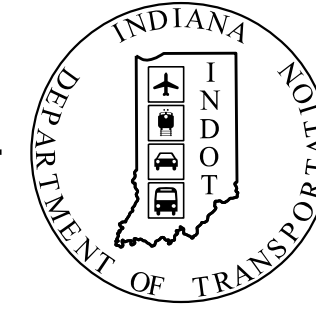


PROJECT	DESIGNATION
1900138	1900138
CONTRACT	
R-42375	

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

ROUTE: S.R. 3 AT: RP 200+0.974  
 PROJECT NO. 1900138 P.E.  
 1900138 R/W  
 1900138 CONST.

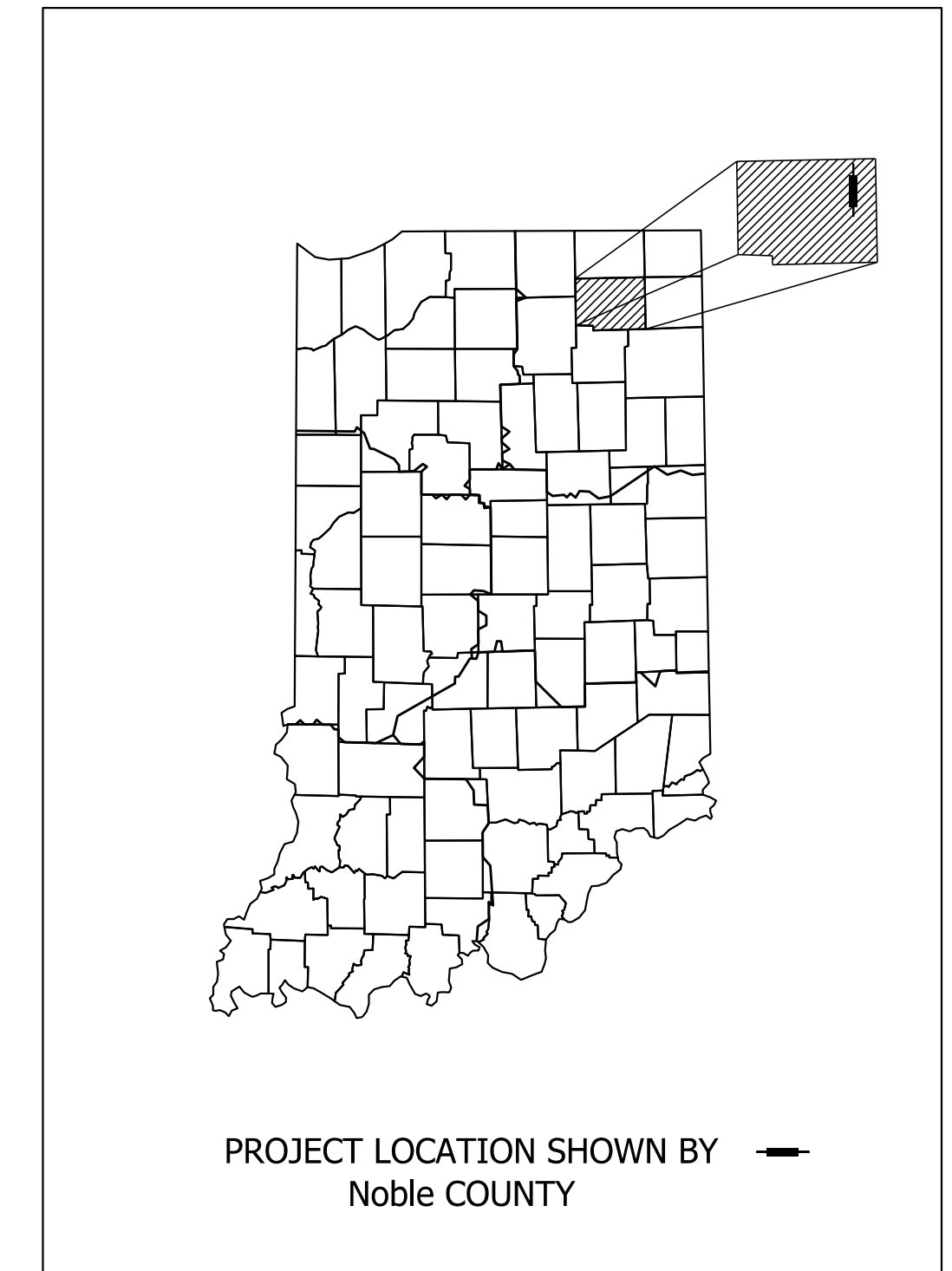
NO ADDITIONAL RIGHT OF WAY  
 REQUIRED FOR THIS PROJECT

Intersection Improvement at S.R. 3 and Waits Road  
 from approx. 2,000 feet south of the Intersection  
 to approx. 1,500 feet north of the Intersection.  
 Sections 4, 5, and 9, T-34-N, R-11-E, Allen Township, Noble County, Indiana

TRAFFIC DATA	Line "F" - S.R. 3	Line "S-3-F" - Waits Rd.
A.A.D.T. (2024)	12,500 V.P.D.	920 V.P.D.
A.A.D.T. (2044)	15,260 V.P.D.	1,120 V.P.D.
D.H.V. (2044)	1,984 V.P.H.	146 V.P.H.
DIRECTIONAL DISTRIBUTION	51 %	57 %
TRUCKS	9.0 % A.A.D.T. 9.0 % D.H.V.	8.0 % A.A.D.T. 8.0 % D.H.V.

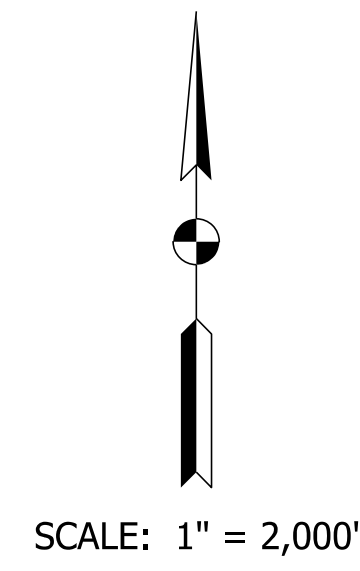
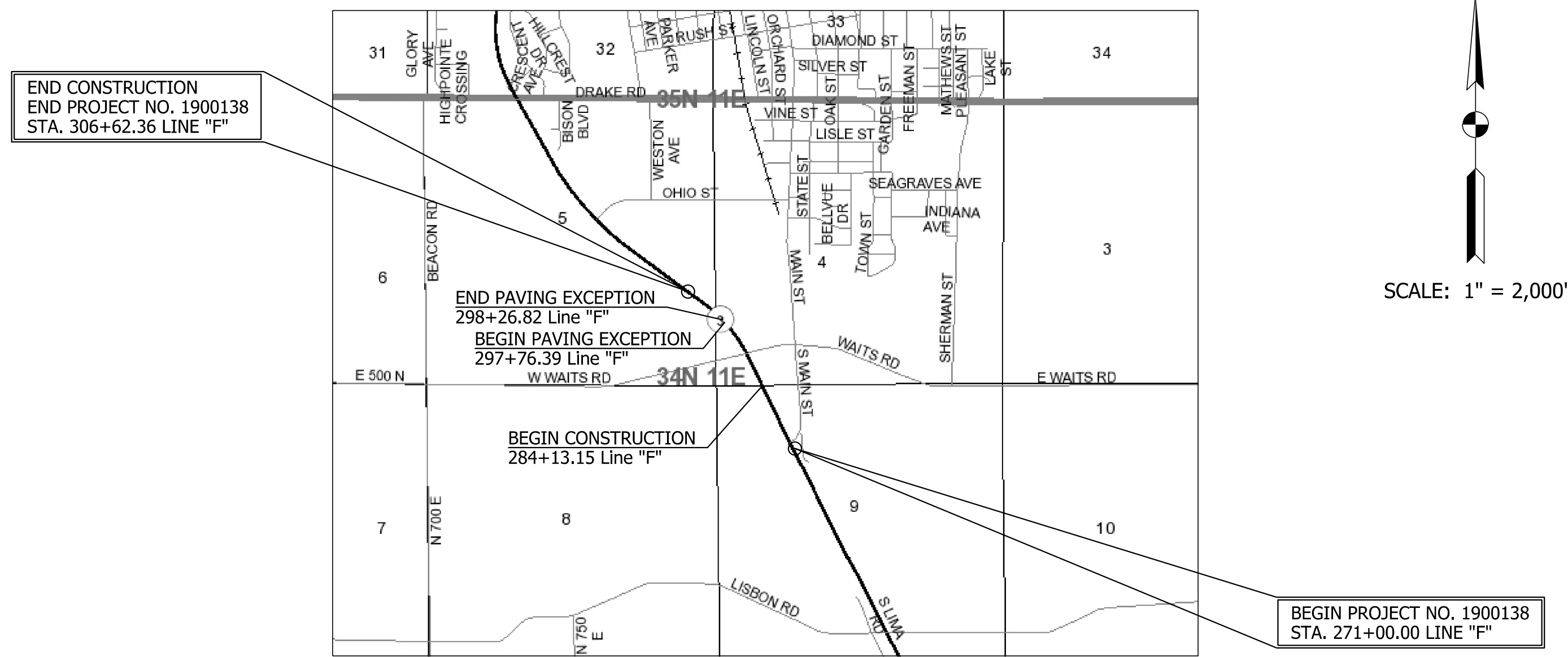
  

DESIGN DATA	Line "F" - S.R. 3	Line "S-3-F" - Waits Rd.
DESIGN SPEED	55 M.P.H.	30 East / 40 West M.P.H.
PROJECT DESIGN CRITERIA	3R (Non-Freeway)	3R (Non-Freeway)
FUNCTIONAL CLASSIFICATION	Minor Arterial	Local Road
RURAL/URBAN	Rural	Rural
TERRAIN	Level	Level
ACCESS CONTROL	None	None



LATITUDE: 41°25'30"	LONGITUDE: 85°16'05"
GROSS LENGTH: _____	0.67 MI.
NET LENGTH: _____	0.416 MI.
MAX. GRADE: _____	0.72 %

PUBLIC HEARING PLANS  
 JUNE 28, 2022



Location Map  
 Noble County

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

Plot: 6/28/2022 1:40:11 PM

Copyright CMT, Inc.  
 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: \_\_\_\_\_ 6/28/2022 DATE  
 APPROVED FOR LETTING: \_\_\_\_\_ INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	N/A
DESIGNATION	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 71
CONTRACT	PROJECT
R-42375	1900138

UTILITIES					
UTILITY	ADDRESS	CITY/STATE/ZIP	CONTACT NAME	PHONE	E-MAIL
American Electric Power (AEP) Electric Distribution	-	-	Joshua D. Adams	(614) 933-2297	tl_publicprojects@aep.com
AT&T Distribution	116 East Taylor Street	Kokomo, IN 46901	David Smith	(765) 454-5021	ds8383@att.com
Crossroads Pipeline Company Petroleum	-	-	Brian Ellis	(419) 615-0872	brian_ellis@transcanada.com
Indiana Fiber Network LLC Communication	722 North High School Road	Indianapolis, IN 46214	Mark Zoltek	(317) 777-7820	mark.zoltek@zayo.com
City of Kendallville Sanitary Sewer	234 Main Street	Kendallville, IN	Mark Schultz	(260) 347-2311	mschultz@kendallville-in.org
City of Kendallville Water	234 Main Street	Kendallville, IN	Mark Schultz	(260) 347-2311	mschultz@kendallville-in.org
Mediacom Communication Cable TV	234 Main Street	Kendallville, IN	Dustin Kroeckel	(260) 927-3015	Dkroeckel1@mediacomcc.com
NIPSCO Gas	801 East 86th Avenue	Merrillville, IN 46410	Dean Garrett	(219) 647-6260	DAGarrett@NISource.com

Note: Utility coordination is in progress. Utility contact information may be revised as it is coordinated.

GENERAL NOTES
Place general notes here.

INDEX	
SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3 - 9	TYPICAL CROSS SECTIONS
10	GEOMETRIC TIE-UP
11 - 25	MAINTENANCE OF TRAFFIC
26 - 29	PLAN AND PROFILE
30 - 31	SUPERELEVATION DETAILS
32 - 33	INTERSECTION DETAILS
34 - 35	DITCH PLAN AND PROFILE
36	DRAINAGE DETAIL SHEET
37	TREE TRIM LAYOUT
38 - 39	EROSION CONTROL DETAILS
40	TRAFFIC SIGNAL DETAIL
41 - 43	EXISTING SIGN PLAN
44 - 46	PAVEMENT MARKING AND SIGN DETAILS
47	PAVEMENT MARKINGS TABLE
48 - 49	SHEET SIGN AND POST TABLE
50 - 52	PROPOSED LIGHTING PLANS
53	LIGHTING DETAILS
54	LUMINAIRE SCHEDULE, DESIGN DATA, SERVICE POINT TABLES AND LIGHTING DETAILS
55	TEMPORARY EROSION CONTROL TABLE
56	APPROACH TABLE
57	STRUCTURE DATA TABLE
58 - 71	CROSS SECTIONS

REVISIONS		
SHEET NO.	DATE	REVISED
\$sht1\$	\$date1\$	\$rev1\$
\$sht2\$	\$date2\$	\$rev2\$
\$sht3\$	\$date3\$	\$rev3\$
\$sht4\$	\$date4\$	\$rev4\$
\$sht5\$	\$date5\$	\$rev5\$
\$sht6\$	\$date6\$	\$rev6\$
\$sht7\$	\$date7\$	\$rev7\$
\$sht8\$	\$date8\$	\$rev8\$
\$sht9\$	\$date9\$	\$rev9\$
\$sht10\$	\$date10\$	\$rev10\$
\$sht11\$	\$date11\$	\$rev11\$
\$sht12\$	\$date12\$	\$rev12\$
\$sht13\$	\$date13\$	\$rev13\$
\$sht14\$	\$date14\$	\$rev14\$
\$sht15\$	\$date15\$	\$rev15\$
\$sht16\$	\$date16\$	\$rev16\$



CALL TWO WORKING DAYS BEFORE YOU DIG  
**Call 811 or 800-382-5544**

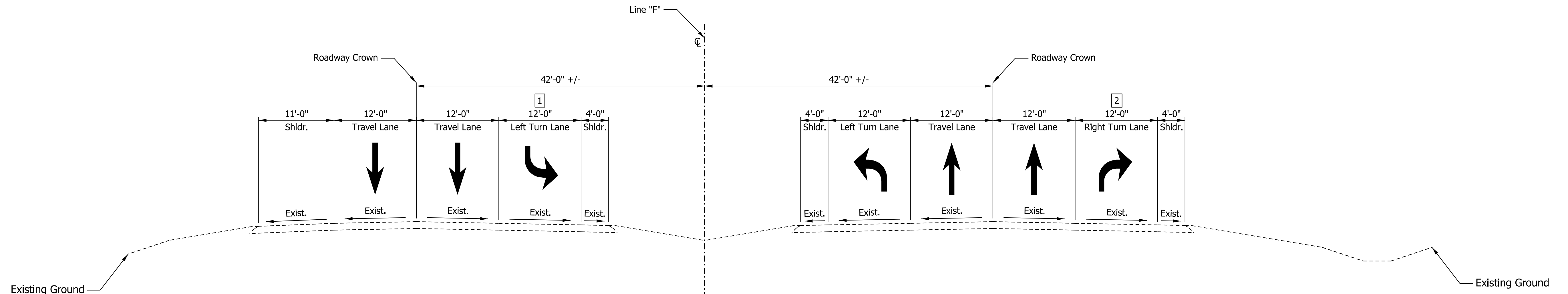
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: ELM 10/13/2021	DRAWN: ELM 10/13/2021	
CHECKED: KJR 10/26/2021	CHECKED: KJR 10/26/2021	

INDIANA  
DEPARTMENT OF TRANSPORTATION

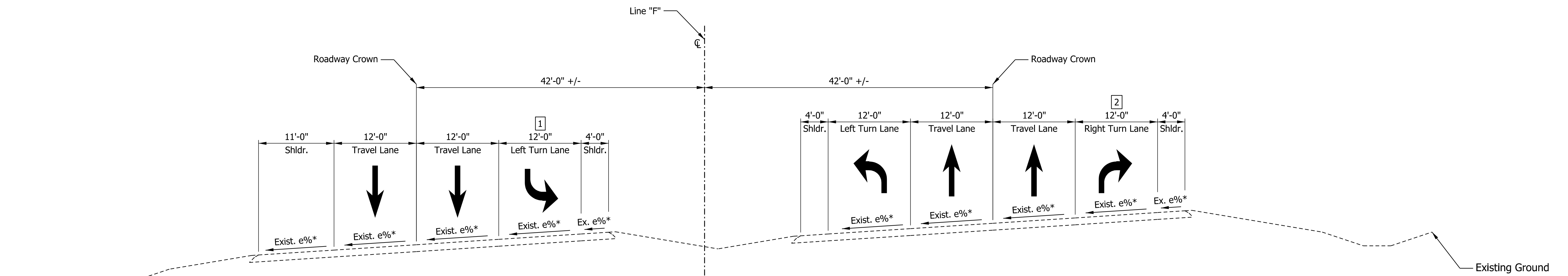
INDEX AND GENERAL NOTES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	2 of 71
CONTRACT	PROJECT
R-42375	1900138



**EXISTING TYPICAL SECTION - SR 3**

STA. 284+00.00 TO STA. 289+83.14 "F"  
 STA. 304+08.14 TO STA. 307+00.00 "F"



**EXISTING TYPICAL SUPERELEVATED SECTION - SR 3**

STA. 289+83.14 TO STA. 304+08.14 "F"

\*See Superelevation Details for slope transitions

- 1 Lane begins at Sta. 290+82.10  
 Varies from 12'-0" at Sta. 296+00.00 to 0'-0" at Sta. 297+50.00 "F"  
 0'-0" from Sta. 297+50.00 to Sta. 307+00.00 "F"
- 2 0'-0" from Sta. 284+00.00 to Sta. 284+38.14 "F"  
 Varies from 0'-0" at Sta. 284+38.14 to 12'-0" at Sta. 285+88.14 "F"  
 Lane ends at Sta. 290+82.10 "F"

Pct: 6/28/2022 1:40:19 PM

**LEGEND:**  
 (K1) Full Depth HMA, Consisting of:  
 165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
 275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
 330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on  
 250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on  
 330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on  
 Subgrade Treatment Type IVA

- (O) Variable Depth Compacted Aggregate, No. 53
- (27) Seeding

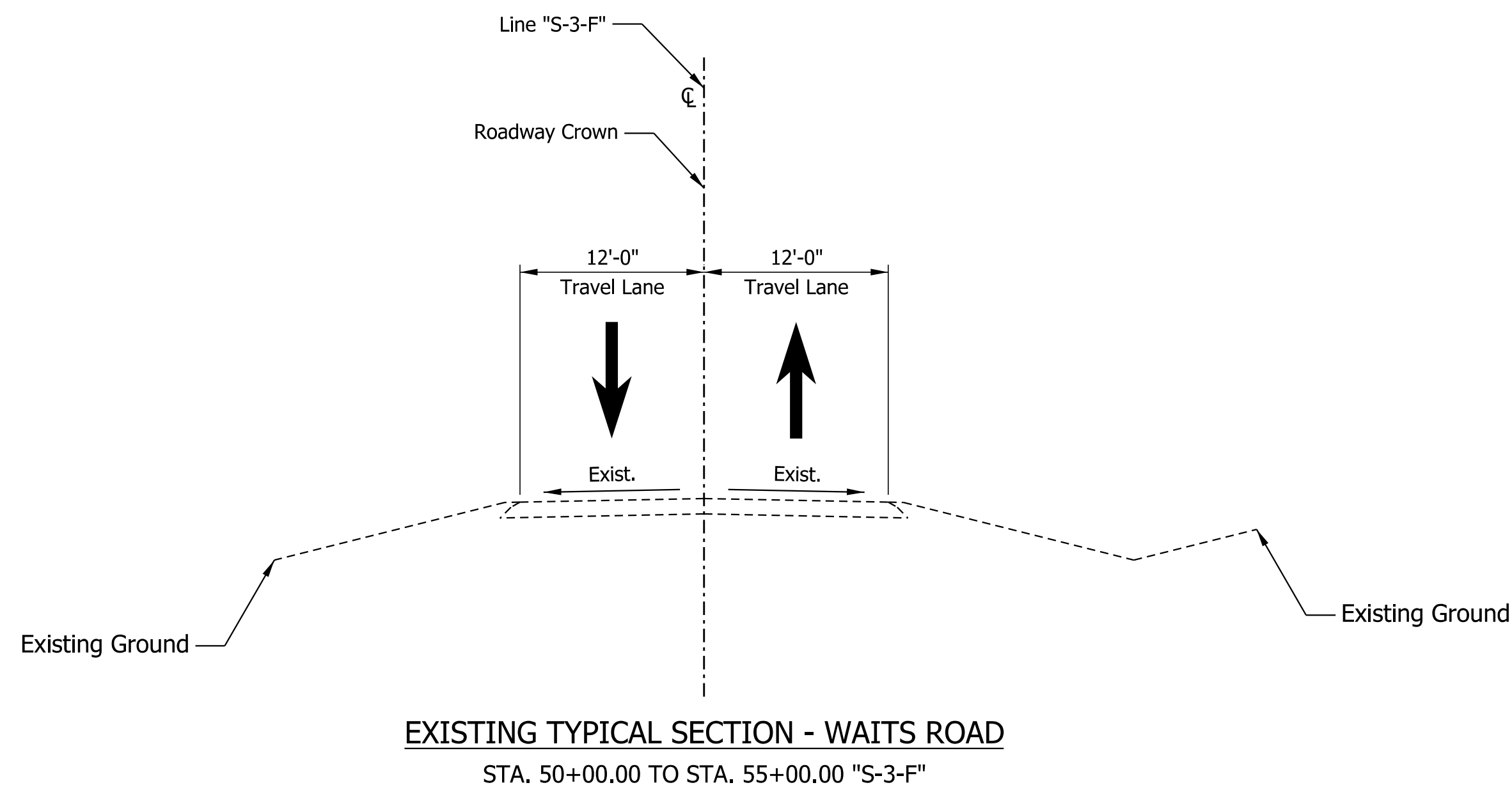
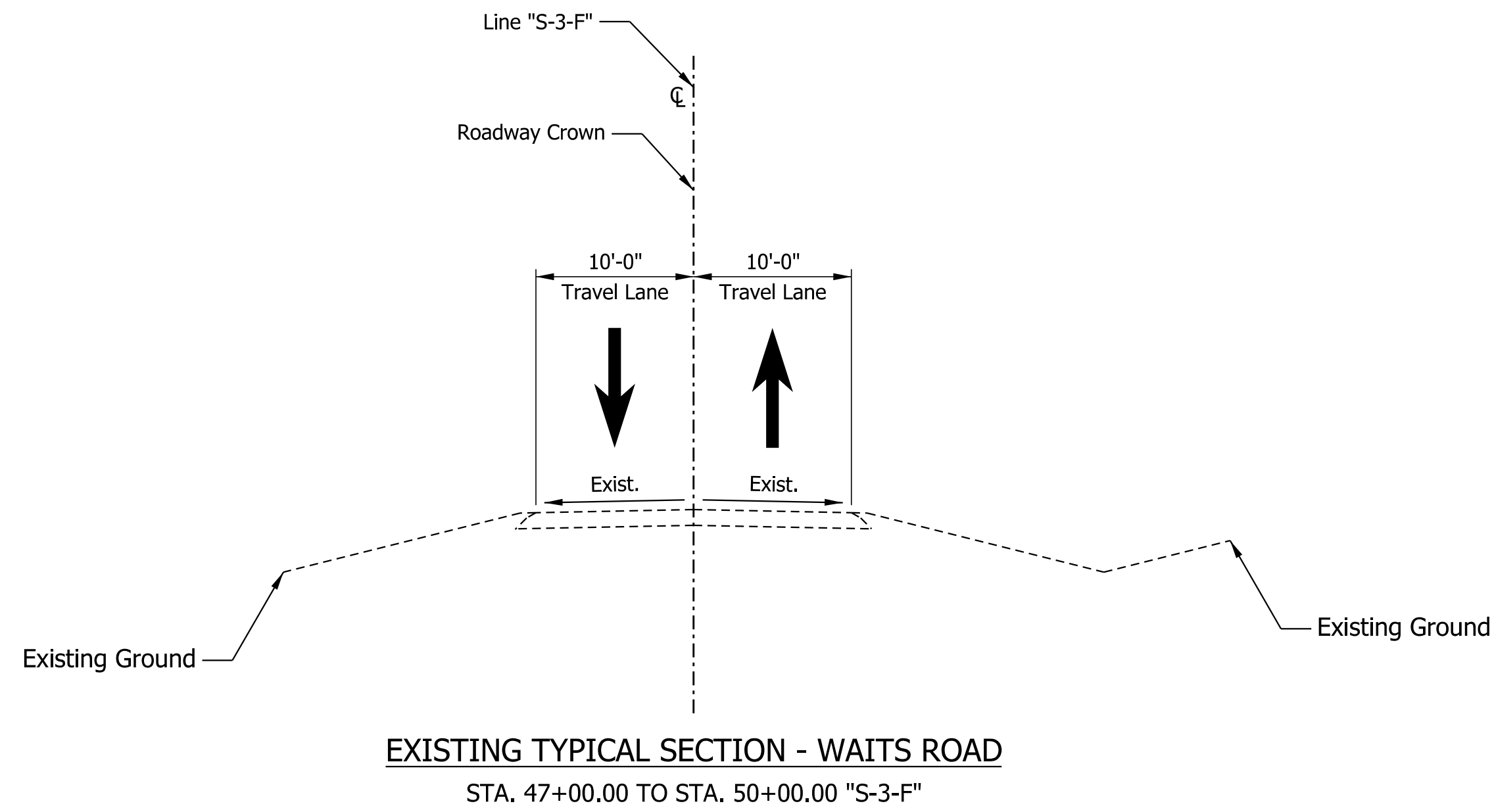
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
10/13/2021		10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR
		10/26/2021

INDIANA  
 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL CROSS SECTIONS  
 LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:40:20 PM

**LEGEND:**

- (K1) Full Depth HMA, Consisting of:  
 165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
 275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
 330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on  
 250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on  
 330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on  
 Subgrade Treatment Type IVA
- (O) Variable Depth Compacted Aggregate, No. 53
- (27) Seeding

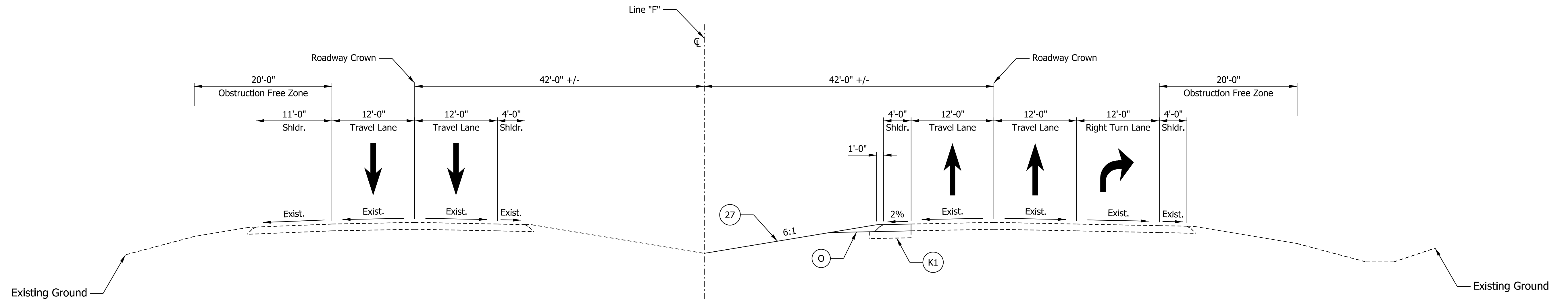
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RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
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CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021		

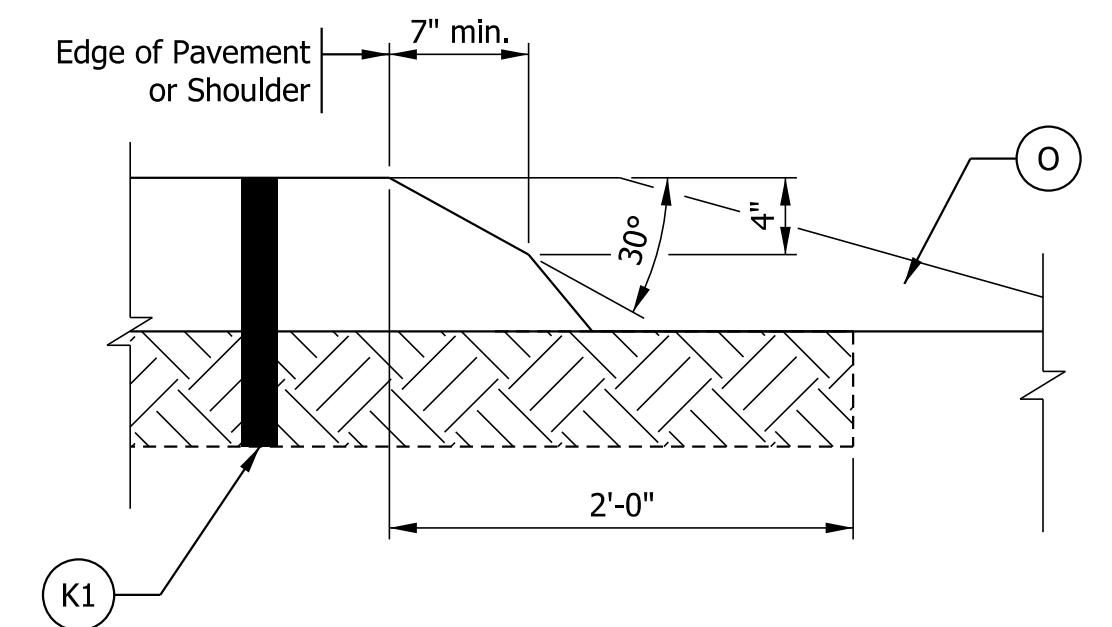
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL CROSS SECTIONS  
LINE "S-3-F"**

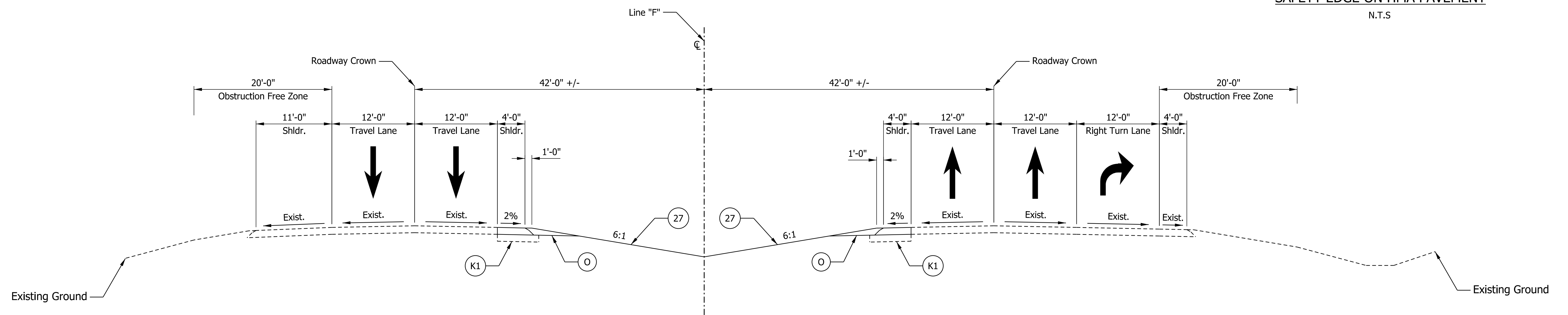
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 71
CONTRACT	PROJECT
R-42375	1900138



**TYPICAL SECTION - SR 3**  
STA. 284+13.15 TO STA. 289+17.60 "F"



**SAFETY EDGE ON HMA PAVEMENT**  
N.T.S



**TYPICAL SECTION - SR 3**  
STA. 289+17.60 TO STA. 289+83.14 "F"

Note:  
The assumed pavement section matches the Engineer's Assessment.  
A pavement design will be completed for a future submittal.

- LEGEND:**
- (K1) Full Depth HMA, Consisting of:  
165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on  
250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on  
330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on  
Subgrade Treatment Type IVA
  - (27) Variable Depth Compacted Aggregate, No. 53
  - (27) Seeding

**NOT FOR CONSTRUCTION**

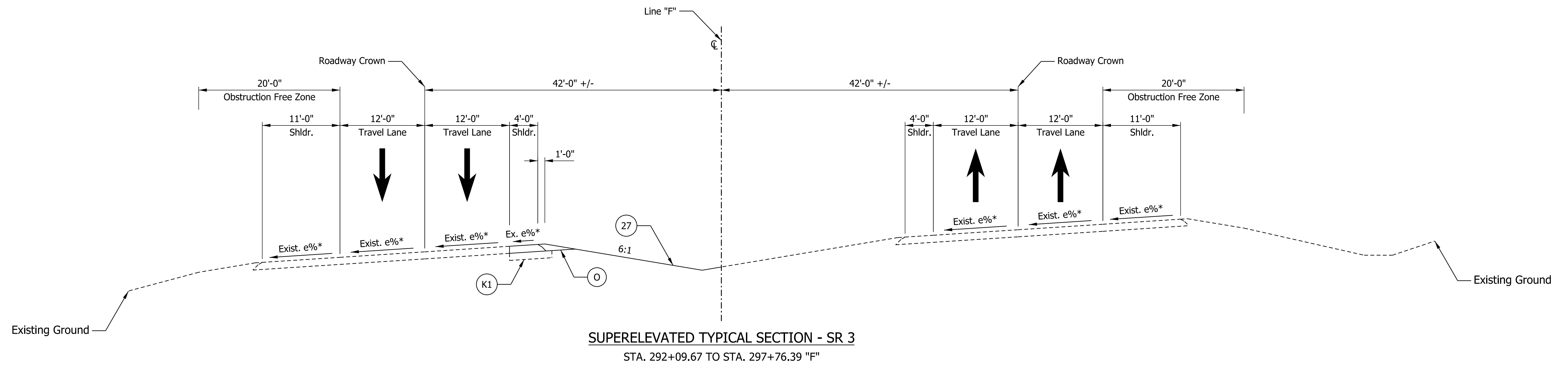
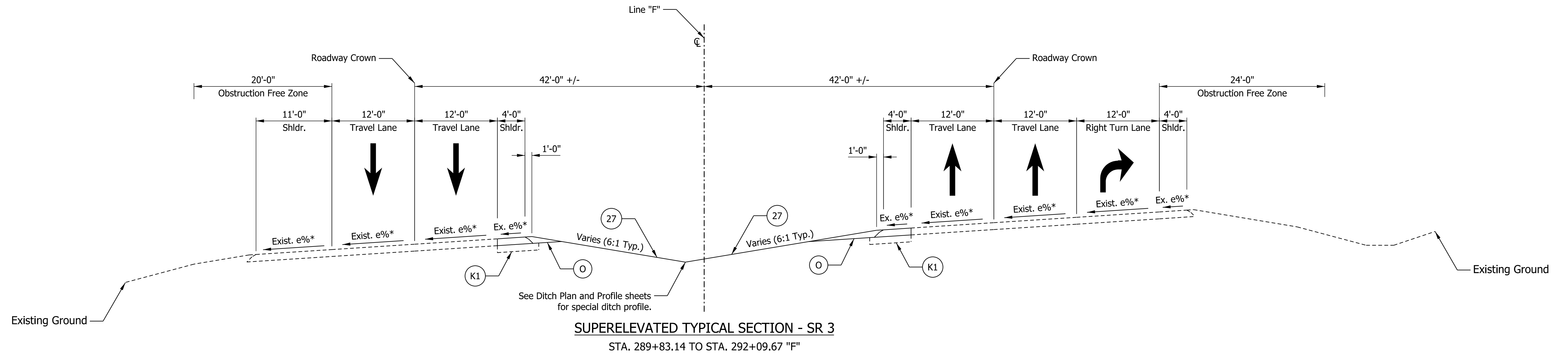
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:21 PM



Paving Exception:  
Sta. 297+76.39 to Sta. 298+26.82 "F"

\*See Superelevation Details for slope transitions

Note:  
The assumed pavement section matches the Engineer's Assessment.  
A pavement design will be completed for a future submittal.

<b>LEGEND:</b>	
(K1) Full Depth HMA, Consisting of: 165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on 275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on 250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on Subgrade Treatment Type IVA	(O) Variable Depth Compacted Aggregate, No. 53
	(27) Seeding

NOT FOR CONSTRUCTION

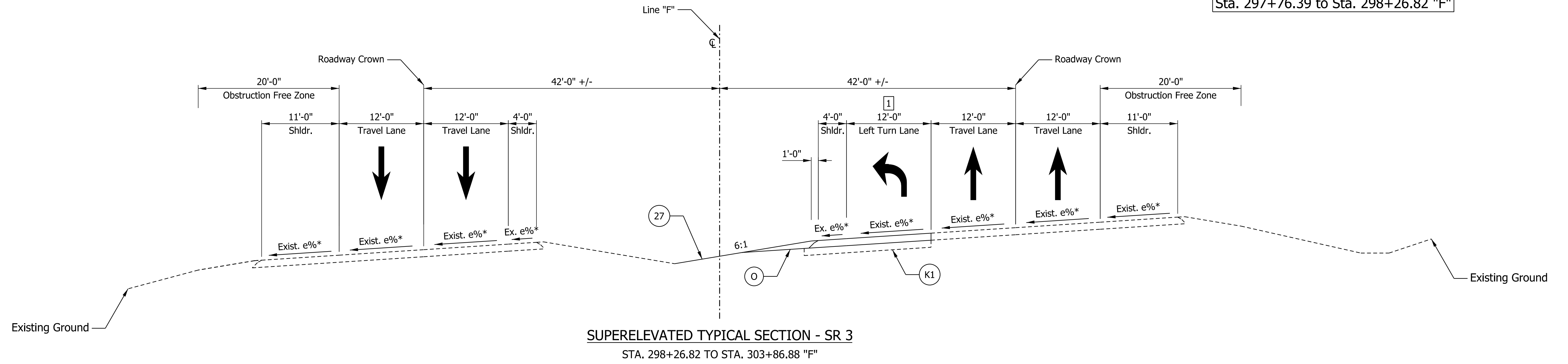
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS LINE "F"	

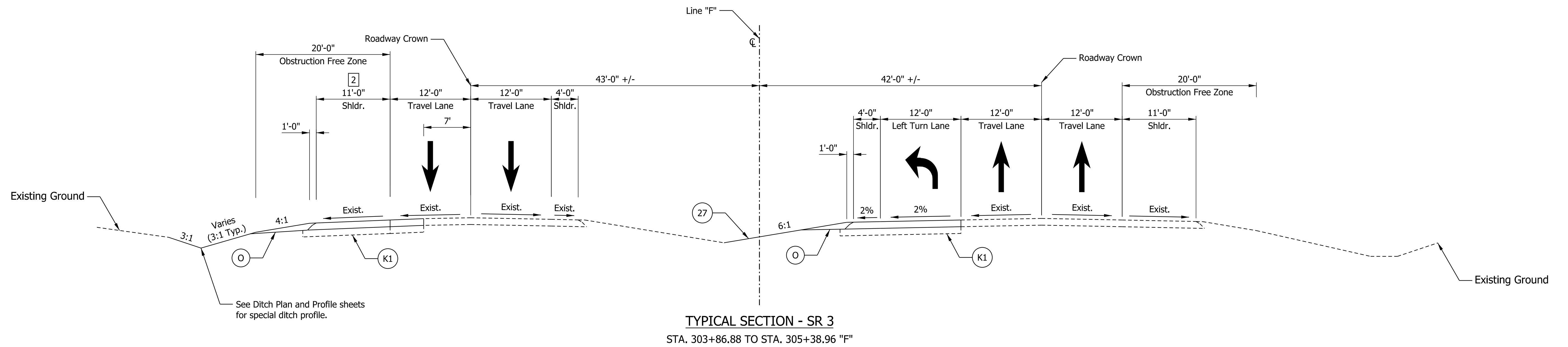
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:22 PM

Paving Exception:  
Sta. 297+76.39 to Sta. 298+26.82 "F"



**SUPERELEVATED TYPICAL SECTION - SR 3**  
STA. 298+26.82 TO STA. 303+86.88 "F"



**TYPICAL SECTION - SR 3**  
STA. 303+86.88 TO STA. 305+38.96 "F"

\*See Superelevation Details for slope transitions

1 Varies from 9'-0" at Sta. 303+86.88 to 17'-0" at Sta. 305+38.96'F''

Note:  
The assumed pavement section matches the Engineer's Assessment.  
A pavement design will be completed for a future submittal.

<b>LEGEND:</b>	
(K1) Full Depth HMA, Consisting of: 165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on 275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on 250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on Subgrade Treatment Type IVA	(O) Variable Depth Compacted Aggregate, No. 53 (27) Seeding

**NOT FOR CONSTRUCTION**

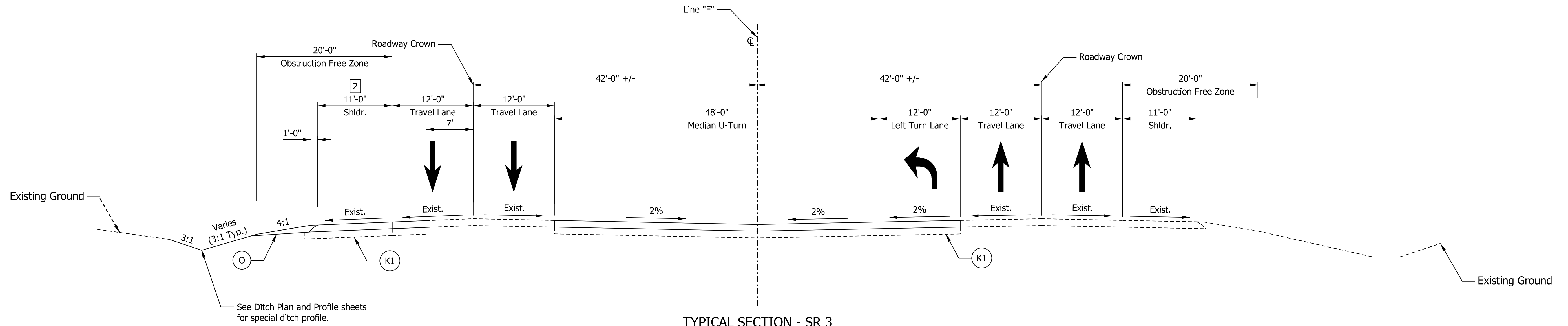
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DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	7 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:23 PM



**TYPICAL SECTION - SR 3**  
 STA. 305+38.96 TO STA. 306+62.36 "F"

See Ditch Plan and Profile sheets for special ditch profile.

3 17'-0" from Sta. 305+39.86 to Sta. 306+12.36 "F"  
 Varies from 17'-0" at Sta. 306+12.36 to 9'-0" at Sta. 305+38.96 "F"

Note:  
 The assumed pavement section matches the Engineer's Assessment.  
 A pavement design will be completed for a future submittal.

LEGEND:

(K1) Full Depth HMA, Consisting of: 165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on 275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on 250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on 330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on Subgrade Treatment Type IVA	(O) Variable Depth Compacted Aggregate, No. 53
	(27) Seeding

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

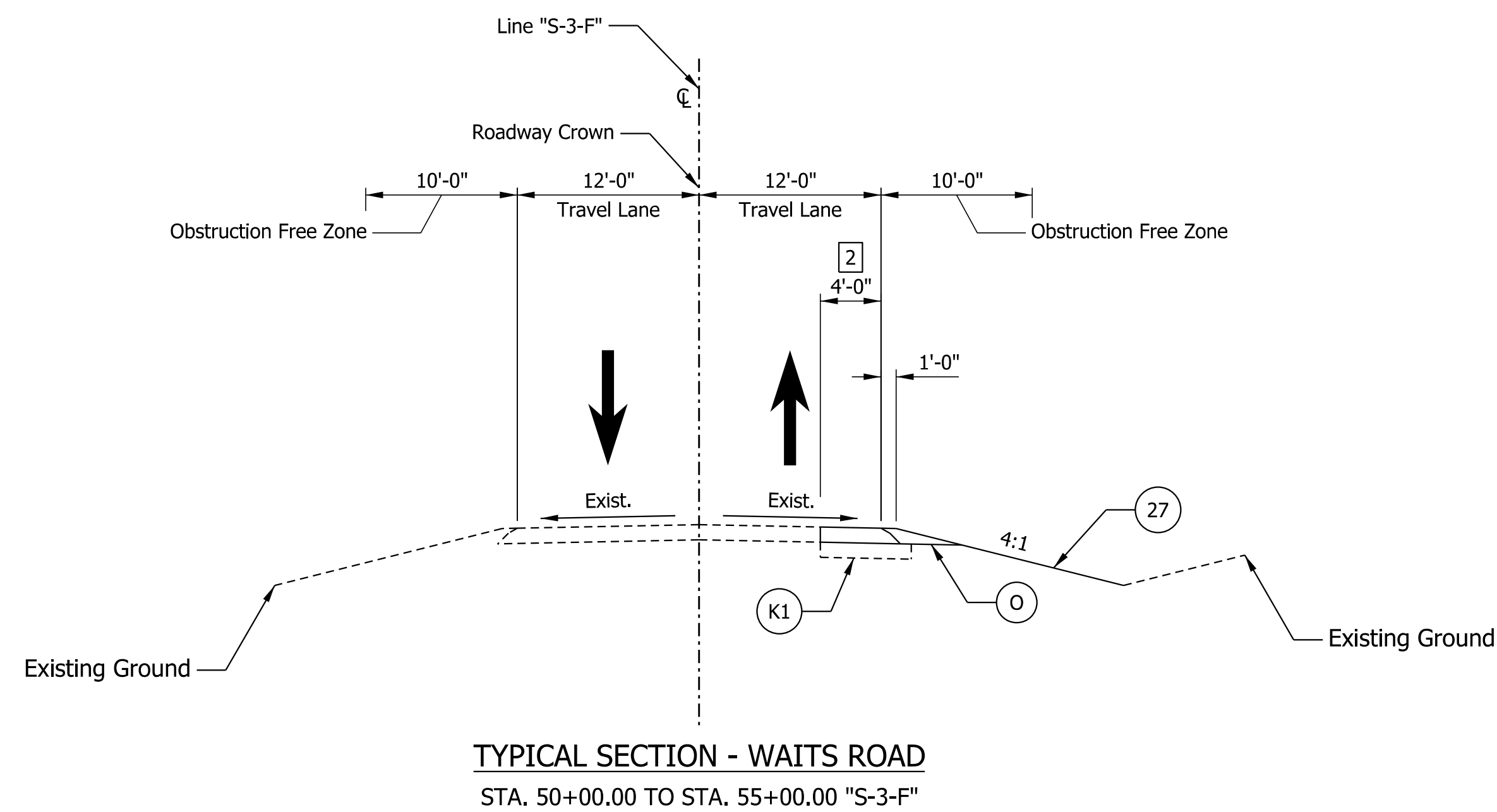
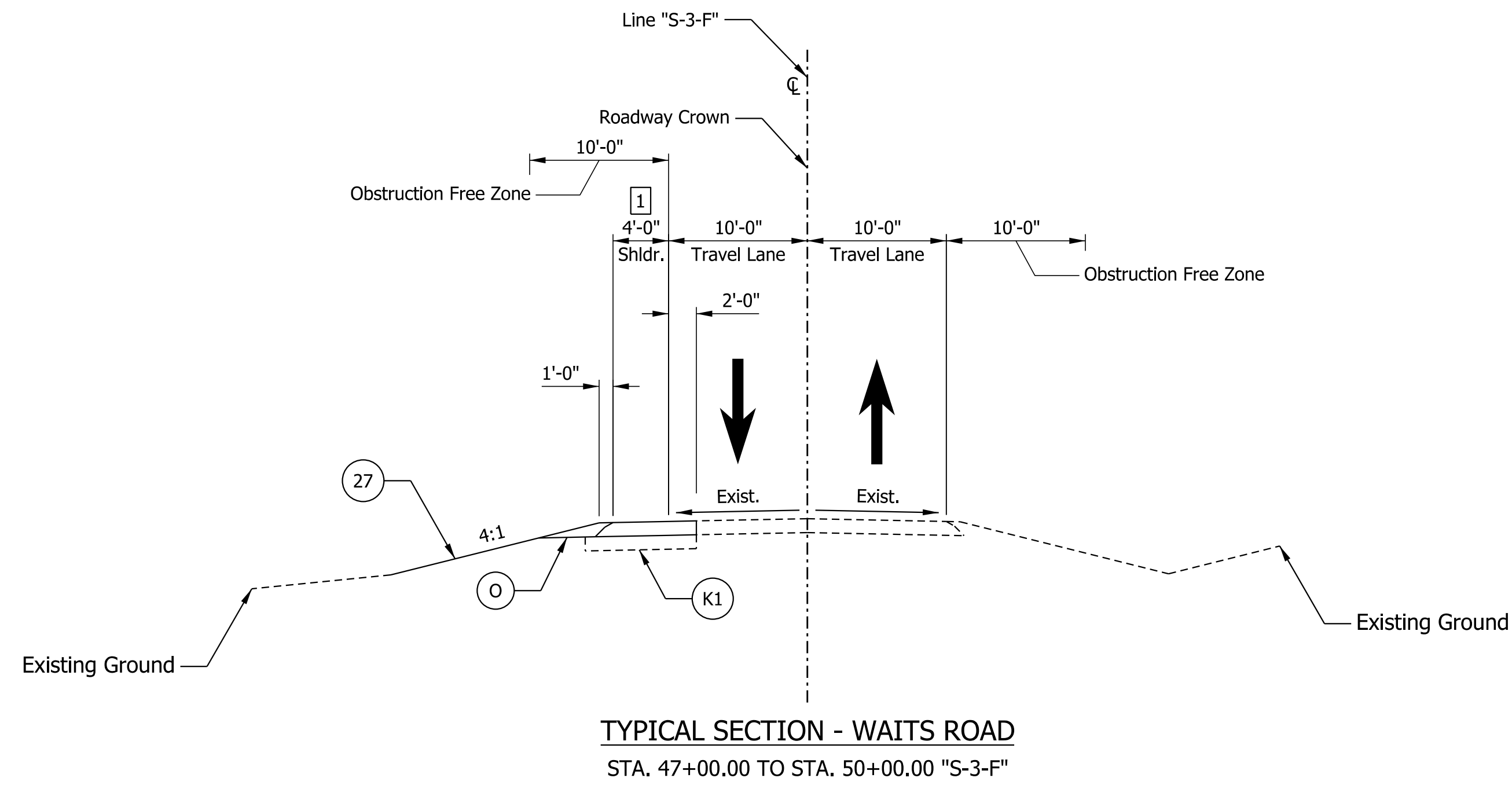
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS**  
**LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	8 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:25 PM





Note:  
The assumed pavement section matches the Engineer's Assessment.  
A pavement design will be completed for a future submittal.

1 Varies from 4'-0" at Sta. 47+81.39 to 9'-0" at Sta. 48+31.39 "S-3-F"

2 Varies from 8'-4" at Sta. 51+74.18 to 4'-0" at Sta. 52+39.80 "S-3-F"

LEGEND:

(K1) Full Depth HMA, Consisting of:  
165 #/SYD. QC/QA-HMA, 4, 76, Surface, 9.5 mm on  
275 #/SYD. QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on  
330 #/SYD. QC/QA-HMA, 4, 64, Base, 25.0 mm on  
250 #/SYD. QC/QA-HMA, 4, 76, Intermediate OG, 19.0 mm on  
330 #/SYD. QC/QA-HMA, 4, 64, Base, 19.0 mm on  
Subgrade Treatment Type IVA

(O) Variable Depth Compacted Aggregate, No. 53

(27) Seeding

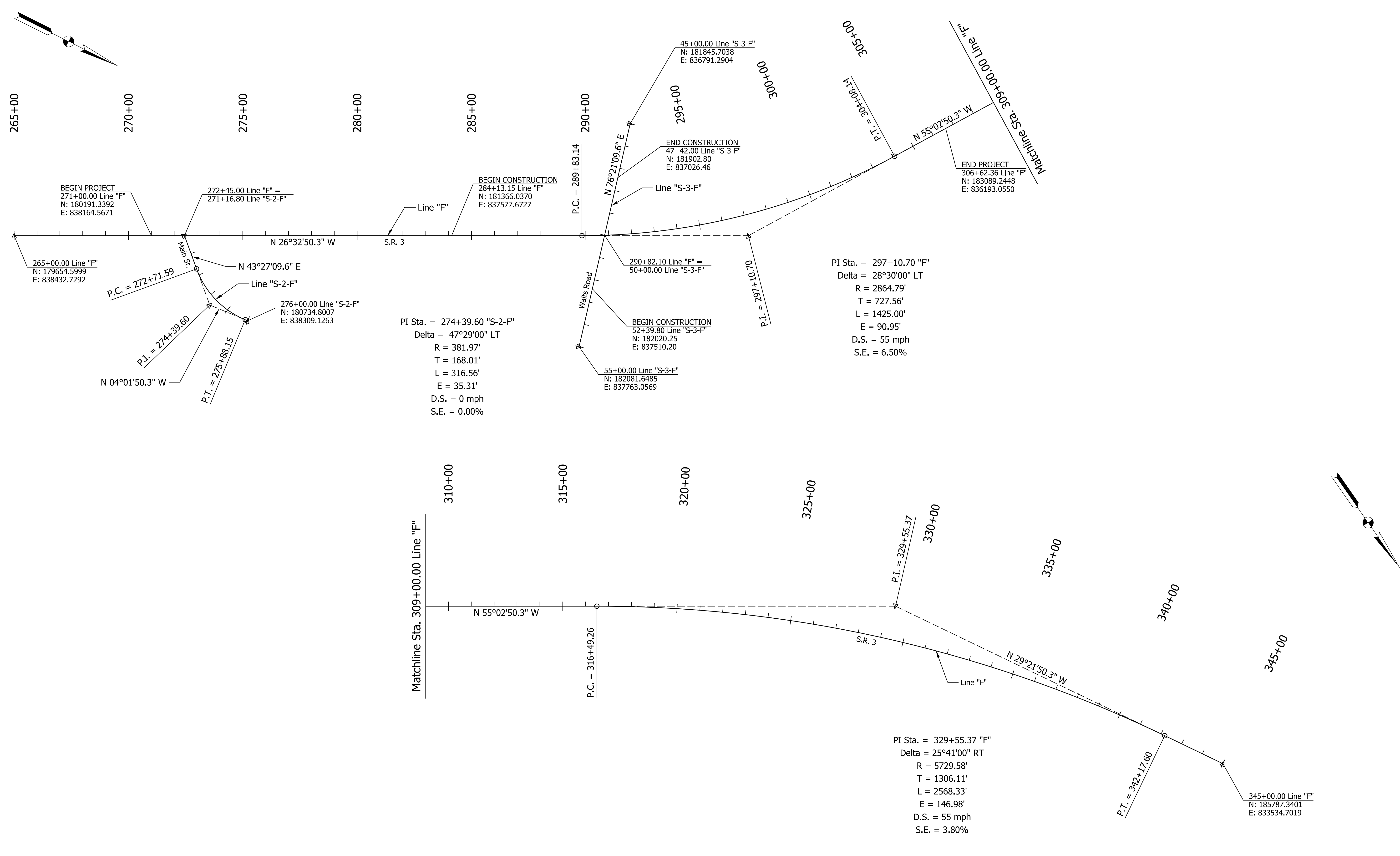
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: ELM	10/13/2021	DRAWN: ELM	10/13/2021		
CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021		

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS  
LINE "S-3-F"**

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 71
CONTRACT	PROJECT
R-42375	1900138



BEGIN PROJECT  
271+00.00 Line "F"  
N: 180191.3392  
E: 838164.5671

265+00.00 Line "F"  
N: 179654.5999  
E: 838432.7292

272+45.00 Line "F" =  
271+16.80 Line "S-2-F"

N 43°27'09.6" E

Line "S-2-F"

276+00.00 Line "S-2-F"  
N: 180734.8007  
E: 838309.1263

PI Sta. = 274+39.60 "S-2-F"  
Delta = 47°29'00" LT  
R = 381.97'  
T = 168.01'  
L = 316.56'  
E = 35.31'  
D.S. = 0 mph  
S.E. = 0.00%

BEGIN CONSTRUCTION  
284+13.15 Line "F"  
N: 181366.0370  
E: 837577.6727

290+00

P.C. = 289+83.14

Waits Road

S.R. 3

END CONSTRUCTION  
47+42.00 Line "S-3-F"  
N: 181902.80  
E: 837026.46

290+82.10 Line "F" =  
50+00.00 Line "S-3-F"

BEGIN CONSTRUCTION  
52+39.80 Line "S-3-F"  
N: 182020.25  
E: 837510.20

55+00.00 Line "S-3-F"  
N: 182081.6485  
E: 837763.0569

45+00.00 Line "S-3-F"  
N: 181845.7038  
E: 836791.2904

PI Sta. = 297+10.70 "F"  
Delta = 28°30'00" LT  
R = 2864.79'  
T = 727.56'  
L = 1425.00'  
E = 90.95'  
D.S. = 55 mph  
S.E. = 6.50%

END PROJECT  
306+62.36 Line "F"  
N: 183089.2448  
E: 836193.0550

PI Sta. = 329+55.37 "F"  
Delta = 25°41'00" RT  
R = 5729.58'  
T = 1306.11'  
L = 2568.33'  
E = 146.98'  
D.S. = 55 mph  
S.E. = 3.80%

345+00.00 Line "F"  
N: 185787.3401  
E: 833534.7019

Plot: 6/28/2022 1:40:27 PM

File: L:\INDOT\19070904-03\Draw\Sheets\RD\_Sht\_GeoTie\_01.dgn

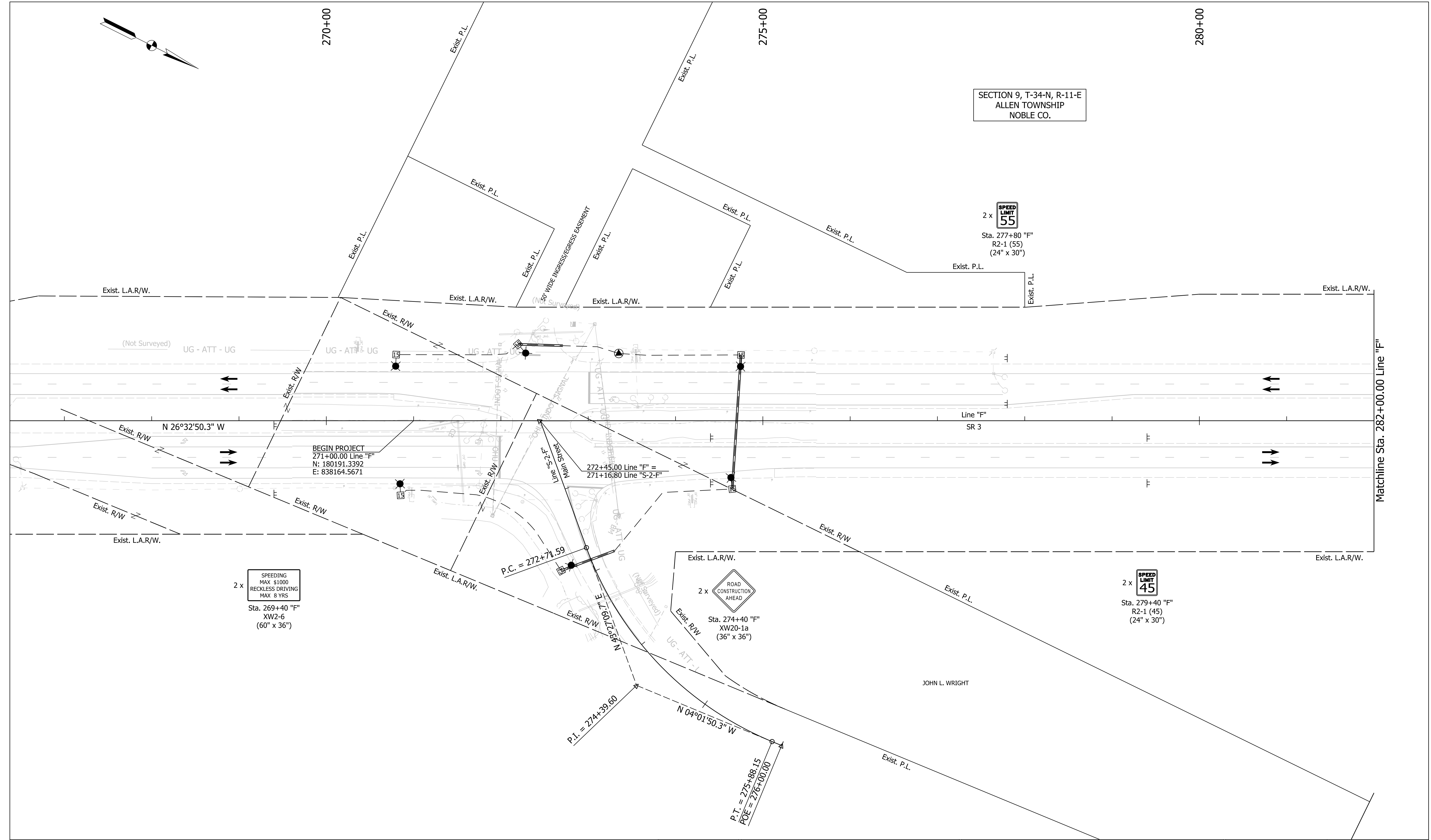
NOT FOR  
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

INDIANA  
DEPARTMENT OF TRANSPORTATION

GEOMETRIC TIE-UP

HORIZONTAL SCALE	BRIDGE FILE
1" = 200'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:40:29 PM

**LEGEND:**

	- Construction Area		• - 50' Spaced Drums		80 Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		82 Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

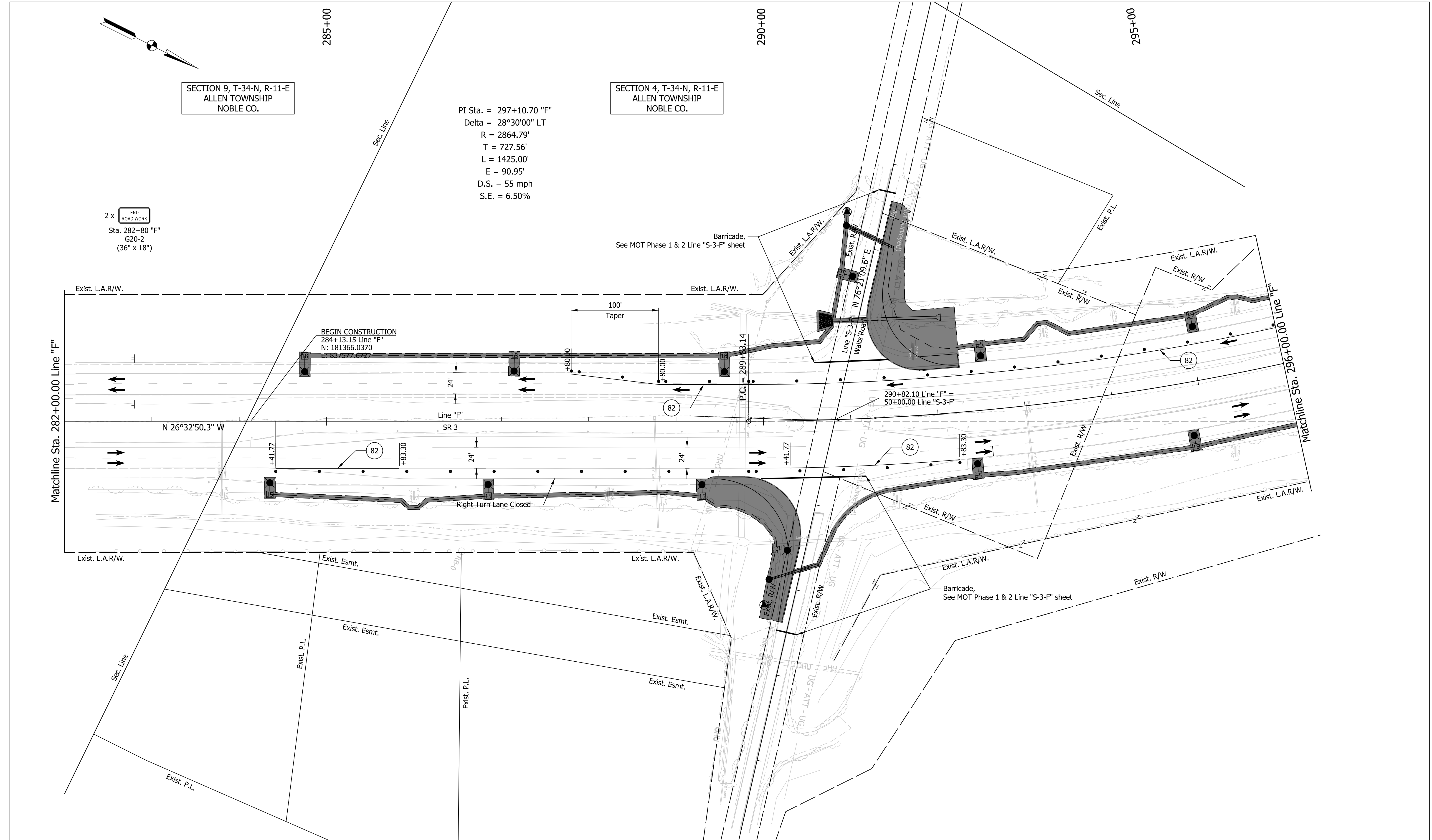
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE 1  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 71
CONTRACT	PROJECT
R-42375	1900138



SECTION 9, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

SECTION 4, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

PI Sta. = 297+10.70 "F"  
Delta = 28°30'00" LT  
R = 2864.79'  
T = 727.56'  
L = 1425.00'  
E = 90.95'  
D.S. = 55 mph  
S.E. = 6.50%

2 x END ROAD WORK  
Sta. 282+80 "F"  
G20-2  
(36" x 18")

Barricade,  
See MOT Phase 1 & 2 Line "S-3-F" sheet

Barricade,  
See MOT Phase 1 & 2 Line "S-3-F" sheet

Plot: 6/28/2022 1:40:30 PM

**LEGEND:**

	- Construction Area		- 50' Spaced Drums		Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

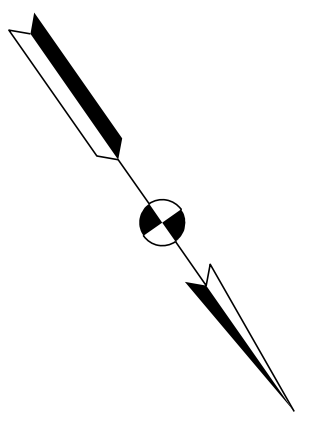
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

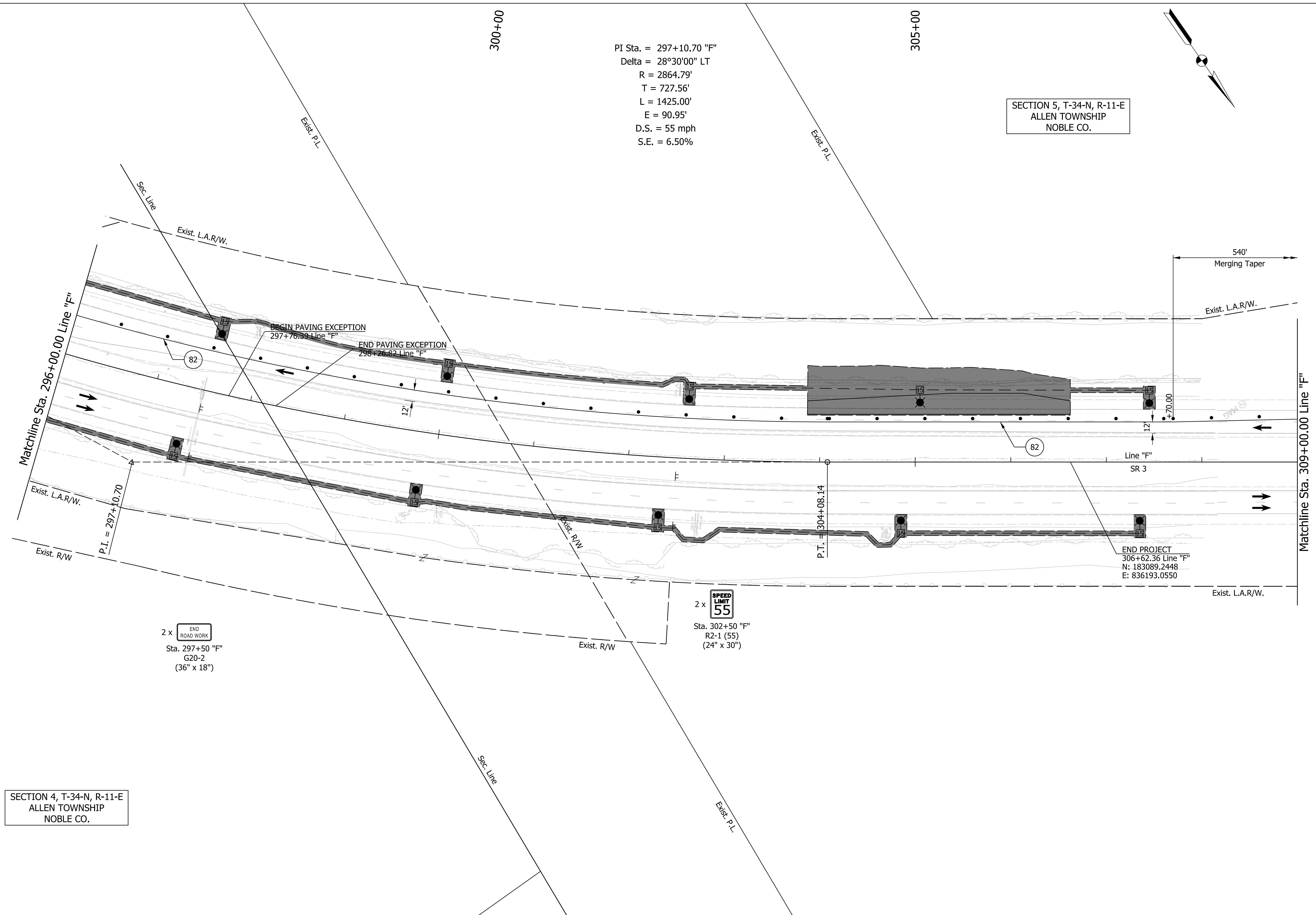
**MAINTENANCE OF TRAFFIC PHASE 1  
LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 71
CONTRACT	PROJECT
R-42375	1900138



PI Sta. = 297+10.70 "F"  
 Delta = 28°30'00" LT  
 R = 2864.79'  
 T = 727.56'  
 L = 1425.00'  
 E = 90.95'  
 D.S. = 55 mph  
 S.E. = 6.50%

SECTION 5, T-34-N, R-11-E  
 ALLEN TOWNSHIP  
 NOBLE CO.



SECTION 4, T-34-N, R-11-E  
 ALLEN TOWNSHIP  
 NOBLE CO.

**LEGEND:**

	- Construction Area		• - 50' Spaced Drums		80 Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		F - Construction Sign		82 Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

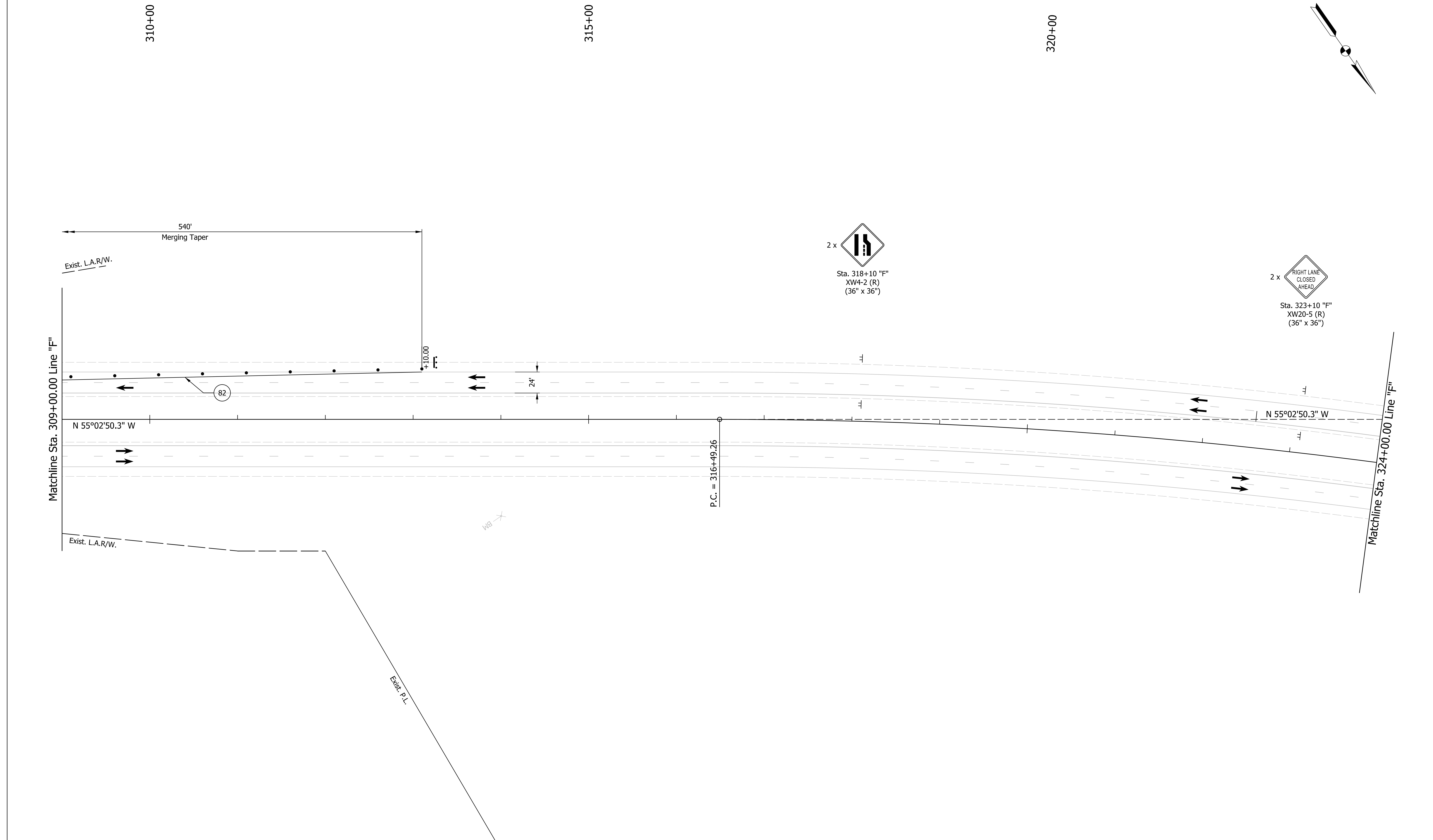
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC PHASE 1 LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 71
CONTRACT	PROJECT
R-42375	1900138

PLOT: 6/28/2022 1:40:31 PM



LEGEND:

	- Construction Area		- 50' Spaced Drums		Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 1 LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:32 PM

325+00

330+00

335+00

Matchline Sta. 324+00.00 Line "F"

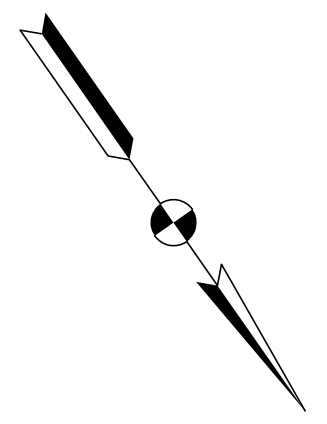
2 x  
SPEED  
LIMIT  
45  
Sta. 328+10 "F"  
R2-1 (45)  
(24" x 30")

P.I. = 329+55.37

2 x  
ROAD  
CONSTRUCTION  
AHEAD  
Sta. 333+10 "F"  
XW20-1a  
(36" x 36")

2 x  
SPEEDING  
MAX \$1000  
RECKLESS DRIVING  
MAX 8 YRS  
Sta. 338+10 "F"  
XW2-6  
(60" x 36")

N 29°21'50.3" W



Plot: 6/28/2022 1:40:33 PM

**LEGEND:**

	- Construction Area		- 50' Spaced Drums		Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

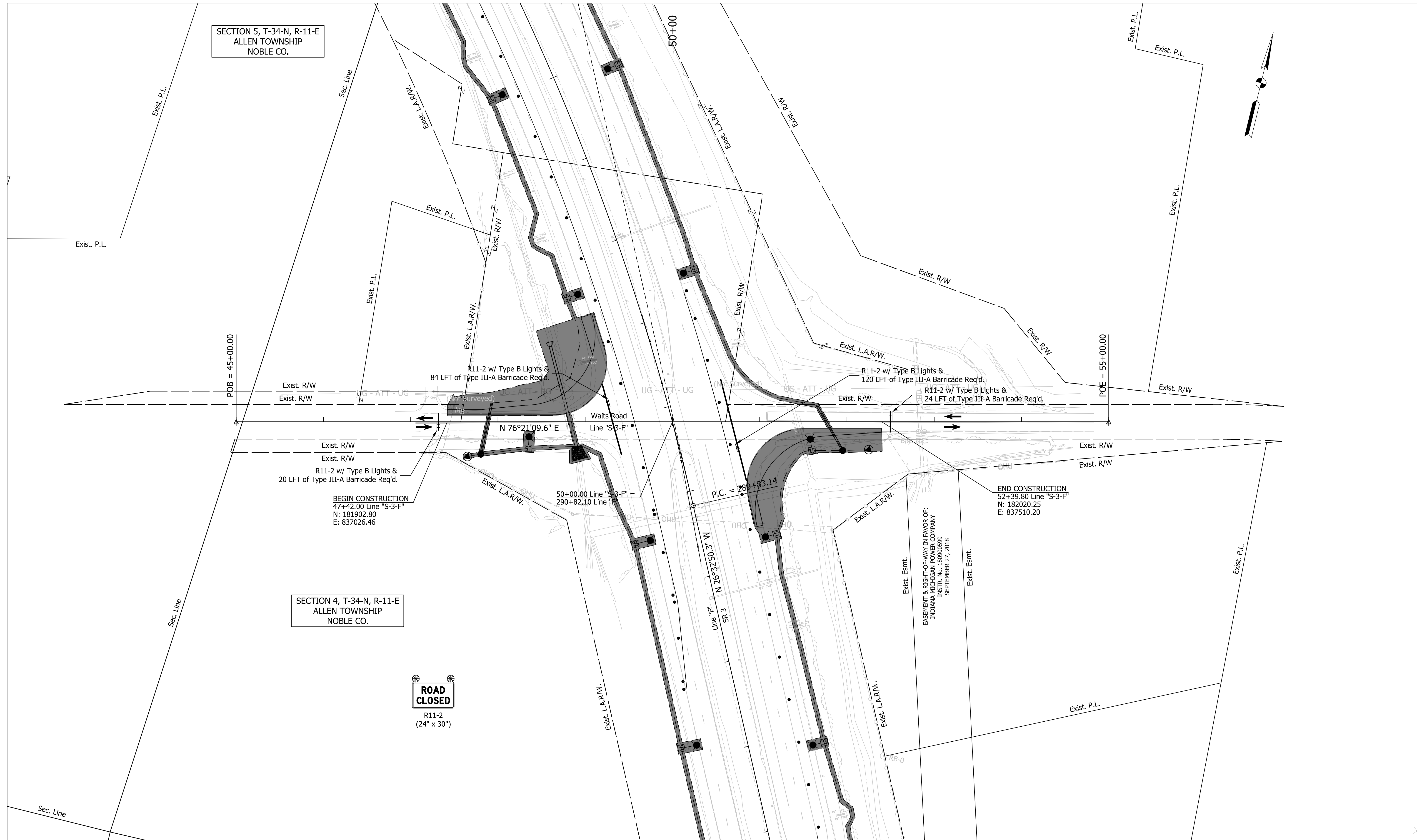
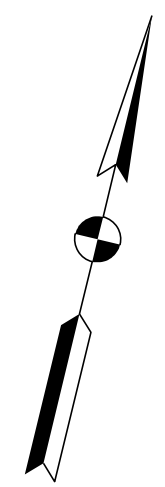
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 1  
LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 71
CONTRACT	PROJECT
R-42375	1900138

SECTION 5, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

SECTION 4, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.



POB = 45+00.00

POE = 55+00.00

50+00.00 Line "S-3-F" =  
290+82.10 Line "S-3-F"

P.C. = 289+83.14

END CONSTRUCTION  
52+39.80 Line "S-3-F"  
N: 182020.25  
E: 837510.20

BEGIN CONSTRUCTION  
47+42.00 Line "S-3-F"  
N: 181902.80  
E: 837026.46



EASEMENT & RIGHT-OF-WAY IN FAVOR OF:  
INDIANA MICHIGAN POWER COMPANY  
INSTR. No. 180900599  
SEPTEMBER 27, 2018

LEGEND:			
	- Construction Area		• - 50' Spaced Drums
	- Constructed in Previous Phase		80 Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Direction of Traffic		82 Temp. Pavement Marking, Removable, 4", Solid, White
	- Flashing Arrow Sign		

<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
	DESIGNED: ELM 10/13/2021	DRAWN: ELM 10/13/2021	
	CHECKED: KJR 10/26/2021	CHECKED: KJR 10/26/2021	

**INDIANA DEPARTMENT OF TRANSPORTATION**

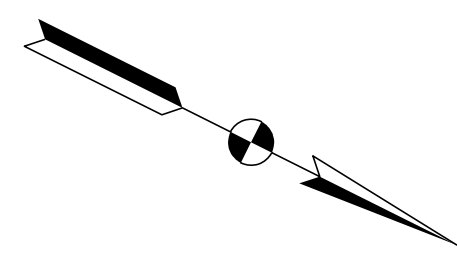
**MAINTENANCE OF TRAFFIC PHASE 1 & 2 LINE "S-3-F"**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 17 of 71
CONTRACT R-42375	PROJECT 1900138

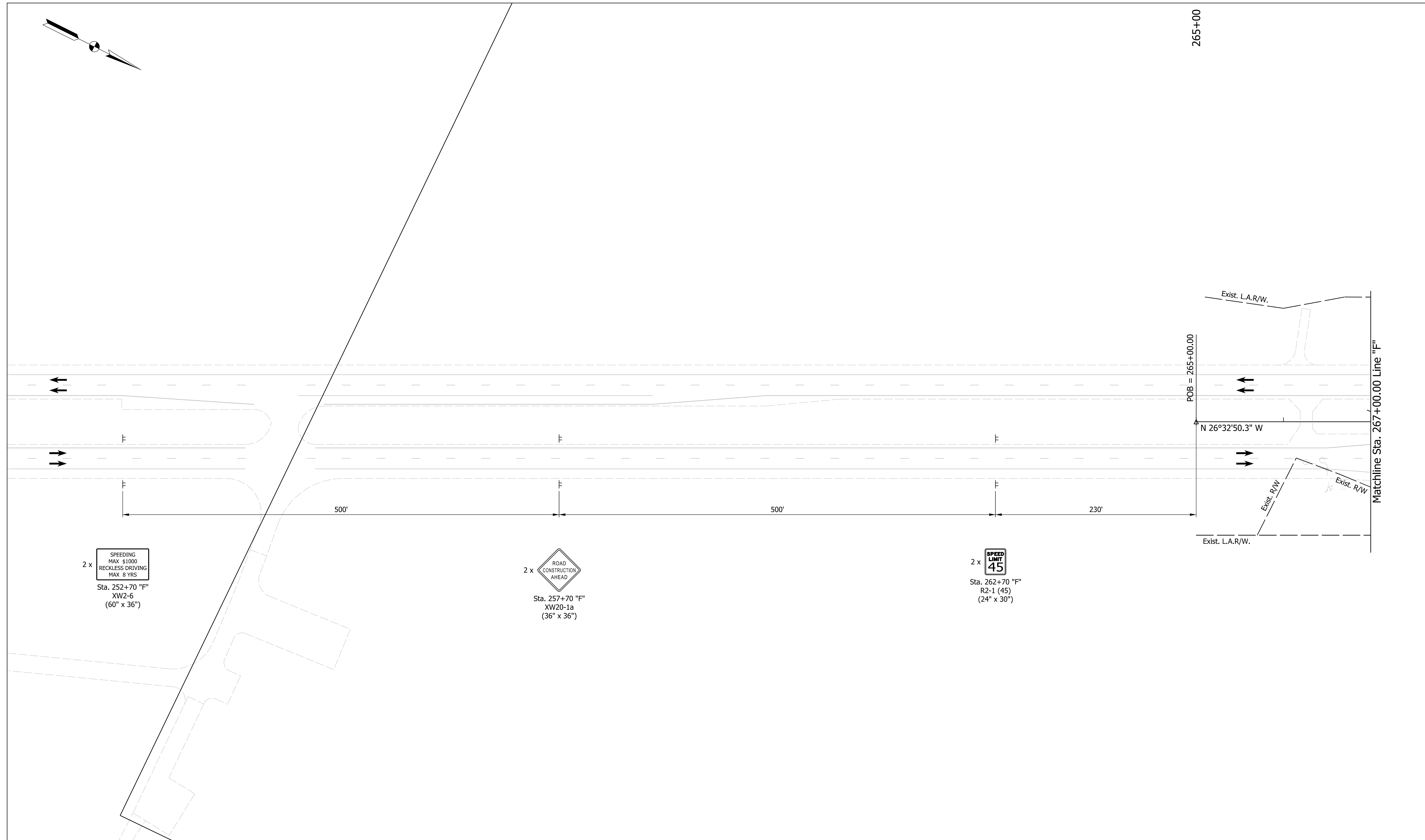
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265+00



PLOT: 6/28/2022 1:40:36 PM

LEGEND:	
	- Construction Area
	• - 50' Spaced Drums
	- Constructed in Previous Phase
	F - Construction Sign
	➔ - Direction of Traffic
	⚡ - Flashing Arrow Sign
	80 Temp. Pavement Marking, Removable, 4", Solid, Yellow
	82 Temp. Pavement Marking, Removable, 4", Solid, White

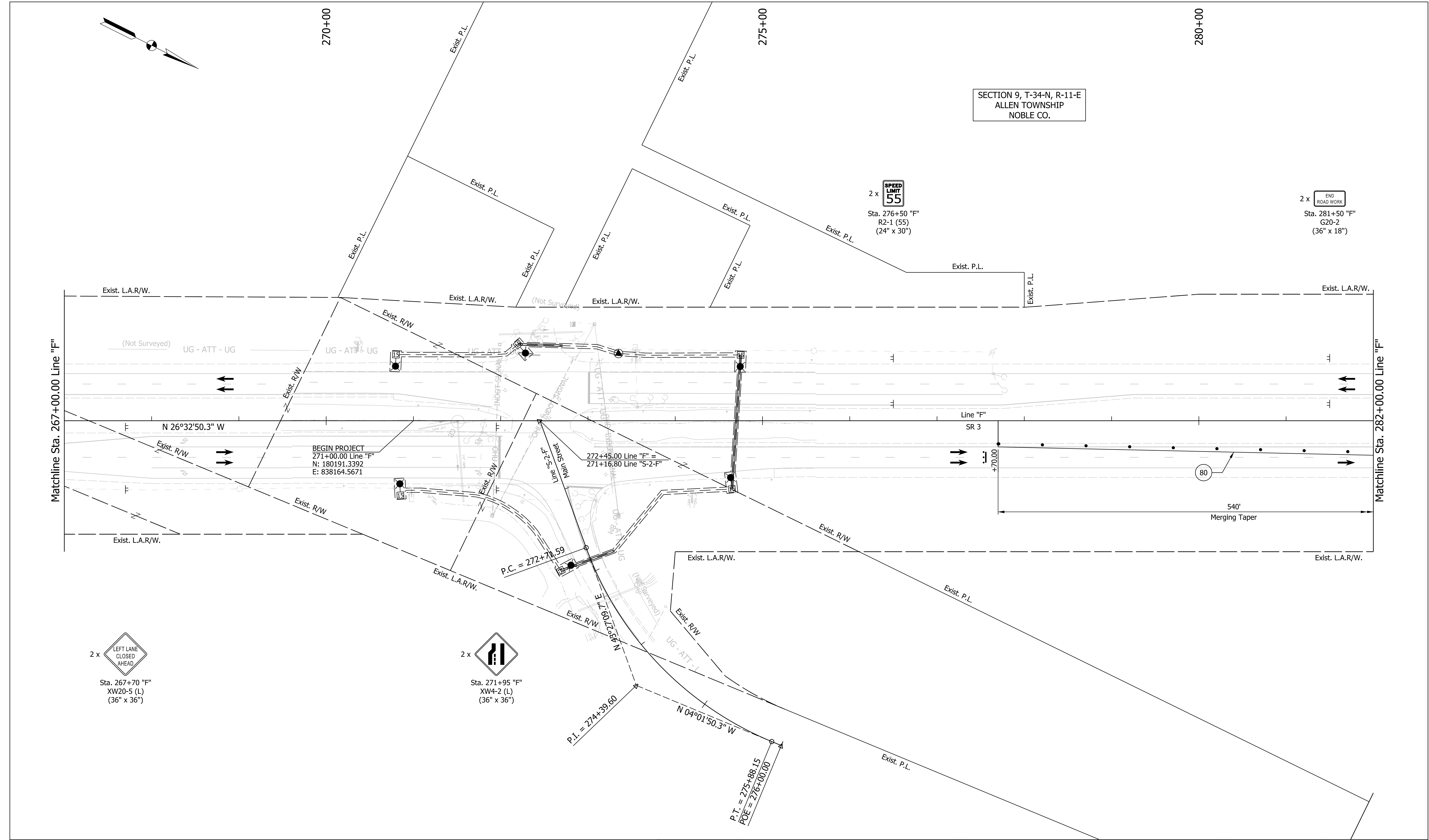
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR
		10/13/2021
		10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 2 LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	19 of 71
CONTRACT	PROJECT
R-42375	1900138



SECTION 9, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

2 x   
Sta. 276+50 "F"  
R2-1 (55)  
(24" x 30")

2 x   
Sta. 281+50 "F"  
G20-2  
(36" x 18")

BEGIN PROJECT  
271+00.00 Line "F"  
N: 180191.3392  
E: 838164.5671

272+45.00 Line "F" =  
271+16.80 Line "S-2-F"

2 x   
Sta. 267+70 "F"  
XW20-5 (L)  
(36" x 36")

2 x   
Sta. 271+95 "F"  
XW4-2 (L)  
(36" x 36")

LEGEND:

	- Construction Area		- 50' Spaced Drums		Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

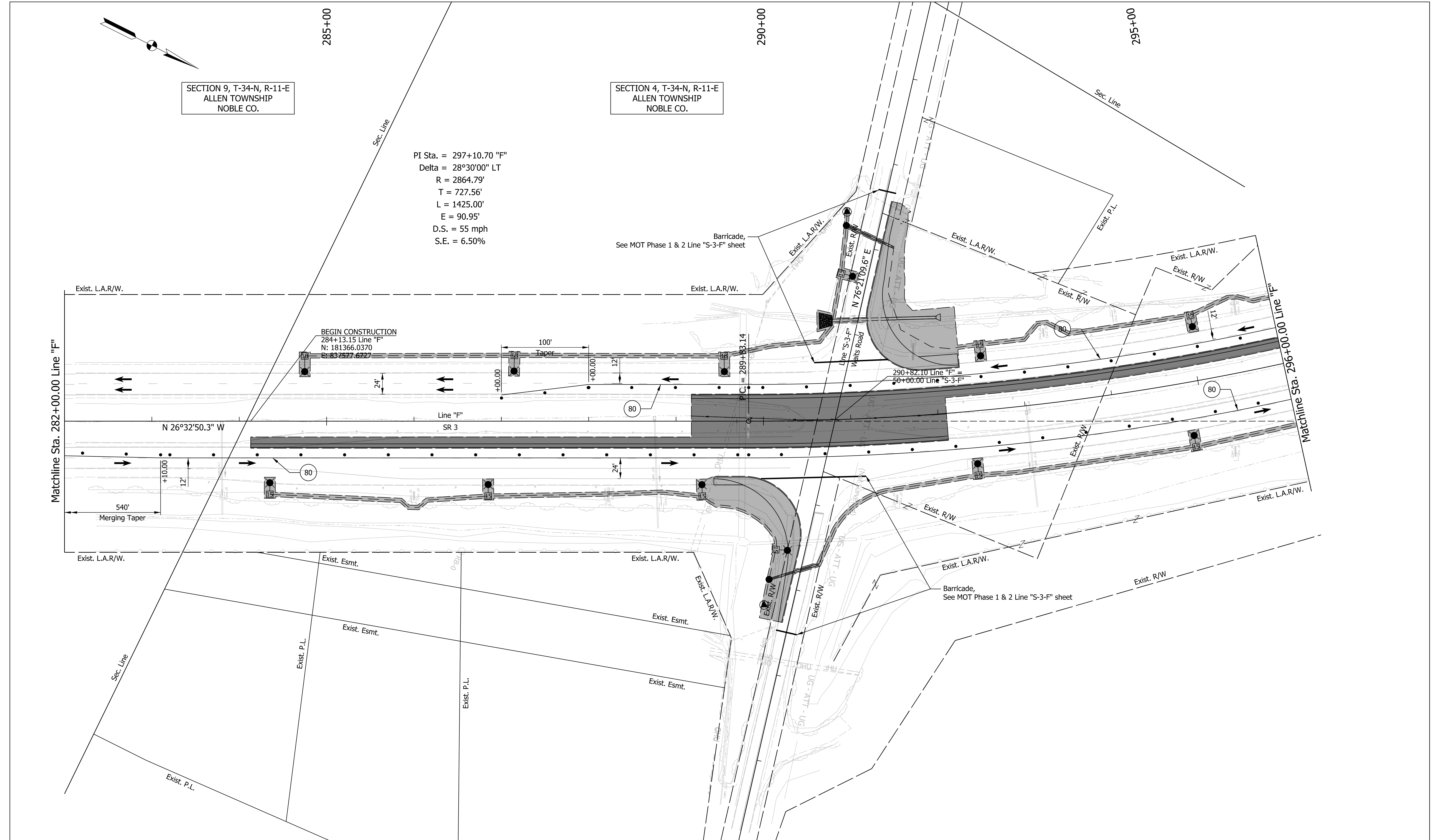
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
MAINTENANCE OF TRAFFIC PHASE 2  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:37 PM



SECTION 9, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

SECTION 4, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

PI Sta. = 297+10.70 "F"  
Delta = 28°30'00" LT  
R = 2864.79'  
T = 727.56'  
L = 1425.00'  
E = 90.95'  
D.S. = 55 mph  
S.E. = 6.50%

Plot: 6/28/2022 1:40:38 PM

<b>LEGEND:</b>		
	- Construction Area	
	- Constructed in Previous Phase	
	- Direction of Traffic	
	80 Temp. Pavement Marking, Removable, 4", Solid, Yellow	
		82 Temp. Pavement Marking, Removable, 4", Solid, White

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

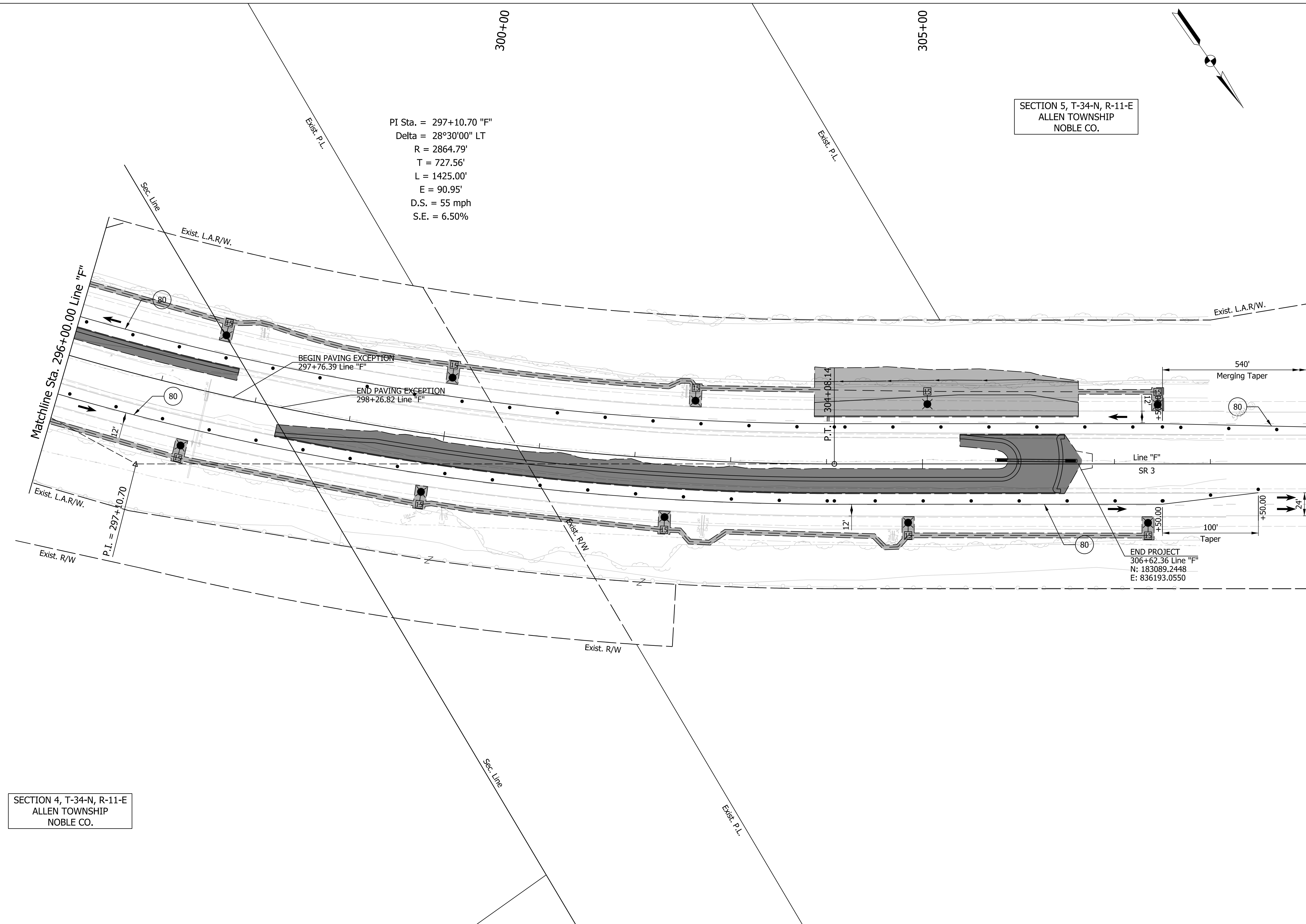
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 2  
LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 71
CONTRACT	PROJECT
R-42375	1900138

SECTION 5, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

PI Sta. = 297+10.70 "F"  
Delta = 28°30'00" LT  
R = 2864.79'  
T = 727.56'  
L = 1425.00'  
E = 90.95'  
D.S. = 55 mph  
S.E. = 6.50%



SECTION 4, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

Plot: 6/28/2022 1:40:39 PM

**LEGEND:**

	- Construction Area		- 50' Spaced Drums		Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA DEPARTMENT OF TRANSPORTATION**

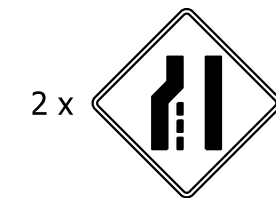
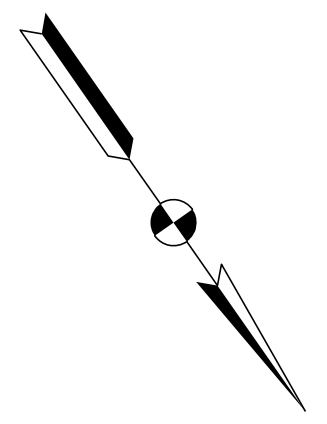
**MAINTENANCE OF TRAFFIC PHASE 2 LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 71
CONTRACT	PROJECT
R-42375	1900138

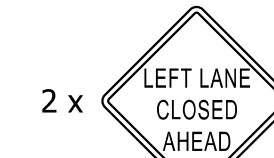
310+00

315+00

320+00



2 x  
Sta. 317+90 "F"  
XW4-2 (L)  
(36" x 36")



2 x  
Sta. 322+90 "F"  
XW20-5 (L)  
(36" x 36")

Exist. L.A.R/W.

540'  
Merging Taper

80

+90.00

24"

N 55°02'50.3" W

24"

P.C. = 316+49.26

N 55°02'50.3" W

Matchline Sta. 324+00.00 Line "F"

Exist. L.A.R/W.

2 x  
END ROAD WORK  
Sta. 313+50 "F"  
G20-2  
(36" x 18")

2 x  
SPEED LIMIT  
55  
Sta. 318+50 "F"  
R2-1 (55)  
(24" x 30")

Exist. P.L.

LEGEND:

	- Construction Area		- 50' Spaced Drums		80 Temp. Pavement Marking, Removable, 4", Solid, Yellow
	- Constructed in Previous Phase		- Construction Sign		82 Temp. Pavement Marking, Removable, 4", Solid, White
	- Direction of Traffic		- Flashing Arrow Sign		

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

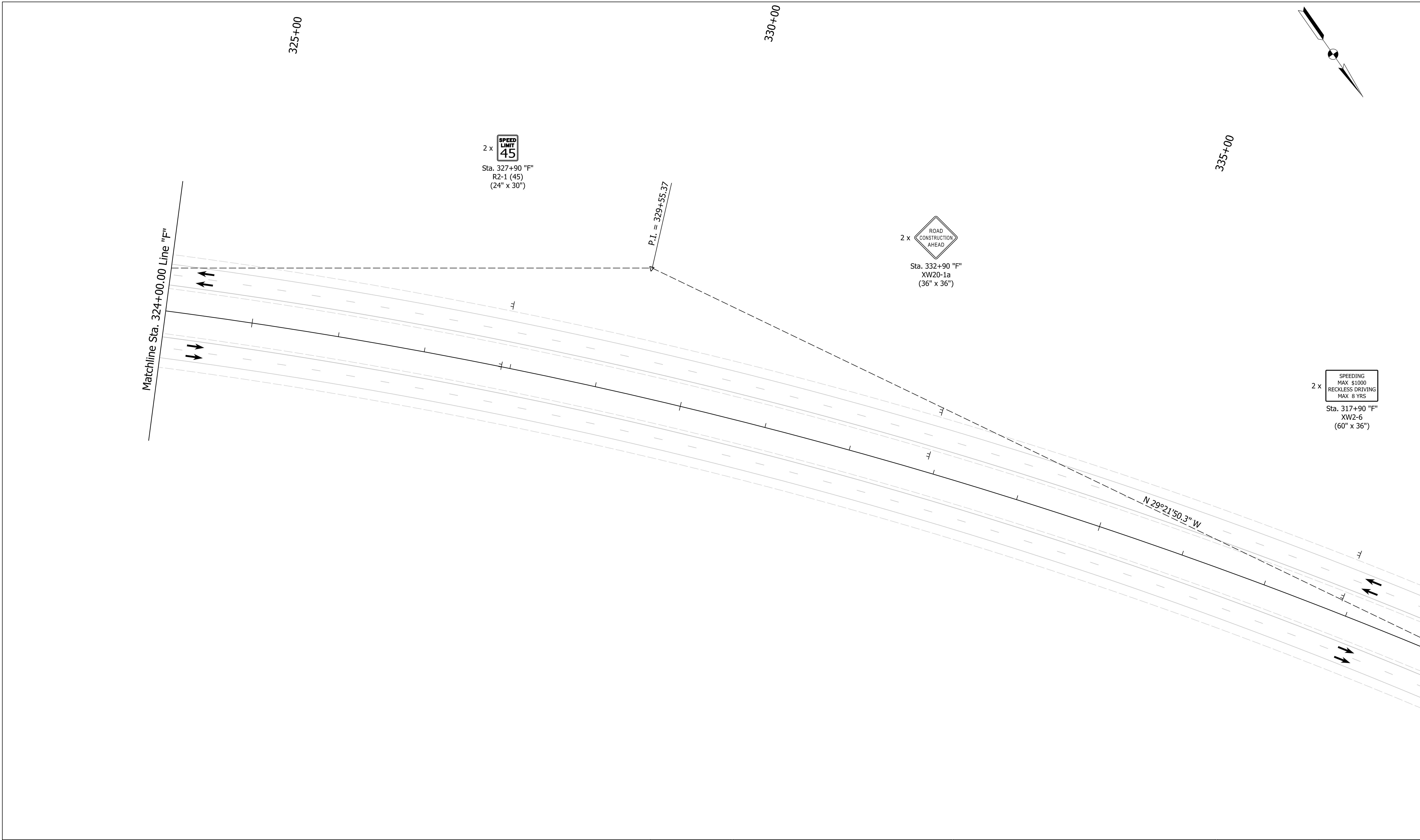
INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE 2 LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:41 PM

Plot: 6/28/2022 1:40:42 PM



<b>LEGEND:</b>	
- Construction Area	- 50' Spaced Drums
- Constructed in Previous Phase	- Construction Sign
- Direction of Traffic	- Flashing Arrow Sign
Temp. Pavement Marking, Removable, 4", Solid, Yellow	Temp. Pavement Marking, Removable, 4", Solid, White

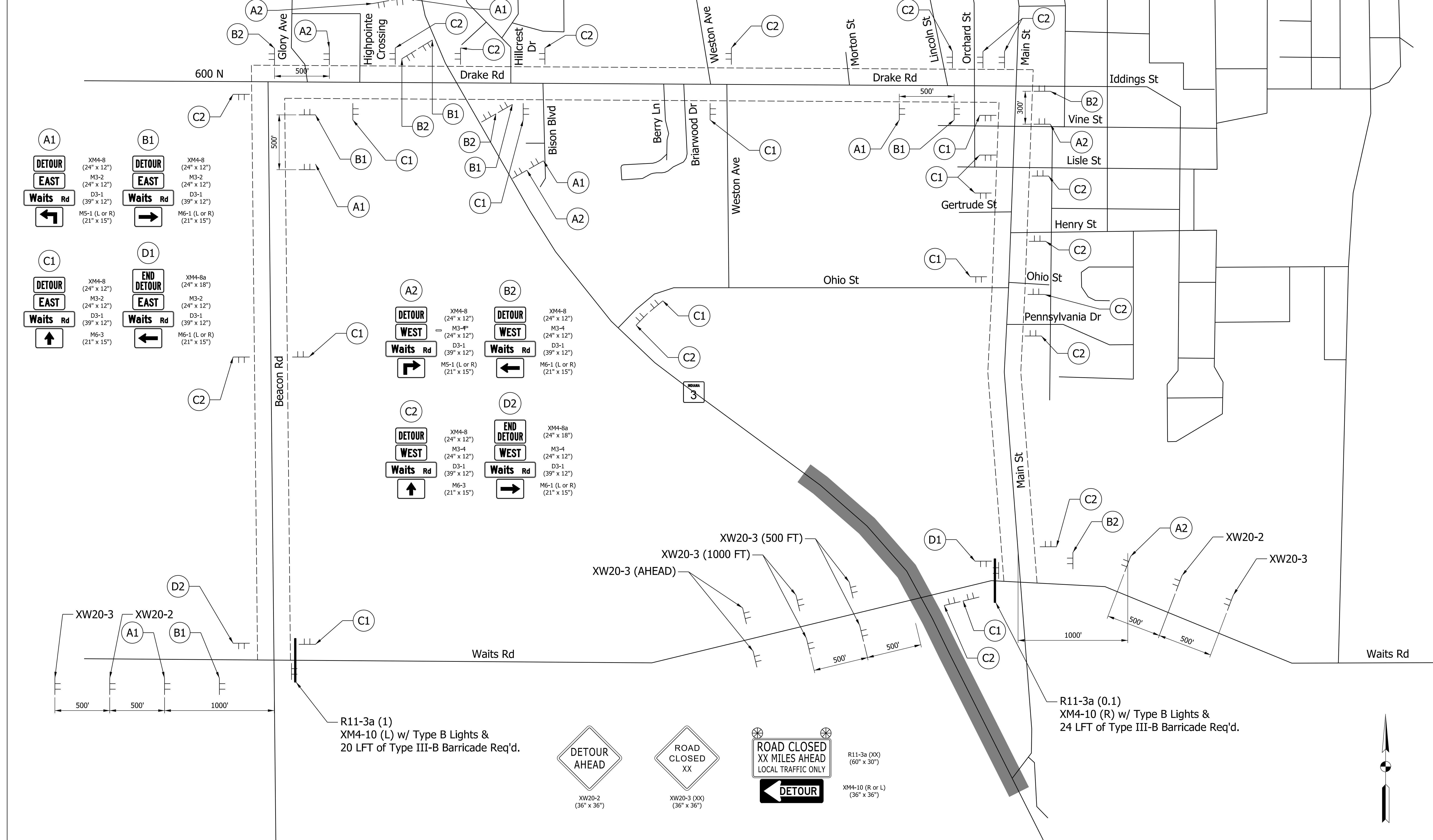
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: ELM 10/13/2021	DRAWN: ELM 10/13/2021	
CHECKED: KJR 10/26/2021	CHECKED: KJR 10/26/2021	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE 2 LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 71
CONTRACT	PROJECT
R-42375	1900138



**A1**  
**DETOUR EAST**  
 Waits Rd  
 Left Arrow

**B1**  
**DETOUR EAST**  
 Waits Rd  
 Right Arrow

**C1**  
**DETOUR EAST**  
 Waits Rd  
 Up Arrow

**D1**  
**END DETOUR EAST**  
 Waits Rd  
 Left Arrow

**A2**  
**DETOUR WEST**  
 Waits Rd  
 Right Arrow

**B2**  
**DETOUR WEST**  
 Waits Rd  
 Left Arrow

**C2**  
**DETOUR WEST**  
 Waits Rd  
 Up Arrow

**D2**  
**END DETOUR WEST**  
 Waits Rd  
 Right Arrow

Plot: 6/28/2022 1:40:43 PM

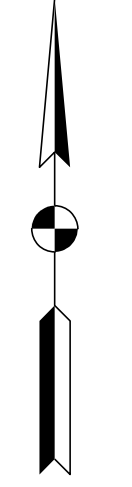
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC DETOUR**

HORIZONTAL SCALE	BRIDGE FILE
1" = 400'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 71
CONTRACT	PROJECT
R-42375	1900138



Maintenance of Traffic  
Sequence of Operations

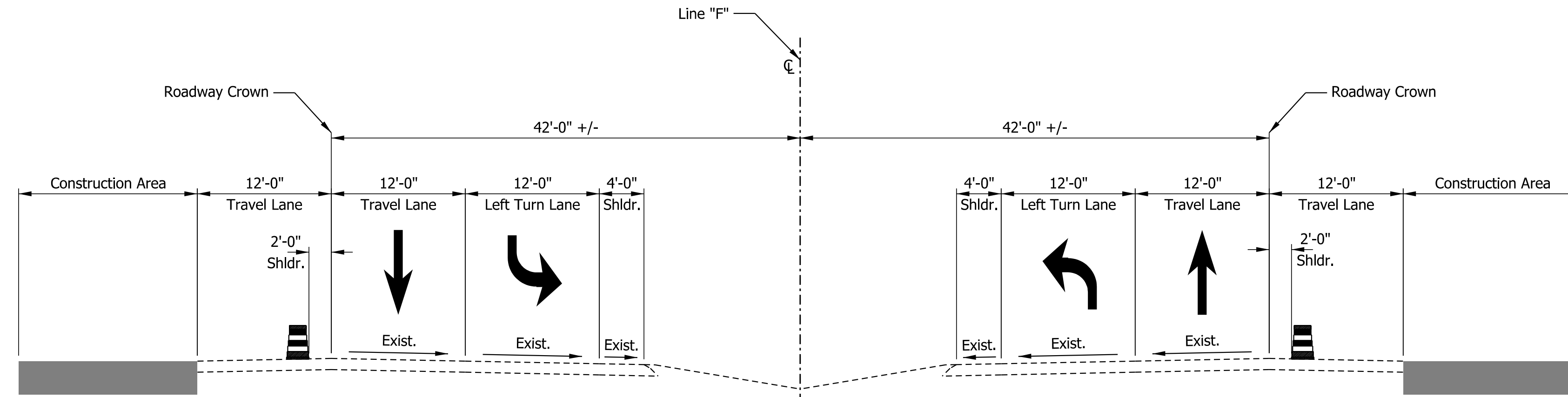
MOT Design Speed = 45 mph

Phase 1:

Move traffic to the inside lanes of existing SR 3, maintaining one (1) lane in each direction. Close Waits Rd. and utilize the proposed detour. Construct the full depth shoulder replacement and the radii widening at the intersection with Waits Rd.

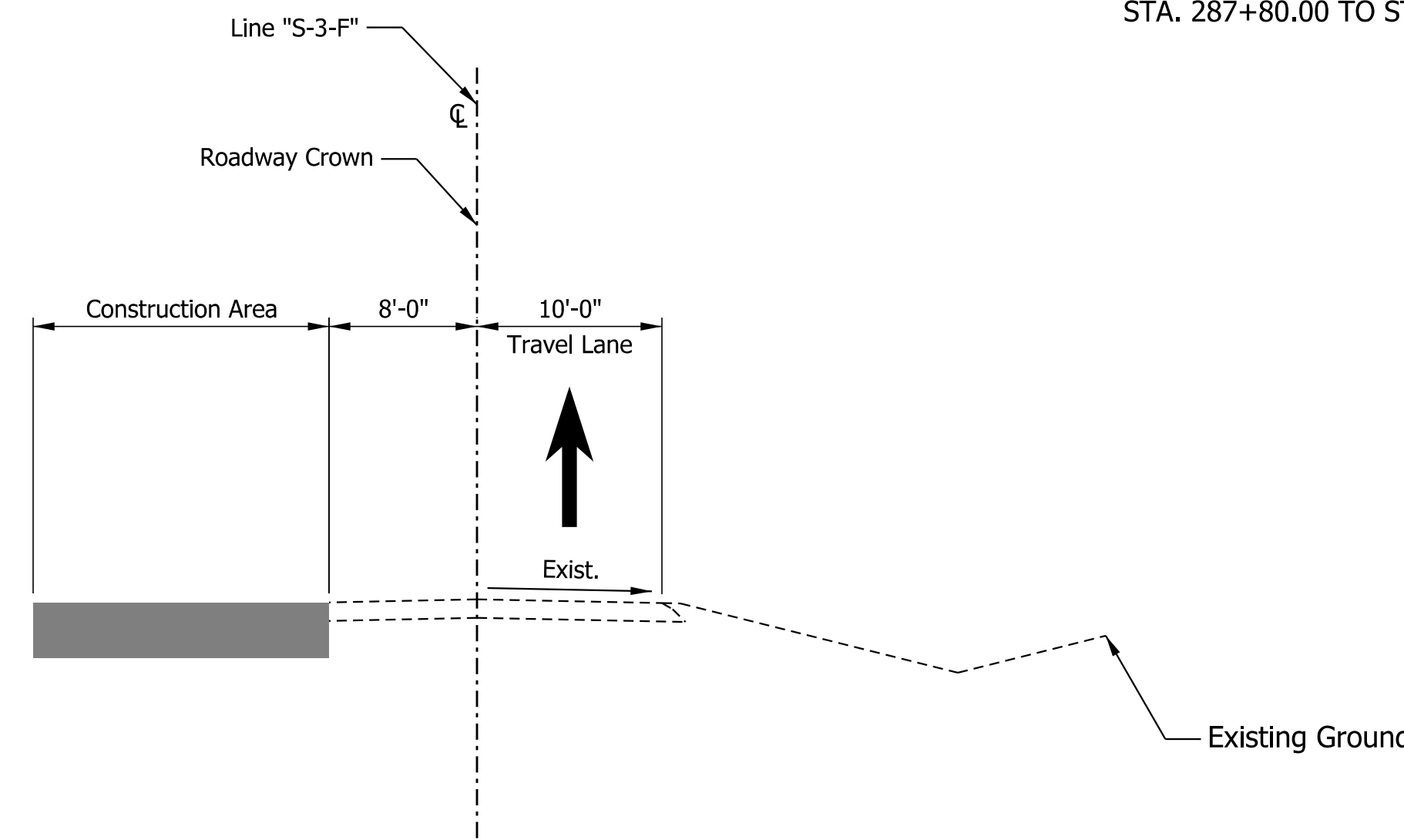
Phase 2:

Move traffic to the outside lanes of existing SR 3, maintaining one (1) lane in each direction and keep Waits Rd. closed. Construct the median u-turn and auxiliary lane and close the median at the intersection with Waits Rd.

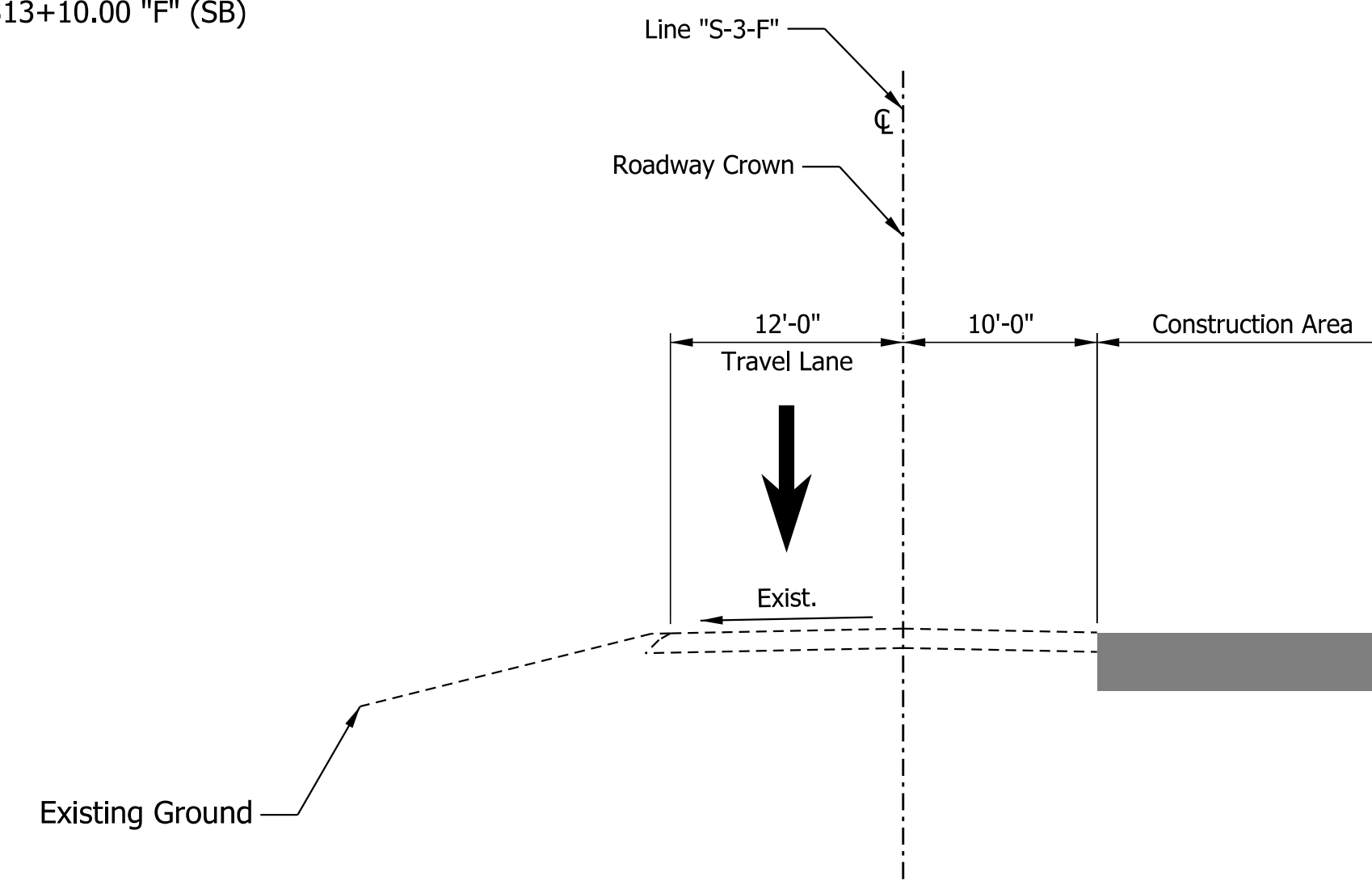


PHASE 1  
TYPICAL SECTION - SR 3

STA. 284+41.77 TO STA. 292+20.43 "F" (NB)  
STA. 287+80.00 TO STA. 313+10.00 "F" (SB)



PHASE 1  
TYPICAL SECTION - WAITS ROAD  
STA. 47+00.00 TO STA. 50+00.00 "S-3-F"



PHASE 1  
TYPICAL SECTION - WAITS ROAD  
STA. 50+00.00 TO STA. 55+00.00 "S-3-F"

MAINTENANCE OF TRAFFIC QUANTITIES						
ITEM DESCRIPTION	UNIT	DETOUR	PHASE 1	PHASE 2	QUANTITY	REMARKS
ROAD CLOSURE SIGN ASSEMBLY	EACH	2	4	4	6	
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN, SOLID, YELLOW	LFT	0	0	5,672	7,978	
TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN, SOLID, WHITE	LFT	0	2,306	0		
DETOUR ROUTE MARKE ASSEMBLY	EACH	37	0	0	37	
CONSTRUCTION SIGN, A	EACH	10	12	16	26	
CONSTRUCTION SIGN, B	EACH	0	12	12	12	
FLASHING ARROW SIGN	DAY	0	28	56	84	
MAINTAINING TRAFFIC	LS	0	0	0	1	
BARRICADE III-A	LFT	0	248	248	248	
BARRICADE III-B	LFT	44	0	0	44	

Plot: 6/28/2022 1:40:44 PM

**NOT FOR  
CONSTRUCTION**

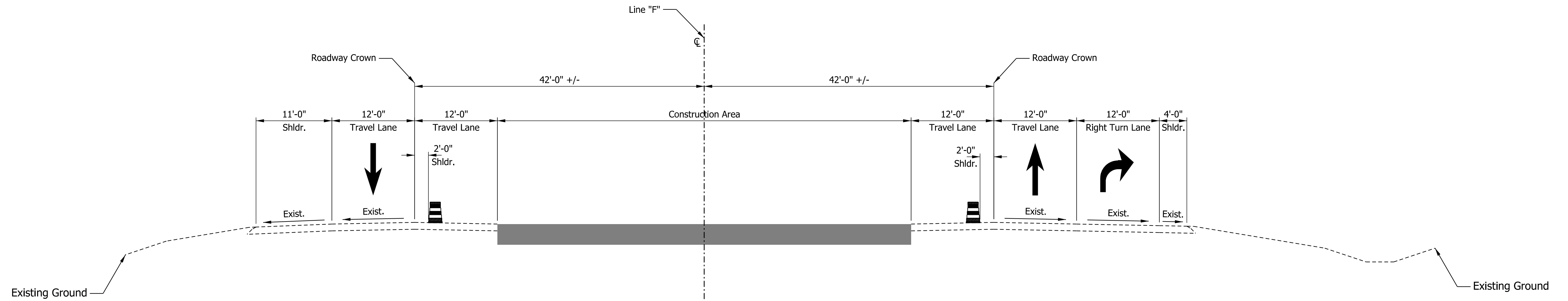
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: ELM 10/13/2021	DRAWN: ELM 10/13/2021	
CHECKED: KJR 10/26/2021	CHECKED: KJR 10/26/2021	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MOT TYPICAL SECTION PHASE 1  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 71
CONTRACT	PROJECT
R-42375	1900138





**PHASE 2**  
**TYPICAL SECTION - SR 3**  
 STA. 277+70.00 TO STA. 308+50.00 "F" (NB)  
 STA. 287+00.00 TO STA. 312+90.00 "F" (SB)

Plot: 6/28/2022 1:40:45 PM

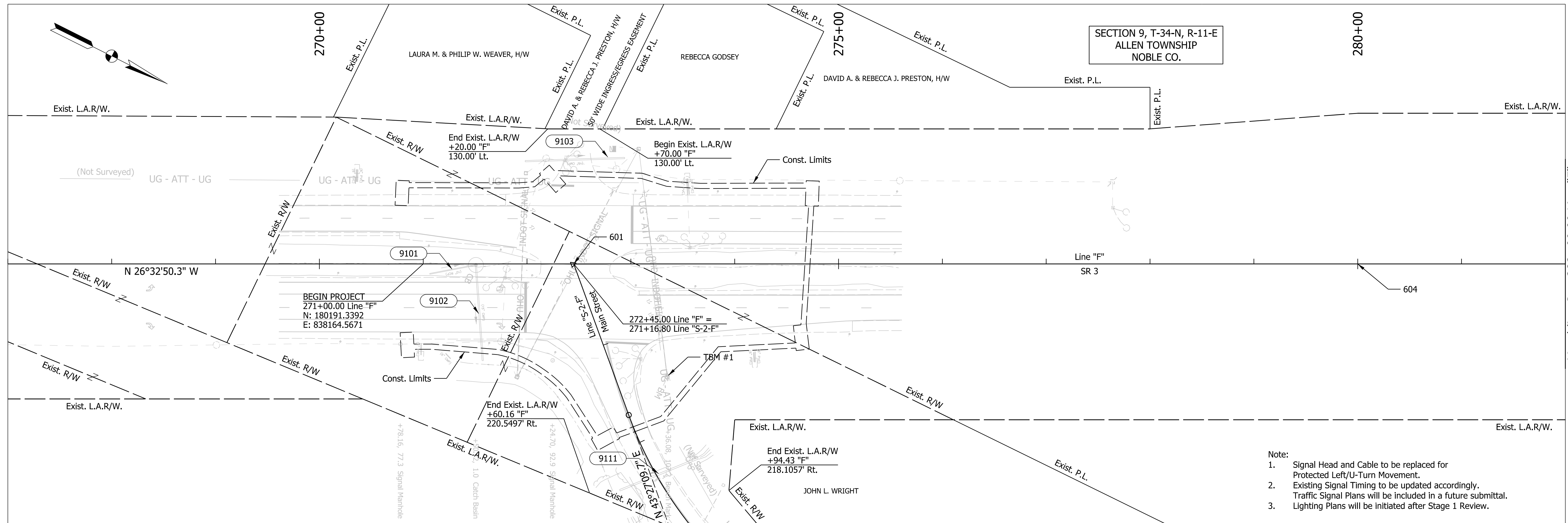
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**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: ELM	10/13/2021	DRAWN: ELM	10/13/2021		
CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021		

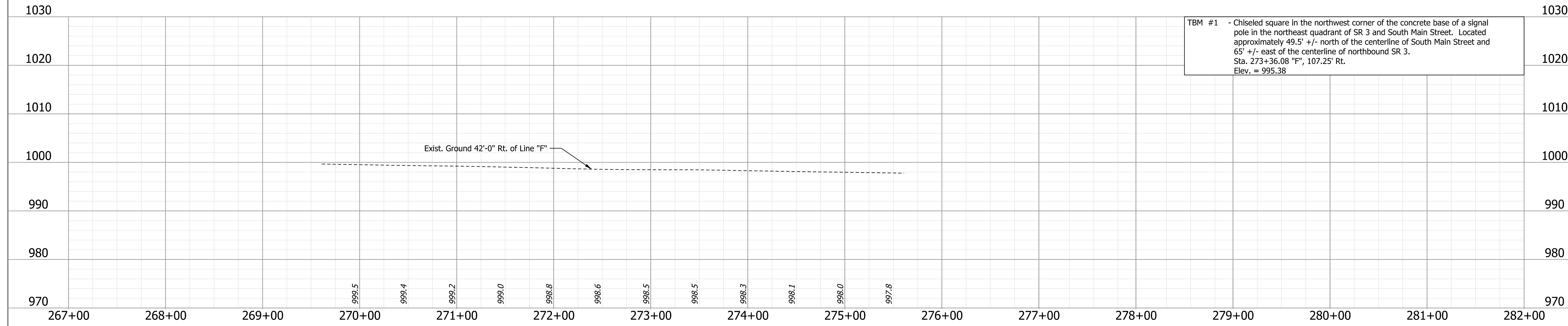
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**MOT TYPICAL SECTION PHASE 2**  
**LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'	N/A
VERTICAL SCALE	DESIGNATION
1/8" = 1'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 71
CONTRACT	PROJECT
R-42375	1900138



SECTION 9, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

- Note:
1. Signal Head and Cable to be replaced for Protected Left/U-Turn Movement.
  2. Existing Signal Timing to be updated accordingly. Traffic Signal Plans will be included in a future submittal.
  3. Lighting Plans will be initiated after Stage 1 Review.



LEGEND:

A) POST OF ONE WAY SIGN  
B) POST OF ONE WAY SIGN  
C) POST OF ONE WAY SIGN

P.O.T. STA. 272+45.00 "F" =  
271+16.80 S-SR 3-2-F"  
MAG. NAIL SET

601 NORTHING: 180,321.0512  
EASTING: 838,099.7613

A) MAG. NAIL SET.  
B) MAG. NAIL SET.  
C) MAG. NAIL SET.

P.O.T. STA. 280+00.00 "F" =  
REBAR W/ ORANGE  
"VSEI 0063" CAP SET  
NORTHING: 180,986.4483  
EASTING: 837,762.3241

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL \_\_\_\_\_

DESIGNED: ELM 10/13/2021 DRAWN: ELM 10/13/2021

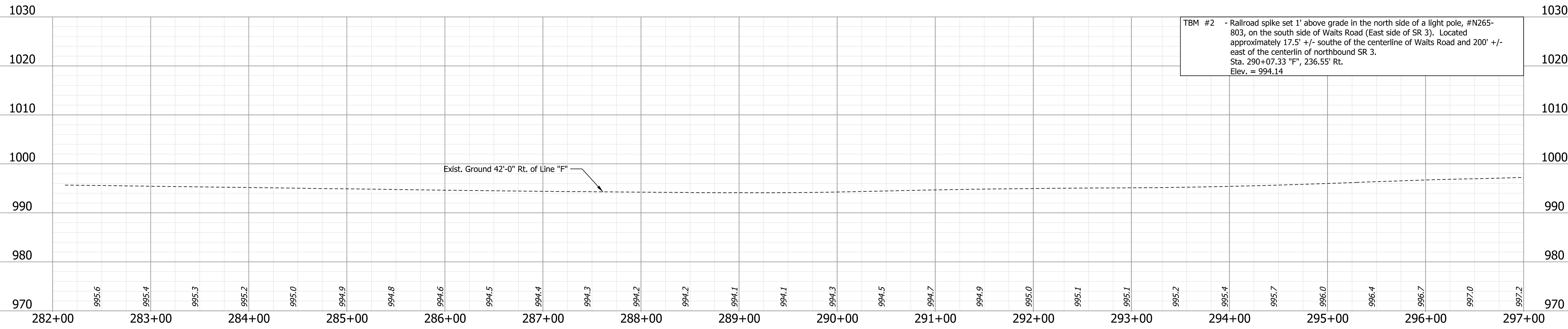
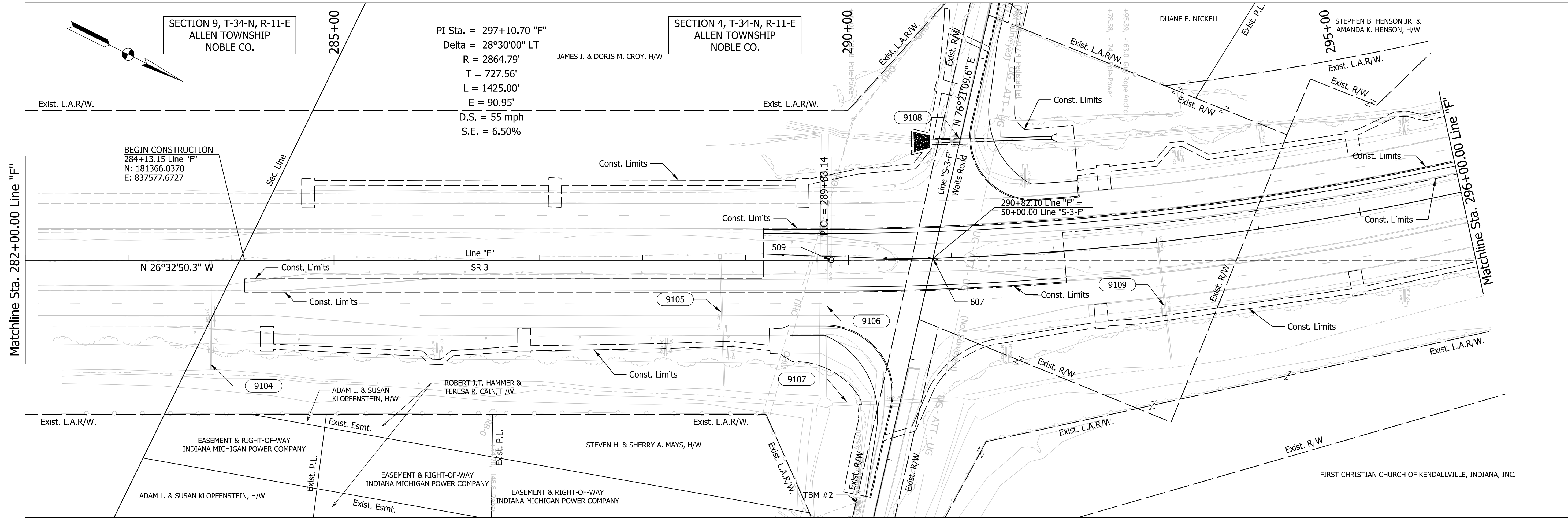
CHECKED: KJR 10/26/2021 CHECKED: KJR 10/26/2021

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE "F"

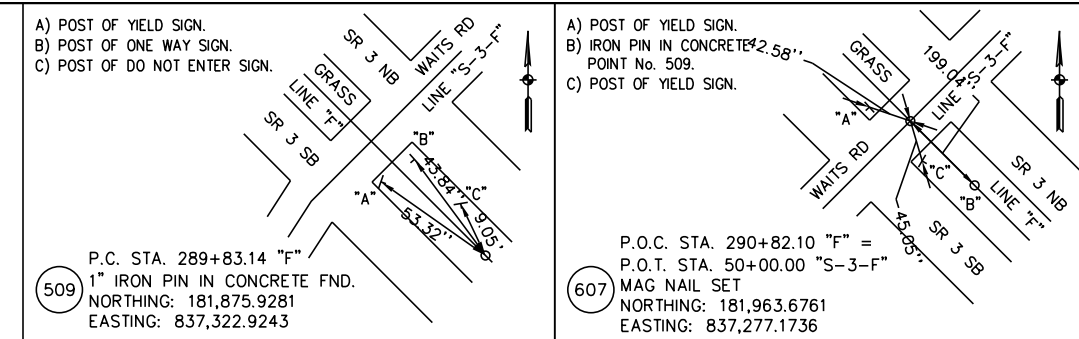
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
SURVEY BOOK	SHEETS
ELECTRONIC	26 of 71
CONTRACT R-42375	PROJECT 1900138

Plot: 6/28/2022 1:40:47 PM



Pict: 6/28/2022 1:40:48 PM

LEGEND:



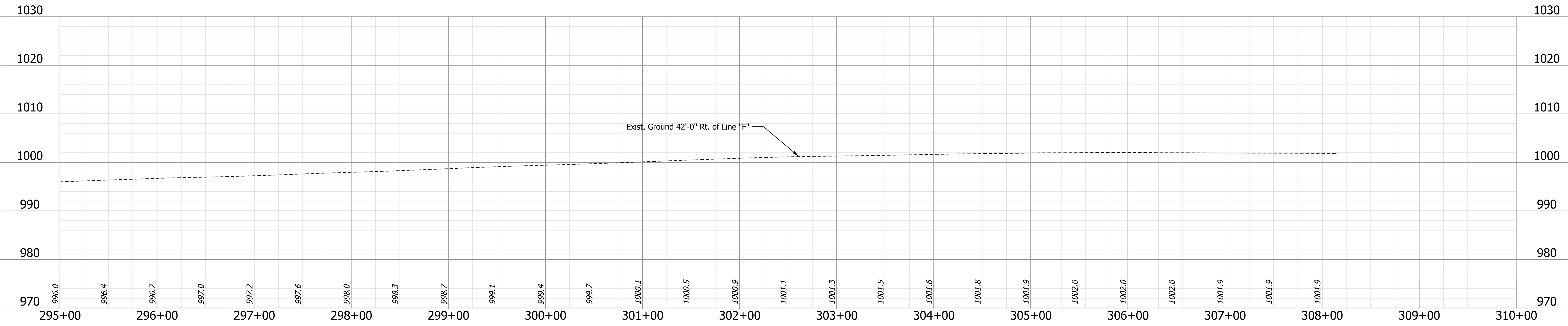
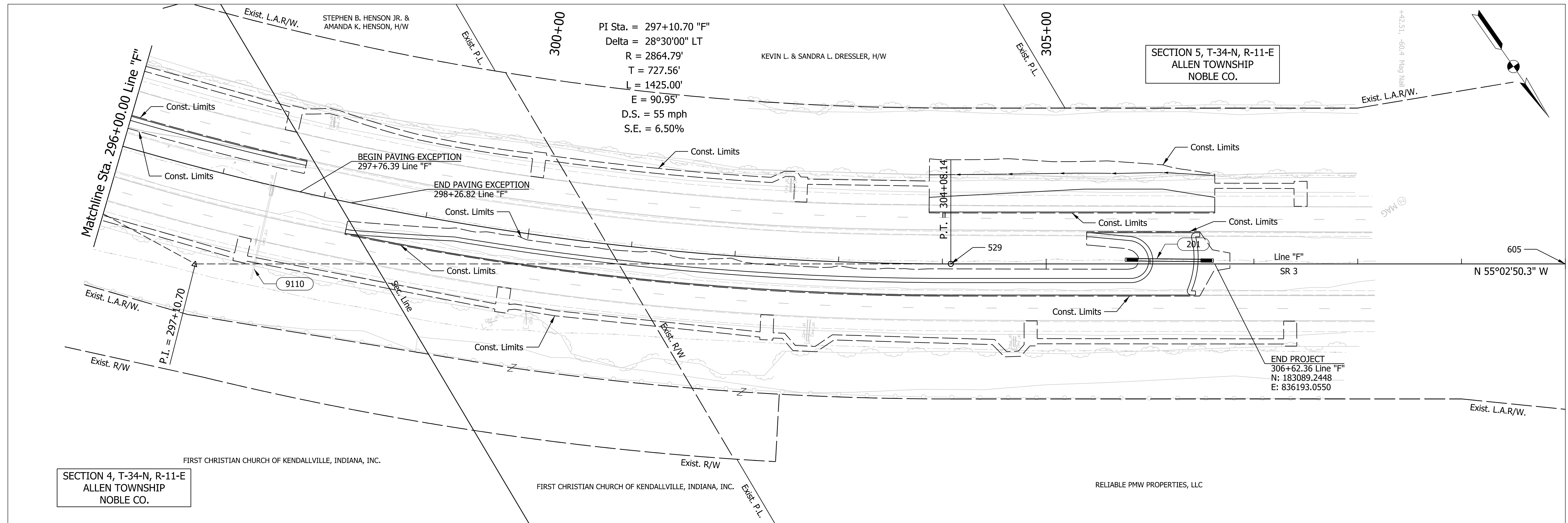
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE "F"**

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 27 of 71
CONTRACT R-42375	PROJECT 1900138



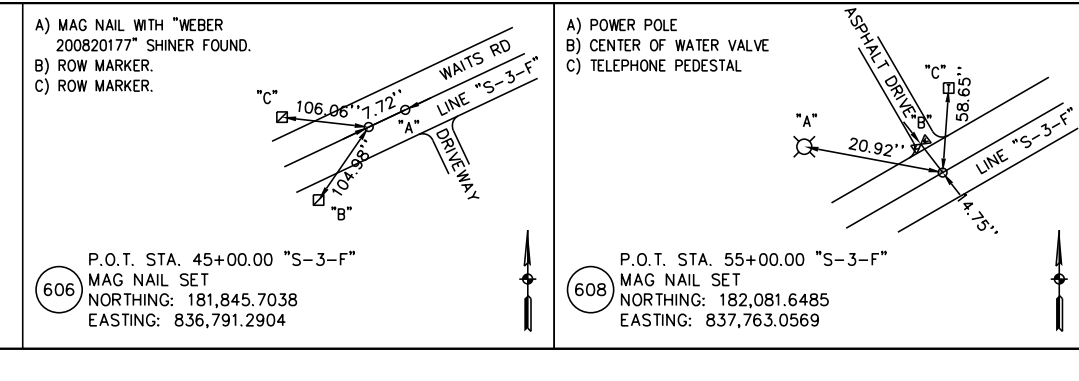
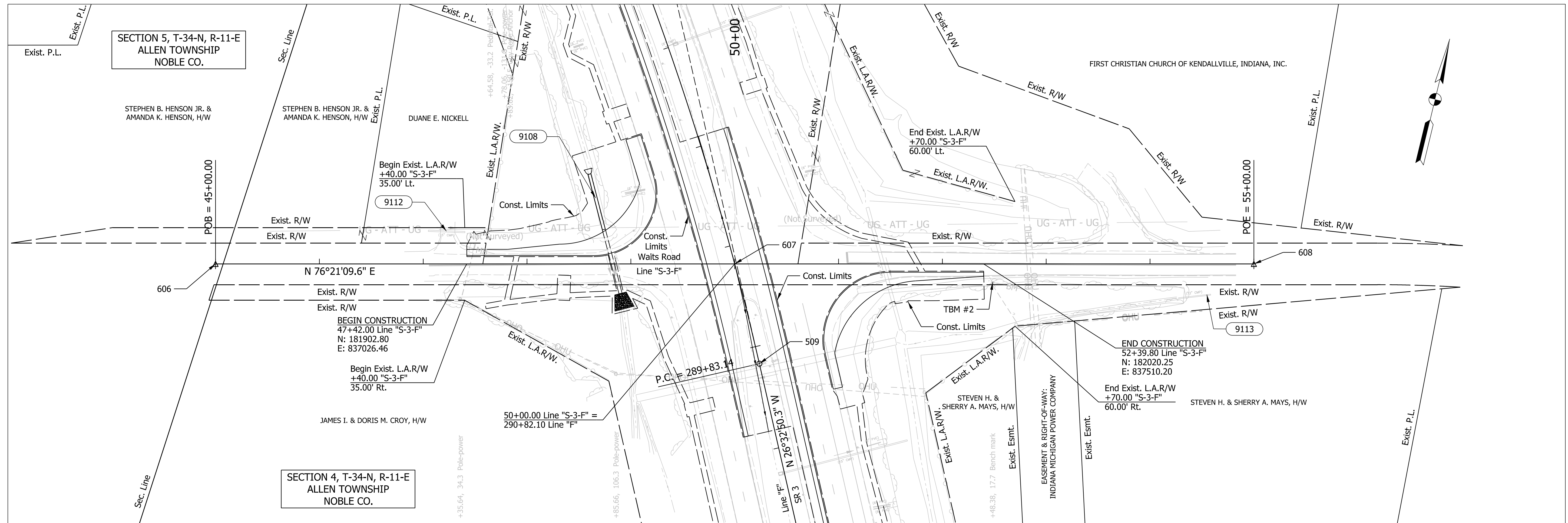
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LEGEND:		A) MAG NAIL SET. B) MAG NAIL SET. C) MAG NAIL SET.		A) MAG NAIL SET. B) MAG NAIL SET. C) MAG NAIL SET.		<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____
DESIGNED: ELM	10/13/2021	DRAWN: ELM	10/13/2021					
CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021					

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 71
CONTRACT	PROJECT
R-42375	1900138



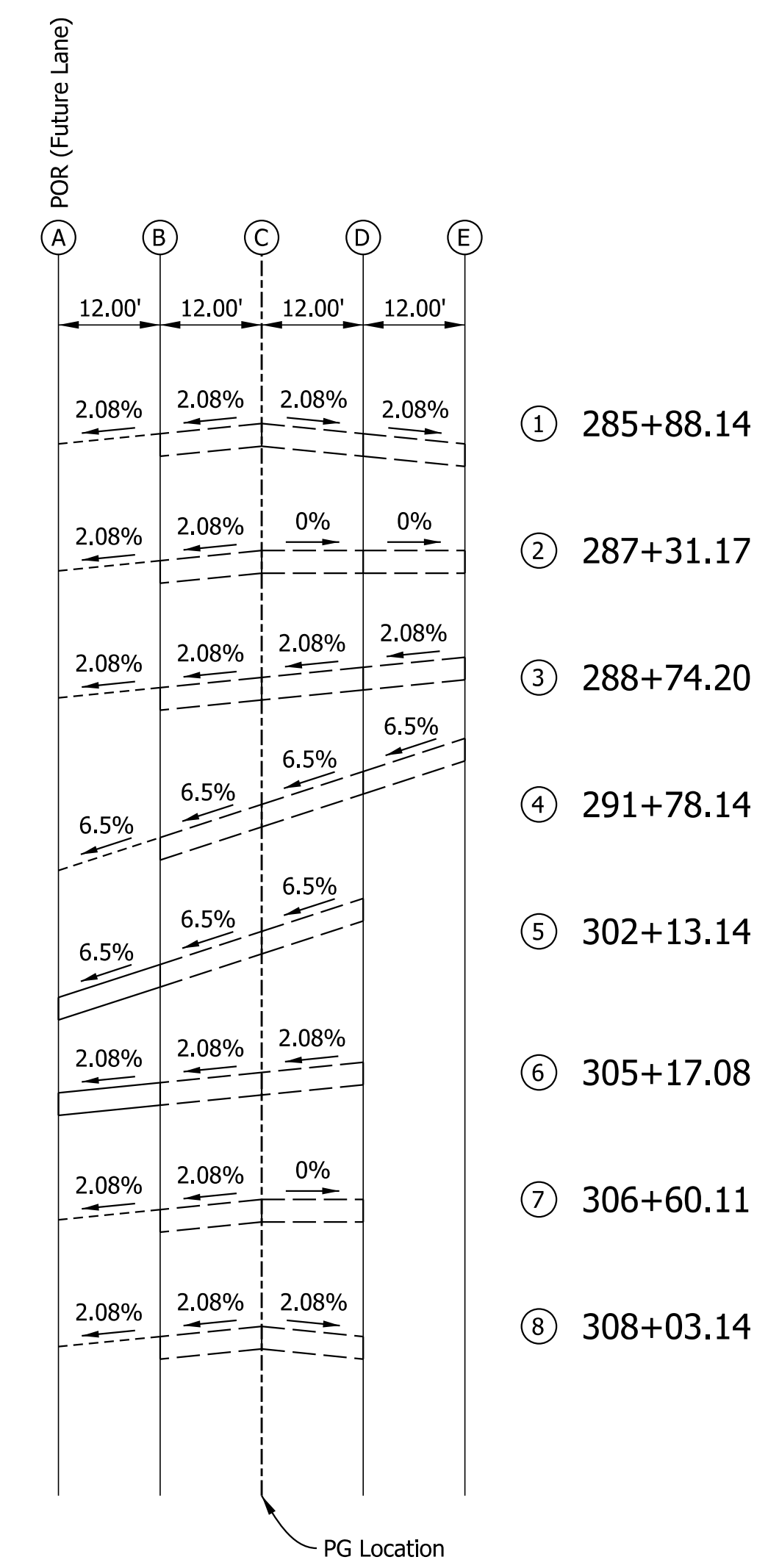
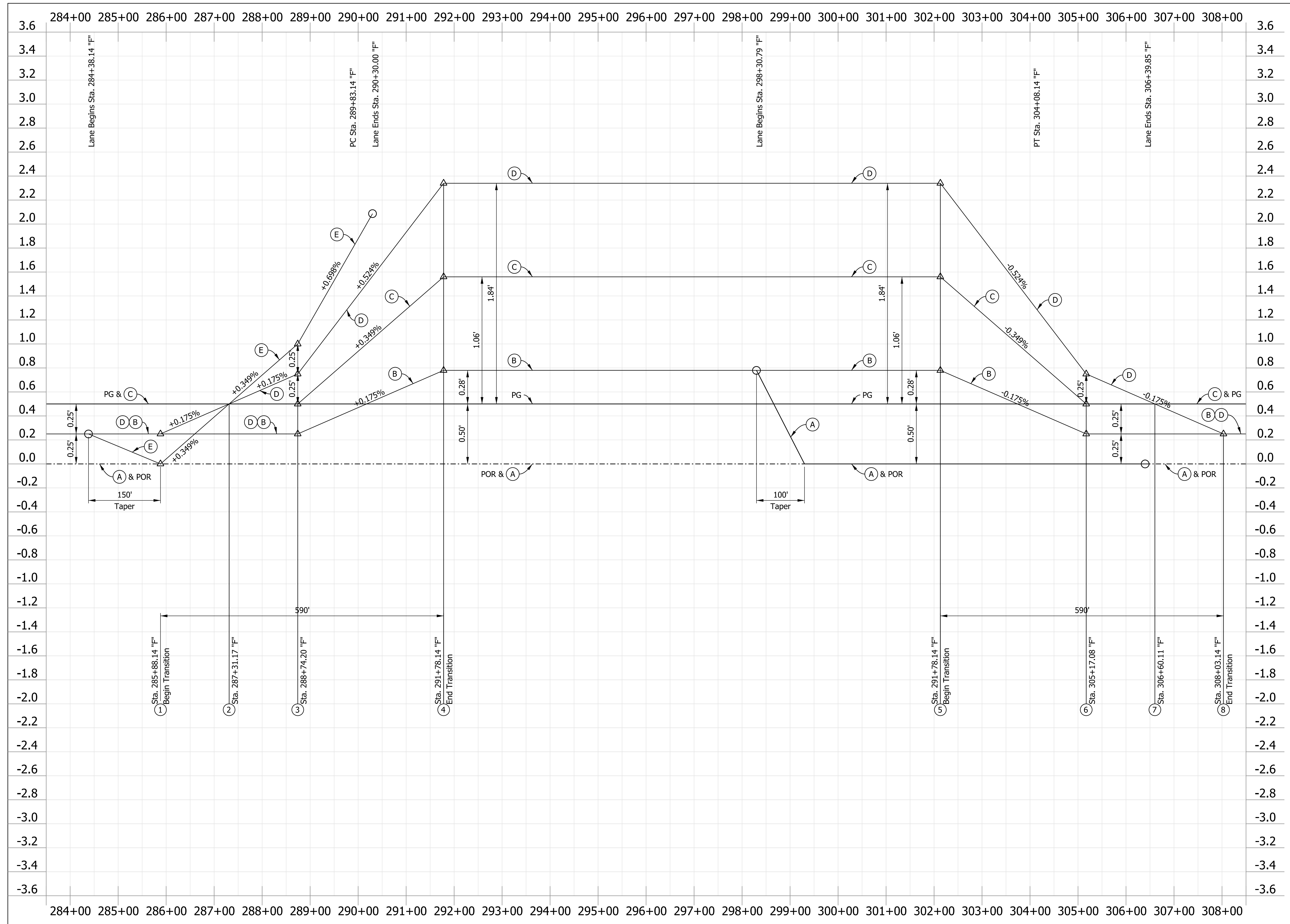
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE LINE "S-3-F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:40:51 PM



PI Sta. = 297+10.70 "F"  
 Delta = 28°30'00" LT  
 R = 2864.79'  
 T = 727.56'  
 L = 1425.00'  
 E = 90.95'  
 D.S. = 55 mph  
 S.E. = 6.50%

Plot: 6/28/2022 1:40:52 PM

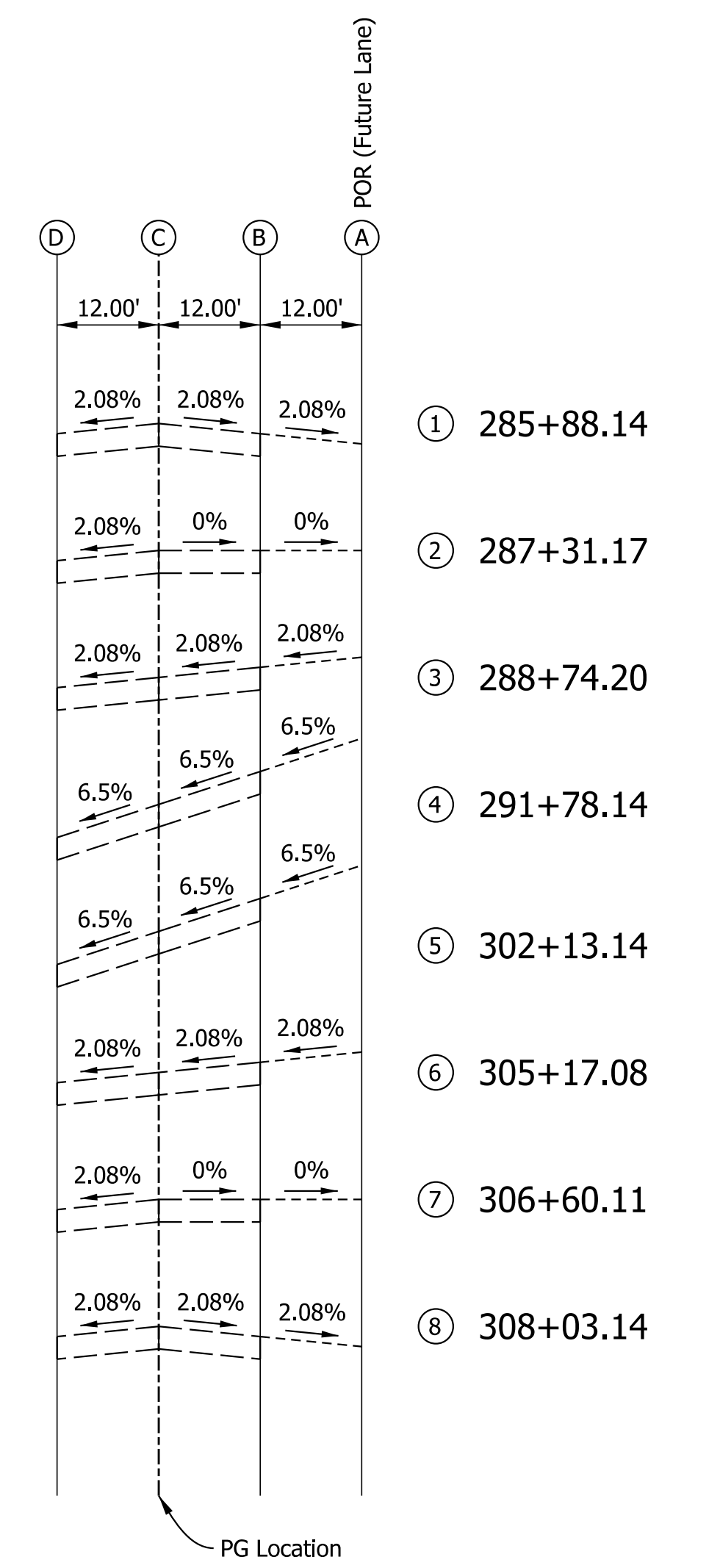
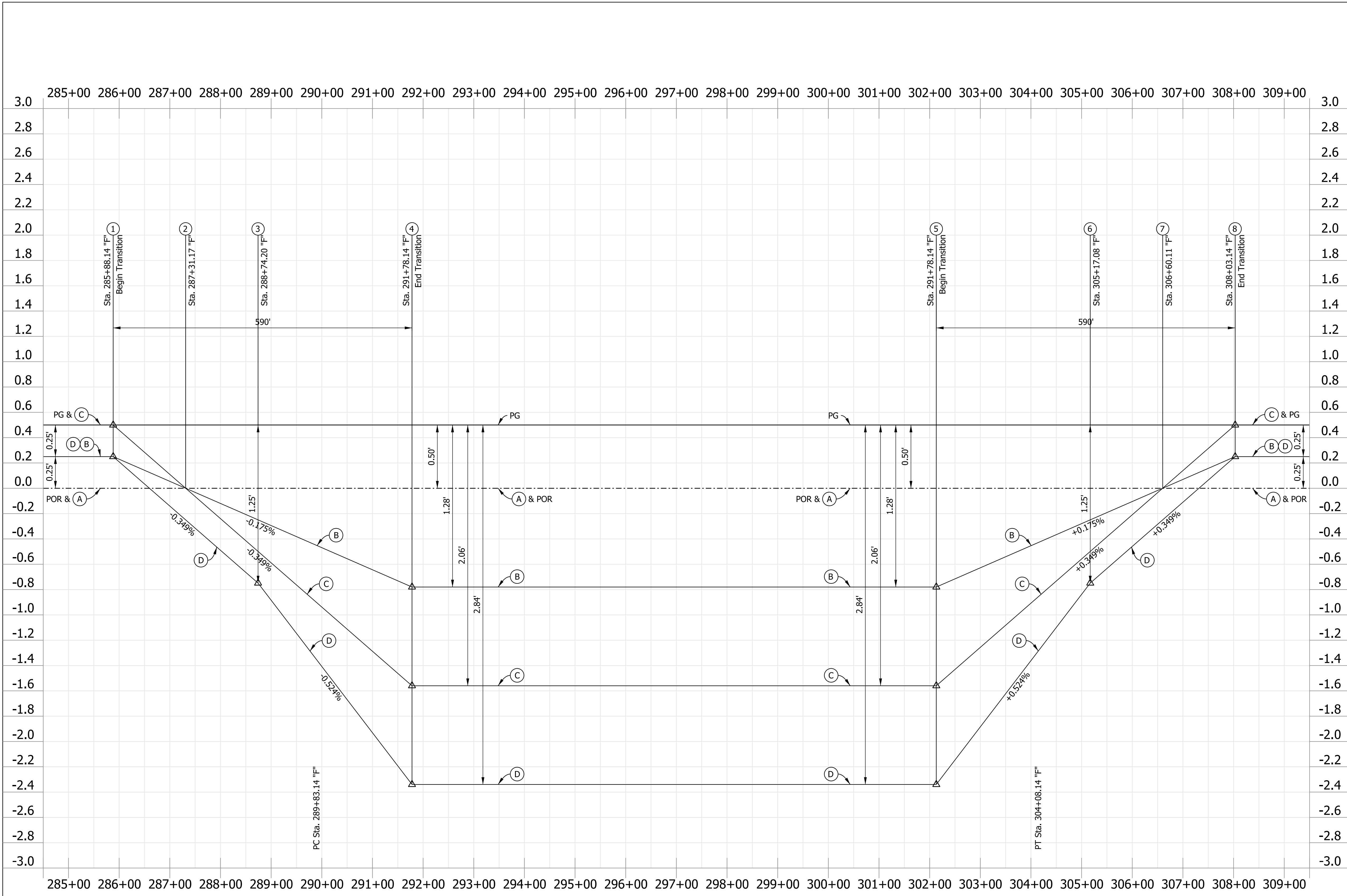
LEGEND:  
 PG = Profile Grade  
 POR = Point of Rotation  
 $\Delta = 40'$  VC

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**SUPERELEVATION DETAILS**  
**P.I. STA. 297+10.70 "F" (NORTHBOUND)**

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
1" = 0.4'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	30 of 71
CONTRACT	PROJECT
R-42375	1900138



PI Sta. = 297+10.70 "F"  
 Delta = 28°30'00" LT  
 R = 2864.79'  
 T = 727.56'  
 L = 1425.00'  
 E = 90.95'  
 D.S. = 55 mph  
 S.E. = 6.50%

Plot: 6/28/2022 1:40:53 PM

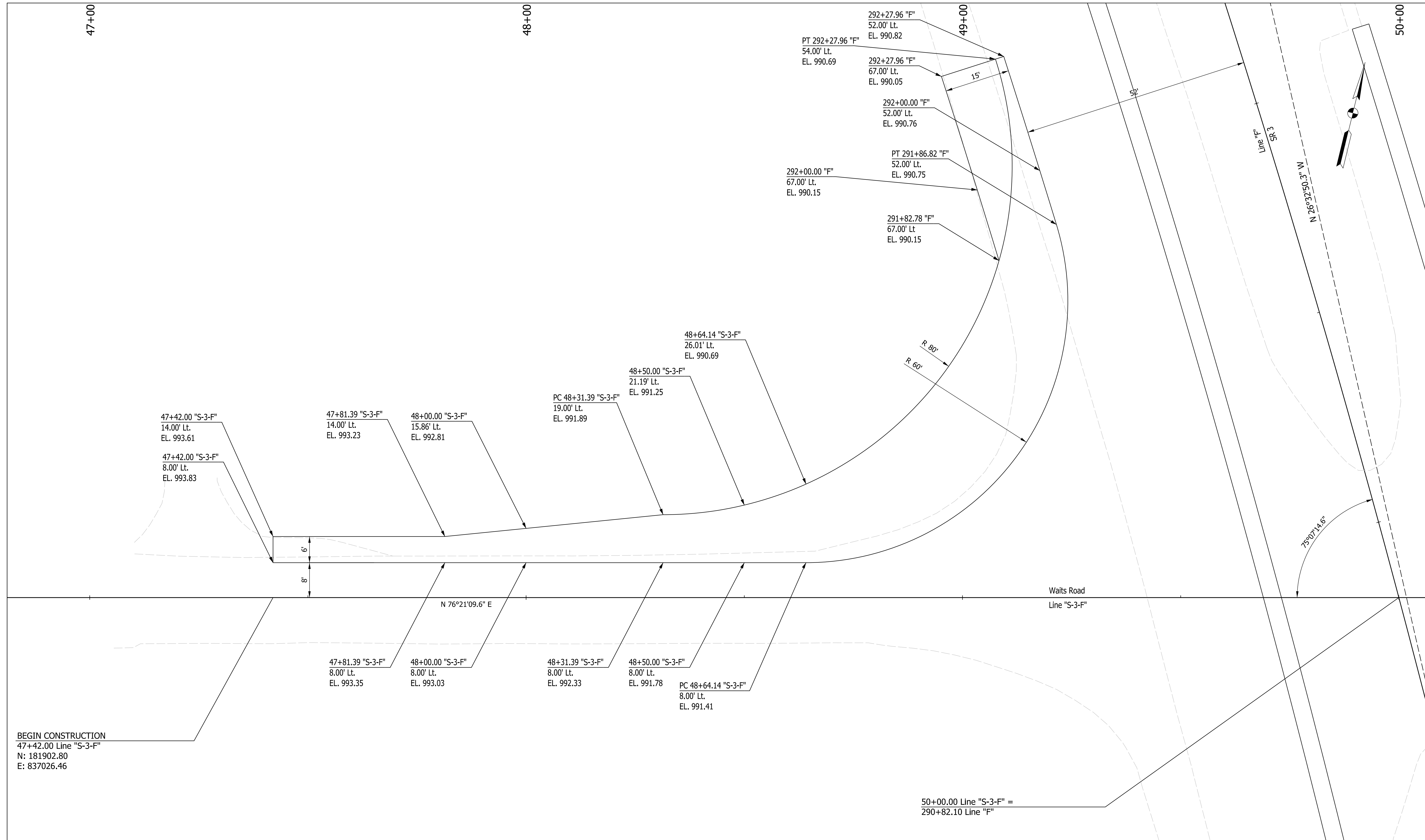
LEGEND:  
 PG = Profile Grade  
 POR = Point of Rotation  
 Δ = 40' VC

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ELM	10/13/2021	DRAWN: ELM
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**SUPERELEVATION DETAILS**  
**P.I. STA. 297+10.70 "F" (SOUTHBOUND)**

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
1" = 0.4'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:40:55 PM

**NOT FOR CONSTRUCTION**

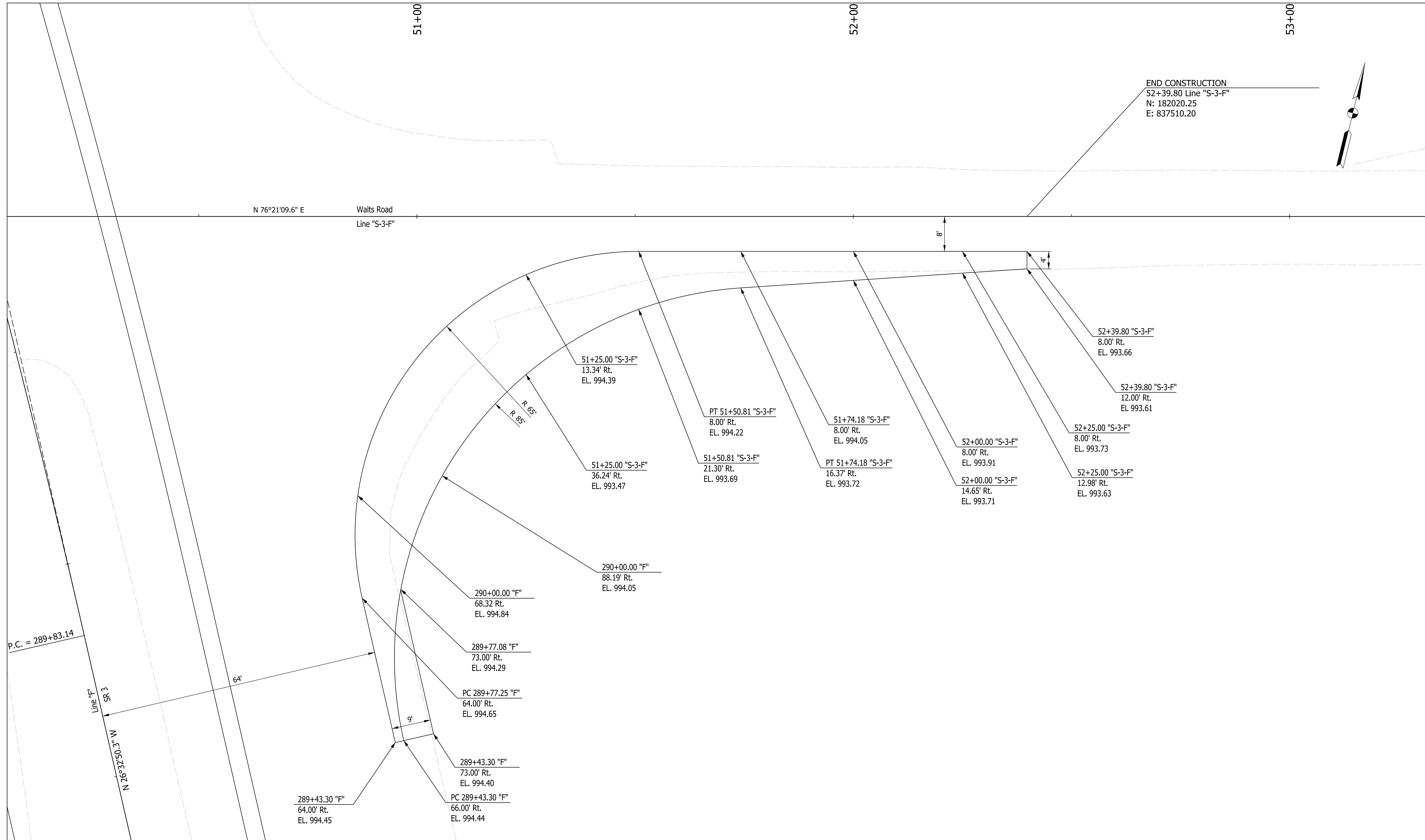
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1/14/2022		1/14/2022
CHECKED: ELM	1/14/2022	CHECKED: ELM
		1/14/2022

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS  
LINE "S-3-F" & LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	32 of 71
CONTRACT	PROJECT
R-42375	1900138





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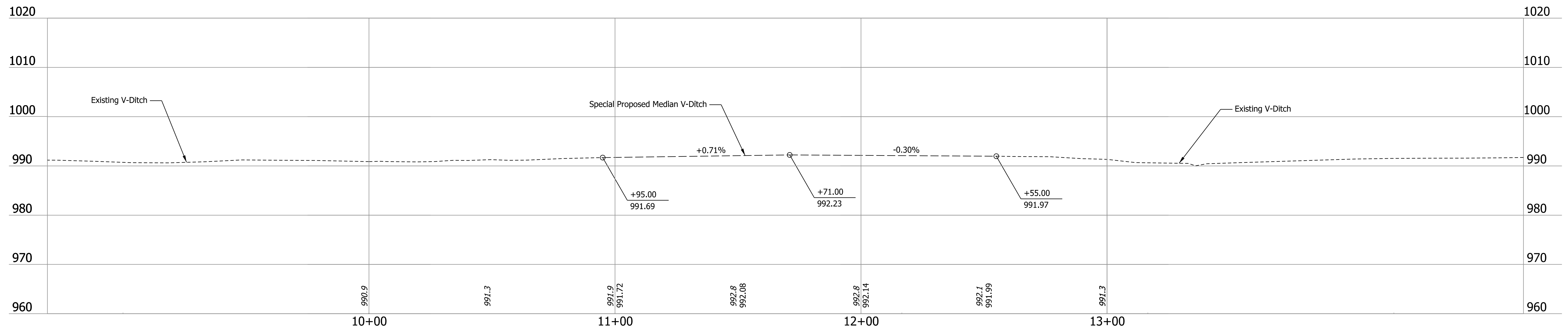
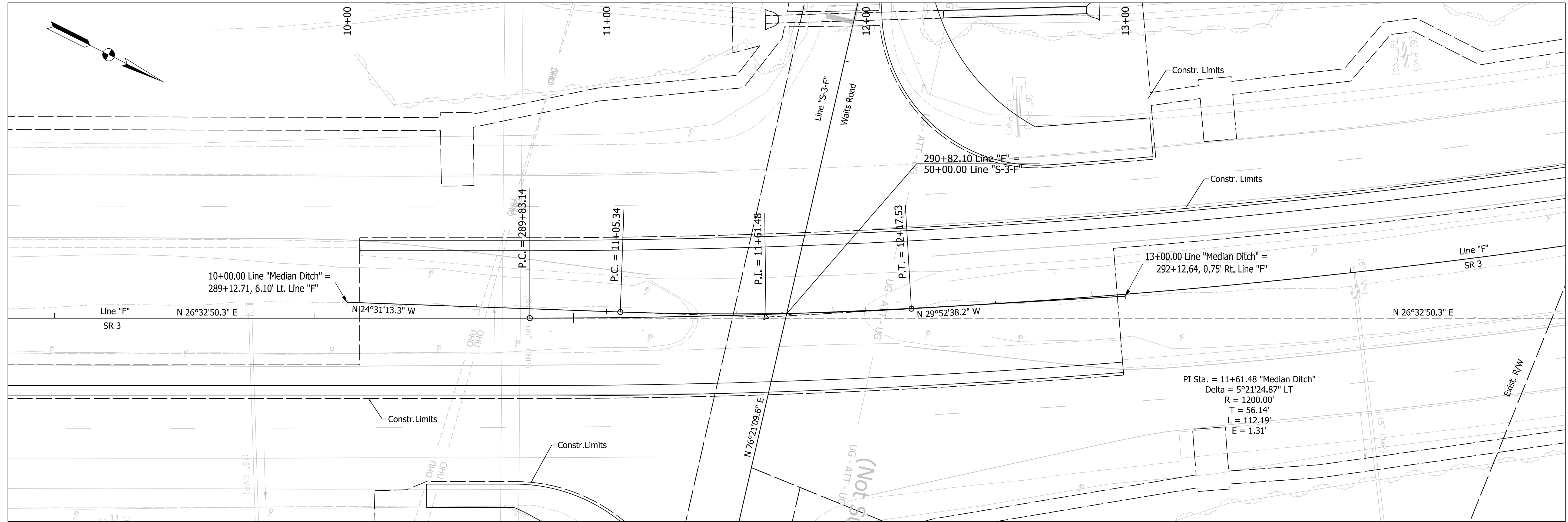
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	1/14/2022	DRAWN: RK 1/14/2022
CHECKED: ELM	1/14/2022	CHECKED: ELM 1/14/2022

INDIANA  
DEPARTMENT OF TRANSPORTATION

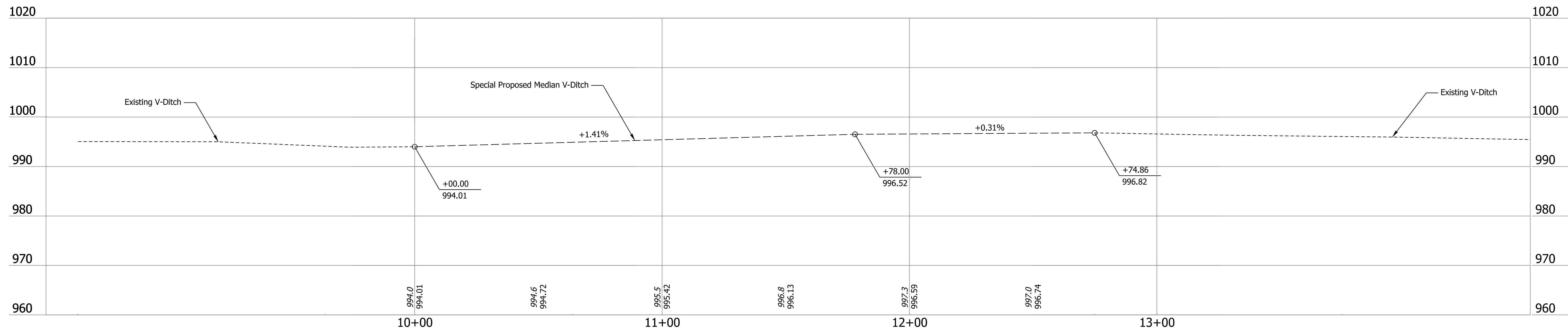
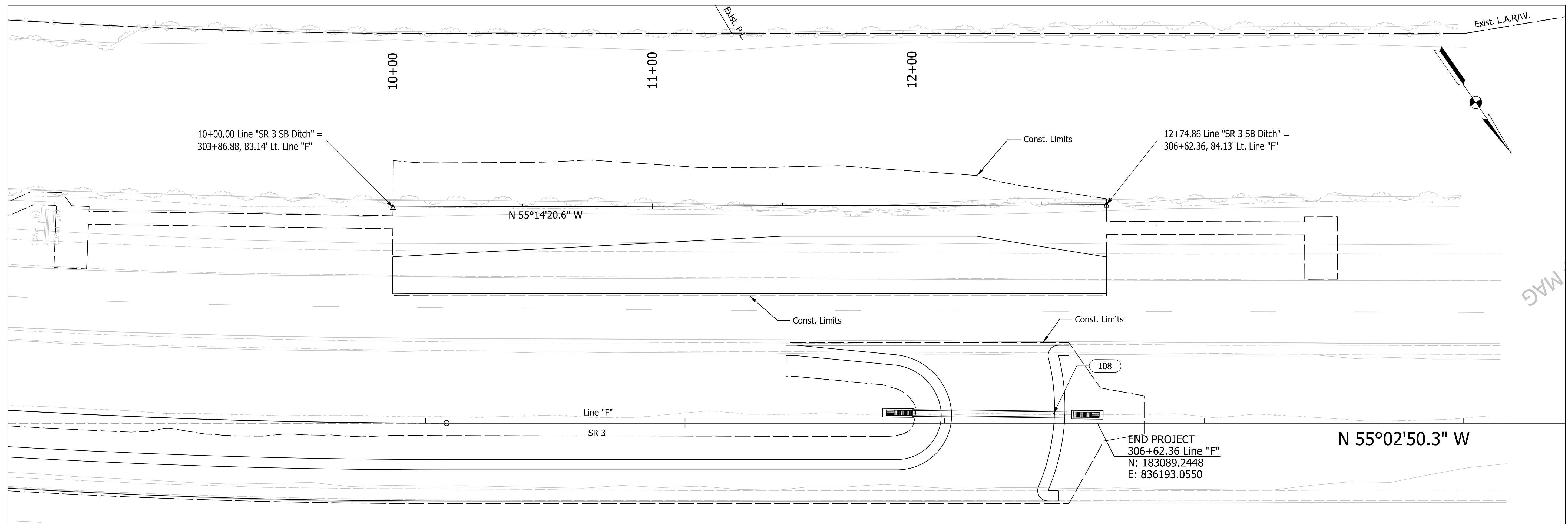
INTERSECTION DETAILS  
LINE "S-3-F" & LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	33 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:40:57 PM

<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
	DESIGNED: RK 1/14/2022	DRAWN: RK 1/14/2022			VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
	CHECKED: ELM 1/14/2022	CHECKED: ELM 1/14/2022		<b>DITCH PLAN AND PROFILE LINE "MEDIAN DITCH"</b>	SURVEY BOOK	SHEETS
					ELECTRONIC	34 of 71
				CONTRACT	PROJECT	
				R-42375	1900138	



Plot: 6/28/2022 1:40:58 PM

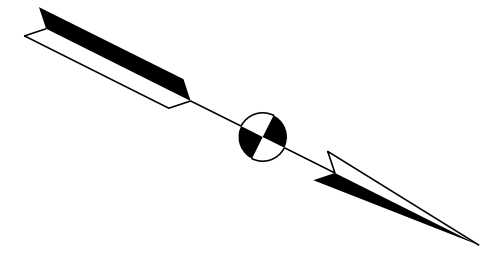
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	1/14/2022	DRAWN: RK 1/14/2022
CHECKED: ELM	1/14/2022	CHECKED: ELM 1/14/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**DITCH PLAN AND PROFILE LINE "SR 3 SB DITCH"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 35 of 71
CONTRACT R-42375	PROJECT 1900138



289+00

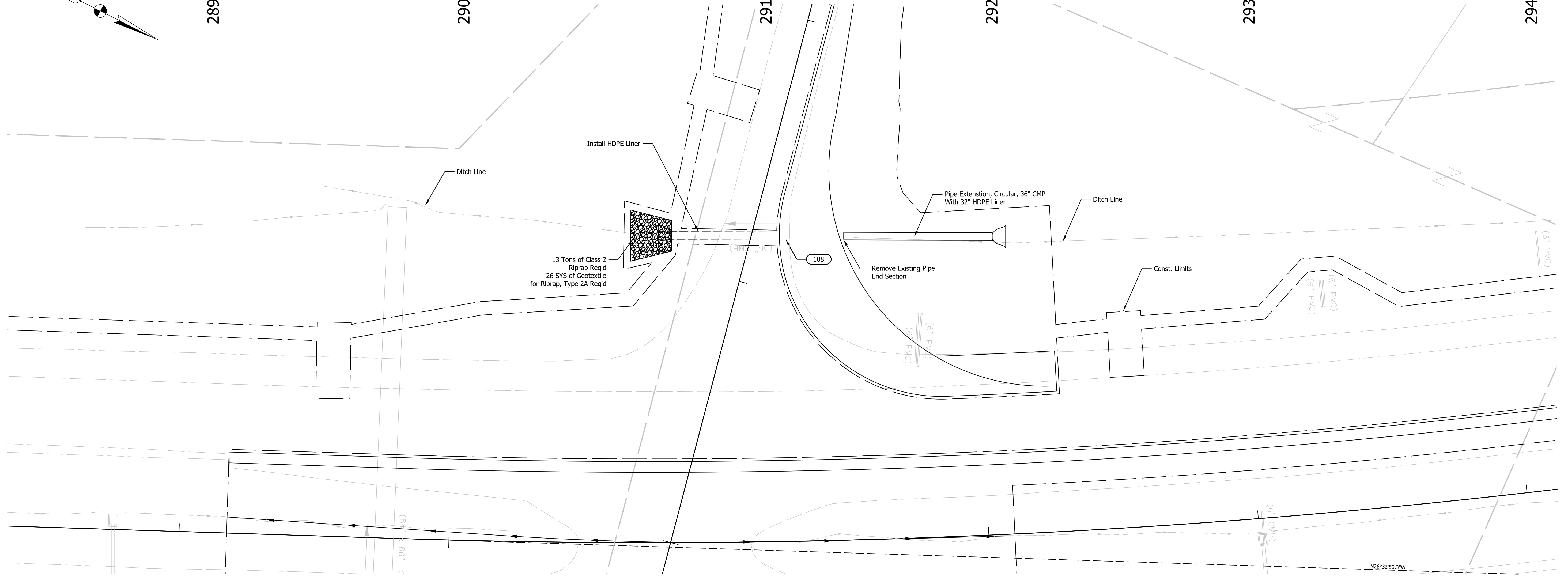
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291+00

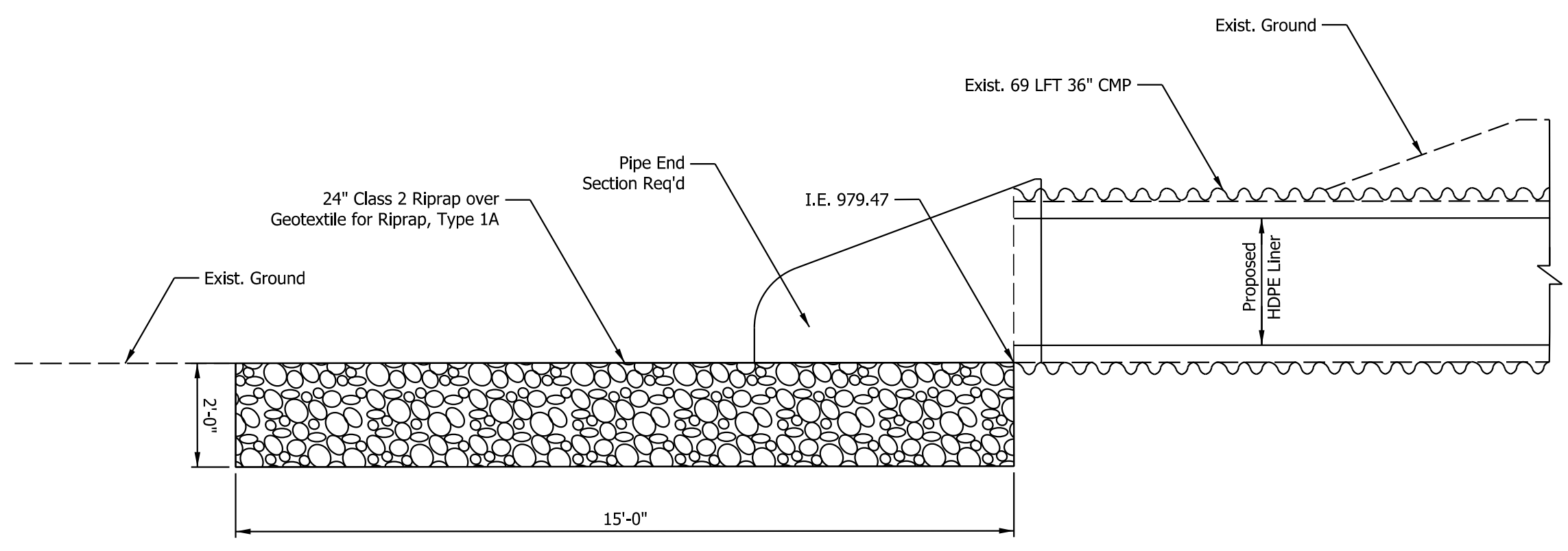
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293+00

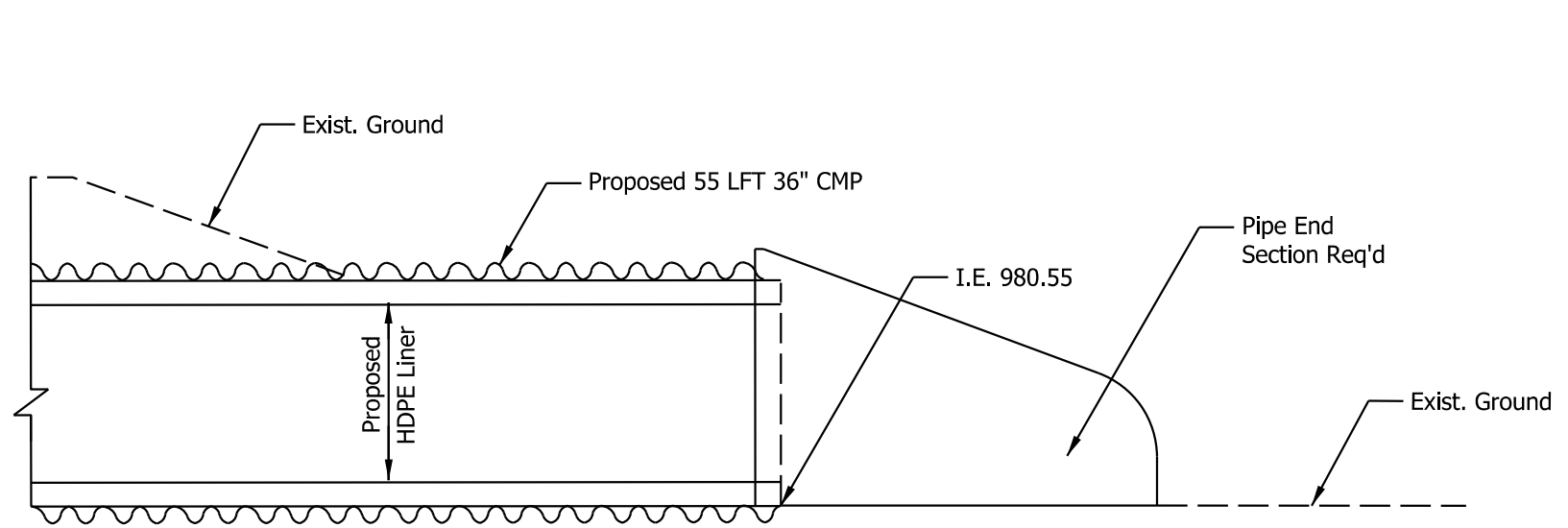
294+00



**PLAN**  
Scale 1" = 30"



**PROFILE VIEW AT OUTLET**  
Scale 1/2" = 1'0"



**PROFILE VIEW AT INLET**  
Scale 1/2" = 1'0"

Plot: 6/28/2022 1:40:59 PM

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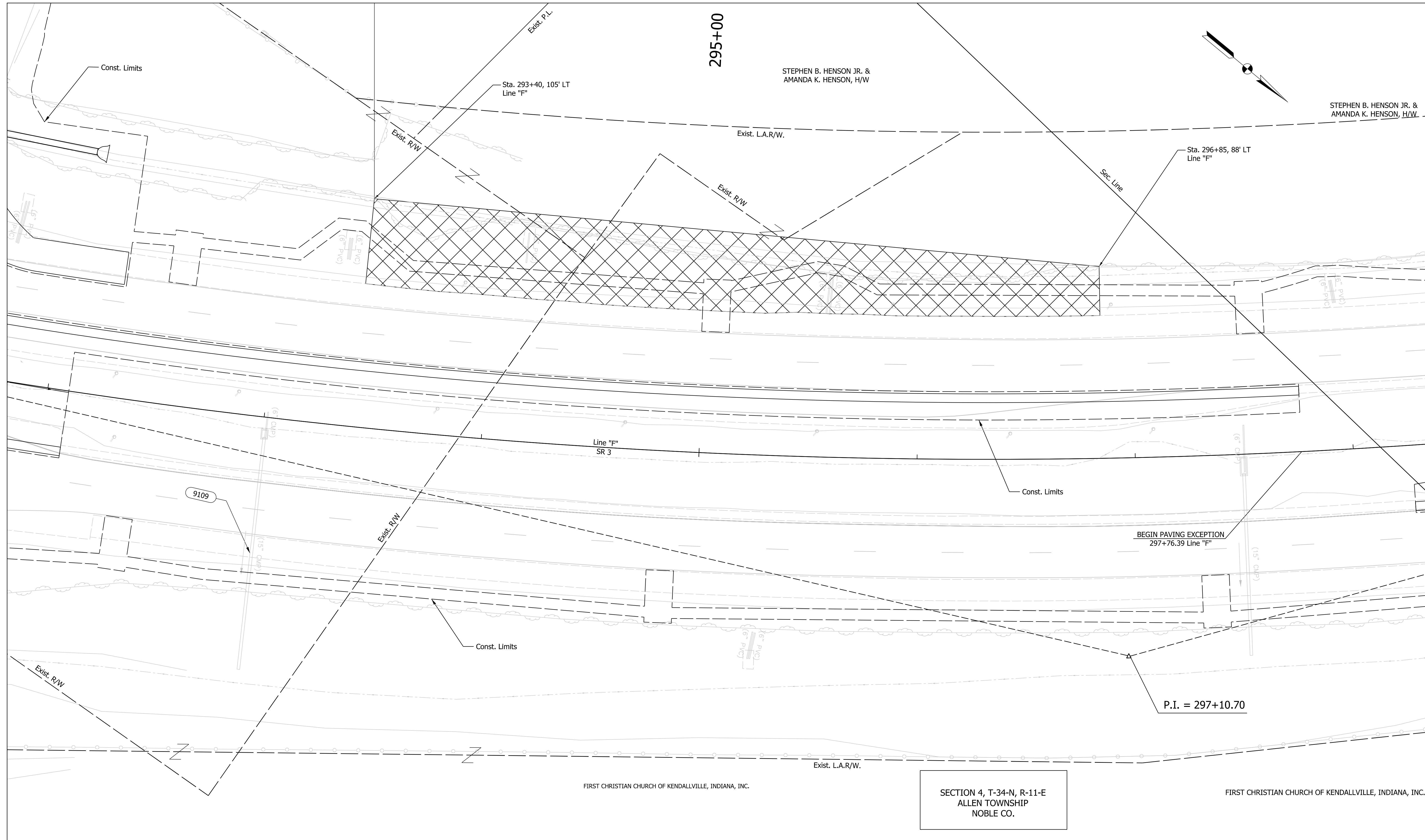
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CMP 1/14/2022	DRAWN: CMP 1/14/2022	
CHECKED: RK 1/14/2022	CHECKED: RK 1/14/2022	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAIL SHEET**

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	36 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:41:01 PM

 Tree Trimming Location

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: RK 1/14/2022	DRAWN: RK 1/14/2022	
CHECKED: ELM 1/14/2022	CHECKED: ELM 1/14/2022	

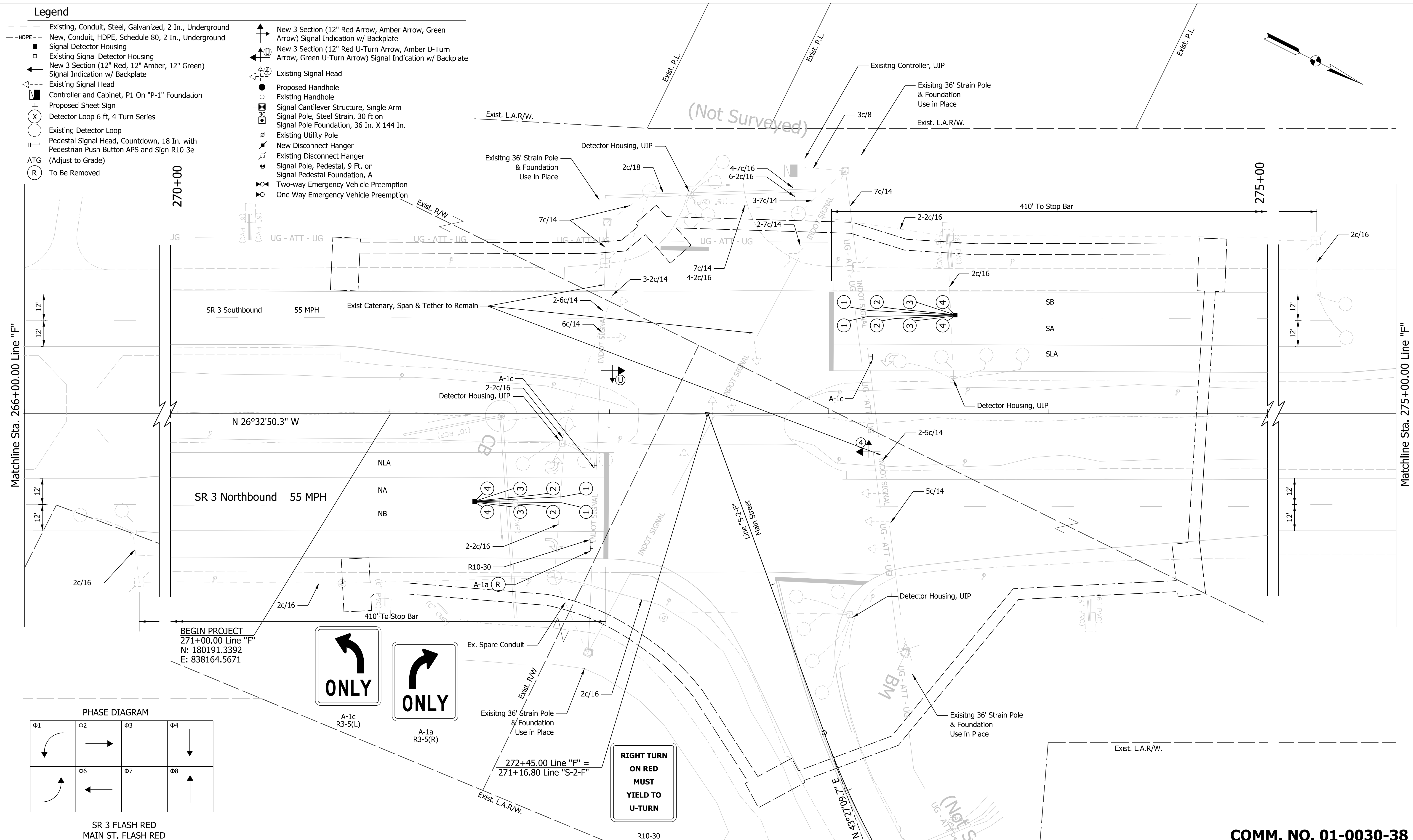
**INDIANA DEPARTMENT OF TRANSPORTATION**

**TREE TRIM LAYOUT**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 37 of 71
CONTRACT R-42375	PROJECT 1900138

**Legend**

- - - Existing, Conduit, Steel, Galvanized, 2 In., Underground
- - - HDPE - - - New, Conduit, HDPE, Schedule 80, 2 In., Underground
- Existing Signal Detector Housing
- Existing Signal Detector Housing
- ← New 3 Section (12" Red, 12" Amber, 12" Green) Signal Indication w/ Backplate
- ⊕ Existing Signal Head
- ⊕ Controller and Cabinet, P1 On "P-1" Foundation
- ⊕ Proposed Sheet Sign
- ⊕ Detector Loop 6 ft, 4 Turn Series
- ⊕ Existing Detector Loop
- ⊕ Pedestal Signal Head, Countdown, 18 In. with Pedestrian Push Button APS and Sign R10-3e (Adjust to Grade)
- ⊕ ATG (Adjust to Grade)
- ⊕ To Be Removed
- ↑ New 3 Section (12" Red Arrow, Amber Arrow, Green Arrow) Signal Indication w/ Backplate
- ↖ New 3 Section (12" Red U-Turn Arrow, Amber U-Turn Arrow, Green U-Turn Arrow) Signal Indication w/ Backplate
- ⊕ Existing Signal Head
- ⊕ Proposed Handhole
- ⊕ Existing Handhole
- ⊕ Signal Cantilever Structure, Single Arm
- ⊕ Signal Pole, Steel Strain, 30 ft on Signal Pole Foundation, 36 In. X 144 In.
- ⊕ Existing Utility Pole
- ⊕ New Disconnect Hanger
- ⊕ Existing Disconnect Hanger
- ⊕ Signal Pole, Pedestal, 9 Ft. on Signal Pedestal Foundation, A
- ⊕ Two-way Emergency Vehicle Preemption
- ⊕ One Way Emergency Vehicle Preemption



**COMM. NO. 01-0030-38**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	40 of 71
CONTRACT	PROJECT
R-42375	1900138

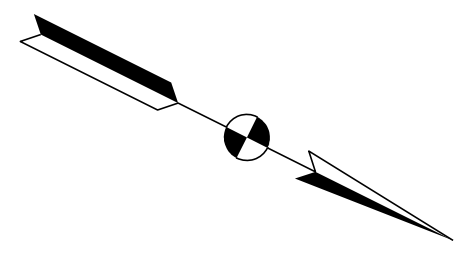
INDIANA  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAIL  
LINE "F"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	6/15/2022	DRAWN: RK
6/15/2022		6/15/2022
CHECKED: RCC	6/17/2022	CHECKED: RCC
6/17/2022		6/17/2022

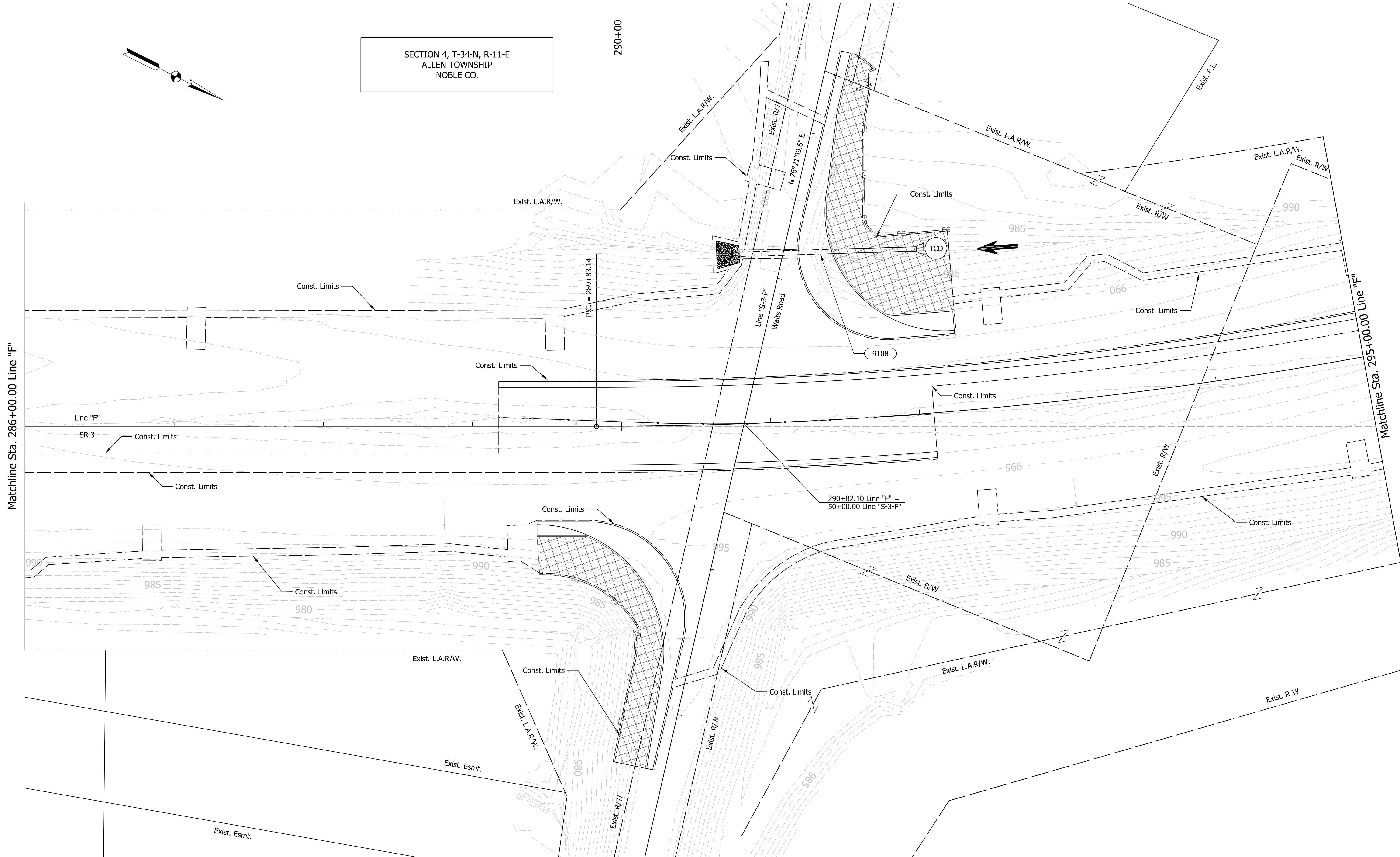
NOT FOR  
CONSTRUCTION

Plot: 6/28/2022 1:41:02 PM



SECTION 4, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.

290+00



Plot: 6/28/2022 1:41:04 PM

LEGEND:	
	Temporary Inlet Protection
	Sediment Traps
	Rip-Rap
	Modified Temporary Check Dam
	Temporary Sediment Basin
	Manufactured Surface Protection Product
	Flow Entering / Leaving Site
	Ditch Flowline
	Filter Sock

**NOT FOR CONSTRUCTION**

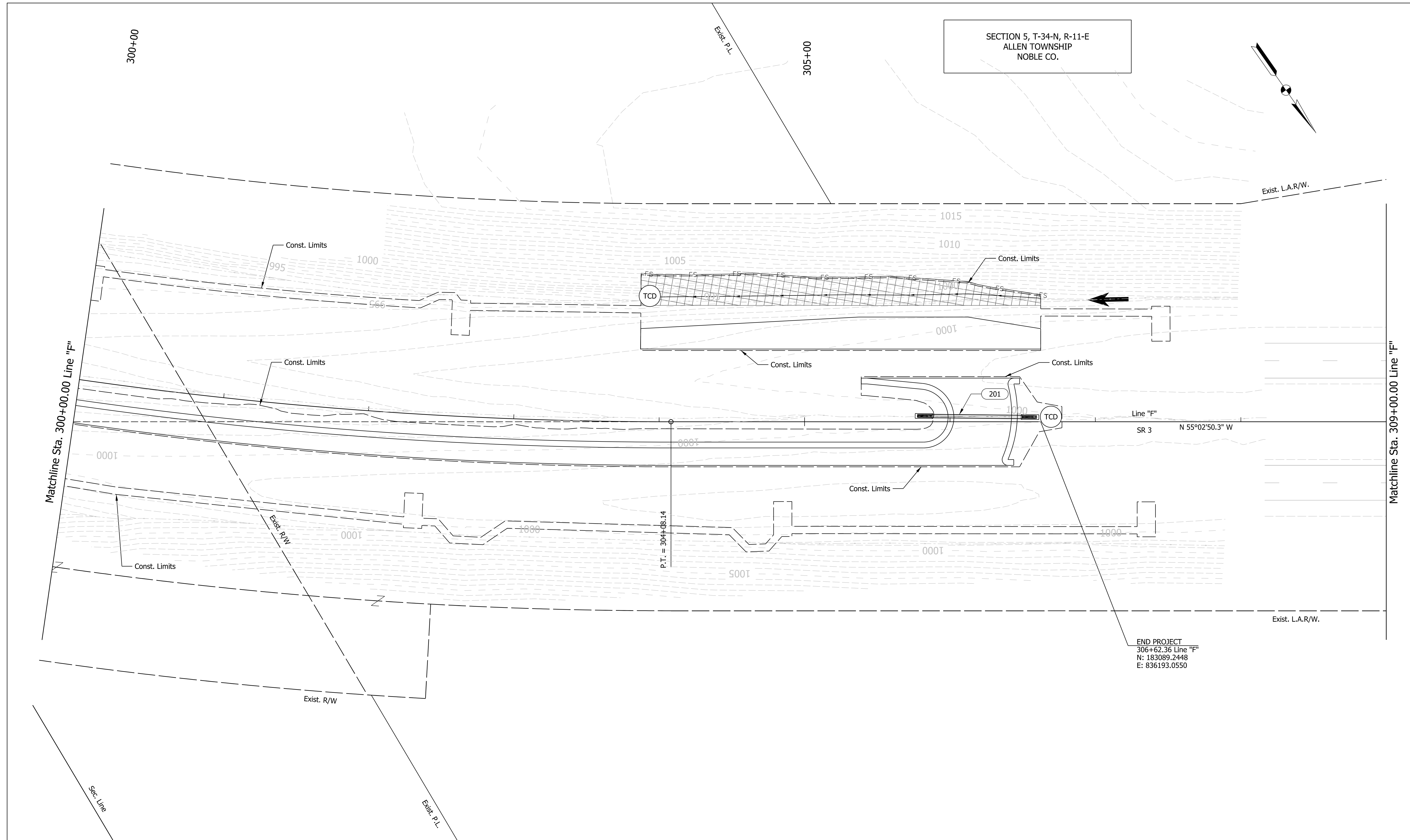
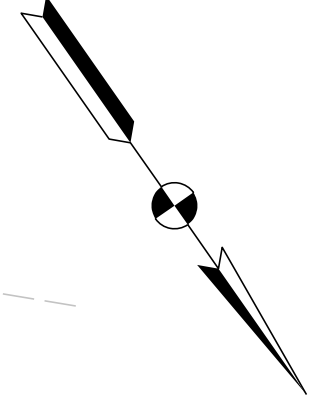
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	5/24/2022	DRAWN: RK
5/24/2022		5/24/2022
CHECKED: ELM	6/1/2022	CHECKED: ELM
		6/1/2022

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS  
LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	38 of 71
CONTRACT	PROJECT
R-42375	1900138

SECTION 5, T-34-N, R-11-E  
ALLEN TOWNSHIP  
NOBLE CO.



END PROJECT  
306+62.36 Line "F"  
N: 183089.2448  
E: 836193.0550

LEGEND:

Temporary Inlet Protection	Sediment Traps	Rip-Rap	Flow Entering / Leaving Site
Modified Temporary Check Dam	Temporary Sediment Basin	Manufactured Surface Protection Product	Ditch Flowline
		FS	Filter Sock

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: RK 5/24/2022	DRAWN: RK 5/24/2022	
CHECKED: ELM 6/1/2022	CHECKED: ELM 6/1/2022	

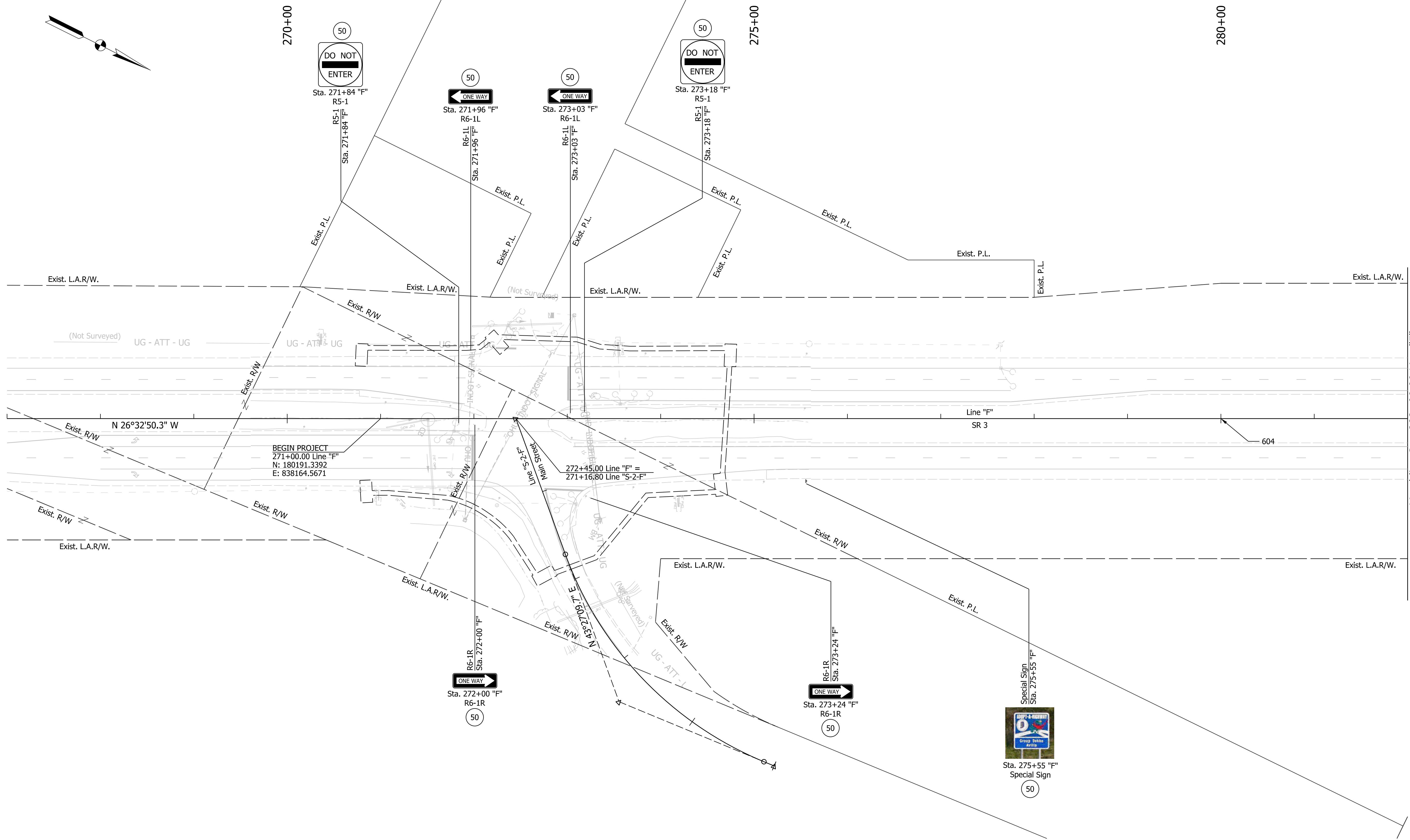
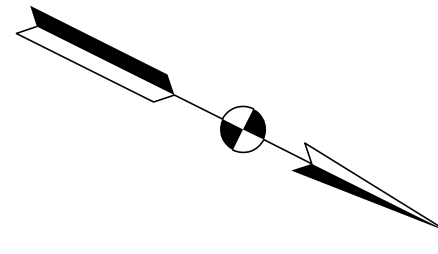
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS  
LINE "F"**

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 39 of 71
CONTRACT R-42375	PROJECT 1900138

Plot: 6/28/2022 1:41:05 PM





Plot: 6/28/2022 1:41:06 PM

- LEGEND:
- 50 NO CHANGE REQUIRED TO EXISTING SIGN AND SUPPORTS
  - 56 REMOVE EXISTING SHEET SIGN AND SUPPORTS
  - 59 EXISTING SHEET SIGN ON NEW SUPPORTS

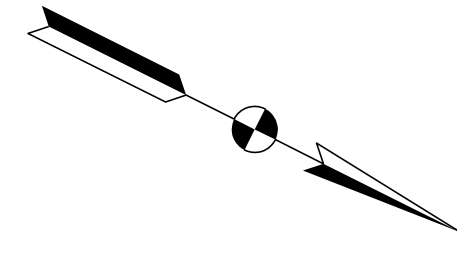
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	5/24/2022	DRAWN: RK
CHECKED: ELM	6/1/2022	CHECKED: ELM

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGN PLAN LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	41 of 71
CONTRACT	PROJECT
R-42375	1900138



285+00

290+00

295+00

Matchline Sta. 282+00.00 Line "F"

Matchline Sta. 296+00.00 Line "F"

BEGIN CONSTRUCTION  
284+13.15 Line "F"  
N: 181366.0370  
E: 837577.6727

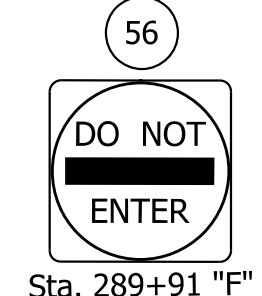
N 26°32'50.3" W

Line "F"  
SR 3

290+82.10 Line "F" =  
50+00.00 Line "S-3-F"

P.C. = 289+83.14

Line "S-3-F"  
Waits Road  
N 76°21'09.6" E



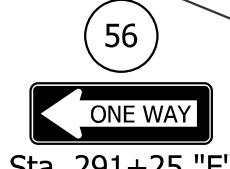
Sta. 289+91 "F"  
R5-1



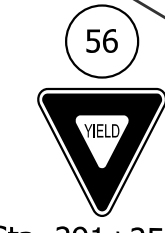
Sta. 290+37 "F"  
R1-2



Sta. 290+65 "F"  
R6-1L



Sta. 291+25 "F"  
R6-1L



Sta. 291+25 "F"  
R1-2



Sta. 290+26 "F"  
R6-1R



Sta. 290+92 "F"  
R6-1R



Sta. 291+86 "F"  
R5-1

Plot: 6/28/2022 1:41:07 PM

LEGEND:

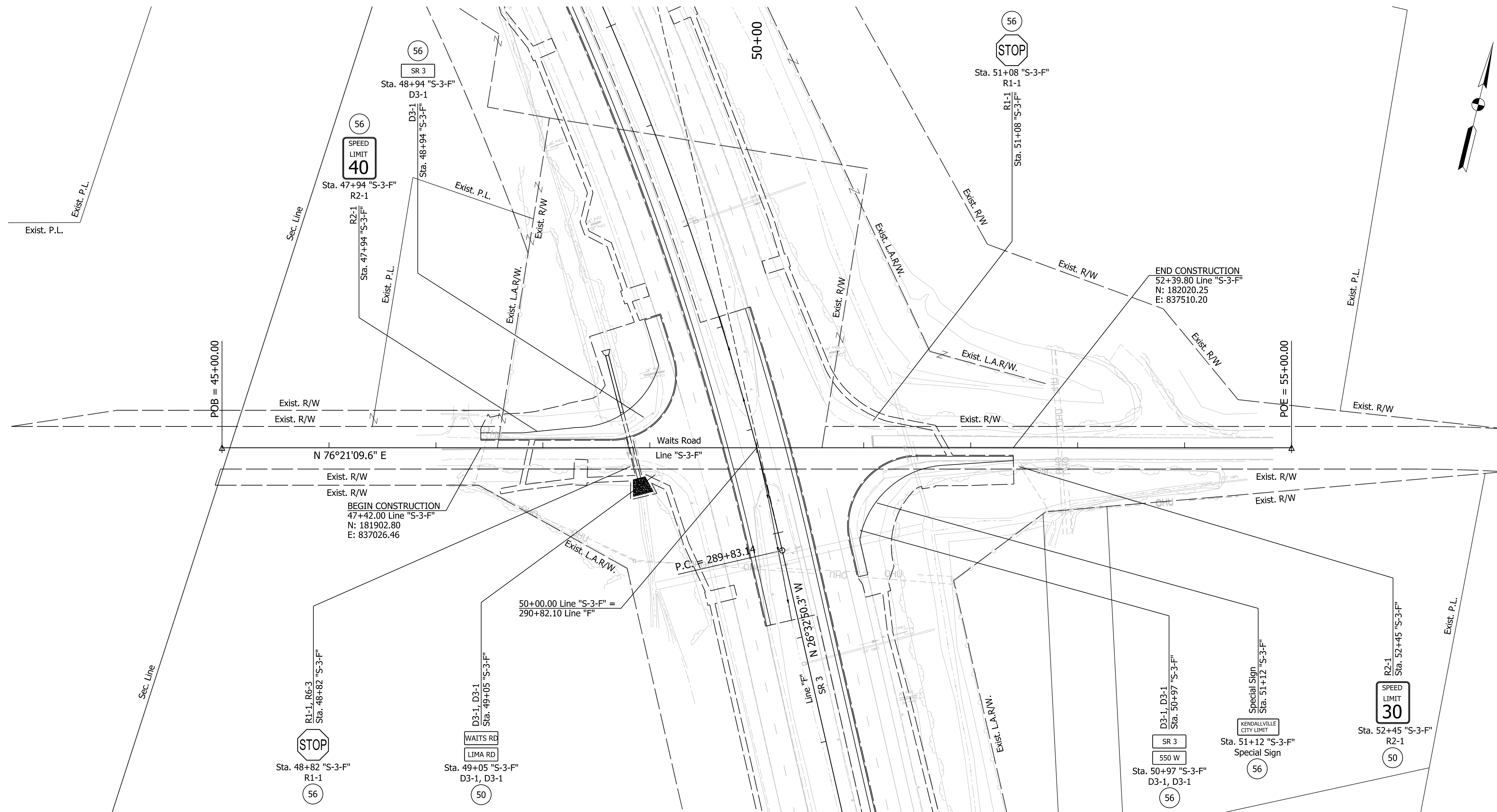
50	NO CHANGE REQUIRED TO EXISTING SIGN AND SUPPORTS
56	REMOVE EXISTING SHEET SIGN AND SUPPORTS
59	EXISTING SHEET SIGN ON NEW SUPPORTS

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	5/24/2022	DRAWN: RK
5/24/2022		5/24/2022
CHECKED: ELM	6/1/2022	CHECKED: ELM
		6/1/2022

INDIANA DEPARTMENT OF TRANSPORTATION	
EXISTING SIGN PLAN LINE "F"	

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	42 of 71
CONTRACT	PROJECT
R-42375	1900138



Plot: 6/28/2022 1:41:09 PM

**LEGEND:**

- 50 NO CHANGE REQUIRED TO EXISTING SIGN AND SUPPORTS
- 56 REMOVE EXISTING SHEET SIGN AND SUPPORTS
- 59 EXISTING SHEET SIGN ON NEW SUPPORTS

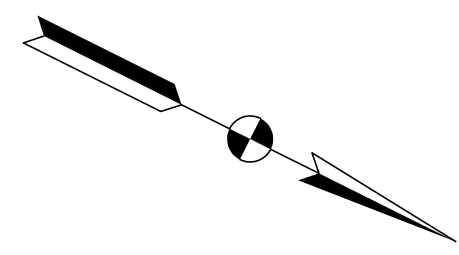
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: RK	5/24/2022	DRAWN: RK	5/24/2022
CHECKED: ELM	6/1/2022	CHECKED: ELM	6/1/2022

**INDIANA DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGN PLAN  
LINE "S-3-F"**

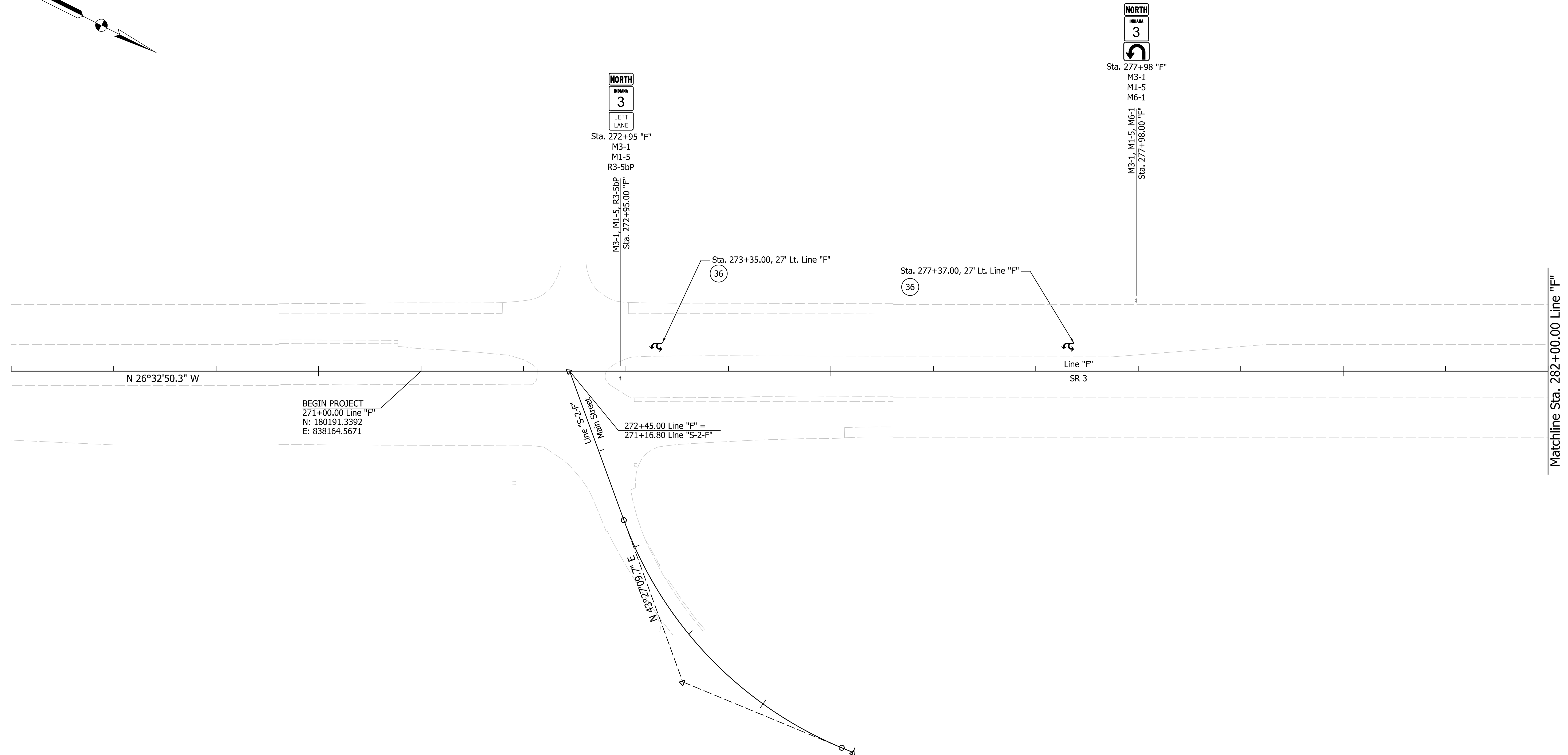
HORIZONTAL SCALE 1" = 50'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 43 of 71
CONTRACT R-42375	PROJECT 1900138



270+00

275+00

280+00



N 26°32'50.3" W

BEGIN PROJECT  
271+00.00 Line "F"  
N: 180191.3392  
E: 838164.5671

272+45.00 Line "F" =  
271+16.80 Line "S-2-F"

Sta. 273+35.00, 27' Lt. Line "F"

Sta. 277+37.00, 27' Lt. Line "F"

Line "F"  
SR 3

Matchline Sta. 282+00.00 Line "F"



Sta. 272+95 "F"  
M3-1  
M1-5  
R3-5bP

M3-1, M1-5, R3-5bP  
Sta. 272+95.00 "F"



Sta. 277+98 "F"  
M3-1  
M1-5  
M6-1  
M3-1, M1-5, M6-1  
Sta. 277+98.00 "F"

Note: Refer to Existing Sign Plan Sheets for Signs To Remain In Place.

Note: Refer to Existing Sign Plan Sheets for Signs To Remain In Place.

Plot: 6/28/2022 1:41:10 PM

LEGEND:	
36	PAVEMENT MESSAGE MARKING, THERMOPLASTIC
37	LANE INDICATION ARROW PAVEMENT MESSAGE MARKING, THERMOPLASTIC ONLY
38	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.
39	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.
40	LINE, THERMOPLASTIC, SOLID, YELLOW, 10 IN.
41	LINE, THERMOPLASTIC, BROKEN, WHITE, 6 IN.
45	TRANSVERSE MARKING, THERMOPLASTIC STOP LINE, WHITE, 24 IN.
46	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 12 IN.

47	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12 IN.
50	EXISTING SIGN TO REMAIN IN PLACE
●	DELINEATOR POST, FLEXIBLE, TYPE I (50 FT. SPACING)
••	SNOWPLOWABLE RAISED PAVEMENT MARKERS (80 FT. SPACING AT TANGENTS, 40 FT. SPACING AT TAPERS)

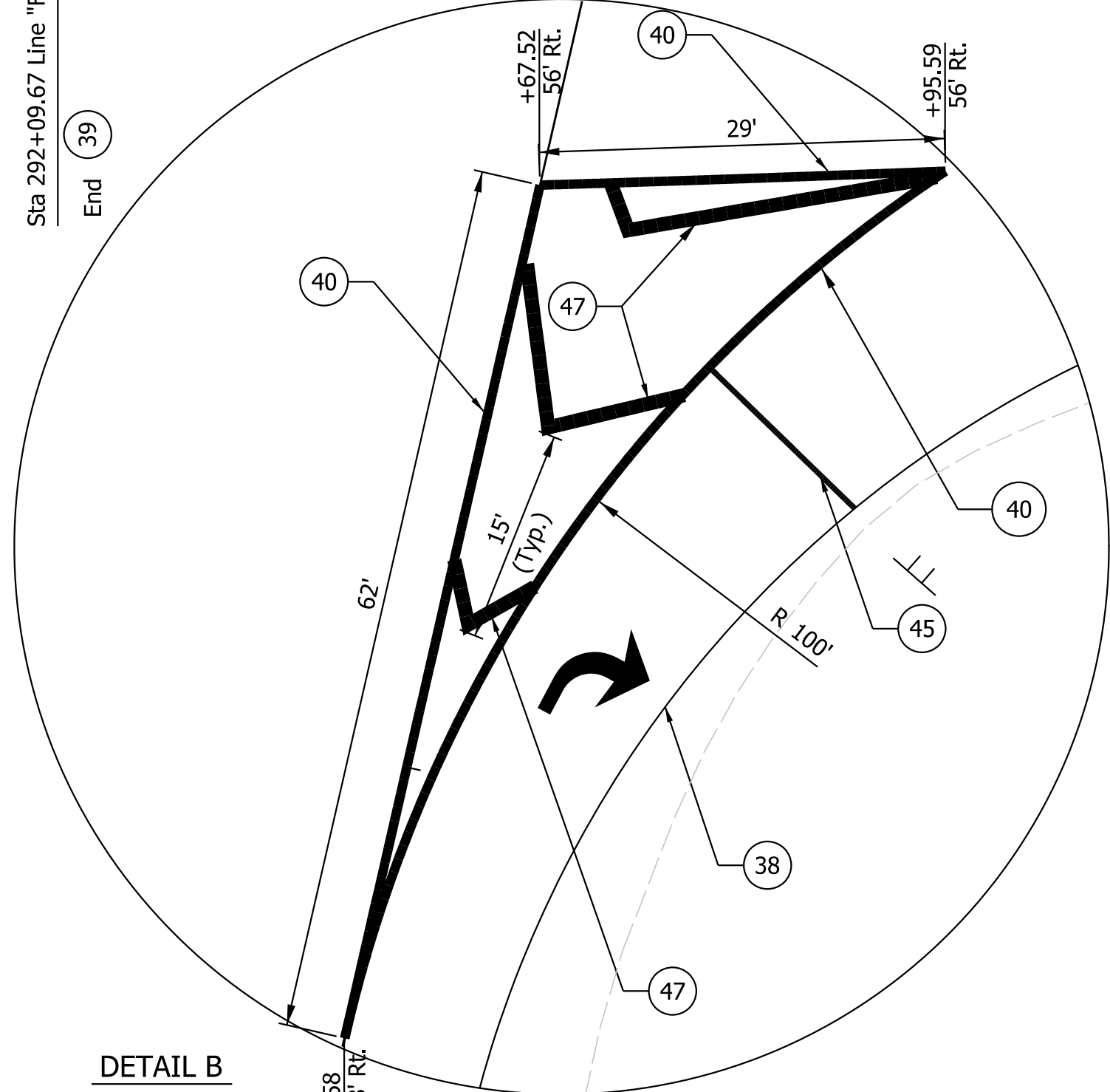
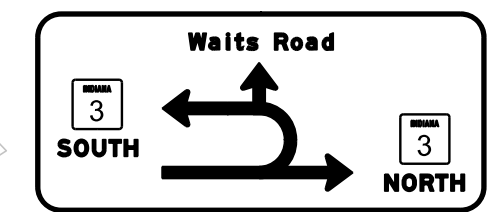
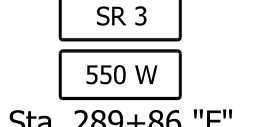
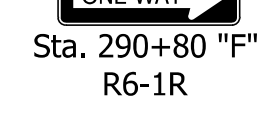
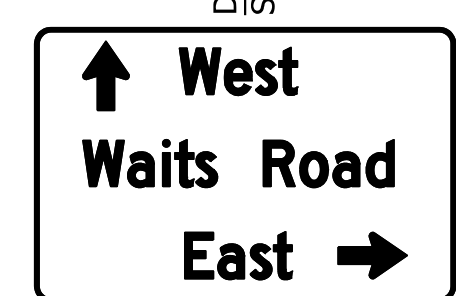
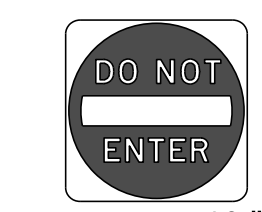
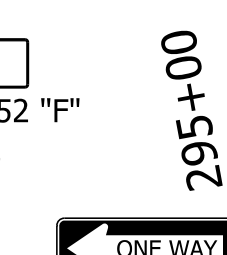
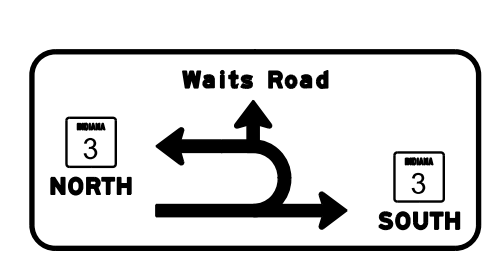
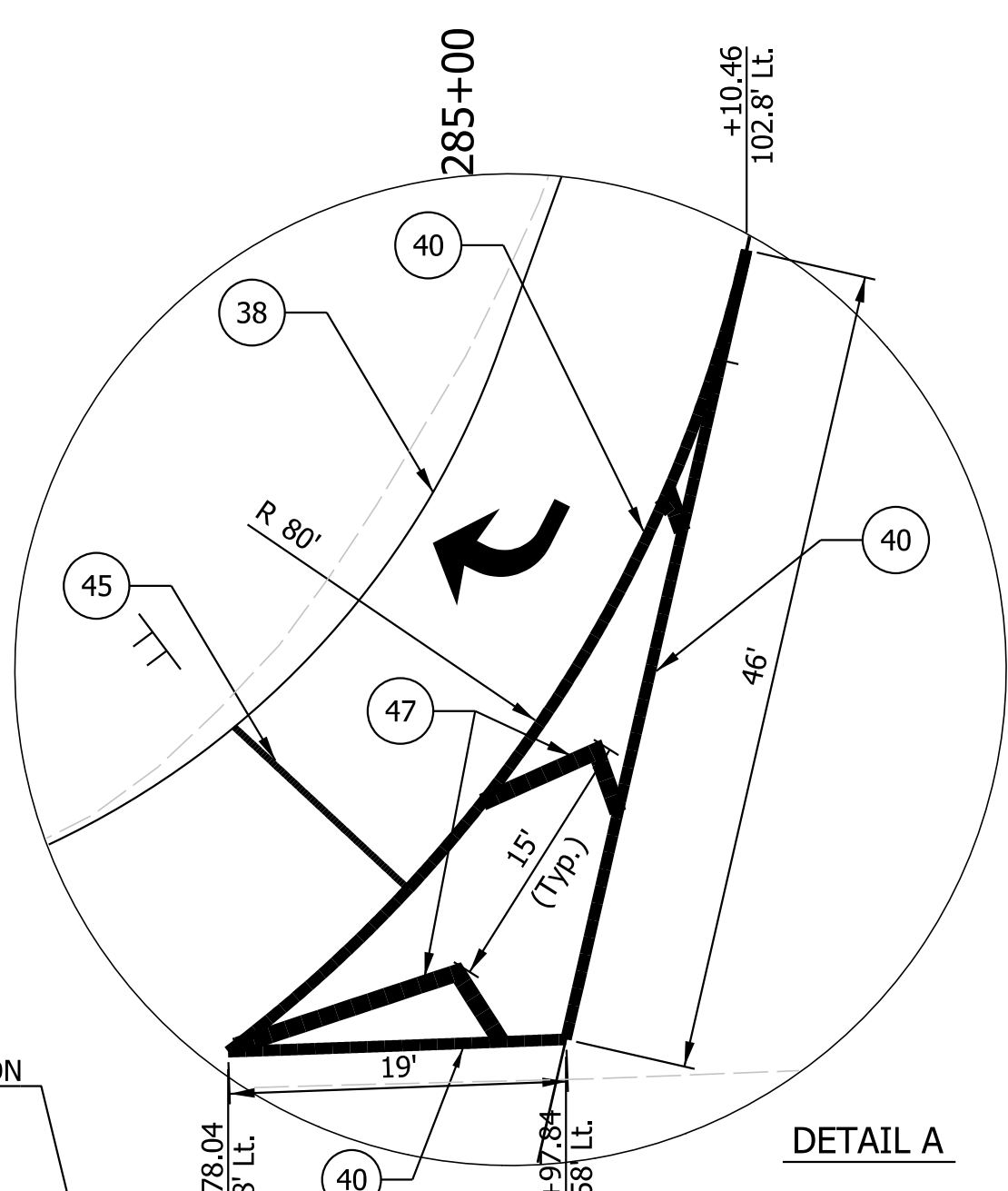
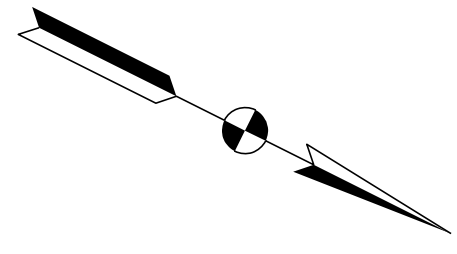
**NOT FOR  
CONSTRUCTION**

RECOMMENDED FOR APPROVAL			
DESIGN ENGINEER		DATE	
DESIGNED: RK	5/24/2022	DRAWN: RK	5/24/2022
CHECKED: ELM	6/1/2022	CHECKED: ELM	6/1/2022

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGN DETAILS  
LINE "F"**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 50'		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		1900138	
SURVEY BOOK		SHEETS	
ELECTRONIC		44	of 71
CONTRACT		PROJECT	
R-42375		1900138	



Matchline Sta. 282+00.00 Line "F"

Matchline Sta. 296+00.00 Line "F"

BEGIN CONSTRUCTION  
284+13.15 Line "F"  
N: 181366.0370  
E: 837577.6727

BEGIN CONSTRUCTION  
47+42.00 Line "S-3-F"  
N: 181902.80  
E: 837026.46

END CONSTRUCTION  
52+39.80 Line "S-3-F"  
N: 182020.25  
E: 837510.20

Note: Refer to Existing Sign Plan Sheets for Signs To Remain In Place.

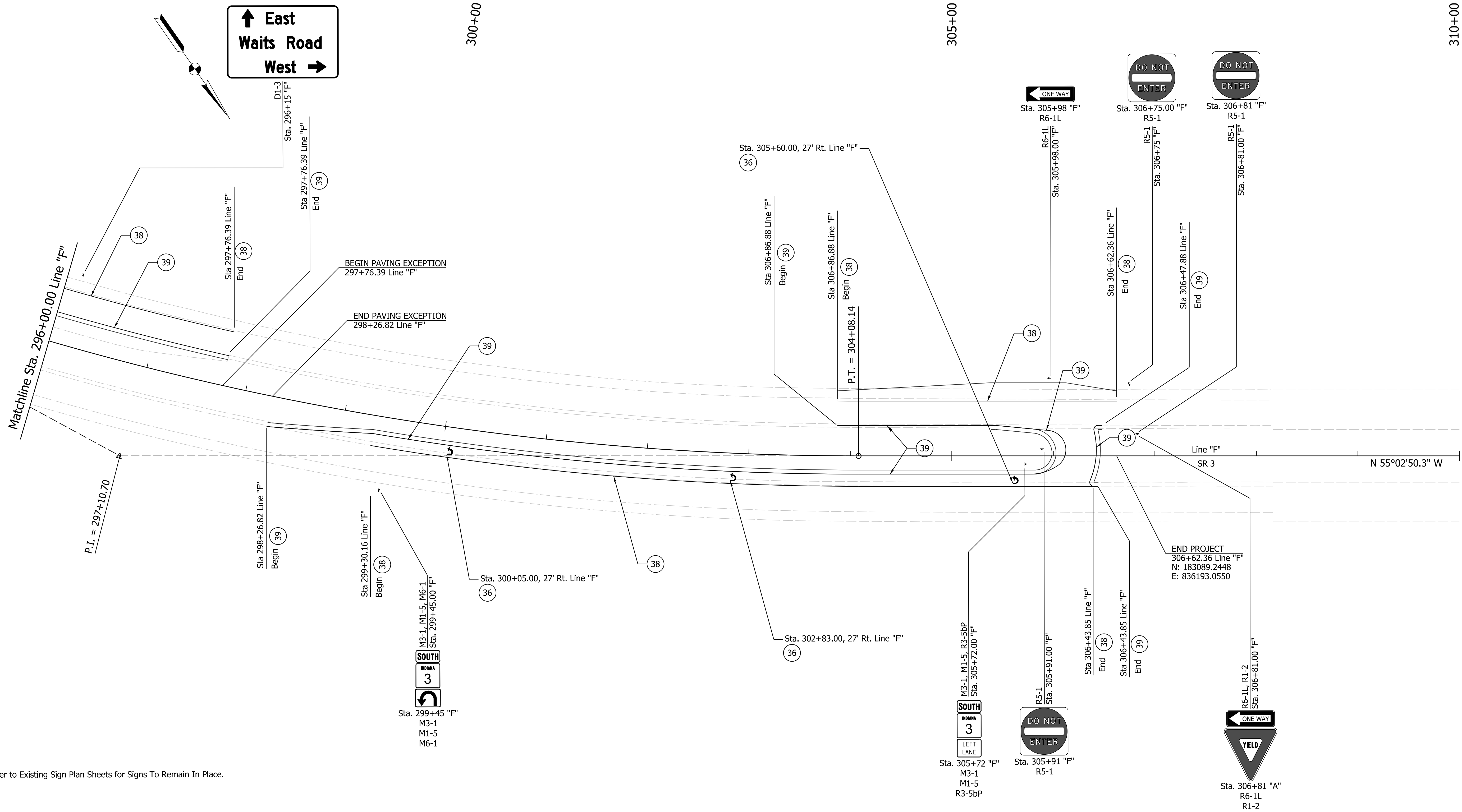
LEGEND:	
36	PAVEMENT MESSAGE MARKING, THERMOPLASTIC LANE INDICATION ARROW
37	PAVEMENT MESSAGE MARKING, THERMOPLASTIC ONLY
38	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.
39	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.
40	LINE, THERMOPLASTIC, SOLID, YELLOW, 10 IN.
41	LINE, THERMOPLASTIC, BROKEN, WHITE, 6 IN.
45	TRANSVERSE MARKING, THERMOPLASTIC STOP LINE, WHITE, 24 IN.
46	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 12 IN.
47	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12 IN.
50	EXISTING SIGN TO REMAIN IN PLACE
●	DELINEATOR POST, FLEXIBLE, TYPE I (50 FT. SPACING)
••	SNOW/PLOWABLE RAISED PAVEMENT MARKERS (80 FT. SPACING AT TANGENTS, 40 FT. SPACING AT TAPERS)

NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	
	DESIGNED: RK	5/24/2022	DRAWN: RK	5/24/2022
	CHECKED: ELM	6/1/2022	CHECKED: ELM	6/1/2022
	POE = 55+00.00			

INDIANA DEPARTMENT OF TRANSPORTATION	
PAVEMENT MARKING AND SIGN DETAILS LINE "F"	

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	45 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:41:11 PM



Note: Refer to Existing Sign Plan Sheets for Signs To Remain In Place.

Plot: 6/28/2022 1:41:13 PM

LEGEND:	
36	PAVEMENT MESSAGE MARKING, THERMOPLASTIC LANE INDICATION ARROW
37	PAVEMENT MESSAGE MARKING, THERMOPLASTIC ONLY
38	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.
39	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.
40	LINE, THERMOPLASTIC, SOLID, YELLOW, 10 IN.
41	LINE, THERMOPLASTIC, BROKEN, WHITE, 6 IN.
45	TRANSVERSE MARKING, THERMOPLASTIC STOP LINE, WHITE, 24 IN.
46	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 12 IN.
47	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12 IN.
50	EXISTING SIGN TO REMAIN IN PLACE
●	DELINEATOR POST, FLEXIBLE, TYPE I (50 FT. SPACING)
••	SNOW/PLOWABLE RAISED PAVEMENT MARKERS (80 FT. SPACING AT TANGENTS, 40 FT. SPACING AT TAPERS)

NOT FOR CONSTRUCTION			
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: RK	5/24/2022	DRAWN: RK	5/24/2022
CHECKED: ELM	6/1/2022	CHECKED: ELM	6/1/2022

INDIANA DEPARTMENT OF TRANSPORTATION	
PAVEMENT MARKING AND SIGN DETAILS LINE "F"	

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	46 of 71
CONTRACT	PROJECT
R-42375	1900138

# PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION		LINE THERMOPLASTIC				TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE		TRANSVERSE MARKINGS THERMOPLASTIC CROSSHATCH LINE		PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	DELINEATOR POST, FLEXIBLE, TYPE I (50FT SPACING)	SNOWPLOWABLE RAISED PAVEMENT MARKERS
		SOLID WHITE 6 in	SOLID YELLOW 6 in	BROKEN WHITE 6 in	SOLID YELLOW 10 in	SOLID WHITE 12 in	SOLID WHITE 24 in	SOLID WHITE 12 in	SOLID YELLOW 12 in				
FROM	TO	ft	ft	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH	EACH
LINE "F" (NB)													
284+13.15	289+78.96	566.00											
284+13.15	292+09.67		799.00										
285+90.00	289+78.96	389.00											
291+25.94	292+28.85	106.00											
298+26.82	305+72.00	760.00											
299+30.16	306+43.85	715.00											
282+00.00 to 296+00.00										2		7	
296+00.00 to End										3			
LINE "F" (SB)													
289+17.60	290+45.67	129.00											
289+17.60	297+76.39		851.00										
291+83.00	297+76.39	579.00											
306+86.88	306+62.36	276.00											
306+86.88	305+98.00		207.00										
290+00.00	291+50.00											7	
Begin to 282+00.00										2			
LINE "F" U-TURN			151.00										
LINE "S-3-F"													
47+42.00	49+44.77	221.00											
47+42.00	49+19.63	231.00											
50+89.00	52+39.80	201.00											
50+50.00	52+39.80	211.00											
47+42.00	49+56.54		396.00										
50+57.90	52+39.80		364.00										
Begin to End										4			
49+30.00								14.00					
50+71.00								15.00					
RT Turn Island to SB SR 3					122.00				32.00				
RT Turn Island to NB SR 3					167.00				58.00				
TOTALS		4,384.00	2,768.00		289.00			29.00	90.00	11		14	

Plot: 6/28/2022 1:41:14 PM

NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE N/A	BRIDGE FILE N/A
	DESIGNED: RK 5/24/2022 DRAWN: RK 5/24/2022		VERTICAL SCALE N/A	DESIGNATION 1900138
	CHECKED: ELM 6/1/2022 CHECKED: ELM 6/1/2022	PAVEMENT MARKINGS TABLE	SURVEY BOOK ELECTRONIC	SHEETS 47 of 71
			CONTRACT R-42375	PROJECT 1900138

## SHEET SIGN & POST SUMMARY

PLAN SHEET NO. / LINE	SIGN LOCATION				SIGN			POST									REMARKS		
	STATION	LEFT	RIGHT	OFFSET (ft.)	SIGN CODE	GROUND - MOUNTED SIGN AREA (ft <sup>2</sup> )			MOUNTED ON PANEL SIGN AREA (ft <sup>2</sup> )	SQUARE									
						0.080"	0.100"	0.125"		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)			
										UNREINFORCED ANCHOR			REINFORCED ANCHOR			REINFORCED ANCHOR			
POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)													
1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL					
F	271+84		X	5.00	Ex. R5-1	36	x	36										Do not disturb	
F	271+93		X	61.00	Ex. R3-5R	30	x	36										To be Removed	
F	271+94		X	23.00	Ex. R3-5L	30	x	36										Do not disturb	
F	271+96	X		73.00	Ex. R6-1L	54	x	18										Do not disturb	
F	272+00		X	7.00	Ex. R6-1R	54	x	18										Do not disturb	
F	273+03	X		5.00	Ex. R6-1L	54	x	18										Do not disturb	
F	273+18	X		7.00	Ex. R5-1	36	x	36										Do not disturb	
F	273+19	X		26.00	Ex. R3-5L	30	x	36										Do not disturb	
F	273+24		X	85.00	Ex. R6-1R	54	x	18										Do not disturb	
F	275+55		X	67.00	Ex. Special Sign													Do not disturb	
F	289+91		X	5.00	Ex. R5-1	36	x	36										To be Removed	
F	290+26		X	5.00	Ex. R6-1R	54	x	18										To be Removed	
F	290+37		X	1.00	Ex. R1-2	48	x48	x48										To be Removed	
F	290+65	X		77.00	Ex. R6-1L	54	x	18										To be Removed	
F	290+92		X	93.00	Ex. R6-1R	54	x	18										To be Removed	
F	291+25		X	2.00	Ex. R6-1L	54	x	18										To be Removed	
F	291+25	X		3.00	Ex. R1-2	48	x48	x48										To be Removed	
F	291+86	X		10.00	Ex. R5-1	36	x	36										To be Removed	
S-3-F	47+94	X		15.00	Ex. R2-1	24	x	30										To be Removed	
S-3-F	48+82		X	17.00	Ex. R1-1	30	x	30										To be Removed	
S-3-F	48+94	X		29.00	Ex. D3-1	24	x	8										To be Removed	
S-3-F	49+05		X	25.00	Ex. D3-1	24	x	8										Do not disturb	
S-3-F	51+08	X		25.00	Ex. R1-1	30	x	30										To be Removed	
S-3-F	50+97		X	77.00	Ex. D3-1	24	x	8										To be Removed	
S-3-F	51+12		X	52.00	Ex. Special Sign													To be Removed	
S-3-F	52+45	X	X	16.00	Ex. R2-1	24	x	30										Do not disturb	

Plot: 6/28/2022 1:41:15 PM

**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: RK 5/24/2022	DRAWN: RK 5/24/2022	
CHECKED: ELM 6/1/2022	CHECKED: ELM 6/1/2022	

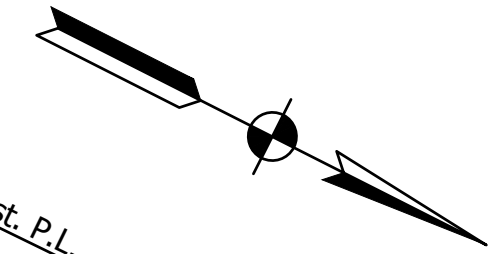
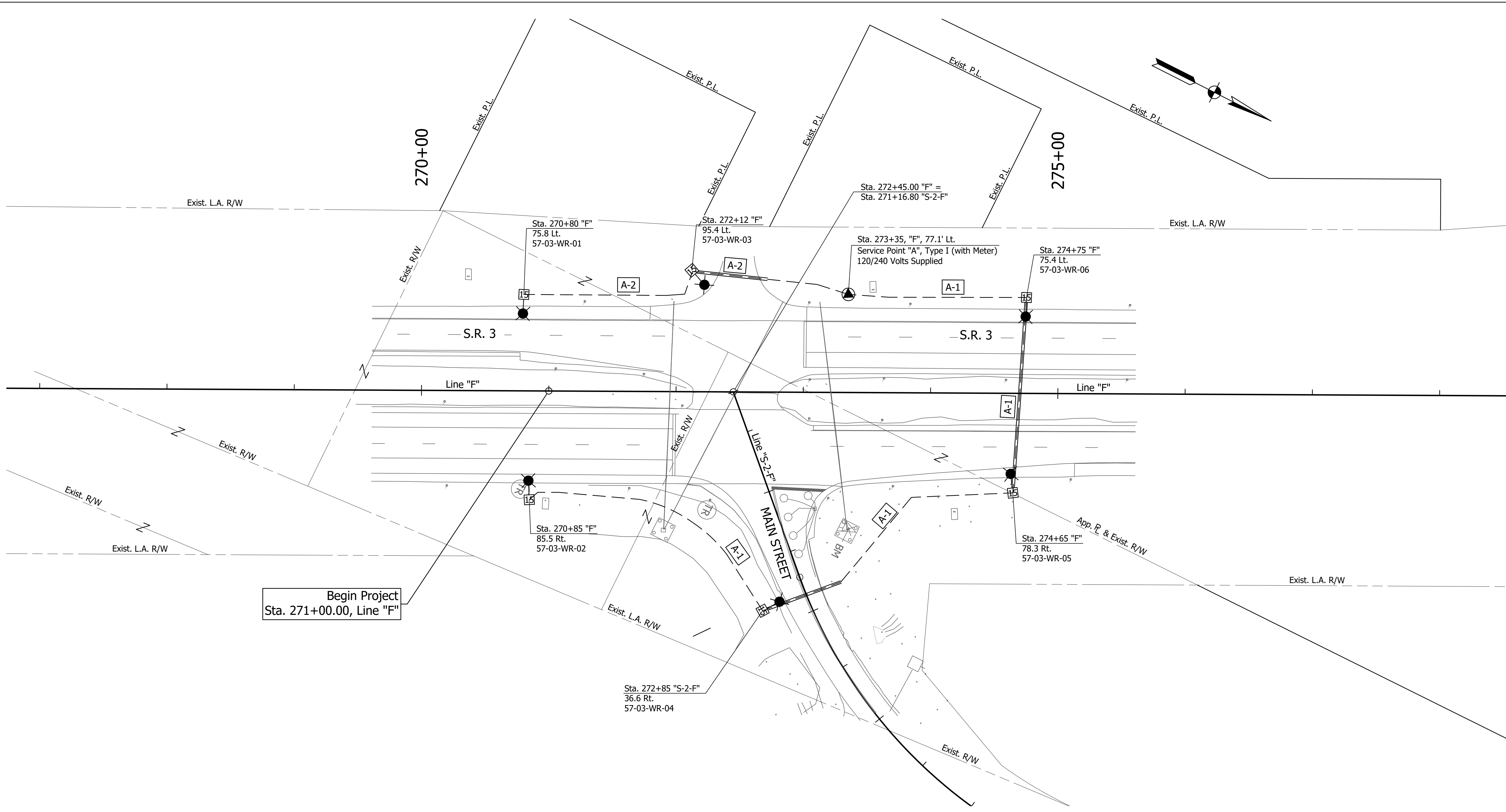
INDIANA DEPARTMENT OF TRANSPORTATION
SHEET SIGN AND POST TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	48 of 71
CONTRACT	PROJECT
R-42375	1900138





DIRECTORY: F:\2020\20-4338 CMT FW Dist On-call\03\_SR\_3\_Waits Road\30 SheetDrawings\Lighting\Lighting Plans\  
 FILE: .....4338 LTP01.dwg  
 DIMSCALE: 1/4" = 1' LTSCALE: 1/4"  
 PLOTTED BY: r.razawi  
 DATE: .....Jun 27, 2022 - 12:05pm



Begin Project  
Sta. 271+00.00, Line "F"

LUMINAIRE IDENTIFICATION	
57-03-WR-01	Luminaire No.
Waits Road	
S.R. 3	
County No. 57 (Noble County)	

- NOTES:**
- For additional lighting details, refer to Section 807 of INDOT Standard Drawings.
  - For luminaire schedule and service point design data, see "Luminaire Schedule, Design Data & Service Point Tables" sheet.
  - All proposed light standards, conduits and service points are scaled up for clarity purposes.
  - All electrical items shall be verified by the electrical contractor prior to any concrete pour to ensure all conduits are positioned correctly.

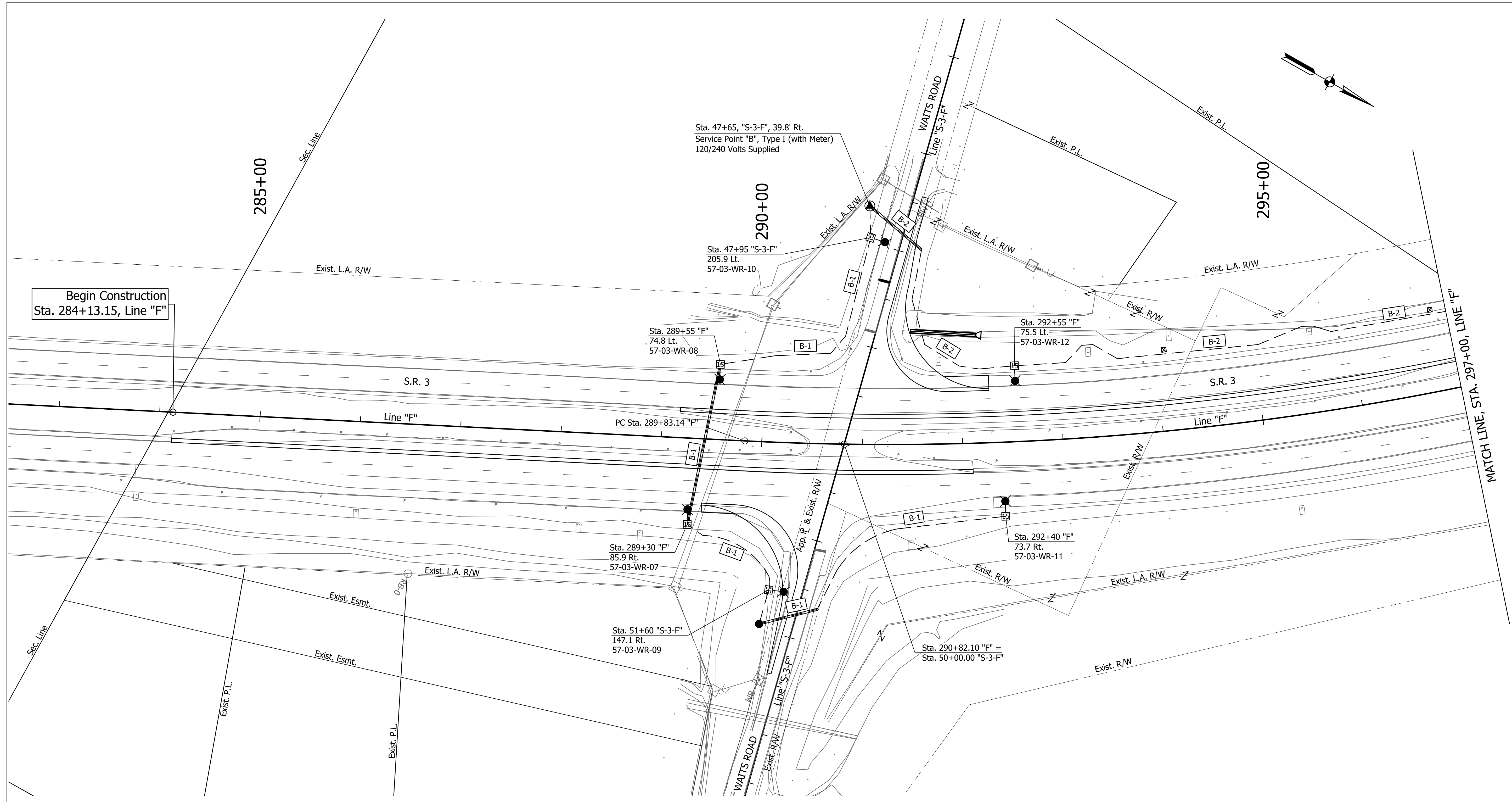
LEGEND	
	4-C no. 4 cu. conductor in 2" galvanized steel conduit (trenchless installation)
	4-C no. 4 cu. conductor in plastic duct in trench
	Proposed hand hole
	Lighting circuit number
	Cable duct marker
	Service point, Type I with 120/240 volts supplied
	Light standard (with 15 ft mast arm length) and foundation w/194 watt LED roadway luminaire with photometric curve no. ERL2-23C340-120-277V.ies or equal mounted on breakaway base, or anchor base where specified on plans.

Not For Construction	RECOMMENDED FOR APPROVAL _____	
	DESIGN ENGINEER	DATE
	DESIGNED: SMD	DRAWN: RA
	CHECKED: MRD	CHECKED: SMD

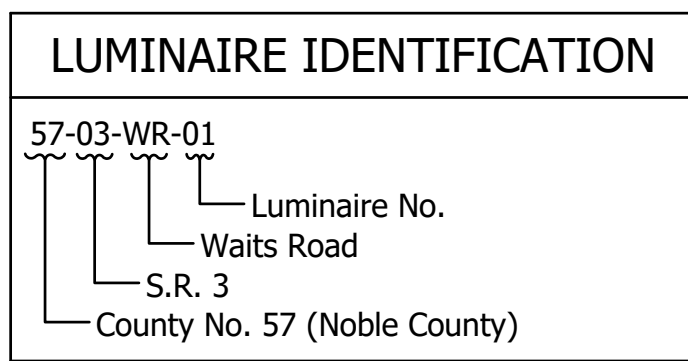
**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**PROPOSED LIGHTING PLANS**  
**LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	50 of 71
CONTRACT	PROJECT
R-42375	1900138

DIRECTORY: F:\2020\20-4338 CMT FW Dist On-call\03\_SR 3\_Waits Road\30 SheetDrawings\Lighting\Lighting Plans  
 FILE: .....4338 LTP01.dwg  
 DIMSCALE: 1/4" = 1' LTSCALE: .....1  
 PLOTTED BY: r.razawi  
 DATE: .....Jun 27, 2022 - 12:06pm



Begin Construction  
Sta. 284+13.15, Line "F"



- NOTES:**
- For additional lighting details, refer to Section 807 of INDOT Standard Drawings.
  - For luminaire schedule and service point design data, see "Luminaire Schedule, Design Data & Service Point Tables" sheet.
  - All proposed light standards, conduits and service points are scaled up for clarity purposes.
  - All electrical items shall be verified by the electrical contractor prior to any concrete pour to ensure all conduits are positioned correctly.

LEGEND	
	4-1C no. 4 cu. conductor in 2" galvanized steel conduit (trenchless installation)
	4-1C no. 4 cu. conductor in plastic duct in trench
	Proposed hand hole
	Lighting circuit number
	Cable duct marker
	Service point, Type I with 120/240 volts supplied
	Light standard (with 15 ft mast arm length) and foundation w/194 watt LED roadway luminaire with photometric curve no. ERL2-23C340-120-277V.ies or equal mounted on breakaway base, or anchor base where specified on plans.

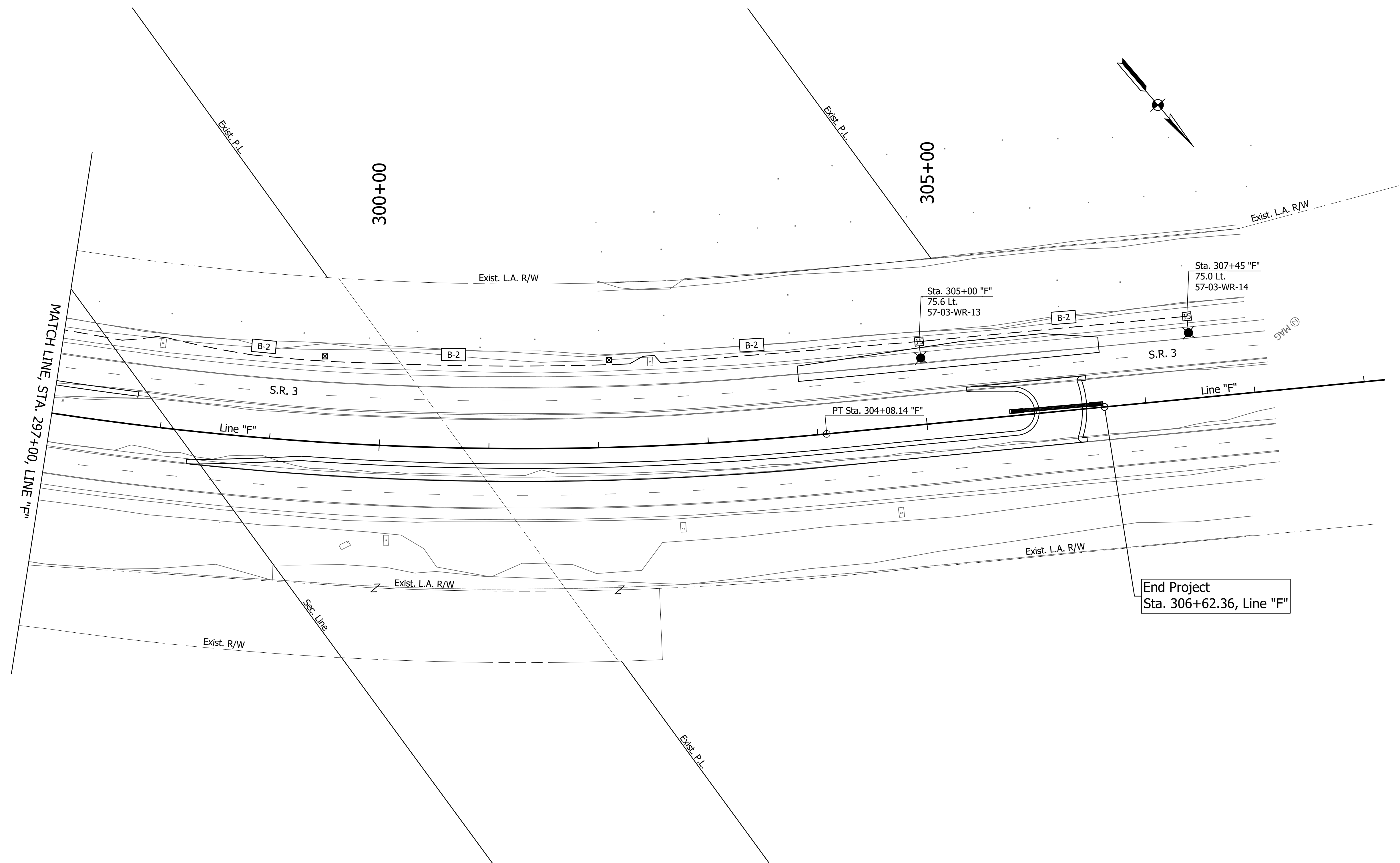
Not For Construction

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SMD	DRAWN: RA	
CHECKED: MRD	CHECKED: SMD	

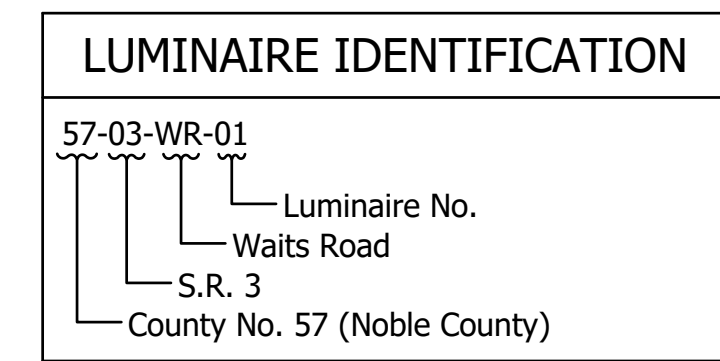
**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**PROPOSED LIGHTING PLANS**  
**LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	51 of 71
CONTRACT	PROJECT
R-42375	1900138

DIRECTORY: F:\2020\20-4338 CMT FW Dist On-call\03\_SR 3\_Waits Road\30 SheetDrawings\Lighting\Lighting Plans  
 FILE: .....4338 LTP01.dwg  
 DIMSCALE: 1/4" = 1' LTSCALE: 1/4"  
 PLOTTED BY: r.razawi  
 DATE: .....Jun 27, 2022 - 12:06pm



End Project  
 Sta. 306+62.36, Line "F"



- NOTES:**
- For additional lighting details, refer to Section 807 of INDOT Standard Drawings.
  - For luminaire schedule and service point design data, see "Luminaire Schedule, Design Data & Service Point Tables" sheet.
  - All proposed light standards, conduits and service points are scaled up for clarity purposes.
  - All electrical items shall be verified by the electrical contractor prior to any concrete pour to ensure all conduits are positioned correctly.

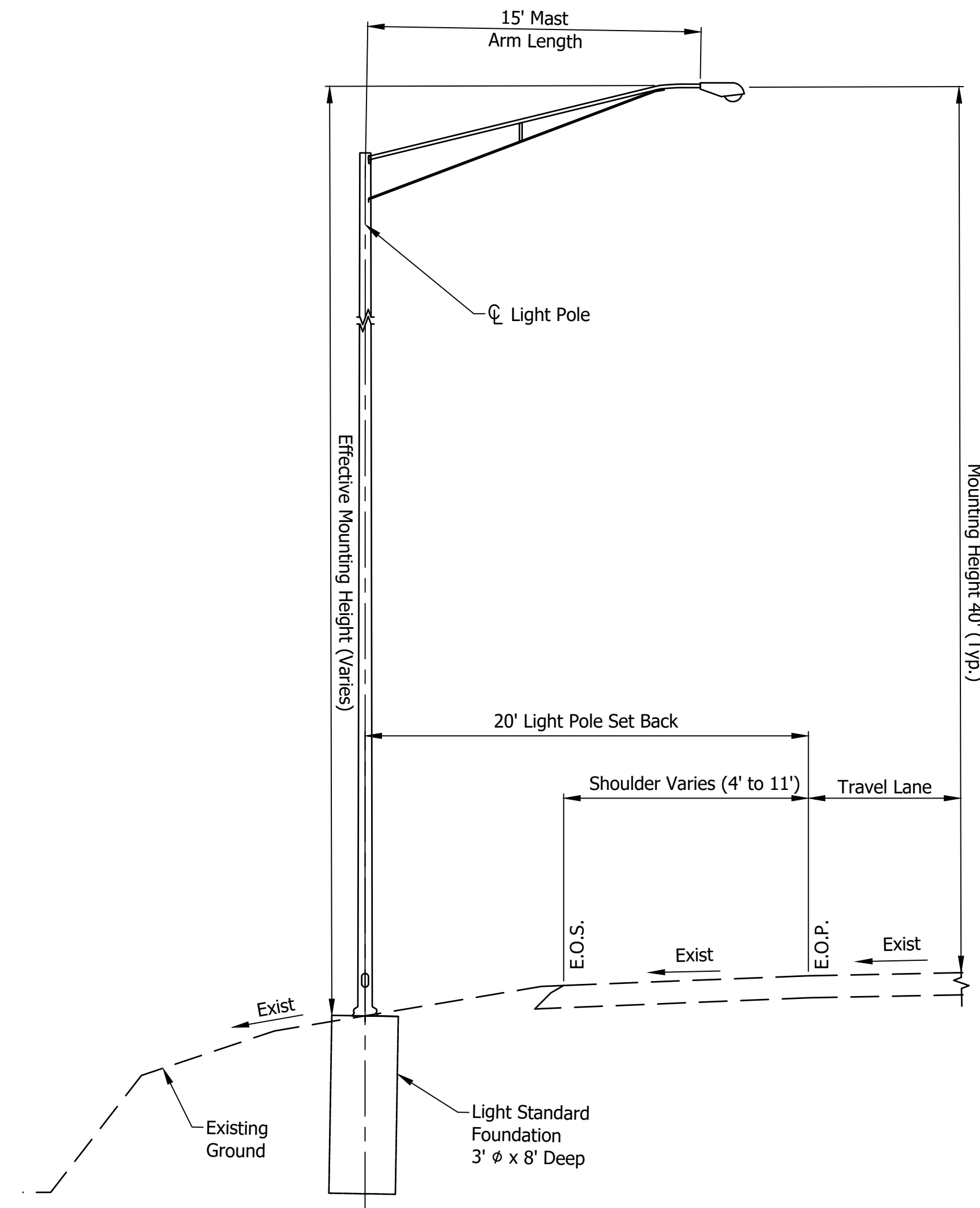
LEGEND	
	4-C no. 4 cu. conductor in 2" galvanized steel conduit (trenchless installation)
	4-C no. 4 cu. conductor in plastic duct in trench
	Proposed hand hole
	Lighting circuit number
	Cable duct marker
	Service point, Type I with 120/240 volts supplied
	Light standard (with 15 ft mast arm length) and foundation w/194 watt LED roadway luminaire with photometric curve no. ERL2-23C340-120-277V.ies or equal mounted on breakaway base, or anchor base where specified on plans.

<b>Not For Construction</b>	RECOMMENDED FOR APPROVAL _____	
	DESIGN ENGINEER	DATE
	DESIGNED: SMD	DRAWN: RA
	CHECKED: MRD	CHECKED: SMD

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**PROPOSED LIGHTING PLANS**  
**LINE "F"**

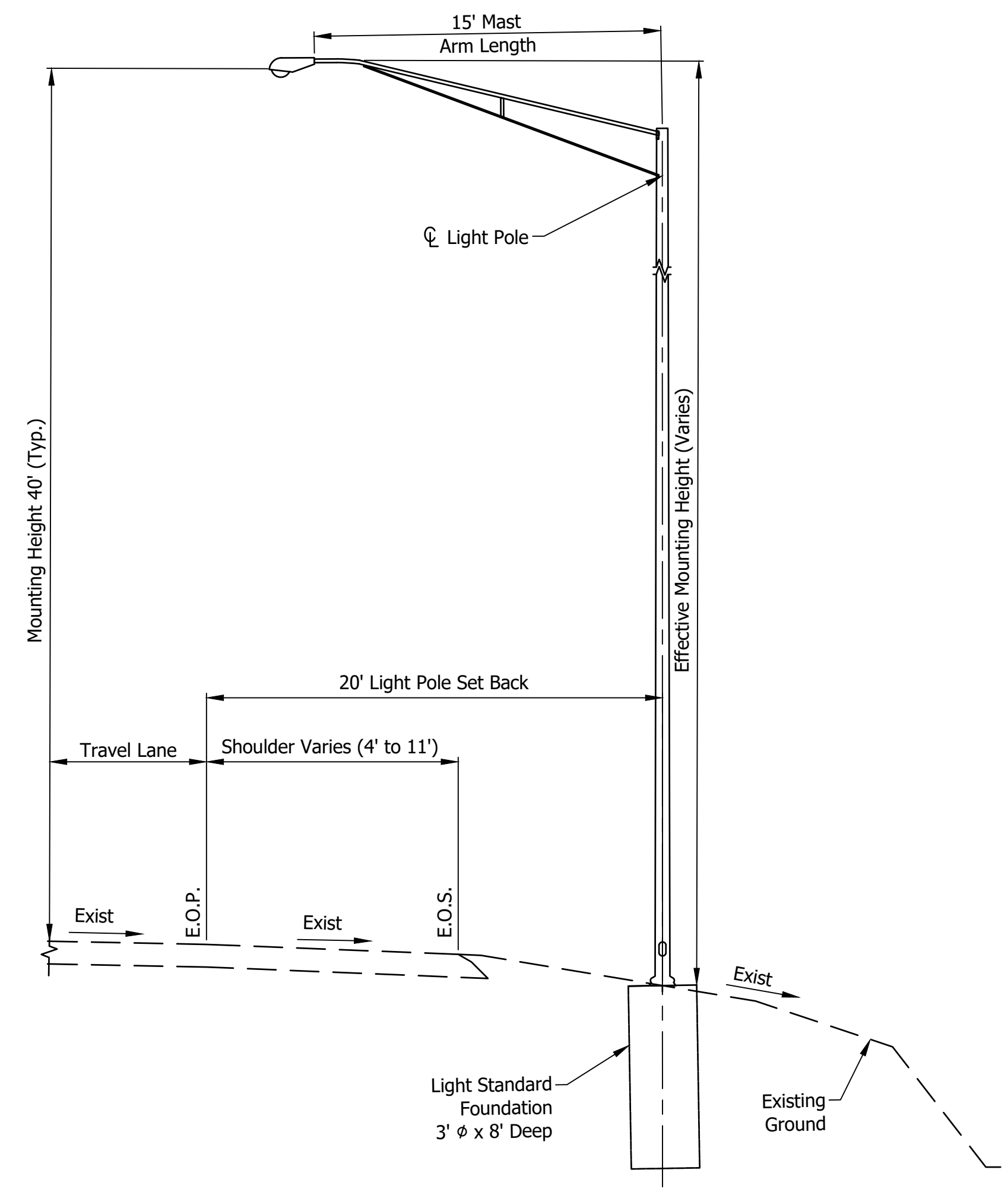
HORIZONTAL SCALE	BRIDGE FILE
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	52 of 71
CONTRACT	PROJECT
R-42375	1900138

DIRECTORY: F:\2020\20-4338 CMT FW Dist On-call\03\_SR 3\_Wait Street\Lighting\Lighting Typical.s  
 FILE: .....4338 LTD01.dwg  
 DIMSCALE: 1/8" = 1'-0"  
 PLOTTED BY: r.razawi  
 DATE: .....Jun 27, 2022 - 12:07pm



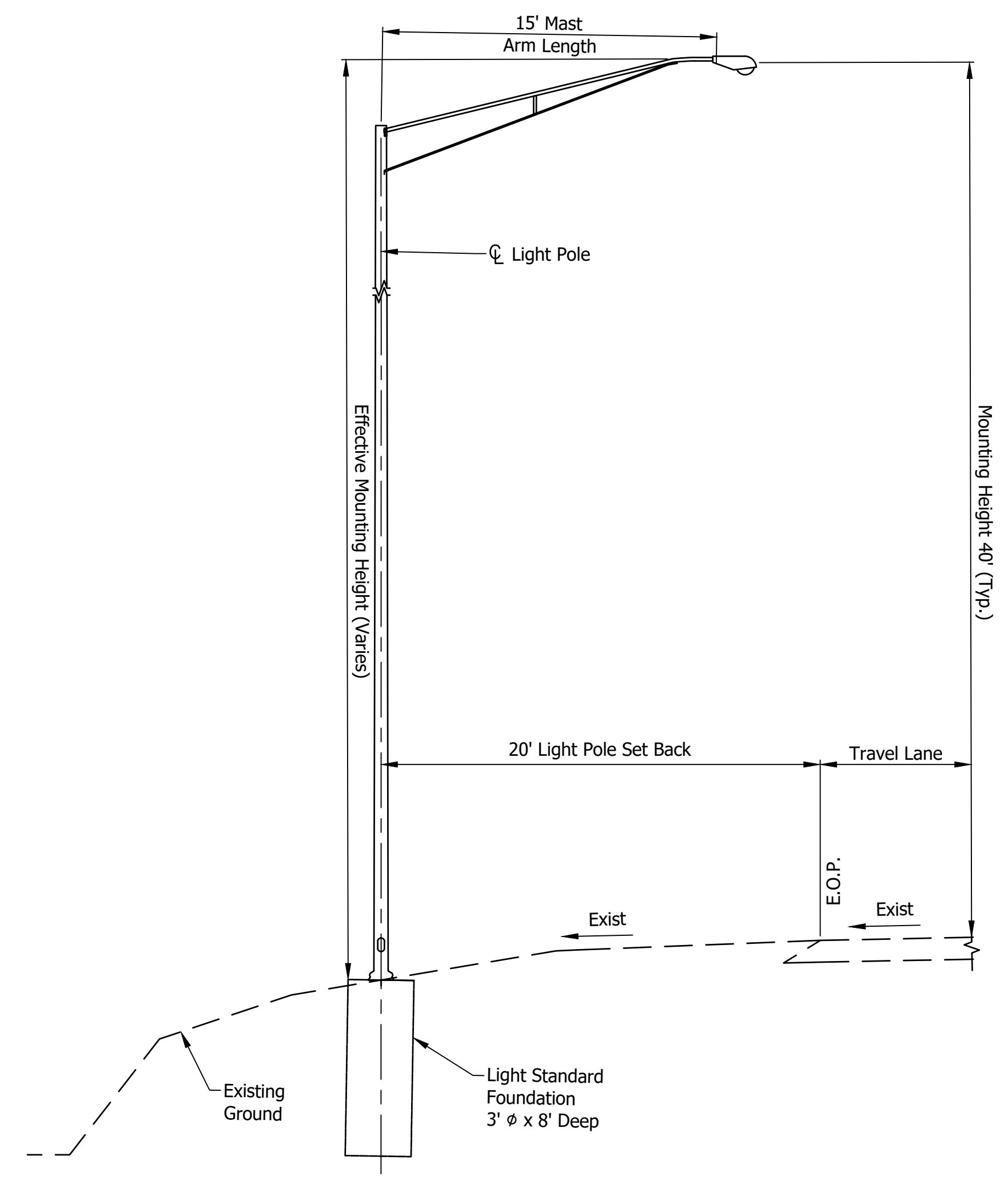
Lighting Typical Section  
SR3 and Wait Street  
Luminarie No.

57-03-WR-01 (Lt)	57-03-WR-12 (Lt)
57-03-WR-06 (Lt)	57-03-WR-13 (Lt)
57-03-WR-08 (Lt)	57-03-WR-14 (Lt)



Lighting Typical Section  
SR3 and Wait Street  
Luminarie No.

57-03-WR-02 (Rt)	57-03-WR-07 (Rt)
57-03-WR-04 (Rt)	57-03-WR-09 (Rt)
57-03-WR-05 (Rt)	57-03-WR-11 (Rt)



Lighting Typical Section  
SR3 and Wait Street  
Luminarie No.

57-03-WR-03 (Lt)
57-03-WR-10 (Lt)

\* Contractor to verify the effective mounting height prior to ordering the light poles.

Not For Construction

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	SMD	DRAWN:	RA		
CHECKED:	MRD	CHECKED:	SMD		

INDIANA  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	53 of 71
CONTRACT	PROJECT
R-42375	1900138

DIRECTORY: F:\2020\20-4338 CMT FW Dist On-call\03\_SR\_3\_Waits Road\30 SheetDrawings\Lighting\Lighting Tables\  
 FILE: .....4338 LTG Tables.dwg  
 DIMSCALE: 1/8"=1'-0"  
 PLOTTED BY: r.razawi  
 DATE: .....Jun 27, 2022 - 12:07pm

LIGHT STANDARD LUMINAIRE SCHEDULE - S.R. 3 @ WAITS ROAD														
LUMINAIRE NO.	01	02	03	04	05	06	07	08	09	10	11	12	13	14
CONNECTION TYPE	1	1	2	2	2	2	2	2	2	2	1	2	2	1
CIRCUIT CONNECTION	R	R	B	B	R	B	R	B	B	R	R	R	B	R
POLE SET BACK (FT.)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MAST ARM LENGTH (FT.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
TOP FOUNDATION ELEV. WITH RESPECT TO EDGE OF PVMT.	-3.20	-3.20	-3.20	-2.50	-2.08	-3.20	-2.04	-1.53	-3.73	-6.79	-1.21	-1.96	-1.11	-1.65
SET BACK FROM	E.O.P.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	E.O.S.													
	BACK OF WALK													
	FACE OF RET. WALL													
LUMINAIRE E.M.H. (FT.)	+/- 43.20	+/- 43.20	+/- 43.20	+/- 42.50	+/- 42.08	+/- 43.20	+/- 42.04	+/- 41.53	+/- 43.73	+/- 46.79	+/- 41.21	+/- 41.96	+/- 41.11	+/- 41.65

\* Contractor to verify the effective mounting height prior to ordering the light poles.

DESIGN DATA TABLE - S.R. 3 @ WAITS ROAD	
INITIAL LAMP LUMEN (LL) 194 WATTS LED	23,000
AVERAGE MAINTAINED ILLUMINATION (E <sub>n</sub> ), INTERSECTION	0.8 fc
LAMP LUMEN DEPRECIATION FACTOR (LLD)	0.90
LUMINAIRE DIRT DEPRECIATION FACTOR (LDD)	0.87
MAINTENANCE FACTOR (LLD X LDD)	0.78
UNIFORMITY RATIO, INTERSECTION	4.0:1
LUMINAIRE CLASSIFICATION	M-III
LUMINAIRE MOUNTING HEIGHT	40 FT

SERVICE POINT TYPE I - S.R. 3 @ WAITS ROAD				
SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED BRANCH CIRCUIT AMPERAGE	BRANCH CIRCUIT BREAKER RATING
A	100 AMP	A-1	6.6 AMP	30 AMP
		A-2	3.3 AMP	30 AMP
B	100 AMP	B-1	8.25 AMP	30 AMP
		B-2	4.95 AMP	30 AMP

**Not  
For Construction**

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: SMD	DRAWN: RA		
CHECKED: MRD	CHECKED: SMD		

<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	
<b>LUMINAIRE SCHEDULE, DESIGN DATA, SERVICE POINT TABLES AND LIGHTING DETAILS</b>	

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	54 of 71
CONTRACT	PROJECT
R-42375	1900138

**TEMPORARY EROSION CONTROL TABLE**

LOCATION				TEMPORARY SEED MIXTURE	TEMPORARY MULCH	TEMPORARY CHECK DAM MODIFIED			TEMPORARY INLET PROTECTION	SEDIMENT TRAP			SEDIMENT BASIN	TEMPORARY SILT FENCE	FILTER SOCK	MANUFACTURED SURFACE PROTECTION PRODUCT	SEDIMENT, REMOVE	TRACKOUT CONTROL DEVICE			REMARKS
						TEMPORARY GEOTEXTILE	RIPRAP REVETMENT	TEMP. FILTER STONE		TEMPORARY GEOTEXTILE	RIPRAP REVETMENT	TEMP. FILTER STONE						NO. 2 STONE	COMPACTED AGG. NO. 53	TEMPORARY GEOTEXTILE	
STATION	LEFT	RIGHT	MEDIAN	LBS	TON	SYS	TON	TON	EACH	SYS	TON	TON	EACH	LFT	LFT	SYS	CYS	TON	TON	SYS	
LINE F																					
289+43.30	290+13.44		X	14.49	0.24										1150	460	12	100		230	
291+70.39	292+27.26	X		21.48	0.36	30	10	2							190	682	3				
303+85.85	306+63.36	X		17.85	0.30	30	10	2							992	567	11				
303+85.85	306+63.36	X				30	10	2									1				
303+85.85	306+63.36	X				30	10	2									1				
303+85.85	306+63.36	X				30	10	2									1				
306+68.69	306+68.69	X				30	10	2									1				
<b>TOTAL</b>				<b>54</b>	<b>1</b>	<b>180</b>	<b>60</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2332</b>	<b>1709</b>	<b>29</b>	<b>100</b>	<b>0</b>	<b>230</b>	

Plot: 6/28/2022 1:41:30 PM

<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: RK 5/24/2022 DRAWN: RK 5/24/2022		N/A	N/A
	CHECKED: ELM 6/1/2022 CHECKED: ELM 6/1/2022		VERTICAL SCALE	DESIGNATION
		<b>TEMPORARY EROSION CONTROL TABLE</b>	N/A	1900138
			SURVEY BOOK	SHEETS
			ELECTRONIC	55 of 71
			CONTRACT	PROJECT
			R-42375	1900138

# PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	HMA MATERIALS					JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	LIQUID ASPHALT SEALANT	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53	SUBGRADE TREATMENT, TYPE IVA	REMARKS									
						HMA FOR APPROACHES	SURFACE 9.5 mm	INTERMD. 19.0 mm	BASE 25.0 mm	INTERMD. OG, 19.0 mm				BASE 19.0 mm	PRIME COAT				TACK COAT	DEPTH							
																					LBS. PER SYD.		LBS. PER SYD.				
																							165	275	330	250	330
FT	FT	FT	FT		SYS	SYS	TONS	TONS	TONS	TONS	TONS	LFT	LFT	LFT	SYS	TONS	TONS	SYS									
<b>LINE "F"</b>																											
284+13.15 TO 292+09.26	NB Median							30.1	53.7	68.9	54.6	75.3	806.9	806.9	806.9		0.5		533.7								
289+17.60 TO 297+76.39	SB Median							32.1	57.2	73.4	58.2	80.2	858.5	858.5	858.5		0.5	616.7	567.5								
298+26.82 TO 305+81.69	NB U Turn							139.0	235.6	286.0	220.8	295.1	948.0	948.0	948.0		1.7	23.9	1875.7								
305+81.69 TO 306+47.88	SB Shoulder							48.5	82.0	99.9	76.5	102.1	303.1	303.1	303.1		0.4		645.7								
<b>LINE "S-3-F"</b>																											
47+42.00 TO 49+09.46	WB RT Turn Shoulder							34.1	58.0	70.9	54.4	72.8	295.6	295.6	295.6		0.4	37.3	462.9								
50+95.03 TO 52+39.80	EB RT Turn Shoulder							25.0	42.5	52.2	40.2	53.9	252.7	252.7	252.7		0.4	28.4	346.8								
<b>TOTAL</b>																											
								<b>309</b>	<b>529</b>	<b>651</b>	<b>505</b>	<b>679</b>	<b>3465</b>	<b>3465</b>	<b>3465</b>		<b>4</b>	<b>706</b>	<b>4432</b>								

Plot: 6/28/2022 2:06:01 PM

**NOT FOR  
CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____	
DESIGNED: RK	5/24/2022	DRAWN: RK	5/24/2022		
CHECKED: ELM	6/1/2022	CHECKED: ELM	6/1/2022		

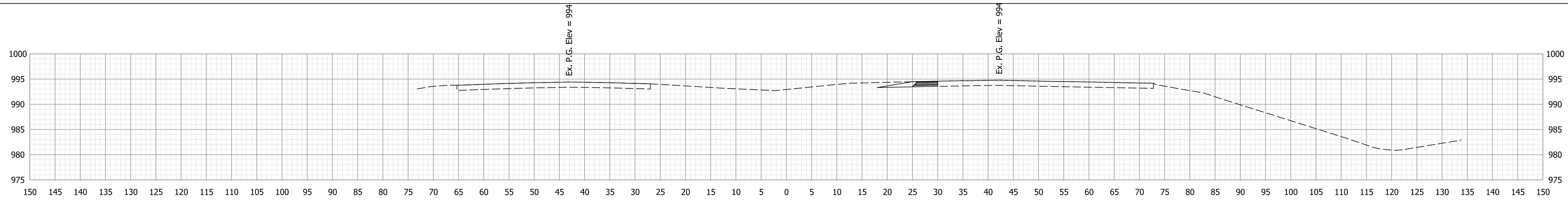
**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**APPROACH TABLE**

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	56 of 71
CONTRACT	PROJECT
R-42375	1900138



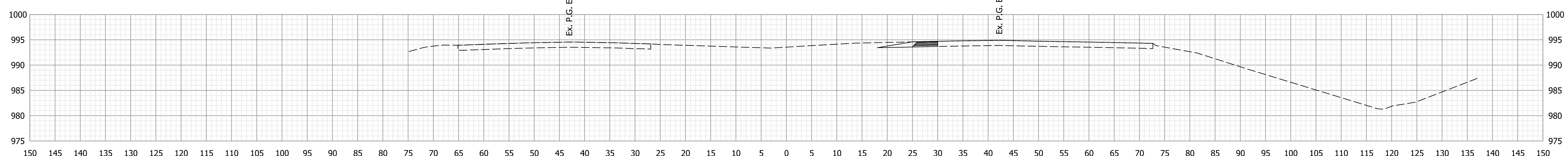




285+50.00

Ac = 12.0 SFT  
Vc = 22 CYS

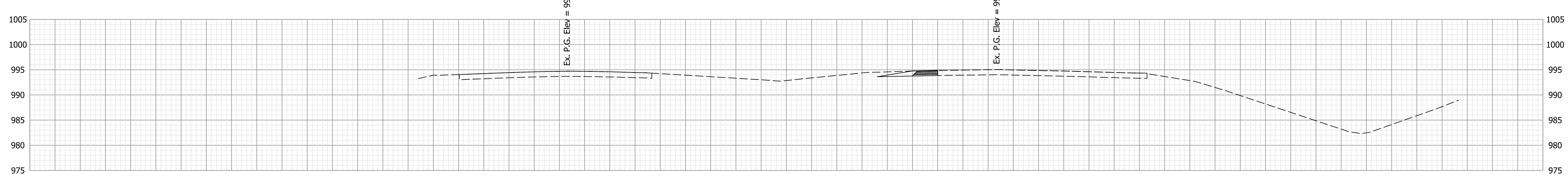
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Vf = 0 CYS



285+00.00

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Vc = 22 CYS

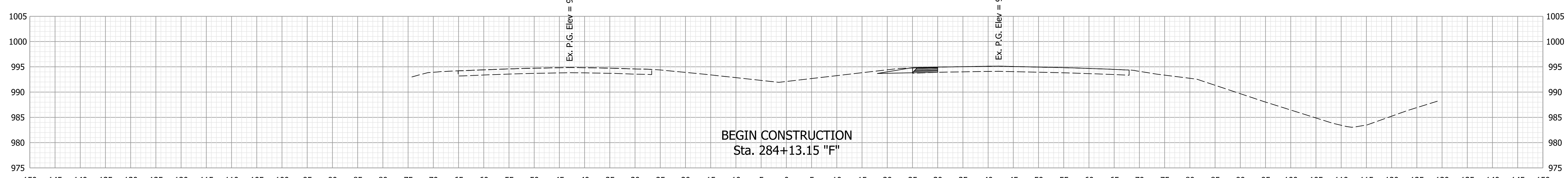
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Vf = 0 CYS



284+50.00

Ac = 11.7 SFT  
Vc = 15 CYS

Af = 0.0 SFT  
Vf = 0 CYS



284+13.15

Ac = 10.5 SFT  
Vc = 0 CYS

Af = 0.0 SFT  
Vf = 0 CYS

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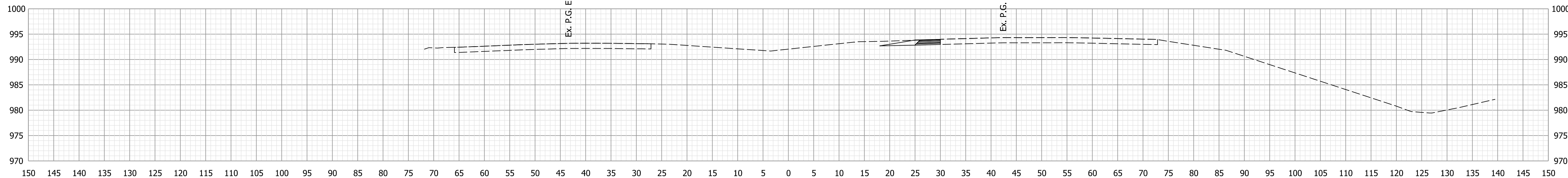
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR
		12/13/2021

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LINE "F"**

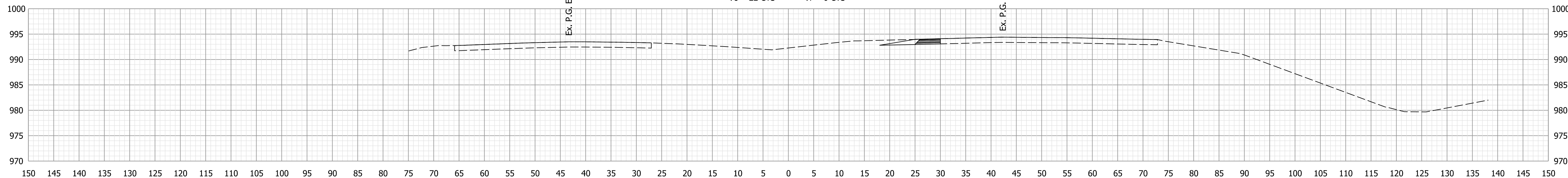
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	58 of 71
CONTRACT	PROJECT
R-42375	1900138



287+50.00

Ac = 11.5 SFT  
Vc = 22 CYS

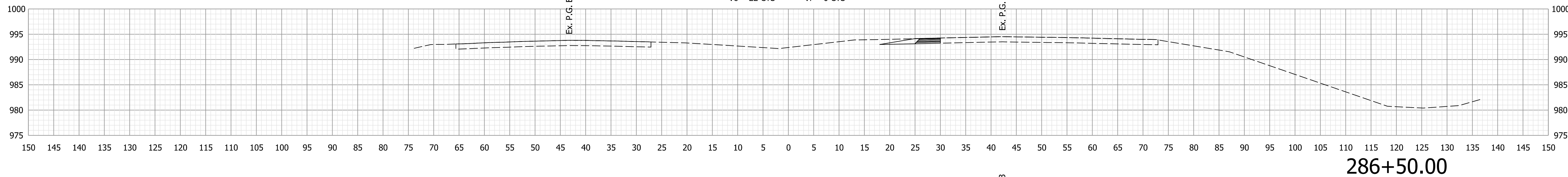
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Vf = 0 CYS



287+00.00

Ac = 11.9 SFT  
Vc = 22 CYS

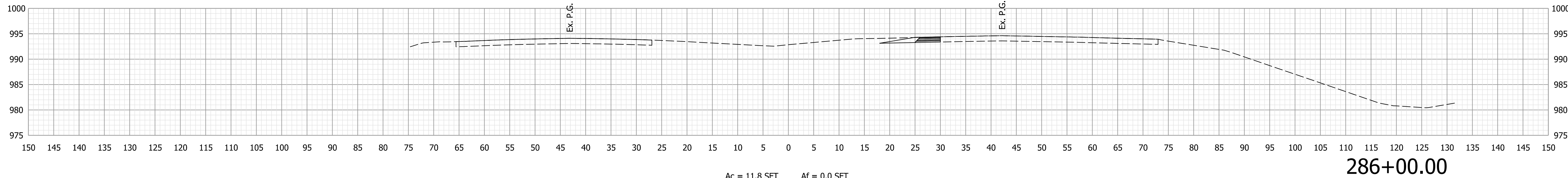
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Vf = 0 CYS



286+50.00

Ac = 11.9 SFT  
Vc = 22 CYS

Af = 0.0 SFT  
Vf = 0 CYS



286+00.00

Ac = 11.8 SFT  
Vc = 22 CYS

Af = 0.0 SFT  
Vf = 0 CYS

Plot: 6/28/2022 1:41:34 PM

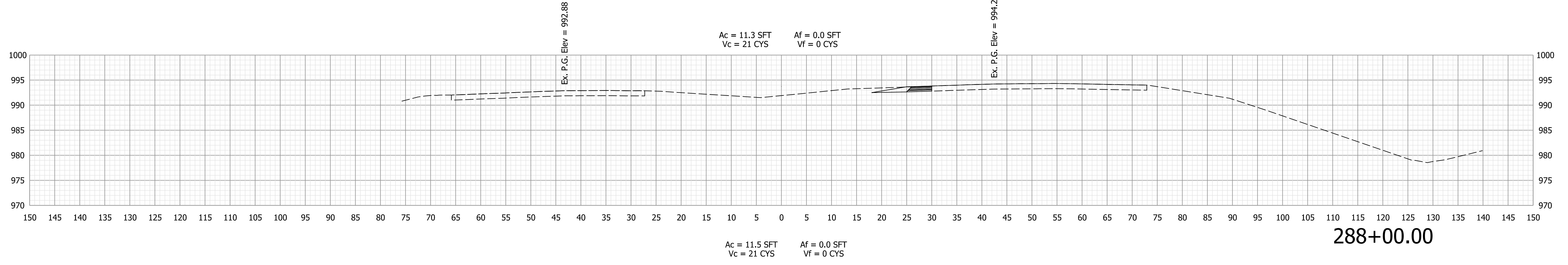
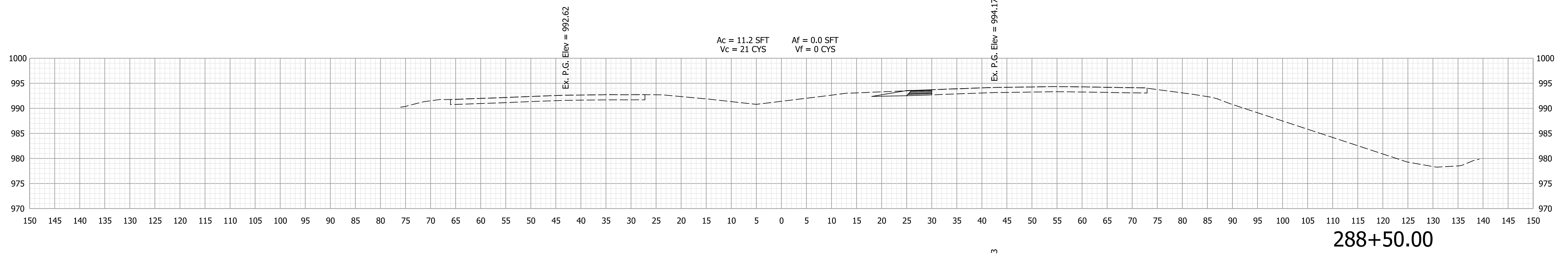
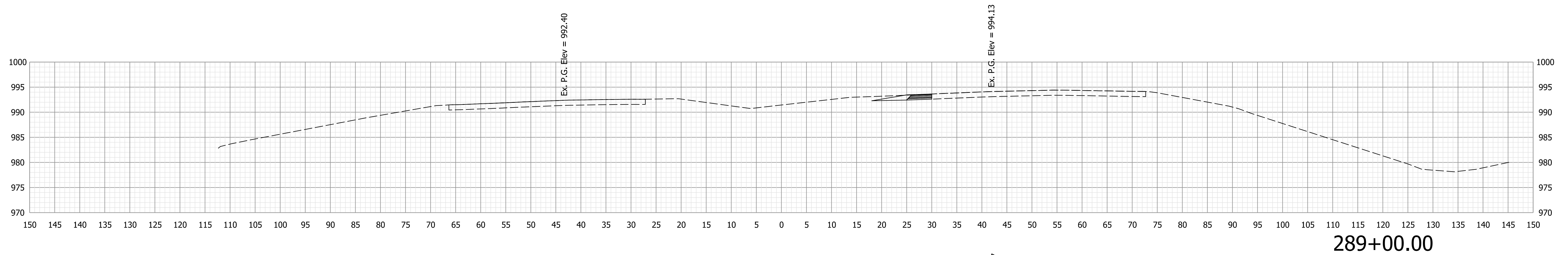
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR

**INDIANA DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	59 of 71
CONTRACT	PROJECT
R-42375	1900138



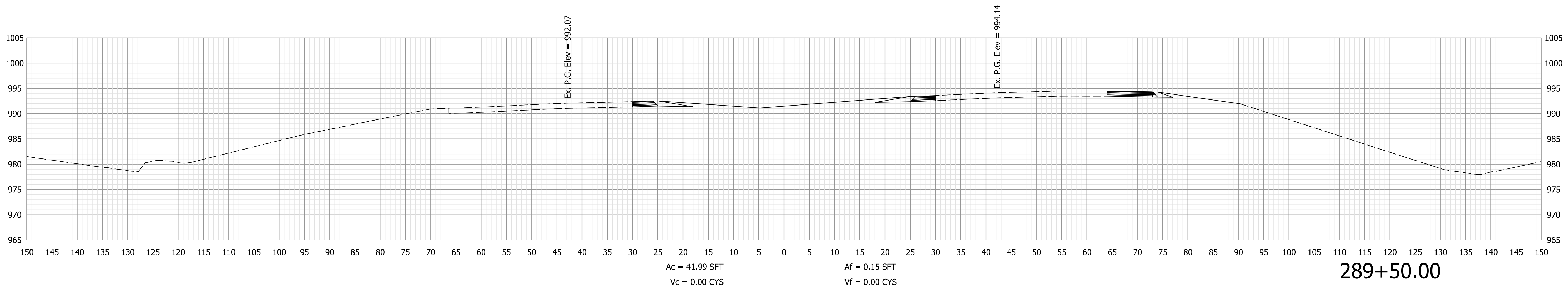
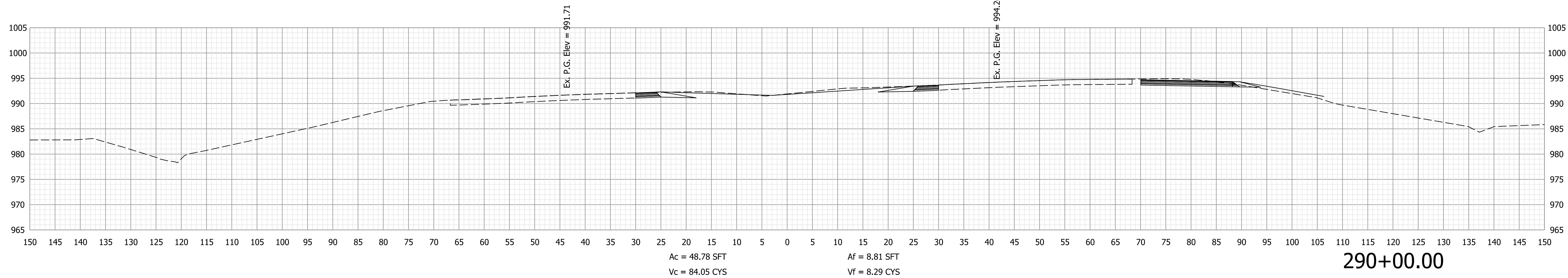
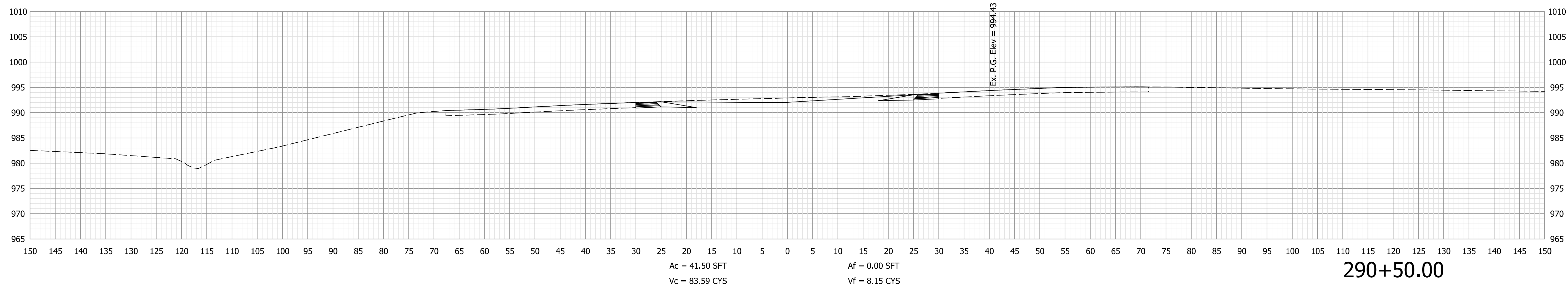
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<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
	DESIGNED: RK	10/13/2021	DRAWN: RK	10/13/2021
	CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021

INDIANA  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS  
LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE	
1" = 10'	N/A	
VERTICAL SCALE	DESIGNATION	
1" = 10'	1900138	
SURVEY BOOK	SHEETS	
ELECTRONIC	60	of 71
CONTRACT	PROJECT	
R-42375	1900138	



Plot: 6/28/2022 1:41:35 PM

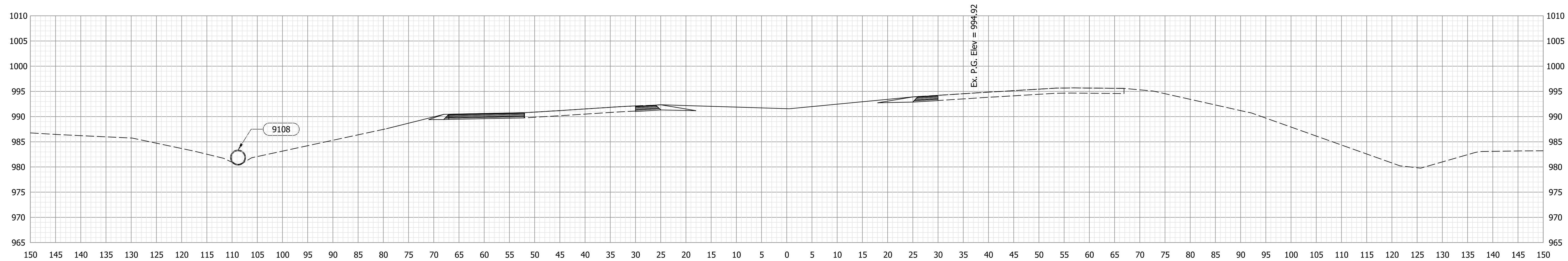
**NOT FOR  
CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
DESIGNED: RK	10/13/2021	DRAWN: RK	10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

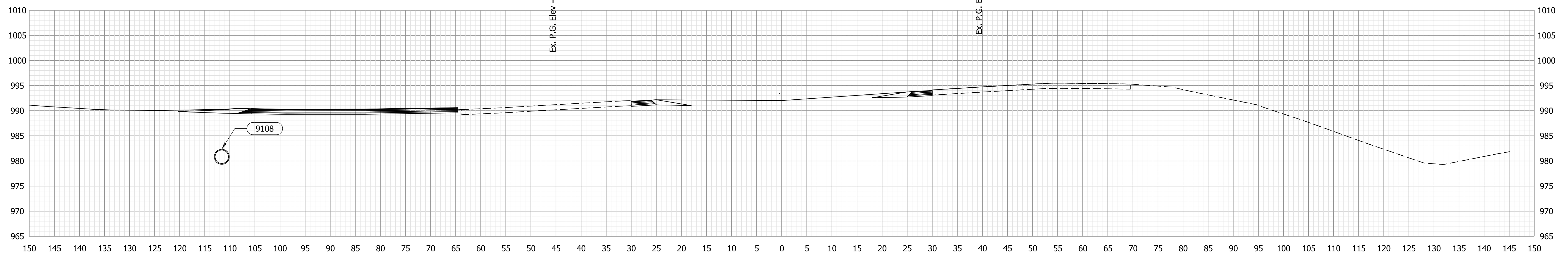
**CROSS SECTIONS  
LINE "F"**

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
SURVEY BOOK	SHEETS
ELECTRONIC	61 of 71
CONTRACT R-42375	PROJECT 1900138



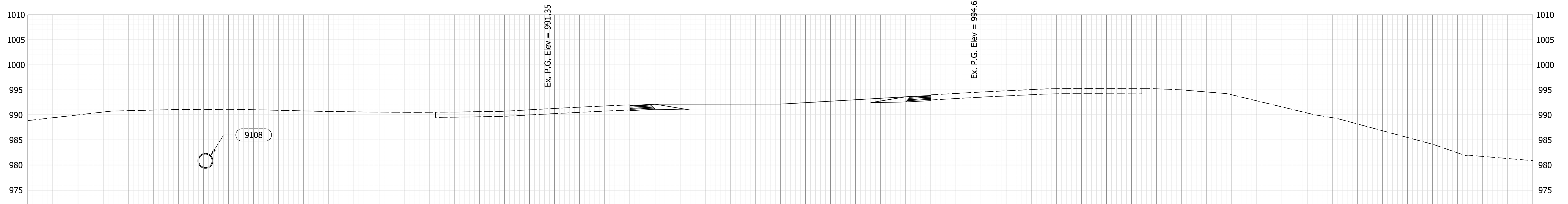
Ac = 45.94 SFT  
Vc = 81.89 CYS  
Af = 1.19 SFT  
Vf = 228.12 CYS

292+00.00



Ac = 42.50 SFT  
Vc = 71.39 CYS  
Af = 245.18 SFT  
Vf = 227.02 CYS

291+50.00



Ex. P.G. Elev = 991.35  
Ex. P.G. Elev = 994.63

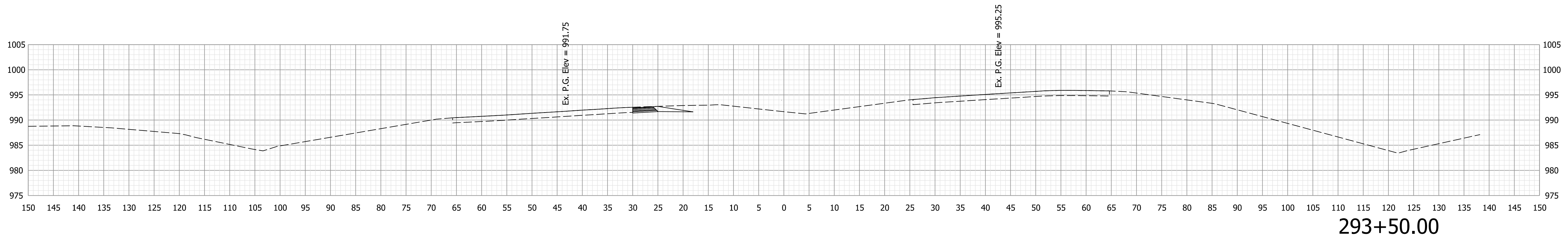
NOT FOR  
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
CROSS SECTIONS  
LINE "F"

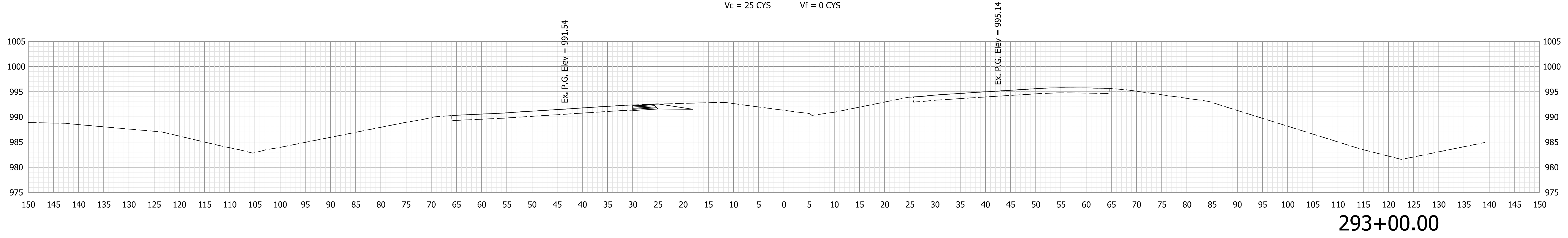
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	62 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:41:36 PM



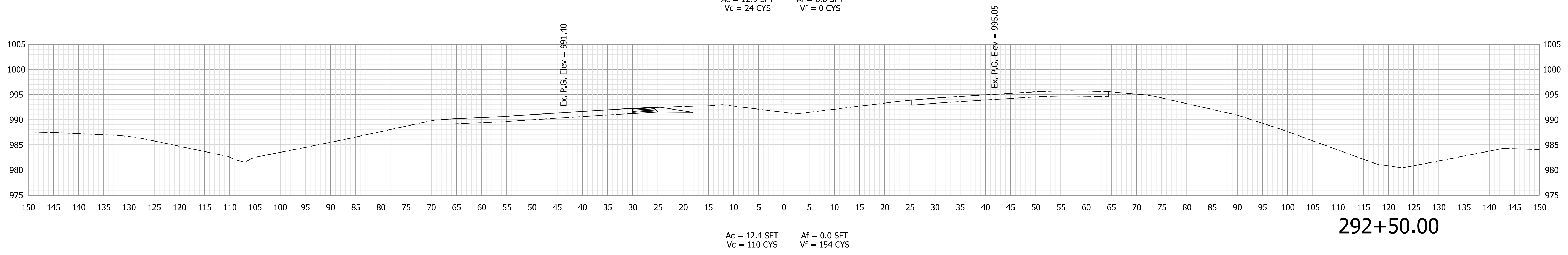
Ac = 13.7 SFT    Af = 0.0 SFT  
 Vc = 25 CYS    Vf = 0 CYS

293+50.00



Ac = 12.9 SFT    Af = 0.0 SFT  
 Vc = 24 CYS    Vf = 0 CYS

293+00.00



Ac = 12.4 SFT    Af = 0.0 SFT  
 Vc = 110 CYS    Vf = 154 CYS

292+50.00

Plot: 6/28/2022 1:41:36 PM

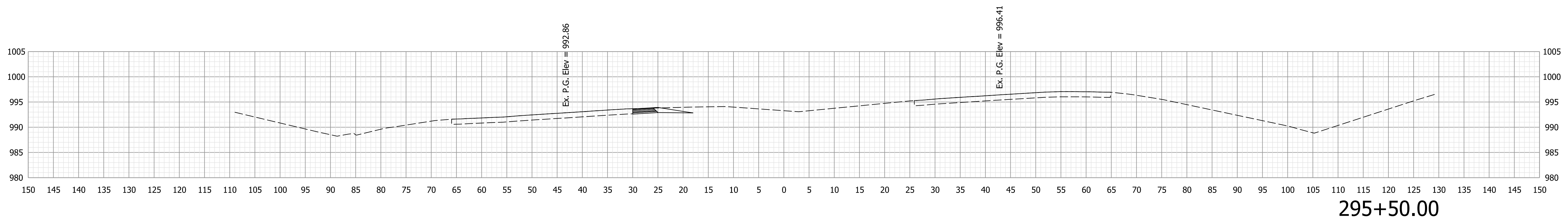
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR

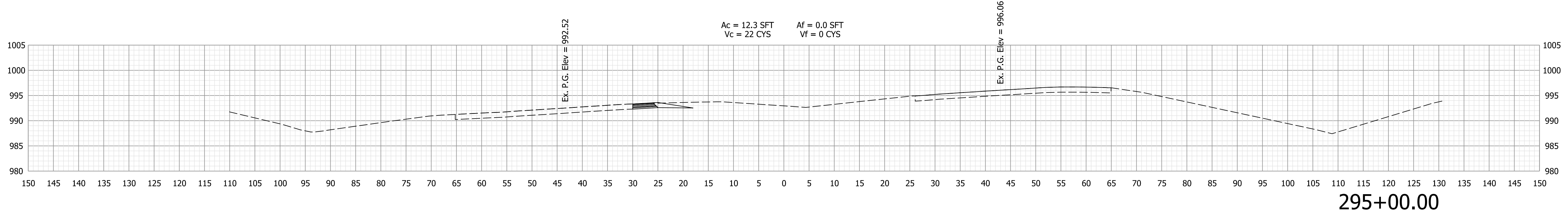
**INDIANA DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS LINE "F"**

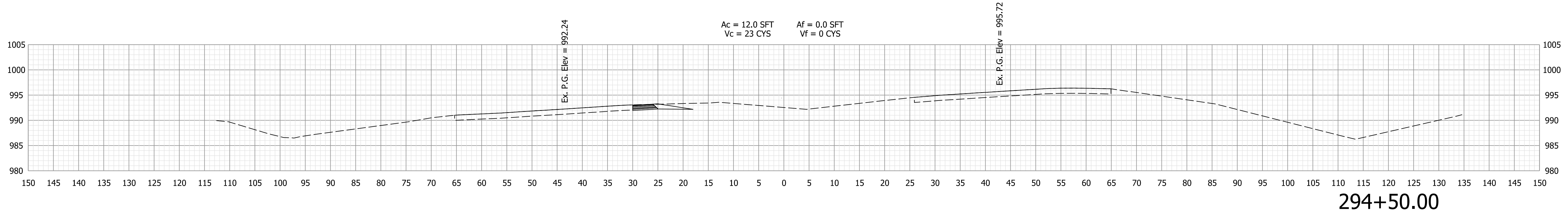
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	63 of 71
CONTRACT	PROJECT
R-42375	1900138



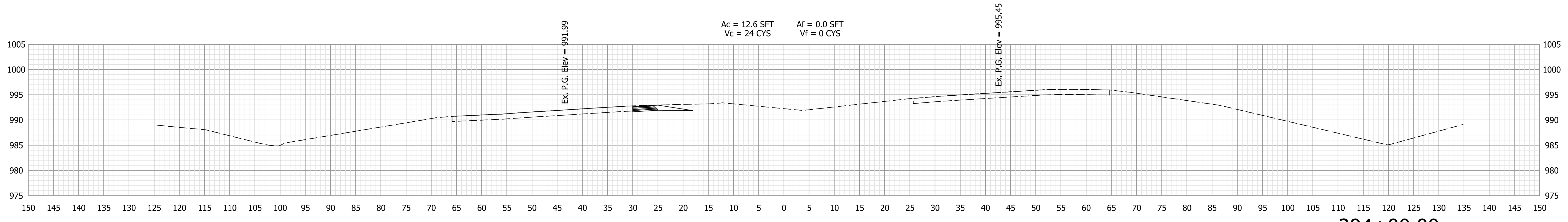
295+50.00



295+00.00



294+50.00



294+00.00

Ac = 13.6 SFT  
Vc = 25 CYS  
Af = 0.0 SFT  
Vf = 0 CYS

**NOT FOR  
CONSTRUCTION**

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK 10/13/2021
CHECKED: KJR	10/26/2021	CHECKED: KJR 10/26/2021

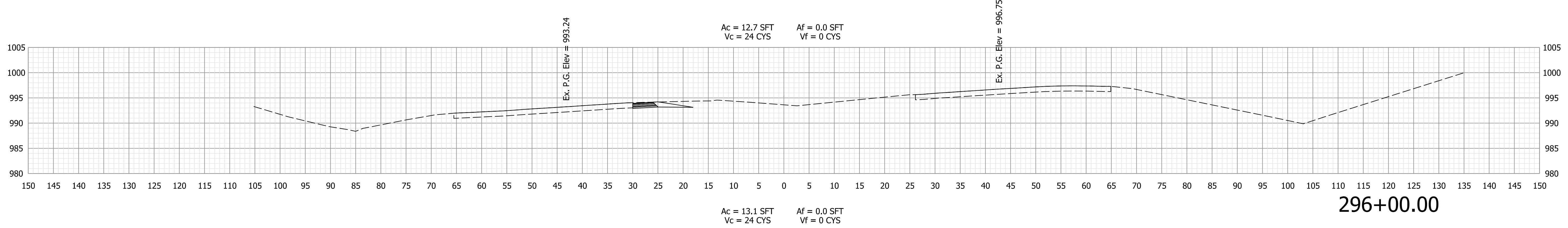
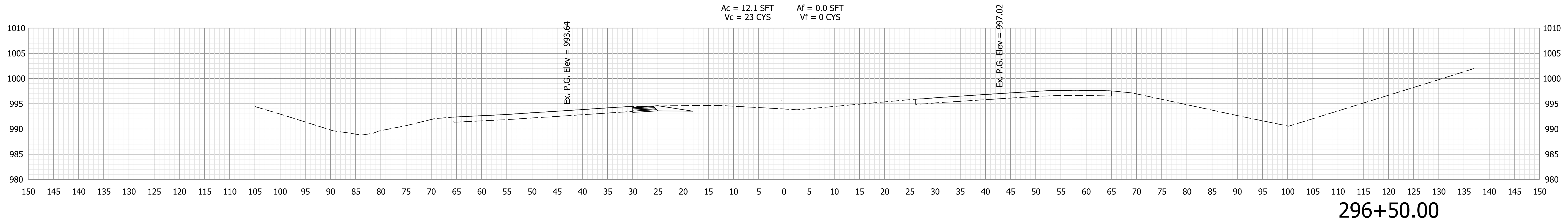
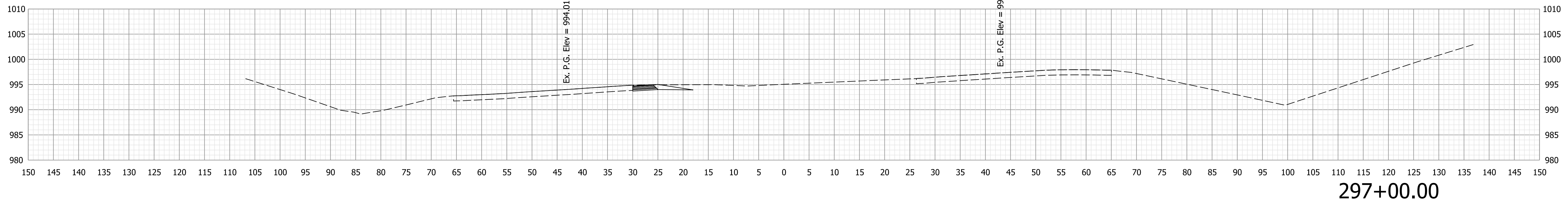
INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	64 of 71
CONTRACT	PROJECT
R-42375	1900138

Plot: 6/28/2022 1:41:36 PM





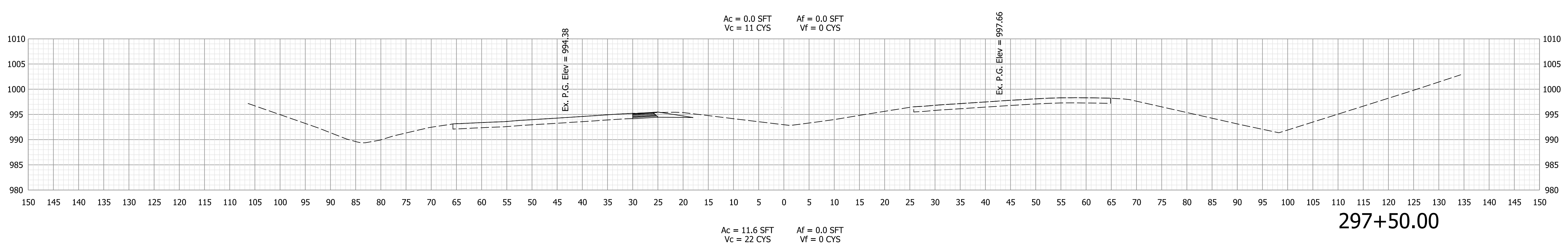
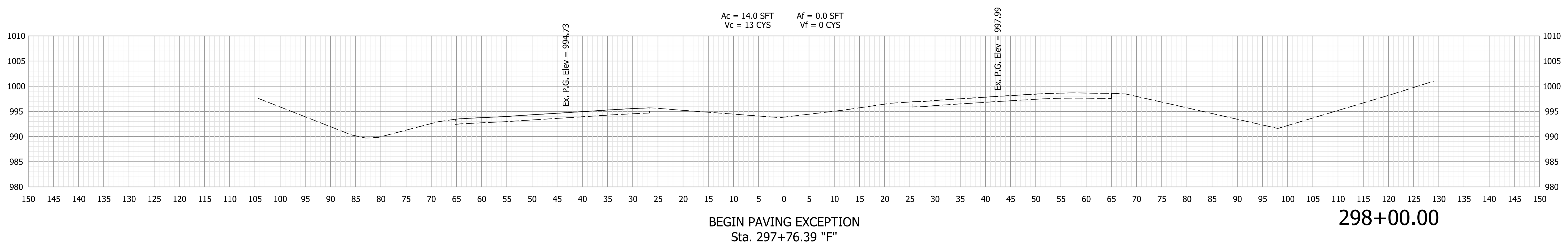
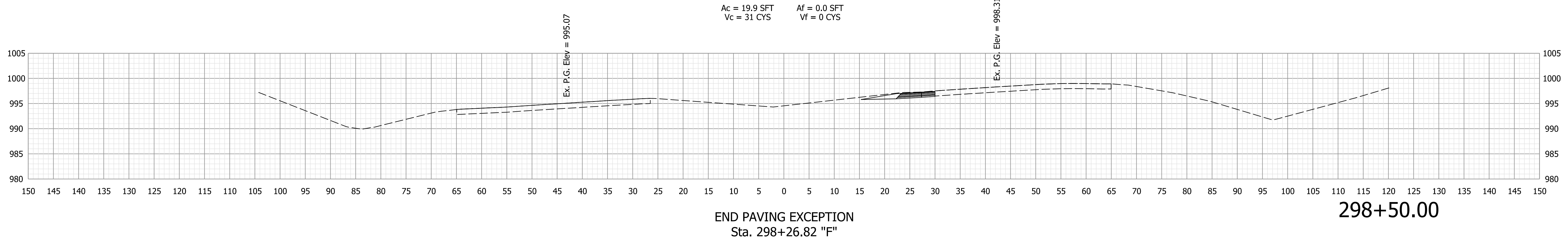
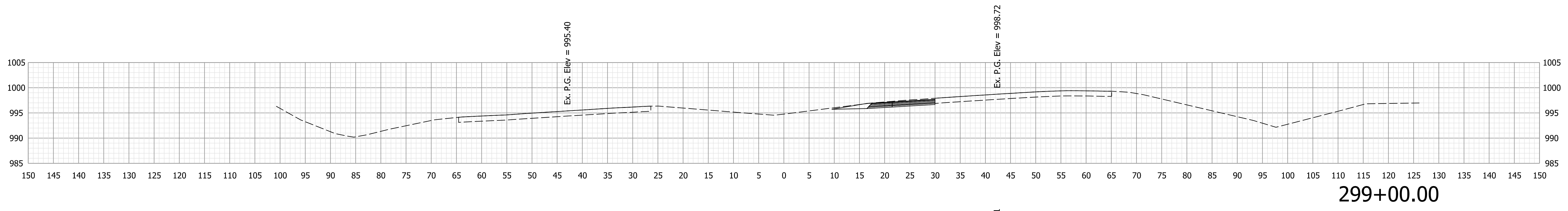
Plot: 6/28/2022 1:41:37 PM

<b>NOT FOR CONSTRUCTION</b>				RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____	
				DESIGNED: RK	10/13/2021	DRAWN: RK	10/13/2021
				CHECKED: KJR	10/26/2021	CHECKED: KJR	10/26/2021

**INDIANA DEPARTMENT OF TRANSPORTATION**

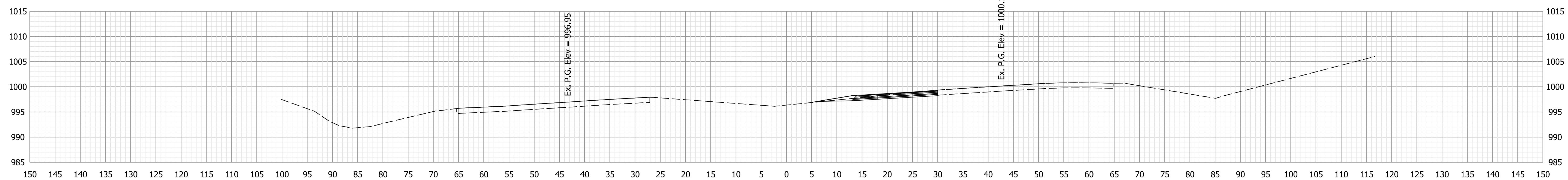
**CROSS SECTIONS LINE "F"**

HORIZONTAL SCALE	BRIDGE FILE	
1" = 10'	N/A	
VERTICAL SCALE	DESIGNATION	
1" = 10'	1900138	
SURVEY BOOK	SHEETS	
ELECTRONIC	65	of 71
CONTRACT	PROJECT	
R-42375	1900138	



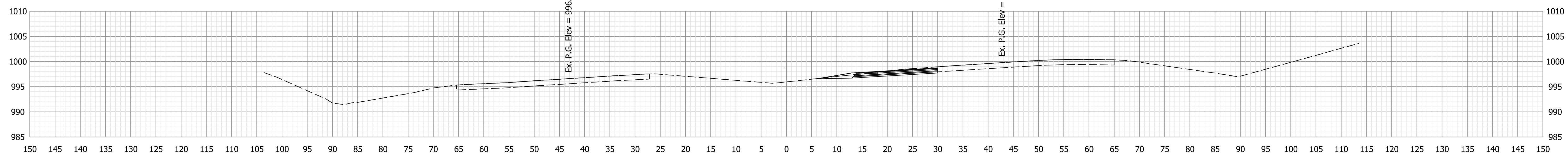
Plot: 6/28/2022 1:41:37 PM

<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE _____		<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>		HORIZONTAL SCALE 1" = 10'		BRIDGE FILE N/A	
	DESIGNED: RK 10/13/2021		DRAWN: RK 10/13/2021				VERTICAL SCALE 1" = 10'		DESIGNATION 1900138	
	CHECKED: KJR 10/26/2021		CHECKED: KJR 10/26/2021		<b>CROSS SECTIONS LINE "F"</b>		SURVEY BOOK		SHEETS	
							ELECTRONIC		66 of 71	
						CONTRACT		PROJECT		
						R-42375		1900138		



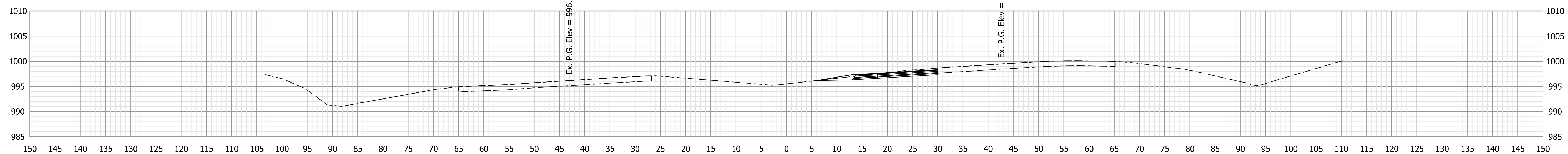
301+00.00

Ac = 15.2 SFT    Af = 0.2 SFT  
Vc = 32 CYS    Vf = 0 CYS



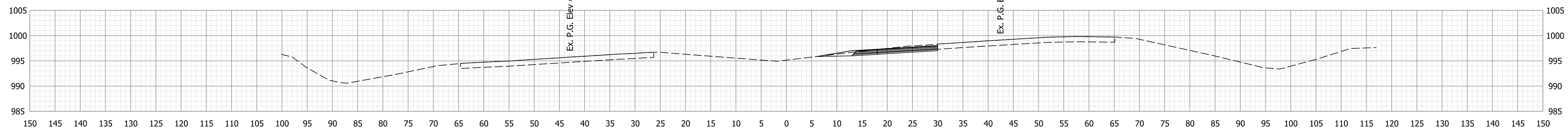
300+50.00

Ac = 19.6 SFT    Af = 0.0 SFT  
Vc = 37 CYS    Vf = 0 CYS



300+00.00

Ac = 20.2 SFT    Af = 0.0 SFT  
Vc = 38 CYS    Vf = 0 CYS



299+50.00

Ac = 20.6 SFT    Af = 0.0 SFT  
Vc = 37 CYS    Vf = 0 CYS

**NOT FOR  
CONSTRUCTION**

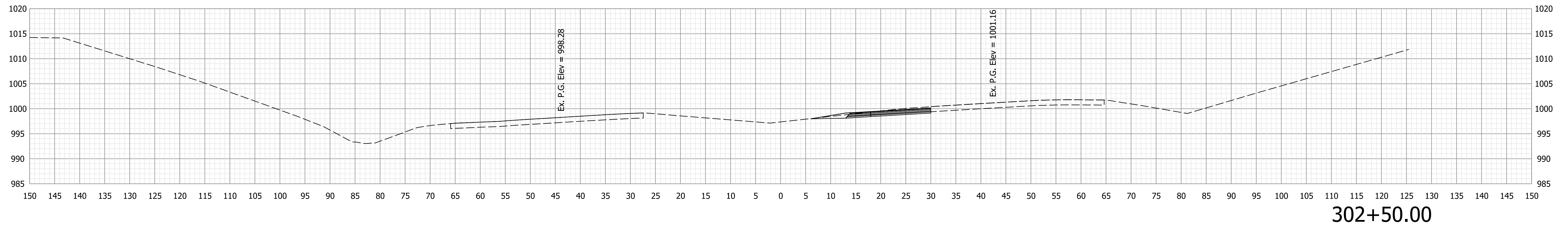
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR

INDIANA  
DEPARTMENT OF TRANSPORTATION

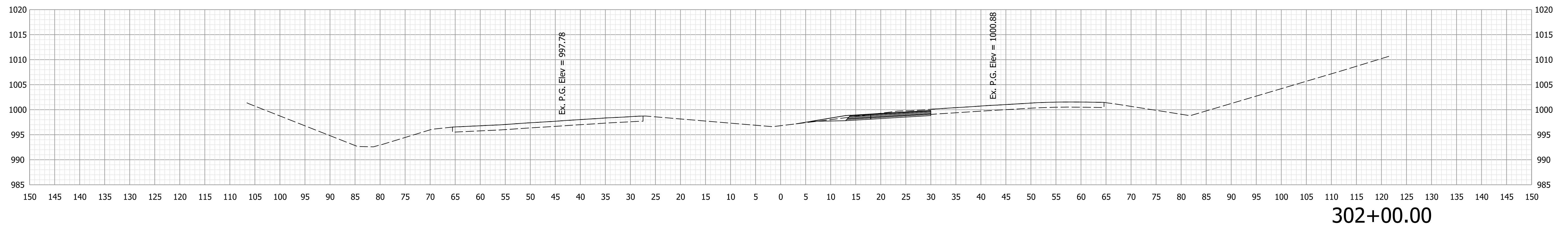
CROSS SECTIONS  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	67 of 71
CONTRACT	PROJECT
R-42375	1900138

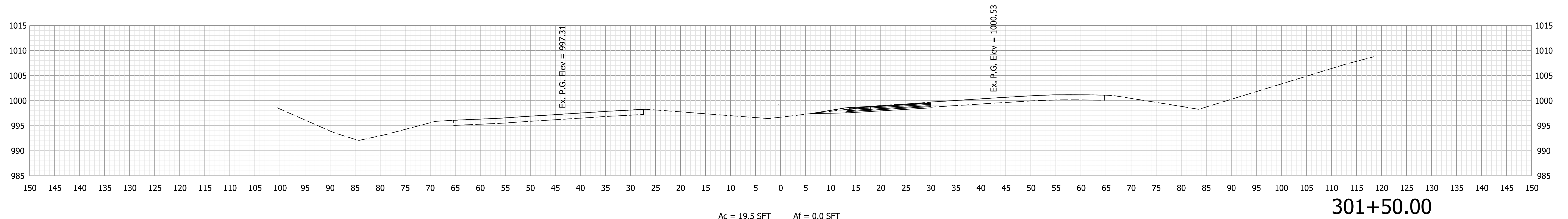
Plot: 6/28/2022 1:41:38 PM



Ac = 20.4 SFT    Af = 0.0 SFT  
 Vc = 37 CYS    Vf = 0 CYS



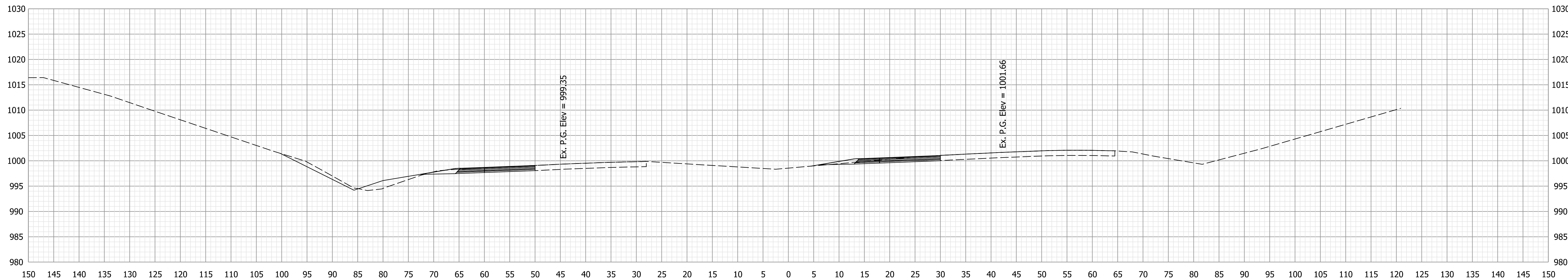
Ac = 19.6 SFT    Af = 0.3 SFT  
 Vc = 36 CYS    Vf = 0 CYS



Ac = 19.5 SFT    Af = 0.0 SFT  
 Vc = 32 CYS    Vf = 0 CYS

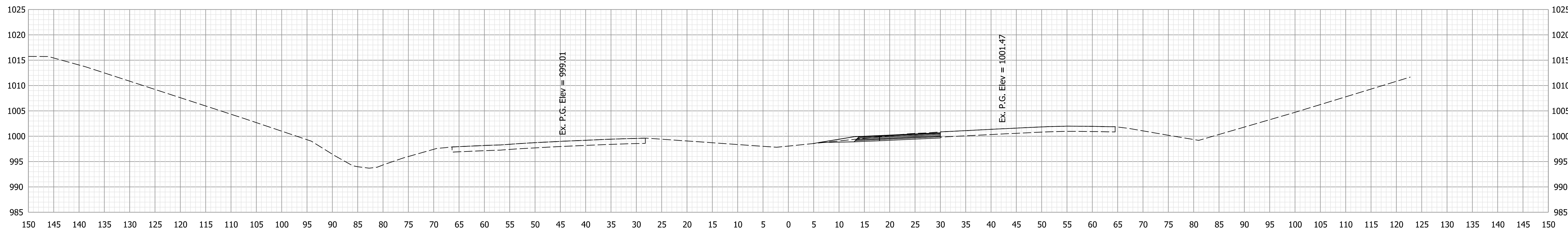
Plot: 6/28/2022 1:41:38 PM

<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
	DESIGNED: RK    10/13/2021	DRAWN: RK    10/13/2021				VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
	CROSS SECTIONS LINE "F"				SURVEY BOOK	SHEETS	
					ELECTRONIC	68 of 71	
				CONTRACT	PROJECT		
				R-42375	1900138		



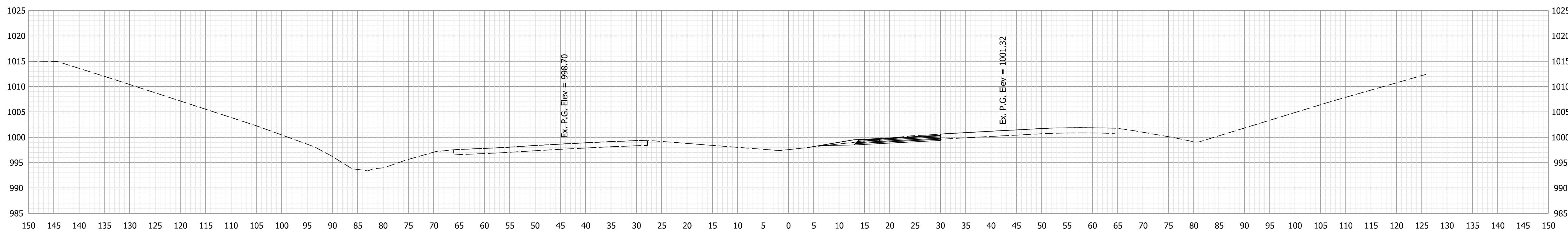
304+00.00

Ac = 31.4 SFT    Af = 0.3 SFT  
Vc = 45 CYS    Vf = 0 CYS



303+50.00

Ac = 17.4 SFT    Af = 0.1 SFT  
Vc = 33 CYS    Vf = 0 CYS

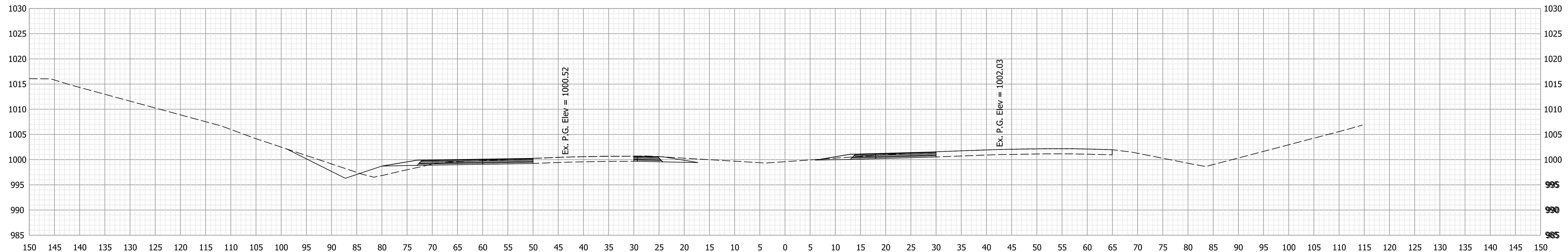


303+00.00

Ac = 18.3 SFT    Af = 0.2 SFT  
Vc = 36 CYS    Vf = 0 CYS

Plot: 6/28/2022 1:41:39 PM

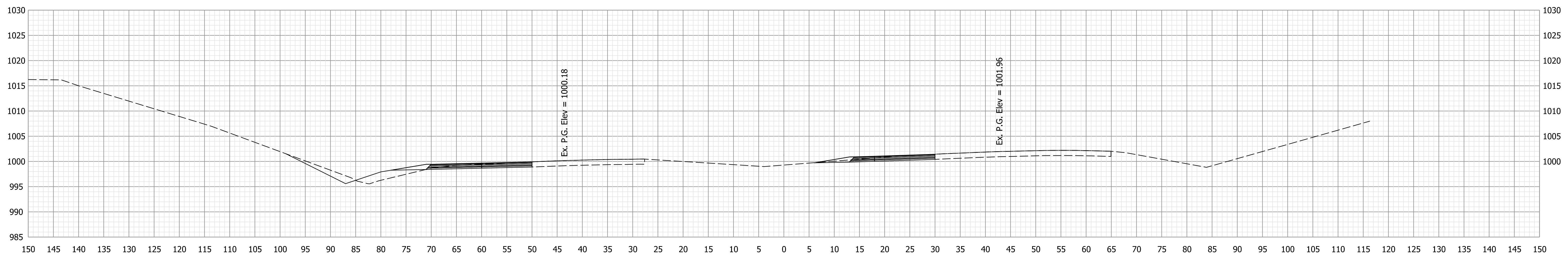
<b>NOT FOR CONSTRUCTION</b>	RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
	DESIGNED: RK    10/13/2021	DRAWN: RK    10/13/2021		CROSS SECTIONS LINE "F"		VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
	CHECKED: KJR    10/26/2021	CHECKED: KJR    10/26/2021				SURVEY BOOK	SHEETS
				ELECTRONIC	69 of 71		
			CONTRACT	PROJECT			
			R-42375	1900138			



Ac = 55.76 SFT  
Vc = 89.92 CYS

Af = 13.73 SFT  
Vf = 26.15 CYS

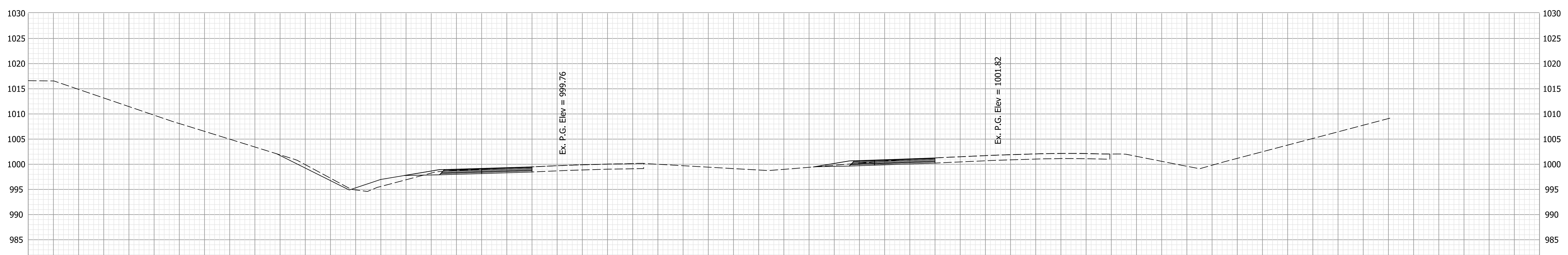
305+50.00



Ac = 41.35 SFT  
Vc = 73.95 CYS

Af = 14.52 SFT  
Vf = 25.87 CYS

305+00.00



Ac = 38.51 SFT  
Vc = 73.38 CYS

Af = 13.42 SFT  
Vf = 23.17 CYS

304+50.00

Plot: 6/28/2022 1:41:39 PM

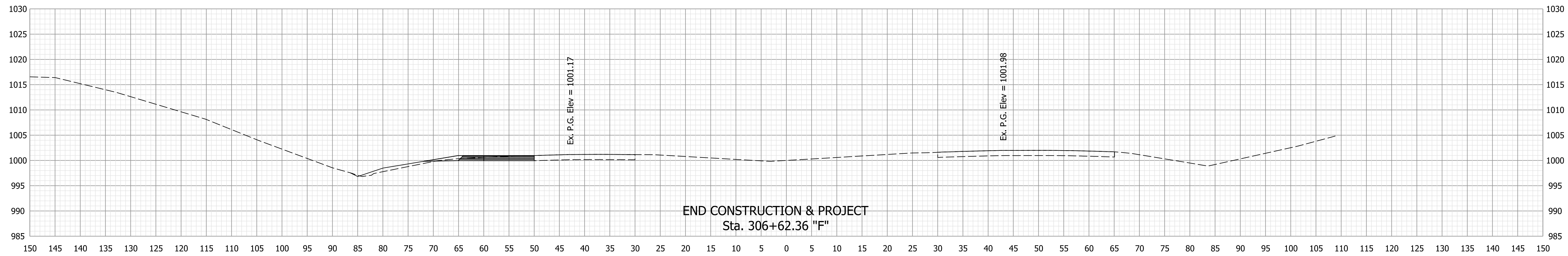
**NOT FOR CONSTRUCTION**

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: RK 10/13/2021	DRAWN: RK 10/13/2021	
CHECKED: KJR 10/26/2021	CHECKED: KJR 10/26/2021	

INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "F"

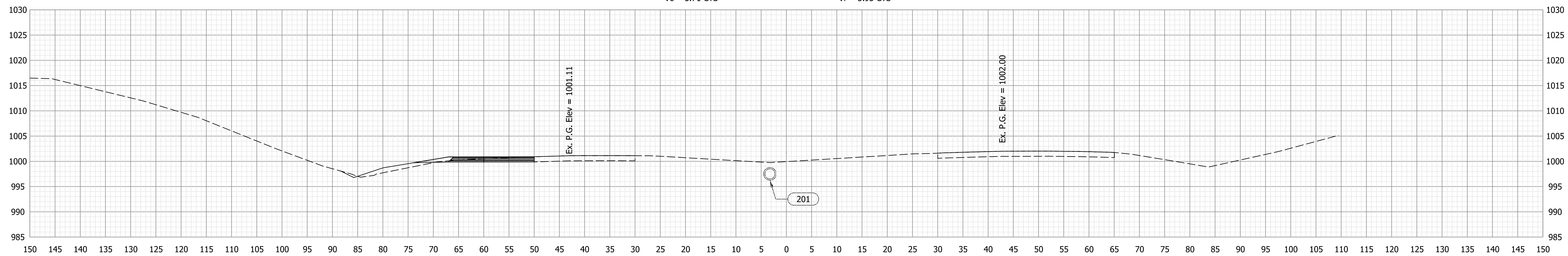
HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1900138
SURVEY BOOK ELECTRONIC	SHEETS 70 of 71
CONTRACT R-42375	PROJECT 1900138



END CONSTRUCTION & PROJECT  
Sta. 306+62.36 "F"

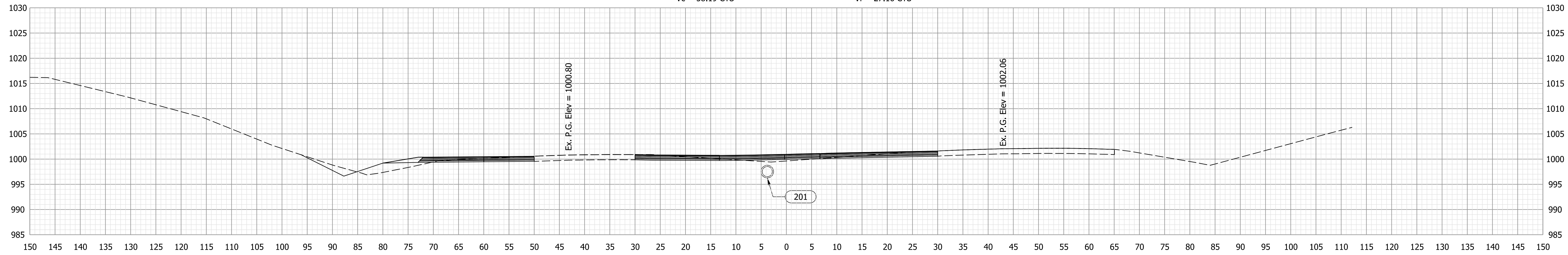
Ac = 12.37 SFT      Af = 7.27 SFT  
Vc = 5.71 CYS      Vf = 3.93 CYS

306+62.10



Ac = 13.12 SFT      Af = 10.28 SFT  
Vc = 58.19 CYS      Vf = 27.16 CYS

306+50.00



Ac = 49.73 SFT      Af = 19.06 SFT  
Vc = 97.67 CYS      Vf = 30.35 CYS

306+00.00

NOT FOR  
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: RK	10/13/2021	DRAWN: RK
CHECKED: KJR	10/26/2021	CHECKED: KJR

INDIANA  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
LINE "F"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1900138
SURVEY BOOK	SHEETS
ELECTRONIC	71 of 71
CONTRACT	PROJECT
R-42375	1900138