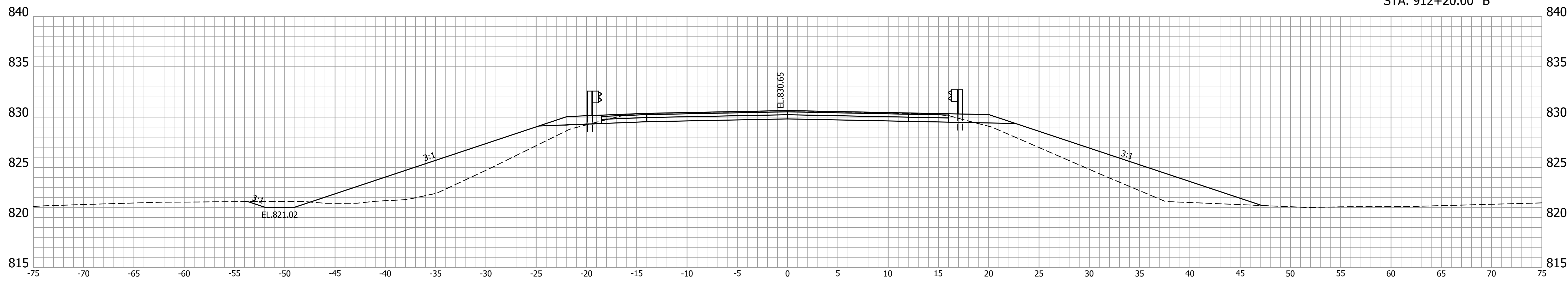
HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	24 of 29
CONTRACT R-40426	PROJECT 1602260



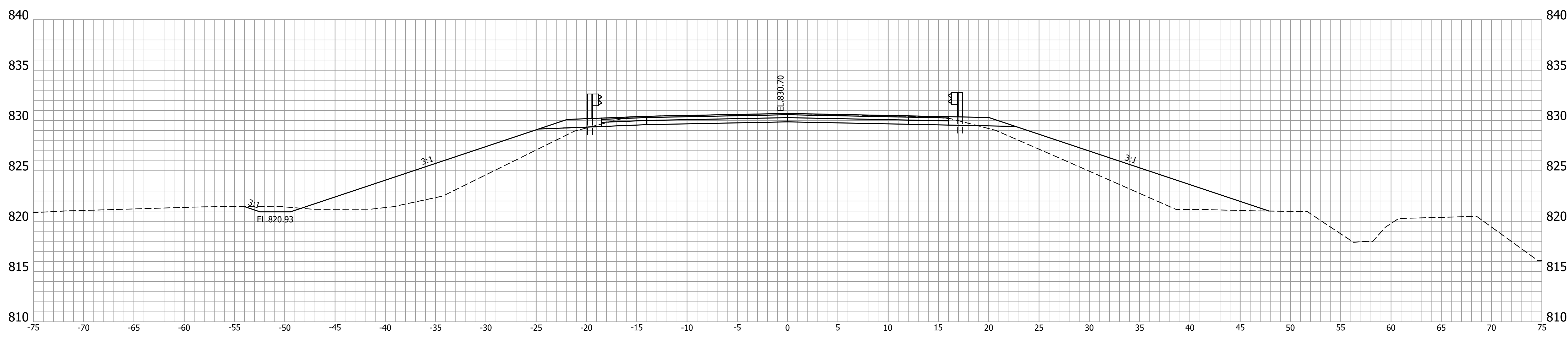


912  
+  
50

END PROJECT  
STA. 912+20.00 "B"



912  
+  
20



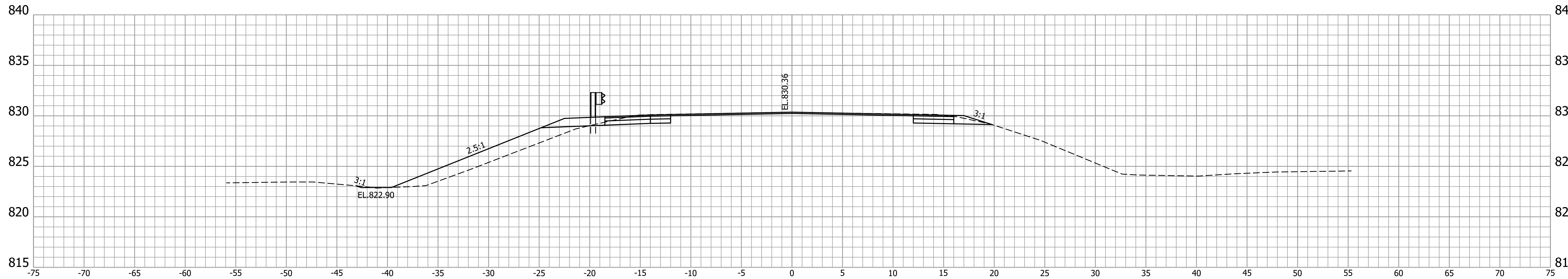
912  
+  
00

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJA	DRAWN: MEN	
CHECKED: JAP	CHECKED: JAP	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

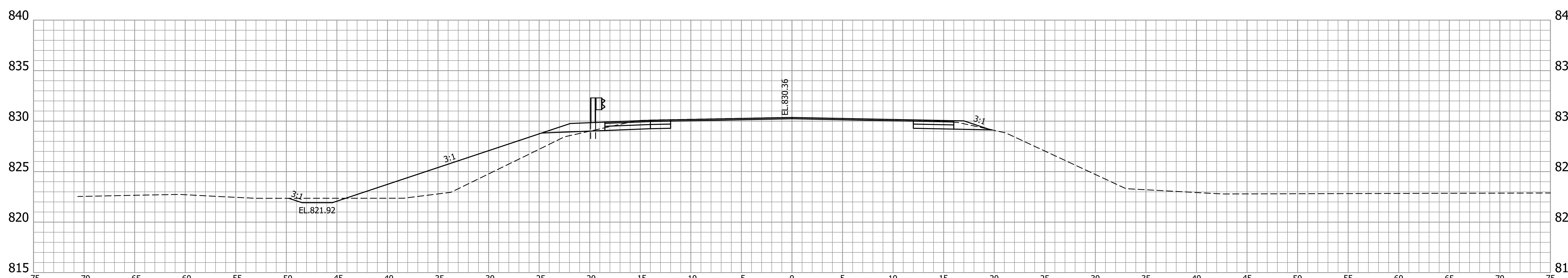
HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS 25 of 29
CONTRACT R-40426	PROJECT 1602260



913  
+  
65



913  
+  
50



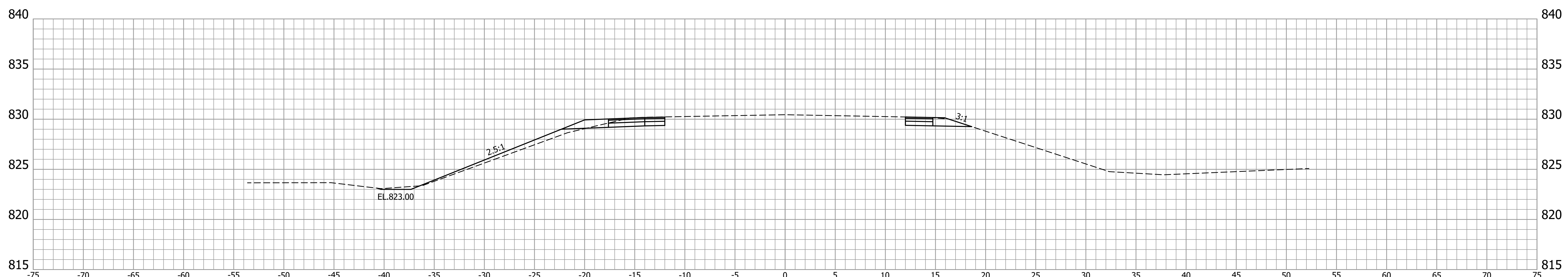
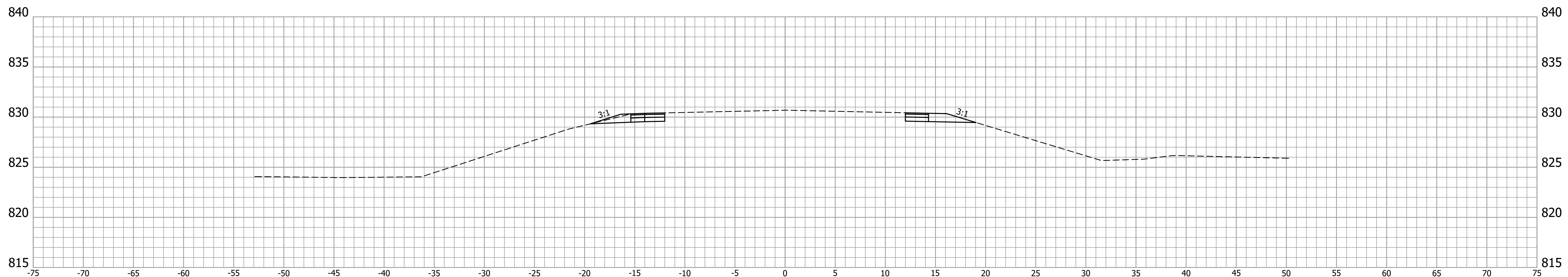
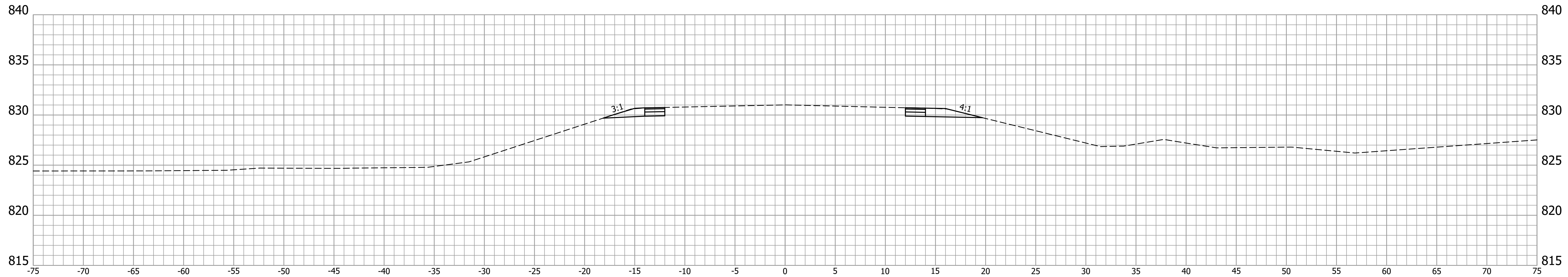
913  
+  
00

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	26 of 29
CONTRACT R-40426	PROJECT 1602260

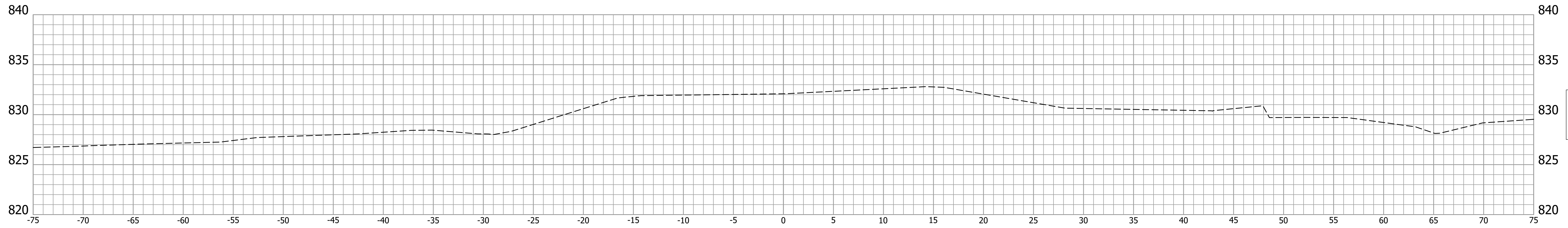


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JJA	DRAWN: MEN	
CHECKED: JAP	CHECKED: JAP	

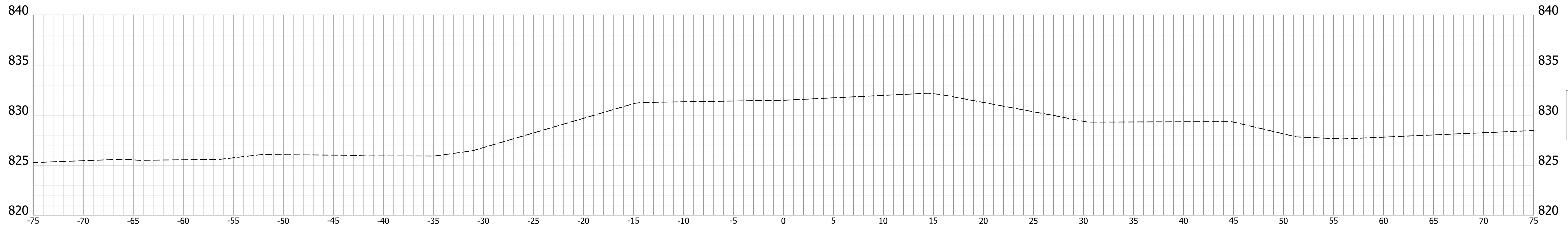
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	27 of 29
CONTRACT R-40426	PROJECT 1602260



916  
+  
00



915  
+  
50

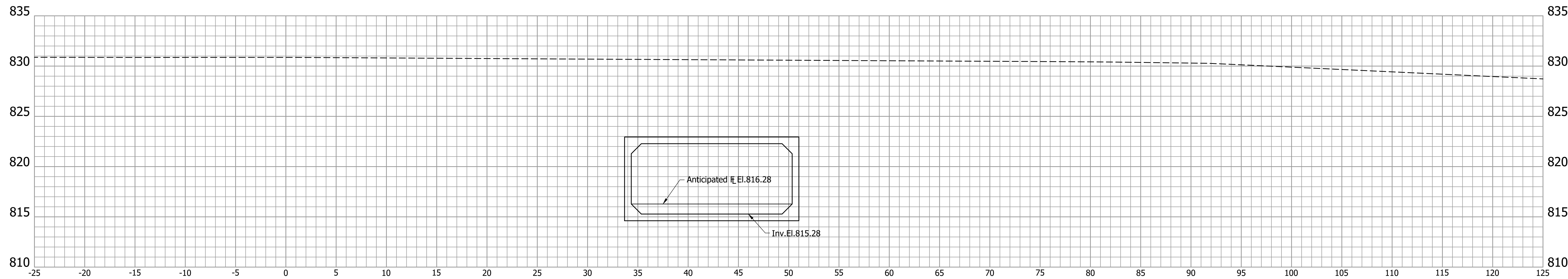
END INCIDENTAL CONSTRUCTION  
STA. 915+05.00 "B"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

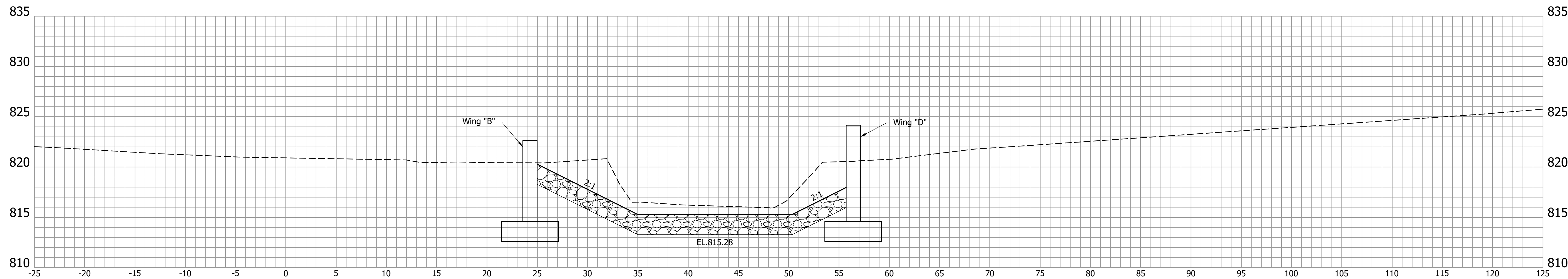
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS
	28 of 29
CONTRACT R-40426	PROJECT 1602260

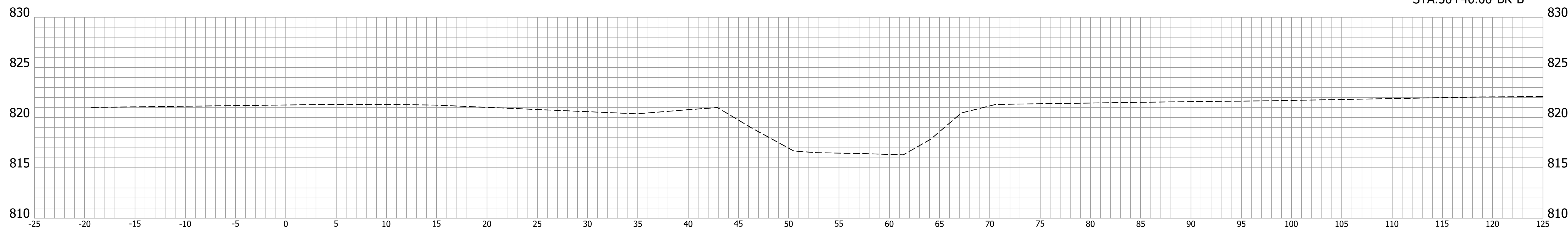


51  
+  
00



50  
+  
50

BEGIN CHANNEL WORK  
STA. 50+40.00 "BR-B"



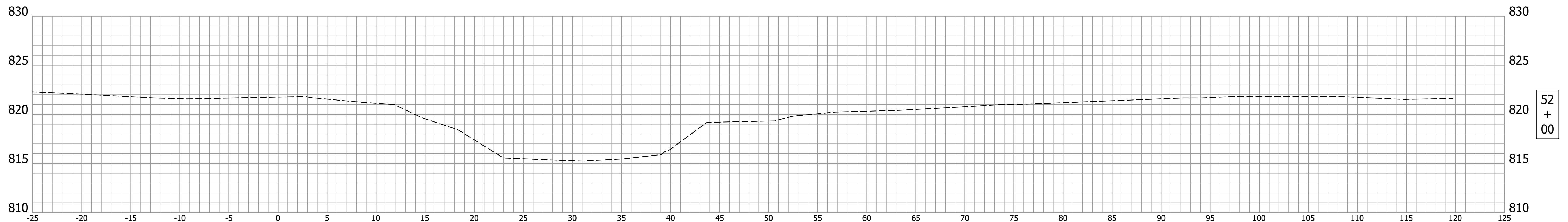
50  
+  
00

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

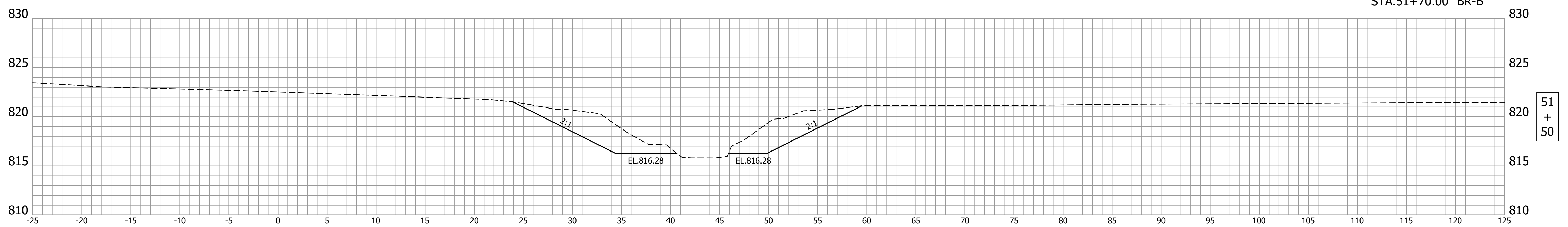
**CROSS SECTIONS  
LINE "BR-B"**

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS 29 of 29
CONTRACT R-40426	PROJECT 1602260



END CHANNEL WORK  
STA. 51+70.00 "BR-B"

52  
+  
00



51  
+  
50

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: JJA _____	DRAWN: MEN _____	
CHECKED: JAP _____	CHECKED: JAP _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "BR-B"

HORIZONTAL SCALE 1"=5'	BRIDGE FILE CV 003-016-60.37
VERTICAL SCALE 1"=5'	DESIGNATION 1602260
DRAWING NO.	SHEETS 30 of 29
CONTRACT R-40426	PROJECT 1602260