PROJECT	DESIGNATION
1700050	1700050
CONTRACT	BRIDGE FILE
T-40427	N/A

KIN DESIGNATION NUMBERS	
DES. NO.	DESCRIPTION

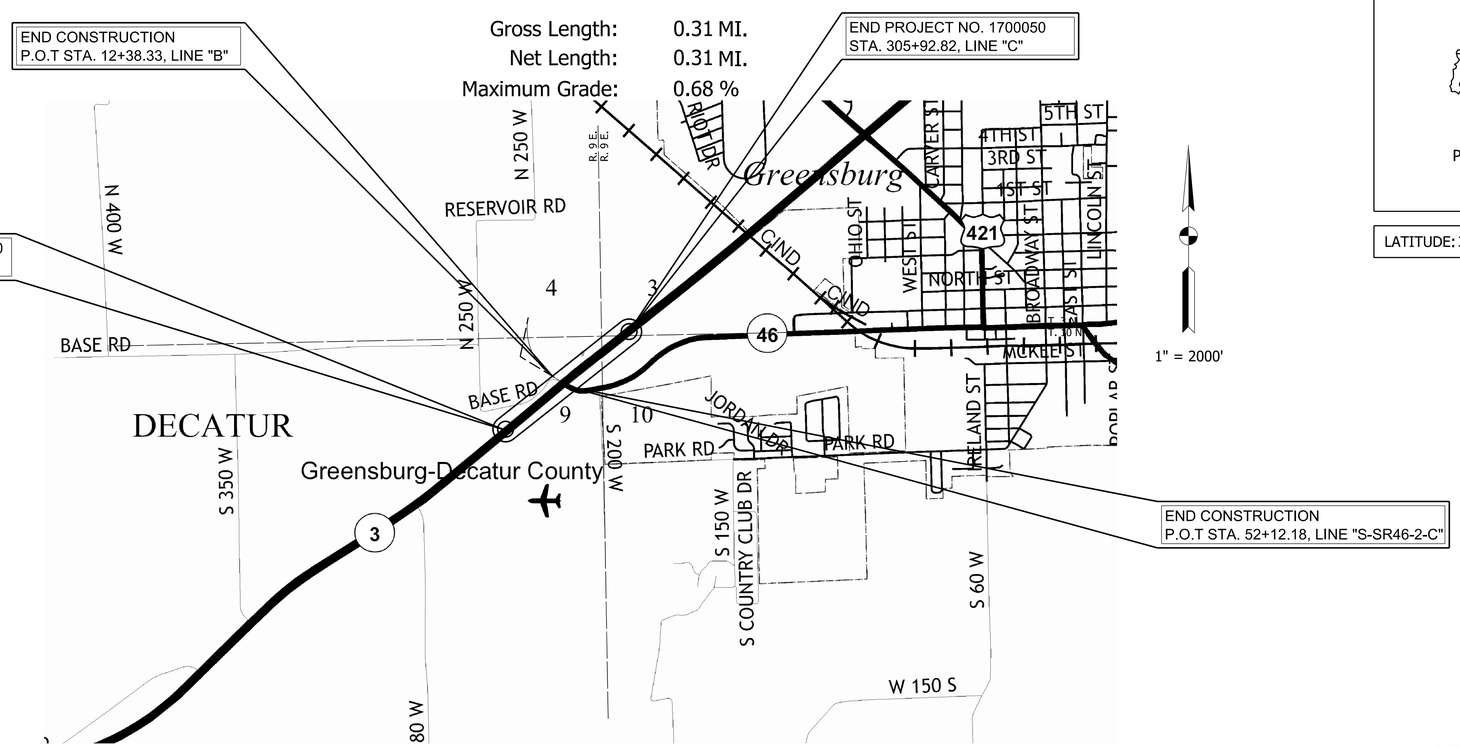
INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

PROJECT NO. 1700050 P.E.
PROJECT NO. 1700050 R/W
PROJECT NO. 1700050 CONST.

Intersection improvement at SR 3 and SR 46/ CR 250W in
Section 9 of Township 10 North, Range 9 East, Washington Township,
Decatur County, Indiana

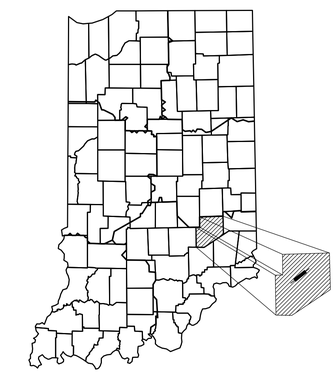
Gross Length: 0.31 MI.
Net Length: 0.31 MI.
Maximum Grade: 0.68 %



Stage 2 Plans
5/27/2020

TRAFFIC DATA	SR. 3 (LINE "C")
A.A.D.T. (2017)	11,002 V.P.D.
A.A.D.T. (2042)	14,242 V.P.D.
D.H.V (2017)	1,100 V.P.H.
DIRECTIONAL DISTRIBUTION (2017)	52.0% (WB)
TRUCKS (2041)	13.0% A.A.D.T.
	13.0% D.H.V.
DESIGN DATA	
DESIGN SPEED	55 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL

* SEE INDEX SHEET FOR S-LINE TRAFFIC AND DESIGN DATA.



PROJECT LOCATION SHOWN BY
DECATUR COUNTY

LATITUDE: 39° 20' 0.87"N LONGITUDE: 85° 31' 16.09"W

LOCATION MAP
DECATUR COUNTY

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

Drawing Copyright © 2020

CHA
Union Station, 300 S. Meridian St.
Indianapolis, IN 46225
Main: (317) 786-0461 • www.chacompanies.com

PLANS PREPARED BY: CHA Consulting, Inc. 317.786.0461 PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	
N/A	
DESIGNATION	
1700050	

SURVEY BOOK	SHEETS		
	1	of	98
CONTRACT	PROJECT		
T-40427	1700050		

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UTILITIES

Communication

Comcast Cable Communications
Thomas Davis
1470 Jackson Street
Columbus, IN 47201
(765) 692-0676
Email: Thomas_Davis3@cable.comcast.com

Frontier Communications
Joe Sarll
8001 West Jefferson Boulevard
Fort Wayne, IN 46804
(260) 461-3324
Email: utilitycordreq@ftr.com

Telecommunications

Enhanced Telecommunincations Corporation
Dustin Nobbe
123 Nieman Street
Sunman, IN 47041
(812) 623-4432
Email: dnobbe@etc1.net

Sprint
Steve Hughes
11370 Enterprise Park Drive
Sharonville, OH 45241
(513) 459-5796
Email: Steven.Hughes@sprint.com

Electric

Decatur County REMC
Brian Keith
1430 West Main Street
Greensburg, IN 47240
(812) 663-3391
Email: bkeith@dcremc.com

Water

Decatur County Rural Water Corporation
Doreen Graves
3455 N Old US Hwy 421
Greensburg, IN 47240
(812) 663-3119
Email: dcrw.generalmanager@gmail.com

City of Greensburg Water Utility
Ron May
314 West Washington Street
Greensburg, IN 47240
(812) 663-3344
Email: rmay@greensburg.in.gov

Waste Water

City of Greensburg Wastewater Utility
Ron May
314 West Washington Street
Greensburg, IN 47240
(812) 663-3344
Email: rmay@greensburg.in.gov

Natural Gas

Vectren - Gas Distribution
Mostafa Khallad
8399 Zionville Road
Indianapolis, IN 46268
(765) 287-2150
Email: mostafa.khallad@centerpointenergy.com

Vectren - Gas Transmission
Jeff Donnelly
1 North Main Street
Evansville, IN 47711
(812) 491-5558
Email: jeff.donnelly@centerpointenergy.com

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either active or inactive. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

GENERAL NOTES

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

REVISIONS

SHEET NO.	DATE	REVISION NO.	REVISION

INDEX

SHEET NO.	DESCRIPTION
	PLANS
1	TITLE
2	INDEX AND GENERAL NOTES
3 - 4	TYPICAL CROSS SECTIONS
5	REFERENCE TIES & GEOMETRIC TIE-UP
6	MISCELLANEOUS DETAILS
7 - 22	MAINTENANCE OF TRAFFIC
23 - 29	DEMOLITION PLANS
30 - 33	PLAN AND PROFILES
34 - 40	CONSTRUCTION DETAILS
41 - 42	SPOT ELEVATIONS
43 - 57	TEMPORARY EROSION CONTROL
58 - 59	LIGHTING DETAILS
60 - 62	PAVEMENT MARKING DETAILS
63 - 69	SIGNS DETAILS
70	TEMPORARY EROSION CONTROL TABLE
71	UNDERDRAIN TABLE
72	APPROACH TABLE
73	STRUCTURE DATA TABLE
74	PIPE MATERIAL TABLE
75 - 84	CROSS SECTIONS "LINE PR-C-SB"
85 - 94	CROSS SECTIONS "LINE PR-C-NB"
95 - 96	CROSS SECTIONS "LINE PR-B"
97 - 98	CROSS SECTIONS "LINE PR-S-SR46-2-C"

TRAFFIC DATA	SR 46 (LINE "S-SR46-2-C")	CR. 250W (LINE "B")
A.A.D.T. (2017)	4,773 V.P.D.	1,193 V.P.D.
A.A.D.T. (2042)	5,501 V.P.D.	1,284 V.P.D.
D.H.V (2017)	477 V.P.H.	119 V.P.H.
DIRECTIONAL DISTRIBUTION (2017)	53.0% (WB)	52.0% (WB)
TRUCKS (2041)	9.0% A.A.D.T.	11.0% A.A.D.T.
	9.0% D.H.V.	11.0% D.H.V.
DESIGN DATA		
DESIGN SPEED	45 M.P.H.	45 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION - 3R (NON-FREEWAY)	RECONSTRUCTION - 3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL/ MINOR COLLECTOR	PRINCIPAL ARTERIAL/ MINOR COLLECTOR
RURAL/URBAN	RURAL	RURAL
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE

* SEE INDEX SHEET FOR S-LINE TRAFFIC AND DESIGN DATA.

Indiana811
Know what's below. Call before you dig.
CALL TWO WORKING DAYS BEFORE YOU DIG
Call 811 or 800-382-5544

NOTES:

This set of plans shall not be construed to be a property replacement survey. Where apparent property lines, owners, or section corner information is shown it is based upon physical evidence or testimony.

The topography information for this project was supplied by a ground survey performed by Butler, Fairman & Seufert, Inc. in June, 2018. Attempts have been made to periodically update portions of this project. However, the design consultant does not warrant the accuracy of this data and advises the contractor to field verify all information.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX SHEET

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	2 of 98
CONTRACT	PROJECT
T-40427	1700050

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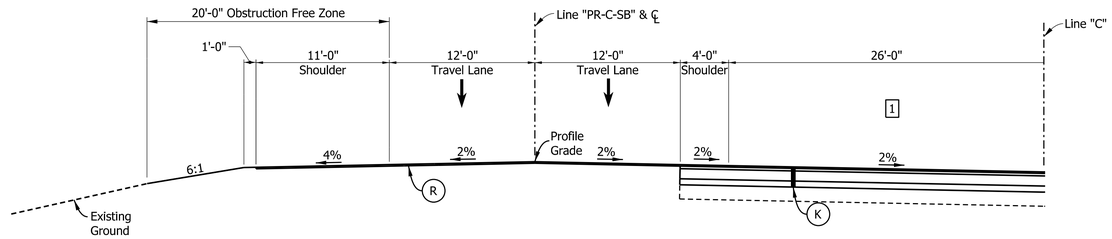
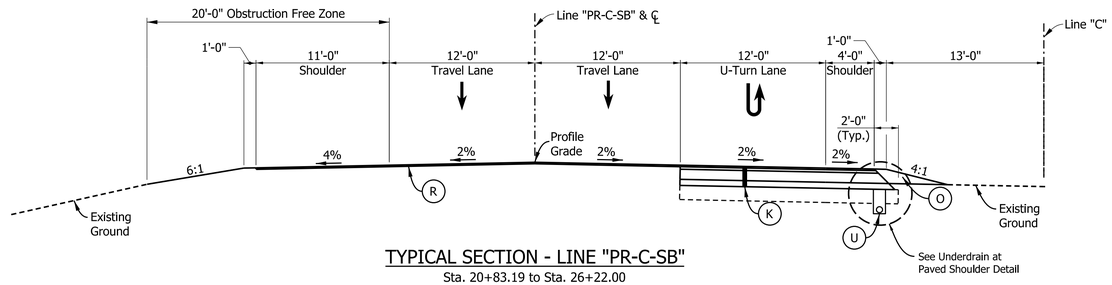


TYPICAL SECTION - LINE "PR-C-SB"

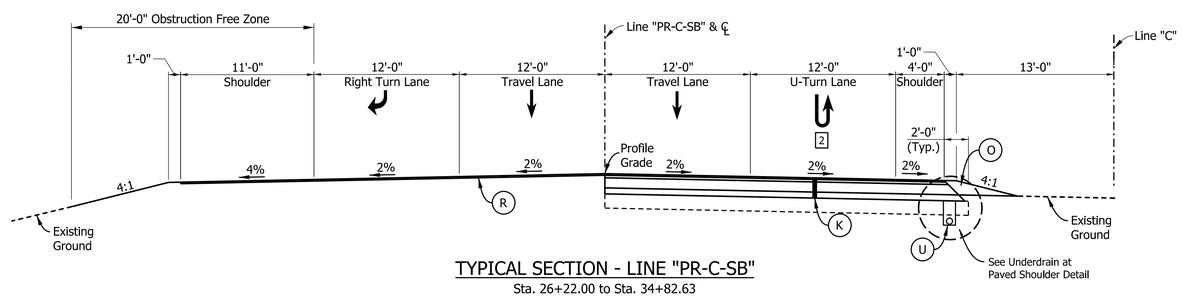
Sta. 19+80.00 to Sta. 20+83.19 "PR-C-SB"

1 Median U-Turn from Sta. 20+17.64 to Sta. 20+83.19 Line "PR-C-SB"



TYPICAL SECTION - LINE "PR-C-SB"

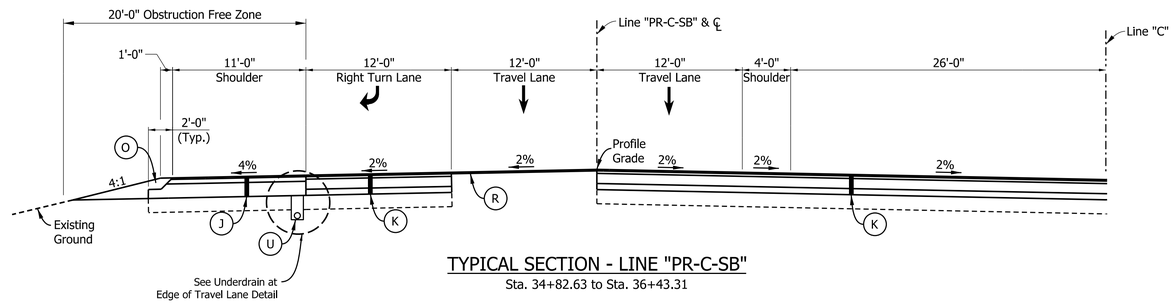
Sta. 20+83.19 to Sta. 26+22.00



TYPICAL SECTION - LINE "PR-C-SB"

Sta. 26+22.00 to Sta. 34+82.63

2 Varies from 12'-0" at Sta. 28+42.30 to 0'-0" at Sta. 29+42.32 Line "PR-C-SB"
Varies from 0'-0" at Sta. 29+42.33 to 12'-0" at Sta. 34+82.63 Line "PR-C-SB"



TYPICAL SECTION - LINE "PR-C-SB"

Sta. 34+82.63 to Sta. 36+43.31

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6 " of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14 " of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(O) Compacted Aggregate No. 53

(U) Pipe, Type 4, Circular, 6"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
SR 3 & SR 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	3 of 98
CONTRACT	PROJECT
T-40427	1700050

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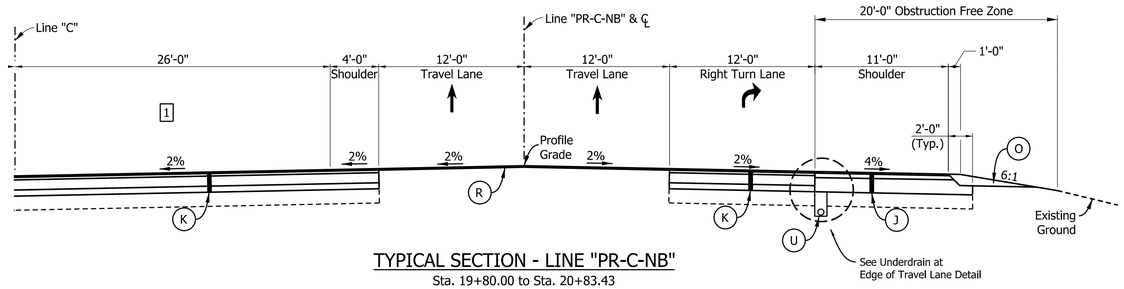
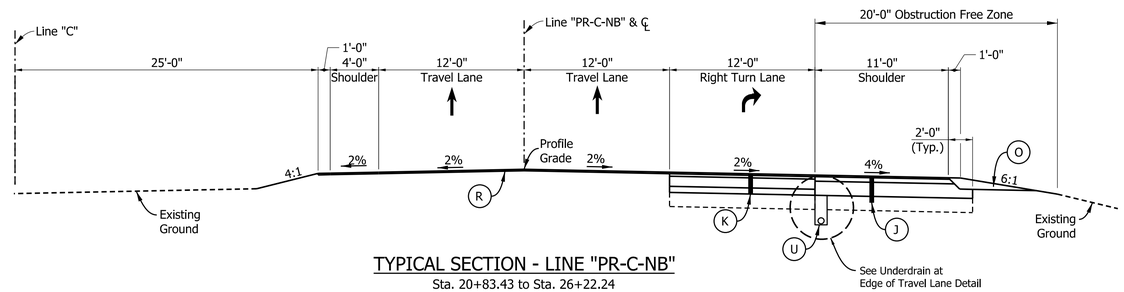


TYPICAL SECTION - LINE "PR-C-NB"

Sta. 19+80.00 to Sta. 20+83.43

1 Median U-Turn from Sta. 20+17.87 to Sta. 20+83.43 Line "PR-C-NB"



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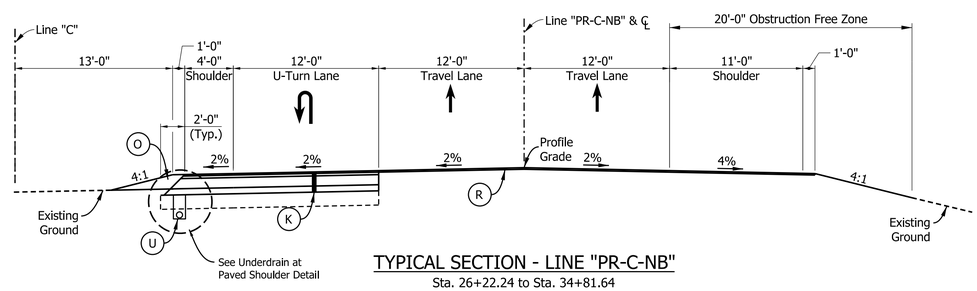
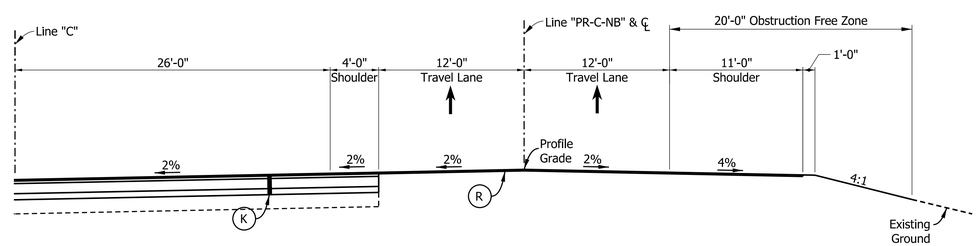
Sta. 20+83.43 to Sta. 26+22.24



TYPICAL SECTION - LINE "PR-C-NB"

Sta. 26+22.24 to Sta. 34+81.64



TYPICAL SECTION - LINE "PR-C-NB"

Sta. 34+81.64 to Sta. 36+42.43

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6 " of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14 " of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(O) Compacted Aggregate No. 53

(U) Pipe, Type 4, Circular, 6"

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
SR 3 & SR 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	4 of 98
CONTRACT	PROJECT
T-40427	1700050

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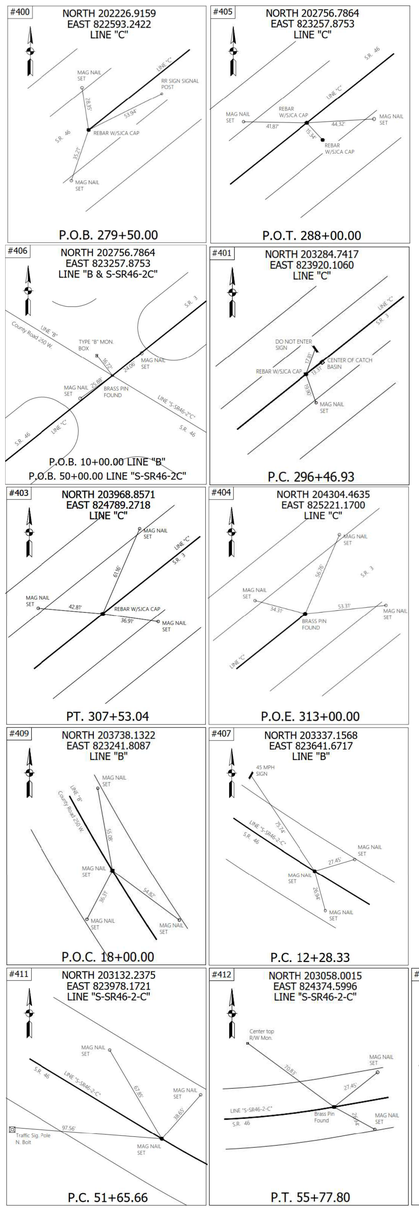

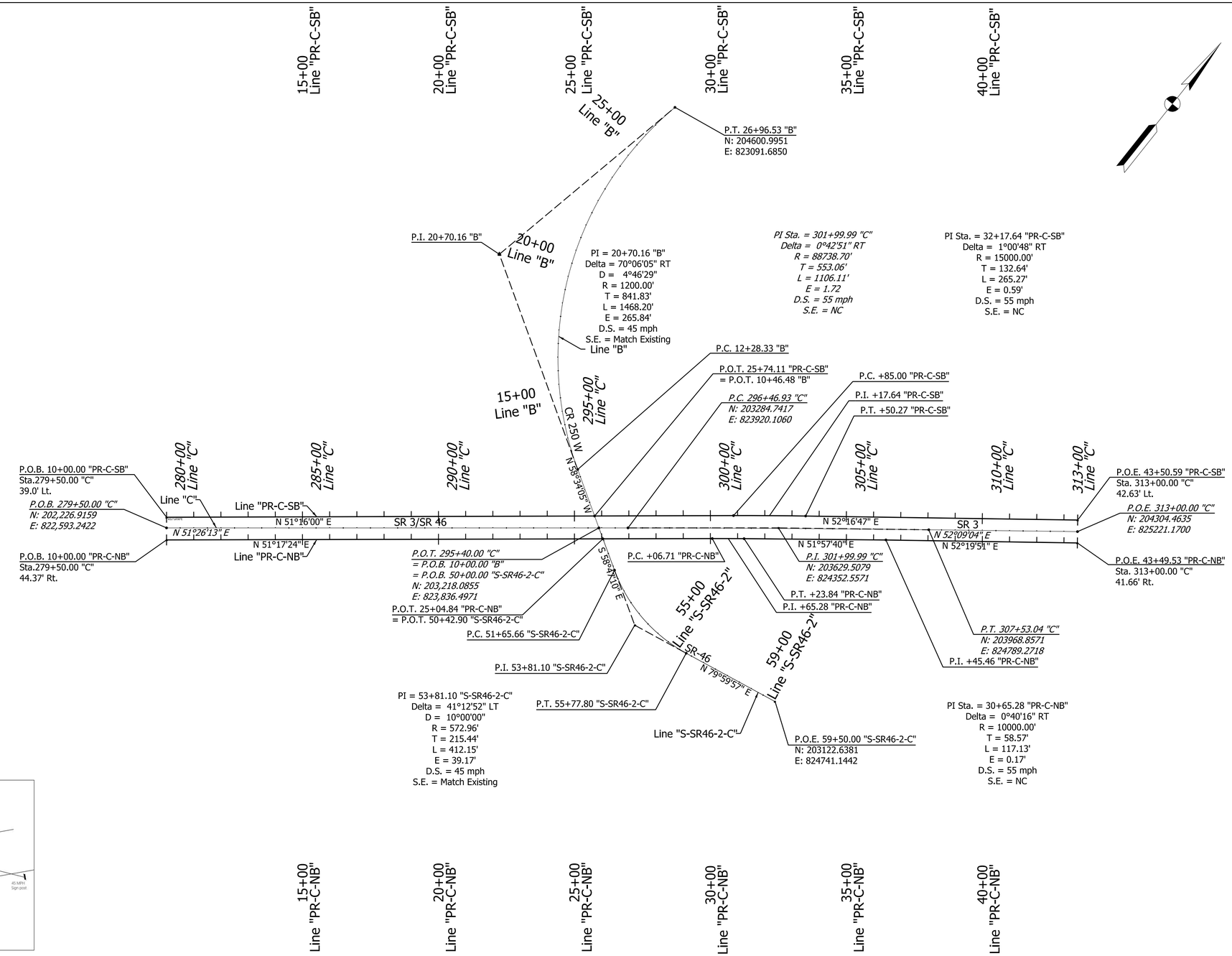

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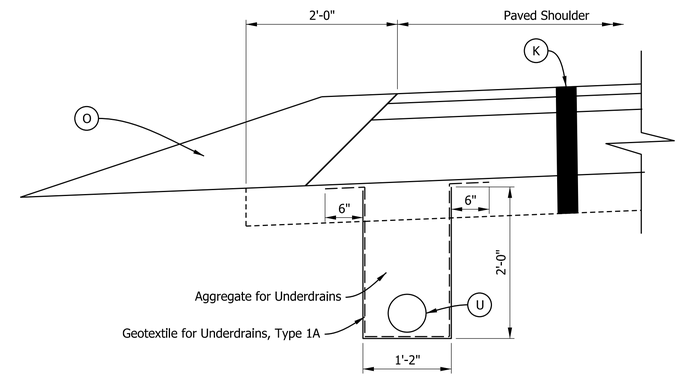
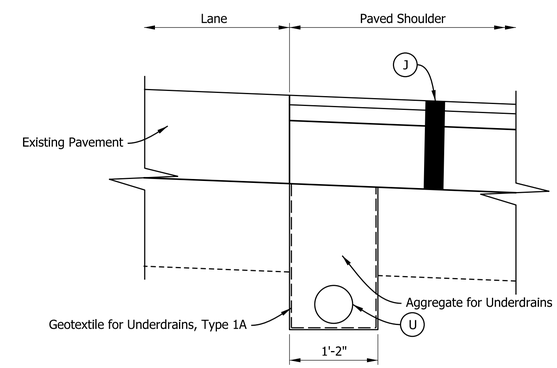
		VERTICAL SCALE	DESIGNATION: 1700050
DESIGNED: CJC / DRAWN: DLM	REFERENCE TIES & GEOMETRIC TIE-UP	SURVEY BOOK	SHEETS: 5 of 98
CHECKED: PAW / CHECKED: PAW		CONTRACT: T-40427	PROJECT: 1700050



UNDERDRAIN AT PAVED SHOULDER

Scale: 1" = 1'-0"



UNDERDRAIN AT EDGE OF TRAVEL LANE

Scale: 1" = 1'-0"

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6 " of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14 " of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(O) Compacted Aggregate No. 53

(U) Pipe, Type 4, Circular, 6"

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
As Noted	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
T-40427	1700050

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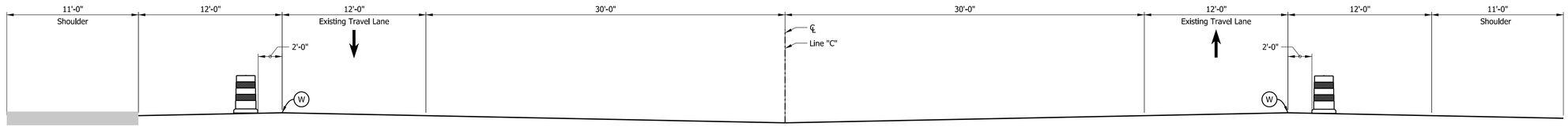
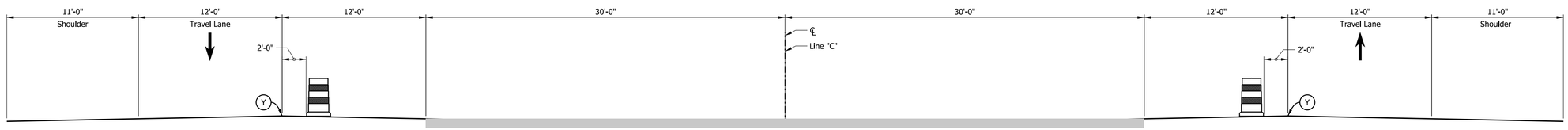
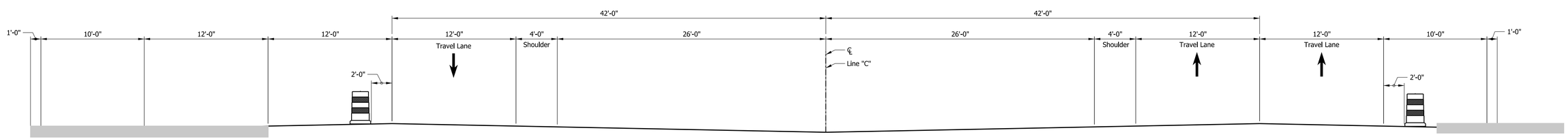


MAINTENANCE OF TRAFFIC - TYPICAL SECTION
PHASE I



MAINTENANCE OF TRAFFIC - TYPICAL SECTION
PHASE II & III



MAINTENANCE OF TRAFFIC - TYPICAL SECTION
PHASE IV & V

Sequence of Operations:
Phase I: North Bound: Close Outside Lane, Maintain All Turning Movements. Remove Turning Roadway and Construct Right Turn Lane.
South Bound: Close Outside Lane, Maintain All Turning Movements. Construct Right Turn Lane.

Phase II: North Bound and South Bound: Close Inside Lane, Maintain All Turning Movements. Consturct Median U-Turn.

Phase III: North Bound and South Bound: Close Inside Lane, Open U-Turn Movements and Remove Central Crossing Roadway and traffic signals.

Phase IV: North Bound: Close Shoulder at S.R. 46 Approach and Construct Median Island.
South Bound: Close Inside Lane at C.R. 250 W. Approach, Construct Median Island and Widen C.R. 250 W.

Phase V: North Bound: Open to All Traffic
South Bound: Close Outside Shoulder and Remove Turning Roadway

Design Speed = 45 MPH

LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
T-40427	1700050

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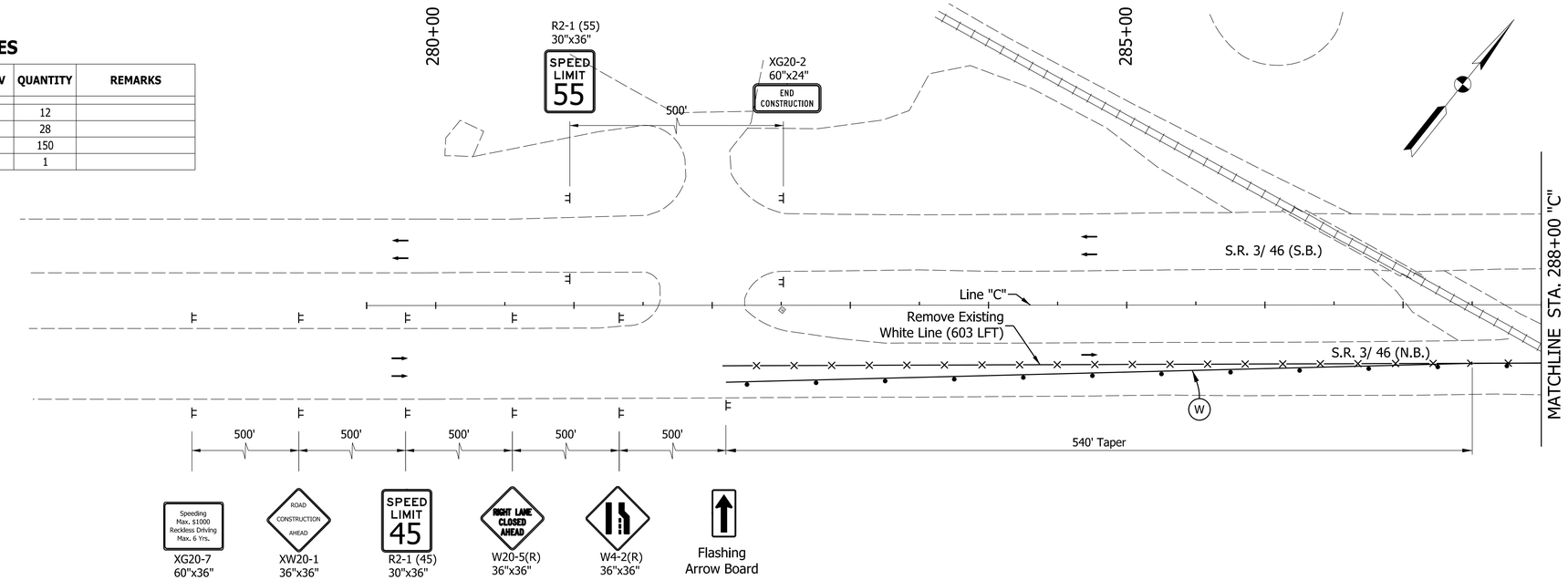
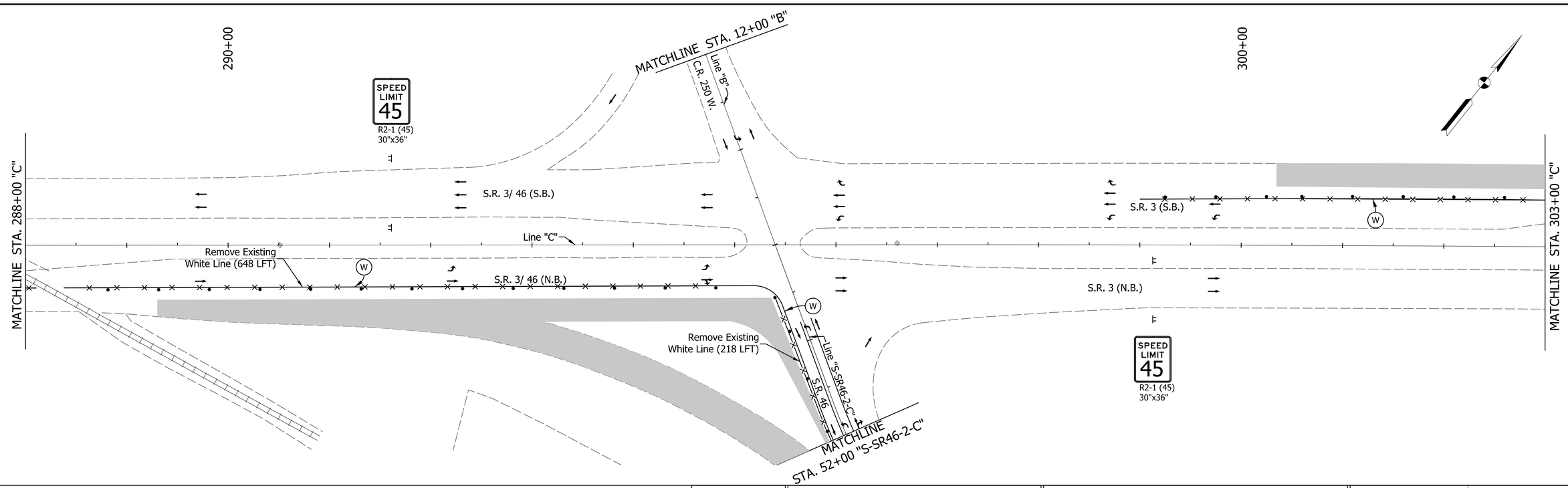
MAINTENANCE OF TRAFFIC QUANTITIES

ITEM DESCRIPTION	UNIT	PHASE I	PHASE II	PHASE III	PHASE IV	PHASE V	QUANTITY	REMARKS
CONSTRUCTION SIGN, A	EACH	12	12	12	12	12	12	
CONSTRUCTION SIGN, B	EACH	28	28	28	24	20	28	
FLASHING ARROW SIGNS	DAY	40	40	20	30	20	150	
MAINTAINING TRAFFIC	LS						1	





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
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CONTRACT	PROJECT
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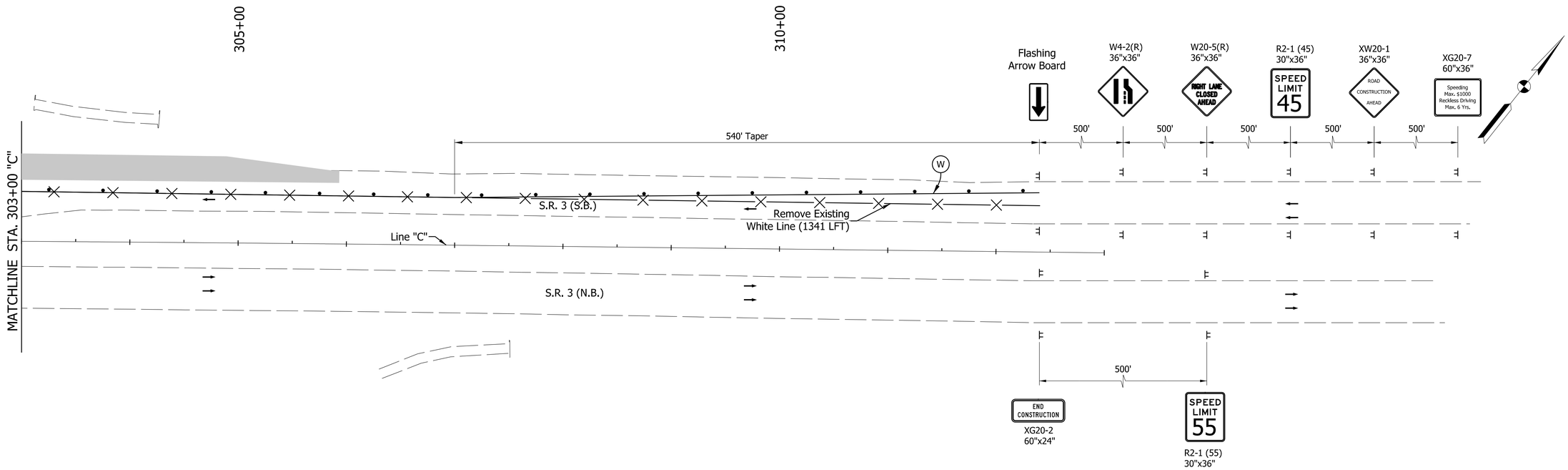


LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

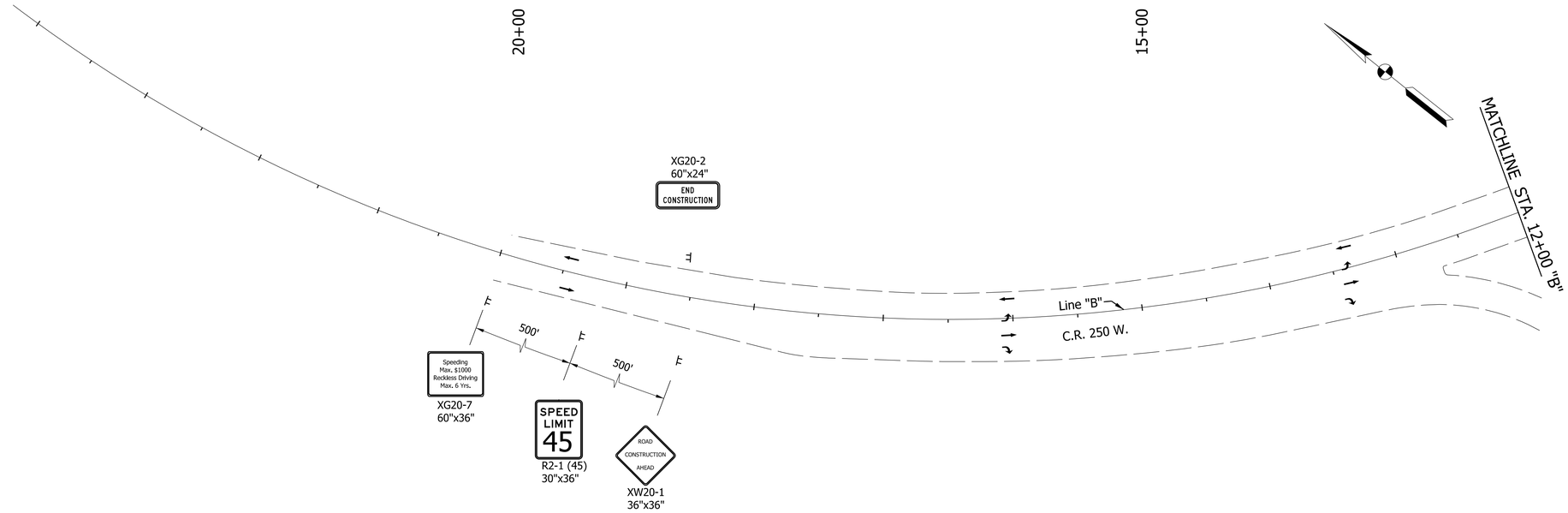
CHECKED: PAW CHECKED: PAW

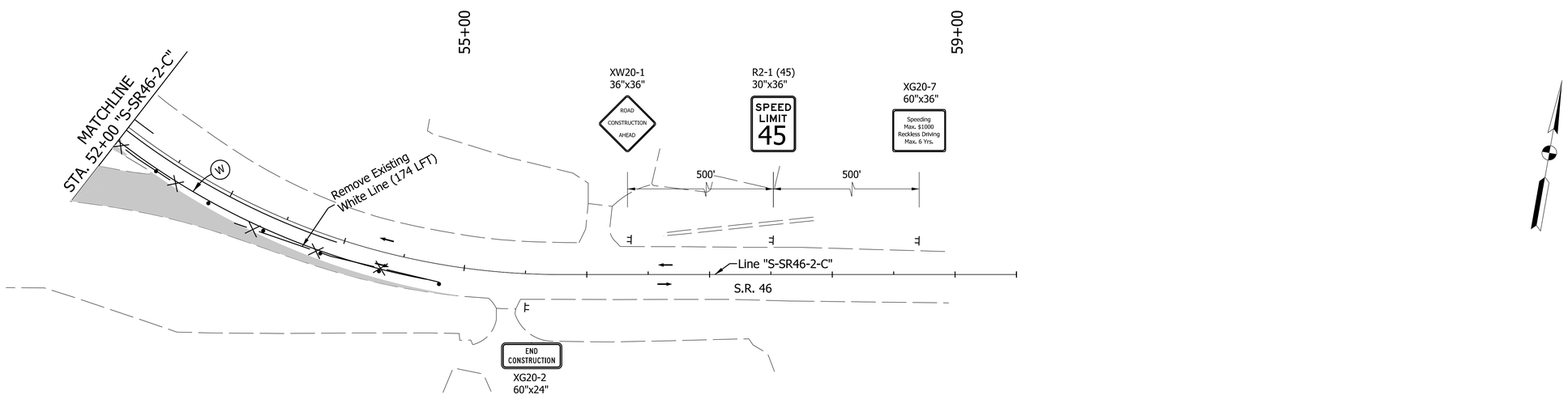
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	9 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 1_02.dgn
MODEL NAME: MOT01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:04 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

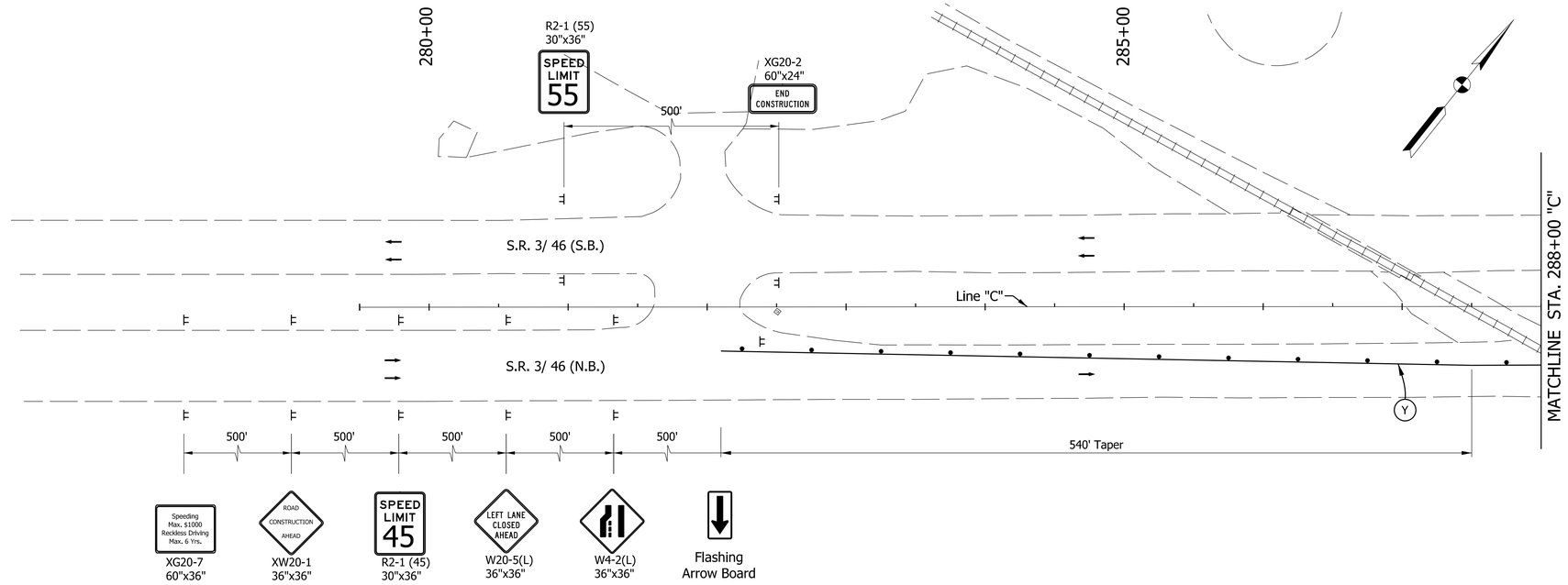
CHECKED: PAW CHECKED: PAW

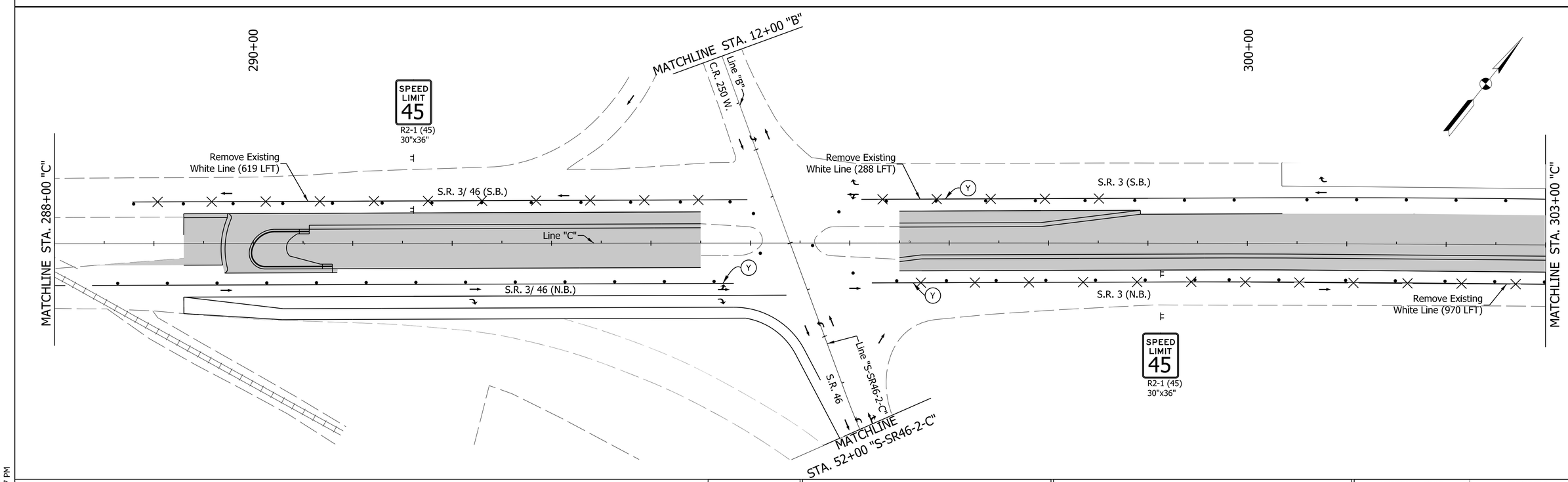
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	10 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 1_03.dgn
MODEL NAME: MOT01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:07 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

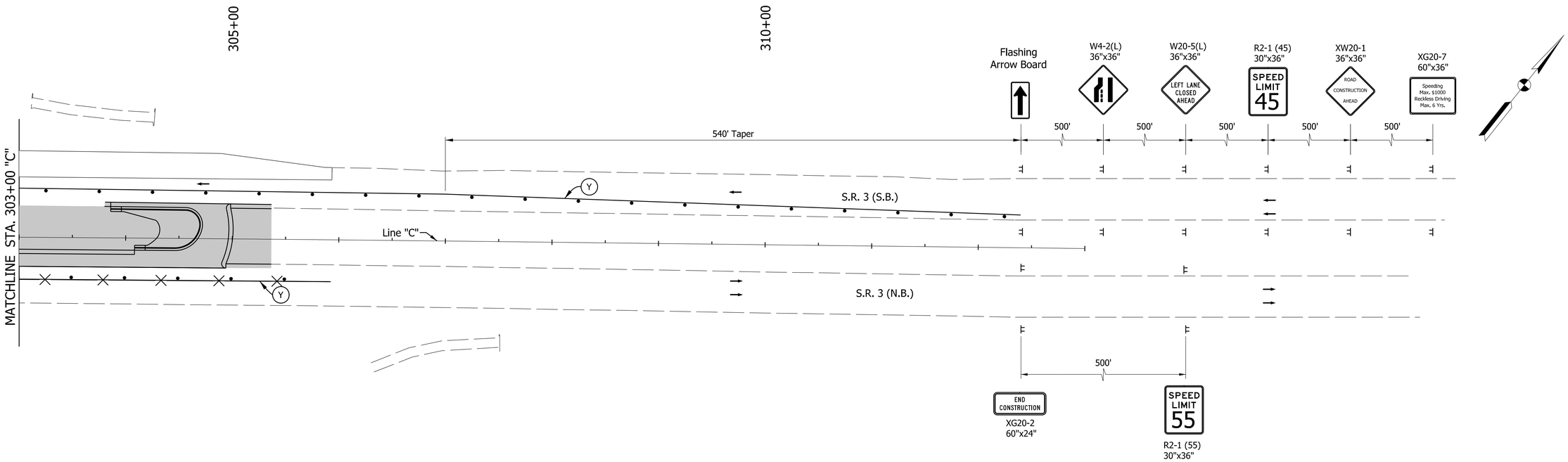
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	11 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 2_01.dgn
MODEL NAME: MOT02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:17 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	12 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 2_02.dgn
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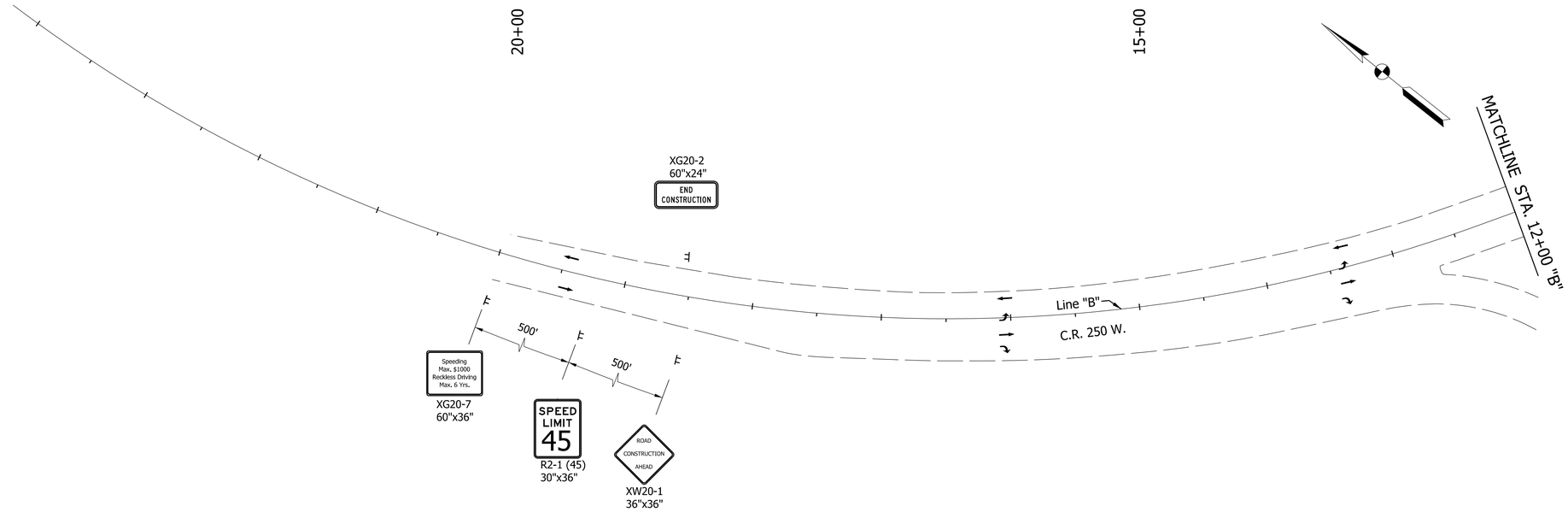
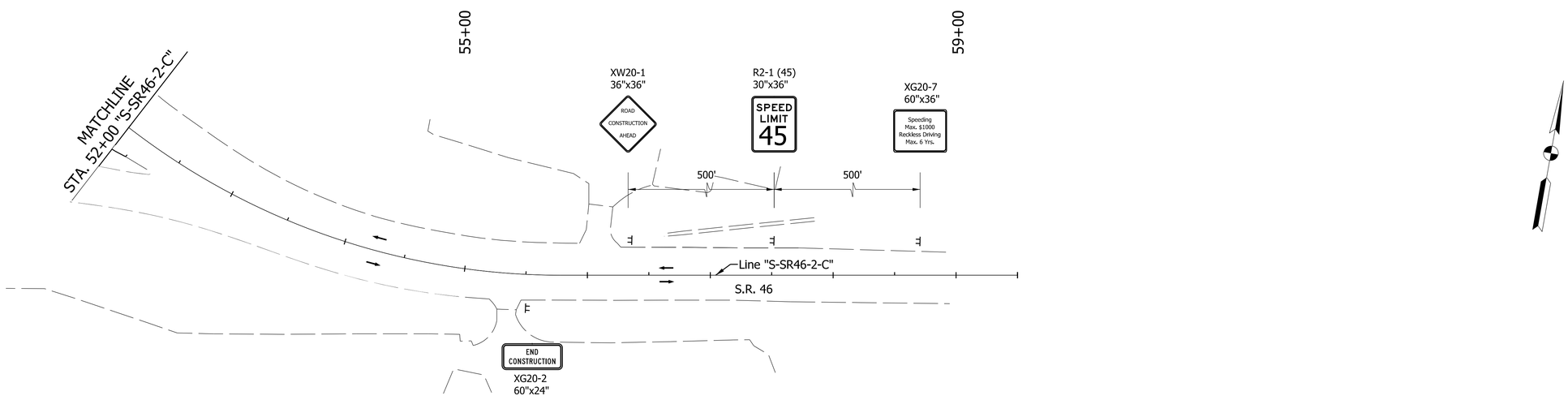
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:21 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

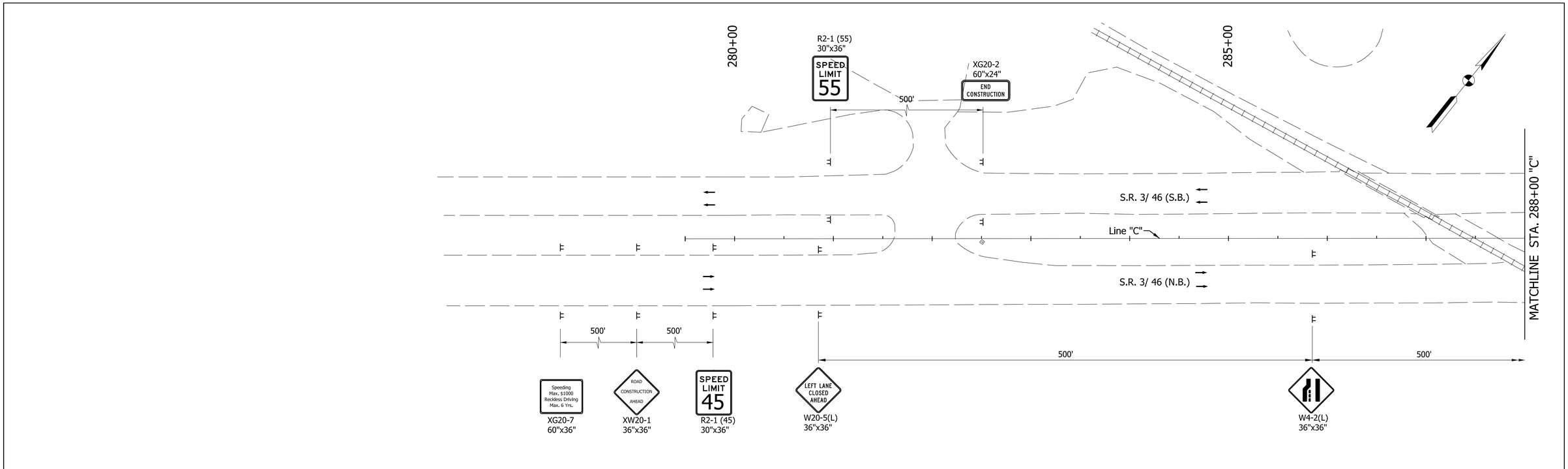
CHECKED: PAW CHECKED: PAW

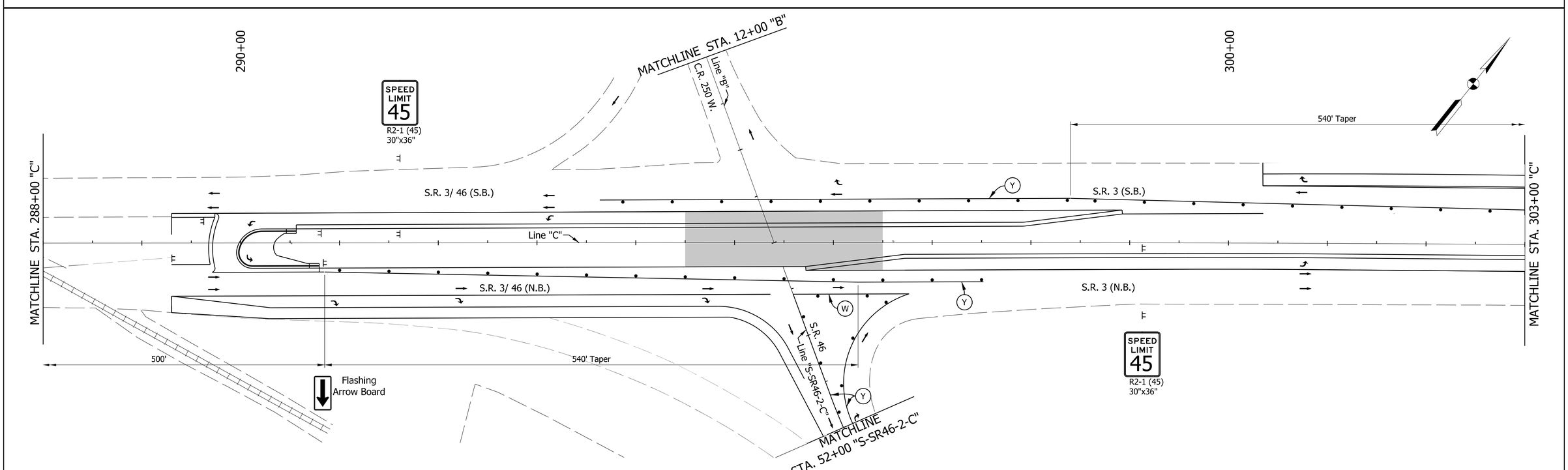
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	13 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 2_03.dgn
MODEL NAME: MOT02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:24 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	14 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 3_01.dgn
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DATE PLOTTED: 1/6/2021
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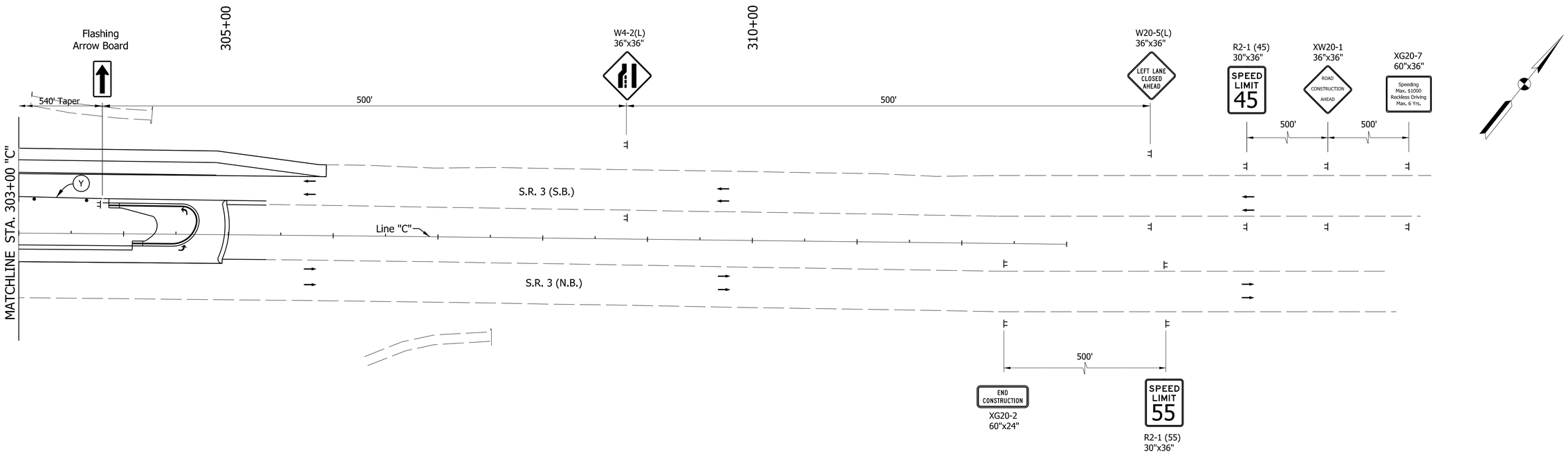

LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	15 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 3_02.dgn
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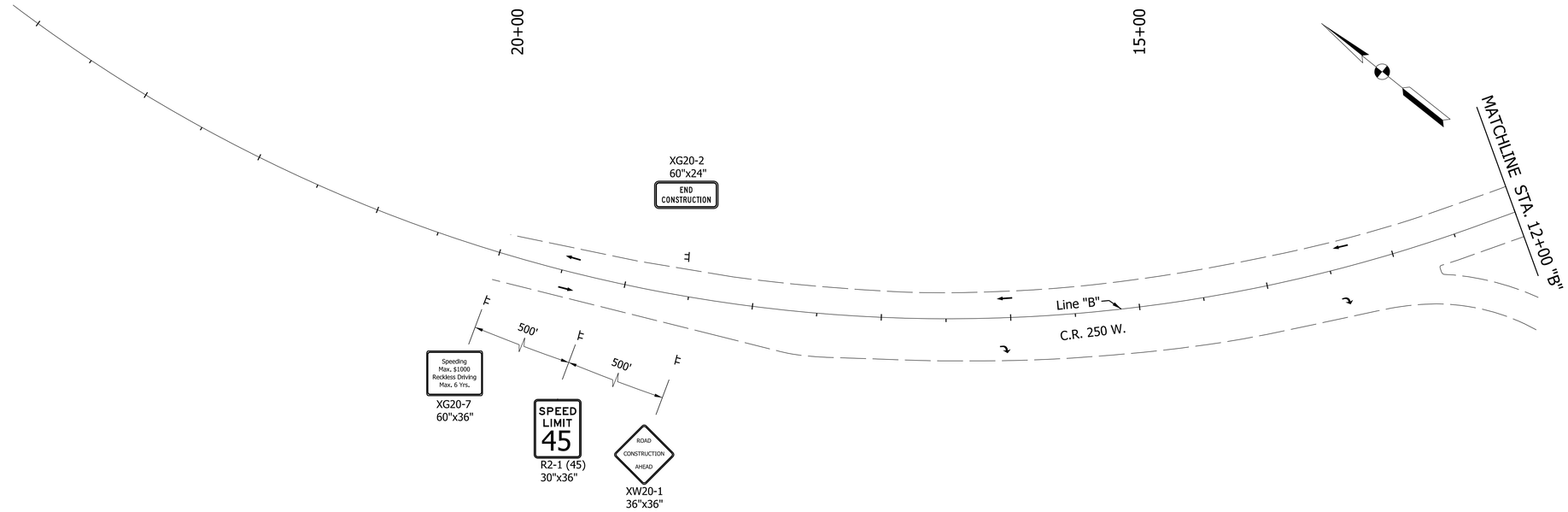
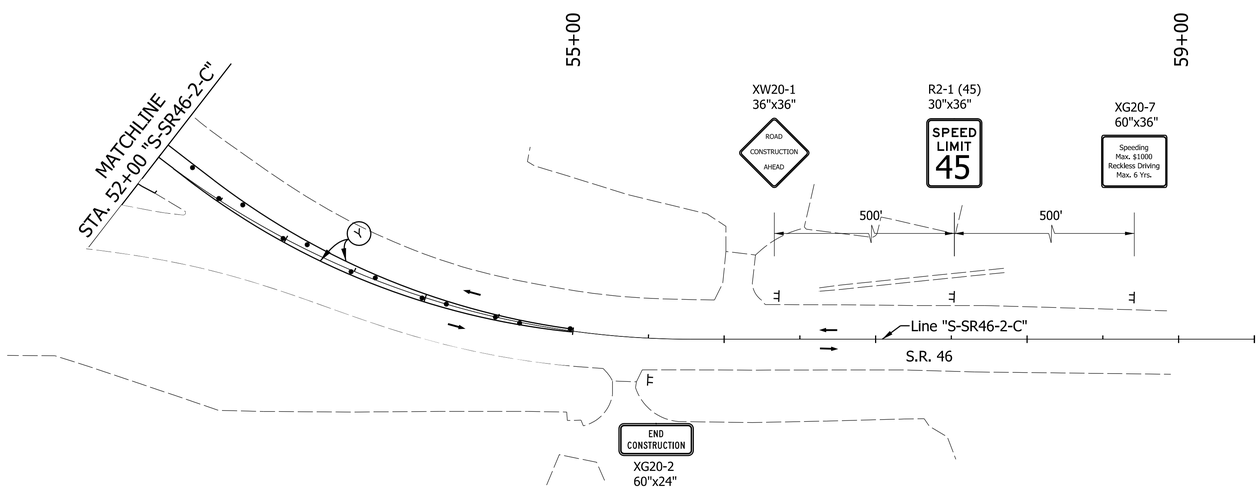
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:36 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	16 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 3_03.dgn
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DATE PLOTTED: 1/6/2021
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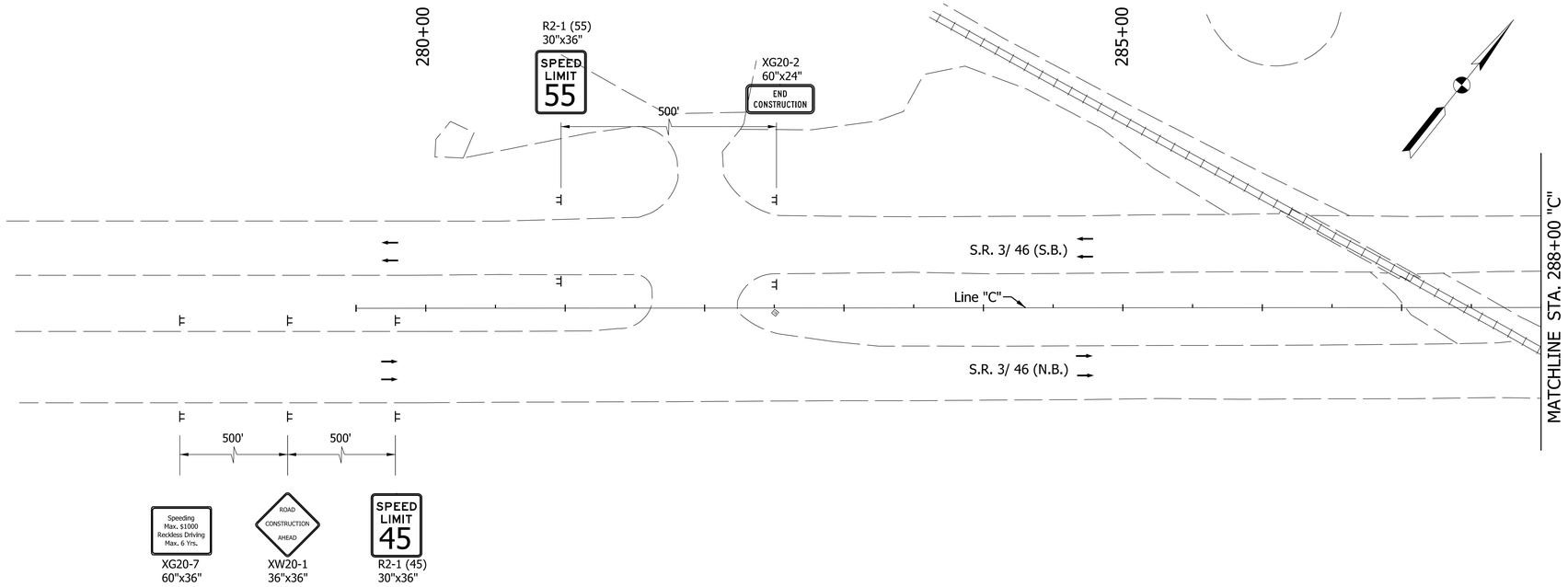

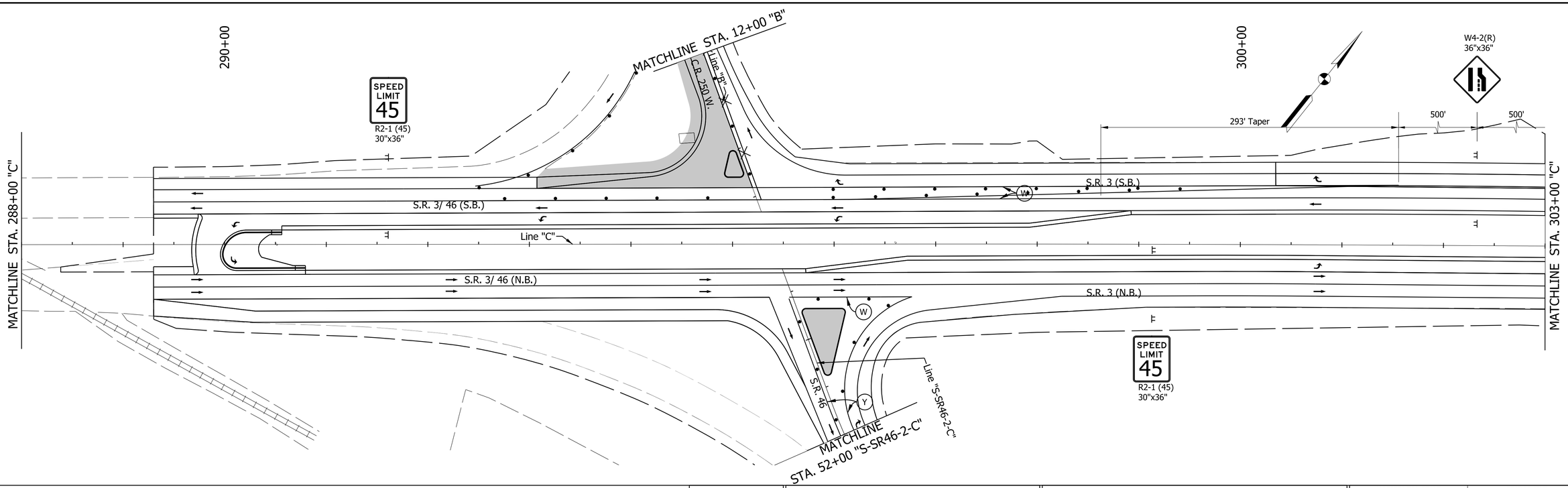

LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	17 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 4_01.dgn
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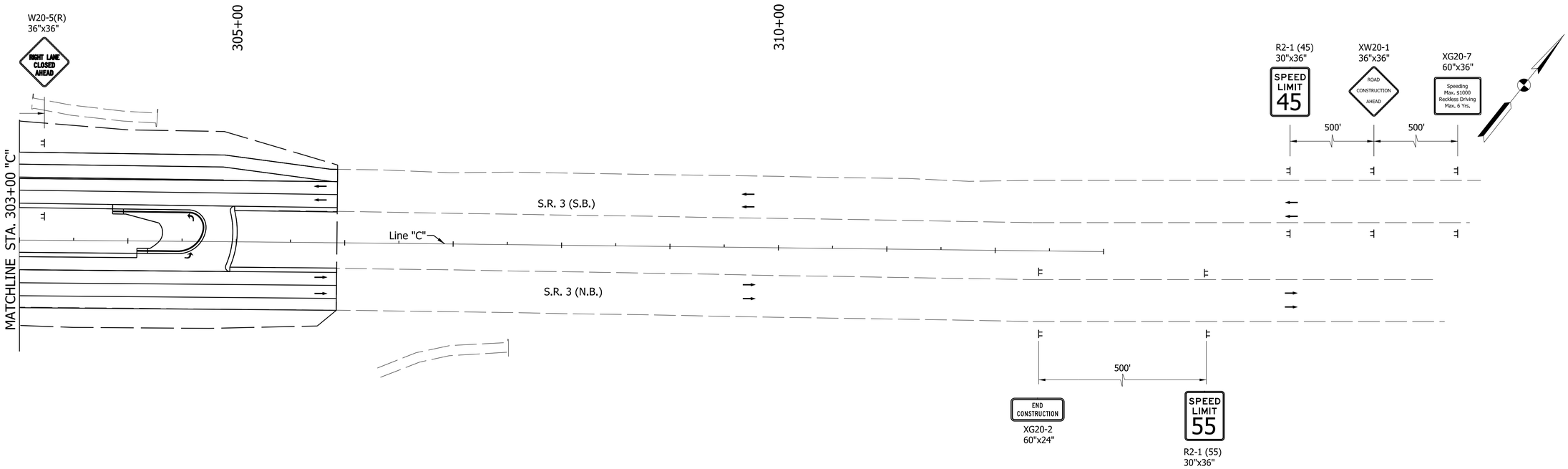
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:51 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	18 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 4_02.dgn
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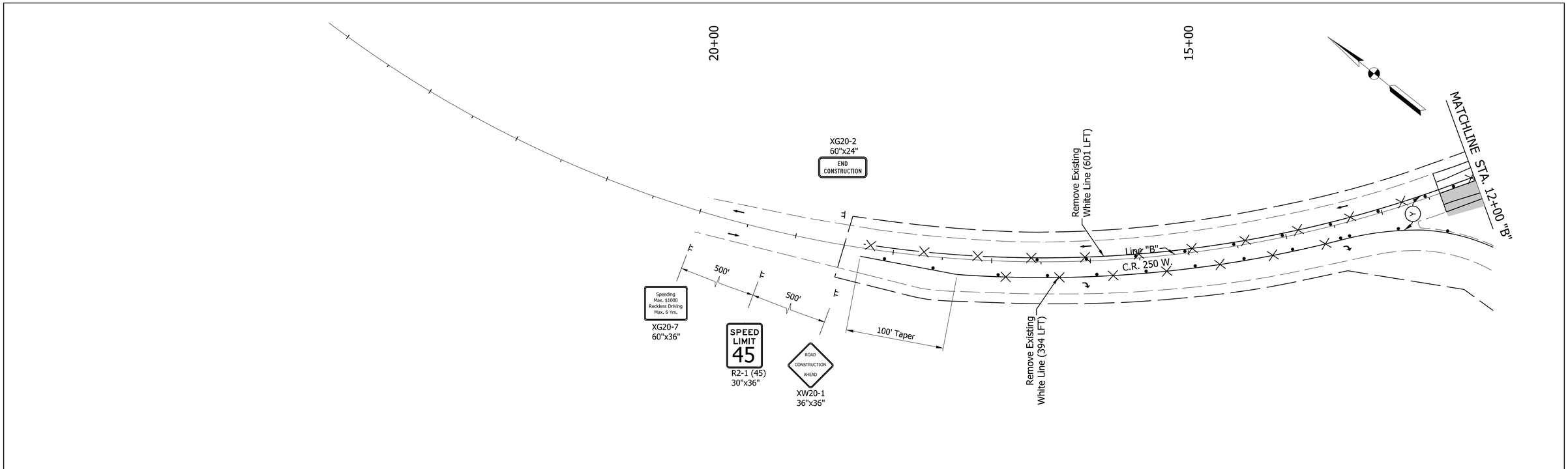
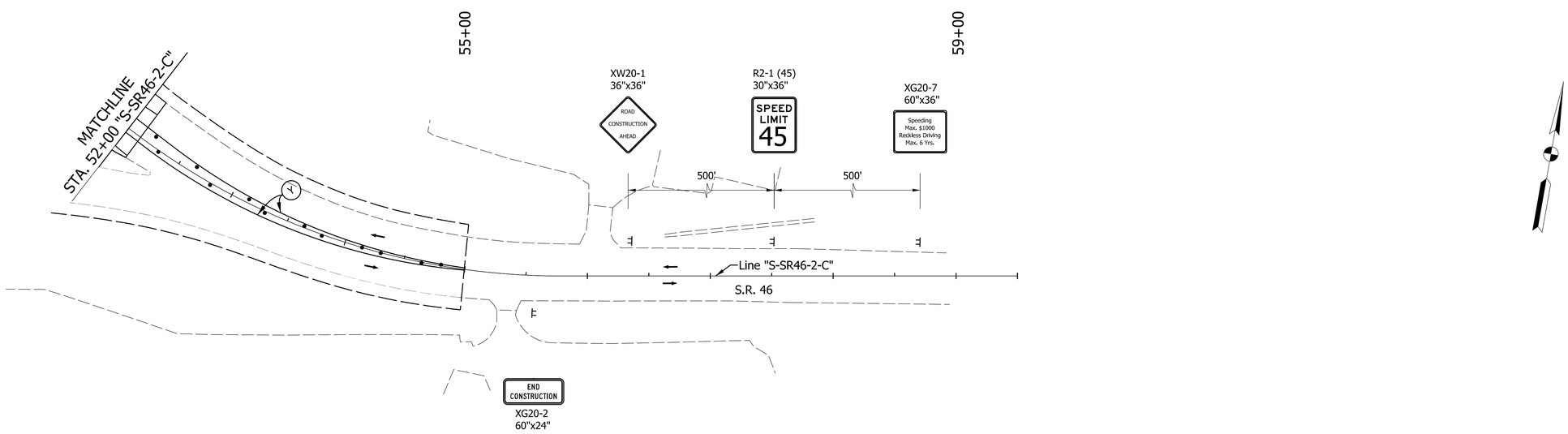
TIME PLOTTED: 7:40:55 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	19 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 4_03.dgn
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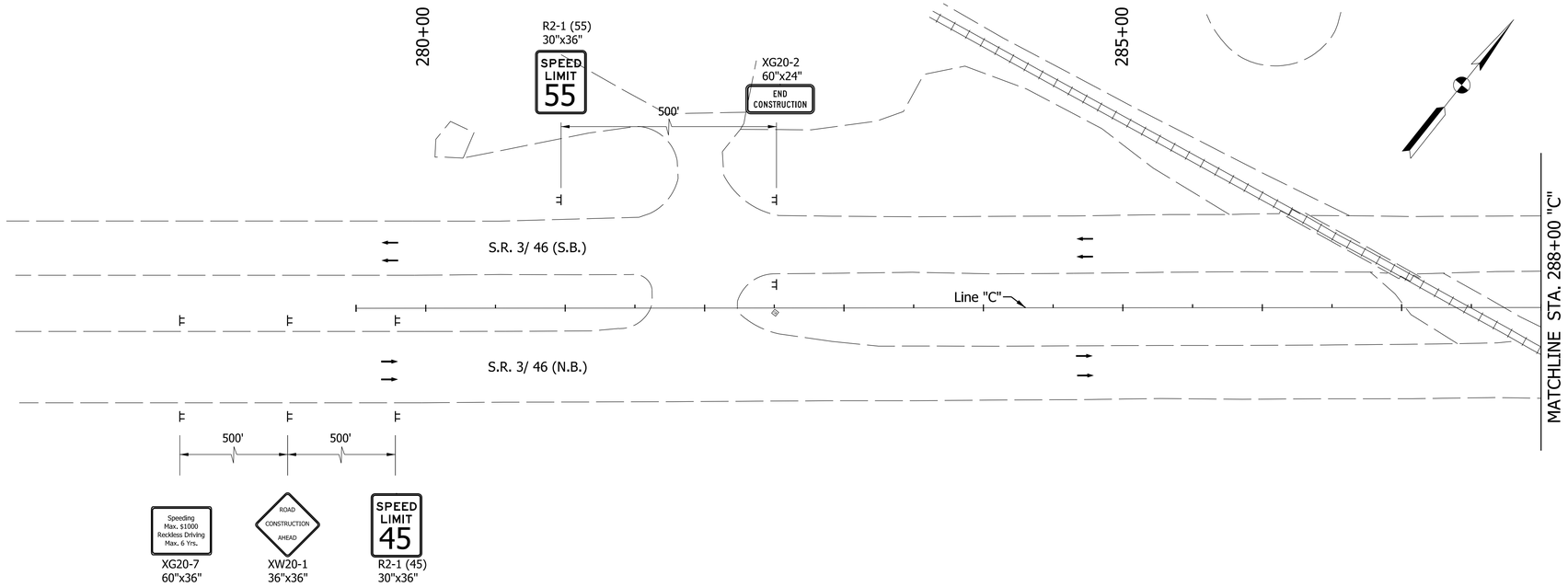
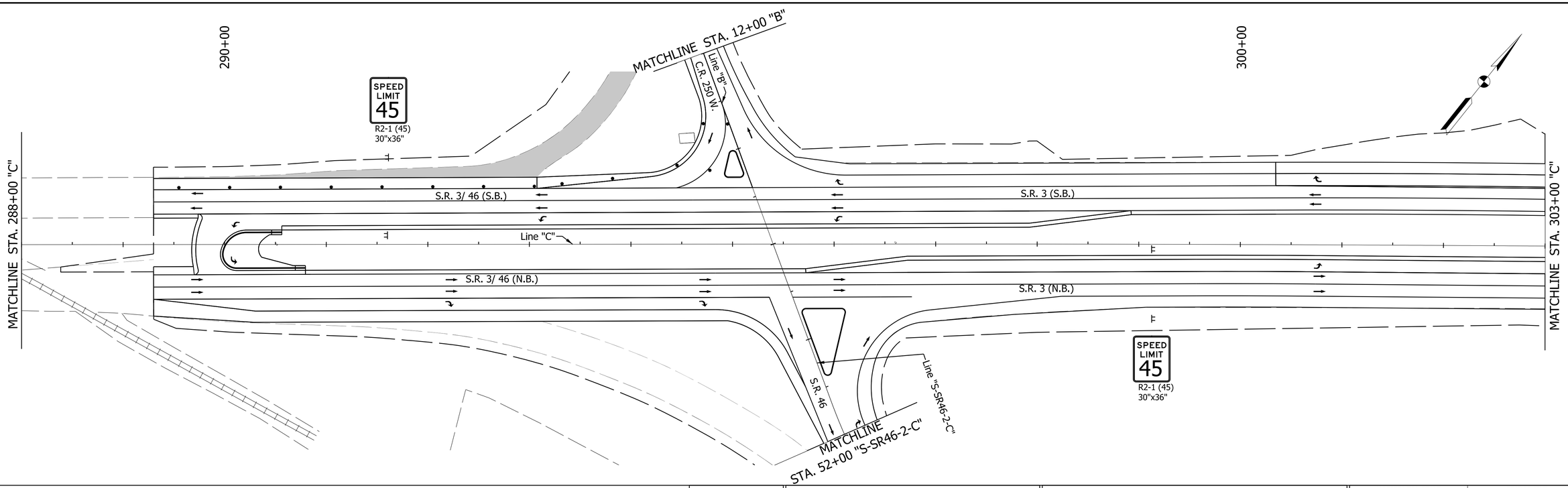
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:40:58 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

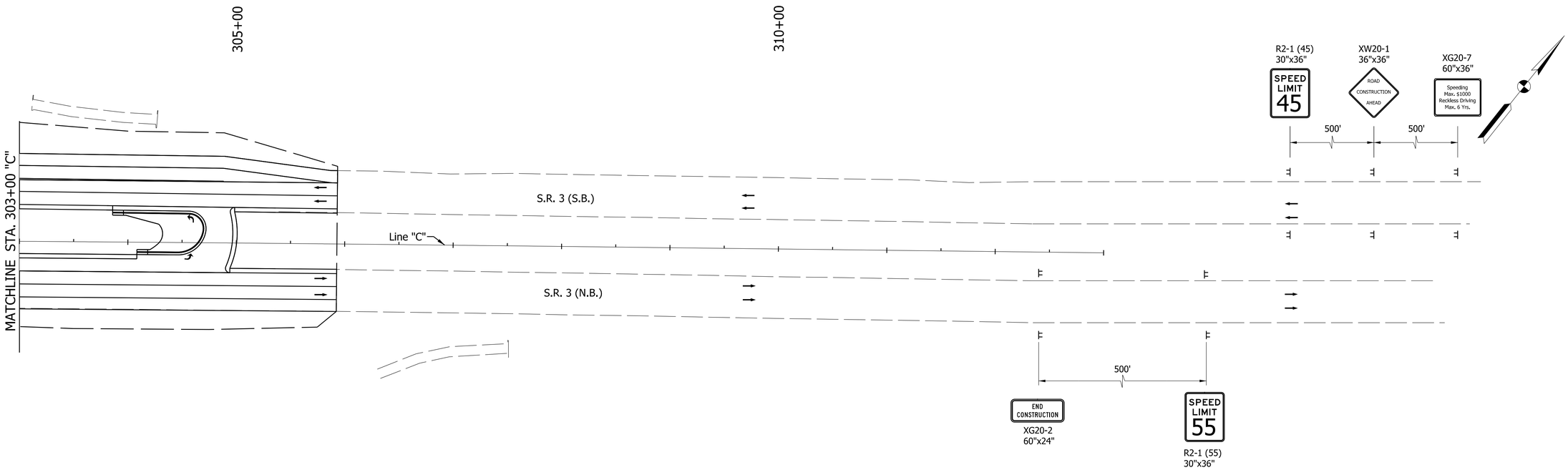
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CJC	DRAWN: DLM	
CHECKED: PAW	CHECKED: PAW	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	20 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 5_01.dgn
MODEL NAME: MOT05
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:41:08 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	21 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 5_02.dgn
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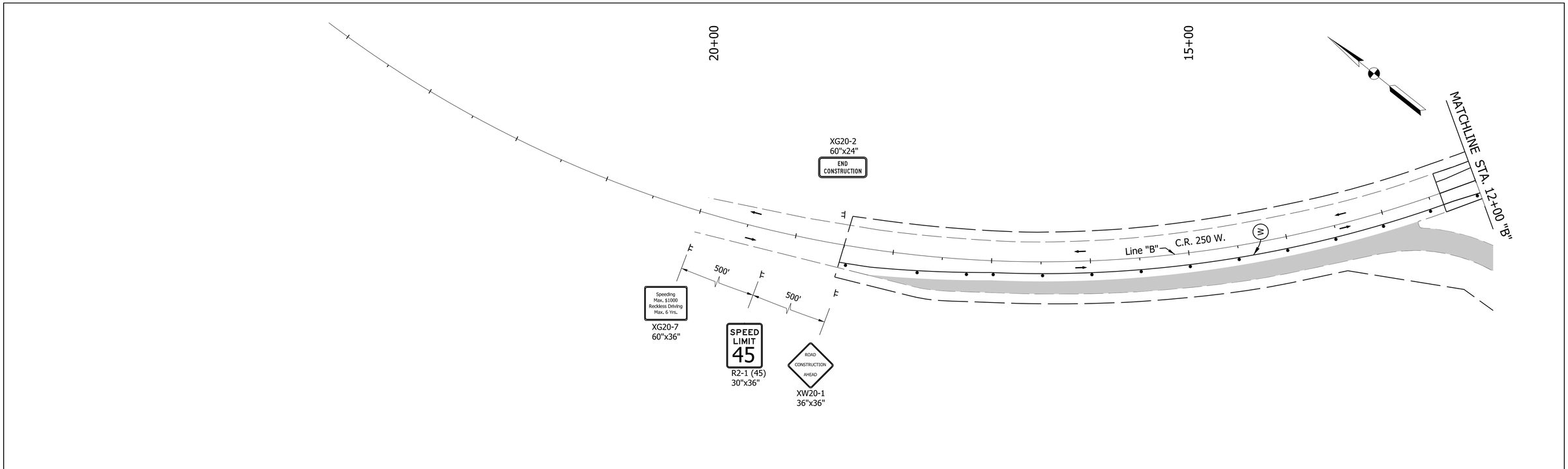
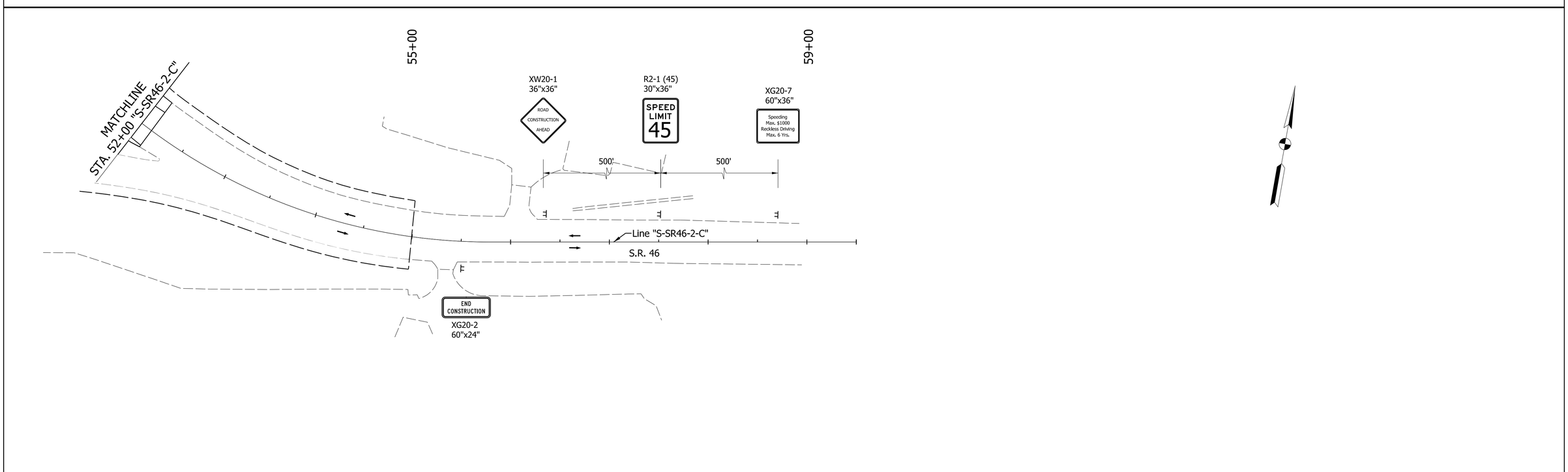
TIME PLOTTED: 7:41:11 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- ● Standard Barrel
- Typical Sign Standard
- → Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	22 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht MOT Phase 5_03.dgn
MODEL NAME: MOT05
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:41:15 PM

286+00

288+00

290+00

State Of Indiana

SEC. 9, T10N, R9E
WASHINGTON TWP.
DECATUR CO.

Central Railroad Company of Indiana

Central Railroad Company of Indiana App. Ex. R/W

(Grass)

(Asphalt)

Begin Project No. 1700050
P.O.T. Sta. 289+30.00 "C"

Begin Incidental Construction
P.O.T. Sta. 288+38.56 "C"

S.R. 3/ 46 (S.B.)

Line "C"
N 51°26'13" E

S.R. 3/ 46 (N.B.)

56

App. Ex. R/W

Henry John W
& Geraldine

MATCHLINE STA. 290+75 "C"

LEGEND

Asphalt Removal

Pavement Removal

63R Signal Pole, Signal Heads & Signs Removal

66R Traffic Handholes Removal

67R Signal Controller Removal

56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	23 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Demo_20_01.dgn
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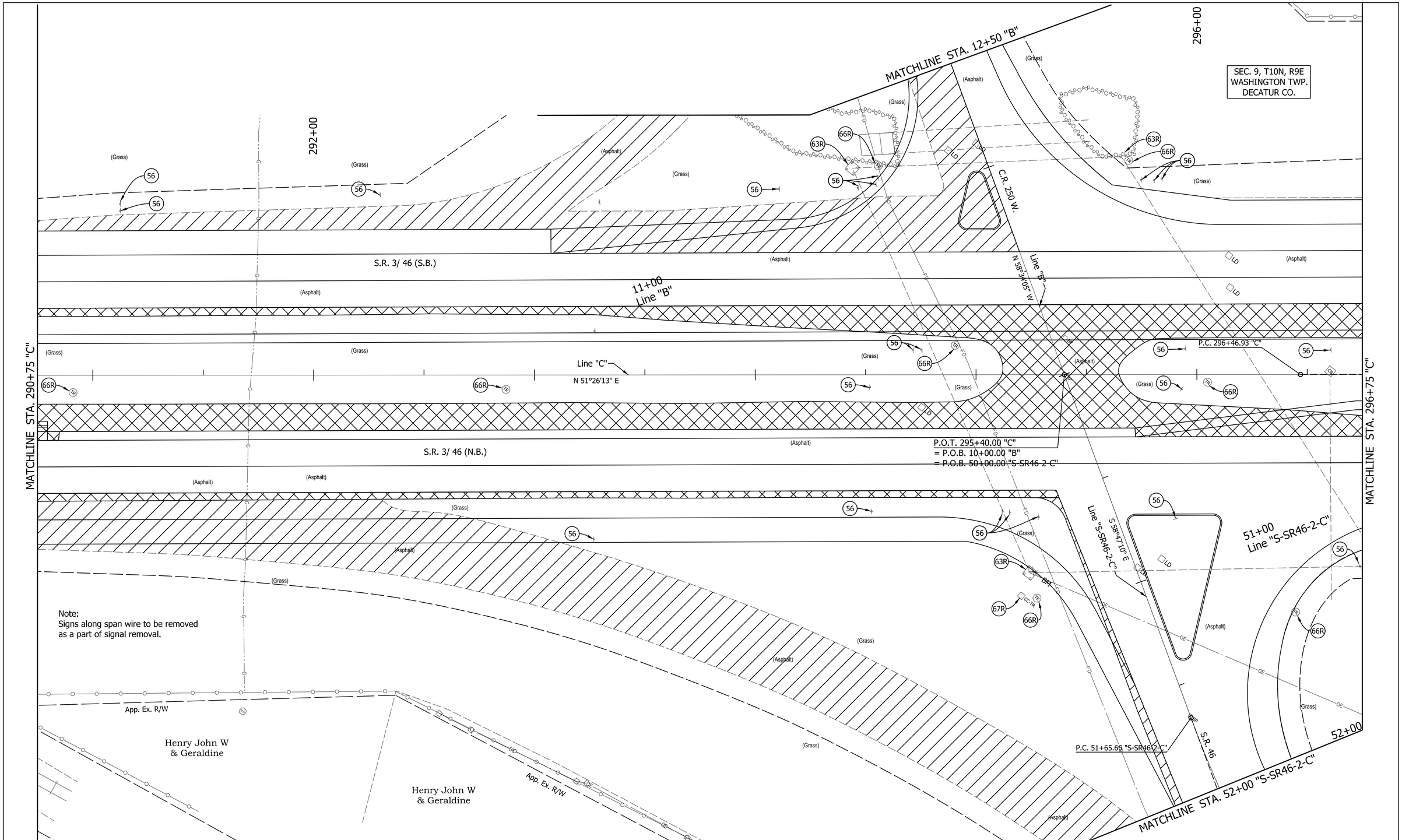
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:41:22 PM



LEGEND

- Asphalt Removal
- Pavement Removal
- 63R Signal Pole, Signal Heads & Signs Removal
- 66R Traffic Handholes Removal
- 67R Signal Controller Removal
- 56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

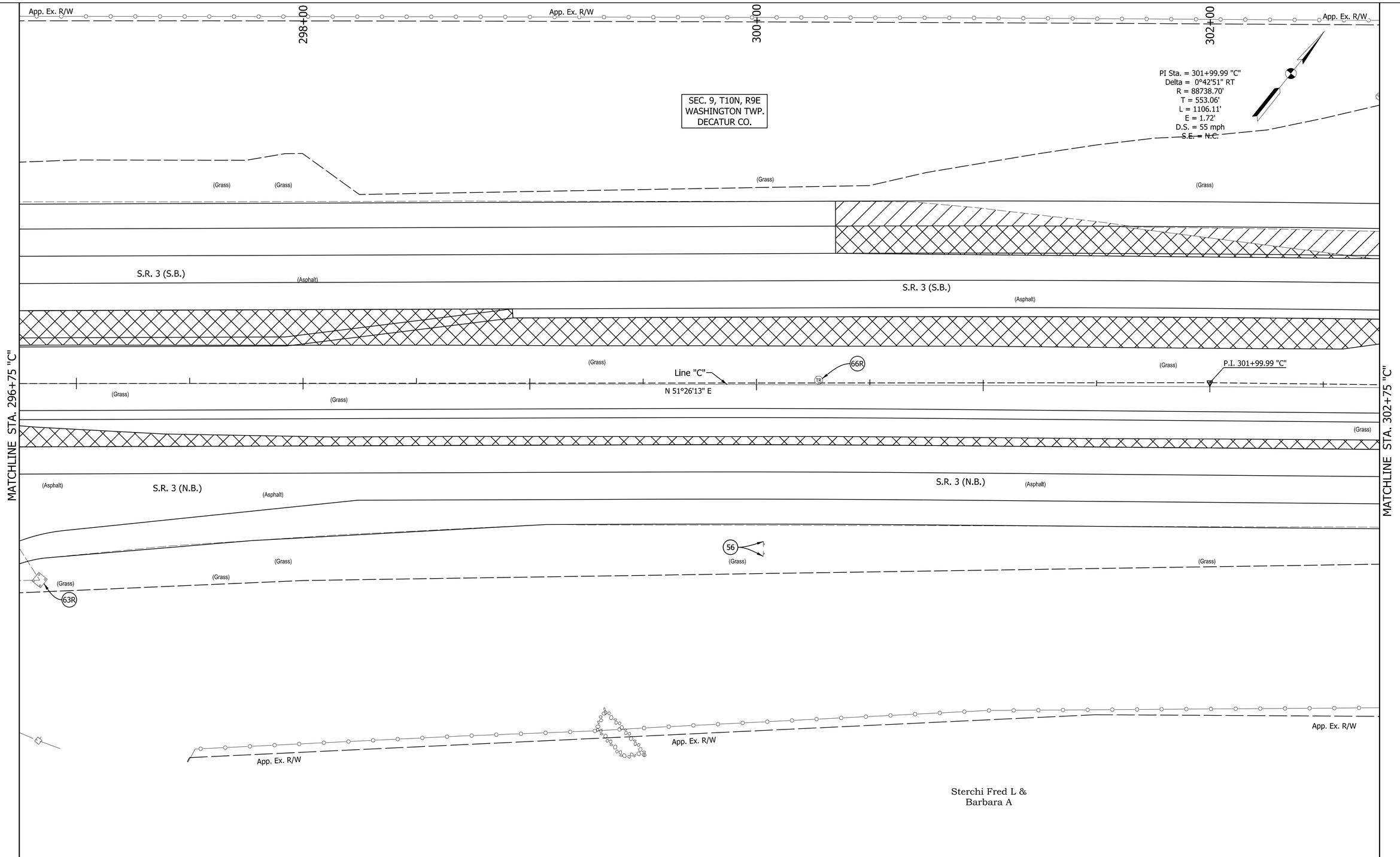
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	24 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Demo_20_02.dgn
MODEL NAME: Sht ConstDet_02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:41:25 PM



LEGEND

- Asphalt Removal
- Pavement Removal
- 63R Signal Pole, Signal Heads & Signs Removal
- 66R Traffic Handholes Removal
- 67R Signal Controller Removal
- 56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	25 of 98
CONTRACT	PROJECT
T-40427	1700050

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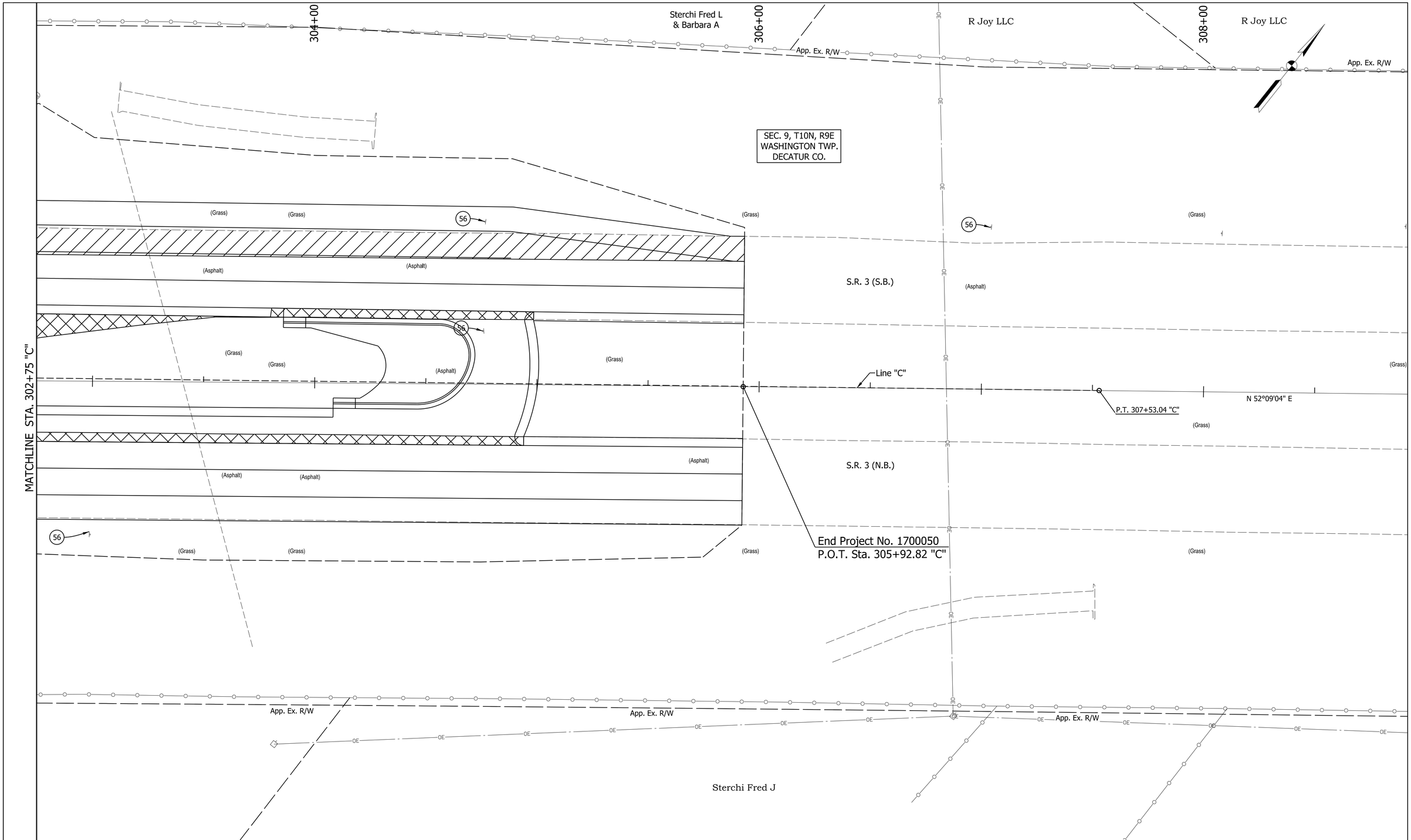
TIME PLOTTED: 7:41:27 PM



LEGEND

- Asphalt Removal
- Pavement Removal
- 63R Signal Pole, Signal Heads & Signs Removal
- 66R Traffic Handholes Removal
- 67R Signal Controller Removal
- 56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	26 of 98
CONTRACT	PROJECT
T-40427	1700050

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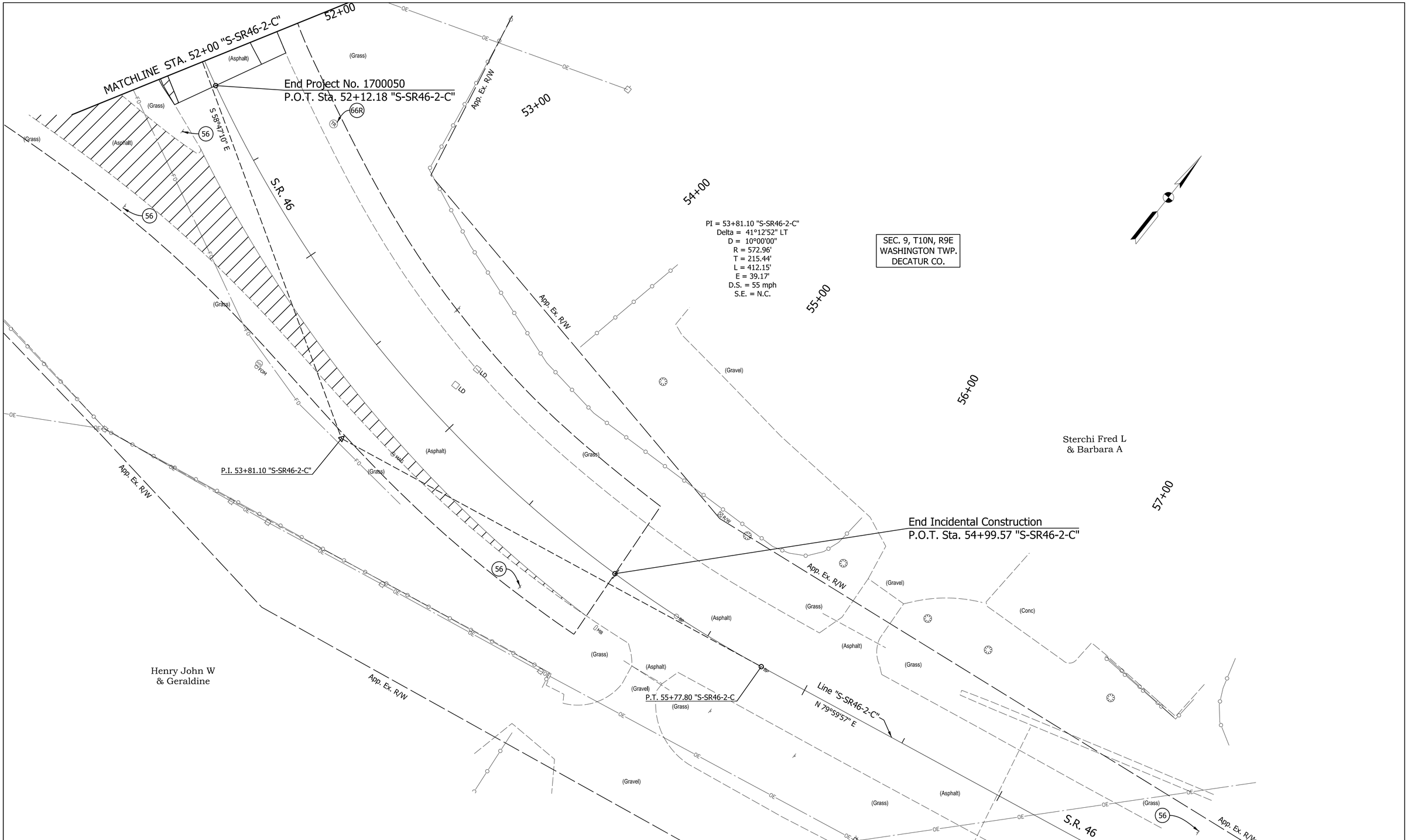

LEGEND

- Asphalt Removal
- Pavement Removal
- 63R Signal Pole, Signal Heads & Signs Removal
- 66R Traffic Handholes Removal
- 67R Signal Controller Removal
- 56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: CJC | DRAWN: DLM

CHECKED: PAW | CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	27 of 98
CONTRACT	PROJECT
T-40427	1700050

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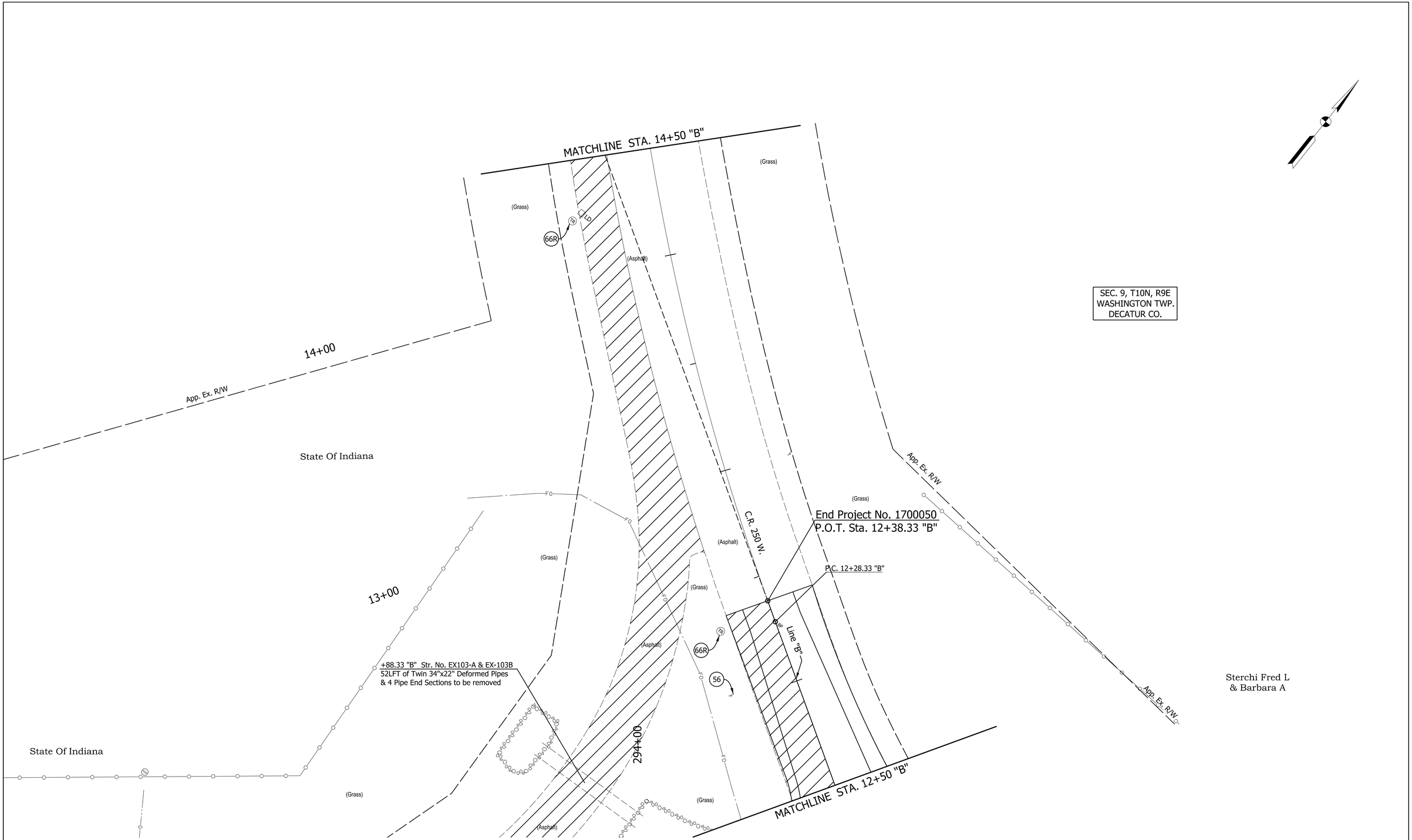

LEGEND

- Asphalt Removal
- Pavement Removal
- 63R Signal Pole, Signal Heads & Signs Removal
- 66R Traffic Handholes Removal
- 67R Signal Controller Removal
- 56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	28 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Demo_20_06.dgn
MODEL NAME: Sht ConstDet_06
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:41:35 PM

15+00

16+00

17+00

18+00

19+00

20+00

Sterchi Fred L
& Barbara A

SEC. 9, T10N, R9E
WASHINGTON TWP.
DECATUR CO.

PI = 20+70.16 "B"
Delta = 70°06'05" RT
D = 4°46'29"
R = 1200.00'
T = 841.83'
L = 1468.20'
E = 265.84'
D.S. = 55 mph
S.E. = N.C.

App. Ex. R/W

App. Ex. R/W

N 58°34'05" W

(Grass)

56

(Grass)

(Grass)

(Asphalt)

End Incidental Construction
P.O.T. Sta. 18+50.16 "B"

App. Ex. R/W

MATCHLINE STA. 14+50 "B"

C.R. 250 W.

(Asphalt)

(Asphalt)

Line "B"

(Grass)

(Grass)

(Grass)

App. Ex. R/W

App. Ex. R/W

App. Ex. R/W

Sterchi Fred L
& Barbara A

LEGEND

Asphalt Removal

Pavement Removal

63R Signal Pole, Signal Heads & Signs Removal

66R Traffic Handholes Removal

67R Signal Controller Removal

56 Remove Existing Sheet Sign and Supports

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

DEMOLITION PLANS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	29 of 98
CONTRACT	PROJECT
T-40427	1700050

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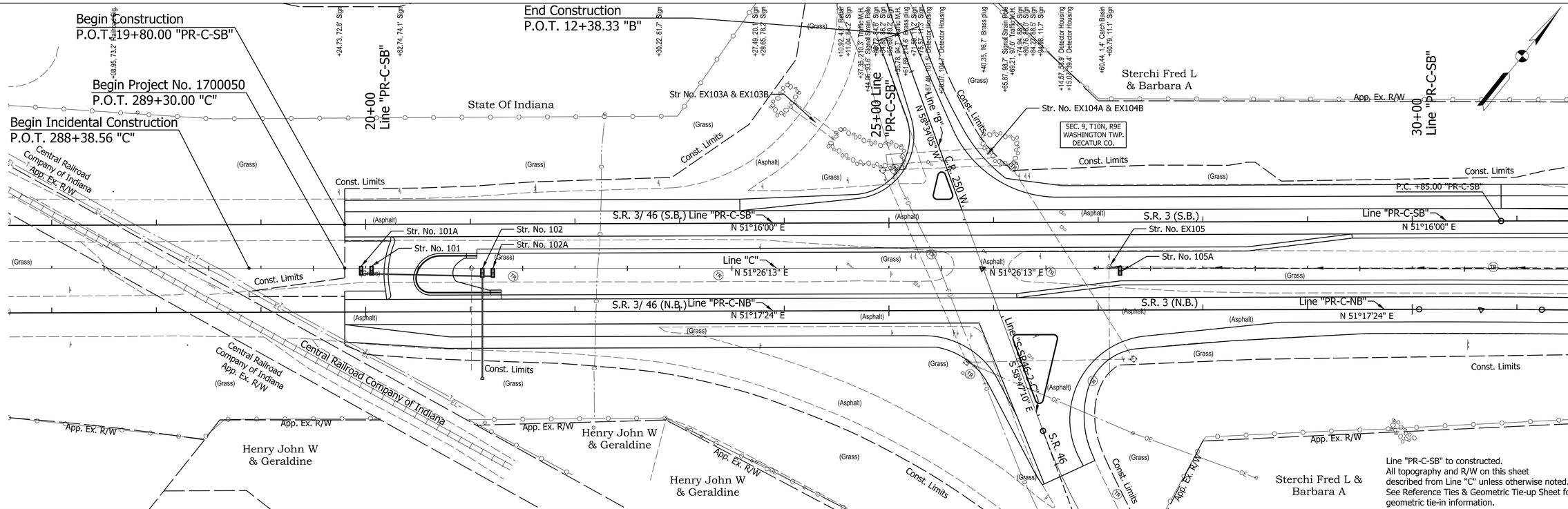


Line "PR-C-SB" to constructed.
All topography and R/W on this sheet described from Line "C" unless otherwise noted.
See Reference Ties & Geometric Tie-up Sheet for geometric tie-in information.

TBM #1: Barn Nail in N. Face of Pwp. #3D9P83
Elev. 914.757

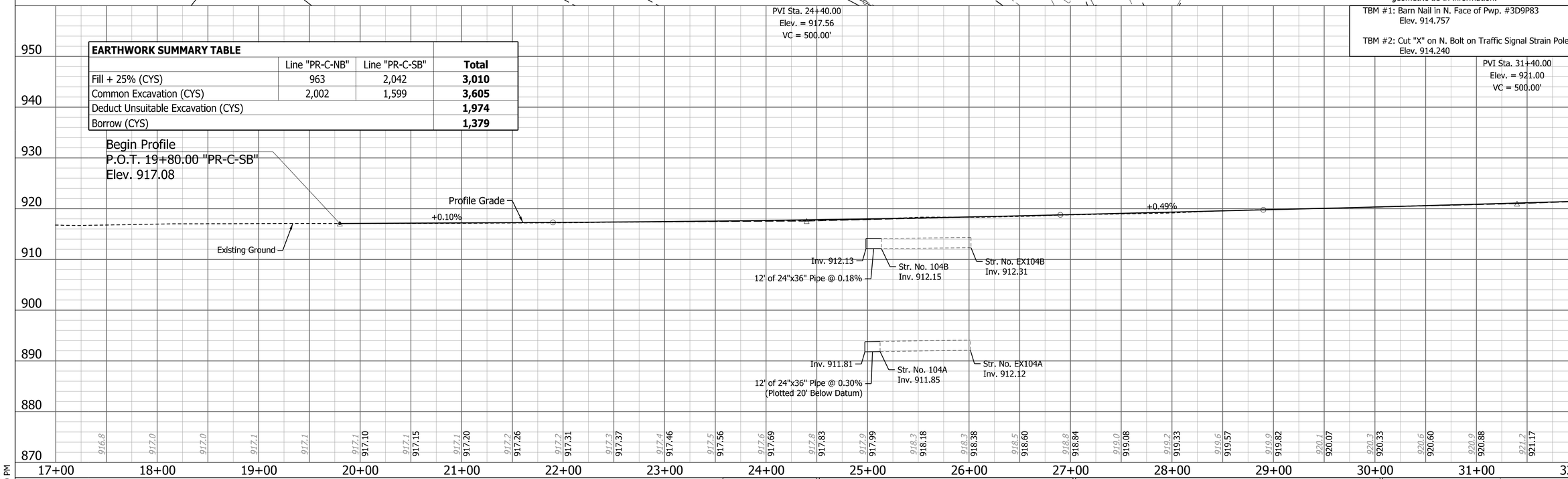
TBM #2: Cut "X" on N. Bolt on Traffic Signal Strain Pole
Elev. 914.240

PVI Sta. 24+40.00
Elev. = 917.56
VC = 500.00'

PVI Sta. 31+40.00
Elev. = 921.00
VC = 500.00'

EARTHWORK SUMMARY TABLE

	Line "PR-C-NB"	Line "PR-C-SB"	**Total**
Fill + 25% (CYS)	963	2,042	**3,010**
Common Excavation (CYS)	2,002	1,599	**3,605**
Deduct Unsuitable Excavation (CYS)			**1,974**
Borrow (CYS)			**1,379**



See Geometric Tie-Up Sheet for Control Points

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	30 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht PlanProf_50_01.dgn
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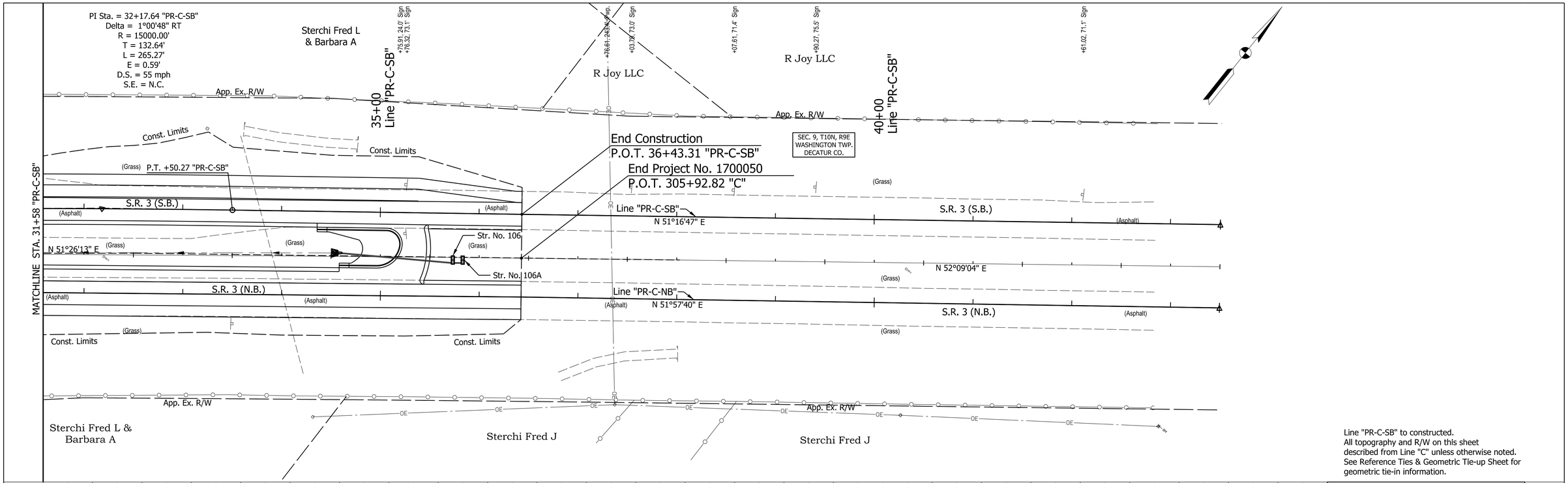
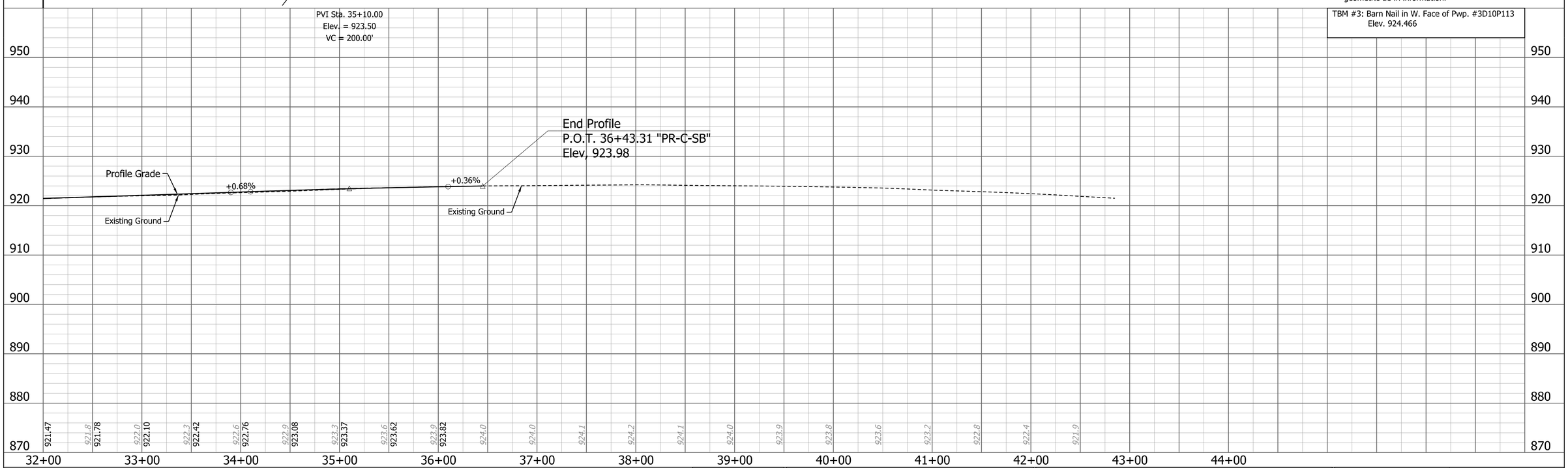
TIME PLOTTED: 7:42:00 PM



Line "PR-C-SB" to constructed.
All topography and R/W on this sheet described from Line "C" unless otherwise noted.
See Reference Ties & Geometric Tie-up Sheet for geometric tie-in information.

TBM #3: Barn Nail in W. Face of Pwp. #3D10P113
Elev. 924.466



See Geometric Tie-Up Sheet for Control Points

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	31 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht PlanProf_50_02.dgn
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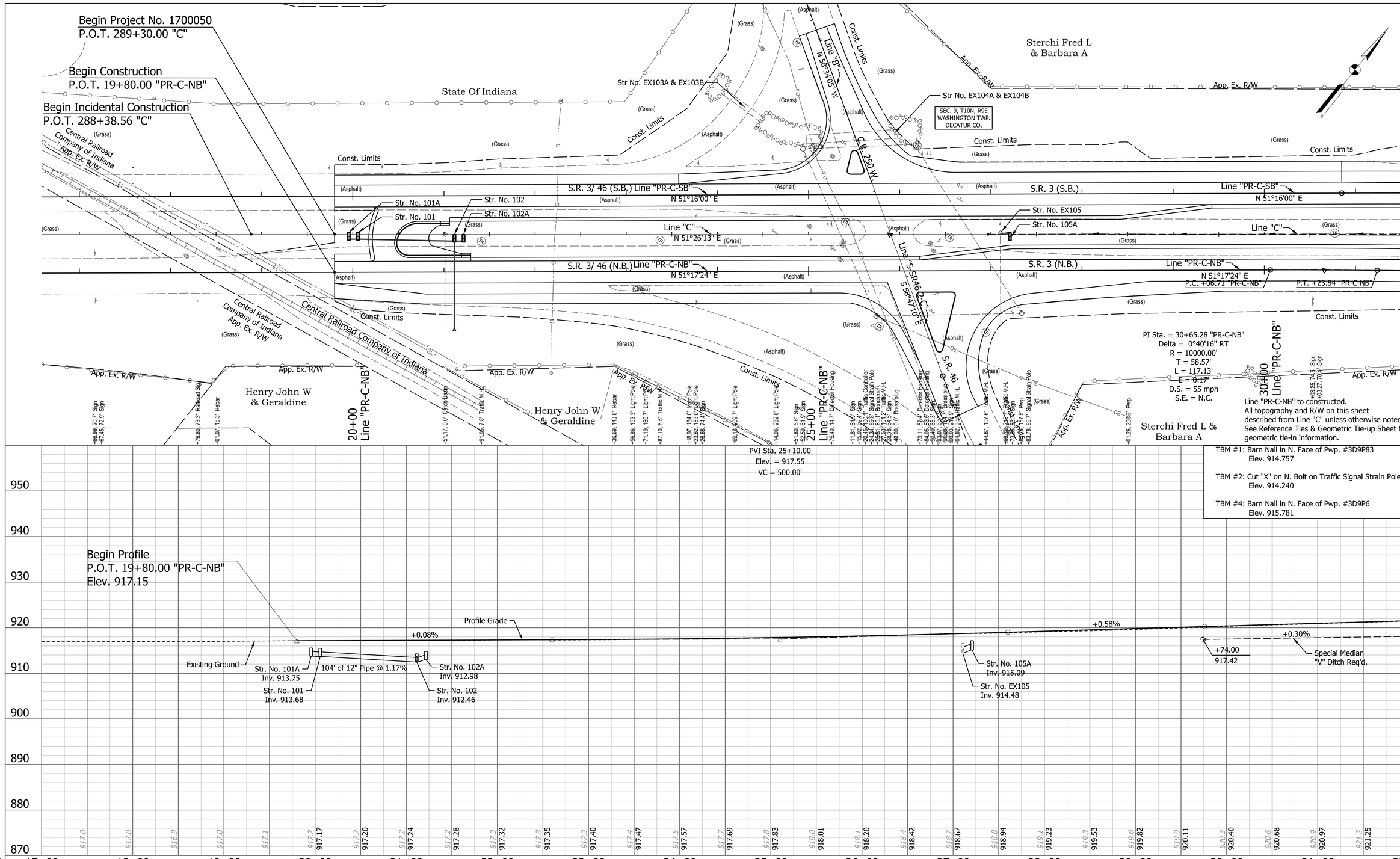

See Geometric Tie-Up Sheet for Control Points

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	32 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht PlanProf_50_03.dgn
MODEL NAME: Sht PlanProf_50_03
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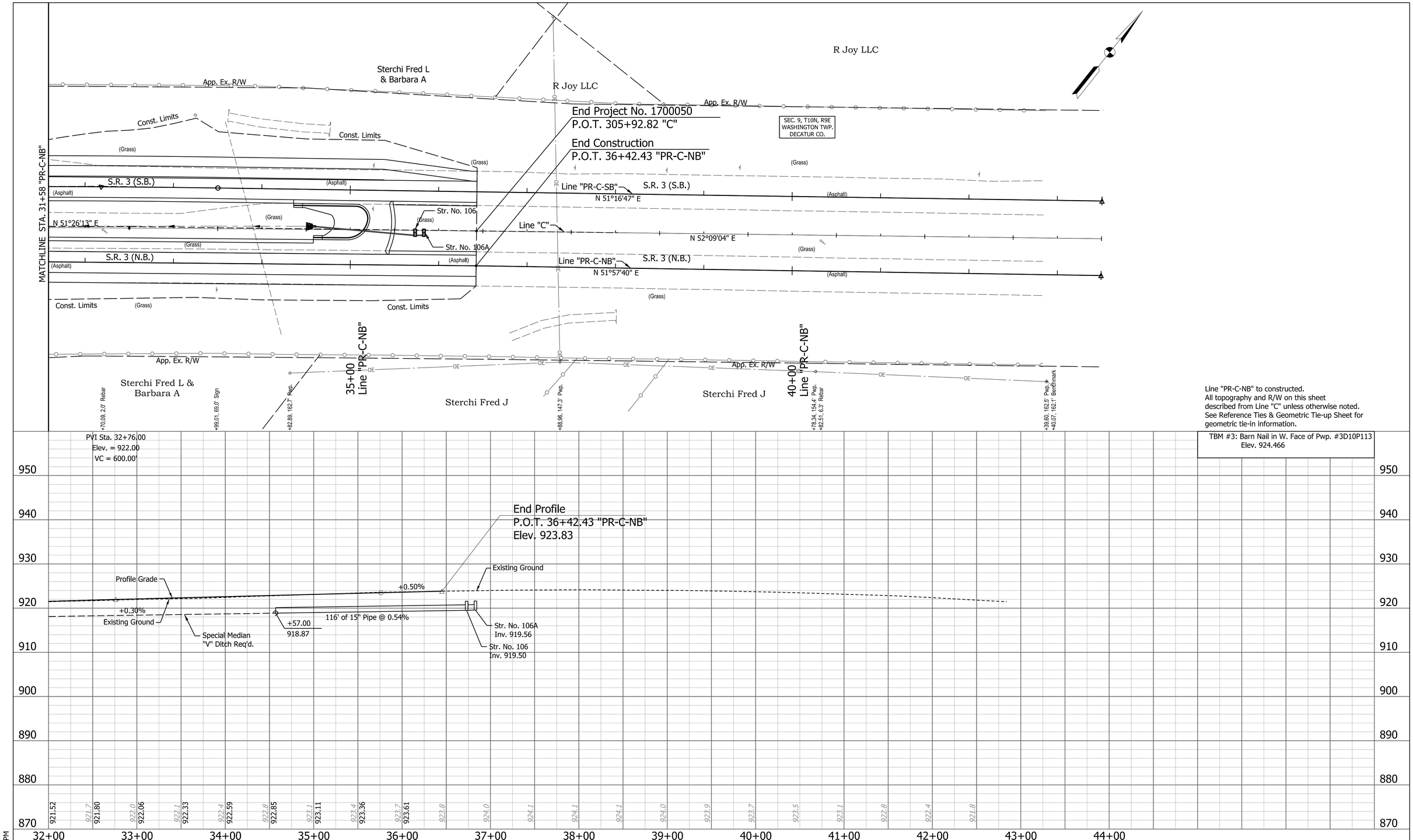

Line "PR-C-NB" to constructed.
All topography and R/W on this sheet described from Line "C" unless otherwise noted.
See Reference Ties & Geometric Tie-up Sheet for geometric tie-in information.

TBM #3: Barn Nail in W. Face of Pwp. #3D10P113
Elev. 924.466

See Geometric Tie-Up Sheet for Control Points

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50' / BRIDGE FILE N/A
		VERTICAL SCALE 1" = 10' / DESIGNATION 1700050
DESIGNED: CJC / DRAWN: DLM	PLAN & PROFILE STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"	SURVEY BOOK / SHEETS 33 of 98
CHECKED: PAW / CHECKED: PAW		CONTRACT T-40427 / PROJECT 1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht PlanProf_50_04.dgn
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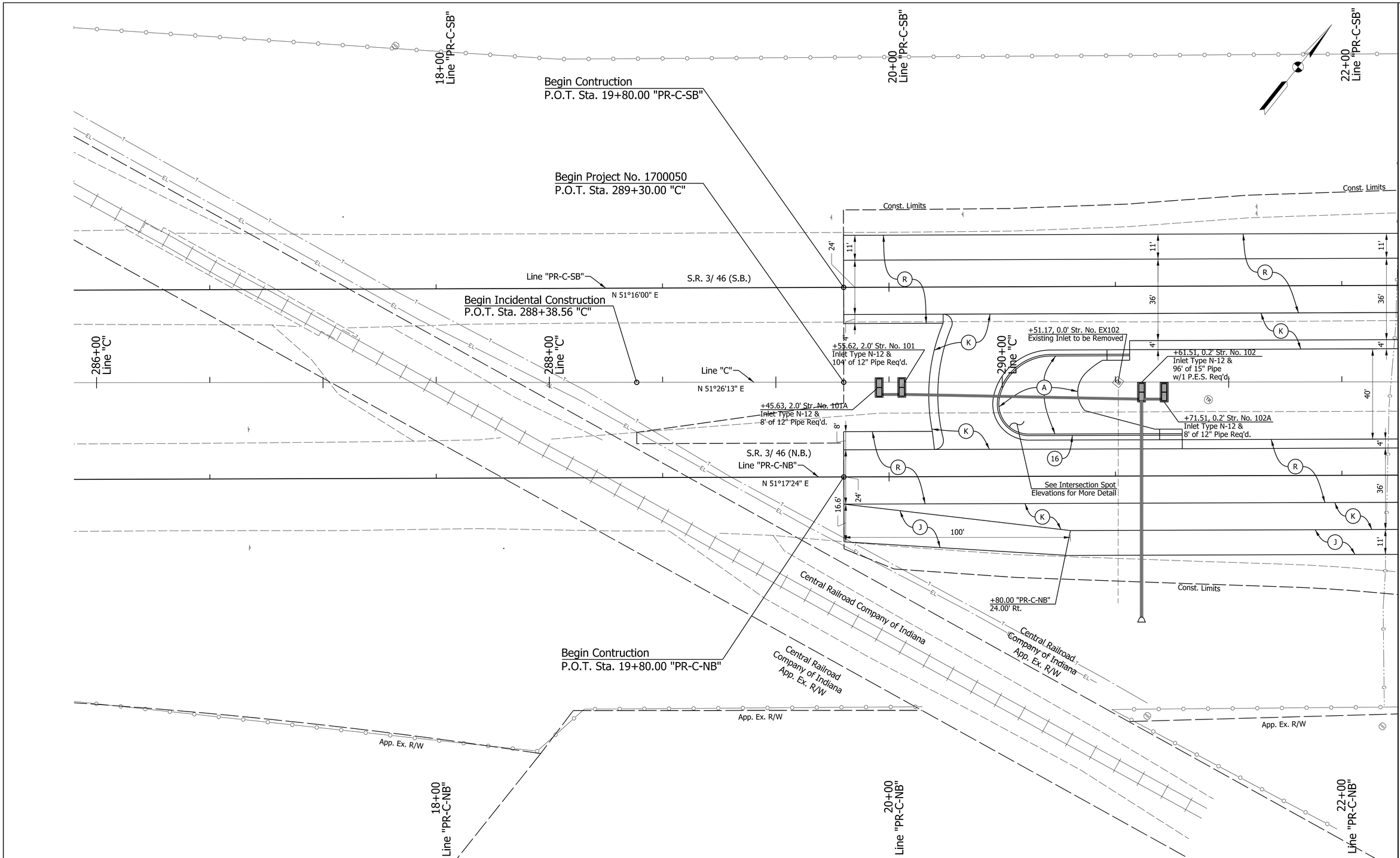
TIME PLOTTED: 7:42:15 PM



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MODEL NAME: Sht ConstDet_01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:25 PM

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

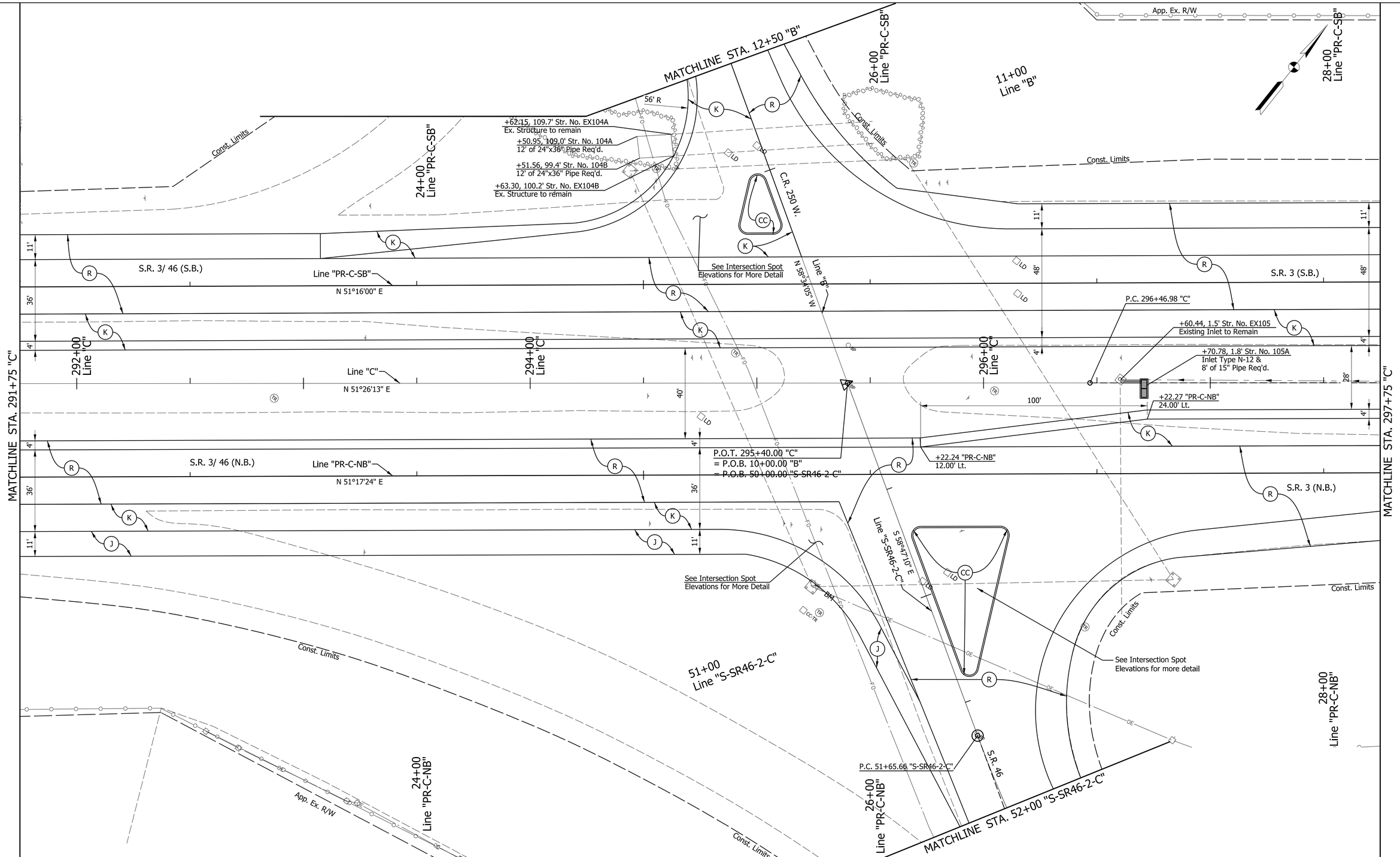
DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	34 of 98
CONTRACT	PROJECT
T-40427	1700050



LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	35 of 98
CONTRACT	PROJECT
T-40427	1700050

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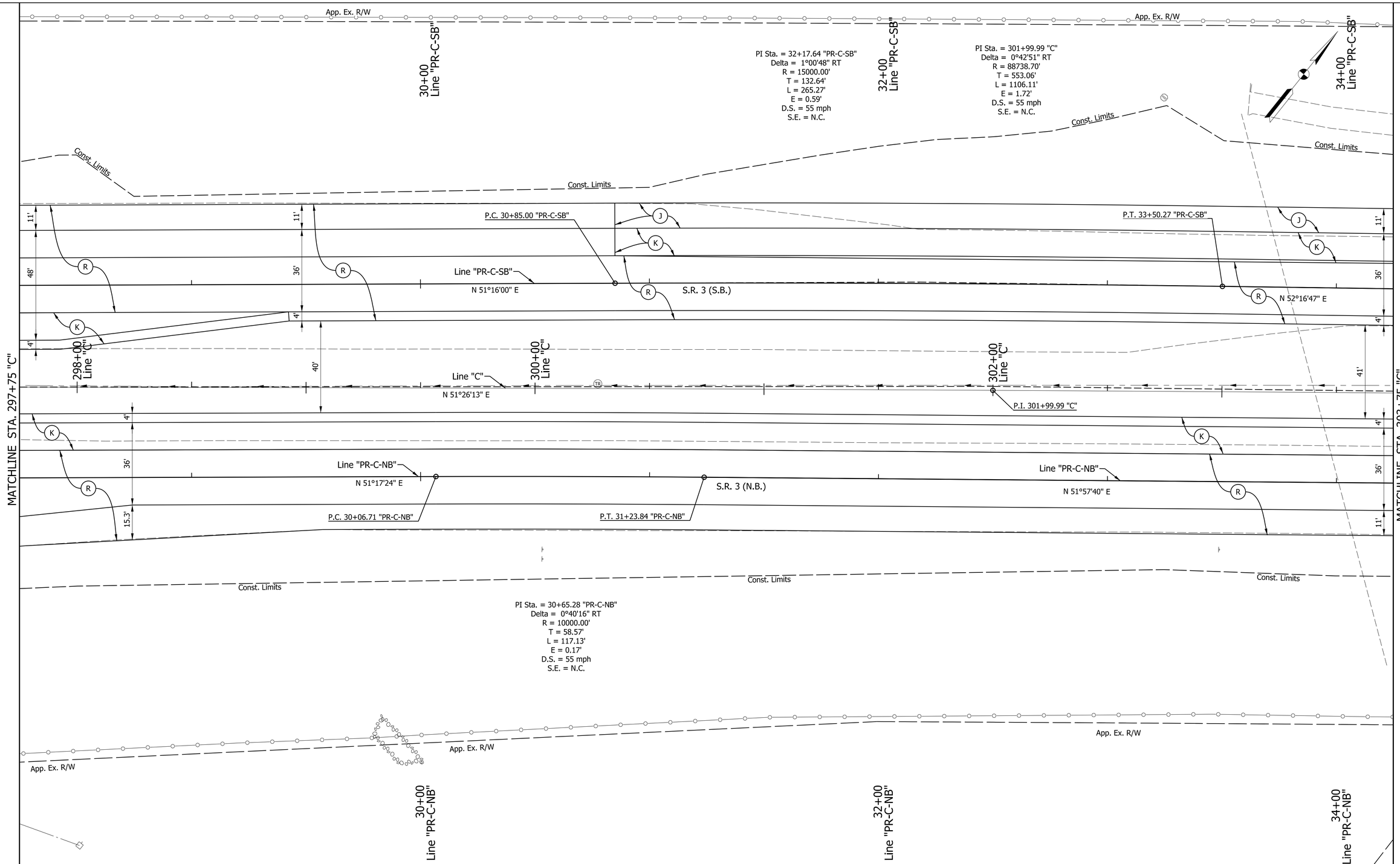

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	36 of 98
CONTRACT	PROJECT
T-40427	1700050

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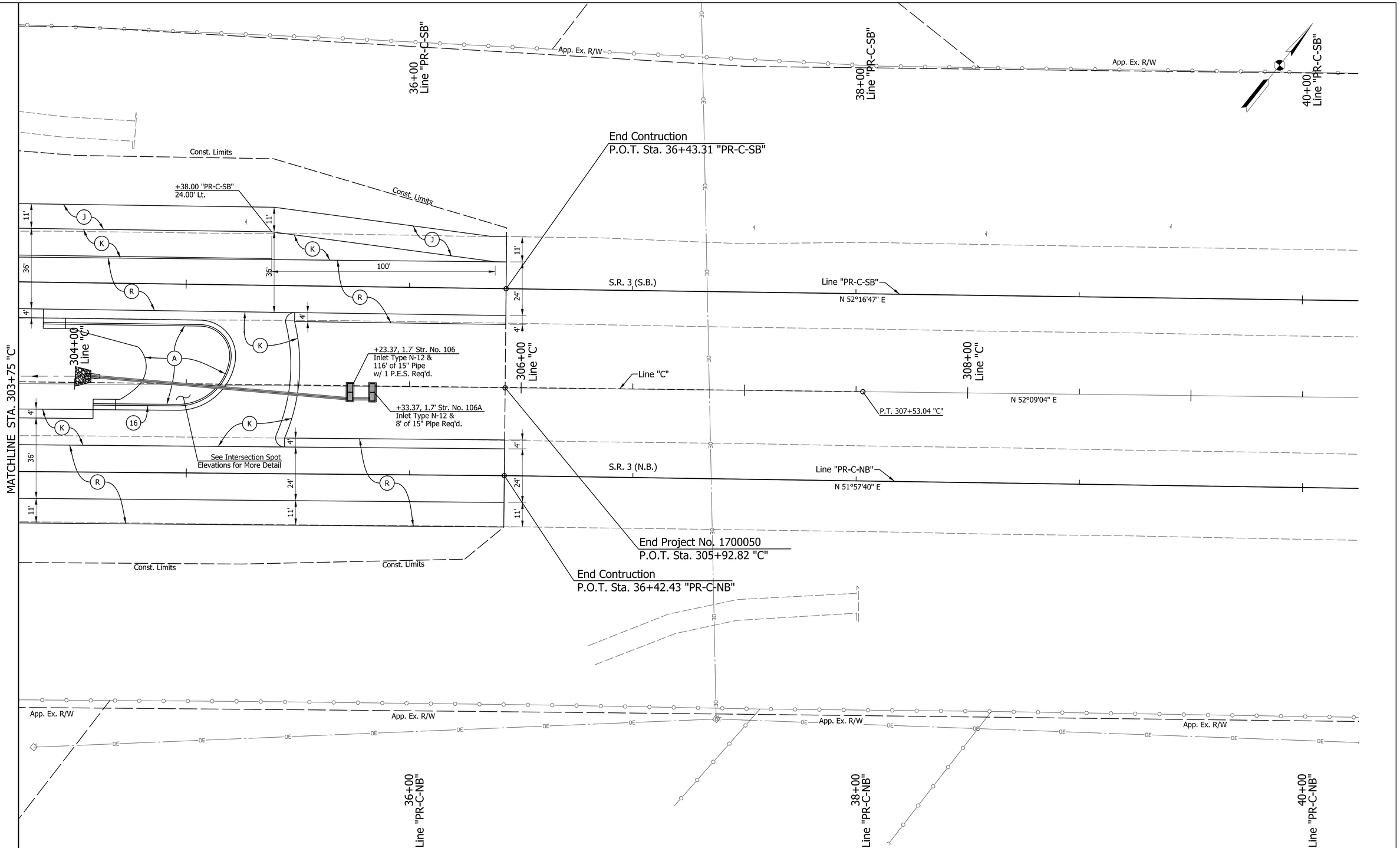

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MODEL NAME: Sht ConstDet_04
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:36 PM

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

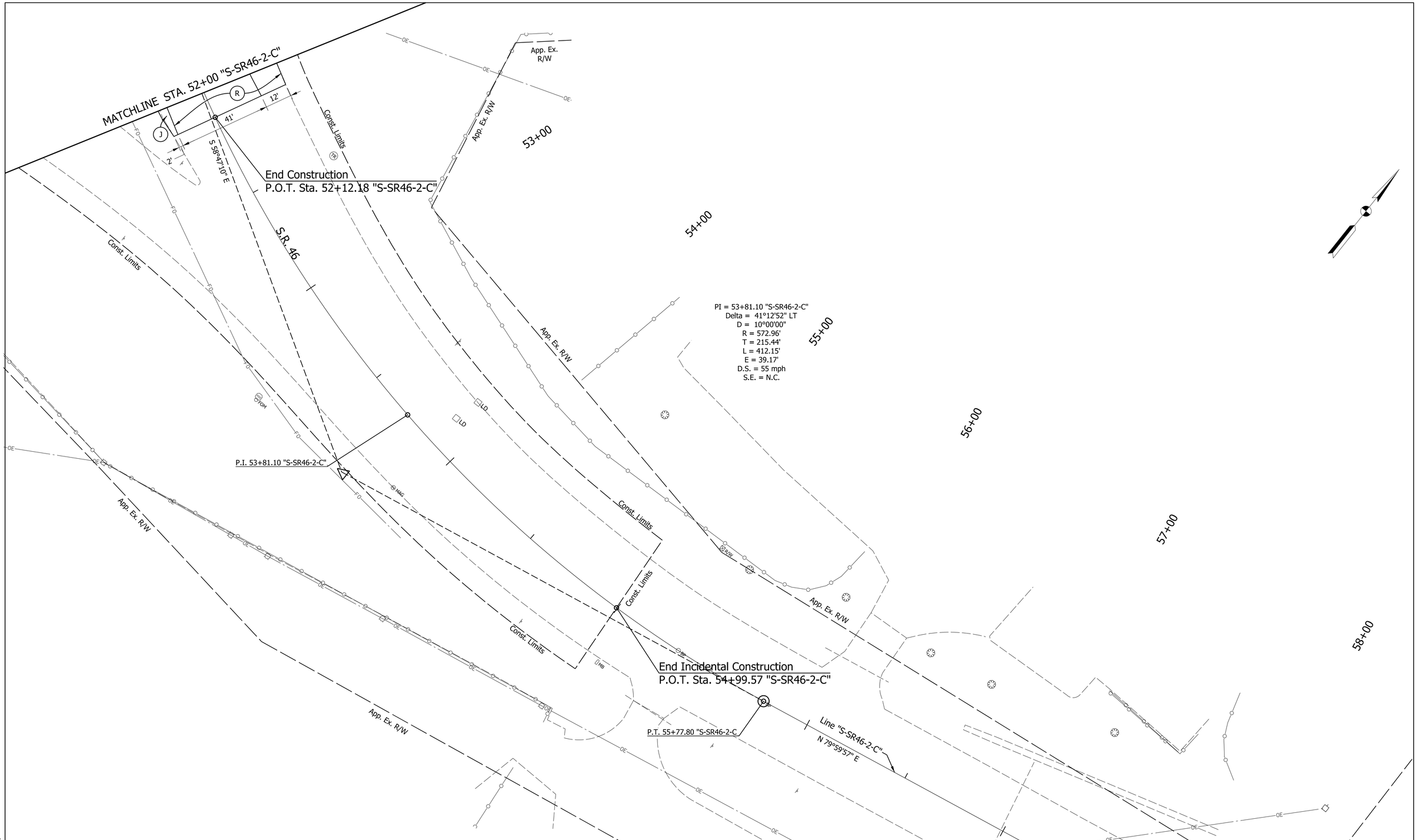
DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	37 of 98
CONTRACT	PROJECT
T-40427	1700050



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MODEL NAME: Sht ConstDet_05
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:39 PM

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM
CHECKED: PAW | CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
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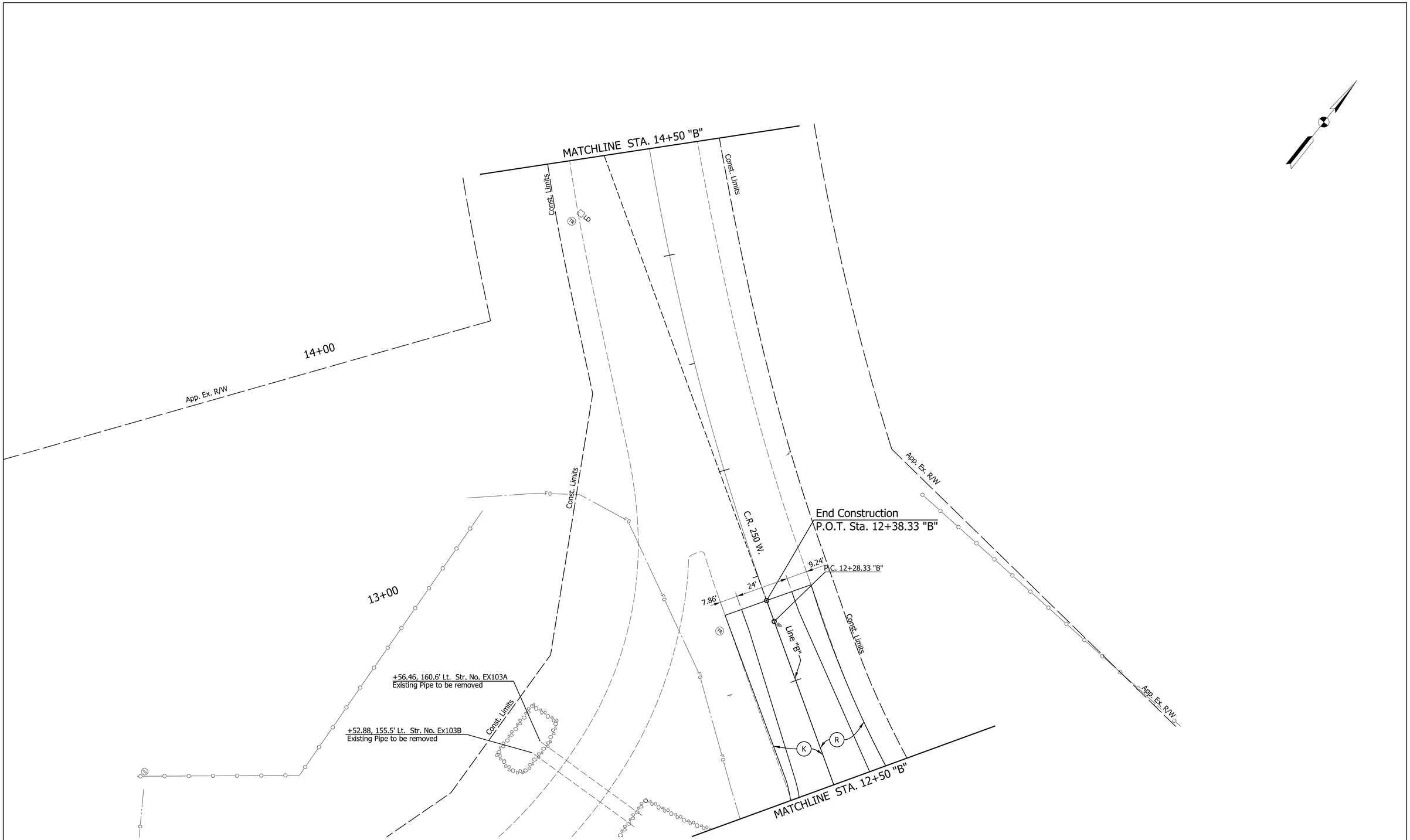
SURVEY BOOK	SHEETS
	38 of 98
CONTRACT	PROJECT
T-40427	1700050



LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050

SURVEY BOOK	SHEETS
	39 of 98
CONTRACT	PROJECT
T-40427	1700050

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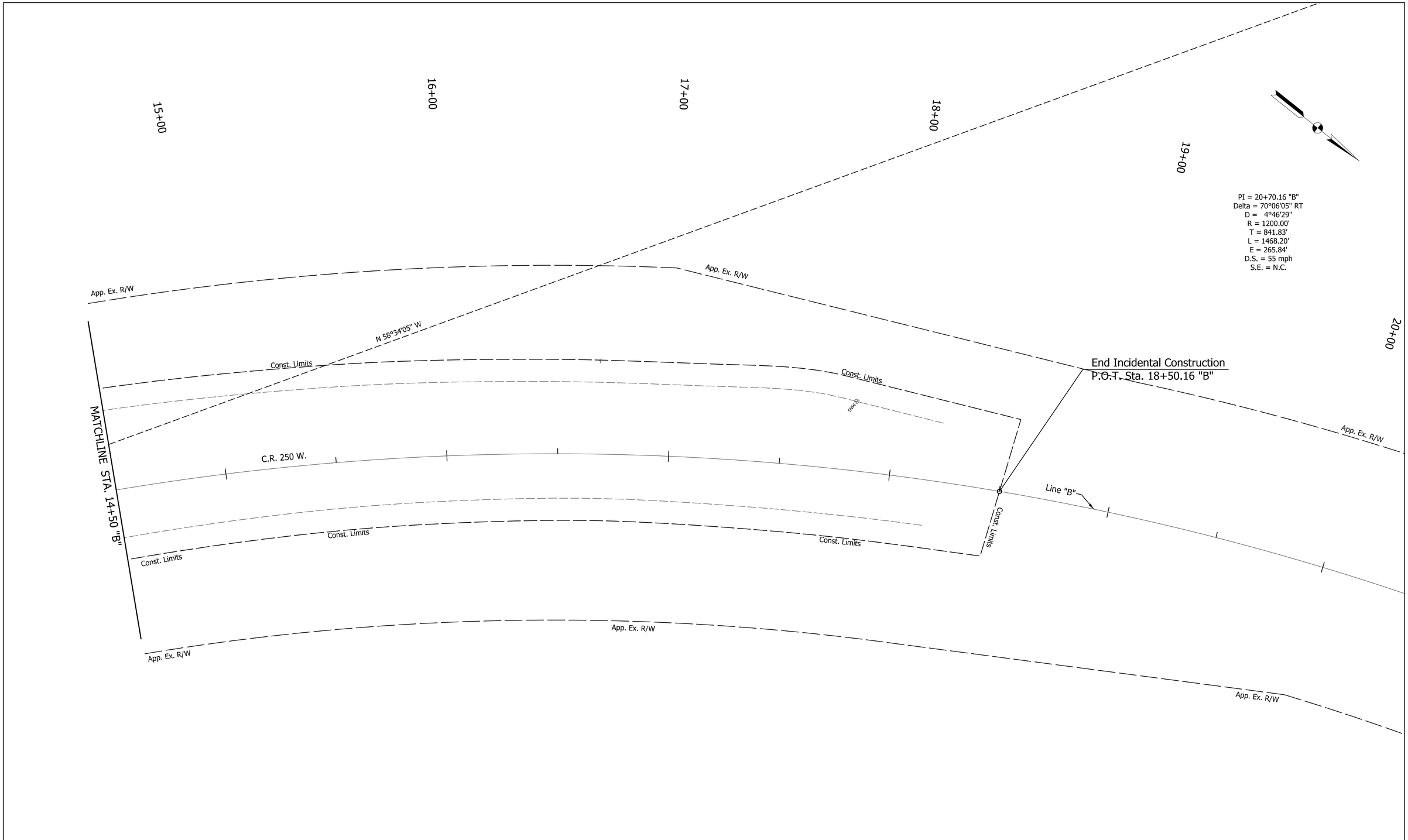
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:43 PM



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MODEL NAME: Sht ConstDet_07
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:45 PM

LEGEND

(K) 165 lb/yd² QC/QA HMA 3, 70, Surface, 9.5mm on 275 lb/yd² HMA Intermediate Type B on 1100 lb/yd² HMA Base Type B on 6" of Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(J) 165 lb/yd² HMA Surface, 9.5mm on 495 lb/yd² HMA Intermediate, 25mm on 14" of Compacted Aggregate No. 53 Subgrade Treatment Type IBC

(A) 8" PCCP, on 12" Compacted Aggregate No. 53 Subgrade Treatment, Type IBC

(R) Milling, Asphalt, 1.5" with 165 lb/yd2 QC/QA HMA 3, 70, Surface, 9.5mm

(CC) Concrete Center Curb, Type B

(16) Concrete Curb & Gutter, Type B

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

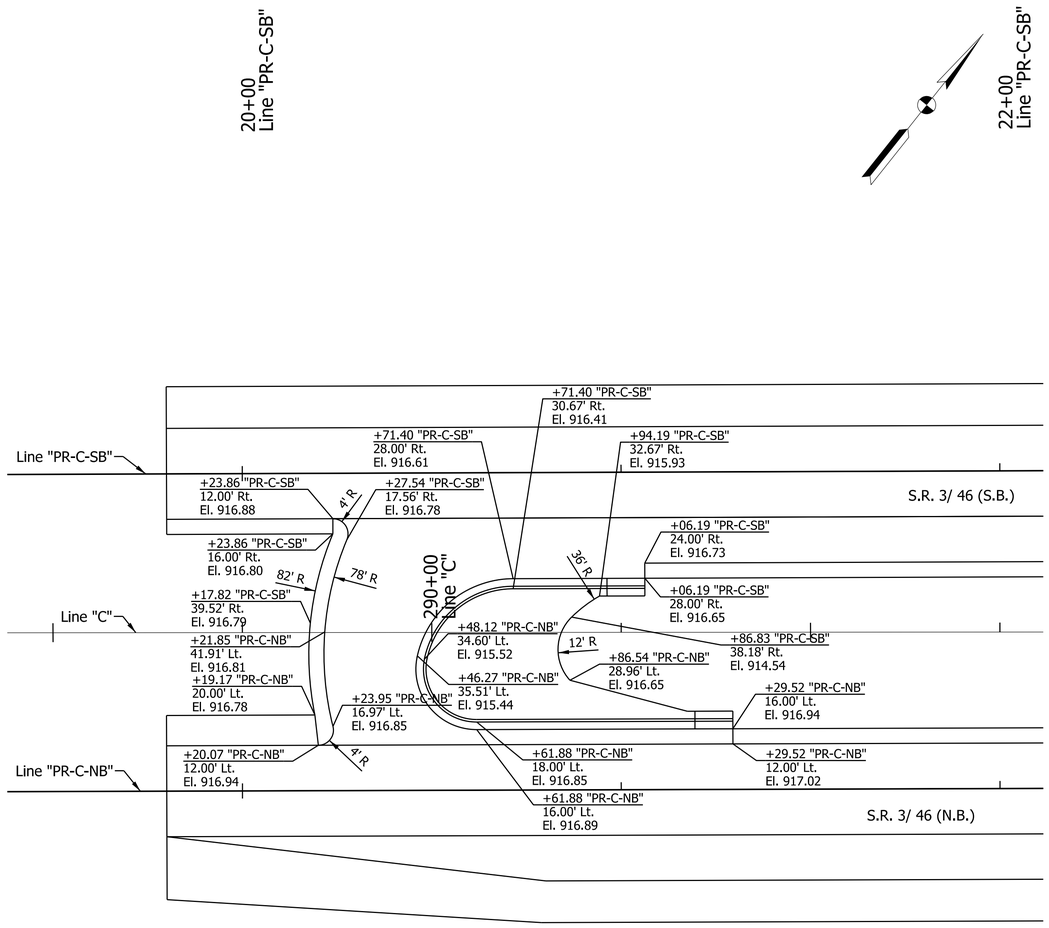
DESIGNED: CJC DRAWN: DLM

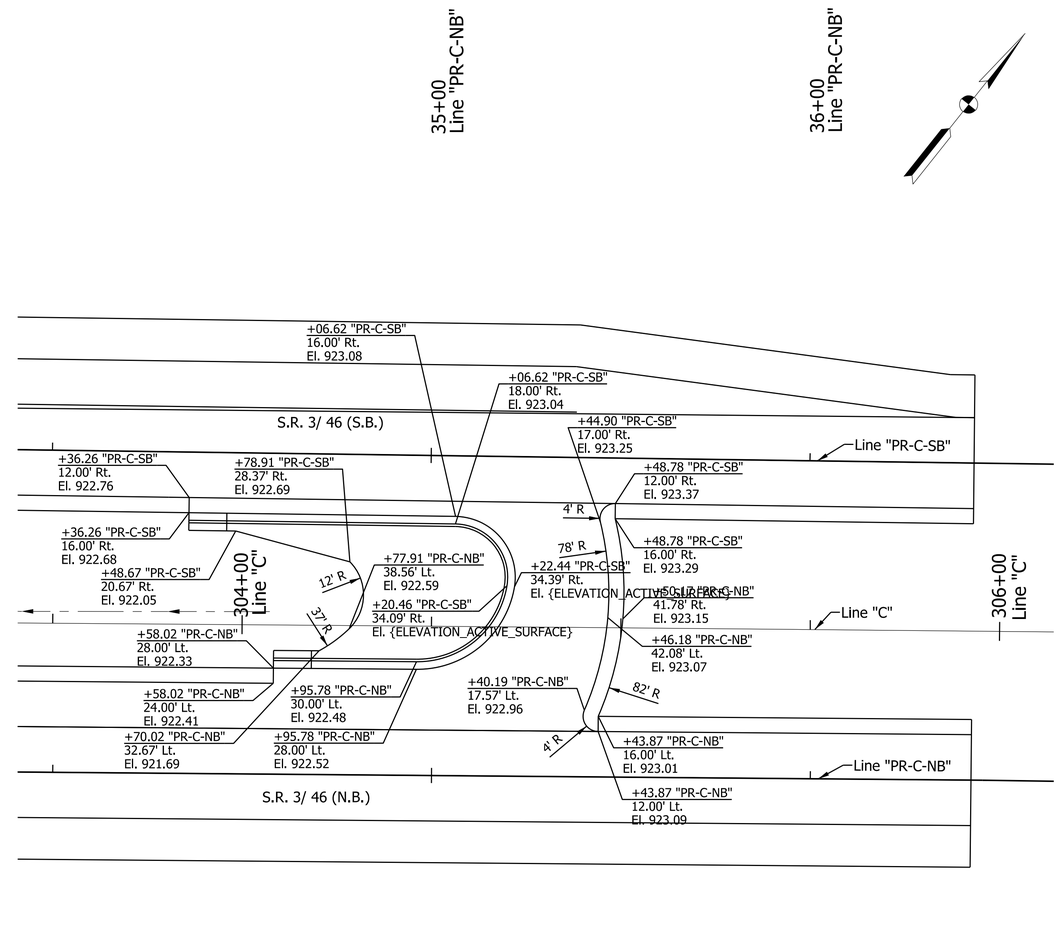
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
STATE ROAD 3 & STATE ROAD 46

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	40 of 98
CONTRACT	PROJECT
T-40427	1700050





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MODEL NAME: ShtSptElev_01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:51 PM

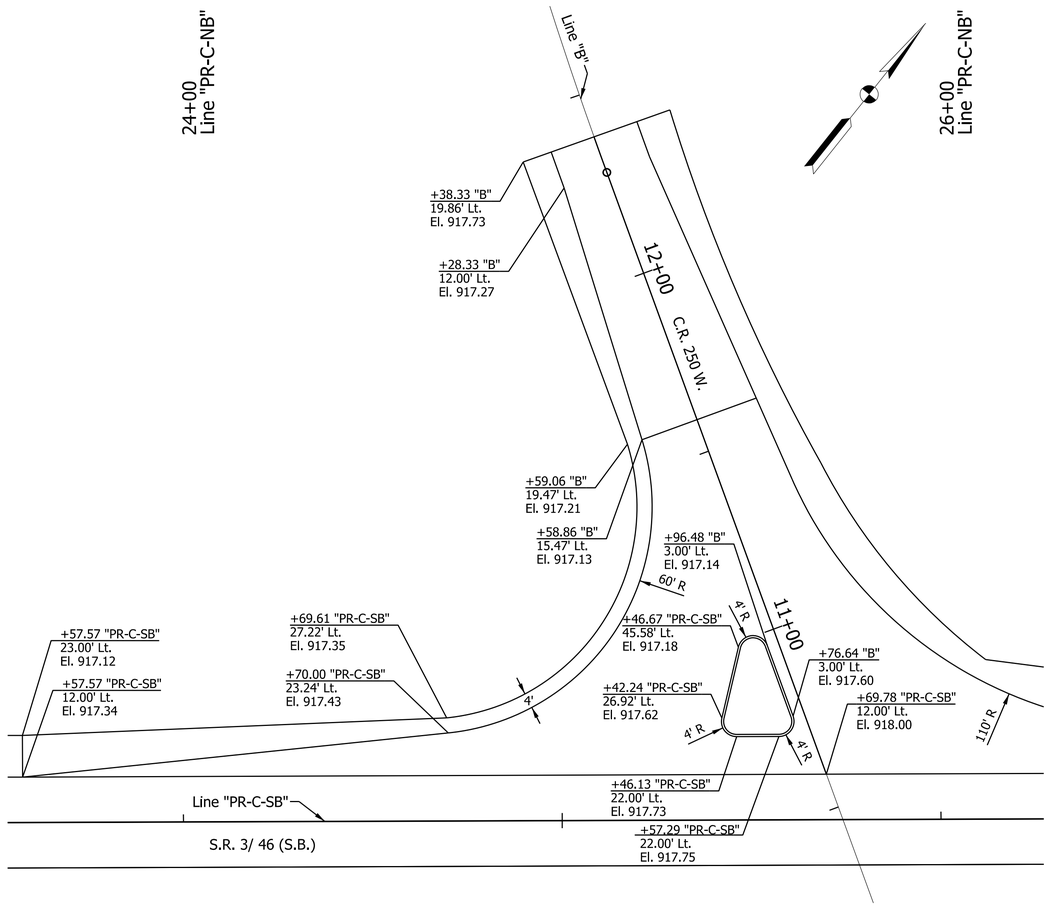
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

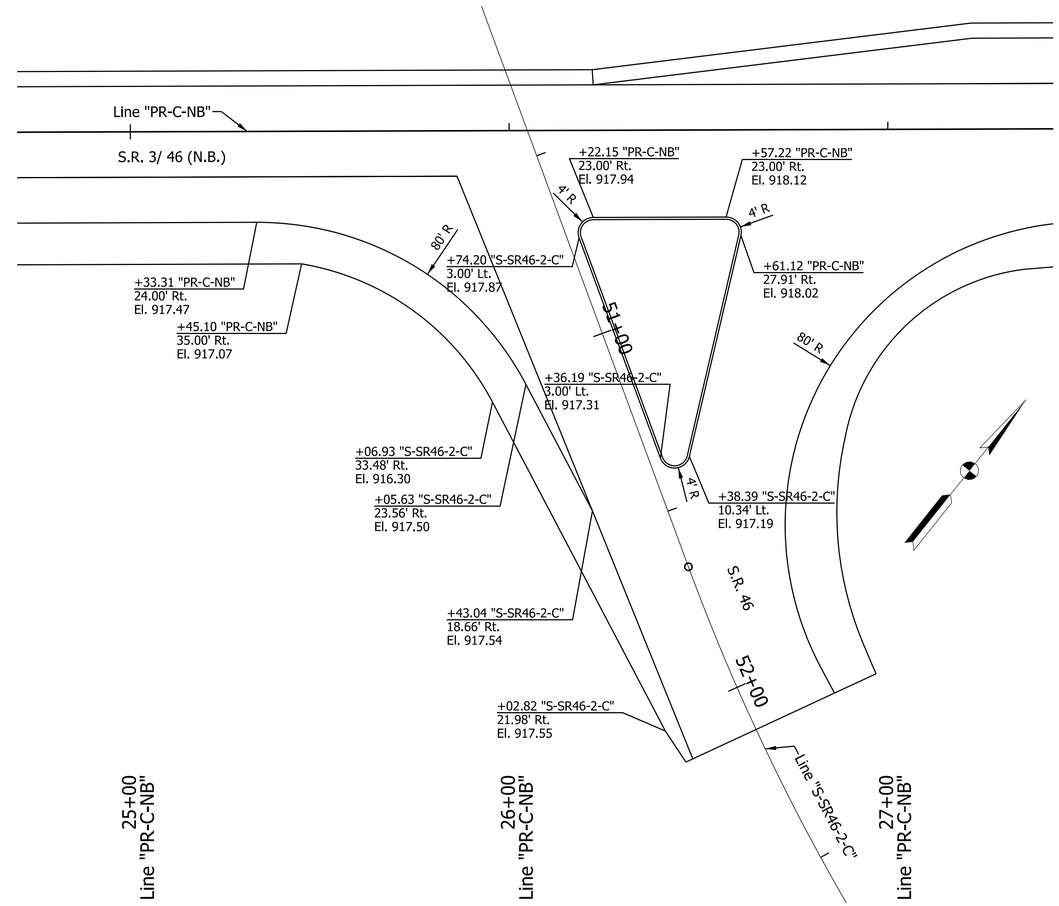
DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

INTERSECTION
SPOT ELEVATION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	41 of 98
CONTRACT	PROJECT
T-40427	1700050





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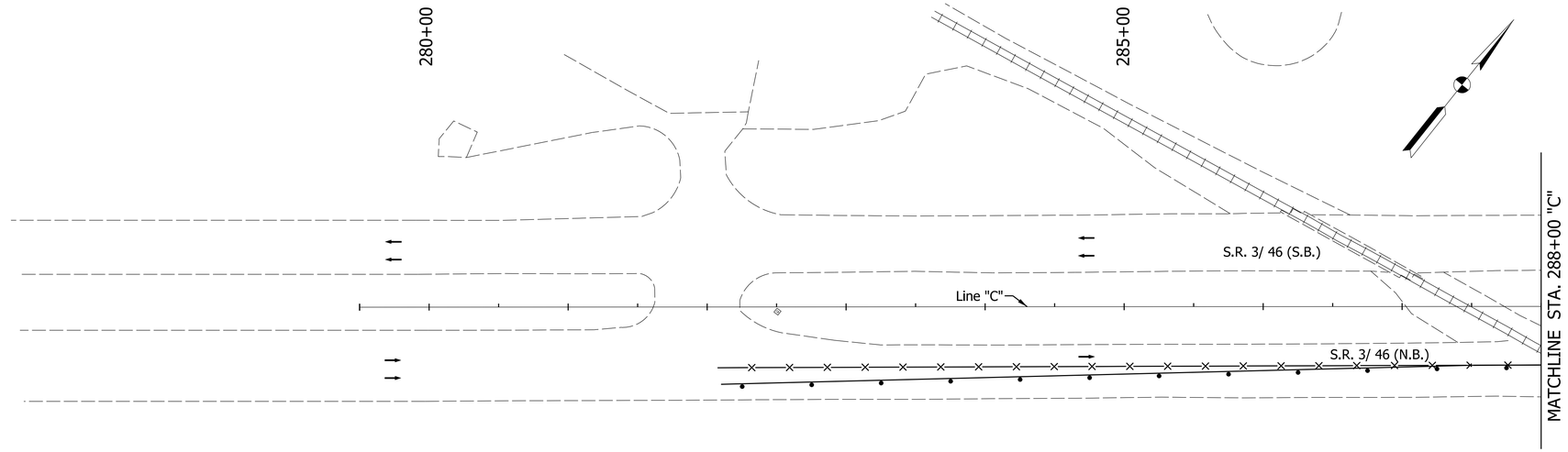
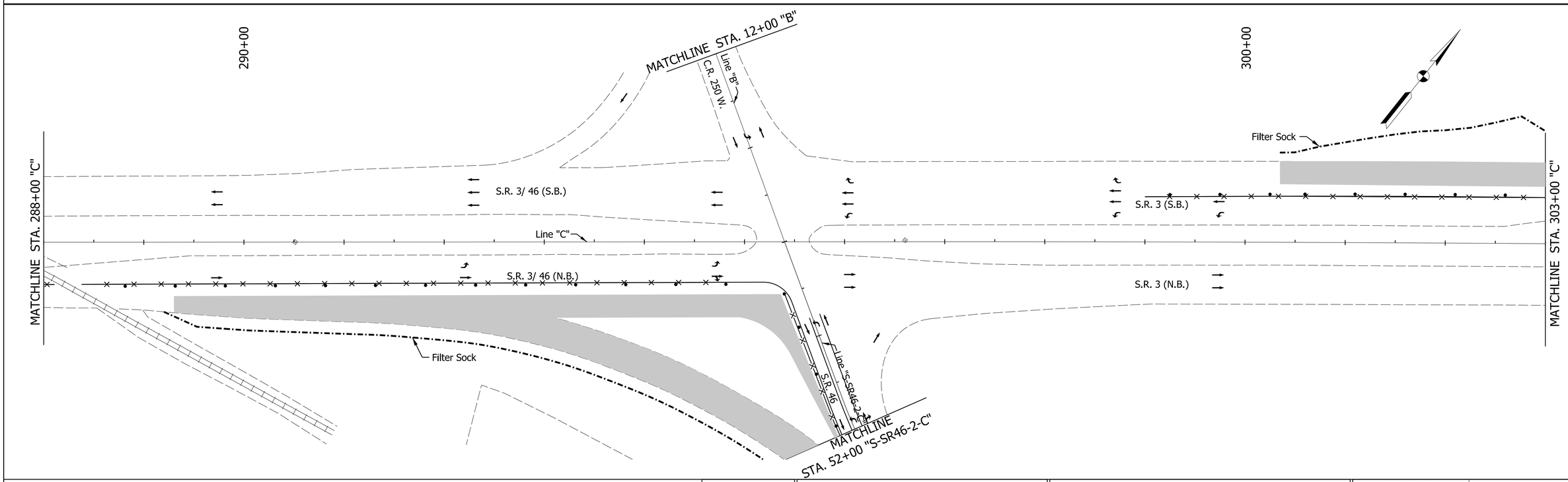
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:42:53 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 20' / BRIDGE FILE: N/A / VERTICAL SCALE: / DESIGNATION: 1700050
DESIGNED: CJC	DRAWN: DLM	INTERSECTION SPOT ELEVATION DETAILS	SURVEY BOOK: / SHEETS: 42 of 98
CHECKED: PAW	CHECKED: PAW		CONTRACT: T-40427 / PROJECT: 1700050





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	43 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 1_01.dgn
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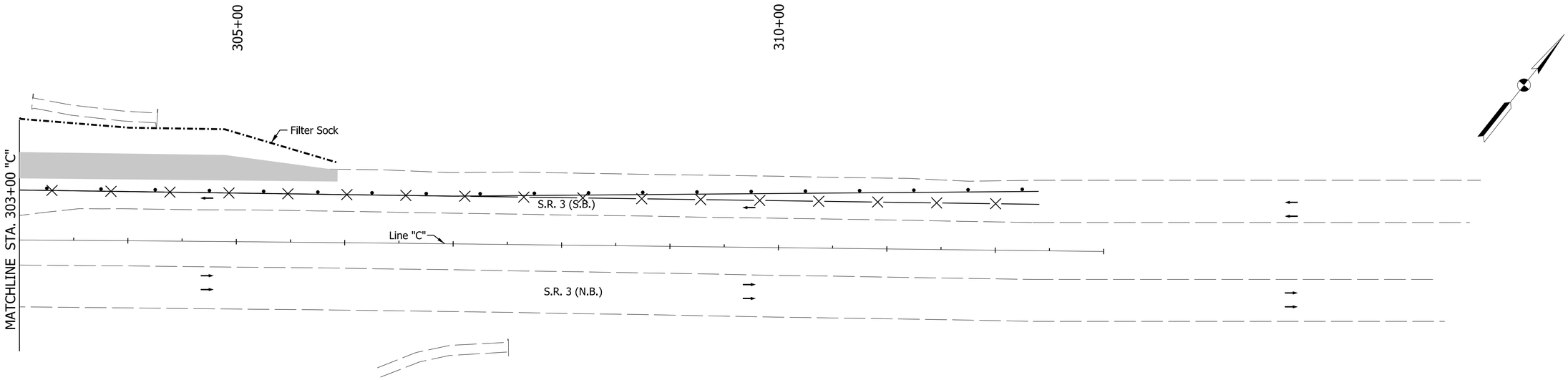
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:04 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM

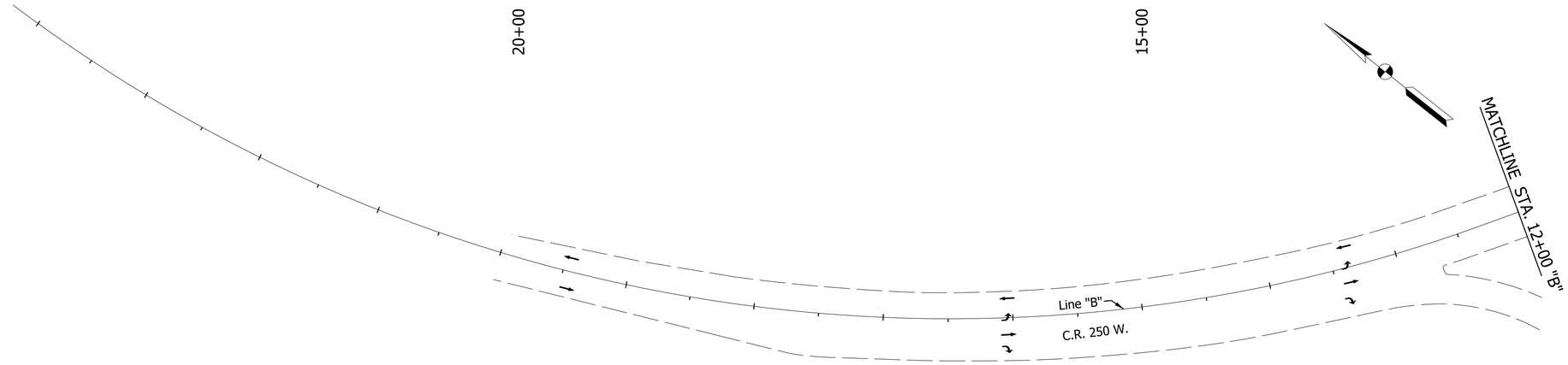
CHECKED: PAW | CHECKED: PAW

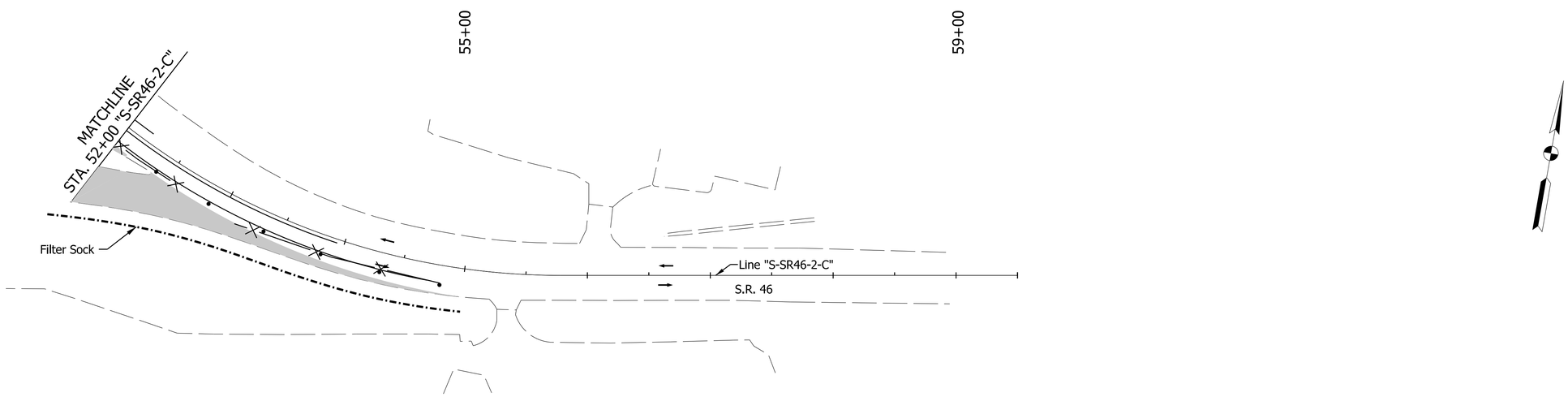
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	44 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 1_02.dgn
MODEL NAME: TEC01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:08 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

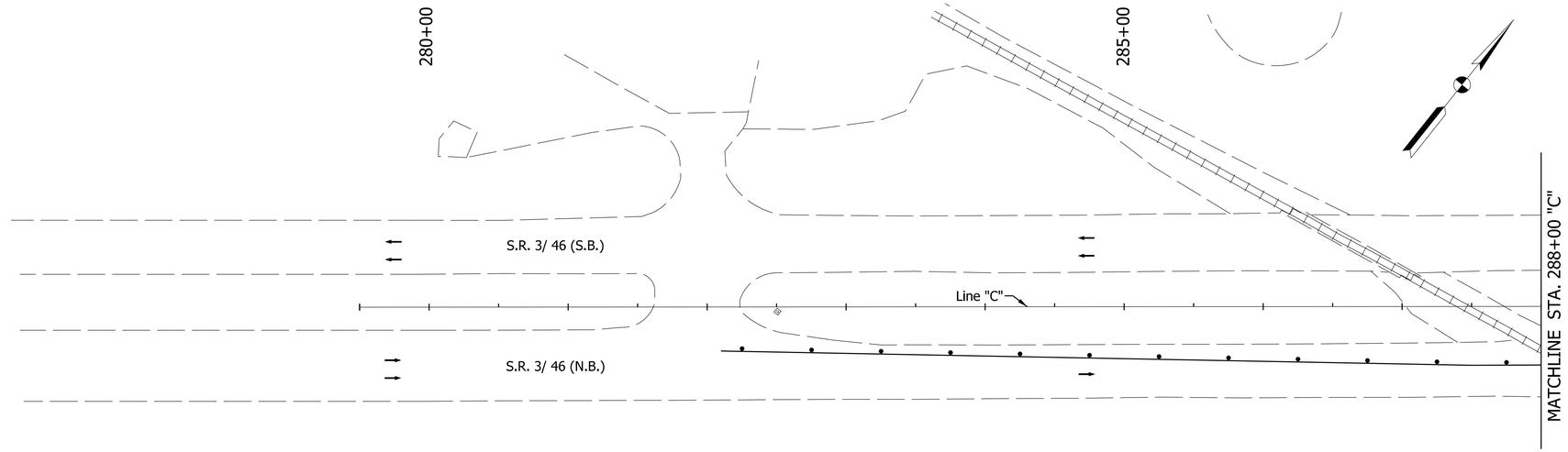
CHECKED: PAW CHECKED: PAW

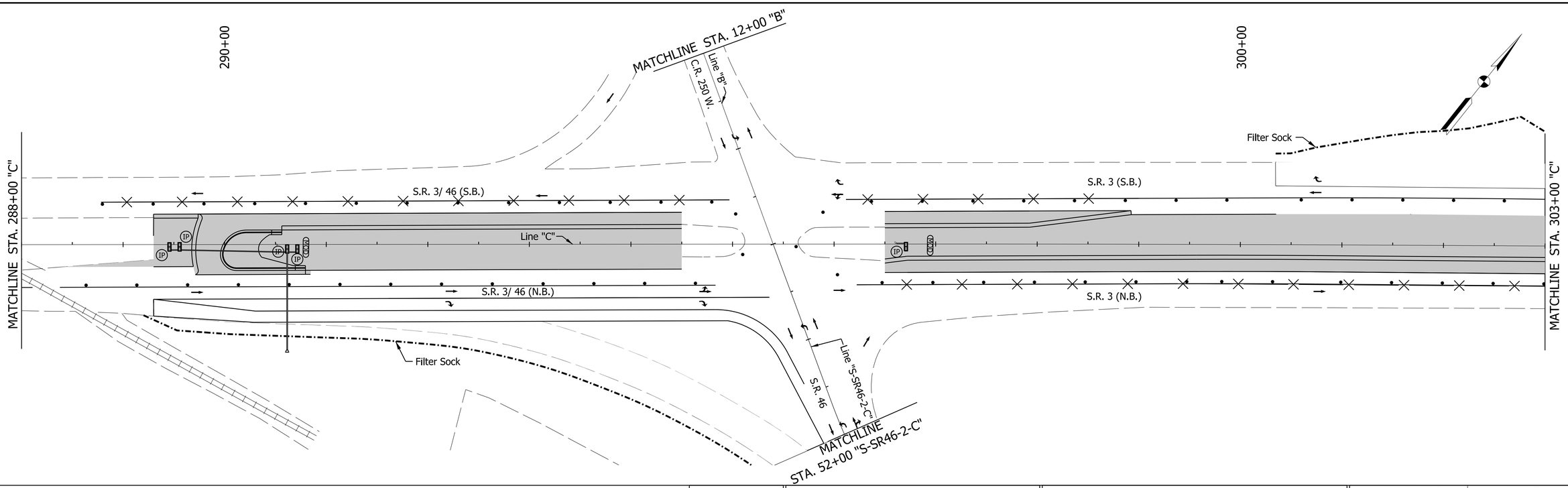
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	45 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 1_03.dgn
MODEL NAME: TEC01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:12 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

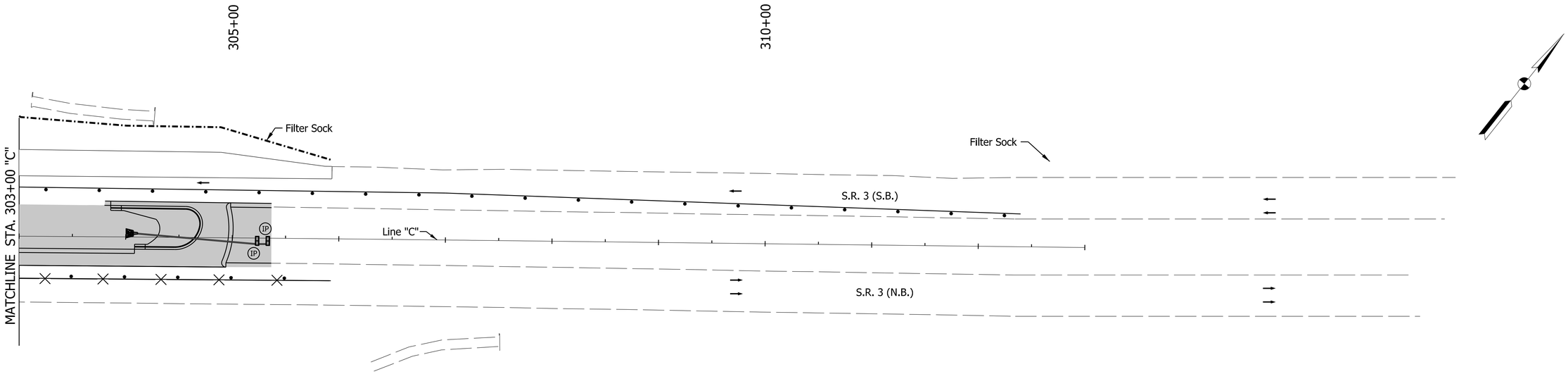
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	46 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 2_01.dgn
MODEL NAME: TEC02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:24 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

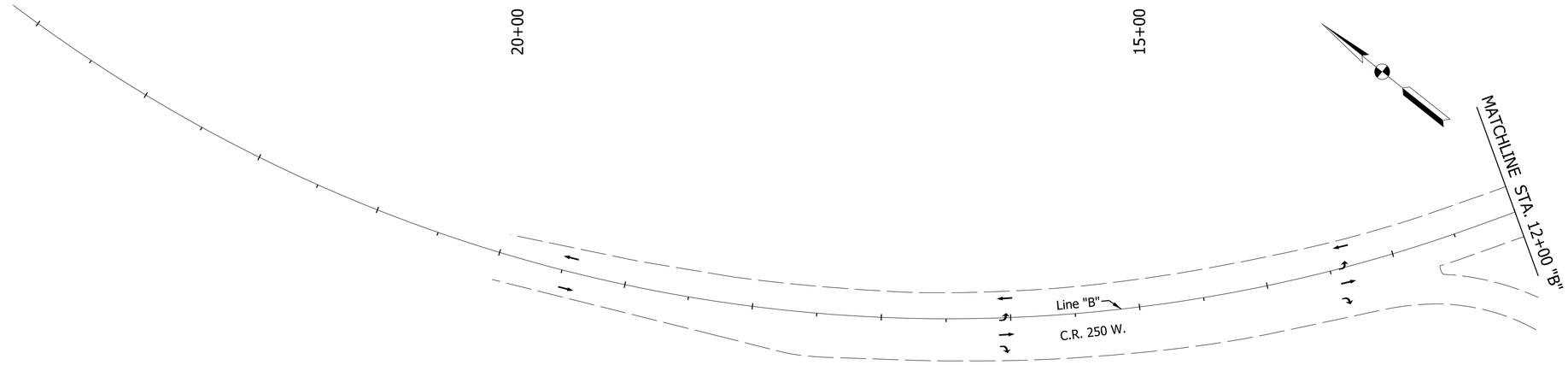
CHECKED: PAW CHECKED: PAW

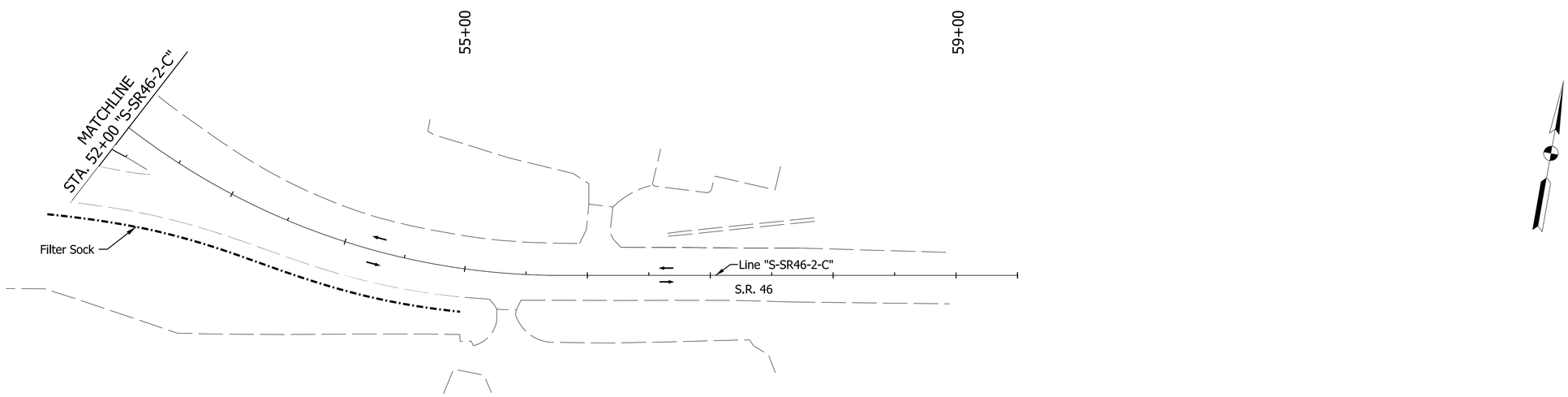
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	47 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 2_02.dgn
MODEL NAME: TEC02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:28 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

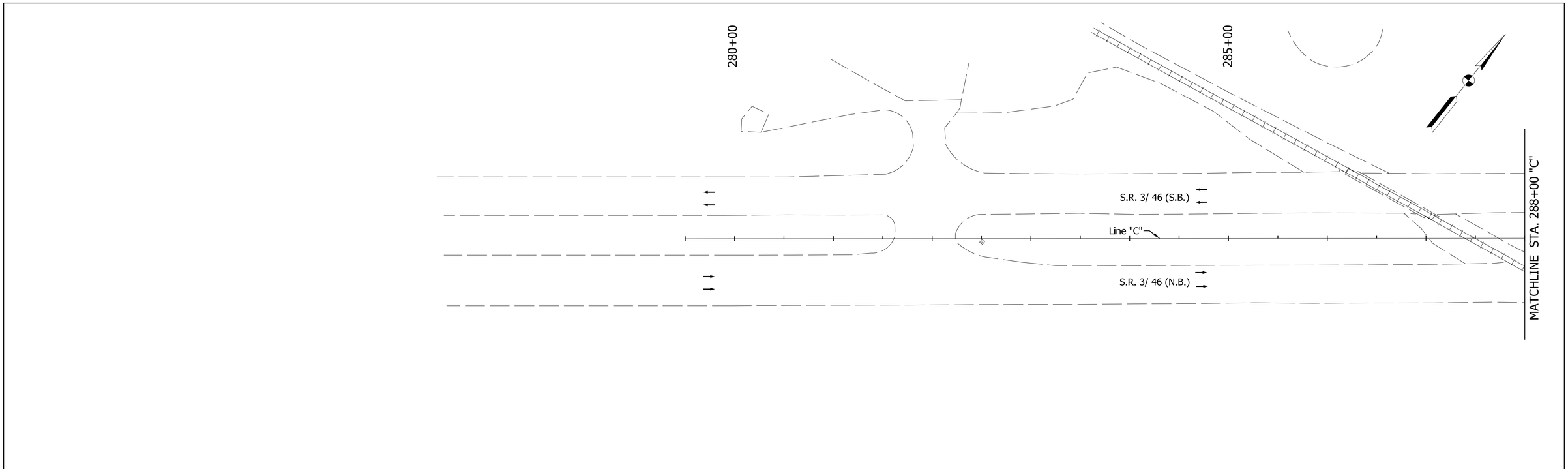
CHECKED: PAW CHECKED: PAW

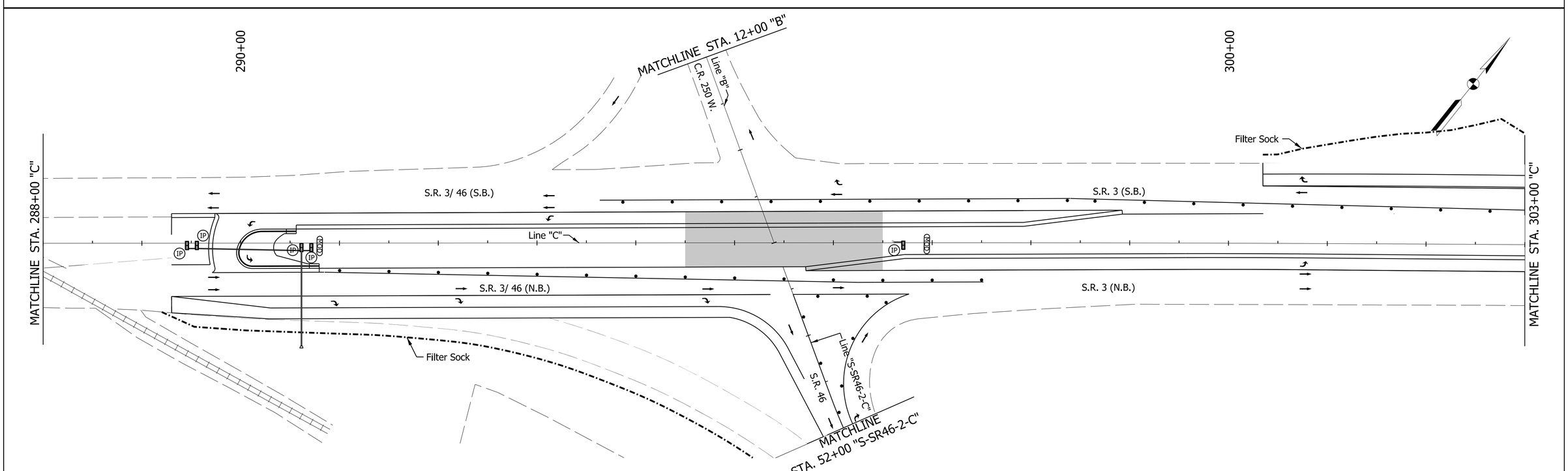
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	48 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 2_03.dgn
MODEL NAME: TEC02
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:31 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	49 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 3_01.dgn
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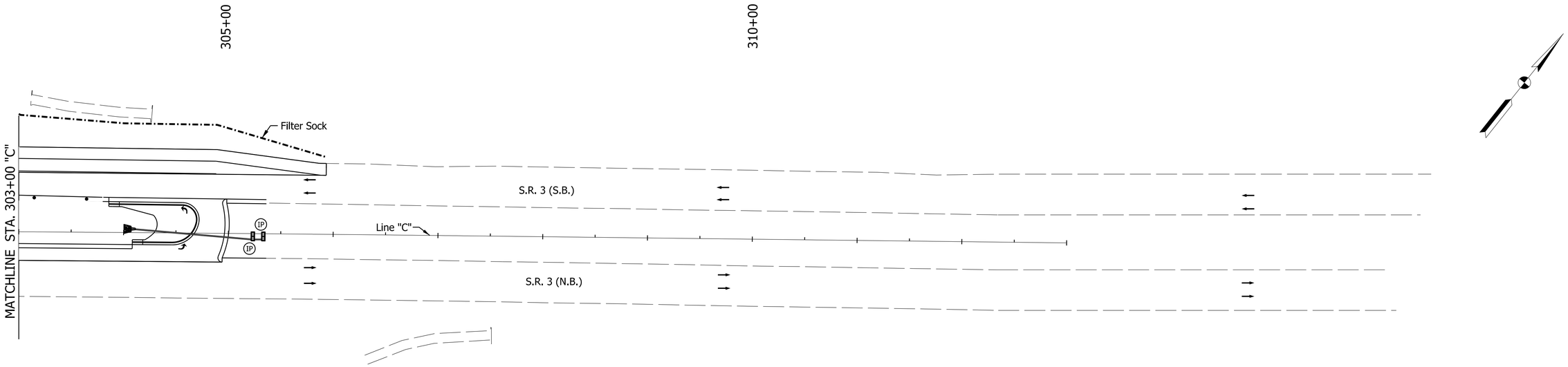
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:41 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM

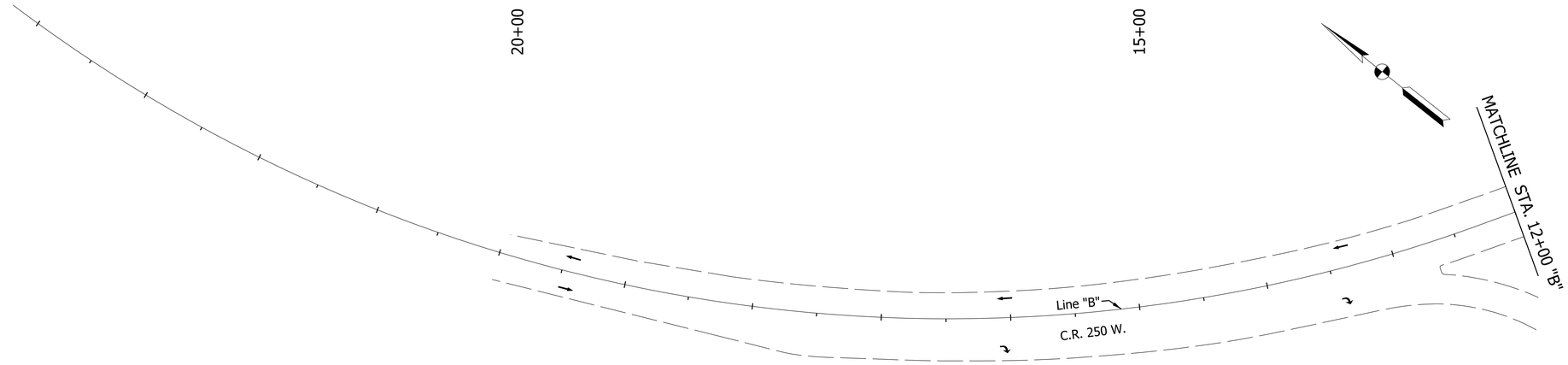
CHECKED: PAW | CHECKED: PAW

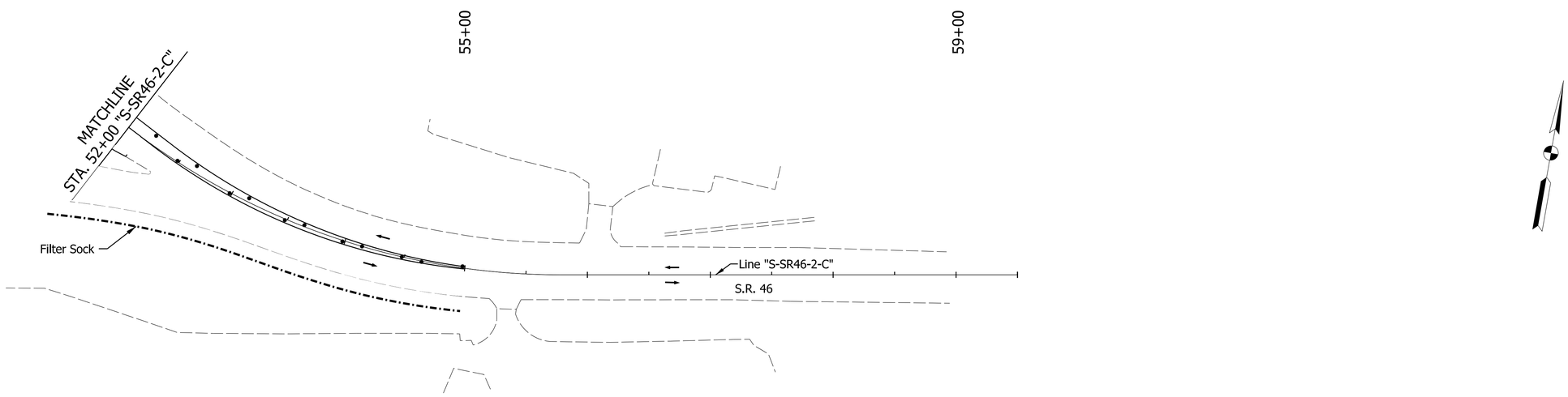
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	50 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 3_02.dgn
MODEL NAME: TEC03
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:43:45 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	51 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 3_03.dgn
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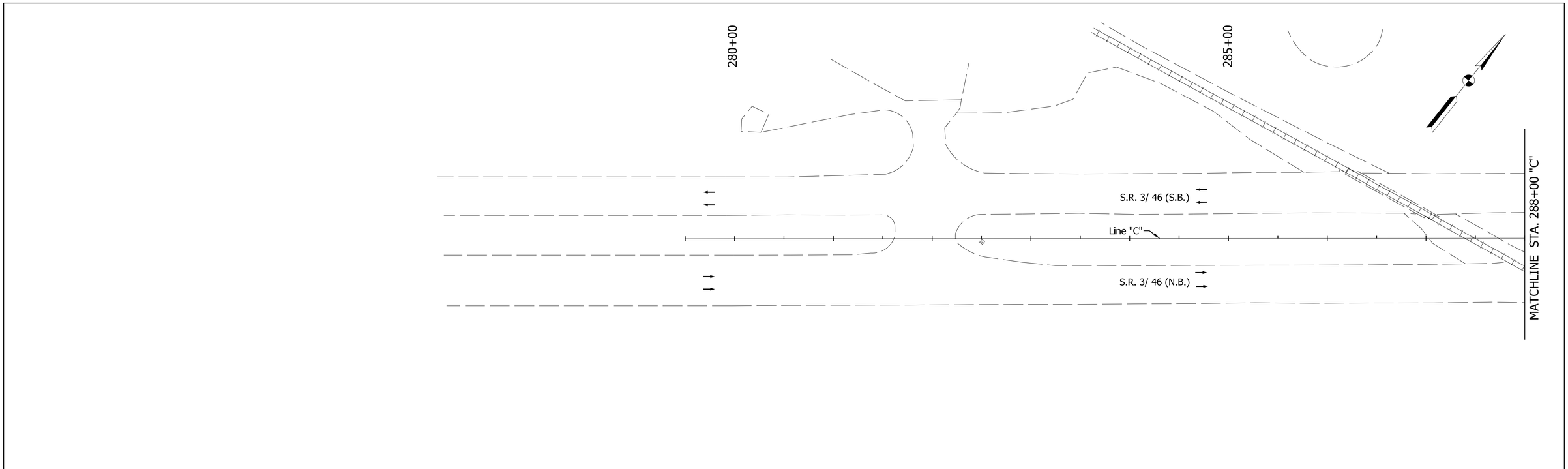
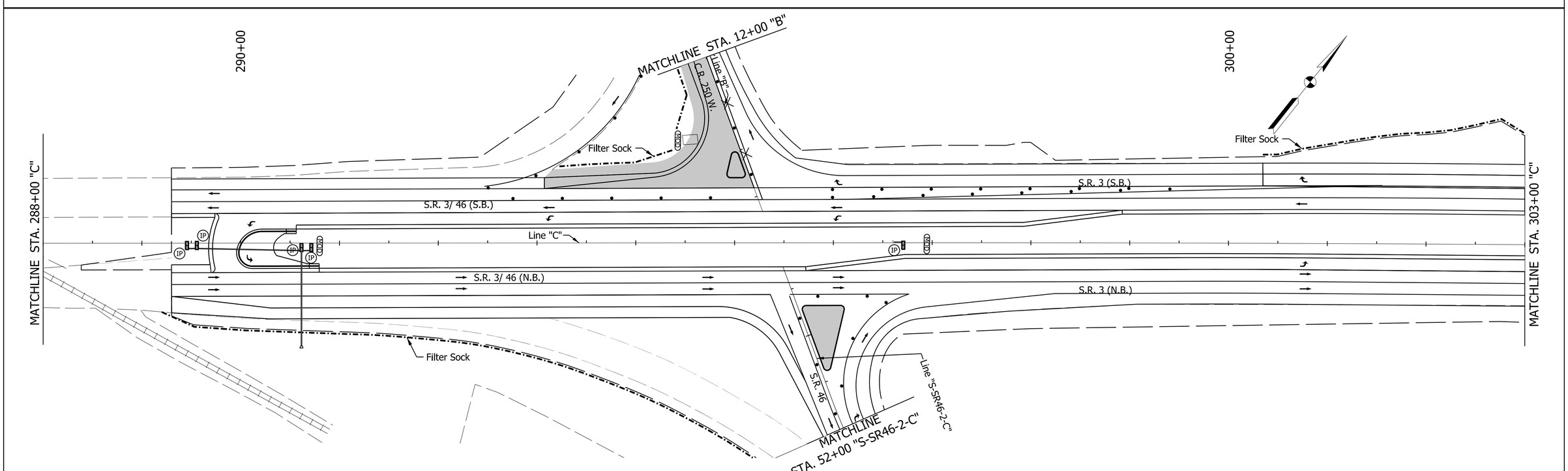
TIME PLOTTED: 7:43:51 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

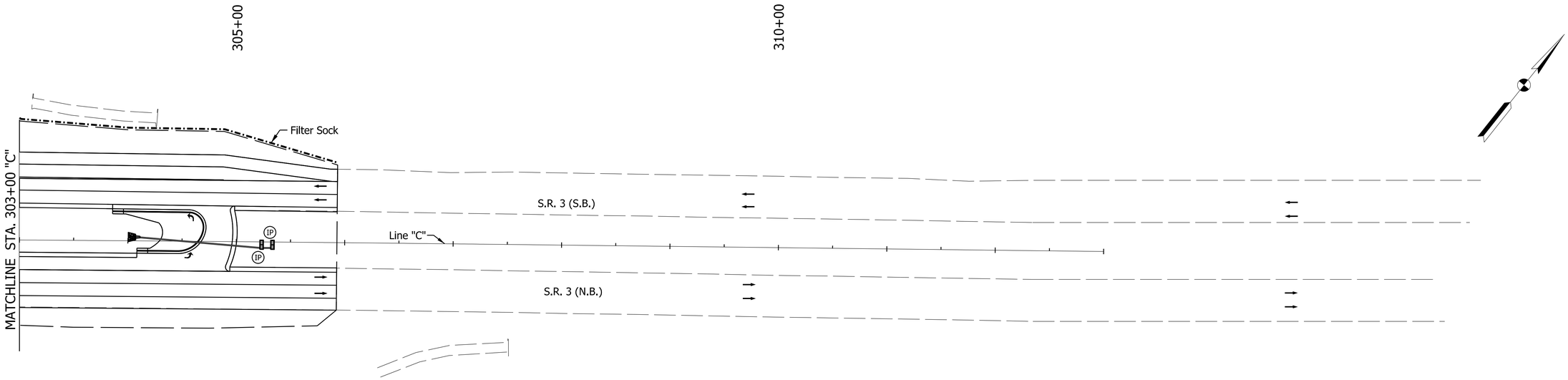
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	52 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 4_01.dgn
MODEL NAME: TEC04
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:01 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM

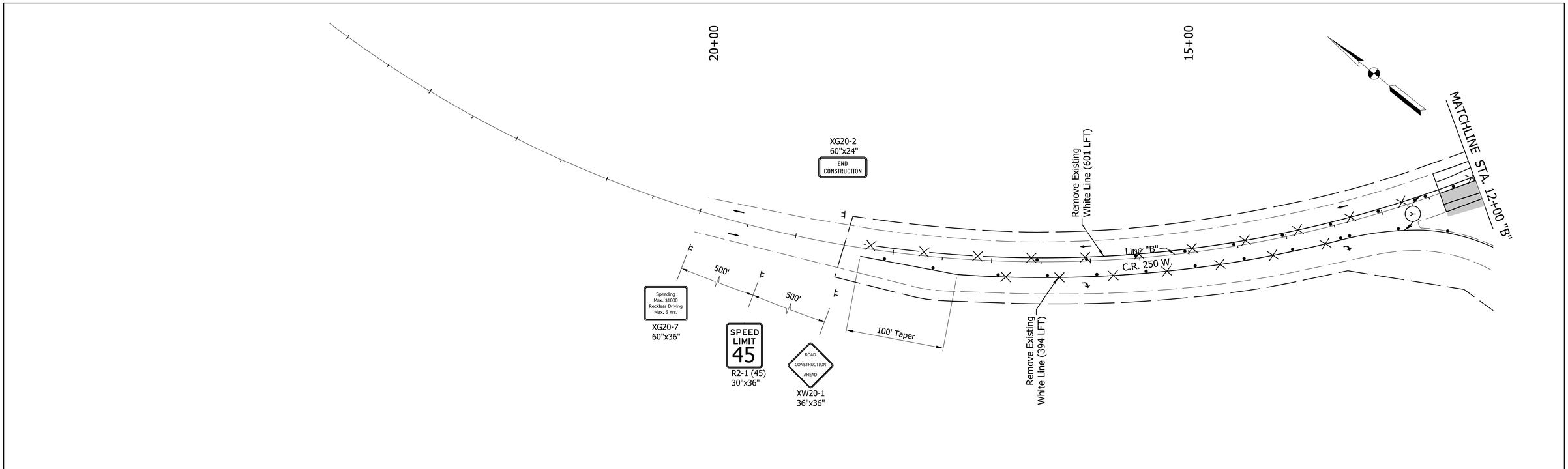
CHECKED: PAW | CHECKED: PAW

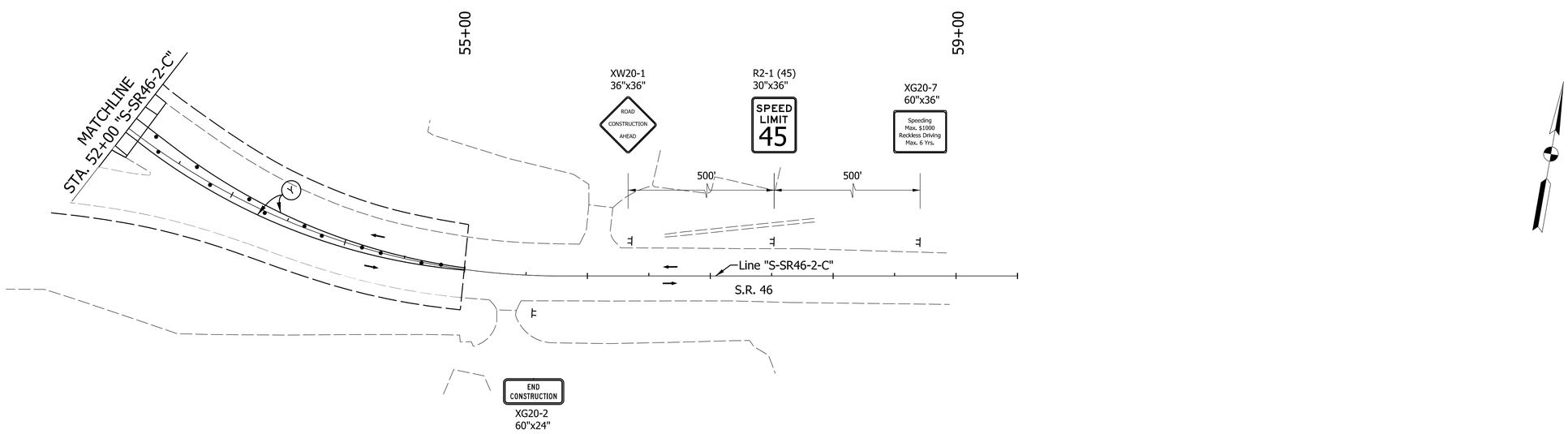
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	53 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 4_02.dgn
MODEL NAME: TEC04
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:05 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

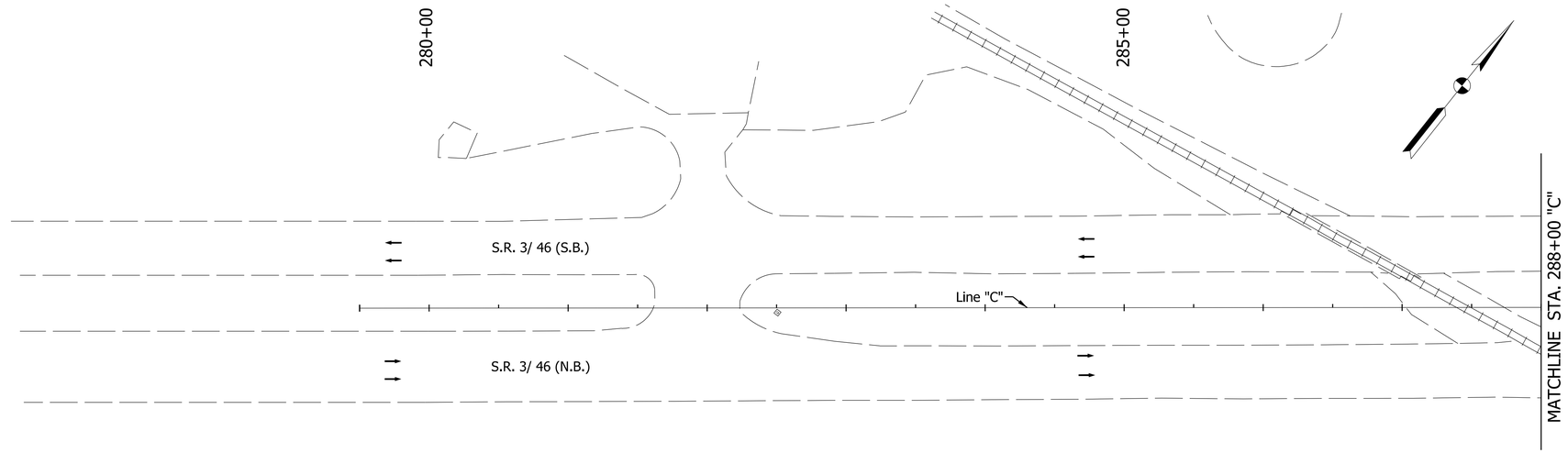
CHECKED: PAW CHECKED: PAW

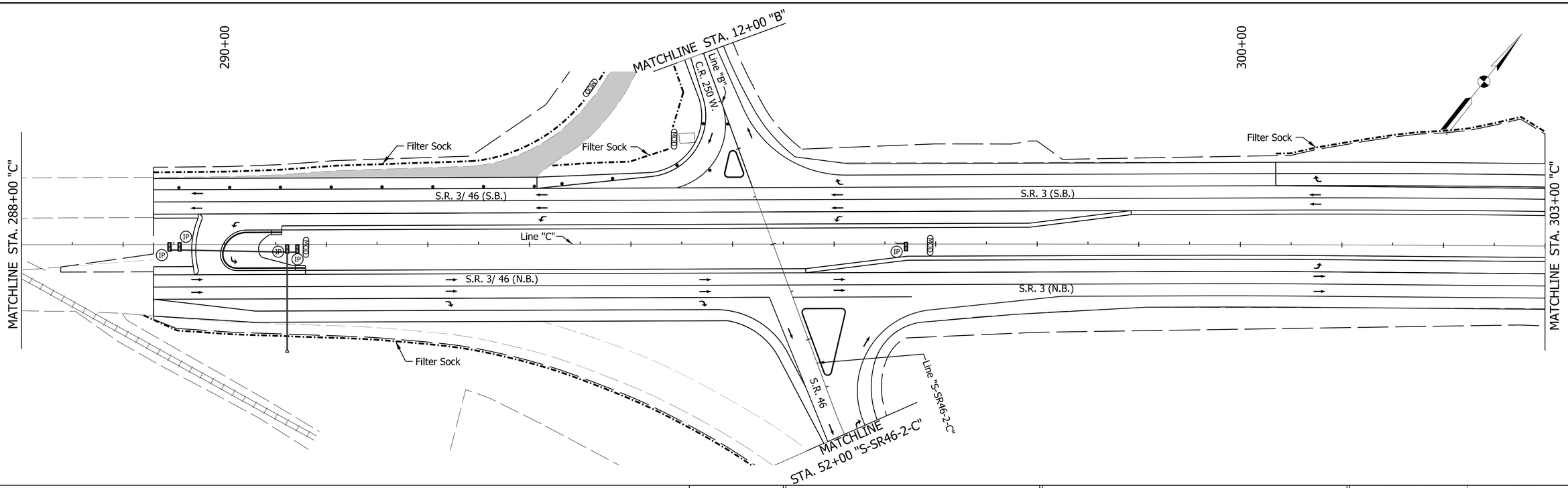
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE IV

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	54 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 4_03.dgn
MODEL NAME: TEC04
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:14 PM





LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	55 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 5_01.dgn
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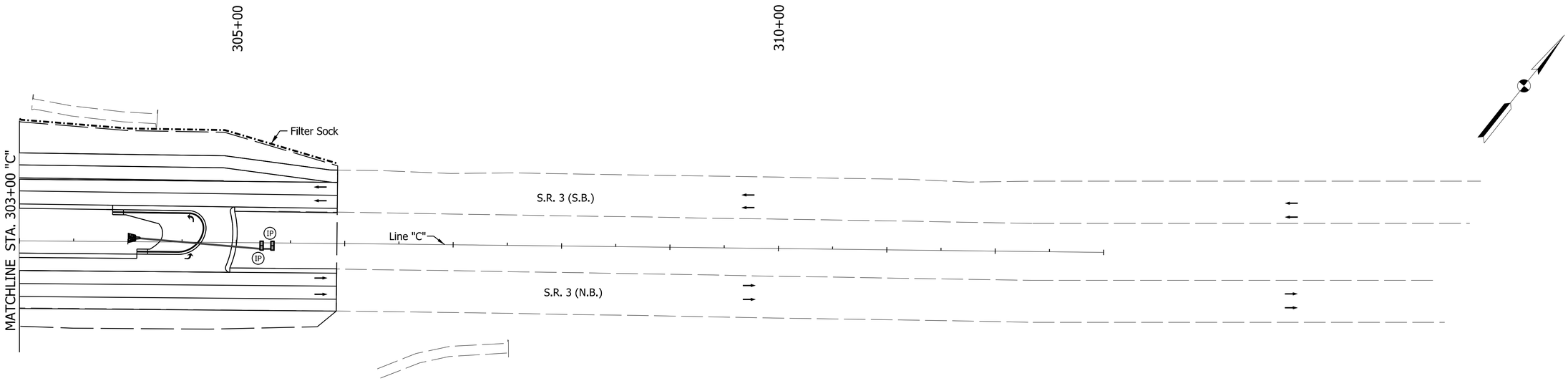
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:25 PM



LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM

CHECKED: PAW | CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL
PHASE V

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	56 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 5_02.dgn
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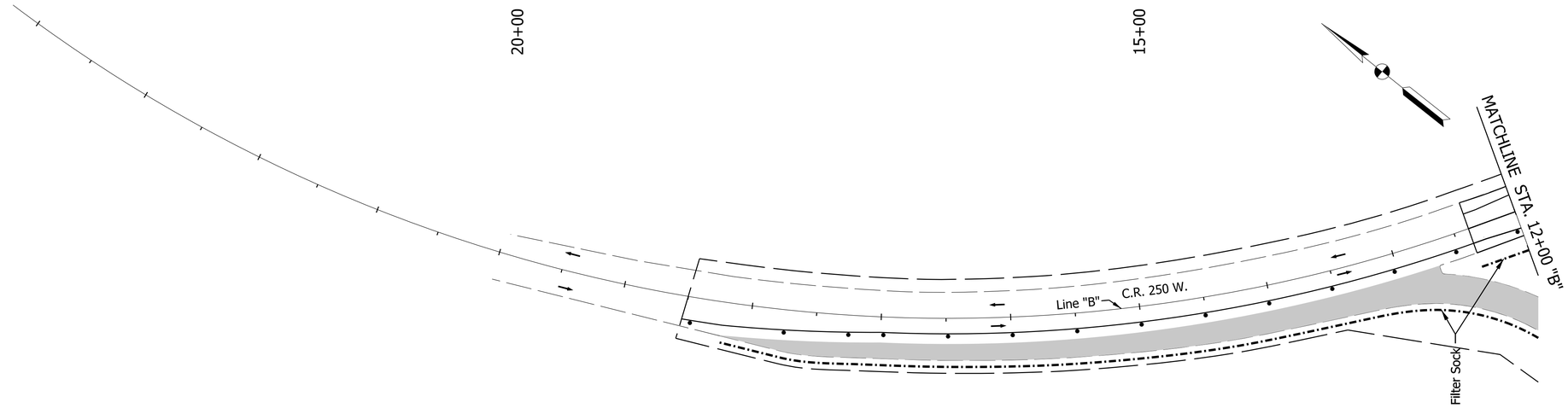

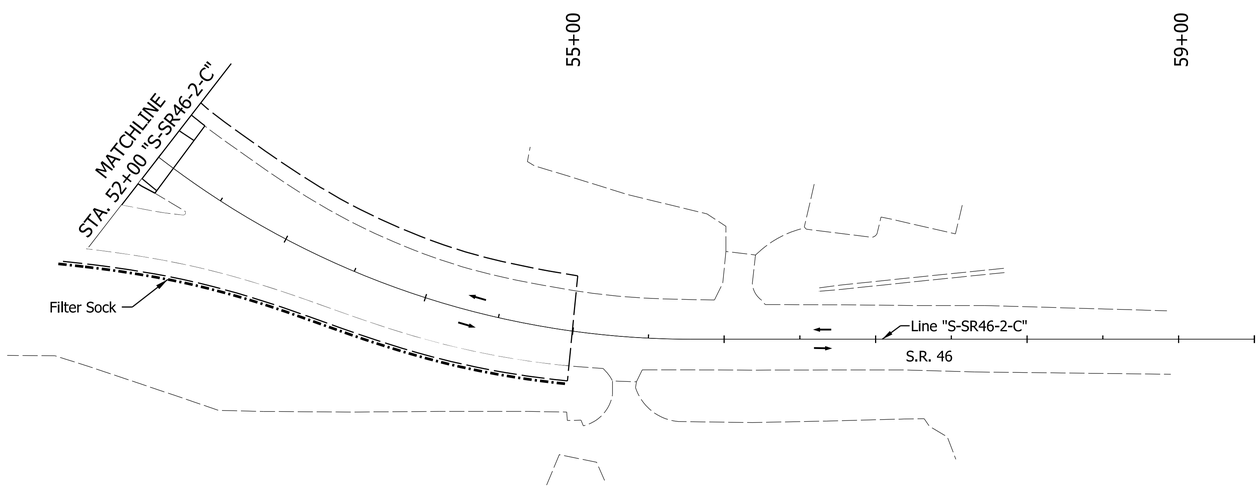

LEGEND

- Construction Zone
- (W) Temporary Pavement Marking, Removable, White, Solid, 4 in.
- (Y) Temporary Pavement Marking, Removable, Yellow, Solid, 4 in.
- Standard Barrel
- Typical Sign Standard
- Traffic Flow
- (IP) Temporary Inlet Protection

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 50' / BRIDGE FILE: N/A / VERTICAL SCALE: / DESIGNATION: 1700050
DESIGNED: CJC / DRAWN: DLM / CHECKED: PAW / CHECKED: PAW	TEMPORARY EROSION CONTROL PHASE V	SURVEY BOOK: / SHEETS: 57 of 98 / CONTRACT: T-40427 / PROJECT: 1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC Phase 5_03.dgn
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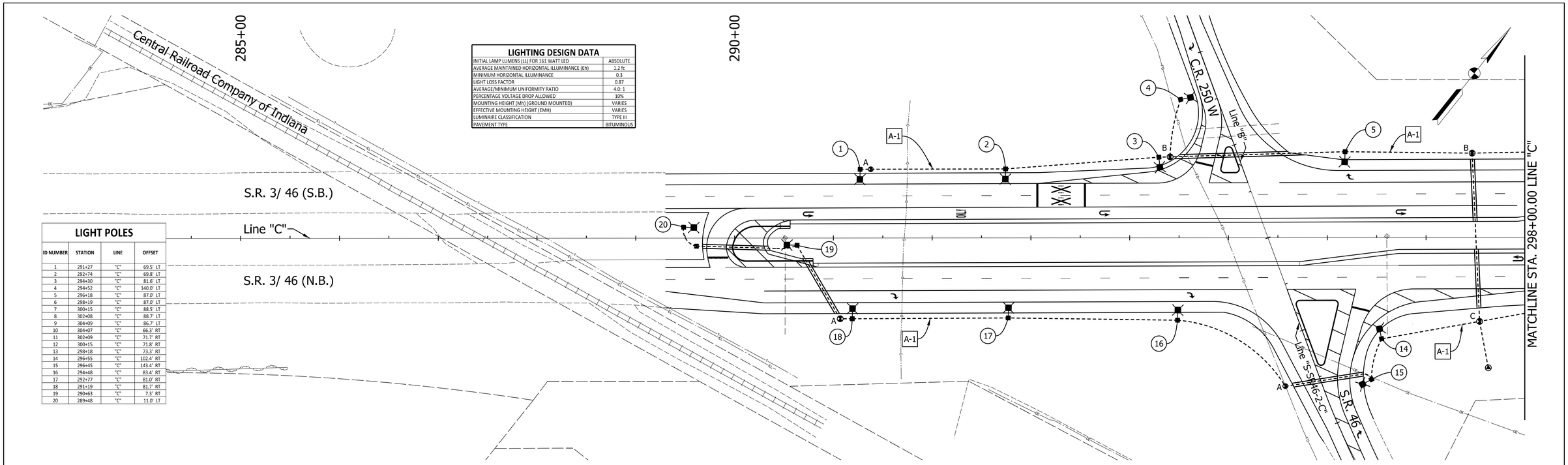
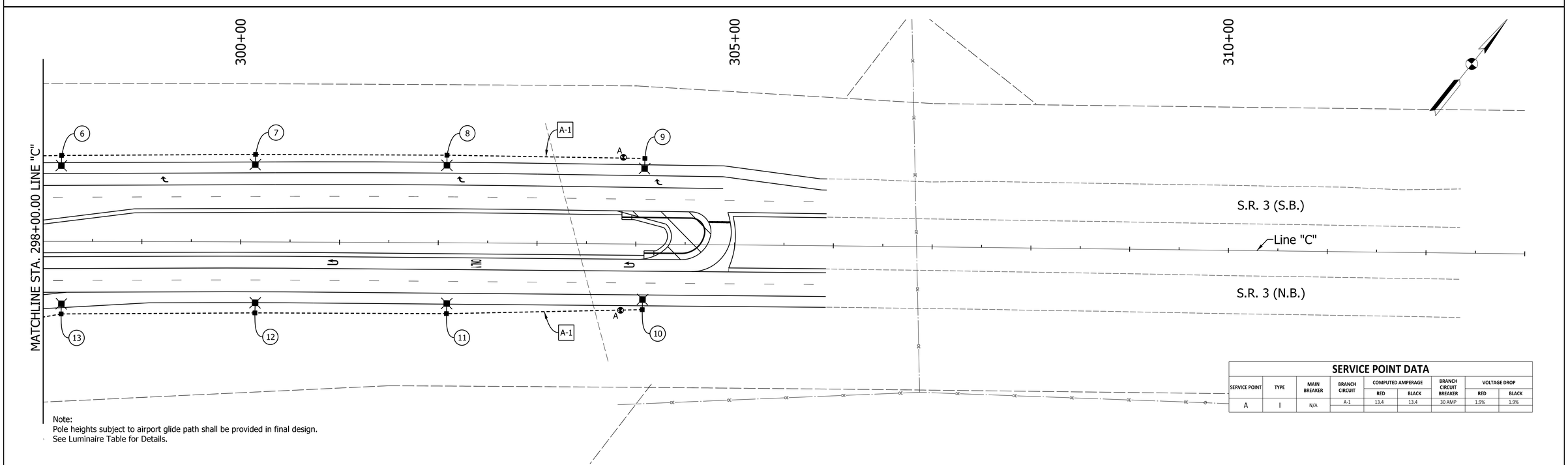


LIGHTING DESIGN DATA

INITIAL LAMP LUMENS (LL) FOR 161 WATT LED	ABSOLUTE
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh)	1.2 fc
MINIMUM HORIZONTAL ILLUMINANCE	0.3
LIGHT LOSS FACTOR	0.87
AVERAGE/MINIMUM UNIFORMITY RATIO	4.0: 1
PERCENTAGE VOLTAGE DROP ALLOWED	10%
MOUNTING HEIGHT (Mh) (GROUND MOUNTED)	VARIES
EFFECTIVE MOUNTING HEIGHT (EMh)	VARIES
LUMINAIRE CLASSIFICATION	TYPE III
PAVEMENT TYPE	BITUMINOUS

LIGHT POLES

ID NUMBER	STATION	LINE	OFFSET
1	291+27	"C"	69.5' LT
2	292+74	"C"	69.8' LT
3	294+30	"C"	81.6' LT
4	294+52	"C"	140.0' LT
5	296+18	"C"	87.0' LT
6	298+19	"C"	87.0' LT
7	300+15	"C"	88.5' LT
8	302+08	"C"	88.7' LT
9	304+09	"C"	86.7' LT
10	304+07	"C"	66.3' RT
11	302+09	"C"	71.7' RT
12	300+15	"C"	71.8' RT
13	298+18	"C"	73.3' RT
14	296+55	"C"	102.4' RT
15	296+45	"C"	143.4' RT
16	294+48	"C"	83.4' RT
17	292+77	"C"	81.0' RT
18	291+19	"C"	81.7' RT
19	290+63	"C"	7.3' RT
20	289+48	"C"	11.0' LT



SERVICE POINT DATA

SERVICE POINT	TYPE	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPERAGE		BRANCH CIRCUIT BREAKER	VOLTAGE DROP	
				RED	BLACK		RED	BLACK
A	I	N/A	A-1	13.4	13.4	30 AMP	1.9%	1.9%

Note:
Pole heights subject to airport glide path shall be provided in final design.
See Luminaire Table for Details.

LEGEND

- PROPOSED 161 WATT LED LUMINAIRE ON BREAKAWAY BASE
- PROPOSED SERVICE POINT
- PROPOSED LIGHTING HANDHOLE (TYPE AS SHOWN)
- (XX) ROADWAY LIGHTING IDENTIFICATION NUMBER
- PROPOSED 4-1/C NO. 4 WIRES IN PLASTIC DUCT IN 2 INCH GALVANIZED STEEL CONDUIT
- PROPOSED 4-1/C NO. 4 WIRES IN PLASTIC DUCT IN TRENCH
- A-1 LIGHTING CIRCUIT IDENTIFICATION NUMBER
- PROPOSED CABLE DUCT MARKER (EXACT LOCATION AND APPROX. DIRECTION TO BE FIELD DETERMINED)

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TMA DRAWN: PAW

CHECKED: DAH CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	58 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Light_50_01.dgn
MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:44 PM

CONVENTIONAL LIGHT STANDARD - LUMINAIRE TABLE

ID NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LUMINAIRE ID		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IES DISTRIBUTION TYPE		III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
POLE SETBACK (FT) FROM:	**EDGE OF PAVEMENT**																				
	EDGE OF SHOULDER		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	28.0	20.0
*** DISTANCE IS SET-FORWARD FROM FRONT OF SIDEWALK**	**BACK OF CURB**																				
	BACK OF SIDEWALK																				
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MOUNTING HEIGHT (MH) (FT)		19.7	19.7	29.0	33.6	33.1	33.5	33.0	33.0	33.2	34.0	33.7	33.3	33.5	27.5	31.8	28.2	19.1	19.1	17.9	18.4
EDGE OF PAVEMENT (EP) ELEVATION (FT)		917.04	917.30	917.67	917.12	918.45	919.17	920.43	921.58	922.88	922.65	921.60	920.55	919.40	917.01	916.55	917.61	917.19	917.1	917.0	916.9
TOP OF FOUNDATION ELEVATION (FT)		916.76	916.95	916.67	915.74	916.50	917.67	918.41	919.54	921.03	921.64	920.25	918.81	917.87	914.46	913.39	915.85	916.31	916.2	914.9	915.3
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		-0.28	-0.35	-1.00	-1.38	-1.95	-1.50	-2.02	-2.04	-1.85	-1.01	-1.35	-1.74	-1.53	-2.55	-3.16	-1.76	-0.88	-0.9	-2.1	-1.6
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		20.0	20.0	30.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	30.0	35.0	30.0	20.0	20	20	20
MAST ARM LENGTH (FT)		20	20	20	15	15	15	15	15	15	15	15	15	15	25	15	20	20	20	20	20
CIRCUIT NUMBER		"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"
CIRCUIT CONNECTION (RED OR BLACK)		R	B	R	B	R	B	R	B	R	B	R	B	R	B	R	B	R	B	R	B
CONNECTION TYPE (PER E807-LTWR-01)		1	2	2	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1
ORIENTATION ANGLE (SEE DETAIL)		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	90°-Lt	90°-Rt
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)																					

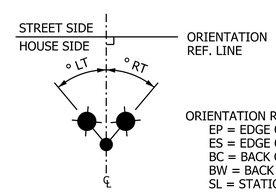
** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN
PT = POST TOP MOUNTING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 3 FT. DIA. X 8 FT. (GROUND MOUNTED)
BR = LIGHTING FOUNDATION ON BRIDGE RAILING
BW = BARRIER WALL
SP = SIGNAL POLE
PR = PROMENADE

ORIENTATION REF. LINE:
EP = EDGE OF PAVEMENT
ES = EDGE OF SHOULDER
BC = BACK OF CURB
BW = BACK OF WALK
SL = STATION LINE



ORIENTATION REF. LINE:
EP = EDGE OF PAVEMENT
ES = EDGE OF SHOULDER
BC = BACK OF CURB
BW = BACK OF WALK
SL = STATION LINE

ORIENTATION DETAIL

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MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:44:47 PM

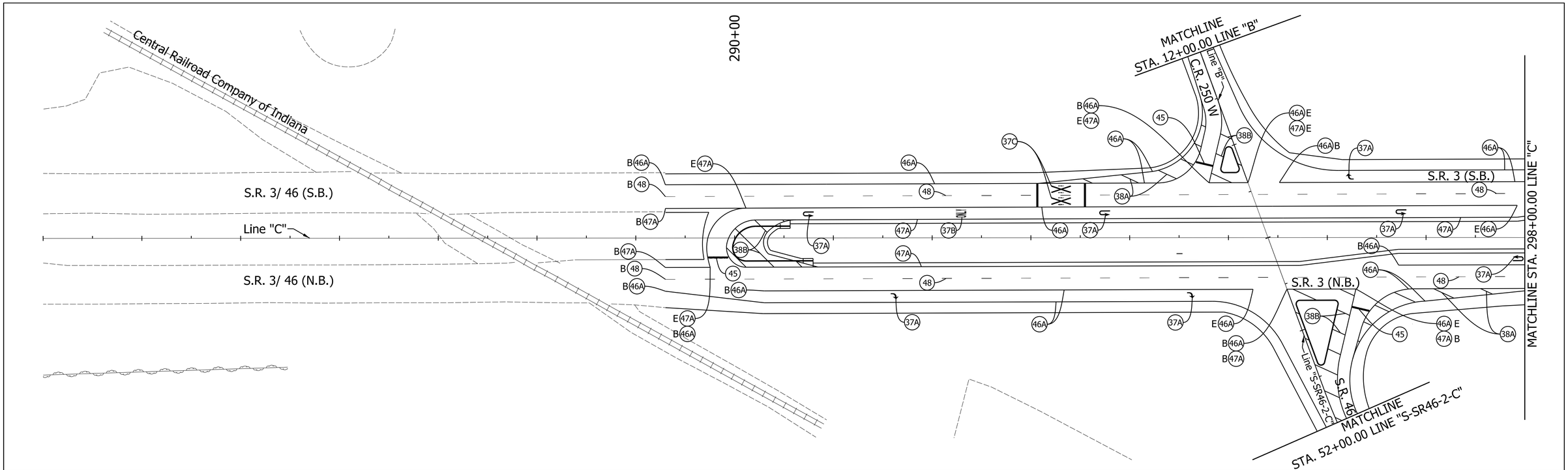
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

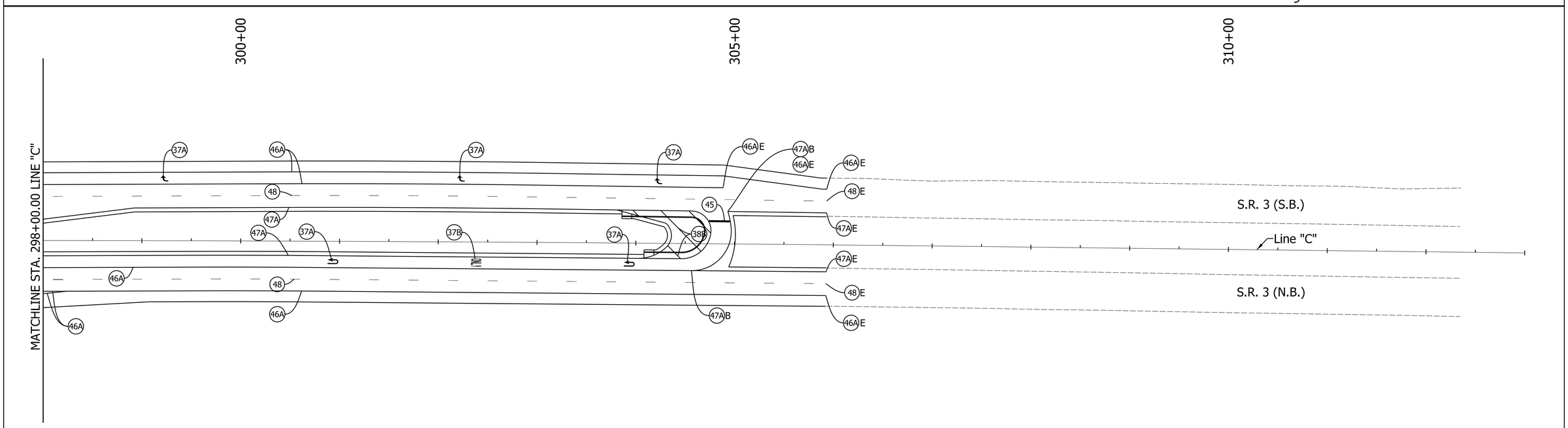
DESIGNED: TMA DRAWN: PAW
CHECKED: DAH CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	59 of 98
CONTRACT	PROJECT
T-40427	1700050





LEGEND

37A	Thermoplastic Lane Indication Arrow	38B	12" Solid Yellow Thermoplastic Transverse Marking
37B	Word "ONLY" Thermoplastic Pavement Message Marking	45	24" White Thermoplastic Stop Line
37C	"R X R" Thermoplastic Pavement Message Marking	46A	4" Solid White Thermoplastic Line
38A	12" Solid White Thermoplastic Transverse Marking	47A	4" Solid Yellow Thermoplastic Line
		48	4" Broken White Thermoplastic Line

B Begin Line
E End Line

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	60 of 98
CONTRACT	PROJECT
T-40427	1700050

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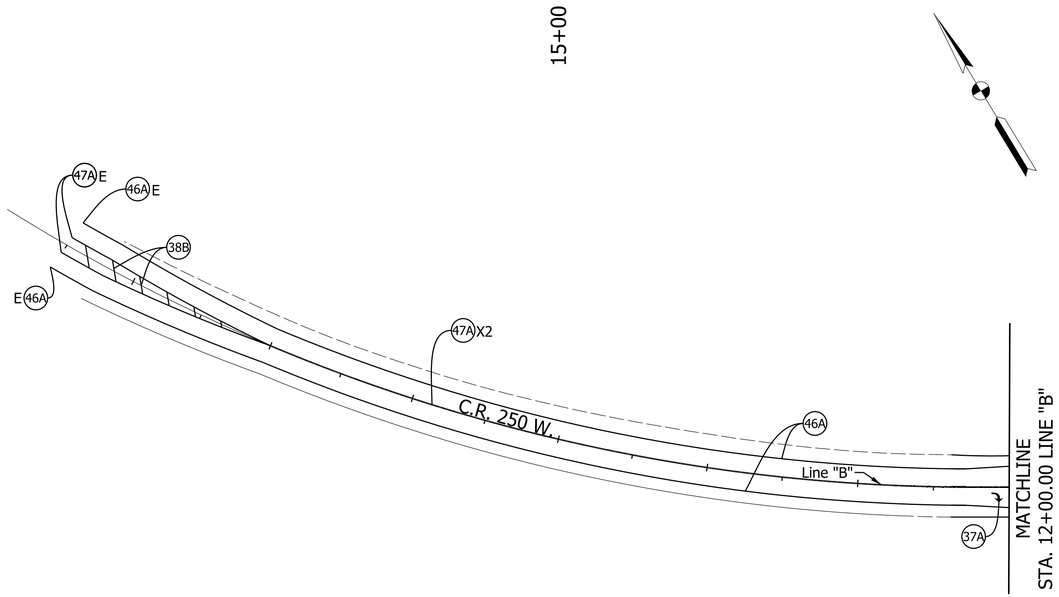
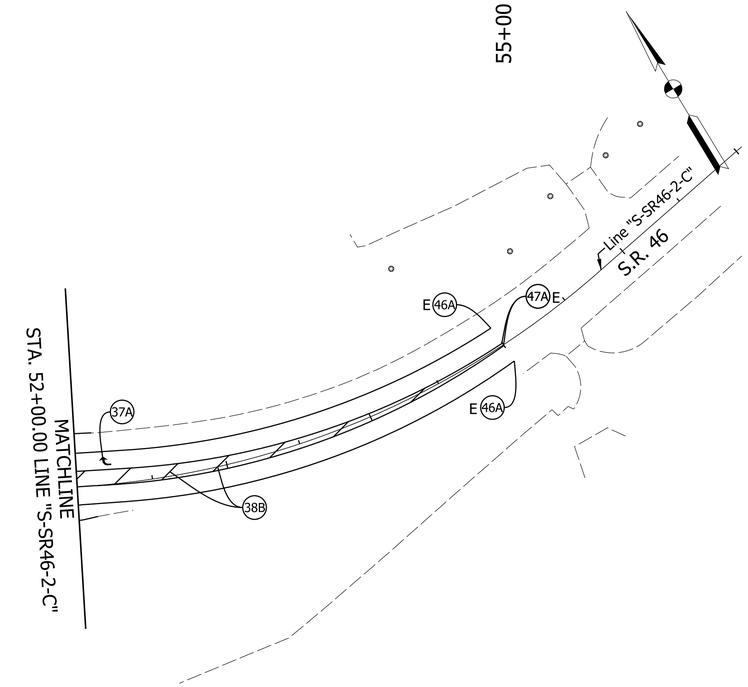
TIME PLOTTED: 7:45:07 PM





LEGEND

37A	Thermoplastic Lane Indication Arrow	38B	12" Solid Yellow Thermoplastic Transverse Marking	B	Begin Line
37B	Word "ONLY" Thermoplastic Pavement Message Marking	45	24" White Thermoplastic Stop Line	E	End Line
37C	"R X R" Thermoplastic Pavement Message Marking	46A	4" Solid White Thermoplastic Line		
38A	12" Solid White Thermoplastic Transverse Marking	47A	4" Solid Yellow Thermoplastic Line		
		48	4" Broken White Thermoplastic Line		

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	61 of 98
CONTRACT	PROJECT
T-40427	1700050

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MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:11 PM

PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION		LINE THERMOPLASTIC			TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS THERMOPLASTIC CROSSHATCH LINE	TRANSVERSE MARKINGS THERMOPLASTIC CROSSHATCH LINE	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	PAVEMENT MESSAGE THERMOPLASTIC WORD "R X R"	GROOVING FOR PAVEMENT MARKINGS	HMA CORRUGATIONS CONVENTIONAL	SNOWPLOWABLE RAISED PAVEMENT MARKERS
		SOLID WHITE 4 In	SOLID YELLOW 4 In	BROKEN WHITE 4 In	SOLID WHITE 24 In	SOLID WHITE 12 In	SOLID YELLOW 12 In					SHOULDER CORRUGATIONS	
From Station	To Station	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH	ft	ft	EACH
"C"													
289+30	289+75	90	90	23							203	180	1
289+75	290+85	730	334	55	21		112				1,119	220	2
290+85	293+07	888	444	111				2	1		1,443	444	3
293+07	294+81	870	348	87				2		2	1,305	348	3
294+81	295+25	176	88	22							286	44	1
295+25	295+54	29	58	15							102	29	1
295+54	296+28	296	148	37							481	74	1
296+28	296+72	220	88	22				1			330	44	1
296+72	298+24	912	304	76				2			1,292	152	2
298+24	303+80	2,224	1,112	278				4	1		3,614	1112	7
303+80	304+93	462	366	57	22		116	1			885	226	2
304+93	305+93	400	200	50							650	400	2
"B"													
10+60	11+51	280	201		18	78	48	1			481		
11+51	17+00	1,098	1,098								2,196		
17+00	18+49	298	181				55				479		
"S-SR46-2-C"													
50+57	54+99	1,007	1,278		19	87	236	1			2,285		
PROJECT TOTALS		9,980	6,338	832	80	165	567	14	2	2	17,150	3,273	26

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:13 PM

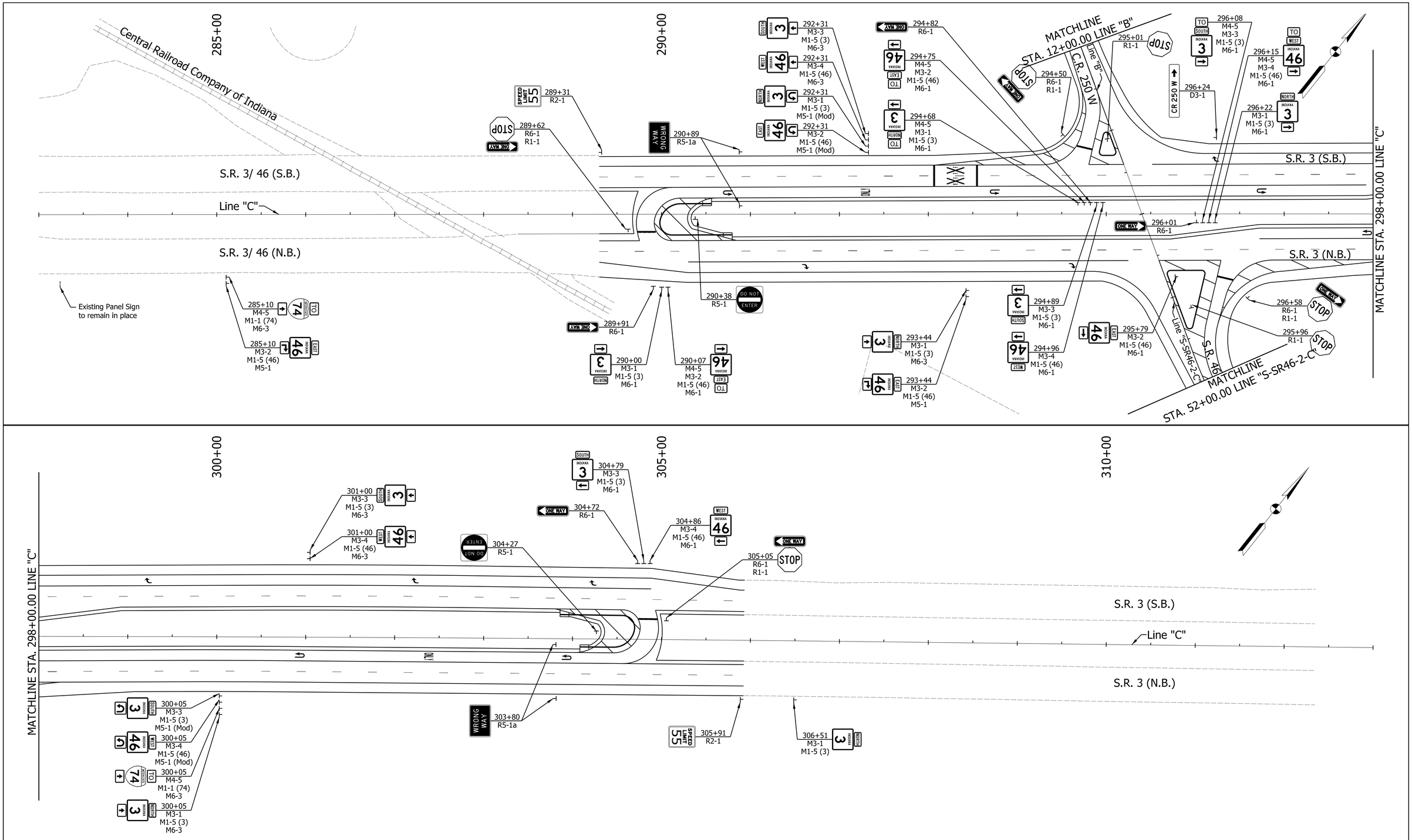
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	62 of 98
CONTRACT	PROJECT
T-40427	1700050



LEGEND

⊥ Post Mounted Sign

⊥⊥ Panel Mounted Sign

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGNS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	63 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Traf-Signs_50_01.dgn
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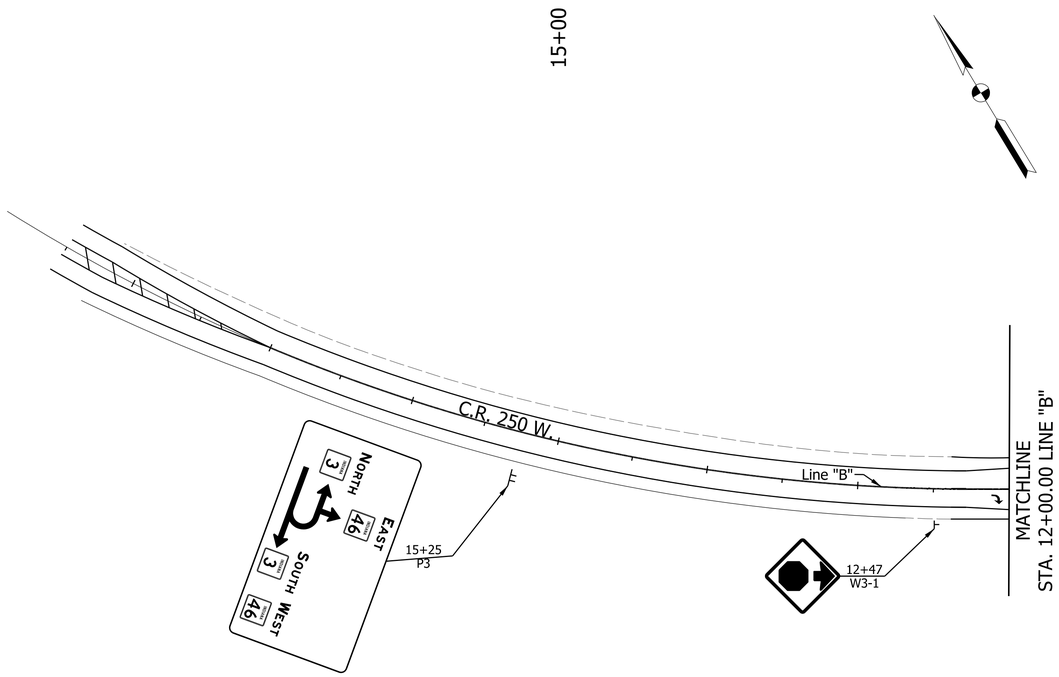

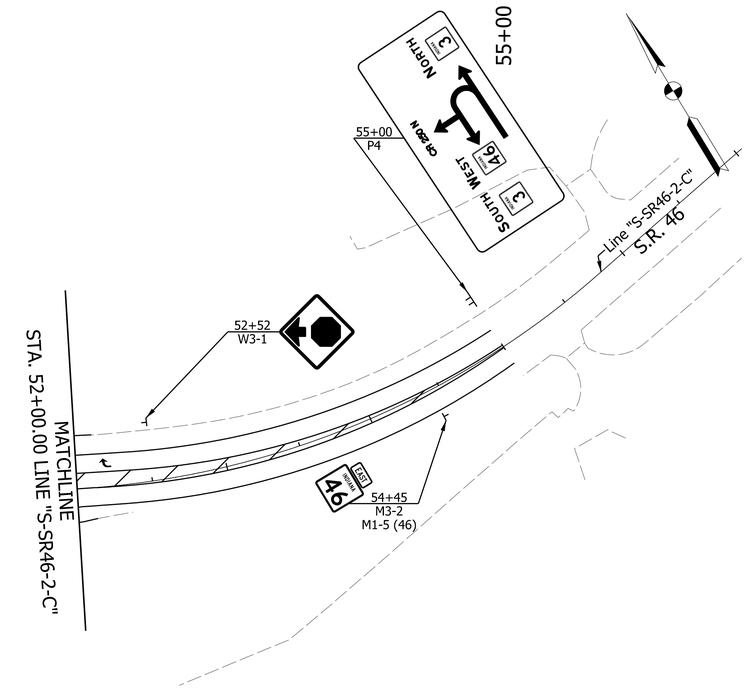

LEGEND

⊥	Post Mounted Sign
⊥⊥	Panel Mounted Sign

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGNS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	64 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Traf-Signs_50_02.dgn
MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:44 PM

SHEET SIGN & POST SUMMARY

SIGN									POST													
										SQUARE												
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)			GROUND - MOUNTED SIGN AREA (ft2)			NOTES	2 1/2" X 2 1/2" - 12 GA. (TYPE 3)			2" X 2" - 12 GA. (TYPE 2)			2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)	
										UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			REINFORCED ANCHOR			UNREINFORCED ANCHOR			REINFORCED ANCHOR	
						0.080"	0.100"	0.125"		POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)	
										1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	TOTAL		1	TOTAL
"C"																							
	285+10	M4-5	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5					
		M1-1 (74)	24	X	24	4.00			Post Mounted with M4-5														
		M6-3	21	X	15	2.19			Post Mounted with M4-5														
	285+10	M3-2	24	X	12	2.00																	
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-2														
		M5-1	21	X	15	2.19			Post Mounted with M3-2														
	289+31	R2-1	30	X	36	7.50																12.2	12.2
	289+62	R6-1	54	X	18		6.75									13.7	13.7	27.3					
		R1-1	36	X	36		9.00		Post Mounted with R6-1														
	289+91	R6-1	54	X	18		6.75									10.7	10.7	21.3					
	290+00	M3-1	24	X	12	2.00			Route Marker Two Shield Assembly							12.8	12.8	25.5					
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-1														
		M6-1	21	X	15	2.19			Post Mounted with M3-1														
	290+07	M4-5	24	X	12	2.00																	
		M3-2	24	X	12	2.00			Post Mounted with M4-5														
		M1-5 (46)	24	X	24	4.00			Post Mounted with M4-5														
		M6-1	21	X	15	2.19			Post Mounted with M4-5														
	290+38	R5-1	36	X	36		9.00															12.2	12.2
	290+89	R5-1a	42	X	30		8.75															11.7	11.7
	290+89	R5-1a	42	X	30		8.75															11.7	11.7
	292+31	M3-3	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5					
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-3														
		M6-3	21	X	15	2.19			Post Mounted with M3-3														
	292+31	M3-4	24	X	12	2.00																	
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-4														
		M6-3	21	X	15	2.19			Post Mounted with M3-4														
	293+44	M3-1	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5					
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-1														
		M6-3	21	X	15	2.19			Post Mounted with M3-1														
	293+44	M3-2	24	X	12	2.00																	
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-2														
		M5-1	21	X	15	2.19			Post Mounted with M3-2														
	294+50	R6-1	36	X	12		3.00															12.7	12.7
		R1-1	30	X	30	6.25			Post Mounted with R6-1														
	294+68	M4-5	24	X	12	2.00			Route Marker Two Shield Assembly							12.8	12.8	25.5					
		M3-1	24	X	12	2.00			Post Mounted with M4-5														
		M1-5 (3)	24	X	24	4.00			Post Mounted with M4-5														
		M6-1	21	X	15	2.19			Post Mounted with M4-5														
	294+75	M4-5	24		12	2.00																	
		M3-2	24	X	12	2.00			Post Mounted with M4-5														
		M1-5 (46)	24	X	24	4.00			Post Mounted with M4-5														
		M6-1	21	X	15	2.19			Post Mounted with M4-5														
	294+82	R6-1	54	X	18		6.75									10.7	10.7	21.3					
	294+89	M3-3	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5					
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-3														
		M6-1	21	X	15	2.19			Post Mounted with M3-3														
	294+96	M3-4	24	X	12	2.00																	
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-4														
		M6-1	21	X	15	2.19			Post Mounted with M3-4														
	295+01	R1-1	30	X	30	6.25																11.7	11.7
	295+76	M3-2	24	X	12	2.00			Route Marker One Shield Assembly													11.8	11.8
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-2														
		M6-1	21	X	15	2.19			Post Mounted with M3-2														
	295+96	R1-1	30	X	30	6.25																11.7	11.7
	296+01	R6-1	54	X	18		6.75									10.7	10.7	21.3					
	296+08	M4-5	24	X	12	2.00			Route Marker Three Shield Assembly	12.8	12.8	25.5											
		M3-3	24	X	12	2.00			Post Mounted with M4-5														
		M1-5 (3)	24	X	24	4.00			Post Mounted with M4-5														
		M6-1	21	X	15	2.19			Post Mounted with M4-5														
	296+15	M4-5	24	X	12	2.00																	
		M3-4	24	X	12	2.00			Post Mounted with M4-5														
		M1-5 (46)	24	X	24	4.00			Post Mounted with M4-5														
		M6-1	21	X	15	2.19			Post Mounted with M4-5														
	296+22	M3-1	24	X	12	2.00																	
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-1														
		M6-1	21	X	15	2.19			Post Mounted with M3-1														
SUBTOTAL						167.25	65.50	0.00				25.50			0.00			236.20		0.00			95.70

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:46 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SHEET SIGN TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	65 of 98
CONTRACT	PROJECT
T-40427	1700050

SHEET SIGN & POST SUMMARY

SIGN									POST													
									SQUARE													
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)			GROUND - MOUNTED SIGN AREA (ft2)			NOTES	2 1/2" X 2 1/2" - 12 GA. (TYPE 3) UNREINFORCED ANCHOR POST LENGTH (FT.)			2" X 2" - 12 GA. (TYPE 2) UNREINFORCED ANCHOR POST LENGTH (FT.)			2" X 2" - 12 GA. (TYPE 2) REINFORCED ANCHOR POST LENGTH (FT.)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1) UNREINFORCED ANCHOR POST LENGTH (FT.)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1) REINFORCED ANCHOR POST LENGTH (FT.)	
						0.080"	0.100"	0.125"		1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	TOTAL	1	TOTAL
	296+24	D3-1	60	X	12		5.00									10.2	10.2	20.3				
	296+58	R6-1	36	X	12		3.00														12.7	12.7
		R1-1	30	X	30	6.25			Post Mounted with R6-1													
	300+05	M4-5	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5				
		M1-1 (74)	24	X	24	4.00			Post Mounted with M4-5													
		M6-3	21	X	15	2.19			Post Mounted with M4-5													
	300+05	M3-1	24	X	12	2.00																
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-1													
		M6-3	21	X	15	2.19			Post Mounted with M3-1													
	301+00	M3-3	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5				
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-3													
		M6-3	21	X	15	2.19			Post Mounted with M3-3													
	301+00	M3-4	24	X	12	2.00																
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-4													
		M6-3	21	X	15	2.19			Post Mounted with M3-4													
	303+80	R5-1a	42	X	30		8.75														11.7	11.7
	303+80	R5-1a	42	X	30		8.75														11.7	11.7
	304+27	R5-1	36	X	36		9.00														12.2	12.2
	304+72	R6-1	54	X	18		6.75									10.7	10.7	21.3				
	304+79	M3-3	24	X	12	2.00			Route Marker Two Shield Assembly							11.8	11.8	23.5				
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-3													
		M6-1	21	X	15	2.19			Post Mounted with M3-3													
	304+86	M3-4	24	X	12	2.00																
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-4													
		M6-1	21	X	15	2.19			Post Mounted with M3-4													
	305+05	R6-1	54	X	18		6.75									13.7	13.7	27.3				
		R1-1	36	X	36		9.00		Post Mounted with R6-1													
	305+91	R2-1	30	X	36	7.50															12.2	12.2
	306+51	M3-1	24	X	12	2.00			Route Marker One Shield Assembly												10.5	10.5
		M1-5 (3)	24	X	24	4.00			Post Mounted with M3-1													
"B"																						
	12+47	W3-1	30	X	30	6.25															9.7	9.7
"S-SR46-2-C"																						
	52+52	W3-1	30	X	30	6.25															9.7	9.7
	54+45	M3-2	24	X	12	2.00			Route Marker One Shield Assembly												10.5	10.5
		M1-5 (46)	24	X	24	4.00			Post Mounted with M3-2													
SUBTOTAL						87.38	57.00	0.00				0.00			0.00			139.40		0.00		100.90
GRAND TOTAL						254.63	122.50	0.00				25.50			0.00			375.60		0.00		196.60

PANEL SIGN & POST SUMMARY

PLAN SHEET No. / LINE	LOCATION (STA..)	SIGN CODE	SIGN SIZE (ft x ft)	SIGN SUMMARY	POST LENGTH (ft)						W8X18		W10X33	
				PANEL SIGN AREA (ft2)	POST 1		POST 2		POST 3		STEEL (lb)	FOUNDATION TYPE B (EACH)	STEEL (lb)	FOUNDATION TYPE C (EACH)
					POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH				
"C"														
	291+80	P1	13 X 11	143.0	9.6	4.0	11.3	4.0			519.3	2		
	293+40	P2	14 X 11	154.0	9.8	4.0	11.5	4.0			526.5	2		
	300+60	P1	13 X 11	143.0	9.6	4.0	11.3	4.0			519.3	2		
	303+55	P2	14 X 11	154.0	9.8	4.0	11.5	4.0			526.5	2		
"B"														
	15+25	P3	25 X 13	325.0	7.5	5.0	7.5	5.0	7.5	5.0			1237.5	3
"S-SR46-2-C"														
	55+00	P4	20 X 13	260.0	10.0	5.0	8.5	5.0	7.0	5.0			1336.5	3
TOTALS				1179.0							2091.6	8	2574	6

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MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:48 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

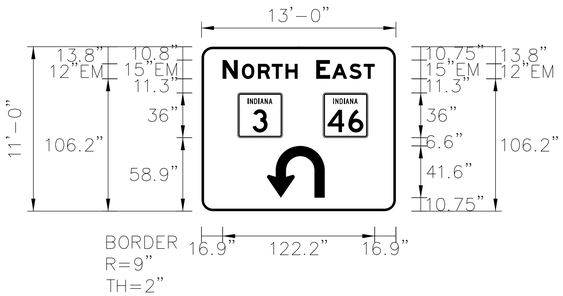
DESIGNED: PAW DRAWN: SJS
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SHEET SIGN TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	66 of 98
CONTRACT	PROJECT
T-40427	1700050

SIGN DETAIL
1:100



SIGN NUMBER	P1
WIDTH x HGHT.	13'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

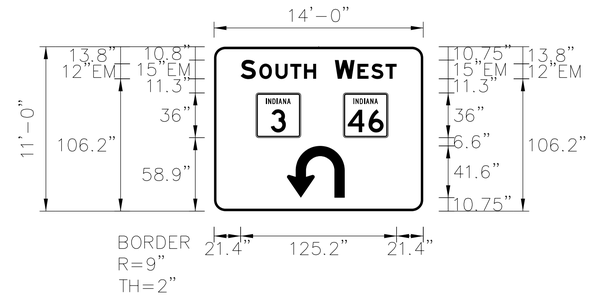
SYMBOL	ROT	X	Y	WID	HT
M1_I6	0	29	58.9	36	36
M1_I6	0	97.6	58.9	36	36
AR_Uturn	0	52.6	10.8	46.3	41.6

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
N	O	R	T	H																		EM 2000
16.9	32.4	45.3	56.4	67.4																	60.2	15,12
E	A	S	T																			EM 2000
92.1	104.8	118.7	130.2																		47	15,12

SIGN DETAIL
1:100



SIGN NUMBER	P2
WIDTH x HGHT.	14'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_I6	0	33.7	58.9	36	36
M1_I6	0	103.8	58.9	36	36
AR_Uturn	0	52.6	10.8	46.3	41.6

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
S	O	U	T	H																		EM 2000
21.4	36.4	49.3	61.2	72.3																	60.6	15,12
W	E	S	T																			EM 2000
97	115.2	126.2	137.7																		49.6	15,12

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Sign Layout_01.dgn
MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:51 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

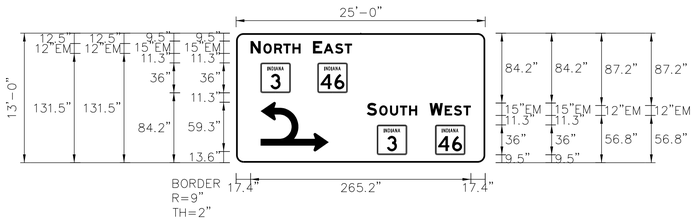
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN LAYOUTS

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	67 of 98
CONTRACT	PROJECT
T-40427	1700050

SIGN DETAIL
1:150



SIGN NUMBER	P3
WIDTH x HGHT.	25'-0" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

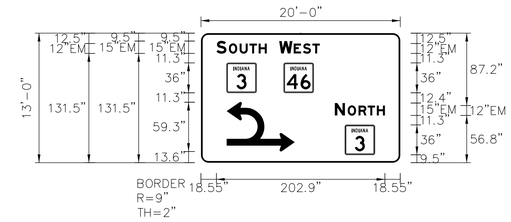
SYMBOL	ROT	X	Y	WID	HT
M1_I6	0	29.5	84.2	36	36
M1_I6	0	98.1	84.2	36	36
AR_ThrUturn	0	29.5	13.6	82.1	59.3
M1_I6	0	169.7	9.5	36	36
M1_I6	0	239.8	9.5	36	36

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
N	O	R	T	H																		EM 2000
17.4	32.9	45.8	56.9	67.9																	60.2	15,12
E	A	S	T																			EM 2000
92.6	105.2	119.2	130.7																		47	15,12
S	O	U	T	H																		EM 2000
157.4	172.4	185.3	197.2	208.3																	60.6	15,12
W	E	S	T																			EM 2000
233	251.2	262.2	273.7																		49.6	15,12

SIGN DETAIL
1:150



SIGN NUMBER	P4
WIDTH x HGHT.	20'-0" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_I6	0	30.9	84.2	36	36
M1_I6	0	99.6	84.2	36	36
AR_ThrUturn	0	29.5	13.6	82.1	59.3
M1_I6	0	173.3	9.5	36	36

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
S	O	U	T	H																		EM 2000
18.6	33.6	46.5	58.4	69.4																	60.6	15,12
W	E	S	T																			EM 2000
94.2	111.7	122.7	134.2																		48.9	15,12
N	O	R	T	H																		EM 2000
161.2	176.7	189.6	200.7	211.7																	60.2	15,12

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Sign Layout_02.dgn
MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:54 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

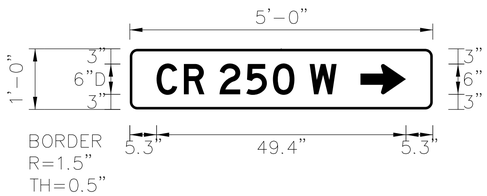
CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN LAYOUTS

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	68 of 98
CONTRACT	PROJECT
T-40427	1700050

SIGN DETAIL
1:25



SIGN NUMBER	D3-1	
WIDTH x HGHT.	5'-0" x 1'-0"	
BORDER WIDTH	0.5"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	270	45.7	3	6	9

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

C	R		2	5	0		W													LENGTH	SERIES/SIZE
5.3	10.7	14.8	17.8	23.1	28.3	32.6	35.6													35.6	D 2000 6

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Sign Layout_03.dgn
MODEL NAME: Sheet
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:55 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PAW DRAWN: SJS

CHECKED: TMA CHECKED: TMA

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN LAYOUTS

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	69 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TEC_01.dgn
MODEL NAME: Sht TEC_01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:57 PM

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	70 of 98
CONTRACT	PROJECT
T-40427	1700050

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht TUD_01.dgn
MODEL NAME: Sht TUD_01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:45:58 PM

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC
DRAWN: DLM
CHECKED: PAW
CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	71 of 98
CONTRACT	PROJECT
T-40427	1700050

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: HMA	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	GRADE 3	GRADE 4	EXCAVATION CUT	EXCAVATION FILL	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES LBS. PER SYD.	HMA FOR APPROACHES LBS. PER SYD.	HMA MATERIALS LBS. PER SYD.: QC/QA-HMA, 3, 70, SURFACE, 12.5 mm 220	HMA MATERIALS LBS. PER SYD.: QC/QA-HMA, 3, 70, SURFACE, 19.0 mm 275	HMA MATERIALS LBS. PER SYD.: QC/QA-HMA, 2, 64, BASE 25.0 mm 275	HMA MATERIALS LBS. PER SYD.:	MILLING ASPHALT, 2 IN.			LIQUID ASPHALT SEALANT	JOINT ADHESIVE, SURFACE	JOINT ADHESIVE, INTERMEDIATE	HMA MATERIAL FOR: BASE SEAL	HMA MATERIAL FOR: TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH 6				COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH		SUBGRADE TREATMENT, TYPE IBC	SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE III	REMARKS
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	FT	SYS	SYS	TONS	TONS	TONS	SYS	SYS	SYS	SYS	LFT	LFT	LFT	SYS	TONS	CYS	SYS	SYS	SYS	SYS	SYS	SYS			
Road																																								
Line PR-C-NB	19+80.00 to 36+42.43																	1094	500	396		6392			5297	5297	2208		3	135						3868			
Line PR-C-SB	19+80.00 to 36+43.31																	1122	529	435		6435			5875	5875	2408		3	124						4096			
Line B	10+80.46 to 12+38.33																	111	67	67		532			478	478	478		1	0						510			
Line S-SR46-2-C	50+82.32 to 52+12.18																	128	27	5		977			291	291	291		1	27						220			
TOTAL																		2455	1122	904		14337			11941	11941	5385		8	286						8694			

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	72 of 98
CONTRACT	PROJECT
T-40427	1700050

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MODEL NAME: Sht TAP_01
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:00 PM

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LOCATION LEFT	LOCATION RIGHT	LOCATION CROSS	LOCATION OFFSET FT	SIZE IN.	DESCRIPTION PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	VIDEO INSPECTION LENGTH LFT	SKEW	COVER MIN FT	COVER MAX FT	FLOW LINE UP STREAM ELEV.	FLOW LINE DOWN STREAM ELEV.	SUMP DEPTH IN.	TOP OF CASTING ELEV.	SERVICE LIFE YRS	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1 CYS	STRUCTURE BACKFILL TYPE 2 CYS	FLOWABLE BACKFILL TYPE 5 CYS	FLOWABLE BACKFILL TYPE N CYS	UNDERCUT EXCAVATION CYS.	UNDERCUT COMPACTED AGGREGATE #5 IN. TONS	UNDERCUT COMPACTED AGGREGATE #53 IN. TONS	UNDERCUT GEOTEXTILES for RIPRAP TYPE IA TONS	SCOUR PROTECTION GEOTEXTILES for RIPRAP TYPE IA SYS.	SCOUR PROTECTION REVETMENT RIPRAP TONS	SCOUR PROTECTION CLASS 1 RIPRAP TONS	CONCRETE, CLASS A, FOR STR. CYS	PIPE, REMOVE LFT	VIDEO INSPECTION LFT	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR.	CULVERT ASSET ID	REMARKS
Line "C"																																													
101A	289+45.63	X			2.0	12	2	Inlet Type N-12	8	8		0.6	0.6	913.75	913.68		914.50	75	N/A	7	1	1																						101		
101	289+55.62	X			2.0	12	2	Inlet Type N-12	104	104		1.5	2.3	913.68	912.46		914.43	75	N/A	7	1	21																						102		
EX102	290+51.17			X	0.0	12		Existing Inlet	95					912.07	911.33		913.05																												Ex. Str. To be removed
102	290+61.51			X	0.2	15	2	Inlet Type N-12	96	96		1.4	1.4	912.46	912.11		913.48	75	N/A	7	1	21															1							Out		
102A	290+71.51	X			0.2	12	2	Inlet Type N-12	8	8		1.5	2.0	912.98	912.46		913.73	75	N/A	7	1	2																						102		
EX103A	293+56.46	X			160.6	24 X 36		Deformed Pipe	57					912.92	912.88																														Ex. Str. To be removed
EX103B	293+52.88	X			155.5	24 X 36		Deformed Pipe	57					912.79	912.77																														Ex. Str. To be removed
104A	294+50.95	X			109.0	24 X 36	1	Pipe Extension, Deformed	12					911.85	911.81			75	N/A	7																	1							EX104A		Min. Area= 4.1 SFT, Concrete
104B	294+51.56	X			99.4	24 X 36	1	Pipe Extension, Deformed	12					912.15	912.13			75	N/A	7																	1							EX104B		Min. Area= 4.1 SFT, Concrete
EX104A	294+62.15	X			109.7	24 X 36		Deformed Pipe	90					912.12	911.85																														Ex. Str. To remain
EX104B	294+63.30	X			100.2	24 X 36		Deformed Pipe	89					912.31	912.15																														Ex. Str. To remain
EX105	296+60.44			X	1.5	15		Existing Inlet	101					914.48	910.46		916.08																												Ex. Str. To remain
105A	269+70.78	X			1.8	15	2	Inlet Type N-12	8	8		0.3	0.9	915.09	914.48		916.11	75	N/A	7	1	1																						EX105		
106	305+23.37	X			1.7	15	2	Inlet Type N-12	116	116		1.7	3.2	919.50	918.87		920.52	75	N/A	7	1	28								10.2	4.1					1									
106A	305+33.37	X			1.7	15	2	Inlet Type N-12	8	8		0.3	0.3	919.56	919.50		920.58	75	N/A	7	1	1																						106		

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TIME PLOTTED: 7:46:02 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

HORIZONTAL SCALE	BRIDGE FILE
	N/A
VERTICAL SCALE	DESIGNATION
	1700050
SURVEY BOOK	SHEETS
	73 of 98
CONTRACT	PROJECT
T-40427	1700050

PIPE MATERIAL TABLE

	STRUCTURE NUMBER		101A	101	102	102A	104A	104B	105A	106	106A													
	PIPE TYPE / SHAPE (CIR or DEF)		2/CIR	2/CIR	2/CIR	2/CIR	1/DEF	1/DEF	2/CIR	2/CIR	2/CIR													
INT. DES.	SMOOTH PIPE SIZE		12	12	15	12	4.1	4.1	15	15	15													
	CORRUGATED PIPE SIZE		12	12	15	12			15	15	15													
	SEMI-SMOOTH PIPE SIZE																							
CONC.	RCP/RCHEP (S)	CLASS	II	II	II	II	HE-A	HE-A	II	II	II													
		D _ RATING	1000	1000	1000	1000	600	600	1000	1000	1000													
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			X	X	X				X														
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*																							
	PROFILE WALL (RIBBED) PE PIPE (S)*																							
	PROFILE WALL (CLOSED) PE PIPE (S)*																							
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR																							
	CORRUGATED PP PIPE (S)																							
	PROFILE WALL PVC PIPE (S)																							
	SMOOTH WALL PVC PIPE (S)*																							
CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			X	X	X				X														
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR.PROFILE			2.6x0.5				2.6x0.5	2.6x0.5	2.6x0.5													
		THICKNESS			0.109				0.109	0.109	0.109													
	ZINC COATED (C)	CORR. PROFILE																						
		THICKNESS																						
	ZINC COATED W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																						
		THICKNESS																						
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE																						
		THICKNESS																						
	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
SPIRAL RIB STEEL PIPE	FULLY BIT. PAVED & LINED (S)	RIB PROFILE		0.75x0.75x7.5	0.75x0.75x7.5	0.75x0.75x7.5				0.75x0.75x7.5														
		THICKNESS		0.109	0.109	0.109				0.109														
	ZINC COATED W/ BPI (SS)	RIB PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE																						
		THICKNESS																						
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE STEEL (C)	CORR. PROFILE																						
		THICKNESS **																						
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE																						
		THICKNESS **																						

	STRUCTURE NUMBER																							
	PIPE TYPE / SHAPE (CIR or DEF)																							
INT. DES.	SMOOTH PIPE SIZE																							
	CORRUGATED PIPE SIZE																							
	SEMI-SMOOTH PIPE SIZE																							
CONC.	RCP/RCHEP (S)	CLASS																						
		D _ RATING																						
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																							
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*																							
	PROFILE WALL (RIBBED) PE PIPE (S)*																							
	PROFILE WALL (CLOSED) PE PIPE (S)*																							
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR																							
	CORRUGATED PP PIPE (S)																							
	PROFILE WALL PVC PIPE (S)																							
	SMOOTH WALL PVC PIPE (S)*																							
CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																							
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR.PROFILE																						
		THICKNESS																						
	ZINC COATED (C)	CORR. PROFILE																						
		THICKNESS																						
	ZINC COATED W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																						
		THICKNESS																						
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE																						
		THICKNESS																						
	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
SPIRAL RIB STEEL PIPE	ZINC COATED (SS)	RIB PROFILE																						
		THICKNESS																						
	ZINC COATED W/ BPI (SS)	RIB PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE																						
		THICKNESS																						
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE STEEL (C)	CORR. PROFILE																						
		THICKNESS **																						
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE																						
		THICKNESS **																						

LEGEND

PIPE MATERIAL

RCP	Reinforced Concrete Pipe
RCHEP	Reinforced Concrete Horizontal Elliptical Pipe
PE	Polyethylene
DR	Dimension Ratio
PVC	Polyvinyl Chloride
PP	Polypropylene
CORR	Corrugation
ALUM	Aluminum
STR	Structural
(LS)	Lock Seam Pipe Required

PIPE PROTECTION

BPI	Bituminous Paved Invert
CFP	Concrete Field Paving
BIT	Bituminous

SHAPE

CIR	Circular Pipe
DEF	Deformed Pipe

INTERIOR DESIGNATION

(S)	Smooth Pipe Material
(C)	Corrugated Pipe Material
(SS)	Semi-Smooth Pipe Material

PIPE SIZE

Circular pipe is shown as diameter in inches
Deformed pipe is shown as area in square feet

* Refer to Standard Drawings 715-PHCL-20 through -22 for nominal diameter appropriate for pay item diameter.

** Tabulated thickness refers to top and side plates. For pipes and pipe-arches with a thickness less than .280 in., bottom plates shall be of next greater available thickness.

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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: PAW

INDIANA
DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL TABLE

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
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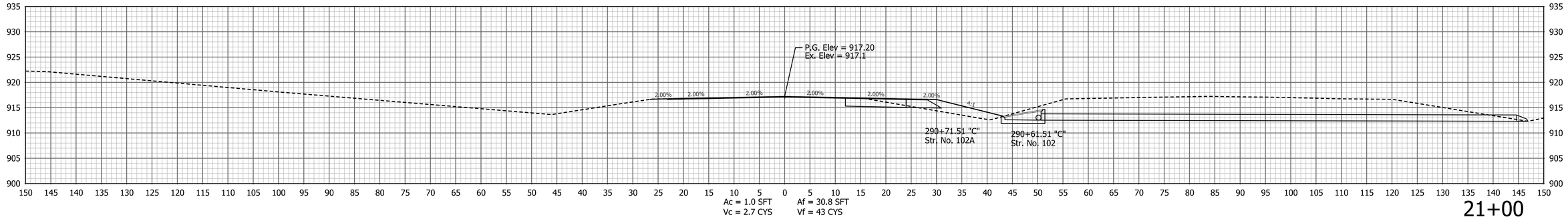
SURVEY BOOK	SHEETS
	74 of 98
CONTRACT	PROJECT
T-40428	1700050



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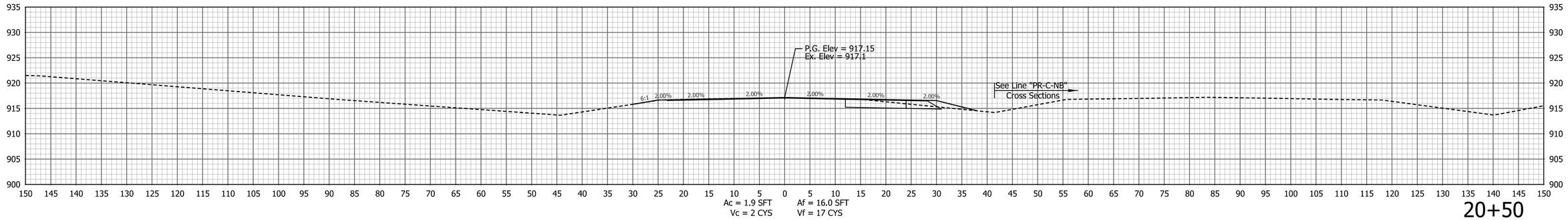

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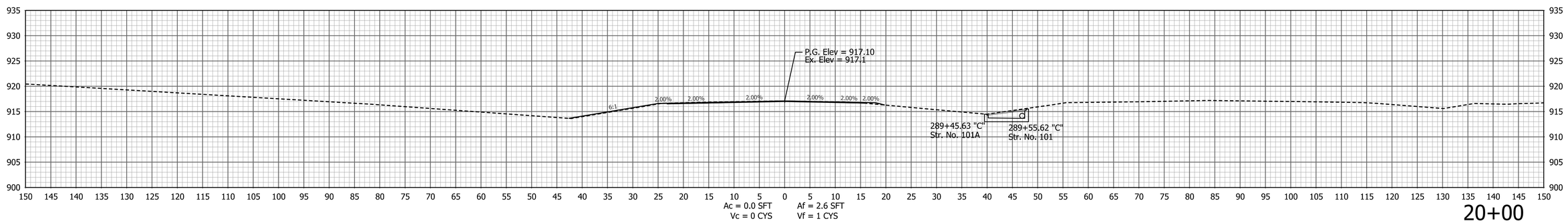

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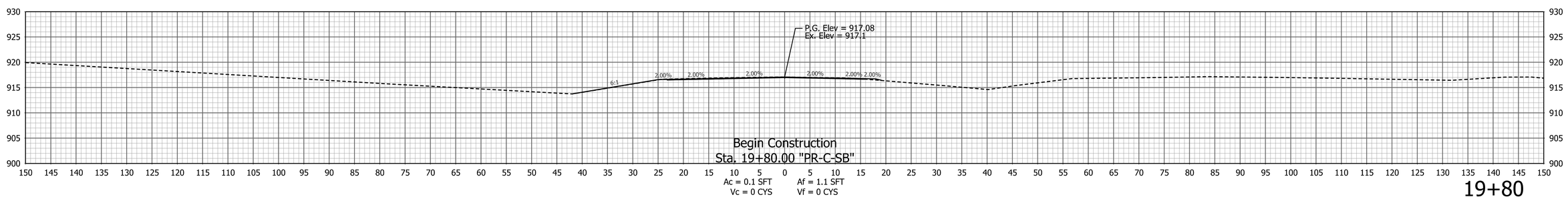

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	75 of 98
CONTRACT	PROJECT
T-40427	1700050

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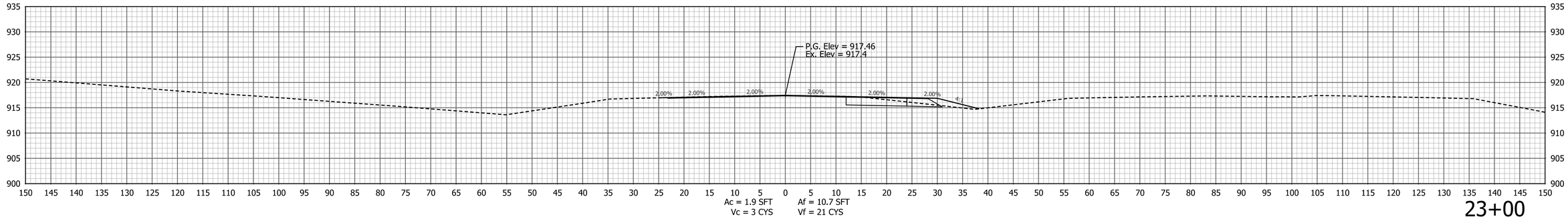

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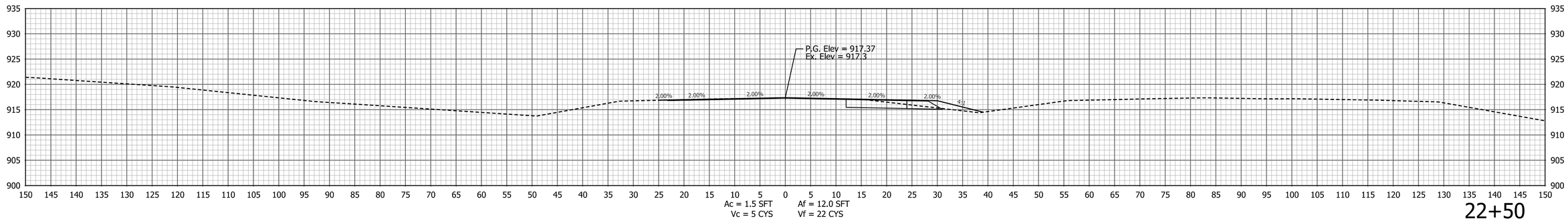

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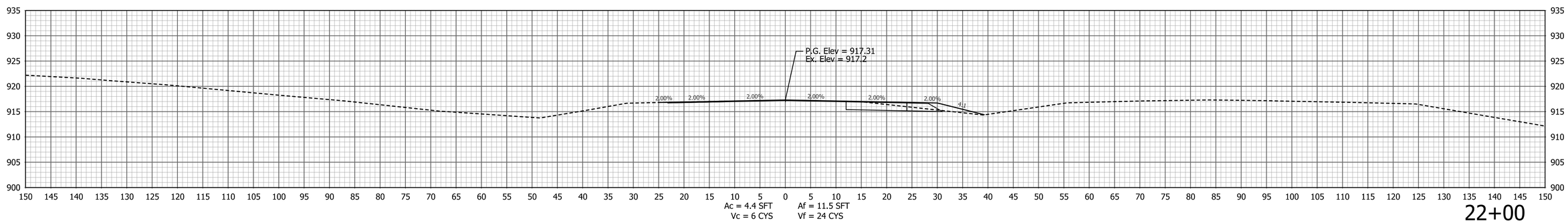

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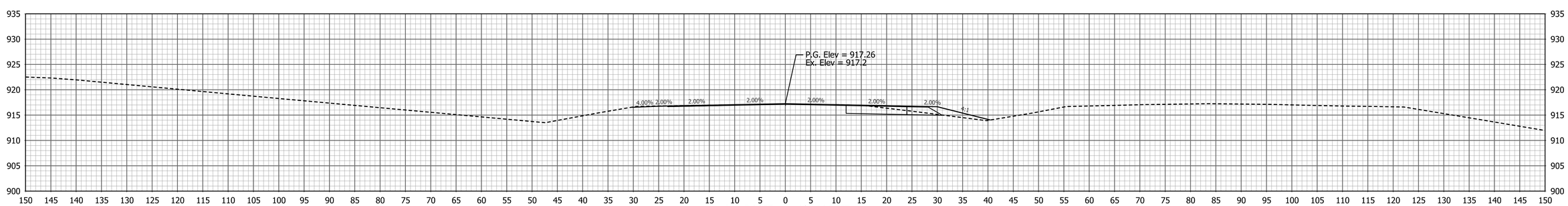

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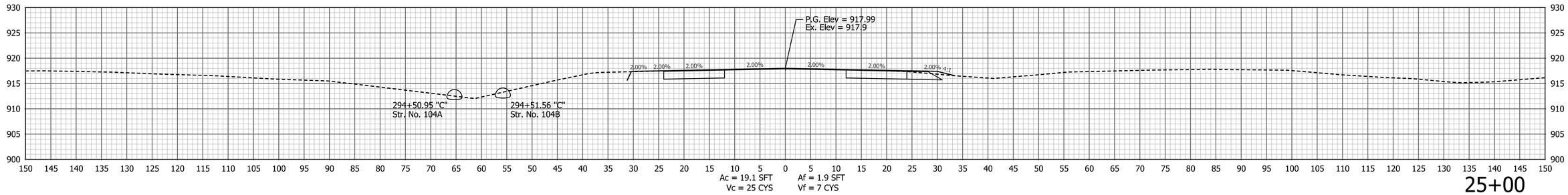
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	76 of 98
CONTRACT	PROJECT
T-40427	1700050



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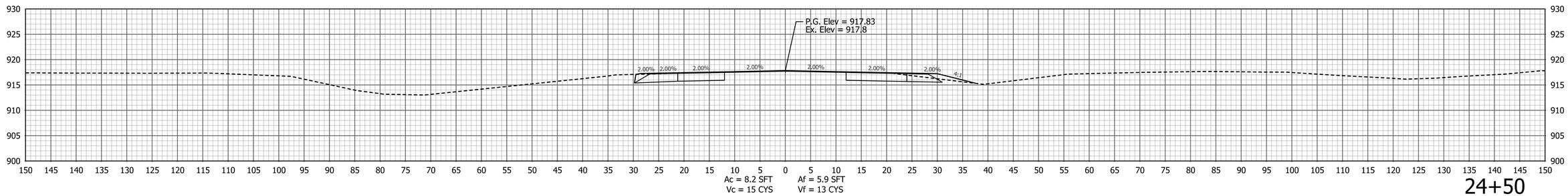

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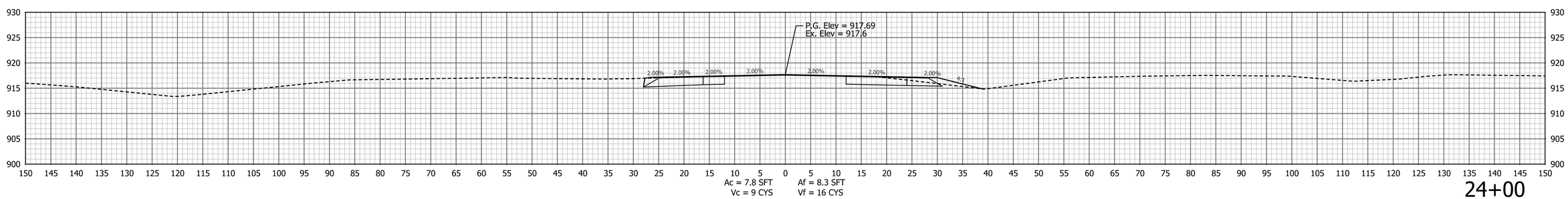

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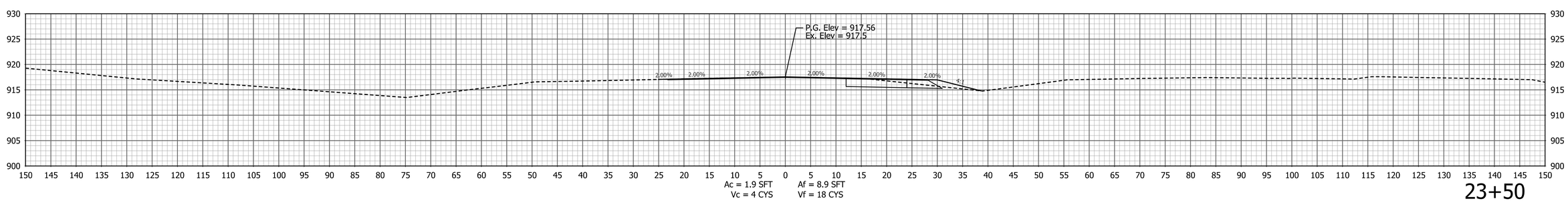

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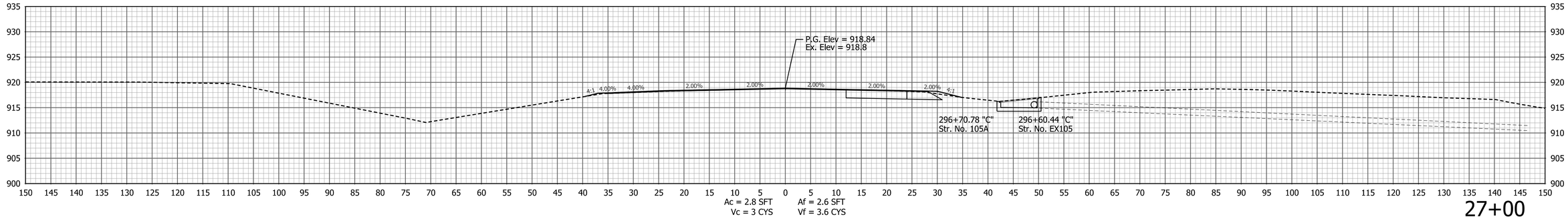
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	77 of 98
CONTRACT	PROJECT
T-40427	1700050



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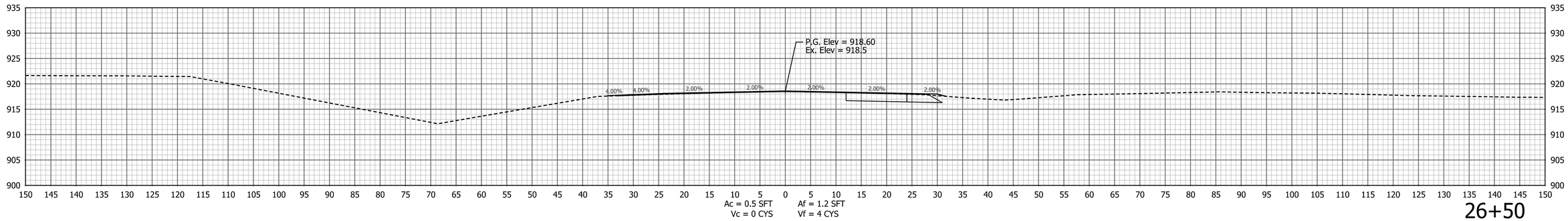

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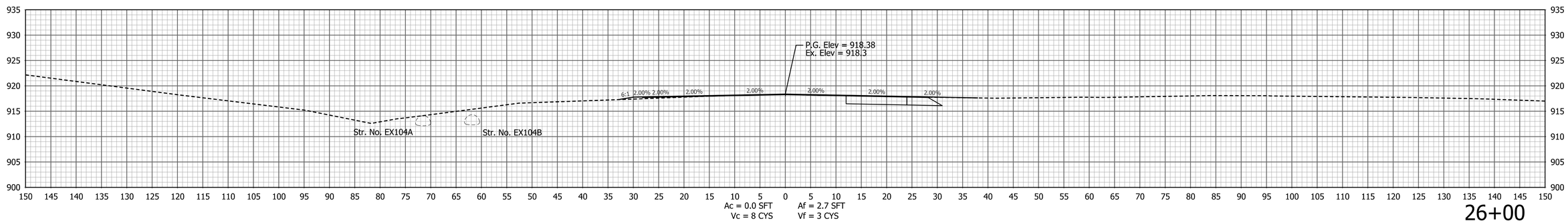

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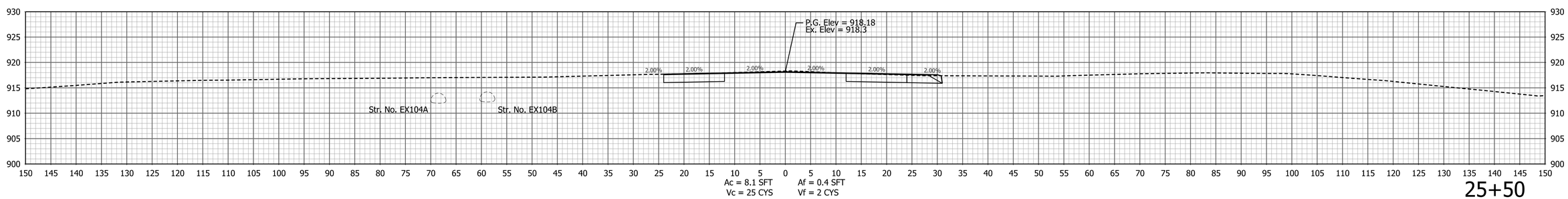

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TIME PLOTTED: 7:46:16 PM

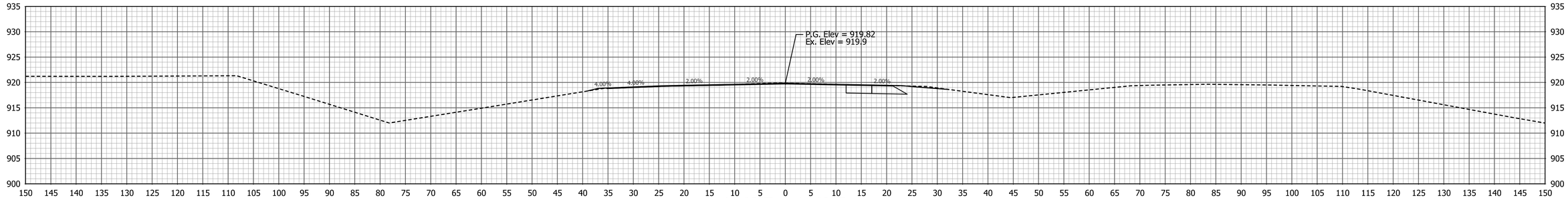
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

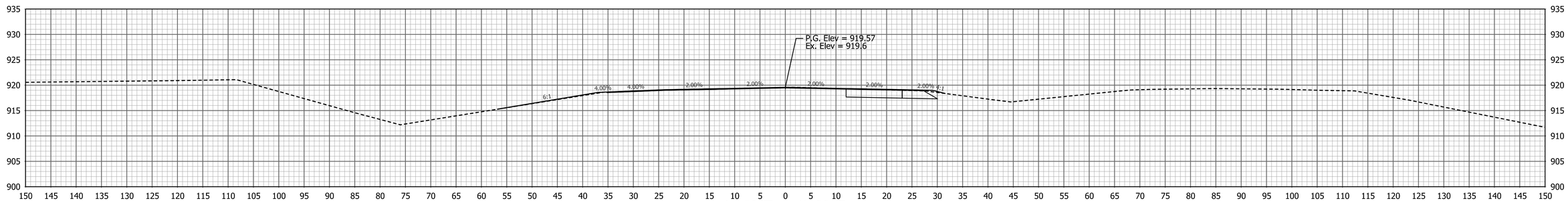
CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	78 of 98
CONTRACT	PROJECT
T-40427	1700050



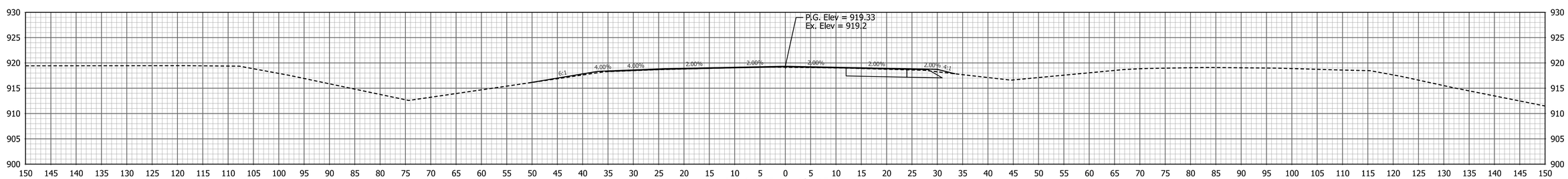
Ac = 0.5 SFT Af = 0.3 SFT
Vc = 1 CYS Vf = 2 CYS

29+00



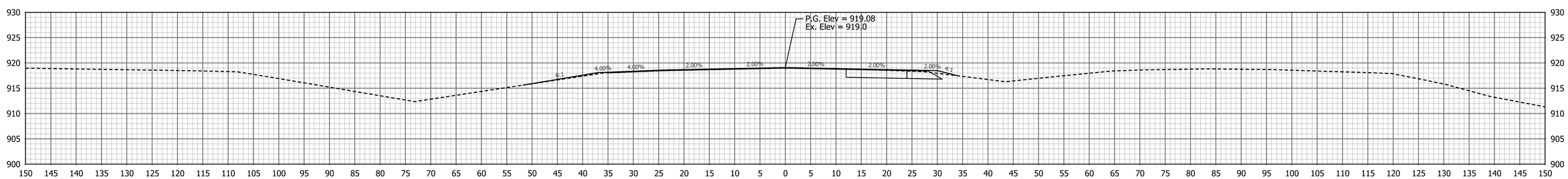
Ac = 0.0 SFT Af = 2.3 SFT
Vc = 1 CYS Vf = 6 CYS

28+50



Ac = 1.0 SFT Af = 4.2 SFT
Vc = 1.2 CYS Vf = 8 CYS

28+00



Ac = 0.4 SFT Af = 3.9 SFT
Vc = 3 CYS Vf = 6 CYS

27+50

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-SB_01.dgn
MODEL NAME: XS-005
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:17 PM

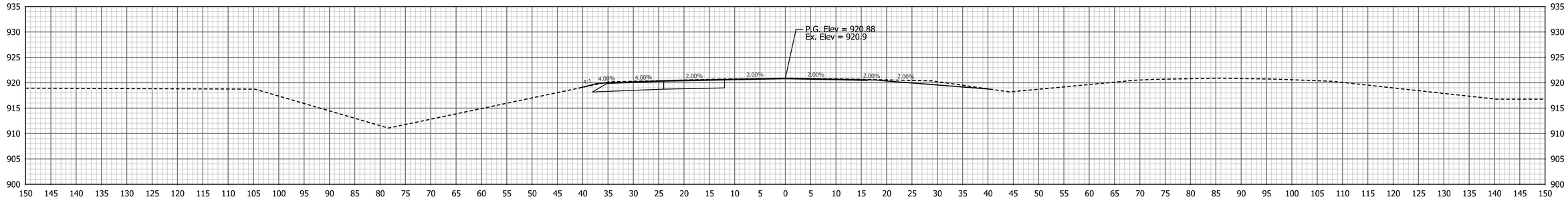
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

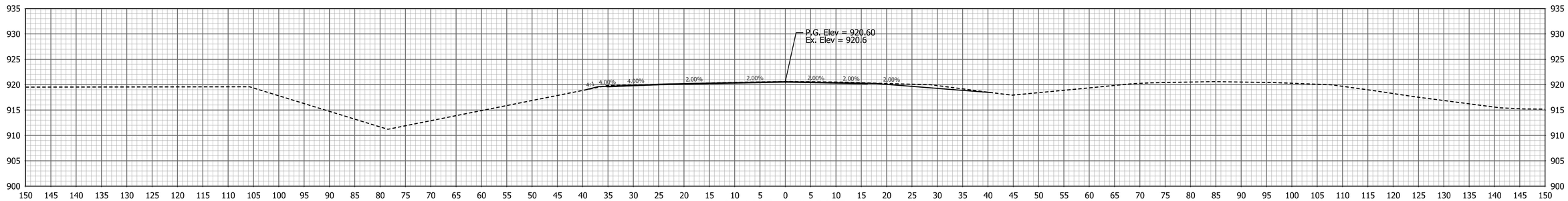
CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	79 of 98
CONTRACT	PROJECT
T-40427	1700050



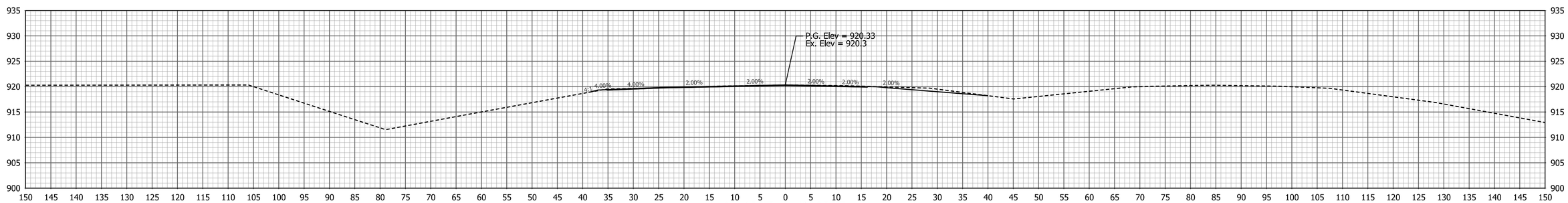
Ac = 16.7 SFT Af = 0.4 SFT
Vc = 20 CYS Vf = 1 CYS

31+00



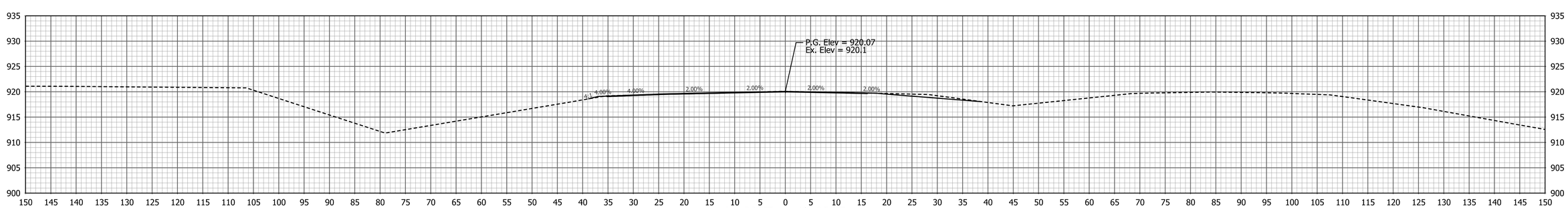
Ac = 4.8 SFT Af = 0.4 SFT
Vc = 8 CYS Vf = 0 CYS

30+50



Ac = 4.3 SFT Af = 0.2 SFT
Vc = 7 CYS Vf = 0 CYS

30+00



Ac = 3.3 SFT Af = 0.2 SFT
Vc = 4 CYS Vf = 1 CYS

29+50

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-SB_01.dgn
MODEL NAME: XS-006
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:18 PM

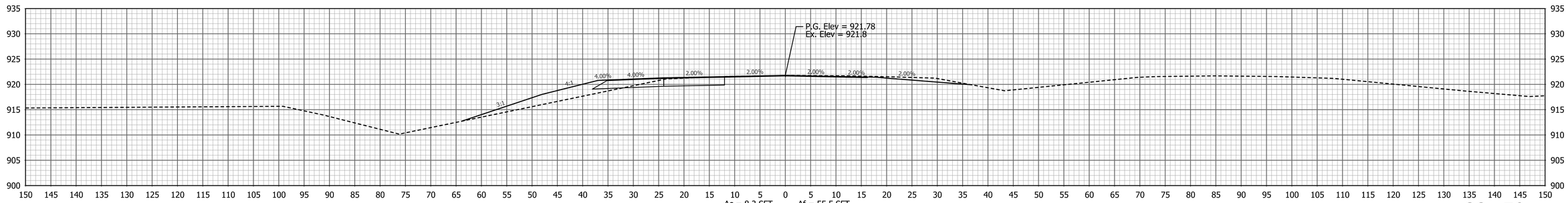
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

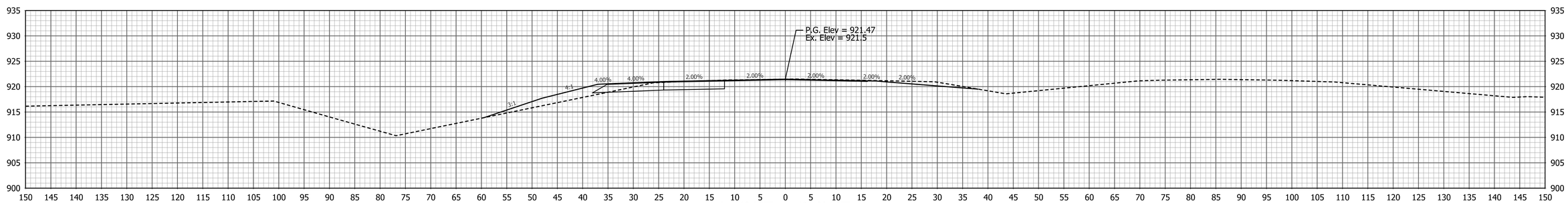
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

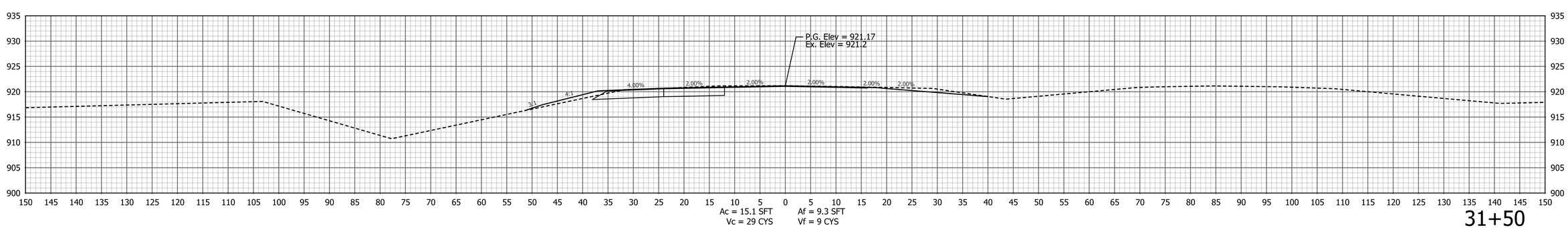
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	80 of 98
CONTRACT	PROJECT
T-40427	1700050



32+50



32+00



31+50

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-SB_01.dgn
MODEL NAME: XS-007
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:19 PM

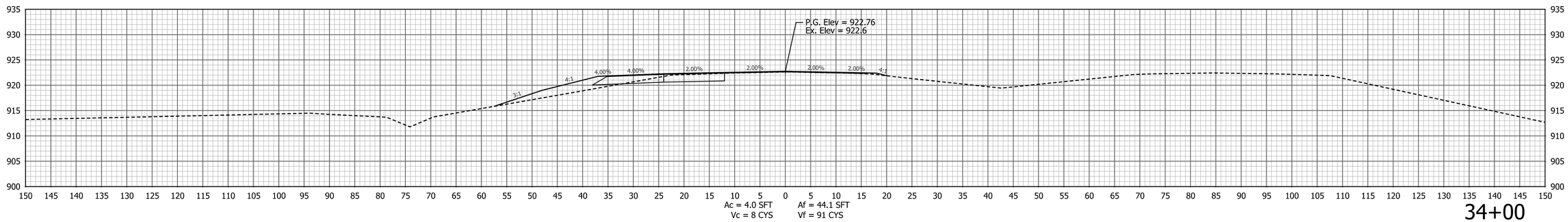
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

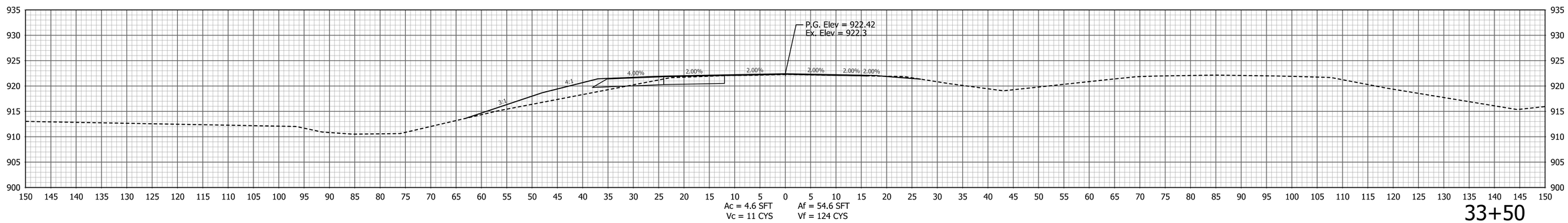
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

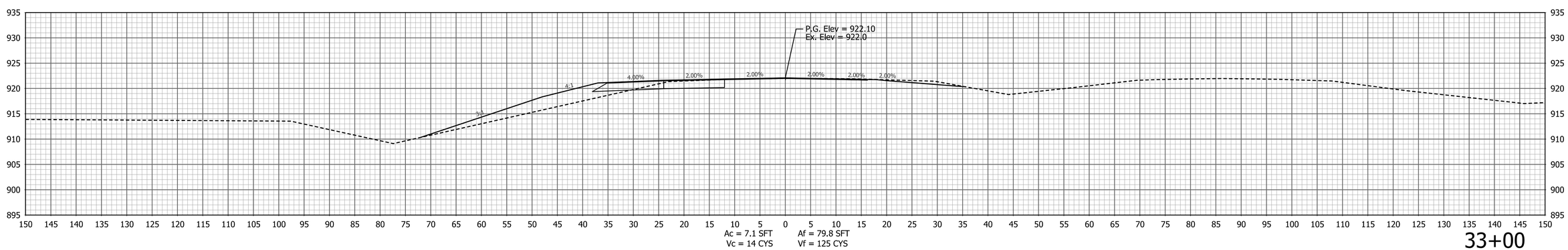
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	81 of 98
CONTRACT	PROJECT
T-40427	1700050



34+00



33+50



33+00

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht-Xsec_10_C-SB_01.dgn
MODEL NAME: XS-008
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:19 PM

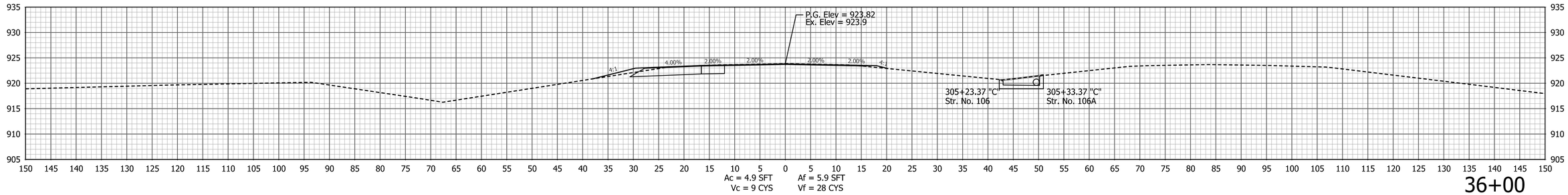
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

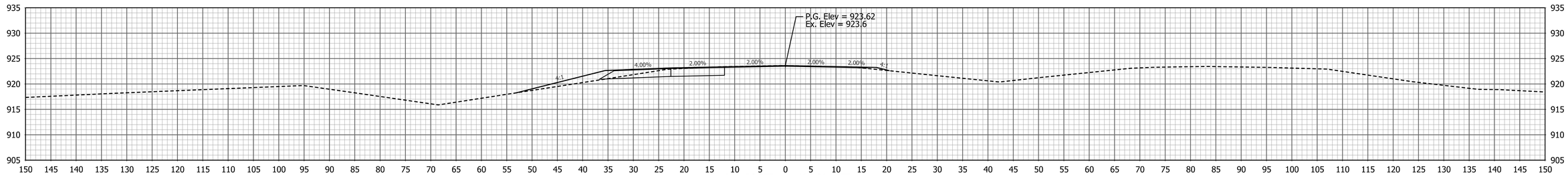
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

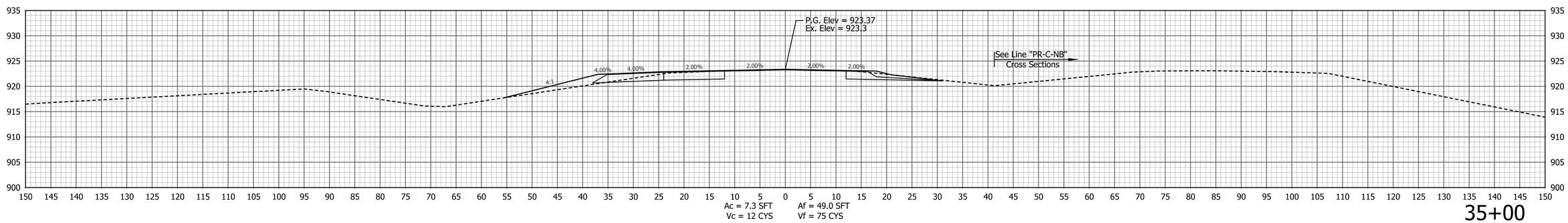
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	82 of 98
CONTRACT	PROJECT
T-40427	1700050



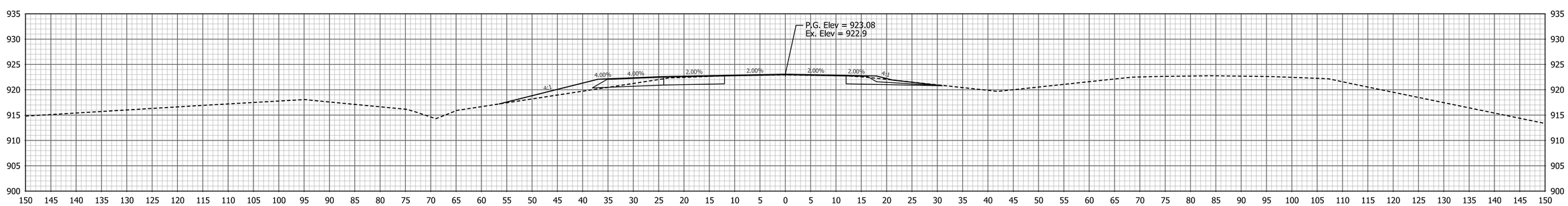
36+00



35+50



35+00



34+50

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MODEL NAME: XS-009
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:20 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

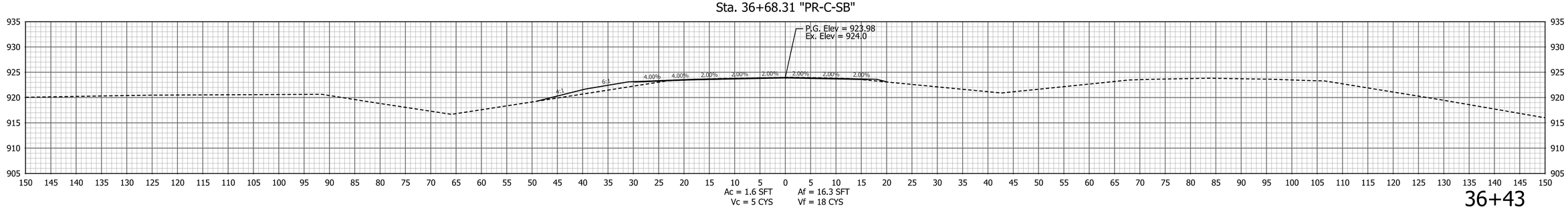
DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	83 of 98
CONTRACT	PROJECT
T-40427	1700050

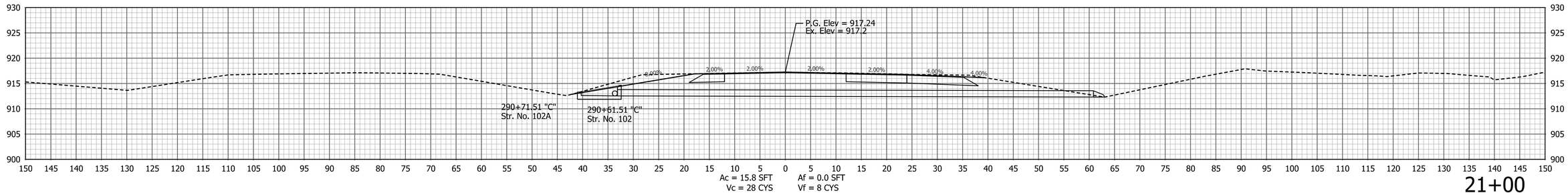
End Construction
Sta. 36+68.31 "PR-C-SB"



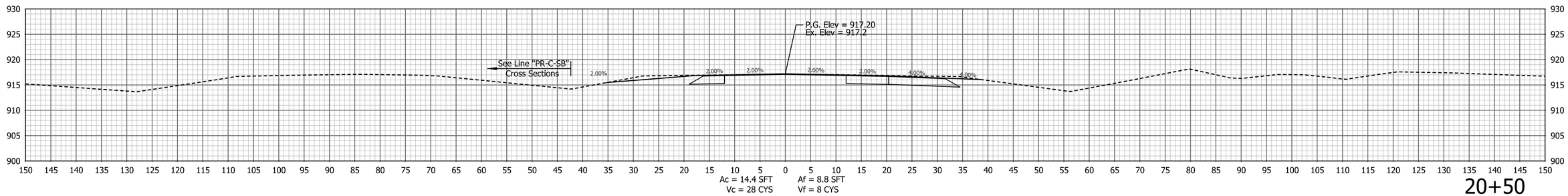
36+43

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 10'	BRIDGE FILE N/A
		VERTICAL SCALE 1" = 10'	DESIGNATION 1700050
DESIGNED: CJC / DRAWN: DLM	CROSS SECTIONS STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-SB"	SURVEY BOOK	SHEETS 84 of 98
CHECKED: PAW / CHECKED: CJC		CONTRACT T-40427	PROJECT 1700050

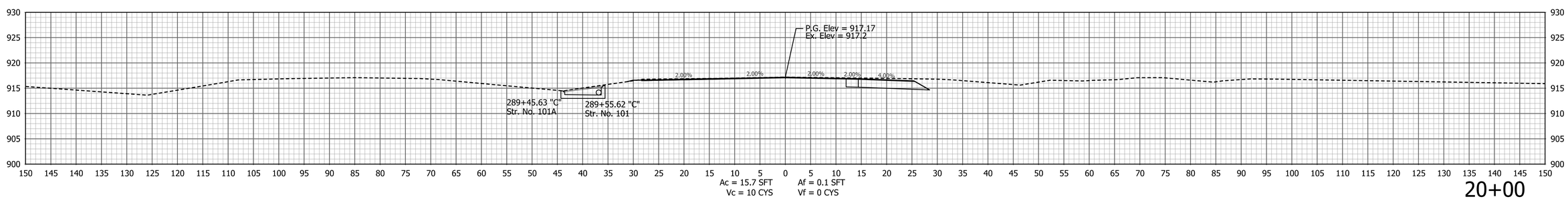
PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-SB_01.dgn
MODEL NAME: XS-010
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:21 PM



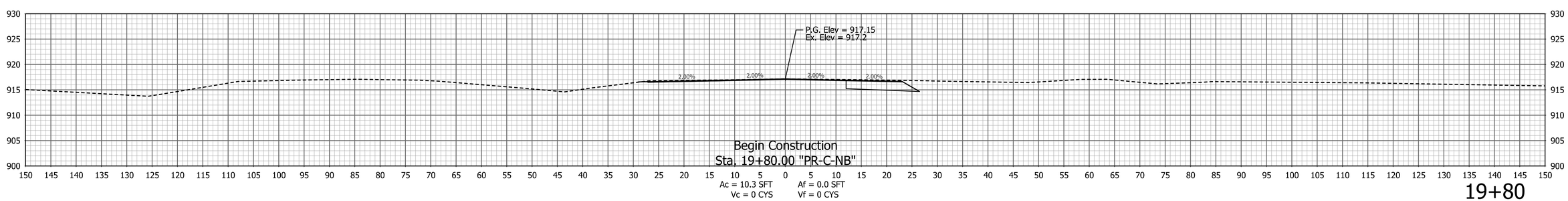
21+00



20+50



20+00



19+80

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-NB_01.dgn
MODEL NAME: XS-001
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:32 PM

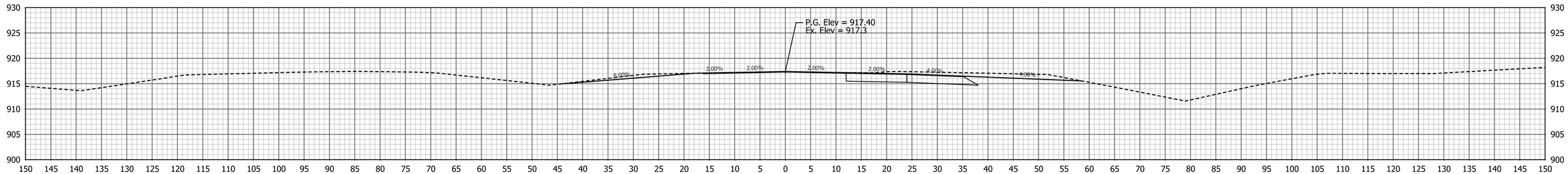
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

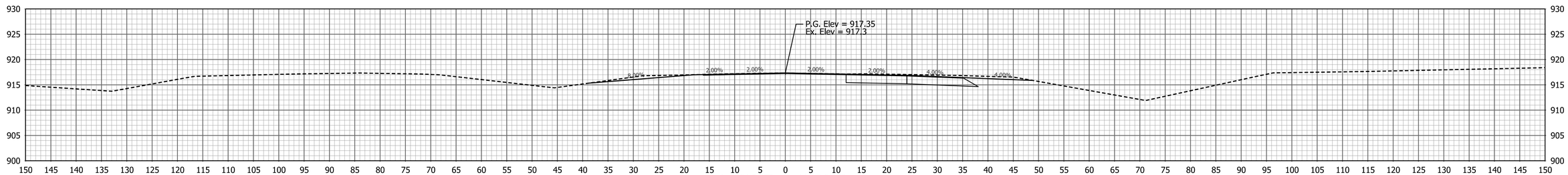
CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	85 of 98
CONTRACT	PROJECT
T-40427	1700050



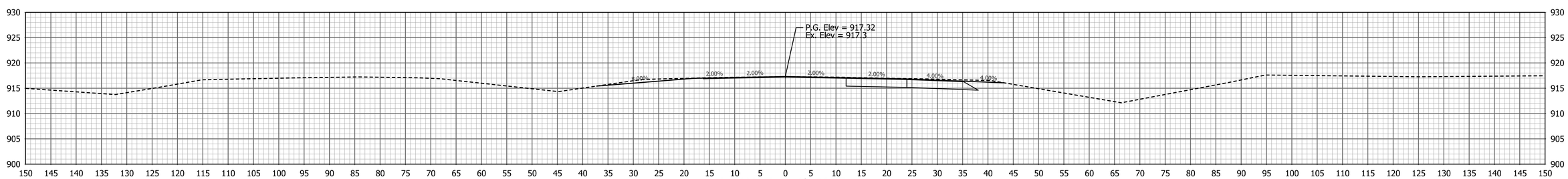
Ac = 41.9 SFT Af = 0.0 SFT
Vc = 61 CYS Vf = 0 CYS

23+00



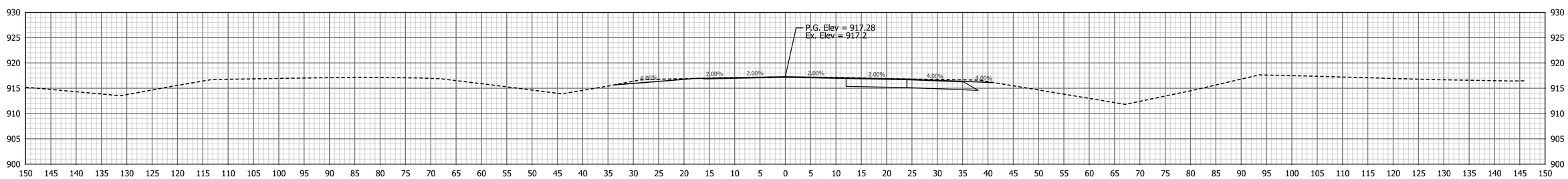
Ac = 24.0 SFT Af = 0.0 SFT
Vc = 39 CYS Vf = 0 CYS

22+50



Ac = 18.0 SFT Af = 0.0 SFT
Vc = 30 CYS Vf = 0 CYS

22+00



Ac = 14.2 SFT Af = 0.0 SFT
Vc = 28 CYS Vf = 0 CYS

21+50

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-NB_01.dgn
MODEL NAME: XS-002
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:33 PM

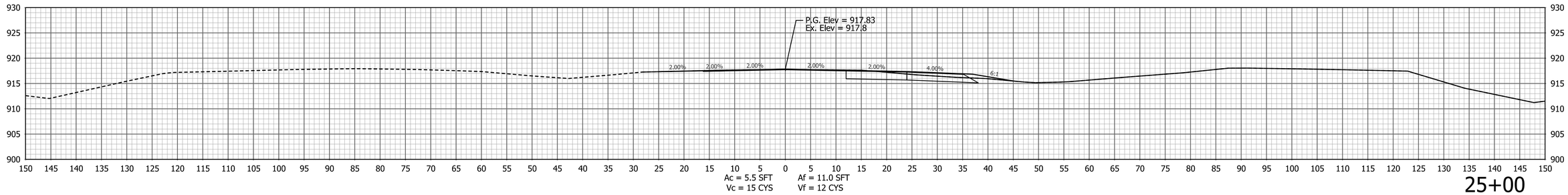
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

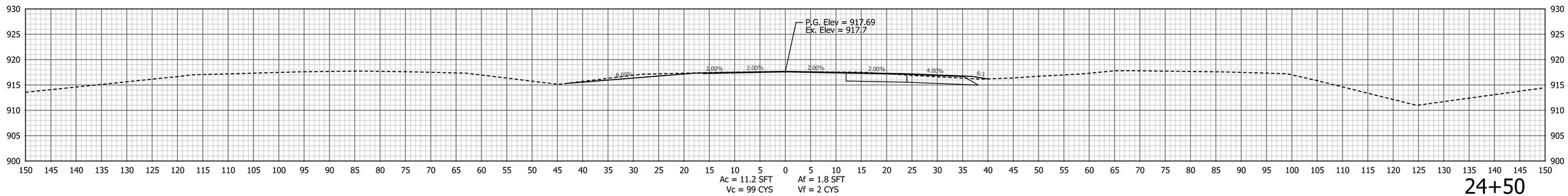
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

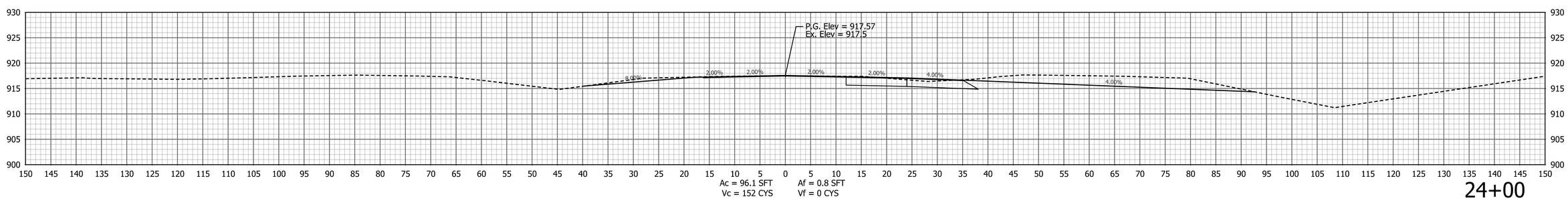
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	86 of 98
CONTRACT	PROJECT
T-40427	1700050



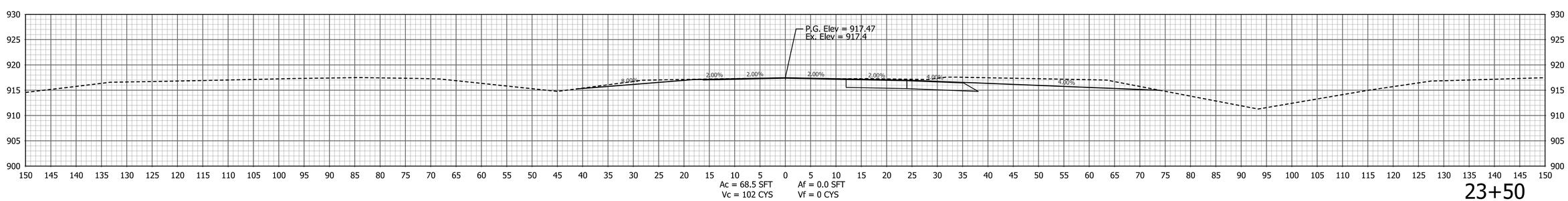
25+00



24+50



24+00



23+50

PATH AND FILENAME: V:\Projects\ANY\K5\35244\CADD_MSTN\Sheet Drawings\Sht Xsec_10_C-NB_01.dgn
MODEL NAME: XS-003
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:33 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

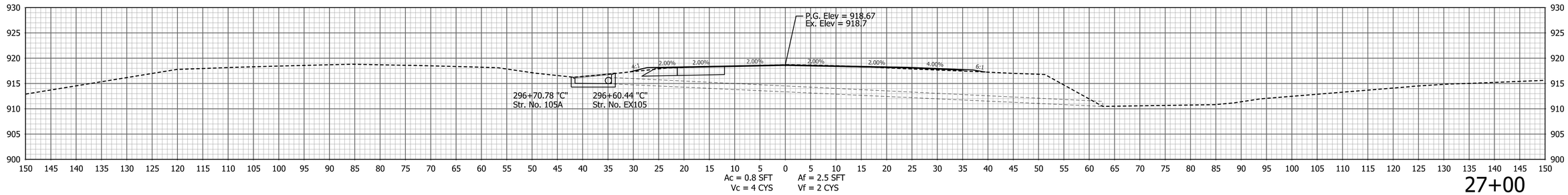
DESIGNED: CJC DRAWN: DLM

CHECKED: PAW CHECKED: CJC

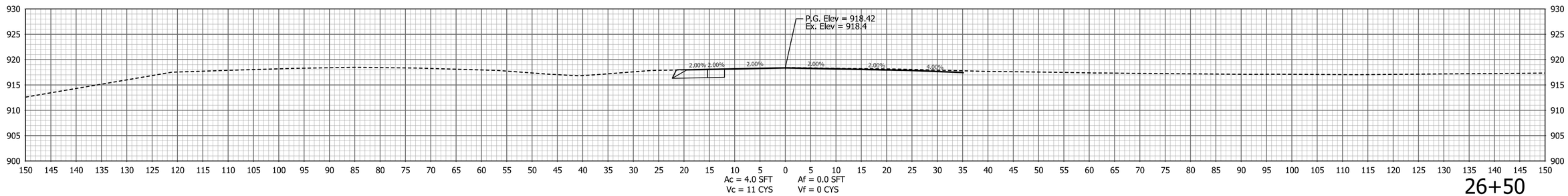
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

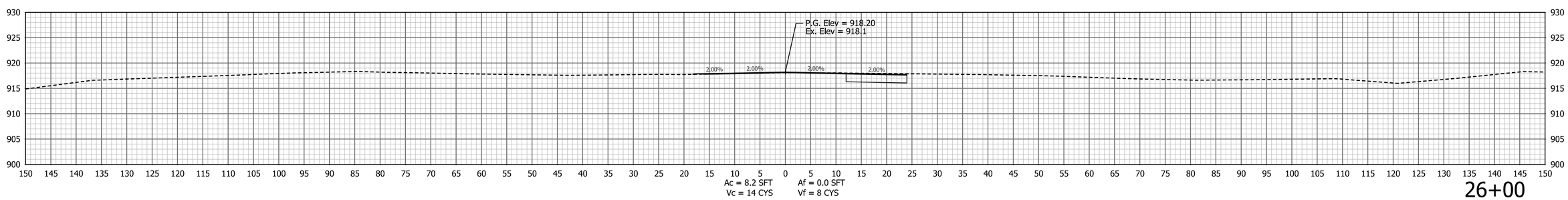
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	87 of 98
CONTRACT	PROJECT
T-40427	1700050



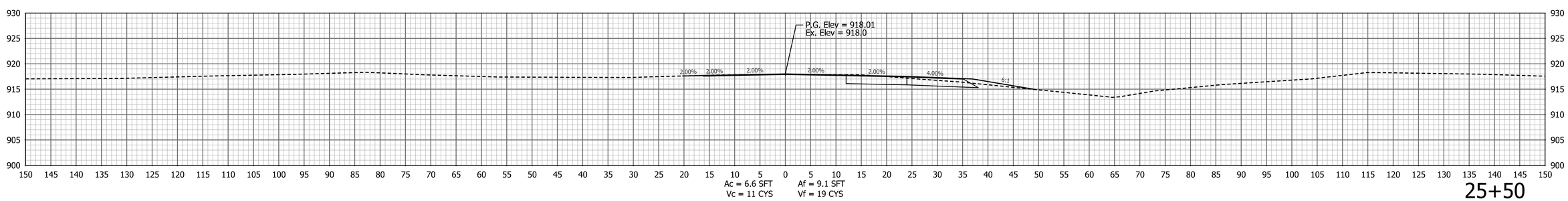
27+00



26+50



26+00



25+50

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MODEL NAME: XS-004
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:35 PM

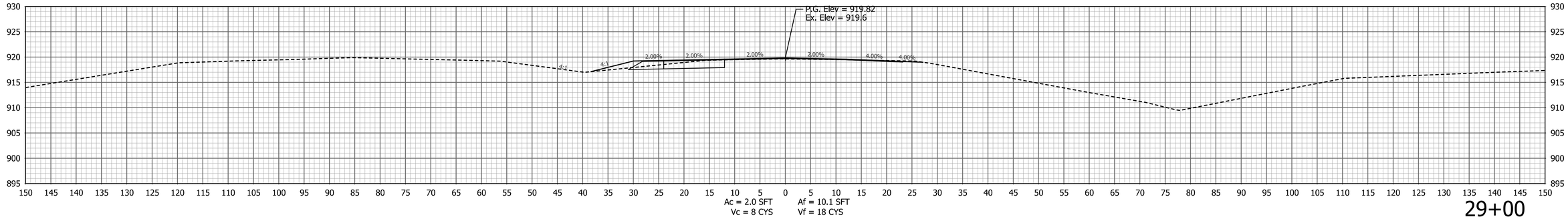
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

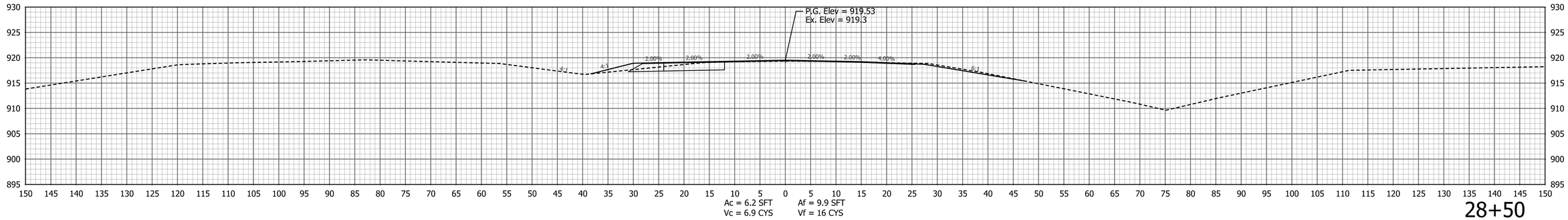
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

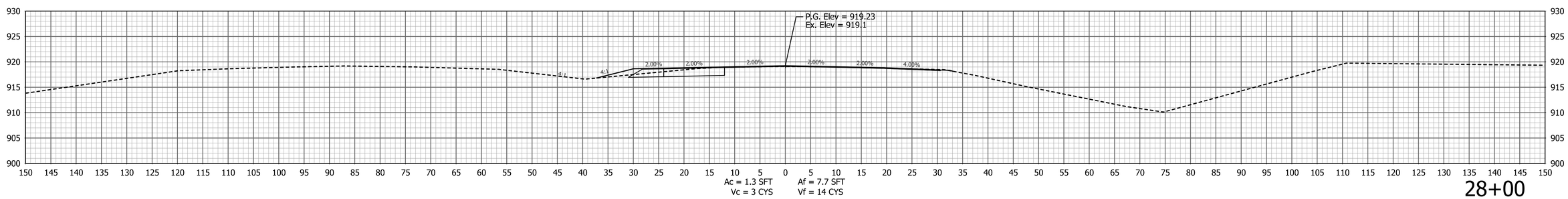
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	88 of 98
CONTRACT	PROJECT
T-40427	1700050



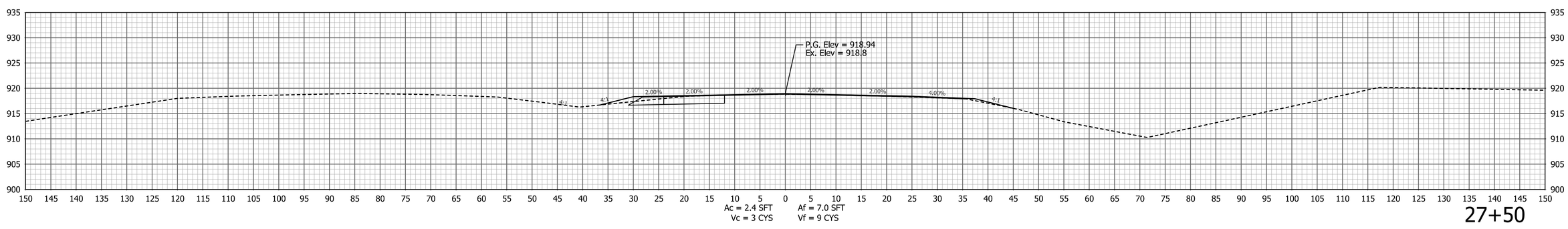
29+00



28+50



28+00



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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:35 PM

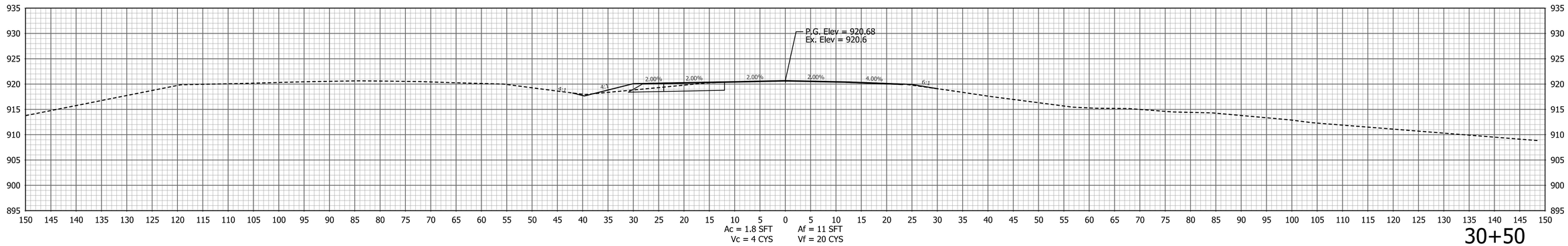
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

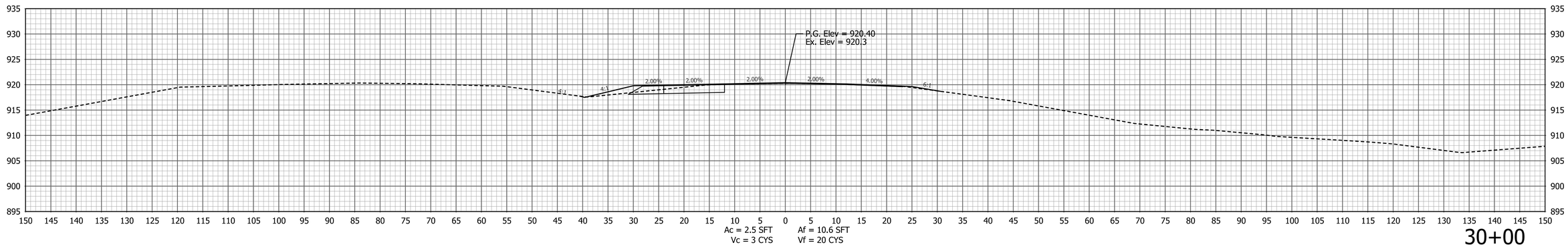
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

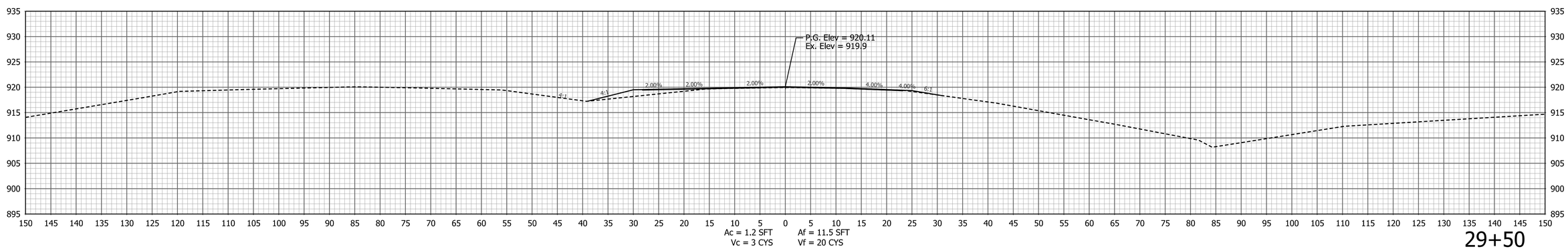
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	89 of 98
CONTRACT	PROJECT
T-40427	1700050



30+50



30+00



29+50

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:36 PM

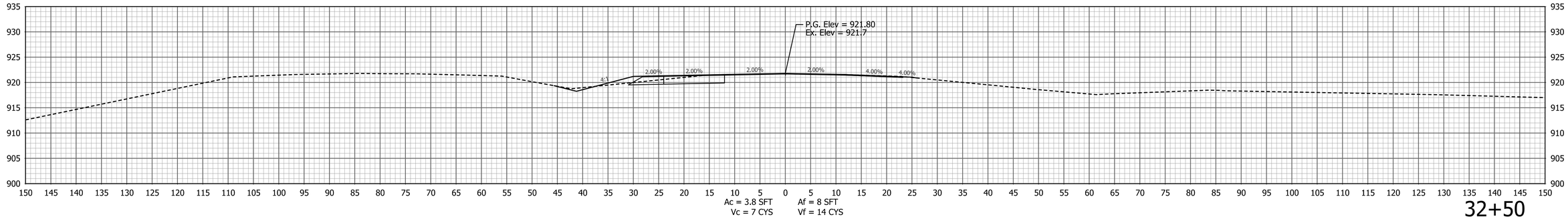
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	90 of 98
CONTRACT	PROJECT
T-40427	1700050



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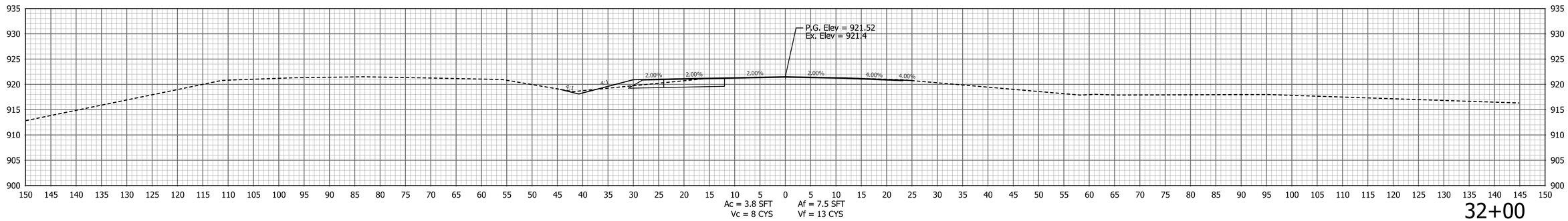

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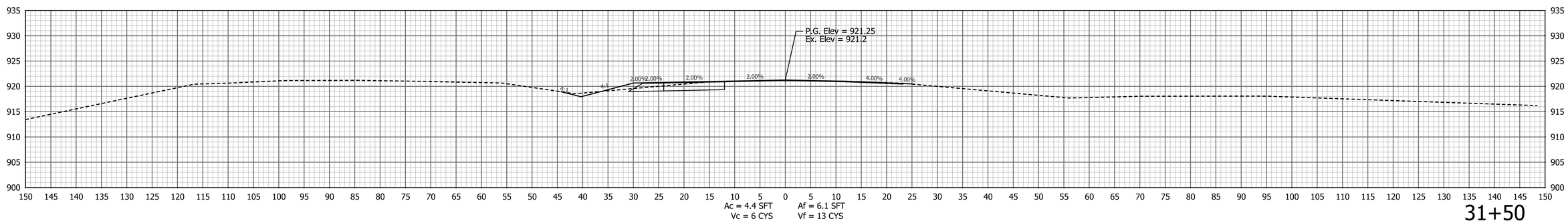
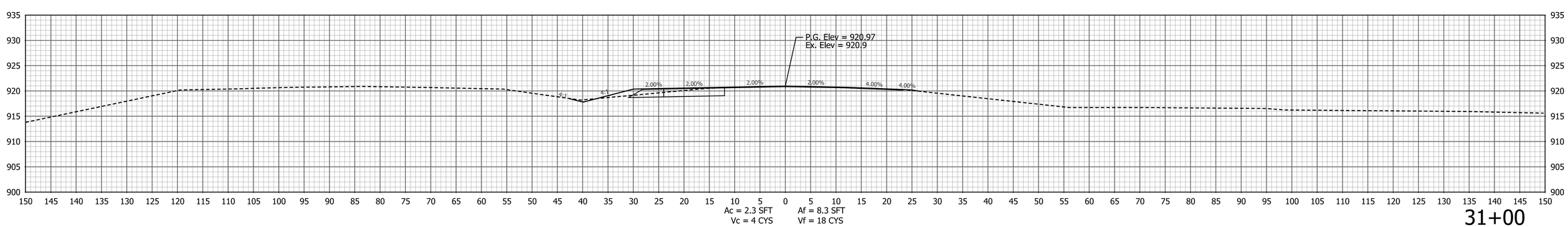


31+50



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MODEL NAME: XS-007
DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:37 PM

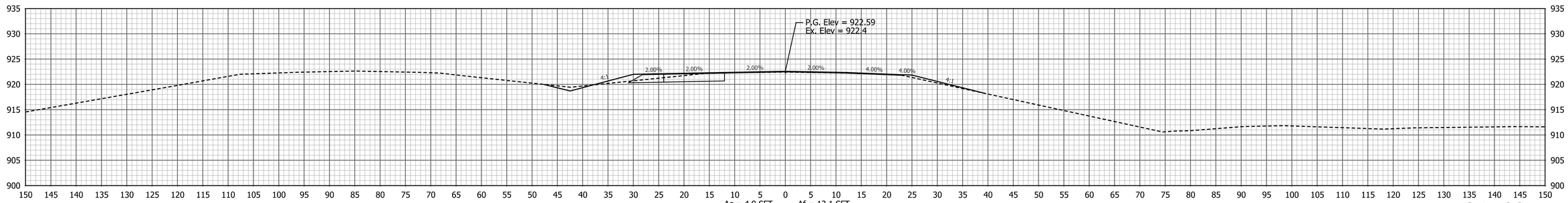
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	91 of 98
CONTRACT	PROJECT
T-40427	1700050



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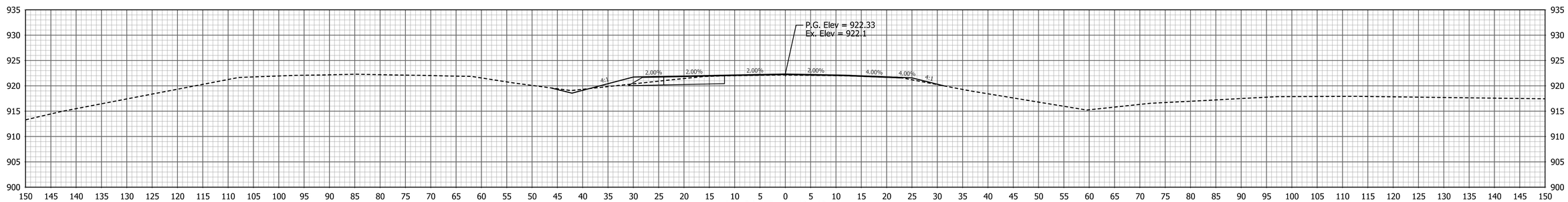

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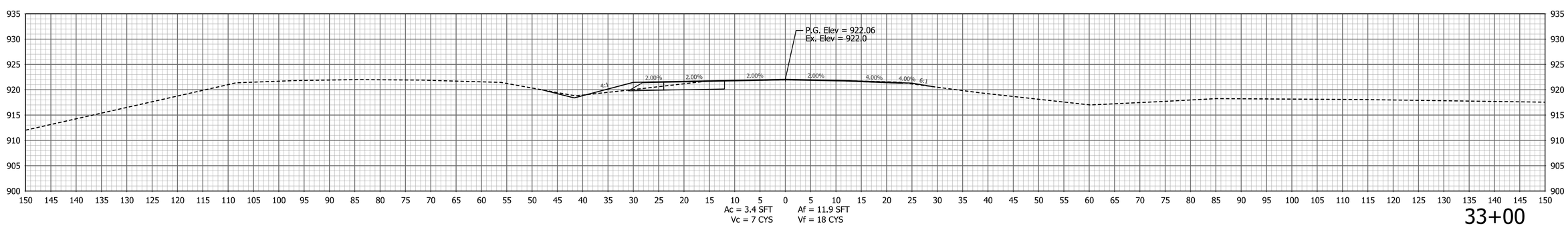

33+00

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:38 PM

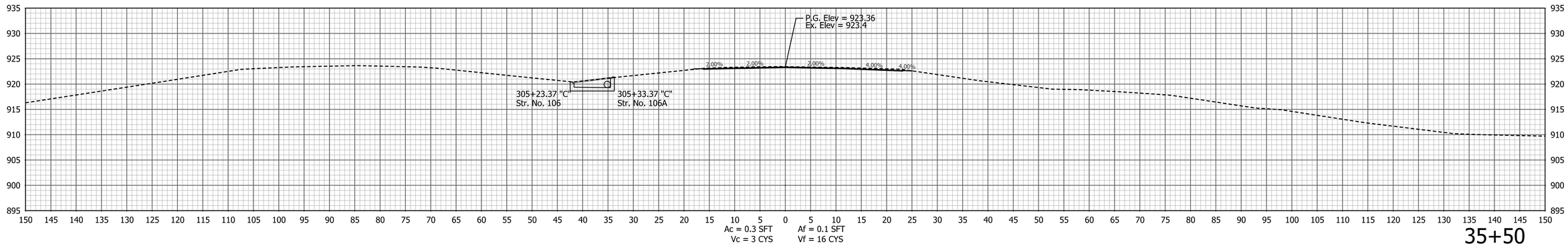
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

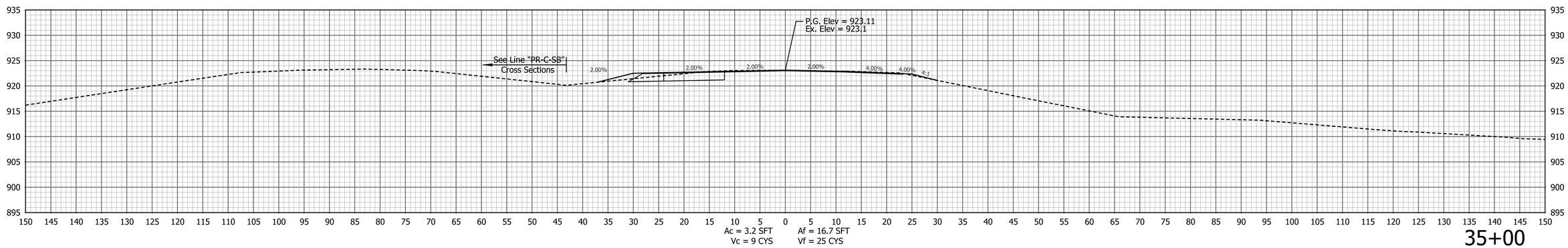
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	92 of 98
CONTRACT	PROJECT
T-40427	1700050



35+50



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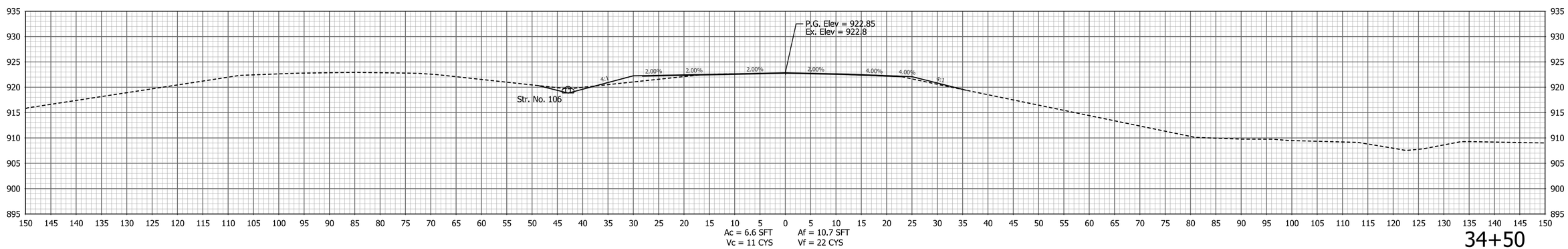

34+50

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:39 PM

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

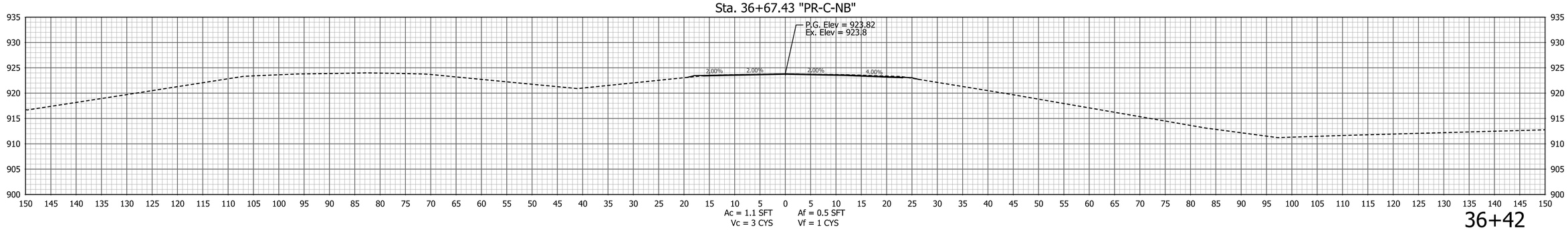
DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

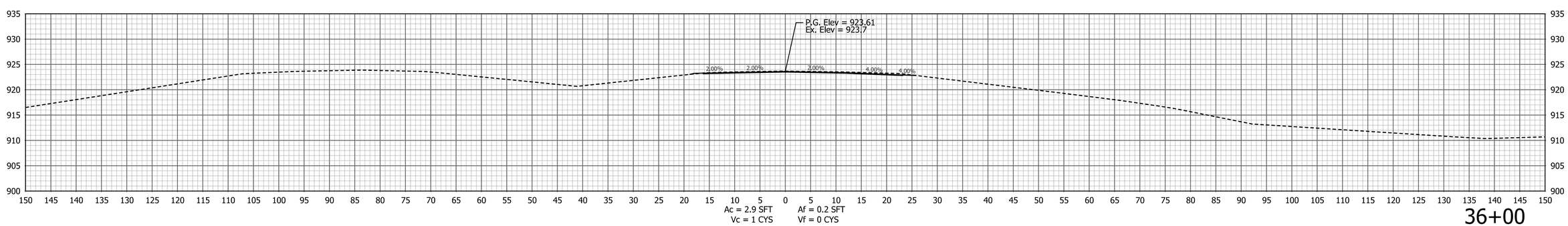
CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	93 of 98
CONTRACT	PROJECT
T-40427	1700050

End Construction
Sta. 36+67.43 "PR-C-NB"



36+42



36+00

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TIME PLOTTED: 7:46:40 PM

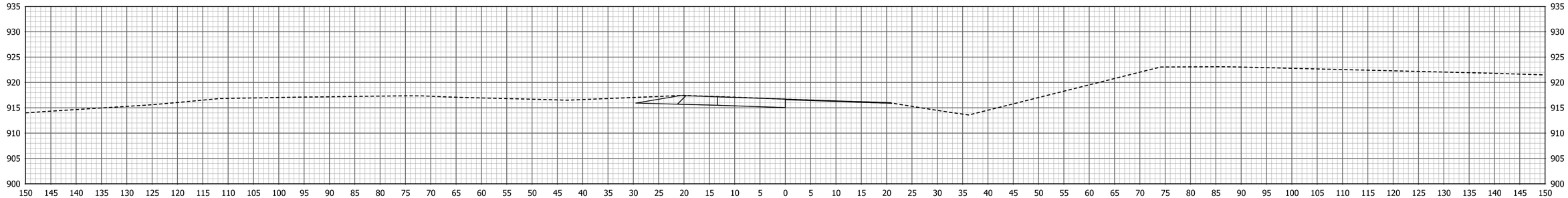
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-C-NB"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	94 of 98
CONTRACT	PROJECT
T-40427	1700050



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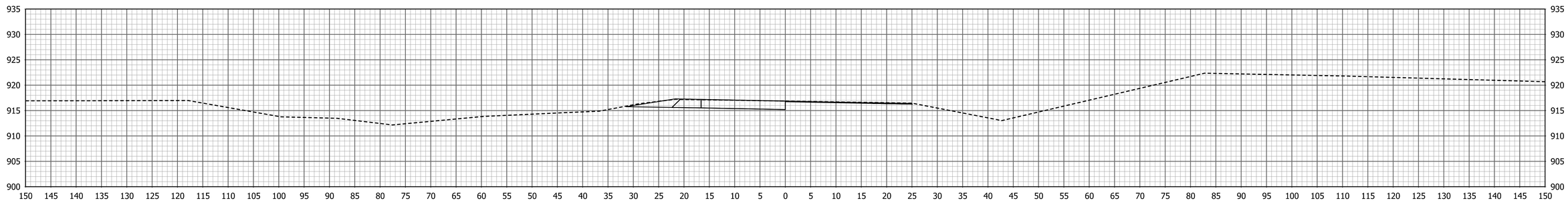

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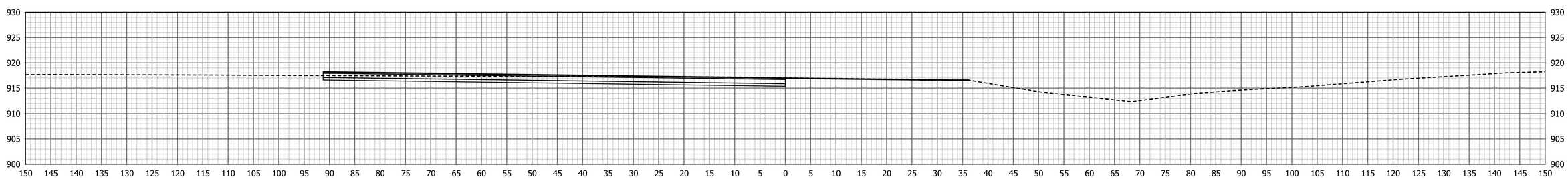

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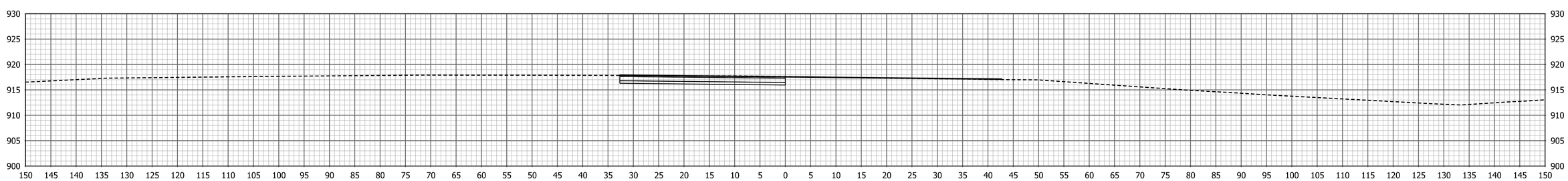

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:45 PM

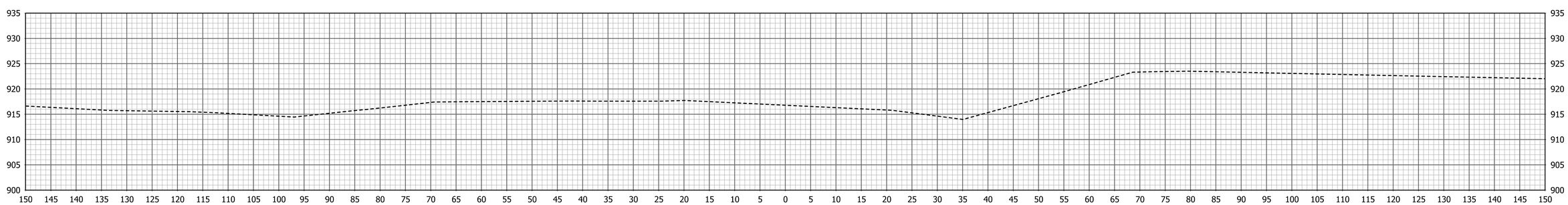
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	95 of 98
CONTRACT	PROJECT
T-40427	1700050



12+38

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:45 PM

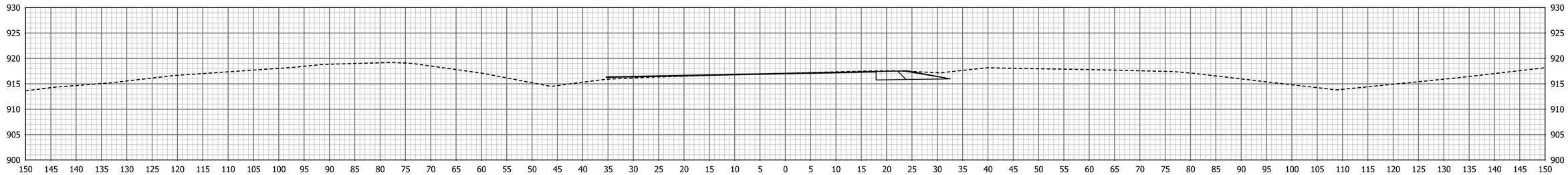
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE ROAD 3 & STATE ROAD 46 - LINE "PR-B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	96 of 98
CONTRACT	PROJECT
T-40427	1700050



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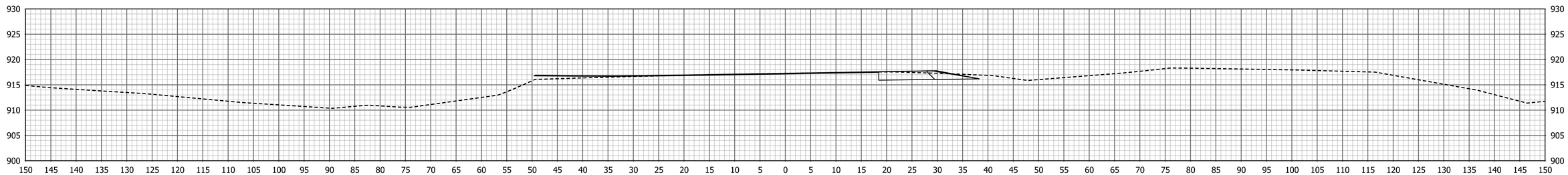

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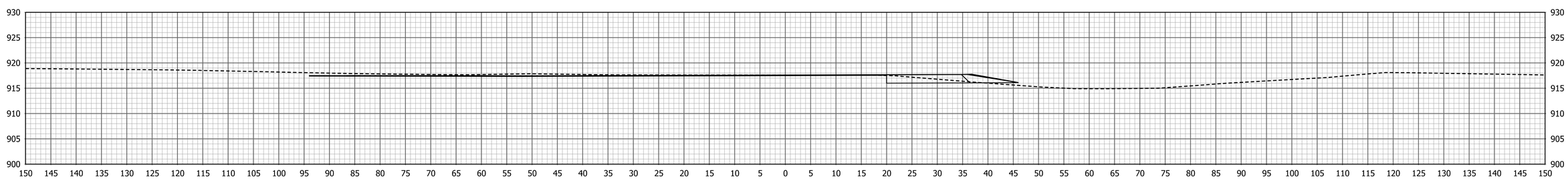

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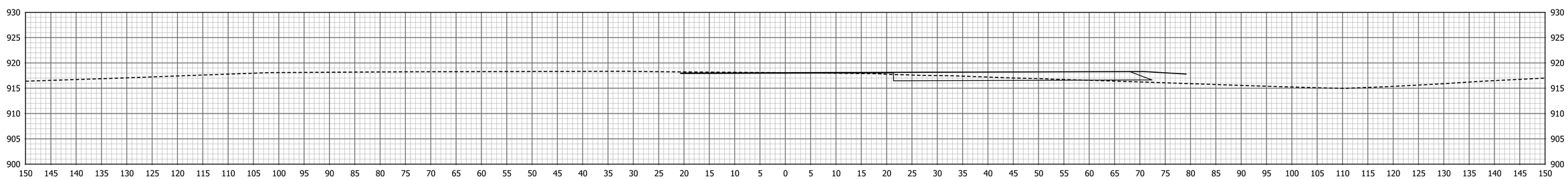

50+56

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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:51 PM

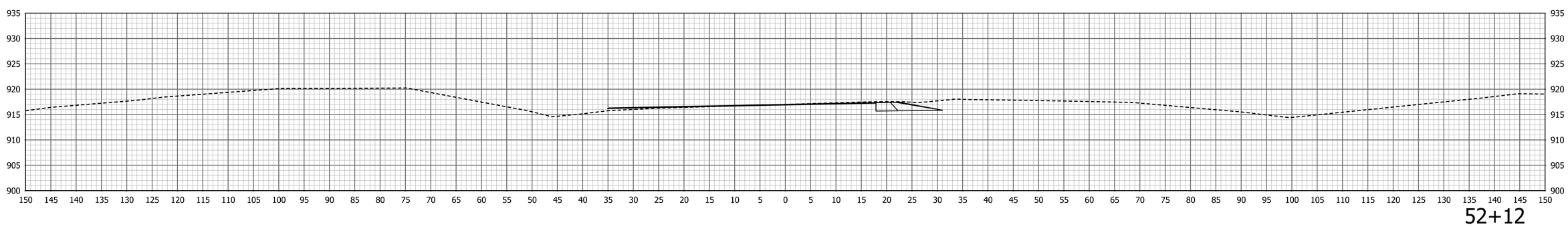
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC DRAWN: DLM
CHECKED: PAW CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 3 & SR 46 - LINE "PR-S-SR46-2-C"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	97 of 98
CONTRACT	PROJECT
T-40427	1700050



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DATE PLOTTED: 1/6/2021
TIME PLOTTED: 7:46:51 PM

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: CJC | DRAWN: DLM
CHECKED: PAW | CHECKED: CJC

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SR 3 & SR 46 - LINE "PR-S-SR46-2-C"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700050
SURVEY BOOK	SHEETS
	98 of 98
CONTRACT	PROJECT
T-40427	1700050