

PROJECT	DESIGNATION
1702848	1702848
CONTRACT	
R-41142	

INDIANA DEPARTMENT
OF TRANSPORTATION



ROAD PLANS

ROUTE: C.R. 40

PROJECT NO.

1702848

P.E.

1702848

R/W

1702848

CONST.

TRAFFIC DATA

A.A.D.T.	(2022)	4,037	V.P.D.
A.A.D.T.	(2042)	5,251	V.P.D.
D.H.V	(2042)	554	V.P.H.
DIRECTIONAL DISTRIBUTION		50	%
TRUCKS		14.6	% A.A.D.T. D.H.V.

DESIGN DATA

DESIGN SPEED	*35 and 55 MPH
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL AGENCY COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

* 35 mph within Town of Wakarusa



PROJECT LOCATION SHOWN BY
ELKHART COUNTY

LATITUDE: 41°32'10"N LONGITUDE: 85°59'30"W

GROSS LENGTH: 0.884 MI.
NET LENGTH: 0.884 MI.
MAX. GRADE: 1.60 %

HYDROLOGIC UNIT CODE (S): 04050001230010 &
04050001230030

STAGE 2 PLANS
JULY 13, 2020

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

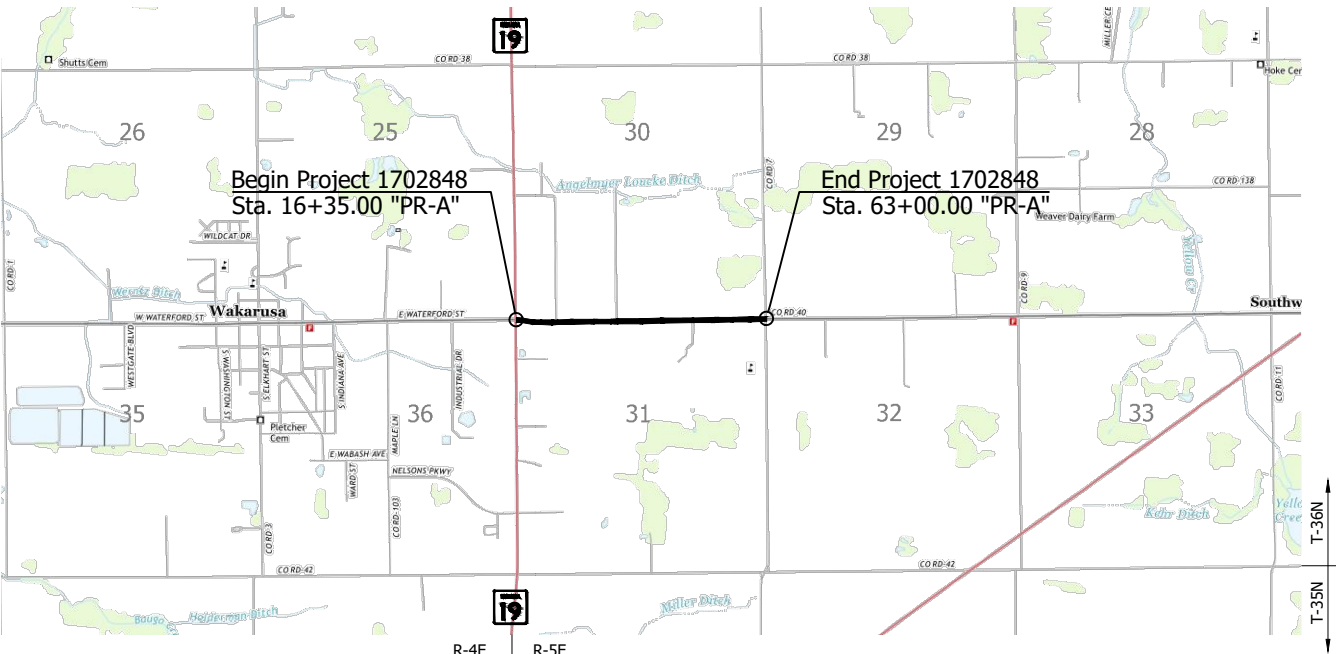
BOARD OF COMMISSIONERS OF ELKHART COUNTY

MIKE YODER	PRESIDENT
FRANK LUCCHESI	VICE PRESIDENT
SUZANNE WEIRICK	MEMBER

ELKHART COUNTY ENGINEER

TIMOTHY JACKSON, P.E.	EMPLOYEE OF RESPONSIBLE CHARGE
-----------------------	--------------------------------

Road Reconstruction on C.R. 40 from S.R. 19 to C.R. 7
in Sections 29, 30, 31, and 32, T-36-N, R-5-E, Harrison Township, Elkhart County, Indiana



LOCATION MAP
ELKHART COUNTY

JDD -- 7/13/2020 8:49 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440TR_IN.dwg (INDEX)

UTILITIES		
UTILITY	OWNER	ADDRESS
CABLE TV -	Comcast North	815 West Edison Road
	Contact: Robert Stoll Phone: (224) 229-5863 Email: robert_stoll@cable.comcast.com	Mishawaka, IN 46545
ELECTRIC -	NIPSCO Electric	801 East 86th Avenue
	Contact: Chris Stalion Phone: (219) 647-5036 Email: cstalion@nisource.com	Merrillville, IN 46410
FIBER OPTIC -	Intercarrier Networks, LLC	135 North Meramec Avenue, 5th Floor
	Contact: Steve Schiller Phone: Email: schiller@intercarnetworks.com	Clayton, MO 63105
GAS -	NIPSCO Gas	801 East 86th Avenue
	Contact: Robert Arend Phone: (219) 647-4048 Email: rarend@nisource.com	Merrillville, IN 46410
TELEPHONE -	Frontier Communications	8001 West Jefferson Boulevard
	Contact: Joe Sarll Phone: (260) 461-3324 Email: utilitycordreq@ftr.com	Fort Wayne, IN 46804
	New Paris Telephone, Inc.	19079 Market Street
	Contact: Robin Loucks Phone: (574) 831-2176 Email: rloucks@nptel.com	P.O. Box 47 New Paris, IN 46553
WATER & SEWER -	Town of Wakarusa	3900 East 3rd Street
	Contact: James Emans Phone: (574) 546-4685 Email: emanseng@mchsi.com	Bremen, IN 46506

GENERAL NOTES
All earth shoulders, median area, cut and fill slopes shall be plain or mulched seeded except where sodding is specified.
The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
It is the Contractor's responsibility to contact any and all utility companies within the limits of this project 3 weeks prior to any construction.
This set of plans shall not be construed to be a property retracement survey. Where apparent property lines, corners, subdivision or section corner information is shown, it is based on physical evidence or testimony.

INDEX	
SHEET NO.	DRAWING INDEX
1	Title Sheet
2	Index and General Notes
3 - 6	Typical Sections
7 - 8	Plat No. 1
9 - 17	Maintenance of Traffic
18 - 27	Plan and Profile
28 - 30	Pavement Markings and Signing Plans
31	Approach Table
32	Road Summary Table
33 - 84	Cross Sections

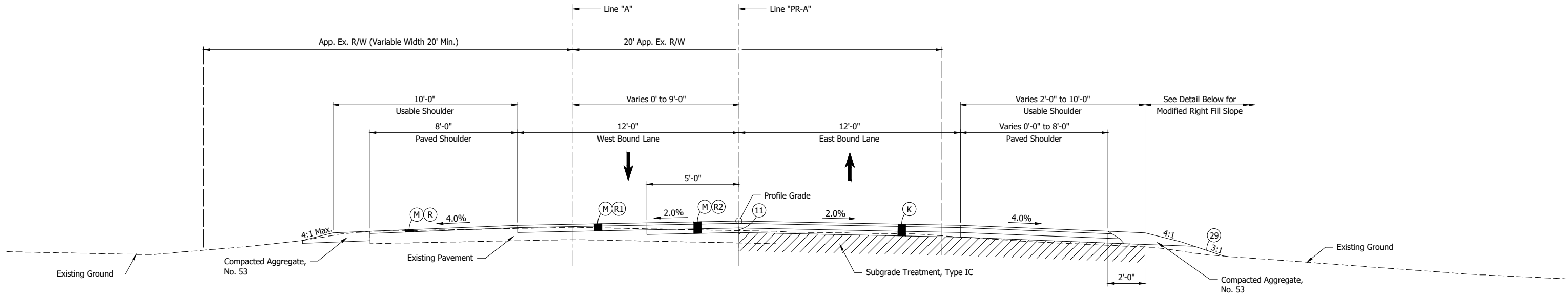
REVISIONS		
SHEET NO.	DATE	REVISED

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	
DESIGNED: JDD	DRAWN: GDH
CHECKED: MJG	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	SCALE		BRIDGE FILE	
			DESIGNATION	
INDEX AND GENERAL NOTES	SURVEY BOOK		SHEETS	
			2 of 84	
	CONTRACT		PROJECT	
	R-41142		1702848	

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TYPICAL SECTION - INCIDENTAL CONSTRUCTION

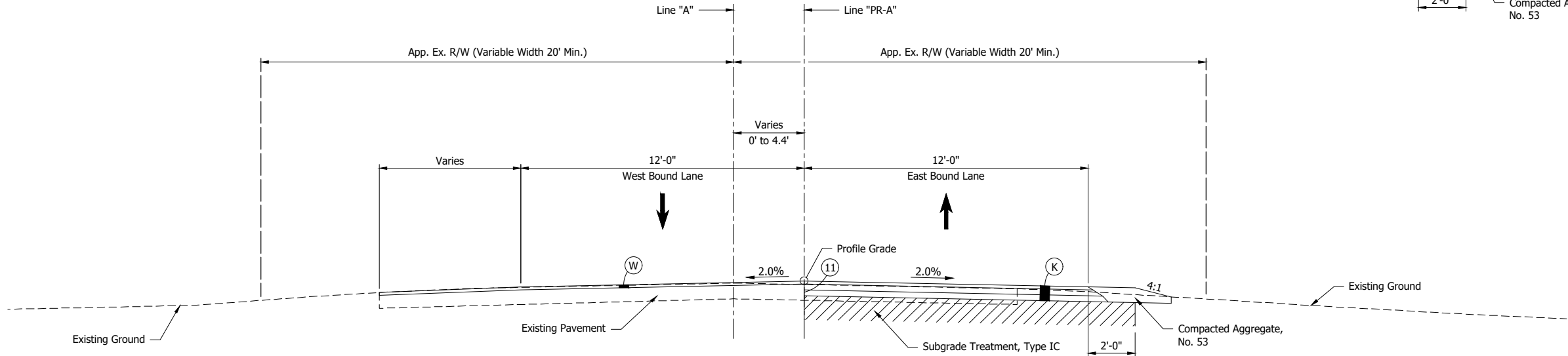
LINE "PR-A"

Sta. 13+25.00 to Sta. 16+35.00

Scale: 3/8" = 1'-0"

FILL SLOPE RIGHT

Scale: 3/8" = 1'-0"



TYPICAL SECTION - INCIDENTAL CONSTRUCTION

LINE "PR-A"

Sta. 12+30.91 to Sta. 13+25.00

Scale: 3/8" = 1'-0"

LEGEND:

- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (M) Milling, Profile
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (W) 165 #/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Transition Milling
- (11) Saw Cut
- (29) Mulched Seeding R

NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

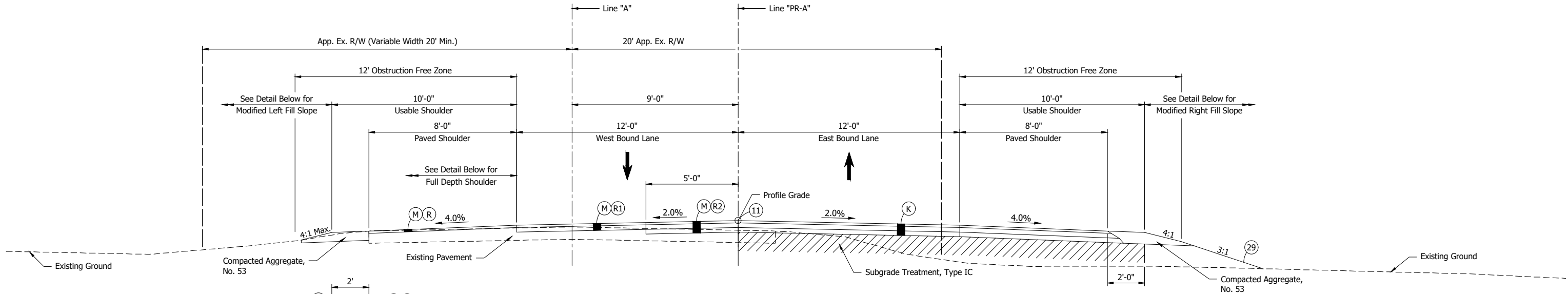
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CHECKED: MJG CHECKED: JDD

INDIANA
DEPARTMENT OF TRANSPORTATION

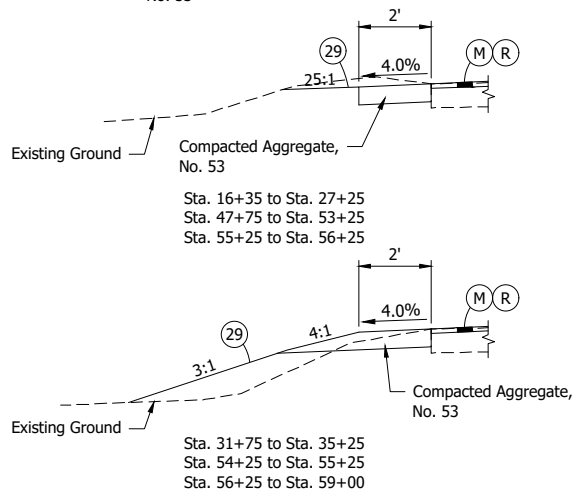
TYPICAL SECTIONS
LINE "PR-A"

SCALE AS SHOWN	BRIDGE FILE
	DESIGNATION 1702848
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CONTRACT R-41142	PROJECT 1702848

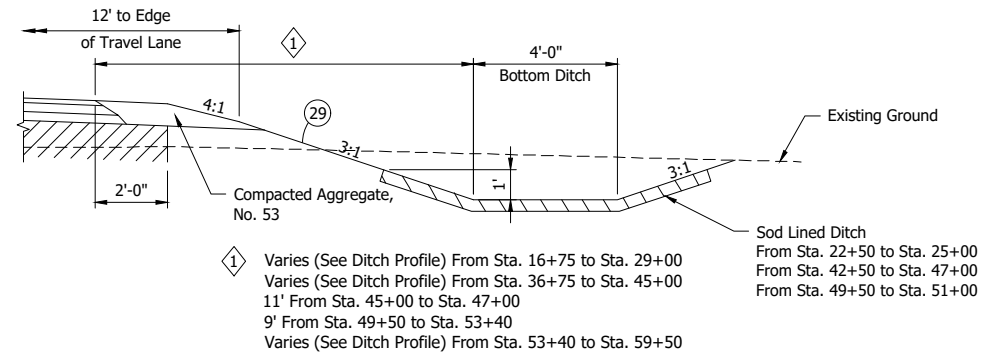
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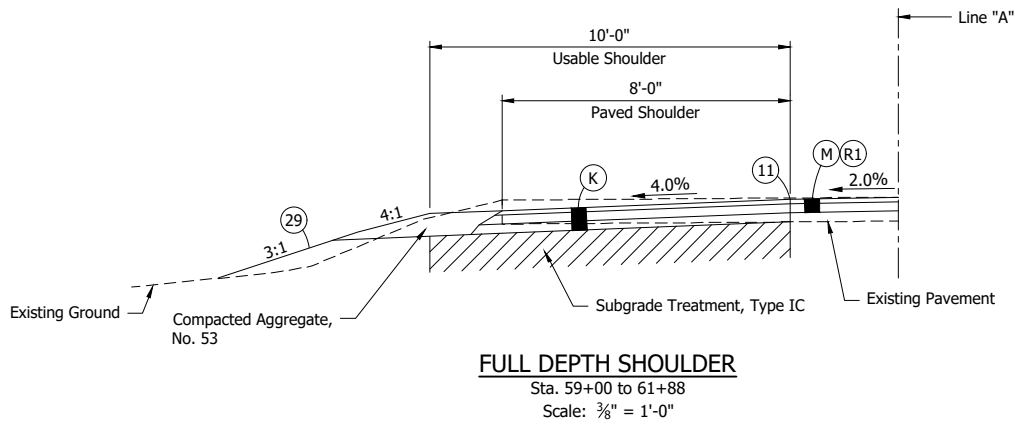
TYPICAL SECTION
LINE "PR-A"
Sta. 16+35.00 to Sta. 63+00.00
Scale: $\frac{3}{8}$ " = 1'-0"



FILL SLOPE LEFT
Scale: $\frac{3}{8}$ " = 1'-0"



FILL SLOPE RIGHT
Scale: $\frac{3}{8}$ " = 1'-0"



FULL DEPTH SHOULDER
Sta. 59+00 to Sta. 61+88
Scale: $\frac{3}{8}$ " = 1'-0"

LEGEND:

- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
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- (W) 165 #/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Transition Milling
- (11) Saw Cut
- (29) Mulched Seeding R

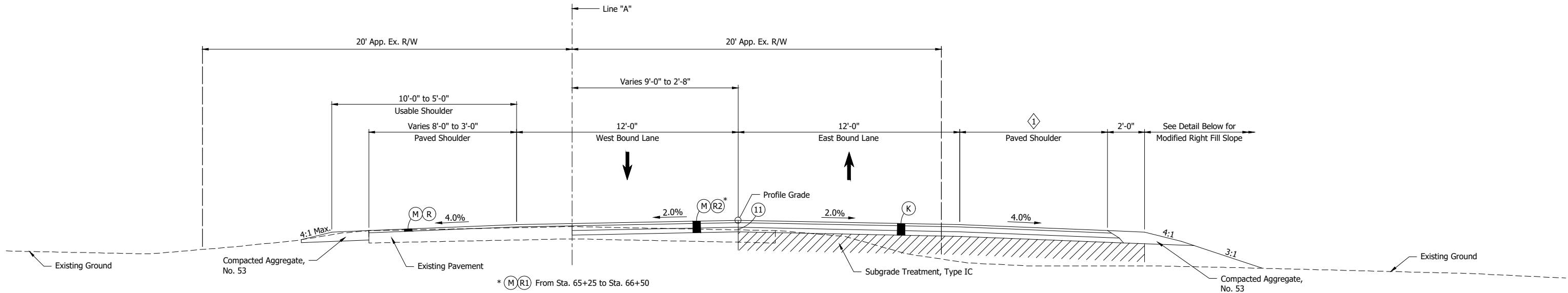
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JDD	DRAWN: BJS
CHECKED: MJG	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS LINE "PR-A"	

SCALE AS SHOWN	BRIDGE FILE
SURVEY BOOK	SHEETS
CONTRACT R-41142	PROJECT 1702848

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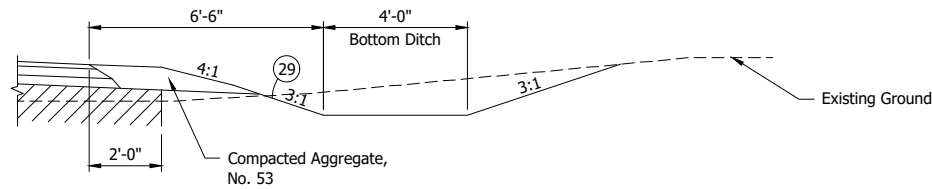
TYPICAL SECTION - INCIDENTAL CONSTRUCTION

LINE "A"

Sta. 63+00.00 to Sta. 66+50.00
Scale: 3/8" = 1'-0"

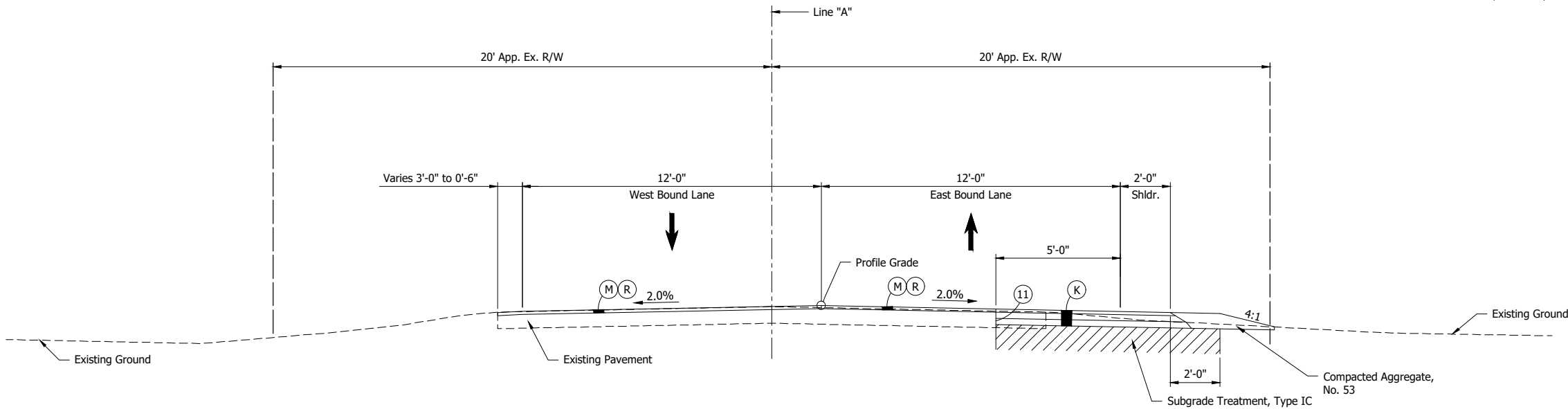
1

Varies 8' to 2' From Sta. 63+00 to Sta. 64+00
2' From Sta. 64+00 to Sta. 66+50



FILL SLOPE RIGHT

Sta. 64+25 to 66+50
Scale: 3/8" = 1'-0"



TYPICAL SECTION - INCIDENTAL CONSTRUCTION

LINE "A"

Sta. 66+50.00 to Sta. 67+95.00
Scale: 3/8" = 1'-0"

LEGEND:

- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (M) Milling, Profile
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- (W) 165 #/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Transition Milling
- (11) Saw Cut
- (29) Mulched Seeding R

NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

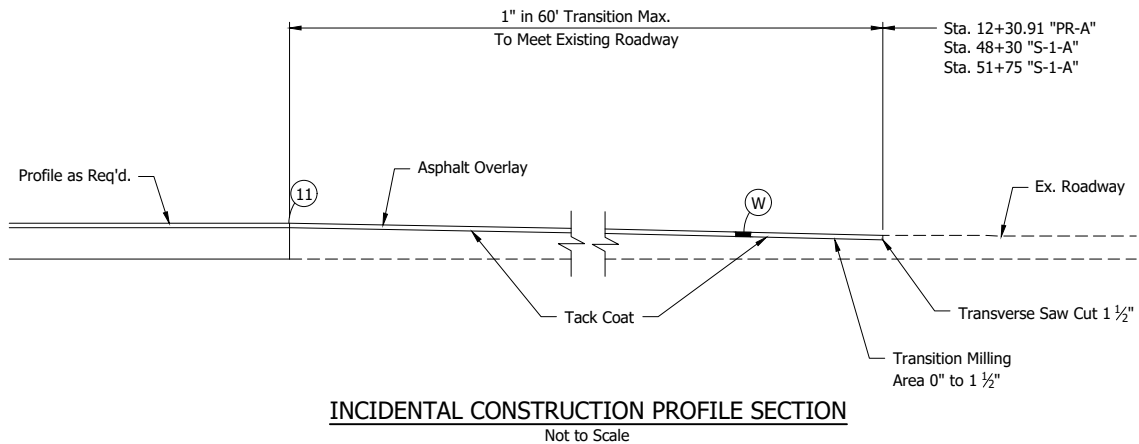
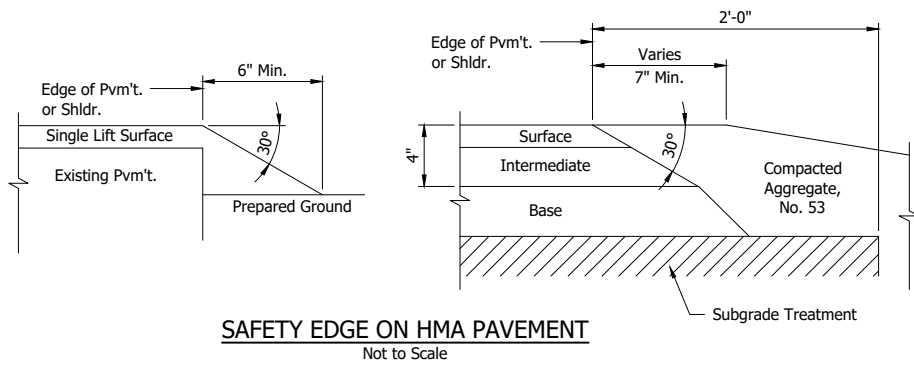
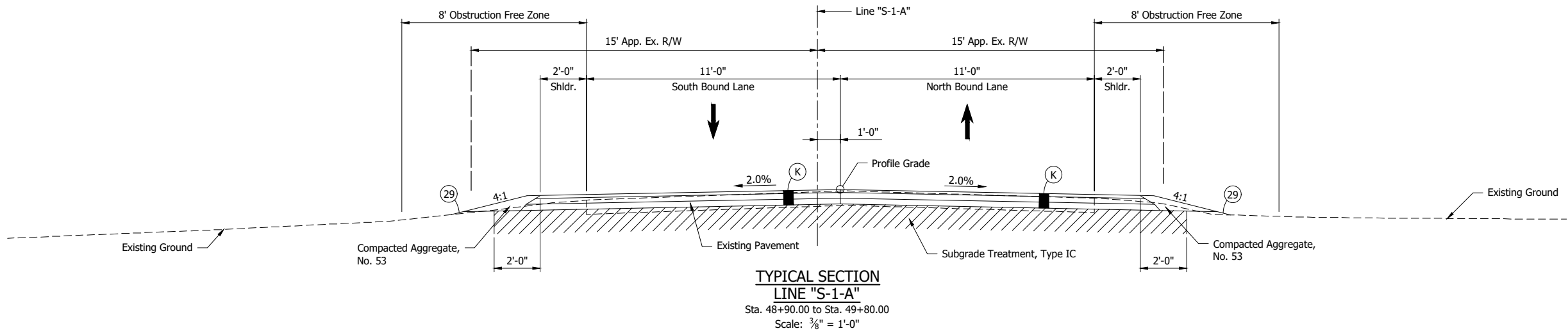
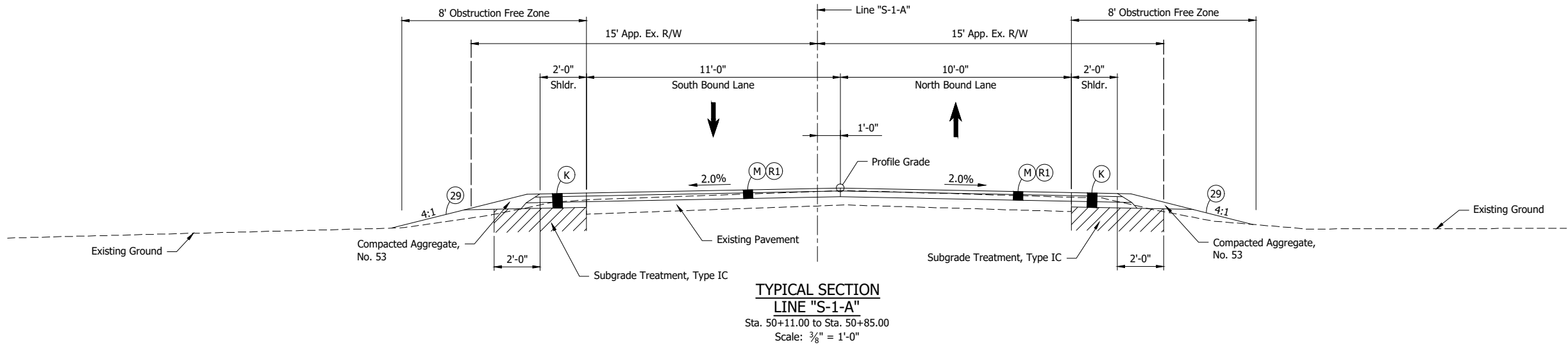
DESIGNED: JDD DRAWN: BJS
CHECKED: MJG CHECKED: JDD

INDIANA
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TYPICAL SECTIONS
LINE "A"

SCALE AS SHOWN	BRIDGE FILE
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	1702848

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- LEGEND:**
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
 - (M) Milling, Profile
 - (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm
 - (W) 165 #/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on Transition Milling
 - (11) Saw Cut
 - (29) Mulched Seeding R

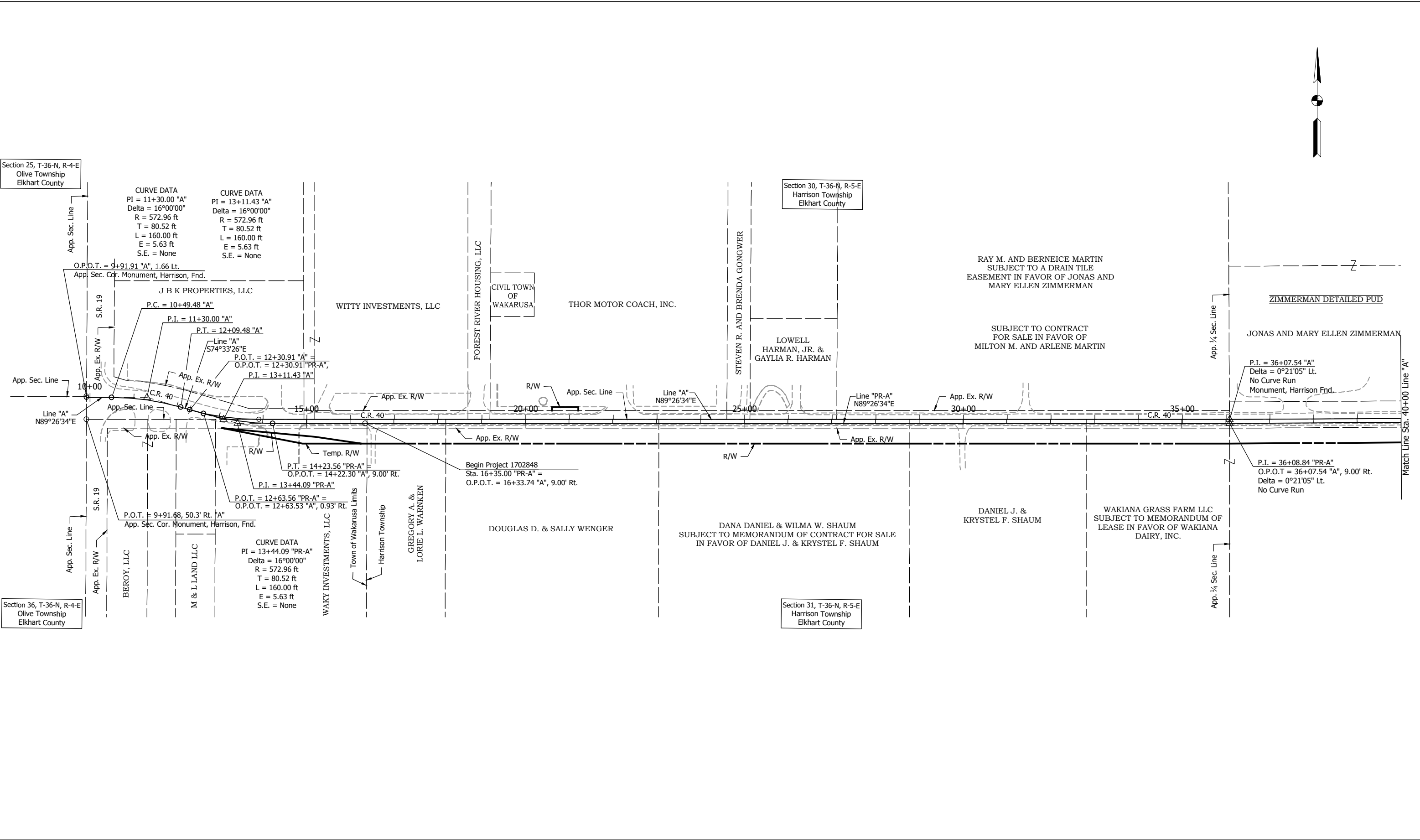
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JDD	DRAWN: BJS
CHECKED: MJG	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS LINE "S-1-A"	

SCALE AS SHOWN	BRIDGE FILE
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JDD - 7/13/2020 8:50 AM - U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440TR_P1.dwg (PLAT NO. 1 - 01)



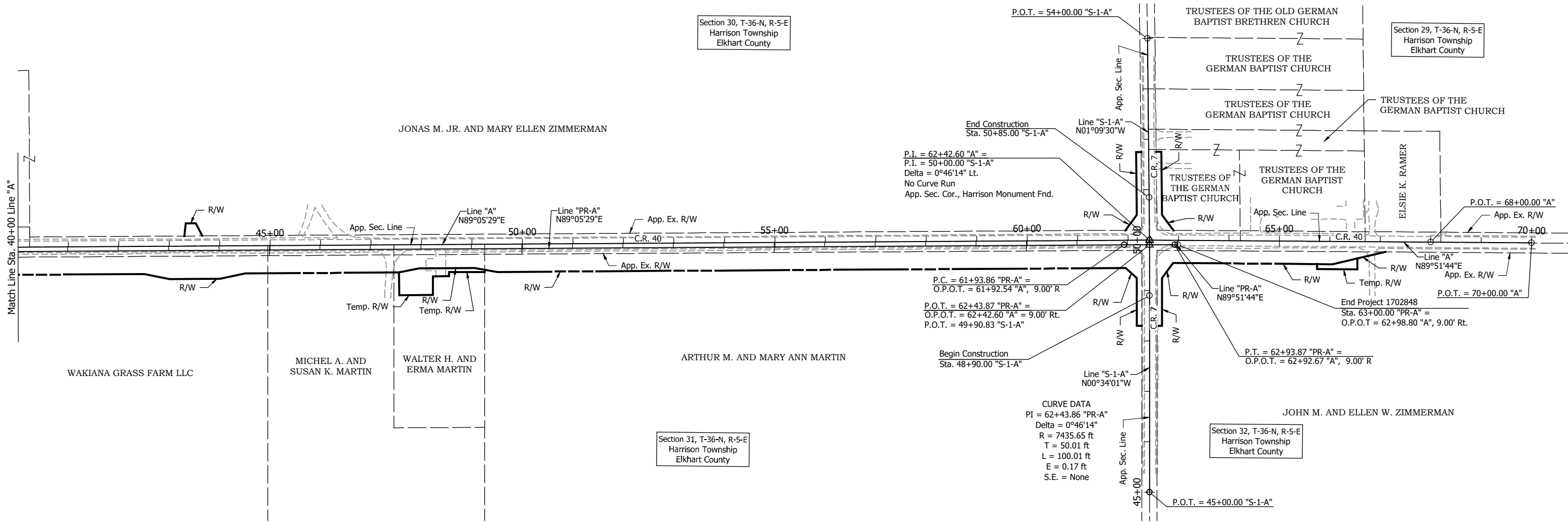
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	
DESIGNED: MJG	DRAWN: JAJ
CHECKED: JDD	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAT NO. 1	

SCALE 1" = 100'	BRIDGE FILE
	DESIGNATION 1702848
SURVEY BOOK	SHEETS 7 of 84
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NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	
DESIGNED: JDD	DRAWN: JAJ
CHECKED: MJG	CHECKED: JDD

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

SCALE 1" = 100'	BRIDGE FILE
	DESIGNATION 1702848
SURVEY BOOK	SHEETS 8 of 84
CONTRACT R-41142	PROJECT 1702848

DTC -- 7/13/2020 8:50 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_GN01.dwg (NOT GENERAL NOTES)

ADVANCE PHASE

- 1. Construction activities shall include installation of structures no. 12, 13, 14, and 16.
- 2. Traffic shall be detoured along C.R. 9, C.R. 38, and S.R. 19.

PHASE I:

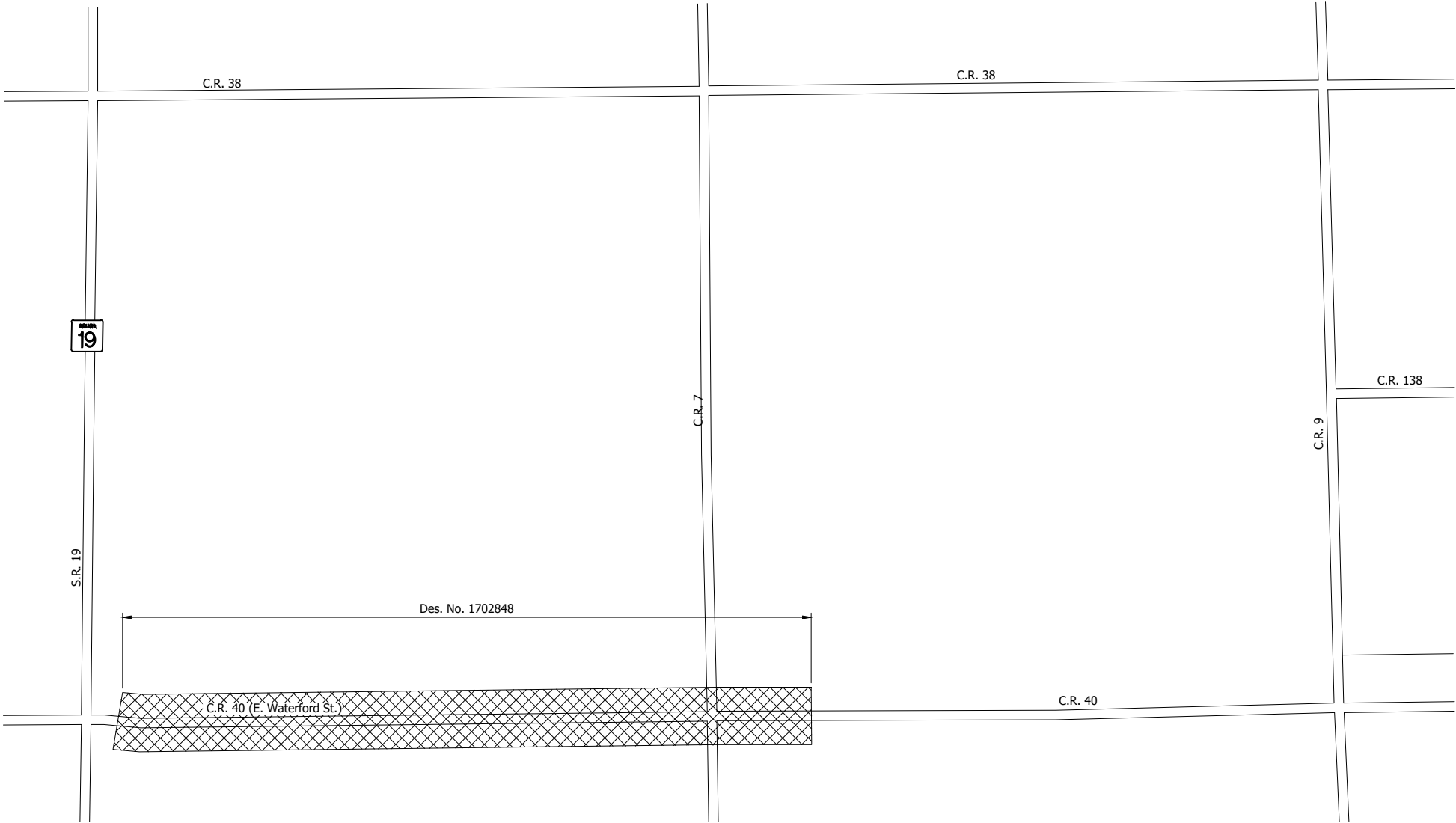
- 1. Construction activities shall include road reconstruction of the eastbound travel lane and shoulder, ditch grading, and seeding.
- 2. Eastbound traffic shall be detoured along S.R. 19, C.R. 38, and C.R. 9.

PHASE II:

- 1. Construction activities shall include mill and overlay of the existing westbound travel lane and shoulder, full depth shoulder patching, and seeding.
- 2. Westbound traffic shall be detoured along C.R. 9, C.R. 38, and S.R. 19.

GENERAL NOTES:

- 1. Install construction signs as shown on plans and as directed.
- 2. C.R. 40 shall remain open at all times and maintain one lane in one direction with the other direction detoured.
- 3. The construction zone speed limit for C.R. 40 is 45 mph.
- 4. Emergency vehicles and postal access to local residences shall be maintained at all times except during drive reconstruction. Property owners shall be notified in writing at least two days prior to beginning driveway work.
- 5. All type 'A' construction signs to have low intensity flashing yellow light, type 'A'.
- 6. All materials, procedures, signs, markings, and miscellaneous items shall conform to the requirements of the INDOT standard specifications and the Indiana Manual on Uniform Traffic Control Devices, and revisions there to.
- 7. Contractor shall notify local fire department, police, ambulance services, and schools of the work schedule and temporary traffic layouts.
- 8. Construction drum spacing: 50 ft on tangent, 25 ft on taper.



PROJECT LIMITS
Scale: 1" = 300'

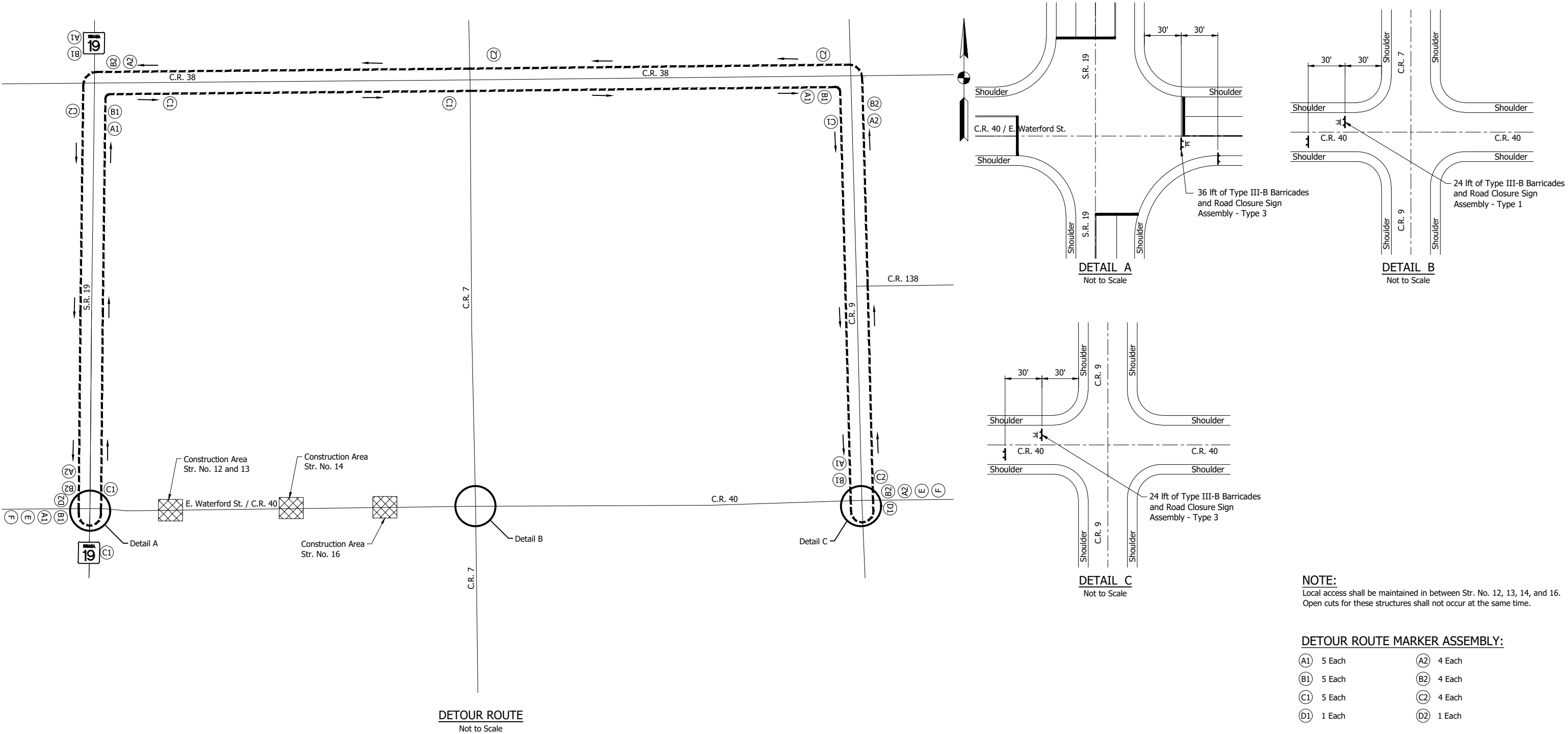
LEGEND:

 Construction Area

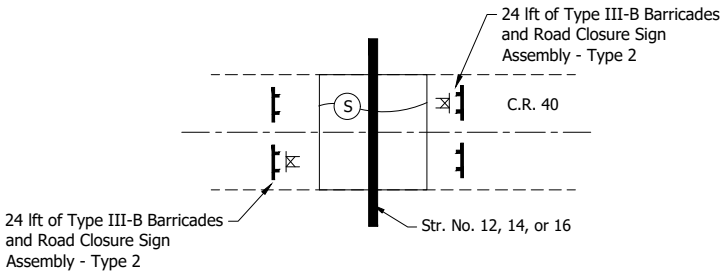
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		SCALE AS NOTED	BRIDGE FILE
				DESIGNATION
				1702848
DESIGNED: CJN	DRAWN: JAJ	MAINTENANCE OF TRAFFIC GENERAL NOTES AND DETAILS	SURVEY BOOK	SHEETS
CHECKED: JDD	CHECKED: JDD			9 of 84
			CONTRACT	PROJECT
			R-41142	1702848

DTC - 7/13/2020 8:50 AM - U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_DR01.dwg (DETOUR ROUTE)



DETOUR ROUTE
Not to Scale



STRUCTURE INSTALLATION DETAIL
Not to Scale

ESTIMATE OF QUANTITIES - ADVANCE		
ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A (Includes 2 Undistributed)	6	Each
Barricade Type III-B	132	LFT
Detour Route Sign Assemblies	29	Each
Road Closure Sign Assemblies	5	Each

NOTE:
Local access shall be maintained in between Str. No. 12, 13, 14, and 16.
Open cuts for these structures shall not occur at the same time.

DETOUR ROUTE MARKER ASSEMBLY:

- | | |
|-------------|-------------|
| (A1) 5 Each | (A2) 4 Each |
| (B1) 5 Each | (B2) 4 Each |
| (C1) 5 Each | (C2) 4 Each |
| (D1) 1 Each | (D2) 1 Each |

LEGEND:

- ← Direction of Traffic
- (A#) Advance Turn Detour Route Marker Assembly
 - (B#) Directional Detour Route Marker Assembly
 - (C#) Conforming Detour Route Marker Assembly
 - (D#) End Detour Route Marker Assembly
 - (S) HMA for Structure Installation, Type B
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
6" Compacted Aggregate, No. 53 on
Subgrade Treatment, Type II

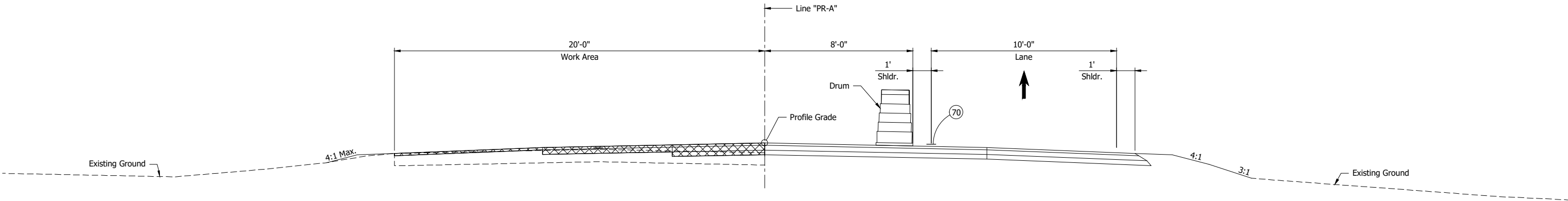
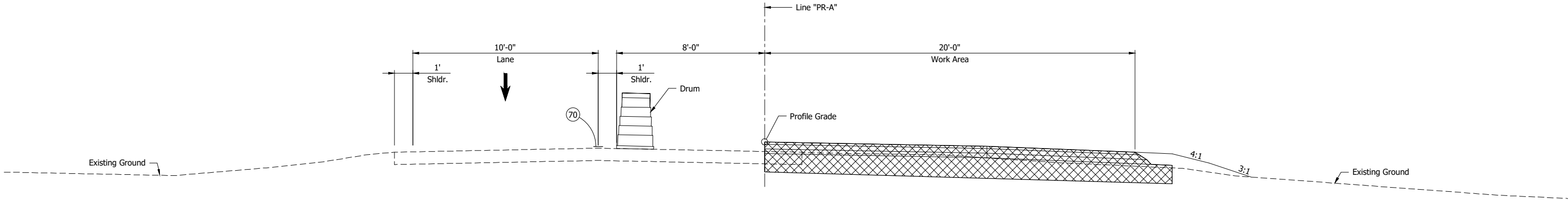
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CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: CJN	DRAWN: RHK
CHECKED: ?	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC DETOUR ROUTE - ADVANCE PHASE	

SCALE AS NOTED	BRIDGE FILE
	DESIGNATION 1702848
SURVEY BOOK	SHEETS 10 of 84
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- LEGEND:**
- Temporary Pavement Marking, Removable, Solid, Yellow, 4"
 - Indicates Limits of Construction

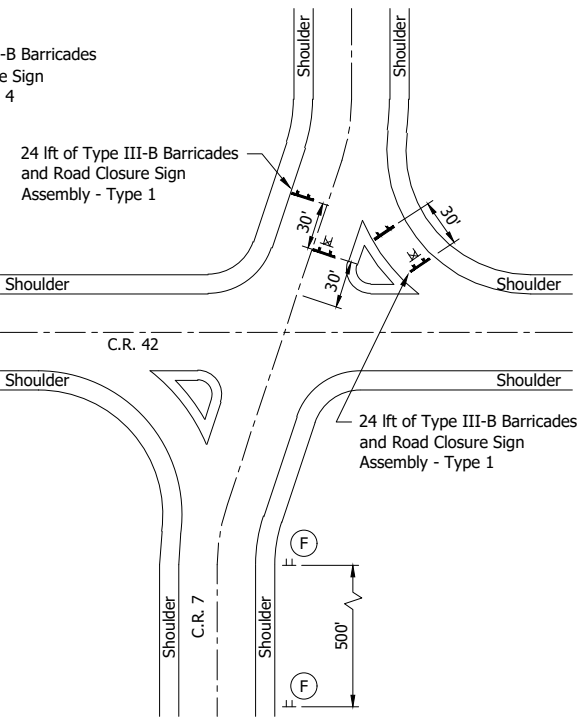
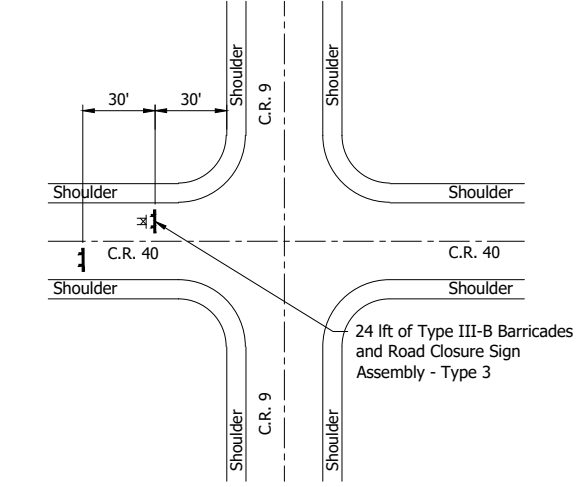
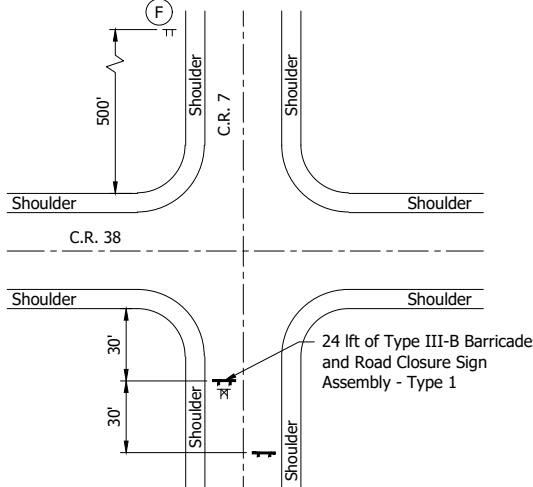
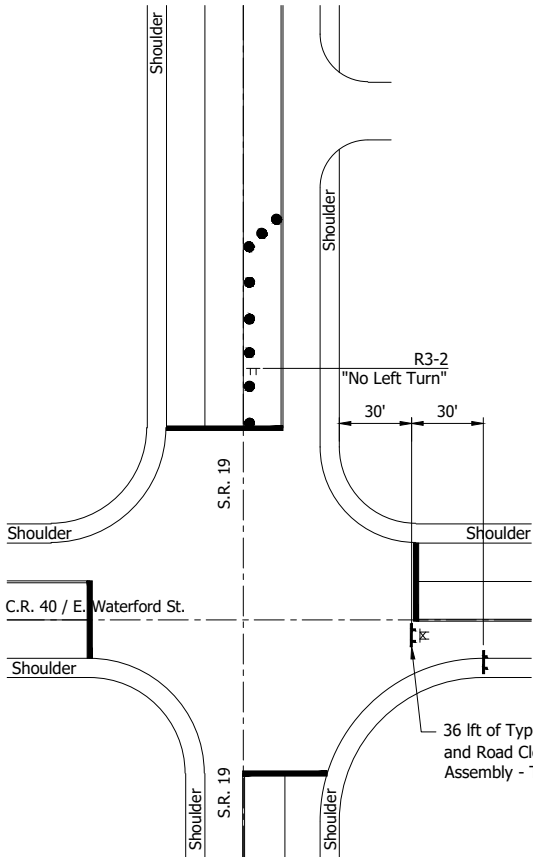
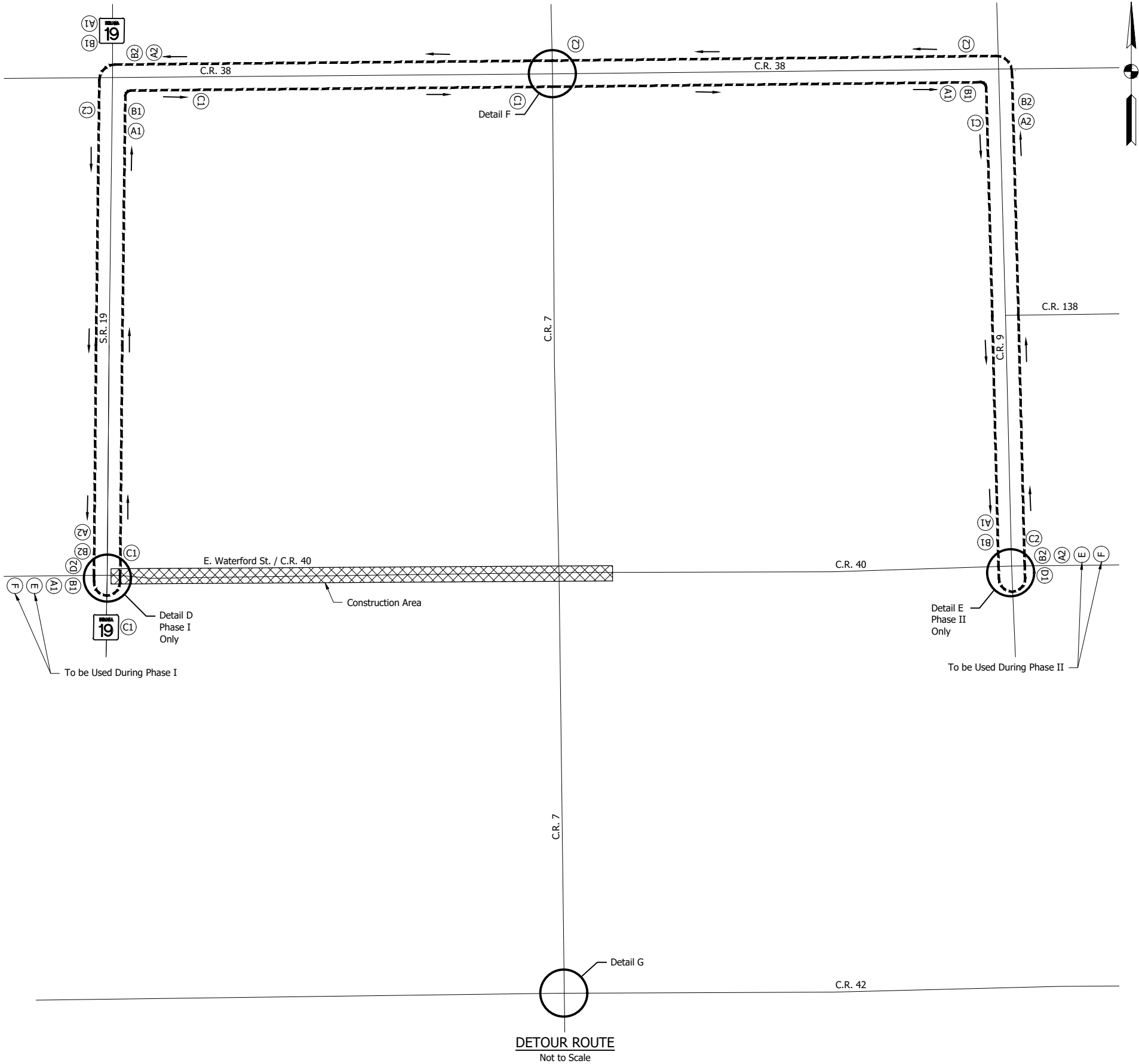
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: CJN	DRAWN: JAJ
CHECKED: JDD	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - LINE "PR-A"	

SCALE 3/8" = 1'-0"	BRIDGE FILE
	DESIGNATION 1702848
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JDD - 7/13/2020 8:50 AM - U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_DR02.dwg (DETOUR ROUTE)



NOTE:
Eastbound Detour Route Assembly shall be used during Phase I.
Westbound Detour Route Assembly shall be used during Phase II.

DETOUR ROUTE MARKER ASSEMBLY:

- | | |
|-------------|-------------|
| (A1) 5 Each | (A2) 4 Each |
| (B1) 5 Each | (B2) 4 Each |
| (C1) 5 Each | (C2) 4 Each |
| (D1) 1 Each | (D2) 1 Each |

- LEGEND:**
- ← Direction of Traffic
 - (A#) Advance Turn Detour Route Marker Assembly
 - (B#) Directional Detour Route Marker Assembly
 - (C#) Conforming Detour Route Marker Assembly
 - (D#) End Detour Route Marker Assembly
 - Drum

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: CJN	DRAWN: JAJ		
CHECKED: JMB	CHECKED: JDD		

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC DETOUR ROUTE - PHASES I AND II	

SCALE AS NOTED	BRIDGE FILE
	DESIGNATION 1702848
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ROAD CLOSED
_ MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3
60" x 30"

ROAD CLOSURE SIGN ASSEMBLY - TYPE 1

ROAD
CLOSED

R11-2
48" x 30"

ROAD CLOSURE SIGN ASSEMBLY - TYPE 2

ROAD CLOSED
TO
THRU TRAFFIC

R11-4
60" x 30"

DETOUR

XM4-10(R or L)
48" x 18"

ROAD CLOSURE SIGN ASSEMBLY - TYPE 3

ROAD
CLOSED

R11-2
48" x 30"

DETOUR

XM4-10(R or L)
48" x 18"

ROAD CLOSURE SIGN ASSEMBLY - TYPE 4

EASTBOUND - DETOUR ROUTE MARKER ASSEMBLIES

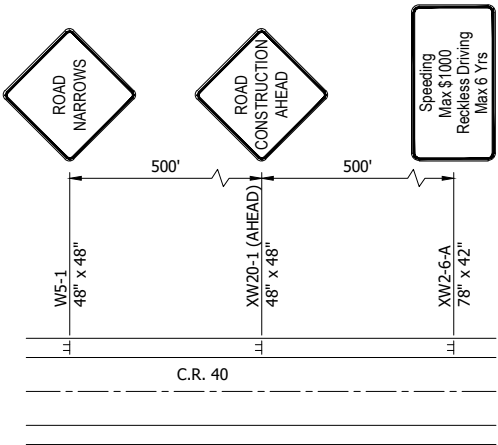
A1 DETOUR XM4-8 24" x 12" EAST M3-2 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M5-1(R or L) 21" x 15" ADVANCE TURN DETOUR MARKER ASSEMBLY	B1 DETOUR XM4-8 24" x 12" EAST M3-2 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M6-1(R or L) 21" x 15" DIRECTIONAL DETOUR MARKER ASSEMBLY	C1 DETOUR XM4-8 24" x 12" EAST M3-2 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M6-3 21" x 15" CONFIRMING DETOUR ROUTE MARKER ASSEMBLY	D1 END DETOUR XM4-8a 24" x 18" EAST M3-2 24" x 12" CR 40 XM4-8(CR 40) 24" x 12" END DETOUR ROUTE MARKER ASSEMBLY
---	--	---	--

WESTBOUND - DETOUR ROUTE MARKER ASSEMBLIES

A2 DETOUR XM4-8 24" x 12" WEST M3-4 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M5-1(R or L) 21" x 15" ADVANCE TURN DETOUR MARKER ASSEMBLY	B2 DETOUR XM4-8 24" x 12" WEST M3-4 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M6-1(R or L) 21" x 15" DIRECTIONAL DETOUR MARKER ASSEMBLY	C2 DETOUR XM4-8 24" x 12" WEST M3-4 24" x 12" CR 40 XM4-8(CR 40) 24" x 12"  M6-3 21" x 15" CONFIRMING DETOUR ROUTE MARKER ASSEMBLY	D2 END DETOUR XM4-8a 24" x 18" WEST M3-4 24" x 12" CR 40 XM4-8(CR 40) 24" x 12" END DETOUR ROUTE MARKER ASSEMBLY
---	--	---	--

"X" Prefix is orange background w/ black legend.

E DETOUR AHEAD XW20-2 48" x 48"	F ROAD CLOSED AHEAD XW20-3 (AHEAD) 48" x 48"
--	---



ADVANCE SIGNING DETAIL

Not to Scale

ESTIMATE OF QUANTITIES - CONTROLLING

ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A (Includes 2 Undistributed)	14	Each
Barricade Type III-B	264	LFT
Detour Route Sign Assemblies	29	Each
Road Closure Sign Assemblies	7	Each
Temporary Pavement Marking, Removable, 4"	11612	LFT

LEGEND:

- Drum
- TT Construction Sign and Supports
- TT Road Closure Assembly
- TT Type III-B Barricade
- PCMS Portable Changeable Message Sign
- Construction Area

NOT FOR
CONSTRUCTION

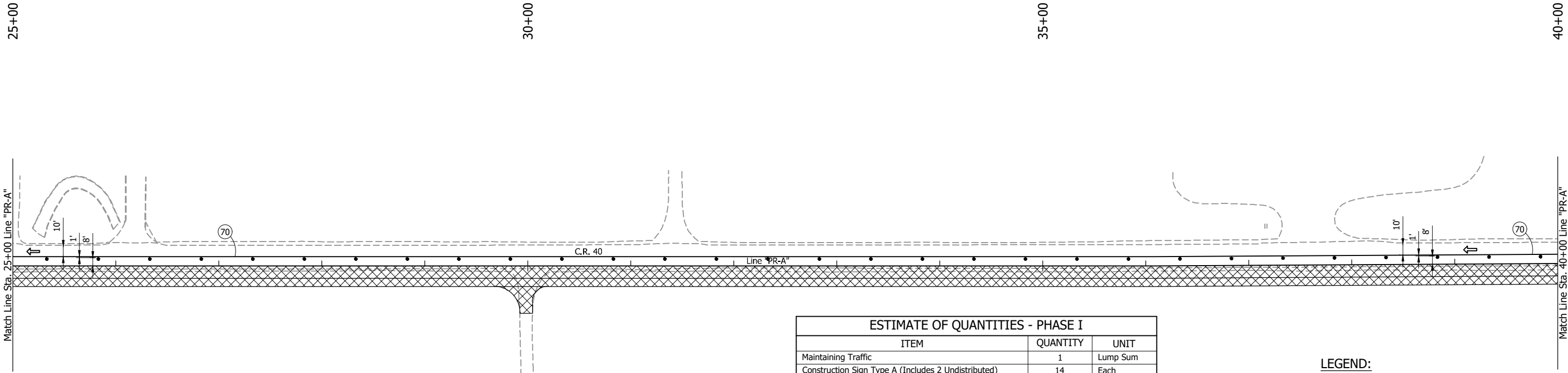
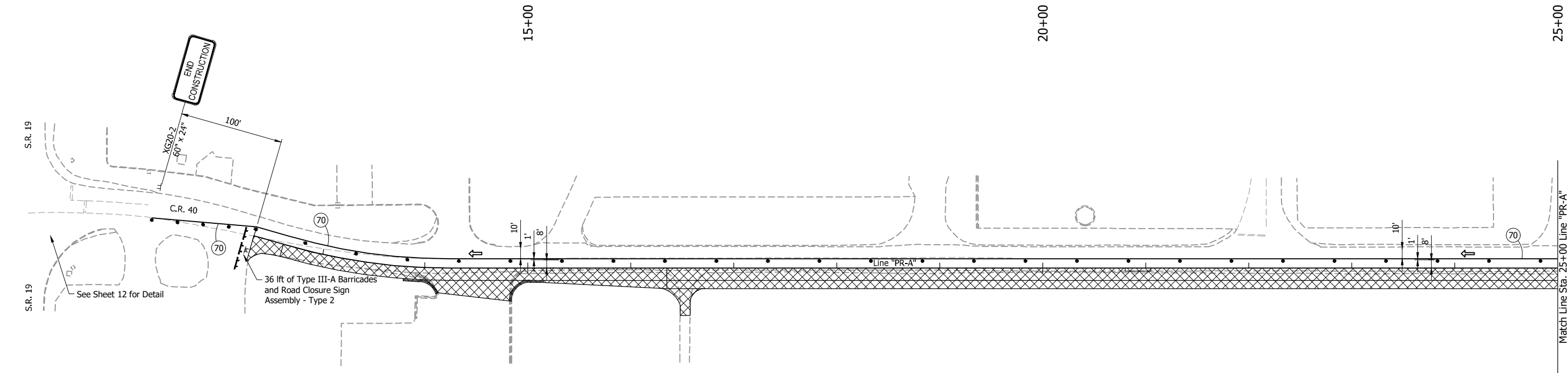
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CJN	DRAWN: JAJ	
CHECKED: JDD	CHECKED: JDD	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
SIGN LEGEND AND DETAILS

SCALE	BRIDGE FILE
NO SCALE	
	DESIGNATION
	1702848
SURVEY BOOK	SHEETS
	13 of 84
CONTRACT	PROJECT
R-41142	1702848

DTC -- 7/13/2020 8:51 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_PL1_01.dwg (NOT PHASE I -- 01)



ESTIMATE OF QUANTITIES - PHASE I		
ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A (Includes 2 Undistributed)	14	Each
Barricade Type III-B	264	LFT
Road Closure Sign Assemblies	7	Each
Temporary Pavement Marking, Removable, Yellow, 4"	5719	LFT
Detour Route Marker Assemblies	29	Each

- LEGEND:
- Temporary Pavement Marking, Removable, Solid, Yellow, 4"
 - Drum
 - Construction Sign and Supports
 - Temporary Direction of Traffic
 - Line, Remove
 - Construction Area

NOTE:
Drum Spacing: 50 ft on Tangent, 25 ft on Taper.

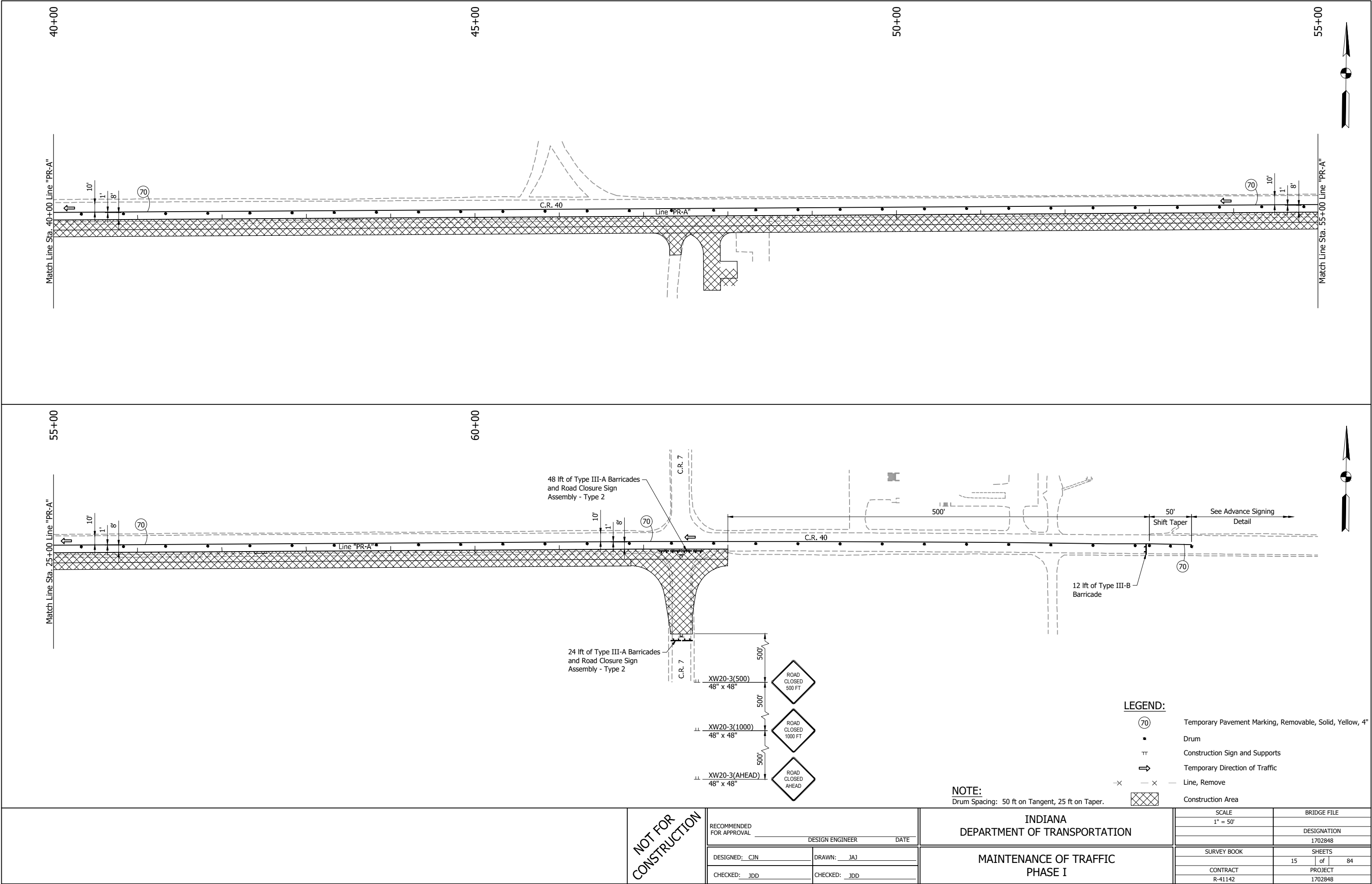
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: CJN	DRAWN: JAJ		
CHECKED: JDD	CHECKED: JDD		

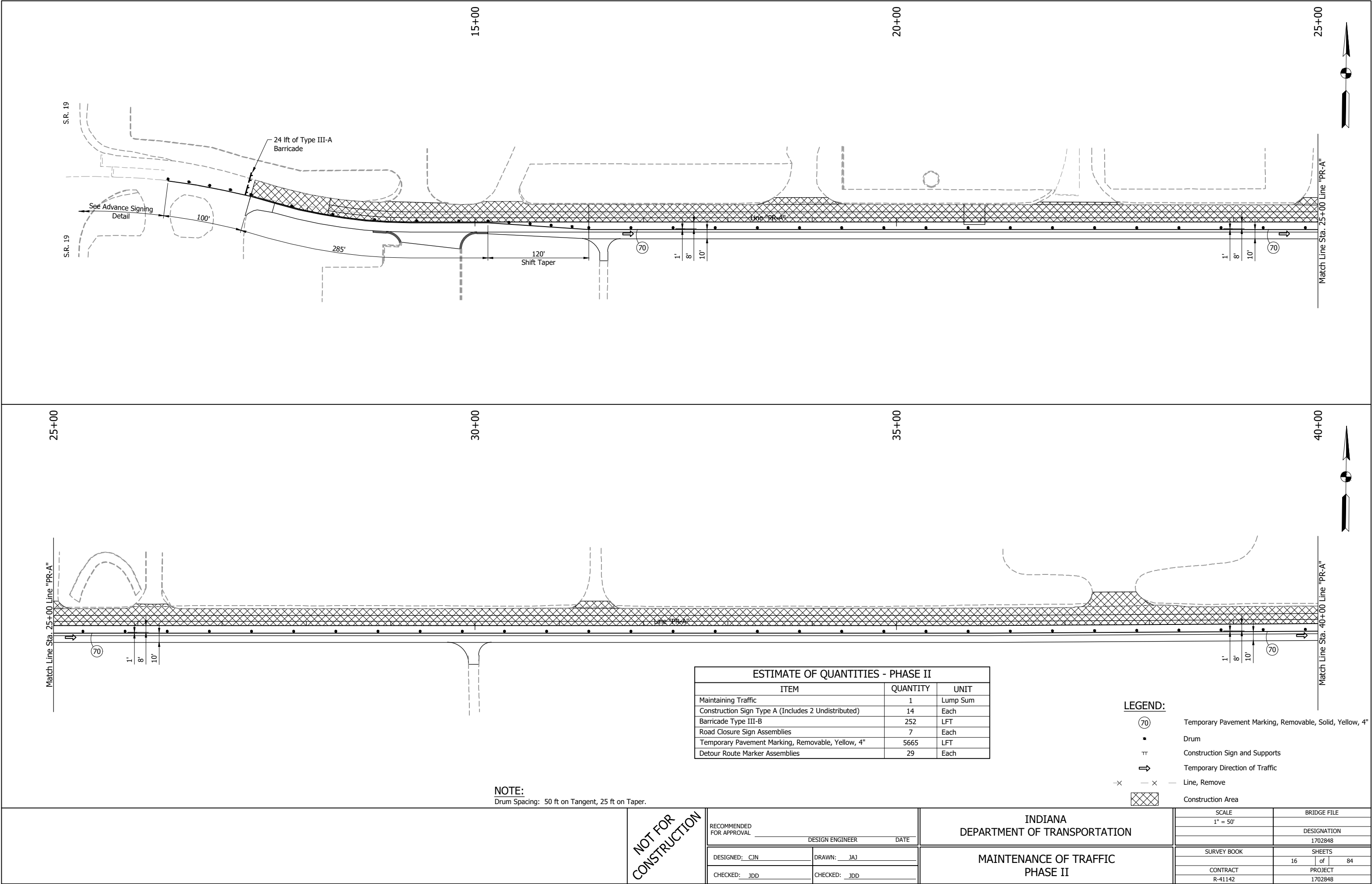
INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE I	

SCALE 1" = 50'	BRIDGE FILE
	DESIGNATION 1702848
SURVEY BOOK	SHEETS 14 of 84
CONTRACT R-41142	PROJECT 1702848

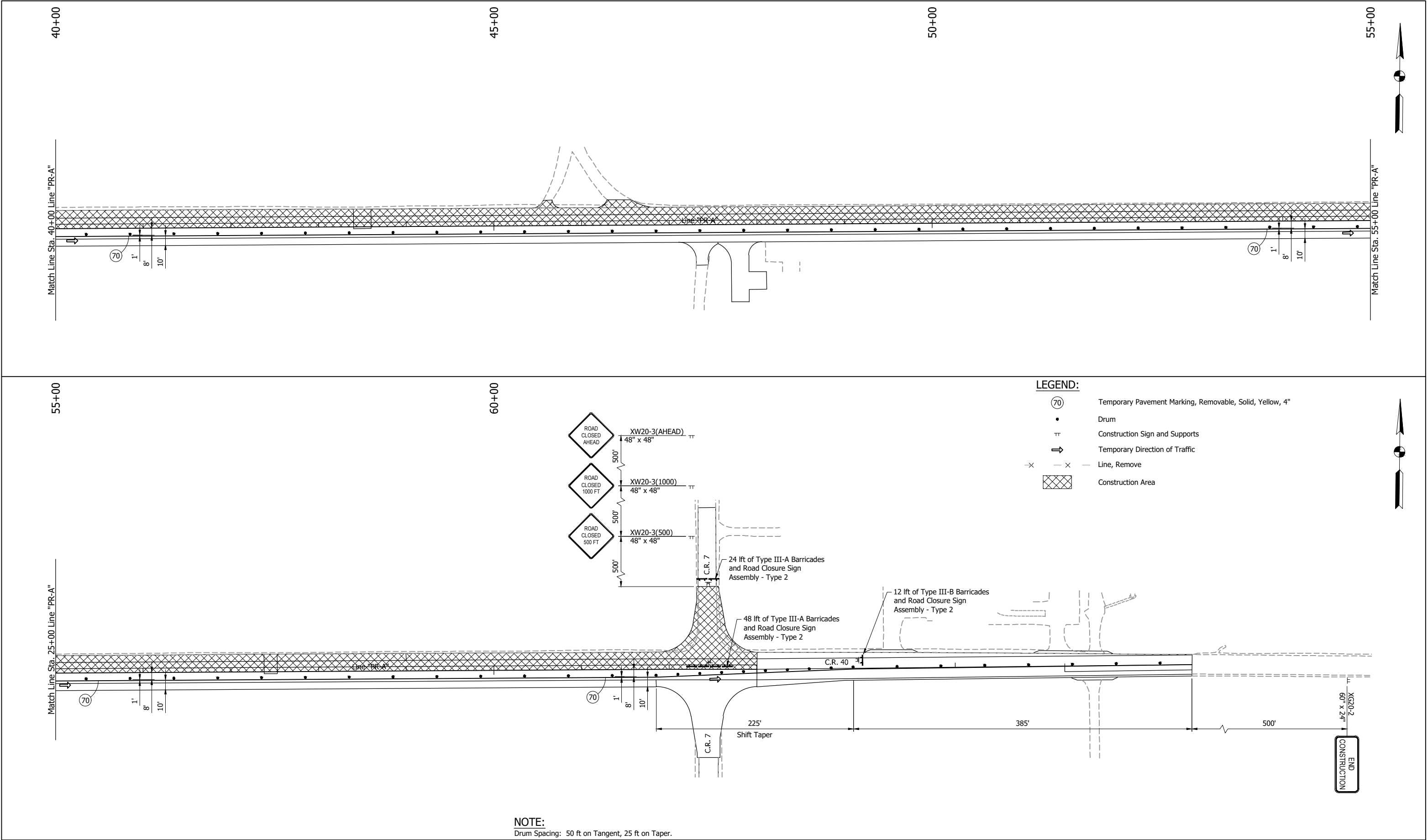
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DTC -- 7/13/2020 8:51 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_PL2_01.dwg (NOT PHASE II -- 01)



DTC -- 7/13/2020 8:51 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440MT_PL2_01.dwg (NOT PHASE II -- 02)



NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: CJN	DRAWN: JAJ		
CHECKED: JDD	CHECKED: JDD		

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II	

SCALE 1" = 50'	BRIDGE FILE
	DESIGNATION 1702848
SURVEY BOOK	SHEETS 17 of 84
CONTRACT R-41142	PROJECT 1702848

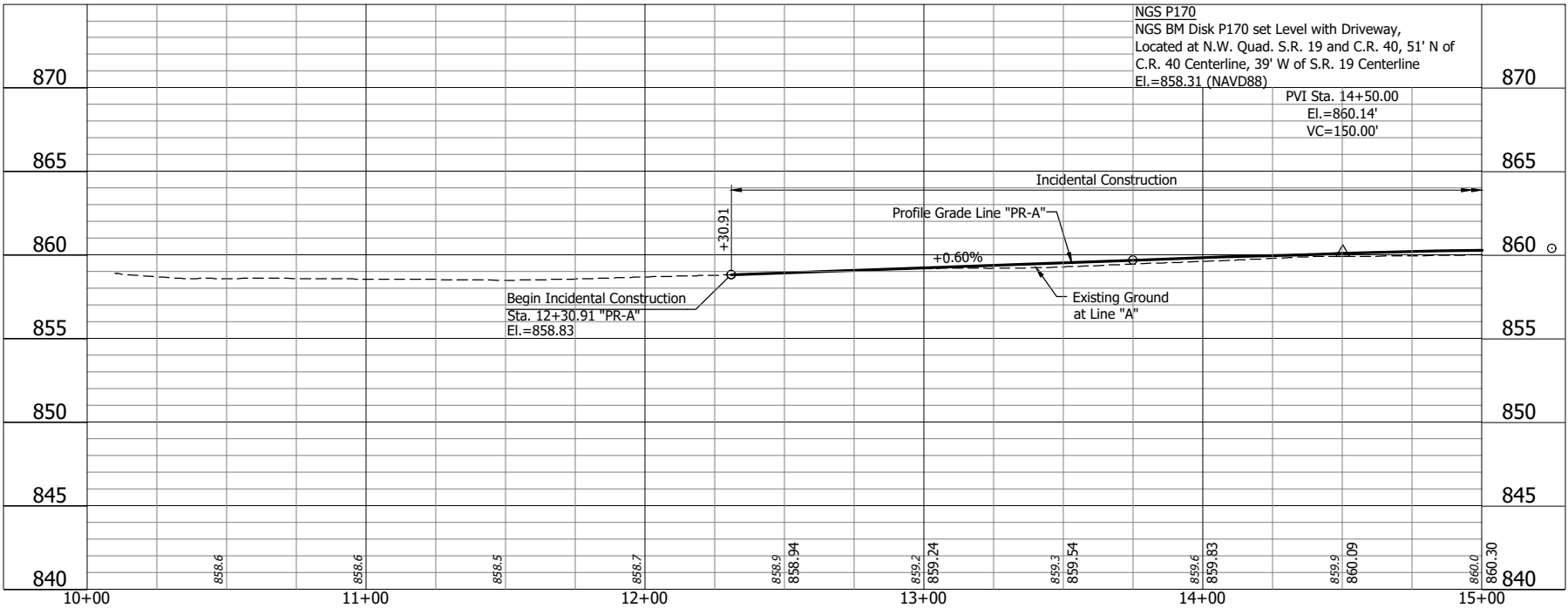
EARTHWORK BALANCE	
Line "PR-A"	
Fill +25%	= 4855 cys
Common Excavation	= 3145 cys
Borrow	= 1715 cys

Section 36, T-36-N, R-4-E
Olive Township
Elkhart County

Section 25, T-36-N, R-4-E
Olive Township
Elkhart County

Section 30, T-36-N, R-5-E
Harrison Township
Elkhart County

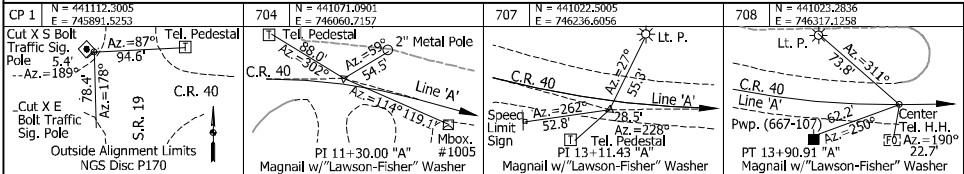
Section 31, T36N, R5E
Harrison Township
Elkhart County



LEGEND:

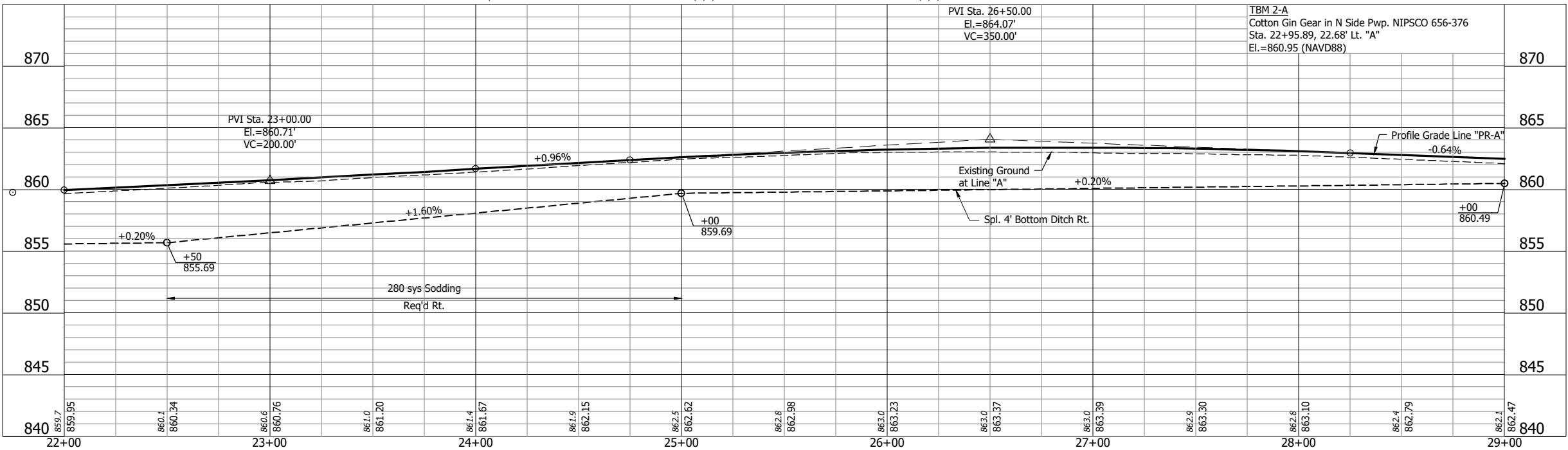
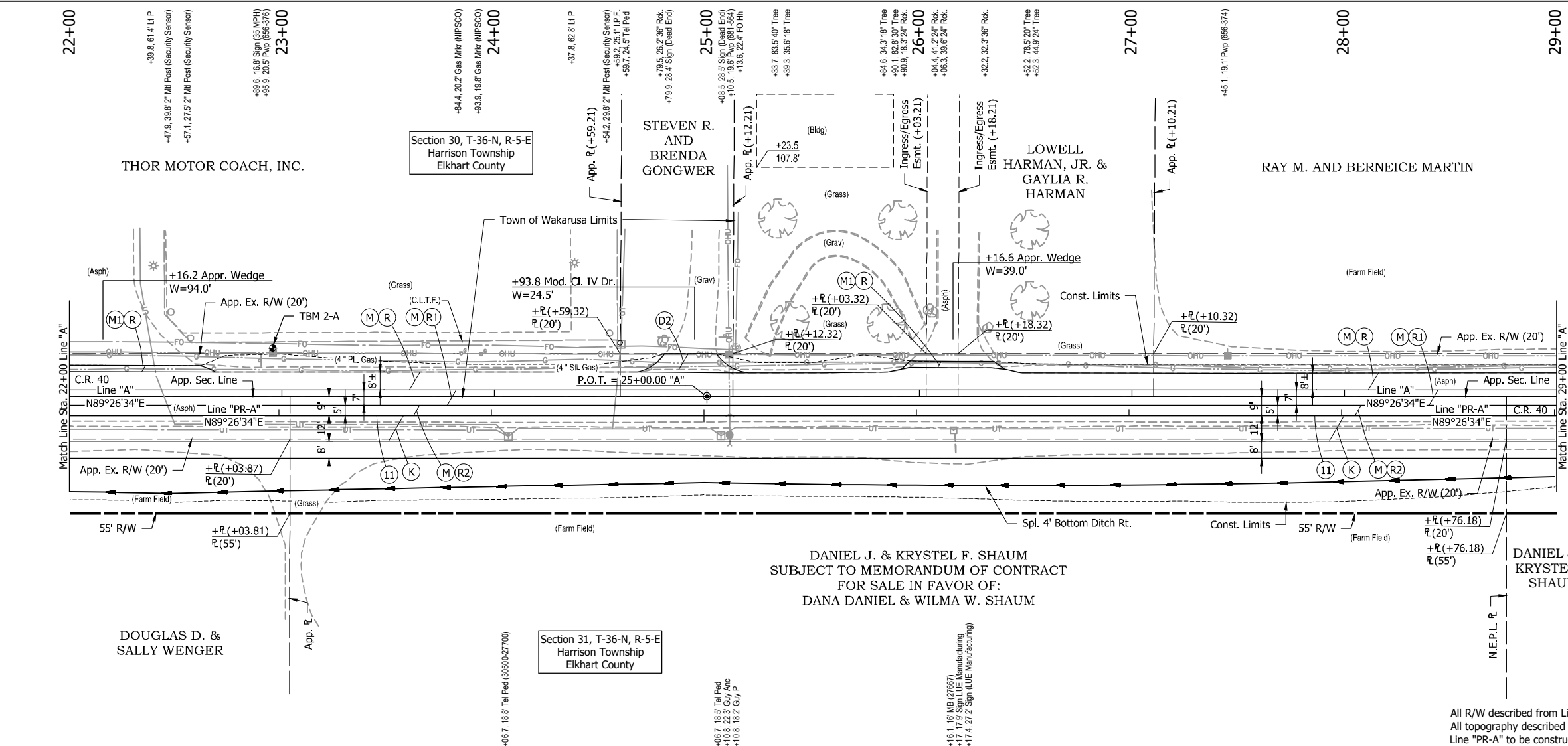
- (D2) HMA for Approaches
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
Subgrade Treatment Type II on
Geogrid, Type 1B
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm on
Subgrade Treatment, Type 1C
- (M) Milling, Profile
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (W) 165 #/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm on
Transition Milling
- (11) Sawcut
- (15) Combined Concrete Curb and Gutter, Type B Modified

All R/W described from Line "A".
All topography described from Line "A".
Line "PR-A" to be constructed.



NOT FOR
CONSTRUCTION

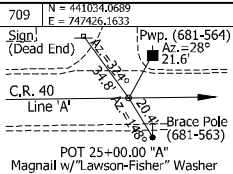
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE			
				1" = 30'					
				VERTICAL SCALE		DESIGNATION			
				1" = 5'		1702848			
DESIGNED: JDD		DRAWN: BJS		PLAN AND PROFILE - LINE "A" STA. 10+00 TO STA. 15+00		SURVEY BOOK		SHEETS	
						18		of 84	
CHECKED: MJG		CHECKED: JDD				CONTRACT		PROJECT	
				R-41142		1702848			



LEGEND:

- (D2) HMA for Approaches
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
Subgrade Treatment Type II on
Geogrid, Type 1B
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm on
Subgrade Treatment, Type 1C
- (M) Milling, Profile
- (M1) Milling, Approach
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (11) Sawcut

All R/W described from Line "A".
All topography described from Line "A".
Line "PR-A" to be constructed.

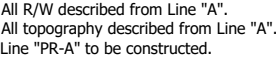
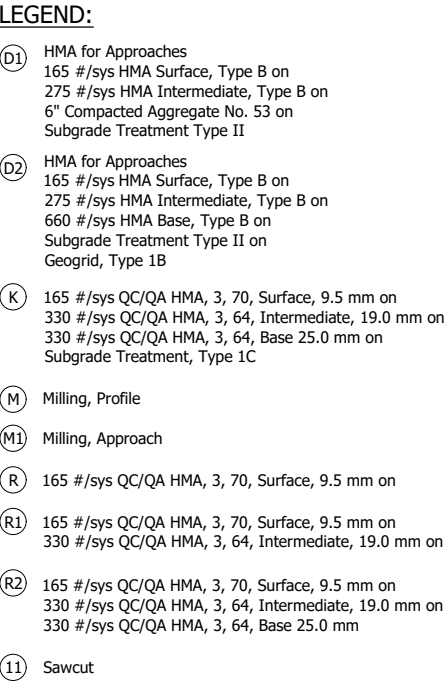


NOT FOR
CONSTRUCTION

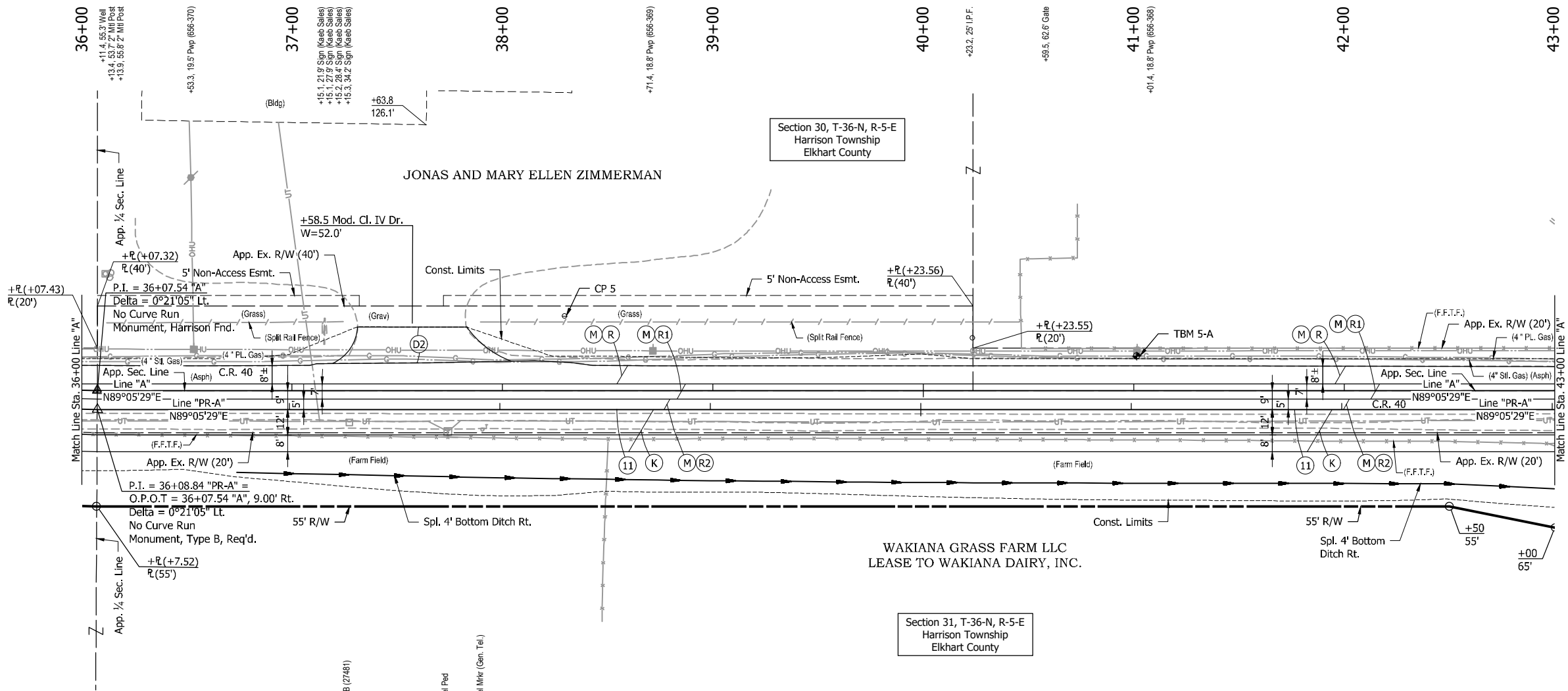
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JDD	DRAWN: BJS	
CHECKED: MJG	CHECKED: JDD	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE - LINE "A" STA. 22+00 TO STA. 29+00

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1702848
SURVEY BOOK	SHEETS 20 of 84
CONTRACT R-41142	PROJECT 1702848



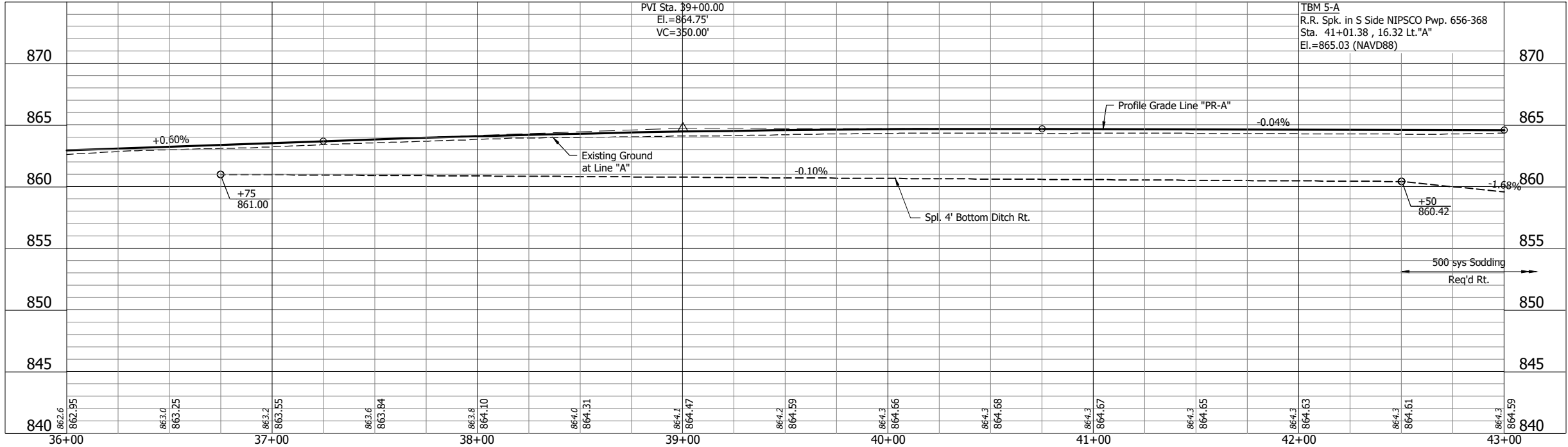
RECOMMENDED FOR APPROVAL _____ _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE	
				1" = 30'			
		DESIGNED: <u>JDD</u> DRAWN: <u>BJS</u> CHECKED: <u>MJG</u> CHECKED: <u>JDD</u>		VERTICAL SCALE		DESIGNATION	
				1" = 5'		1702848	
		PLAN AND PROFILE - LINE "A" STA. 29+00 TO STA. 36+00		SURVEY BOOK		SHEETS	
				21		of 84	
				CONTRACT		PROJECT	
				R-411142		1702848	



LEGEND:

- (D2) HMA for Approaches
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
Subgrade Treatment Type II on
Geogrid, Type 1B
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (M) Milling, Profile
- (M1) Milling, Approach
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (11) Sawcut

All R/W described from Line "A".
All topography described from Line "A".
Line "PR-A" to be constructed.



CP 5 N = 441083.5393
E = 748755.1342
Tip. (No Id)
Pwp. #656-369
Az = 111° 44.9'
Az = 289°
189.5'
1/2" X 18" Rebar w/Green LFA Cap
Magnail In
Pwp. #656-370
OPOT 38+29.61, 35.18 Lt. "A"
C.R. 40
S 1/4 Cor. Sec. 30, T36N, R5E
Harrison monument, Flush

500009 N = 441044.8391
E = 748533.6542
Rebar with Elk.
Co. Surveyor Cap
Magnail S Face
Pwp. #656-370
Az = 111° 44.9'
Az = 289°
189.5'
1/2" X 18" Rebar w/Green LFA Cap
Magnail In
Pwp. #656-370
OPOT 38+29.61, 35.18 Lt. "A"
C.R. 40
S 1/4 Cor. Sec. 30, T36N, R5E
Harrison monument, Flush

NOT FOR
CONSTRUCTION

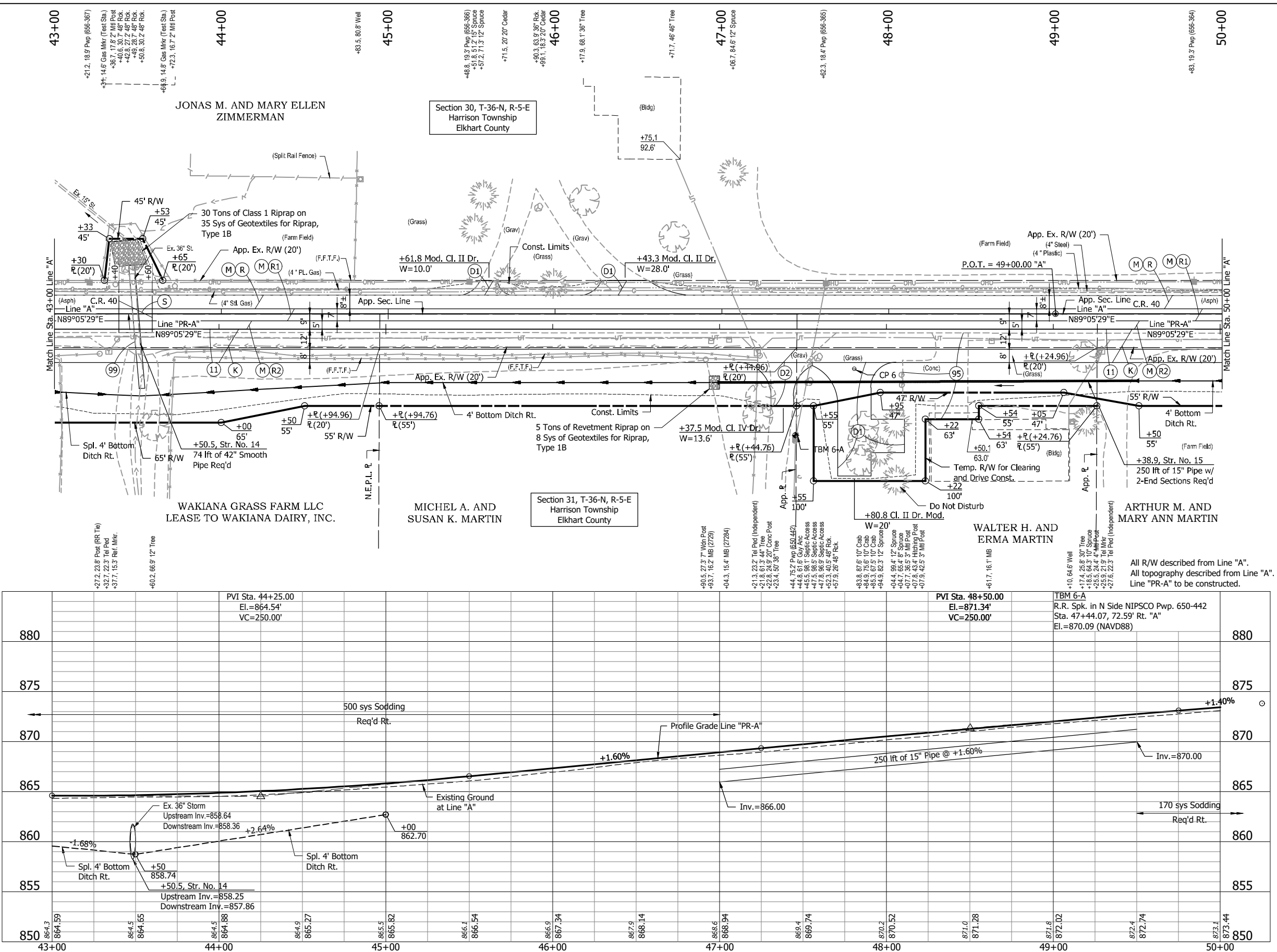
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

DESIGNED: JDD DRAWN: BJS
CHECKED: MJG CHECKED: JDD

INDIANA
DEPARTMENT OF TRANSPORTATION

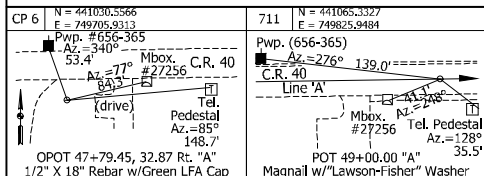
PLAN AND PROFILE - LINE "A"
STA. 36+00 TO STA. 43+00

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1702848
SURVEY BOOK	SHEETS 22 of 84
CONTRACT R-41142	PROJECT 1702848



LEGEND:

- (D1) HMA for Approaches
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
6" Compacted Aggregate No. 53 on
Subgrade Treatment, Type II
- (D2) HMA for Approaches
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
Subgrade Treatment, Type II on
Geogrid, Type 1B
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm on
Subgrade Treatment, Type 1C
- (M) Milling, Profile
- (M1) Milling, Approach
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (S) HMA for Structure Installation, Type B
165 #/sys HMA Surface, Type B on
275 #/sys HMA Intermediate, Type B on
660 #/sys HMA Base, Type B on
6" Compacted Aggregate, No. 53 on
Subgrade Treatment, Type II
- (11) Sawcut
- (95) Pavement Remove
- (99) Remove



NOT FOR
CONSTRUCTION

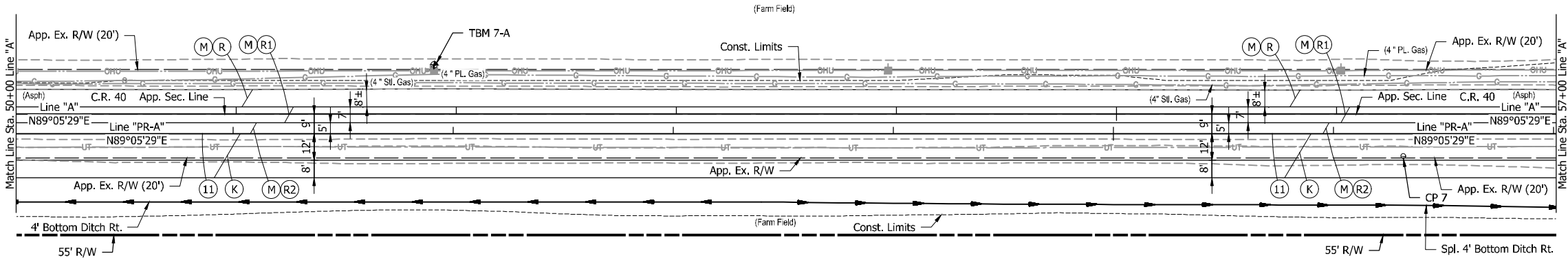
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE - LINE "A" STA. 43+00 TO STA. 50+00		HORIZONTAL SCALE		BRIDGE FILE		
			1" = 30'				
			VERTICAL SCALE		DESIGNATION		
			1" = 5'		1702848		
DESIGNED: JDD	DRAWN: BJS		SURVEY BOOK		SHEETS		
					23	of	84
CHECKED: MJG	CHECKED: JDD		CONTRACT		PROJECT		
			R-41142		1702848		

JDD - 7/13/2020 8:52 AM - U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440TR_PP07.dwg (PLAN & PROFILE)

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00

JONAS M. AND MARY ELLEN ZIMMERMAN

Section 30, T-36-N, R-5-E
Harrison Township
Elkhart County

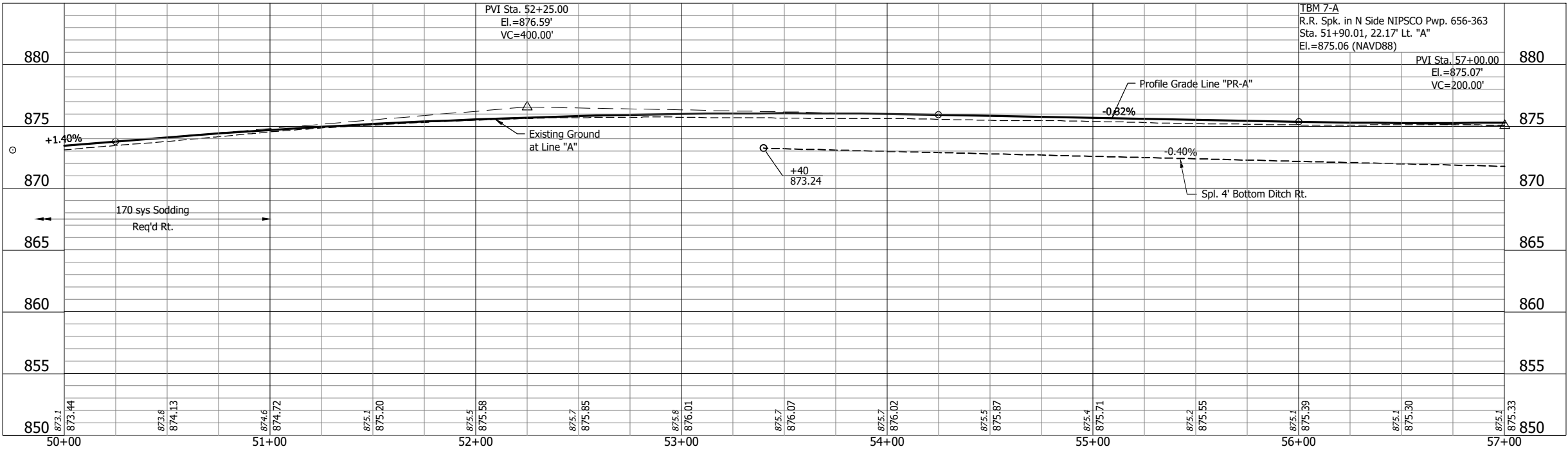


ARTHUR M. AND MARY ANN MARTIN

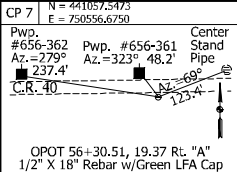
Section 31, T-36-N, R-5-E
Harrison Township
Elkhart County

LEGEND:

- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm on Subgrade Treatment, Type 1C
- (M) Milling, Profile
- (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
- (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
- (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
- (11) Sawcut



All R/W described from line "A".
All topography described from line "A".
Line "PR-A" to be constructed.



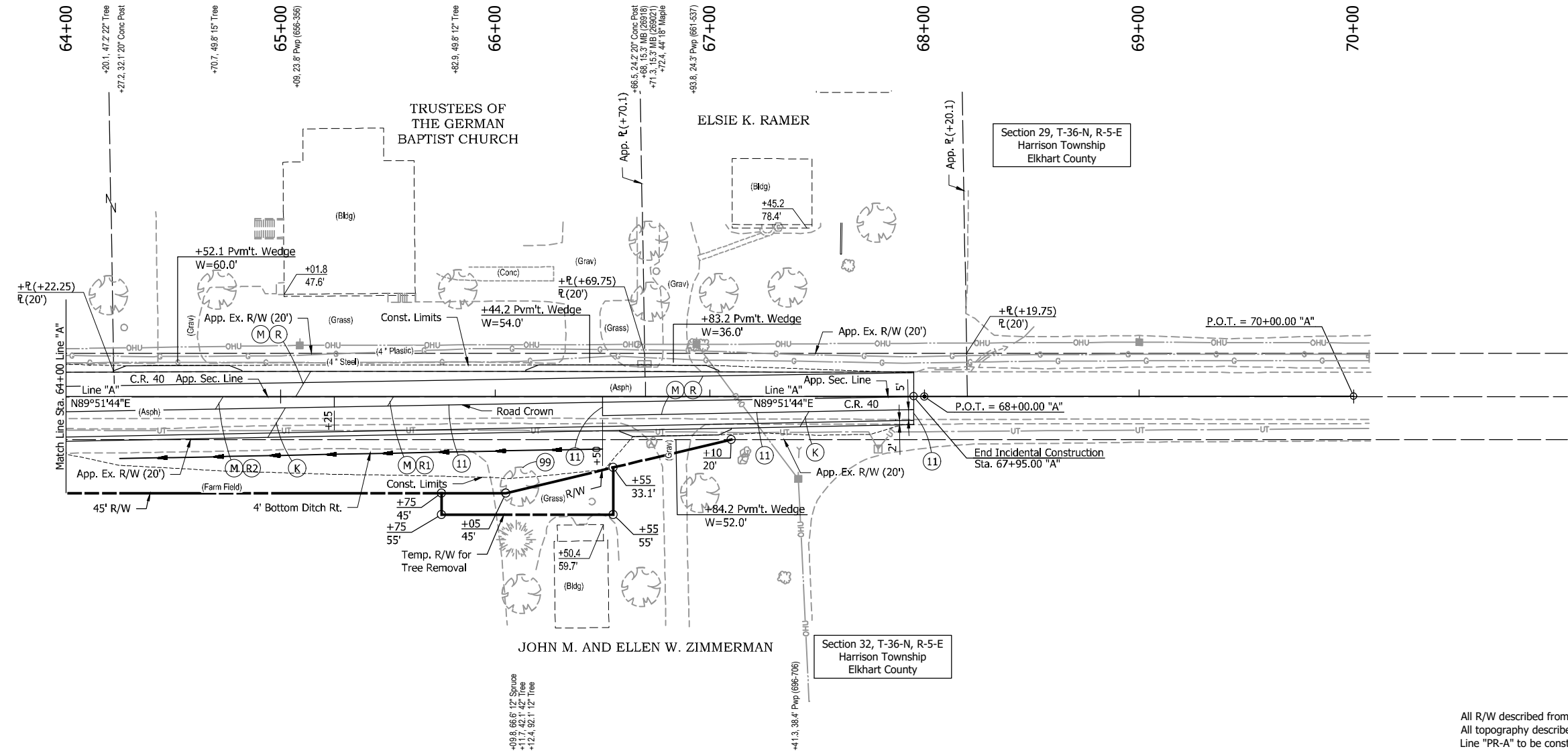
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JDD	DRAWN: BJS	
CHECKED: MJG	CHECKED: JDD	

INDIANA
DEPARTMENT OF TRANSPORTATION

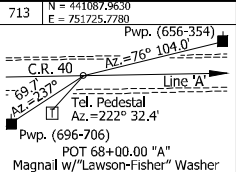
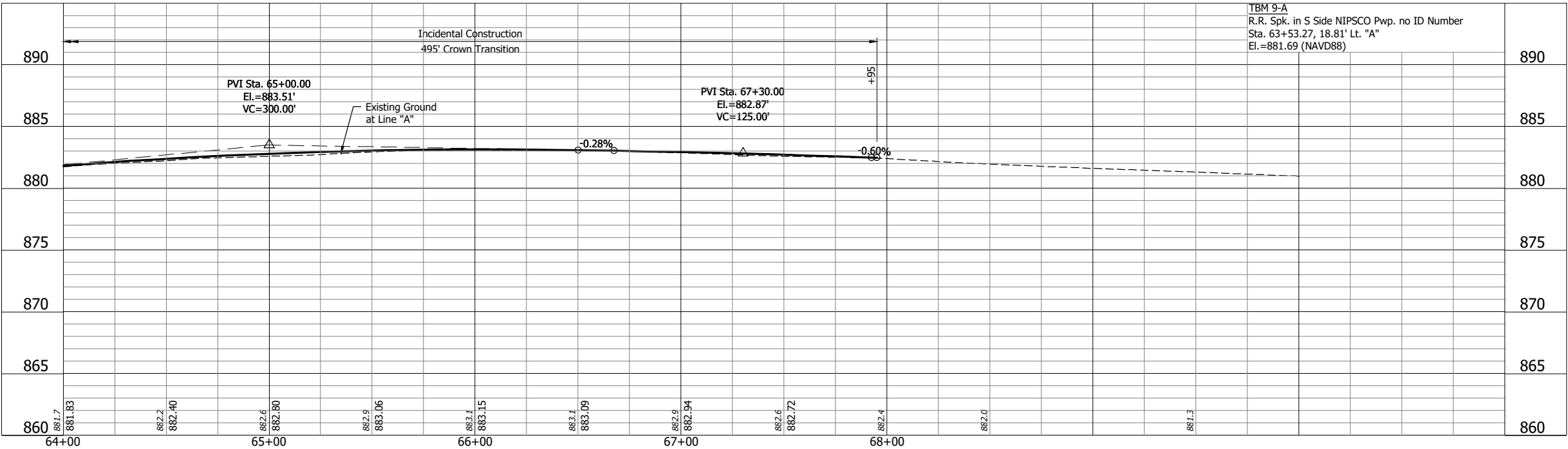
PLAN AND PROFILE - LINE "A"
STA. 50+00 TO STA. 57+00

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1702848
SURVEY BOOK	SHEETS
24	of 84
CONTRACT	PROJECT
R-41142	1702848



- LEGEND:**
- (K) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm on Subgrade Treatment, Type 1C
 - (M) Milling, Profile
 - (R) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on
 - (R1) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on
 - (R2) 165 #/sys QC/QA HMA, 3, 70, Surface, 9.5 mm on 330 #/sys QC/QA HMA, 3, 64, Intermediate, 19.0 mm on 330 #/sys QC/QA HMA, 3, 64, Base 25.0 mm
 - (11) Sawcut

All R/W described from Line "A".
All topography described from Line "A".
Line "PR-A" to be constructed.

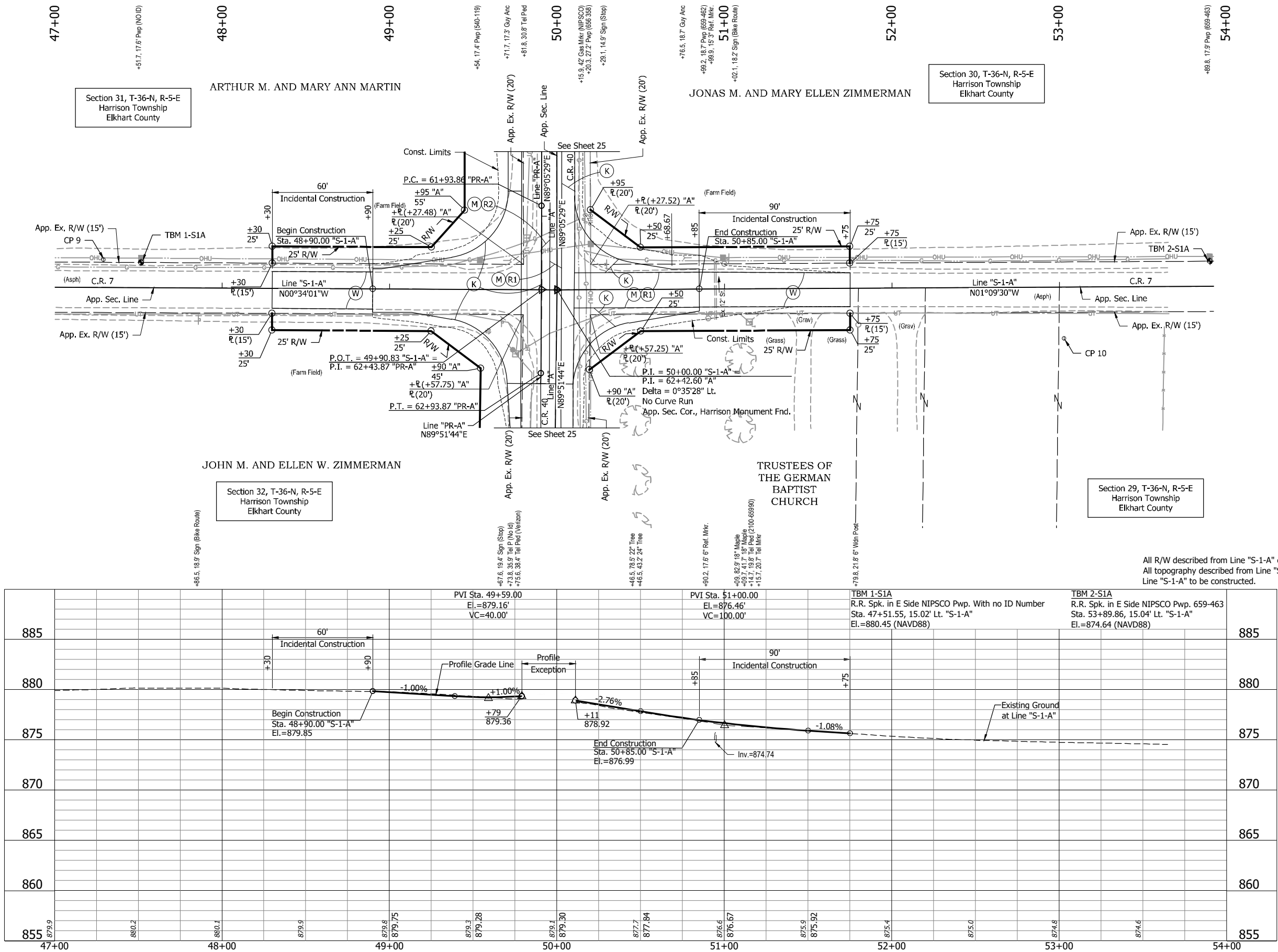


NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	
DESIGNED: JDD	DRAWN: BJS
CHECKED: MJG	CHECKED: JDD

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE - LINE "A" STA. 64+00 TO STA. 70+00	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1702848
SURVEY BOOK	SHEETS
CONTRACT R-41142	26 of 84 PROJECT 1702848



CP 9 N = 440815.7546 E = 751154.6431 Gas Marker Pwp. (No ID) Az = 178° 50.9' E.P. Az = 89° 22.4' C.R. 7 OPOT 47+29.28, 16.42 Lt. "S-1-A" 1/2" X 18" Rebar w/Green LFA Cap	CP 10 N = 441389.8899 E = 751192.9462 Pwp. #659-463 Az = 330° 99.2' E.P. Az = 269° 18.8' C.R. 7 Fence Post OPOT 53+02.71, 30.69 Rt. "S-1-A" 1/2" X 18" Rebar w/Green LFA Cap	714 N = 440586.6459 E = 751173.3308 Pwp. (690-075) Pwp. (540-121) Az = 187° 122.3' Az = 339° 48.1' Line "S-1-A" E.P. Az = 270° 9.9' C.R. 7 POT 45+00.00 "S-1-A" Magnafl w/"Lawson-Fisher" Washer	715 N = 441486.3397 E = 751160.2974 Pwp. (659-463) Az = 238° 20.0' Line "S-1-A" E.P. Az = 73° 105.7' C.R. 7 Fence Post Az = 146° 44.7' POT 54+00.00 "S-1-A" Magnafl w/"Lawson-Fisher" Washer
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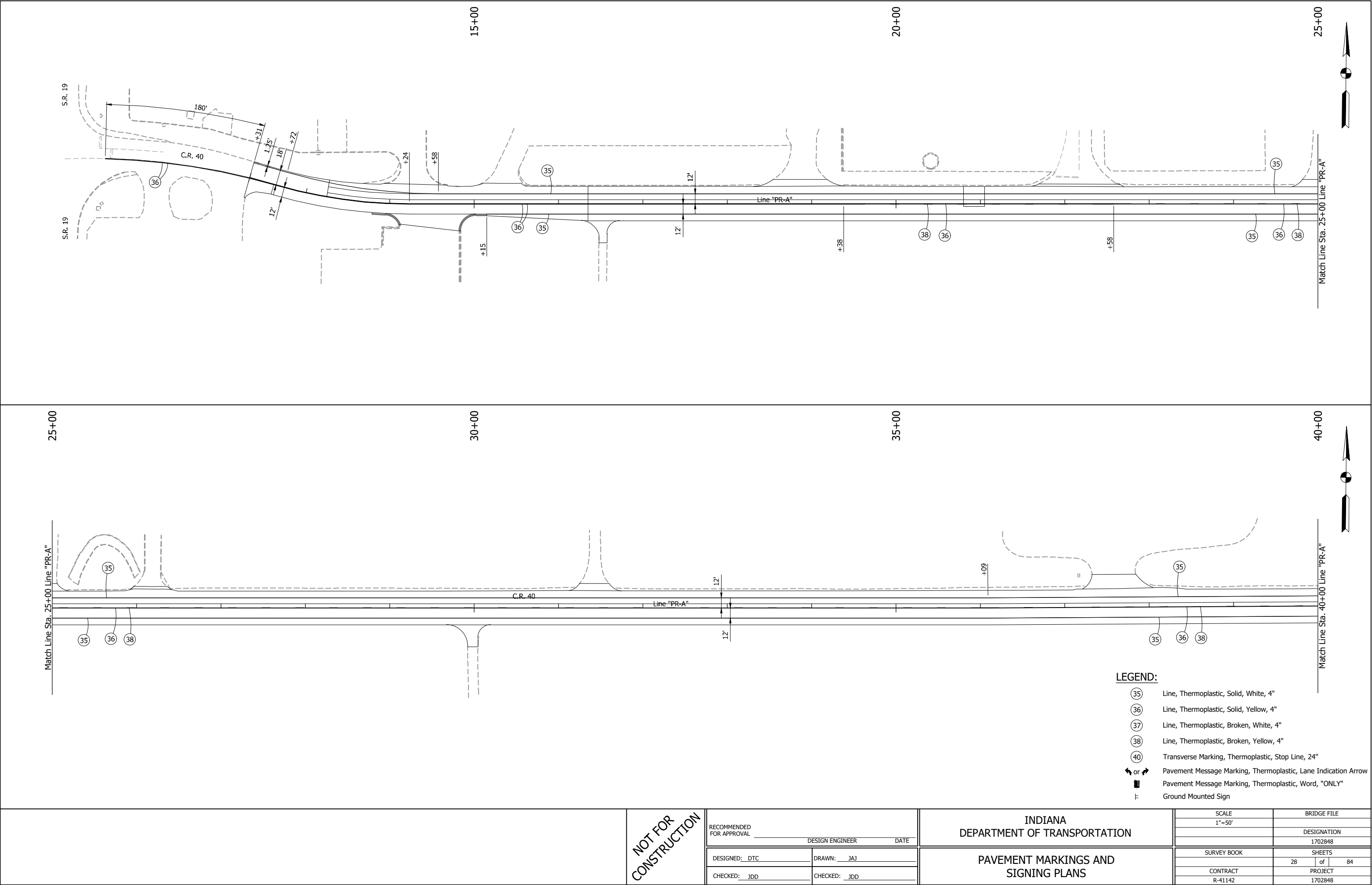
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JDD	DRAWN: BJS	
CHECKED: MJG	CHECKED: JDD	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE - LINE "S-1-A" STA. 47+00 TO STA. 54+00

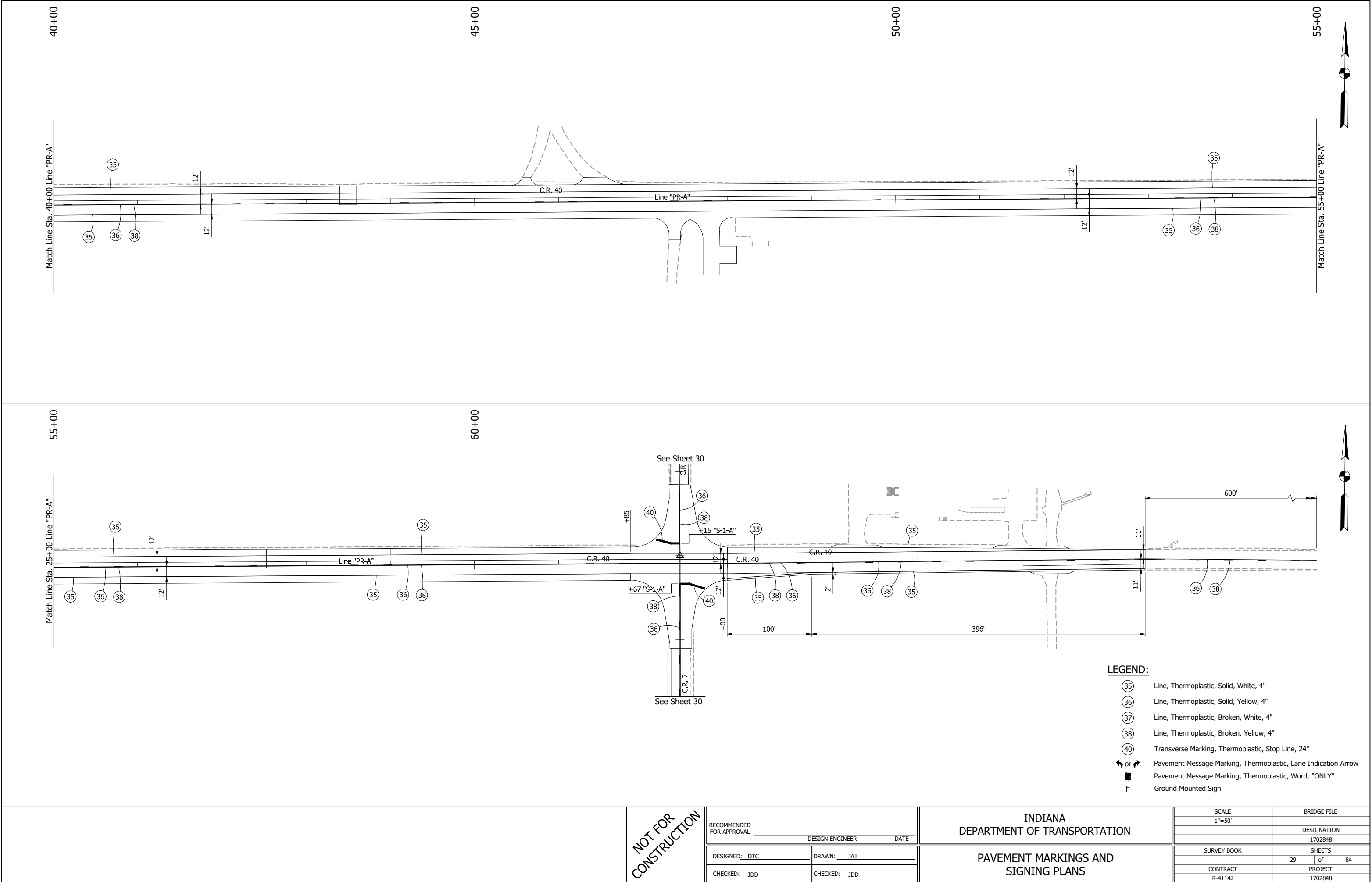
HORIZONTAL SCALE 1" = 30'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1702848
SURVEY BOOK	SHEETS 27 of 84
CONTRACT R-41142	PROJECT 1702848

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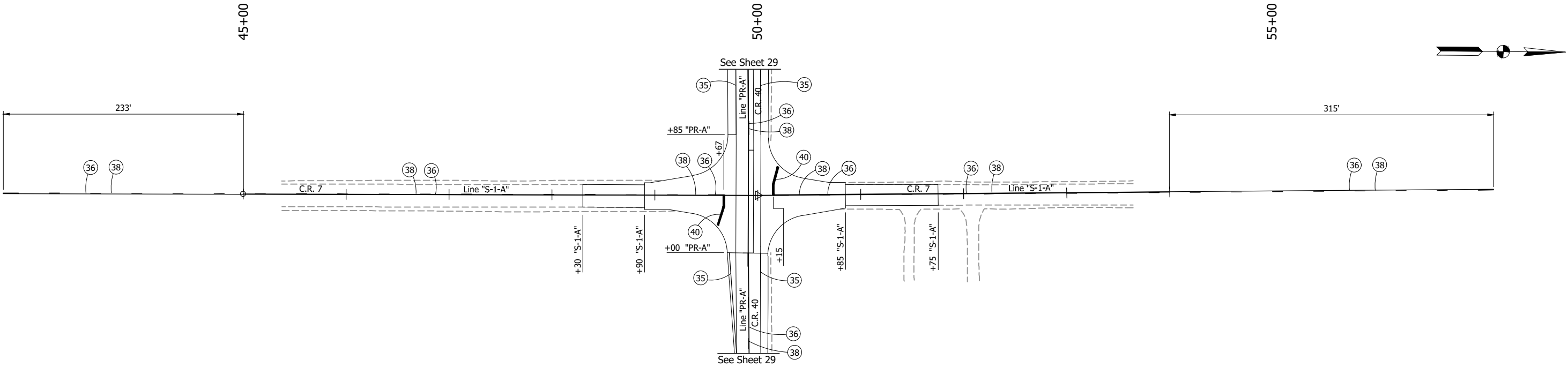


NOT FOR
CONSTRUCTION

JDD -- 7/13/2020 8:53 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440PM_PL01.dwg (PAVEMENT MARKING -- 02)



JDD -- 7/13/2020 8:53 AM -- U:\2018\201884 Elk Co CR40\Cad\Plan Set\Civil\188440PM_PL01.dwg (PAVEMENT MARKING -- 03)



- LEGEND:**
- (35) Line, Thermoplastic, Solid, White, 4"
 - (36) Line, Thermoplastic, Solid, Yellow, 4"
 - (37) Line, Thermoplastic, Broken, White, 4"
 - (38) Line, Thermoplastic, Broken, Yellow, 4"
 - (40) Transverse Marking, Thermoplastic, Stop Line, 24"
 - or Pavement Message Marking, Thermoplastic, Lane Indication Arrow
 - Pavement Message Marking, Thermoplastic, Word, "ONLY"
 - Ground Mounted Sign

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	
DESIGNED: <u>DTC</u>	DRAWN: <u>JAJ</u>
CHECKED: <u>JDD</u>	CHECKED: <u>JDD</u>

INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1"=50'	BRIDGE FILE
		DESIGNATION 1702848
PAVEMENT MARKINGS AND SIGNING PLANS	SURVEY BOOK	SHEETS 30 of 84
	CONTRACT R-41142	PROJECT 1702848

[illegible]

NOT FOR
CONSTRUCTION

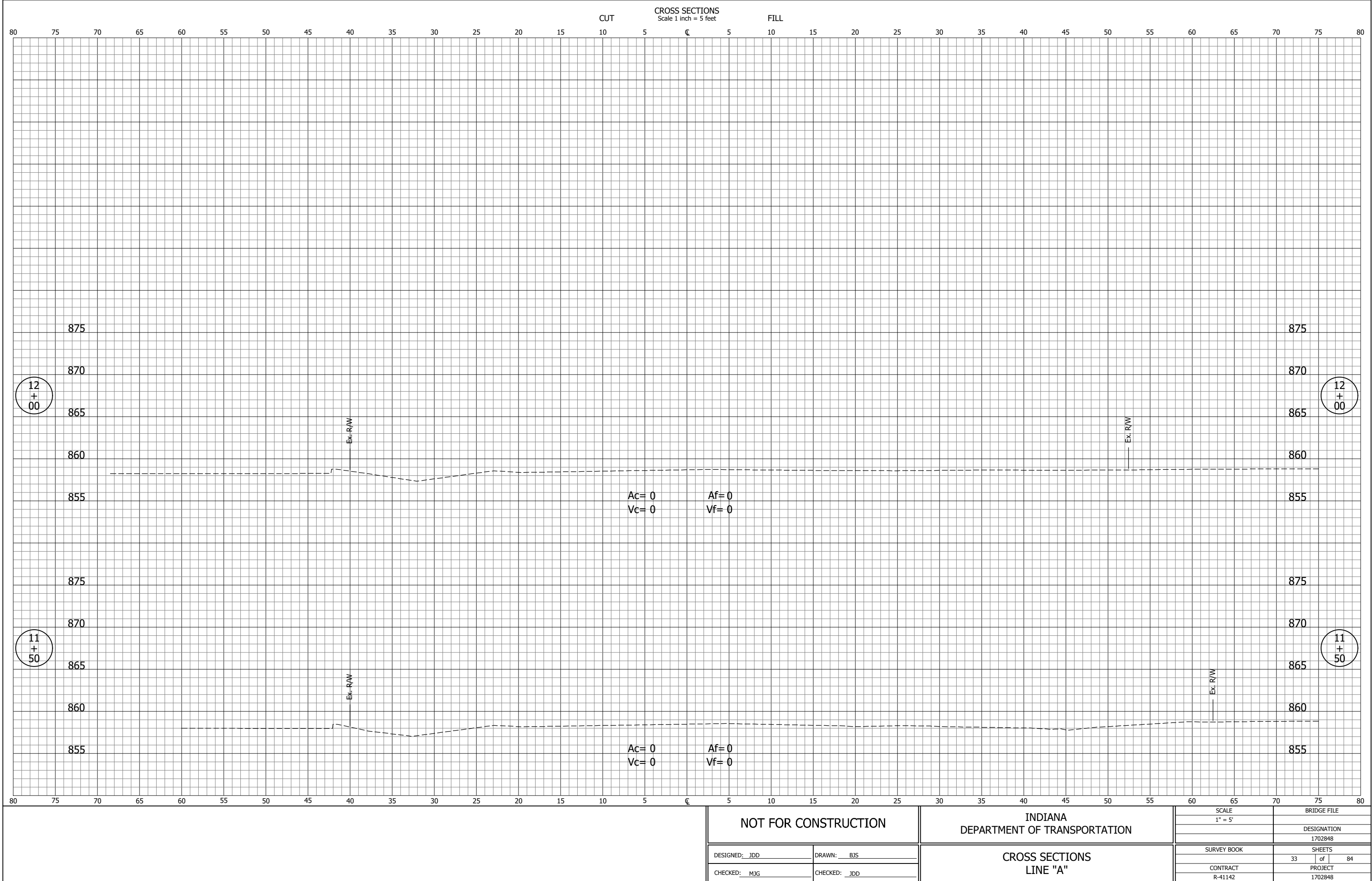
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE _____ BRIDGE FILE _____	
DESIGNED: <u>DTC</u>		DRAWN: <u>BJS</u>		DESIGNATION 1702848	
CHECKED: <u>JDD</u>		CHECKED: <u>DTC</u>		SURVEY BOOK _____ SHEETS 31 of 84	
		APPROACH TABLE		CONTRACT R-41142 PROJECT 1702848	

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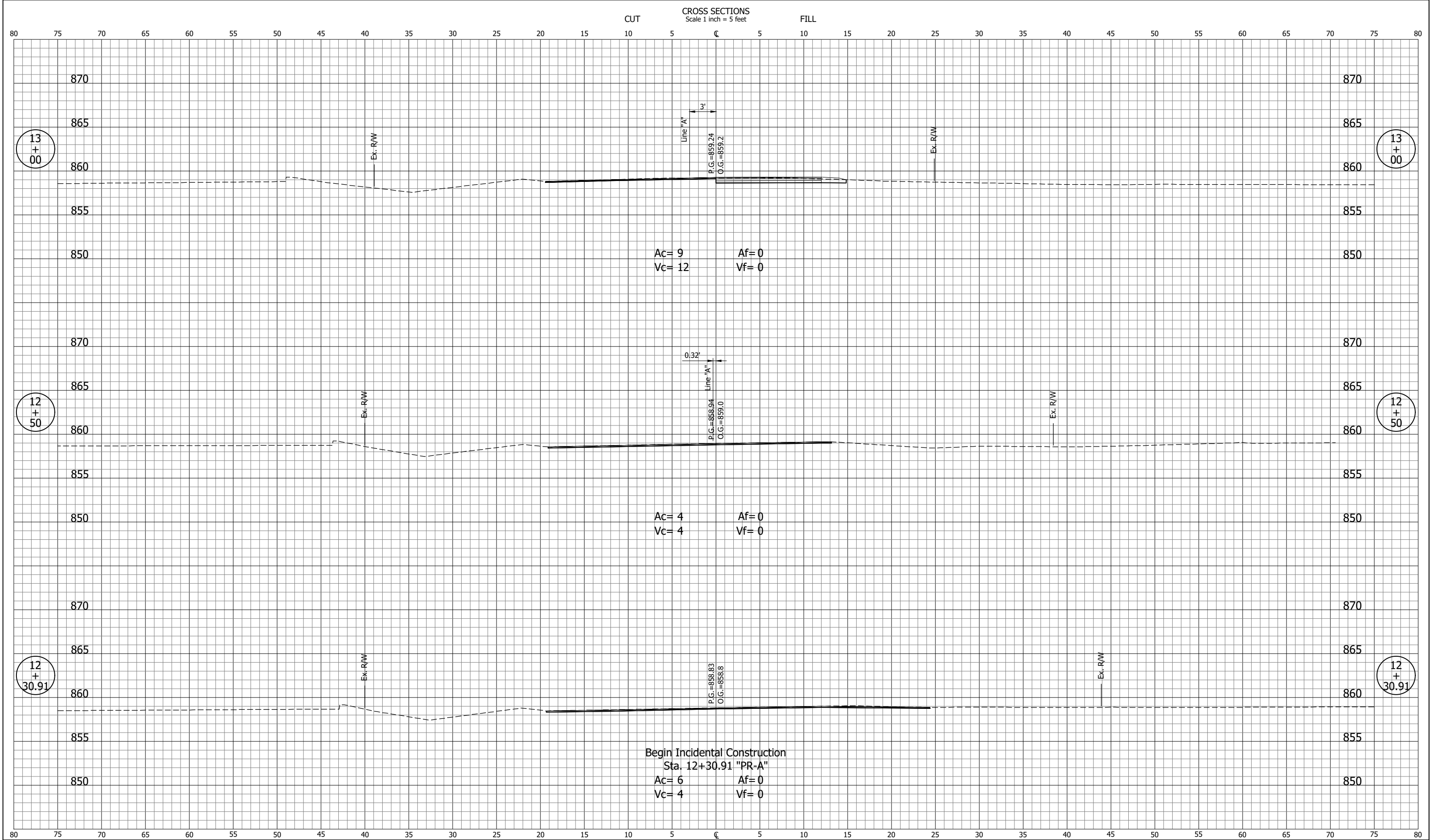
* Riprap and Geotextile
Quantity Listed on
Paved Side Ditch,
Riprap Ditch and
Sodding Table

	NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____		INDIANA DEPARTMENT OF TRANSPORTATION	SCALE		BRIDGE FILE				
		DESIGN ENGINEER _____ DATE _____			*****		DESIGNATION				
		DESIGNED: <u> DTC </u>		DRAWN: <u> BJS </u>		ROAD SUMMARY TABLE		SURVEY BOOK		SHEETS	
		CHECKED: <u> JDD </u>		CHECKED: <u> DTC </u>				32 of 84		PROJECT	
						CONTRACT		1702848			
						R-41142		1702848			

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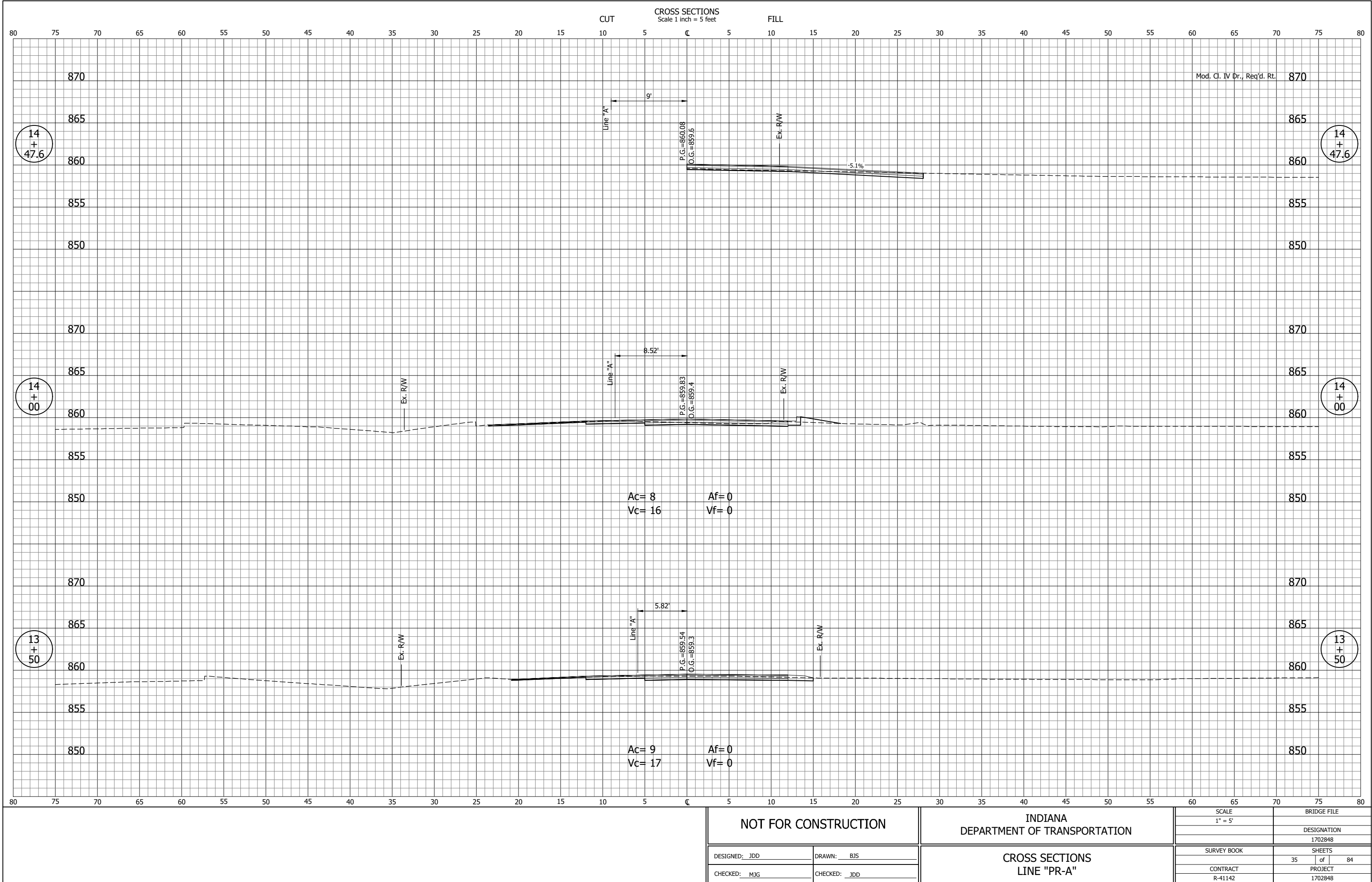


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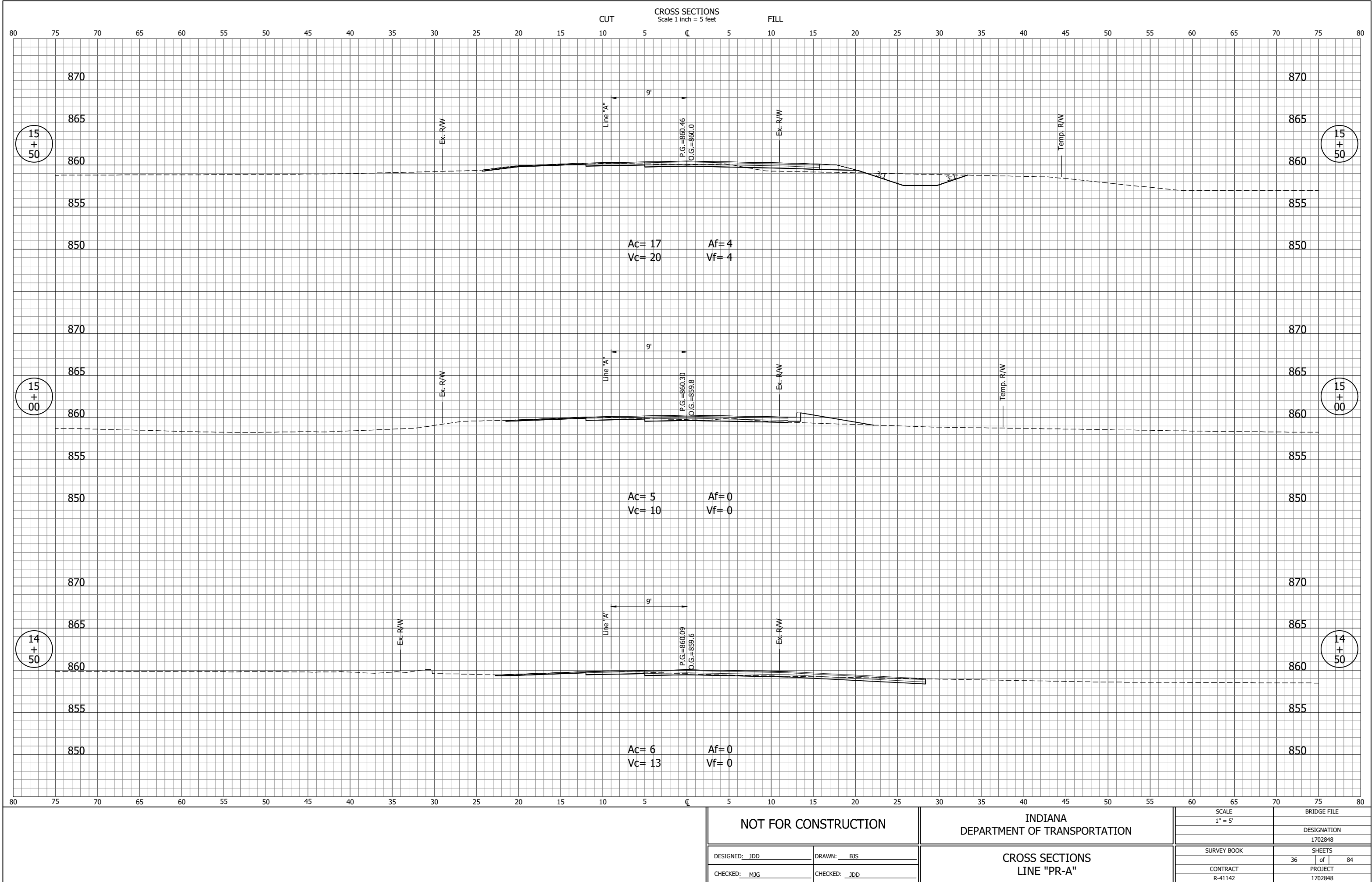
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				DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK	SHEETS 34 of 84
CHECKED: MJG	CHECKED: JDD		CONTRACT R-41142	PROJECT 1702848

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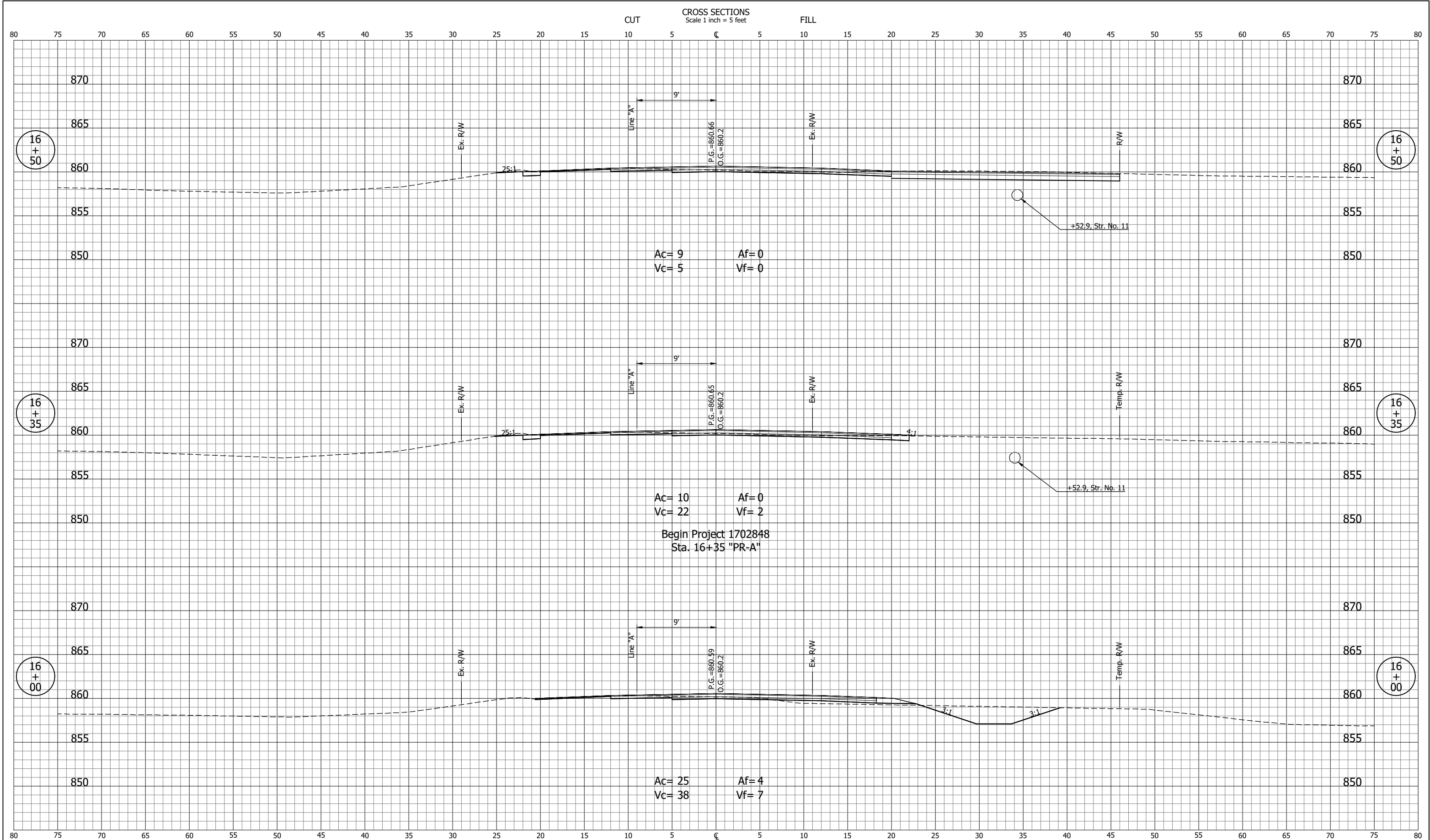


JDD

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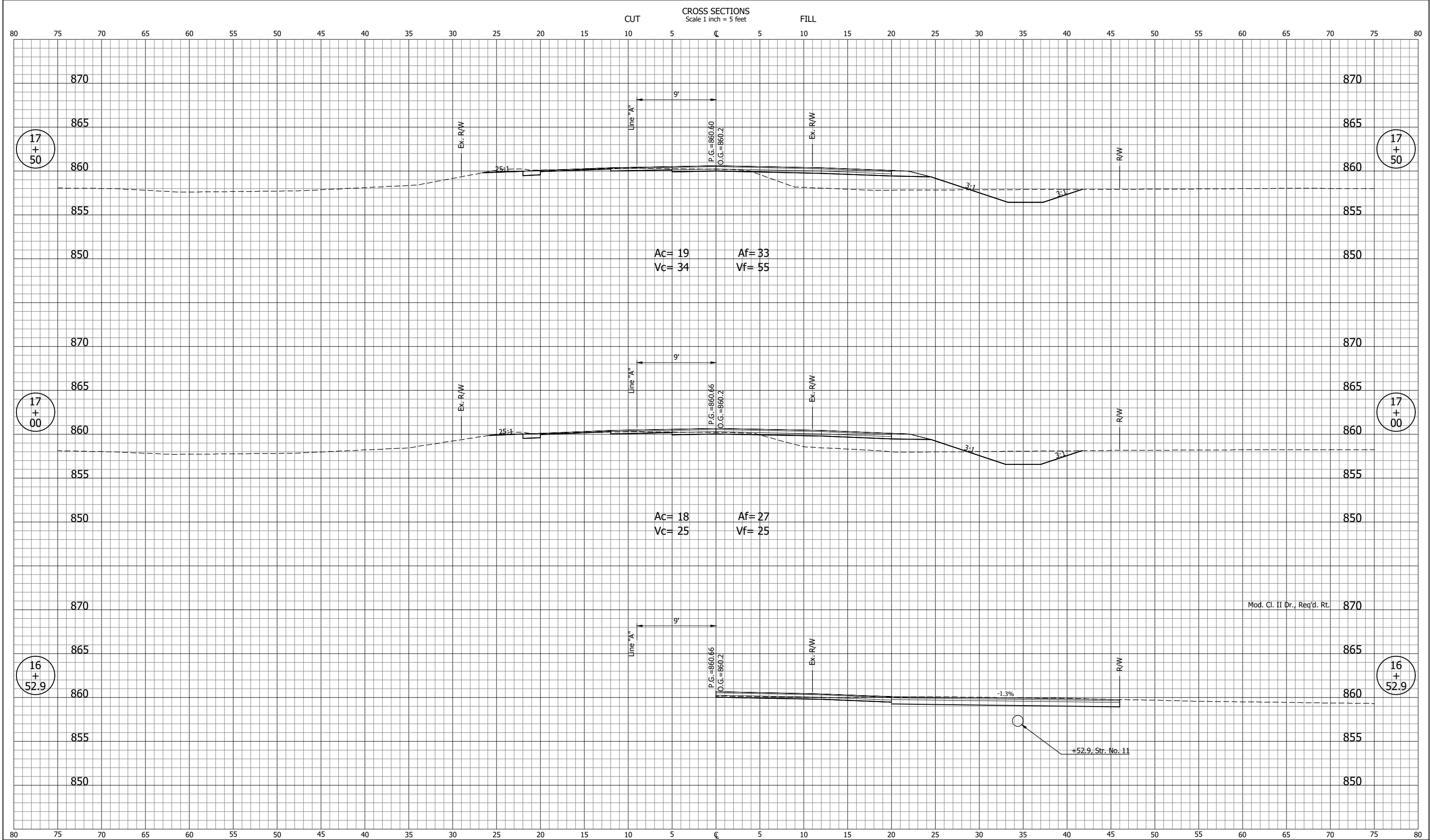


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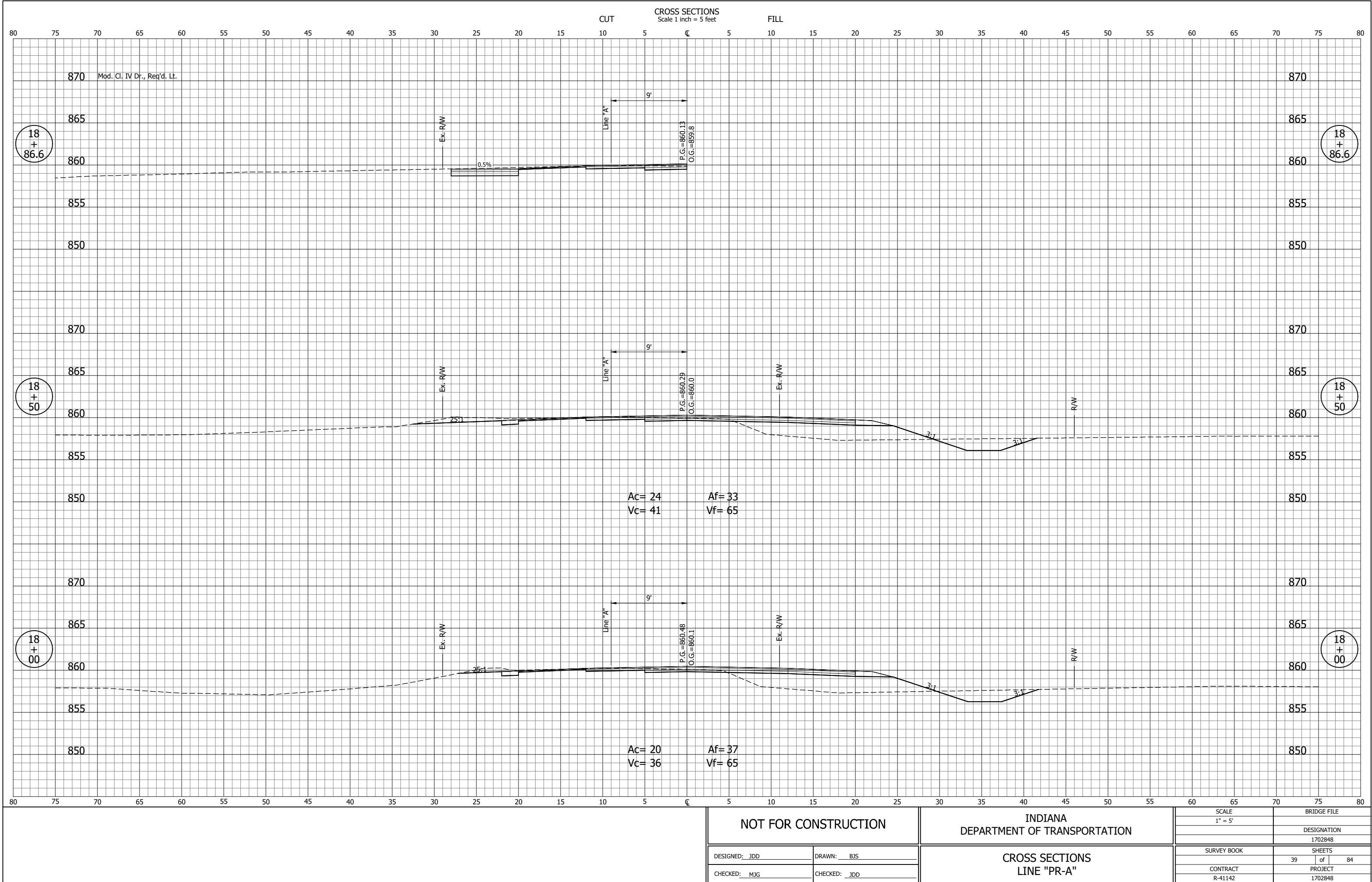
NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION	SCALE		BRIDGE FILE	
			1" = 5'			
					DESIGNATION	
					1702848	
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK		SHEETS	
					37	of 84
CHECKED: MJG	CHECKED: JDD		CONTRACT		PROJECT	
			R-41142		1702848	

JDD - 7/13/2020 8:54 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_7_PR-A)



NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 38 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

JDD - 7/13/2020 8:54 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_8_PR-A)



NOT FOR CONSTRUCTION

DESIGNED: JDD

DRAWN: BJS

CHECKED: MJG

CHECKED: JDD

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-A"

SCALE
1" = 5'

BRIDGE FILE

DESIGNATION

1702848

SURVEY BOOK

SHEETS

39

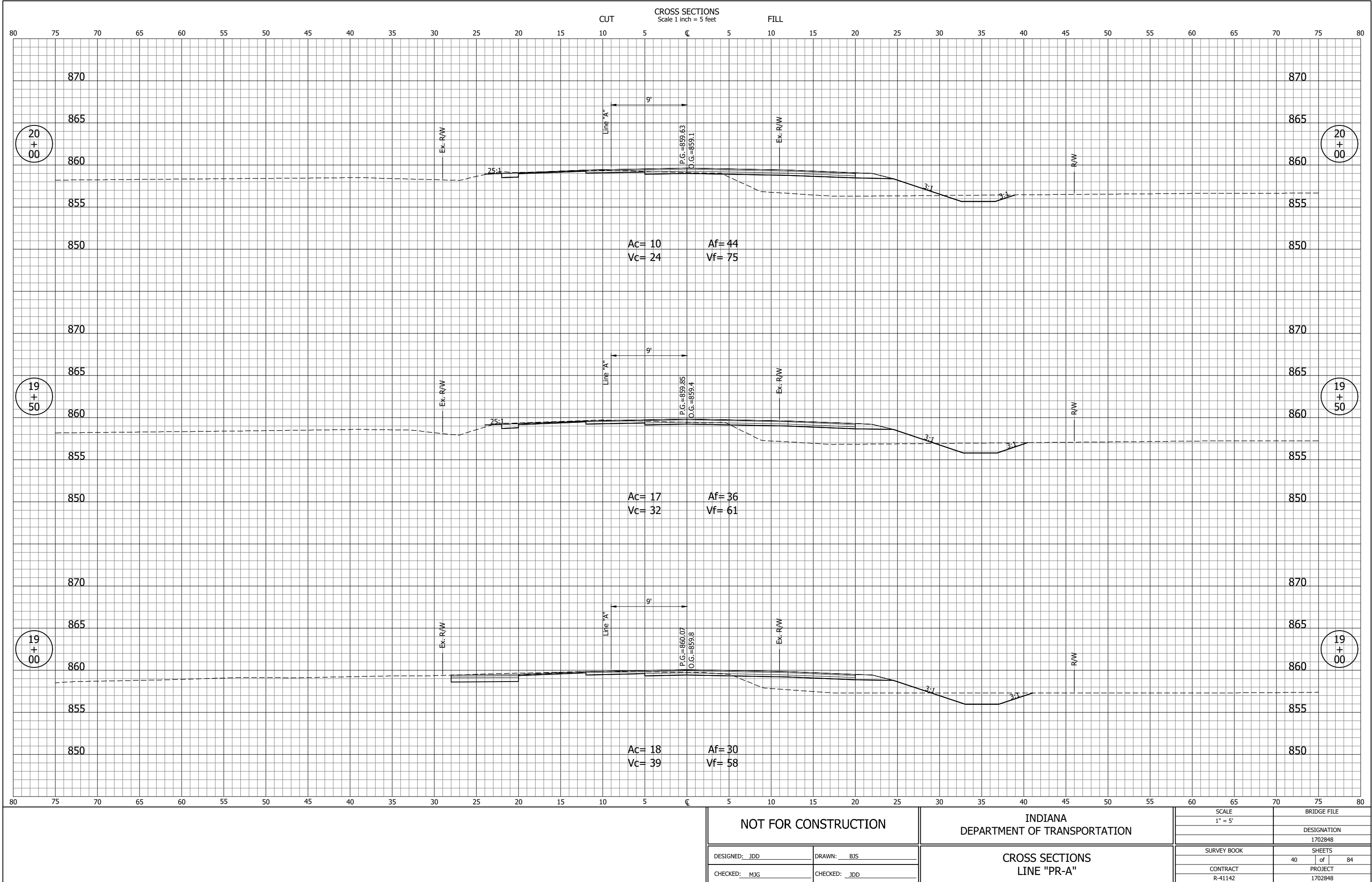
84

CONTRACT
R-41142

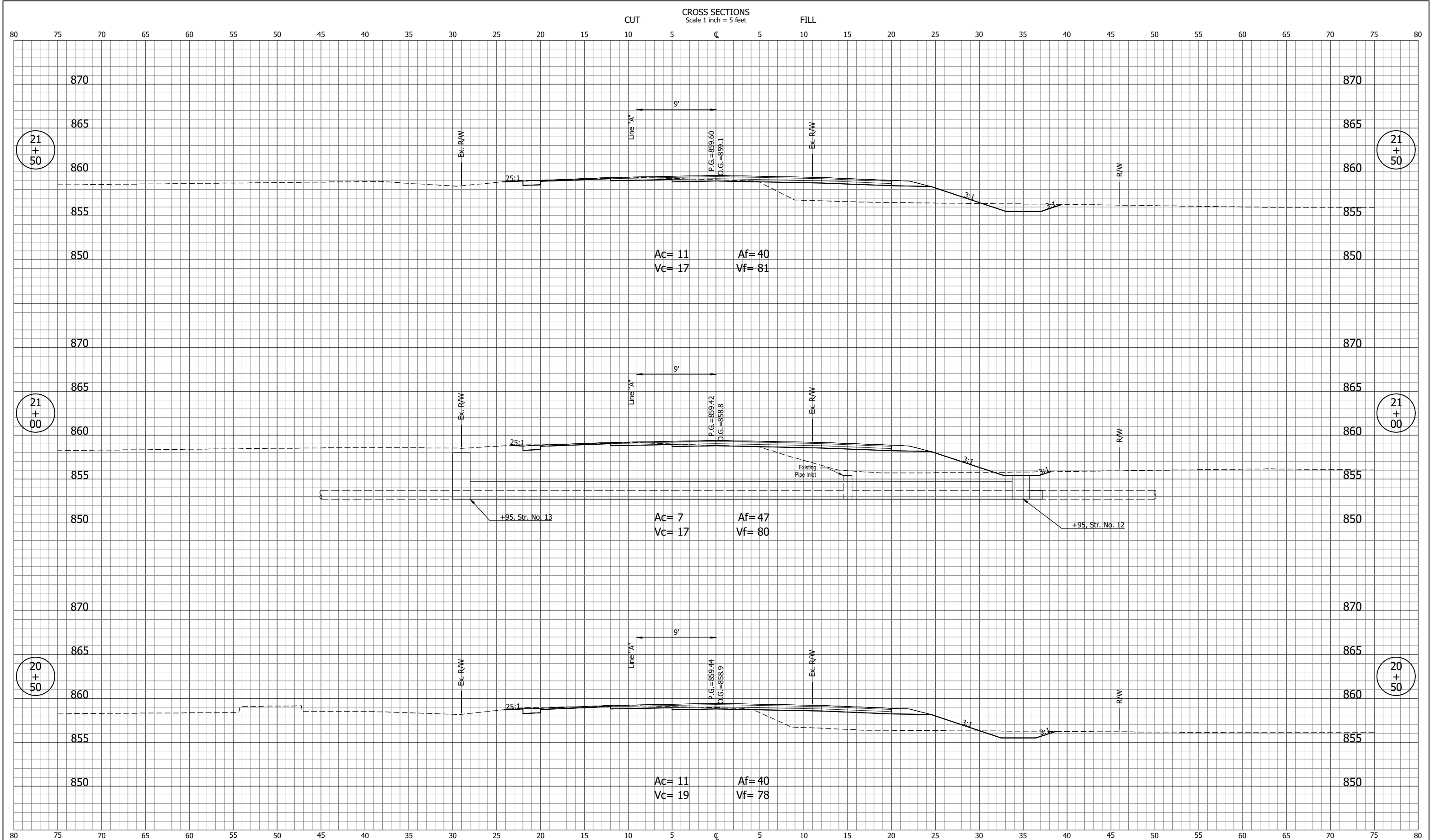
PROJECT

1702848

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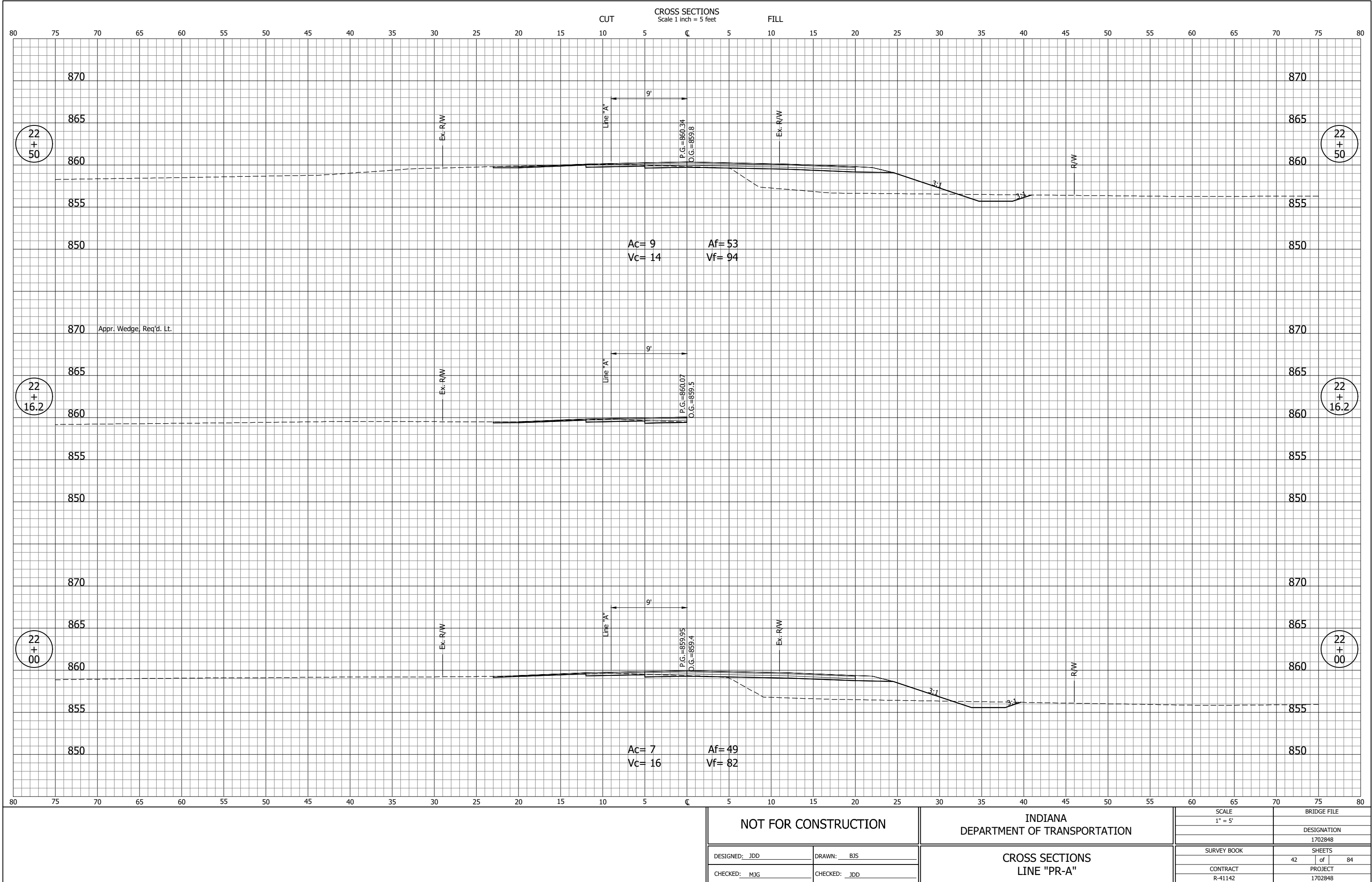


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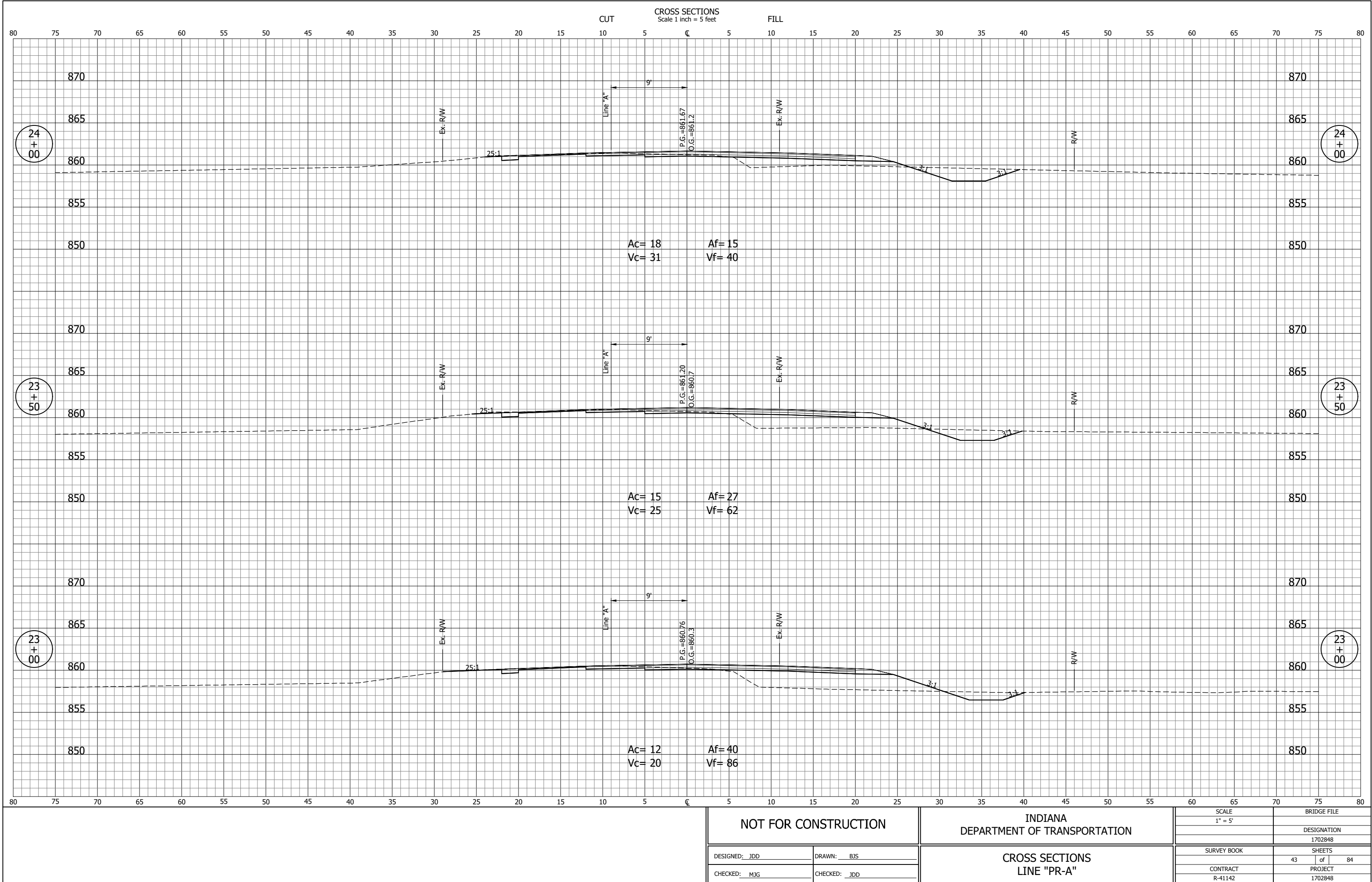


NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 41 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

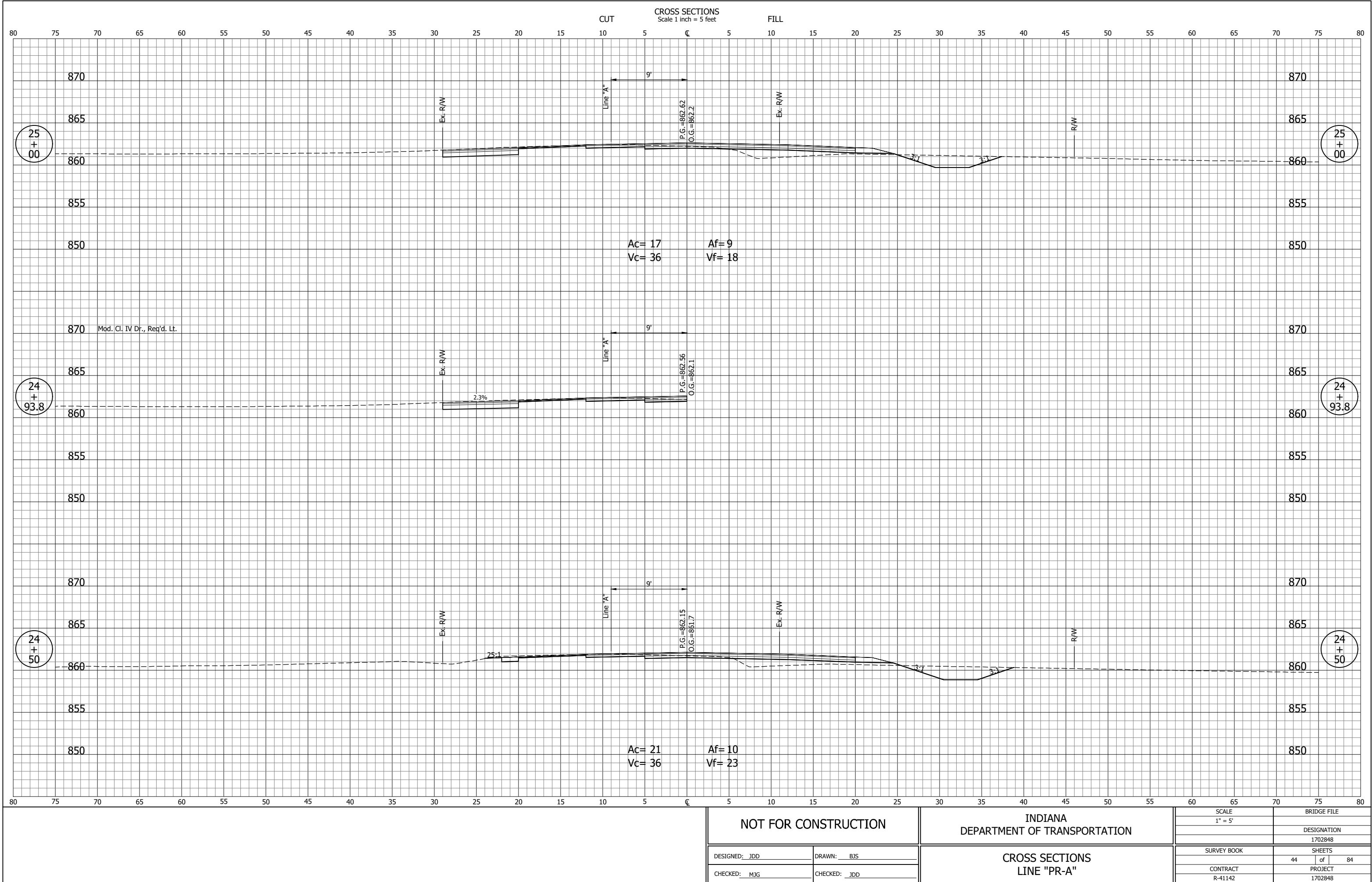
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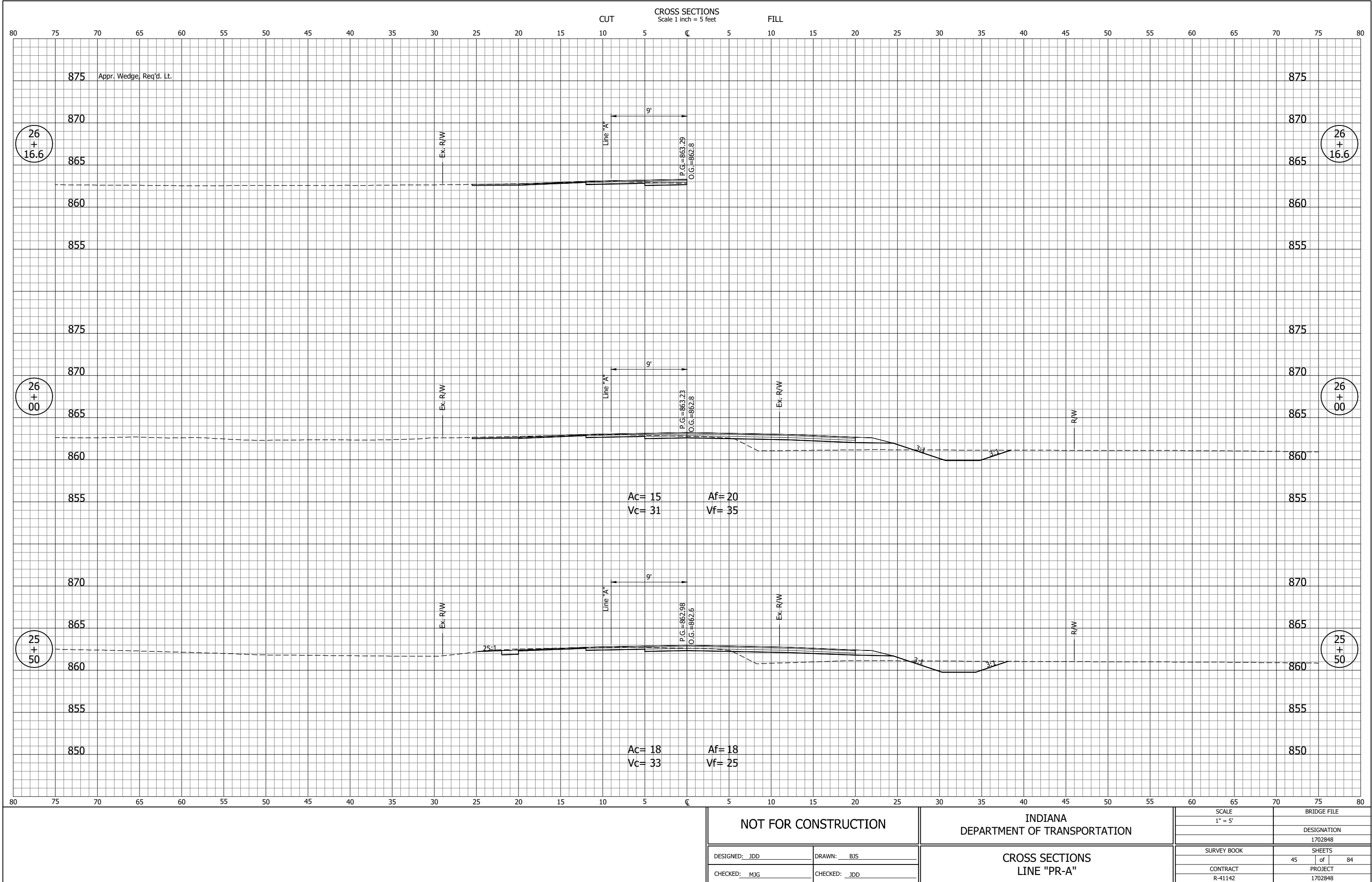
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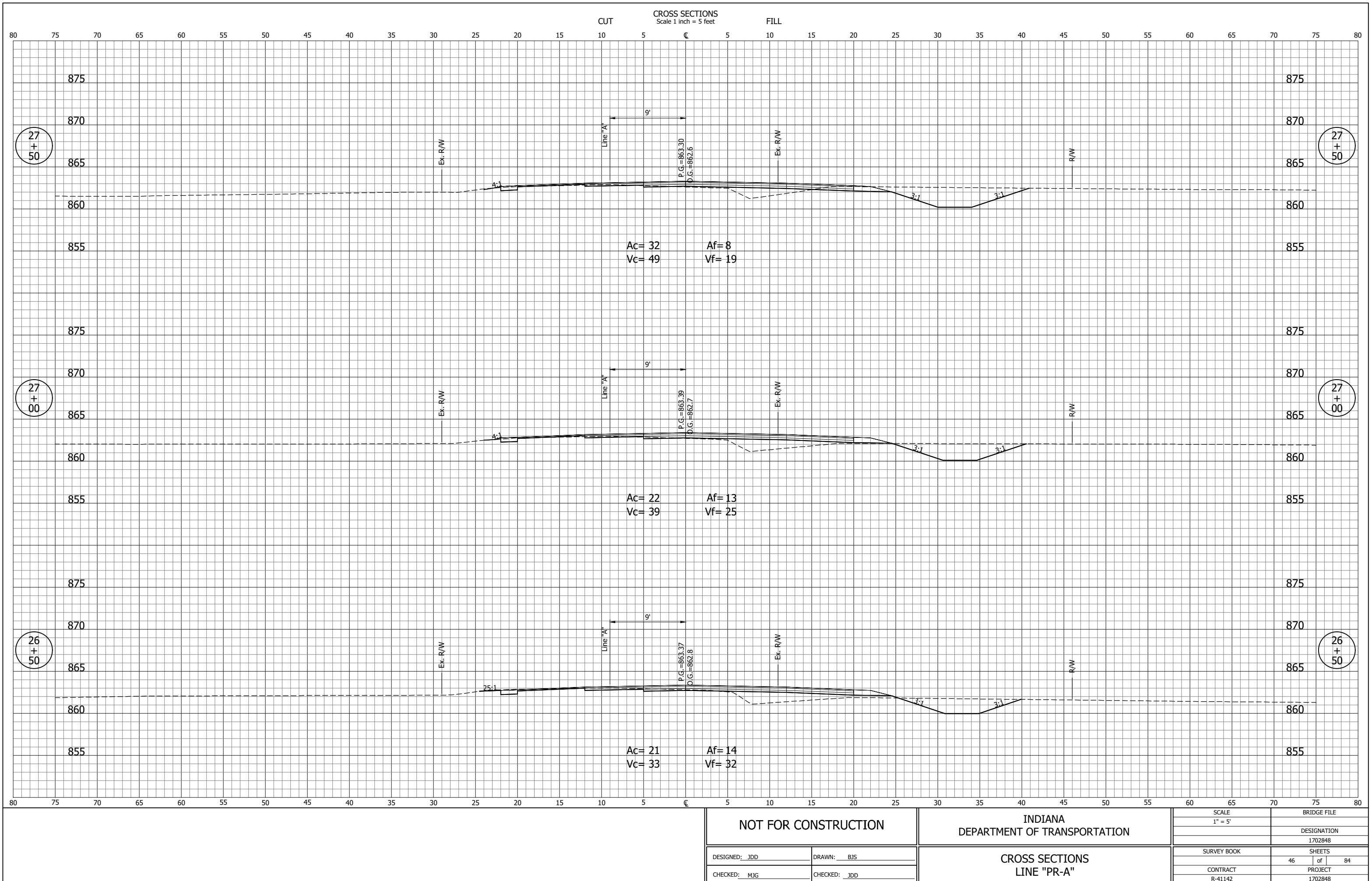
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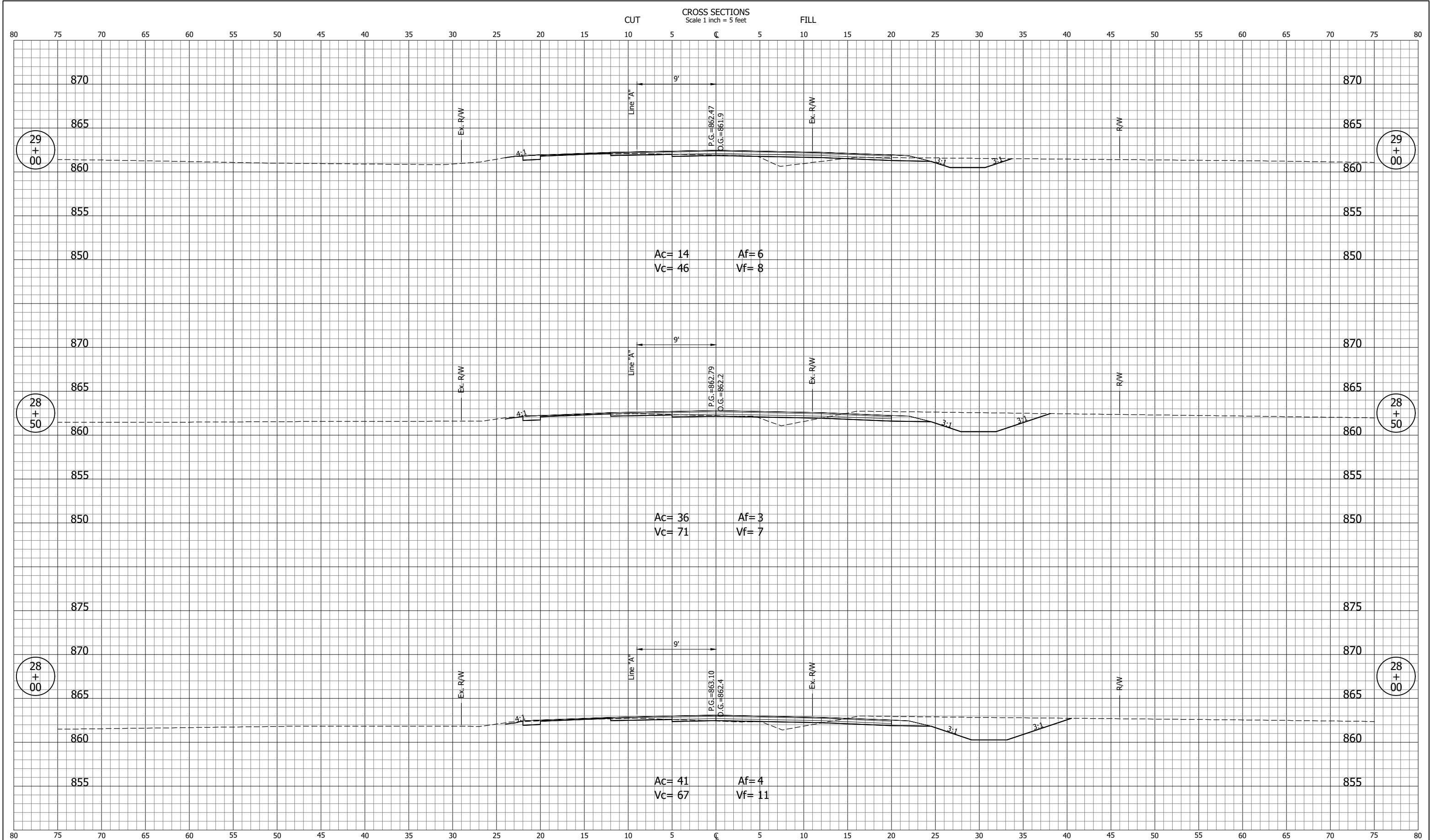
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NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
DESIGNED: JDD		DRAWN: BJS		DESIGNATION 1702848	
CHECKED: MJG		CHECKED: JDD		SURVEY BOOK	SHEETS 45 of 84
				CONTRACT R-41142	PROJECT 1702848

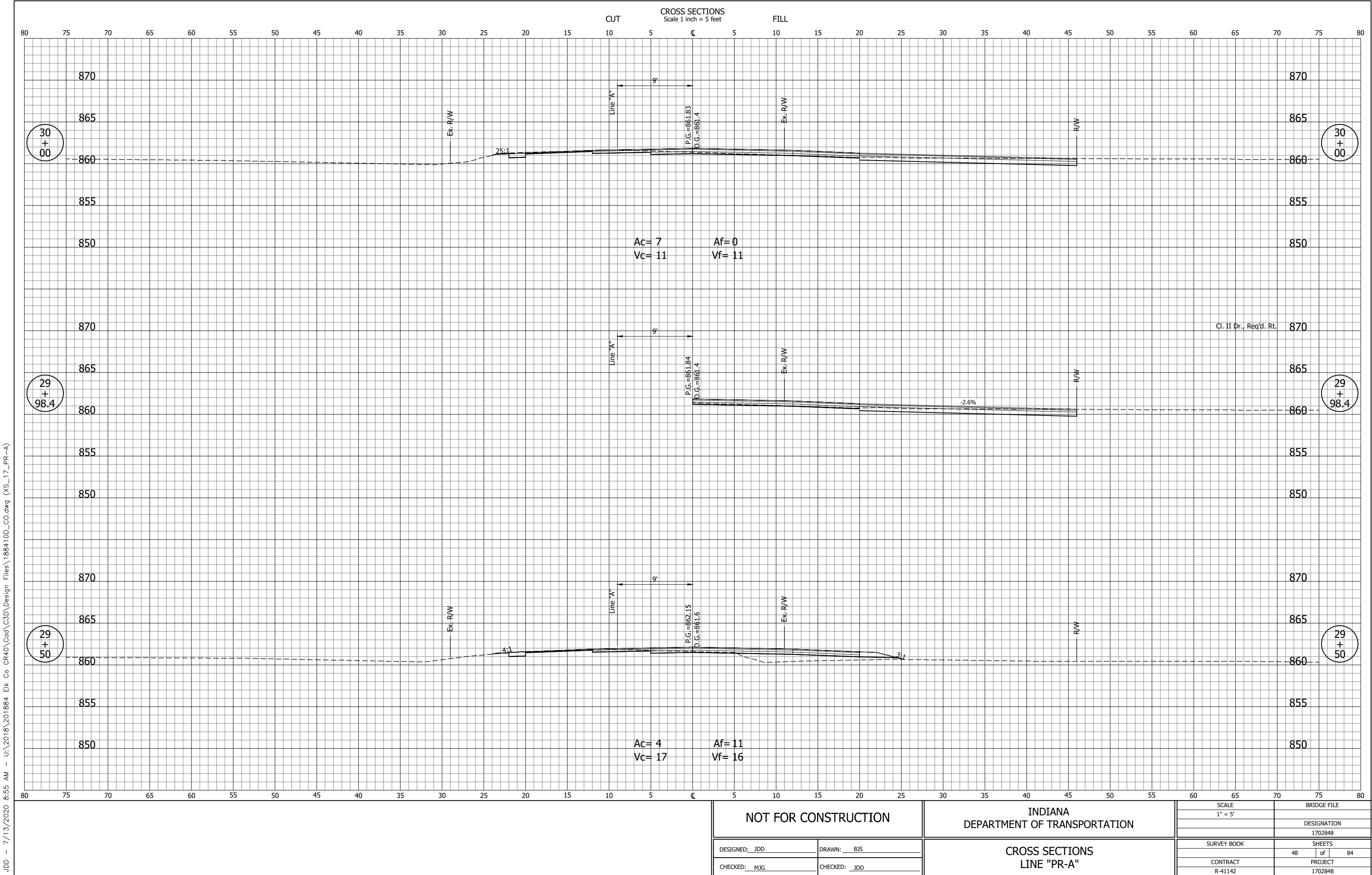
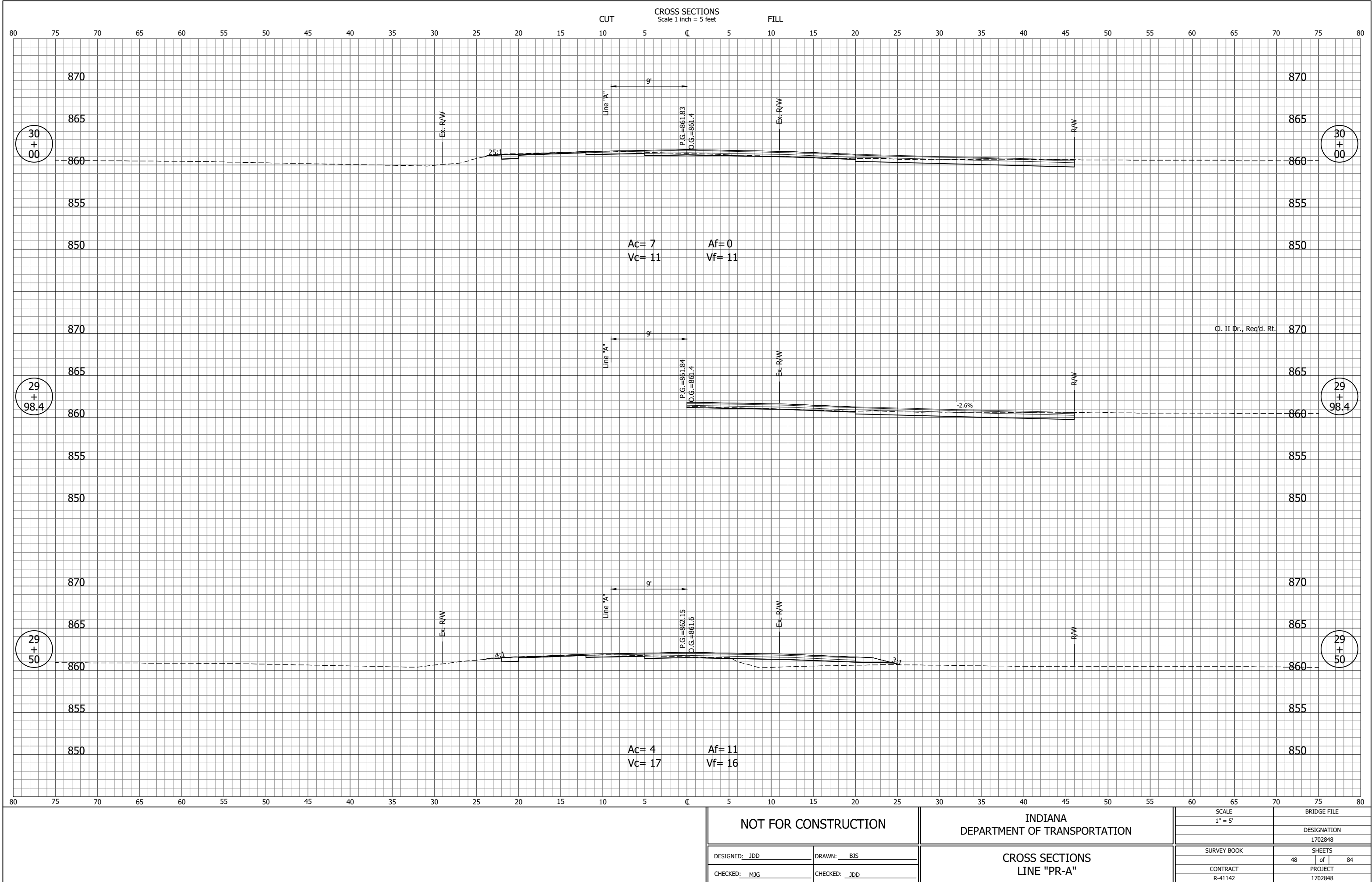


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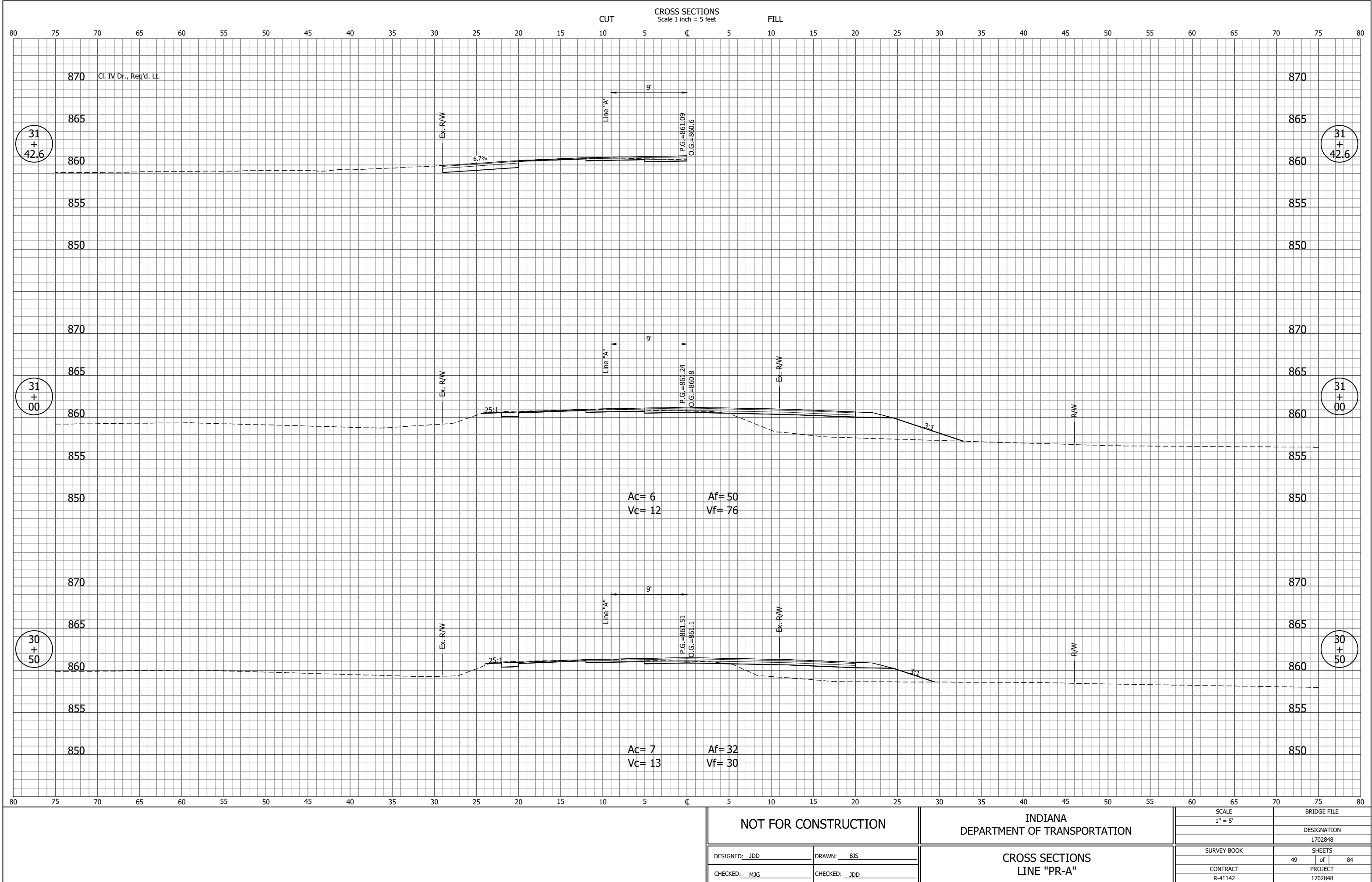


NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 47 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

JDD -- 7/13/2020 8:55 AM -- U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_17_PR-A)



JDD - 7/13/2020 8:55 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_18_PR-A)



NOT FOR CONSTRUCTION

INDIANA
DEPARTMENT OF TRANSPORTATION

SCALE
1" = 5'

BRIDGE FILE

DESIGNATION

1702848

SURVEY BOOK

SHEETS

49

of

84

CONTRACT

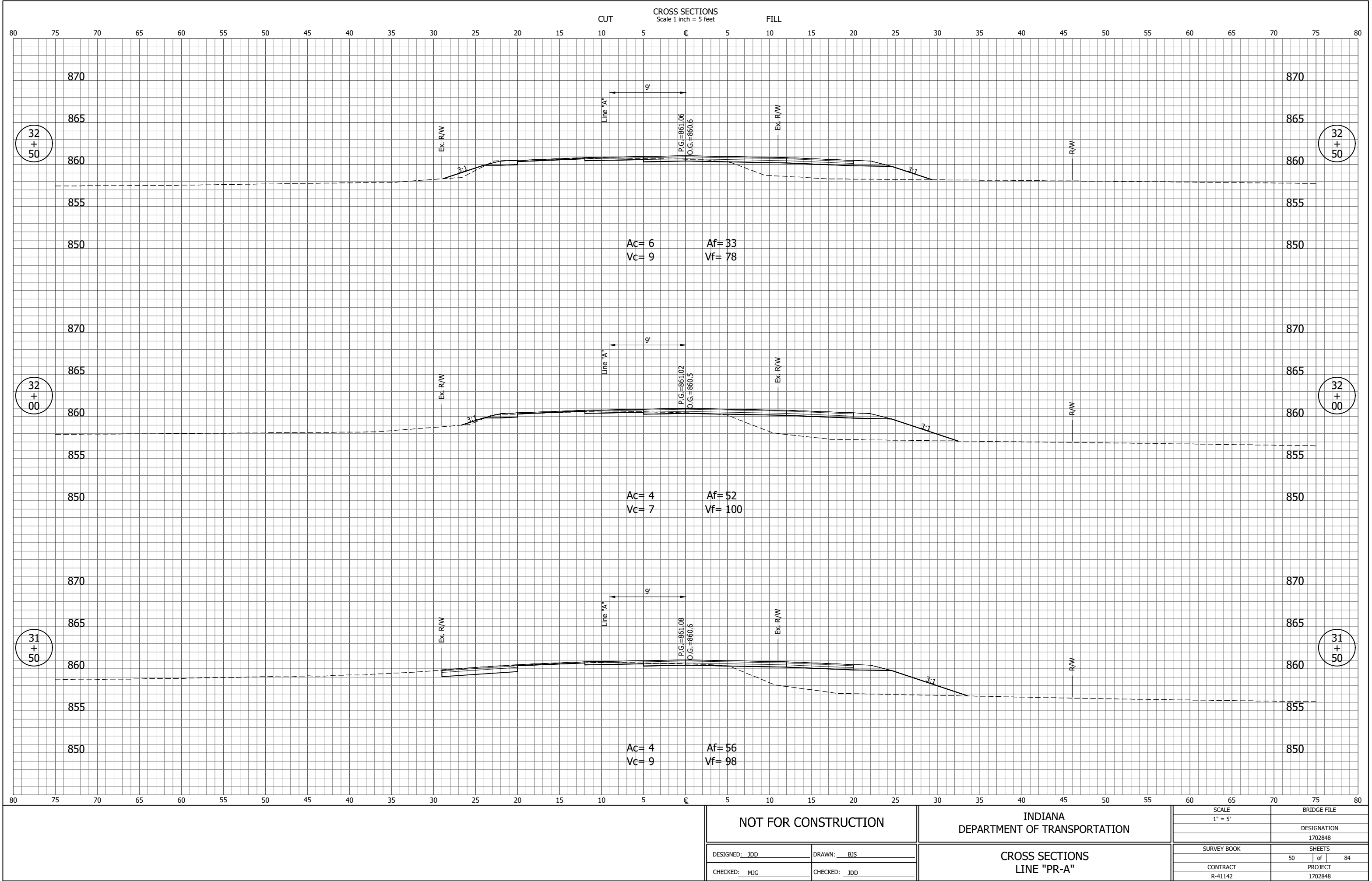
R-41142

PROJECT

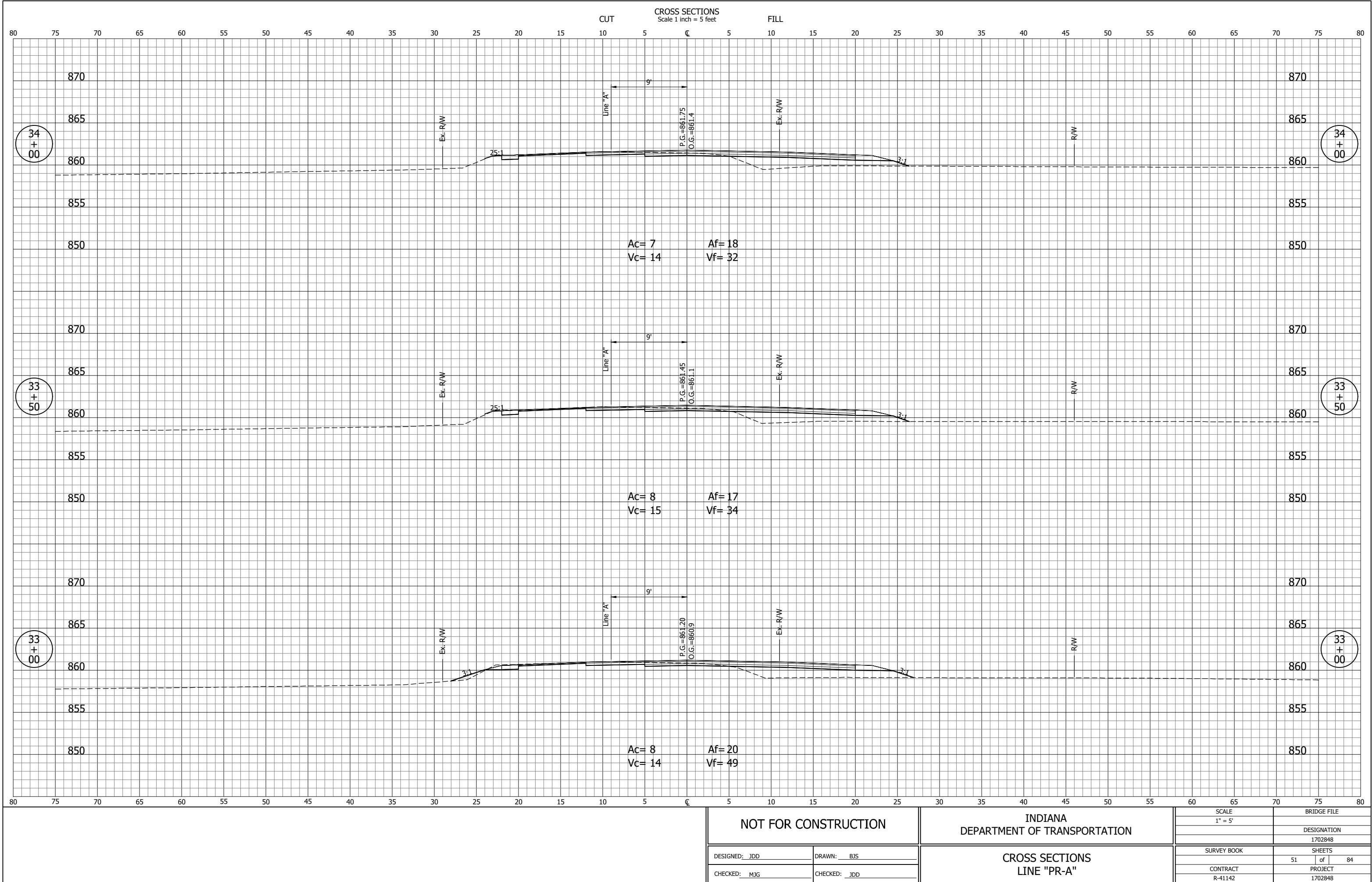
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CROSS SECTIONS
LINE "PR-A"

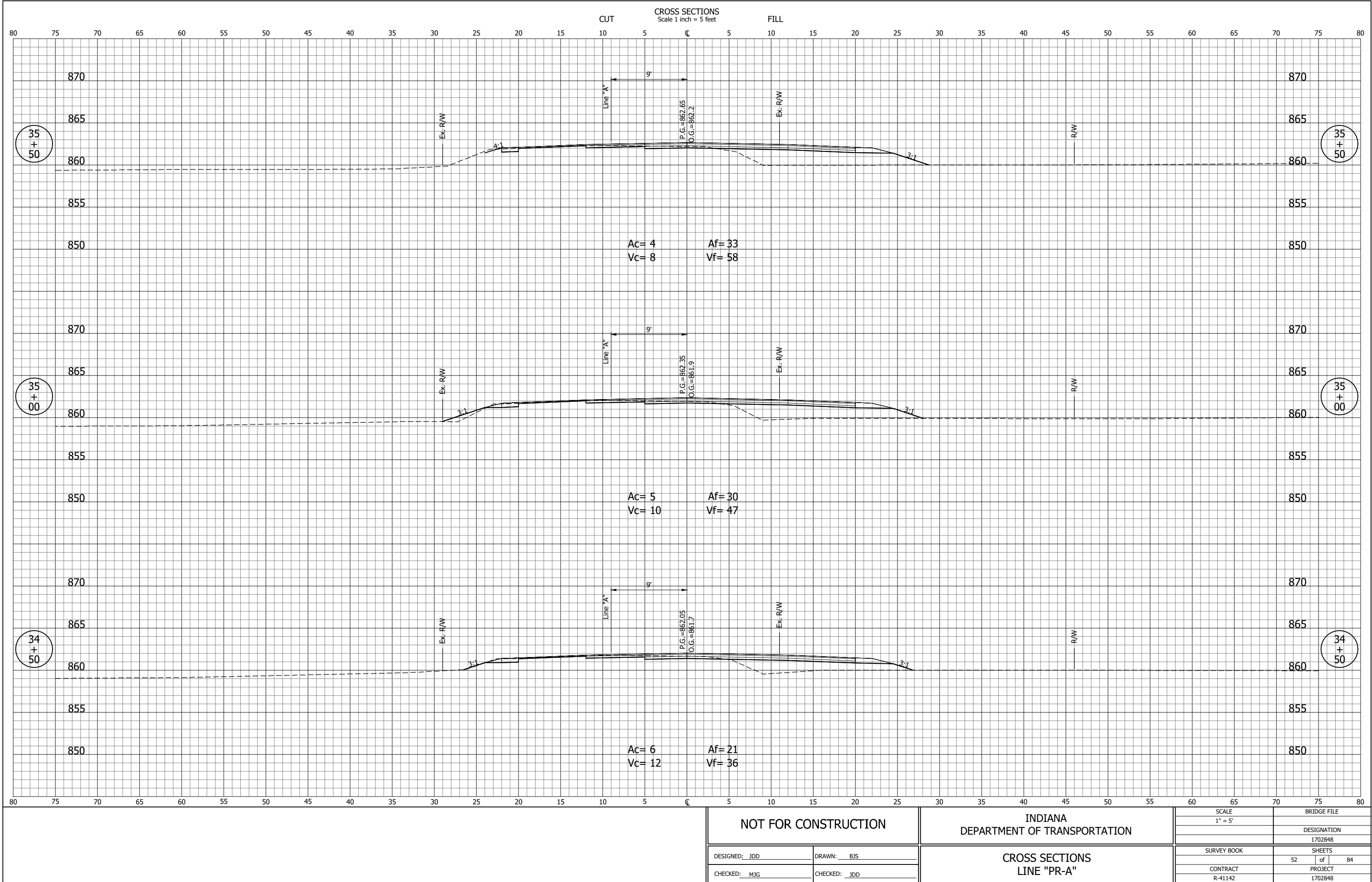
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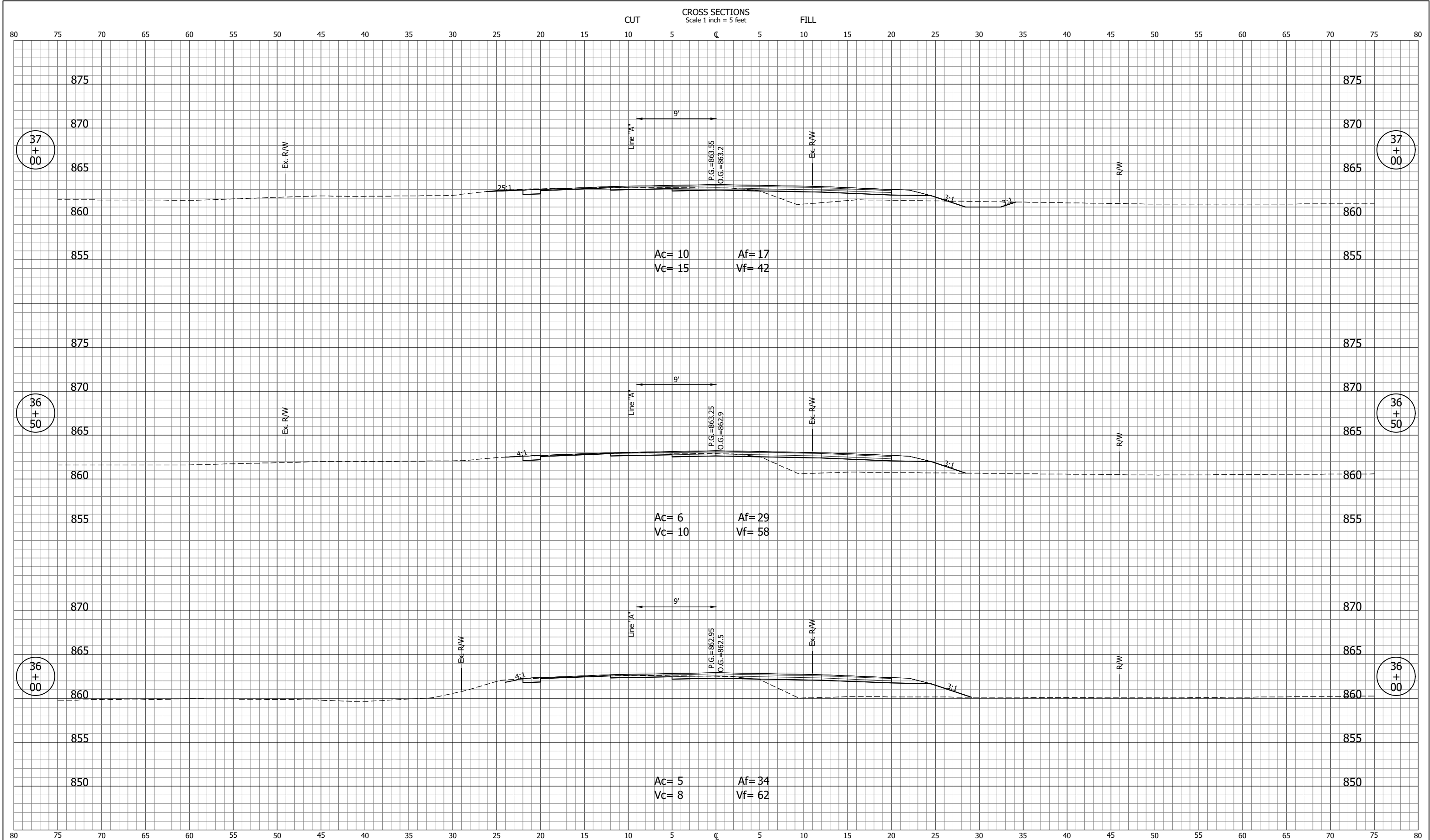
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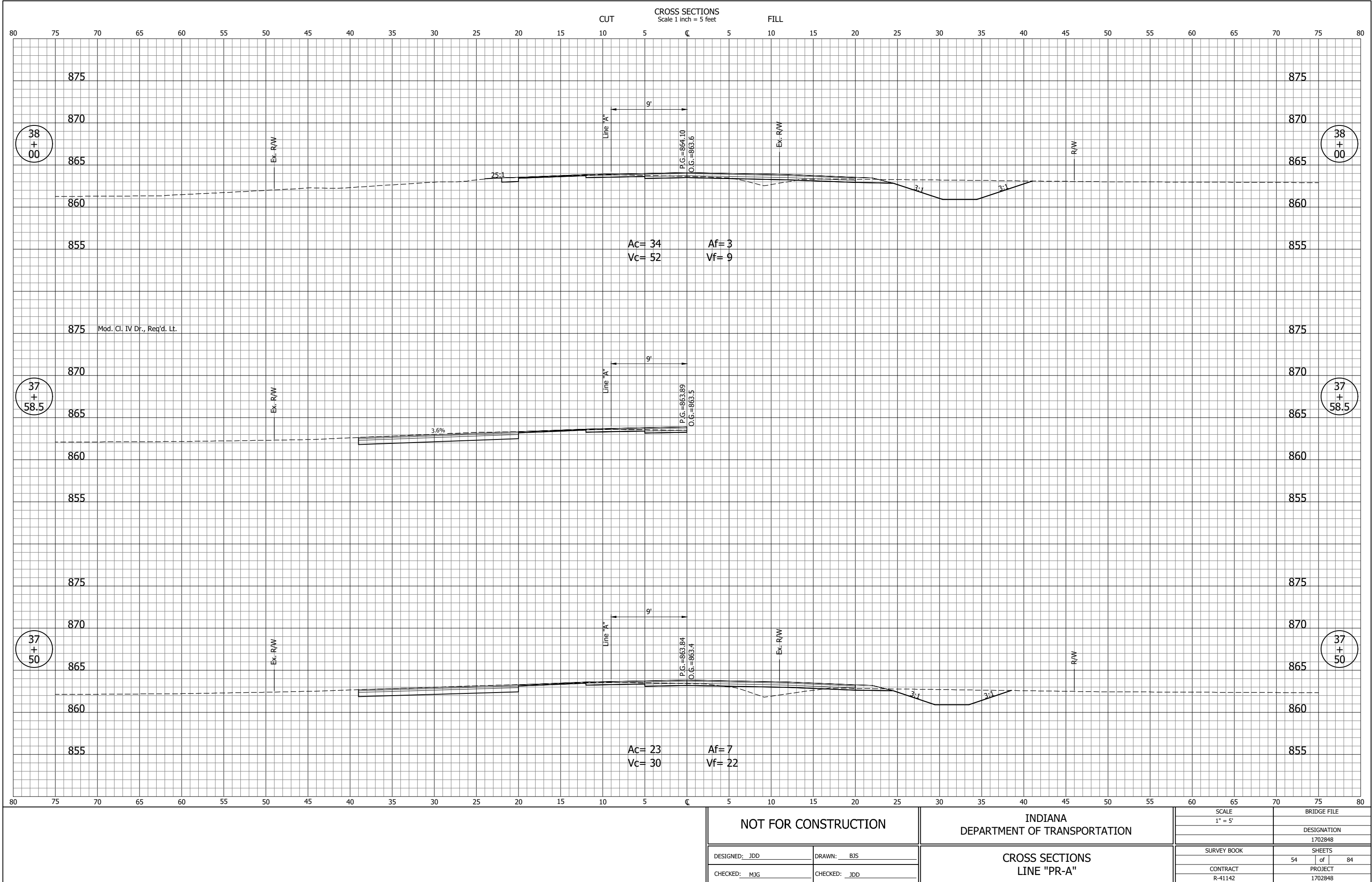


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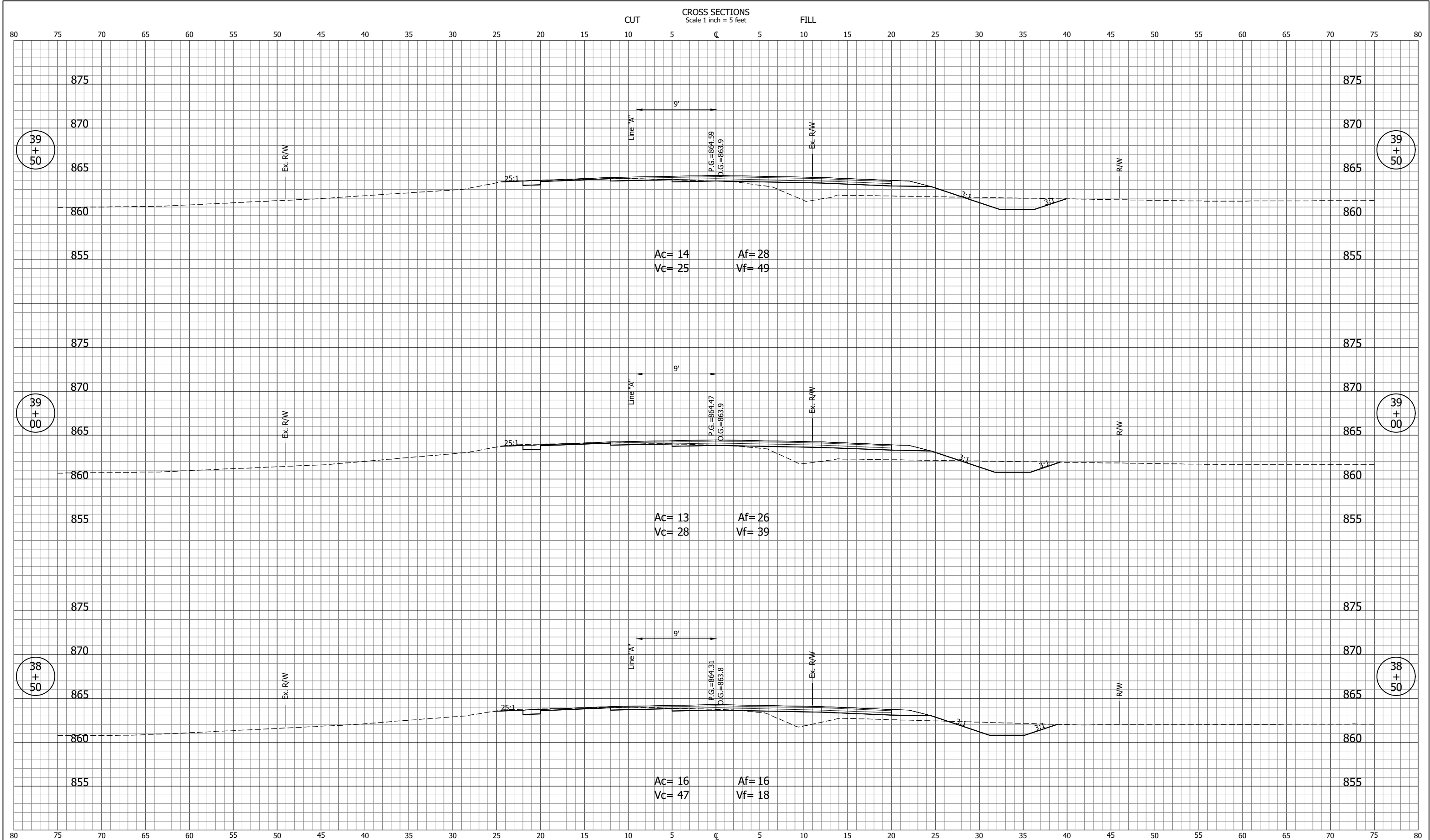


NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 53 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

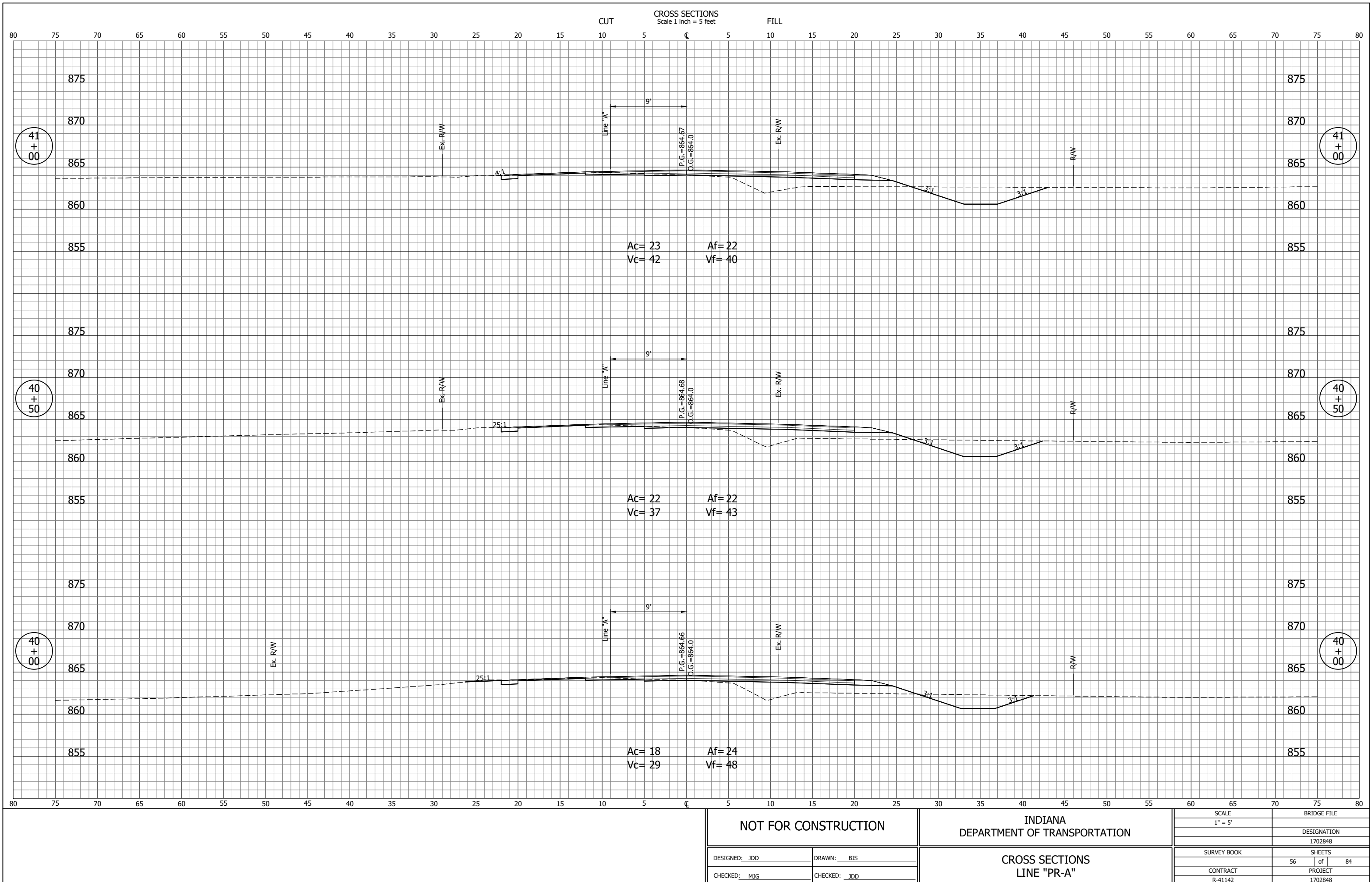
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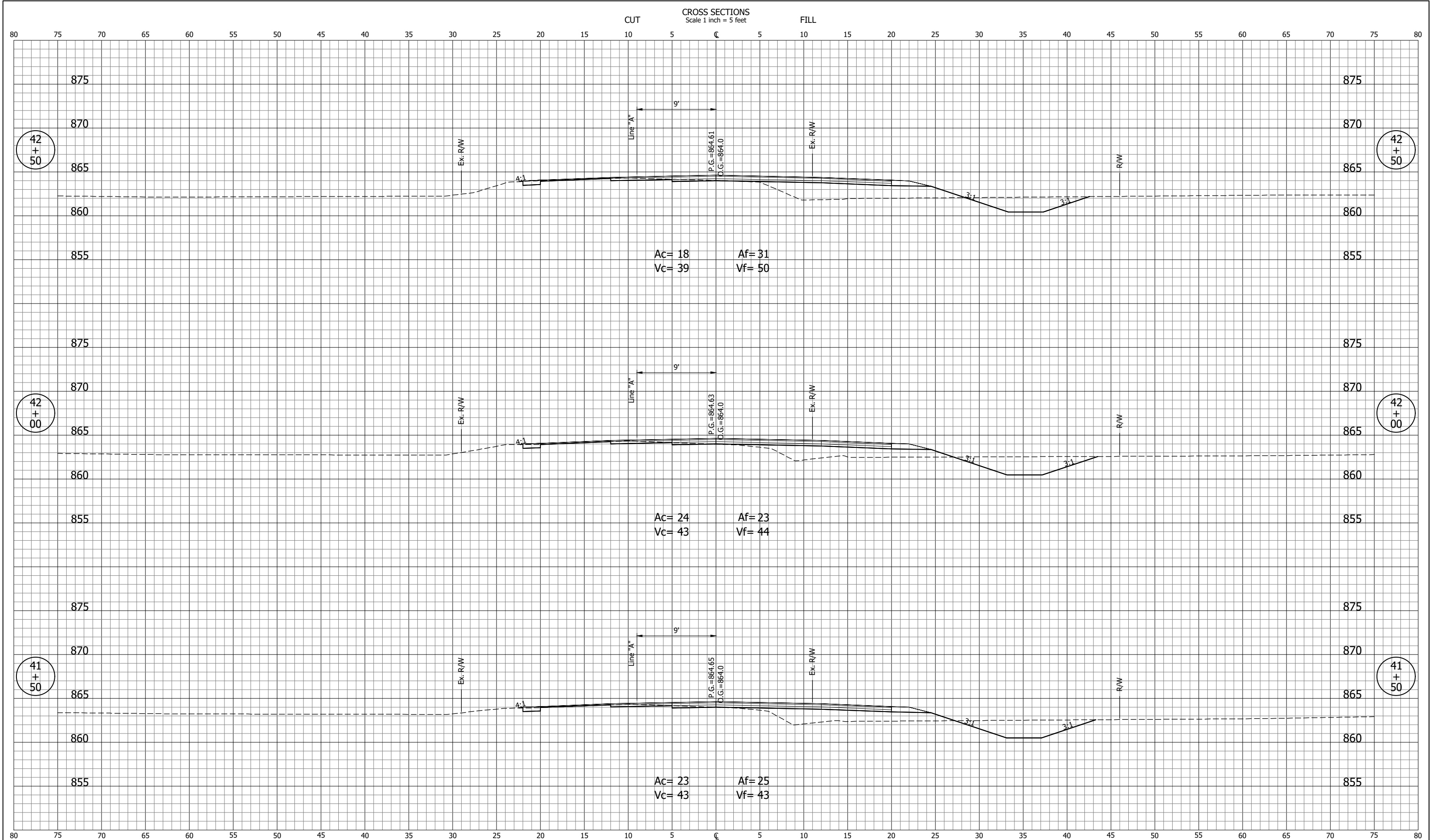
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NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 55 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

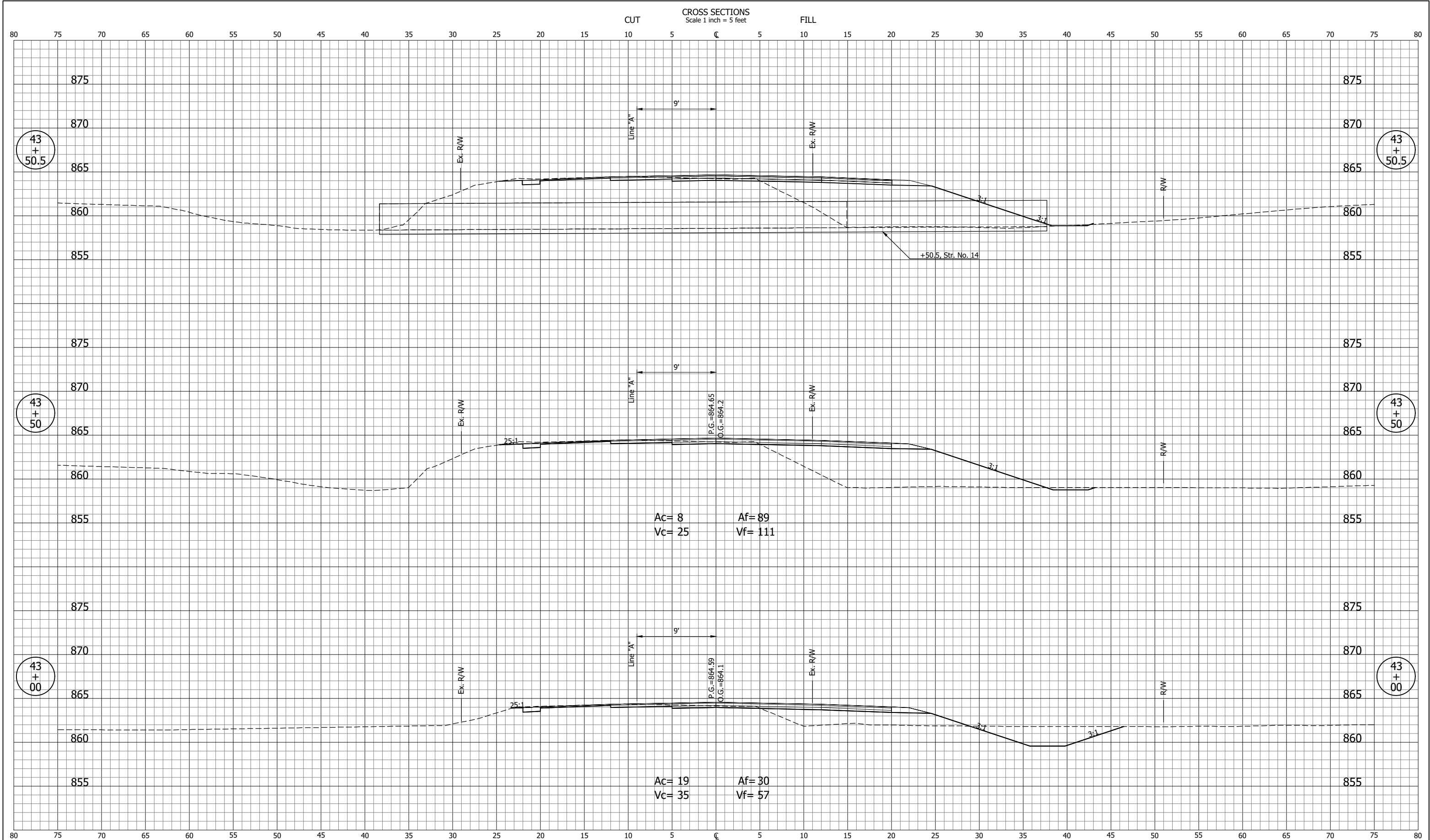


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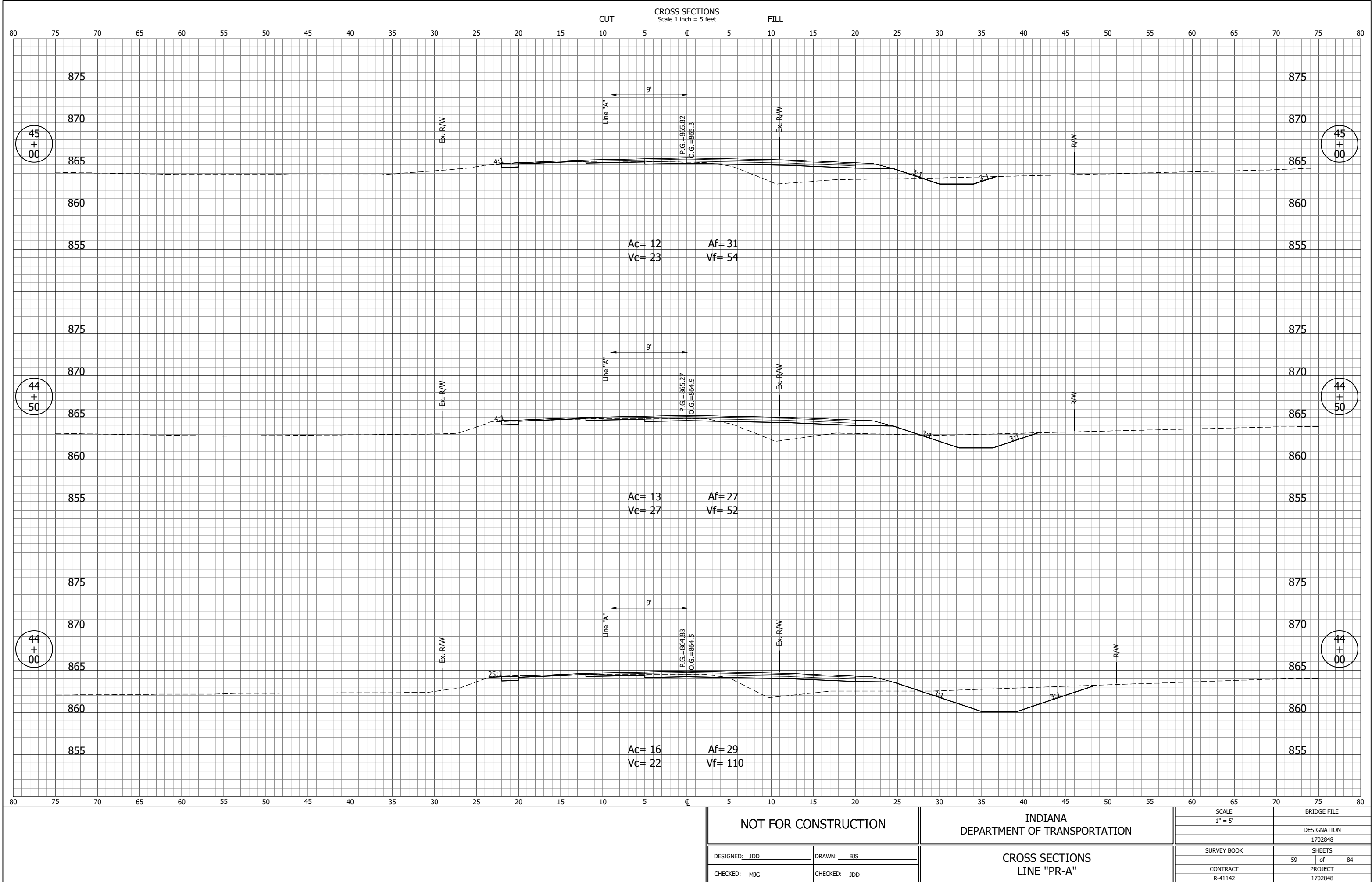
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		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
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CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

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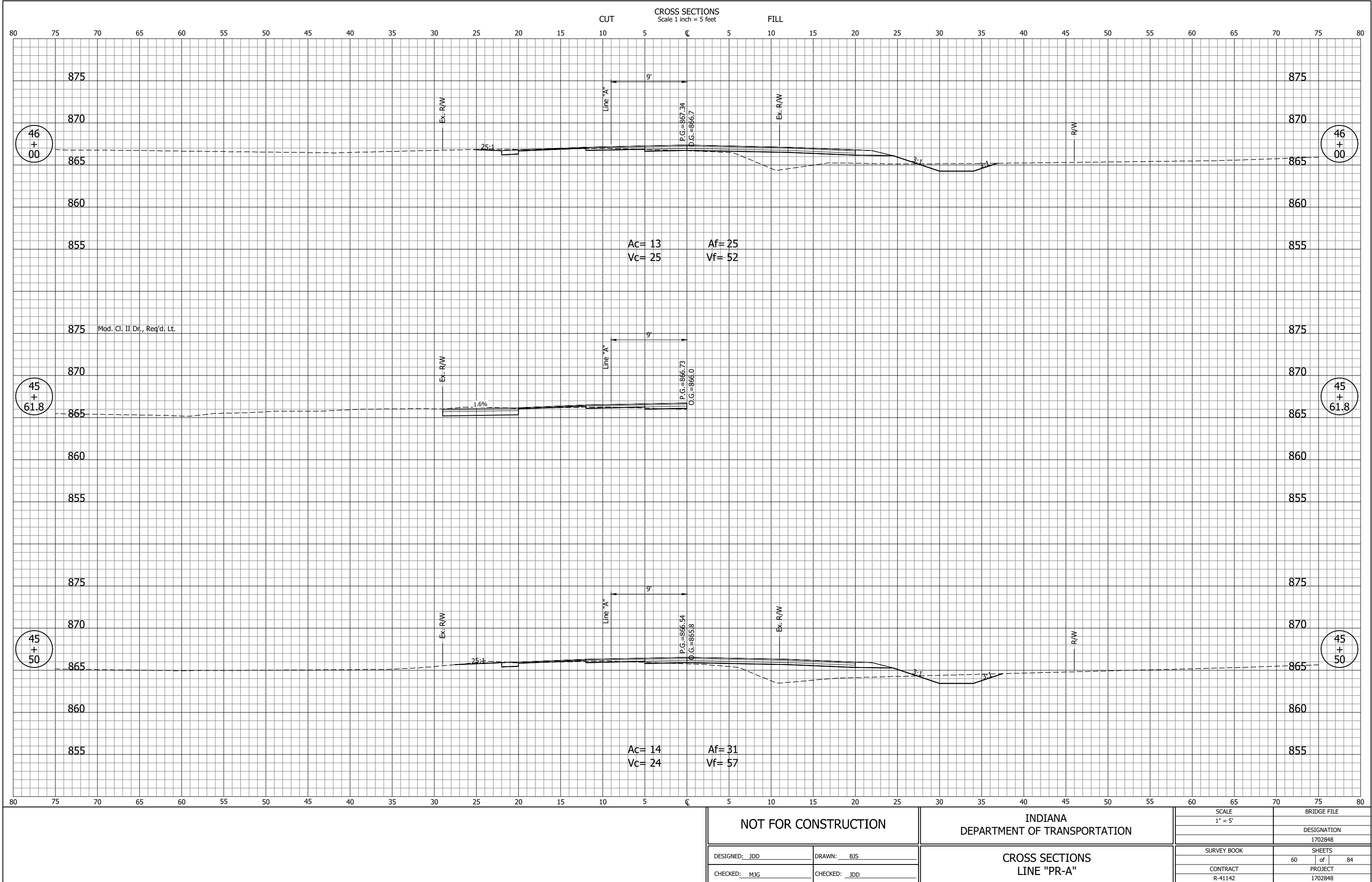


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			DESIGNATION 1702848		SHEETS 58 of 84	
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK		PROJECT	
CHECKED: MJG	CHECKED: JDD		CONTRACT R-41142		1702848	

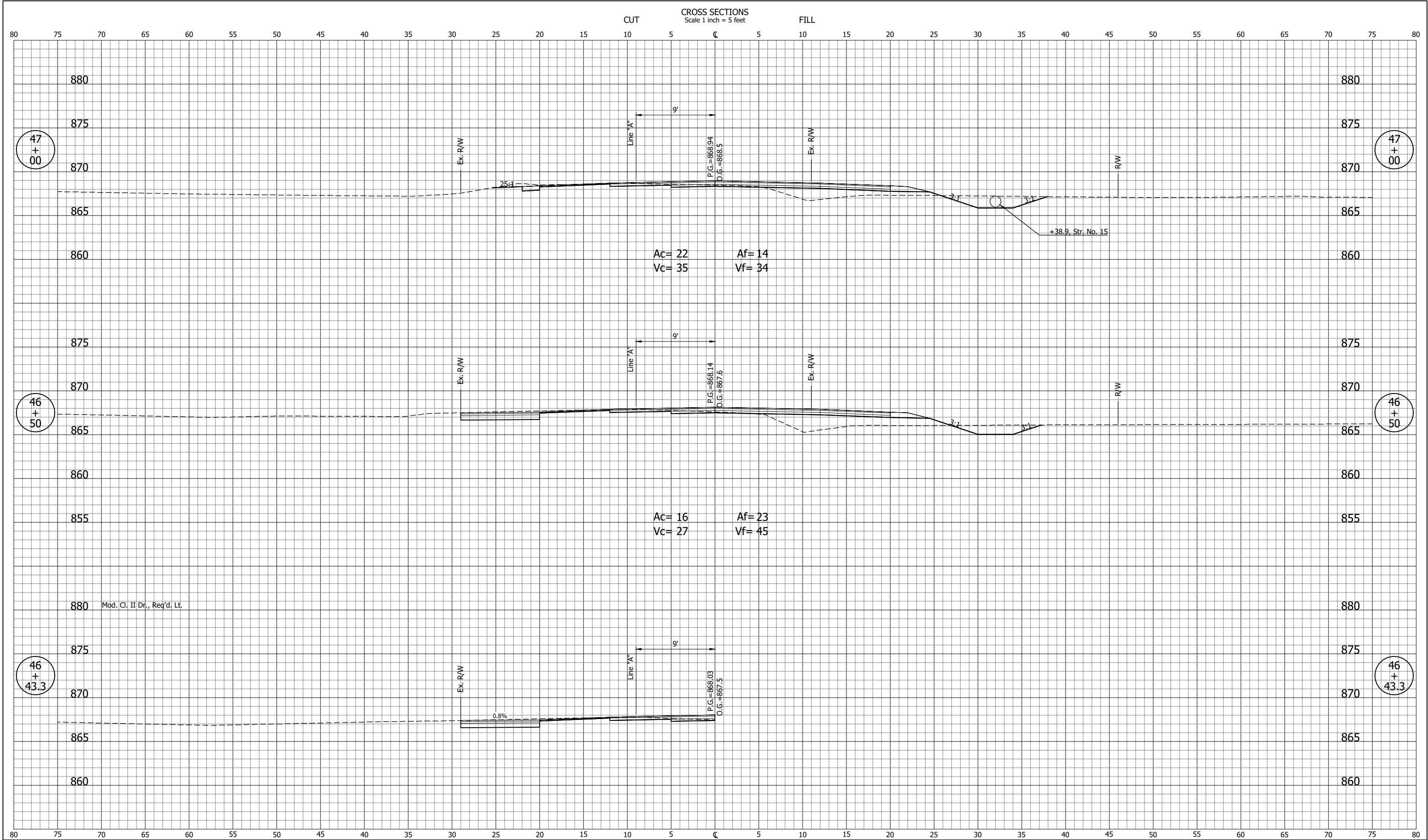
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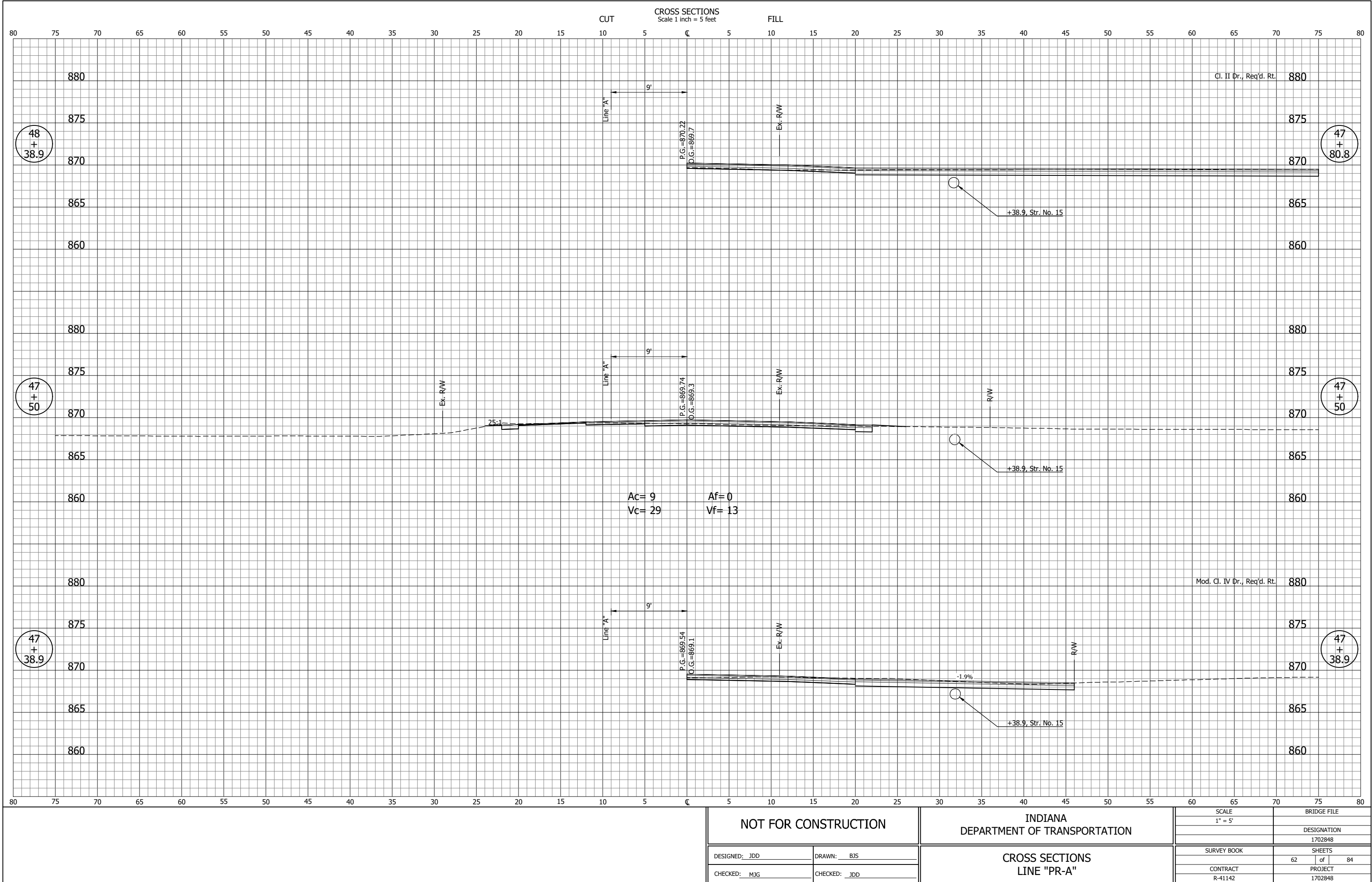


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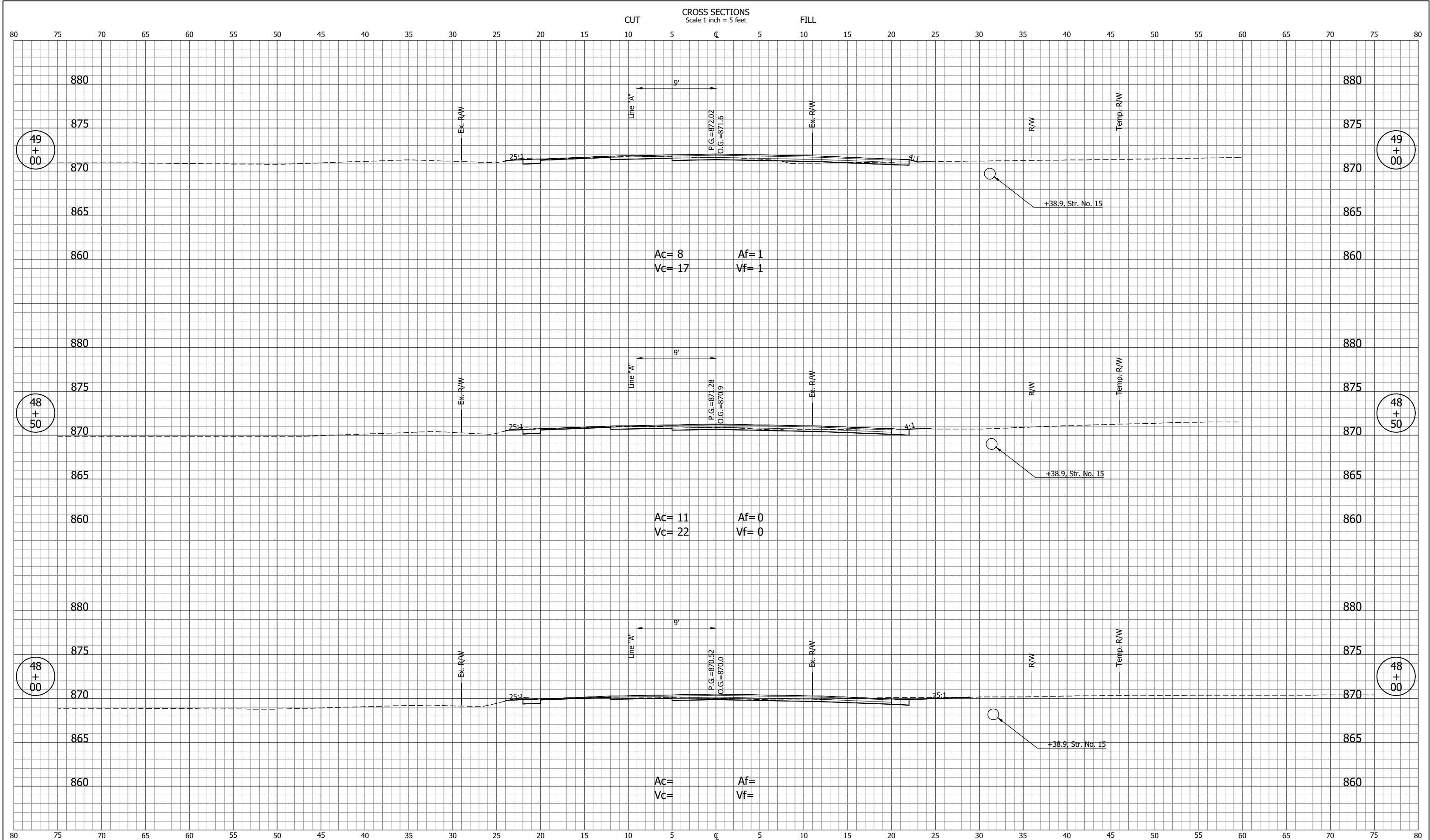


NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1" = 5'	BRIDGE FILE
				DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK	SHEETS 61 of 84
CHECKED: MJG	CHECKED: JDD		CONTRACT R-41142	PROJECT 1702848

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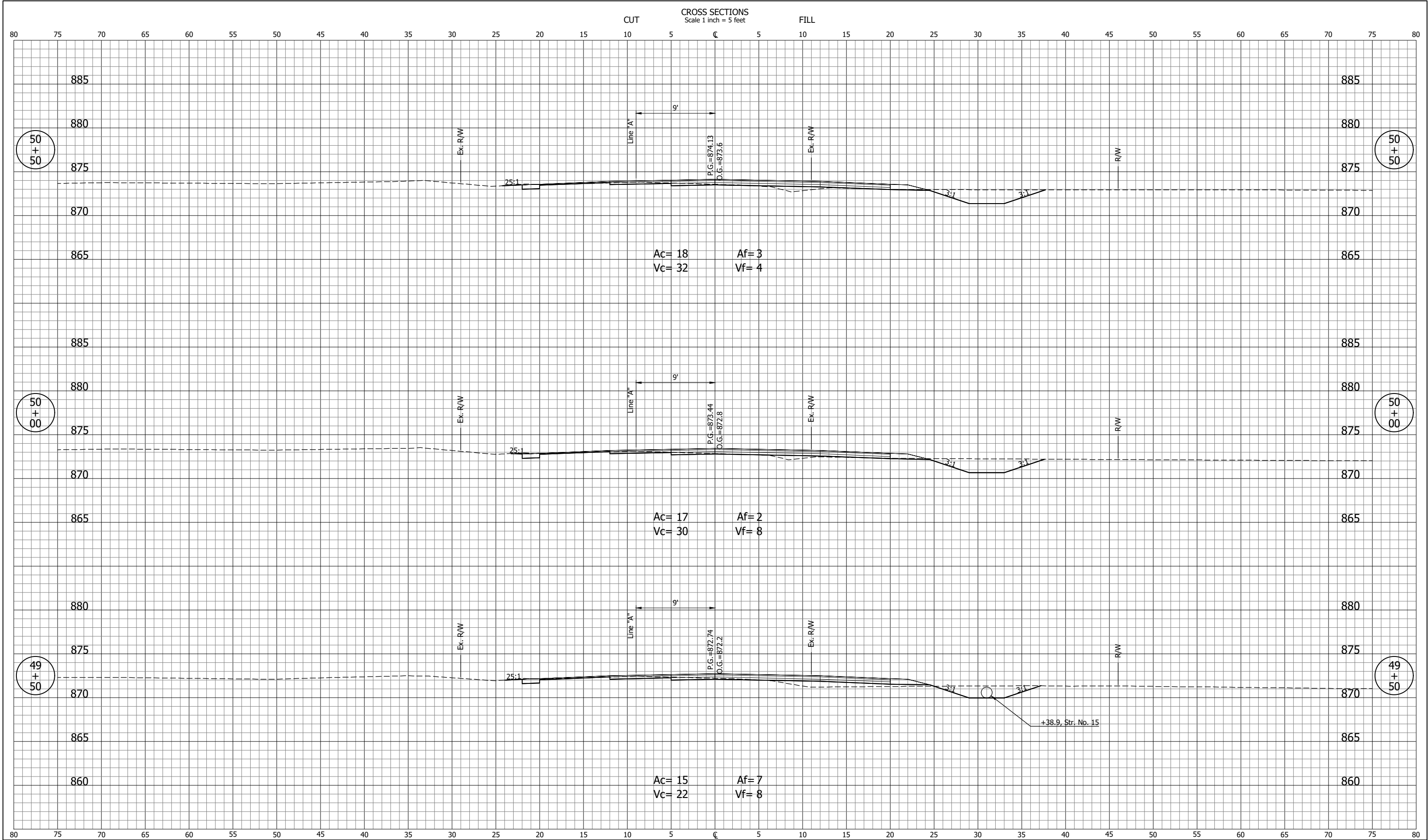


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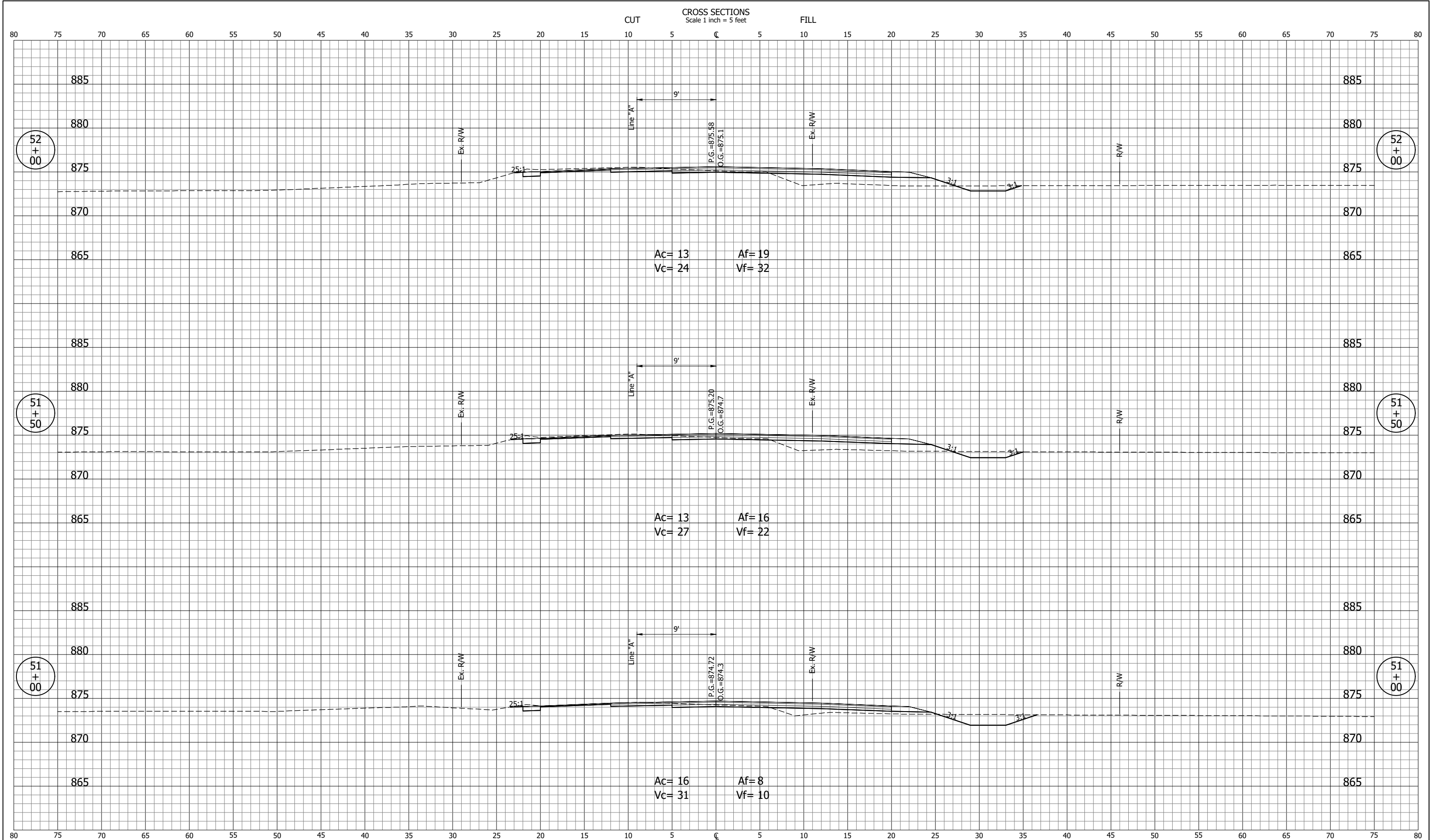
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					DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"		SURVEY BOOK	SHEETS 63 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

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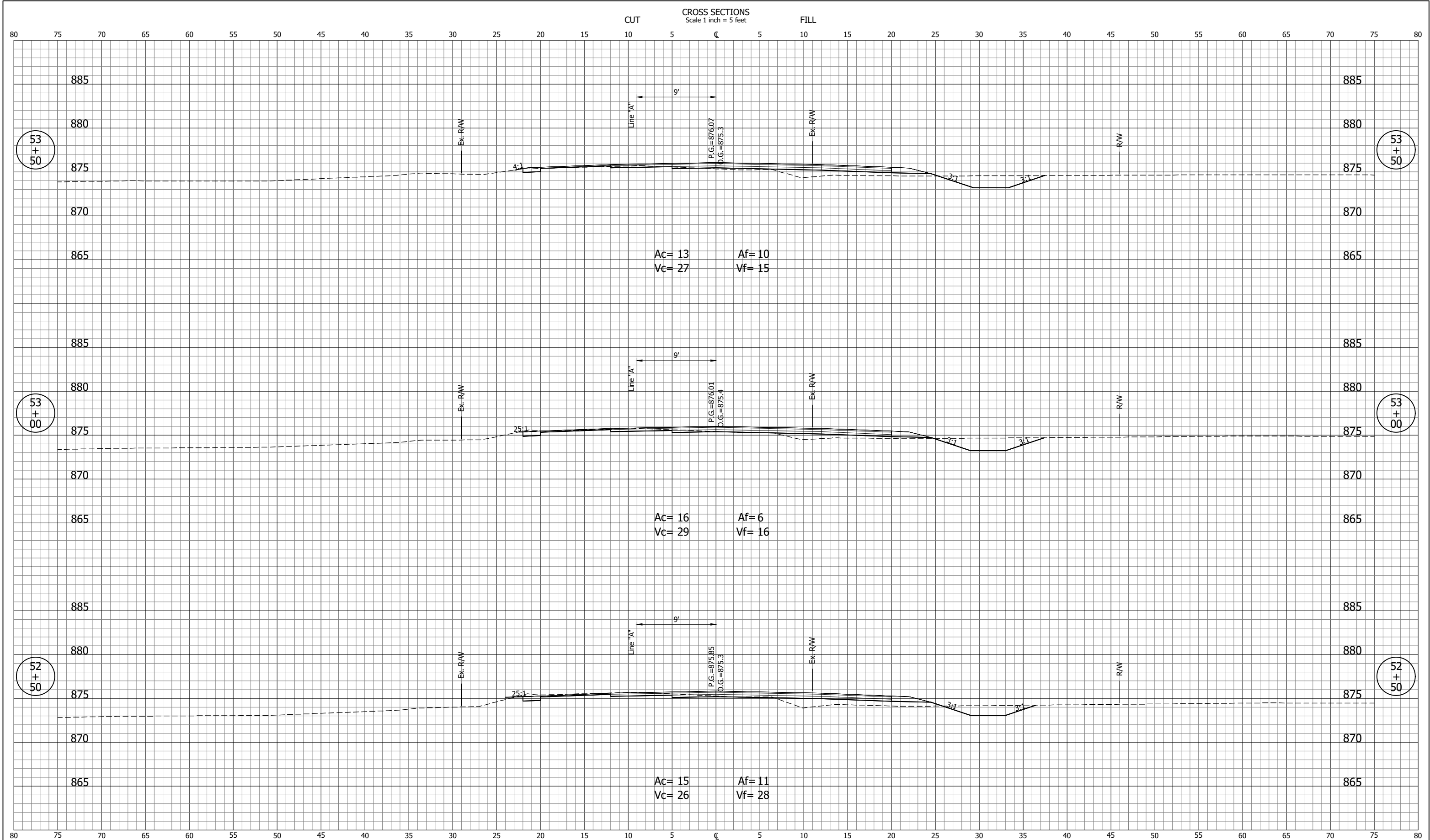
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					DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"		SURVEY BOOK	SHEETS 64 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

JDD - 7/13/2020 8:56 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_34_PR-A)



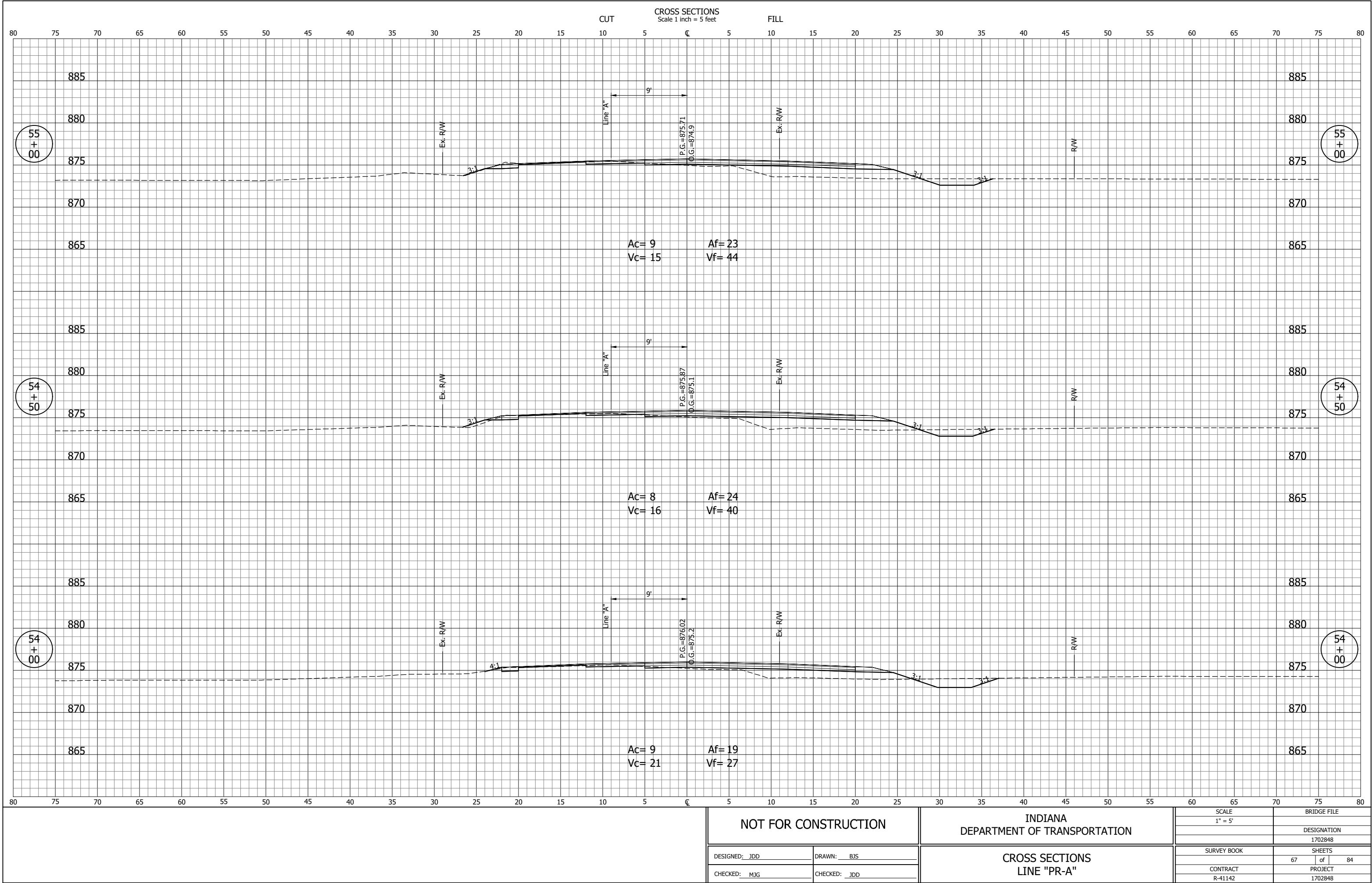
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		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 65 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

JDD - 7/13/2020 8:57 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_35_PR-A)



NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 1" = 5'	BRIDGE FILE
				DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK	SHEETS 66 of 84
CHECKED: MJG	CHECKED: JDD		CONTRACT R-41142	PROJECT 1702848

JDD -- 7/13/2020 8:57 AM -- U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_36_PR-A)



Line "A"

9'

P.G.=875.71
O.G.=874.9

Ex. R/W

3:1

Ac= 9
Vc= 15

Af= 23
Vf= 44

R/W

Line "A"

9'

P.G.=875.87
O.G.=875.1

Ex. R/W

3:1

Ac= 8
Vc= 16

Af= 24
Vf= 40

R/W

Line "A"

9'

P.G.=876.02
O.G.=875.2

Ex. R/W

4:1

Ac= 9
Vc= 21

Af= 19
Vf= 27

R/W

NOT FOR CONSTRUCTION

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-A"

SCALE
1" = 5'

BRIDGE FILE

DESIGNATION
1702848

SURVEY BOOK

SHEETS
67 of 84

CONTRACT
R-41142

PROJECT
1702848

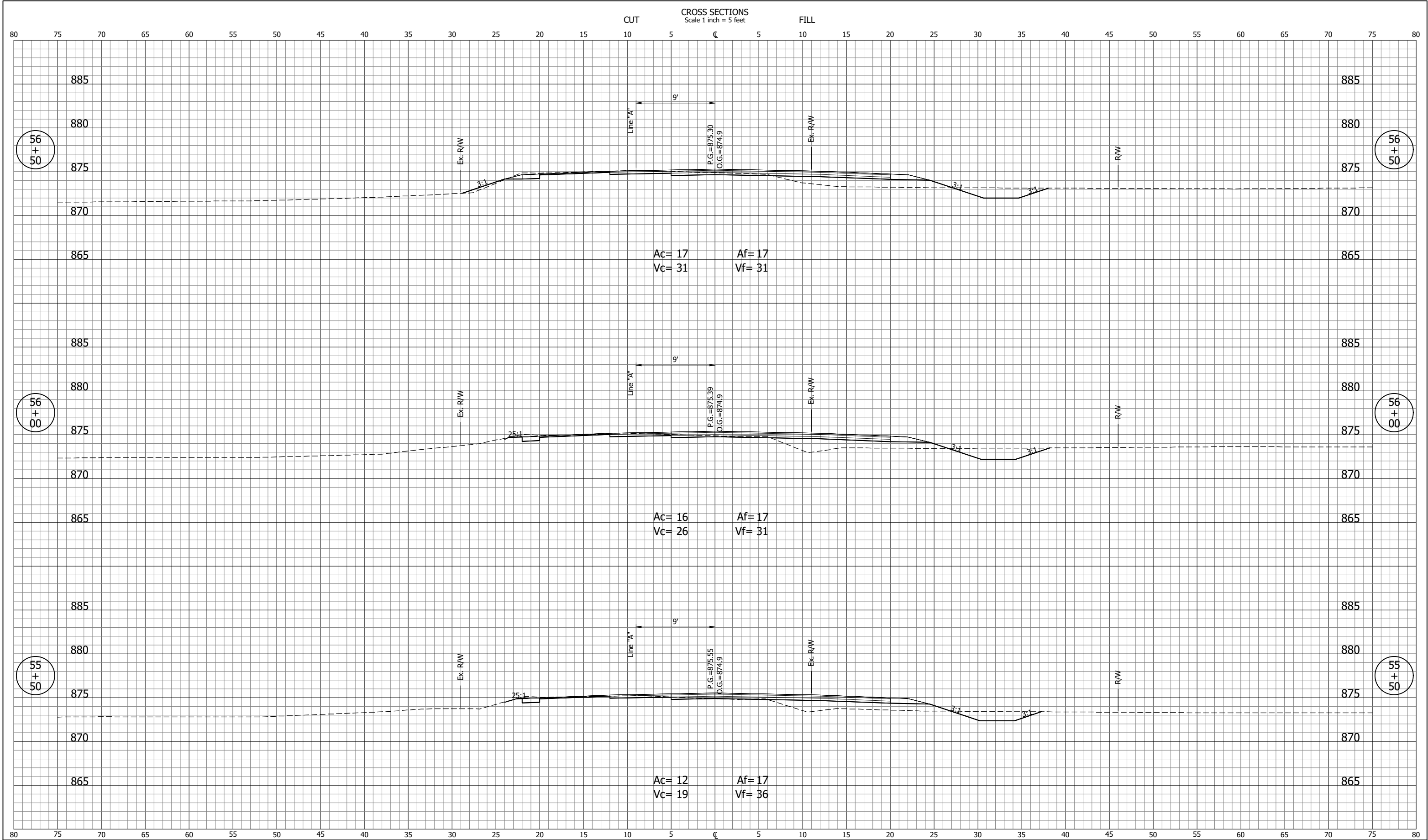
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DRAWN: BJS

CHECKED: MJG

CHECKED: JDD

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NOT FOR CONSTRUCTION

INDIANA
DEPARTMENT OF TRANSPORTATION

SCALE
1" = 5'

BRIDGE FILE

DESIGNATION

1702848

CROSS SECTIONS
LINE "PR-A"

SURVEY BOOK

CONTRACT

R-41142

SHEETS

PROJECT

1702848

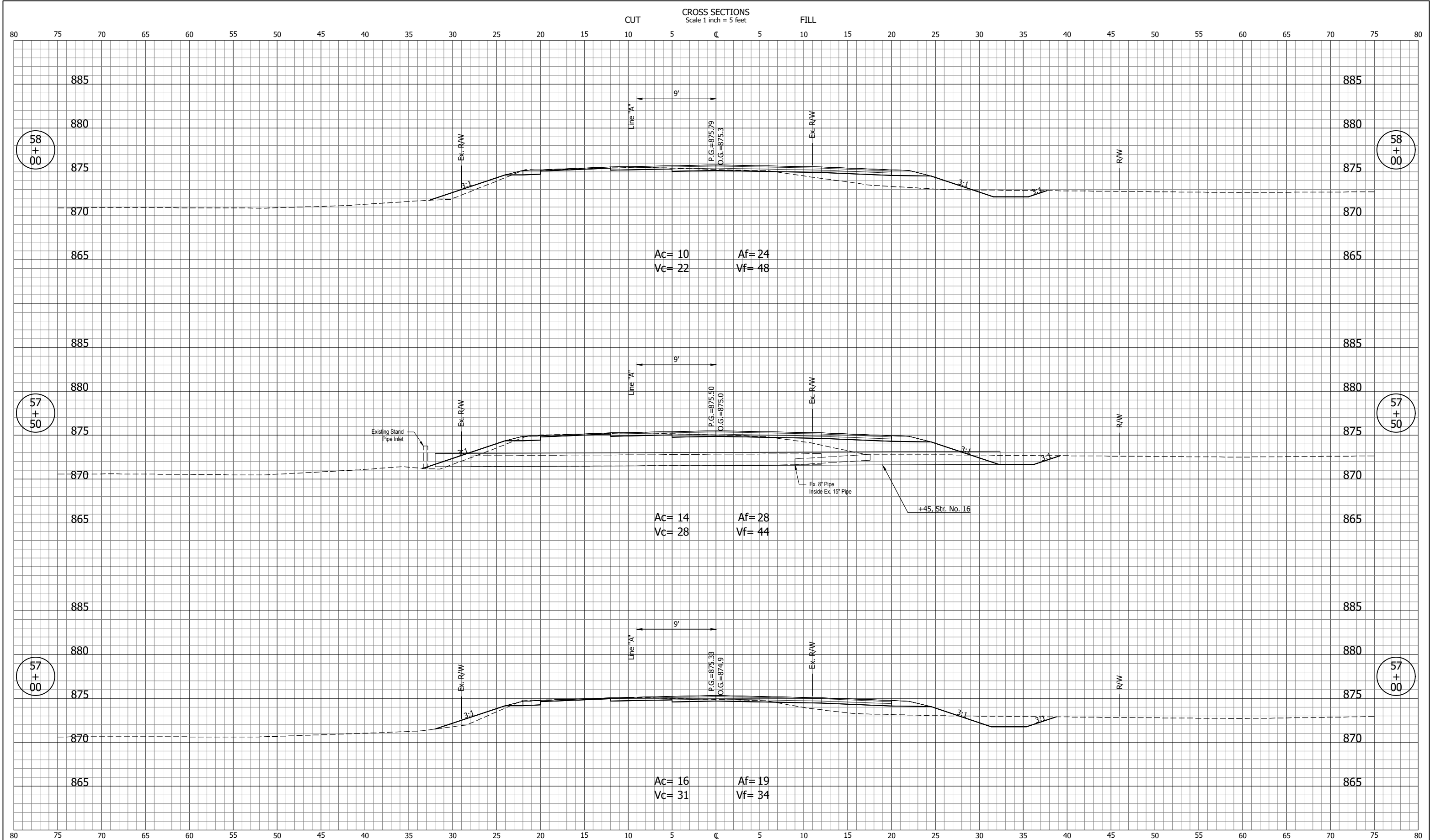
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DRAWN: BJS

CHECKED: MJG

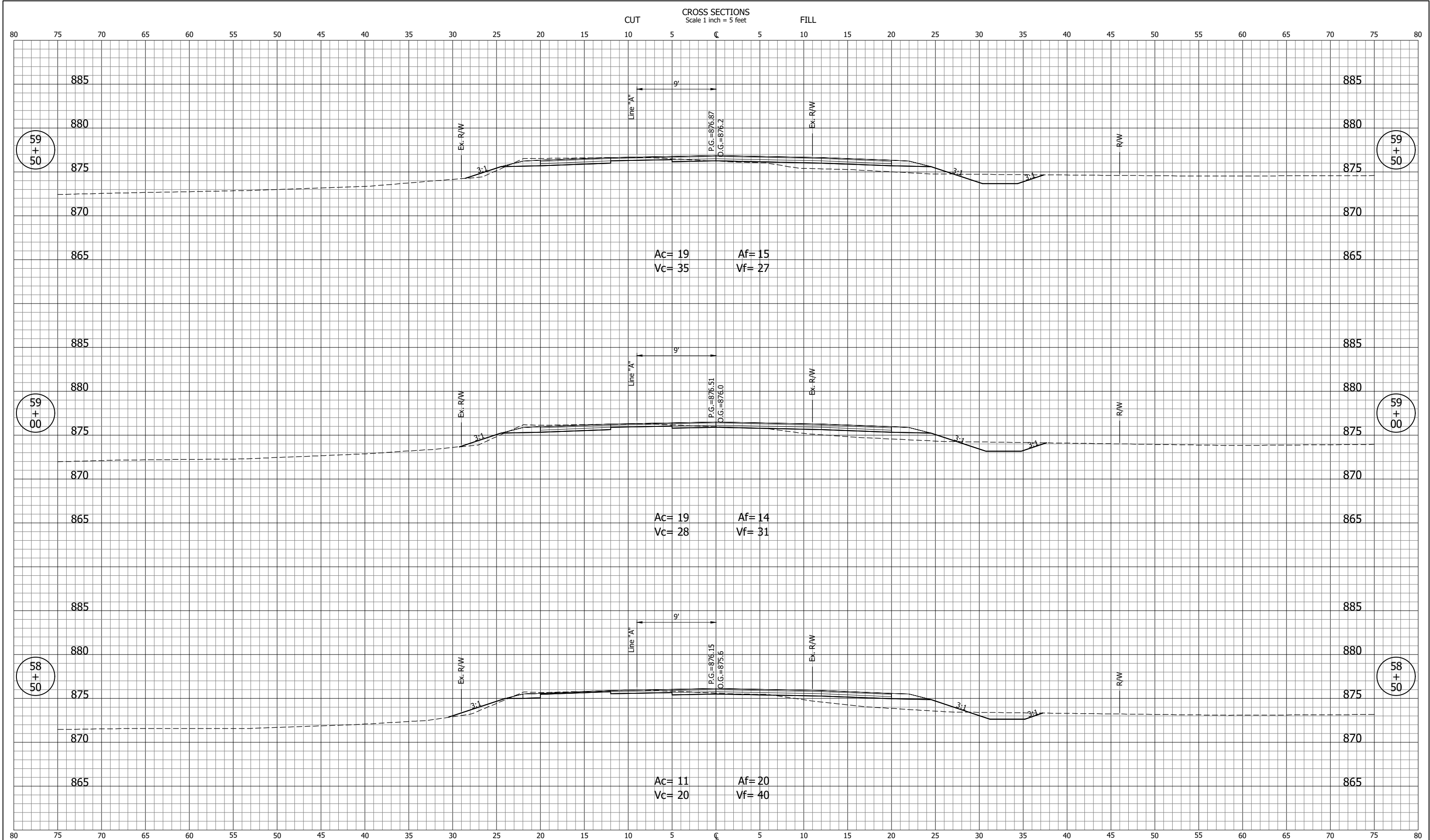
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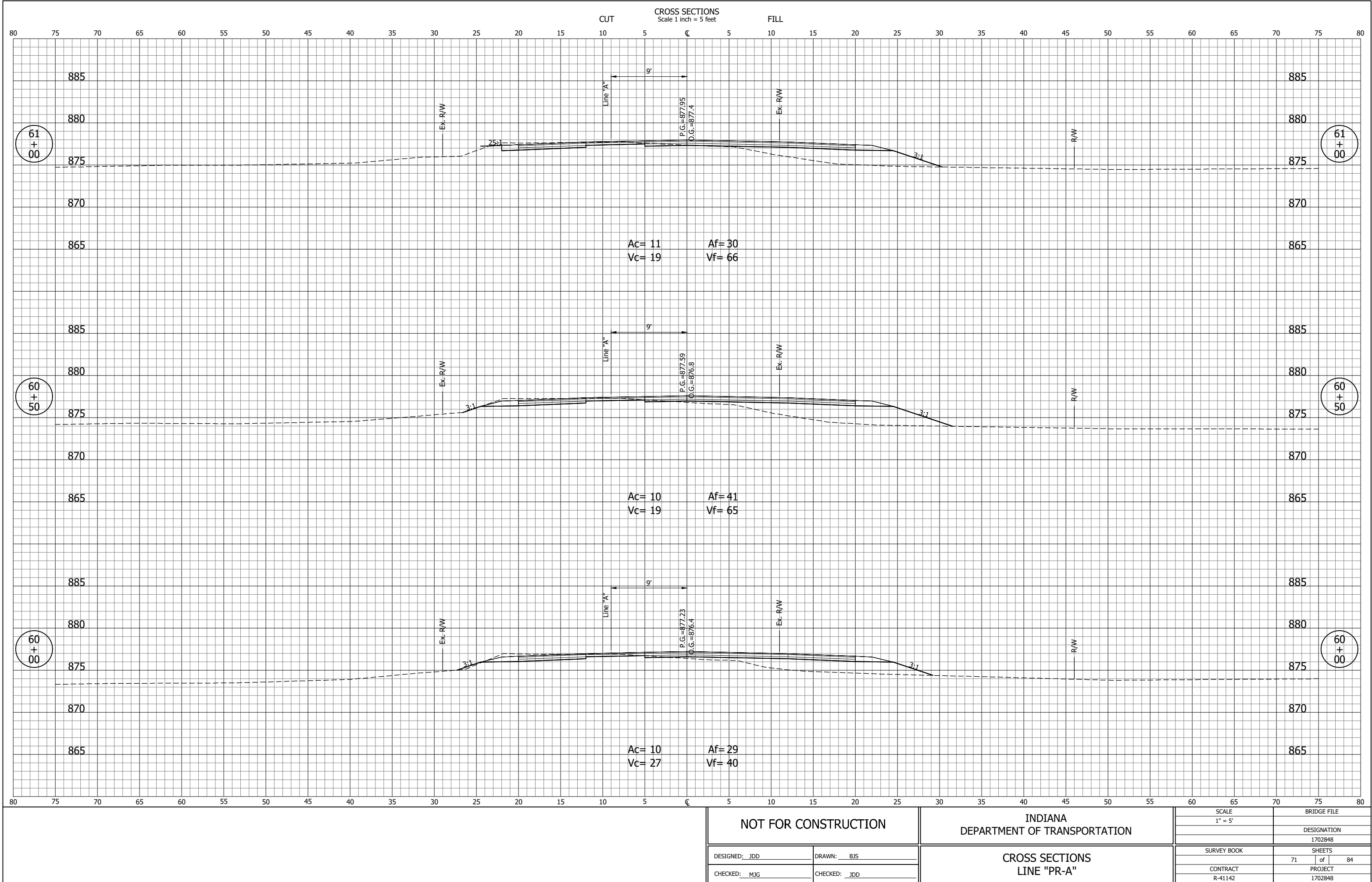
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		CROSS SECTIONS LINE "PR-A"			DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS			SURVEY BOOK	SHEETS 69 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

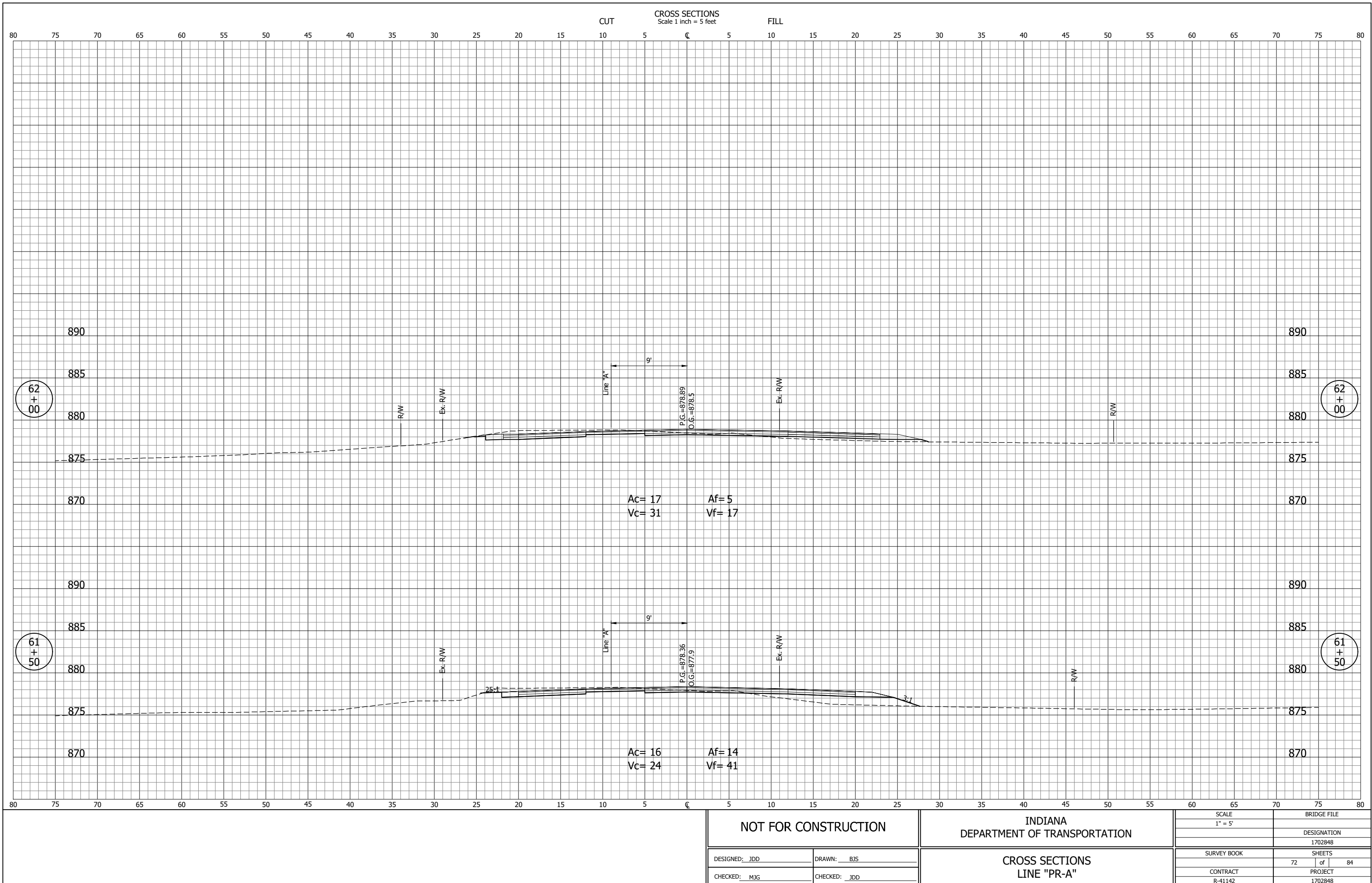
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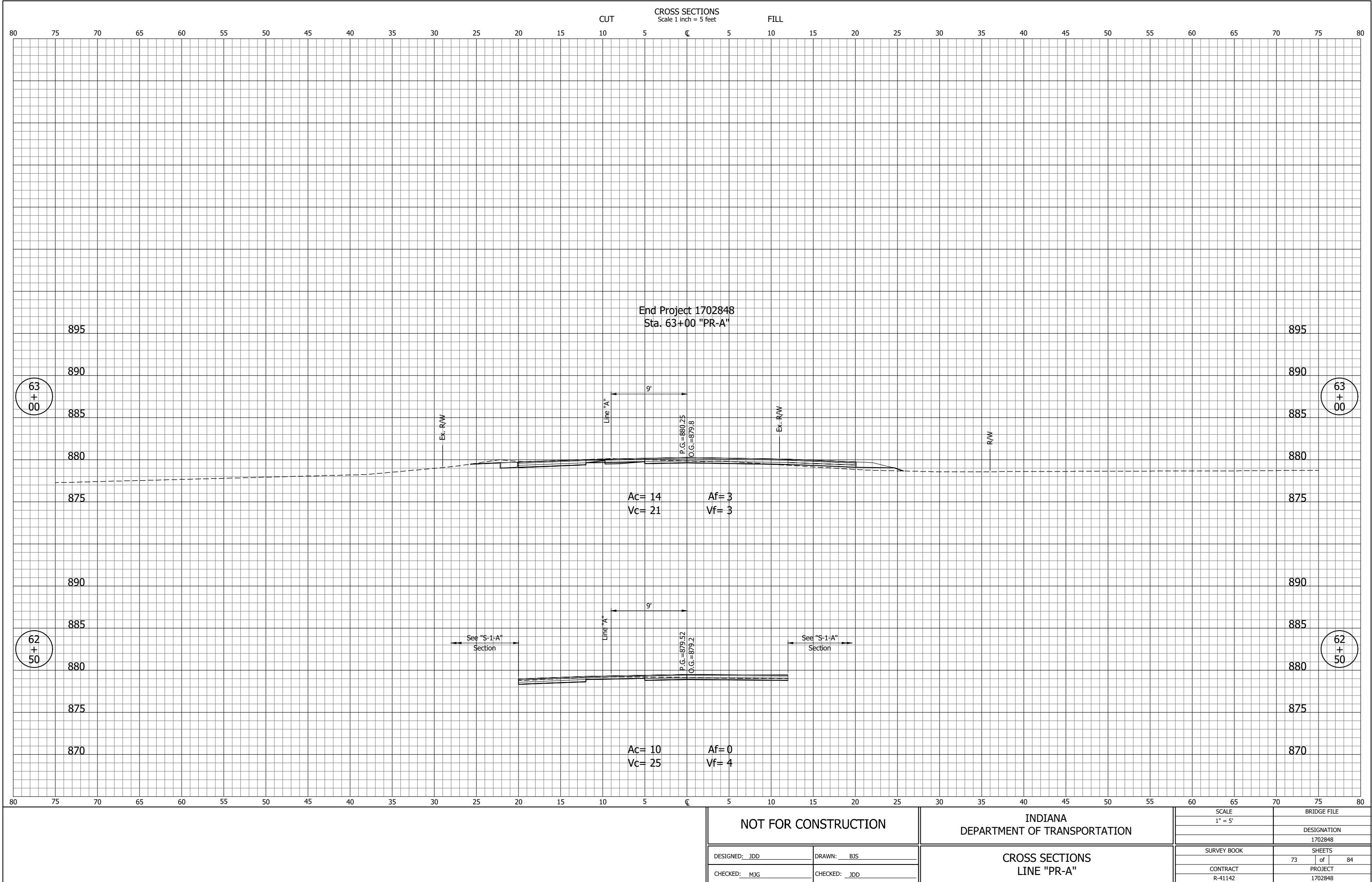
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					DESIGNATION 1702848
		CROSS SECTIONS LINE "PR-A"		SURVEY BOOK	SHEETS 70 of 84
DESIGNED: JDD	DRAWN: BJS			CONTRACT R-41142	PROJECT 1702848
CHECKED: MJG	CHECKED: JDD				

JDD - 7/13/2020 8:57 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_40_PR-A)

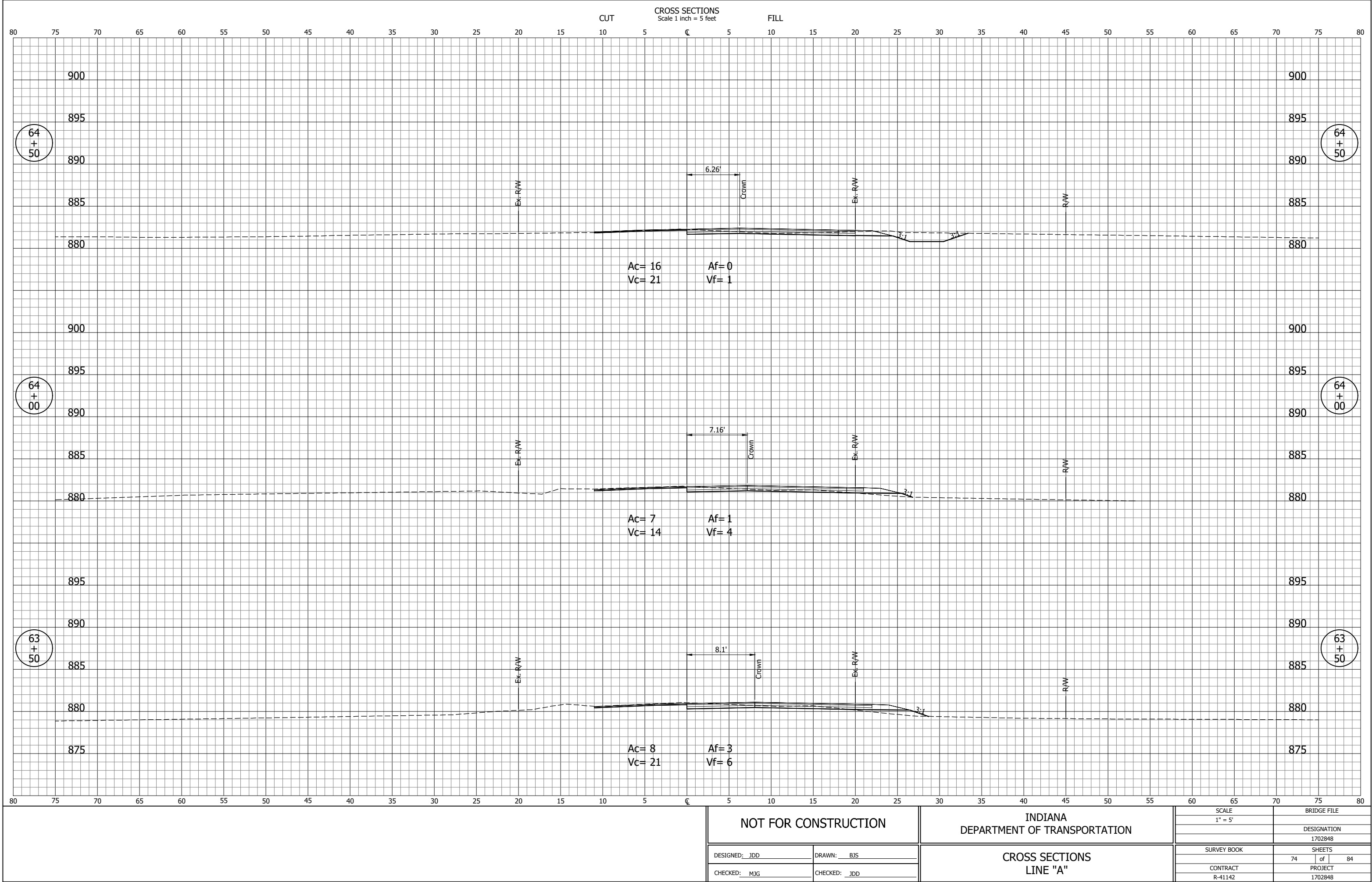




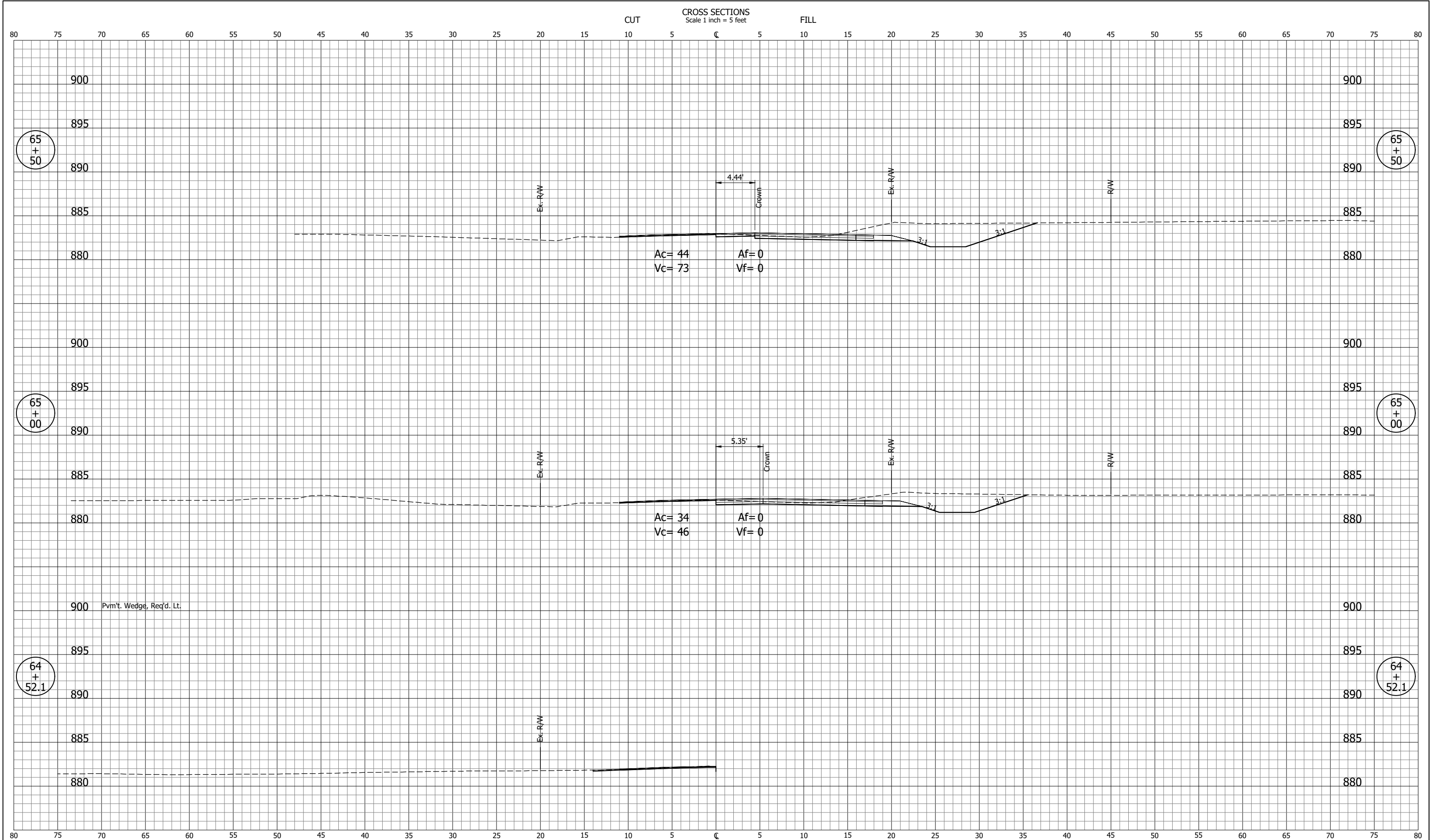
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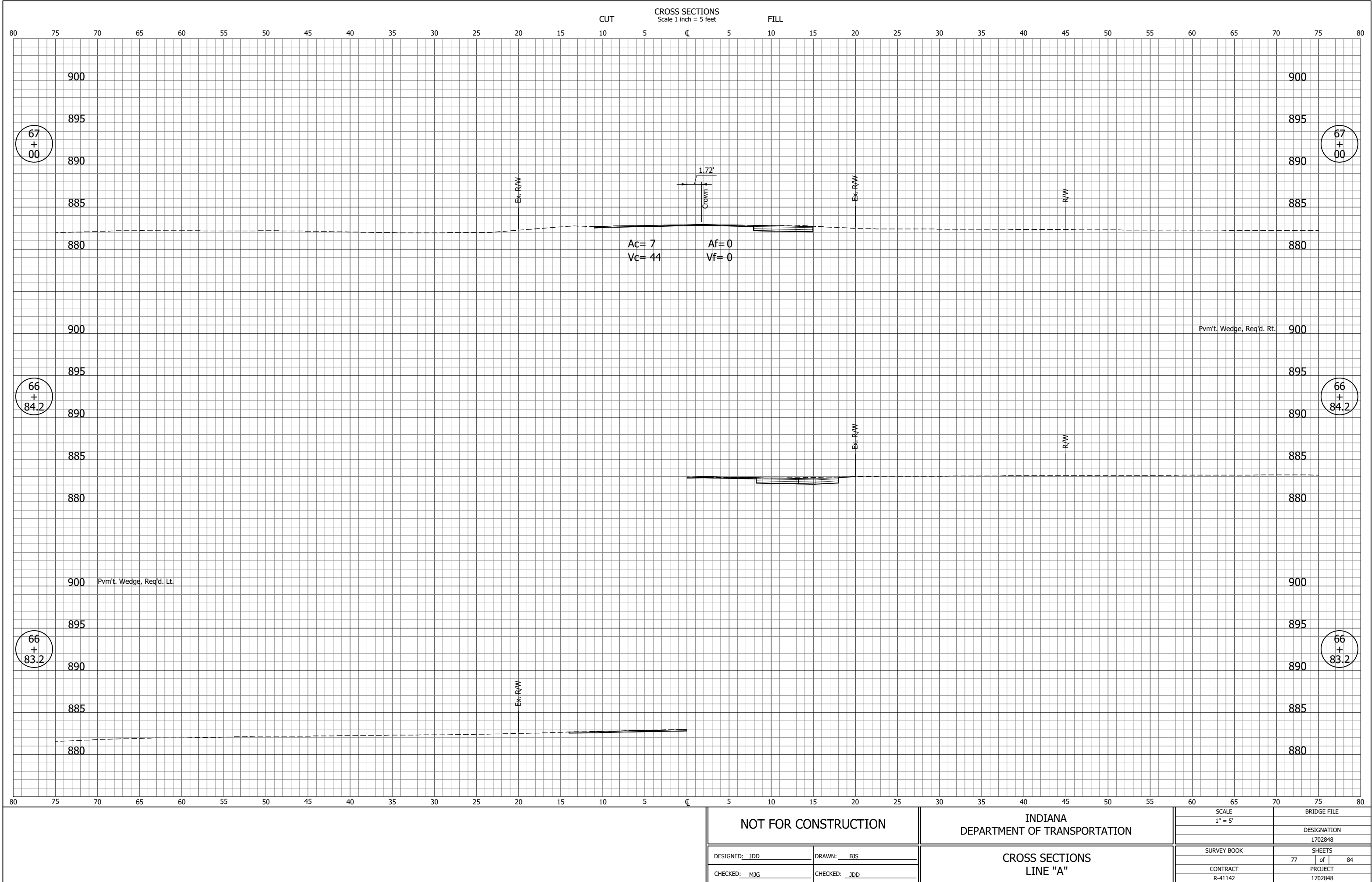


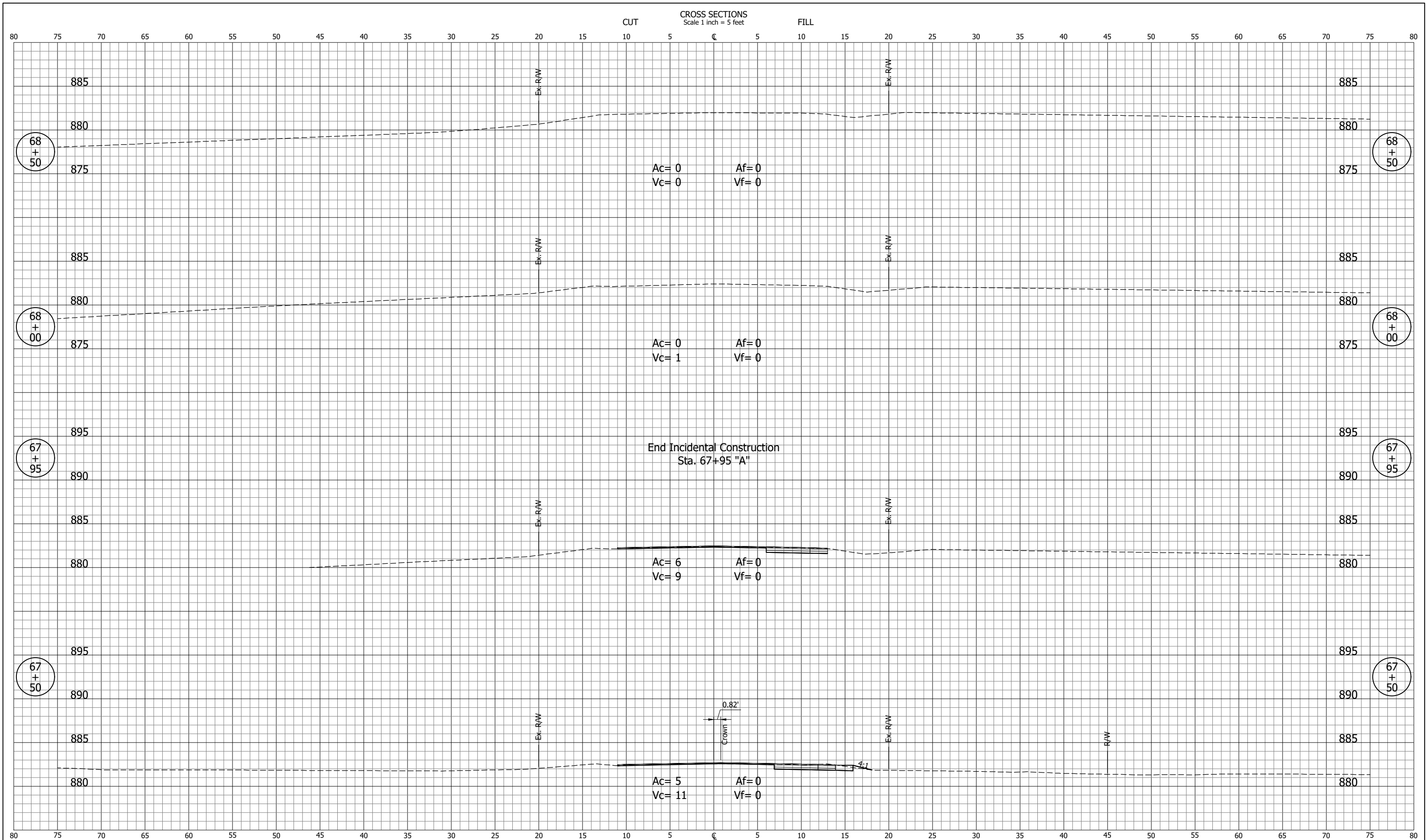
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NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
					DESIGNATION 1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "A"		SURVEY BOOK	SHEETS 75 of 84
CHECKED: MJG	CHECKED: JDD			CONTRACT R-41142	PROJECT 1702848

JDD - 7/13/2020 8:57 AM - U:\2018\201884 Elk Co CR40\Cad\C3D\Design Files\188410D_CO.dwg (XS_47_A)





NOT FOR CONSTRUCTION

DRAWN: BJS

CHECKED: JDD

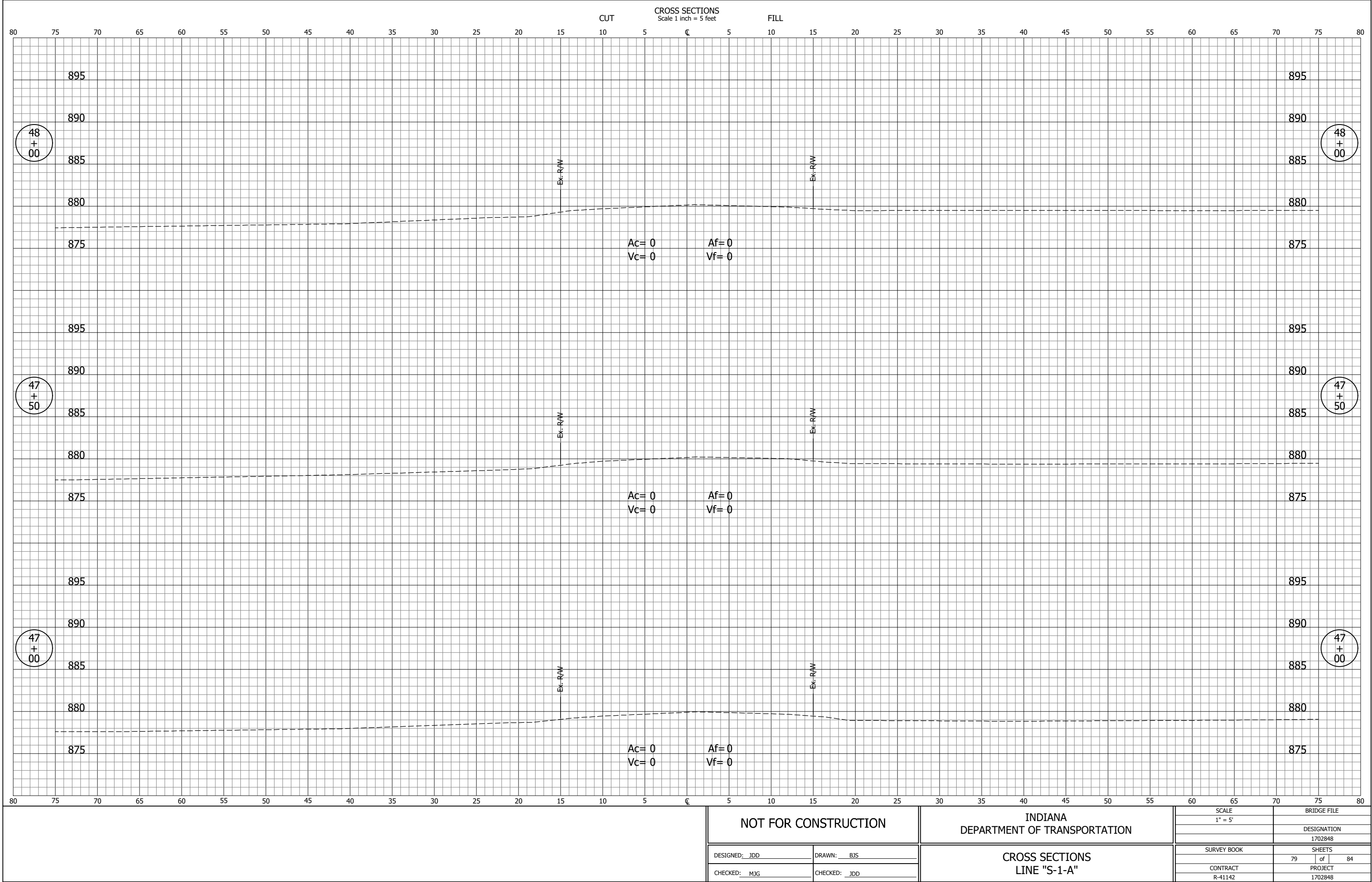
INDIANA
DEPARTMENT OF TRANSPORTATION

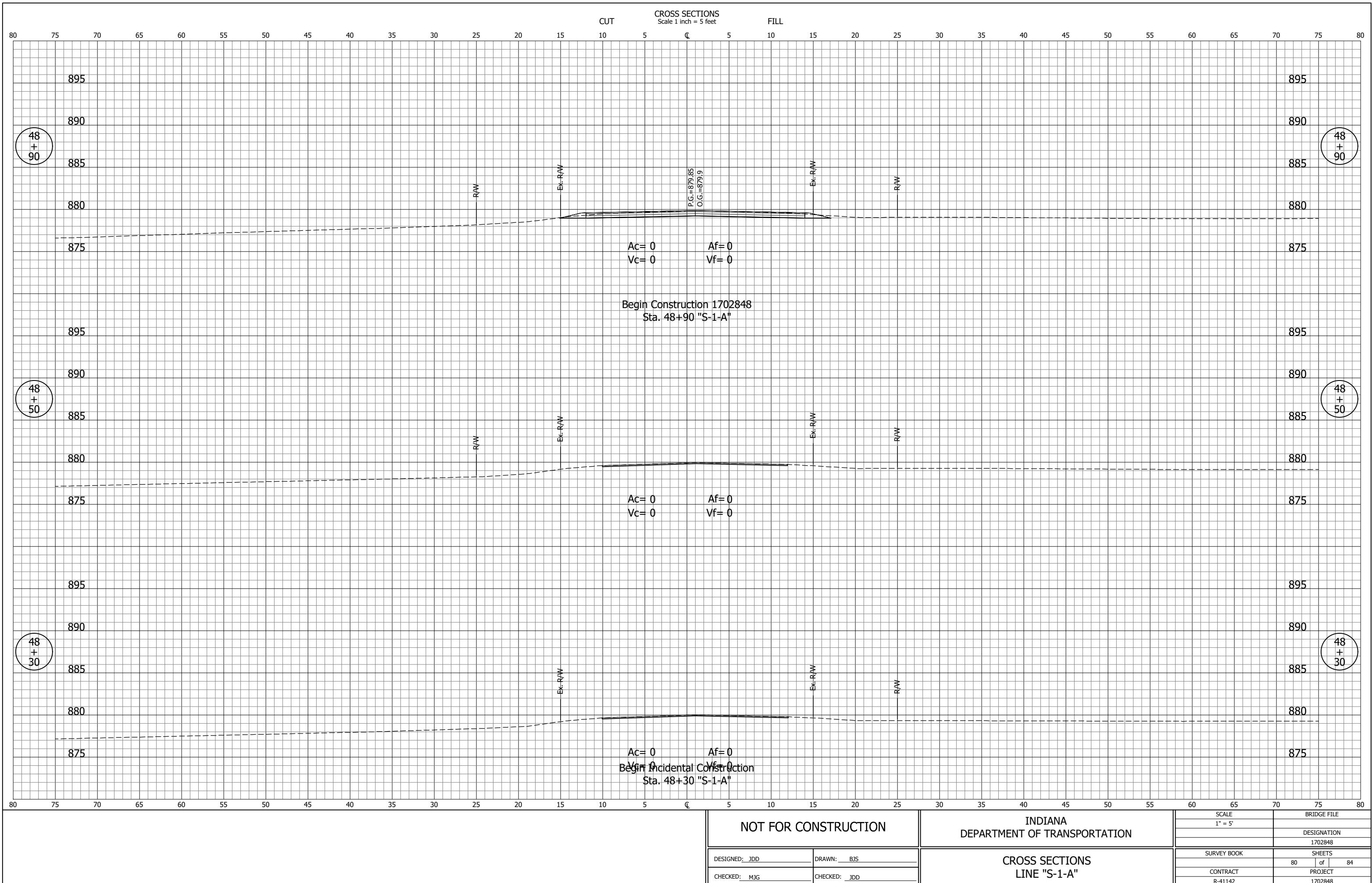
CROSS SECTIONS
LINE "A"

PROJECT		
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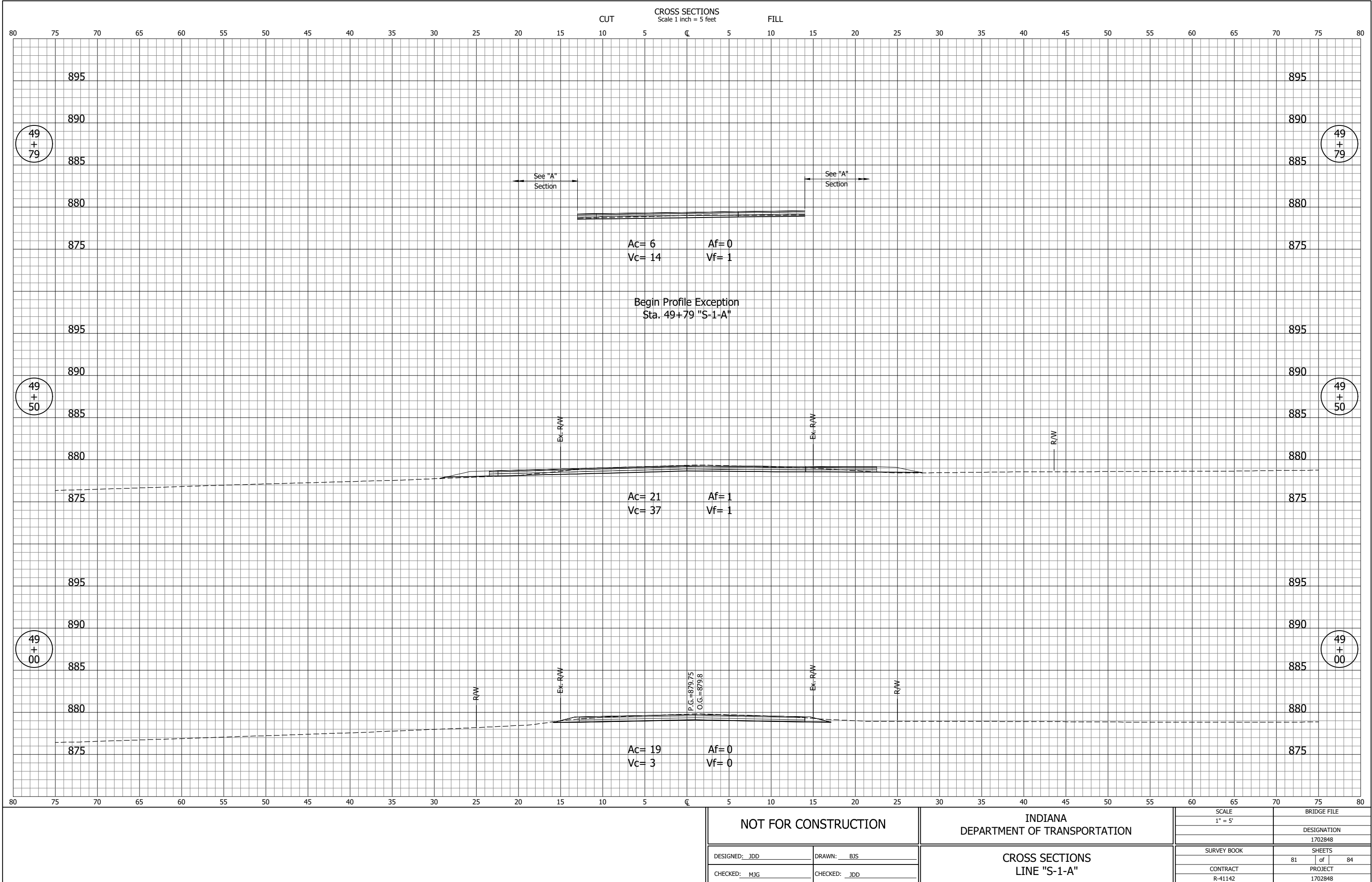
1702848

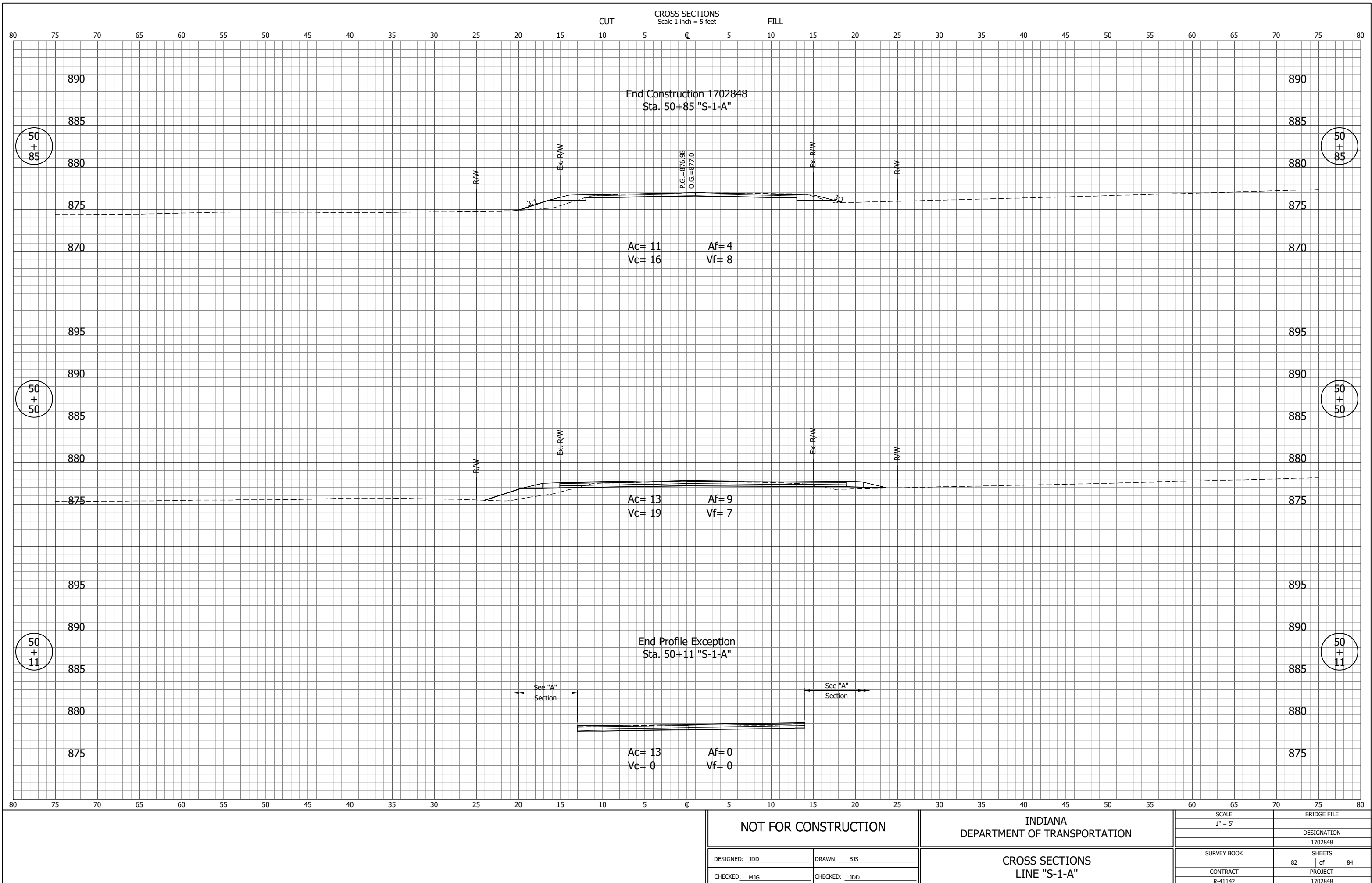
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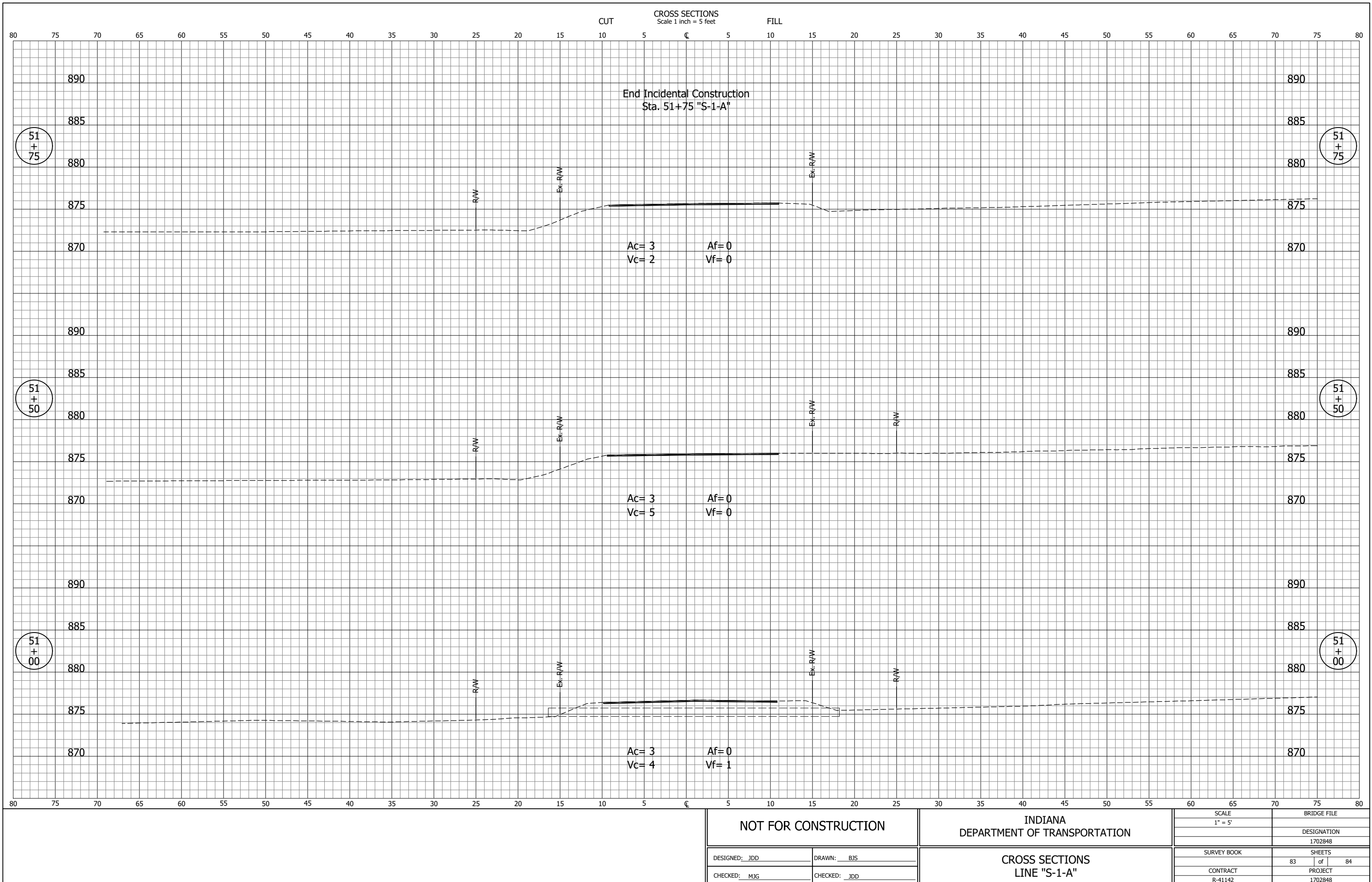




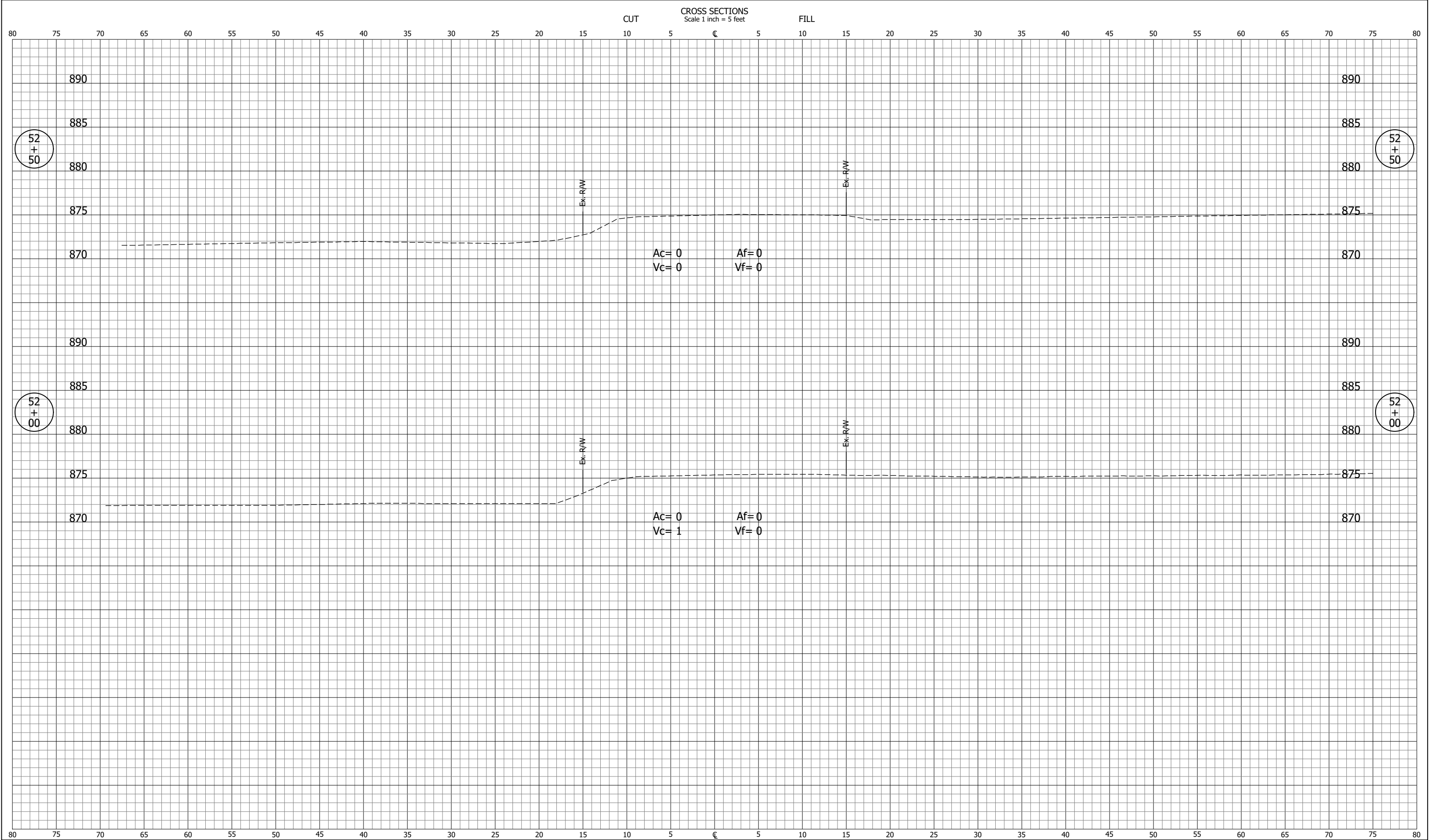
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NOT FOR CONSTRUCTION		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE 1" = 5'	BRIDGE FILE
					DESIGNATION
					1702848
DESIGNED: JDD	DRAWN: BJS	CROSS SECTIONS LINE "S-1-A"		SURVEY BOOK	SHEETS
CHECKED: MJG	CHECKED: JDD			84 of 84	
				CONTRACT R-41142	PROJECT 1702848