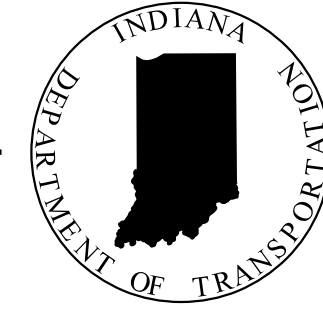


PROJECT	DESIGNATION
1800208	1800208
CONTRACT	
R-41465	

# INDIANA DEPARTMENT OF TRANSPORTATION



## TRAFFIC PLANS

ROUTE: SR 46 AT SMITH ROAD  
PROJECT NO.

1800208 P.E.  
1800208 R/W  
1800208 CONST.

**Project Description:**

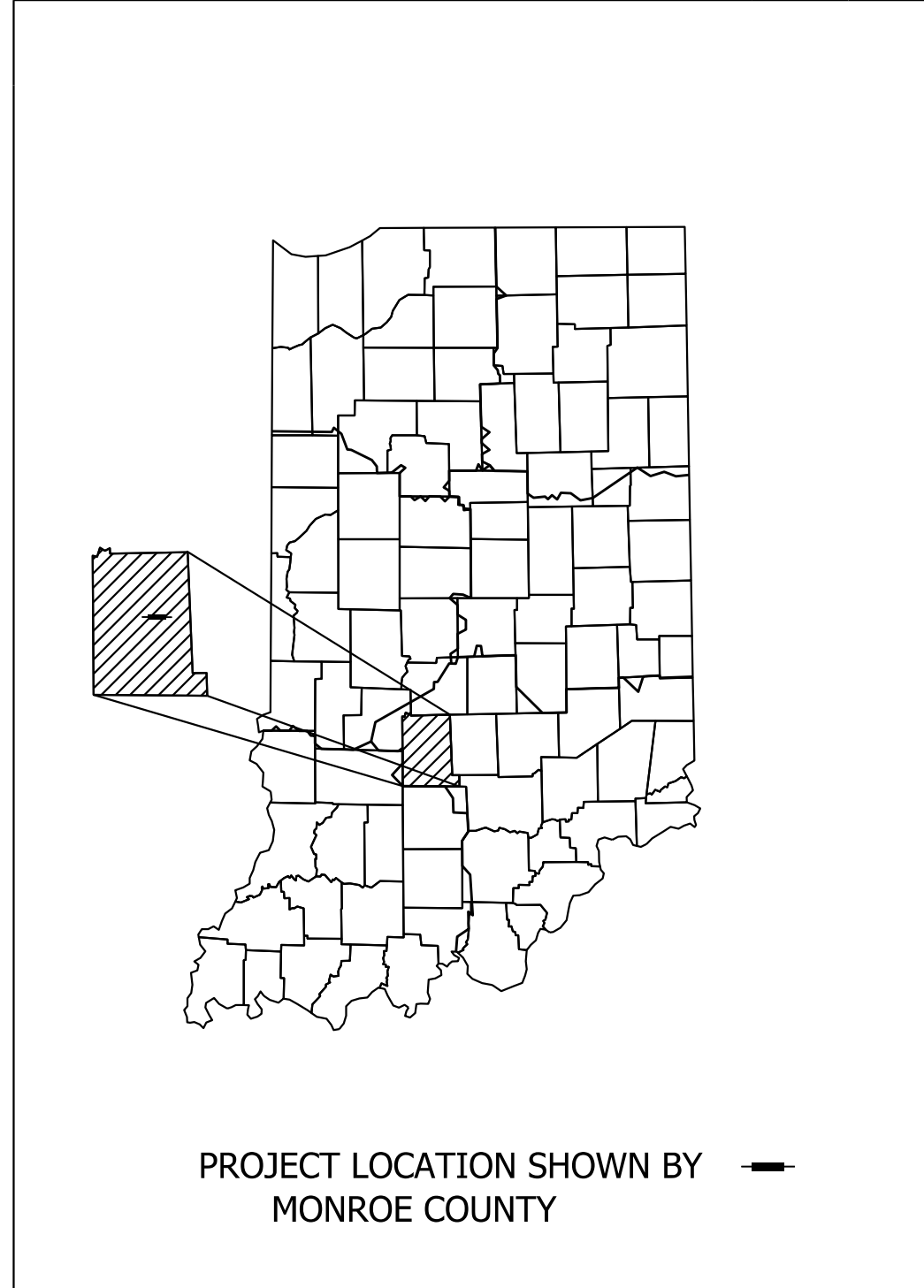
Intersection Improvement project at SR 46 and Smith Road, located in the City of Bloomington, Indiana Section 35, T-9-N, R-1-W and Section 36, T-9-N, R-1-W, Bloomington Township, Monroe County, Indiana Section 2, T-8-N, R-1-W and Section 1, T-8-N, R-1-W, Perry Township, Monroe County, Indiana



**Location Map**  
Monroe County  
Scale: 1" = 4,000'

Note to Reviewer:  
Stage 3 Not for Construction

TRAFFIC DATA	Smith Rd	SR 46
A.A.D.T. (2018)	6,380 V.P.D.	14,785 V.P.D.
A.A.D.T. (2043)	7,576 V.P.D.	17,567 V.P.D.
D.H.V. (2043)	687 V.P.H.	1,191 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %	50 %
TRUCKS	5.26 % A.A.D.T. 3.72 % D.H.V.	5.01% A.A.D.T. 4.34% D.H.V.
DESIGN DATA	Smith Rd	SR 46
DESIGN SPEED	30 M.P.H.	40 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR (URBAN)	PRINCIPAL ARTERIAL (URBAN)
RURAL/URBAN	URBAN (INTERMEDIATE)	URBAN (INTERMEDIATE)
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE



LATITUDE: 39°09'51" LONGITUDE: 86°28'52"

GROSS LENGTH:	0.18 MI.
NET LENGTH:	0.18 MI.
MAX. GRADE:	5.0 %

STAGE 3 PLANS  
JANUARY, 2022

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

**CMT** Engineers and Consultants  
8790 PURDUE ROAD  
INDIANAPOLIS, IN 46268-6128  
PHONE: (317) 298-4500

**NOT FOR CONSTRUCTION**

PLANS PREPARED BY: CRAWFORD, MURPHY & TILLY INC. (317) 298-4500 PHONE NUMBER  
CERTIFIED BY: 6/3/2022 DATE  
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	N/A
DESIGNATION	1800208
SURVEY BOOK	SHEETS
Electronic	1 of 22
CONTRACT	PROJECT
R-41465	1800208

Plot: L:\INDOT\18070904-11\Draw\Sheets\Traffic\_Sht\_Title.dgn

## UTILITIES

Duke Energy- Electric  
Cindy Rowland  
390 N. Main Street  
Martinsville, IN 46151  
(317) 776-5341  
cindy.rowland@duke-energy.com

Zayo Bandwidth  
Waylon Higgins  
8209 Castlegate Drive  
Indianapolis, IN 46256  
(765) 341-1199  
waylon.higgins@zayo.com

AT&T Distribution  
Mattew Spindler  
240 N. Meridian Street  
Indianapolis, IN 46204  
(317) 265-3050  
ms4822@att.com

Smithville Communications  
Kimberly Pitcher  
1600 W. Temperance Street  
Ellettsville, IN 47429  
(812) 935-2315  
kimberly.pitcher@smithville.com

Bloomington Utilities  
Phil Peden  
600 E. Miller Road  
Bloomington, IN 47402  
(812) 349-3634  
pedenp@bloominton.in.gov

Bloomington Utilities  
Jane Fleig  
600 E. Miller Road  
Bloomington, IN 47402  
(812) 349-3631  
fleigi@bloomington.in.gov

Vectren Energy- Gas  
Jon Eastham  
1800 W. 26th Street  
Muncie, IN 47302  
(765) 287-2119  
publicproject@vectren.com

Duke Energy- Electric  
Dewayne Wright  
390 N. Main Street  
Martinsville, IN 46151  
(317) 838-2044  
DEI-Tline-Coord@duke-energy.com

Comcast Cable  
Rhonda Dalton  
688 Industrial Drive  
Elmhurst, IL 60126  
(224) 229-5863  
rhonda.dalton@comcast.com

## GENERAL NOTES

1. All earth shoulders, median areas, and cut and fill slopes shall be sodded.
2. The contractor shall ensure that safe access is maintained to all residences and businesses during all phases of construction.
3. All removal items not paid for directly will be included in the lump sum cost of clearing right of way, per Standard Specifications 201 and 202.
4. Existing curb types may vary at streets. Contractor shall inspect curb prior to beginning work to assure proper fit and transition.
5. Contractor to ensure that positive drainage is maintained at all intersections and along curb and gutter flowlines after the completion of curb ramp construction.

## INDEX

SHEET NO.	DRAWINGS INDEX
1	Title Sheet
2	Index Sheet
3	Traffic Signal Detail
4-7	Existing Sign Plan
8-11	Proposed Sign Plan
12-14	Pavement Marking Detail
15	Pavement Markings Table and Sheet Sign Table
16-22	Curb Ramp Details

## REVISIONS

1.
2.
3.
4.
5.

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MLM 6/3/2022	DRAWN: MLM 6/3/2022	
CHECKED: KLT 6/3/2022	CHECKED: KLT 6/3/2022	

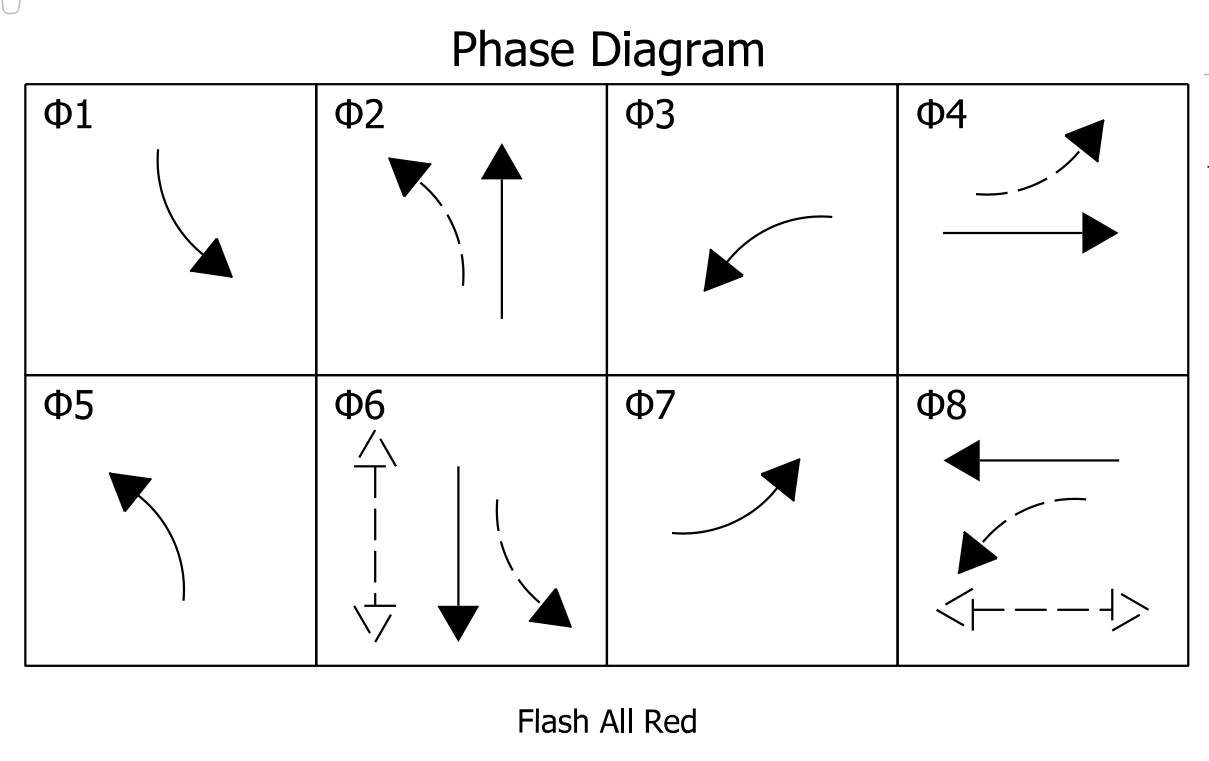
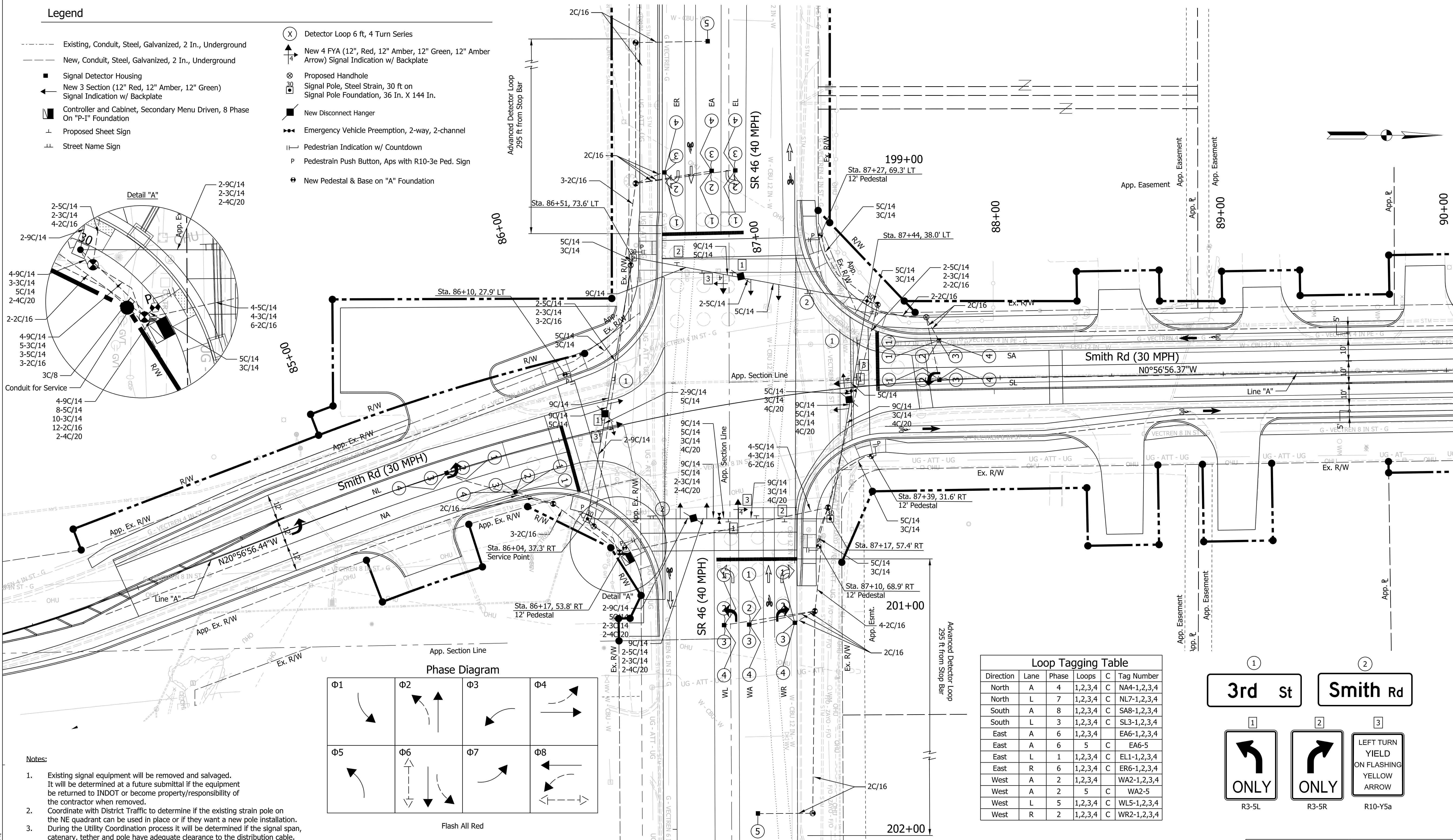
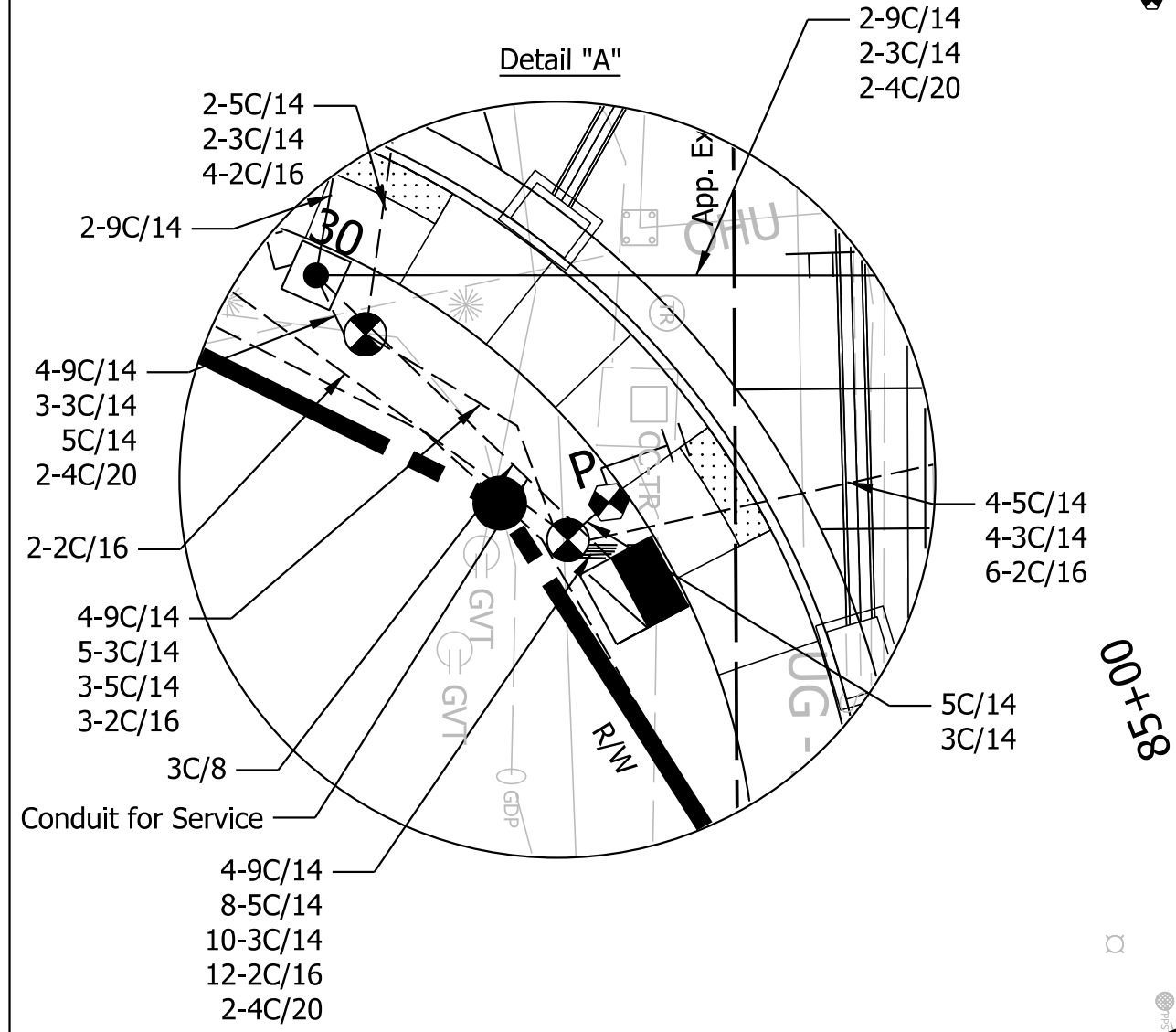
INDIANA  
DEPARTMENT OF TRANSPORTATION

INDEX & GENERAL NOTES

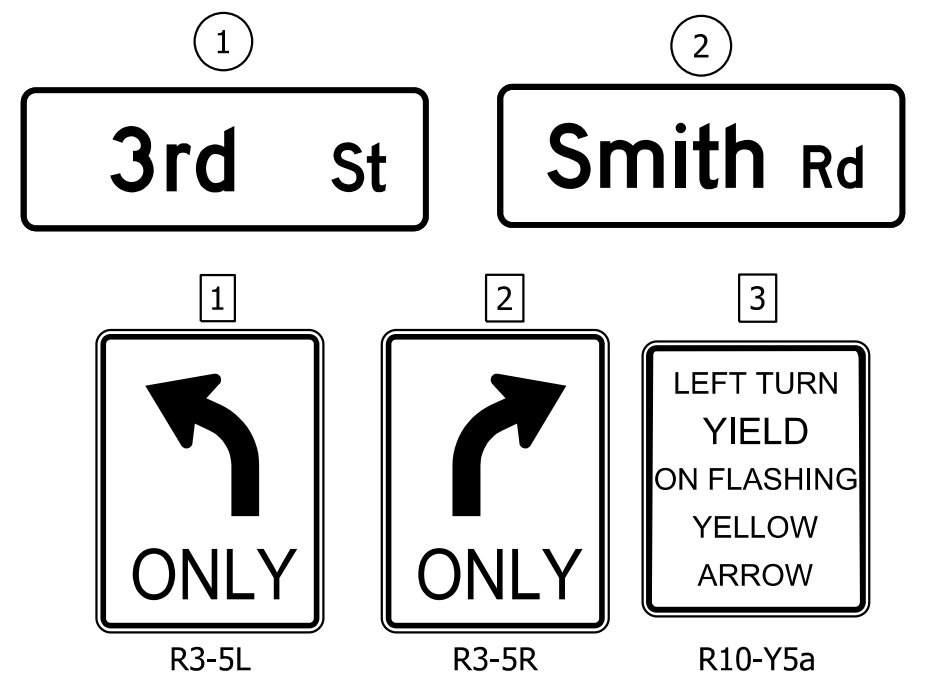
SCALE	BRIDGE FILE
	DESIGNATION 1800208
SURVEY BOOK	SHEETS
	2 of 22
CONTRACT R-41465	PROJECT 1800208

**Legend**

- Existing, Conduit, Steel, Galvanized, 2 In., Underground
- New, Conduit, Steel, Galvanized, 2 In., Underground
- Signal Detector Housing
- ← New 3 Section (12" Red, 12" Amber, 12" Green) Signal Indication w/ Backplate
- ⊞ Controller and Cabinet, Secondary Menu Driven, 8 Phase On "P-1" Foundation
- ⊞ Proposed Sheet Sign
- ⊞ Street Name Sign
- ⊗ Detector Loop 6 ft, 4 Turn Series
- ↑ New 4 FYA (12" Red, 12" Amber, 12" Green, 12" Amber Arrow) Signal Indication w/ Backplate
- ⊗ Proposed Handhole
- ⊞ Signal Pole, Steel Strain, 30 ft on Signal Pole Foundation, 36 In. X 144 In.
- New Disconnect Hanger
- ⊞ Emergency Vehicle Preemption, 2-way, 2-channel
- ⊞ Pedestrian Indication w/ Countdown
- ⊞ Pedestrian Push Button, Aps with R10-3e Ped. Sign
- ⊞ New Pedestal & Base on "A" Foundation



Direction	Lane	Phase	Loops	C	Tag Number
North	A	4	1,2,3,4	C	NA4-1,2,3,4
North	L	7	1,2,3,4	C	NL7-1,2,3,4
South	A	8	1,2,3,4	C	SA8-1,2,3,4
South	L	3	1,2,3,4	C	SL3-1,2,3,4
East	A	6	1,2,3,4	C	EA6-1,2,3,4
East	A	6	5	C	EA6-5
East	L	1	1,2,3,4	C	EL1-1,2,3,4
East	R	6	1,2,3,4	C	ER6-1,2,3,4
West	A	2	1,2,3,4	C	WA2-1,2,3,4
West	A	2	5	C	WA2-5
West	L	5	1,2,3,4	C	WL5-1,2,3,4
West	R	2	1,2,3,4	C	WR2-1,2,3,4



- Notes:**
- Existing signal equipment will be removed and salvaged. It will be determined at a future submittal if the equipment be returned to INDOT or become property/responsibility of the contractor when removed.
  - Coordinate with District Traffic to determine if the existing strain pole on the NE quadrant can be used in place or if they want a new pole installation. During the Utility Coordination process it will be determined if the signal span, catenary, tether and pole have adequate clearance to the distribution cable.

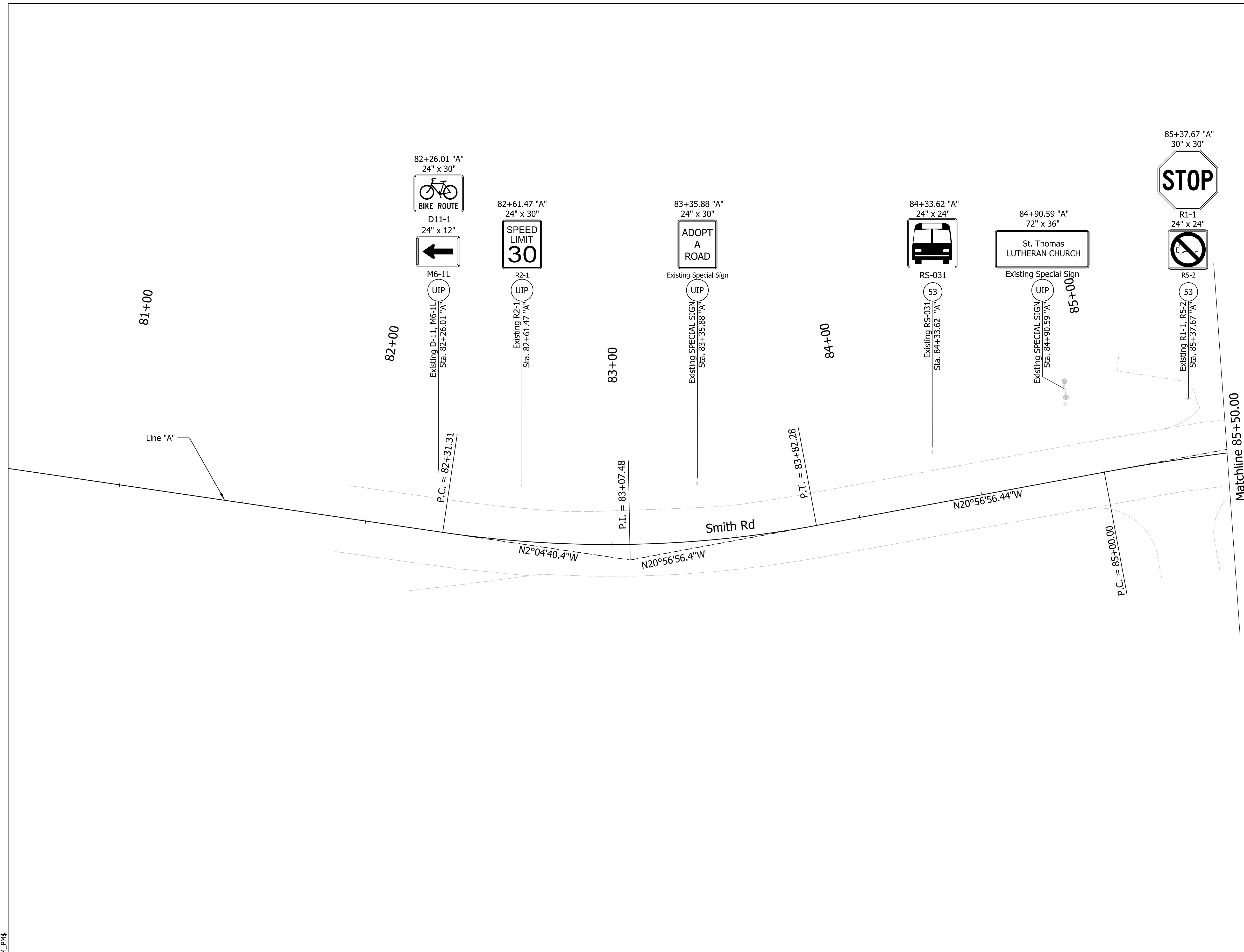
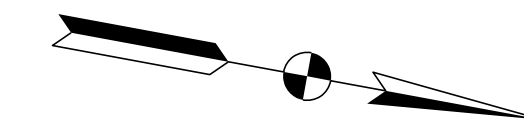
RECOMMENDED FOR APPROVAL	<i>ENG SIGNATURES</i>	6/3/2022
DESIGNED:	MLM	6/3/2022
CHECKED:	KLT	6/3/2022

INDIANA  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN  
AT SR 46 AND SMITH ROAD  
COUNTY CO. DISTRICT DIST.

<b>COMM. NO. 01-053-036</b>	
SCALE 1"=20'	BRIDGE FILE N/A
SURVEY BOOK Electronic	SHEETS 3 of 22
CONTRACT R-41465	PROJECT 1800208

Plot Date: 6/3/2022 10:58 AM



**LEGEND**

	Sign, Sheets and Supports, Remove
	Use In Place

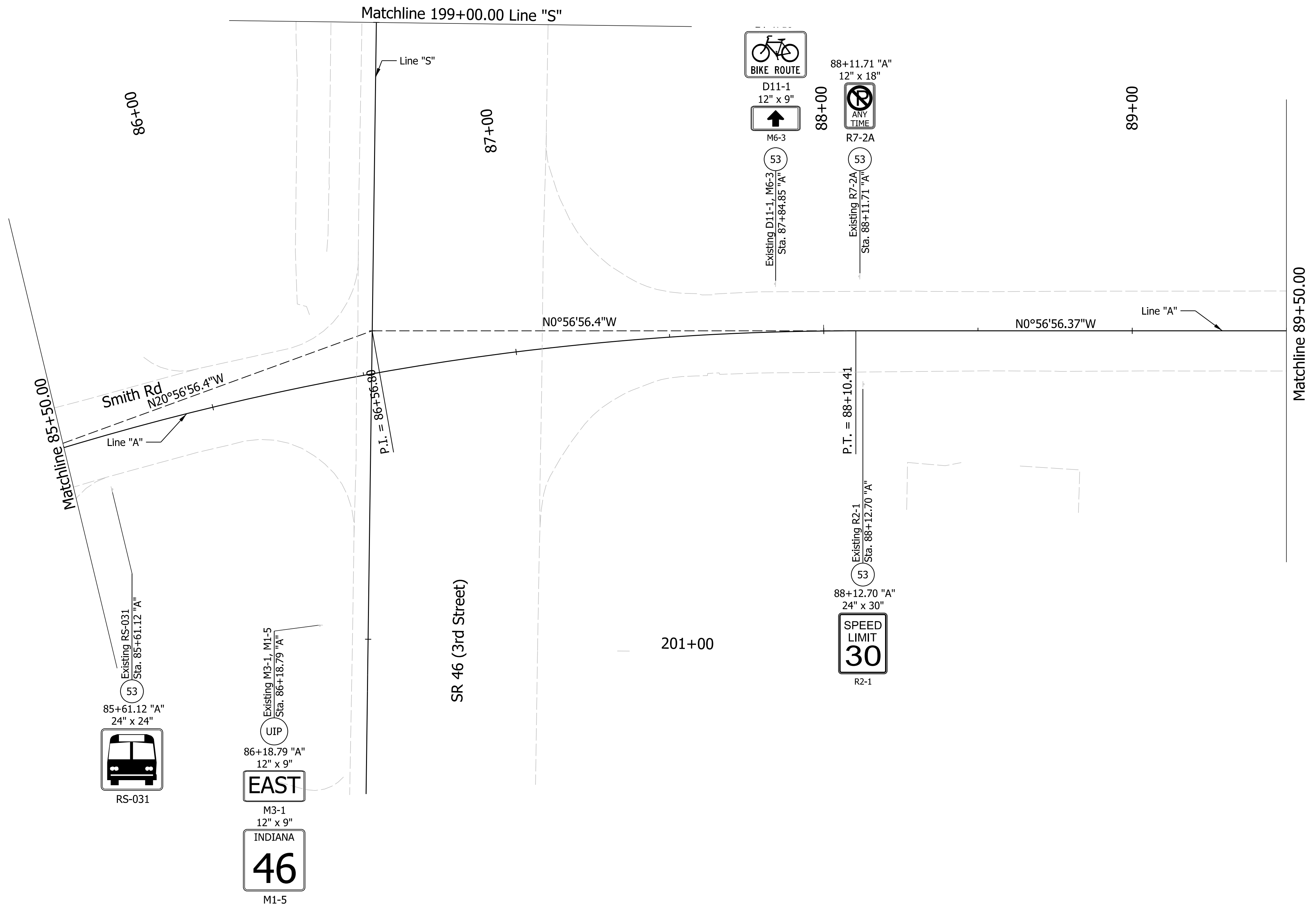
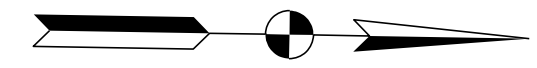
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGN PLAN**  
Sta. 81+50.00 to 85+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	4 of 22
CONTRACT	PROJECT
R-41465	1800208



**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

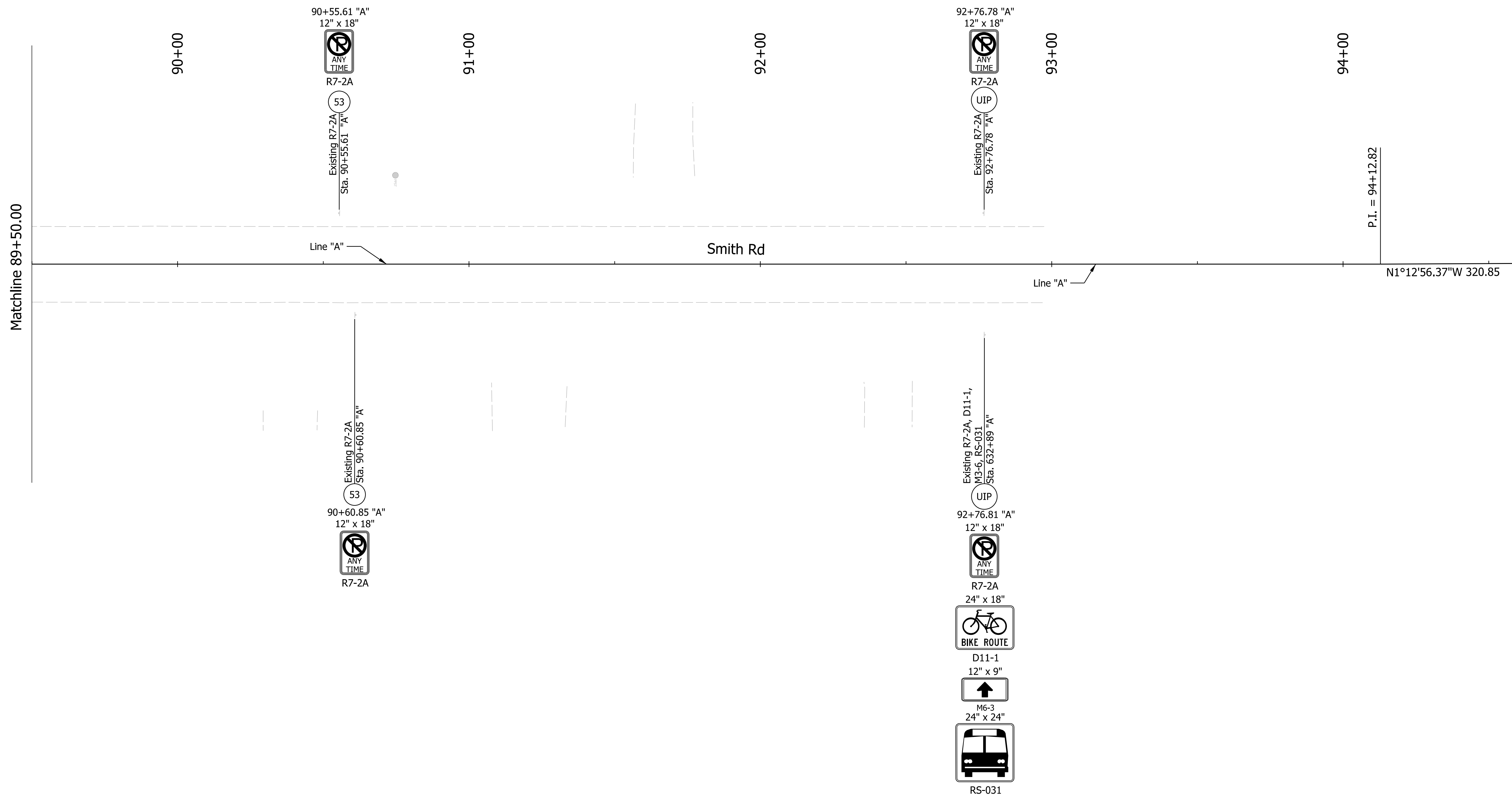
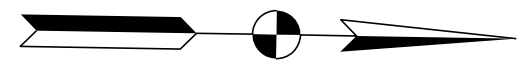
**EXISTING SIGN PLAN**  
Sta. 85+50.00 to 89+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	5 of 22
CONTRACT	PROJECT
R-41465	1800208

**LEGEND**

(53)	Sign, Sheets and Supports, Remove
(UIP)	Use In Place

Plot: L:\INDOT\18070904-11\Draw\Sheets\Sht\_Sign\_Existing\_20\_02.dgn



Plot: L:\INDOT\18070904-11\Draw\Sheets\ShT\_Sign\_Existing\_20\_03.dgn

- LEGEND**
- Sign, Sheets and Supports, Remove
  - Use In Place

**NOT FOR CONSTRUCTION**

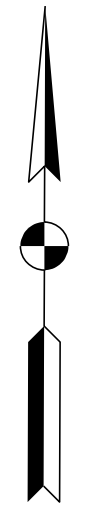
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DESIGNED: MLM		DRAWN: MLM		6/3/2022	
CHECKED: KLT		CHECKED: KLT		6/3/2022	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGN PLAN**  
Sta. 89+50.00 to 93+50.00 Line "A"

SCALE 1"=20'	BRIDGE FILE N/A
	DESIGNATION 1800208
SURVEY BOOK Electronic	SHEETS 6 of 22
CONTRACT R-41465	PROJECT 1800208





195+00

196+00

197+00

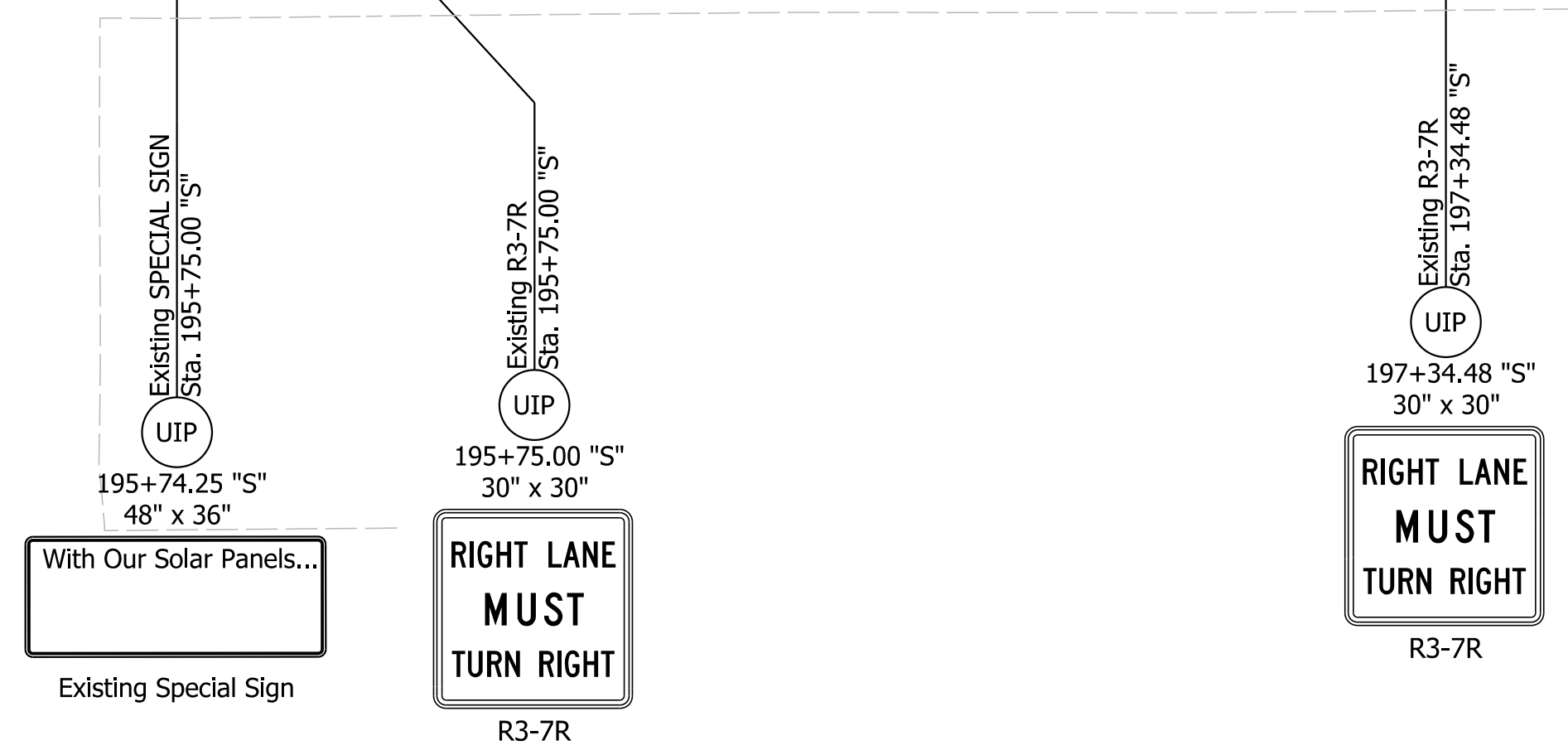
198+00

199+00

SR 46 (3rd Street)

Line "S"

Matchline 199+00.00 Line "S"



With Our Solar Panels...

RIGHT LANE  
MUST  
TURN RIGHT

RIGHT LANE  
MUST  
TURN RIGHT

Plot: L:\INDOT\18070904-11\Draw\Sheets\ShT\_Sign\_Existing\_20\_04\_SR46.dgn

**LEGEND**

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(UIP)	Use In Place

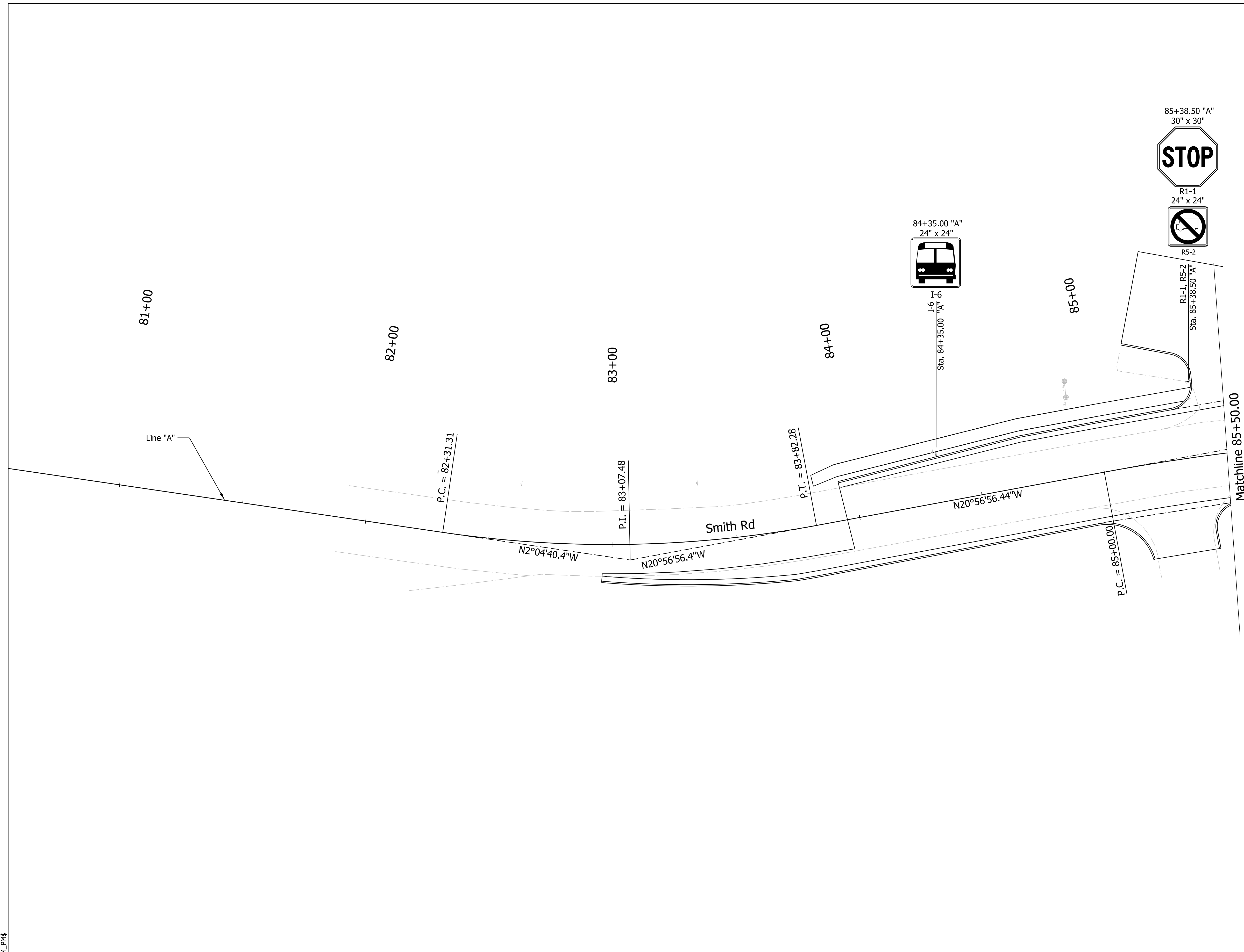
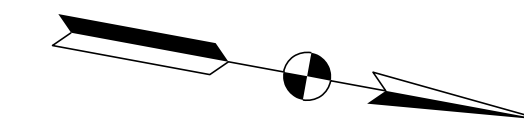
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGN PLAN**  
Sta. 195+00.00 to 199+00.00 Line "S"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	7 of 22
CONTRACT	PROJECT
R-41465	1800208



**NOT FOR CONSTRUCTION**

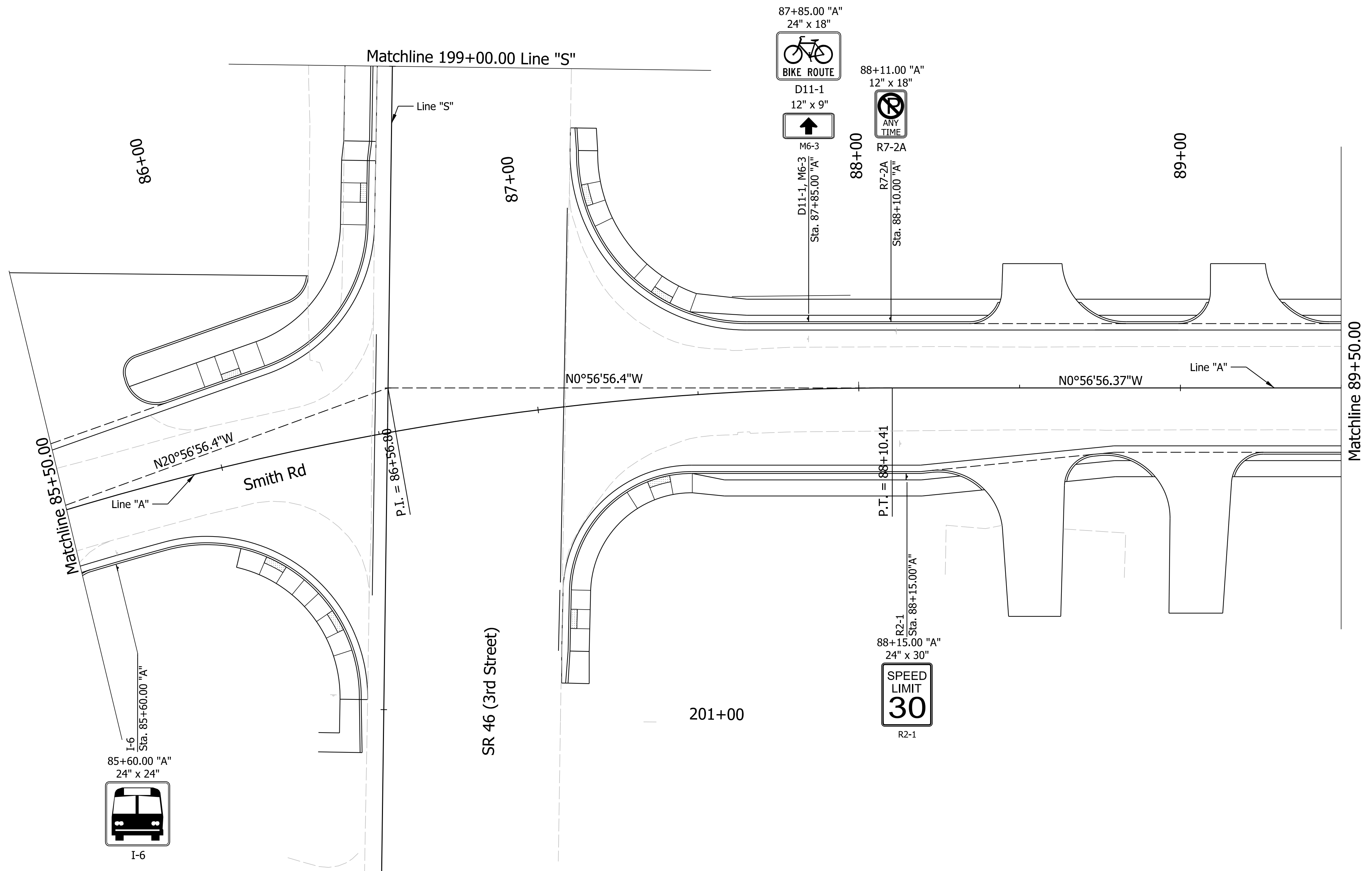
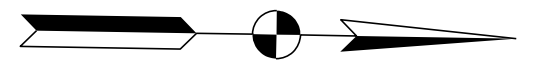
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DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGN PLAN**  
Sta. 81+50.00 to 85+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	8 of 22
CONTRACT	PROJECT
R-41465	1800208





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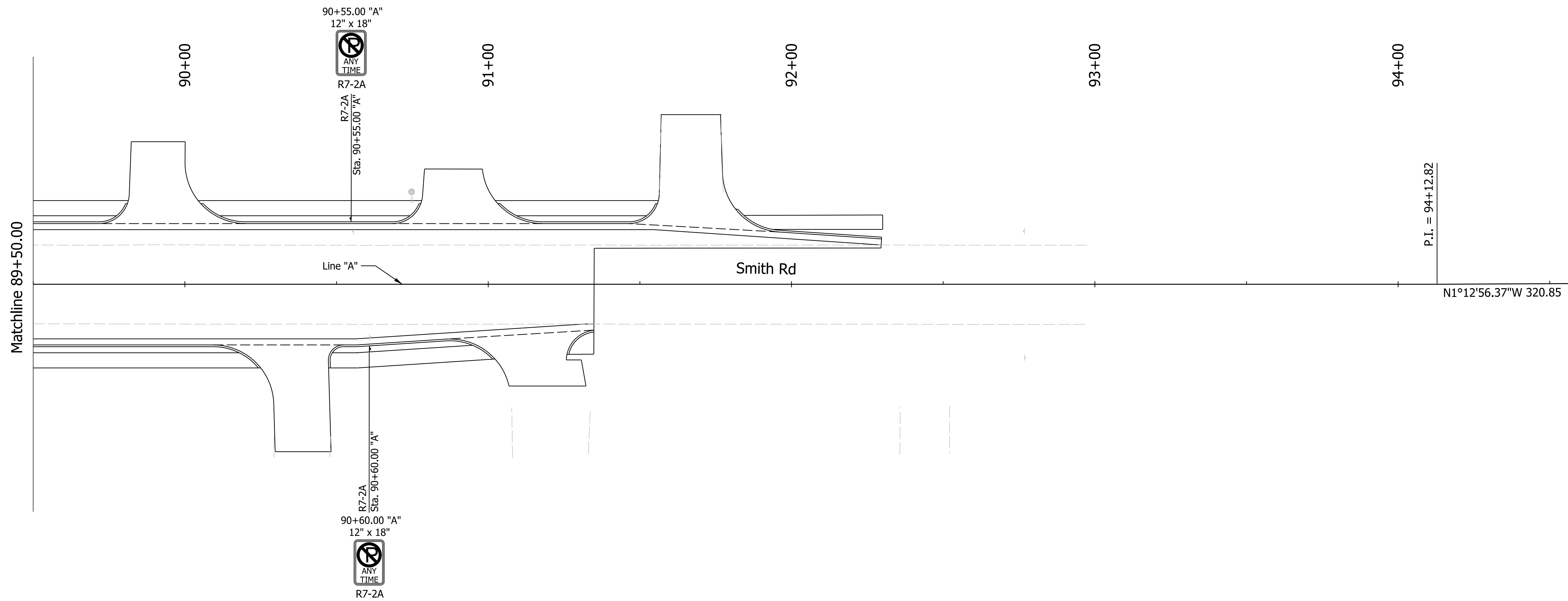
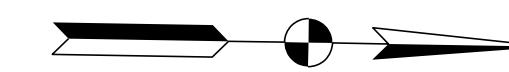
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

INDIANA DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PLAN  
Sta. 85+50.00 to 89+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	9 of 22
CONTRACT	PROJECT
R-41465	1800208



Plot\_Plot\_Direct\_Times\_SAM\_PMS

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGN PLAN**  
Sta. 89+50.00 to 93+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	10 of 22
CONTRACT	PROJECT
R-41465	1800208



PlotPLOT\_DWGSET\_TITLES\_\$AM\_PMS

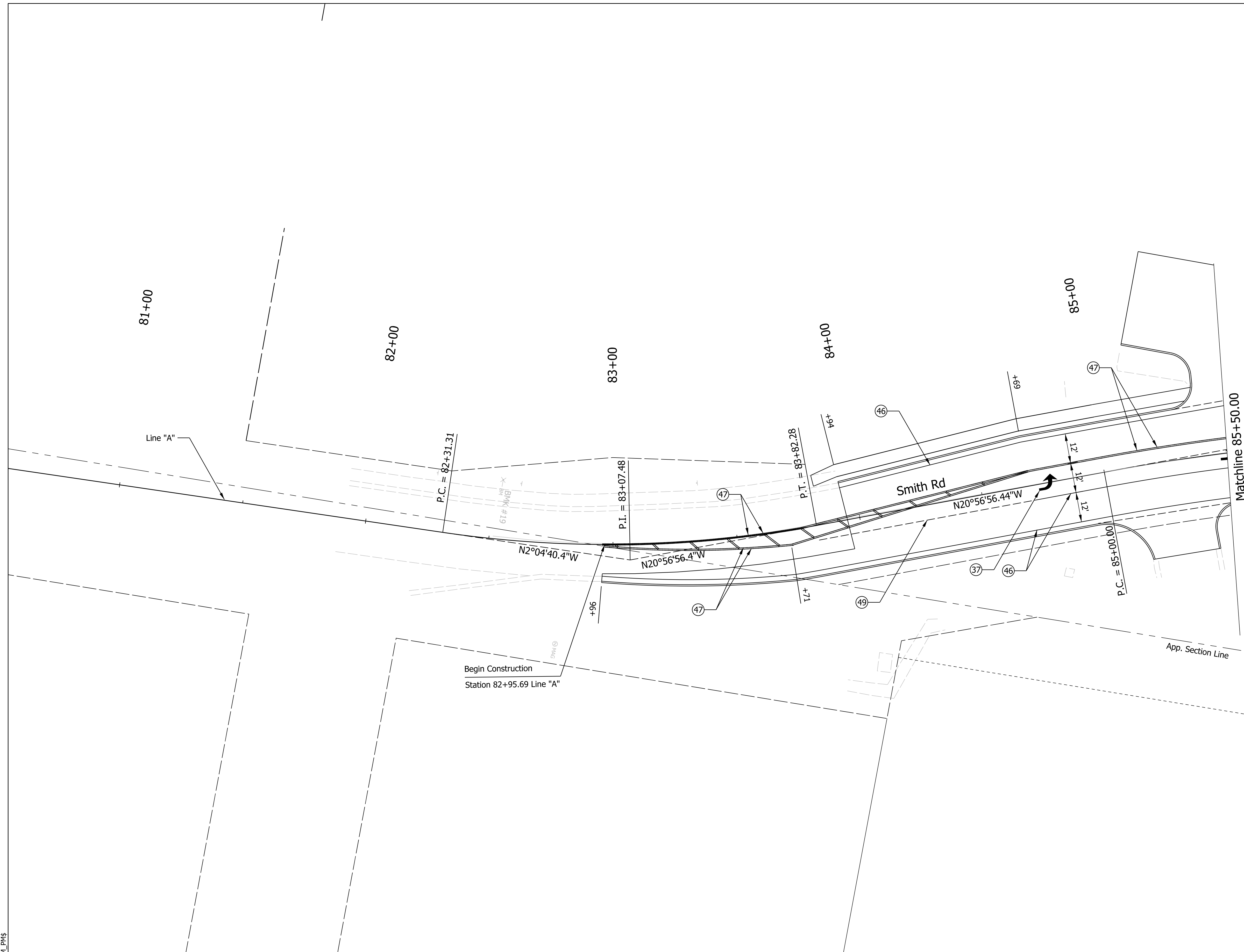
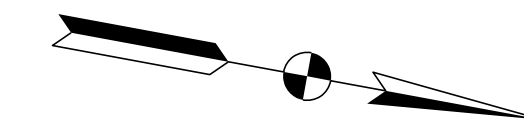
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DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGN PLAN**  
Sta. 195+00.00 to 199+00.00 Line "S"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	11 of 22
CONTRACT	PROJECT
R-41465	1800208



**LEGEND**

(37)	Thermoplastic Pavement Marking Message	(40)	24 in. Stop Line White Thermoplastic Transverse Marking	(49)	8 in. Broken White Thermoplastic Line
(38)	6 in. Crosswalk Edge Line White Thermoplastic Transverse Marking	(46)	4 in. Solid White Thermoplastic Line		
(39)	12 in. Crosshatch Line Yellow Thermoplastic Transverse Marking	(47)	4 in. Solid Yellow Thermoplastic Line		
		(48)	6 in. Solid White Thermoplastic Line		

**NOT FOR CONSTRUCTION**

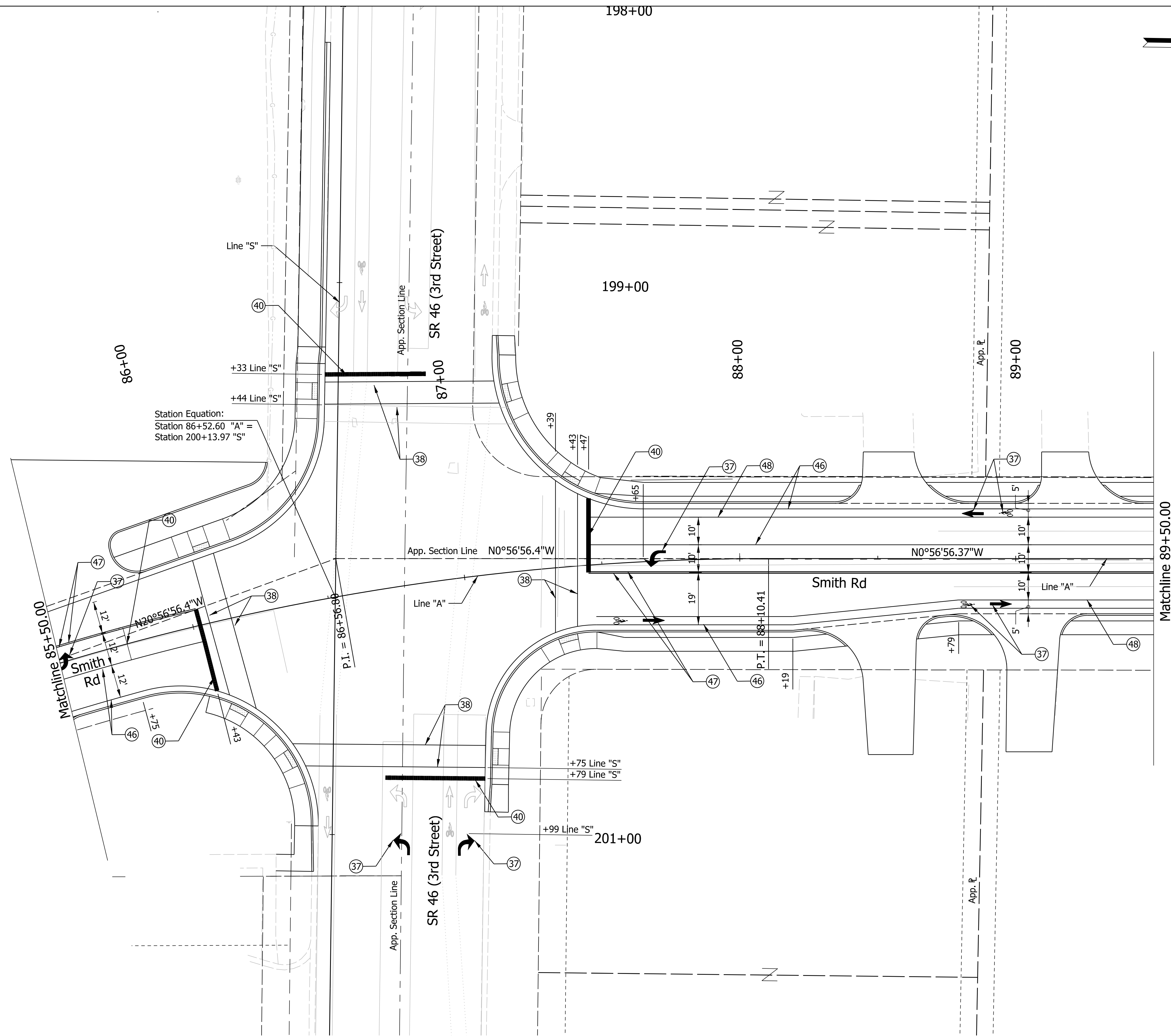
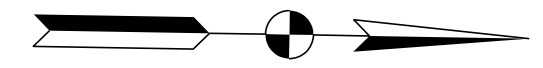
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DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING**  
Sta. 81+50.00 to 85+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	12 of 22
CONTRACT	PROJECT
R-41465	1800208

Plot: L:\INDOT\18070904-11\Draw\Sheets\ShT\_PMK\_20\_01.dgn



Station Equation:  
 Station 86+52.60 "A" =  
 Station 200+13.97 "S"

LEGEND					
(37)	Thermoplastic Pavement Marking Message	(40)	24 in. Stop Line White Thermoplastic Transverse Marking	(49)	8 in. Broken White Thermoplastic Line
(38)	6 in. Crosswalk Edge Line White Thermoplastic Transverse Marking	(46)	4 in. Solid White Thermoplastic Line		
(39)	12 in. Crosshatch Line Yellow Thermoplastic Transverse Marking	(47)	4 in. Solid Yellow Thermoplastic Line		
		(48)	6 in. Solid White Thermoplastic Line		

**NOT FOR CONSTRUCTION**

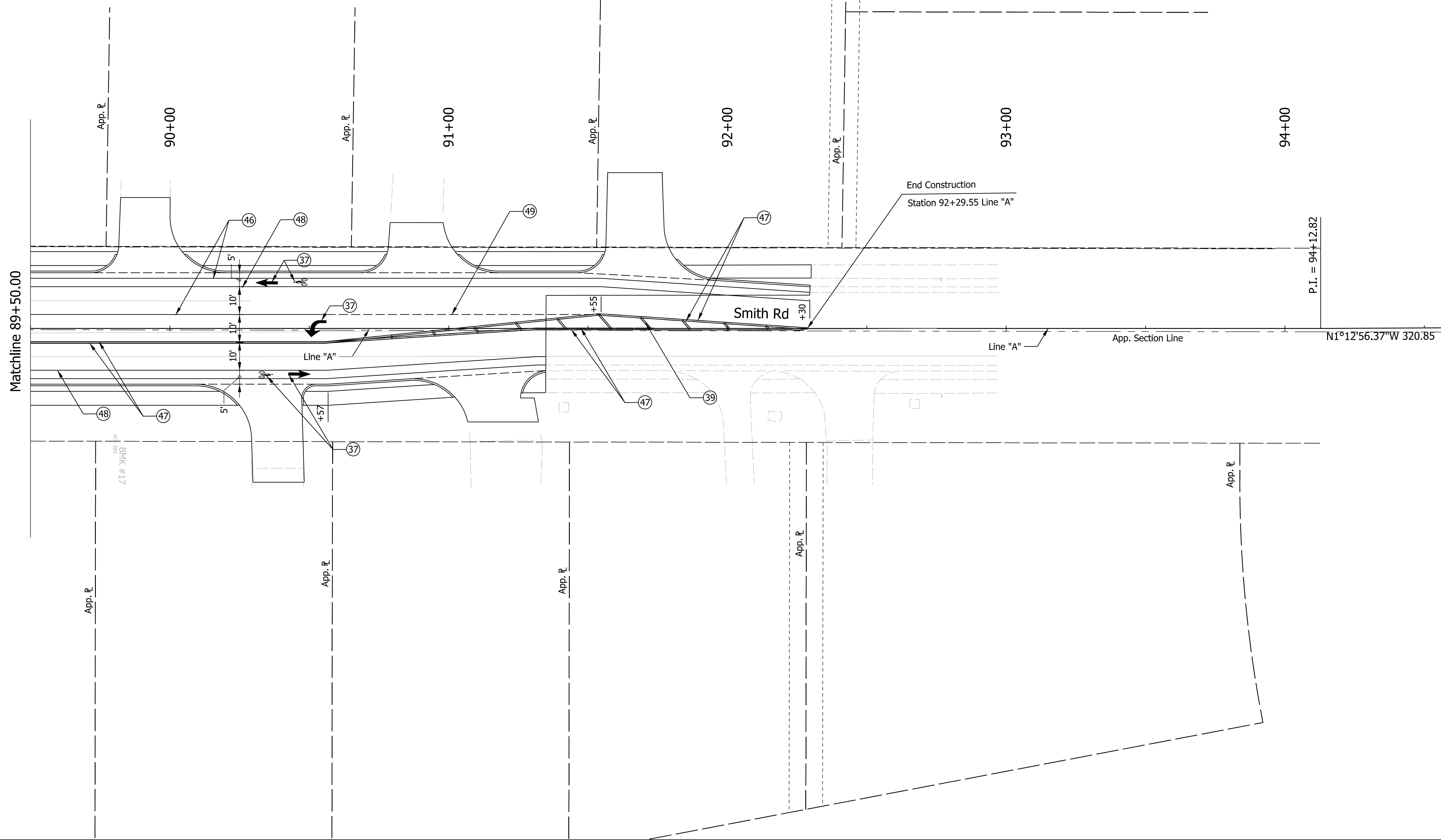
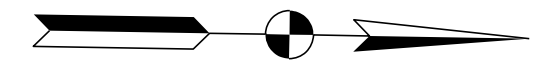
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DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING**  
 Sta. 85+50.00 to 89+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	13 of 22
CONTRACT	PROJECT
R-41465	1800208

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Plot: L:\INDOT\18070904-11\Draw\Sheets\Sht\_PMK\_20\_03.dgn

LEGEND					
37	Thermoplastic Pavement Marking Message	40	24 in. Stop Line White Thermoplastic Transverse Marking	49	8 in. Broken White Thermoplastic Line
38	6 in. Crosswalk Edge Line White Thermoplastic Transverse Marking	46	4 in. Solid White Thermoplastic Line		
39	12 in. Crosshatch Line Yellow Thermoplastic Transverse Marking	47	4 in. Solid Yellow Thermoplastic Line		
		48	6 in. Solid White Thermoplastic Line		

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING**  
Sta. 89+50.00 to 93+50.00 Line "A"

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	14 of 22
CONTRACT	PROJECT
R-41465	1800208

PAVEMENT MARKINGS SUMMARY OF QUANTITIES																							
LOCATION	LINE, THERMOPLASTIC					LINE, PREFORMED PLASTIC		LINE, MULTI-COMPONENT				TRANSVERSE MARKINGS, THERMOPLASTIC			TRANSVERSE MARKINGS, CROSSHATCH, LINE			PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	SIGN/RAISEABLE RAISED PAVEMENT MARKERS			
	SOLID WHITE 4 in	SOLID YELLOW 4 in	SOLID WHITE 12 in	SOLID WHITE 8 in	DASHED WHITE 4 in	DOTTED WHITE 4 in	BROKEN WHITE 4 in	SOLID WHITE 6 in	SOLID YELLOW 6 in	SOLID WHITE 8 in	DOTTED WHITE 4 in	YIELD LINE WHITE 36 in	CROSSWALK LINE WHITE 24 in	STOP LINE WHITE 24 in	SOLID YELLOW 12 in	SOLID WHITE 8 in	SOLID WHITE 6 in						
	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft	Lft						
North Leg																		30	90	6			
South Leg																		23	90	2			
East Leg																		36	180				
West Leg																		36	170	2			
Line "A" Sta 82+96.00 to 86+03.00	445	960															68						
Line "A" Sta 87+45.00 to 92+29.00	742	1,280															68						
<b>Total</b>	1,187	2,240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	135	530	0	10	0	0

SHEET SIGN & POST SUMMARY																				
SIGN						POST												REMARKS		
PLAN / LINE	SIGN LOCATION (STA.)	OFFSET (FT.)	SIGN CODE	SIGN SIZE (WIDTH IN x HEIGHT IN)	GROUND - MOUNTED SIGN AREA (ft <sup>2</sup> )			U CHANNEL				SQUARE								
					0.080"	0.100"	0.125"	POST LENGTH		POST LENGTH		2 1/2" X 2 1/2" - 12 GA. (TYPE 3)		2" X 2" - 12 GA. (TYPE 2)		2 1/4" X 2 1/4" - 12 GA. (TYPE 1)				
						1 FT.		2 FT.		TYPE "A" FT.		TYPE "B" FT.		REINFORCED ANCHOR POST LENGTH (FT.)		REINFORCED ANCHOR POST LENGTH (FT.)			REINFORCED ANCHOR POST LENGTH (FT.)	
OVERHEAD SIGNS																				
			R3-5L x4	30 x 36	30															
			R3-5R x2	30 x 36	15															
			R10-5Ya x4	30 x 36	30															
	NB Span		"SR 46"	42 x 18		6														
	EB Span		"Smith Rd"	60 x 18		8														
	SB Span		"SR 46"	42 x 18		6														
	WB Span		"Smith Rd"	60 x 18		8														
GROUND MOUNTED SIGNS																				
	84+35.00	20 (L)	RS-031	24 x 24	4															
	85+38.50	30 (L)	R1-1	30 x 30	6.25															
	85+38.50	30 (L)	R5-2	24 x 24	4															
	85+60.00	22 (R)	RS-031	24 x 24	4															
	87+85.00	22 (L)	D11-1	24 x 18	3															
	87+85.00	22 (L)	M6-3	12 x 9	0.75															
	88+10.00	22 (L)	R7-2A	12 x 18	1.5															
	88+15.00	35 (R)	R2-1	24 x 30	5															
	90+55.00	22 (L)	R7-2A	12 x 18	1.5															
	90+60.00	35 (R)	R7-2A	12 x 18	1.5															
<b>Total</b>					107	28	0				48			0			0			0

Plot: L:\INDOT\18070904-11\Draw\Sheets\Sht\_Table\_PmvtMk\_Sign.dgn

**NOT FOR CONSTRUCTION**

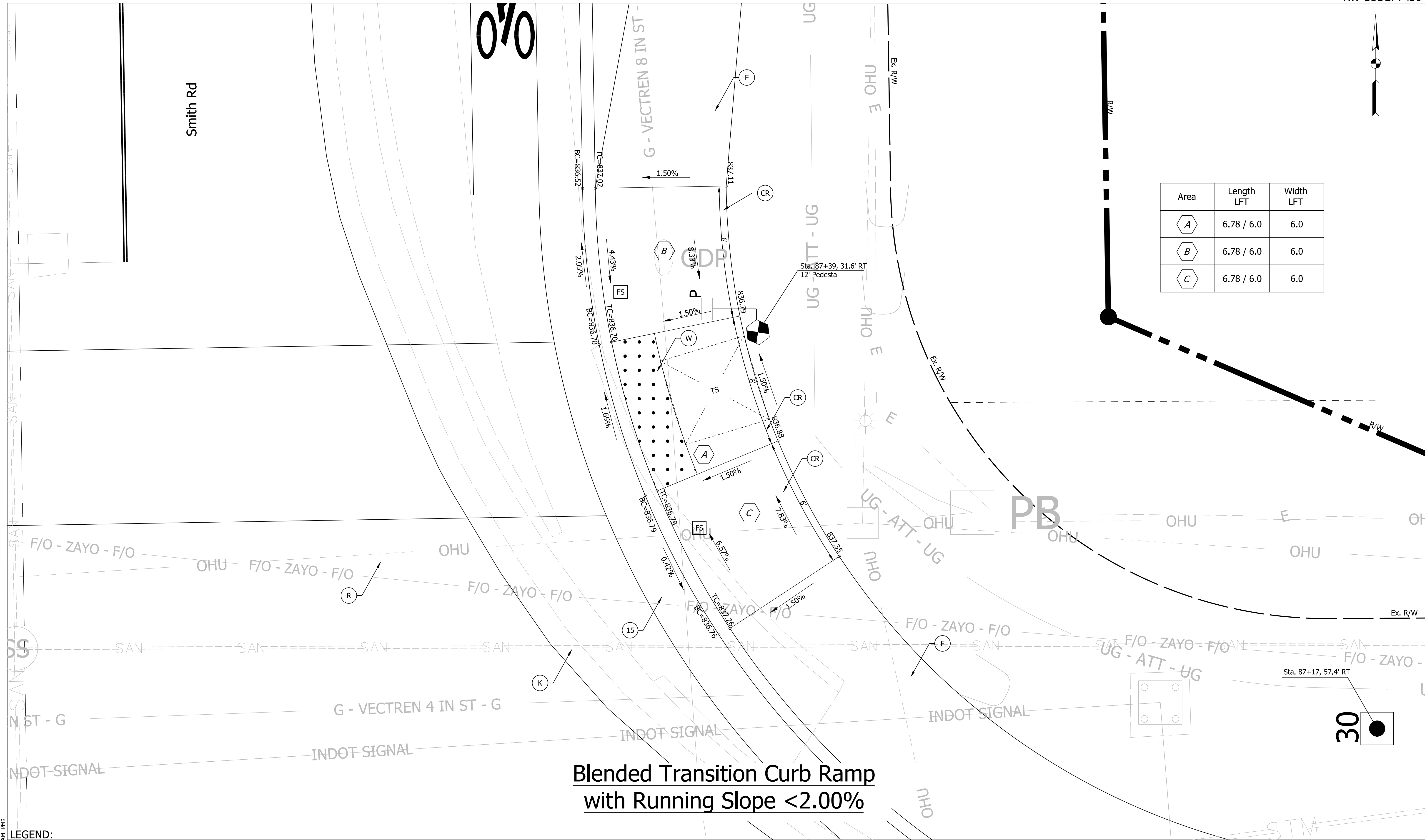
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS AND SIGN SHEET SUMMARY TABLES**

SCALE	BRIDGE FILE
	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	15 of 22
CONTRACT	PROJECT
R-41465	1800208





Area	Length LFT	Width LFT
A	6.78 / 6.0	6.0
B	6.78 / 6.0	6.0
C	6.78 / 6.0	6.0

**Blended Transition Curb Ramp  
with Running Slope <math>< 2.00\%</math>**

**LEGEND:**

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (W) Detectable Warning Surface
- (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
- (13) Curb, Concrete
- (15) Curb and Gutter, Concrete
- (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
- (FS) Flared Side
- (P) Pedestrian Push Button, APS
- (New Cantilever Signal Structure, 30' Mast Arm, Drilled Shaft Foundation, Typ A (Max Height 22'))
- (Pedestrian Indication w/ Countdown)
- (New Pedestal & Base on "A" Foundation)

**NOT FOR CONSTRUCTION**

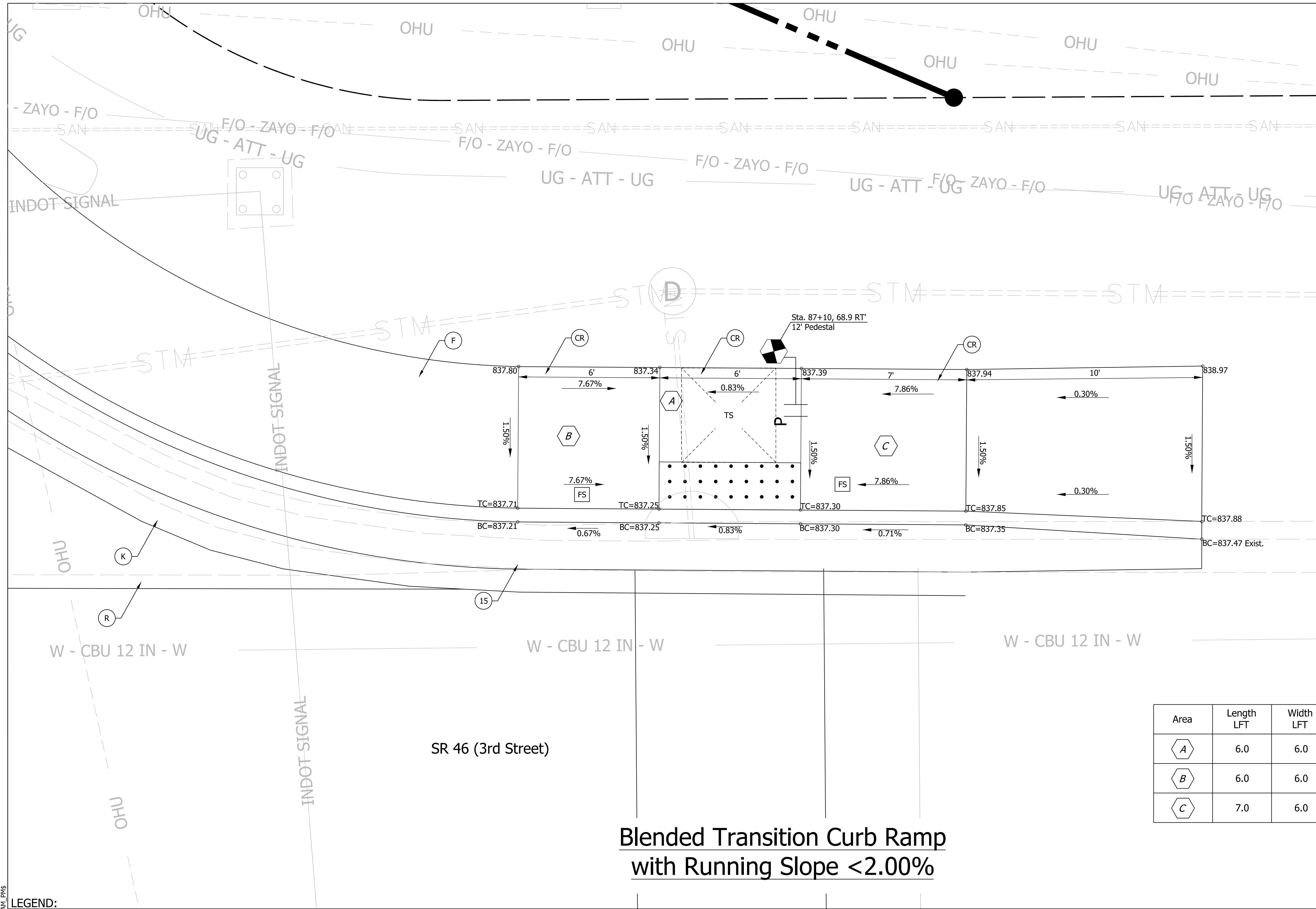
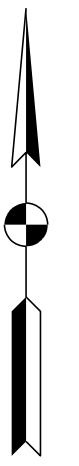
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS  
SMITH RD NE CROSSING**

SCALE 1"=2'	BRIDGE FILE N/A
	DESIGNATION 1800208
SURVEY BOOK Electronic	SHEETS 16 of 22
CONTRACT R-41465	PROJECT 1800208

Plot: L:\INDOT\18070904-11\Draw\Sheets\Sht\_Curb\_01\_NE Smith.dgn



Area	Length LFT	Width LFT
A	6.0	6.0
B	6.0	6.0
C	7.0	6.0

- LEGEND:**
- (F) Sidewalk, Concrete
  - (CR) Curb Ramp, Concrete
  - (W) Detectable Warning Surface
  - (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
  - (13) Curb, Concrete
  - (15) Curb and Gutter, Concrete
  - (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
  - (FS) Flared Side
  - (P) Pedestrian Push Button, APS
  - (New Cantilever Signal Structure, 30' Mast Arm, Drilled Shaft Foundation, Typ A (Max Height 22'))
  - (Pedestrian Indication w/ Countdown)
  - (New Pedestal & Base on "A" Foundation)

**NOT FOR CONSTRUCTION**

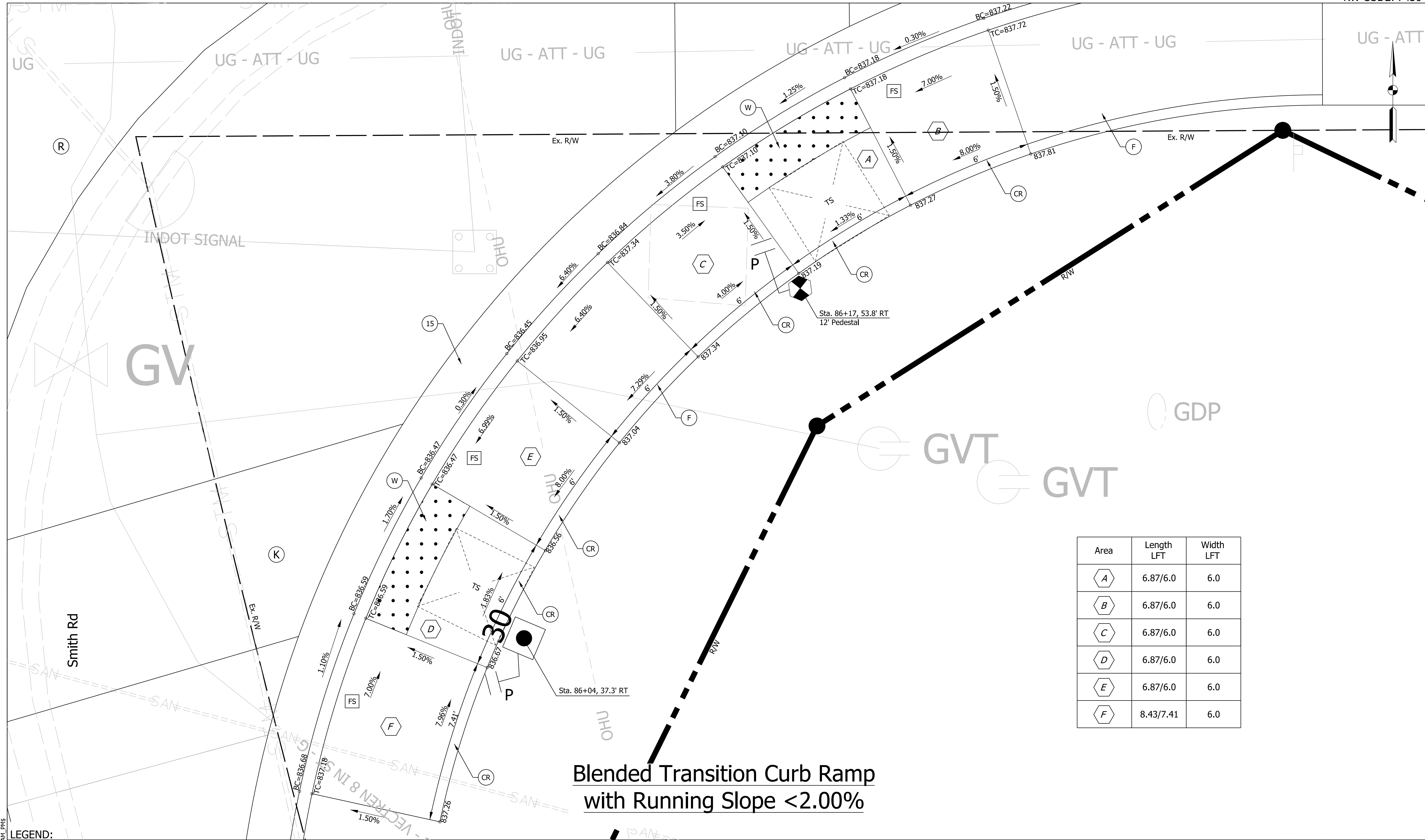
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DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS  
SMITH RD NE CROSSING**

SCALE 1"=2'	BRIDGE FILE N/A
	DESIGNATION 1800208
SURVEY BOOK Electronic	SHEETS 17 of 22
CONTRACT R-41465	PROJECT 1800208

P:\PLOT\EXPORT\TIMES\SR46.dgn



**Blended Transition Curb Ramp  
with Running Slope < 2.00%**

Area	Length LFT	Width LFT
A	6.87/6.0	6.0
B	6.87/6.0	6.0
C	6.87/6.0	6.0
D	6.87/6.0	6.0
E	6.87/6.0	6.0
F	8.43/7.41	6.0

- LEGEND:**
- (F) Sidewalk, Concrete
  - (CR) Curb Ramp, Concrete
  - (W) Detectable Warning Surface
  - (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
  - (13) Curb, Concrete
  - (15) Curb and Gutter, Concrete
  - (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
  - (FS) Flared Side
  - (P) Pedestrian Push Button, APS
  - (New Cantilever Signal Structure, 30' Mast Arm, Drilled Shaft Foundation, Typ A (Max Height 22'))
  - (Pedestrian Indication w/ Countdown)
  - (New Pedestal & Base on "A" Foundation)

**NOT FOR CONSTRUCTION**

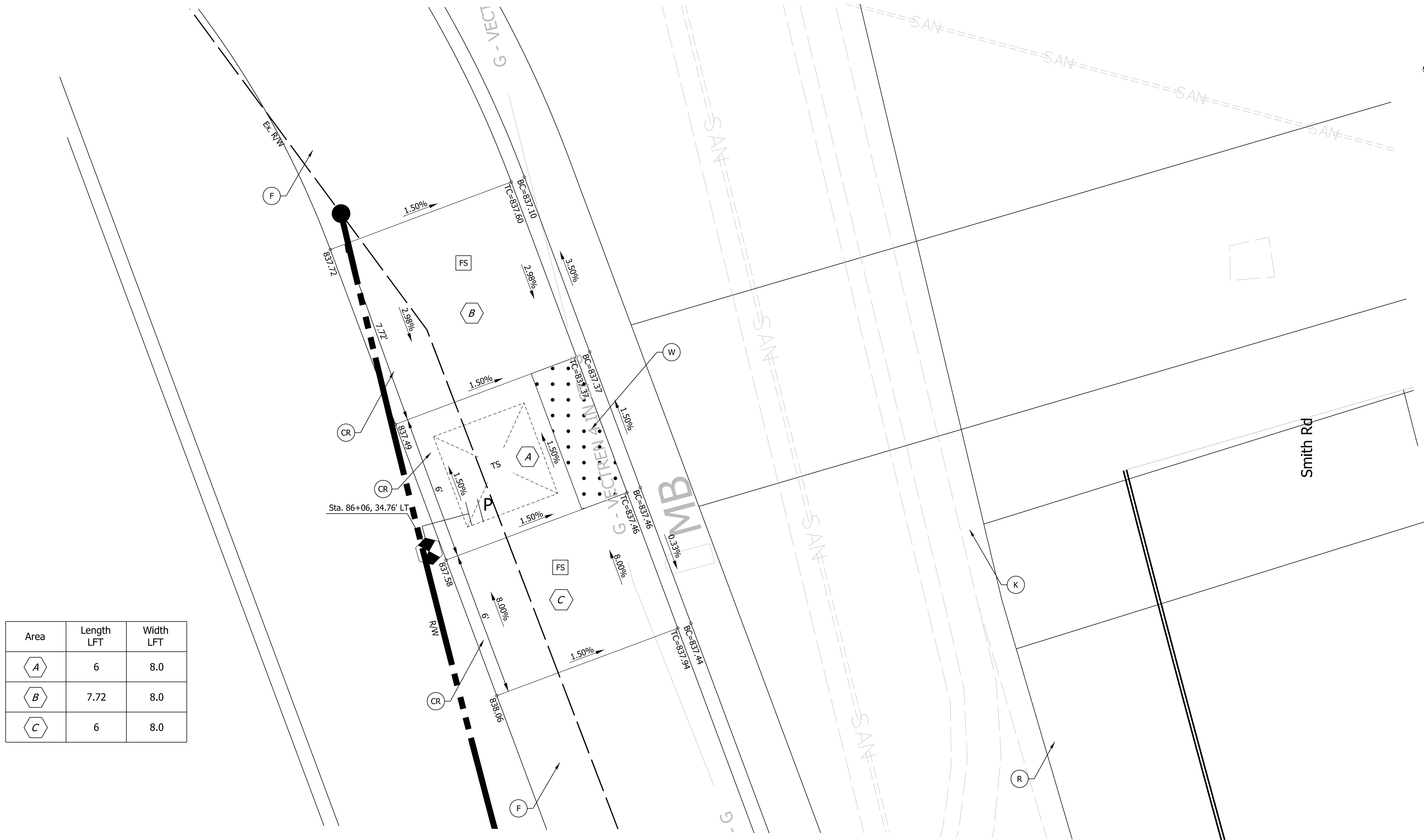
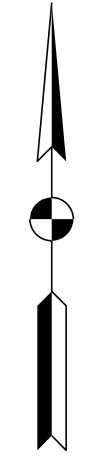
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**  
**SR46 & SMITH RD SE CROSSING**

SCALE	BRIDGE FILE
1"=2'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	18 of 22
CONTRACT	PROJECT
R-41465	1800208

P:\PROJECTS\SR46\SMITH\Drawings\Sheet\SR46\_Sht\_Curb\_03\_SE SR46.dgn



Area	Length LFT	Width LFT
A	6	8.0
B	7.72	8.0
C	6	8.0

**Blended Transition Curb Ramp  
with Running Slope < 2.00%**

**LEGEND:**

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (W) Detectable Warning Surface
- (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
- (13) Curb, Concrete
- (15) Curb and Gutter, Concrete
- (FS) Flared Side
- (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
- (P) Pedestrian Push Button, APS  
New Cantilever Signal Structure, 30' Mast Arm,  
Drilled Shaft Foundation, Typ A (Max Height 22')
- (P) Pedestrian Indication w/ Countdown
- (P) New Pedestal & Base on "A" Foundation

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT  
OF TRANSPORTATION**

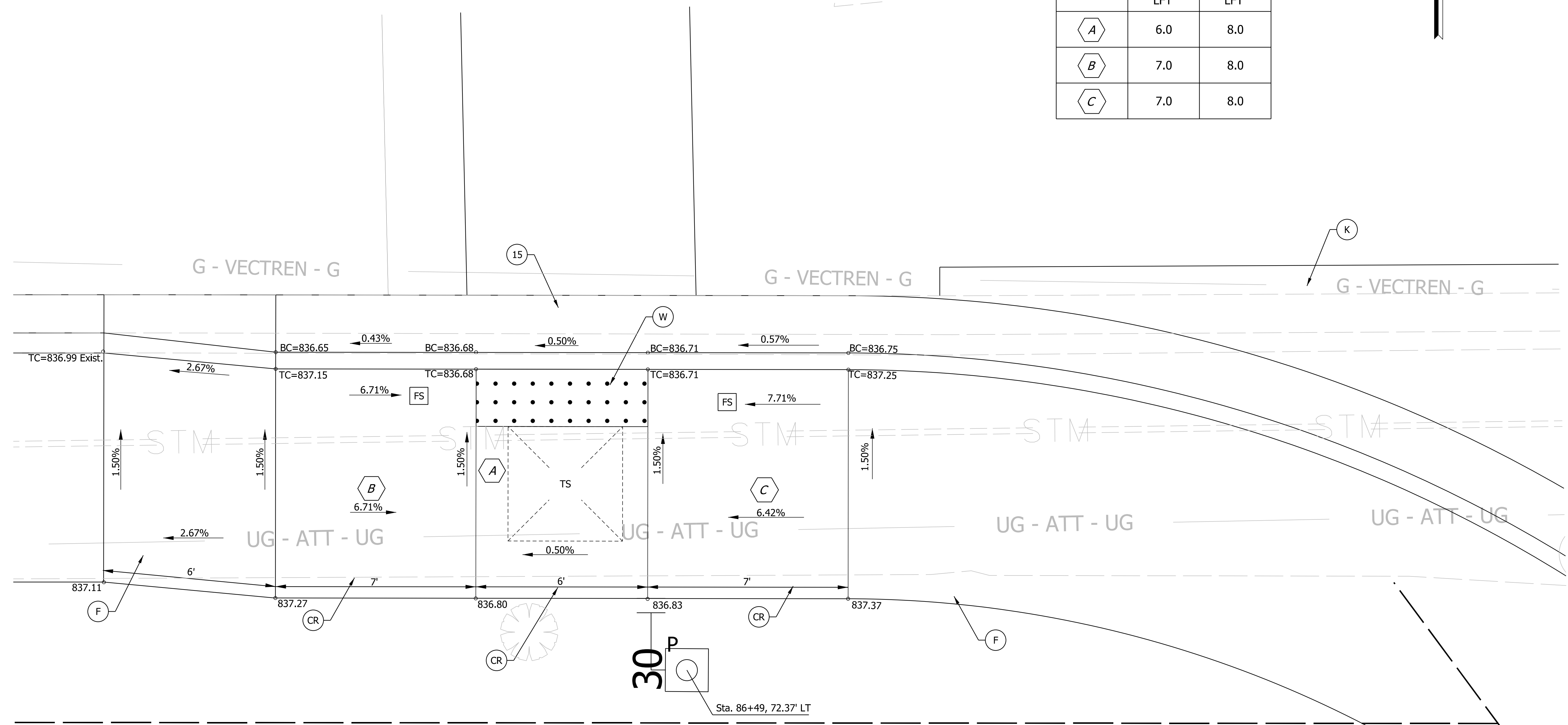
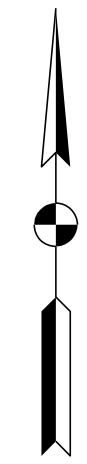
**CURB RAMP DETAILS  
SMITH RD SW CROSSING**

SCALE 1"=2'	BRIDGE FILE N/A
	DESIGNATION 1800208
SURVEY BOOK Electronic	SHEETS 19 of 22
CONTRACT R-41465	PROJECT 1800208

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SR 46 (3rd St)

Area	Length LFT	Width LFT
A	6.0	8.0
B	7.0	8.0
C	7.0	8.0



Plot Date: 6/3/2022 10:54 AM

- LEGEND:**
- (F) Sidewalk, Concrete
  - (CR) Curb Ramp, Concrete
  - (W) Detectable Warning Surface
  - (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
  - (13) Curb, Concrete
  - (15) Curb and Gutter, Concrete
  - (FS) Flared Side
  - (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
  - (P) Pedestrian Push Button, APS  
New Cantilever Signal Structure, 30' Mast Arm,  
Drilled Shaft Foundation, Typ A (Max Height 22')
  - (P) Pedestrian Indication w/ Countdown
  - (P) New Pedestal & Base on "A" Foundation

**NOT FOR CONSTRUCTION**

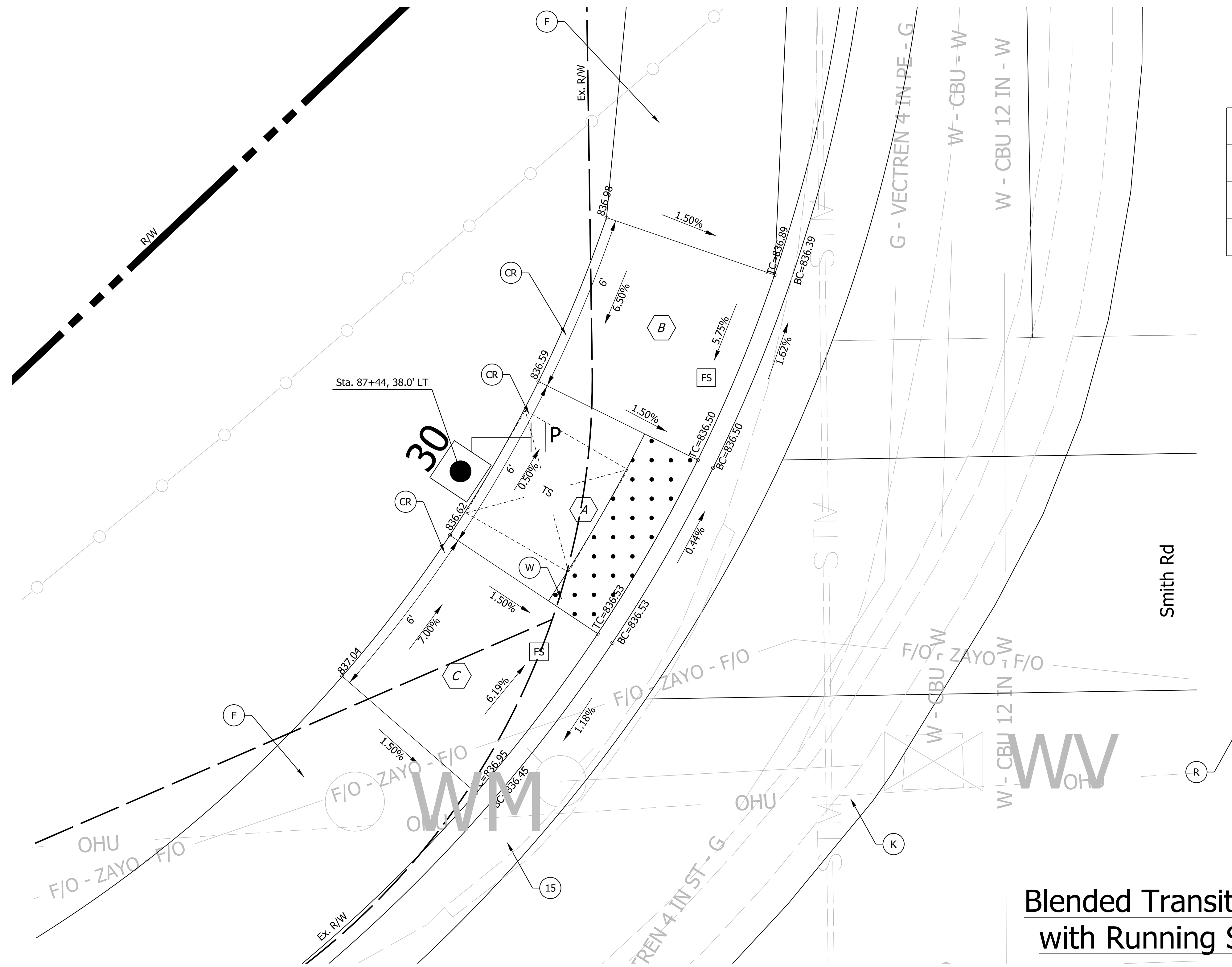
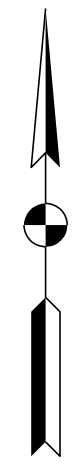
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

**INDIANA DEPARTMENT  
OF TRANSPORTATION**

**CURB RAMP DETAILS  
SR46 SW CROSSING**

SCALE	BRIDGE FILE
1"=2'	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	20 of 22
CONTRACT	PROJECT
R-41465	1800208





Area	Length LFT	Width LFT
A	6.0 / 6.78	6.0
B	6.0 / 6.78	6.0
C	6.0 / 6.78	6.0

**Blended Transition Curb Ramp  
with Running Slope <math>< 2.00\%</math>**

**LEGEND:**

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (W) Detectable Warning Surface
- (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
- (13) Curb, Concrete
- (15) Curb and Gutter, Concrete
- (FS) Flared Side
- (K) Full Depth HMA composed of:  
165 lb/Sy, Type C, Surface  
440 lb/Sy, Type C, Intermediate  
440 lb/Sy, Type C, Base
- (P) Pedestrian Push Button, APS
- (New Cantilever Signal Structure, 30' Mast Arm,  
Drilled Shaft Foundation, Typ A (Max Height 22'))
- (Pedestrian Indication w/ Countdown)
- (New Pedestal & Base on "A" Foundation)

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

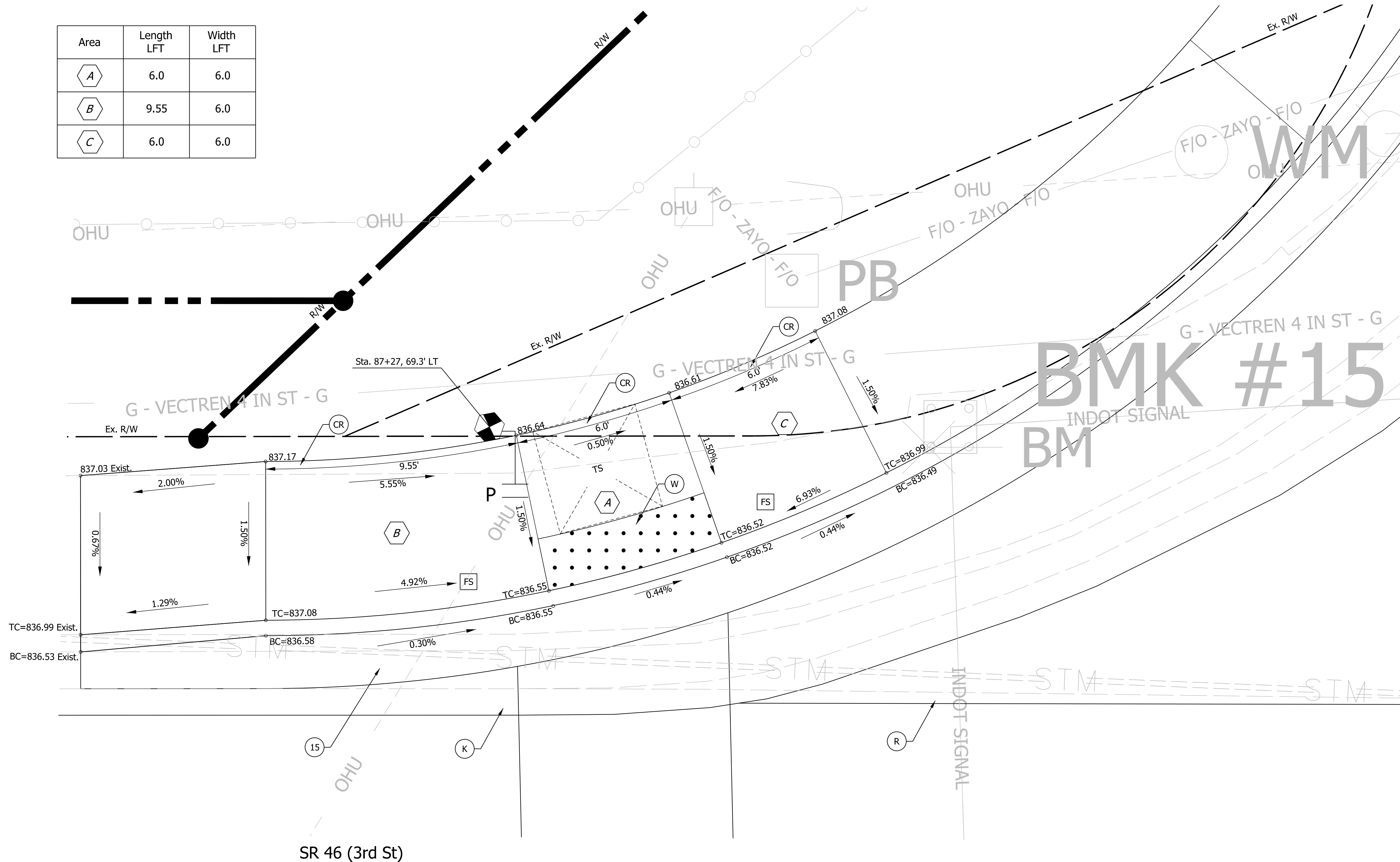
**INDIANA DEPARTMENT  
OF TRANSPORTATION**

**CURB RAMP DETAILS  
SMITH RD NW CROSSING**

SCALE	BRIDGE FILE
1"=2"	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	21 of 22
CONTRACT	PROJECT
R-41465	1800208

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Area	Length LFT	Width LFT
A	6.0	6.0
B	9.55	6.0
C	6.0	6.0



LEGEND:

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (W) Detectable Warning Surface
- (R) Mill and Overlay, 1.5" composed of:  
165 lb/syd QC/QA - HMA, 3, 70, SURFACE, 12.5 mm
- (13) Curb, Concrete
- (15) Curb and Gutter, Concrete
- (K) Full Depth HMA composed of:  
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440 lb/Sy, Type C, Intermediate  
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- (Pedestrian Indication w/ Countdown)
- (New Pedestal & Base on "A" Foundation)

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	6/3/2022	DATE
DESIGNED: MLM	6/3/2022	DRAWN: MLM	6/3/2022
CHECKED: KLT	6/3/2022	CHECKED: KLT	6/3/2022

INDIANA DEPARTMENT OF TRANSPORTATION  
**CURB RAMP DETAILS**  
SR46 NW CROSSING

SCALE	BRIDGE FILE
1"=2"	N/A
	DESIGNATION
	1800208
SURVEY BOOK	SHEETS
Electronic	22 of 22
CONTRACT	PROJECT
R-41465	1800208

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