

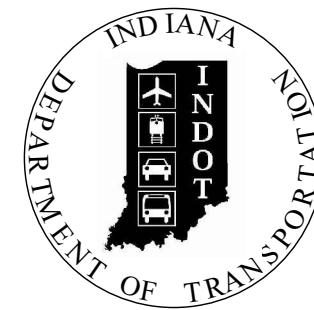
PROJECT	DESIGNATION
1702935	1702935
CONTRACT	BRIDGE FILE
R-41903	N/A

KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1700803 (LEAD)	US 36 Road Reconstruction
1592447	MS TRAI Bike/Pedestrian Facilities
1702935	US 36 Intersection Improvement
1801068	US 36 Bridge Preventive Maintenance
1901435	IR 1023 Intersection Improvement
1901985	US 36 Bike/Pedestrian Facilities

STAGE 3 SUBMISSION
JANUARY 18, 2022

ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

INDIANA DEPARTMENT OF TRANSPORTATION

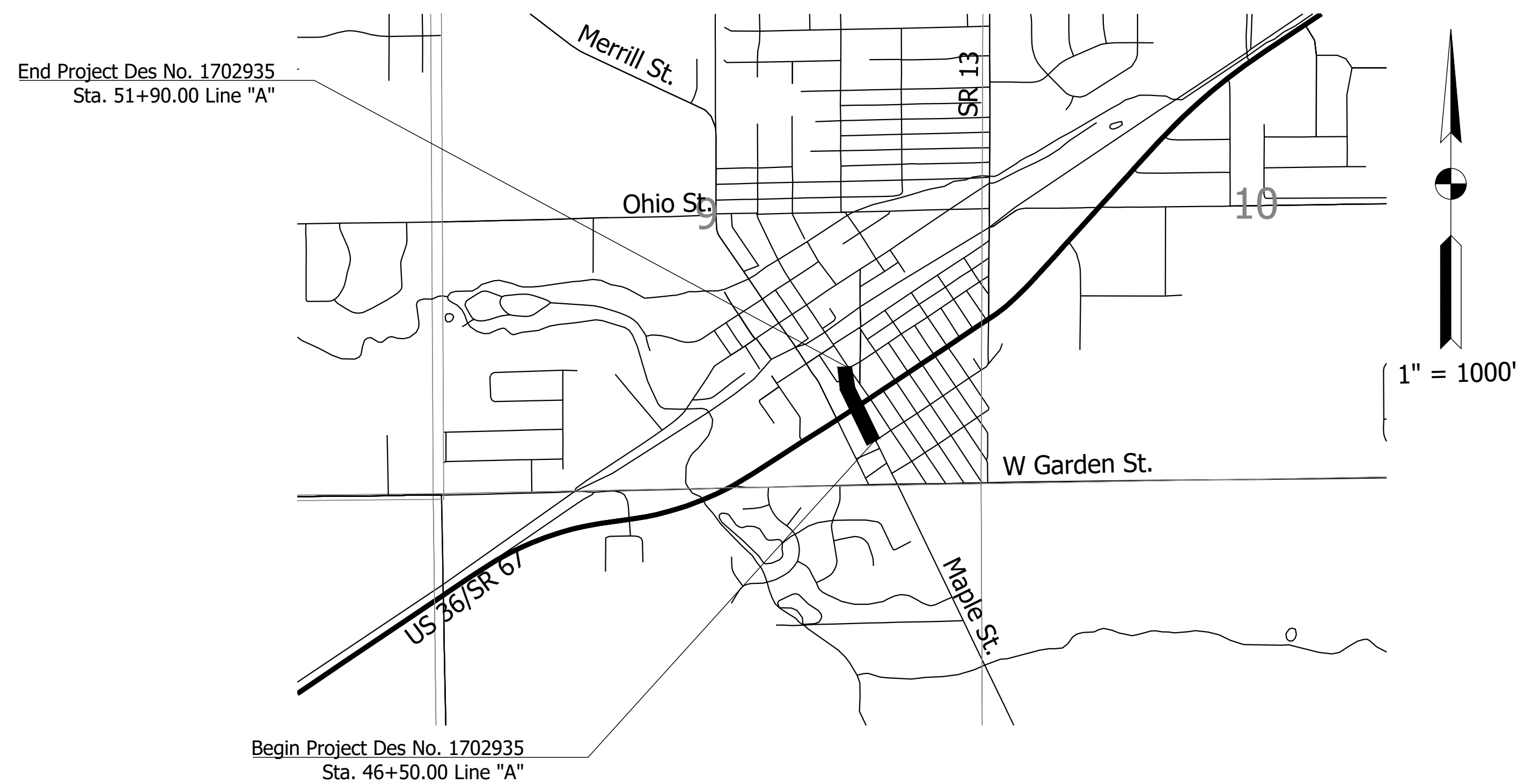


ROAD PLANS

ROUTE: MAPLE ST. FROM: Sta. 46+50 TO: Sta.51+90
PROJECT NO. 1702935 P.E.
1702935 R/W
1702935 CONST.

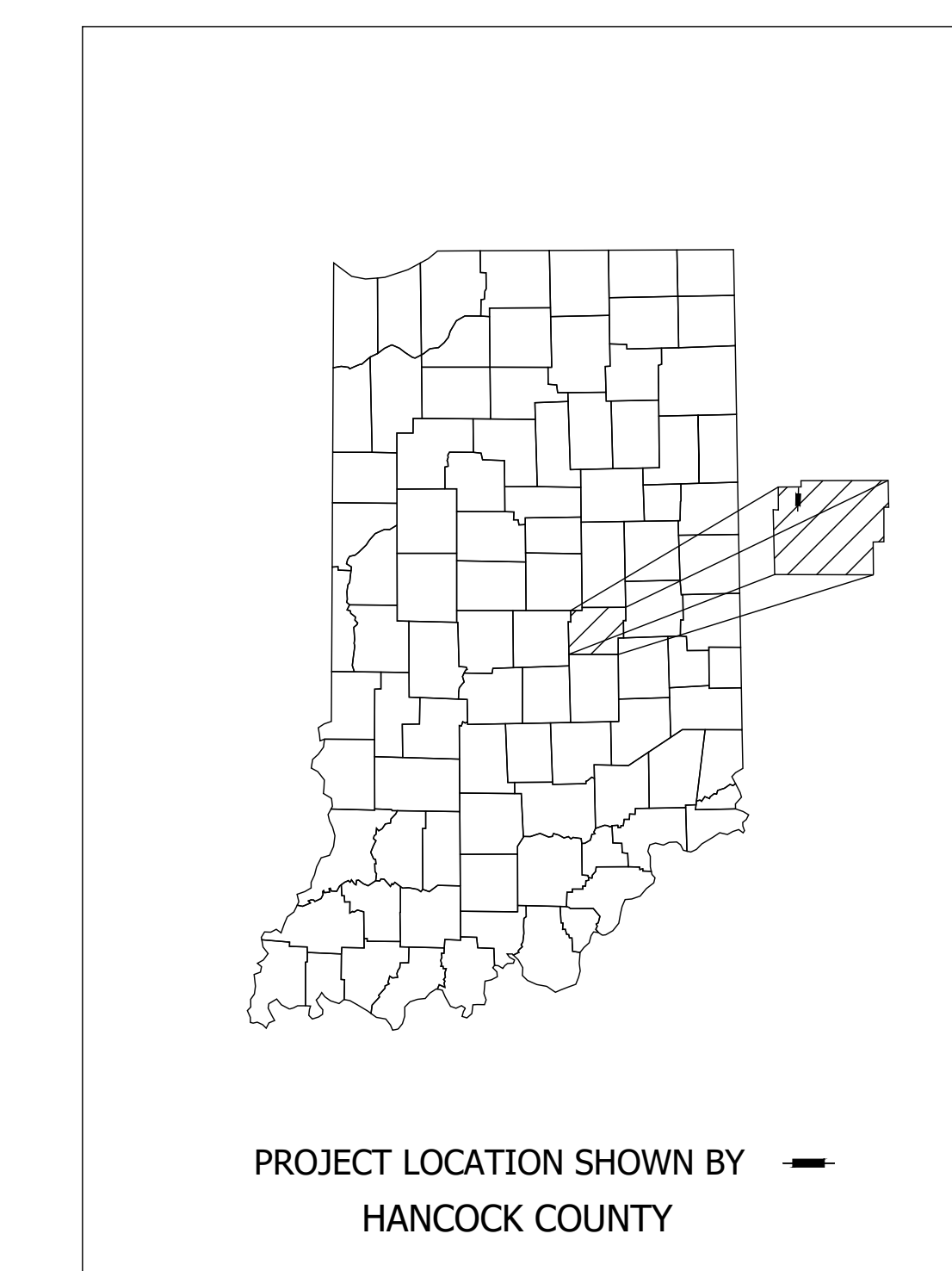
Gross Length: 0.102 MILES
Net Length: 0.102 MILES
Maximum Grade: 1.65%

Project Description:
Intersection Improvement at US36 and Maple St. in Section 9 and 10, Township 17N,
Range 6E, Vernon Township, Hancock County, Indiana.



TRAFFIC DATA		
A.A.D.T. (2022)		7,313 V.P.D.
A.A.D.T. (2042)		8,923 V.P.D.
D.H.V (2042)		1,065 V.P.H.
DIRECTIONAL DISTRIBUTION		50/50 %
TRUCKS		4% A.A.D.T. 4% D.H.V.

DESIGN DATA		
DESIGN SPEED		30 M.P.H.
PROJECT DESIGN CRITERIA		RECONSTRUCTION
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE



BOP LATITUDE: 39°55'49" N BOP LONGITUDE: 85°50'50" W
EOP LATITUDE: 39°55'54" N EOP LONGITUDE: 85°50'53" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	0.102	MI.
TOTAL LENGTH:	0.102	MI.
MAX. GRADE:	1.65%	%

HUC 14 Code: 05120201100120

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

Date: Feb 07, 2022, 3:15pm User Name: MWall
File: S:_2018\218-0015\04H\Road\CAD\Misc\DWG\SH Title.dwg

112 W. Jefferson Blvd., Suite 500
South Bend, Indiana 46601
PHONE: 574.334.5460
TOLL FREE: 800.423.7411

PLANS PREPARED BY:	Lochmueller Group, Inc.	(317) 222-3880
		PHONE NUMBER
CERTIFIED BY:		--/--
		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
N/A	
DESIGNATION	
1702935	
SURVEY BOOK	SHEET
ELECTRONIC	1 of 24
CONTRACT	PROJECT
R-41903	1702935

UTILITIES

COMMUNICATIONS

Brighthouse Networks Indianapolis
Steve Creech
3030 Roosevelt Ave.
Indianapolis, IN 46218
317-632-9077
steve.creech@charter.com

WATER / SEWER

Fortville Water & Sewer Works
Joe Renner
714 E. Broadway
Fortville, IN 46040
317-485-4044
jrenner@fortvilleindiana.org

COMMUNICATIONS

CenturyLink
Melissa Teague
19 Yarmouth Dr., Ste. 301
New Gloucester, ME
765-656-4663
melissa.teague@centurylink.com

ELECTRIC

Duke Energy
Cindy Rowland
317-776-5341
cindy.rowland@duke-energy.com

GAS

Panhandle Eastern
Nathan Cloud
8910 Purdue Road, Ste. 300
Indianapolis, IN 46268
317-879-3039
nathan.cloud@energytransfer.com

FIBER OPTIC

NineStar Connect
Jason Warrick
2243 E Main St.
Greenfield, IN
317-323-2081
jwarrick@ninestarconnect.com

ELECTRIC

Vectren
publicproject@vectren.com

GENERAL NOTES

All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.

All design shall be in accordance with the Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Latest Edition.

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.

Intersections and curb ramps are to be considered complete units and their grades are to be determined before construction starts. Spot elevations take precedence over typical sections and profile grade.

All proposed traffic signal conduits shall be HDPE or PVC. Conduits installed under pavement shall be HDPE SCH 80. All other conduits may be SCH 40 or SCH 80.

Locations for proposed pedestrian signal pole foundations shall be field approved by the Engineer.

All pedestrian related facilities must comply with current ADA standards and guidelines set forth by INDOT. Refer to curb ramp detail sheets for information pertaining to the construction of the proposed curb ramps at this intersection. The Contractor shall coordinate construction of pedestrian signal equipment with sidewalk and curb ramp construction to ensure final locations are compliant with ADA standards and INDOT guidelines.

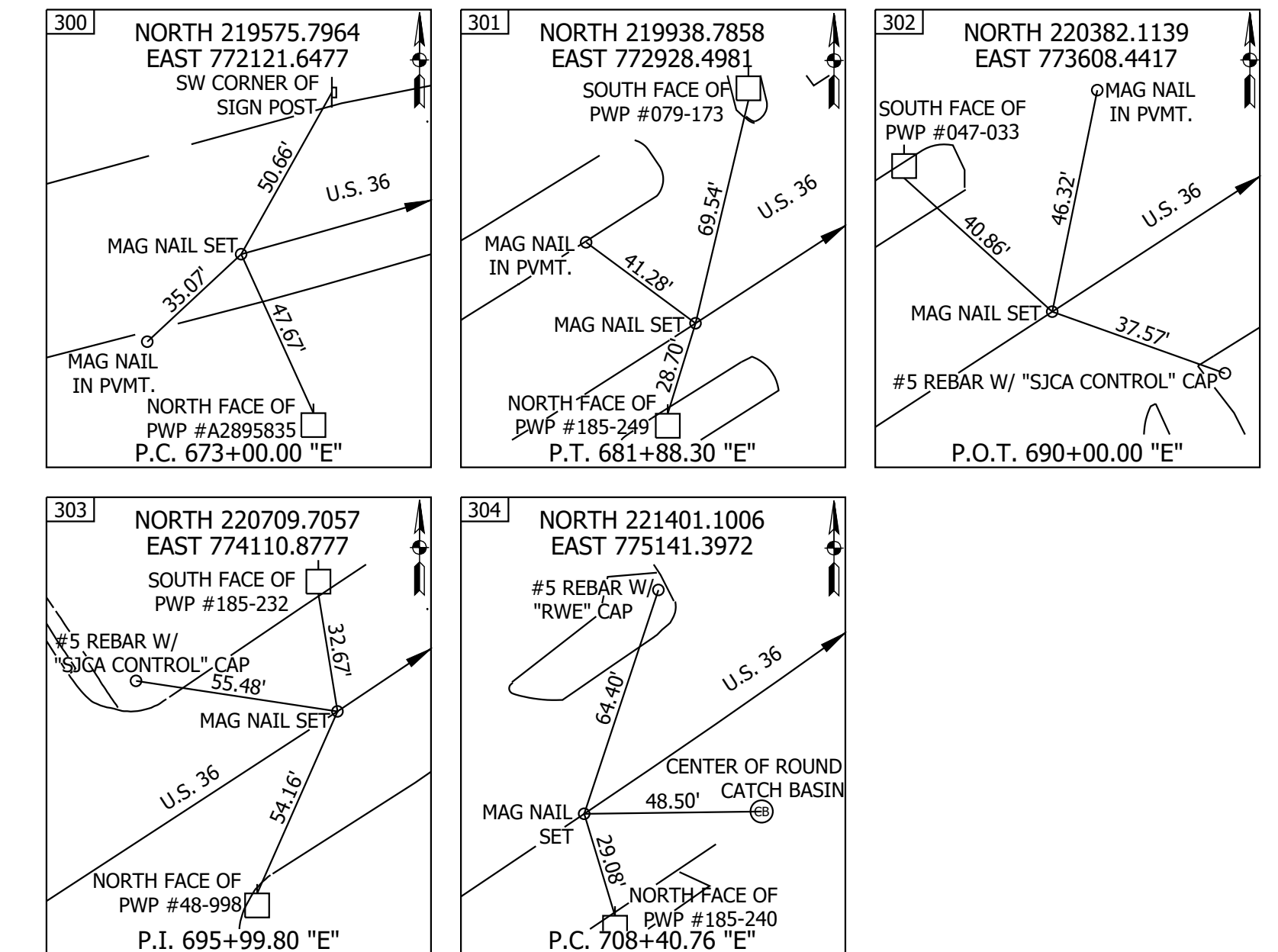
Each pedestrian push button shall be considered part of an individual Accessible Pedestrian Signal (APS) unit. Where push buttons are shown in the plans, an individual APS unit with corresponding R10-3EL or R10-3ER sign shall be installed, mounted between 42" and 48" above the pushbutton clear space, and within a 10 in. unobstructed side reach. Where pole placement is limited, a 6 in. or 12 in. APS unit assembly extension may be used to meet the side reach requirements. Refer to Pedestrian Push Button Detail sheets for additional information.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3	TYPICAL SECTIONS
4	PLAT NO. 1
5	MAINTENANCE OF TRAFFIC DETAILS
6-7	PLAN AND PROFILE - LINE "MAPLE"
8-9	SIGNAL DETAILS
10-11	CURB RAMP DETAILS
12	EROSION CONTROL PLAN
13	PAVEMENT MARKING DETAILS
14-16	MISCELLANEOUS TABLES
17-24	CROSS SECTIONS - LINE "MAPLE"

REVISIONS

SHEET NO.	DATE	REVISED

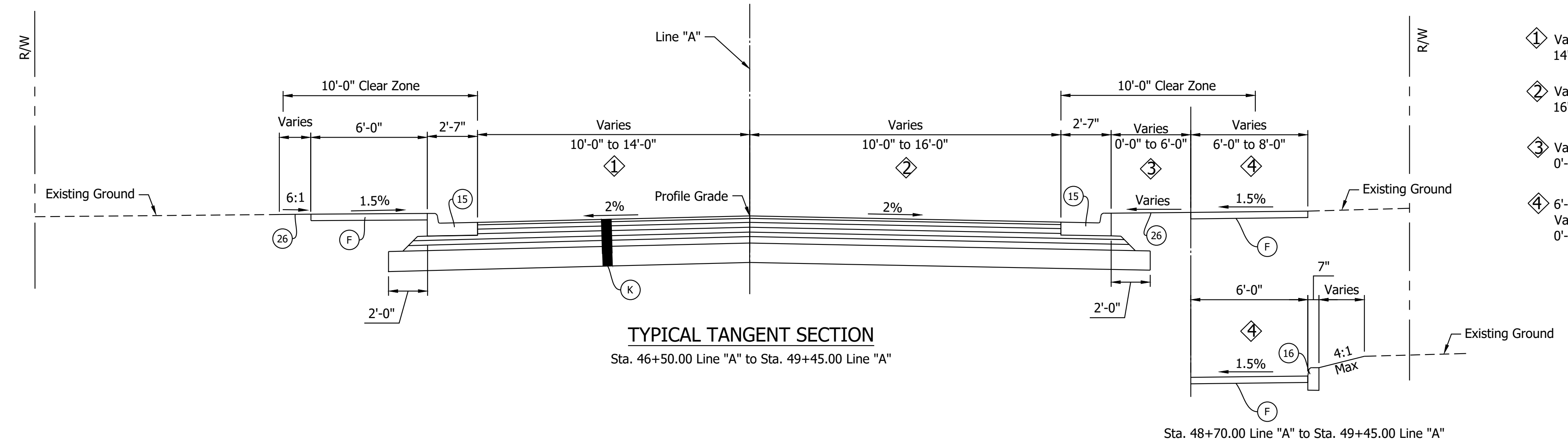


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: _____ MDV	DRAWN: _____ MMT	
CHECKED: _____ BKA	CHECKED: _____ BKA	

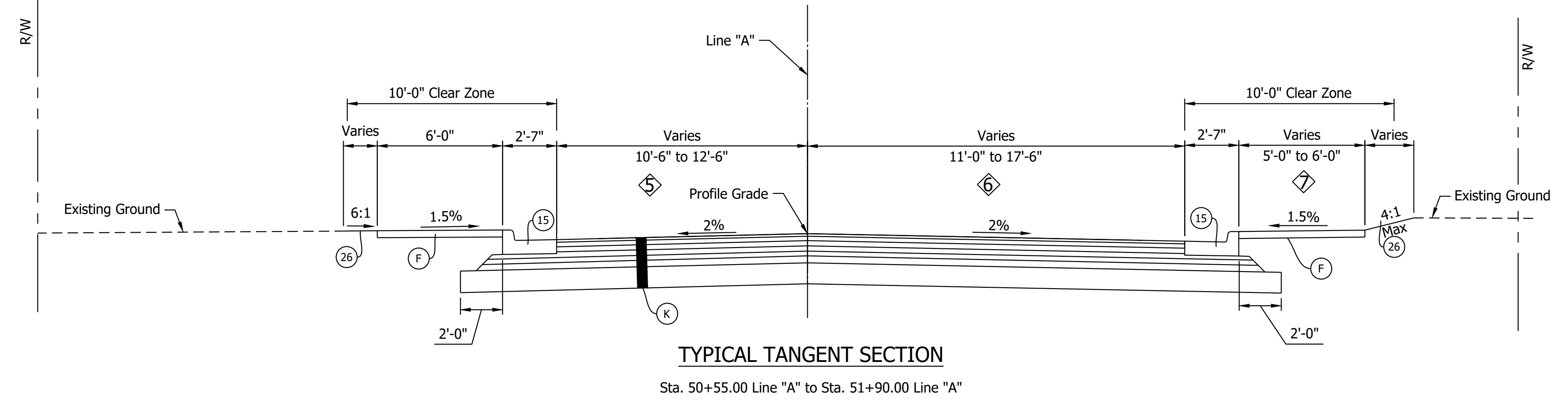
INDIANA DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

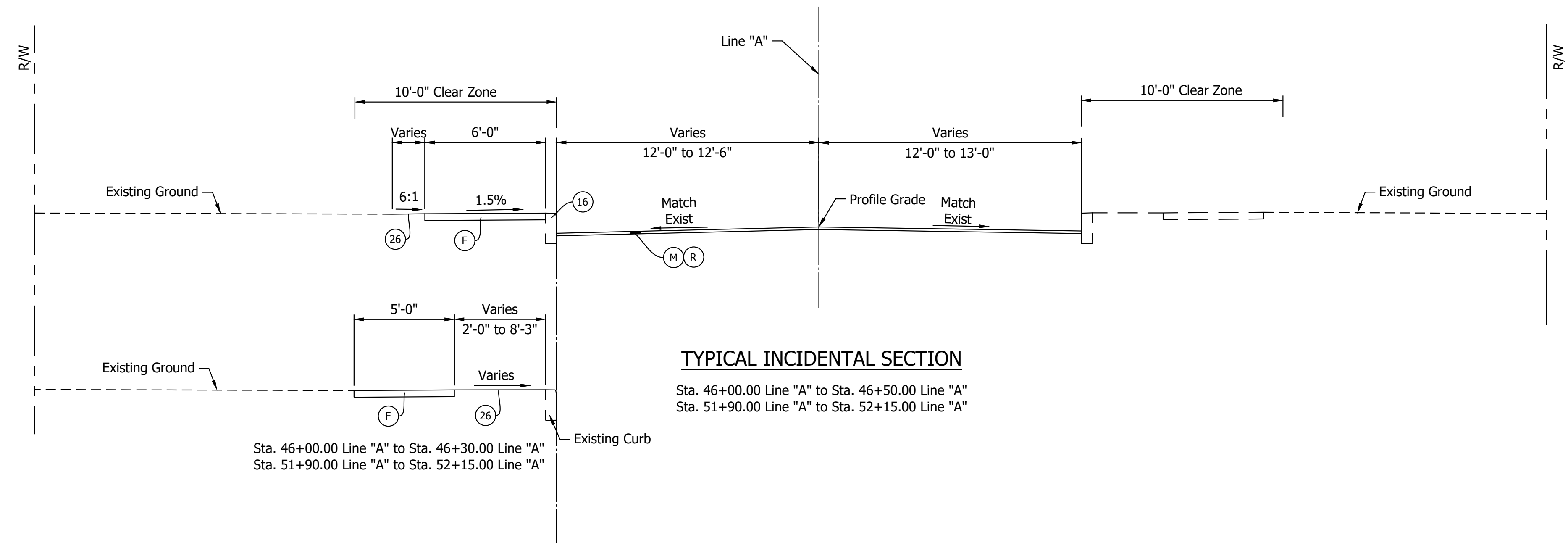
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VERTICAL SCALE	DESIGNATION
N/A	1702935
SURVEY BOOK	SHEET
ELECTRONIC	2 of 24
CONTRACT	PROJECT
R-41903	1702935



- ④ Varies 10'-0" @ Sta. 46+50.00 Line "A" to 14'-0" @ Sta. 47+65.00 Line "A"
- ④ 14'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"
- ④ Varies 10'-0" @ Sta. 46+50.00 Line "A" to 16'-0" @ Sta. 47+65.00 Line "A"
- ④ 16'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"
- ④ Varies 6'-0" @ Sta. 46+50.00 Line "A" to 2'-0" @ Sta. 47+32.75 Line "A"
- ④ 0'-0" @ Sta. 47+32.75 Line "A" to Sta. 49+45.00 Line "A"
- ④ 6'-0" @ Sta. 46+50.00 Line "A" to Sta. 47+32.75 Line "A"
- ④ Varies 8'-0" @ Sta. 47+32.75 Line "A" to Sta. 47+65.00 Line "A"
- ④ 0'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"



- ⑤ 12'-6" @ Sta. 50+55.25 Line "A" to Sta. 50+90.00 Line "A"
- ⑤ Varies 12'-6" @ Sta. 51+90.00 Line "A" to 10'-6" @ Sta. 51+90.00 Line "A"
- ⑥ 17'-6" @ Sta. 50+55.25 Line "A" to Sta. 50+90.00 Line "A"
- ⑥ Varies 17'-6" @ Sta. 51+90.00 Line "A" to 11'-0" @ Sta. 51+90.00 Line "A"
- ⑦ 5'-0" @ Sta. 50+55.25 Line "A" to Sta. 51+32.75 Line "A"
- ⑦ 6'-0" @ Sta. 51+32.75 Line "A" to Sta. 51+90.00 Line "A"



- (K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (26) Sodding
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm

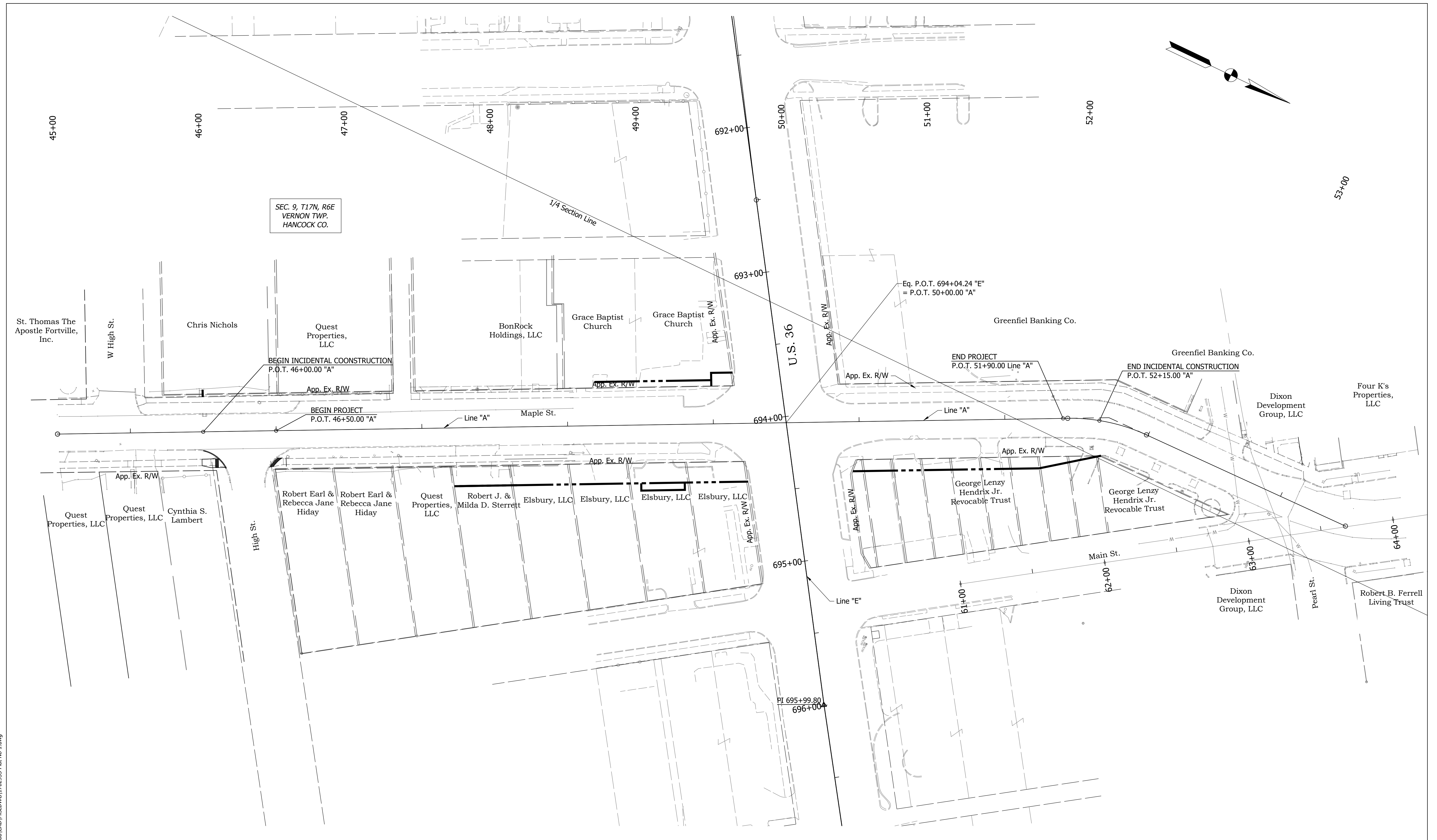
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: _____	MMT	DRAWN: _____
MMT	CHECKED: _____	BKA

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	1702935
SURVEY BOOK	SHEET
ELECTRONIC	3 of 24
CONTRACT	PROJECT
R-41903	1702935

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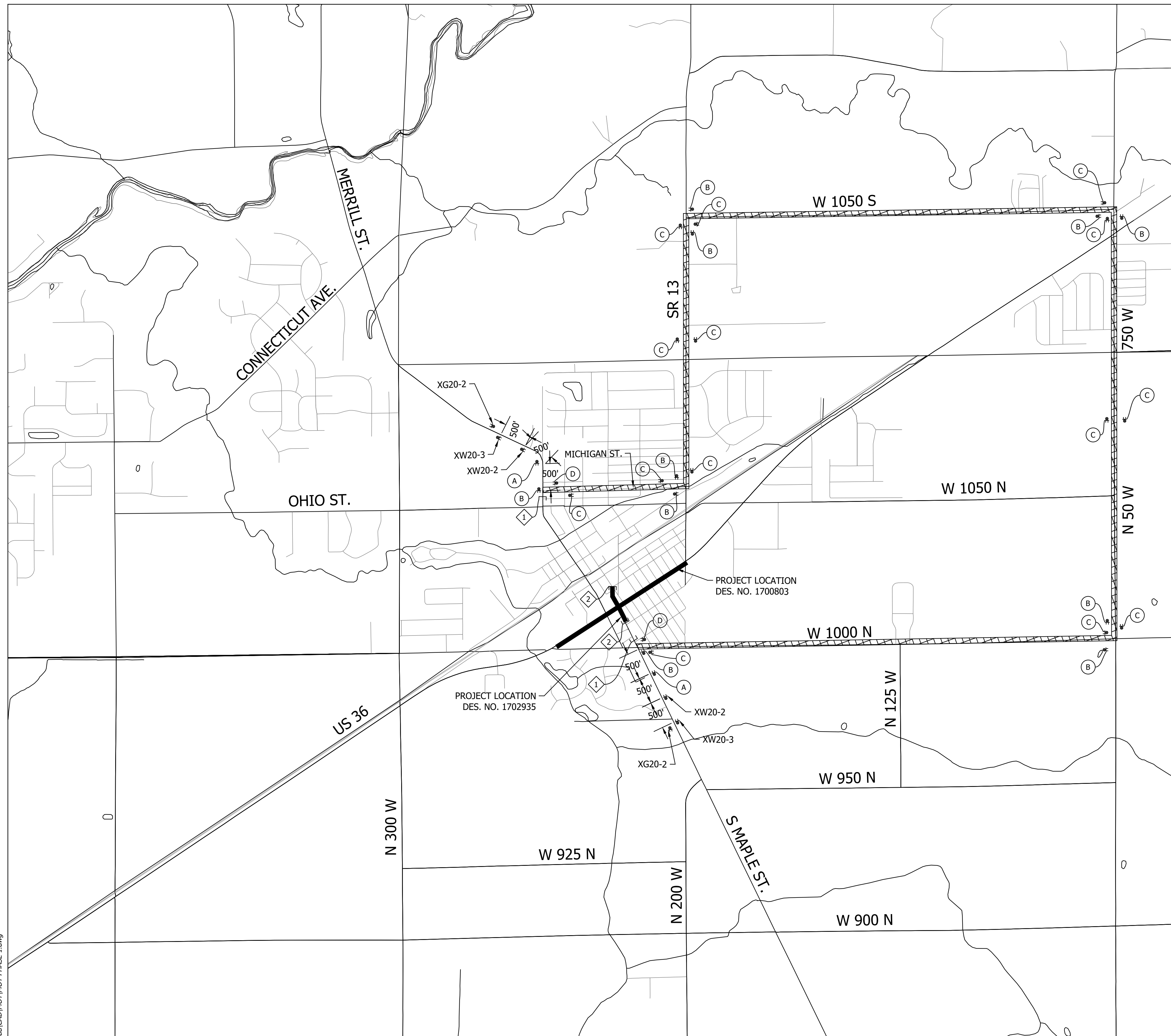
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MMT	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702935
SURVEY BOOK	SHEET
ELECTRONIC	4 of 24
CONTRACT	PROJECT
R-41903	1702935

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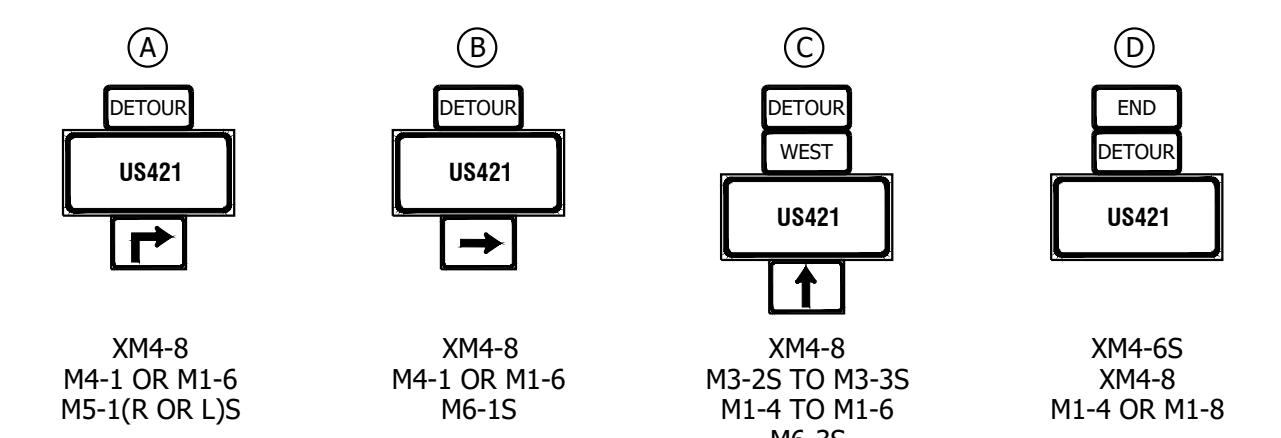
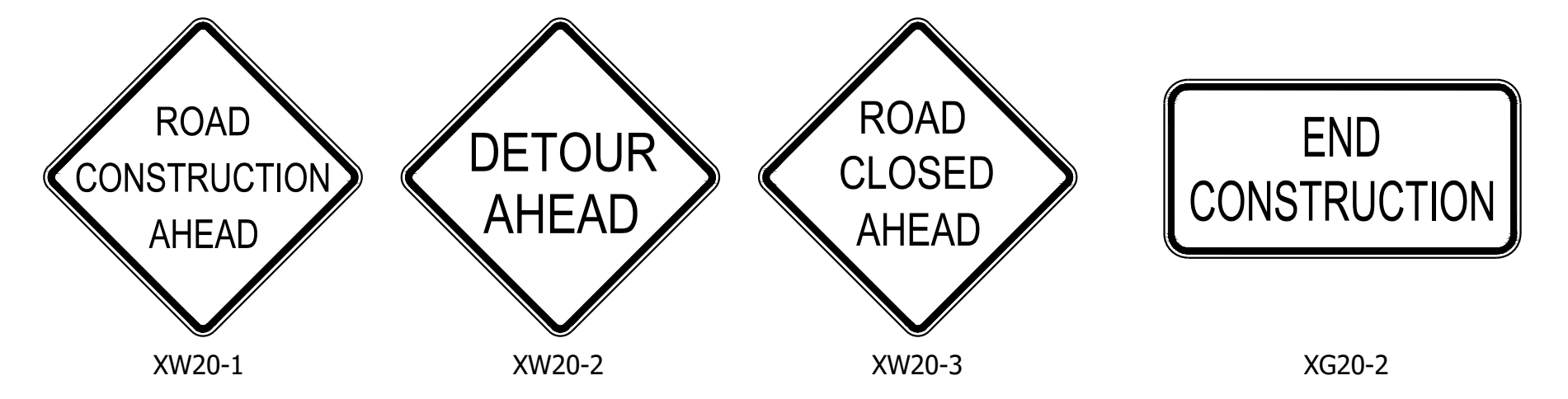


CONSTRUCTION SIGN SCHEDULE					
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	QUANTITY	
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	2	
R11-3A	"ROAD CLOSED XX MILES AHEAD" SIGN	60 x 30	(1)	2	
XM4-10 (L or R)	"DETOUR" SIGN	48 x 18	(1)	2	
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48	A	2	
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	2	
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	2	
XG20-2	"END CONSTRUCTION" SIGN	60 x 24	B	2	
				TOTAL TYPE "A" SIGNS	6
				TOTAL TYPE "B" SIGNS	2

Detour Route Marker Assemblies: 28 Req'd
 Road Closure Sign Assemblies: 4 Req'd
 Type III-A Barricades: 48 LFT
 Type III-B Barricades: 24 LFT

(1) Included with road closure sign assembly.

LEGEND
 Details Not to Scale



- 1 ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-B BARRICADE (12 LFT) AND R11-3A
- 2 ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-A BARRICADE (24 LFT) AND R11-2 AND XM4-10 (L OR R)
- CONSTRUCTION ZONE
- DETOUR ROUTE

GENERAL NOTES

1. All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
2. See INDOT Std. Drwg. 801-TCDT-01 for sign spacing requirements and additional notes.
3. See INDOT Std. Drwg. 801-TCLG-01 for standard notes.
4. Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

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

INDIANA DEPARTMENT OF TRANSPORTATION
 TRAFFIC-MAINTENANCE DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1"=1000'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702935
SURVEY BOOK	SHEET
ELECTRONIC	5 of 24
CONTRACT	PROJECT
R-41903	1702935

SEC. 9, T17N, R6E
VERNON TWP.
HANCOCK CO.

St. Thomas The
Apostle Fortville,
Inc.

Chris Nichols

Chris Nichols

Robert Earl &
Rebecca Jane
Hiday

MAPLE ST.

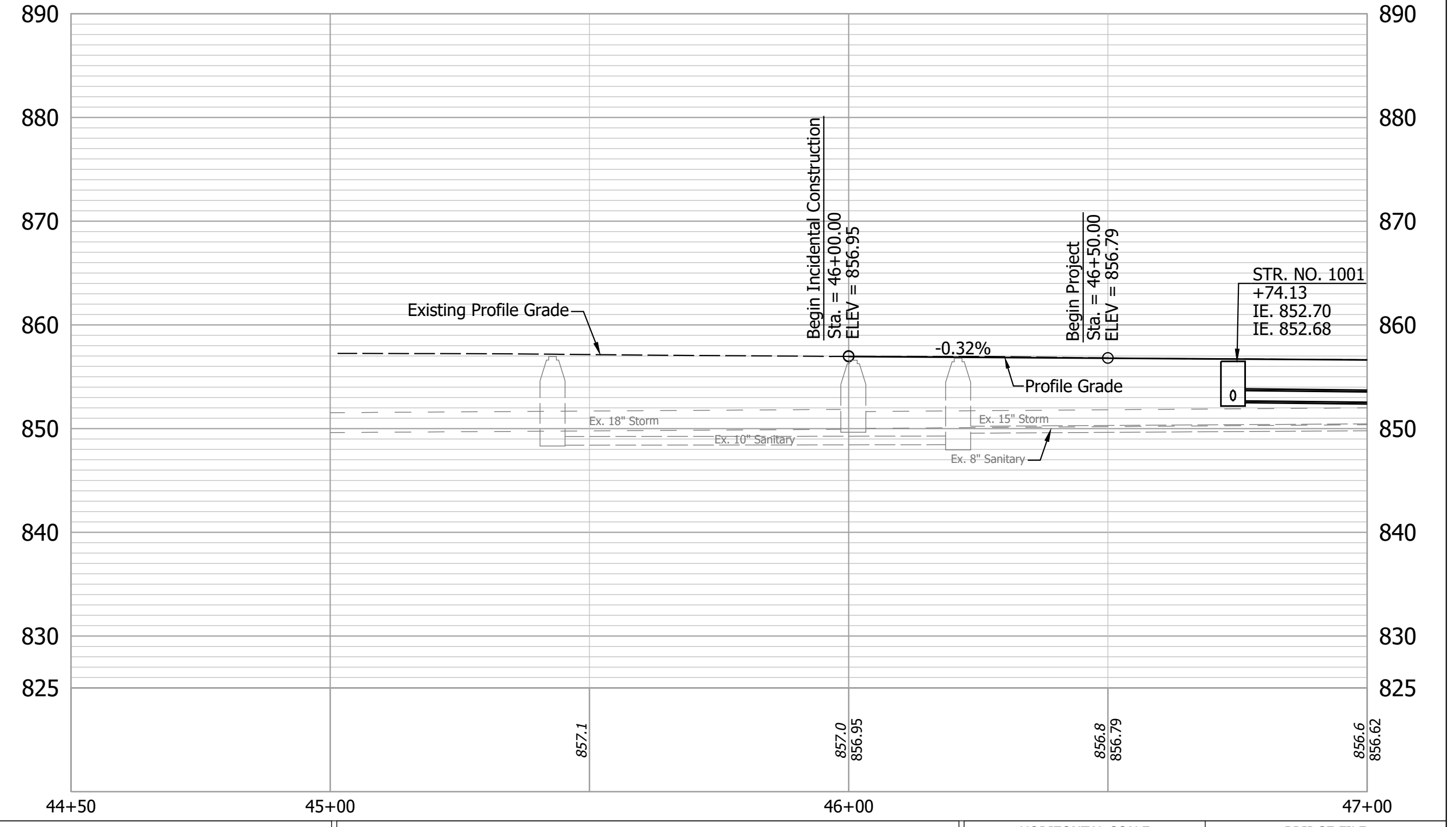
W HIGH ST.

HIGH ST.

All R/W and Topography described from
Line "Maple" unless otherwise noted.

BM #1 - RR SPK 12" Up On West Face PJNT
Sta. 44+55.08, 18.0' Rt. of Line "Maple"
Elev. 858.76

BM #2 - Chiseled X On Top North Bolt Fire
Hydrant
Sta. 53+48.50, 50.3' Rt. of Line "Maple"
Elev. 858.94



- (K) 165 LB/SYS QC/QA HMA, 3, 70, Surface, 9.5 mm on
275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on
300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on
4 IN Compacted Aggregate, No. 53 on
Subgrade Treatment, Type ID
- (CR) Curb Ramp, Concrete
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (85) Casting, Adjust to Grade
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm

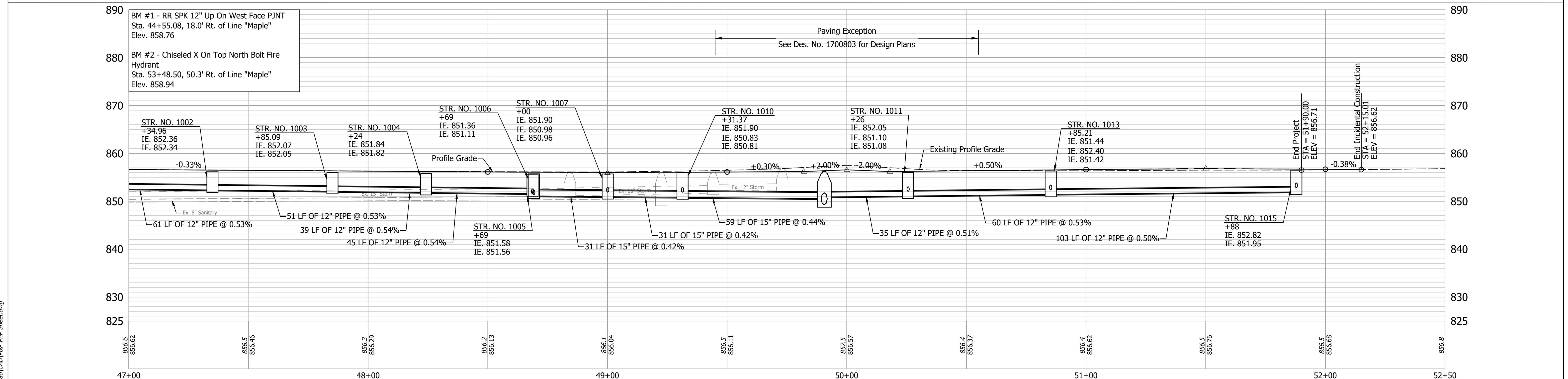
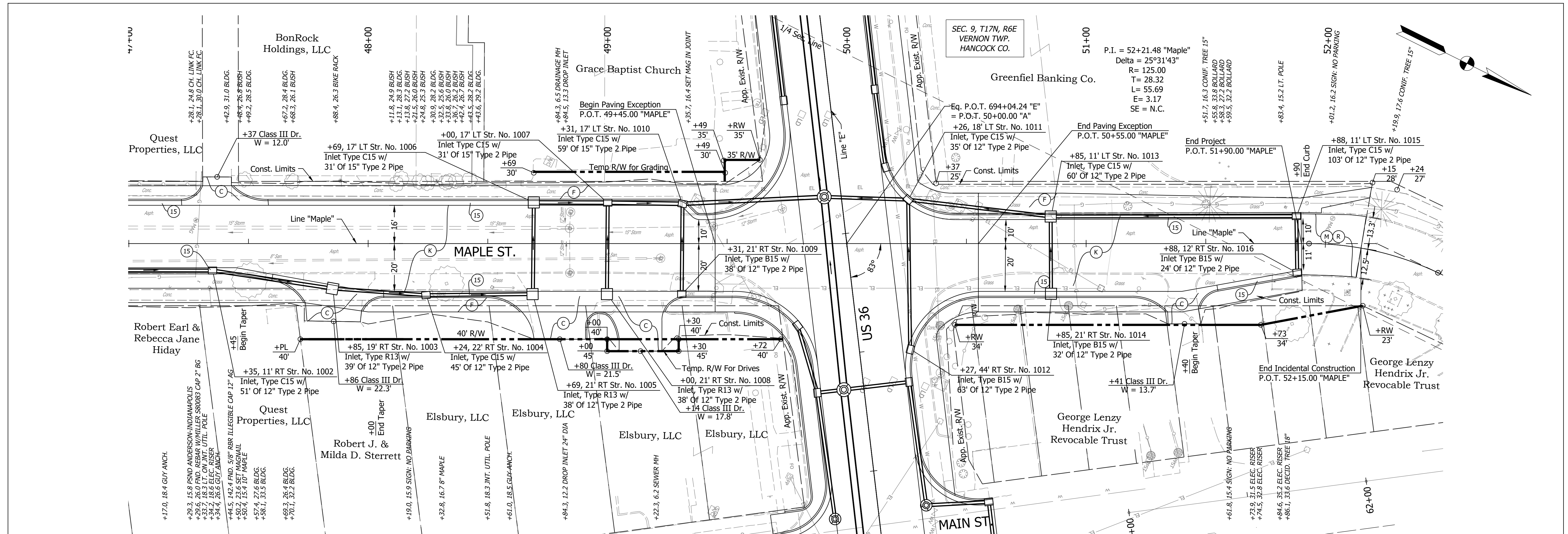
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____	MMT
CHECKED: _____	CHECKED: _____	BJA

**INDIANA
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE - LINE "MAPLE"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 6 of 24
CONTRACT R-41903	PROJECT 1702935

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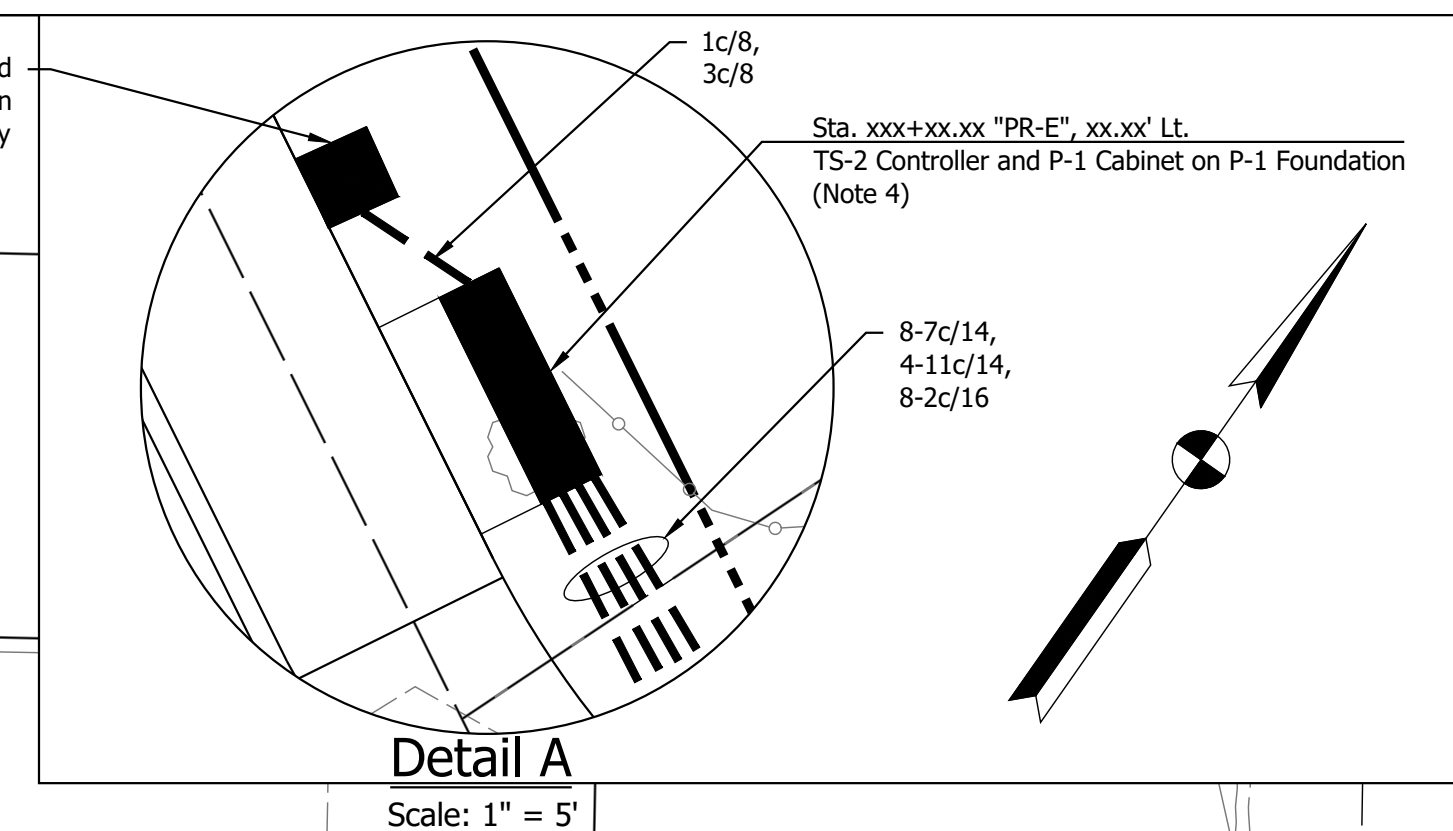
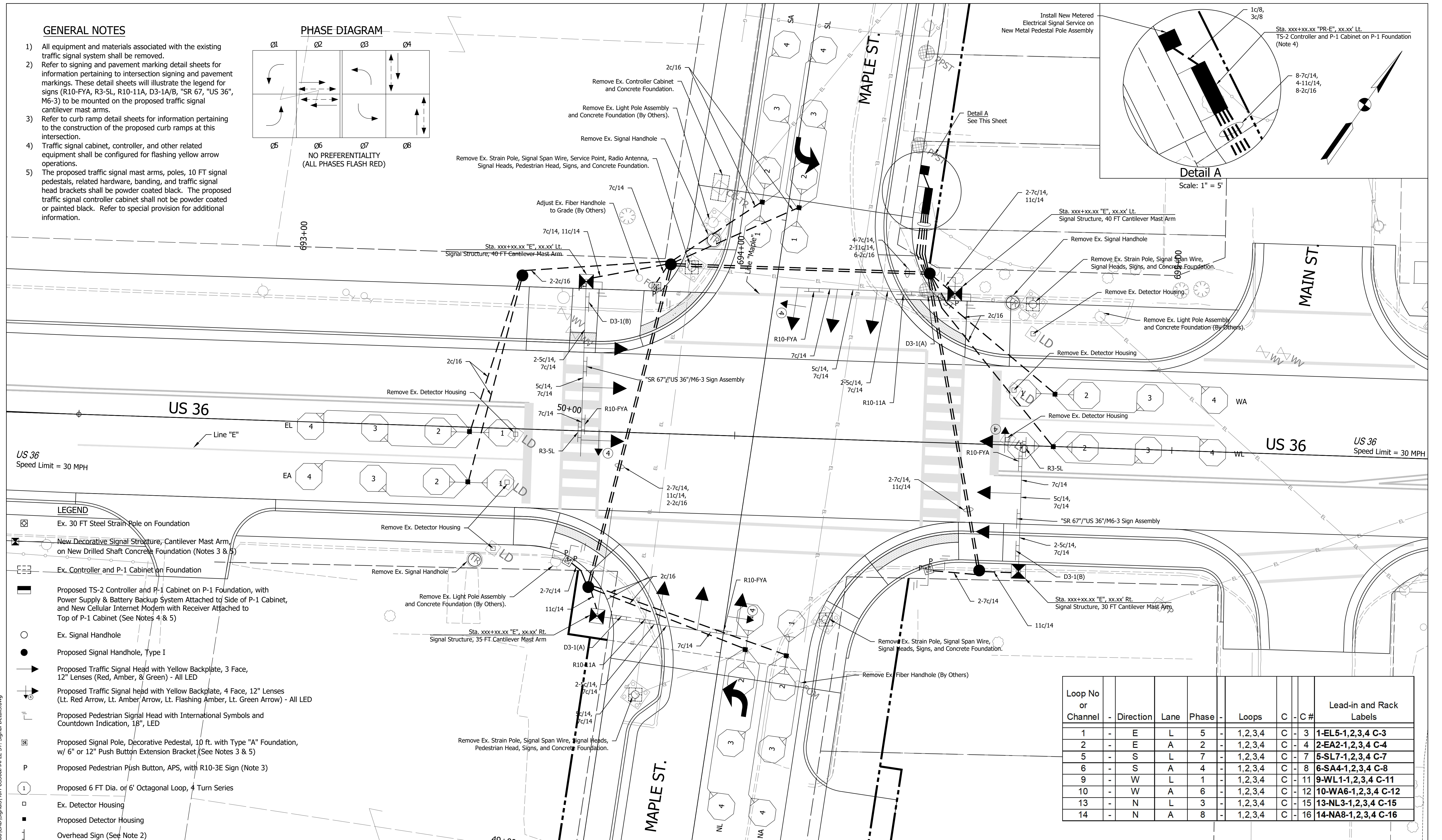
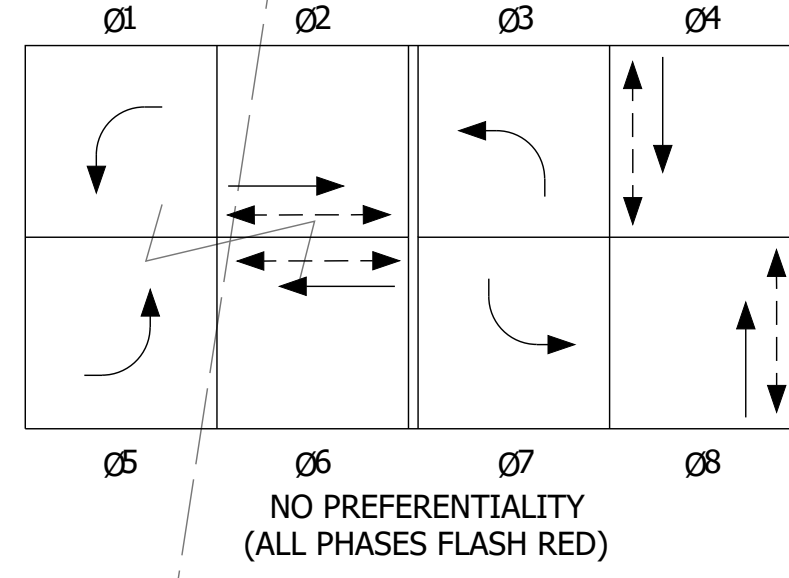
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	BRIDGE FILE N/A DESIGNATION 1702935 SHEET 7 of 24 PROJECT 1702935		

Date: Feb 07, 2022, 3:30pm User Name: MWall
 File: S:_2018\1702935\1702935\Road\CD\1702935\Plan_Sheet.dwg

GENERAL NOTES

- 1) All equipment and materials associated with the existing traffic signal system shall be removed.
- 2) Refer to signing and pavement marking detail sheets for information pertaining to intersection signing and pavement markings. These detail sheets will illustrate the legend for signs (R10-FYA, R3-5L, R10-11A, D3-1A/B, "SR 67, "US 36", M6-3) to be mounted on the proposed traffic signal cantilever mast arms.
- 3) Refer to curb ramp detail sheets for information pertaining to the construction of the proposed curb ramps at this intersection.
- 4) Traffic signal cabinet, controller, and other related equipment shall be configured for flashing yellow arrow operations.
- 5) The proposed traffic signal mast arms, poles, 10 FT signal pedestals, related hardware, banding, and traffic signal head brackets shall be powder coated black. The proposed traffic signal controller cabinet shall not be powder coated or painted black. Refer to special provision for additional information.

PHASE DIAGRAM



LEGEND

- Ex. 30 FT Steel Strain Pole on Foundation
- New Decorative Signal Structure, Cantilever Mast Arm, on New Drilled Shaft Concrete Foundation (Notes 3 & 5)
- Ex. Controller and P-1 Cabinet on Foundation
- Proposed TS-2 Controller and P-1 Cabinet on P-1 Foundation, with Power Supply & Battery Backup System Attached to Side of P-1 Cabinet, and New Cellular Internet Modem with Receiver Attached to Top of P-1 Cabinet (See Notes 4 & 5)
- Ex. Signal Handhole
- Proposed Signal Handhole, Type I
- Proposed Traffic Signal Head with Yellow Backplate, 3 Face, 12" Lenses (Red, Amber, & Green) - All LED
- Proposed Traffic Signal head with Yellow Backplate, 4 Face, 12" Lenses (Lt. Red Arrow, Lt. Amber Arrow, Lt. Flashing Amber, Lt. Green Arrow) - All LED
- Proposed Pedestrian Signal Head with International Symbols and Countdown Indication, 18", LED
- Proposed Signal Pole, Decorative Pedestal, 10 ft. with Type "A" Foundation, w/ 6" or 12" Push Button Extension Bracket (See Notes 3 & 5)
- Proposed Pedestrian Push Button, APS, with R10-3E Sign (Note 3)
- Proposed 6 FT Dia. or 6' Octagonal Loop, 4 Turn Series
- Ex. Detector Housing
- Proposed Detector Housing
- Overhead Sign (See Note 2)

Loop No or Channel	Direction	Lane	Phase	Loops	C	C #	Lead-in and Rack Labels
1	-	E	L	5	-	1,2,3,4	C-3 1-EL5-1,2,3,4 C-3
2	-	E	A	2	-	1,2,3,4	C-4 2-EA2-1,2,3,4 C-4
5	-	S	L	7	-	1,2,3,4	C-7 5-SL7-1,2,3,4 C-7
6	-	S	A	4	-	1,2,3,4	C-8 6-SA4-1,2,3,4 C-8
9	-	W	L	1	-	1,2,3,4	C-11 9-WL1-1,2,3,4 C-11
10	-	W	A	6	-	1,2,3,4	C-12 10-WA6-1,2,3,4 C-12
13	-	N	L	3	-	1,2,3,4	C-15 13-NL3-1,2,3,4 C-15
14	-	N	A	8	-	1,2,3,4	C-16 14-NA8-1,2,3,4 C-16

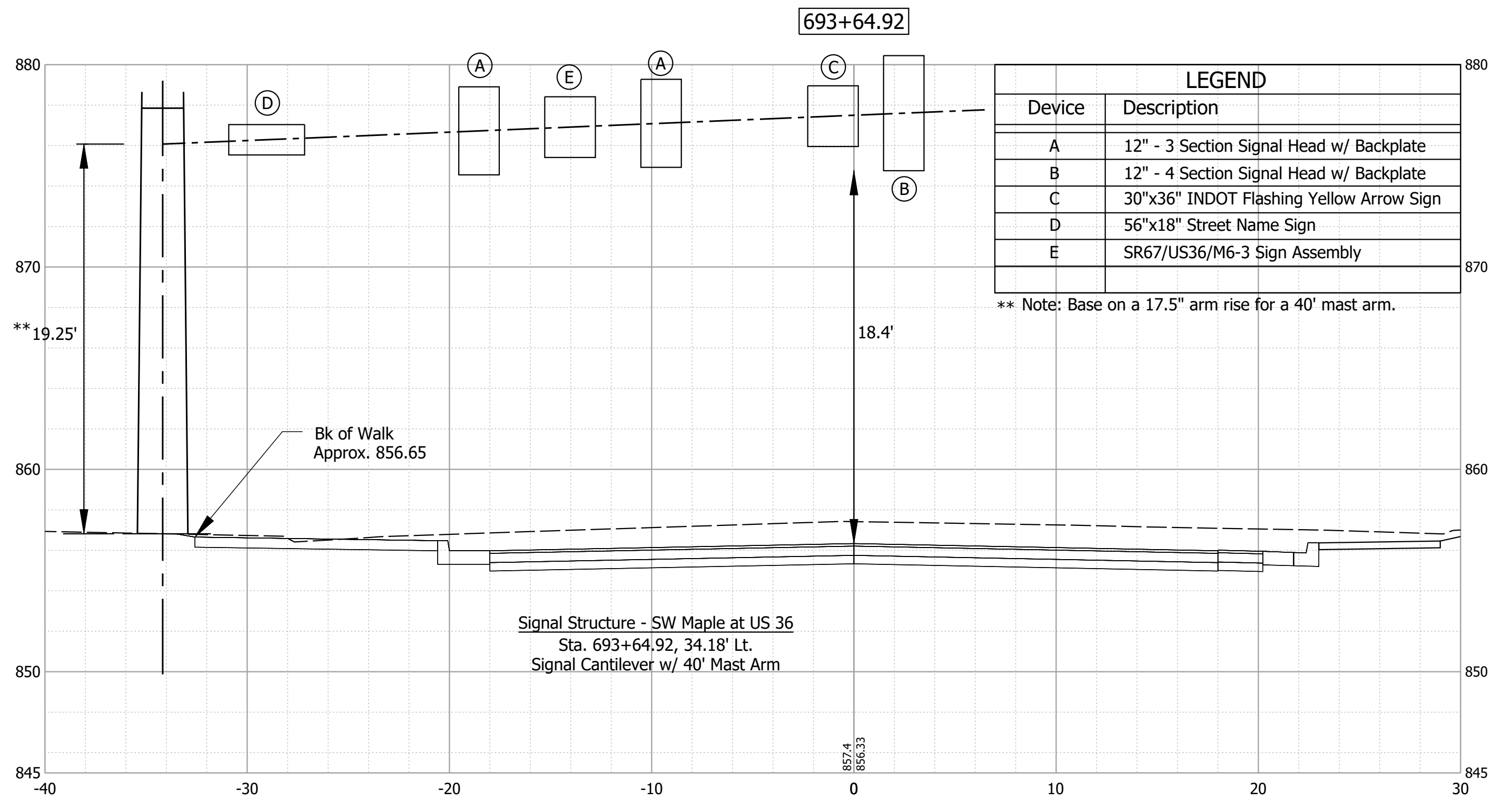
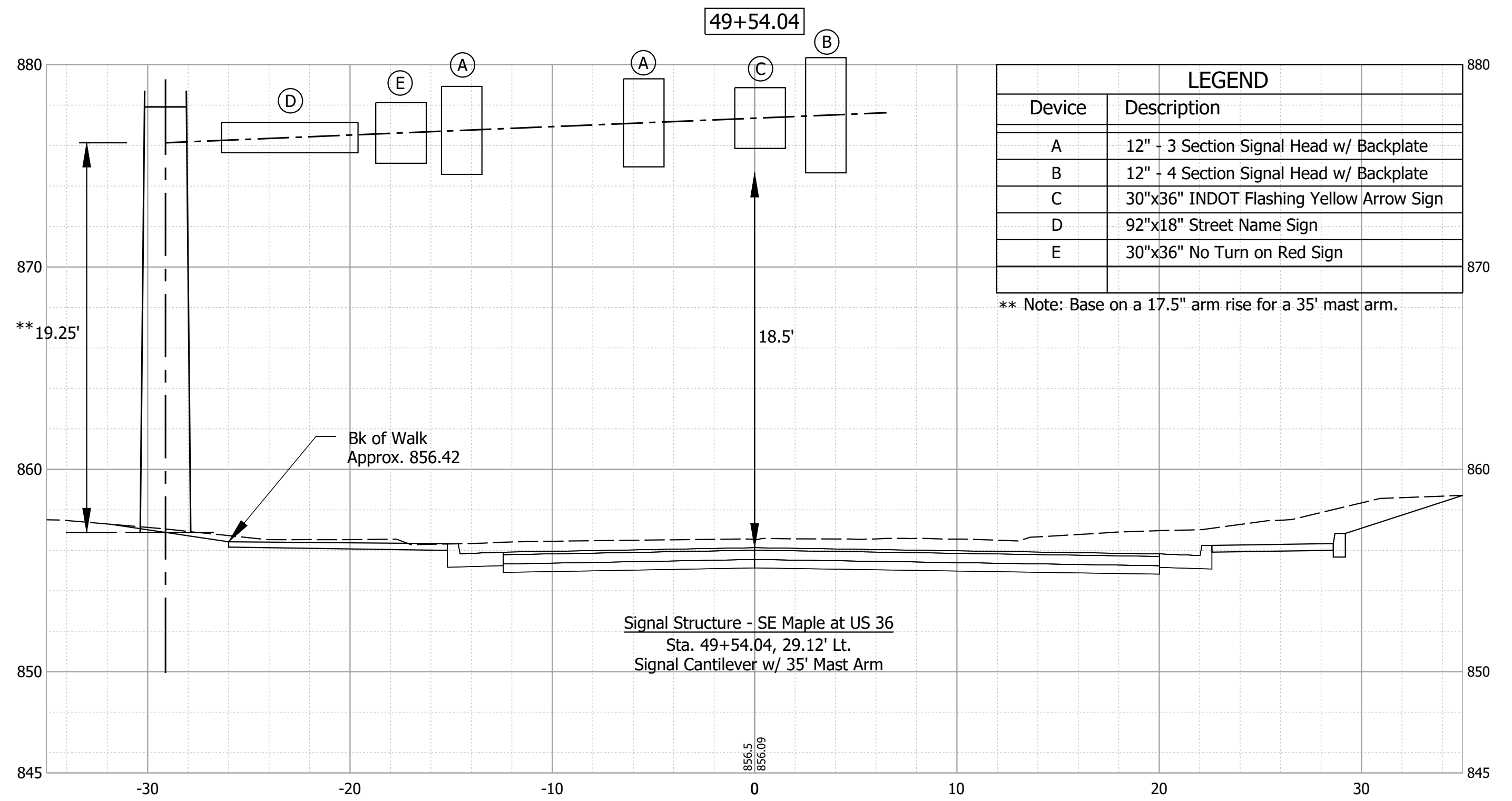
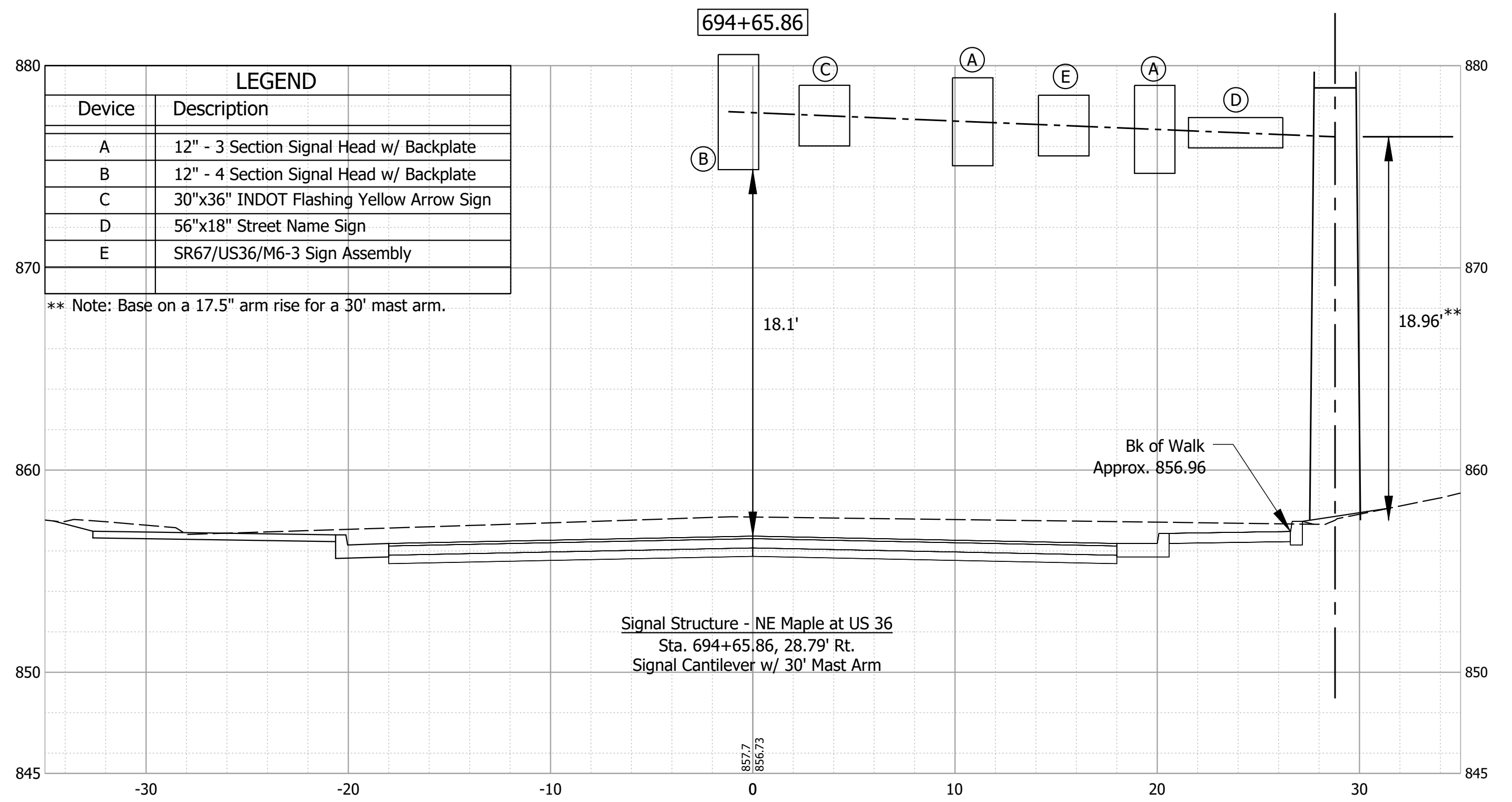
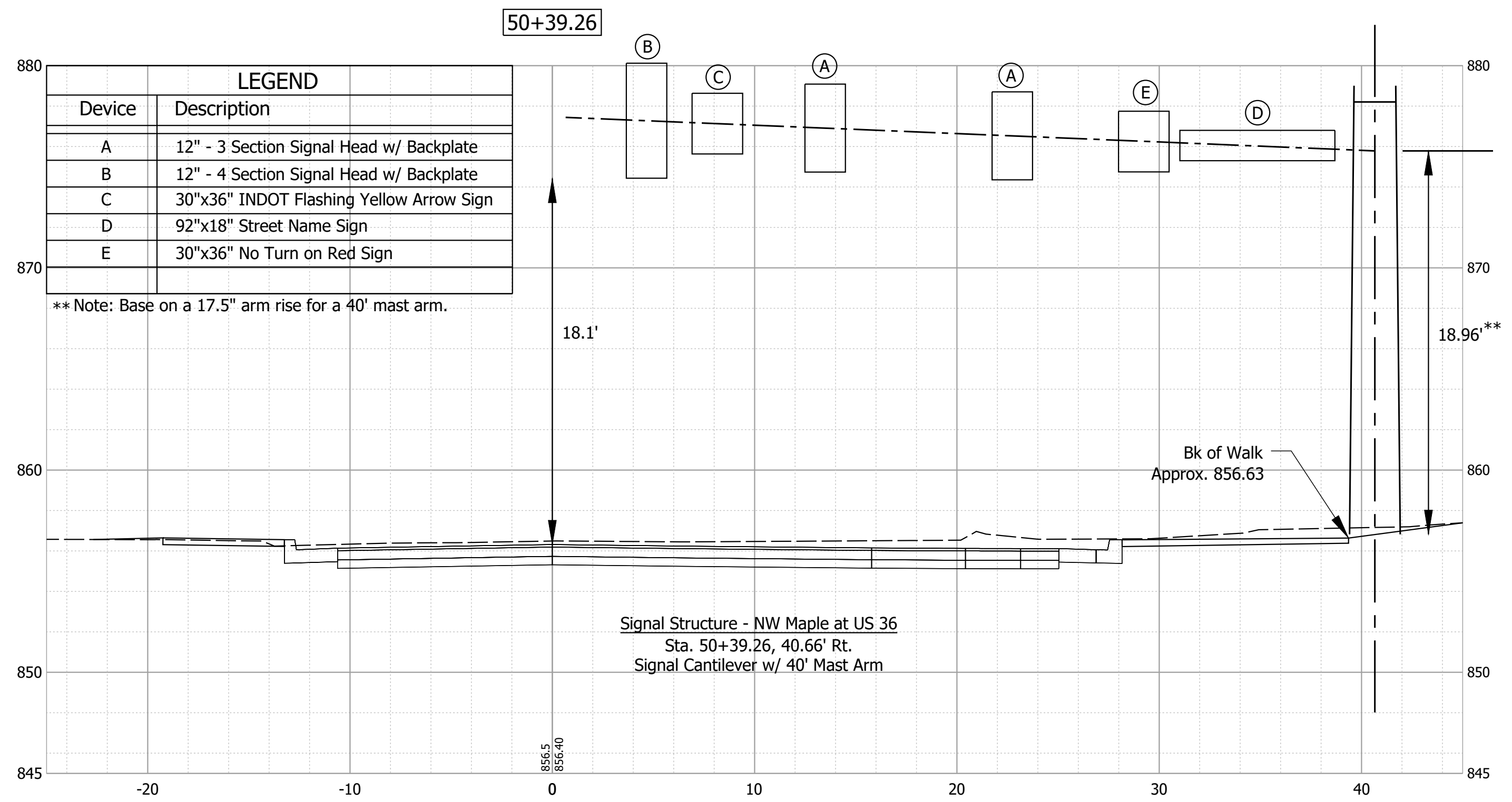
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	01/18/22	DATE
DESIGNED: NMN	DRAWN: NMN		
CHECKED: TWK	CHECKED: TWK		

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL MODERNIZATION US 36 & MAPLE ST.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702935
SURVEY BOOK	SHEET
ELECTRONIC	8 of 24
CONTRACT	PROJECT
R-41903	1702935



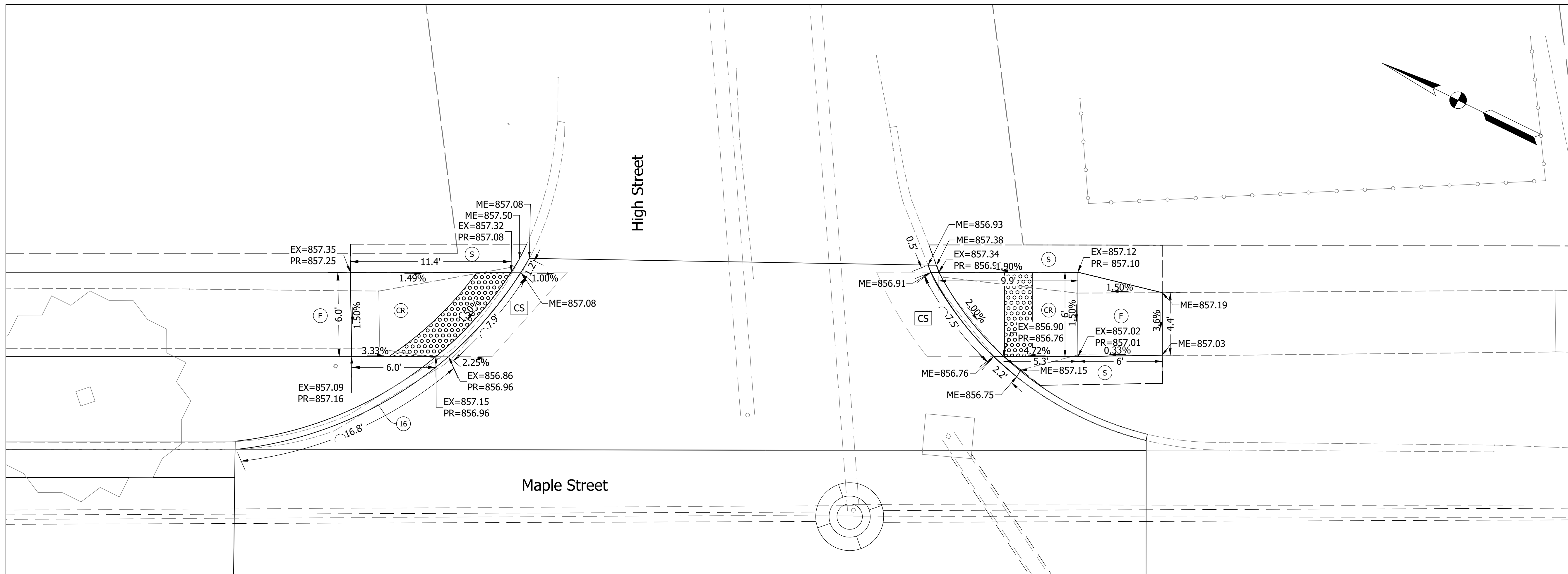
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	12/27/2021	DATE
DESIGNED: JAF	DRAWN: MDV		
CHECKED: NAW	CHECKED: JAF		

**INDIANA
DEPARTMENT OF TRANSPORTATION**

SIGNAL DETAILS

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE -
VERTICAL SCALE 1" = 5'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 9 of 24
CONTRACT R-41903	PROJECT 1702935



Note:
Curb Ramp Details along US 36
are included in Des. No. 1700803

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (S) Sodding, Nursery
- (16) Curb, Concrete
- (CS) Clear Space
- (16) Detectible Warning Surface

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE ____/____/____	DESIGNED: _____ MDV _____ DRAWN: _____ EMM _____ CHECKED: _____ BKA _____ CHECKED: _____ BKA _____
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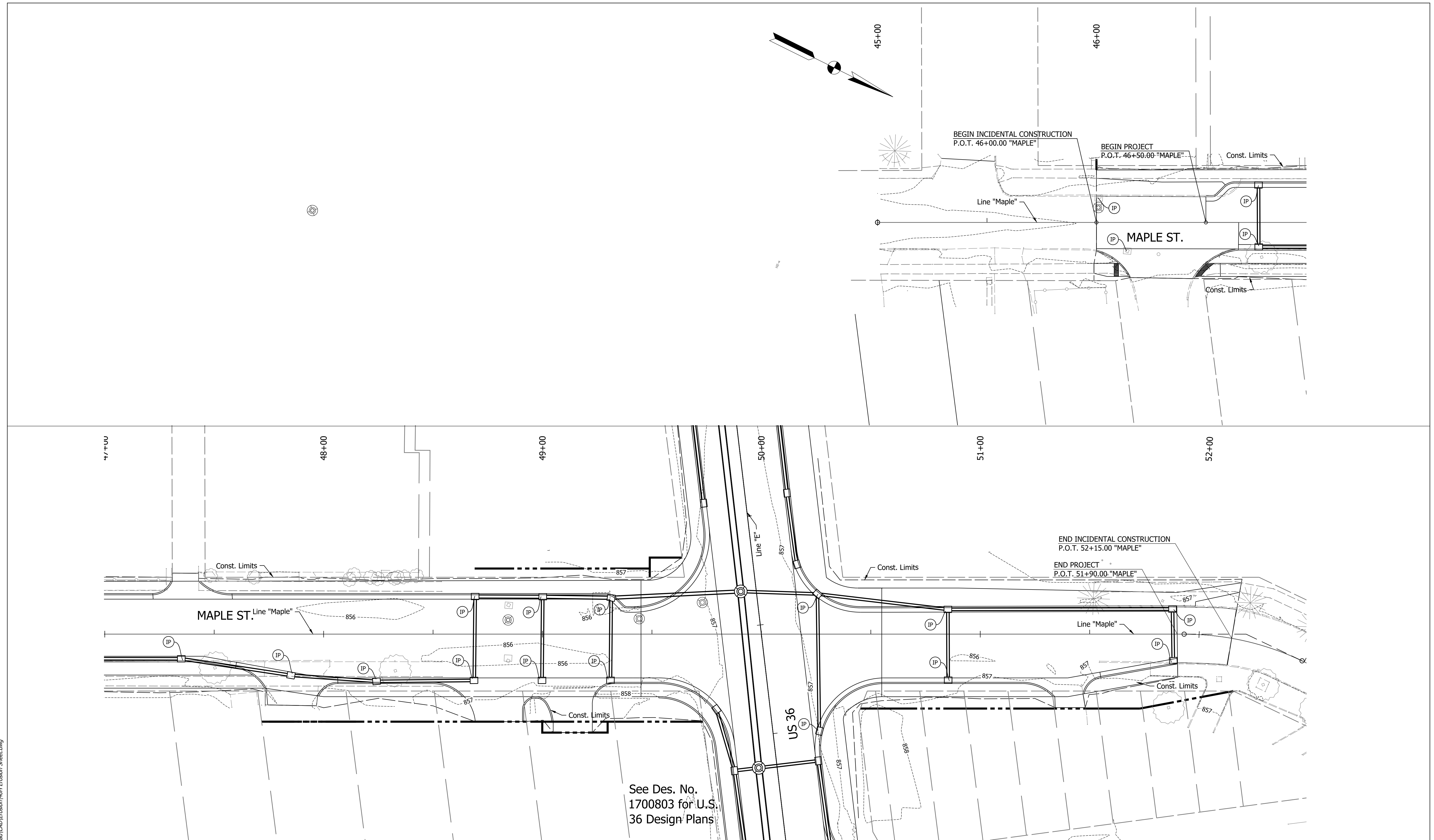
**INDIANA
DEPARTMENT OF TRANSPORTATION**

CURB RAMP DETAILS

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 20'	DESIGNATION 1700803 & 1901985
SURVEY BOOK ELECTRONIC	SHEET 11 of 24
CONTRACT R-41903	PROJECT 1700803

Date: Feb 07, 2022, 3:52pm User Name: MWall
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Date: Feb 07, 2022, 3:58pm User Name: MWall
 File: S:_2018\218-0015\04\Road\CAD\Erosion\404 Erosion Sheet.dwg



See Des. No.
 1700803 for U.S.
 36 Design Plans

IP Inlet Protection

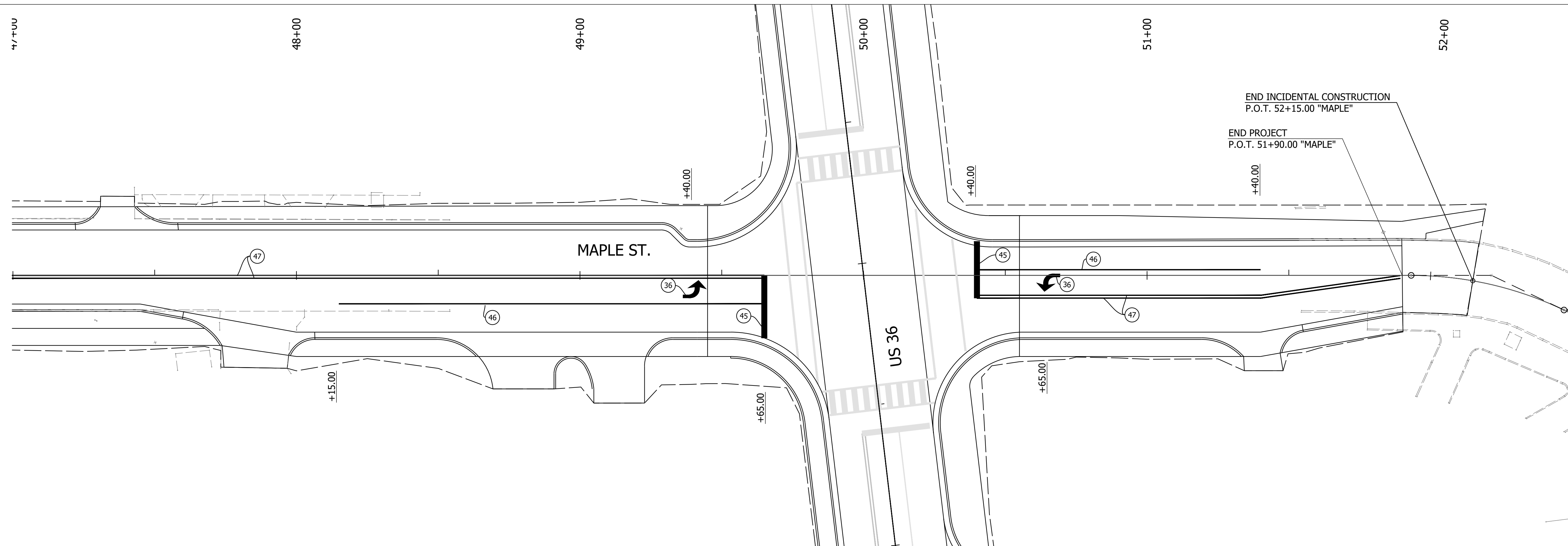
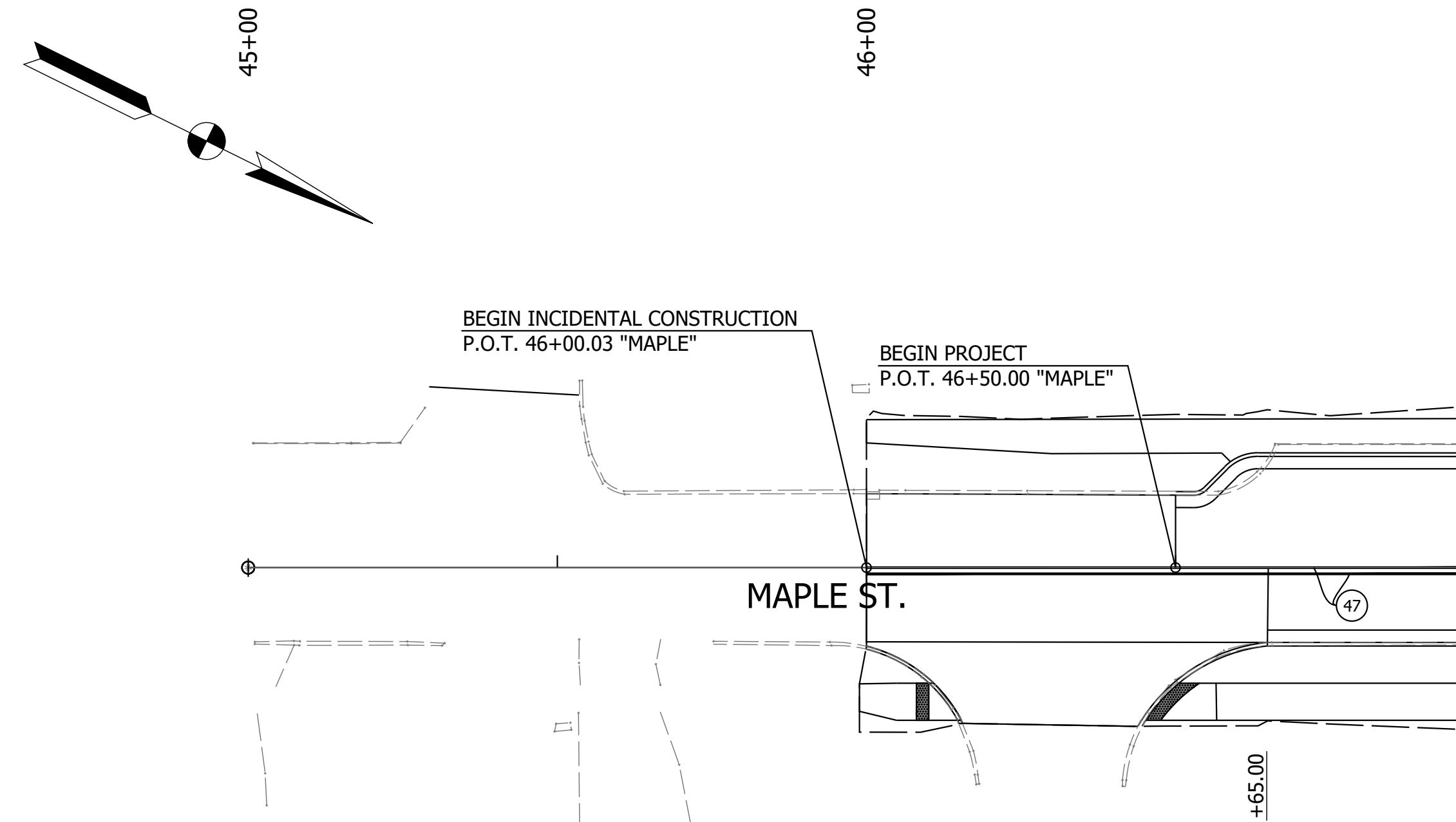
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

INDIANA
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 20'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	12 of 24
CONTRACT	PROJECT
R-41903	1700803

PAVEMENT MARKINGS SUMMARY OF QUANTITIES													
LOCATION	Line, Thermoplastic			Transverse Marking, Thermoplastic, Crosshatch Line		Transverse Marking, Thermoplastic, Stop Line,		PAVEMENT MESSAGE MARKING, THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, R X R	PAVEMENT MESSAGE MARKING, THERMOPLASTIC ONLY	MILLED HMA CORRUGATIONS, SINUSOIDAL	Remarks	
	Solid White 4 IN.	Solid Yellow 4 IN.	Broken White 5 IN.	Yellow 12 IN.	Yellow 24 IN.	White 12 IN.	White 24 IN.						
	ft	ft	ft	ft	ft	ft	ft						
Line PR-A													
46+50.00 to 49+65.00		315											
47+65.37 to 49+65.00	200						22	1					
50+40.00 to 51+90.00		150					20	1					
50+40.00 to 50+90.00	50												
TOTAL	250	465					42	2					



Date: Feb 07, 2022, 4:04pm User Name: MWall
 File: S:_2018\218-0015\40H\Road\CHD\Signs\pym\Mark\40H_Signs\pym\Mark.dwg

- (36) Pavement Message Marking, Thermoplastic, Lane Indication Arrow
- (45) Transverse Marking, Thermoplastic, Stop Bar, 24"
- (46) Line, Thermoplastic, Solid, White, 4"
- (47) Line, Thermoplastic, Solid, Yellow, 4"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 20'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	13 of 24
CONTRACT	PROJECT
R-41903	1700803

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	LOCATION/ DESCRIPTION	OFFSET	WIDTH	LENGTH	RADIUS	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE				EXCAVATION		CLEAR ZONE AT DRIVE	HMA FOR APPROACHES		PCCP FOR APPROACHES, 9 IN.	HMA MATERIALS					JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	ASPHALT FOR TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53		COMPACTED AGGREGATE NO. 53	SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE ID	DENSE GRADED SUBBASE, 6 IN. DEPTH	GEOGRID, TYPE IB	MILLING, ASPHALT 1 1/2 IN	REMARKS
							COMPACTED AGGREGATE BASE	HMA	CONCRETE	1	2	3	4	CUT	FILL		LBS. PER SYD.	LBS. PER SYD.		165	275	330	330	300					DEPTH, IN.	DEPTH							
							FT	FT	FT	FT	FT	FT	SYS	SYS	SYS		%	%		%	%	CYS	CYS	FT					SYS	SYS							
Mainline																																					
	46+00.00			50.0															11					50		50	0.1							134			
	46+50.00			15.0															2					15		15	0.1							20			
	46+50.00			15.0															2	3	4	5	4		15	15	0.1		3		39						
	46+65.00			80.0															20	32	39	47	43	80	80	80	0.5		32		321						
	47+45.00			55.0															16	27	32	38	34	55	55	55	0.3		26		252						
	48+00.00			129.0															43	71	86	100	91	129	129	129	0.8		67		658						
	49+29.00			16.0															5	9	10	12	11	16	16	16	0.1		8		79						
	50+55.00			85.0															24	39	47	57	51	85	85	85	0.5		38		380						
	51+40.00			50.0															12	20	24	30	27	50	50		0.2		20		200						
	51+90.00			25.0															6					25			0.1							73			
Drives																																					
	47+40.00	Class III	Lt	11.3															22										22		4	22					
	47+87.00	Class III	Rt	22.0															44										44		8	44					
	51+40.00	Class III	Lt	12															27										27		5	27					
Total																																					
																			93	141	201	242	289	261	505	430	445	3.0		194	93	1929	17	93	227		

Date: Feb 07, 2022, 4:04pm User Name: Mjoll
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE --/--	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
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DESIGNED: _____ MDV DRAWN: _____ MDV	SUMMARY TABLE		VERTICAL SCALE	DESIGNATION
CHECKED: _____ BKA CHECKED: _____ BKA			N/A	1702935
			SURVEY BOOK	SHEET
		14 of 24		
		CONTRACT	PROJECT	
		R-41903	1702935	

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	SKEW	FLOW LINE				SERVICE LIFE YR	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL		REVTMENT RIPRAP TONS	CONCRETE CLASS A FOR STR. CYS	VIDEO INSPECTION LFT	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION			REMARKS						
	STATION	LEFT	CROSS	RIGHT					SIZE IN.	COVER	UP STREAM	DOWN STREAM					TYPE	CYS					TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		TYPE	SLOPE	EA.			
																																	LFT	FT	ELEV.
Line "Maple"																																			
1000	46+74.00	X			12.00	2				39.0			1.09	852.85	852.70	75																			
1001	46+74.00		X		12.00	2				40.0			1.31	852.68	852.36	75																			
1002	47+35.00		X		12.00	2				39.0			1.40	852.34	852.07	75																			
1003	47+85.00		X		12.00	2				42.0			1.42	852.05	851.84	75																			
1004	48+24.00		X		12.00	2				39.0			1.50	851.82	851.58	75																			
1005	48+69.00		X		12.00	2				29.0			1.71	851.56	851.36	75																			
1006	48+69.00	X			15.00	2				39.0			1.86	851.11	850.98	75																			
1007	49+00.00	X			15.00	2				39.0			2.11	850.96	850.83	75																			
1008	49+00.00		X		12.00	2				36.0			1.10	852.11	851.90	75																			
1009	49+31.00		X		12.00	2				43.0			1.23	852.10	851.90	75																			
1010	49+31.00	X			15.00	2				39.0			2.57	850.81	850.55	75																			
1011	50+25.00	X			12.00	2				39.0			2.55	851.08	850.90	75																			
1012	50+25.00		X		12.00	2				37.0			1.32	852.40	852.05	75																			
1013	50+85.00	X			12.00	2				38.0			2.33	851.42	851.10	75																			
1014	50+85.00		X		12.00	2				35.0			1.16	852.57	852.40	75																			
1015	51+90.00	X			12.00	2				38.0			2.13	851.95	851.44	75																			
1016	51+90.00		X		12.00	2				42.0			1.01	852.95	852.82	75																			

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE --/--	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
			N/A	N/A
DESIGNED: _____ MDV	DRAWN: _____ MDV		VERTICAL SCALE	DESIGNATION
			N/A	1702935
CHECKED: _____ BKA	CHECKED: _____ BKA		SURVEY BOOK	SHEET
				15 of 24
			CONTRACT	PROJECT
			R-41903	1702935

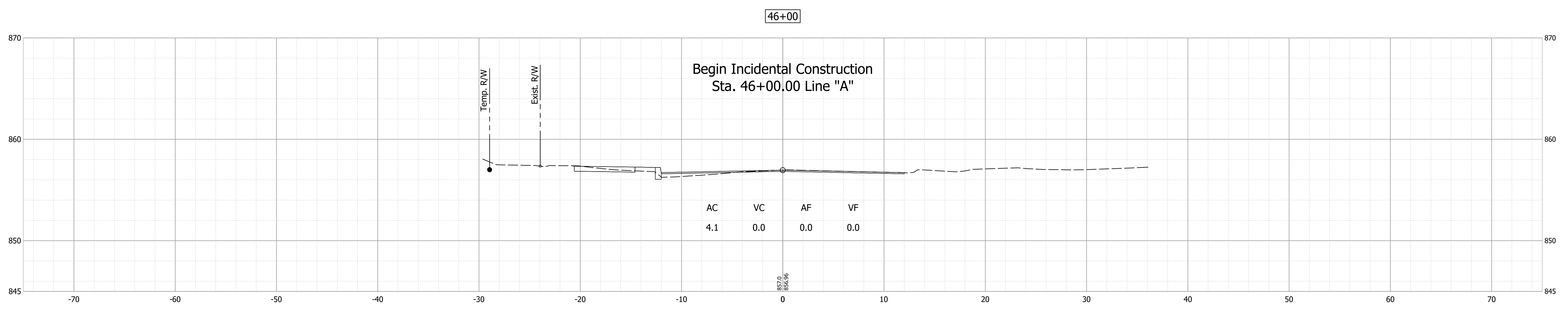
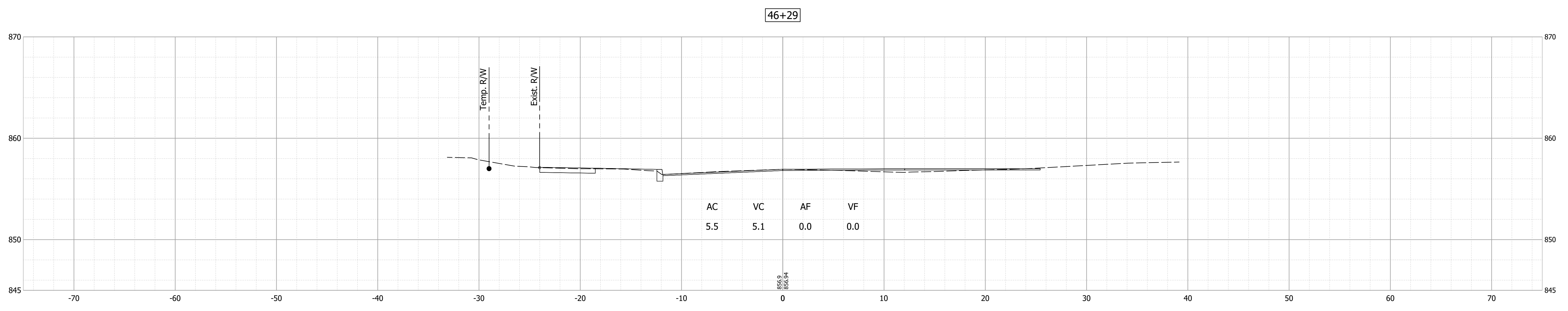
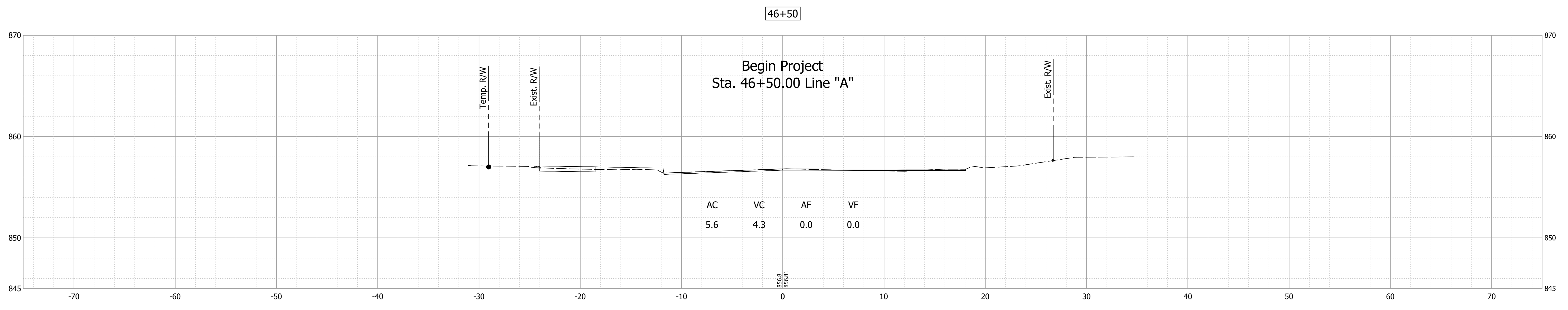
STRUCTURE DATA TABLE

Date: Feb 07, 2022, 4:04pm User Name: Mjoll
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		STRUCTURE NUMBER																								
		1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016								
PIPE TYPE / SHAPE		2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 15.00"	2 / Circular 15.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 15.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"	2 / Circular 12.00"								
SMOOTH PIPE SIZE																										
CORRUGATED PIPE SIZE																										
RCP/RCHP (S)	CLASS	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II								
	D _o RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000								
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			X	X	X	X	X	X	X			X	X	X	X	X	X	X								
CORRUGATED PE PIPE, TYPE S (S)*									X			X	X	X	X	X	X	X								
RIBBED PE PIPE (S)*									X			X	X	X	X	X	X	X								
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR									X / 26			X / 26	X / 26		X / 26		X / 26									
PROFILE WALL PVC PIPE (S)									X			X	X		X		X									
SMOOTH WALL PVC PIPE (S)*									X			X	X		X		X									
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			X	X	X	X	X	X	X		X	X	X	X	X	X	X	X								
FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS																									
ZINC COATED (C)	CORR. PROFILE THICKNESS																									
ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																									
ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																									
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																									
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE THICKNESS																									
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE THICKNESS																									
POLYMER PRECOATED GALVANIZED	CORR. PROFILE THICKNESS																									
CORRUGATED STEEL PIPE TYPE 1A (S)	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 (C)	CORR. PROFILE THICKNESS																									
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE THICKNESS																									
STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE THICKNESS																									
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE THICKNESS																									
STR. PLATE STEEL PIPE (C)	CORR. PROFILE THICKNESS **																									
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE THICKNESS **																									

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		--/--		DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
								N/A	N/A
DESIGNED: MDV	DRAWN: MDV						PIPE MATERIAL TABLE	VERTICAL SCALE	DESIGNATION
						N/A		1702935	
						SURVEY BOOK		SHEET	
						16		of 24	
						CONTRACT	PROJECT		
						R-41903	1702935		

Date: Feb 07, 2022 4:07pm User Name: MWall
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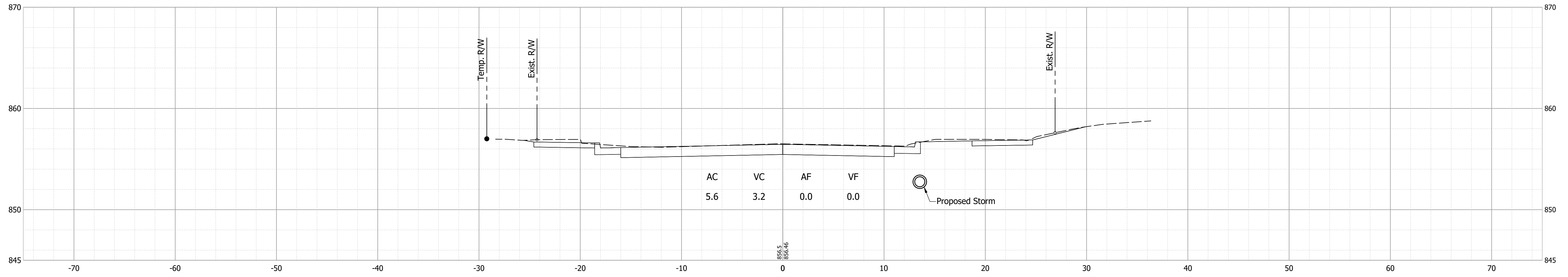
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

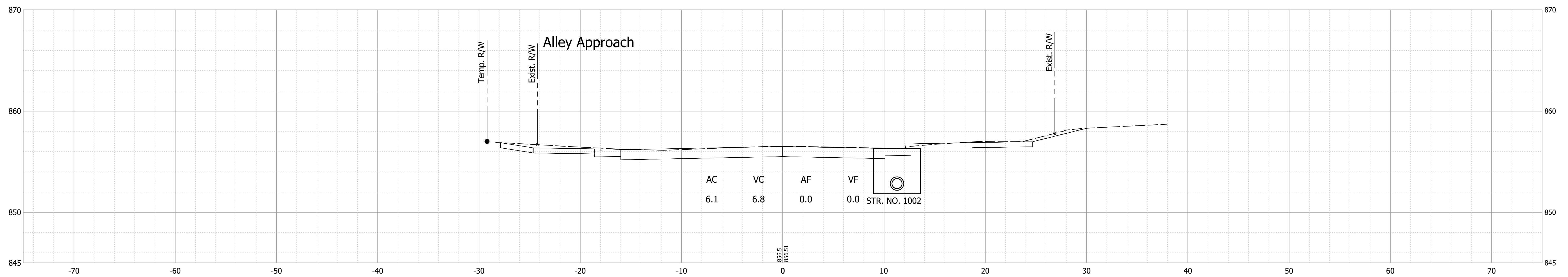
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HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 17 of 24
CONTRACT R-41903	PROJECT 1702935

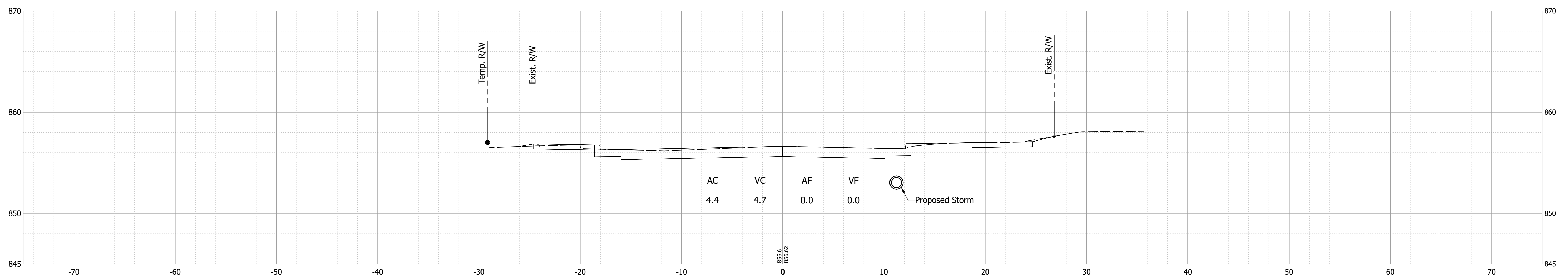
47+50



47+35.06



47+00



Date: Feb 07, 2022 4:07pm User Name: MWall
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RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

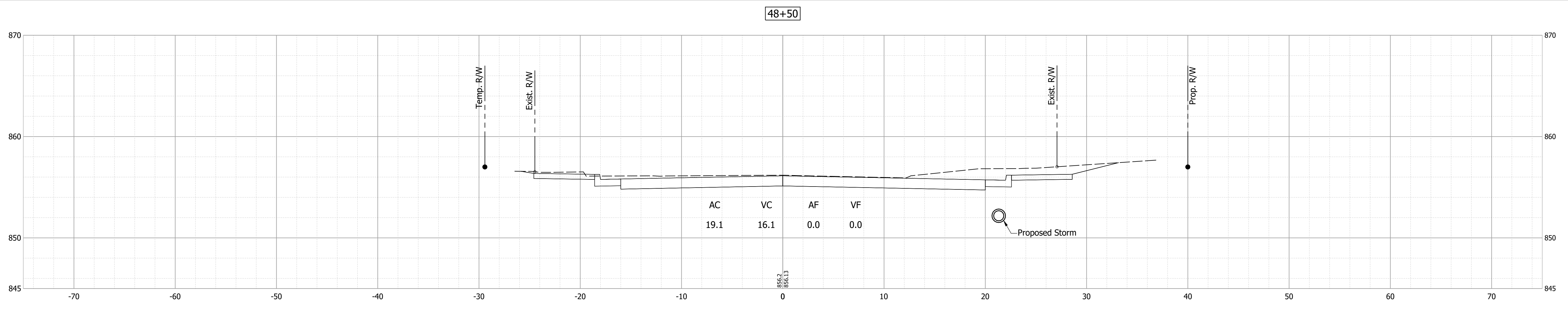
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INDIANA
DEPARTMENT OF TRANSPORTATION

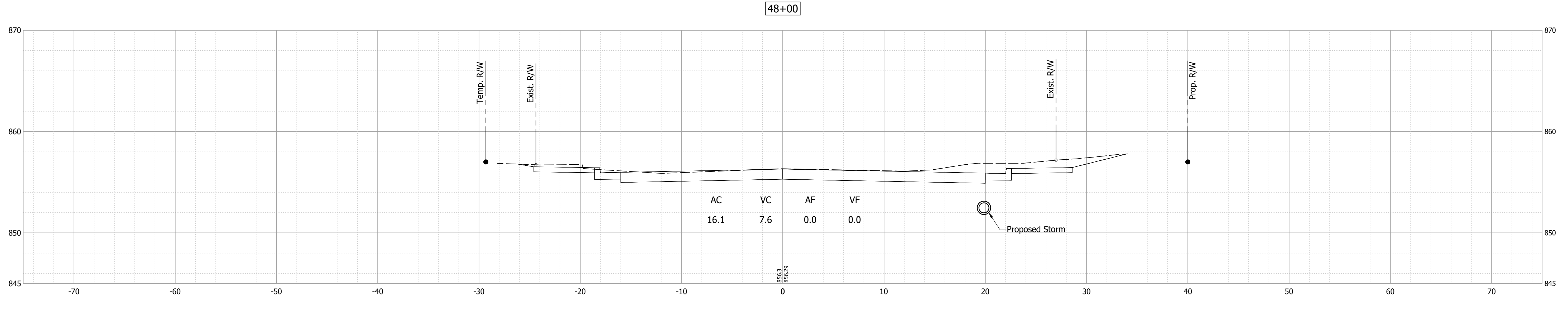
CROSS SECTIONS - LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702935
SURVEY BOOK	SHEET
ELECTRONIC	18 of 24
CONTRACT	PROJECT
R-41903	1702935

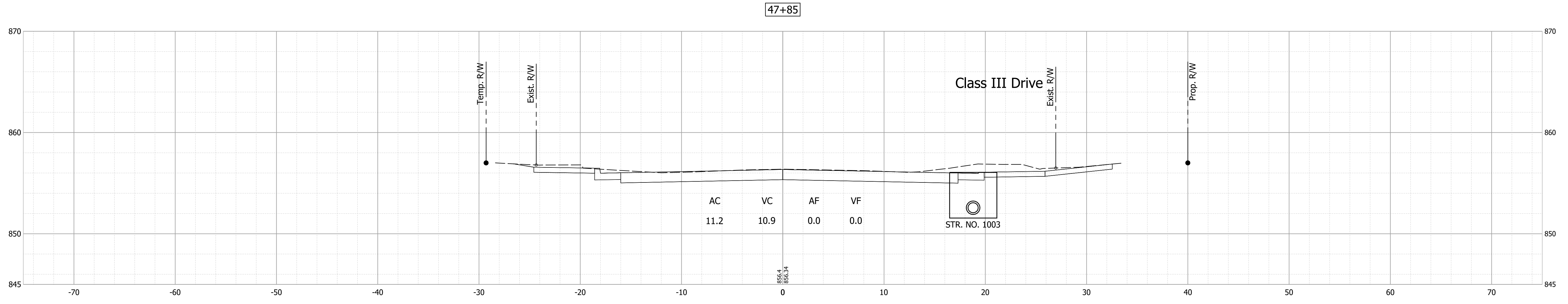
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48+50



48+00



47+85

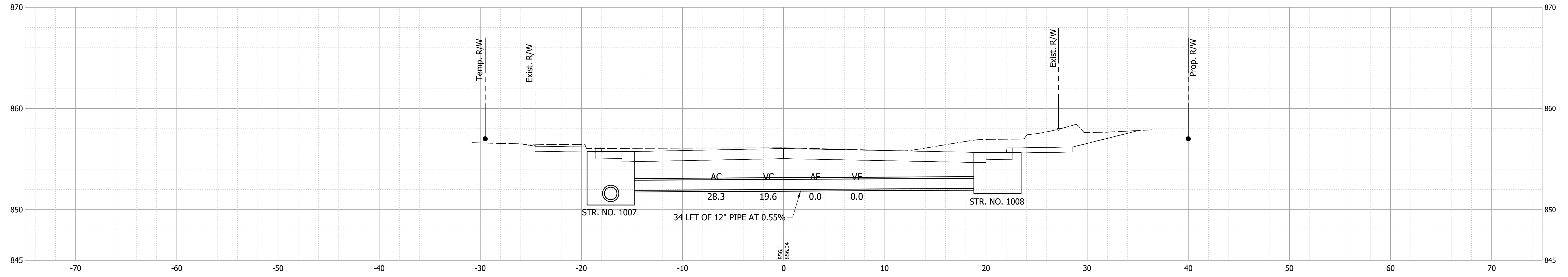
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DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

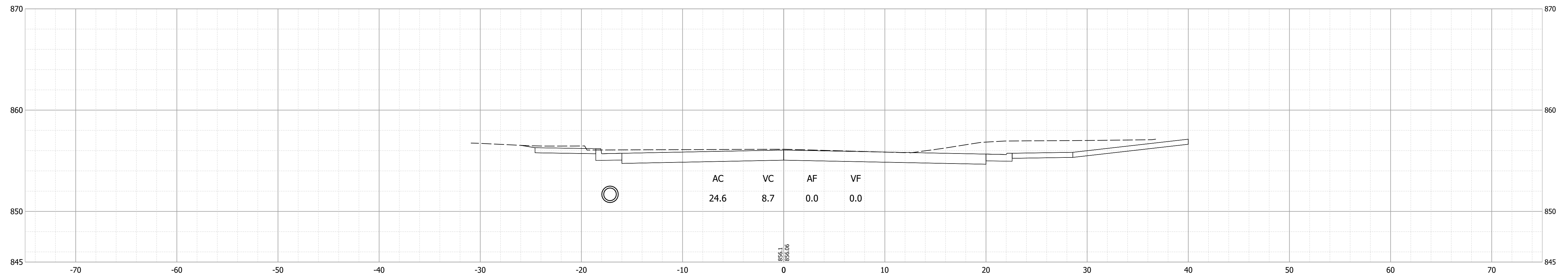
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VERTICAL SCALE 1" = 5'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 19 of 24
CONTRACT R-41903	PROJECT 1702935

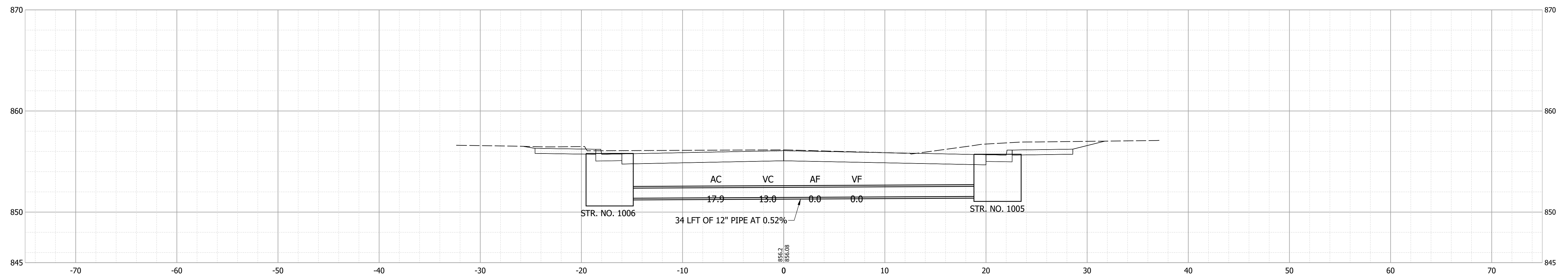
49+00



48+80



48+69



Date: Feb 07, 2022 4:07pm User Name: MWall
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

DESIGNED: MDV DRAWN: MDV

CHECKED: BKA CHECKED: BKA

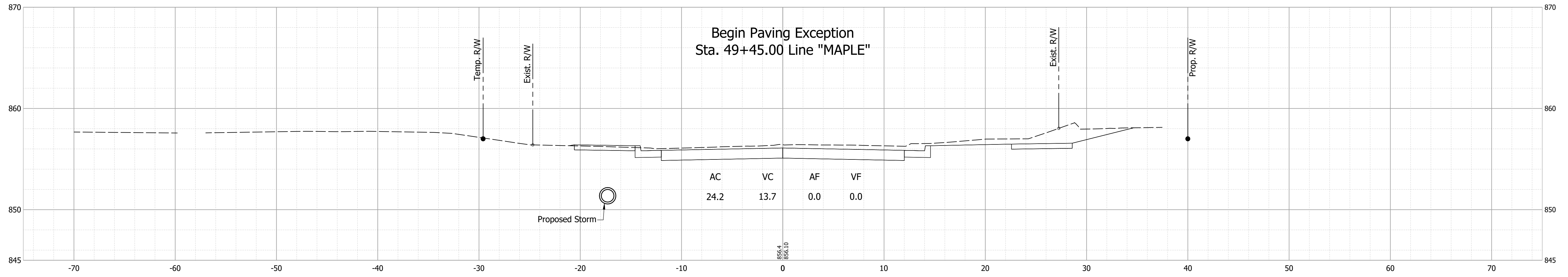
INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - LINE "A"

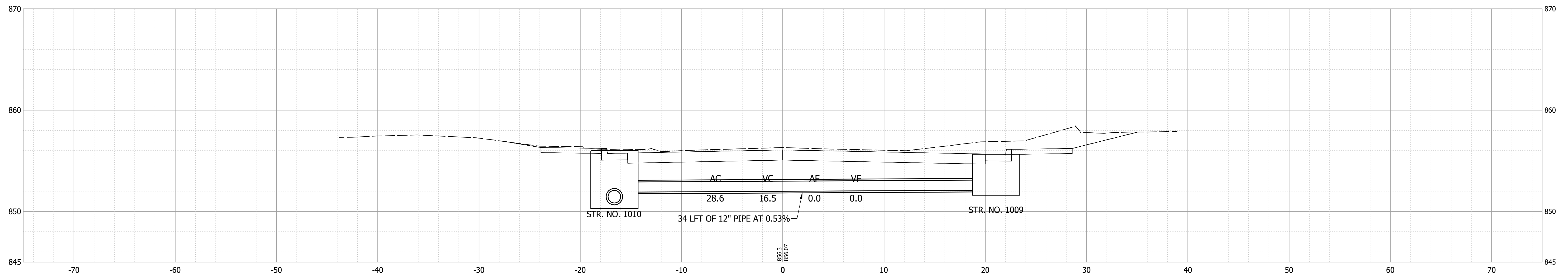
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702935
SURVEY BOOK	SHEET
ELECTRONIC	20 of 24
CONTRACT	PROJECT
R-41903	1702935

49+45

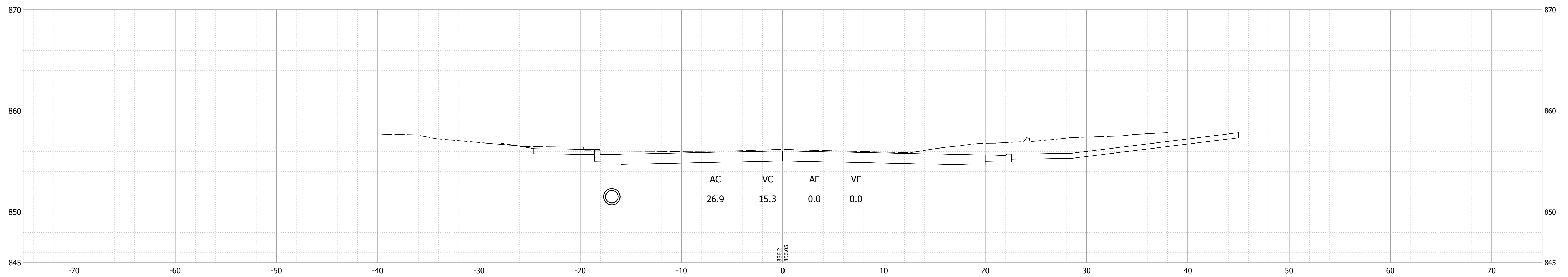
Begin Paving Exception
Sta. 49+45.00 Line "MAPLE"



49+31



49+15



Date: Feb 07, 2022 4:07pm User Name: MWall
File: S:_L_2018\218-0015\QPI\Road\CAD\CrossSect\SH Cross Sections.dwg

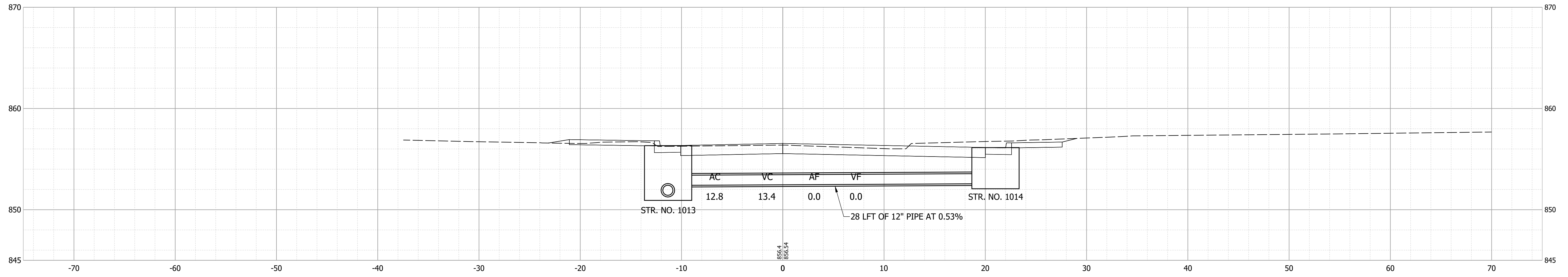
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

INDIANA
DEPARTMENT OF TRANSPORTATION

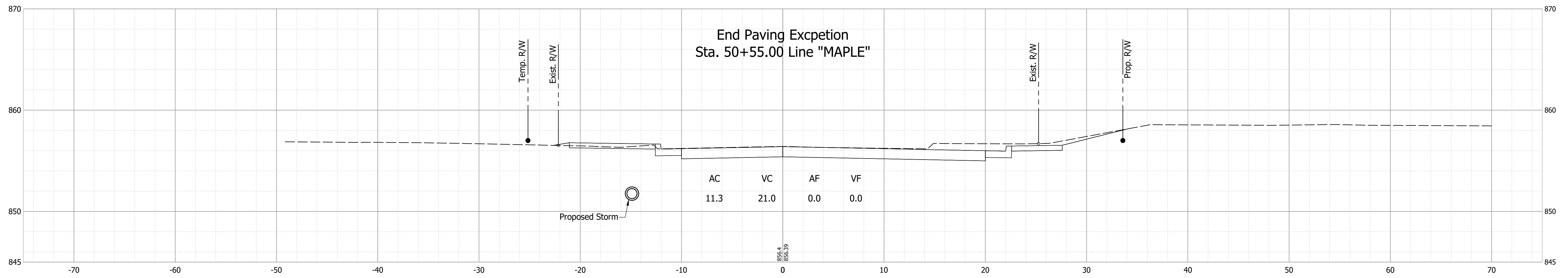
CROSS SECTIONS - LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702935
SURVEY BOOK	SHEET
ELECTRONIC	21 of 24
CONTRACT	PROJECT
R-41903	1702935

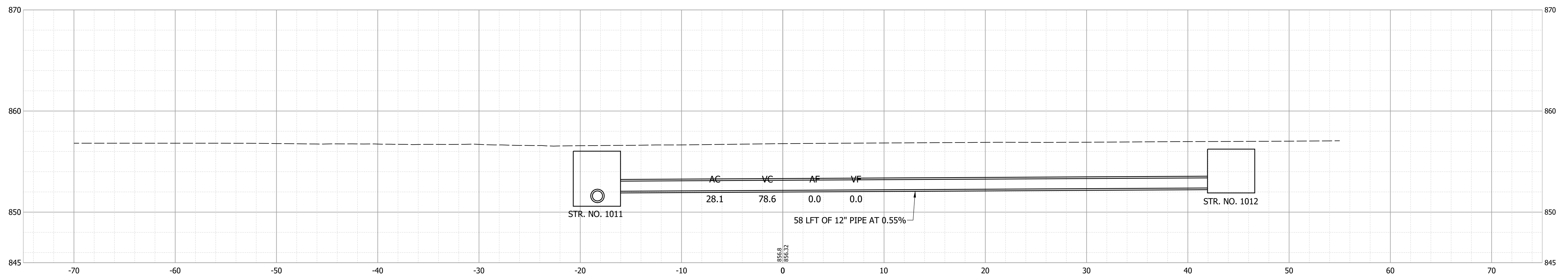
50+85



50+55



50+26.15



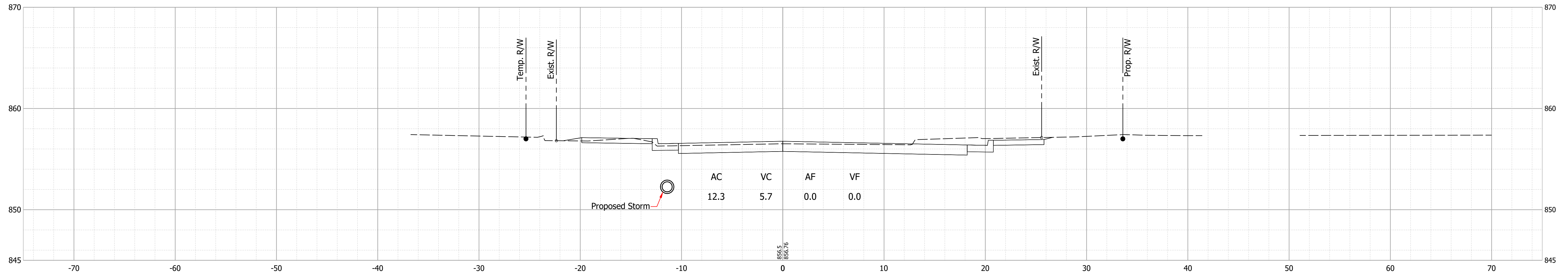
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

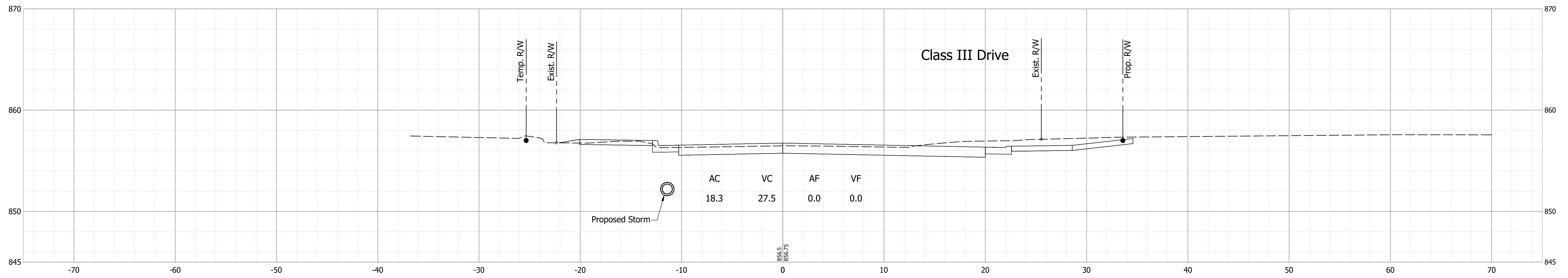
CROSS SECTIONS - LINE "A"

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VERTICAL SCALE 1" = 5'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 21 of 24
CONTRACT R-41903	PROJECT 1702935

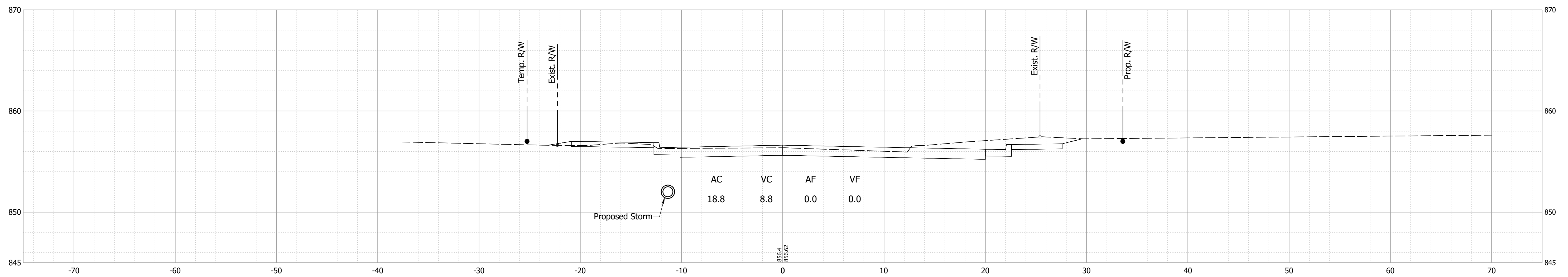
51+50



51+40



51+00



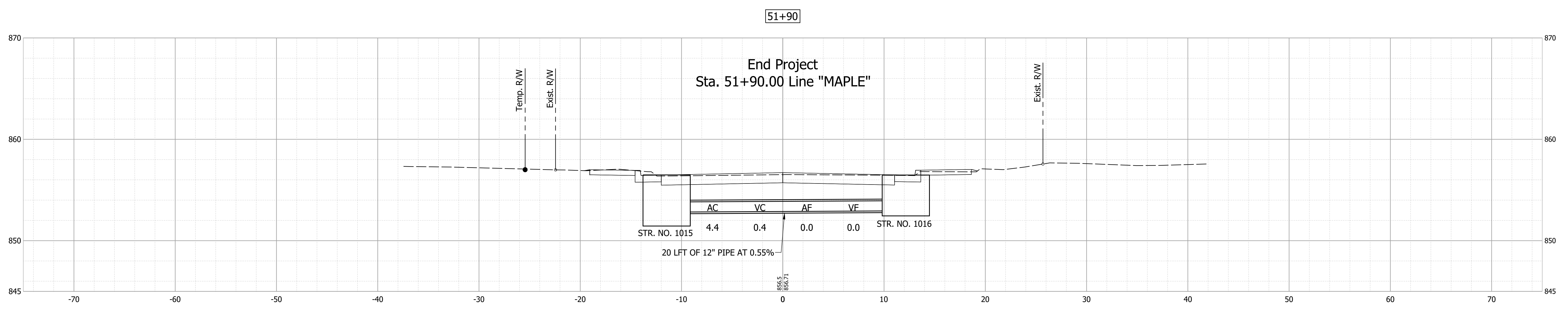
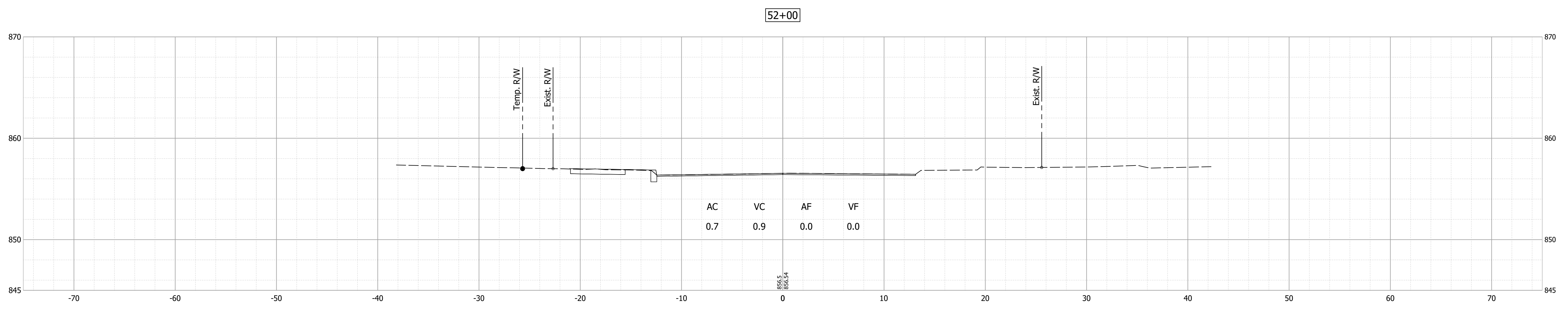
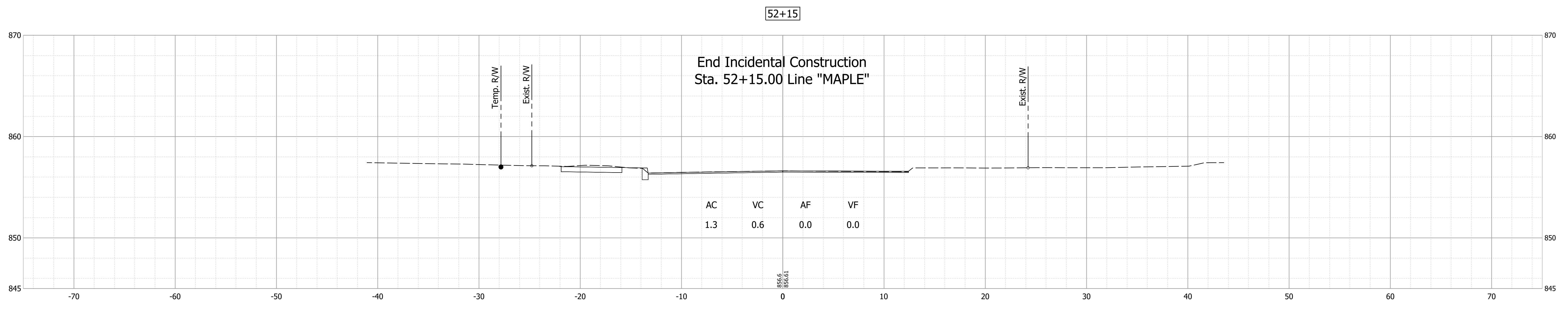
Date: Feb 07, 2022 4:07pm User Name: MWall
File: S:_L_2018\218-0015\QPI\Road\CAD\CrossSection\SH Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

INDIANA DEPARTMENT OF TRANSPORTATION	
CROSS SECTIONS - LINE "A"	

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 5'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 21 of 24
CONTRACT R-41903	PROJECT 1702935

Date: Feb 07, 2022 4:07pm User Name: MWall
 File: S:_L_2018\218-0015\Road\CAD\CrossSection\SH Cross Sections.dwg



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE ____/____/____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
		1" = 5'	N/A
DESIGNED: MDV DRAWN: MDV CHECKED: BKA CHECKED: BKA	CROSS SECTIONS - LINE "A"	VERTICAL SCALE	DESIGNATION
		1" = 5'	1702935
		SURVEY BOOK	SHEET
		ELECTRONIC	21 of 24
		CONTRACT	PROJECT
		R-41903	1702935