PROJECT	DESIGNATION
1700198	1700198
CONTRACT	BRIDGE FILE
R-42426	N/A

INDIANA DEPARTMENT OF TRANSPORTATION

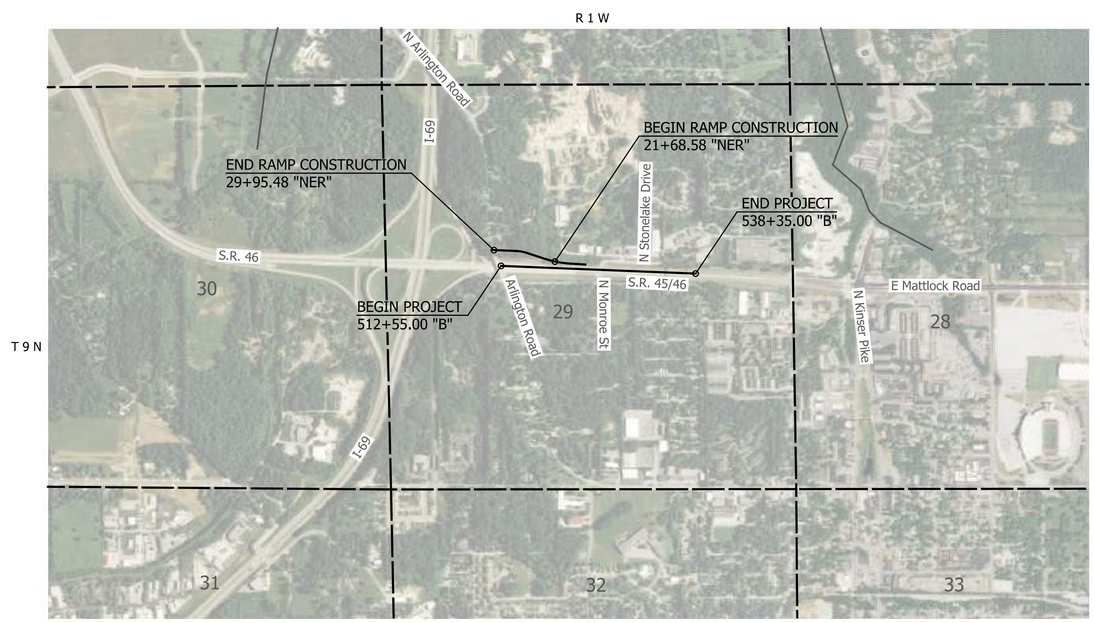
ROAD PLANS

ROUTE: S.R. 45/46 FROM: RP 38+21 TO: RP 38+70

PROJECT NO.

1700198 P.E.
1700198 R/W
1700198 CONST.

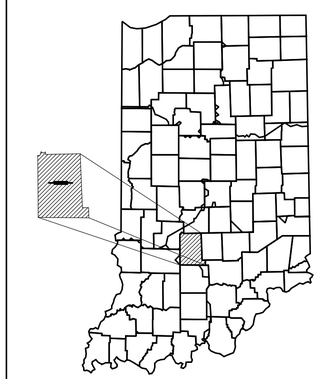
Project Description:
Roadway Widening, Ramp Construction, and Access Improvements Along SR 45/46 Beginning Approx. 0.19 Miles East of I-69, Thence Easterly 0.49 Miles to a Point Approx. 0.23 Miles West of Kinser Pike, All in Section 29, Township 9 North, Range 1 West, Bloomington Township, Monroe County, Indiana.



SCALE 1"=1000'

TRAFFIC DATA		S.R. 45/46
A.A.D.T.	2023	30,588 V.P.D.
A.A.D.T.	2043	32,730 V.P.D.
D.H.V	2043	3,231 V.P.D.
DIRECTIONAL DISTRIBUTION		50.4 %
TRUCKS		4.22 % A.A.D.T.
		3.64% D.H.V.

DESIGN DATA	
DESIGN SPEED	50 M.P.H. (POSTED 45 M.P.H.)
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (Intermediate)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



PROJECT LOCATION SHOWN BY

MONROE COUNTY

LATITUDE: 39° 11' 13" LONGITUDE: 86° 32' 48"

Gross Length: 0.49 MI.
Net Length: 0.49 MI.
Maximum Grade: 2.9% (Exist.)
HUC Code: 05120202010070

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS.

PLANS PREPARED BY: American Structurepoint, Inc. (317) 547-5580 PHONE NUMBER

CERTIFIED BY: DATE

APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE
N/A
DESIGNATION
1700198

SURVEY BOOK	SHEETS		
N/A	1	of	131
CONTRACT	PROJECT		
R-42426	1700198		

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UTILITIES

ELECTRIC
DUKE ENERGY DISTRIBUTION
2727 Center Ave.
Columbus, IN 47201
(463) 233-9064
Contact: Rosandly Pierre

DUKE ENERGY TRANSMISSION
1000 E. Main St.
Plainfield, IN 46168
(317) 838-1053
Contact: Zach Boston

CENTERPOINT ENERGY DISTRIBUTION
4234 Middle Road
Columbus, IN 47203
(812)-348-6703
Contact: Timothy Langston

INTERNET
ZAYO BANDWITH
625 East 11th St.
Indianapolis, IN 46202
(317) 524-5711
Contact: John Senese

COMCAST
2520 Endress Place
Greenwood, IN 46143
(317) 945-2670
Contact: Richard Miller

INDIANA UNIVERSITY FIBER
820 N. Walnut Grove
Bloomington, IN 47405
(812) 320-9317
Contact: Scot Osborn

COMMUNICATION
AT&T - DISTRIBUTION
4517 E Indiana Bell Ct.
Bloomington, IN 47408
(812) 327-6943
Contact: Brian Gullion

SMITHVILLE TELEPHONE CO., INC.
1600 W. Temperance St.
Ellettsville, IN 47429
(812) 320-9317
Contact: Joe Bryniarski

AEG
P.O. Box 349
Bufford, GA 30515
(650) 398-7070
Contact: Mirna Gutierrez

GAS
VECTREN GAS DISTRIBUTION
1800 W. 26th St.
Muncie, IN 47302
(765) 287-2150
Contact: Mostafa Khallad

SEWER & WATER
CITY OF BLOOMINGTON UTILITIES
600 E. Miller Dr.
P.O. Box 1216
Bloomington, IN 47402
(812) 349-3631
Contact: Jane Fleig

GENERAL NOTES

**	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. _____ and Sta. _____, shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
**	All limited access right-of-way (L.A. R/W) is to be fenced with chain link type fence (C.L.T.F.) or farm field type fence (F.F.T.F.) where specified in the plans.
**	Contractor shall verify existing flowline elevations to set the appropriate sump depth.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DRAWING INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3 - 5	TYPICAL CROSS SECTIONS
6 - 7	PLAT NO. 1
8 - 10	GEOMETRIC TIE-UP
11 - 27	MAINTENANCE OF TRAFFIC
28 - 33	PLAN AND PROFILE
34 - 40	CONSTRUCTION DETAILS
41 - 48	SPOT ELEVATION DETAILS
49	GENERAL PLAN
50 - 51	MISCELLANEOUS DETAILS
52 - 56	TEMPORARY EROSION CONTROL DETAILS
57 - 63	LIGHTING DETAILS
64 - 68	RETAINING WALL DETAILS
69 - 75	MOMENT SLAB DETAILS
76 - 80	PAVEMENT MARKING AND SIGNING DETAILS
81 - 83	MISCELLANEOUS TABLES
84	APPROACH TABLE
85	UNDERDRAIN TABLE
86 - 87	STRUCTURE DATA TABLE
88	PIPE MATERIAL TABLE
89 - 131	CROSS SECTIONS

TRAFFIC DATA — RAMP TO ARLINGTON RD

A.A.D.T.	2023	890 V.P.D.
A.A.D.T.	2043	960 V.P.D.
D.H.V	2043	106 V.P.H.
DIRECTIONAL DISTRIBUTION		100 %
TRUCKS		6 % A.A.D.T.
		3 % D.H.V.

DESIGN DATA

DESIGN SPEED	35-45 M.P.H.
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	RAMP
RURAL/URBAN	URBAN (Intermediate)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA — STONELAKE DRIVE

A.A.D.T.	2023	980 V.P.D.
A.A.D.T.	2043	1,060 V.P.D.
D.H.V	2043	106 V.P.H.
DIRECTIONAL DISTRIBUTION		55 %
TRUCKS		1 % A.A.D.T.
		3 % D.H.V.

DESIGN DATA

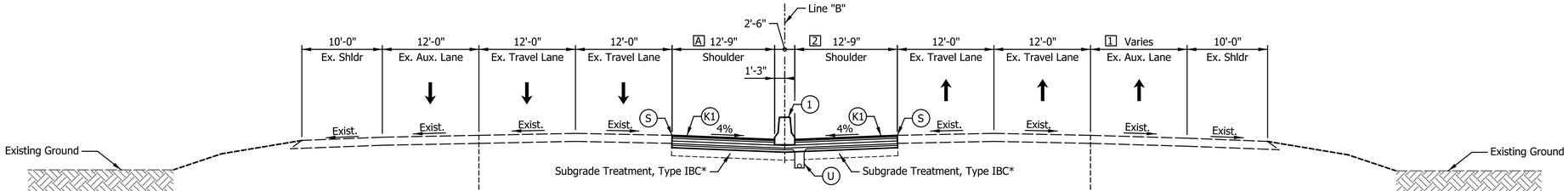
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL
RURAL/URBAN	URBAN (Intermediate)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA — MONROE STREET

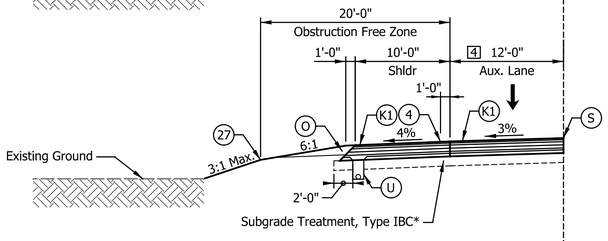
A.A.D.T.	2023	1,590 V.P.D.
A.A.D.T.	2043	1,710 V.P.D.
D.H.V	2043	171 V.P.H.
DIRECTIONAL DISTRIBUTION		55 %
TRUCKS		1 % A.A.D.T.
		9 % D.H.V.

DESIGN DATA

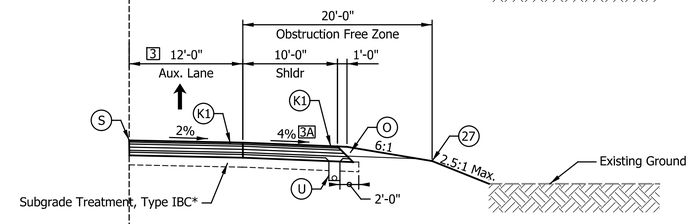
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL
RURAL/URBAN	URBAN (Intermediate)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



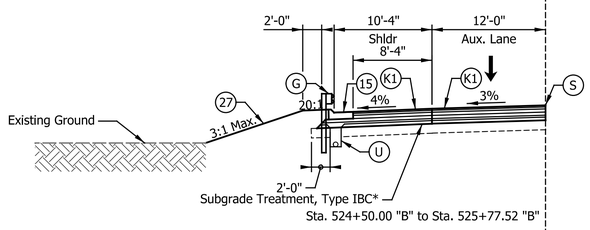
Typical Section - S.R. 45/46
Sta. 512+55.00 to Sta. 526+75.00 "B"



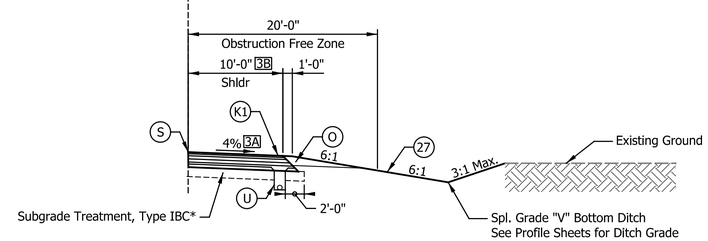
Sta. 516+85.00 "B" to Sta. 519+06.79 "B"
Sta. 525+77.52 "B" to Sta. 526+75.00 "B"



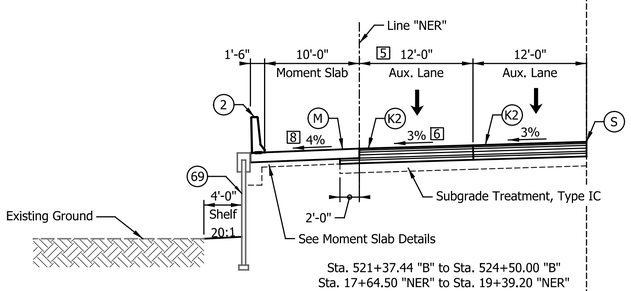
Sta. 521+65.00 "B" to Sta. 524+21.23 "B"



Sta. 524+50.00 "B" to Sta. 525+77.52 "B"

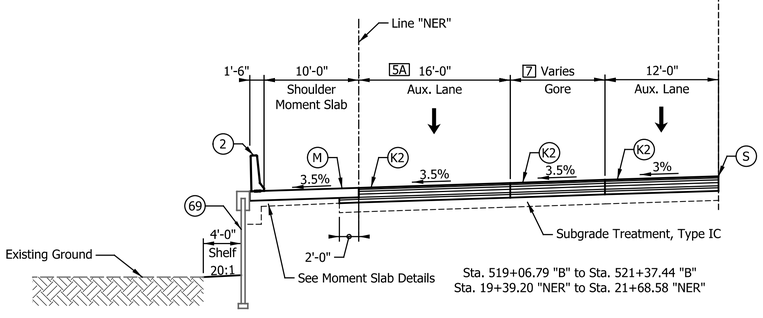


Sta. 524+21.23 "B" to Sta. 526+75.00 "B"



Sta. 521+37.44 "B" to Sta. 524+50.00 "B"
Sta. 17+64.50 "NER" to Sta. 19+39.20 "NER"

523+12.44 "B", 62.00' Lt. = 17+64.50 "NER"



Sta. 519+06.79 "B" to Sta. 521+37.44 "B"
Sta. 19+39.20 "NER" to Sta. 21+68.58 "NER"

* Subgrade Treatment Type IBC shall be used along SR 45/ 46 mainline from the begin project limits to Sta. 526+00.00 "B", and from Sta. 536+00.00 "B", to the end project limits.

Subgrade Treatment IC shall be used for areas constructed along the new exit ramp, as well as between Sta. 526+00.00 "B" to Sta. 536+00.00 "B", along SR 45/ 46 mainline where shallow bedrock is encountered.

A — Varies 12'-9" to 17'-3" from Sta. 524+40.00 "B" to Sta. 526+38.50 "B"
Equals 17'-3" from Sta. 526+38.50 "B" to Sta. 526+75.00 "B"

1 — Varies 12'-0" to 0'-0" from Sta. 517+95.36 "B" to Sta. 521+25.36 "B"
Equals 0'-0" from Sta. 521+25.36 "B" to Sta. 521+65.00 "B"

2 — Varies 12'-9" to 9'-9" from Sta. 521+65.00 "B" to Sta. 524+40.00 "B"
Varies 9'-9" to 5'-3" from Sta. 524+40.00 "B" to Sta. 526+38.50 "B"
Equals 5'-3" from Sta. 526+38.50 "B" to Sta. 526+75.00 "B"

3 — Varies 0'-0" to 12'-0" from Sta. 521+65.00 "B" to Sta. 522+65.00 "B" (Auxilary Lane Ends)

3A — Varies 4% to 3% from Sta. 523+65.00 "B" to Sta. 524+15.00 "B" (See Spot Elevation Details)

3B — Varies 12'-0" to 10'-0" from Sta. 524+21.23 "B" to Sta. 524+93.00 "B"

4 — Varies 12'-0" to 4'-6" from Sta. 526+12.44 "B" to Sta. 526+75.00 "B"

5 — Varies 15'-8" to 12'-0" from Sta. 521+37.44 "B" to Sta. 523+12.44 "B"
Varies 12'-0" to 0'-0" from Sta. 523+12.44 "B" to Sta. 524+11.85 "B"
Equals 0'-0" from Sta. 524+11.85 "B" to Sta. 524+50.00 "B"

5A — Varies 16'-0" to 15'-8" from Sta. 521+09.43 "B" to Sta. 521+37.44 "B"
(from Sta. Sta. 19+67.56 "NER" to Sta. 19+39.21 "NER")

6 — Varies 3.0% to 3.5% From Sta. 19+52.00 "NER" to Sta. 19+72.00 "NER"
Equals 3.5% From Sta. 19+72.00 "NER" to Sta. 19+39.20 "NER"

7 — Varies 0'-0" to 20'-0" from Sta. 19+39.20 "NER" to Sta. 21+68.58 "NER"

8 — Varies 4.0% to 3.5% From Sta. 19+52.00 "NER" to Sta. 19+72.00 "NER"
Equals 3.5% From Sta. 19+72.00 "NER" to Sta. 19+39.20 "NER"

LEGEND

- G — Guardrail MGS W-Beam, 6 ft 3 in Spacing
- M — Reinforced Concrete Moment Slab, 12"
- N — Milling, Asphalt, 1.5 in.
- K1 — Full-Depth Pavement (Adj. to Existing Pvm't.) Consisting of:
  220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  Variable Depth (Avg. 440 lbs/sys) QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
  3.5" Compacted Aggregate No. 53, on
  Geoetxtile for Pavement Type 2B
- K2 — Full-Depth Pavement (Adj. to Moment Slab) Consisting of:
  220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  385 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
  3.5" Compacted Aggregate No. 53, on
  Geoetxtile for Pavement Type 2B
- K3 — Stonelake Drive Full-Depth Pavement Consisting of:
  165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  440 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  660 lbs/sys QC/QA-HMA, 3, 64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53
- O — Variable Depth Compacted Aggregate, No. 53
- R — 165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm
- S — Sawcut (Not a pay item)
- U — Underdrain (See Misc. Details)
- 1 — Concrete Barrier, 33"
- 2 — Railing, Concrete FT
- 4 — Milled HMA Corrugations
- 15 — Curb & Gutter, Concrete, Type B, Modified (4" Curb)
- 17 — Curb & Gutter, Concrete
- 27 — Seed Mixture R
- 69 — Retaining Wall

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	3 of 131
CONTRACT	PROJECT
R-42426	1700198

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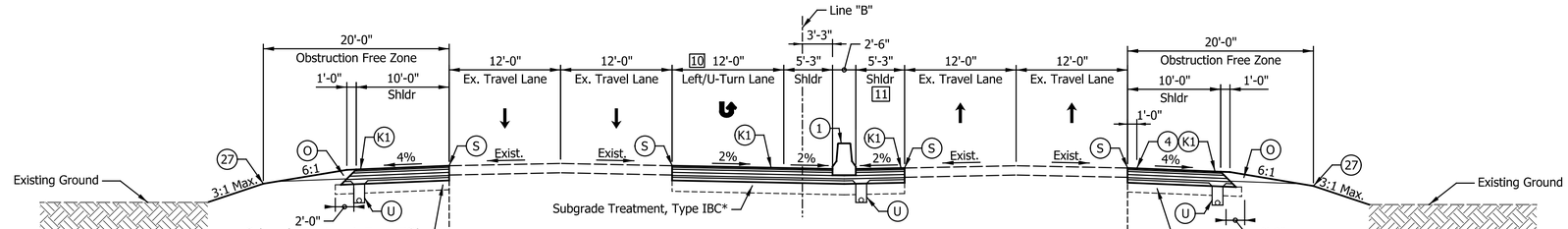
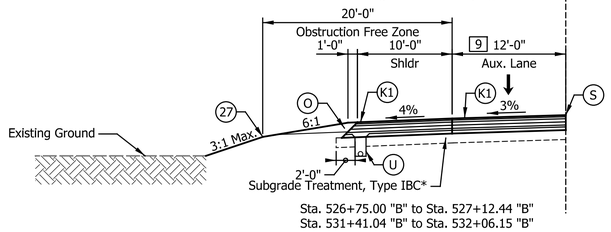
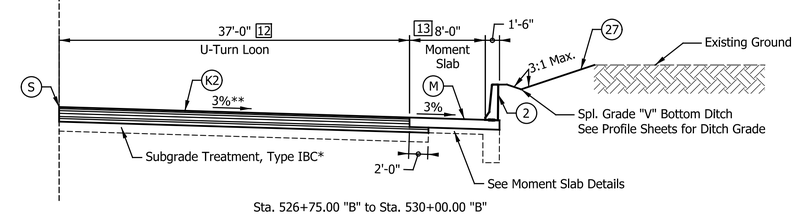


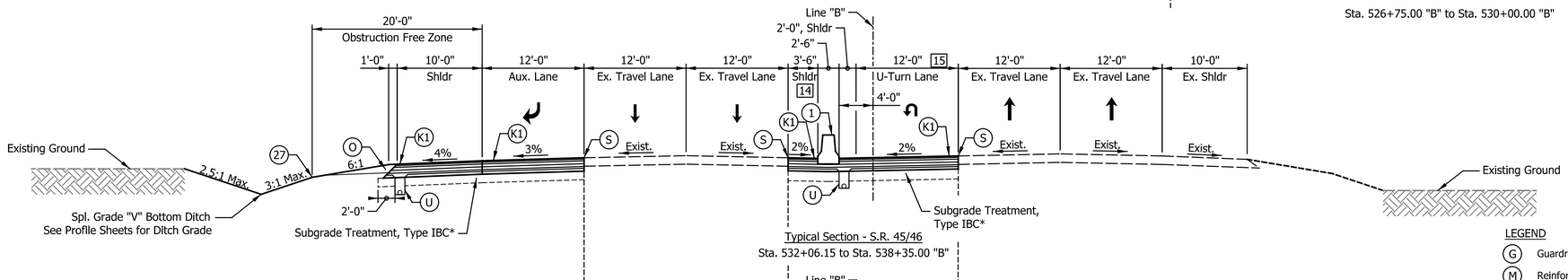
Typical Section - S.R. 45/46
Sta. 526+75.00 to Sta. 532+06.15 "B"



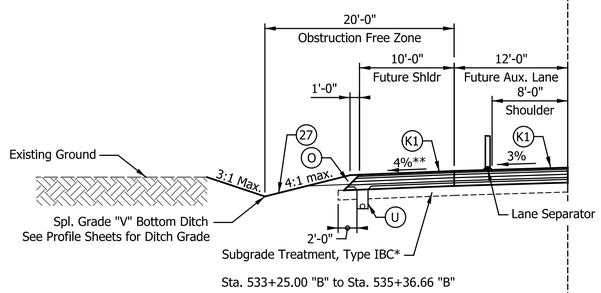
Sta. 526+75.00 "B" to Sta. 527+12.44 "B"
Sta. 531+41.04 "B" to Sta. 532+06.15 "B"



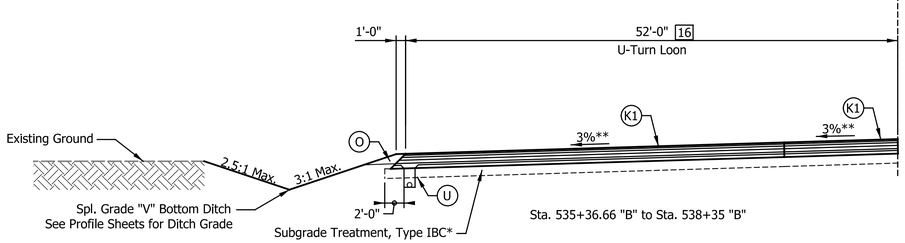
Sta. 526+75.00 "B" to Sta. 530+00.00 "B"



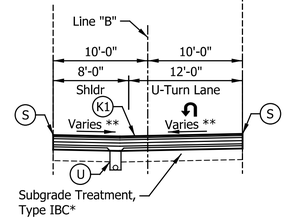
Typical Section - S.R. 45/46
Sta. 532+06.15 to Sta. 538+35.00 "B"



Sta. 533+25.00 "B" to Sta. 535+36.66 "B"



Sta. 535+36.66 "B" to Sta. 538+35 "B"



Typical Section - S.R. 45/46
Sta. 537+27.00 to Sta. 538+35.00 "B"

* Subgrade Treatment Type IBC shall be used along SR 45/ 46 mainline from the begin project limits to Sta. 526+00.00 "B", and from Sta. 536+00.00 "B", to the end project limits.

Subgrade Treatment IC shall be used for areas constructed along the new exit ramp, as well as between Sta. 526+00.00 "B" to Sta. 536+00.00 "B", along SR 45/ 46 mainline where shallow bedrock was encountered.

** See Spot Elevation Details

9 Varies 4'-6" to 0'-0" from Sta. 526+75.00 "B" to Sta. 527+12.44 "B"

10 Varies 12'-0" to 0'-0" from Sta. 531+60.00 "B" to Sta. 532+60.00 "B"

11 Varies 5'-3" to 2'-0" from Sta. 531+60.00 "B" to Sta. 532+60.00 "B"

12 Varies 10'-0" to 37'-0" from Sta. 526+75.00 "B" to Sta. 527+25.00 "B"
Varies 37'-0" to 10'-0" from Sta. 528+15.00 "B" to Sta. 529+65.00 "B"
Equals 10'-0" from Sta. 529+65.00 "B" to Sta. 530+00.00 "B"

13 See Moment Slab Sheets for Limits and Details

14 Varies 5'-3" to 6'-8" from Sta. 531+60.00 "B" to Sta. 532+59.94 "B"
Varies 6'-8" to 3'-6" from Sta. 532+59.94 "B" to Sta. 534+56.00 "B"

15 Varies 0'-0" to 12'-0" from Sta. 531+60.00 "B" to Sta. 532+60.00 "B"

16 Varies 10'-0" to 52'-0" from Sta. 535+36.66 "B" to Sta. 537+10.00 "B"
Varies 52'-0" to 10'-0" from Sta. 537+85.00 "B" to Sta. 538+35.00 "B"

LEGEND

- G Guardrail MGS W-Beam, 6 ft 3 in Spacing
- M Reinforced Concrete Moment Slab, 12"
- N Milling, Asphalt, 1.5 in.
- K1 Full-Depth Pavement (Adj. to Existing Pvm't.) Consisting of:
  220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  Variable Depth (Avg. 440 lbs/sys) QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
  3.5" Compacted Aggregate No. 53, on
  Geoetxtile for Pavement Type 2B
- K2 Full-Depth Pavement (Adj. to Moment Slab) Consisting of:
  220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  385 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
  250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
  3.5" Compacted Aggregate No. 53, on
  Geoetxtile for Pavement Type 2B
- K3 Stonelake Drive Full-Depth Pavement Consisting of:
  165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
  440 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
  660 lbs/sys QC/QA-HMA, 3, 64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53
- O Variable Depth Compacted Aggregate, No. 53
- R 165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm
- S Sawcut (Not a pay item)
- U Underdrain (See Misc. Details)
- 1 Concrete Barrier, 33"
- 2 Railing, Concrete FT
- 4 Milled HMA Corrugations
- 15 Curb & Gutter, Concrete, Type B, Modified (4" Curb)
- 17 Curb & Gutter, Concrete
- 27 Seed Mixture R
- 69 Retaining Wall

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

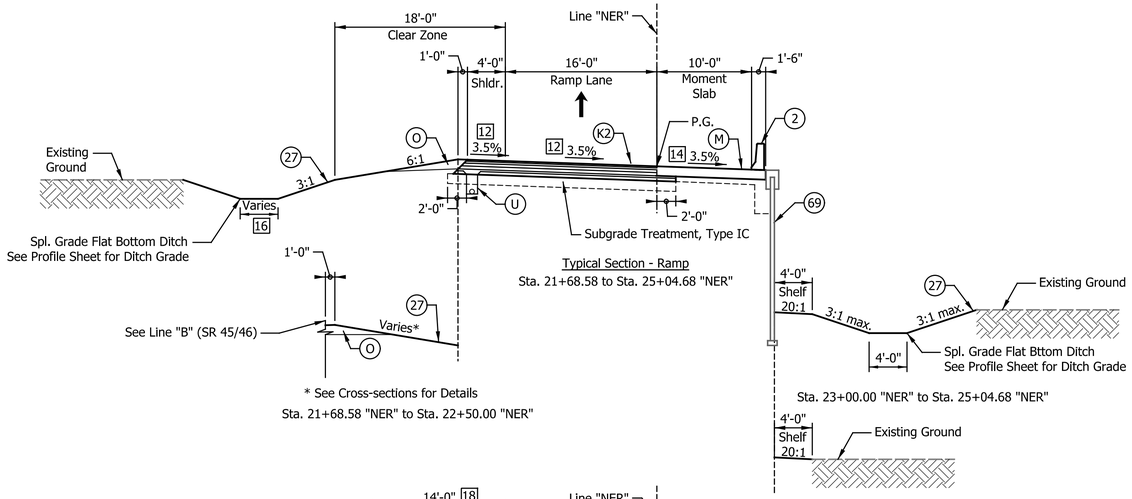
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	4 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-mtf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:43:55 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TY.02.dgn

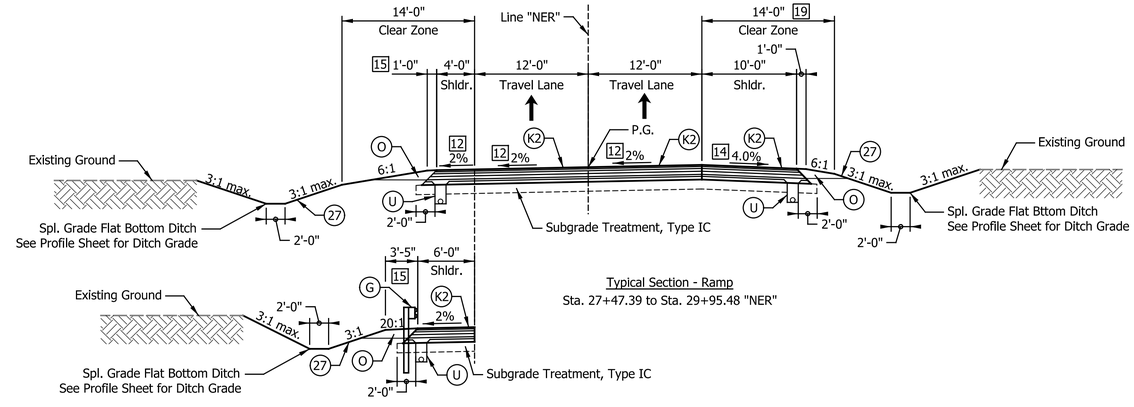


Typical Section - Ramp
Sta. 21+68.58 to Sta. 25+04.68 "NER"

* See Cross-sections for Details
Sta. 21+68.58 "NER" to Sta. 22+50.00 "NER"

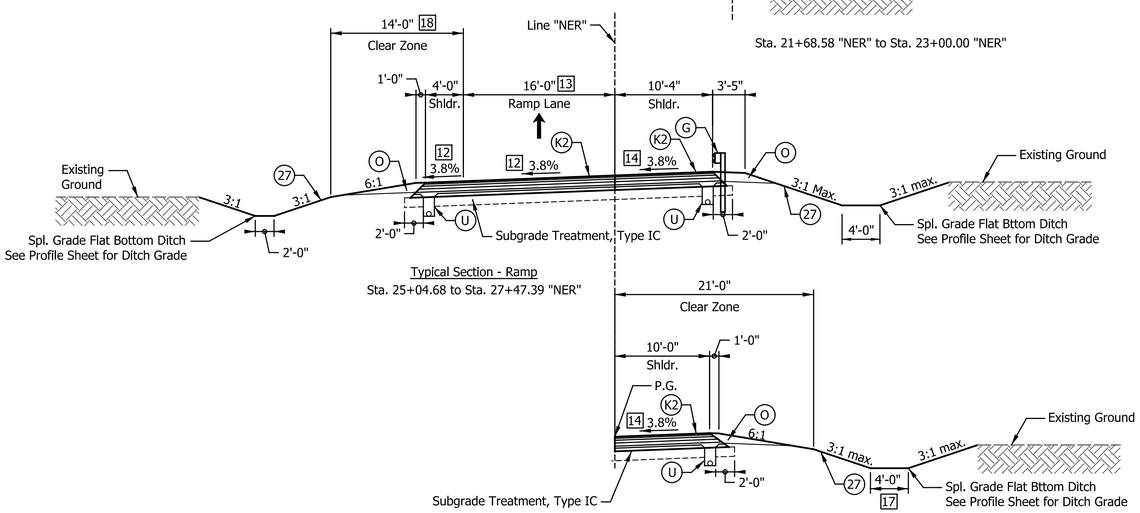
Sta. 23+00.00 "NER" to Sta. 25+04.68 "NER"

Sta. 21+68.58 "NER" to Sta. 23+00.00 "NER"



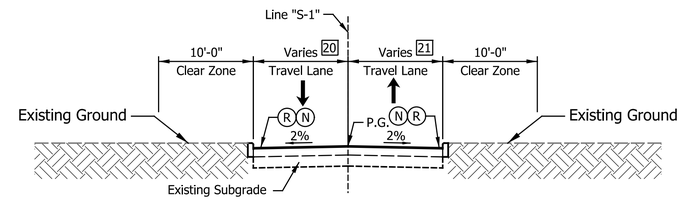
Typical Section - Ramp
Sta. 27+47.39 to Sta. 29+95.48 "NER"

Sta. 28+43.01 "NER" to Sta. 30+08.04 "NER"

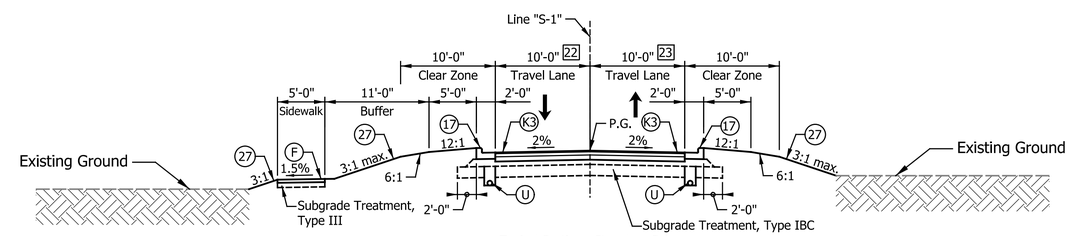


Typical Section - Ramp
Sta. 25+04.68 to Sta. 27+47.39 "NER"

Sta. 25+74.02 "NER" to Sta. 27+47.39 "NER"



Incidental Section - Stonelake Drive Resurfacing
Sta. 50+33.00 to Sta. 50+80.00 "S-1"



Typical Section - Stonelake Drive
Sta. 50+80.00 to Sta. 55+75.00 "S-1"

12 Equals 3.5% from Sta. 19+72.00 to Sta. 22+85.00 "NER"
Varies 3.5% to -3.8% from Sta. 22+85.00 to Sta. 25+90.00 "NER"
Equals -3.8% from Sta. 25+90.00 to Sta. 26+92.00 "NER"
Varies -3.8% to -2.0% from Sta. 26+92.00 to Sta. 27+62.00 "NER"

13 Varies 16'-0" to 24'-0" from Sta. 25+73.00 to Sta. 27+47.39 "NER"

14 Equals 3.5% from Sta. 19+72.00 to Sta. 22+85.00 "NER"
Varies 3.5% to -3.8% from Sta. 22+85.00 to Sta. 25+90.00 "NER"
Equals -3.8% from Sta. 25+90.00 to Sta. 26+92.00 "NER"
Varies -3.8% to 4.0% from Sta. 26+92.00 to Sta. 28+57.00 "NER"

15 Varies 1'-0" to 4'-10" from Sta. 27+74.71 "NER" to Sta. 28+33.01 "NER"
Equals 4'-10" from Sta. 28+33.01 "NER" to Sta. 28+43.01 "NER"
Varies 4'-10" to 3'-5" from Sta. 28+93.01 "NER" to Sta. 29+00.00 "NER"

16 Equals 0'-0" from Sta. 22+50.00 "NER" to Sta. 23+00.00 "NER"
Varies 0'-0" to 2'-0" from Sta. 23+50.00 "NER" to Sta. 24+00.00 "NER"
Equlas 2'-0" from Sta. 23+50.00 "NER" to Sta. 25+04.68 "NER"

17 Varies 4'-0" to 2'-0" from Sta. 26+50.00 "NER" to Sta. 27+00.00 "NER"
Equals 2'-0" from Sta. 27+00.00 "NER" to Sta. 27+47.39 "NER"

18 Varies 18'-0" to 14'-0" from Sta. 24+95.00 "NER" to Sta. 25+74.00 "NER"

19 Varies 21'-0" to 14'-0" from Sta. 27+50.00 "NER" to Sta. 28+50.00 "NER"

20 Equals 23'-0" from Sta. 50+33.00 "S-1" to Sta. 50+59.67 "S-1"
Varies 23'-0" to 15'-10" from Sta. 50+59.67 "S-1" to Sta. 50+68.60 "S-1"
Equals 15'-10" from Sta. 50+68.60 "S-1" to Sta. 50+80.00 "S-1"

21 Varies 14'-2" to 18'-8" from Sta. 50+33.00 "S-1" to Sta. 50+65.82 "S-1"
Varies 18'-8" to 29'-8" from Sta. 50+65.82 "S-1" to Sta. 50+69.03 "S-1"
Varies 29'-8" to 25'-0" from Sta. 50+69.03 "S-1" to Sta. 50+80.00 "S-1"

22 Varies 15'-10" to 21'-9" from Sta. 50+80.00 "S-1" to Sta. 51+31.09 "S-1"
Varies 21'-9" to 10'-0" from Sta. 51+31.09 "S-1" to Sta. 51+59.37 "S-1"

23 Varies 25'-0" to 11'-0" from Sta. 50+80.00 "S-1" to Sta. 51+25.00 "S-1"
Varies 11'-0" to 11'-0" from Sta. 51+25.00 "S-1" to Sta. 51+31.09 "S-1"

LEGEND

G Guardrail MGS W-Beam, 6 ft 3 in Spacing

M Reinforced Concrete Moment Slab, 12"

N Milling, Asphalt, 1.5 in.

K1 Full-Depth Pavement (Adj. to Existing Pvm't.) Consisting of:
220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
Variable Depth (Avg. 440 lbs/sys) QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
3.5" Compacted Aggregate No. 53, on
Geoetxtile for Pavement Type 2B

K2 Full-Depth Pavement (Adj. to Moment Slab) Consisting of:
220 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
385 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
440 lbs/sys QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 lbs/sys QC/QA-HMA, 4, 76, OG Intermdiate, 19.0 mm, on
3.5" Compacted Aggregate No. 53, on
Geoetxtile for Pavement Type 2B

K3 Stonelake Drive Full-Depth Pavement Consisting of:
165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
440 lbs/sys QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
660 lbs/sys QC/QA-HMA, 3, 64, Base, 25.0 mm, on
6" Compacted Aggregate No. 53

F Sidewalk, Concrete, 4"

O Variable Depth Compacted Aggregate, No. 53

R 165 lbs/sys QC/QA-HMA, 3, 70, Surface, 9.5 mm

S Sawcut (Not a pay item)

U Underdrain (See Misc. Details)

1 Concrete Barrier, 33"

2 Railing, Concrete FT

4 Milled HMA Corrugations

15 Curb & Gutter, Concrete, Type B, Modified (4" Curb)

17 Curb & Gutter, Concrete

27 Seed Mixture R

69 Retaining Wall

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

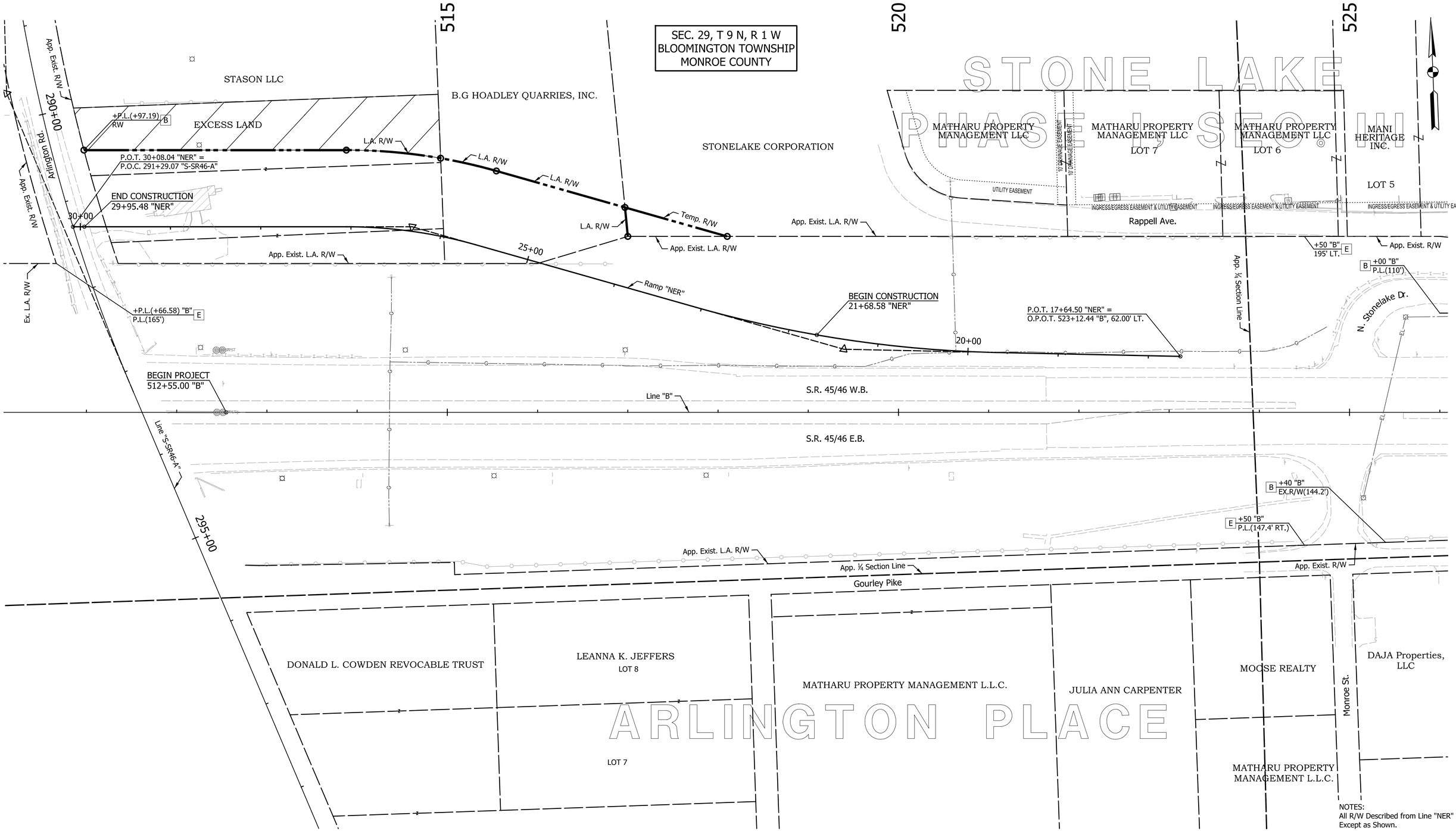
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
LINE "NER" & LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 8'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	5 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.dftcfg
Indiana_Sheet6.tbl

Lmichalke 8/30/2023 2:43:56 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TY.03.dgn



NOTES:
All R/W Described from Line "NER"
Except as Shown.

Limited Access R/W Provisions
to Apply Where Indicated.

DATE	REVISION

LEGEND

B Begin L.A. R/W

E End L.A. R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

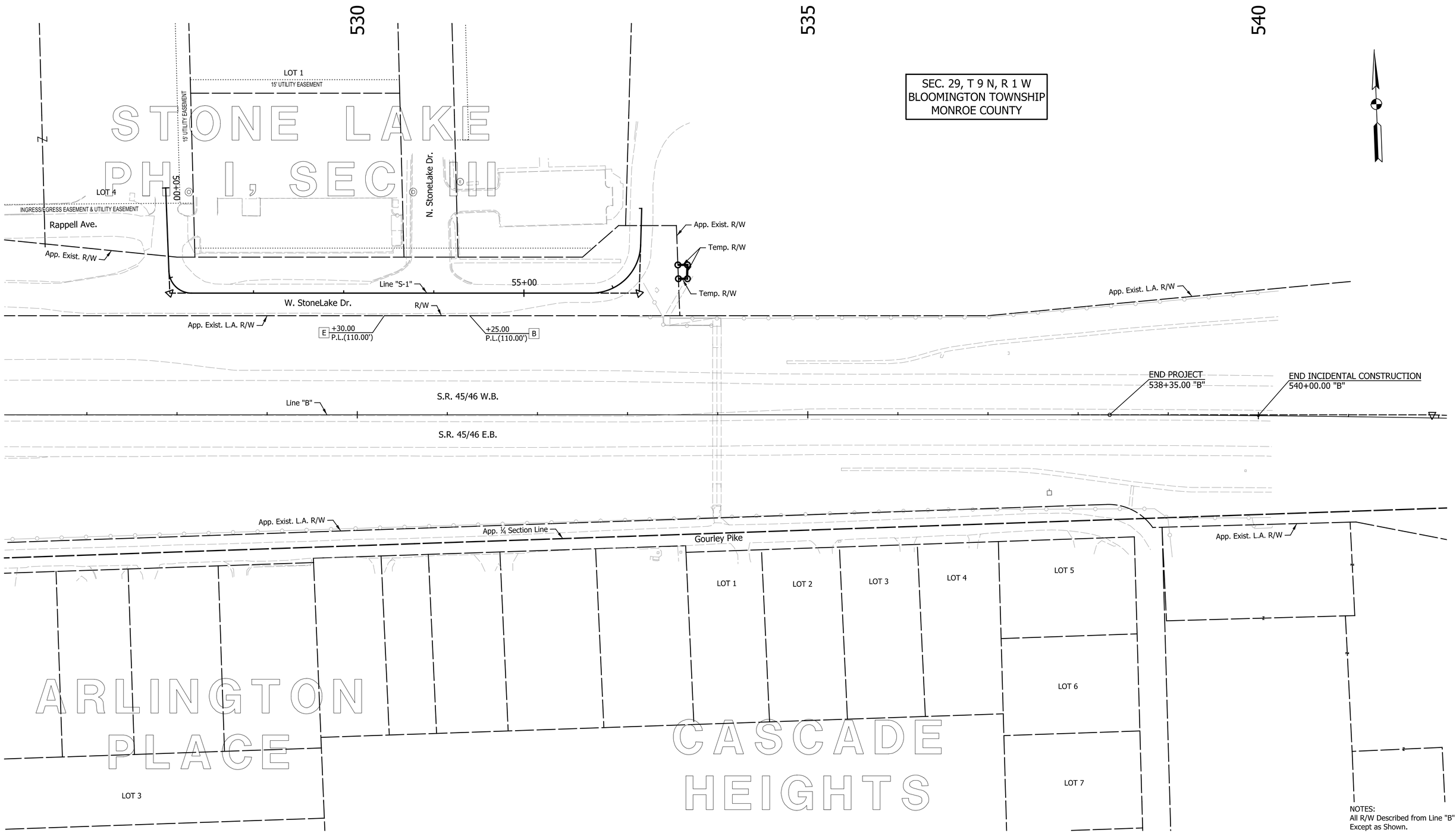
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	6 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:43:56 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PL.01.dgn



NOTES:
All R/W Described from Line "B"
Except as Shown.

Limited Access R/W Provisions
to Apply Where Indicated.

DATE	REVISION

LEGEND

B Begin L.A. R/W

E End L.A. R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

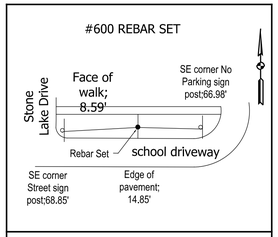
PLAT NO.1

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	7 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy+Pdf.cfg
Indiana_Shade.tbl

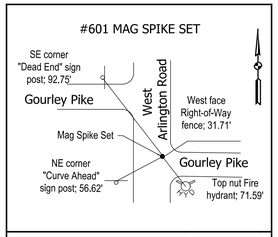
Lmichalke 8/30/2023 2:43:57 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PL.02.dgn

#600 REBAR SET



N:204522.50/ E:774860.86

#601 MAG SPIKE SET



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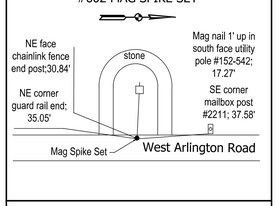

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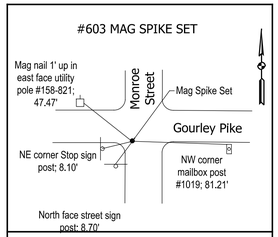

N:204215.22/ E:774145.45

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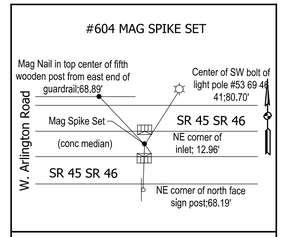

N:204431.54/ E:773086.37

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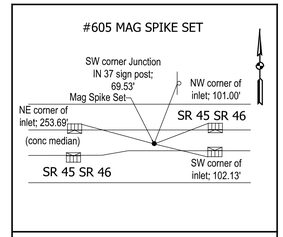

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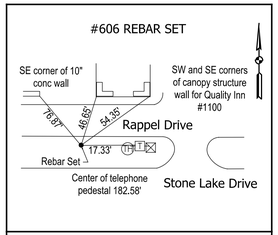

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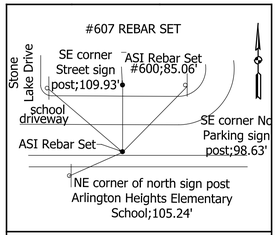

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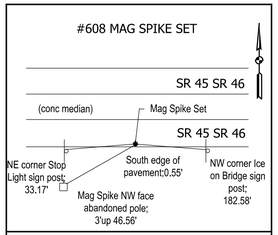
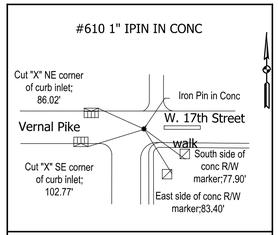


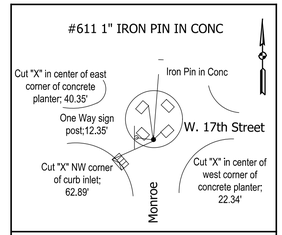
N:204284.06/ E:775694.00

#610 1" IPIN IN CONC



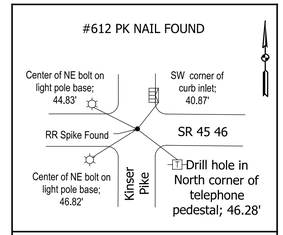
N:201576.67/ E:771371.11

#611 1" IRON PIN IN CONC



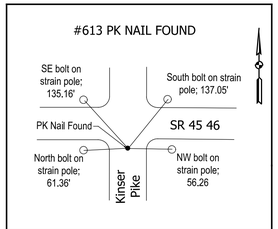
N:201550.60/ E:774036.52

#612 PK NAIL FOUND



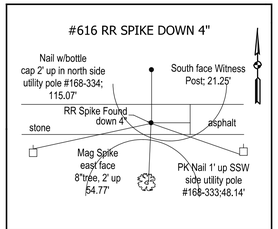
N:201526.18/ E:776702.16

#613 PK NAIL FOUND



N:204195.17/ E:776706.09

#616 RR SPIKE DOWN 4"



N:206916.93/ E:771329.56

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

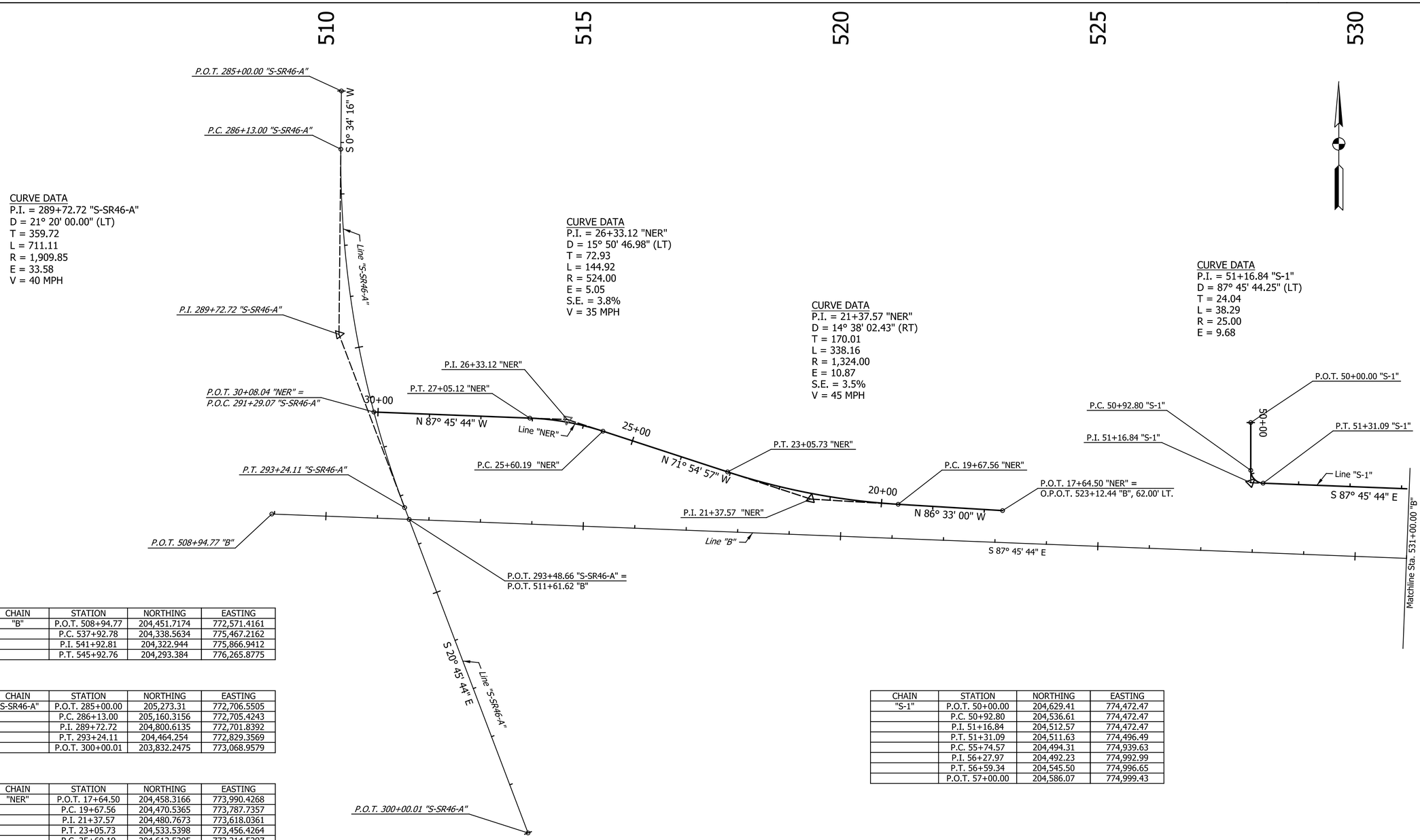
INDIANA
DEPARTMENT OF TRANSPORTATION

GEOMETRIC TIE UP

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	8 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmlchalke 8/30/2023 2:43:58 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.GE.01.dgn



CURVE DATA
P.I. = 289+72.72 "S-SR46-A"
D = 21° 20' 00.00" (LT)
T = 359.72
L = 711.11
R = 1,909.85
E = 33.58
V = 40 MPH

CURVE DATA
P.I. = 26+33.12 "NER"
D = 15° 50' 46.98" (LT)
T = 72.93
L = 144.92
R = 524.00
E = 5.05
S.E. = 3.8%
V = 35 MPH

CURVE DATA
P.I. = 21+37.57 "NER"
D = 14° 38' 02.43" (RT)
T = 170.01
L = 338.16
R = 1,324.00
E = 10.87
S.E. = 3.5%
V = 45 MPH

CURVE DATA
P.I. = 51+16.84 "S-1"
D = 87° 45' 44.25" (LT)
T = 24.04
L = 38.29
R = 25.00
E = 9.68

CHAIN	STATION	NORTHING	EASTING
"B"	P.O.T. 508+94.77	204,451.7174	772,571.4161
	P.C. 537+92.78	204,338.5634	775,467.2162
	P.I. 541+92.81	204,322.944	775,866.9412
	P.T. 545+92.76	204,293.384	776,265.8775

CHAIN	STATION	NORTHING	EASTING
"S-SR46-A"	P.O.T. 285+00.00	205,273.31	772,706.5505
	P.C. 286+13.00	205,160.3156	772,705.4243
	P.I. 289+72.72	204,800.6135	772,701.8392
	P.T. 293+24.11	204,464.254	772,829.3569
	P.O.T. 300+00.01	203,832.2475	773,068.9579

CHAIN	STATION	NORTHING	EASTING
"NER"	P.O.T. 17+64.50	204,458.3166	773,990.4268
	P.C. 19+67.56	204,470.5365	773,787.7357
	P.I. 21+37.57	204,480.7673	773,618.0361
	P.T. 23+05.73	204,533.5398	773,456.4264
	P.C. 25+60.19	204,612.5295	773,214.5297
	P.I. 26+33.12	204,635.167	773,145.205
	P.T. 27+05.12	204,638.0145	773,072.3334
	P.O.T. 30+08.04	204,649.8423	772,769.6402

CHAIN	STATION	NORTHING	EASTING
"S-1"	P.O.T. 50+00.00	204,629.41	774,472.47
	P.C. 50+92.80	204,536.61	774,472.47
	P.I. 51+16.84	204,512.57	774,472.47
	P.T. 51+31.09	204,511.63	774,496.49
	P.C. 55+74.57	204,494.31	774,939.63
	P.I. 56+27.97	204,492.23	774,992.99
	P.T. 56+59.34	204,545.50	774,996.65
	P.O.T. 57+00.00	204,586.07	774,999.43

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

GEMOETRIC TIE UP

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	9 of 131
CONTRACT	PROJECT
R-42426	1700198

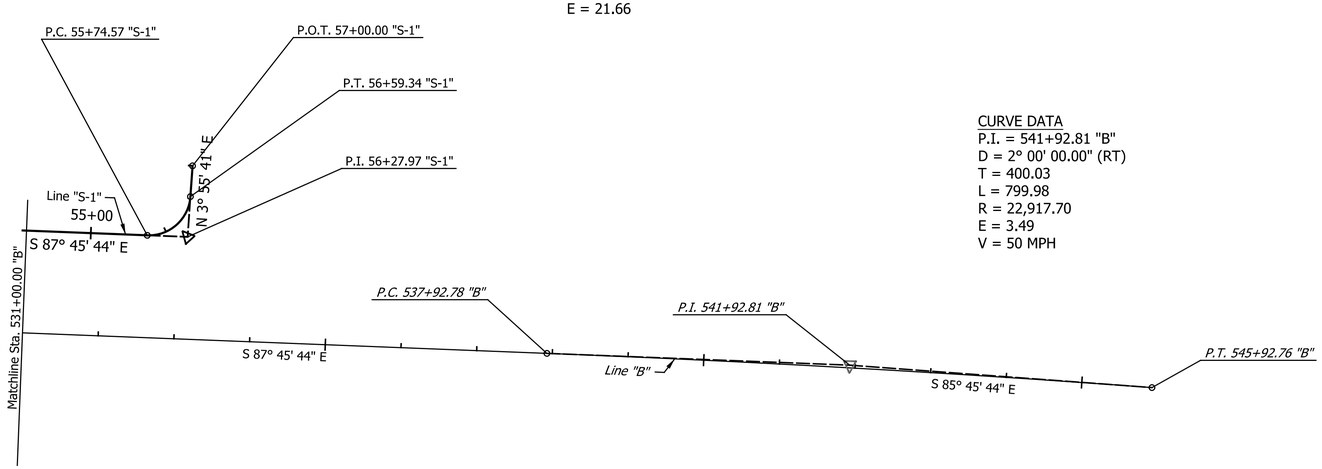
Indy-Pdf.cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:43:59 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.GE.02.dgn

535 540 545

CURVE DATA
P.I. = 56+27.97
D = 88° 18' 34.94" (LT)
T = 53.40
L = 84.77
R = 55.00
E = 21.66

CURVE DATA
P.I. = 541+92.81 "B"
D = 2° 00' 00.00" (RT)
T = 400.03
L = 799.98
R = 22,917.70
E = 3.49
V = 50 MPH



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

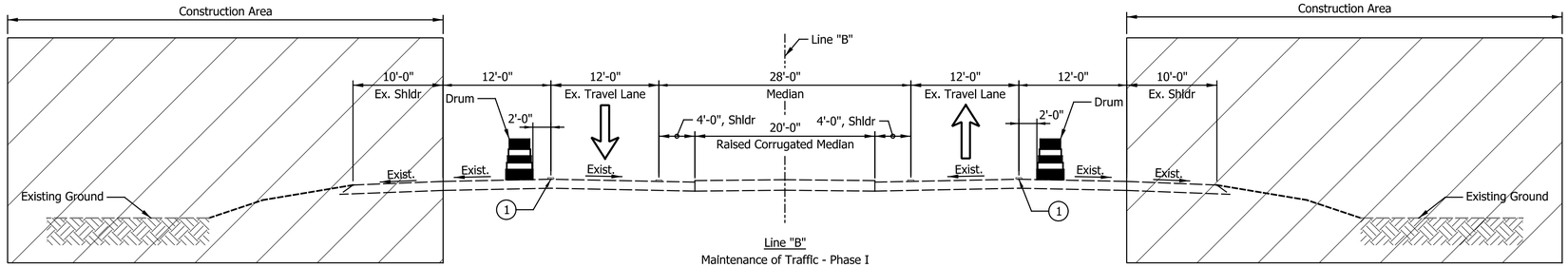
INDIANA
DEPARTMENT OF TRANSPORTATION

GEOMETRIC TIE UP

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	10 of 131
CONTRACT	PROJECT
R-42426	1700198

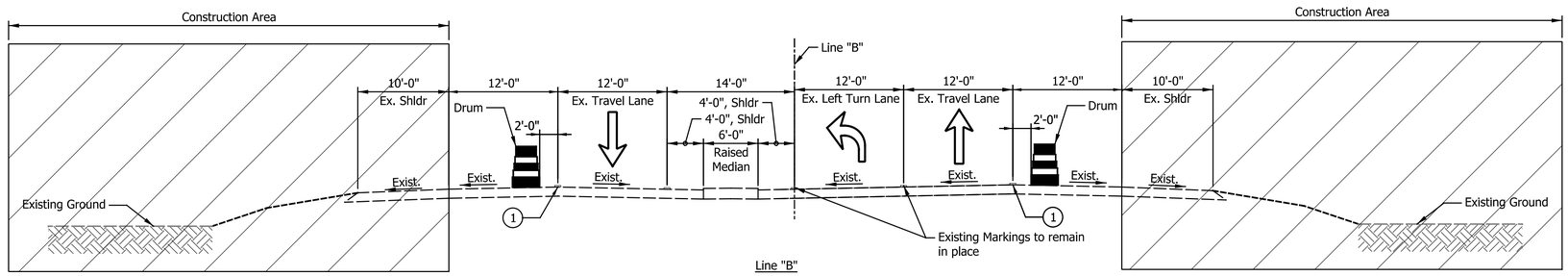
Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:43:59 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.GE.03.dgn

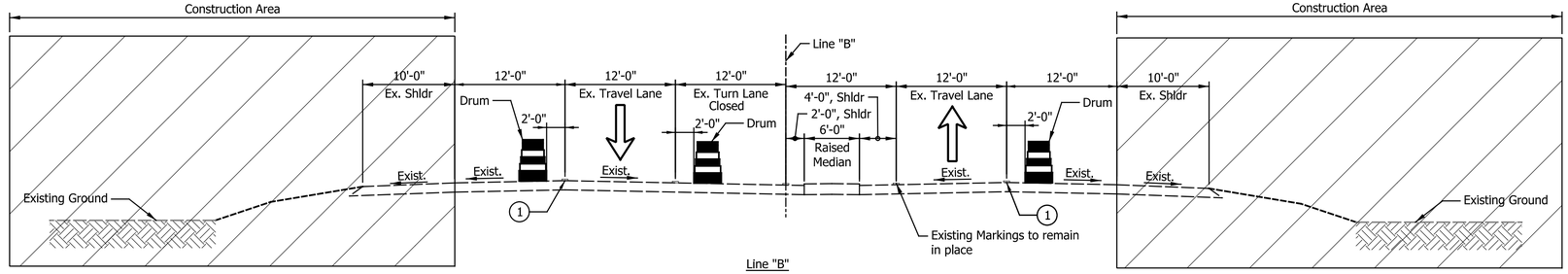


Line "B"
Maintenance of Traffic - Phase I
Westbound Lanes: Sta. 516+85.00 "B" to Sta. 521+85.00 "B"
Sta. 532+90.00 "B" to Sta. 538+35.00 "B"

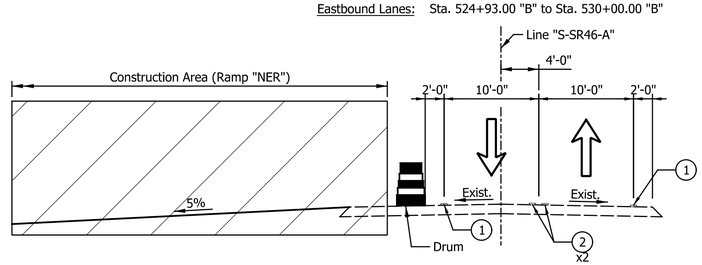
Eastbound Lanes: Sta. 521+65.00 "B" to Sta. 521+85.00 "B"



Line "B"
Maintenance of Traffic - Phase I
Sta. 521+85.00 "B" to Sta. 524+93.00 "B"



Line "B"
Maintenance of Traffic - Phase I
Westbound Lanes: Sta. 524+93.00 "B" to Sta. 532+90.00 "B"
Eastbound Lanes: Sta. 524+93.00 "B" to Sta. 530+00.00 "B"



Line "S-SR46-A"
Maintenance of Traffic Phase IA
Sta. 290+40.00 "S-SR46-A" to Sta. 292+15.00 "S-SR46-A"

Note: See Plan Sheets for Details Outside Work Zone

LEGEND

1 Temp. Pavement Marking, Removable, White, 6 in.

2 Temp. Pavement Marking, Removable, Yellow, 6 in.

DATE	REVISION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

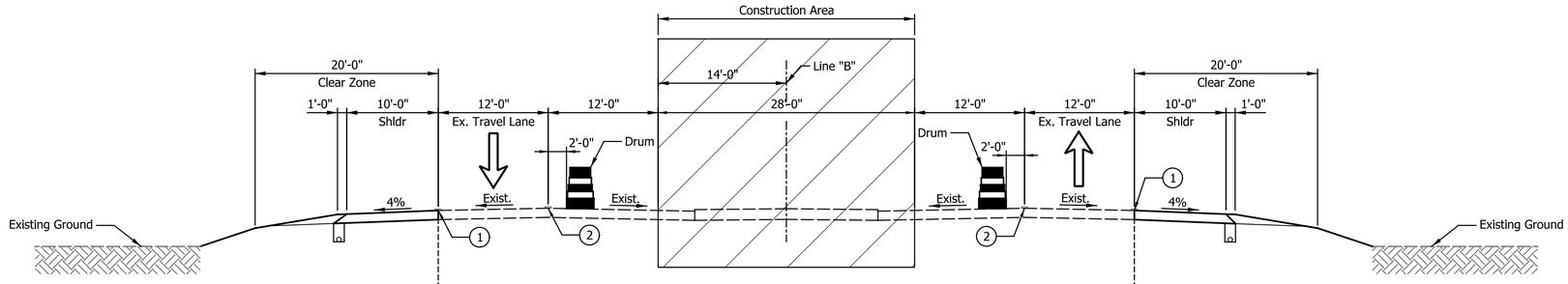
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
MAINTENANCE OF TRAFFIC

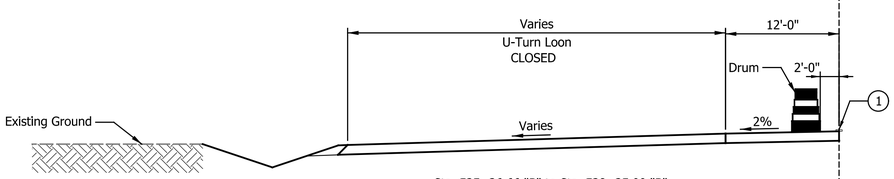
HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	11 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

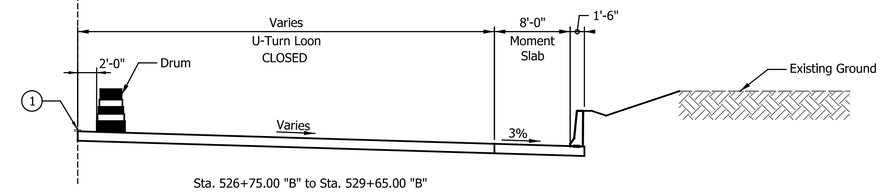
Lmichalke 8/30/2023 2:44:00 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.TY.01.dgn



Line "B"
Maintenance of Traffic - Phase II
Sta. 512+55.00 "B" to 538+35.00 "B"

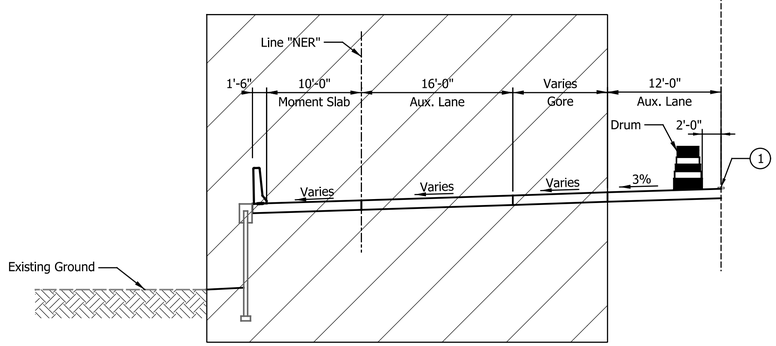


Sta. 535+36.66 "B" to Sta. 538+35.00 "B"



Sta. 526+75.00 "B" to Sta. 529+65.00 "B"

NOTE:
The U-Turn loons will be closed until the left turn lanes and median work is completed for safe usage. Access to Stonelake Drive will be maintained via the existing approach during MOT



Sta. 516+85.00 "B" to Sta. 527+12.00 "B"

NOTE:
Ramp Construction shown in Phases I & II to allow for additional time to complete construction.

Note: See Plan Sheets for Details Outside Work Zone

LEGEND

1 Temp. Pavement Marking, Removable, White, 6 in.

2 Temp. Pavement Marking, Removable, Yellow, 6 in.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
MAINTENANCE OF TRAFFIC PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1/8" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	12 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:01 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.TY.02.dgn

XW20-1
(48" x 48")

(A)

XG20-5P
(48" x 16")

XW3-5P
(48" x 48")

(B)

XG20-5P
(48" x 16")

R2-1B
(48" x 60")

(C)

XW20-5(L)
(48" x 48")

(D)

XW20-5(R)
(48" x 48")

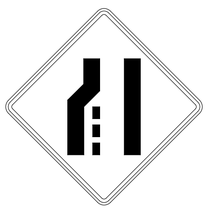
(E)

XW9-2(L)
(48" x 48")

(F)

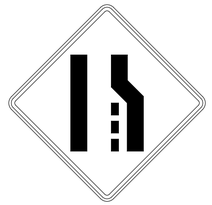
XW9-2(R)
(48" x 48")

(G)



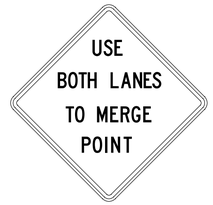
XW4-2(L)
(36" x 36")

(H)



XW4-2(R)
(36" x 36")

(I)



W9-Y2
(48" x 48")

(J)

W9-Y2a
(48" x 48")

(K)

XW20-3
(48" x 48")

M1-5
(24" x 24")

(L)

XW20-1
(48" x 48")

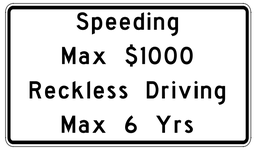
M3-4
(24" x 12")

M1-5
(24" x 24")

(M)

R11-2
(48" x 30")

Road Closure Sign Assembly
(RCA I)

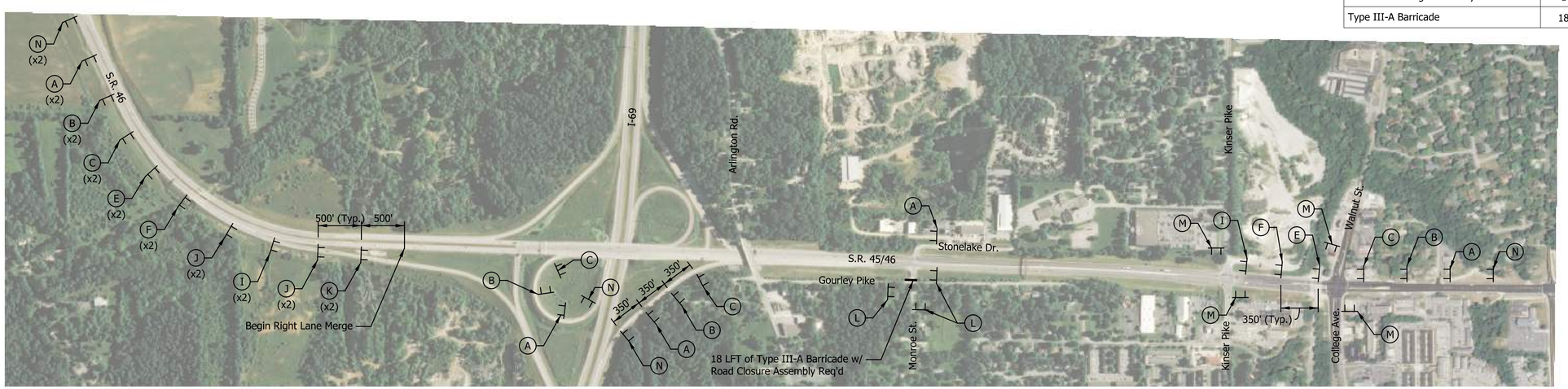


XW2-6
(78" x 42")

(N)

QUANTITY SUMMARY - ADVANCED SIGNING
PHASE I

Construction Sign, Type A	42	Each
Construction Sign, Type B	21	Each
Road Closure Sign Assembly	1	Each
Type III-A Barricade	18	Lft



Scale 1" = 500'

DATE	REVISION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

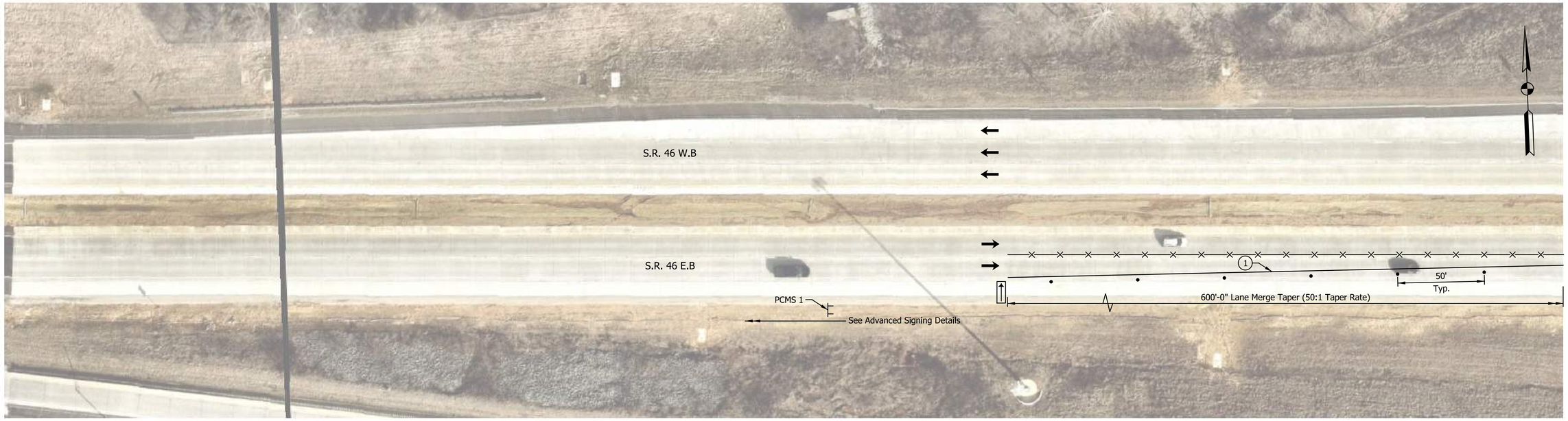
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
ADVANCE SIGNING - PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	13 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Prof.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:02 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.ADV.01.dgn



LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I LINE "B" - SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	14 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Rdf.pltcfg
Indiana_Shade.tbl

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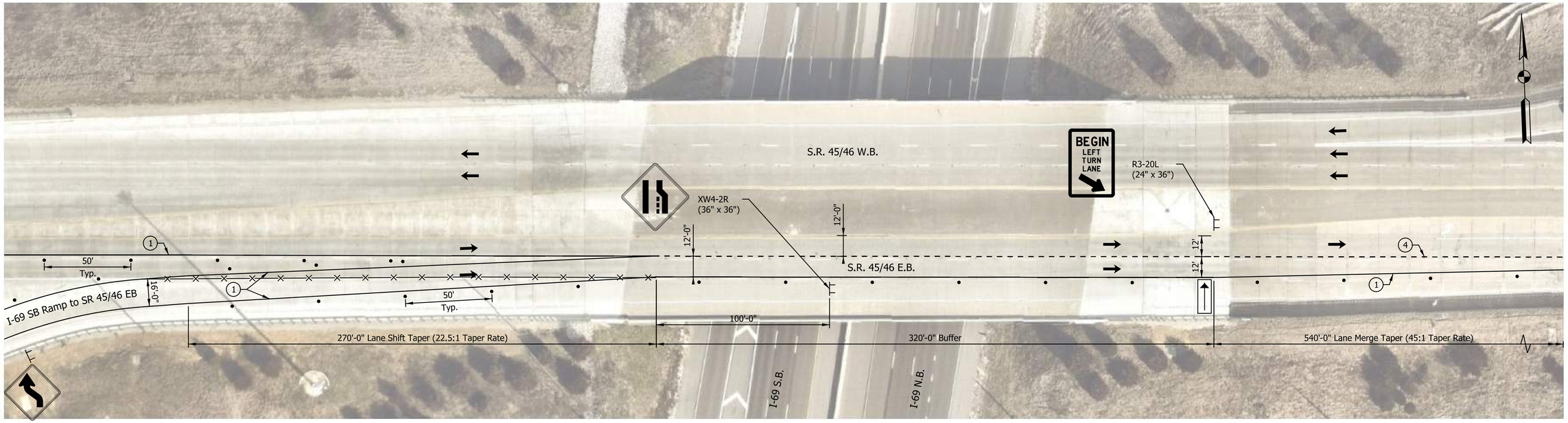
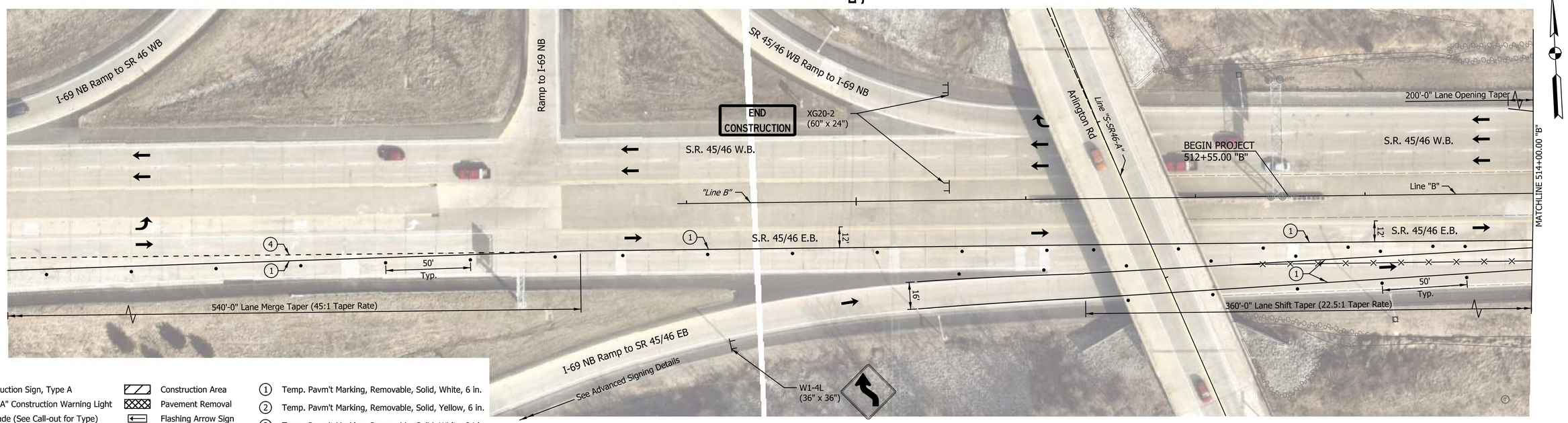


510



LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I LINE "B" - SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	15 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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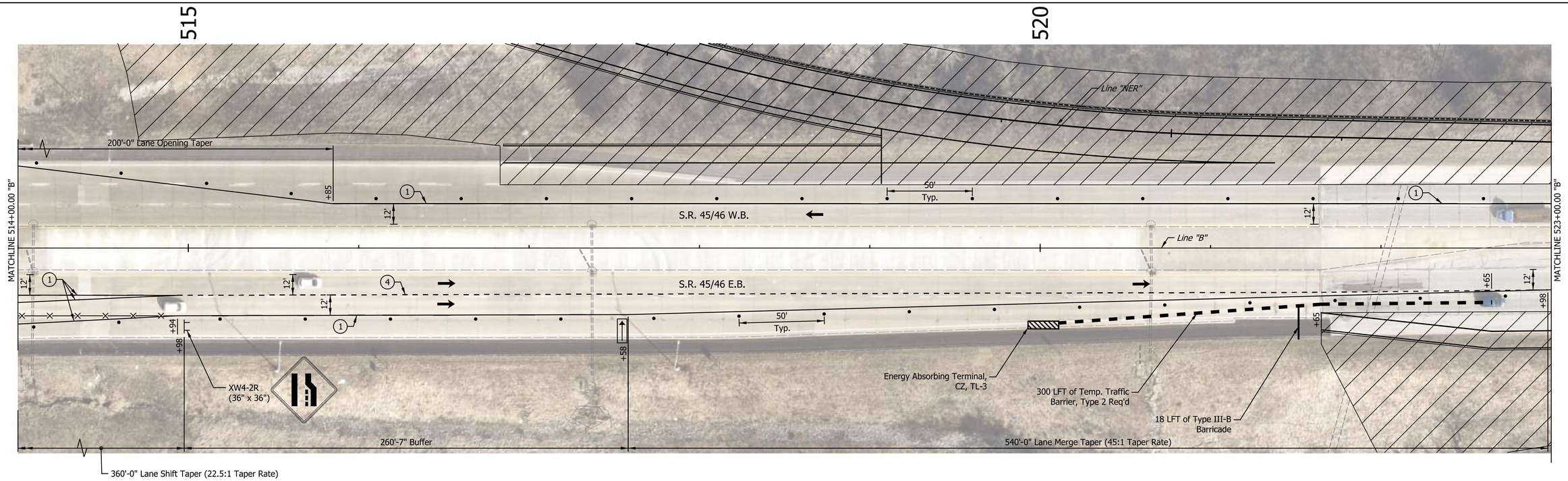

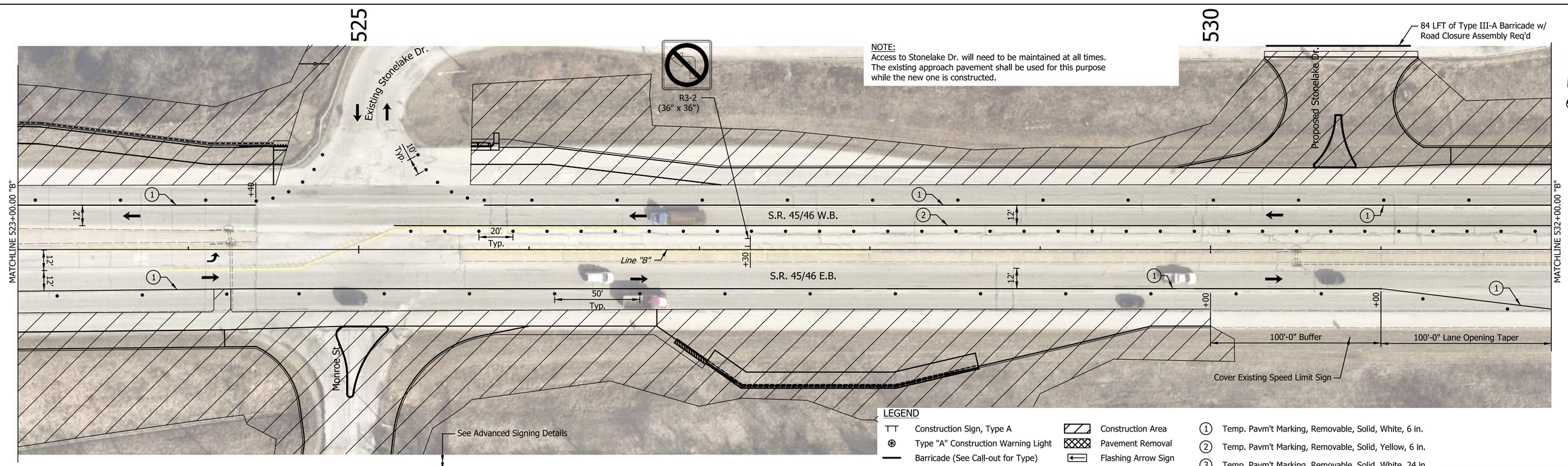

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I LINE "B" - SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	16 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-ehtf.pltcfg
Indiana_Shade.tbl

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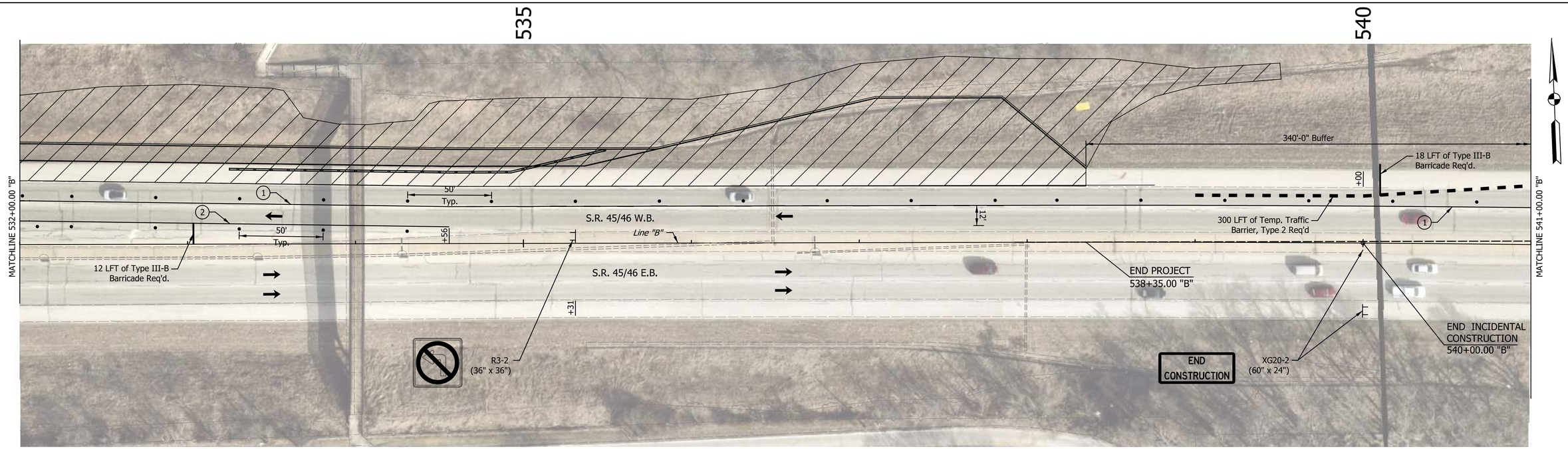

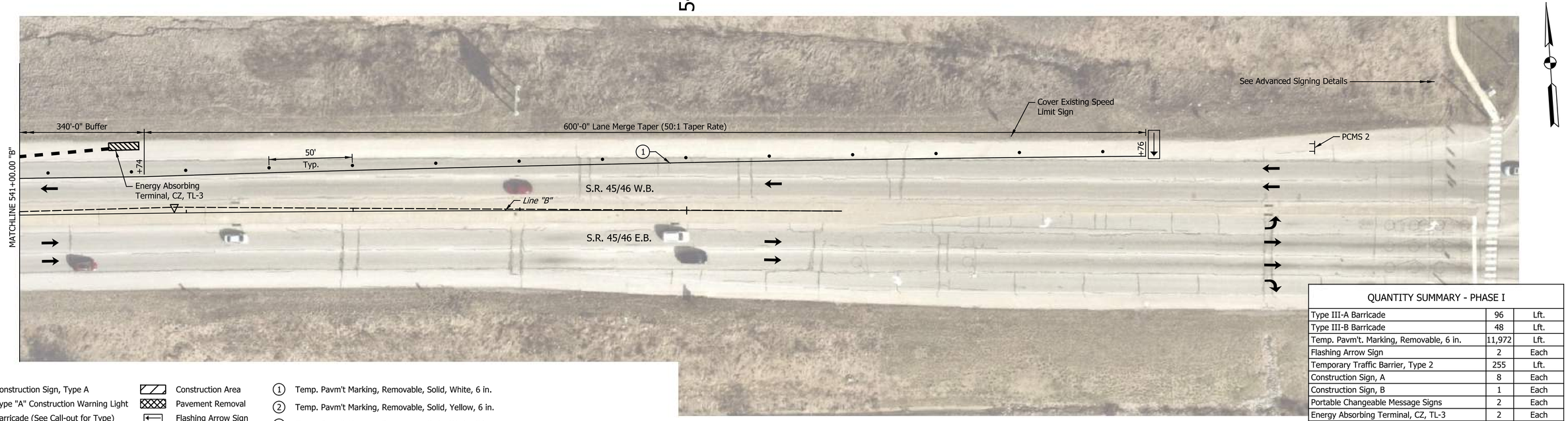

QUANTITY SUMMARY - PHASE I		
Type III-A Barricade	96	Lft.
Type III-B Barricade	48	Lft.
Temp. Pavm't. Marking, Removable, 6 in.	11,972	Lft.
Flashing Arrow Sign	2	Each
Temporary Traffic Barrier, Type 2	255	Lft.
Construction Sign, A	8	Each
Construction Sign, B	1	Each
Portable Changeable Message Signs	2	Each
Energy Absorbing Terminal, CZ, TL-3	2	Each
Road Closure Sign Assembly	1	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I LINE "B" - SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	17 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

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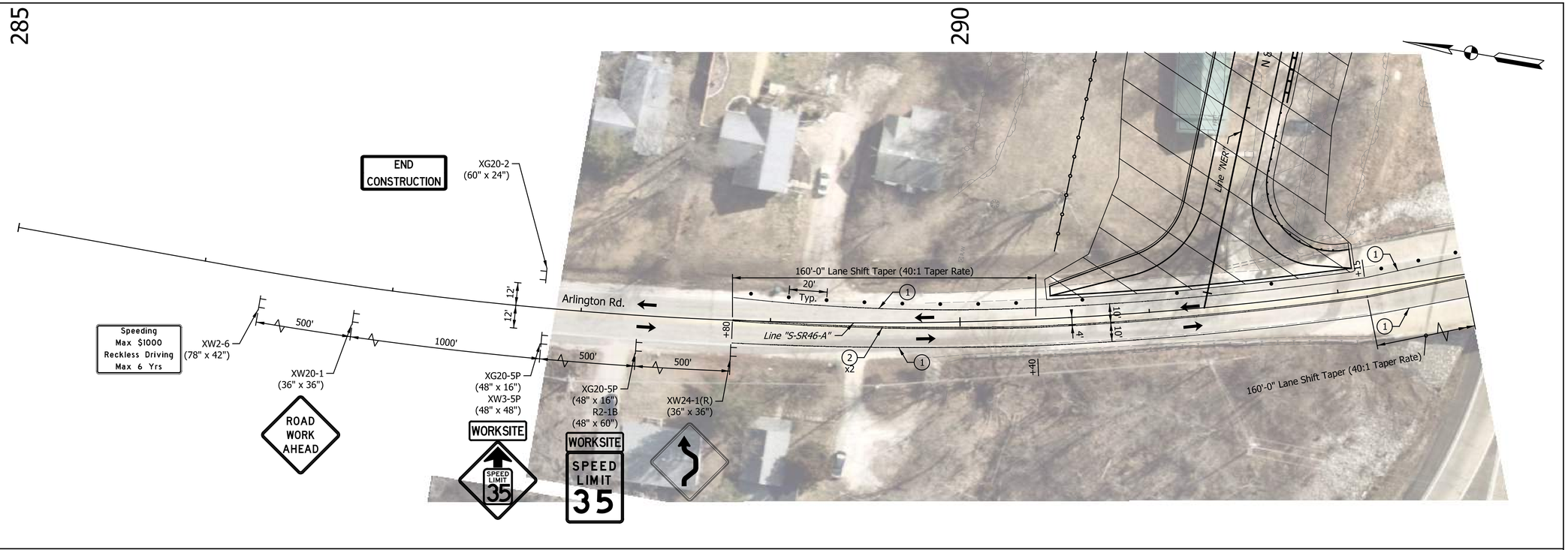

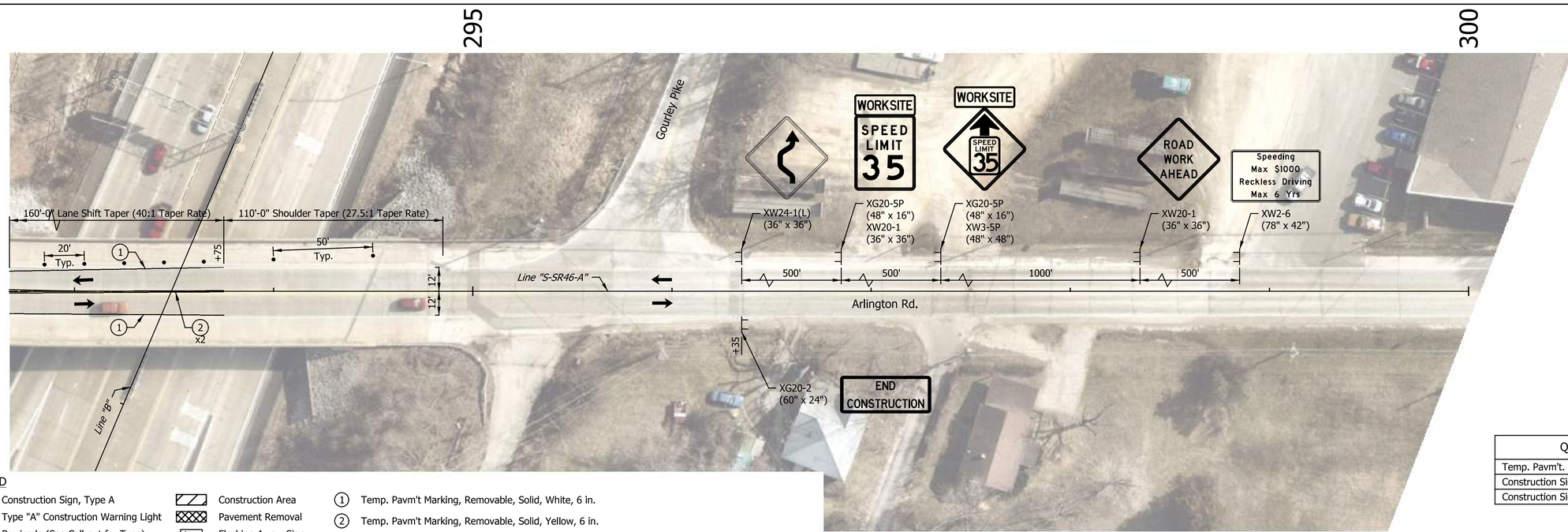

QUANTITY SUMMARY - PHASE IA		
Temp. Pavm't. Marking, Removable, 6 in.	1,984	Lft.
Construction Sign, A	12	Each
Construction Sign, B	4	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE IA LINE "S-SR46-A" - ARLINGTON RD

HORIZONTAL SCALE	BRIDGE FILE
1" = 30"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	18 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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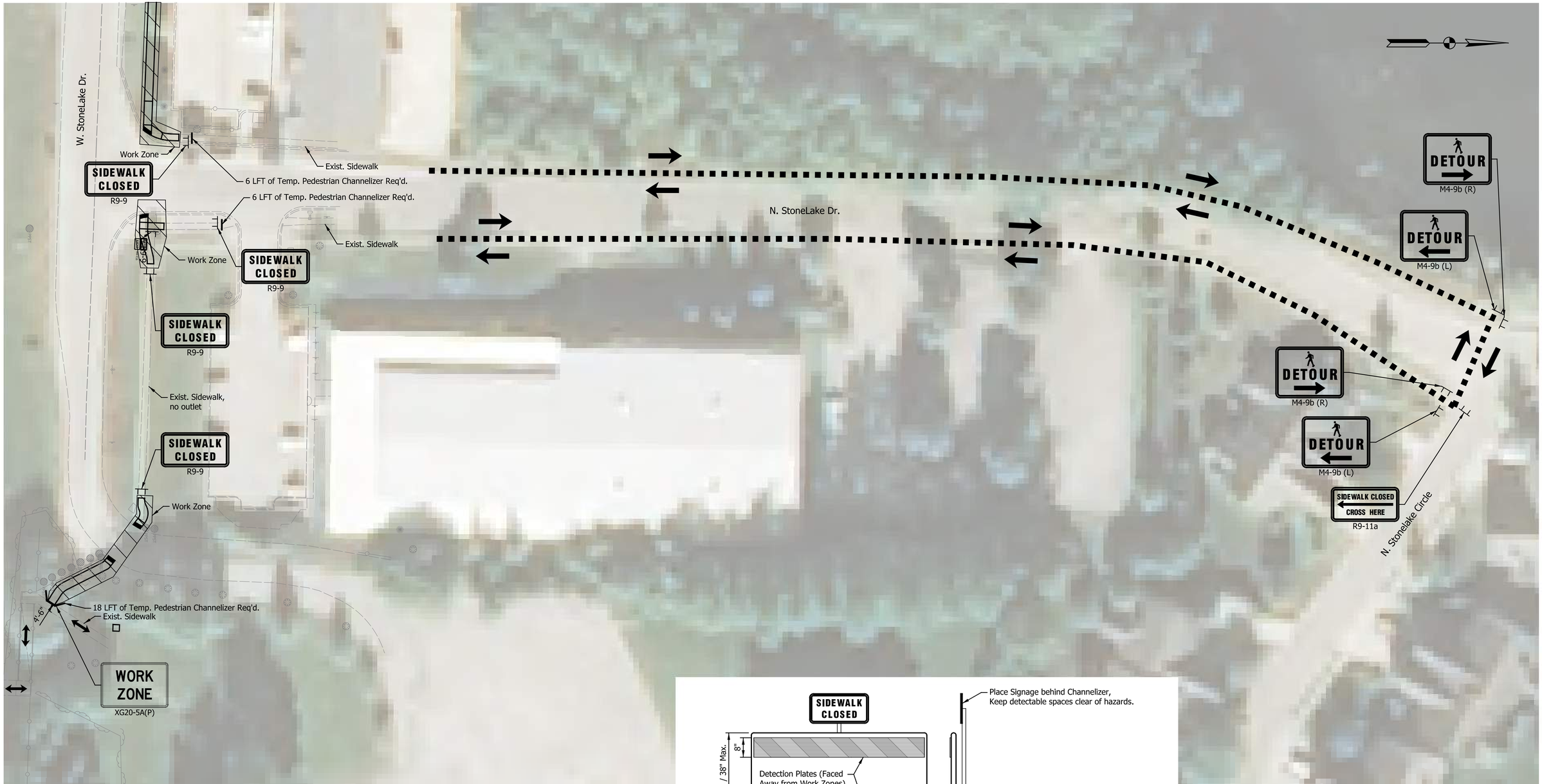

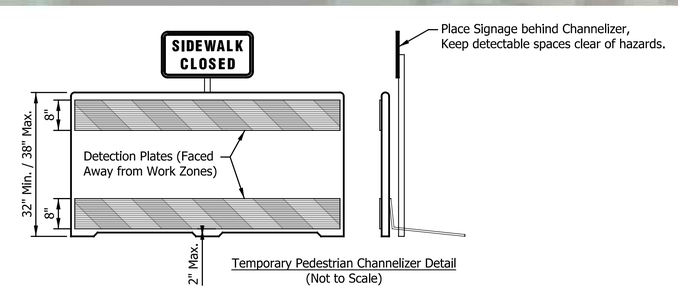

Temporary Pedestrian Channelizer Detail
(Not to Scale)

LEGEND

- Construction Sign, Type B
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

QUANTITY SUMMARY - PEDESTRIAN DETAIL

Construction Sign, Type B	10	Each
Temporary Pedestrian Channelizer	24	Lft.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I LINE "A" - PEDESTRIAN DETOUR

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	19 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-mtf.dgnlib
Indiana_Shade.tbl

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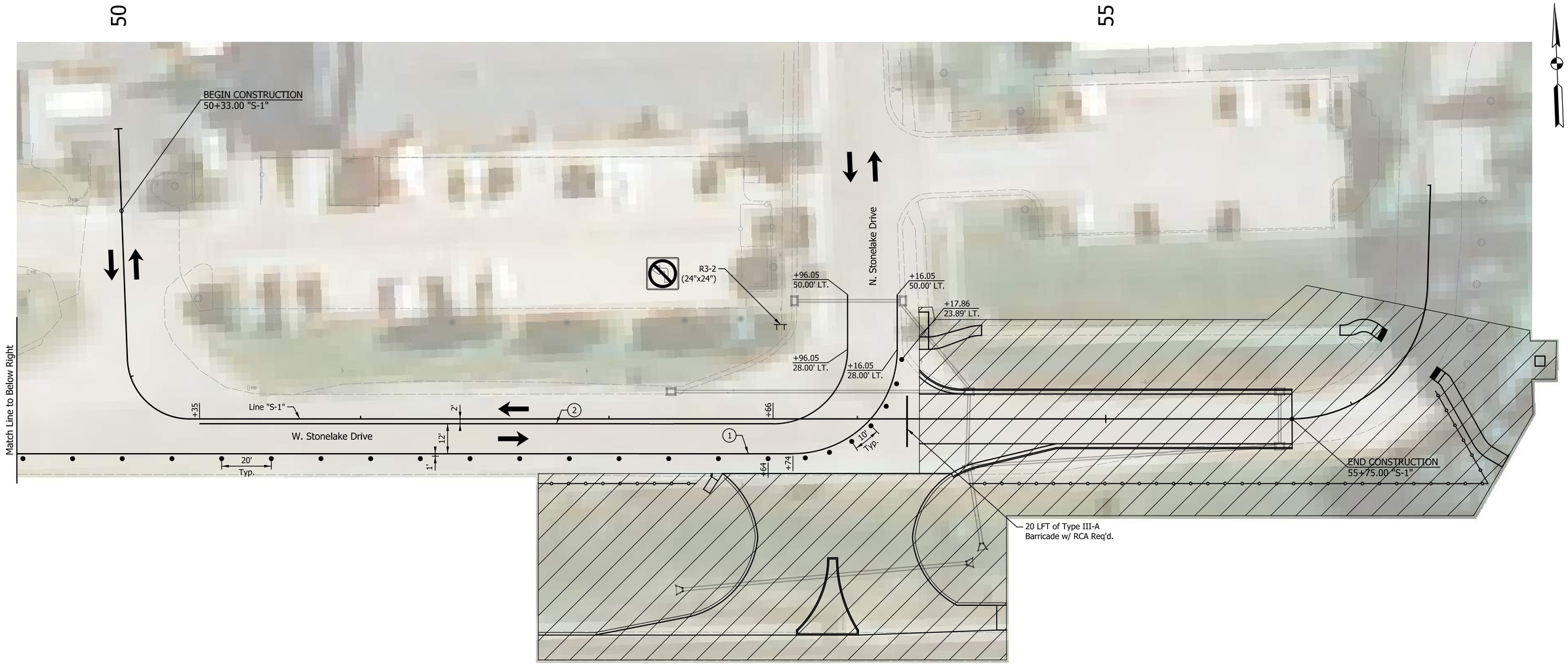

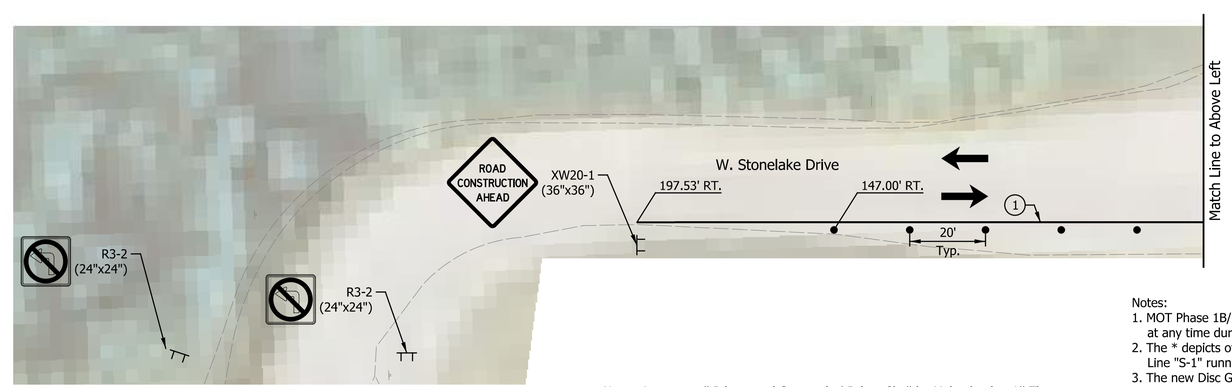

QUANTITY SUMMARY - PHASE IB		
Type III-A Barricade	20	Lft.
Temp. Pavm't. Marking, Removable, 6 in.	850	Lft.
Construction Sign, A	4	Each
Road Closure Sign Assembly	1	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

Notes:
1. MOT Phase 1B/1C/1D may be completed at any time during MOT Phase 1 or 1A.
2. The * depicts offsets from the section of Line "S-1" running due South.
3. The new Disc Golf Tee Box Shall be Constructed and Functioning Prior to Removal of Existing Tee Box.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I-B: LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	20 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.dfcfg
Indiana_Shade.tbl

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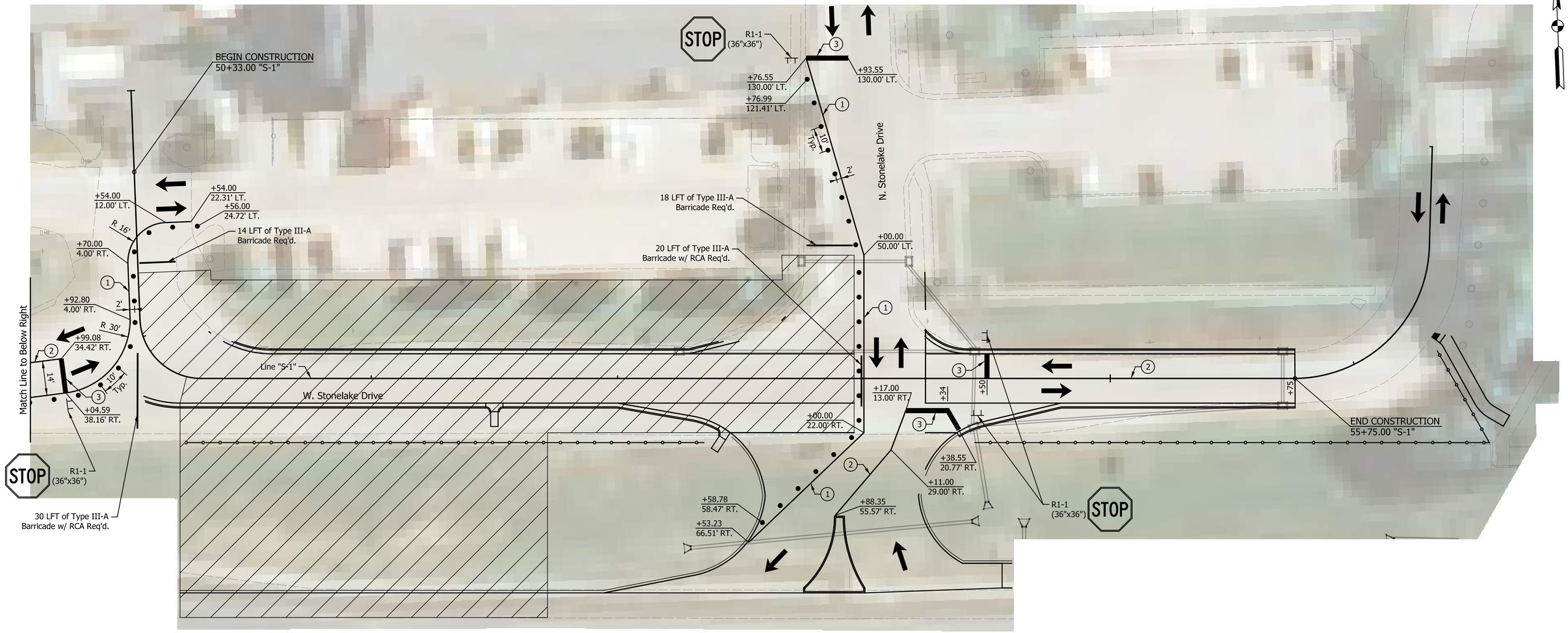
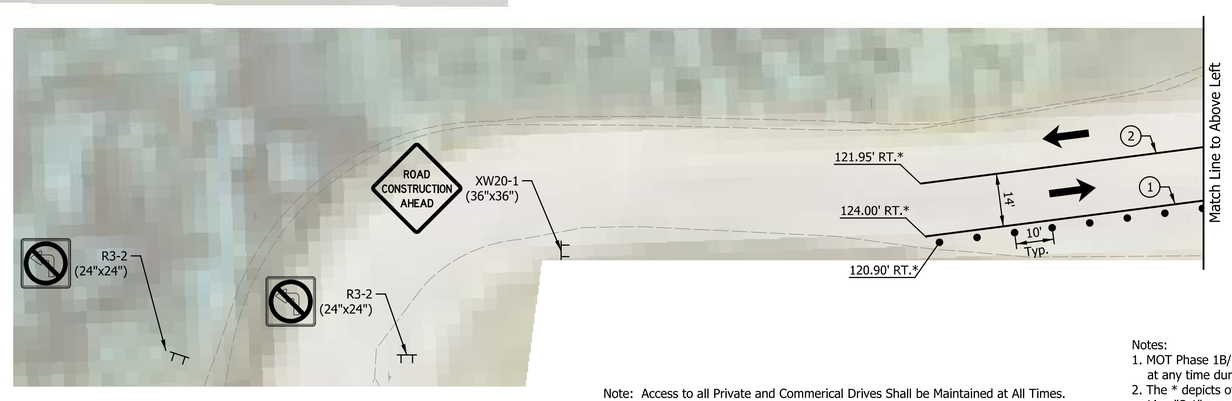




QUANTITY SUMMARY - PHASE IC		
Type III-A Barricade	82	Lft.
Temp. Pavm't. Marking, Removable, 6 in.	675	Lft.
Temp. Pavm't. Marking, Removable, 24 in.	67	Lft.
Construction Sign, A	7	Each
Road Closure Sign Assembly	2	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

Notes:
1. MOT Phase 1B/1C/1D may be completed at any time during MOT Phase 1 or 1A.
2. The * depicts offsets from the section of Line "S-1" running due South.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I-C: LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	21 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Prif.dftcfg
Indiana_Sheet6.tbl

Lmichalke 8/30/2023 2:44:16 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.PH1C.01.dgn

50 55

BEGIN CONSTRUCTION
50+33.00 "S-1"

+60.00
6.00' RT.

+60.00
28.00' RT

R 10'

24 LFT of Type III-A
Barricade Req'd.

R1-1
(36"x36")

STOP

+70.00
4.00' LT.

1'

+92.80
4.00' LT.

R 21'

+20.61
4.00' LT.

10'
Typ.

+51.92
9.47' RT.

+55.54
8.89' RT.

+70

W. Stonelake Drive

Remove Exist. Asphalt
of Exist. Stonelake Dr.

+50

+50.00
17.00' RT.

+46.34
21.76' RT.

R1-1
(36"x36")

STOP

80'

N. Stonelake Drive

+92.00
50.00' LT.

10'
Typ.

1'

+92.00
22.00' RT.

+08.74
41.76' RT.

+92.73
55.33' RT.

+29.09
62.66' RT.

+29.50
66.25' RT.

R1-1
(36"x36")

STOP

Line "S-1"

END CONSTRUCTION
55+75.00 "S-1"

QUANTITY SUMMARY - PHASE ID		
Type III-A Barricade	42	Lft.
Temp. Pavm't. Marking, Removable, 6 in.	430	Lft.
Temp. Pavm't. Marking, Removable, 24 in.	71	Lft.
Construction Sign, A	4	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

Notes:
1. MOT Phase 1B/1C/1D may be completed at any time during MOT Phase 1 or 1A.
2. The * depicts offsets from the section of Line "S-1" running due South.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I-D: LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	22 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

Lmkhalke 8/30/2023 2:44:16 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.PH1D.01.dgn

XW20-1
(48" x 48")
(A)

XG20-5P
(48" x 16")

XW3-5P
(48" x 48")

(B)

XG20-5P
(48" x 16")

R2-1B
(48" x 60")

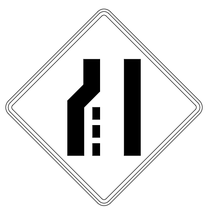
(C)

XW20-5(L)
(48" x 48")
(D)

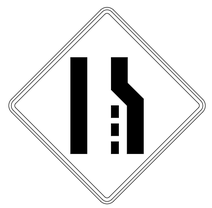
XW20-5(R)
(48" x 48")
(E)

XW9-2(L)
(48" x 48")
(F)

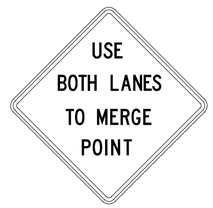
XW9-2(R)
(48" x 48")
(G)



XW4-2(L)
(36" x 36")
(H)



XW4-2(R)
(36" x 36")
(I)



W9-Y2
(48" x 48")
(J)

W9-Y2a
(48" x 48")
(K)

XW20-3
(48" x 48")

M1-5
(24" x 24")

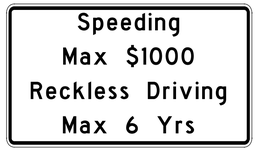
XW20-1
(48" x 48")

M3-4
(24" x 12")

M1-5
(24" x 24")

R11-2
(48" x 30")

Road Closure Sign Assembly
(RCA I)



XW2-6
(78" x 42")
(N)

(L)

(M)

QUANTITY SUMMARY - ADVANCED SIGNING PHASE II		
Construction Sign, Type A	40	Each
Construction Sign, Type B	18	Each

Scale 1" = 500'

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
ADVANCE SIGNING - PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 500'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	23 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Rdf.pltcfg
Indiana_Shade.tbl

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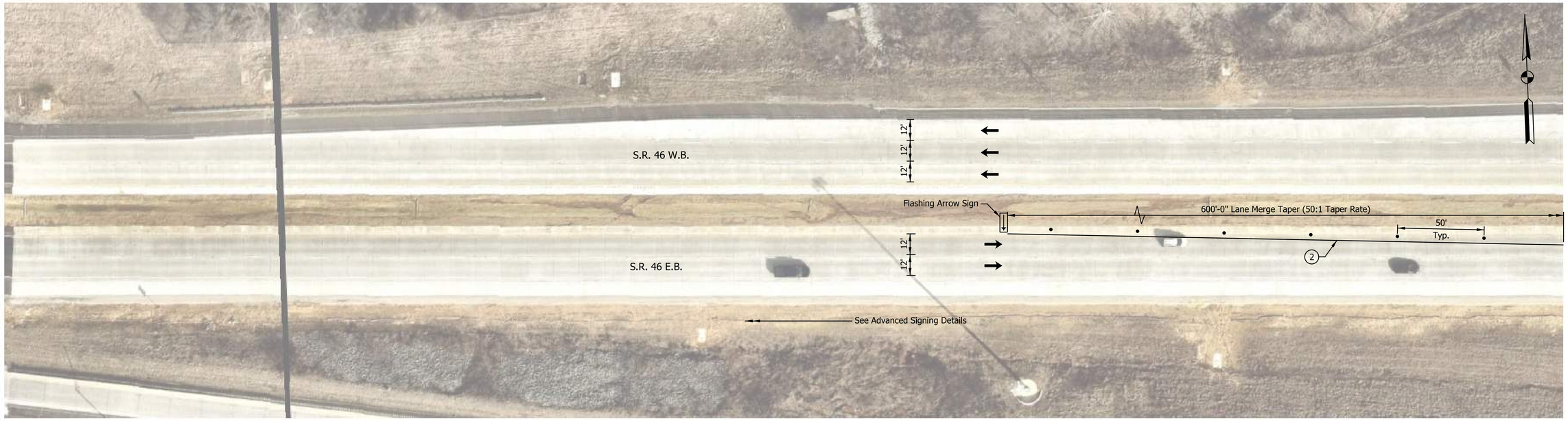

NOTE: PAVEMENT MARKINGS ARE REMOVED UNDER PHASE I.

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II LINE "B" - SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	24 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Rdf.pltcfg
Indiana_Shade.tbl

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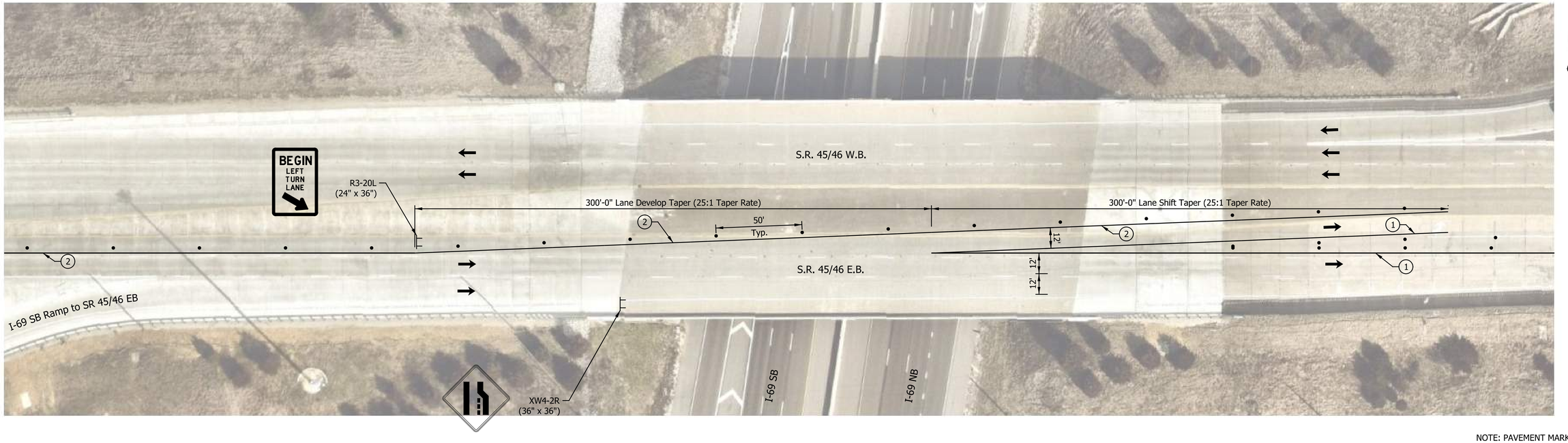
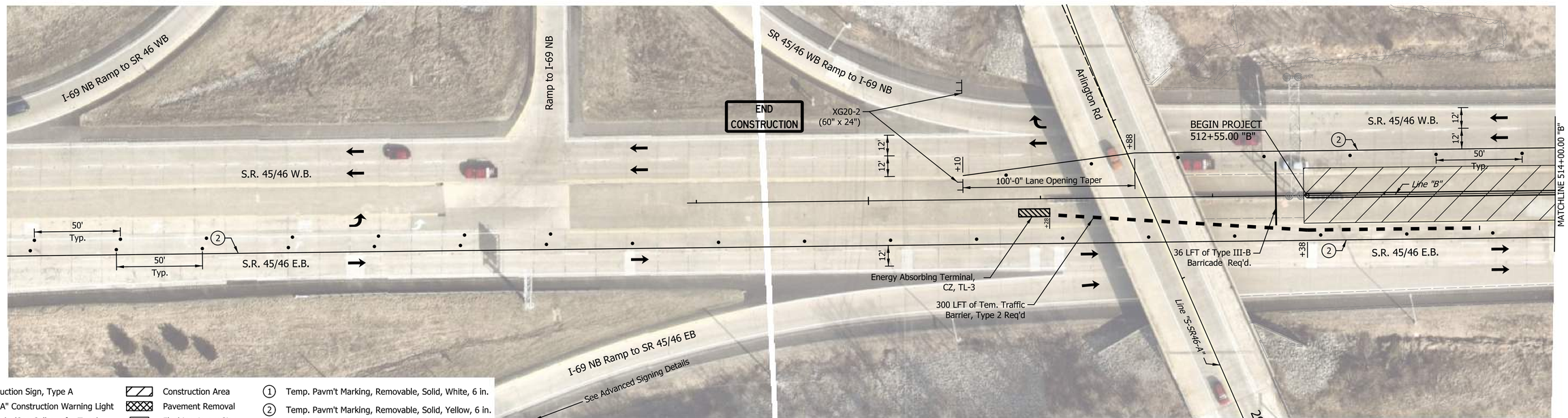


NOTE: PAVEMENT MARKINGS ARE REMOVED UNDER PHASE I.

510



LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II LINE "B" SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	25 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Sheet.tbl

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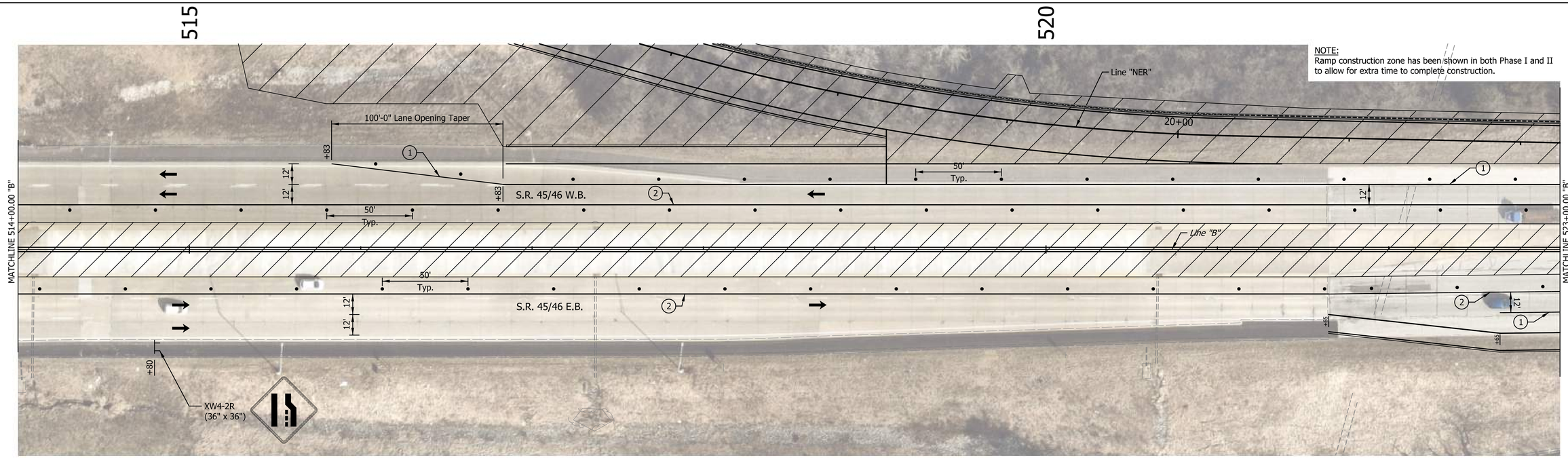
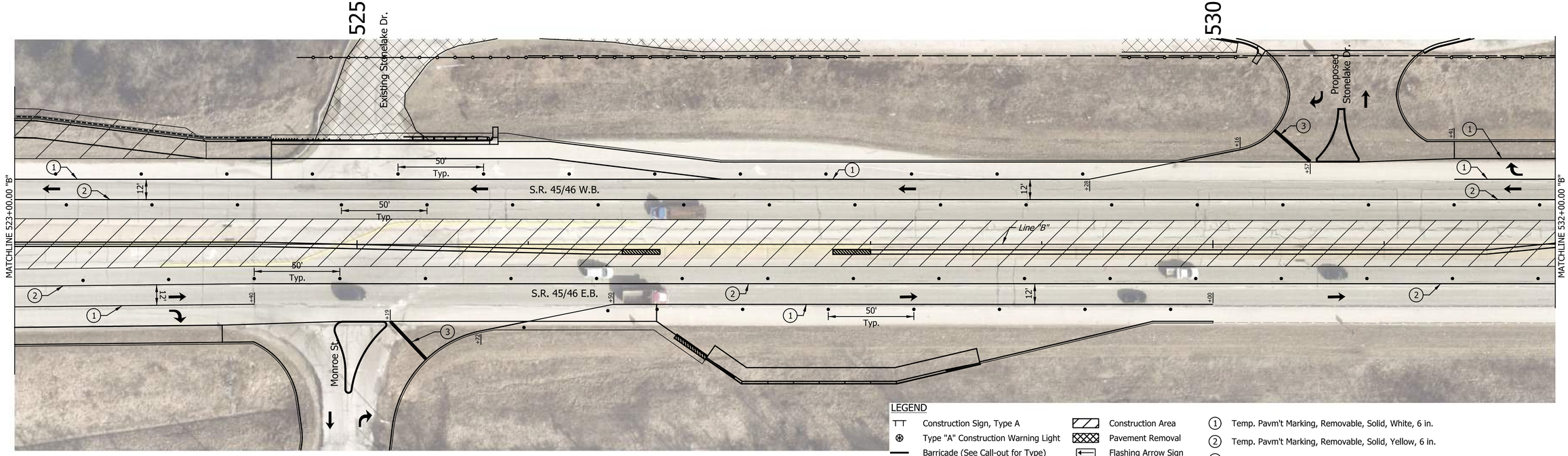


NOTE: PAVEMENT MARKINGS ARE REMOVED UNDER PHASE I.



Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II LINE "B" SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	26 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Prif_altrctg
Indiana_Shade.tbl

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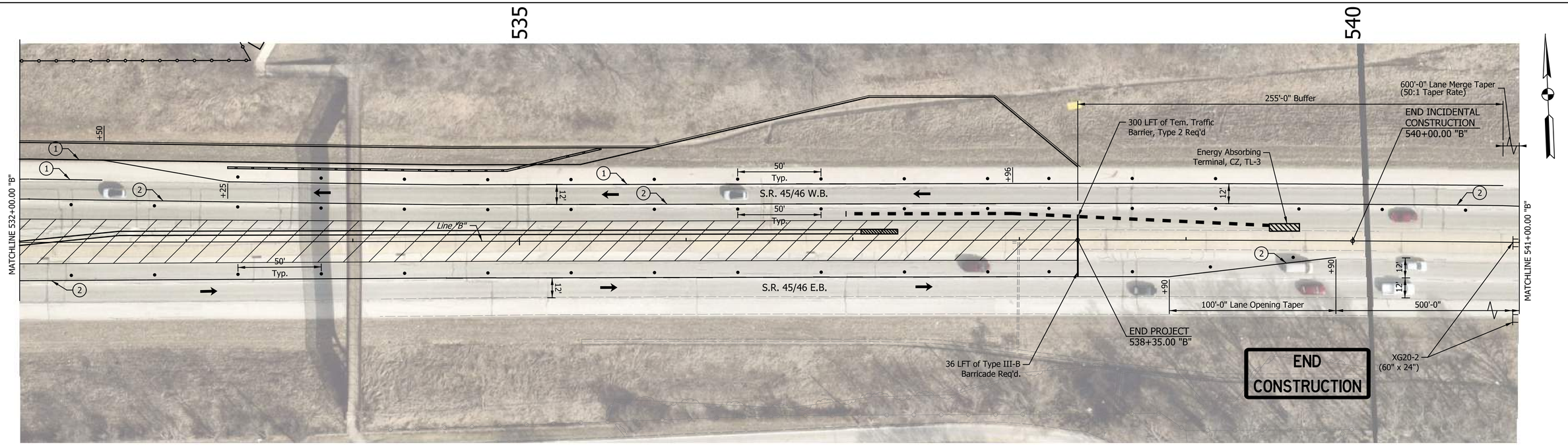
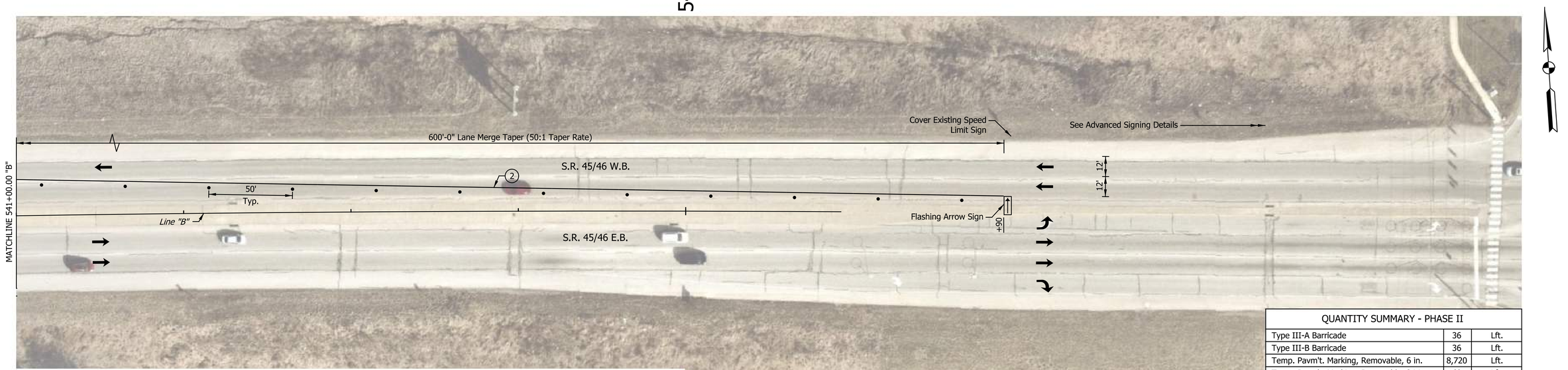


NOTE: PAVEMENT MARKINGS ARE
REMOVED UNDER PHASE I.



QUANTITY SUMMARY - PHASE II		
Type III-A Barricade	36	Lft.
Type III-B Barricade	36	Lft.
Temp. Pavm't. Marking, Removable, 6 in.	8,720	Lft.
Temp. Pavm't. Marking, Removable, 24 in.	60	Lft.
Temporary Traffic Barrier, Type 2	505	Lft.
Flashing Arrow Sign	2	Each
Energy Absorbing Terminal, CZ, TL-3	2	Each
Construction Sign, A	7	Each
Construction Sign, B	1	Each
Road Closure Sign Assembly	1	Each

LEGEND

- Construction Sign, Type A
- Type "A" Construction Warning Light
- Barricade (See Call-out for Type)
- Direction of Traffic
- Standard Drum
- Construction Area
- Pavement Removal
- Flashing Arrow Sign
- Temp. Pavm't Marking, Removable, Black, 6 in.
- (1) Temp. Pavm't Marking, Removable, Solid, White, 6 in.
- (2) Temp. Pavm't Marking, Removable, Solid, Yellow, 6 in.
- (3) Temp. Pavm't Marking, Removable, Solid, White, 24 in.
- (4) Temp. Pavm't Marking, Removable, Dotted, White, 6 in.

Construction Zone Design Speed = 45 mph
Construction Clear Zone Width = 16'-0"

Note: Access to all Private and Commerical Drives Shall be Maintained at All Times.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: TNS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

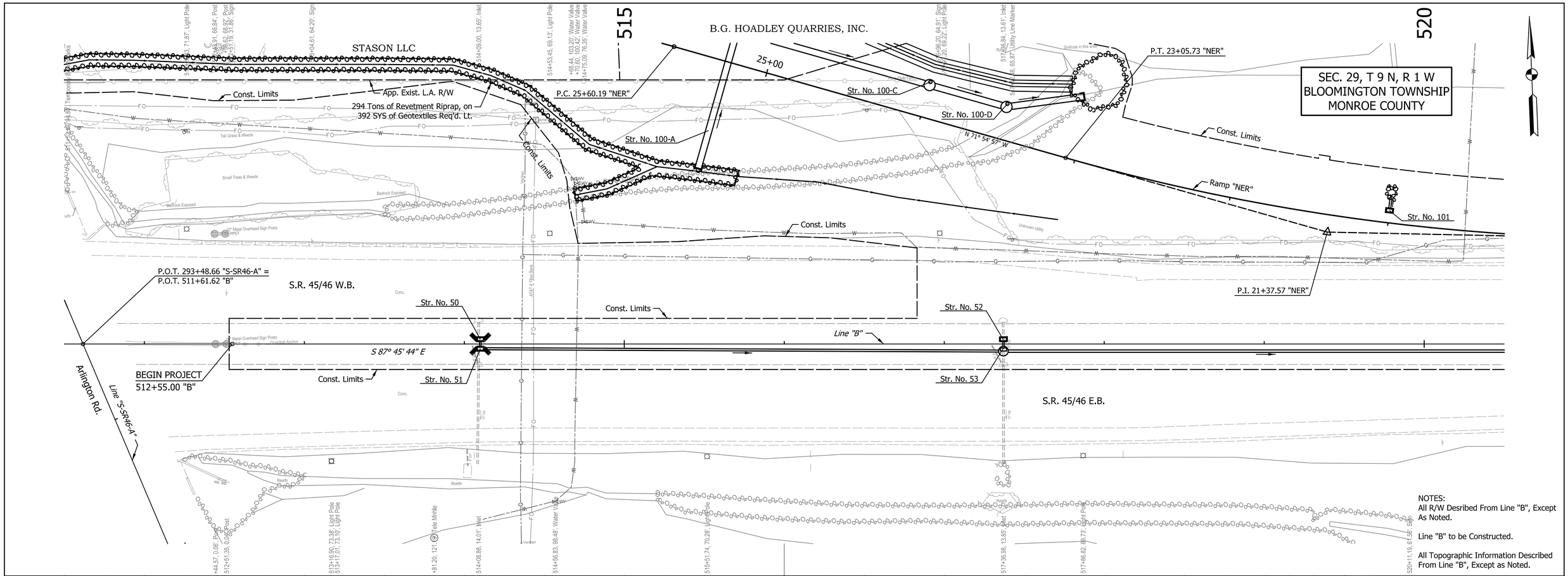
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II LINE "B" SR 45/46

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	27 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

Lmkhalke 8/30/2023 2:44:26 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.TP.PH2.04.dgn



NOTES:
All R/W Desribed From Line "B", Except As Noted.

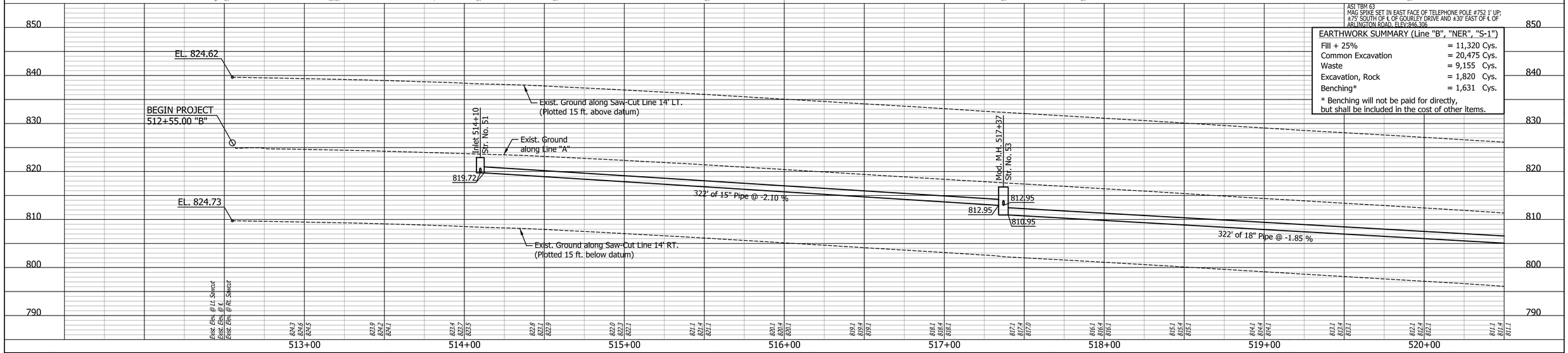
Line "B" to be Constructed.

All Topographic Information Described From Line "B", Except as Noted.

ASI TBM 63
MAG SPIKE SET IN EAST FACE OF TELEPHONE POLE #752 1' UP;
±75 SOUTH OF ℄ OF GOURLEY DRIVE AND ±30' EAST OF ℄ OF
ARLINGTON ROAD. ELEV:846.306

EARTHWORK SUMMARY (Line "B", "NER", "S-1")	
Fill + 25%	= 11,320 Cys.
Common Excavation	= 20,475 Cys.
Waste	= 9,155 Cys.
Excavation, Rock	= 1,820 Cys.
Benching*	= 1,631 Cys.

* Benching will not be paid for directly, but shall be included in the cost of other items.



DATE	REVISION

LEGEND

B Begin Limited Access R/W

E End Limited Access R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

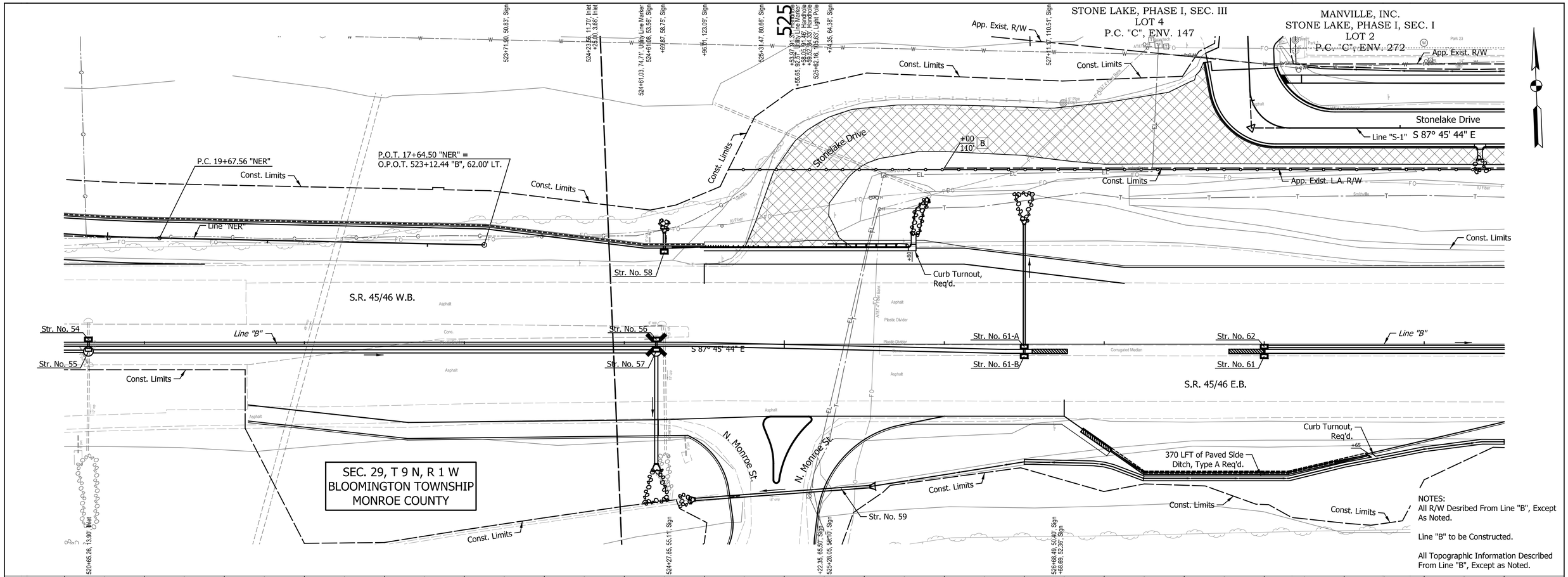
INDIANA
DEPARTMENT OF TRANSPORTATION

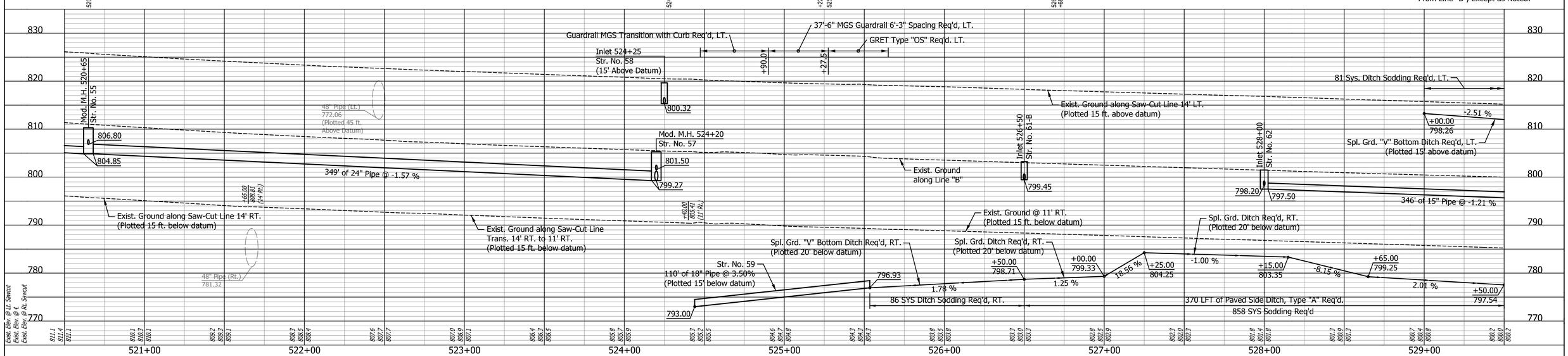
PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	28 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:28 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.01.dgn





DATE	REVISION

LEGEND

B Begin Limited Access R/W

E End Limited Access R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

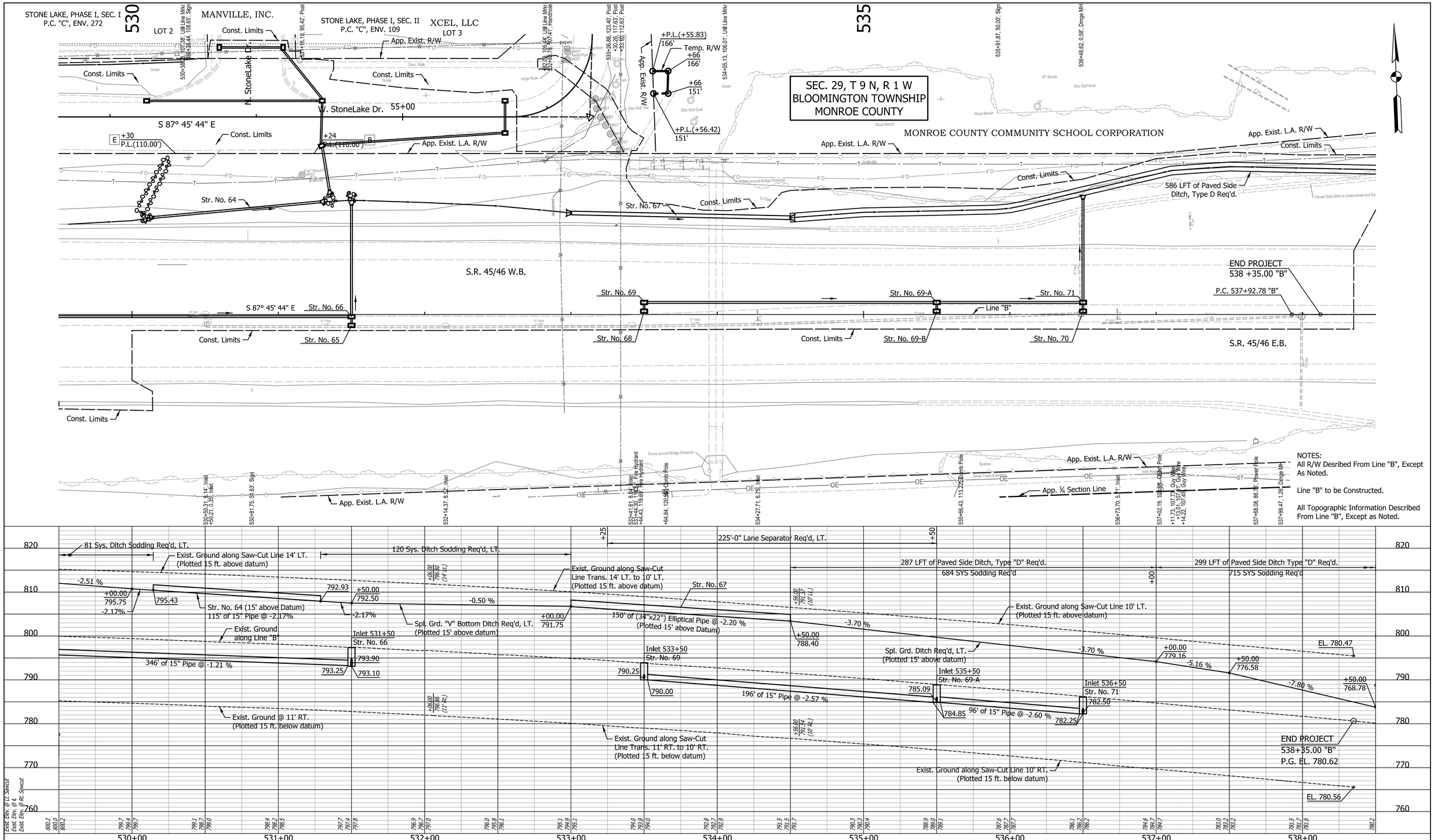
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	29 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-mdf.dgnfg
Indiana_Shade.tbl

Lmkhalke 8/30/2023 2:44:28 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.02.dgn



DATE	REVISION

LEGEND

B Begin Limited Access R/W

E End Limited Access R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: TDC

CHECKED: JPS CHECKED: JPS

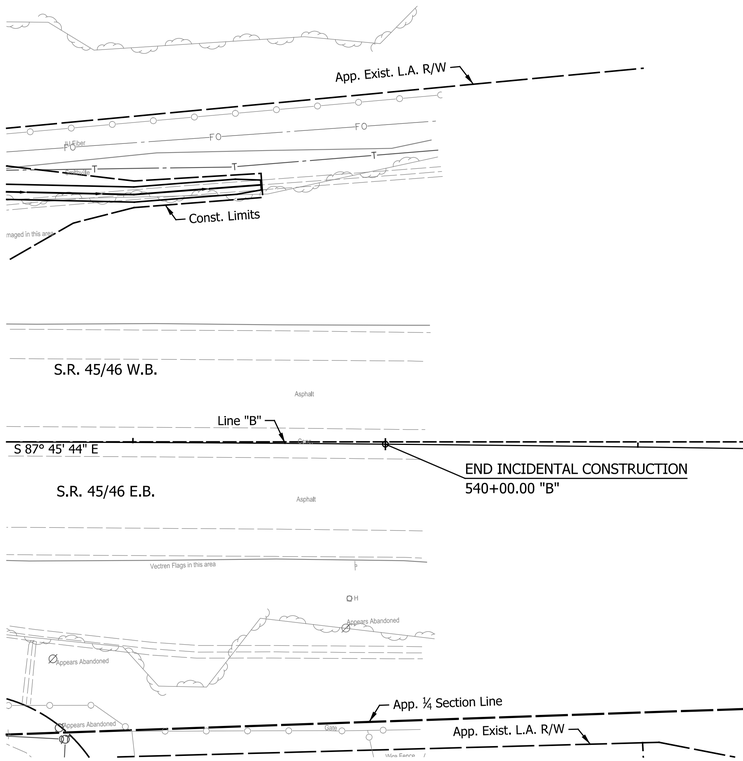
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	30 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-thlf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:29 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.03.dgn



SEC. 29, T 9 N, R 1 W
BLOOMINGTON TOWNSHIP
MONROE COUNTY

CURVE DATA
P.I. = 541+92.81 "B"
D = 2° 00' 00.00" (RT)
T = 400.03
L = 799.98
R = 22,917.70
E = 3.49

P.I. 541+92.81 "B"

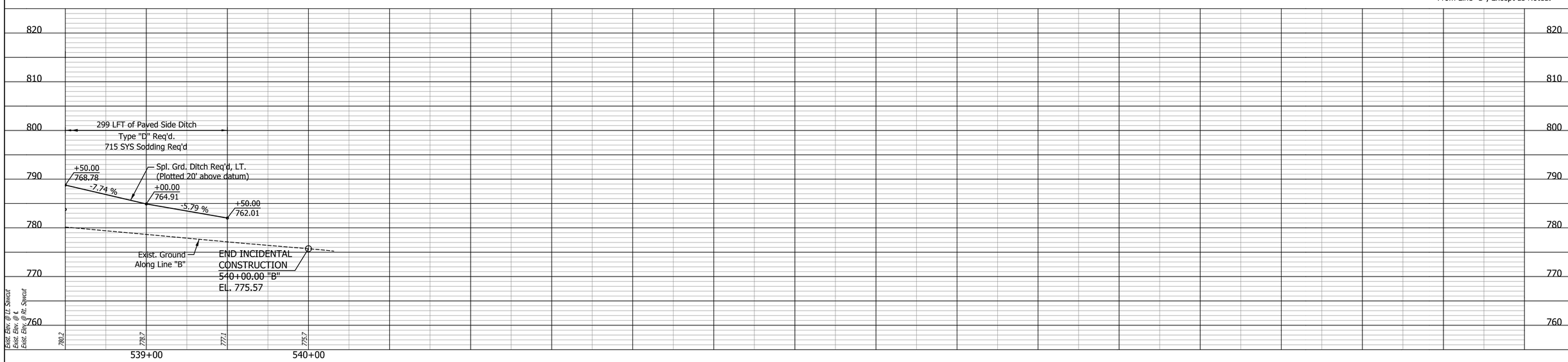
END INCIDENTAL CONSTRUCTION
540+00.00 "B"

P.T. 545+92.76 "B"

NOTES:
All R/W Desribed From Line "B", Except As Noted.

Line "B" to be Constructed.

All Topographic Information Described From Line "B", Except as Noted.



DATE	REVISION

LEGEND
B Begin Limited Access R/W
E End Limited Access R/W

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: TDC
CHECKED: JPS CHECKED: JPS

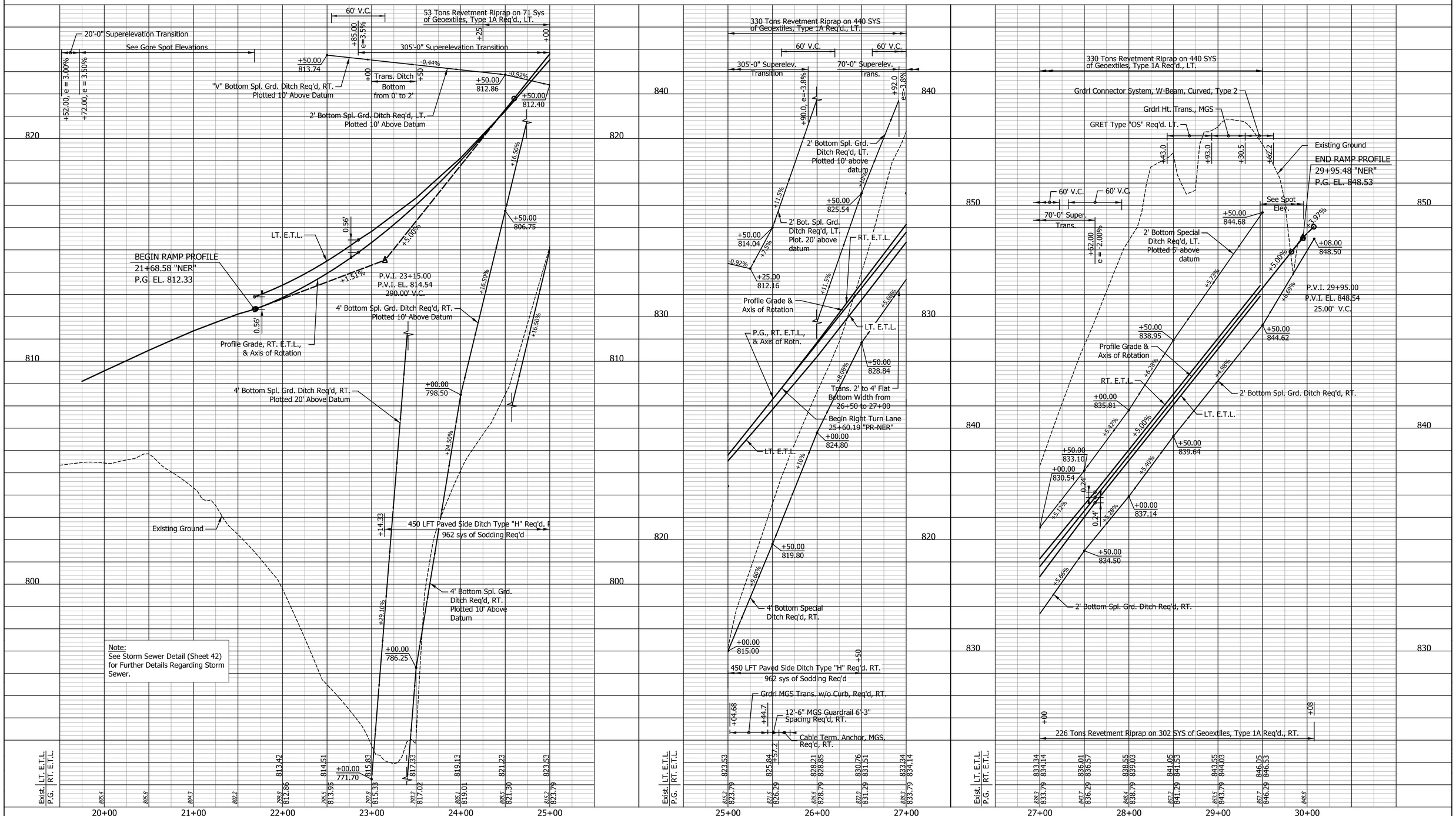
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	31 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:30 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.04.dgn



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: BAD
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

RAMP PROFILE
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	N/A
VERTICAL SCALE	DESIGNATION
1" = 2'	1700198
SURVEY BOOK	SHEETS
N/A	32 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmlchalke 8/30/2023 2:44:30 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.05.dgn

SEC. 29, T 9 N, R 1 W
BLOOMINGTON TOWNSHIP
MONROE COUNTY

STONE LAKE PHASE I
SECTION 1

MANIVILLE, INC.

MANI HERITAGE INC.

XCEL, LLC

N. Stonelake Drive

W. Stonelake Drive

S 87° 45' 44" E

S 0° 00' 00" E Due South

N 3° 55' 41" E

P.O.T. 50+00.00 "S-1"

BEGIN INCIDENTAL CONSTRUCTION
50+33.00 "S-1"

BEGIN CONSTRUCTION
50+80.00 "S-1"

P.C. 50+92.80 "S-1"

P.T. 51+31.09 "S-1"

P.I. 51+16.84 "S-1"

CURVE DATA
P.I. = 51+16.84
D = 87° 45' 44.25" (LT)
T = 24.04
L = 38.29
R = 25.00
E = 9.68
S.E. = N/A

CURVE DATA
P.I. = 56+27.97
D = 88° 18' 34.94" (LT)
T = 53.40
L = 84.77
R = 55.00
E = 21.66
S.E. = N/A

P.O.T. 57+00.00 "S-1"

P.T. 56+59.34 "S-1"

END CONSTRUCTION
55+75.00 "S-1"

P.I. 56+27.97 "S-1"

P.C. 55+74.57 "S-1"

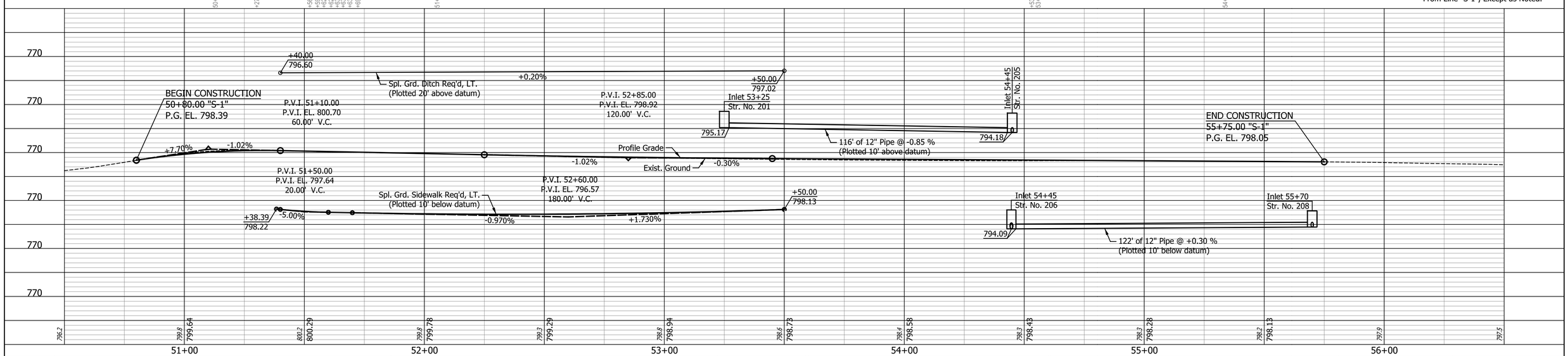
Line "S-1"

Str. No. 201
Str. No. 203
Str. No. 204
Str. No. 205
Str. No. 206
Str. No. 207
Str. No. 208
Str. No. 67

App. Exist. R/W
App. Exist. L.A. R/W
Const. Limits

NOTES:
Line "S-1" to be Constructed.

All Topographic Information Described From Line "S-1", Except as Noted.



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: BLM

CHECKED: JPS CHECKED: JPS

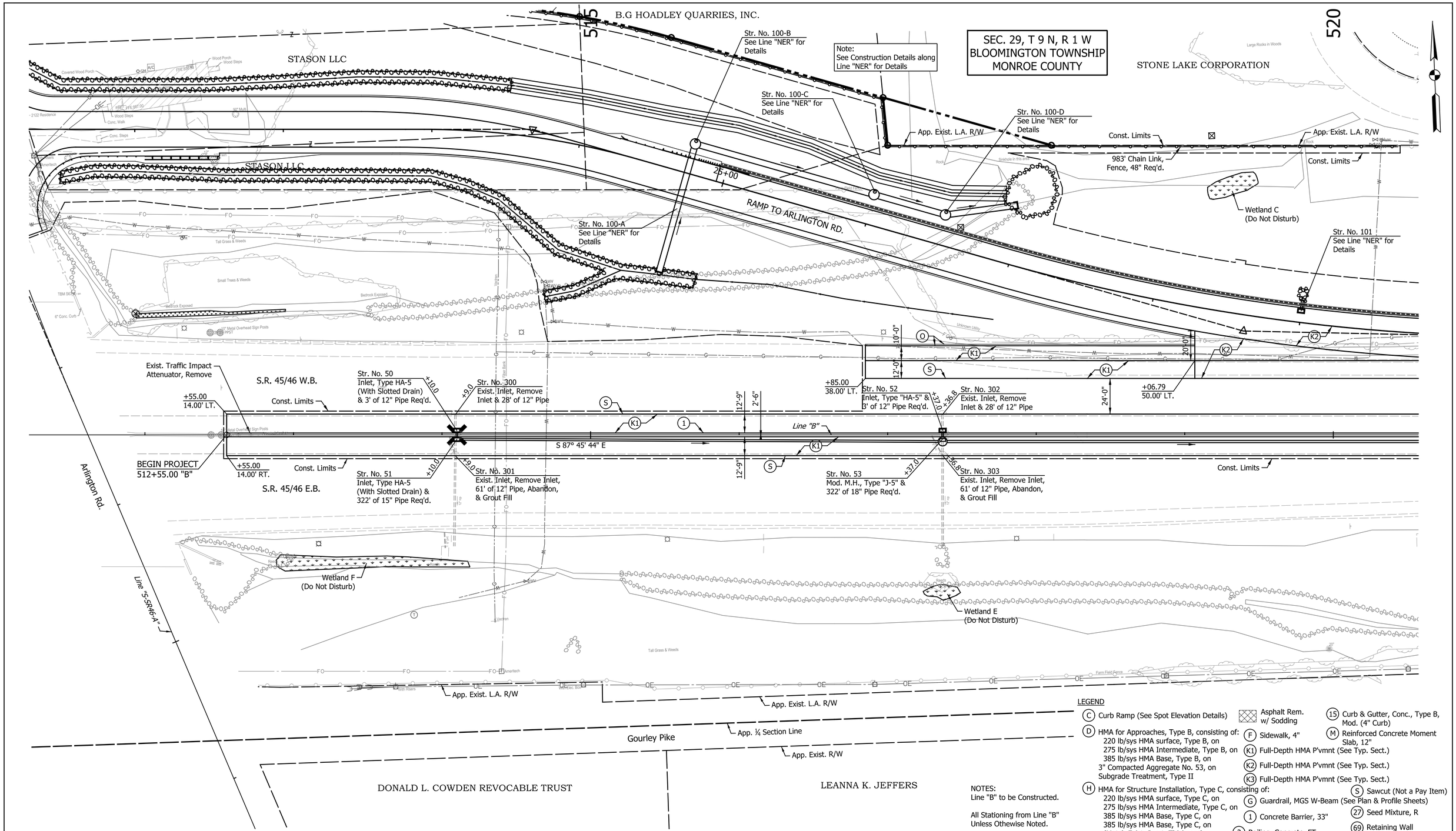
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	33 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-hdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:31 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PP.06.dgn



NOTES:
Line "B" to be Constructed.

All Stationing from Line "B" Unless Othewise Noted.

All R/W Described from Line "B" Except as Shown.

LEGEND

- (C) Curb Ramp (See Spot Elevation Details)
- (D) HMA for Approaches, Type B, consisting of: 220 lb/sys HMA surface, Type B, on 275 lb/sys HMA Intermediate, Type B, on 385 lb/sys HMA Base, Type B, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type II
- (H) HMA for Structure Installation, Type C, consisting of: 220 lb/sys HMA surface, Type C, on 275 lb/sys HMA Intermediate, Type C, on 385 lb/sys HMA Base, Type C, on 385 lb/sys HMA Base, Type C, on (Match Exist. Pvmt. Thickness), Subgrade Treatment* (See Typ. Section)
- Asphalt Rem. w/ Sodding
- (F) Sidewalk, 4"
- (K1) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K2) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K3) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (G) Guardrail, MGS W-Beam (See Plan & Profile Sheets)
- (1) Concrete Barrier, 33"
- (2) Railing, Concrete, FT
- (13) Center Curb, Type D, Concrete
- (15) Curb & Gutter, Conc., Type B, Mod. (4" Curb)
- (M) Reinforced Concrete Moment Slab, 12"
- (S) Sawcut (Not a Pay Item)
- (27) Seed Mixture, R
- (69) Retaining Wall
- (O) Var. Depth Compacted Aggregate, No. 53

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

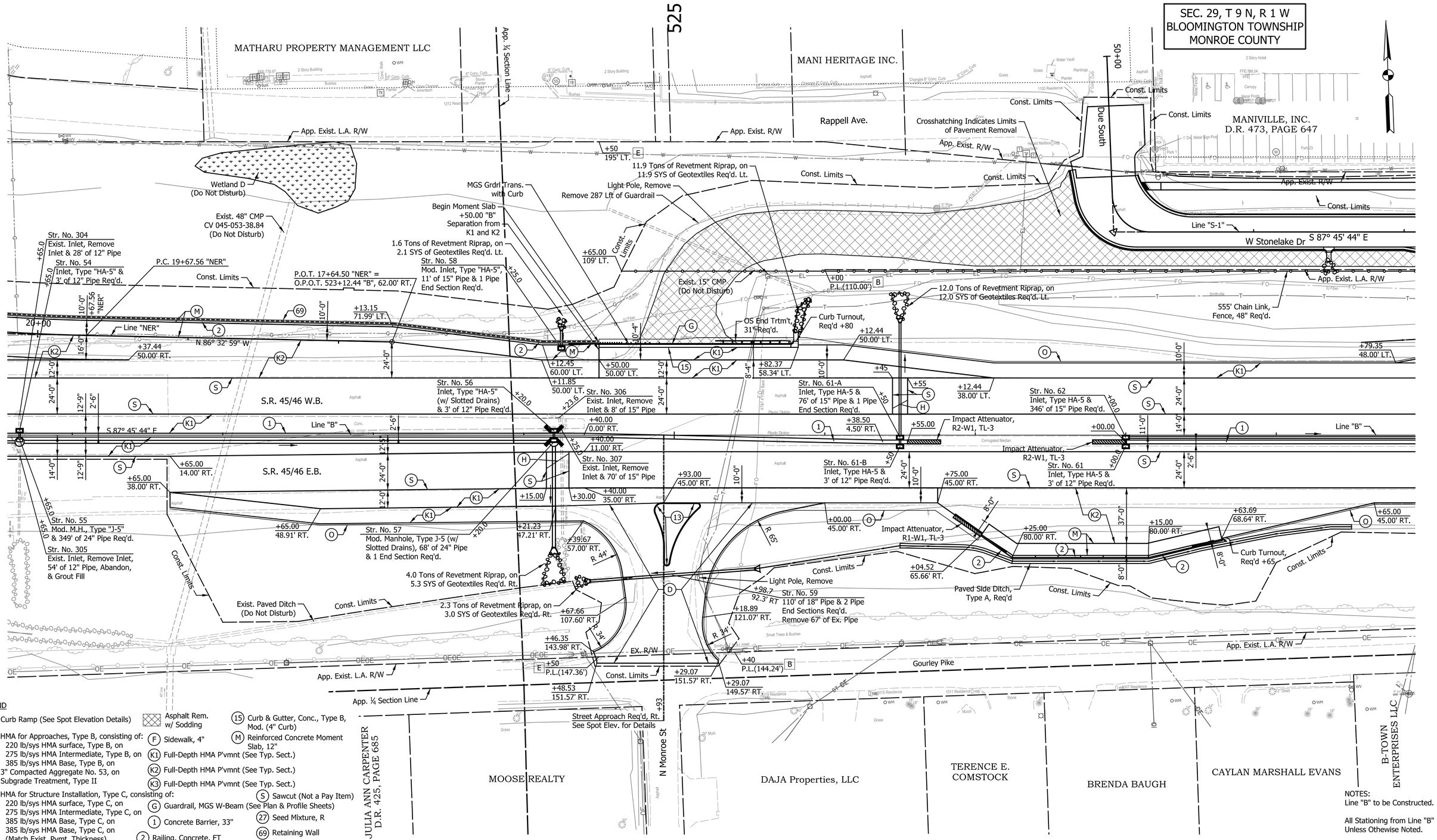
CONSTRUCTION DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	34 of 131
CONTRACT	PROJECT
R-42426	1700198

Lmichalke 8/30/2023 2:44:32 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.01.dgn

Indy-Pdf.pltcfg
Indiana_Shade.tbl

SEC. 29, T 9 N, R 1 W
BLOOMINGTON TOWNSHIP
MONROE COUNTY



LEGEND

- (C) Curb Ramp (See Spot Elevation Details)
- (D) HMA for Approaches, Type B, consisting of: 220 lb/sys HMA surface, Type B, on 275 lb/sys HMA Intermediate, Type B, on 385 lb/sys HMA Base, Type B, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type II
- (H) HMA for Structure Installation, Type C, consisting of: 220 lb/sys HMA surface, Type C, on 275 lb/sys HMA Intermediate, Type C, on 385 lb/sys HMA Base, Type C, on 385 lb/sys HMA Base, Type C, on (Match Exist. Pvmt. Thickness), Subgrade Treatment* (See Typ. Section)
- Asphalt Rem. w/ Sodding
- (F) Sidewalk, 4"
- (K1) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K2) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K3) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (G) Guardrail, MGS W-Beam (See Plan & Profile Sheets)
- (1) Concrete Barrier, 33"
- (2) Railing, Concrete, FT
- (13) Center Curb, Type D, Concrete
- (15) Curb & Gutter, Conc., Type B, Mod. (4" Curb)
- (M) Reinforced Concrete Moment Slab, 12"
- (S) Sawcut (Not a Pay Item)
- (27) Seed Mixture, R
- (69) Retaining Wall
- (O) Var. Depth Compacted Aggregate, No. 53

NOTES:
Line "B" to be Constructed.

All Stationing from Line "B"
Unless Othewise Noted.

All R/W Described from Line
"B" Except as Shown.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

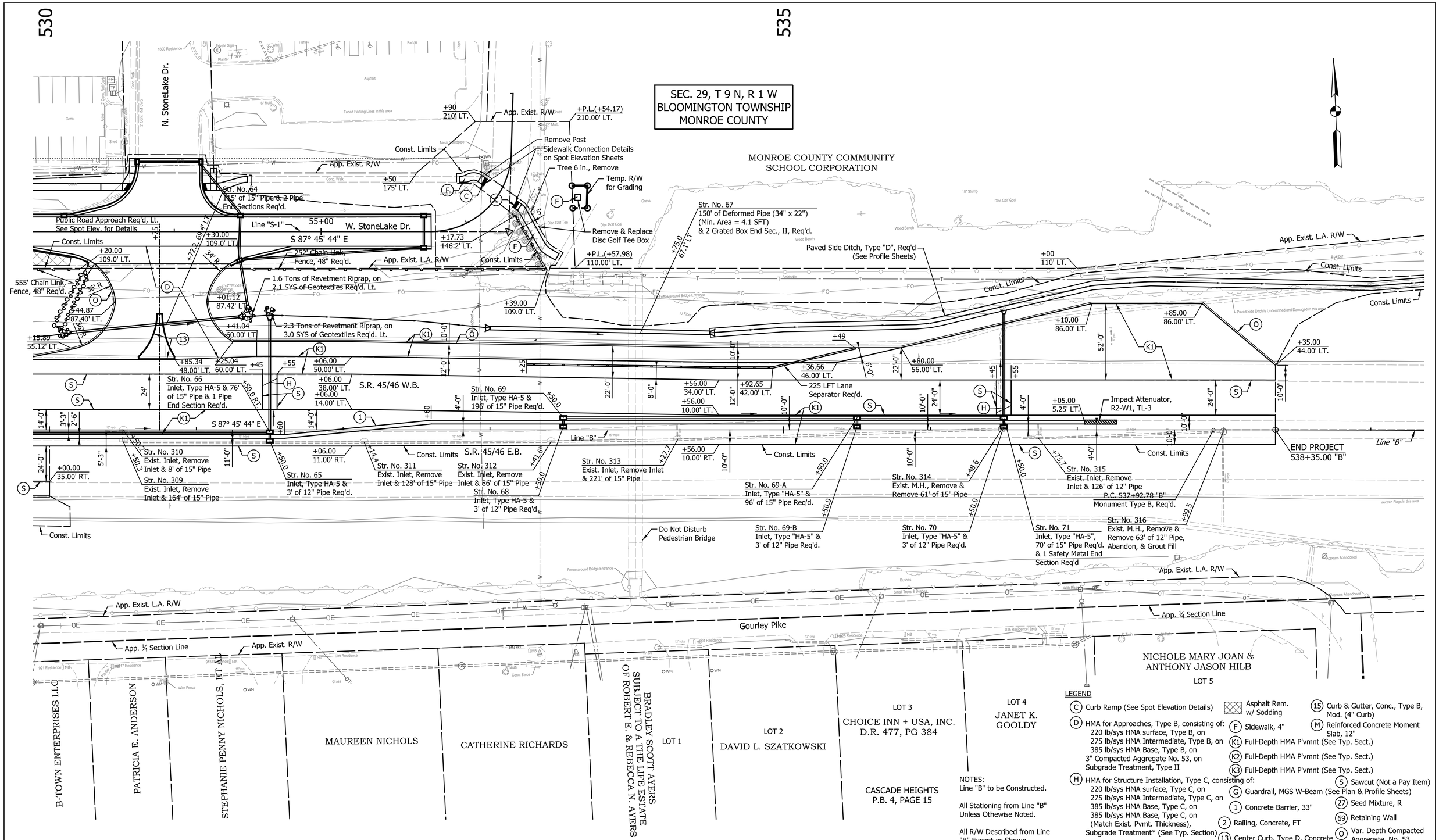
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	35 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:33 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.02.dgn



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

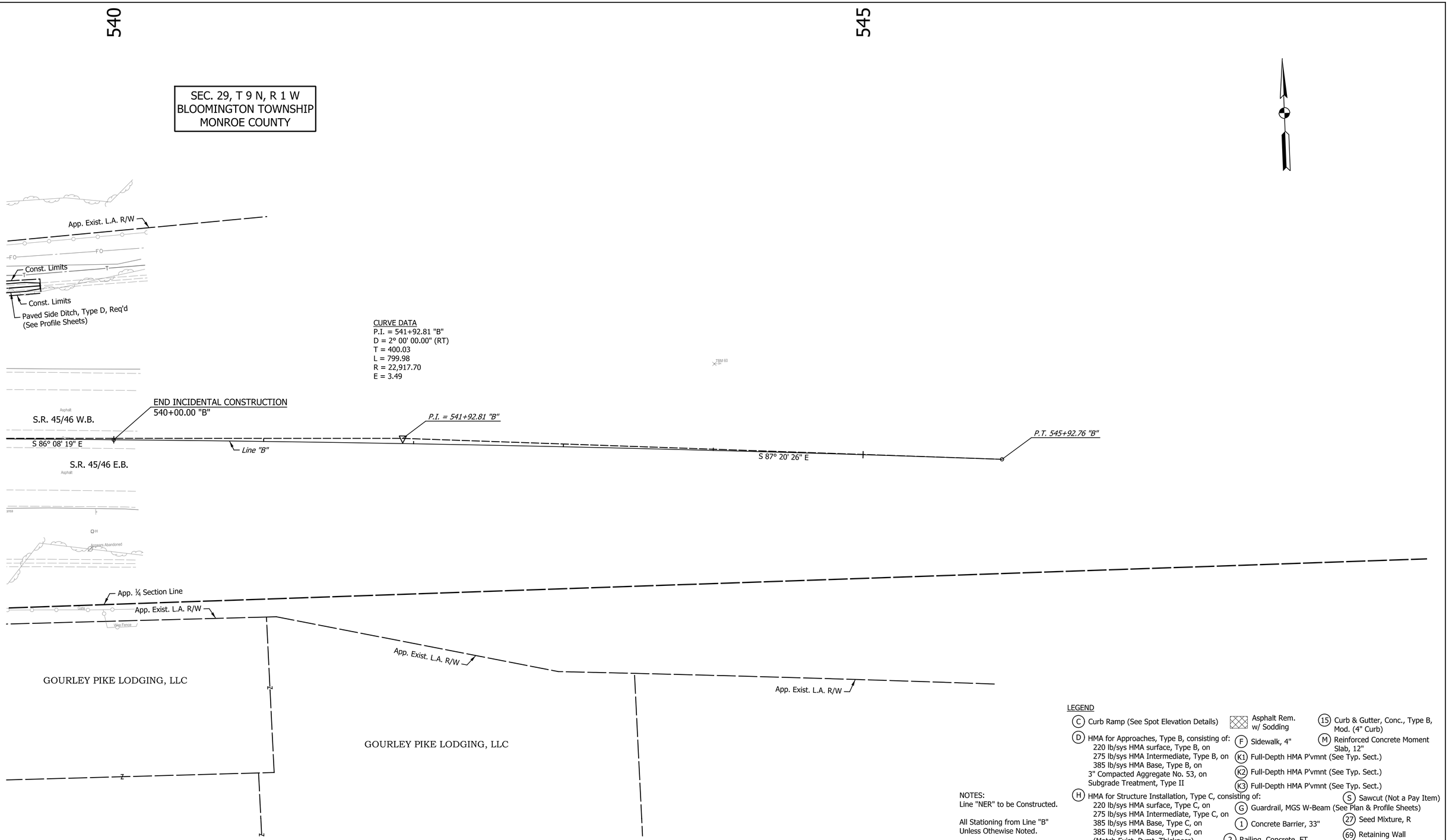
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	36 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmkhalke 8/30/2023 2:44:34 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.03.dgn



LEGEND

- (C) Curb Ramp (See Spot Elevation Details)
- (D) HMA for Approaches, Type B, consisting of:
  220 lb/sys HMA surface, Type B, on
  275 lb/sys HMA Intermediate, Type B, on
  385 lb/sys HMA Base, Type B, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type II
- (H) HMA for Structure Installation, Type C, consisting of:
  220 lb/sys HMA surface, Type C, on
  275 lb/sys HMA Intermediate, Type C, on
  385 lb/sys HMA Base, Type C, on
  385 lb/sys HMA Base, Type C, on
  (Match Exist. Pvmt. Thickness),
  Subgrade Treatment* (See Typ. Section)
- Asphalt Rem. w/ Sodding
- (F) Sidewalk, 4"
- (K1) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K2) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K3) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (G) Guardrail, MGS W-Beam (See Plan & Profile Sheets)
- (1) Concrete Barrier, 33"
- (2) Railing, Concrete, FT
- (13) Center Curb, Type D, Concrete
- (15) Curb & Gutter, Conc., Type B, Mod. (4" Curb)
- (M) Reinforced Concrete Moment Slab, 12"
- (S) Sawcut (Not a Pay Item)
- (27) Seed Mixture, R
- (69) Retaining Wall
- (O) Var. Depth Compacted Aggregate, No. 53

NOTES:
Line "NER" to be Constructed.

All Stationing from Line "B"
Unless Othewise Noted.

All R/W Described from Line
"B" Except as Shown.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	37 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:34 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.03a.dgn

Note:
See Construction Details
along Line "B" for Details

Const. Limits

520+00

Line "B"

S 87° 45' 44" E

P.O.T. 17+64.50 "NER" =
O.P.O.T. 523+12.44 "B", 62.00' LT.
Monument, Type B, Req'd

+39.21
15.70' LT.

P.I. 21+37.57 "NER"
Monument, Type B, Req'd

+65.23
35.71' LT.

+71.80
100.16' LT.

N 86° 33' 00" W

+64.50
10.00' RT.

+67.56
10.00' RT.

P.C. 19+67.56 "NER"
Monument, Type B, Req'd

+68.58
16.00' LT.

P.T. 23+05.73 "NER"
Monument, Type B, Req'd

Str. No. 100-C
Manhole, Type "K-4",
43' of 48" Pipe

Str. No. 100-D
Manhole, Type "K-4" &
46' of 48" Pipe & 1 Pipe
Anchor Req'd

RAMP TO
ARLINGTON
RD.

Ramp "NER"

+05.73
10.00' RT.

N 71° 54' 57" W

Str. No. 101
Mod. Inlet, Type "HA-5",
11' of 15" Pipe, & 1 Pipe
End Section Req'd.

1.6 Tons of Revetment Riprap, on
2.1 SYS of Geotextiles Req'd. Rt.

BEGIN RAMP CONSTRUCTION
21+68.58

SEC. 29, T 9 N, R 1 W
BLOOMINGTON TOWNSHIP
MONROE COUNTY

CURVE DATA
P.I. = 21+37.57 "NER"
D = 14° 38' 02.43" (RT)
T = 170.01
L = 338.16
R = 1,324.00
E = 10.87
S.E. = 3.50 %

Wetland D
(Do Not Disturb)

Wetland C
(Do Not Disturb)

Approx. Location of
Karst Feature #S-1
See MSE Wall Details
for Treatment

115 Tons of Class II Riprap, on
92 SYS of Geotextiles Req'd. Rt.

Paved Side Ditch
Type "H" Req'd.

+43.57
124.3' RT.

App. Exist. L.A. R/W

983' Chain Link,
Fence, 48" Req'd.

+P.L.(+93.45)
85.00'

Approx. Location of Karst
Feature #S-2 (Do Not Disturb)
5' x 3' x 2'

STONE LAKE CORPORATION

Temp. R/W for
Slope Const.

R/W

85' R/W

MATHARU PROPERTY MANAGEMENT LLC

20'-0"
Utility Easement

35'-7"
Utility Easement

MATHARU PROPERTY MANAGEMENT LLC

LEGEND

- (C) Curb Ramp (See Spot Elevation Details)
- (D) HMA for Approaches, Type B, consisting of: 220 lb/sys HMA surface, Type B, on 275 lb/sys HMA Intermediate, Type B, on 385 lb/sys HMA Base, Type B, on 3" Compacted Aggregate No. 53, on Subgrade Treatment, Type II
- (H) HMA for Structure Installation, Type C, consisting of: 220 lb/sys HMA surface, Type C, on 275 lb/sys HMA Intermediate, Type C, on 385 lb/sys HMA Base, Type C, on 385 lb/sys HMA Base, Type C, on (Match Exist. Pvmt. Thickness), Subgrade Treatment* (See Typ. Section)
- Asphalt Rem. w/ Sodding
- (F) Sidewalk, 4"
- (K1) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K2) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K3) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (G) Guardrail, MGS W-Beam (See Plan & Profile Sheets)
- (1) Concrete Barrier, 33"
- (2) Railing, Concrete, FT
- (13) Center Curb, Type D, Concrete
- (15) Curb & Gutter, Conc., Type B, Mod. (4" Curb)
- (M) Reinforced Concrete Moment Slab, 12"
- (S) Sawcut (Not a Pay Item)
- (27) Seed Mixture, R
- (69) Retaining Wall
- (O) Var. Depth Compacted Aggregate, No. 53

NOTES:
Line "NER" to be Constructed.

All Stationing from Line "NER"
Unless Othewise Noted.

All R/W Described from Line
"NER" Except as Shown.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

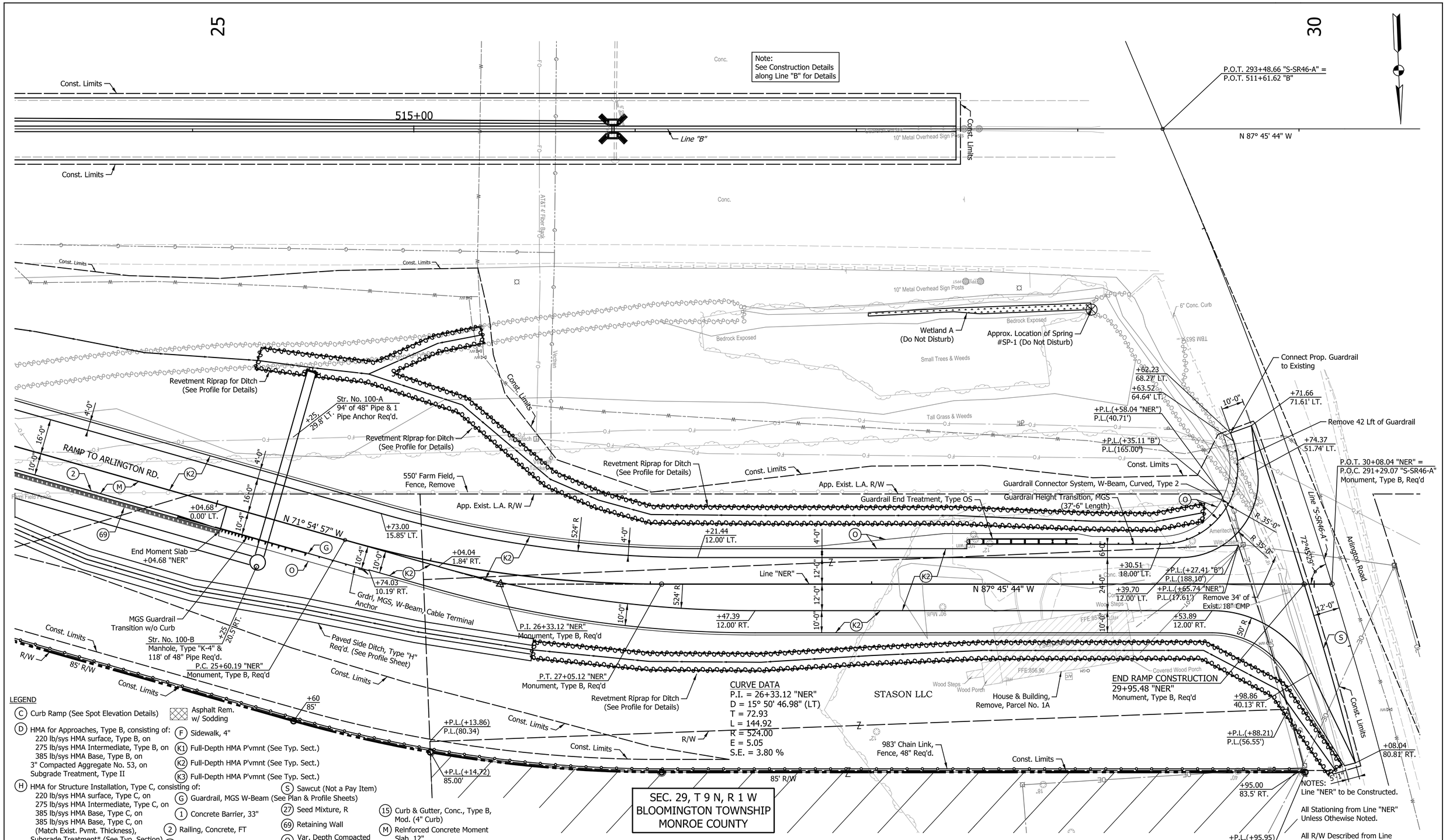
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	38 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmkchalke 8/30/2023 2:44:35 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.04.dgn



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

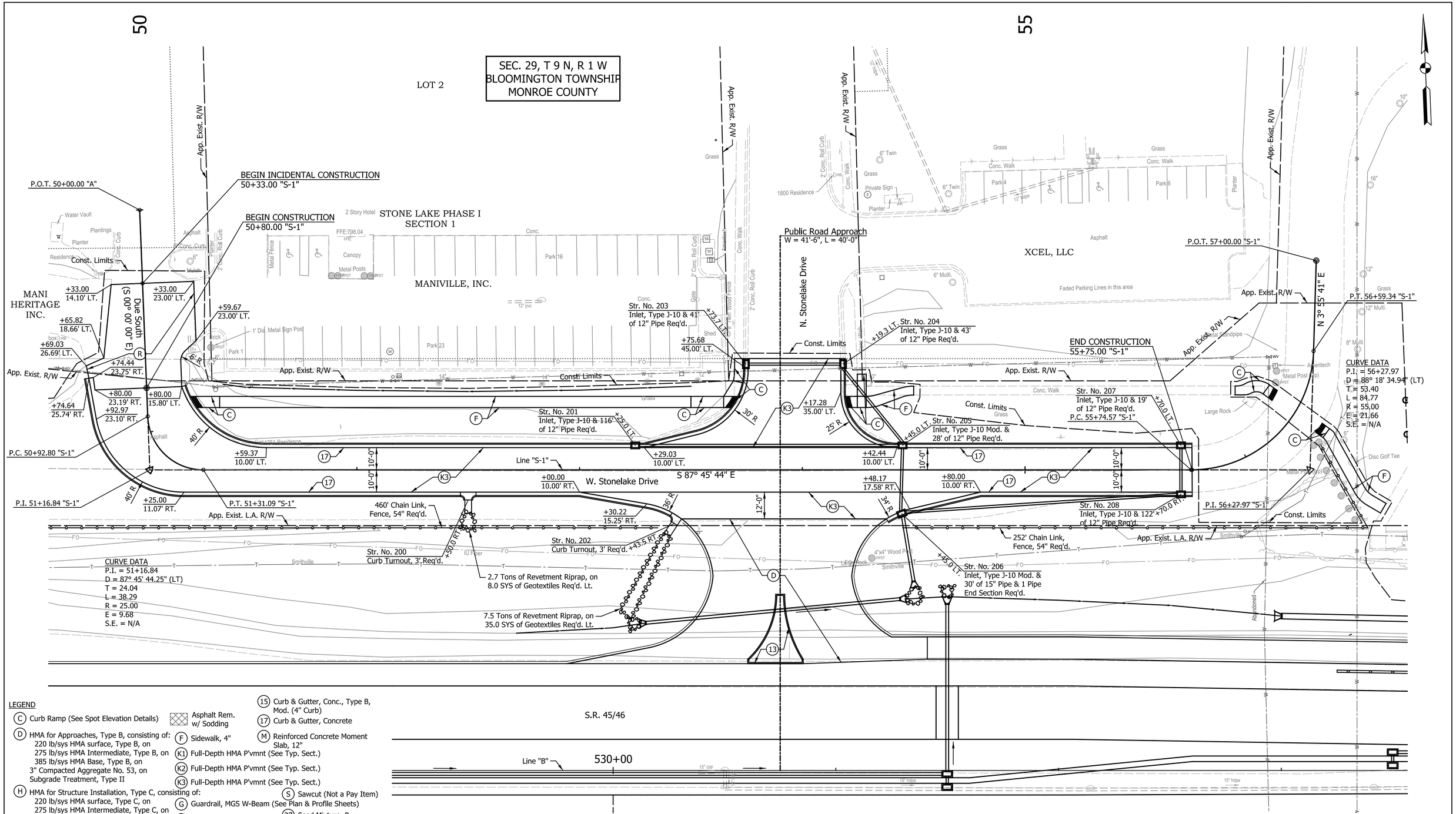
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	39 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.dfcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:35 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.05.dgn



LEGEND

- (C) Curb Ramp (See Spot Elevation Details)
- (D) HMA for Approaches, Type B, consisting of:
  220 lb/sys HMA surface, Type B, on
  275 lb/sys HMA Intermediate, Type B, on
  385 lb/sys HMA Base, Type B, on
  3" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type II
- (H) HMA for Structure Installation, Type C, consisting of:
  220 lb/sys HMA surface, Type C, on
  275 lb/sys HMA Intermediate, Type C, on
  385 lb/sys HMA Base, Type C, on
  385 lb/sys HMA Base, Type C, on
  (Match Exist. Pvmt. Thickness),
  Subgrade Treatment* (See Typ. Section)
- Asphalt Rem. w/ Sodding
- (F) Sidewalk, 4"
- (K1) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K2) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (K3) Full-Depth HMA P'vmnt (See Typ. Sect.)
- (G) Guardrail, MGS W-Beam (See Plan & Profile Sheets)
- (1) Concrete Barrier, 33"
- (2) Railing, Concrete, FT
- (13) Center Curb, Type D, Concrete
- (15) Curb & Gutter, Conc., Type B, Mod. (4" Curb)
- (17) Curb & Gutter, Concrete
- (M) Reinforced Concrete Moment Slab, 12"
- (S) Sawcut (Not a Pay Item)
- (27) Seed Mixture, R
- (69) Retaining Wall
- (O) Var. Depth Compacted Aggregate, No. 53

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

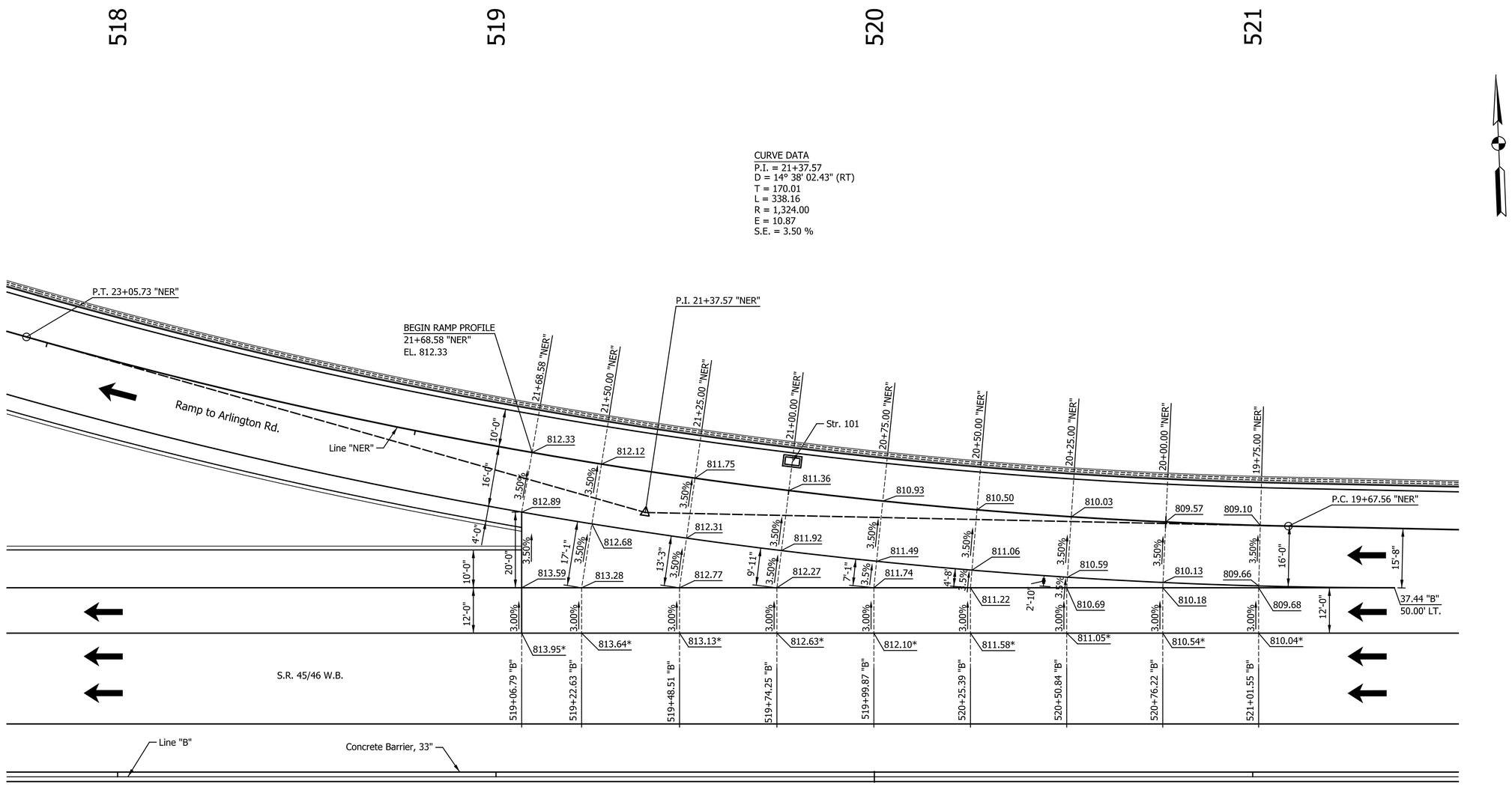
INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	40 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Rdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:36 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CD.06.dgn



* - Match Exist. Elevation

NOTES:
All Elevations Shown at Edge of Pavement
Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

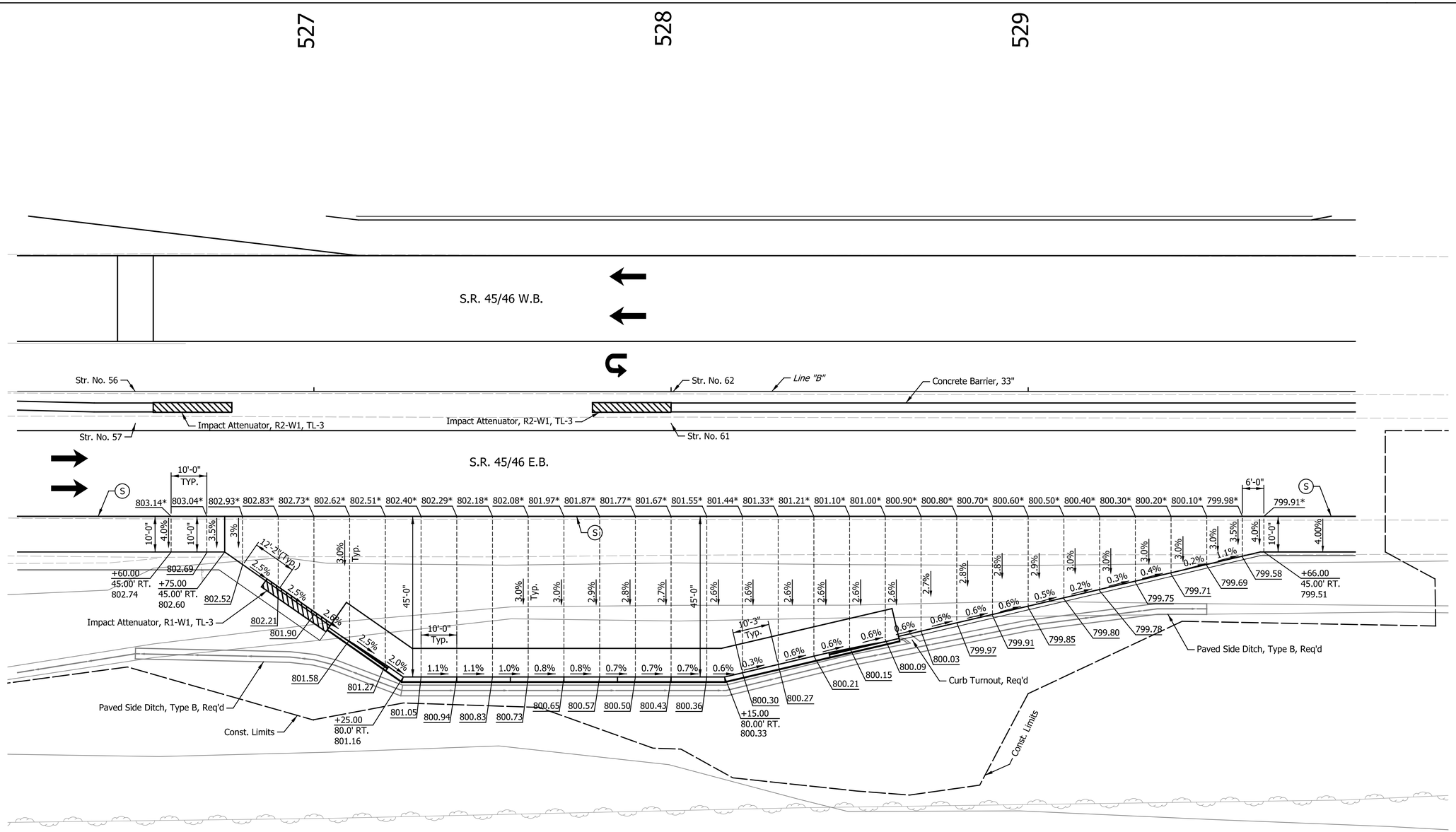
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAILS
RAMP GORE

HORIZONTAL SCALE	BRIDGE FILE
1" = 15'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	41 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:37 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.01.dgn



NOTES:
All Elevations Shown at Edge of Pavement
Unless Otherwise Noted.

LEGEND
(S) Sawcut (Not a pay item)

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

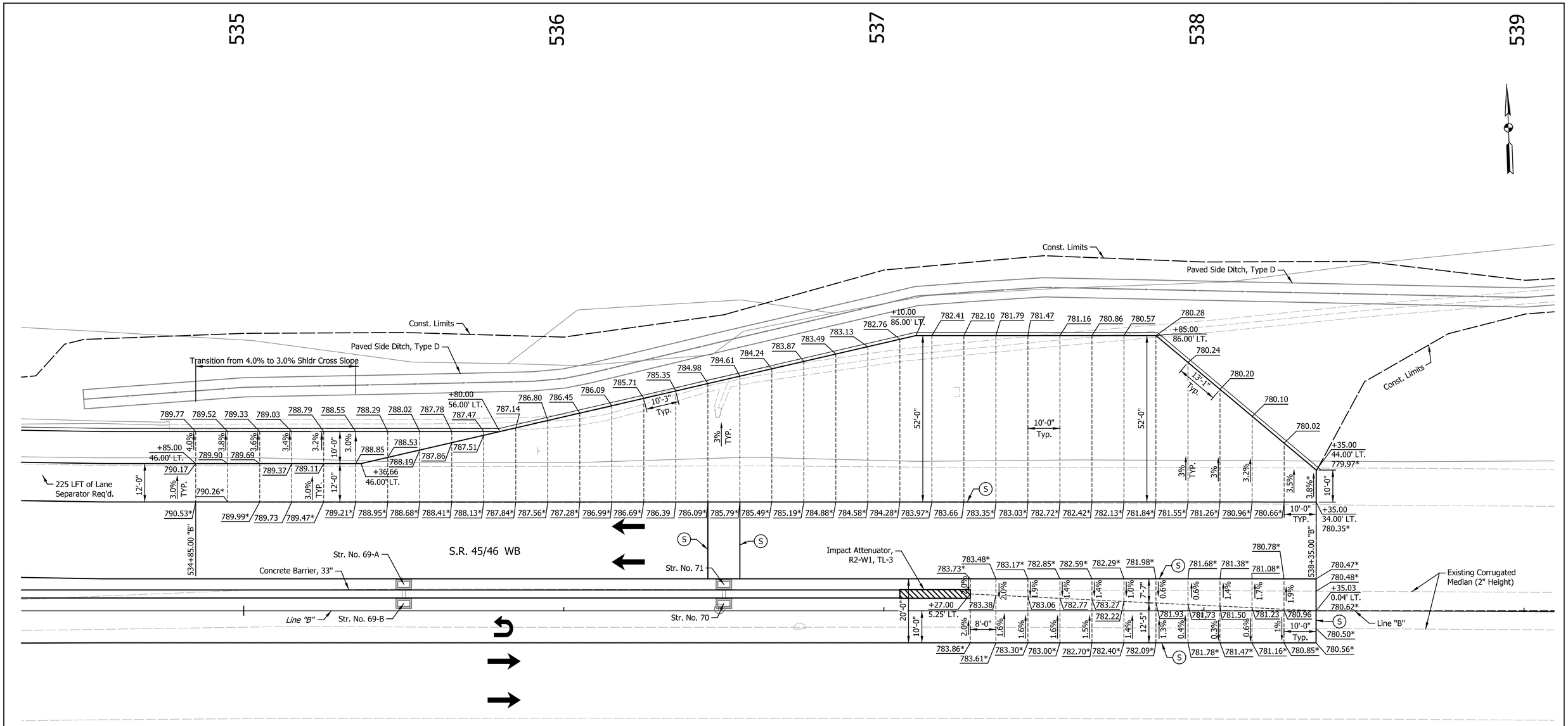
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAILS
EASTBOUND U-TURN LOON

HORIZONTAL SCALE	BRIDGE FILE
1" = 15'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	42 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:37 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.02.dgn



NOTES:
All Elevations Shown at Edge of Pavement Unless Otherwise Noted.

LEGEND
(S) Sawcut (Not a pay item)

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

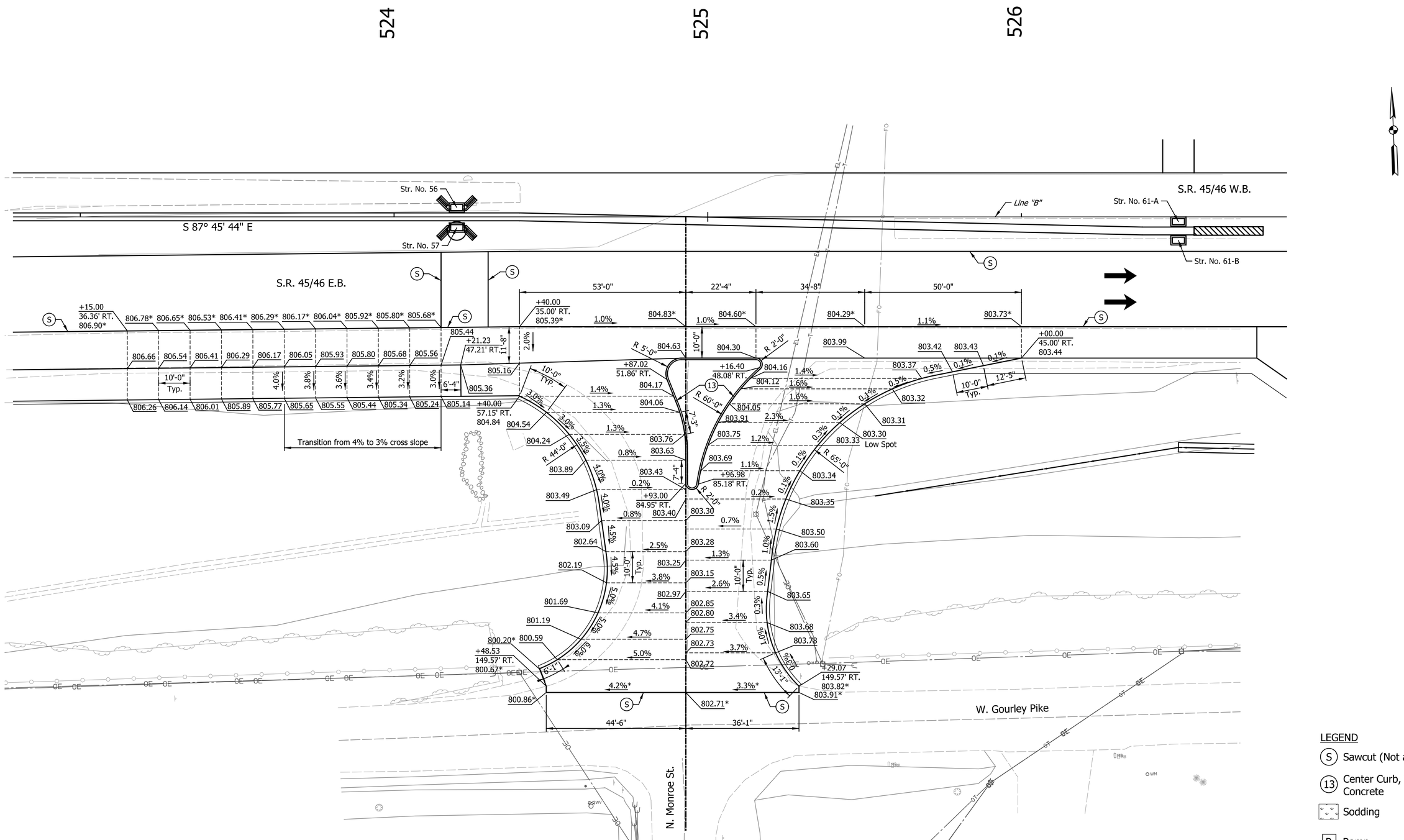
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAILS
WESTBOUND U-TURN LOON

HORIZONTAL SCALE	BRIDGE FILE
1" = 15'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	43 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:38 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.03.dgn



LEGEND

- (S) Sawcut (Not a pay item)
- (13) Center Curb, Type D, Concrete
- Sodding
- (R) Ramp
- Detectable Warning Surface
- * Match Existing

NOTES:
All Elevations Shown at Edge of Pavement Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

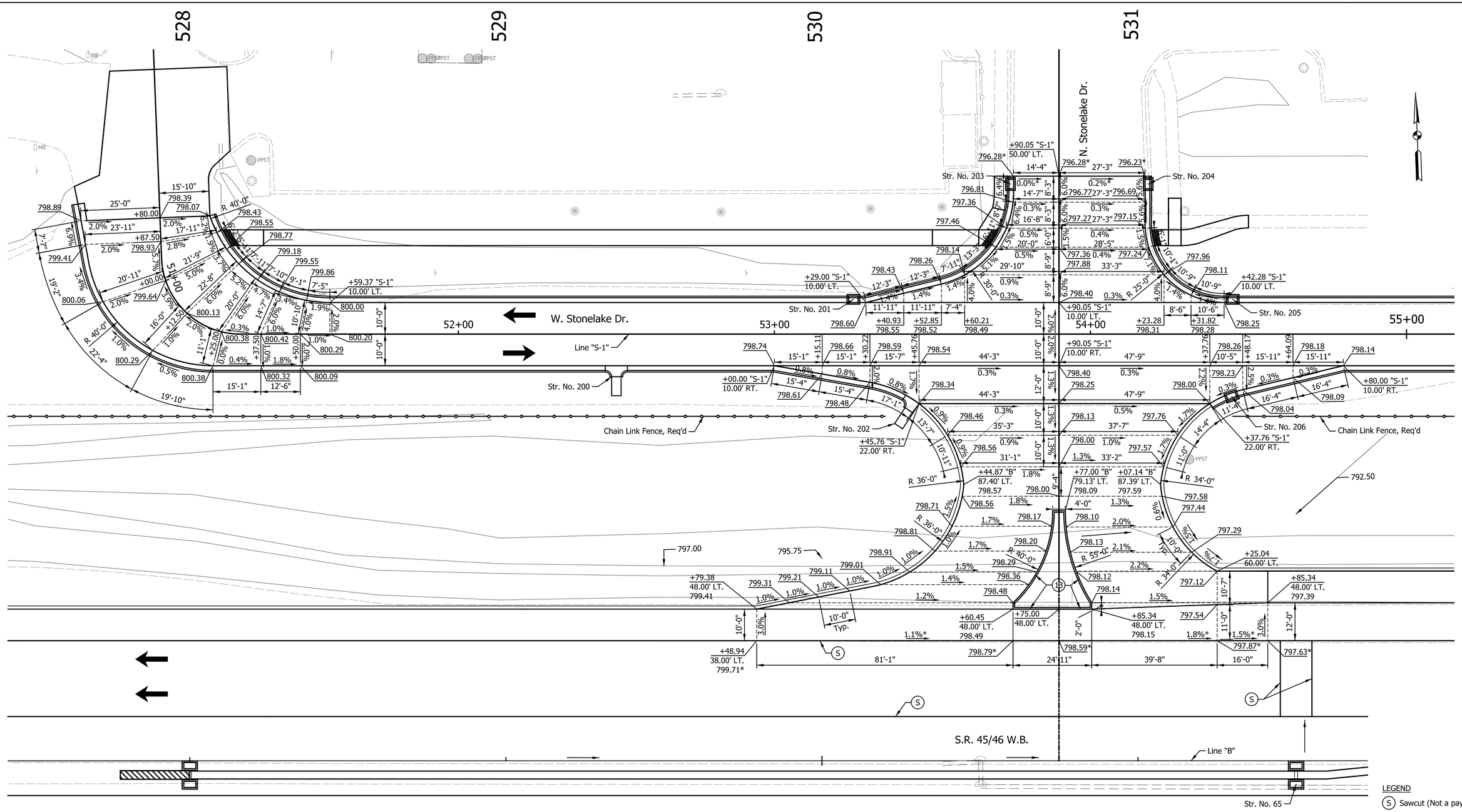
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAILS
N. MONROE ST.

HORIZONTAL SCALE	BRIDGE FILE
1" = 15'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	44 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot_altcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:38 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.04.dgn



NOTES:
All Elevations Shown at Edge of Pavement Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION DETAILS
STONELAKE DR.

HORIZONTAL SCALE	BRIDGE FILE
1" = 15'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	45 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Sheet.tbl

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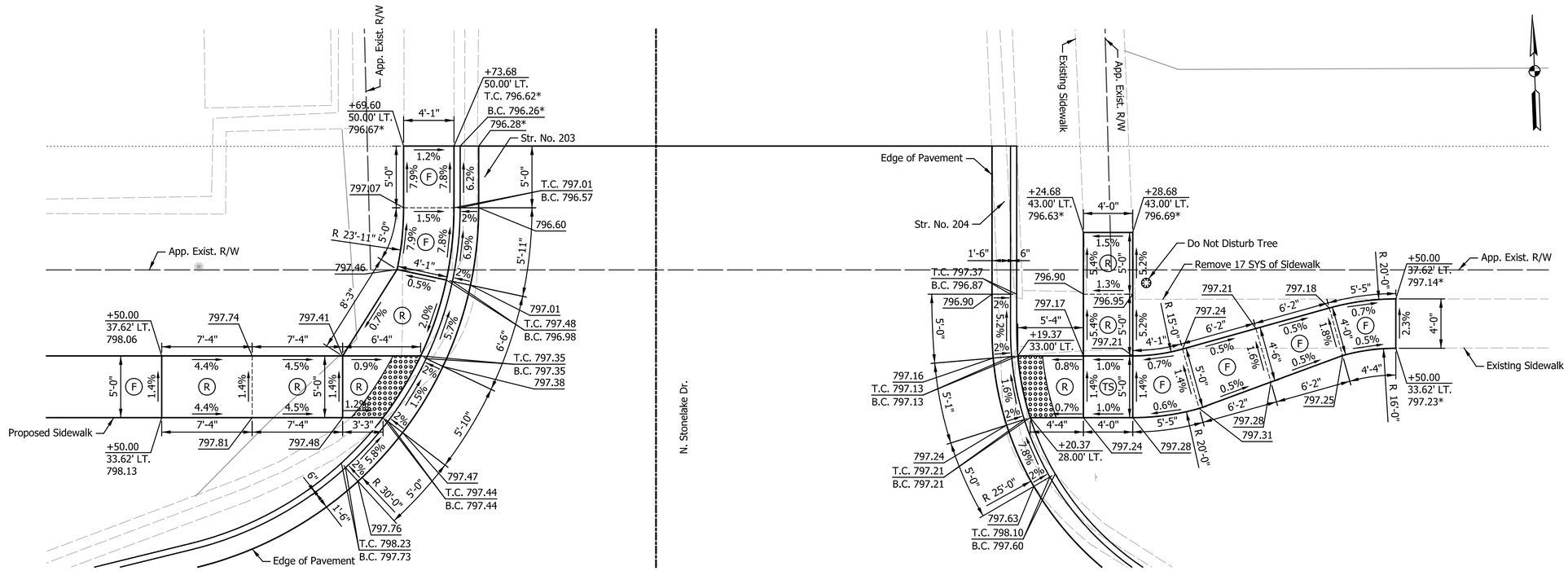
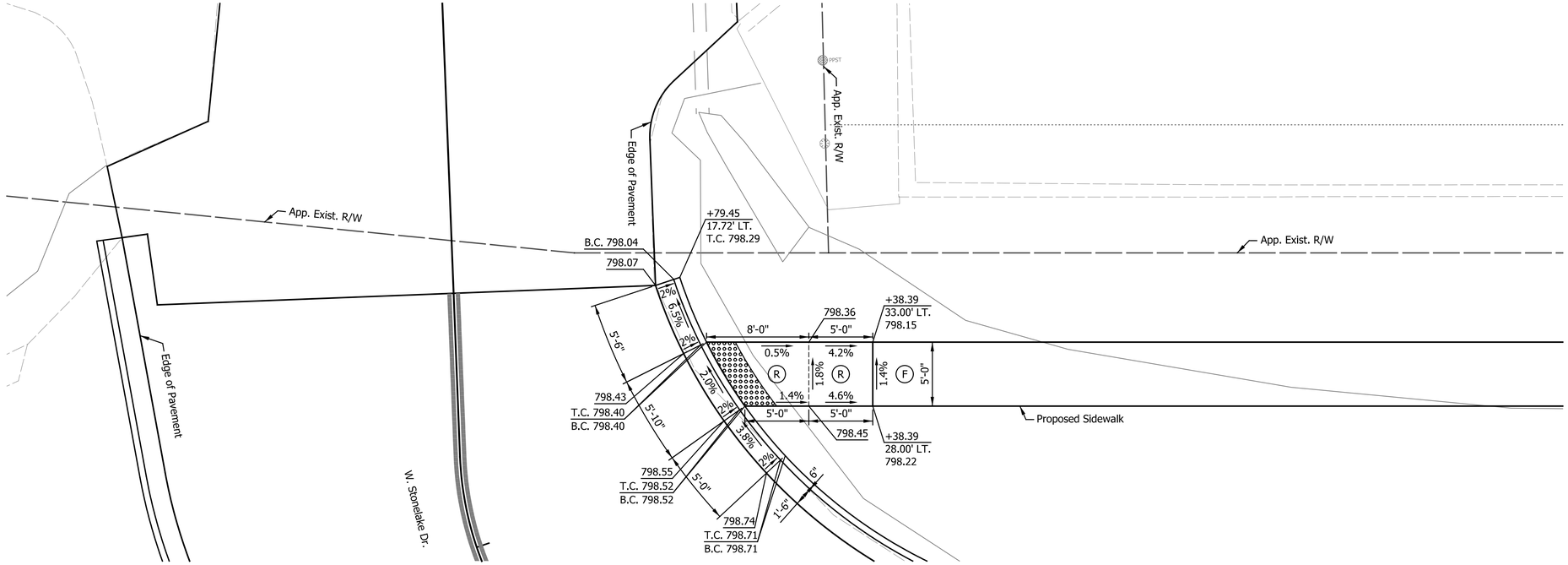




LOCATION MAP
Scale 1" = 400'

Notes:

1. Curb Ramps Designed Per Standard Drawing Series E 604-SWCR

2. Cross Slopes Shall Not Exceed 2.0%

3. If field conditions differ from topographic information shown on the plans, the contractor shall consult the design engineer and make necessary field adjustments to comply with ADA standards.

LEGEND

- (S) Sawcut (Not a pay item)
- (13) Center Curb, Type D, Concrete
- Sodding
- (R) Ramp
- Detectable Warning Surface
- * Match Existing

NOTES:
All Elevations Shown at Edge of Sidewalk
Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

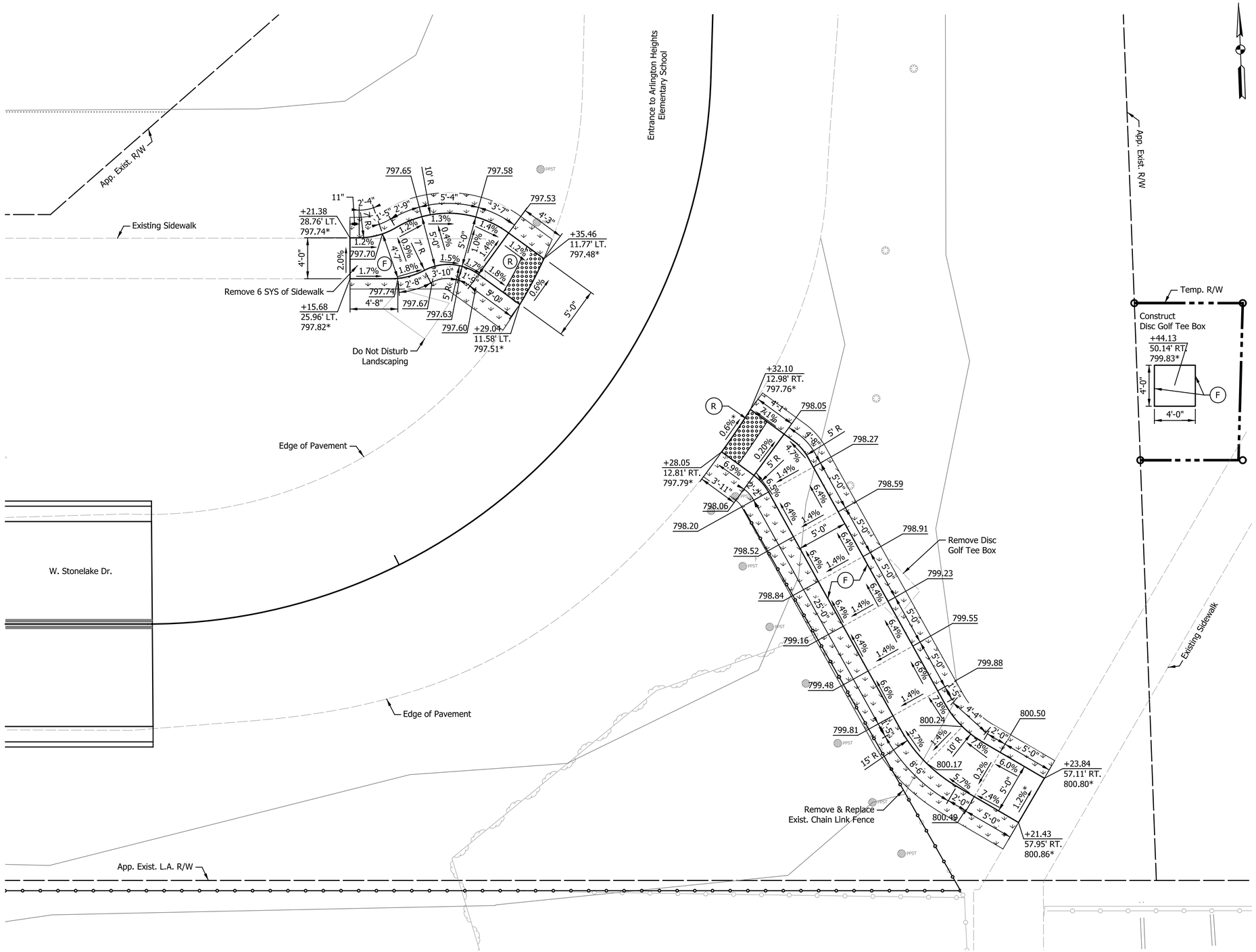
INDIANA
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONNECTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	46 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pelf_pltctg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:40 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.06a.dgn



LOCATION MAP

Scale 1" = 400'

Notes:

1. New Disc Golf Tee Box Shall be Constructed Prior to Removal of Existing Tee Box. New Tee Box Shall be Constructed and Available to Use within 3 Days.

2. Curb Ramps Designed Per Standard Drawing Series E 604-SWCR

3. Cross Slopes Shall Not Exceed 2.0%

4. If field conditions differ from topographic information shown on the plans, the contractor shall consult the design engineer and make necessary field adjustments to comply with ADA standards.

LEGEND

- (S) Sawcut (Not a pay item)
- (13) Center Curb, Type D, Concrete
- Sodding
- (R) Ramp
- Detectable Warning Surface
- * Match Existing

NOTES:
All Elevations Shown at Edge of Sidewalk Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

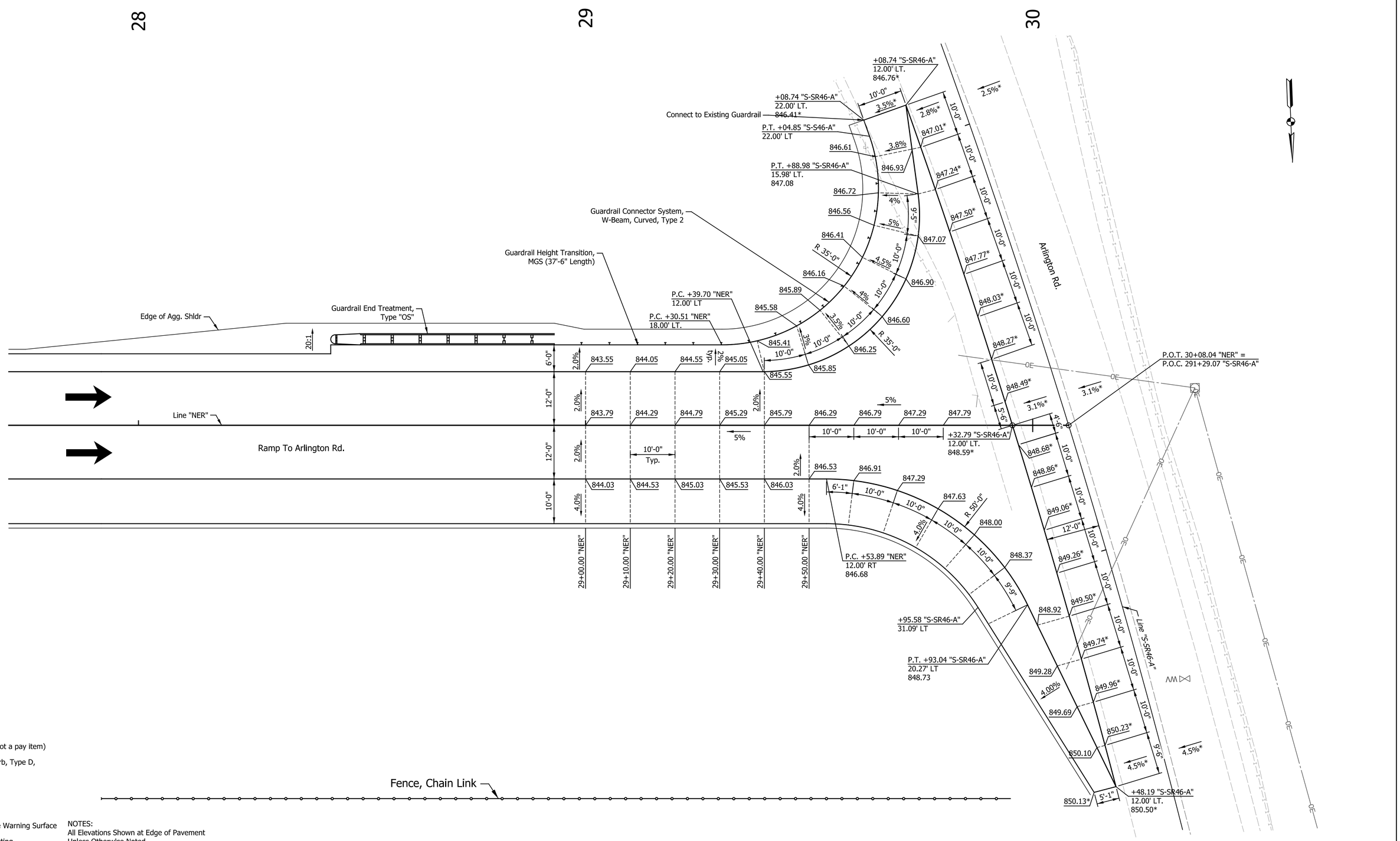
INDIANA
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONNECTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	47 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:41 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.06.dgn



LEGEND

- (S) Sawcut (Not a pay item)
- (13) Center Curb, Type D, Concrete
- Sodding
- (R) Ramp
- Detectable Warning Surface
- * Match Existing

NOTES:
All Elevations Shown at Edge of Pavement
Unless Otherwise Noted.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

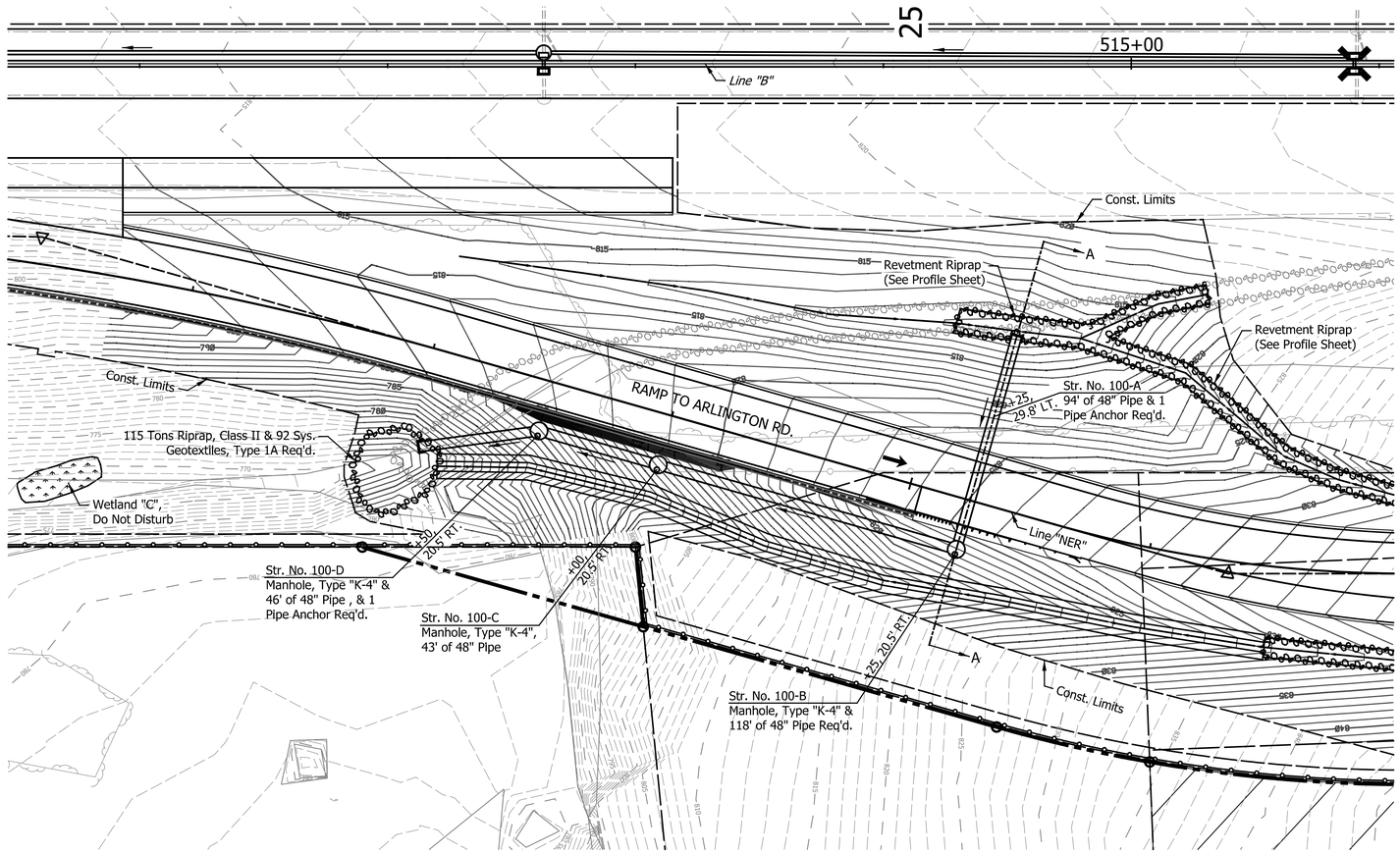
INDIANA
DEPARTMENT OF TRANSPORTATION

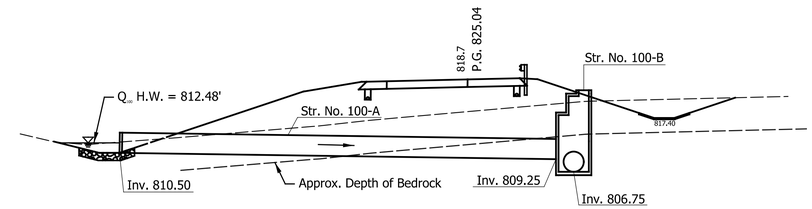
SPOT ELEVATION DETAILS
ARLINGTON RD.

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	48 of 131
CONTRACT	PROJECT
R-42426	1700198

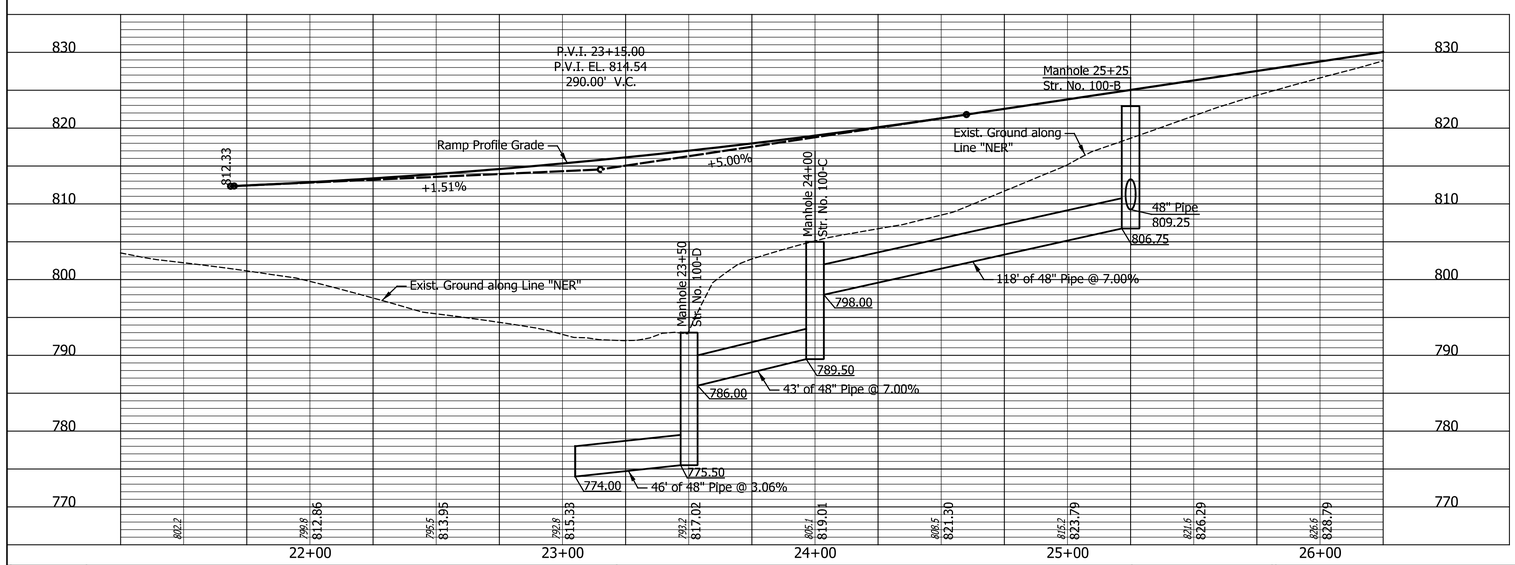
Indy-dot.sltctg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:41 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.DS.07.dgn





SECTION A-A: Sta. 25+25.00 "NER"
(Scale: 1" = 15'-0")



HYDRAULIC DATA TABLE			
ITEM	UNIT	PROPOSAL-1 SMOOTH PIPES	PROPOSAL-2 CORRUGATED PIPES
DRAINAGE AREA	ACRES	2.70	2.70
Q_{100} BACKWATER	FT	1.39	1.39
Q_{100} DISCHARGE	CFS	20.8	20.8
Q_{100} ELEVATION	FT	812.48	812.48
Q_{100} OUTLET VELOCITY	FT/S	10.86	7.85
WATERWAY AREA BELOW Q_{100} ELEV.	SFT	1725	1725
LOW STRUCTURE ELEVATION	FT	774.00	774.00
ROADWAY OVERFLOW	SFT	N/A	N/A

NOTES:
All Stationing Described from Line "NER"
Except as Shown.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

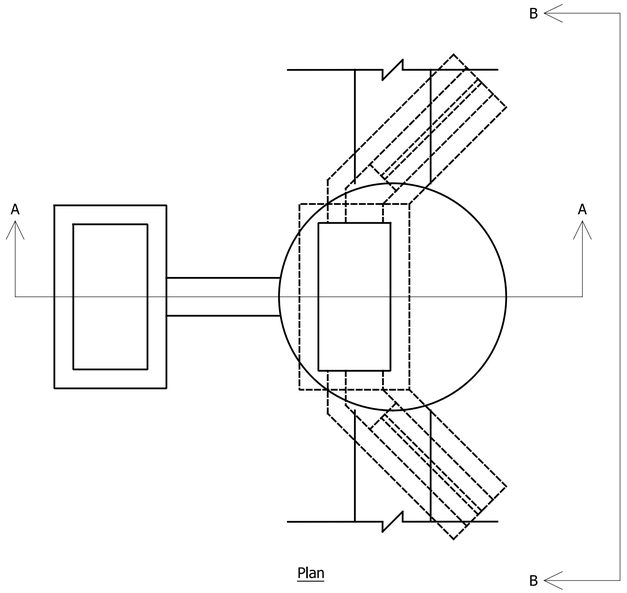
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LINE "NER" STORM SEWER DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	49 of 131
CONTRACT	PROJECT
R-42426	1700198

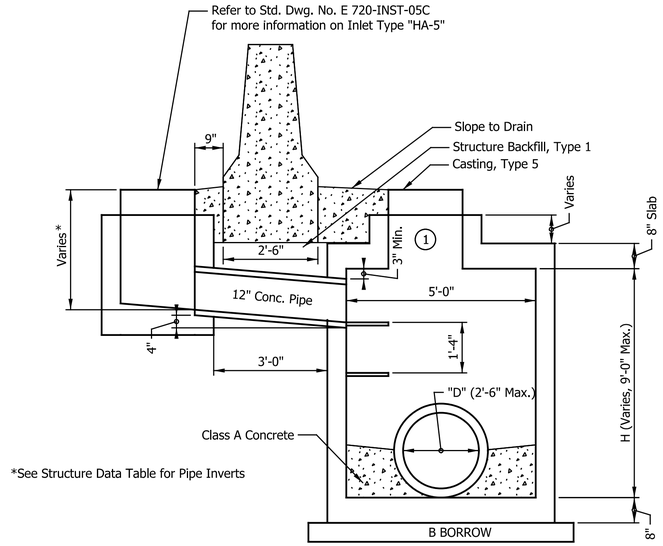
Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:42 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.GPL.02.dgn



Plan

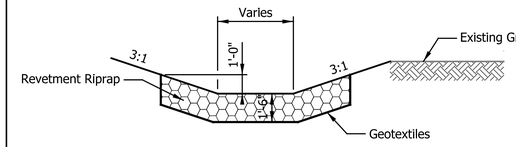
Modified Manhole, Type "J-5"



Section A-A

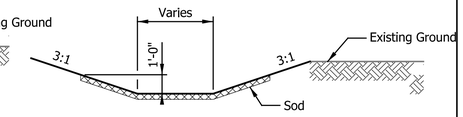
Modified Manhole, Type "J-5"

For Use When H < 7'-8"



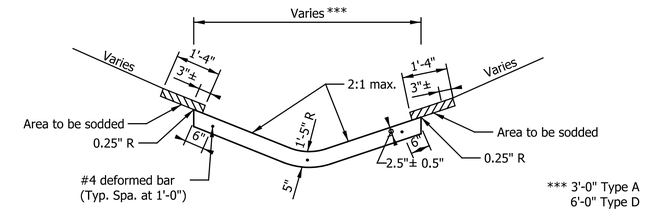
Typical Riprap Ditch Detail

N.T.S.



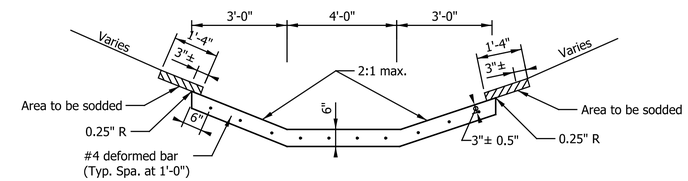
Typical Sodded Ditch Detail

N.T.S.



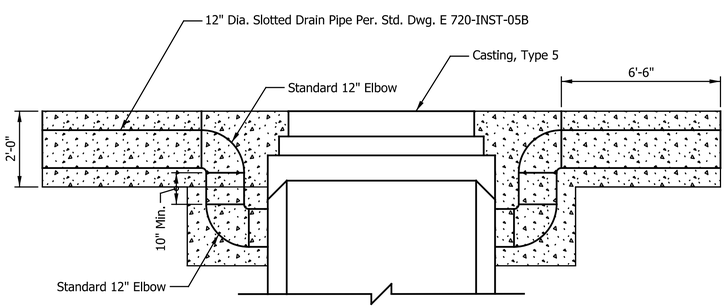
Typical Paved Side Ditch Detail, Type A or D

N.T.S.



Typical Paved Side Ditch Detail, Type H

N.T.S.



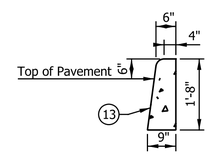
Section B-B

Modified Manhole, Type "J-5"

Slotted Drain Wing Connection

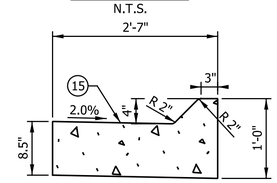
N.T.S.

(1) Standard Drawing E 720-MHST-06, Detail A, Modified To Have An Opening Of 22.5"x45.0" Positioned on Slab Offset to Structure Wall.



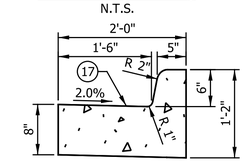
Curb Concrete

N.T.S.



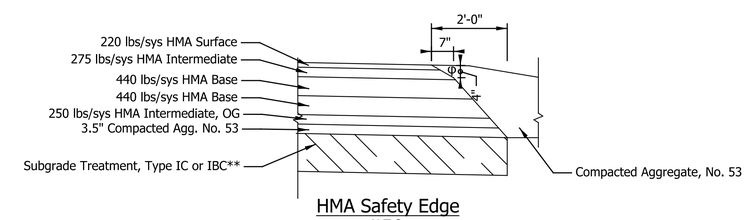
Curb and Gutter, Concrete, Type B Modified. (4" Curb)

N.T.S.



Curb and Gutter, Concrete

N.T.S.



HMA Safety Edge

N.T.S.

φ = 30°

** Refer to Typical Sections

NOTE: N.T.S. Denotes Not To Scale

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

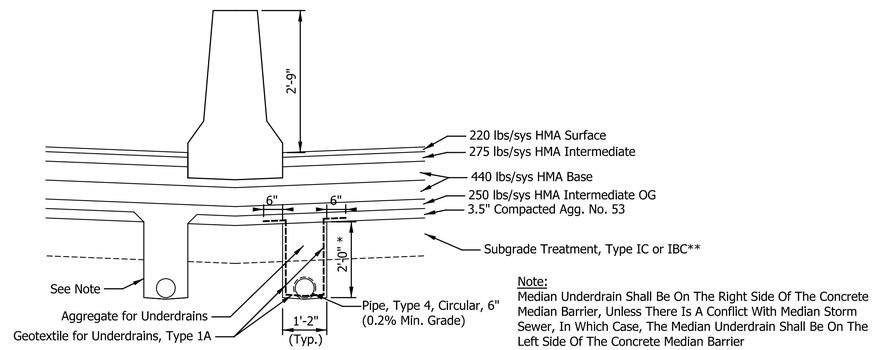
INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	50 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfg
Indiana_Sheet.tbl

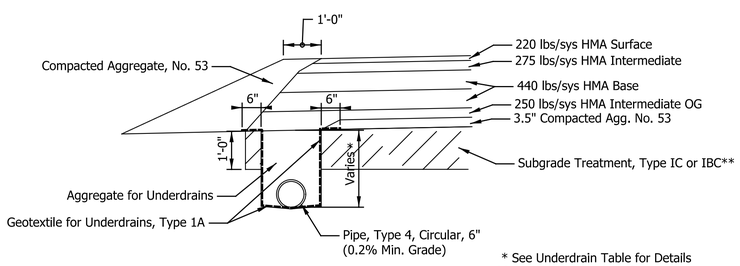
Lmichalke 8/30/2023 2:44:43 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.MD.01.dgn



Note:
Median Underdrain Shall Be On The Right Side Of The Concrete Median Barrier, Unless There Is A Conflict With Median Storm Sewer, In Which Case, The Median Underdrain Shall Be On The Left Side Of The Concrete Median Barrier

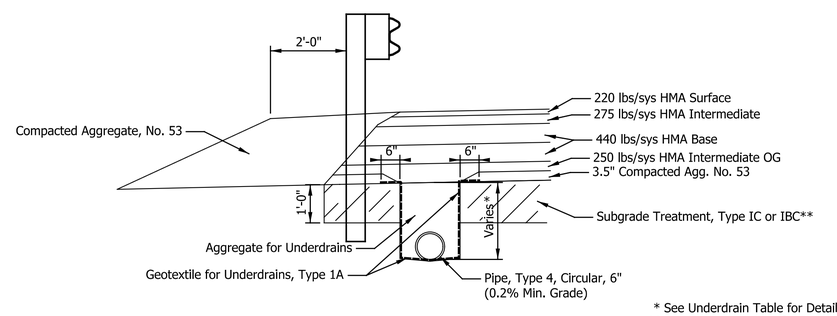
* See Underdrain Table for Details
** See Typical Sections for Details

Ⓤ Underdrain for HMA Pavement with Full-Depth HMA Shldr and Concrete Median Barrier
N.T.S.



* See Underdrain Table for Details
** See Typical Sections for Details

Ⓤ Underdrain for HMA Pavement with Full-Depth HMA Shldr
N.T.S.



* See Underdrain Table for Details
** See Typical Sections for Details

Ⓤ Underdrain for HMA Pavement with Full-Depth HMA Shldr and Roadside Barrier
N.T.S.

DATE	REVISION

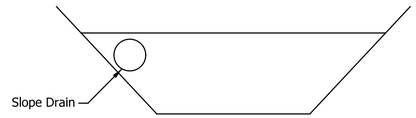
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

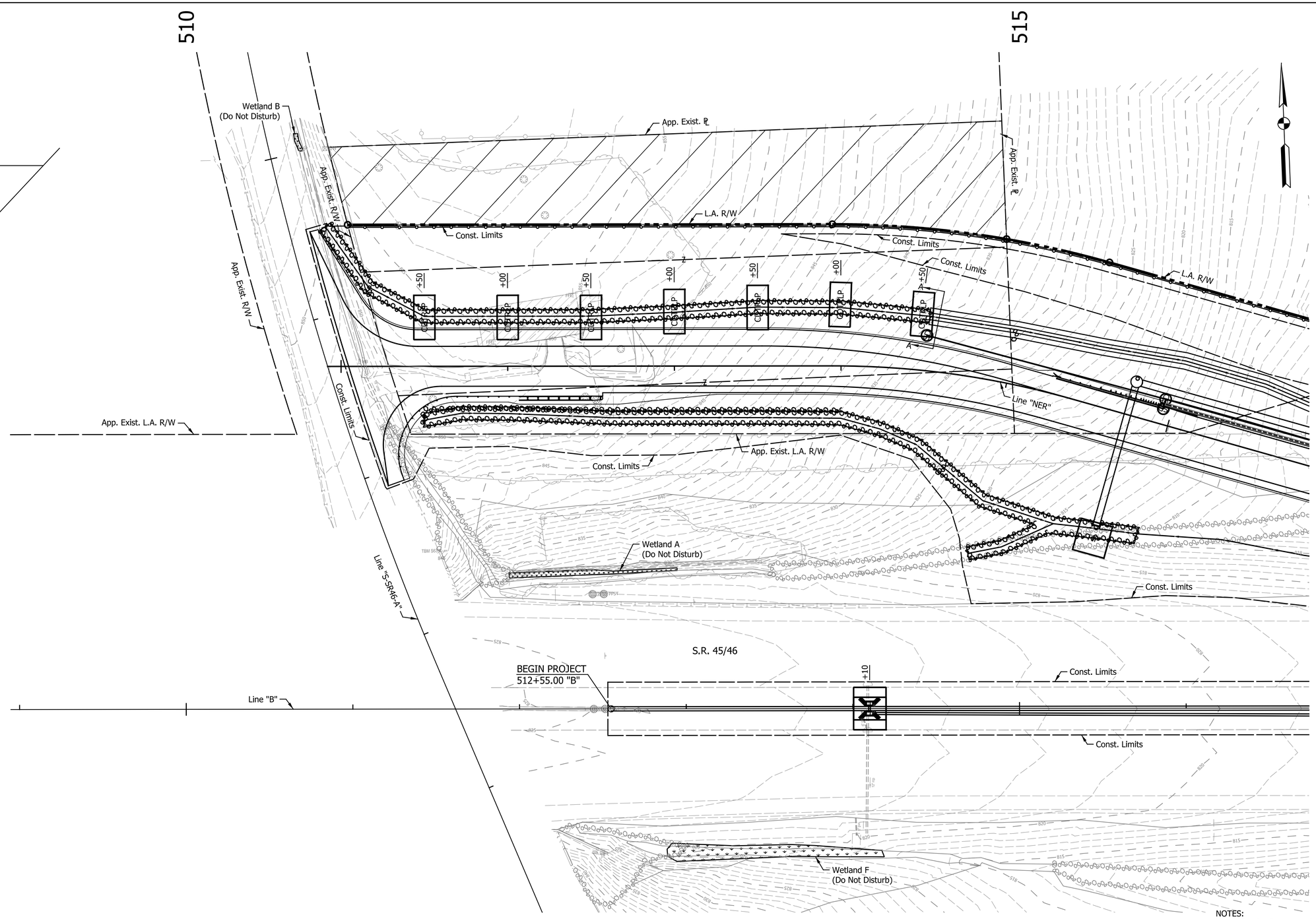
INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	51 of 131
CONTRACT	PROJECT
R-42426	1700198



Section A-A
Not to Scale



NOTES:
Line "B" to be Constructed.

All Stationing Described from Line "B"
Except as Shown.

DATE	REVISION

LEGEND

- CDRR — Check Dam Riprap
- TIP — Temp. Inlet Protection
- SF — Temporary Silt Fence
- SP — Temporary Slope Drain
- CDTRLP — Check Dam Riprap Traversible, Low Profile
- Erosion Control Blanket

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PLAN
LINE "B" & LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	52 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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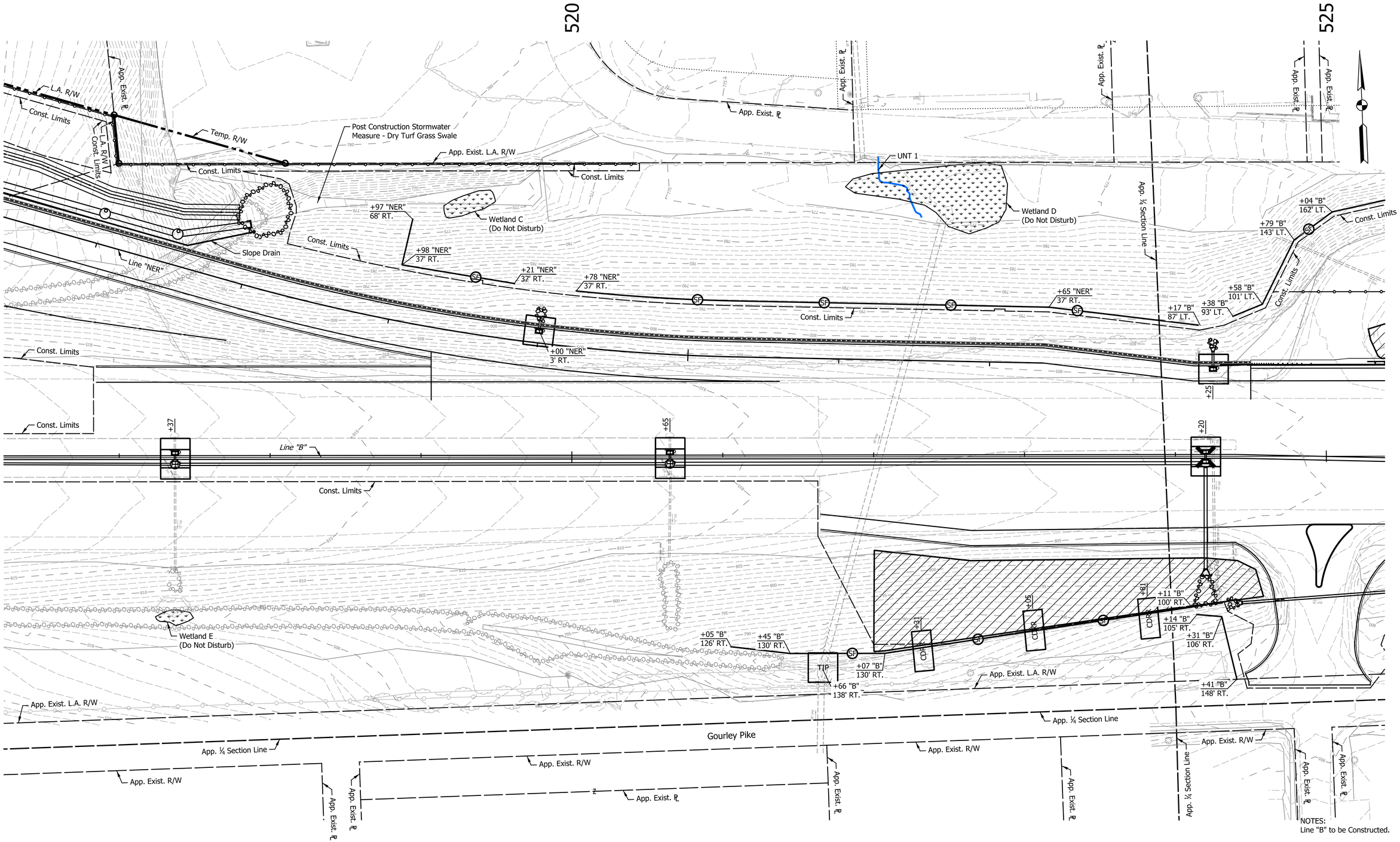


NOTES:
Line "B" to be Constructed.

All Stationing Described from Line "B"
Except as Shown.

DATE	REVISION

LEGEND

- CDRR — Check Dam Riprap
- TIP — Temp. Inlet Protection
- SF — Temporary Silt Fence
- SP — Temporary Slope Drain
- CDTRLP — Check Dam Riprap Traversible, Low Profile
- Erosion Control Blanket

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PLAN
LINE "B" & LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	53 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:45 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.EC.02.dgn

NOTES:
Line "B" to be Constructed.

All Stationing Described from Line "B" Except as Shown.

DATE	REVISION

LEGEND

- CDRR — Check Dam Riprap
- TIP — Temp. Inlet Protection
- SF — Temporary Silt Fence
- SD — Temporary Slope Drain
- CDTRLP — Check Dam Riprap Traversable, Low Profile
- Erosion Control Blanket

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE

DESIGNED: SRS — DRAWN: MCC
CHECKED: JPS — CHECKED: JPS

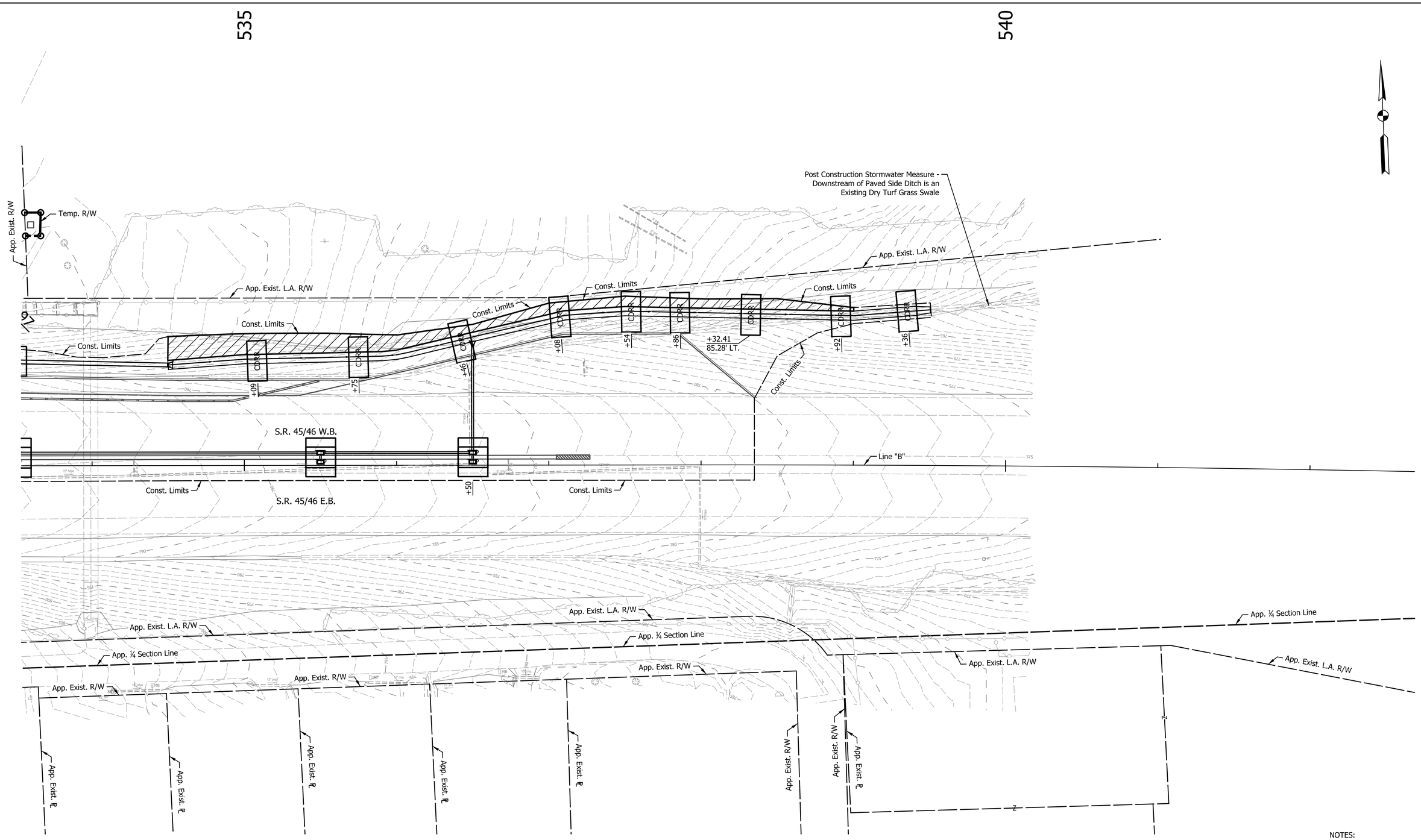
INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PLAN
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	54 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:45 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.EC.03.dgn



NOTES:
Line "B" to be Constructed.

All Stationing Described from Line "B" Except as Shown.

DATE	REVISION

LEGEND

- CDRR — Check Dam Riprap
- TIP — Temp. Inlet Protection
- SF — Temporary Silt Fence
- SD — Temporary Slope Drain
- CDTRLP — Check Dam Riprap Traversible, Low Profile
- Erosion Control Blanket

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PLAN
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	55 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:44:46 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.EC.04.dgn

EROSION CONTROL TABLE

STATION	LOCATION			PERIMETER PROTECTION	EROSION CONTROL BLANKET	SLOPE DRAIN	CHECK DAM RIPRAP	CHECK DAM TRAVERSABLE, LOW PROFILE	INLET PROTECTION	REMARKS
	LEFT	MEDIAN	RIGHT	LFT	SYS	LFT	TON	LFT	EACH	
Line "B"										
514+10	X		X						2	
517+37	X		X						2	
520+02 to 524+17	X			423						
520+65	X		X						2	
521+05 to 524+11			X	308						
521+66			X						1	
522+00 to 524+58			X		1231					
522+31			X				10			
523+05			X				10			
523+81			X				10			
524+14 to 524+41			X	60						
524+20	X		X						2	
524+25	X								1	
524+38 to 527+60	X			360						
525+28 to 526+40	X				305					
525+56			X						1	
525+92	X								1	
526+43			X				10			
527+60 to 529+43			X		431					
528+00	X		X						2	
529+56			X					27		

EROSION CONTROL TABLE

STATION	LOCATION			PERIMETER PROTECTION	EROSION CONTROL BLANKET	SLOPE DRAIN	CHECK DAM RIPRAP	CHECK DAM TRAVERSABLE, LOW PROFILE	INLET PROTECTION	REMARKS
	LEFT	MEDIAN	RIGHT	LFT	SYS	LFT	TON	LFT	EACH	
530+18	X								1	
531+50	X		X						2	
532+50	X							27		
533+14 to 533+40	X			49						
533+22 to 533+50	X			48						
533+48	X								1	
533+50	X		X						2	
534+50 to 539+00	X				435					
535+09	X						10			
535+50	X						2			
535+75	X						10			
536+41	X						10			
536+50	X		X						2	
537+07	X						10			
537+54	X						10			
537+86	X						10			
538+33	X						10			
538+91	X						10			
539+35	X						10			
Line "NER"										
21+00			X						1	

EROSION CONTROL TABLE

STATION	LOCATION			PERIMETER PROTECTION	EROSION CONTROL BLANKET	SLOPE DRAIN	CHECK DAM RIPRAP	CHECK DAM TRAVERSABLE, LOW PROFILE	INLET PROTECTION	REMARKS
	LEFT	MEDIAN	RIGHT	LFT	SYS	LFT	TON	LFT	EACH	
21+20 to 21+97			X	107						
23+01 to 26+50			X			639				
26+50 to 29+50			X					189		
25+25	X								1	
Line "S-1"										
50+59 to 53+59	X			243						
50+67	X								1	
52+50			X						1	
53+25	X								1	
53+43			X						1	
53+74	X								1	
54+18	X								1	
54+33 to 56+44	X			185						
54+45	X		X						2	
55+70	X		X						2	
Totals				**1783**	**2402**	**639**	**132**	**243**	**34**	

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

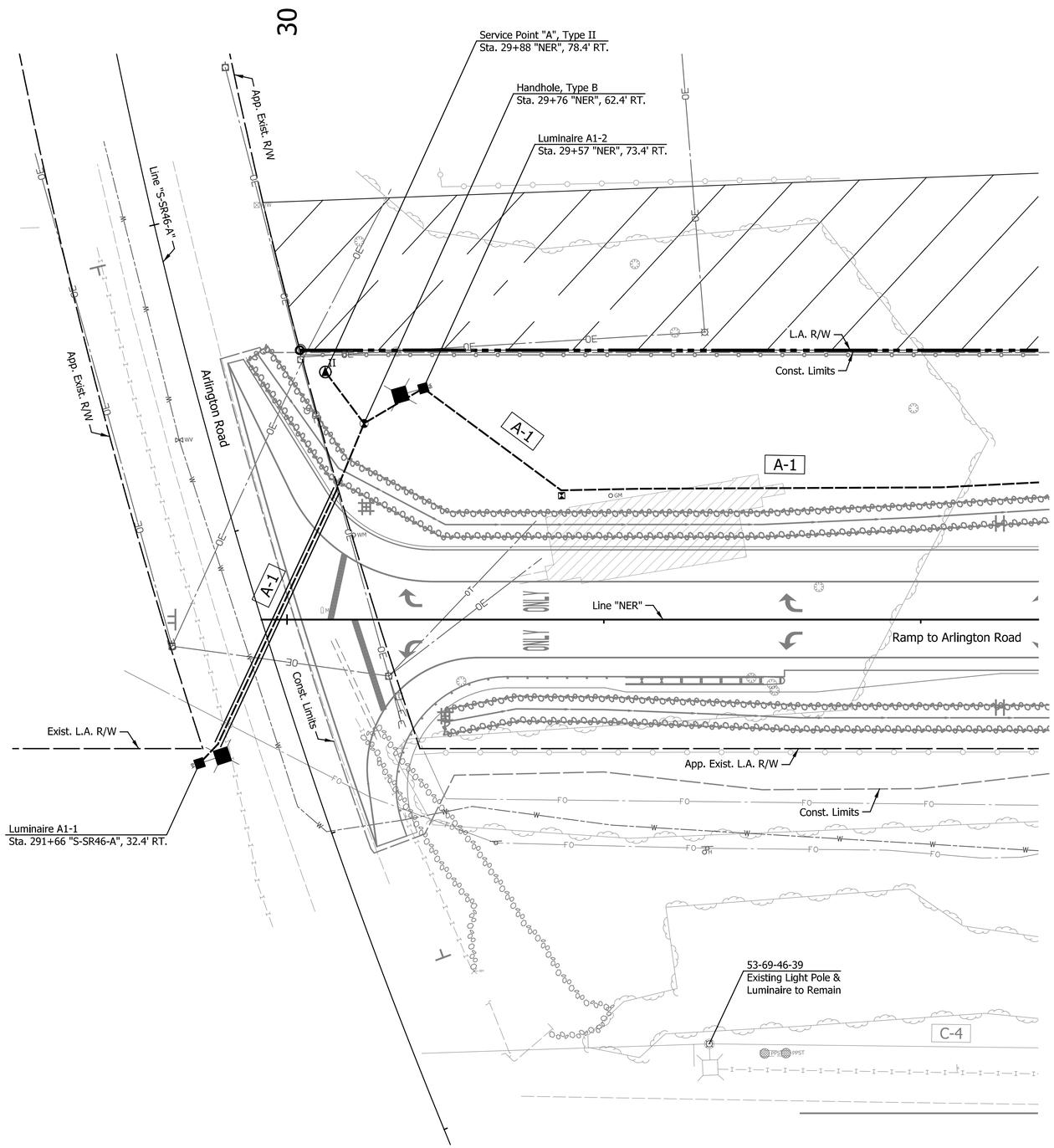
INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	56 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.cfltcfg
Indiana_Sheet.tbl

Lmichalke 8/30/2023 2:44:46 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.EC.05.dgn



LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:

All proposed asymmetric conventional lighting luminaires
are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ASI DRAWN: ASI

CHECKED: RMR CHECKED: MSS

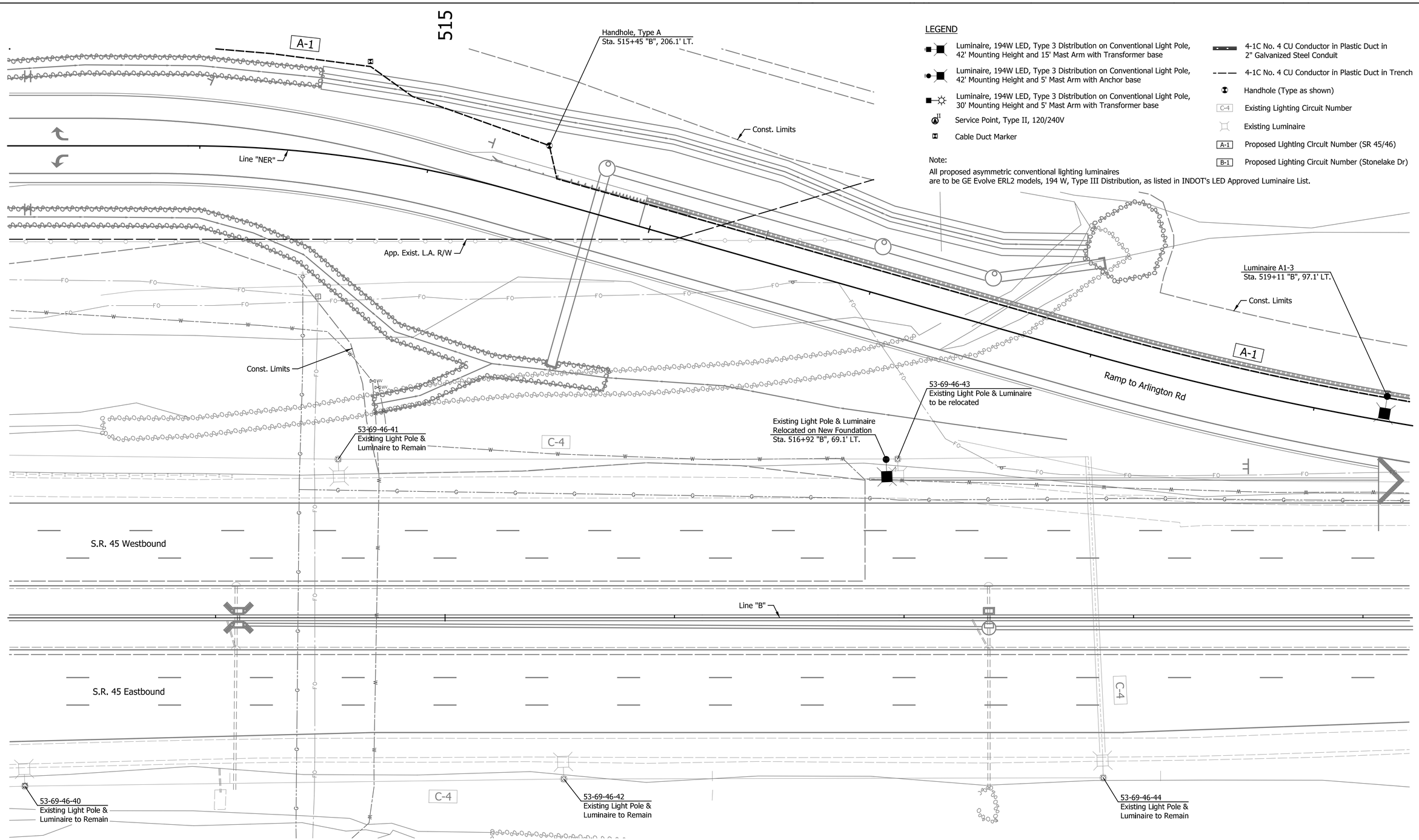
INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	57 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Ref.pltcfg
Indiana_Shad6.tbl

Lmichalke 8/30/2023 2:44:47 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.LT.01.dgn



LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:
All proposed asymmetric conventional lighting luminaires
are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ASI DRAWN: ASI

CHECKED: RMR CHECKED: MSS

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "NER" & "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	58 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-hdf.pltcfg
Indiana_Shade.tbl

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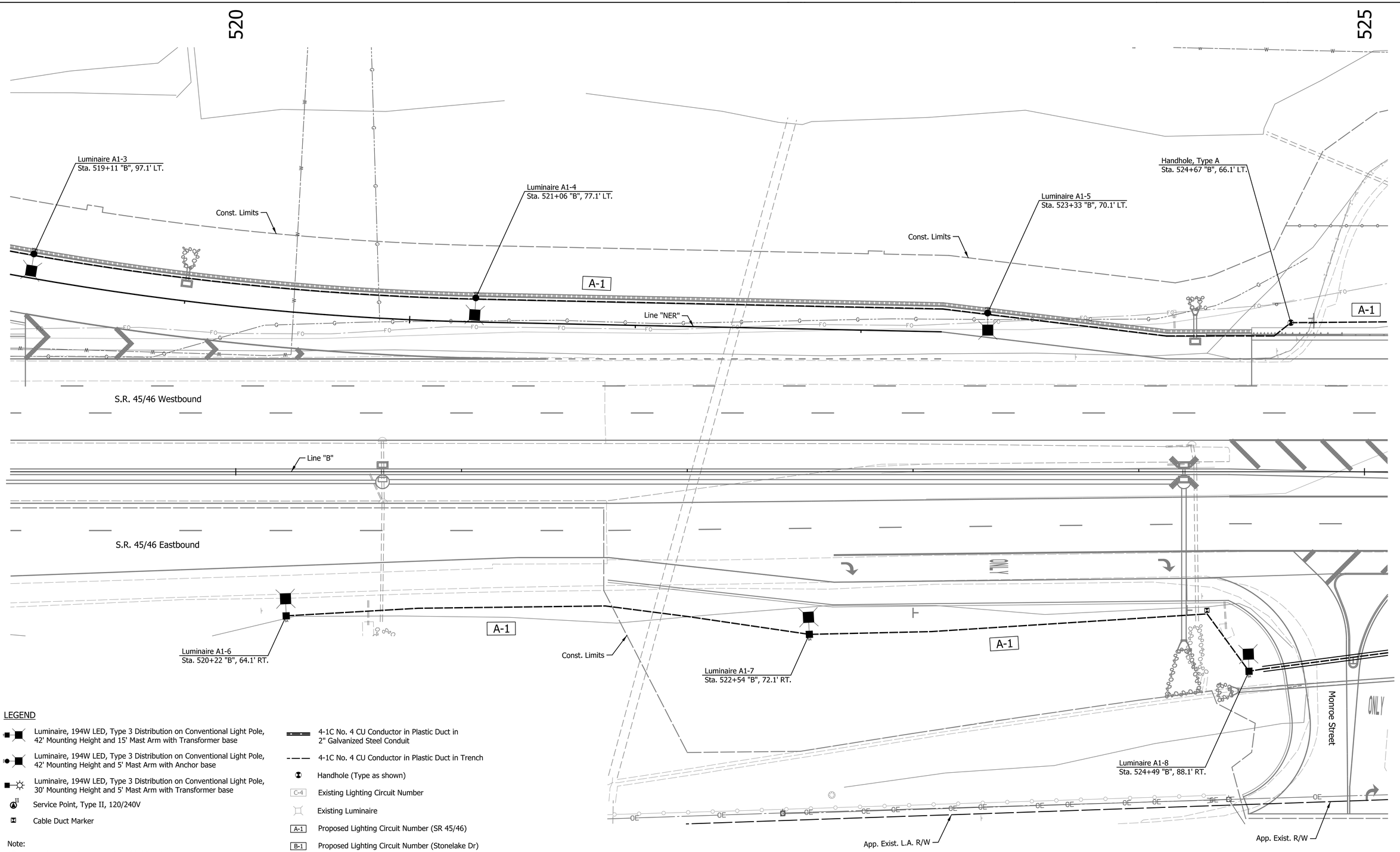

LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:
All proposed asymmetric conventional lighting luminaires are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ASI DRAWN: ASI
CHECKED: RMR CHECKED: MSS

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	59 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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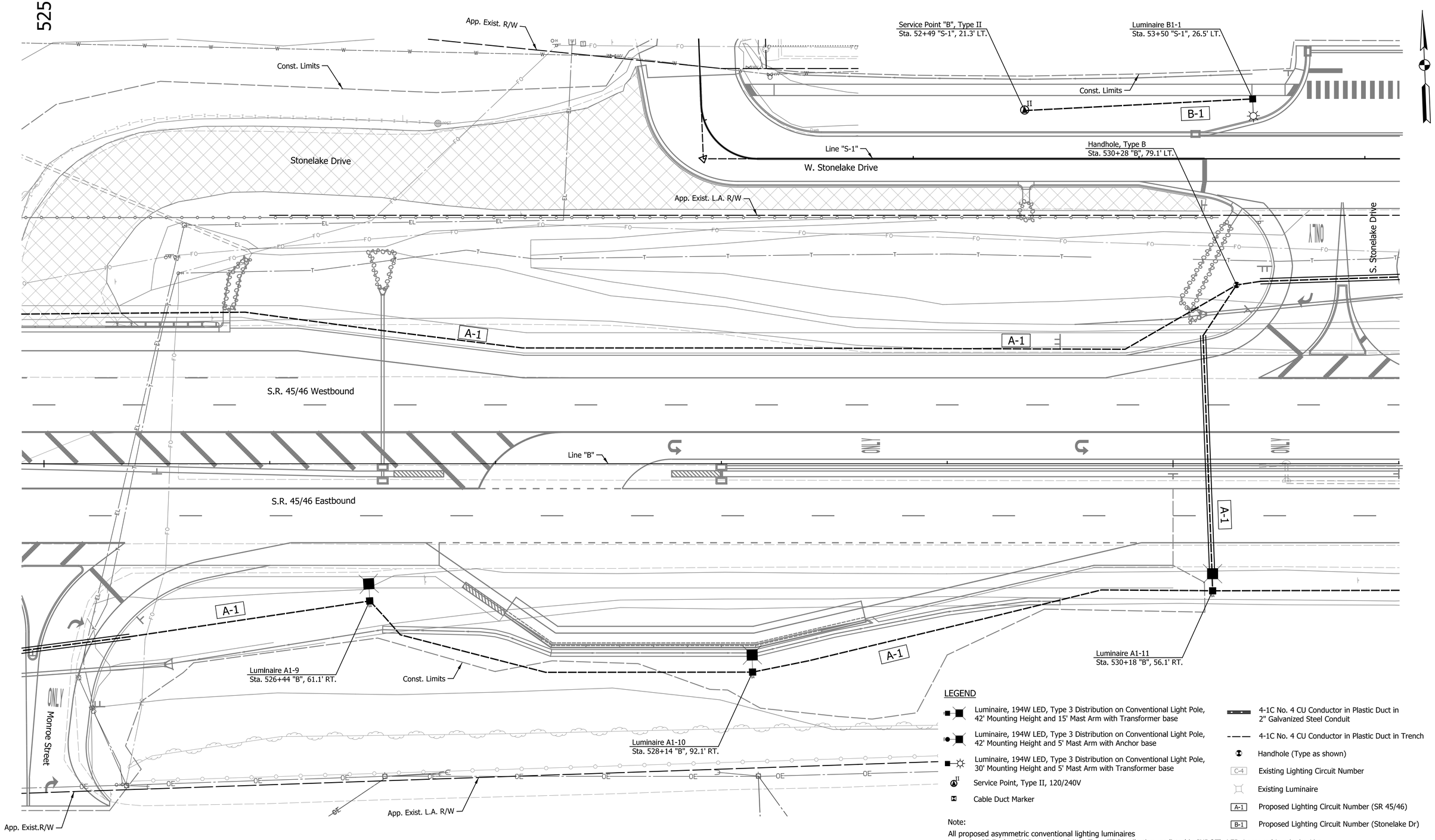


LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:
All proposed asymmetric conventional lighting luminaires are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

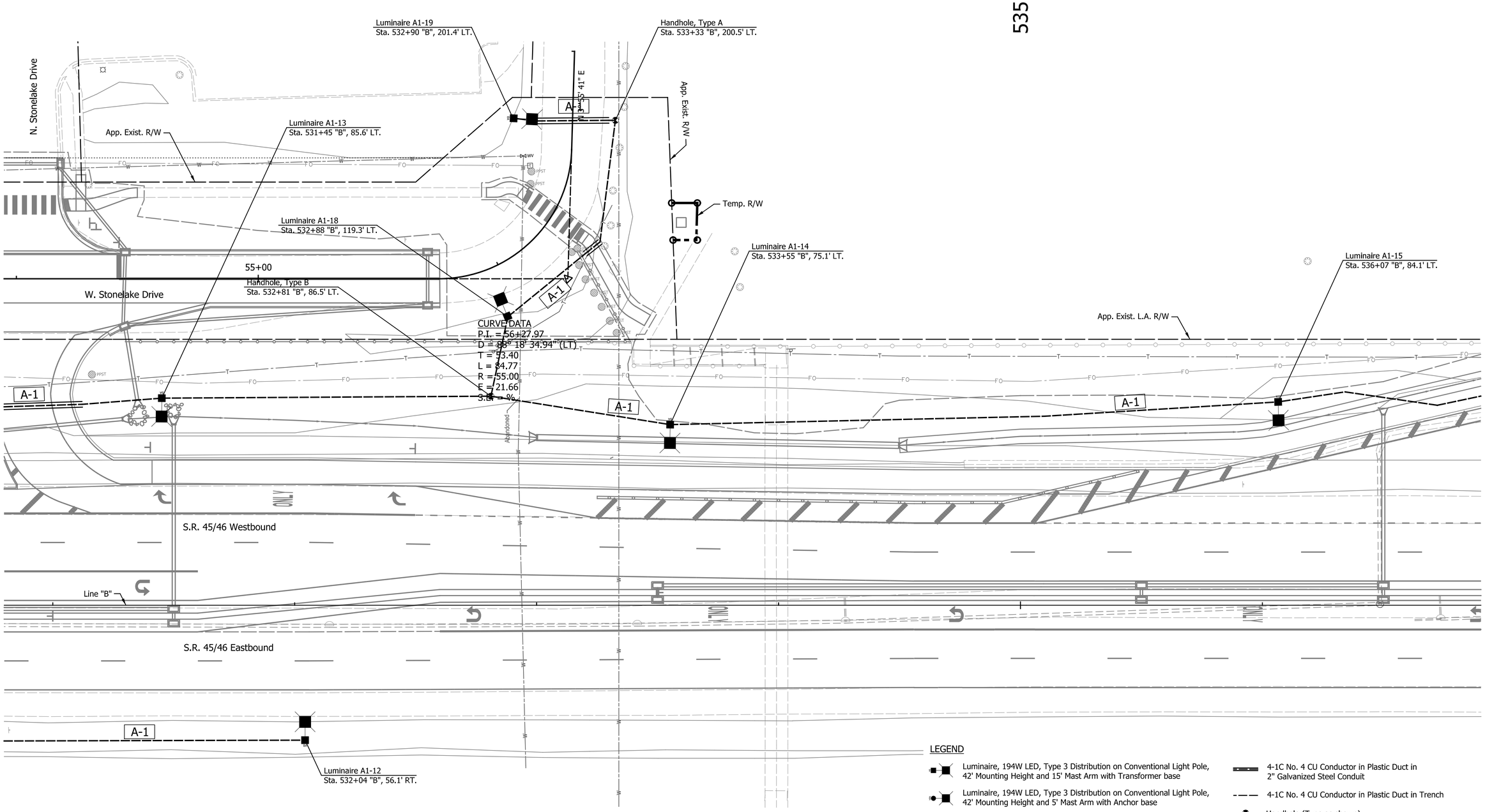
DESIGNED: ASI DRAWN: ASI

CHECKED: RMR CHECKED: MSS

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	60 of 131
CONTRACT	PROJECT
R-42426	1700198



LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:
All proposed asymmetric conventional lighting luminaires are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ASI DRAWN: ASI
CHECKED: RMR CHECKED: MSS

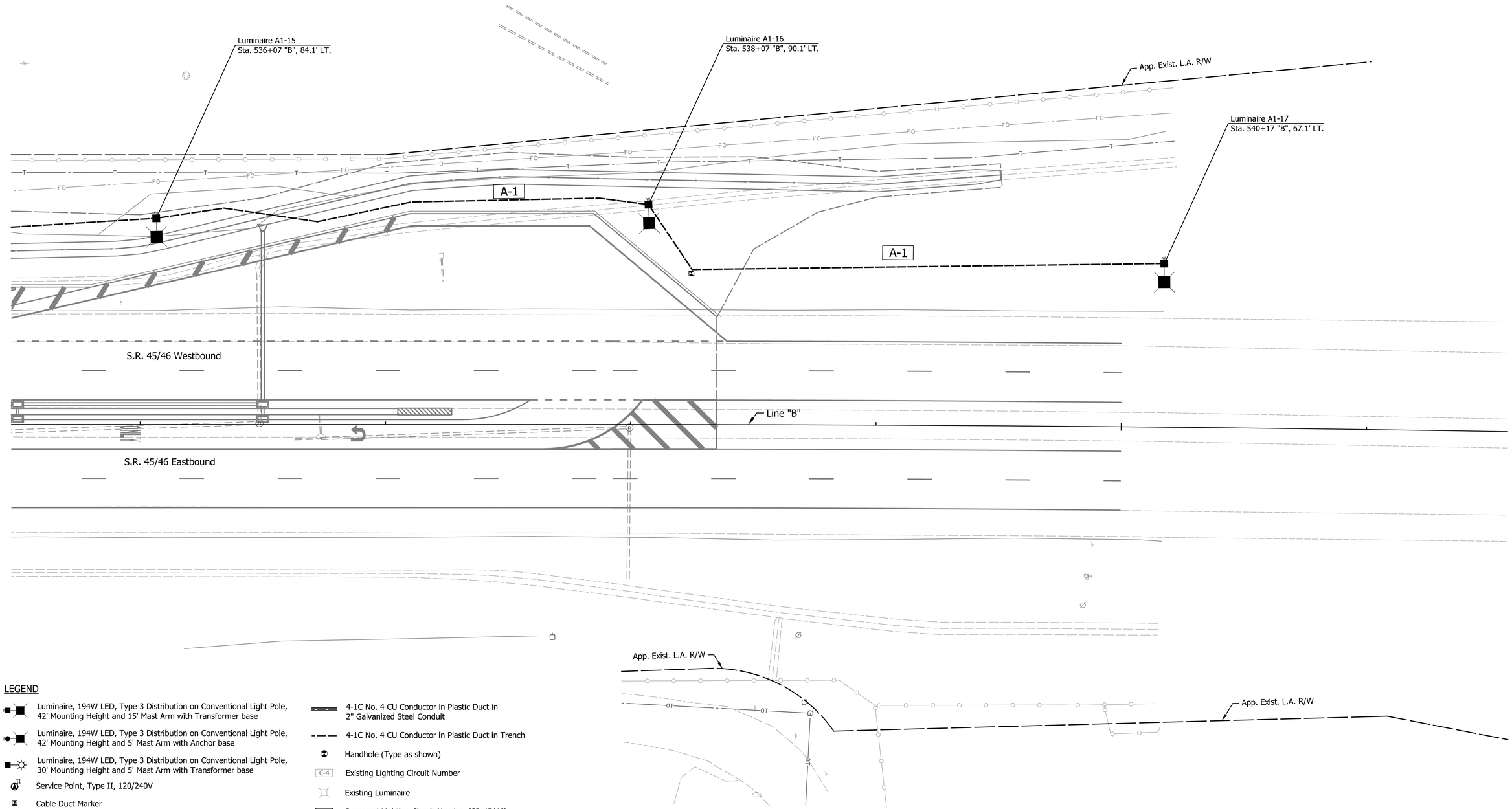
INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	61 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:45:48 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.LT.05.dgn



LEGEND

- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 15' Mast Arm with Transformer base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 42' Mounting Height and 5' Mast Arm with Anchor base
- Luminaire, 194W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 5' Mast Arm with Transformer base
- II Service Point, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Handhole (Type as shown)
- C-4 Existing Lighting Circuit Number
- Existing Luminaire
- A-1 Proposed Lighting Circuit Number (SR 45/46)
- B-1 Proposed Lighting Circuit Number (Stonelake Dr)

Note:
All proposed asymmetric conventional lighting luminaires are to be GE Evolve ERL2 models, 194 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: ASI DRAWN: ASI
CHECKED: RMR CHECKED: MSS

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	62 of 131
CONTRACT	PROJECT
R-42426	1700198

LIGHT POLE SCHEDULE, CIRCUIT A-1

LUMINAIRE NO	BRANCH CIRCUIT A-1	A1-1	A1-2	A1-3	A1-4	A1-5	A1-6	A1-7	A1-8	A1-9	A1-10	A1-11	A1-12	A1-13	A1-14	A1-15	A1-16	A1-17	A1-18	A1-19
*LUMINAIRE TYPE		LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W	LED - 194W
CIRCUIT CONNECTION		B	R	B	R	B	R	B	R	B	R	B	R	R	B	R	B	R	B	R
CONNECTION TYPE		Type 1	Type 2	Type 2	Type 2	Type 2	Type 1	Type 2	Type 2	Type 2	Type 2	Type 3	Type 1	Type 2	Type 2	Type 2	Type 2	Type 1	Type 2	Type 1
SET BACK FROM	EDGE OF PAVEMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LINE	"S-SR46-A"	"NER"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"	"B"
	RAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLE SETBACK (FT)		32.4' RT.	73.4' RT.	98.1' LT.	79.1' LT.	72.1' LT.	64.1' RT.	72.1' RT.	88.1' RT.	61.1' RT.	92.1' RT.	56.1' RT.	56.1' RT.	86.1' LT.	75.1' LT.	84.1' LT.	90.1' LT.	67.1' LT.	119.3' LT.	201.4' LT.
BASE TYPE		TRANSFORMER	TRANSFORMER	ANCHOR	ANCHOR	ANCHOR	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER
BREAKWAY POLE BASE (Y/N)		Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MAST ARM LENGTH (FT)		15	15	5	5	5	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LUMINAIRE E.M.H. (FT)		45	45	38	38	38	45	45	45	45	45	45	45	45	45	45	45	45	45	45
NUMBER OF LUMINAIRES		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IES DISTRIBUTION TYPE		III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III

*LUMINAIRE TYPE: C3 (194W) LED = GE Evolve ERL2_23C340.ies

B = Black Circuit; R = Red Circuit

DESIGN DATA TABLE

DESIGN DATA				1a. RAMP TERMINUS AT ARLINGTON RD.	1b. RAMP DIVERGE	2a. MAINLINE FILLER (WEST)	2b. R-CUT (WEST) INTERSECTION AT MONROE ST.	2c. R-CUT (WEST) LOON	3a. R-CUT (EAST) INTERSECTION AT STONELAKE DR.	3b. MAINLINE FILLER (EAST)	3c. R-CUT (EAST) LOON	3d. TRANSITION (EAST)	4a. STONELAKE DR. NB CROSSWALK	4b. STONELAKE DR. SB CROSSWALK	4c. STONELAKE DR. INTERSECTION
CRITERIA	MAIN ZONES	TRANSITION ZONES	INTERSECTION (LOCAL)	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
INITIAL LAMP LUMENS	-	-	-	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000
AVERAGE MAINTAINED ILLUMINACE (Fc)	0.8 (min.)	0.4 (min.)	0.4 (min.)	1.5	1.1	1.1	0.9	1.1	1.1	0.9	0.8	0.9	1.4	0.8	1.4
LUMINAIRE DIRT DEPRECIATION FACTOR (LDD)	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
LIGHT LOSS FACTOR (LLF)	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
UNIFORMITY RATIO (AVE/MIN)	4:1 (max.)	4:1 (max.)	6:1 (max.)	3.0:1	2.2:1	1.4:1	3.0:1	3.7:1	2.8:1	2.3:1	2.7:1	3.0:1	1.0:1	1.3:1	3.5:1
MOUNTING HEIGHT	-	-	-	42	42	42	42	42	42	42	42	42	42	42	30
LUMINAIRE CLASSIFICATION	-	-	-	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III

LIGHT POLE SCHEDULE, CIRCUIT B-1

LUMINAIRE NO	BRANCH CIRCUIT B-1	B1-1
*LUMINAIRE TYPE		LED - 194W
CIRCUIT CONNECTION		B
CONNECTION TYPE		Type 1
SET BACK FROM	EDGE OF PAVEMENT	-
	LINE	"S-1"
	RAMP	-
POLE SETBACK (FT)		26.5' LT.
BASE TYPE		TRANSFORMER
BREAKWAY POLE BASE (Y/N)		N
MAST ARM LENGTH (FT)		5
LUMINAIRE E.M.H. (FT)		30
NUMBER OF LUMINAIRES		1
IES DISTRIBUTION TYPE		III

*LUMINAIRE TYPE: C3 (194W) LED = GE Evolve ERL2_23C340.ies

B = Black Circuit

SERVICE POINT AMP TABLE

SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPS		COMPUTED AMPS TOTAL	MAX VOLTAGE DROP (%)	BRANCH CIRCUIT BREAKER
			BLACK	RED			
A, TYPE II 240V	100 AMP	A-1	7.28	8.08	15.36	4.71	2-30 AMP
B, TYPE II 240V	100 AMP	B-1		0.00	0		2-30 AMP

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

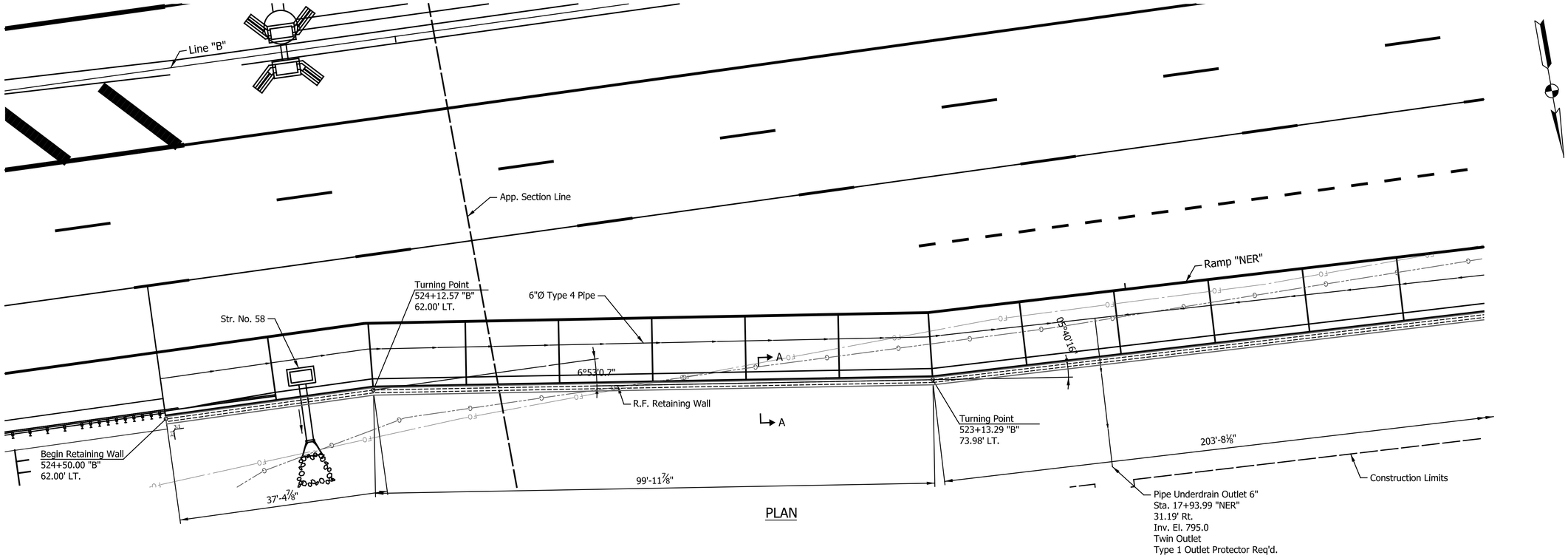
DESIGNED: ASI DRAWN: ASI

CHECKED: RMC CHECKED: MSS

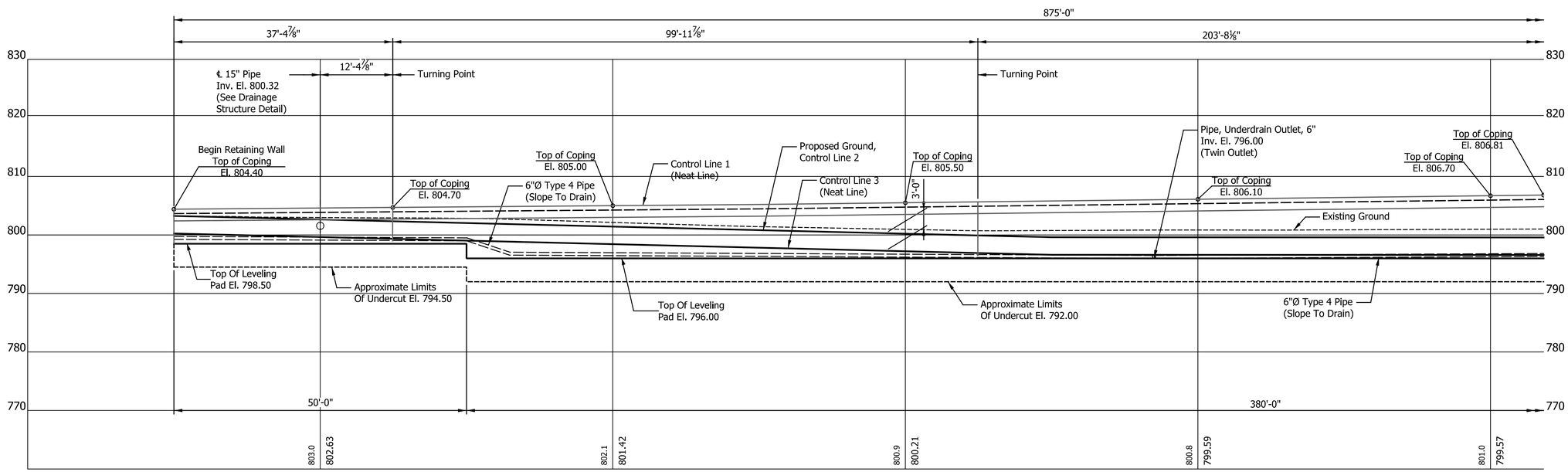
INDIANA DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	63 of 131
CONTRACT	PROJECT
R-42426	1700198



PLAN



ELEVATION

NOTES:

Limits of Undercut shown are approximate. Final limits shall be determined at the time of construction by the Geotechnical Engineer of Record in the field.

For additional R/W, Roadway Alignment, and drainage information, see Road Plan & Profile Sheets.

For Section A-A, see Sheet No. 68

Elevation shown along front face of wall.

All dimensions, stations, and offsets are given along Rear Face of wall.

For Maximum Factored Bearing Resistance, See Sheet No. 68.

For Underdrain Details, see Sheet No. 68.

For Additional Underdrain Outlet Details, see E718-UNDR 01 thru 07.

The leveling pad, leveling pad step locations, elevations, dimensions, and resulting Structure Backfill, Class "B" Concrete and "B" Borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity in which it bases its bid.

GARRETT SCOTT JOHNSON
REGISTERED
No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

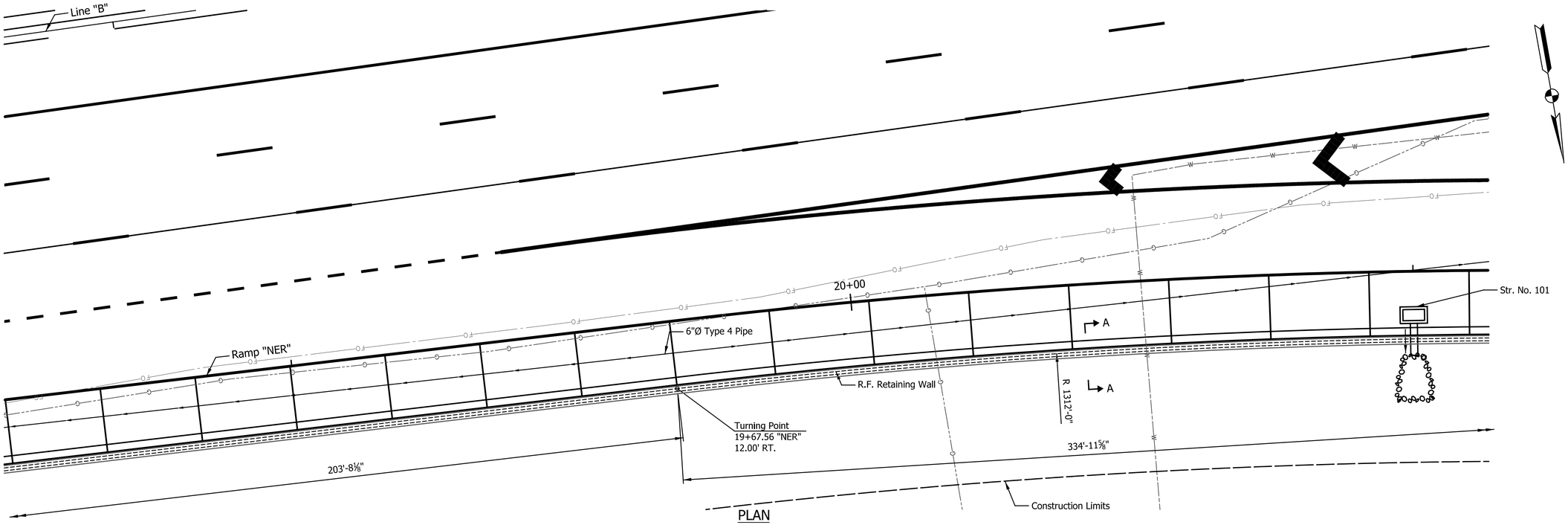
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

DESIGNED: APL | DRAWN: TLH
CHECKED: JPS | CHECKED: APL

INDIANA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	64 of 131
CONTRACT	PROJECT
R-42426	1700198



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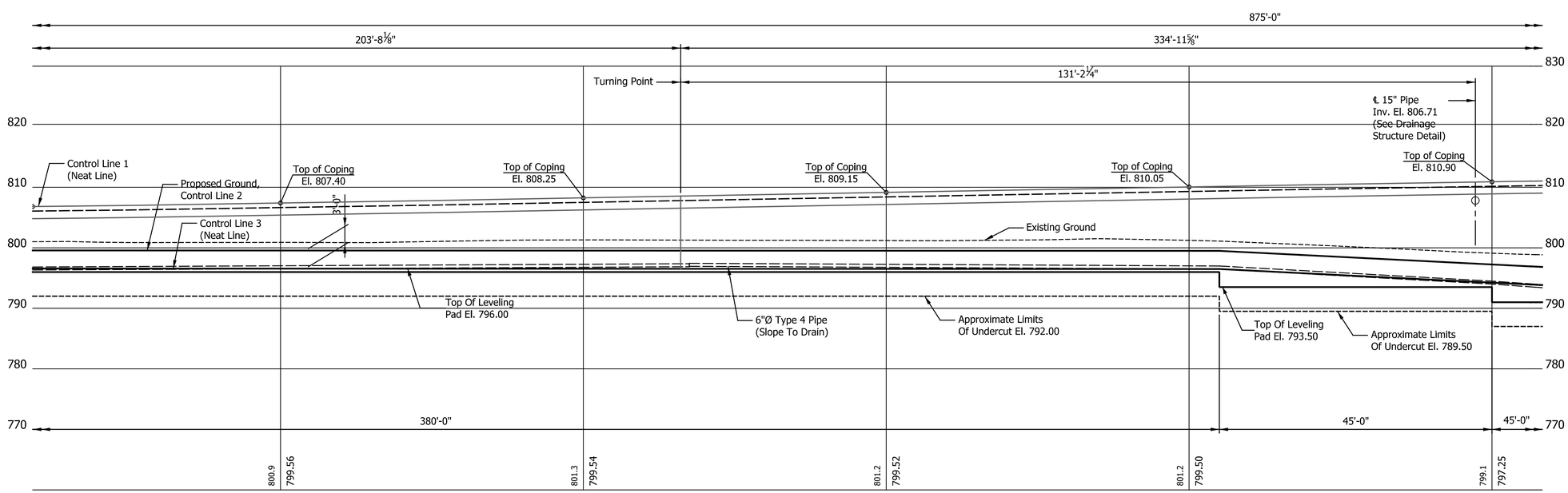

ELEVATION

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PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 08/18/2023 DATE

DESIGNED: APL DRAWN: TLH
CHECKED: JPS CHECKED: APL

INDIANA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	65 of 131
CONTRACT	PROJECT
R-42426	1700198

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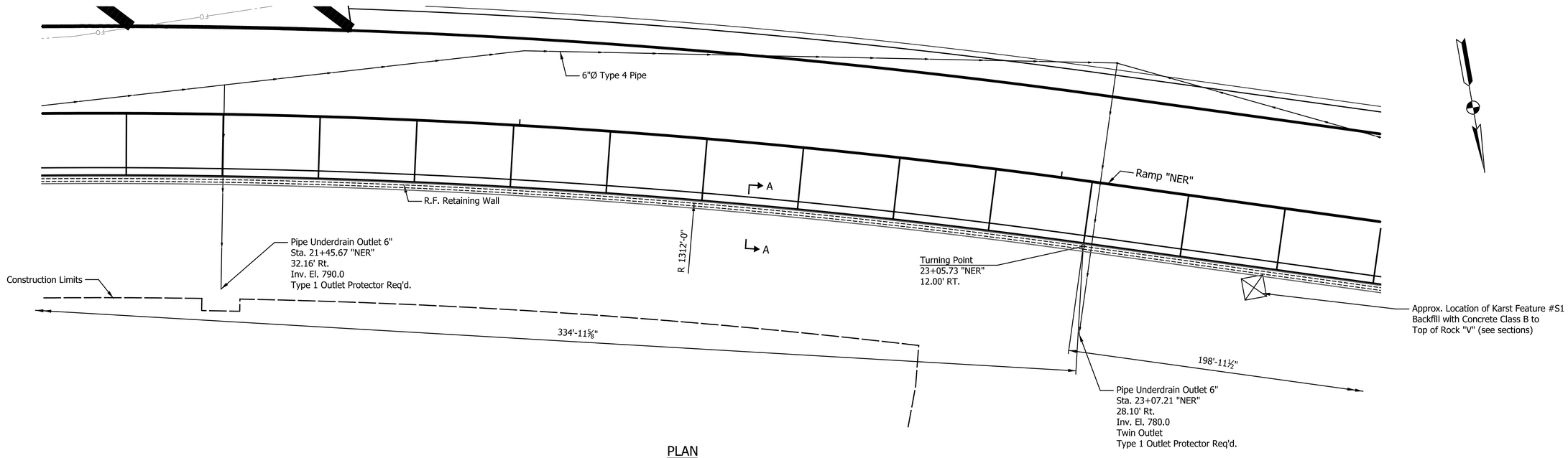
Indiana_Shade.tbl



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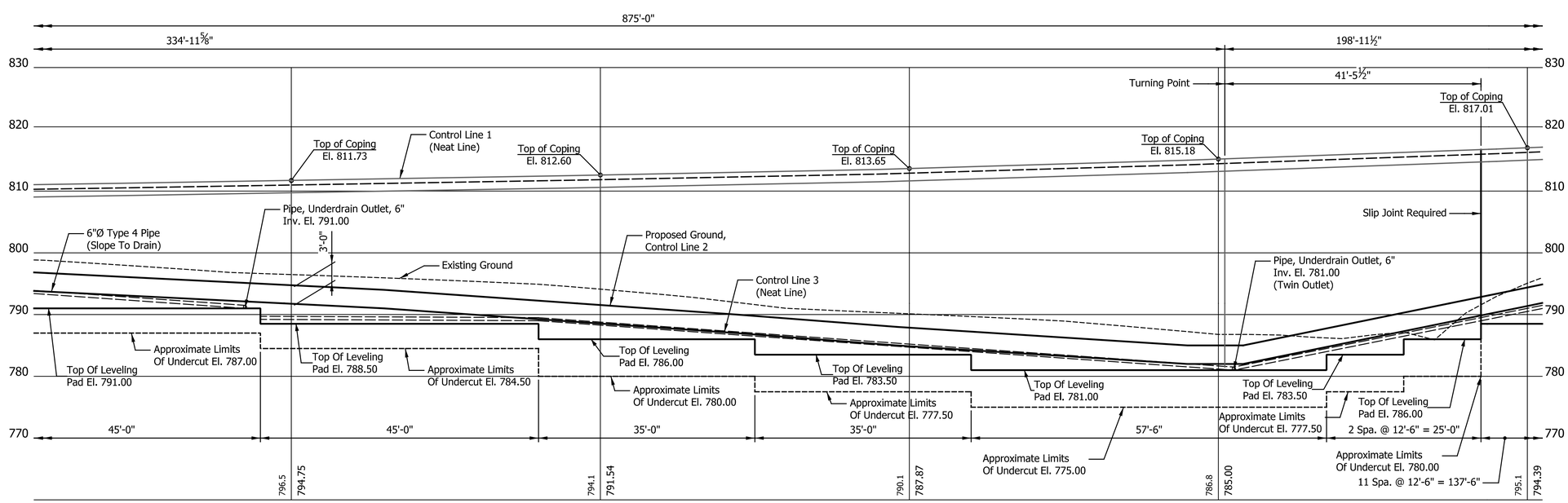

ELEVATION

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Elevation shown along front face of wall.

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For Underdrain Details, see Sheet No. 68.

For Additional Underdrain Outlet Details, see E718-UNDR 01 thru 07.

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STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

DESIGNED: APL | DRAWN: TLH
CHECKED: JPS | CHECKED: APL

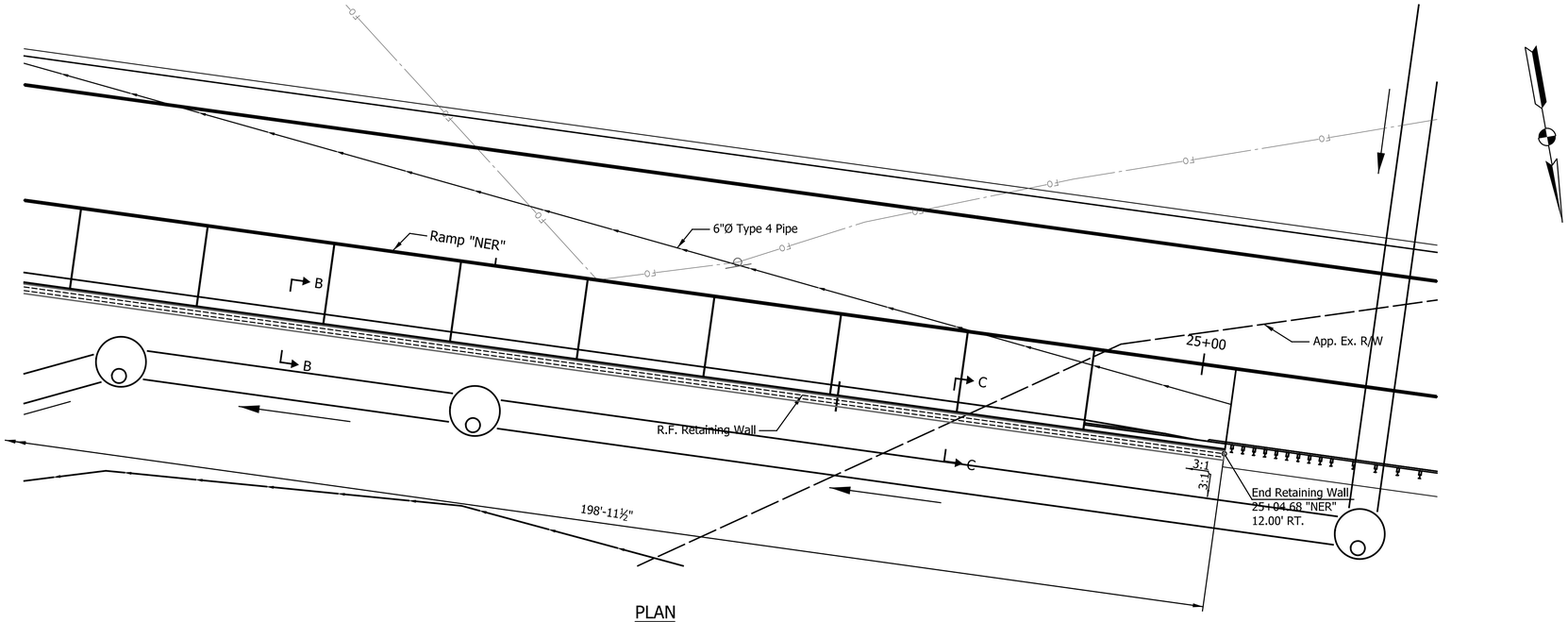
INDIANA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	66 of 131
CONTRACT	PROJECT
R-42426	1700198

RETAINING WALL BILL OF MATERIALS

Retaining Wall		
Face Panels, Concrete	13298	Sft.
Wall Erection	13298	Sft.
Leveling Pad, Concrete	875	Lft.
Earthwork		
Structure Backfill, Type 3	9918	Cys.
"B" Borrow	8405	Cys.
Common Excavation (for Undercut)	3084	Cys.
Structure Backfill, Type 2	3594	Cys.
Rock Excavation	1035	Cys.
Geotextile for Pavement, Type 2B	2350	Sys.
Drainage		
Pipe, Type 4, Circular, 6"	987	Lft.
Pipe, Underdrain, Outlet, 6"	86	Lft.
Outlet Protection, Type 1	3	Each
Aggregate For Underdrains	75	Cys.
Geotextile for Underdrains, Type 1A	695	Sys.
Miscellaneous		
Concrete, B, Footings	319.0	Cys.



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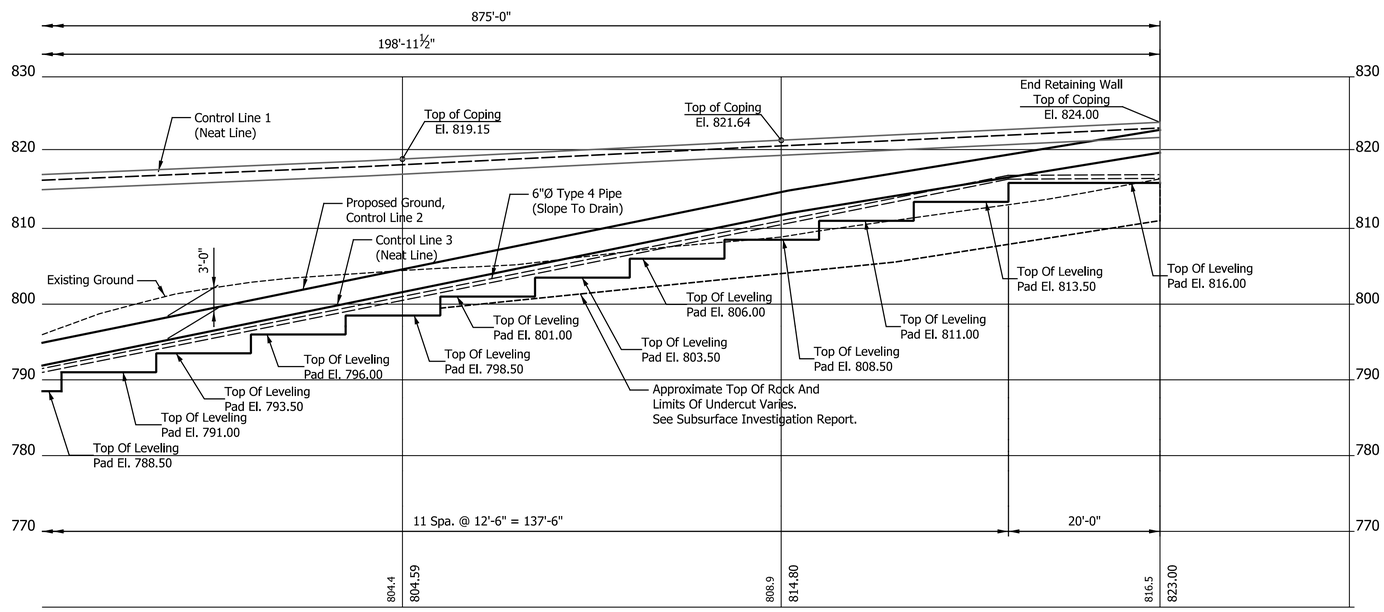

ELEVATION

NOTES:

Limits of Undercut shown are approximate. Final limits shall be determined at the time of construction by the Geotechnical Engineer of Record in the field.

For additional R/W, Roadway Alignment, and drainage information, see Road Plan & Profile Sheets.

For Section A-A, see Sheet No. 68.

Elevation shown along front face of wall.

All dimensions, stations, and offsets are given along Rear Face of wall.

For Maximum Factored Bearing Resistance, see Sheet No. 68.

For Underdrain Details, see Sheet No. 68.

For Additional Underdrain Outlet Details, see E718-UNDR 01 thru 07.

The leveling pad, leveling pad step locations, elevations, dimensions, and resulting Structure Backfill, Class "B" Concrete and "B" Borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity in which it bases its bid.

GARRETT SCOTT JOHNSON
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STATE OF INDIANA
PROFESSIONAL ENGINEER

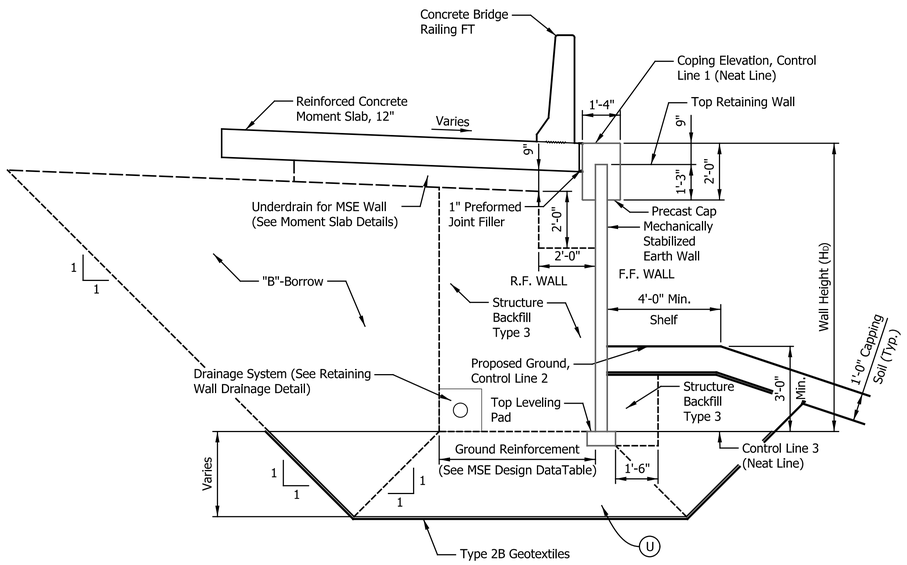
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER — 08/18/2023 DATE

DESIGNED: APL | DRAWN: TLH
CHECKED: JPS | CHECKED: APL

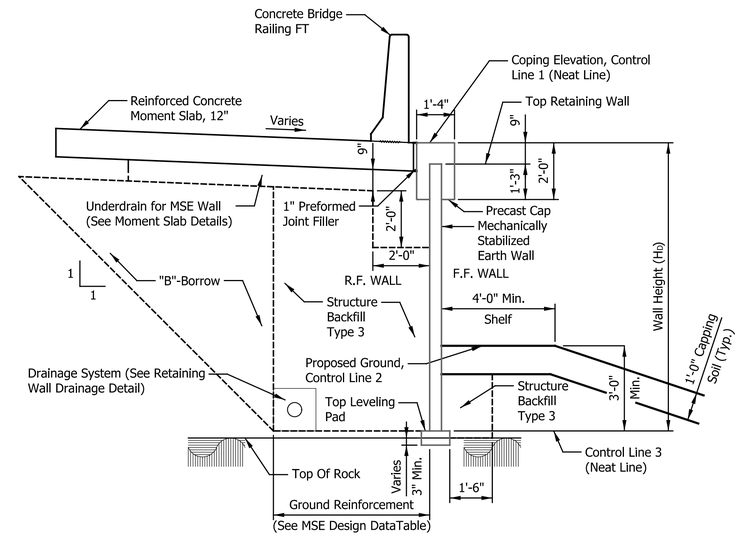
INDIANA
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	67 of 131
CONTRACT	PROJECT
R-42426	1700198

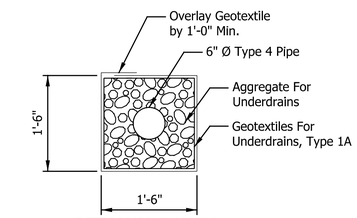


SECTION A-A



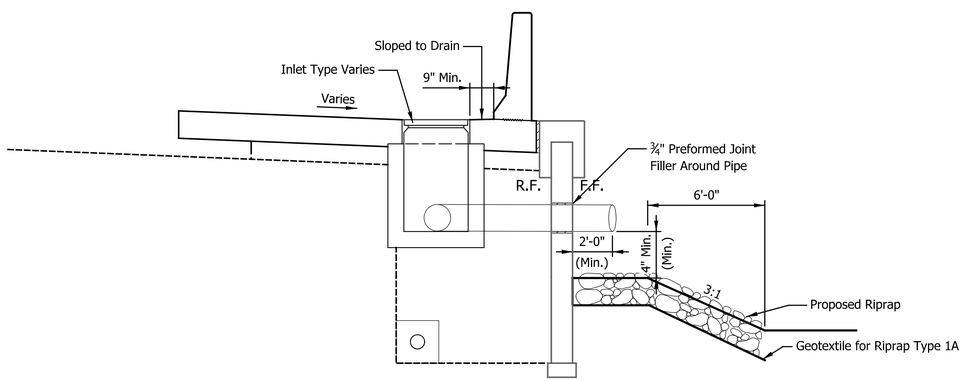
SECTION B-B

Showing Keyed Into Rock

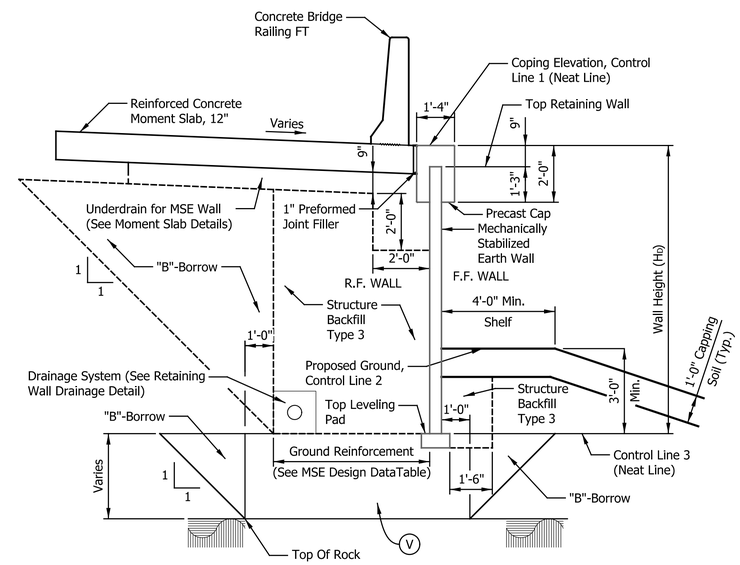


RETAINING WALL DRAINAGE DETAIL

No Scale



TYP. DRAINAGE STRUCTURE THROUGH MSE WALL DETAIL



SECTION C-C

Showing Undercut To Rock

NOTES:

Limits of Undercut shown are approximate. Final limits shall be determined at the time of construction by the Geotechnical Engineer of Record in the field.

For Additional Underdrain Outlet Details, see E718-UNDR 01 thru 07.

See Subsurface Investigation Report for additional information.

The elevation of top of rock and subsequent undercut may vary.

The leveling pad, leveling pad step locations, elevations, dimensions, and resulting Structure Backfill, Class "B" Concrete and "B" Borrow backfill quantities are conceptual and are provided for information only. The Contractor shall be responsible for the quantity in which it bases its bid.

MSE Design Data Table

Alignment	Location/Station	R/L	Maximum Factored Bearing Resistance (PSF)	Minimum Reinforcement Length (8ft min.)	Approximate Undercut Depth	Section
NER	Begin Retaining Wall to 22+00	R	5,840	$L=0.85H_b$	4 ft	A-A
NER	22+00 to 23+50	R	8,000	$L=1.00H_b$	6 ft	A-A
NER	23+50 to End Retaining Wall	R	43,020	$L=0.70H_b$	To Sound Bedrock	B-B or C-C

LEGEND

(U) Limits of Undercut & Backfill with Structure Backfill, Type 2 As Directed by the Engineer. (See Profile For Approximate Limits)

(V) Limits of Undercut & Backfill with Class "B" Concrete As Directed by the Engineer. (See Profile For Approximate Limits)

GARRETT SCOTT JOHNSON REGISTERED No. 12200449 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 08/18/2023

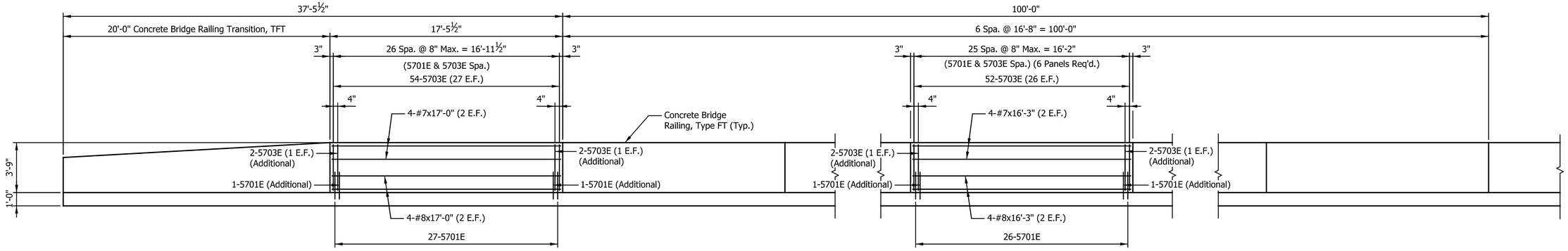
DESIGNED: APL DRAWN: TLH

CHECKED: JPS CHECKED: APL

INDIANA DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS

HORIZONTAL SCALE	BRIDGE FILE
⅜" = 1'-0", U.N.	N/A
VERTICAL SCALE	DESIGNATION
⅜" = 1'-0", U.N.	1700198
SURVEY BOOK	SHEETS
N/A	68 of 131
CONTRACT	PROJECT
R-42426	1700198



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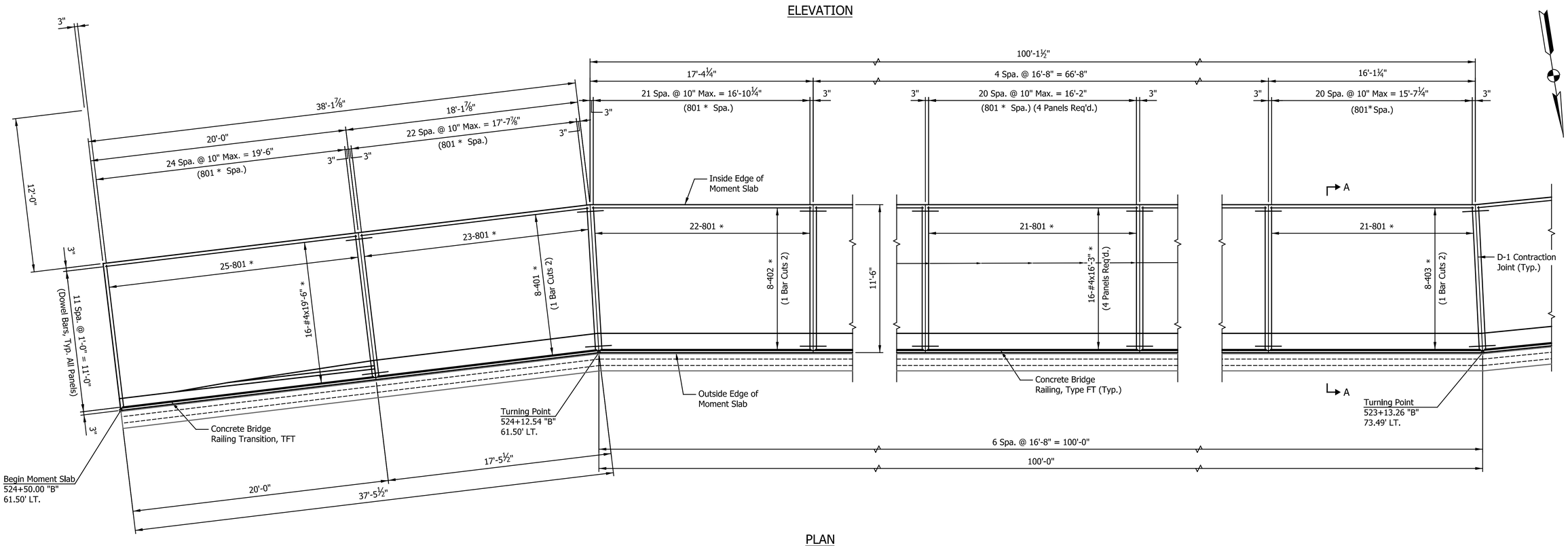

PLAN

NOTES:

All reinforcing steel to be epoxy coated.

For Rail Lighting Details, see Sheet No. 75 and Standard Drawing E807-BLIT-01 Thru 04

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

For Section A-A, see Sheet No. 75.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Concrete Bridge Railing Transition TFT Details, see Standard Drawings E706-TTFT-01 Thru 03.

For Concrete Bridge Railing Type FT Details, see Standard Drawing E706-BRSF-01 thru 04

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON
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No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

DESIGNED: APL | DRAWN: TLH
CHECKED: GSJ | CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB NO. 1
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	69 of 131
CONTRACT	PROJECT
R-42426	1700198

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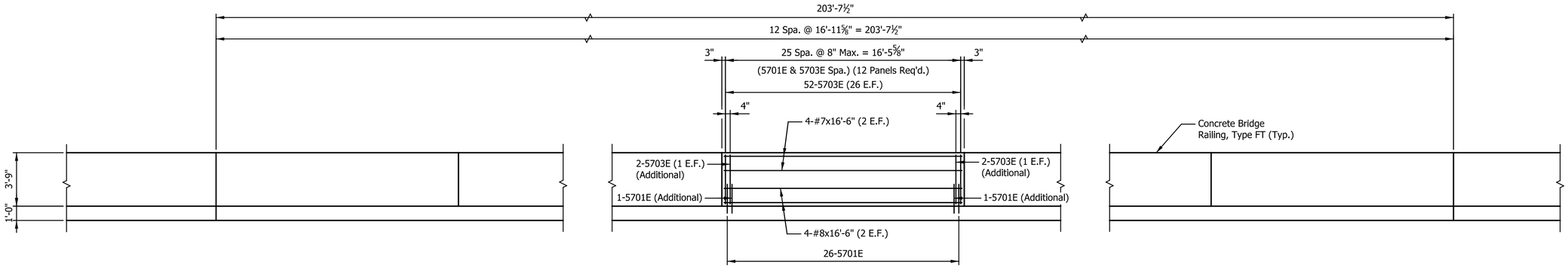

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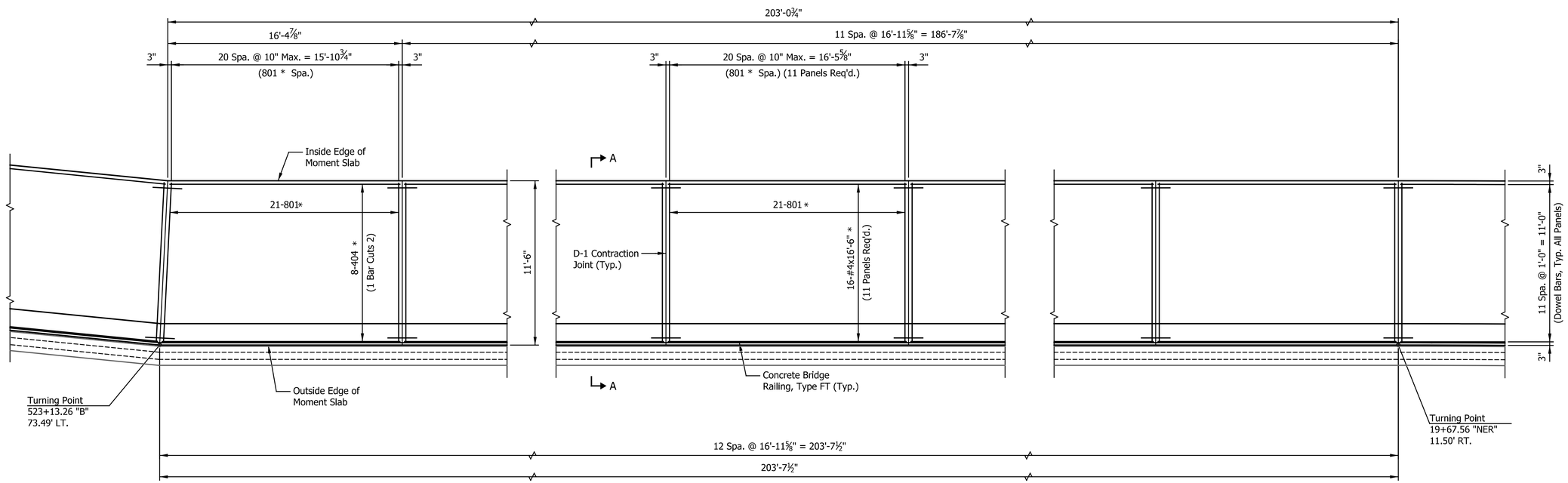

PLAN

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* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON REGISTERED No. 12200449 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

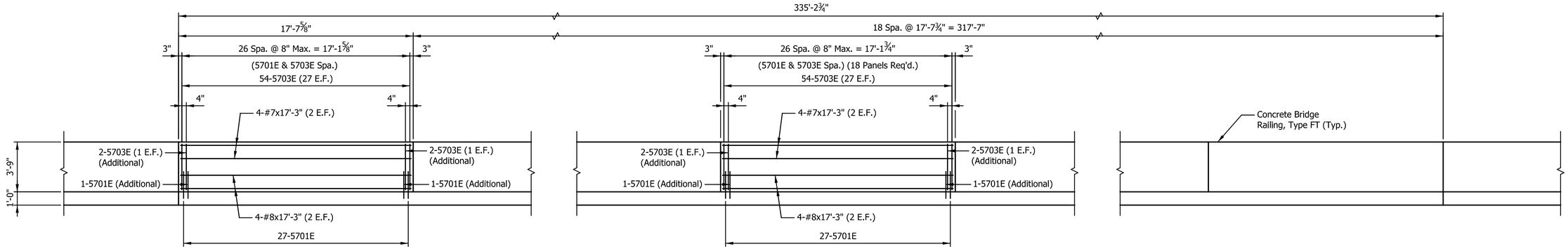
DESIGNED: APL | DRAWN: TLH

CHECKED: GSJ | CHECKED: GSJ

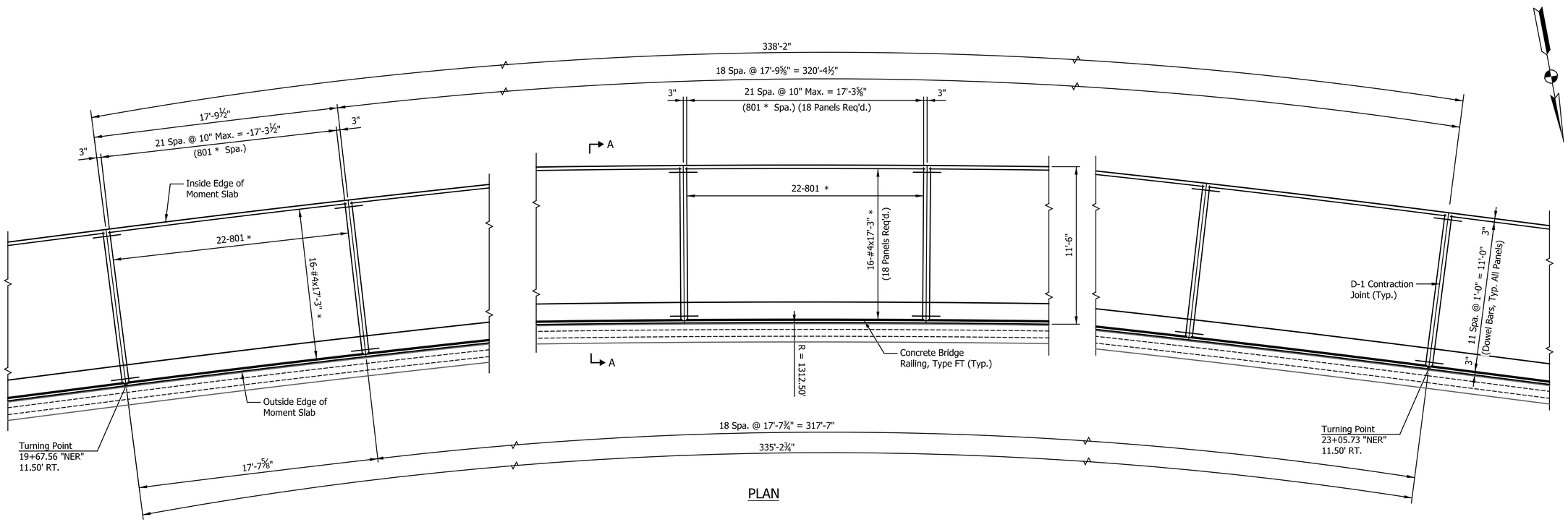
INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB NO. 1
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	70 of 131
CONTRACT	PROJECT
R-42426	1700198



ELEVATION



PLAN

NOTES:

All reinforcing steel to be epoxy coated.

For Rail Lighting Details, see Sheet No. 75 and Standard Drawing E807-BLIT-01 Thru 04

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

75For Section A-A, see Sheet No. 75.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Concrete Bridge Railing Transition TFT Details, see Standard Drawings E706-TTFT-01 Thru 03.

For Concrete Bridge Railing Type FT Details, see Standard Drawing E706-BRSF-01 thru 04

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON
REGISTERED
No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ 08/18/2023
DESIGN ENGINEER DATE

DESIGNED: APL DRAWN: TLH
CHECKED: GSJ CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB NO. 1
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	71 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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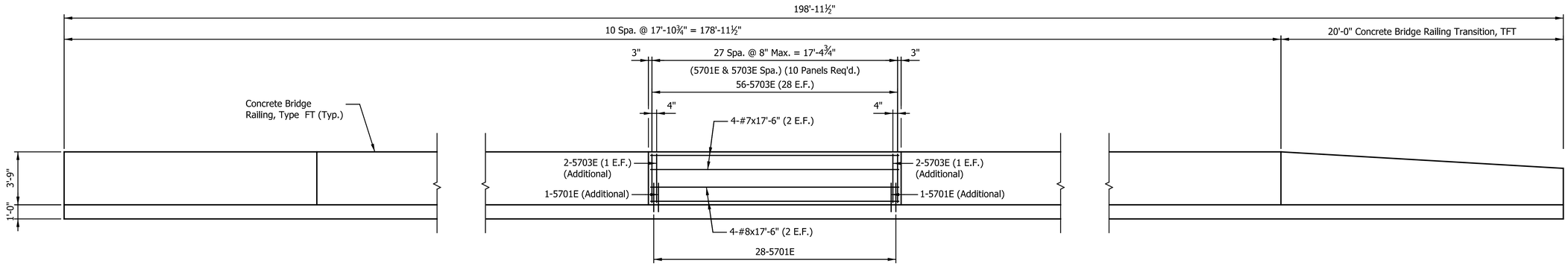
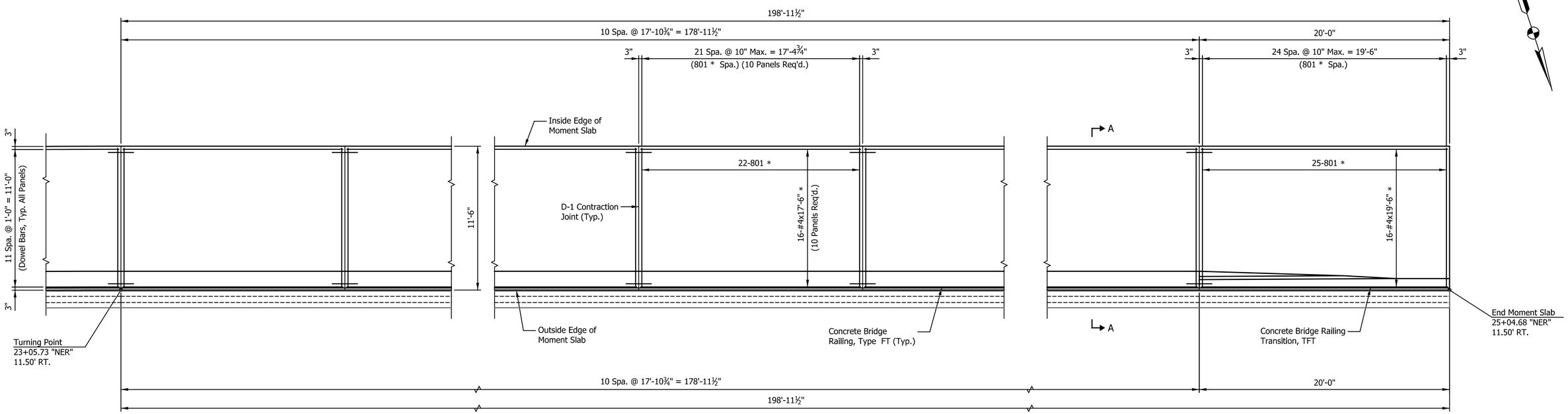


ELEVATION



PLAN

NOTES:

All reinforcing steel to be epoxy coated.

For Rail Lighting Details, see Sheet No. 75 and Standard Drawing E807-BLIT-01 Thru 04

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

For Section A-A, see Sheet No. 75.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Concrete Bridge Railing Transition TFT Details, see Standard Drawings E706-TTFT-01 Thru 03.

For Concrete Bridge Railing Type FT Details, see Standard Drawing E706-BRSF-01 thru 04

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON
REGISTERED
No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

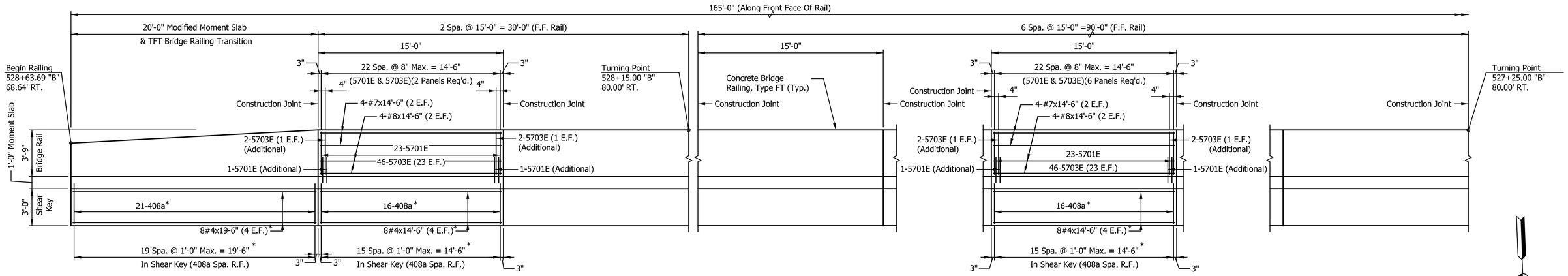
RECOMMENDED FOR APPROVAL _____ 08/18/2023
DESIGN ENGINEER DATE

DESIGNED: APL DRAWN: TLH
CHECKED: GSJ CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

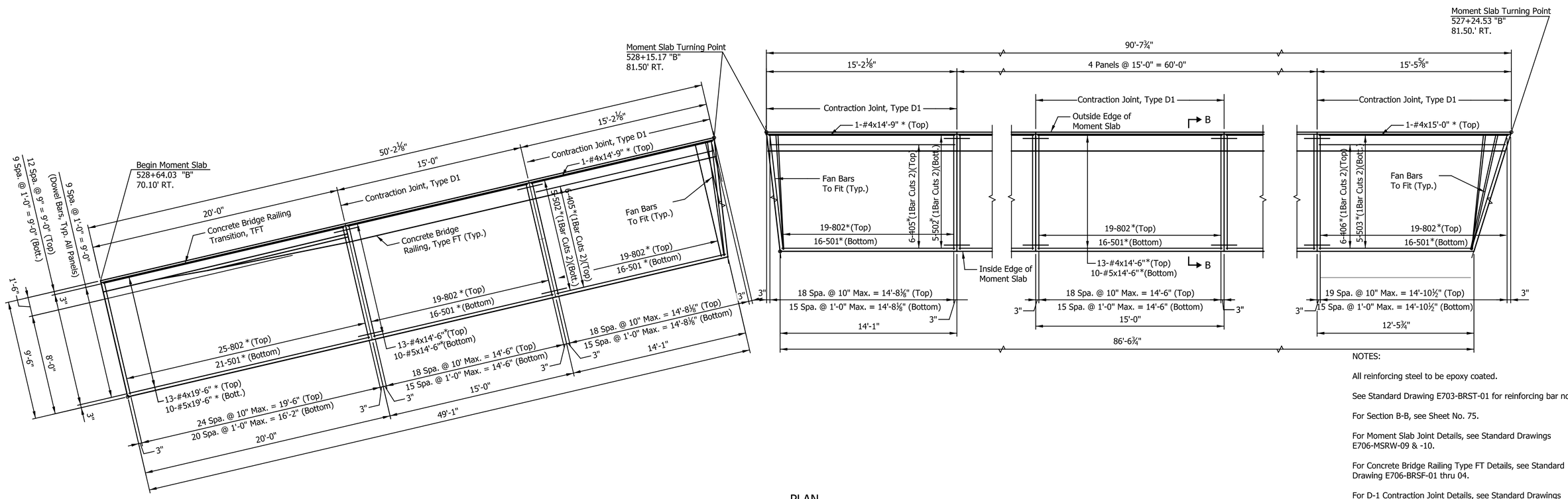
MOMENT SLAB NO. 1
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	72 of 131
CONTRACT	PROJECT
R-42426	1700198



ELEVATION

(Railing & Shear Key)



PLAN

(Moment Slab)

NOTES:

All reinforcing steel to be epoxy coated.

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

For Section B-B, see Sheet No. 75.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For Concrete Bridge Railing Type FT Details, see Standard Drawing E706-BRSF-01 thru 04.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Concrete Bridge Railing Transition TFT Details, see Standard Drawings E706-TTFT-01 Thru 03.

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON
REGISTERED
No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

DESIGNED: JRW | DRAWN: JRW
CHECKED: GSJ | CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB NO. 2
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	73 of 131
CONTRACT	PROJECT
R-42426	1700198

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Indiana_Shade.tbl

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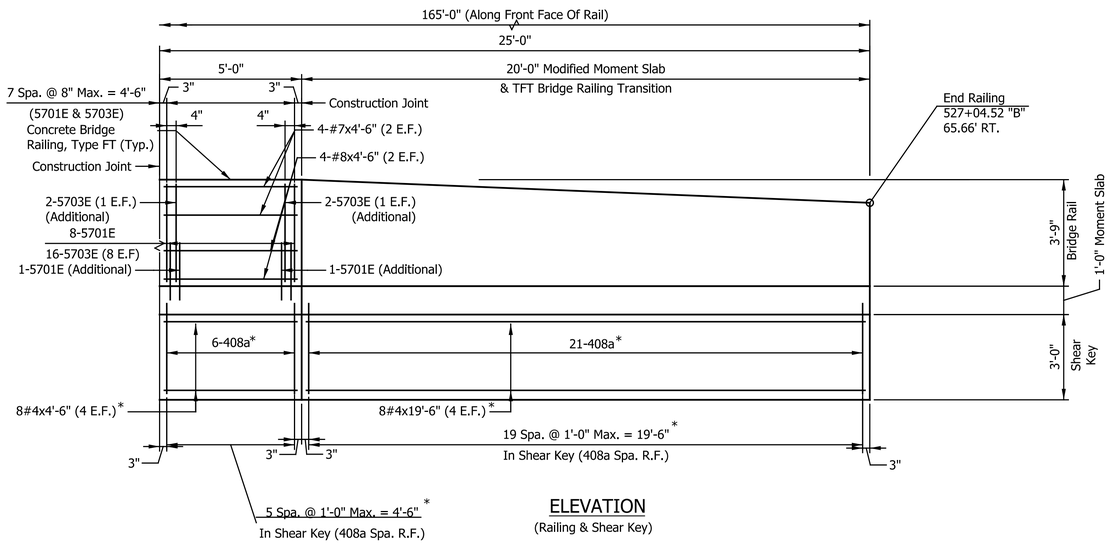
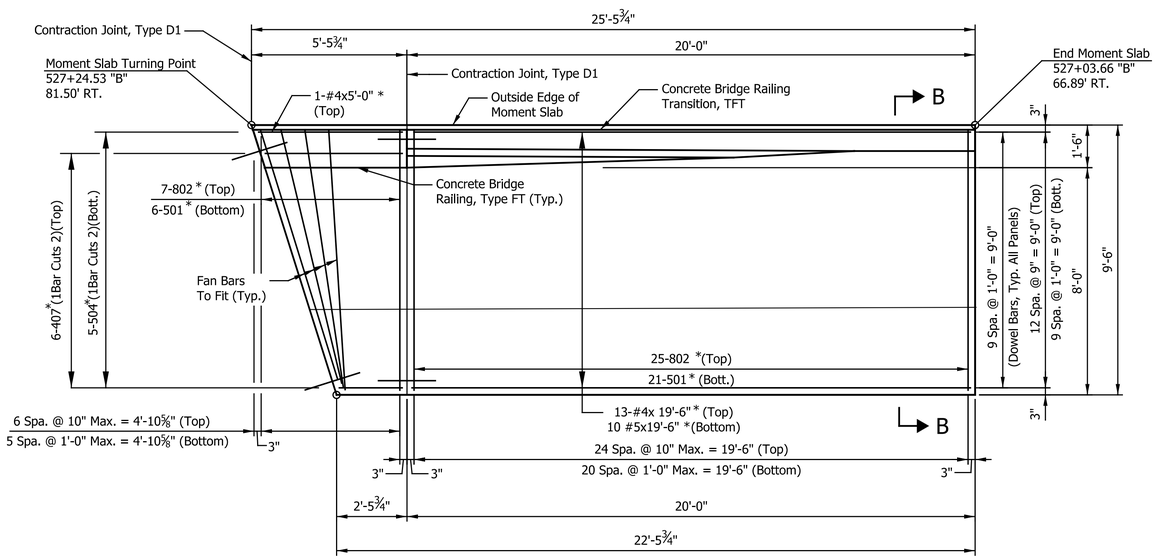


ELEVATION

(Railing & Shear Key)



PLAN

(Moment Slab)

NOTES:

All reinforcing steel to be epoxy coated.

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

For Section B-B, see Sheet No. 75.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For Concrete Bridge Railing Type FT Details, see Standard Drawing E706-BRSF-01 thru 04.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Concrete Bridge Railing Transition TFT Details, see Standard Drawings E706-TTFT-01 Thru 03.

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

GARRETT SCOTT JOHNSON
REGISTERED
No. 12200449
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 08/18/2023

DESIGNED: JRW | DRAWN: JRW

CHECKED: GSJ | CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB NO. 2
DETAILS

HORIZONTAL SCALE	BRIDGE FILE
⅜" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	74 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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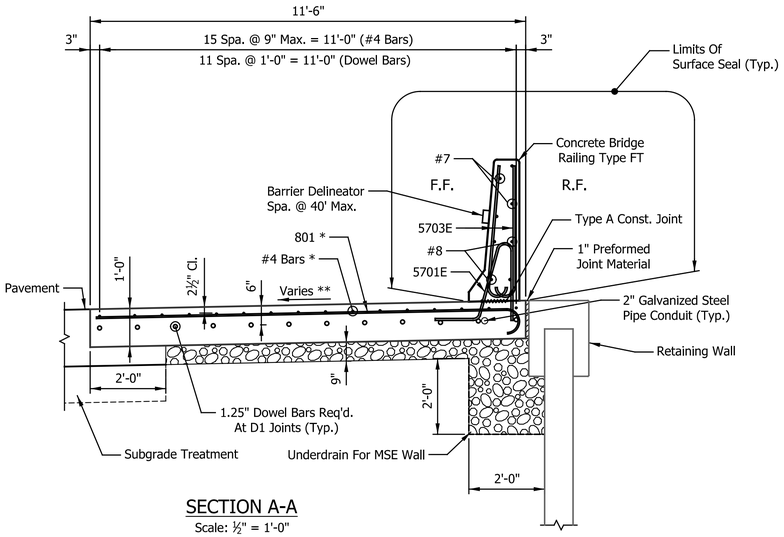
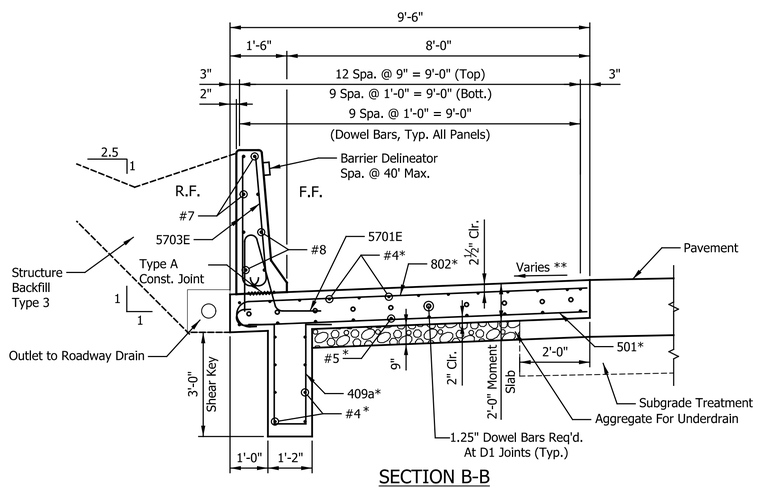


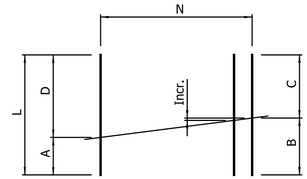
SECTION A-A

Scale: ½" = 1'-0"



SECTION B-B

Scale: ½" = 1'-0"



1 Bar Cuts 2

Mark	L	A	B	C	D	Incr.	N
401 *	34'-10"	17'-1"	17'-5"	17'-5"	17'-9"	1/2"±	8
402 *	33'-4"	16'-4"	16'-8"	16'-8"	17'-0"	1/2"±	8
403 *	32'-0"	15'-9"	16'-0"	16'-0"	16'-3"	3/8"±	8
404 *	32'-8"	16'-1"	16'-4"	16'-4"	16'-7"	3/8"±	8
405 *	28'-5"	13'-9"	14'-2"	14'-3"	14'-8"	1"±	6
406 *	26'-9"	12'-0"	13'-3"	13'-6"	14'-9"	3"±	6
407 *	6'-9"	2'-0"	3'-3"	3'-6"	4'-9"	3"±	6
502 *	28'-6"	13'-9"	14'-2"	14'-4"	14'-9"	1 3/8"±	5
503 *	27'-0"	12'-0"	13'-4"	13'-8"	15'-0"	4"±	5
504 *	7'-0"	2'-0"	3'-4"	3'-8"	5'-0"	4"±	5

MOMENT SLAB NO.1 BILL OF MATERIALS

Epoxy Coated Reinforcing Steel			
Size And Mark	No. of Bars	Length (Feet)	Weight (Lbs.)
801	1090	12'-1"	
Total No. 8			35167
401	8	34'-10"	
402	8	33'-4"	
403	8	32'-0"	
404	8	32'-8"	
#4	32	19'-6"	
#4	64	16'-3"	
#4	176	16'-6"	
#4	304	17'-3"	
#4	160	17'-6"	
Total No. 4			9135
Total Epoxy Coated Reinforcing Steel			44302
Concrete			
Reinf. Concrete Moment Slab 12"			1,121.0 Sys.
Miscellaneous			
D-1 Contraction Joint			564 Lft.
D-1 Contraction Joint Dowel Bars			588 Each
Aggregate For Underdrains			362.0 Cys.
Conduit, Steel Galvanized, 2"			875 Lft.

MOMENT SLAB NO.2 BILL OF MATERIALS

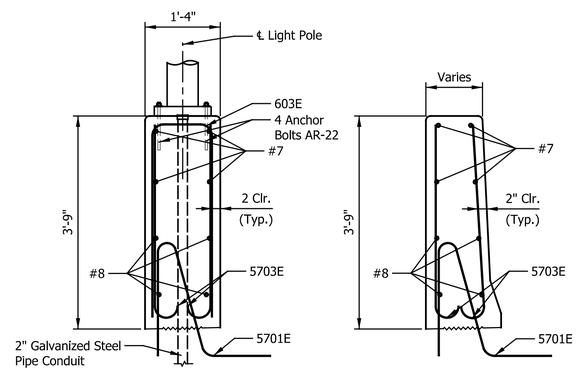
Epoxy Coated Reinforcing Steel			
Size And Mark	No. of Bars	Length (Feet)	Weight (Lbs.)
802	209	10'-1"	
Total No. 8			5629
501	176	11'-9"	
502	10	28'-6"	
503	5	27'-0"	
504	5	7'-0"	
#5	20	19'-6"	
#5	50	14'-6"	
Total No. 5			3795
405	12	28'-5"	
406	6	26'-9"	
407	6	6'-9"	
408a	176	9'-2"	
#4	42	19'-6"	
#4	1	15'-0"	
#4	2	14'-9"	
#4	129	14'-6"	
#4	1	5'-0"	
#4	8	4'-6"	
Total No. 4			3294
Total Epoxy Coated Reinforcing Steel			12718
Concrete			
Reinf. Concrete Moment Slab 12" (Modified)			172.0 Sys.
Miscellaneous			
D-1 Contraction Joint			95.0 Lft.
D-1 Contraction Joint Dowel Bars			100 Each
Structure Backfill, Type 3			48 Cys.
Pipe, Type 4, Circular, 6"			167 Lft.
Geotextiles for Underdrains, Type 1A			130.0 Sys.
Aggregate for Underdrains			47 Cys.

RAILING NO.1 BILL OF MATERIALS

Epoxy Coated Reinforcing Steel			
Size And Mark	No. of Bars	Length (Feet)	Weight (Lbs.)
#8	40	17'-6"	
#8	76	17'-3"	
#8	4	17'-0"	
#8	48	16'-6"	
#8	24	16'-3"	
Total No. 8			8707
#7	40	17'-6"	
#7	76	17'-3"	
#7	4	17'-0"	
#7	48	16'-6"	
#7	24	16'-3"	
Total No. 7			6666
603E	12	8'-0"	
Total No. 6			145
5701E	1384	5'-6"	
5703E	2768	4'-0"	
Total No. 5			19488
Conc. Bridge Railing Transition, TFT			
Epoxy Coated Reinforcing Steel			1724
Total Epoxy Coated Reinforcing Steel			36730
Concrete			
Railing, Concrete, FT			106.0 Cys.
Conc. Bridge Railing Trans., TFT			2 Each
Miscellaneous			
Surface Seal			7190 Sft.
Barrier Delineators			23 Each

RAILING NO.2 BILL OF MATERIALS

Epoxy Coated Reinforcing Steel			
Size And Mark	No. of Bars	Length (Feet)	Weight (Lbs.)
#8	32	14'-6"	
#8	4	4'-6"	
Total No. 8			1287
#7	32	14'-6"	
#7	4	4'-6"	
Total No. 7			986
5701E	210	5'-6"	
5703E	420	4'-0"	
Total No. 5			2957
Conc. Bridge Railing Transition, TFC			
Epoxy Coated Reinforcing Steel			1724
Total Epoxy Coated Reinforcing Steel			6954
Concrete			
Railing, Concrete, FT			15.3 Cys.
Conc. Bridge Railing Trans., TFT			2 Each
Miscellaneous			
Surface Seal			1280 Sft.
Barrier Delineators			6 Each

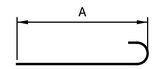


SECTION X-X

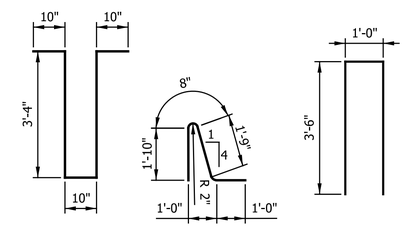
Scale: ¾" = 1'-0"

SECTION Y-Y

Scale: ¾" = 1'-0"



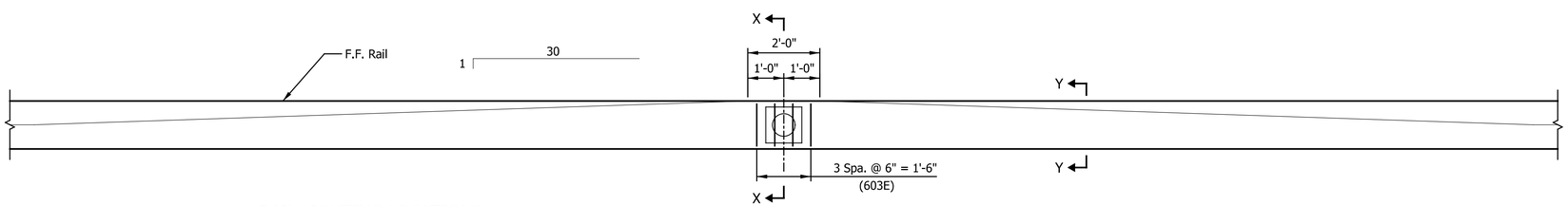
Mark	A	Length
5703E	3'-5"	4'-0"
801 *	11'-2"	12'-1"
802 *	9"-2"	10'-1"
501*	11'-2"	11'-9"



408a x 9'-2"

5701E x 5'-6"

603E x 8'-0"



RAIL LIGHTING LOCATIONS

Alignment	Station	Offset
"B"	519+10.75	97.47' Lt.
"B"	521+06.35	78.12' Lt.
"B"	523+33.17	71.33' Lt.

RAILING LIGHTING DETAIL

Scale: ½" = 1'-0"

NOTES:

All reinforcing steel to be epoxy coated.

See Standard Drawing E703-BRST-01 for reinforcing bar notes.

For Moment Slab Joint Details, see Standard Drawings E706-MSRW-09 & -10.

For D-1 Contraction Joint Details, see Standard Drawings E503-CCPJ-01 through -05.

For Additional Rail Lighting Details, see Standard Drawing E807-BLIT-01 thru -04.

For Concrete Bridge Railing FT Details, see Standard Drawings E706-BRSF-01 Thru 04.

For Retaining Wall Drainage Detail, see Sheet No. 68.

For Location of Sections A-A and B-B, See Sheets No. 69- Thru 74.

* Indicates epoxy coated reinforcing steel to be included in the cost of moment slab.

** See Spot Elevation Details Sheets.

GARRETT SCOTT JOHNSON REGISTERED No. 12200449 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 08/18/2023 DATE

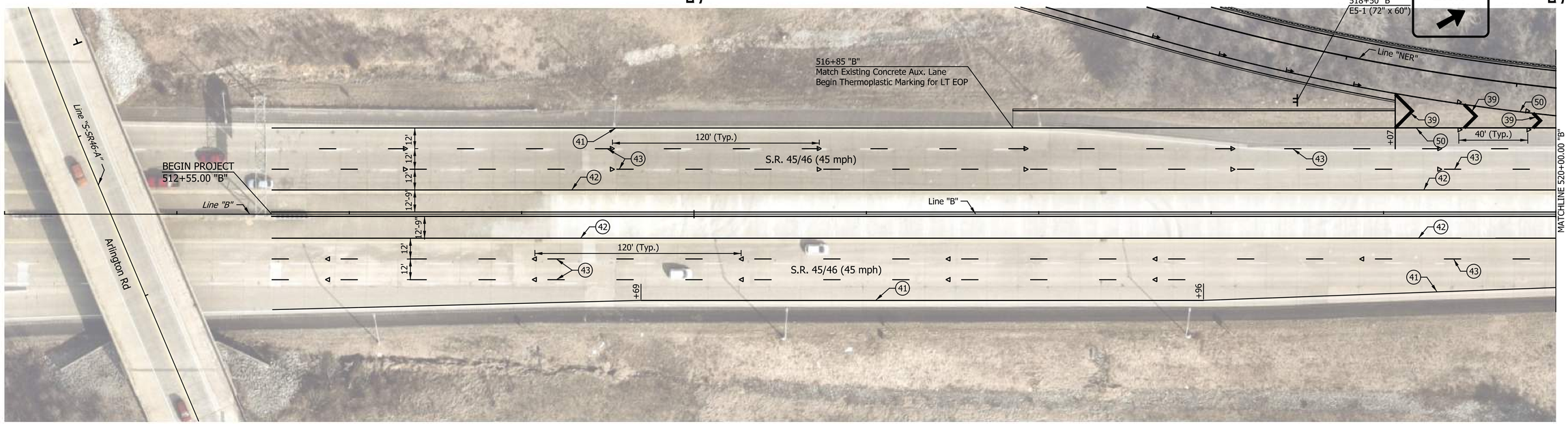
DESIGNED: JRW DRAWN: JRW

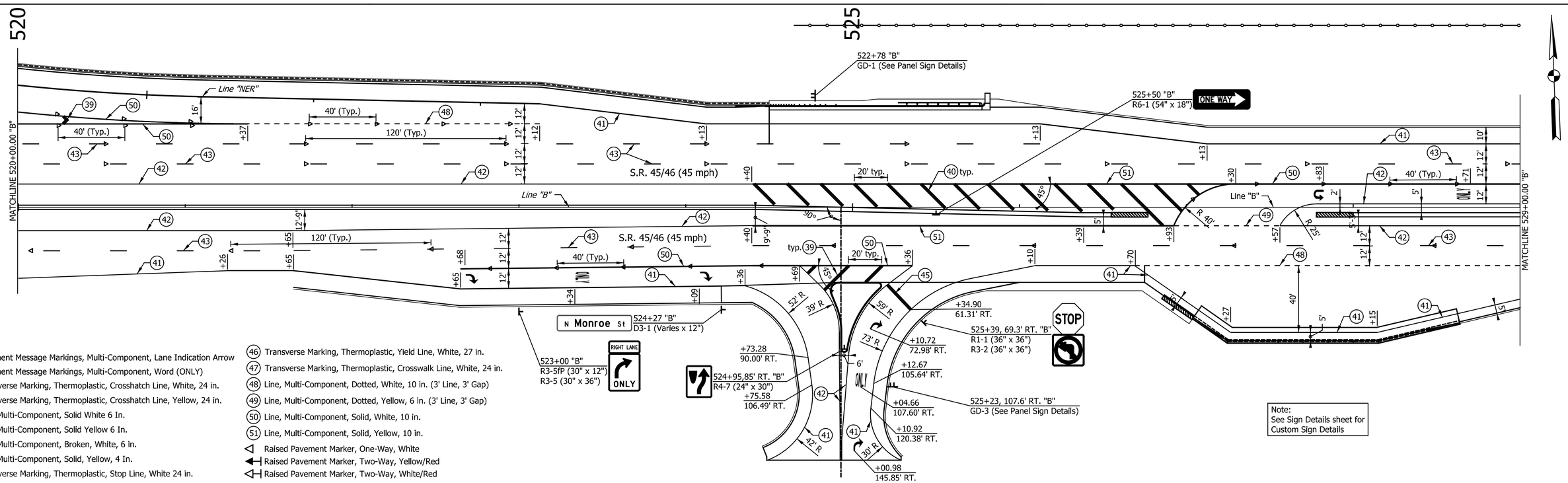
CHECKED: GSJ CHECKED: GSJ

INDIANA
DEPARTMENT OF TRANSPORTATION

MOMENT SLAB DETAILS

HORIZONTAL SCALE	BRIDGE FILE
¼" = 1'-0", U.N.	N/A
VERTICAL SCALE	DESIGNATION
	1700198
SURVEY BOOK	SHEETS
N/A	75 of 131
CONTRACT	PROJECT
R-42426	1700198





LEGEND

- Pavement Message Markings, Multi-Component, Lane Indication Arrow
- Pavement Message Markings, Multi-Component, Word (ONLY)
- (39) Transverse Marking, Thermoplastic, Crosshatch Line, White, 24 in.
- (40) Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 24 in.
- (41) Line, Multi-Component, Solid White 6 In.
- (42) Line, Multi-Component, Solid Yellow 6 In.
- (43) Line, Multi-Component, Broken, White, 6 in.
- (44) Line, Multi-Component, Solid, Yellow, 4 In.
- (46) Transverse Marking, Thermoplastic, Stop Line, White 24 in.
- (46) Transverse Marking, Thermoplastic, Yield Line, White, 27 in.
- (47) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- (48) Line, Multi-Component, Dotted, White, 10 in. (3' Line, 3' Gap)
- (49) Line, Multi-Component, Dotted, Yellow, 6 in. (3' Line, 3' Gap)
- (50) Line, Multi-Component, Solid, White, 10 in.
- (51) Line, Multi-Component, Solid, Yellow, 10 in.
- Raised Pavement Marker, One-Way, White
- Raised Pavement Marker, Two-Way, Yellow/Red
- Raised Pavement Marker, Two-Way, White/Red

Note:
See Sign Details sheet for
Custom Sign Details

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	76 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Rdf.cfg
Indiana_Shade.tbl

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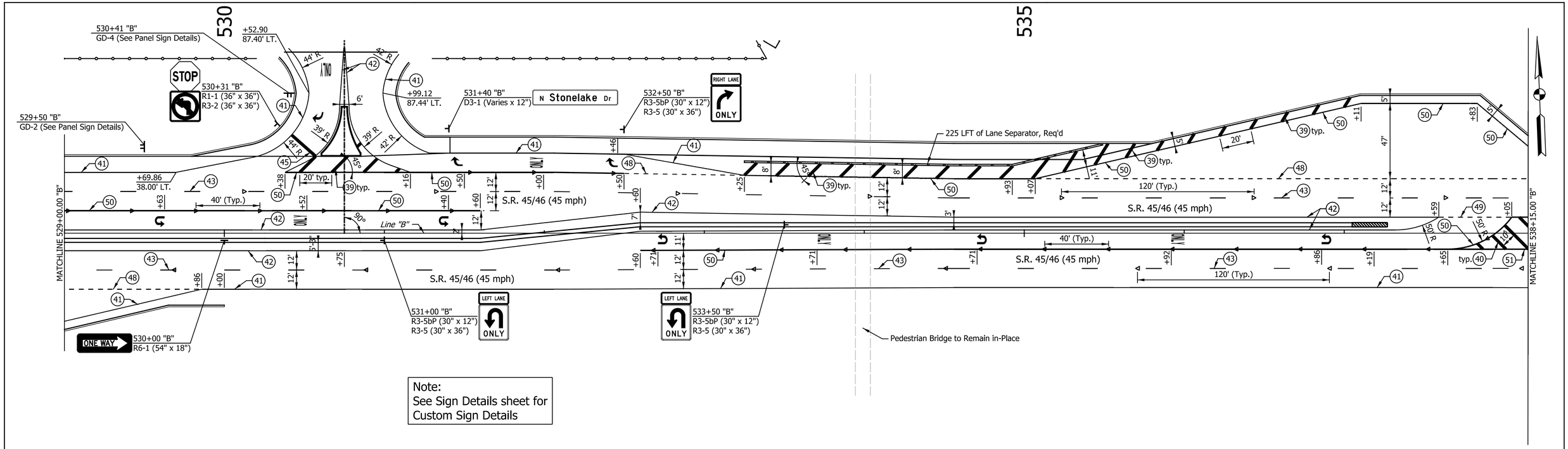
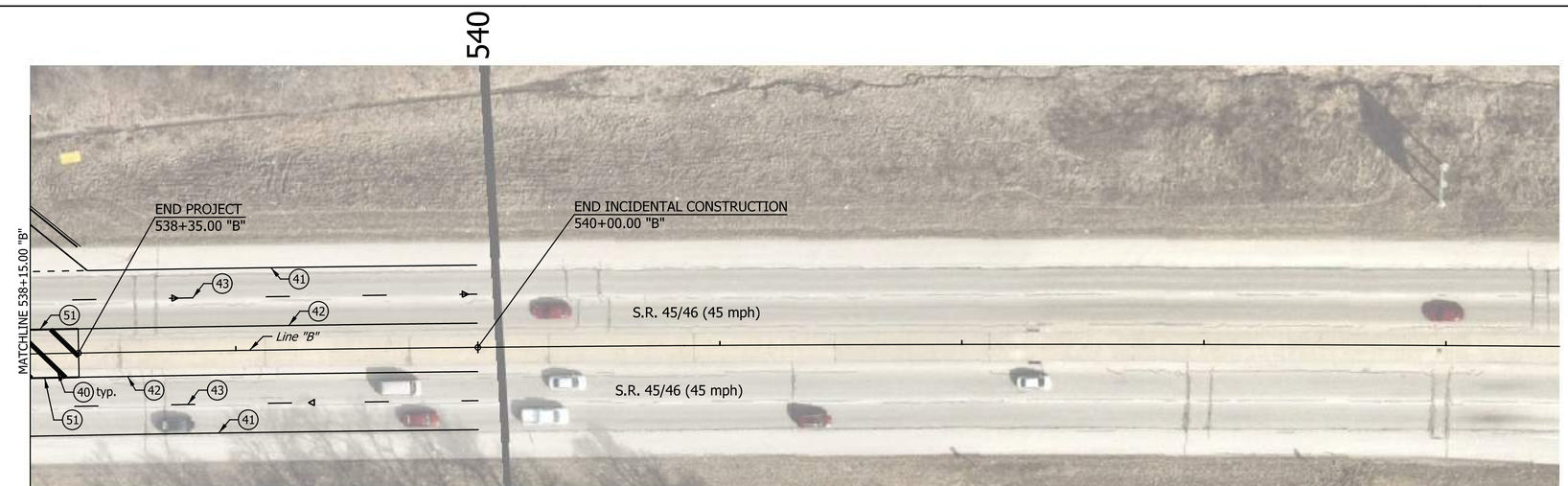
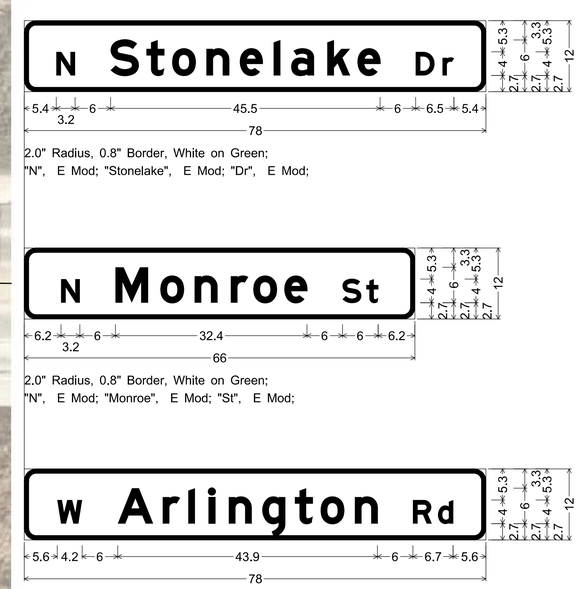


Note:
See Sign Details sheet for
Custom Sign Details



LEGEND

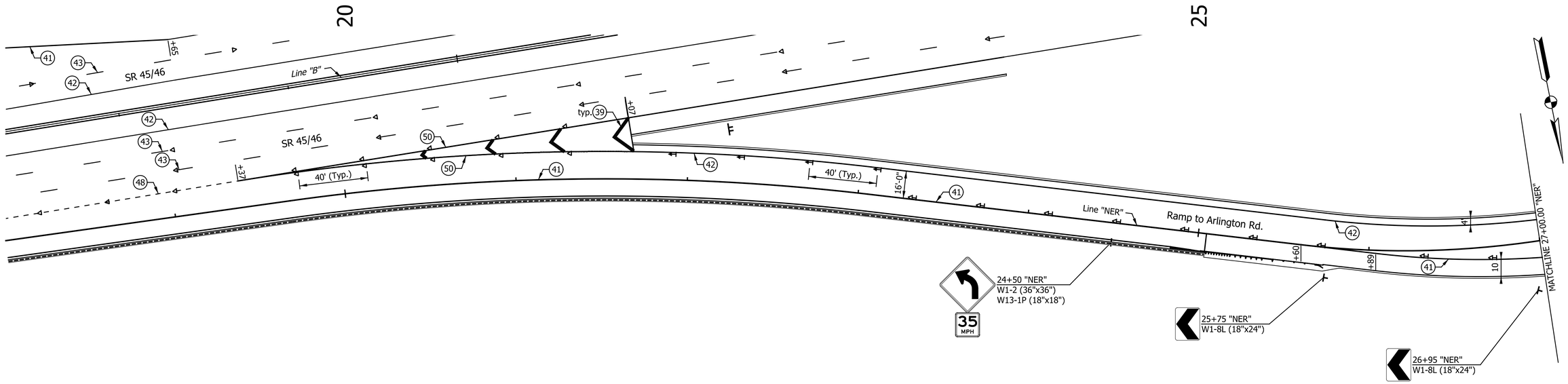
- Pavement Message Markings, Multi-Component, Lane Indication Arrow
- Pavement Message Markings, Multi-Component, Word (ONLY)
- (39) Transverse Marking, Thermoplastic, Crosshatch Line, White, 24 in.
- (40) Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 24 in.
- (41) Line, Multi-Component, Solid White 6 In.
- (42) Line, Multi-Component, Solid Yellow 6 In.
- (43) Line, Multi-Component, Broken, White, 6 In.
- (44) Line, Multi-Component, Solid, Yellow, 4 In.
- (46) Transverse Marking, Thermoplastic, Stop Line, White 24 in.
- (46) Transverse Marking, Thermoplastic, Yield Line, White, 27 in.
- (47) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- (48) Line, Multi-Component, Dotted, White, 10 in. (3' Line, 3' Gap)
- (49) Line, Multi-Component, Dotted, Yellow, 6 in. (3' Line, 3' Gap)
- (50) Line, Multi-Component, Solid, White, 10 in.
- (51) Line, Multi-Component, Solid, Yellow, 10 in.
- Raised Pavement Marker, One-Way, White
- Raised Pavement Marker, Two-Way, Yellow/Red
- Raised Pavement Marker, Two-Way, White/Red

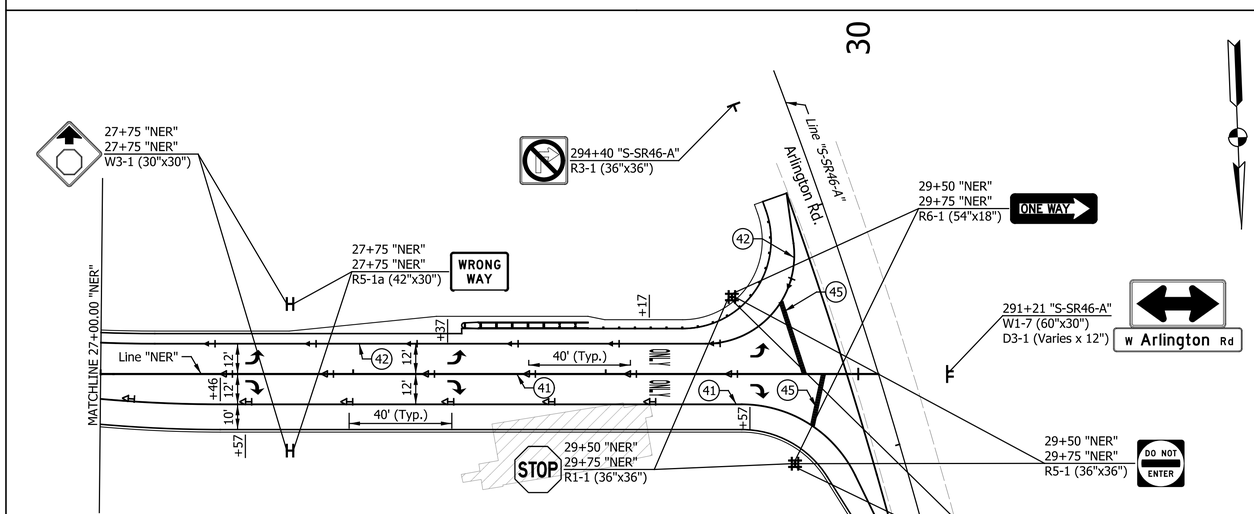


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
		VERTICAL SCALE N/A	DESIGNATION 1700198
DESIGNED: SRS / DRAWN: MCC	PAVEMENT MARKING & SIGNING DETAILS LINE "B"	SURVEY BOOK N/A	SHEETS 77 of 131
CHECKED: JPS / CHECKED: JPS		CONTRACT R-42426	PROJECT 1700198

Indy-Rdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:46:11 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PM.02.dgn





LEGEND

- Pavement Message Markings, Multi-Component, Lane Indication Arrow
- Pavement Message Markings, Multi-Component, Word (ONLY)
- (39) Transverse Marking, Thermoplastic, Crosshatch Line, White, 24 in.
- (40) Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 24 in.
- (41) Line, Multi-Component, Solid White 6 In.
- (42) Line, Multi-Component, Solid Yellow 6 In.
- (43) Line, Multi-Component, Broken, White, 6 in.
- (44) Line, Multi-Component, Solid, Yellow, 4 In.
- (46) Transverse Marking, Thermoplastic, Stop Line, White 24 in.
- (46) Transverse Marking, Thermoplastic, Yield Line, White, 27 in.
- (47) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- (48) Line, Multi-Component, Dotted, White, 10 in. (3' Line, 3' Gap)
- (49) Line, Multi-Component, Dotted, Yellow, 6 in. (3' Line, 3' Gap)
- (50) Line, Multi-Component, Solid, White, 10 in.
- (51) Line, Multi-Component, Solid, Yellow, 10 in.
- Raised Pavement Marker, One-Way, White
- Raised Pavement Marker, Two-Way, Yellow/Red
- Raised Pavement Marker, Two-Way, White/Red

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

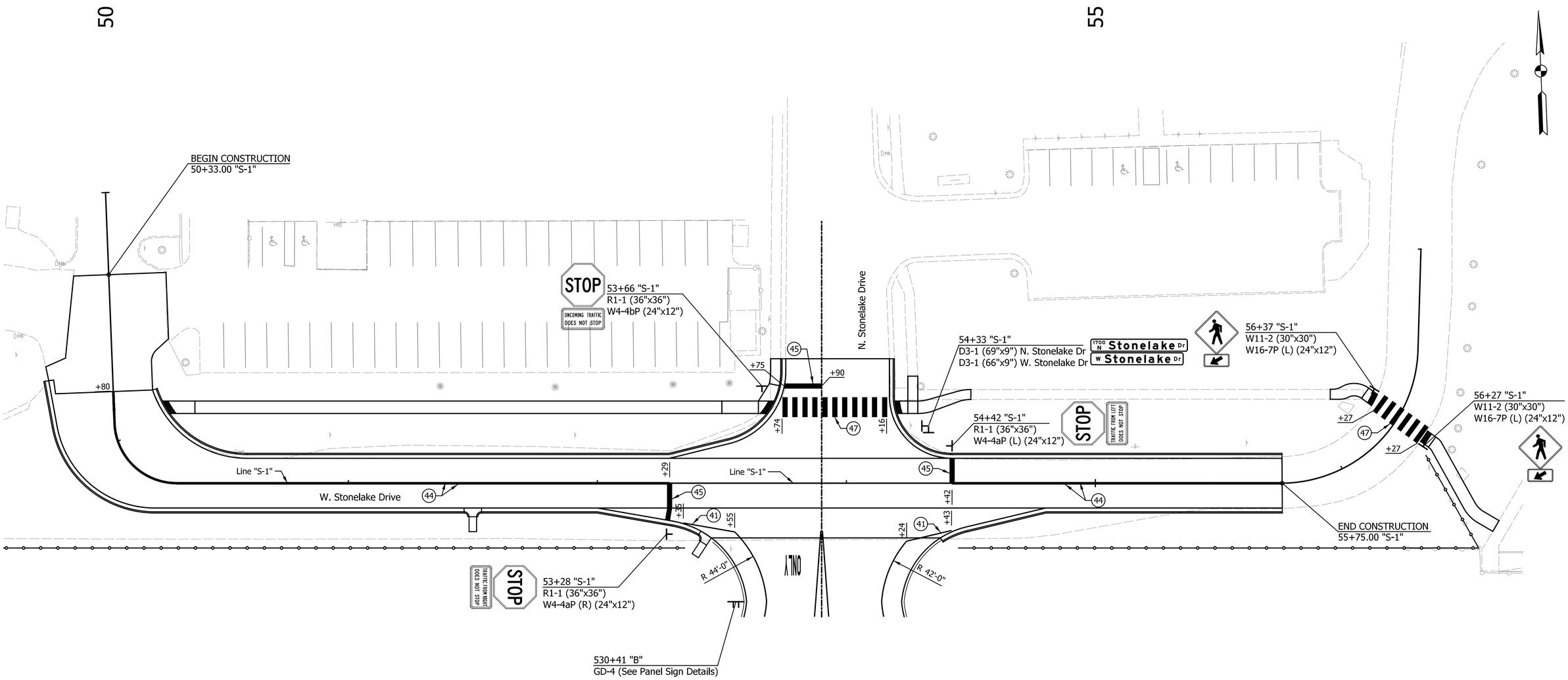
INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	78 of 131
CONTRACT	PROJECT
R-42426	1700198

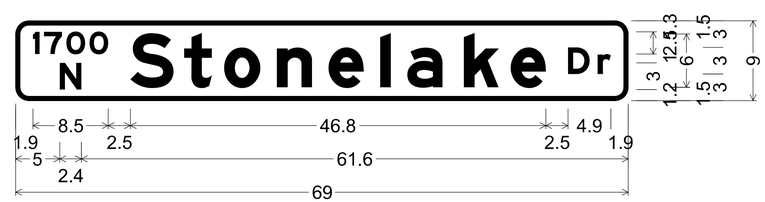
Indy-Pref.dftcfg
Indiana_Sheet6.tbl

Lmichalke 8/30/2023 2:46:12 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.PM.03.dgn

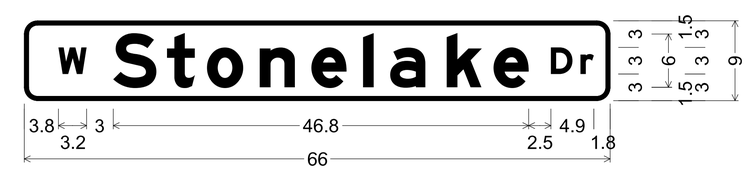


LEGEND

- Pavement Message Markings, Multi-Component, Lane Indication Arrow
- Pavement Message Markings, Multi-Component, Word (ONLY)
- (39) Transverse Marking, Thermoplastic, Crosshatch Line, White, 24 in.
- (40) Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 24 in.
- (41) Line, Multi-Component, Solid White 6 In.
- (42) Line, Multi-Component, Solid Yellow 6 In.
- (43) Line, Multi-Component, Broken, White, 6 in.
- (44) Line, Multi-Component, Solid, Yellow, 4 In.
- (46) Transverse Marking, Thermoplastic, Stop Line, White 24 in.
- (46) Transverse Marking, Thermoplastic, Yield Line, White, 27 in.
- (47) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- (48) Line, Multi-Component, Dotted, White, 10 in. (3' Line, 3' Gap)
- (49) Line, Multi-Component, Dotted, Yellow, 6 in. (3' Line, 3' Gap)
- (50) Line, Multi-Component, Solid, White, 10 in.
- (51) Line, Multi-Component, Solid, Yellow, 10 in.
- Raised Pavement Marker, One-Way, White
- Raised Pavement Marker, Two-Way, Yellow/Red
- Raised Pavement Marker, Two-Way, White/Red



1.5" Radius, 0.5" Border, White on Green;
"1700", E Mod 2K; "N", E Mod 2K; "Stonelake", E Mod 2K;
"Dr", E Mod 2K;



1.5" Radius, 0.5" Border, White on Green;
"W", E Mod 2K; "Stonelake", E Mod 2K; "Dr", E Mod 2K;

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC
CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING DETAILS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	79 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.dftcfg
Indiana_Shade.tbl

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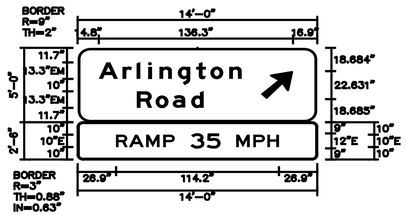
SIGN DETAIL

1:100



SIGN NUMBER	GD–1
WIDTH x HGHT.	14'–0" x 5'–0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/Black/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	128.4	18.7	18.3	28.7

Panel Style: guide_exp_advance_intermediate_IN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	r	l	l	n	g	t	o	n														EM 2000
14.8	31.4	41.3	49.3	57.3	70.2	83	93	106.2													100.2	13.3/10
R	o	a	d																			EM 2000
41.4	54.6	66.6	79.6																		46.9	13.3/10
R	A	M	P																			E 2000
26.9	36.1	48	60																		41.2	10
3	5																					E 2000
79.1	90.5																				21.1	12
M	P	H																				E 2000
111.2	123.2	133																			29.9	10

SIGN DETAIL

1:100

SIGN NUMBER	GD–2
WIDTH x HGHT.	11'–0" x 6'–6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

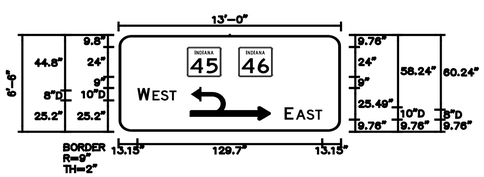
Panel Style: guide_exp_advance_intermediate_IN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
A	r	l	l	n	g	t	o	n														EM 2000
15.9	32.5	42.4	50.4	58.4	71.3	84.1	94.1	107.3													100.2	13.3/10
R	o	a	d																			EM 2000
42.5	55.7	67.7	80.7																		46.9	13.3/10
N	E	X	T		E	X	I	T														E 2000
27.3	38	46.9	56.7	64.2	74.2	83.1	93.8	97.3													77.5	10

SIGN DETAIL

1:100



SIGN NUMBER	GD–3
WIDTH x HGHT.	13'–0" x 6'–6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_J6	0	48	44.2	24	24
M1_J6	0	84	44.2	24	24
	0	50.6	9.8	55.8	25.5

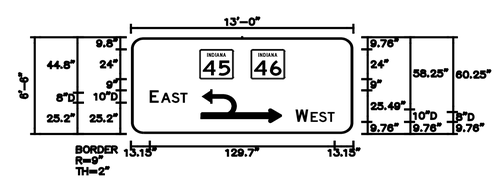
Panel Style: guide_exp_advance_intermediate_IN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
W	E	S	T																			D 2000
13.2	23.8	29.6	35.6																		27.5	10,8
E	A	S	T																			D 2000
116.4	124.4	131.8	137.9																		26.4	10,8

SIGN DETAIL

1:100



SIGN NUMBER	GD–4
WIDTH x HGHT.	13'–0" x 6'–6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_J6	0	48	44.2	24	24
M1_J6	0	84	44.2	24	24
	0	49.6	9.8	55.8	25.5

Panel Style: guide_exp_advance_intermediate_IN.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																					LENGTH	SERIES/SIZE
E	A	S	T																			D 2000
13.2	21.1	28.5	34.6																		26.4	10,8
W	E	S	T																			D 2000
115.4	126	131.8	137.9																		27.5	10,8

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

PANEL SIGN DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	80 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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SHEET SIGN & POST SUMMARY

SIGN								POST				
PLAN SHEET NO. / LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (SFT)			MOUNTED ON PANEL SIGN, AREA (SFT)	SQUARE				
								2" x 2" - 12 GA. (TYPE 2)			2 1/4" x 2 1/4" - 12 GA. (TYPE	
								REINFORCED ANCHOR			REINFORCED ANCHOR	
								POST LENGTH (FT)			POST LENGTH (FT)	
				0.080"	0.100"	0.125"	0.080"	1	2	TOTAL	1	TOTAL
Line "B"	518+50 LT	E5-1	72 x 60		30.00	30.00		12.5	12.5	25		
	523+00 RT	R3-5	30 x 36	7.50							10.50	11.50
		R3-5fP	30 x 12	2.50							1.00	
	524+27 RT	D3-1	57 x 12		4.75						8.50	8.50
	524+95 RT	R4-7	24 x 30	5.00							10.00	10.00
	525+39 RT	R3-2	36 x 36		9.00						10.50	13.50
		R1-1	36 x 36		9.00						3.00	
	525+50 M	R6-1	54 x 18		6.75						9.00	9.00
	530+00 M	R6-1	54 x 18		6.75						9.00	9.00
	530+31 LT	R3-2	36 x 36		9.00						10.50	13.50
		R1-1	36 x 36		9.00						3.00	
	530+75 LT	D3-1	60 x 12		5.00			8.5	8.5	17		
	530+75 RT	R4-7	24 x 30	5.00							10.00	10.00
	531+00 M	R3-5	30 x 36	7.50							10.50	11.50
		R3-5bP	30 x 12	2.50							1.00	
	532+50 LT	R3-5	30 x 36	7.50							10.50	11.50
		R3-5fP	30 x 12	2.50							1.00	
	533+50 M	R3-5	30 x 36	7.50							10.50	11.50
		R3-5bP	30 x 12	2.50							1.00	
Line "NER"	24+50 RT	W13-1P	18 x 18	2.25							9.00	12.00
		W1-2	36 x 36		9.00						3.00	
	25+75 RT	W1-8L	18 x 24	3.00							9.50	9.50
	26+75 RT	W1-8L	18 x 24	3.00							9.50	9.50
	27+75 LT	R5-1a	42 x 30		8.75						10.00	12.50
		W3-1	30 x 30	6.25							2.50	
	27+75 RT	R5-1a	42 x 30		8.75						10.00	12.50
		W3-1	30 x 30	6.25							2.50	
	29+50 LT	R1-1	36 x 36		9.00						10.50	16.50
		R5-1	36 x 36		9.00						3.00	
		R6-1	54 x 18		6.75						1.50	
		R6-1	54 x 18		6.75						1.50	

SHEET SIGN & POST SUMMARY

SIGN								POST				
PLAN SHEET NO. / LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (SFT)			MOUNTED ON PANEL SIGN, AREA (SFT)	SQUARE				
								2" x 2" - 12 GA. (TYPE 2)			2 1/4" x 2 1/4" - 12 GA. (TYPE	
								REINFORCED ANCHOR			REINFORCED ANCHOR	
								POST LENGTH (FT)			POST LENGTH (FT)	
				0.080"	0.100"	0.125"	0.080"	1	2	TOTAL	1	TOTAL
	29+75 RT	R1-1	36 x 36		9.00						10.50	16.50
		R5-1	36 x 36		9.00						3.00	
		R6-1	54 x 18		6.75						1.50	
		R6-1	54 x 18		6.75						1.50	
Line "S-1"	51+93 LT	R8-3	24 x 30									
	52+91 LT	R8-3	24 x 30									
	53+28 RT	R1-1	36 x 36		9.00						10.50	11.50
		W4-4aP	24 x 12	2.00							1.00	
	53+66 LT	R1-1	36 x 36		9.00						10.50	11.50
		W4-4bP	24 x 12	2.00							1.00	
	53+69 LT	R1-1	36 x 36									
	54+26 LT	D3-1	Exist.									
	54+42 LT	R1-1	36 x 36		9.00						10.50	11.50
		W4-4aP	24 x 12	2.00							1.00	
	55+61 LT	R8-3	24 x 30									
	56+27 RT	W11-2	30 x 30	6.25							10.00	11.00
		W16-7P	24 x 12	2.00							1.00	
	56+37 LT	W11-2	30 x 30	6.25							10.00	11.00
		W16-7P	24 x 12	2.00							1.00	
Line "S-SR46-A"	291+21 RT	W1-7	48 x 24		8.00			9.5	9.5	21.00		
		D3-1	60 x 12		5.00			1	1			
TOTAL				93.25	218.75	30.00		31.50	31.50	63.00	265.00	265.00

PANEL SIGN SUMMARY

LOCATION (STA.)	SIGN CODE	SIGN SIZE (ft x ft)	SIGN SUMMARY	POST LENGTH (ft)				W8 X 18	
				POST 1		POST 2			
			PANEL SIGN AREA (SFT)	POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH	STEEL (lb)	FOUNDATION TYPE B (EACH)
522+78 "B", Lt.	GD-1	14' x 5'	70.0	9.2	4	8.6	4	464.4	2
		14' x 2.5'	35.0						
529+50 "B", Lt.	GD-2	11' x 6.5'	71.5	7	4	6.8	4	392.4	2
525+23 "B", Rt.	GD-3	13' x 6.5'	84.5	7	4	7.5	4	405	2
530+41, "B", Lt.	GD-4	13' x 6.5'	84.5	7	4	7.5	4	405	2
TOTAL			**346**					**1667**	**8**

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	81 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION	LINE, MULTI-COMPONENT			LINE, MULTI-COMPONENT					TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS CROSSHATCH LINE		TRANSVERSE MARKINGS CROSSWALK LINE	PAVEMENT MESSAGE MULTI-COMPONENT LANE INDICATION ARROW	PAVEMENT MESSAGE MULTI-COMPONENT WORD "ONLY"	SNOWPLOWABLE RAISED PAVEMENT MARKERS, REMOVE	SNOWPLOWABLE RAISED PAVEMENT MARKERS	GROOVING FOR PAVEMENT MARKINGS
	SOLID YELLOW 4 in	SOLID WHITE 6 in	SOLID YELLOW 6 in	BROKEN WHITE 6 in	SOLID WHITE 10 in	SOLID YELLOW 10 in	DOTTED WHITE 10 in	DOTTED YELLOW 6 in	SOLID WHITE 24 in	SOLID WHITE 24 in	SOLID YELLOW 24 in	SOLID WHITE 24 in					
	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH	EACH	EACH
LINE "B"																	
512+55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
519+07		1304	1304	652											30	22	3,260
521+37		460	460	173	460					66					14	10	1,553
522+65		256	256	96			64								6	6	672
523+12		141	94	35	47		24						1		5	2	341
524+21		327	218	82	109								1	1	6	4	736
524+41		40	40	15	20											1	115
524+68		54		20	27	54											
525+36		136		51	68	136					94				7	3	391
525+70		34		26		68					42				1	1	128
526+26		112		42		112					68				2	2	266
526+69		86		22		86					43				1	1	194
526+75		12		3		12	3									1	30
526+80		10		3		5	3	3									23
527+07		54		14	27	27	14	14			10				1		149
527+78		142		36	71		36	36					1		4	2	320
529+86		416	416	104	208		104						1	1	13	6	1,248
530+00		28	28	7	14											1	77
530+38		76	76	19	38									1	2	1	209
531+17		79	158	40	158												
531+41		24	48	12	48								1		7	3	132
531+60		38	38	10	38								1		2	1	124
532+50		180	180	45	90									1	4	3	495
532+60		20	20	5			5									1	50
533+25		130	130	33	65		33						1		5	3	390
534+33		216	216	54	108					84				1	3	3	594
535+17		168	168	42	84		42			29			1		4	3	504
536+82		330	330	83	165		83							1	10	5	990
537+93		222		56	111		56	56					1		6	3	500
538+10		34		9	17			9								1	68
538+17		14		4	7	14										1	39
538+35		36		9		36										1	81
540+00		330	330	83												2	743
LINE "NER"																	
19+39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
21+69		460														2	460
27+47		578	578										2			5	1,156
29+40		386	193										2	2		5	579
30+08		162	78						51							2	240
LINE "S-1"																	
50+80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
53+29	498																498
53+74									15								
54+16									15			88					
54+42									10								
55+75	266																266
56+35												48					
N. Monroe St.		280	257						20	42			1	1			537
Stone Lake Dr.		206	192						20	47			1	1			398
Totals	764	7,581	5,808	1,879	1,980	550	464	116	131	268	257	136	15	10	133	107	18,551

PAVED SIDE DITCH & SODDING SUMMARY TABLE

FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	PAVED SIDE DITCH: ACTUAL LENGTH	PAVED SIDE DITCH: CUT-OFF WALLS (8 ft EQUIV LENGTH EA)	PAVED SIDE DITCH: LUGS (8 ft EQUIV LENGTH EA)	PAVED SIDE DITCH: TOTAL EQUIV. PAY LENGTHS TYPE: TYPE "A"	PAVED SIDE DITCH: TOTAL EQUIV. PAY LENGTHS TYPE: TYPE "D"	PAVED SIDE DITCH: TOTAL EQUIV. PAY LENGTHS TYPE: TYPE "H"	RIPRAP DITCH: REVETMENT RIPRAP	RIPRAP DITCH: GEOTEXTILE FOR RIPRAP, TYPE 1A	SODDING: FOR PAVED SIDE DITCH	SODDING: FOR DITCHES	SODDING: TOTAL SODDING	SEE SHEET NO.
					FT	EACH	EACH	FT	FT	FT	TONS	SYS	SYS	SYS	SYS	SYS
LINE "B"																
525+54.00	526+50.00			X	96									86.0	**86**	
526+50.00	529+50.00			X	330	2	3	370					858		**858**	
529+00.00	530+14.50	X			121									81.0	**81**	
531+29.00	533+00.00	X			180									120.0	**120**	
534+50.00	537+00.00	X			263	1	2		287				683.8		**684**	
537+00.00	539+50.00	X			275	1	2		299				715		**715**	
538+30.00	538+50.00	X			30	2	0		46				78		**78**	
LINE "NER"																
23+14.33	26+50.00			X	370	2	8			450			962		**962**	
24+25.00	25+00.00	X			79						53	71				
25+00.00	29+50.00	X			495						330	440				
27+00.00	30+08.00			X	339						226	302				
TOTALS								**370**	**632**	**450**	**609**	**813**	**3297**	**287**	**3584**	

DATE	REVISION

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INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	82 of 131
CONTRACT	PROJECT
R-42426	1700198

GUARDRAIL SUMMARY TABLE

LOCATION					MGS W-BEAM GUARDRAIL LENGTH					GUARDRAIL END TREATMENT TYPE OS	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL, REMOVE	IMPACT ATTENUATOR TYPE R2, W1, TL-3	IMPACT ATTENUATOR TYPE R1, W1, TL-3	REMARKS
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	STANDARD POST AT 6 FT 3 IN. SPA.	HEIGHT TRANSITION	GUARDRAIL TRANSITION WITH CURB	GUARDRAIL TRANSITION WITHOUT CURB	CABLE TERMINAL ANCHOR		TERMINAL SYSTEM		CONNECTOR SYSTEM					
					LFT	EACH	EACH	EACH	EACH	EACH	TYPE	EACH	TYPE	EACH	LFT	EACH	EACH	
LINE "B"																		
524+50.0	525+78.0	X			37.5		1			1								
526+55.0	526+77.0		X													1		
526+85.0	527+07.0			X													1	
527+78.0	528+00.0		X													1		
537+05.0	537+27.0		X													1		
524+40.0	526+72.0	X													287.0			Along Stonelake Drive
LINE "NER"																		
25+04.0	25+74.0			X	12.5			1	1									
28+43.0	29+62.2	X				1				1			2	1	42.0			
TOTALS					**50.0**	**1**	**1**	**1**	**1**	**2**				**1**	**329.0**	**3**	**1**	

FENCE TABLE

LOCATION				FENCE			REMARKS
FROM STATION	TO STATION	LEFT	RIGHT	FENCE, FARM FIELD, REMOVE	FENCE, CHAIN LINK, REMOVE	CHAIN LINK, FENCE, 48"	
				LFT	LFT	LFT	
LINE "B"							
524+65.00	530+20.00	X				555	
531+30.00	533+39.00	X				209	
533+00.65	533+39.26	X			39		
533+17.73	533+39.26	X				43	Tie Into Existing Fence
533+17.73	533+39.26	X			43		
LINE "NER"							
24+08.09	29+59.70	X	X	550			Tie Into Existing Fence
20+43.57	29+95.00		X			983	
TOTALS				**550.0**	**82.0**	**1790.0**	

MONUMENT TABLE

LOCATION	TYPE				SECTION CORNER
	A	B	C	D	
Line "NER"					
P.O.T. 17+64.50		X			
P.C. 19+67.56		X			
P.I. 21+37.57		X			
P.C. 25+60.19		X			
P.I. 26+33.12		X			
P.T. 27+05.12		X			
End Ramp Construction 29+95.48		X			
P.O.T. 30+08.04		X			
TOTALS		8			

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INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	83 of 131
CONTRACT	PROJECT
R-42426	1700198

SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE		EXCAVATION		CLEAR / OBSTRUCTION FREE ZONE AT DRIVE	HMA FOR APPROACHES, TYPE B			HMA MATERIALS					SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE IC	SUBGRADE TREATMENT, TYPE IBC	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53		REMARKS
						COMPACTED AGGREGATE BASE	HMA	CONCRETE									3, 70, SURFACE 9.5mm	3, 70, INTERMD. 19.0 mm	3, 64, BASE 19.0 mm	3, 64, BASE 19.0 mm	4, 76, INTERMEDIATE, 19.0 mm - OG				PRIME COAT	TACK COAT			
														LBS. PER SYD.			LBS. PER SYD.										DEPTH		
		"W"	"L"	"R"					1	2	CYS.			220	275	385	220	275	385	440	250						3.5 IN.	3 IN.	
		ft.	ft.	ft.	ft.	SYS.	SYS.		%	%	CUT	FILL	FT	TONS	TONS	TONS	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	SYS.	
LINE "B"	S.R. 45/46																												
																	13596.1	13657.2	2618.5	28283.7	14638.0		3562.2	13122.0			13871.9		
LINE "NER"	Ramp																												
																	2970.6	3019.0	3083.7	3164.4	3231.9		3711.7				3294.1		
N. MONROE ST.																													
524+93, Rt.	Public Road Approach	136	104.6	50.00					-1.8				20	89.0	111.3	155.8						155.8				356.0		89.0	
STONE LAKE DR.																													
530+75, Lt.	Public Road Approach	128	66.3	40.0					-0.7				20	63.6	79.5	111.3						111.3				254.4		63.6	
														153.0	**191.0**	**267.0**	**16566.7**	**16676.3**	**5702.2**	**31448.1**	**17869.9**	**267.1**	**7273.9**	**13122**	**0.0**	**610.5**	**17166.0**	**152.6**	

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INDIANA
DEPARTMENT OF TRANSPORTATION

APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	84 of 131
CONTRACT	PROJECT
R-42426	1700198

UNDERDRAIN TABLE

UNDERDRAIN PIPE									OUTLET PIPE						OUTLET PROTECTORS						
UNDERDRAIN PIPE LIMITS	TYPE 4 PIPE, 6 IN.	GEOTEXTILES FOR UNDERDRAINS	AGREGATE FOR UNDERDRAINS	SPECIAL GRADE	FLOW ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED	CONNECT UNDERDRAIN PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	45 DEGREE ELBOWS REQUIRED (1 OR 2)	6 IN OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	DITCH FLOW LINE ELEVATION	STRUCTURE BACKFILL	OUTLET PROTECTOR NO.____	OUTLET PROTECTOR TYPE	LOCATION				REMARKS
																	OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	
	FT.	SYS.	CYS.	(%)		(Y/N)				LFT.				CYS.							
Line "B" C.L.																					
512+55.0	153.1	122.5	13.8	0.40%	820.72																Begin Median Underdrain
514+08.1					820.11		51	819.72													
514+11.9	323.1	258.5	29.1		819.87																
517+35.1					813.35		53	810.95													
517+39.0	324.1	259.3	29.2		813.21																
520+63.1					806.79		55	804.85													
520+67.0	351.1	280.9	31.6		806.71																
524+18.1					801.76		57	799.27													
524+22.0	226.2	180.9	20.4		801.72																
526+48.1					799.82		61-A	799.45													
526+51.0	147.1	117.7	13.2	0.72%	799.78																
527+98.1					798.73		61	798.25													
528+01.9	346.2	276.9	31.2		798.19																
531+48.1					794.23		65	794.00													
531+51.9	196.2	156.9	17.7	1.74%	794.16																
533+48.1					790.74		68	790.50													
533+51.9	196.2	156.9	17.7	2.56%	790.69																
535+48.1					785.67		69-B	785.15													
535+51.0	97.1	77.7	8.7	2.38%	785.32																
536+48.1					783.01		70	782.75													End Median Underdrain
Line "B" Lt.																					
524+50.0	300.0	240.0	27.0	0.63%	800.87	N															
527+50.0					798.97	Y			1	33	527+50.0	798.94	798.66	4.6	OP1	1	X				
527+50.0	450.0	360.0	40.5	1.29%	798.97	N															
532+00.0					793.17	Y			1	14.5	532+00.0	793.13	793.01	2.3	OP2	1	X				
532+00.0	350.0	280.0	31.5	2.29%	793.17	N															
535+50.0					785.16	Y			1	15	535+50.0	785.12	784.89	2.4	OP3	1	X				
535+50.0	285.0	228.0	25.7	2.83%	784.91	N															
538+35.0					776.85	Y			1	21	538+35.0	776.79	768.92	3.2	OP4	1	X				
Line "B" Rt.																					
521+65.0	235.0	188.0	21.2		804.92	N															
524+00.0					801.82	Y			1	9	524+00.0	801.79	791.34	1.6	OP5	1				X	
524+00.0	250.0	200.0	22.5		801.96	N															
526+50.0					799.33	Y			1	9	526+50.0	799.30	798.77	1.6	OP6	1				X	

UNDERDRAIN TABLE

UNDERDRAIN PIPE									OUTLET PIPE						OUTLET PROTECTORS						
UNDERDRAIN PIPE LIMITS	TYPE 4 PIPE, 6 IN.	GEOTEXTILES FOR UNDERDRAINS	AGREGATE FOR UNDERDRAINS	SPECIAL GRADE	FLOW ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED	CONNECT UNDERDRAIN PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	45 DEGREE ELBOWS REQUIRED (1 OR 2)	6 IN OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	DITCH FLOW LINE ELEVATION	STRUCTURE BACKFILL	OUTLET PROTECTOR NO.____	OUTLET PROTECTOR TYPE	LOCATION				REMARKS
																	OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT	
	FT.	SYS.	CYS.	(%)		(Y/N)				LFT.				CYS.							
Line "NER" Lt.																					
29+40.0	390.0	312.0	35.1		841.93	N															
25+50.0					822.20	Y			1	18.3	25+50.0	822.15	814.09	3.3	OP7	1	X				
25+50.0	200.0	160.0	18.0	4.19%	822.20	N															
23+50.0					813.82	Y			1	25.4	23+50.0	813.74	813.44	3.6	OP8	1	X				
Line "NER" Rt.																					
29+40.0	390.0	312.0	35.1		841.93	N															
25+50.0					823.09	Y			1	12.3	25+50.0	823.05	819.80	1.8	OP9	1				X	
Line "S-1" Lt.																					
51+37.5	187.5	150.0	16.9	0.30%	795.74																
53+25.0					795.17		201	795.17													
53+25.0	120.0	96.0	10.8	0.77%	795.67		201	795.17													
54+45.0					794.74		205	794.18													
54+45.0	125.0	100.0	11.3	0.30%	795.03		205	794.18													
55+70.0					794.66		207	794.66													
Line "S-1" Rt.																					
51+37.5	307.5	246.0	27.7		796.82																
54+45.0					794.74		206	794.09													
54+45.0	125.0	100.0	11.3	0.30%	794.84		206	794.09													
55+70.0					794.46		208	794.46													
Totals	**6076.0**	**4861.0**	**547.0**							**158.0**				**25.0**		**9**					

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INDIANA
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	85 of 131
CONTRACT	PROJECT
R-42426	1700198

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION		LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	REVETMENT RIPRAP	SCOUR PROTECTION				CONCRETE, CLASS A, FOR STRUCTURES	VIDEO INSPECTION	PIPE END SECTION	PIPE ANCHOR	GRATED BOX END SECTION						CULVERT ASSET ID
	STATION	LEFT	RIGHT	CROSS	OFFSET		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE			COVER	UP STREAM	DOWN STREAM											SUMP DEPTH	GEOTEXTILE	REVETMENT RIPRAP	CLASS 2 RIPRAP										
					FT	IN			LFT		FT	ELEV.	ELEV.	YR.				CYS		CYS		SYS	TON	IN	SYS	TYPE	TONS	CYS	LFT	EA	EA	TYPE	SLOPE	EA	SLOPE	EA		
Line "B"																																						
50	514+10.0	x			3.0	12	2	Inlet HA-5 (With Slotted Drain)	3		0.6	819.77	819.72	75	N/A	7.0	3	0.5	2																		51	
51	514+10.0		x		3.0	15	2	Inlet HA-5 (With Slotted Drain)	322		0.5	819.72	812.95	75	N/A	7.0	1	60.3	2																		53	
52	517+37.0	x			3.0	12	2	Inlet HA-5	3		1.2	813.20	812.95	75	N/A	7.0	3	0.7	2																		53	
53	517+37.0		x		4.5	18	2	Modified Manhole J-5	322		2.5	810.95	804.85	75	N/A	7.0	1	154.0	2																		55	
54	520+65.0	x			3.0	12	2	Inlet HA-5	3		1.0	806.90	806.80	75	N/A	7.0	3	0.6	2																		55	
55	520+65.0		x		4.5	24	2	Modified Manhole J-5	349		2.0	804.85	799.27	75	N/A	7.0	1	178.1	2																		57	
56	524+20.0	x			3.0	12	2	Inlet HA-5 (With Slotted Drain)	3		1.0	801.60	801.50	75	N/A	7.0	3	0.7	2																		57	
57	524+20.0		x		4.5	24	2	Modified Manhole J-5 (With Slotted Drain)	68		1.4	799.27	798.50	75	N/A	7.0	1	31.4	2						35.0	17.8				1							Outlet	
58	524+25.0	x			57.8	15	2	Inlet HA-5	11		1.5	800.32	800.26	75	N/A	7.0	1	3.1	2						7.0	2.1				1							Outlet	
59	524+98.7		x		93.0	18	1	Pipe	110		6.5	796.93	793.00	75	N/A	7.0	2	116.3	2						9.0	3.0				2								
60								Deleted																														
61-A	526+50.0		x		1.5	15	2	Inlet HA-5	76		0.5	799.45	798.95	77	N/A	7.0	3	26.3	2						24.0	11.1				1							Outlet	
61-B	526+50.0		x		7.5	12	2	Inlet HA-5	3		0.8	799.50	799.45	79	N/A	7.0	3	1.1	2																		61-A	
61	528+00.0		x		7.5	12	2	Inlet HA-5	3		0.9	798.25	798.20	75	N/A	7.0	3	0.6	2																		62	
62	528+00.0		x		1.5	15	2	Inlet HA-5	346		1.3	797.50	793.25	75	N/A	7.0	1	87.1	2																		66	
63								Deleted																														
64	530+71.8	x			71.7	15	1	Pipe	115		1.5	795.43	792.93	75	N/A	7.0	2	31.2	2						13.0	4.2				2								
65	531+50.0		x		7.5	12	2	Inlet HA-5	3		1.0	794.00	793.90	75	N/A	7.0	3	0.6	2																		66	
66	531+50.0		x		1.5	18	2	Inlet HA-5	76		1.2	793.10	792.50	75	N/A	7.0	1	21.7	2						7.0	2.1				1							Outlet	
67	533+75.0	x			67.7	34 x 22	3	Deformed Pipe (Min. Area = 4.1 sq. ft.)	150	1° 14'	0.8	791.75	788.40	75	N/A	7.0	2	65.2	2													I	4:1	2				
68	533+50.0	x			7.5	12	2	Inlet HA-5	3		0.8	790.50	790.25	75	N/A	7.0	3	0.6	2																		69	
69	533+50.0	x			1.5	15	2	Inlet HA-5	196		1.2	790.00	784.85	75	N/A	7.0	1	47.4	2																		69-A	
69-A	535+50.0	x			2.3	15	2	Inlet HA-5	96		1.1	784.85	782.25	75	N/A	7.0	1	39.7	2																		71	
69-B	535+50.0	x			8.2	12	2	Inlet HA-5	3		1.2	785.15	785.09	75	N/A	7.0	1	1.2	2																		69-A	
70	536+50.0	x			2.3	12	2	Inlet HA-5	3		0.7	782.75	782.50	75	N/A	7.0	1	0.6	2																		71	
71	536+50.0	x			8.2	15	2	Inlet HA-5	70		0.8	782.25	781.05	75	N/A	7.0	1	14.0	2															3:1	1	Outlet	
Line "NER"																																						
100-A	25+25.0	x			25.7	48	2	Pipe	86		4.8	810.50	809.25	75	N/A	7.0	1	164.3	2												1						100-B	CV-045-053-38.30
100-B	25+25.0		x		20.5	48	2	Manhole K-4	118		3.0	806.75	798.00	75	N/A	7.0	1	324.5	2																		100-C	CV-045-053-38.30
100-C	24+00.0		x		20.5	48	2	Manhole K-4	43		3.0	789.50	786.00	75	N/A	7.0	1	113.9	2																		100-D	CV-045-053-38.30
100-D	23+50.0		x		20.5	48	2	Manhole K-4	46		6.8	775.50	774.00	75	N/A	7.0	1	114.7	2						111.0	23.2	69.5				1						Outlet	CV-045-053-38.30
101	21+00.0		x		7.8	15	2	Inlet HA-5	6		3.1	806.71	806.67	75	N/A	7.0	1	2.9	2						10.0	3.7											Outlet	

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INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	86 of 131
CONTRACT	PROJECT
R-42426	1700198

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Indiana_Sheet.tbl

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION			LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	REVETMENT RIPRAP	SCOUR PROTECTION				CONCRETE, CLASS A, FOR STRUCTURES	VIDEO INSPECTION	PIPE END SECTION	PIPE ANCHOR	GRATED BOX END SECTION						CULVERT ASSET ID
	STATION	LEFT	RIGHT	CROSS	OFFSET		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE			COVER	UP STREAM	DOWN STREAM											SUMP DEPTH	GEOTEXTILE	REVETMENT RIPRAP	CLASS 2 RIPRAP											
					FT	IN			LFT		FT	ELEV.	ELEV.	YR.				CYS		CYS		SYS	TON	IN	SYS	TYPE	TONS	CYS	LFT	EA	EA	TYPE	SLOPE	EA	SLOPE	EA		
Line "S-1"																																							
200	52+50.0		x					Curb Turnout, 3ft.																	8.0	2.7												
201	53+25.0	x				12	2	Inlet J-10	116		2.4	795.17	794.18	75	N/A	7.0	1	43.1	2																		205	
202	53+43.5		x					Curb Turnout, 3ft.																	35.0	7.5												
203	53+73.7	x			47.5	12	2	Inlet J-10	41		0.7	794.44	794.31	75	N/A	7.0	1	6.2	2																		204	
204	54+19.3	x			47.5	12	2	Inlet J-10	43		0.8	794.31	794.18	75	N/A	7.0	1	12.1	2																		205	
205	54+45.0	x				12	2	Inlet J-10 Mod.	28		2.9	794.18	794.09	75	N/A	7.0	1	11.3	2																		206	
206	54+45.0		x		20.6	15	2	Inlet J-10 Mod.	30		1.0	794.09	794.00	75	N/A	7.0	1	9.4	2											1							Outlet	
207	55+70.0	x				12	2	Inlet J-10	19		2.2	794.65	794.46	75	N/A	7.0	1	6.1	2																		208	
208	55+70.0		x			12	2	Inlet J-10	122		2.4	794.46	794.09	75	N/A	7.0	1	44.5	2																		206	
Existing Structures																																							
300	514+09.0	x			13.6	12		Existing Inlet	28																														
301	514+09.0		x		14.0	12		Existing Inlet	61																														
302	517+36.8	x			13.6	12		Existing Inlet	28																														
303	517+36.8		x		13.8	12		Existing Inlet	61																														
304	520+65.0	x			13.4	12		Existing Inlet	28																														
305	520+65.0		x		13.9	12		Existing Inlet	54																														
306	524+23.6	x			11.7	15		Existing Inlet	8																														
307	524+25.0	x			3.7	15		Existing Inlet	70																														
309	530+50.3		x		8.1	15		Existing Inlet	164																														
310	530+50.2		x		0.4	15		Existing Inlet	8																														
311	532+14.4		x		8.5	15		Existing Inlet	128																														
312	533+41.6		x		8.0	15		Existing Inlet	86																														
313	534+27.7		x		6.8	15		Existing Inlet	221																														
314	536+48.6	x			0.6	15		Existing Manhole	61																														
315	536+73.7		x		5.7	12		Existing Inlet	126																														
316	537+99.5		x		1.3	12		Existing Manhole	63																														

DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	87 of 131
CONTRACT	PROJECT
R-42426	1700198

			STRUCTURE NUMBER																																			
			50	51	52	53	54	55	56	57	58	59	61-A	61-B	61	62	64	65	66	67	68	69	69-A	69-B	70	71	100-A	100-B	100-C	100-D	101	201	203	204	205	206	207	208
	PIPE TYPE / SHAPE (CIR or DEF)		2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	1 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR	2 / CIR
INT. DES.	SMOOTH PIPE SIZE		12	15	12	18	12	24	12	24	15	18	15	12	12	15	15	12	18	34 x 22	12	15	15	12	12	15	48	48	48	48	15	12	12	12	12	15	12	12
INT. DES.	CORRUGATED PIPE SIZE		--	15	--	18	--	24	--	24	15	18	15	--	--	15	15	--	18	--	--	15	15	--	--	15	48	48	48	48	15	--	--	--	--	--	--	--
INT. DES.	SEMI-SMOOTH PIPE SIZE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CONC.	RCP/RCHEP (S)	CLASS	III	III	II	II	II	II	II	II	II	II	III	III	III	II	II	II	II	HE-A	III	II	II	II	III	III	II	II	II	II	II	III	III	II	II	II	II	II
CONC.	RCP/RCHEP (S)	D 0.01 RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	600	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
CONC.	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)					OK		OK			OK	OK					OK		OK												OK	OK			OK		OK	OK
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*					OK		OK				OK															OK	OK	OK	OK	OK	OK			OK		OK	OK
PLASTIC PIPE	PROFILE WALL (RIBBED) PE PIPE (S)*					OK		OK				OK																				OK			OK		OK	OK
PLASTIC PIPE	PROFILE WALL (CLOSED) PE PIPE (S)*					OK		OK				OK															OK			OK		OK			OK		OK	OK
PLASTIC PIPE	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR					OK / 26		OK / 26				OK / 26																			OK / 26	OK / 26			OK / 26		OK / 26	OK / 26
PLASTIC PIPE	CORRUGATED PP PIPE (S)					OK		OK				OK															OK			OK	OK	OK			OK		OK	OK
PLASTIC PIPE	PROFILE WALL PVC PIPE (S)					OK		OK				OK															OK	OK	OK	OK	OK	OK			OK		OK	OK
PLASTIC PIPE	SMOOTH WALL PVC PIPE (S)*					OK		OK				OK																			OK	OK			OK		OK	OK
CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)				OK	OK		OK		OK	OK	OK					OK		OK			OK	OK	OK							OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR.PROFILE		LS / RIV		LS / RIV		LS / RIV		LS / RIV	LS / RIV		LS / RIV			LS / RIV			LS / RIV			LS / RIV	LS / RIV			LS / RIV	LS / RIV	LS / RIV	LS / RIV	LS / RIV	LS / RIV							
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	THICKNESS		0.109		0.109		0.109		0.109	0.109		0.109			0.109			0.109			0.109	0.109			0.109	0.109	0.109	0.109	0.109	0.109							
CORRUGATED STEEL PIPE / PIPE-ARCH	ZINC COATED (C)	CORR. PROFILE																																				
CORRUGATED STEEL PIPE / PIPE-ARCH	ZINC COATED (C)	THICKNESS																																				
CORRUGATED STEEL PIPE / PIPE-ARCH	ZINC COATED W/ BPI (C)	CORR. PROFILE										LS / RIV					LS / RIV																					
CORRUGATED STEEL PIPE / PIPE-ARCH	ZINC COATED W/ BPI (C)	THICKNESS										0.109					0.109																					
CORRUGATED STEEL PIPE / PIPE-ARCH	ALUM. COATED TYPE 2 (C)	CORR. PROFILE										LS / RIV					LS / RIV																					
CORRUGATED STEEL PIPE / PIPE-ARCH	ALUM. COATED TYPE 2 (C)	THICKNESS										0.109					0.109																					
CORRUGATED STEEL PIPE / PIPE-ARCH	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE										LS / RIV					LS / RIV																					
CORRUGATED STEEL PIPE / PIPE-ARCH	POLYMER PRECOATED GALVANIZED (C)	THICKNESS										0.109					0.109																					
CORRUGATED STEEL PIPE / PIPE-ARCH	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																									LS	LS	LS	LS								
CORRUGATED STEEL PIPE / PIPE-ARCH	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	THICKNESS																									0.109	0.109	0.109	0.109								
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE										LS / RIV					LS / RIV																					
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)	THICKNESS										0.06					0.06																					
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE																																				
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY W/ BPI (C)	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
RIV	Riveted

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

** Tabulated

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

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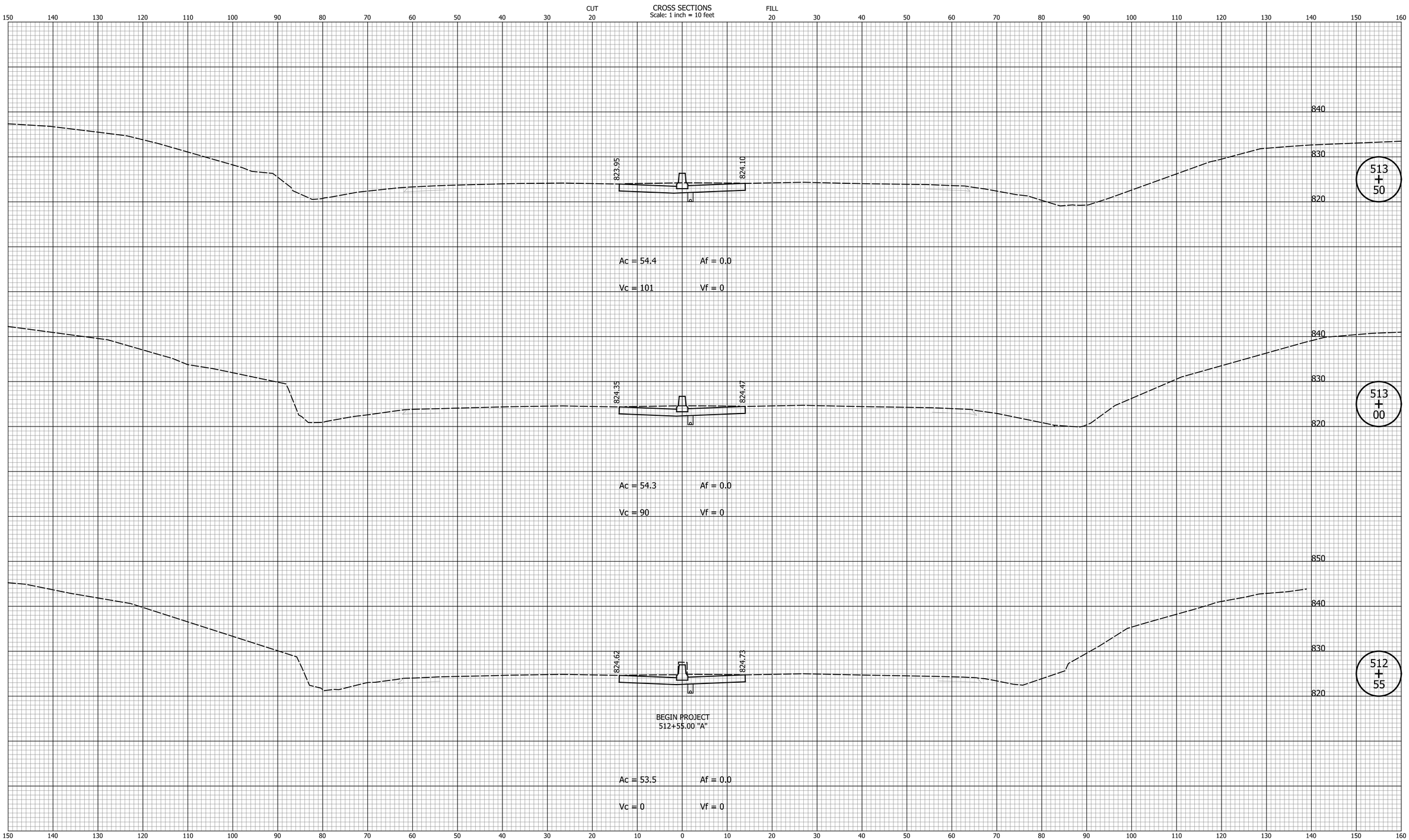
INDIANA
DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL SHEET

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700198
SURVEY BOOK	SHEETS
N/A	88 of 131
CONTRACT	PROJECT
R-42426	1700198



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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	89 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot.pltcfg
Indiana_Shade.tbl

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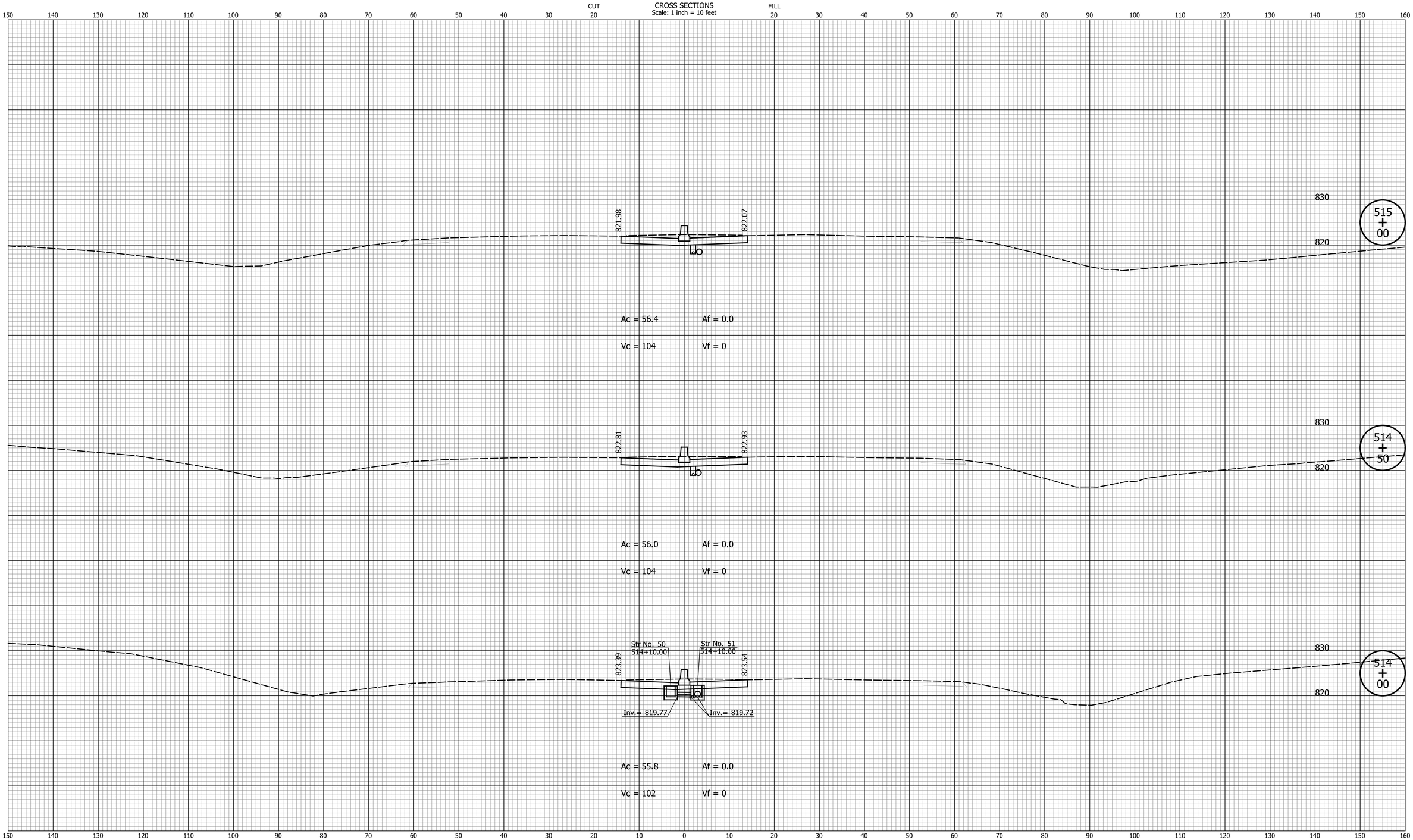

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INDIANA
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LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
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SURVEY BOOK	SHEETS
N/A	90 of 131
CONTRACT	PROJECT
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Indy-Prof.pltcfg
Indiana_Shade.tbl

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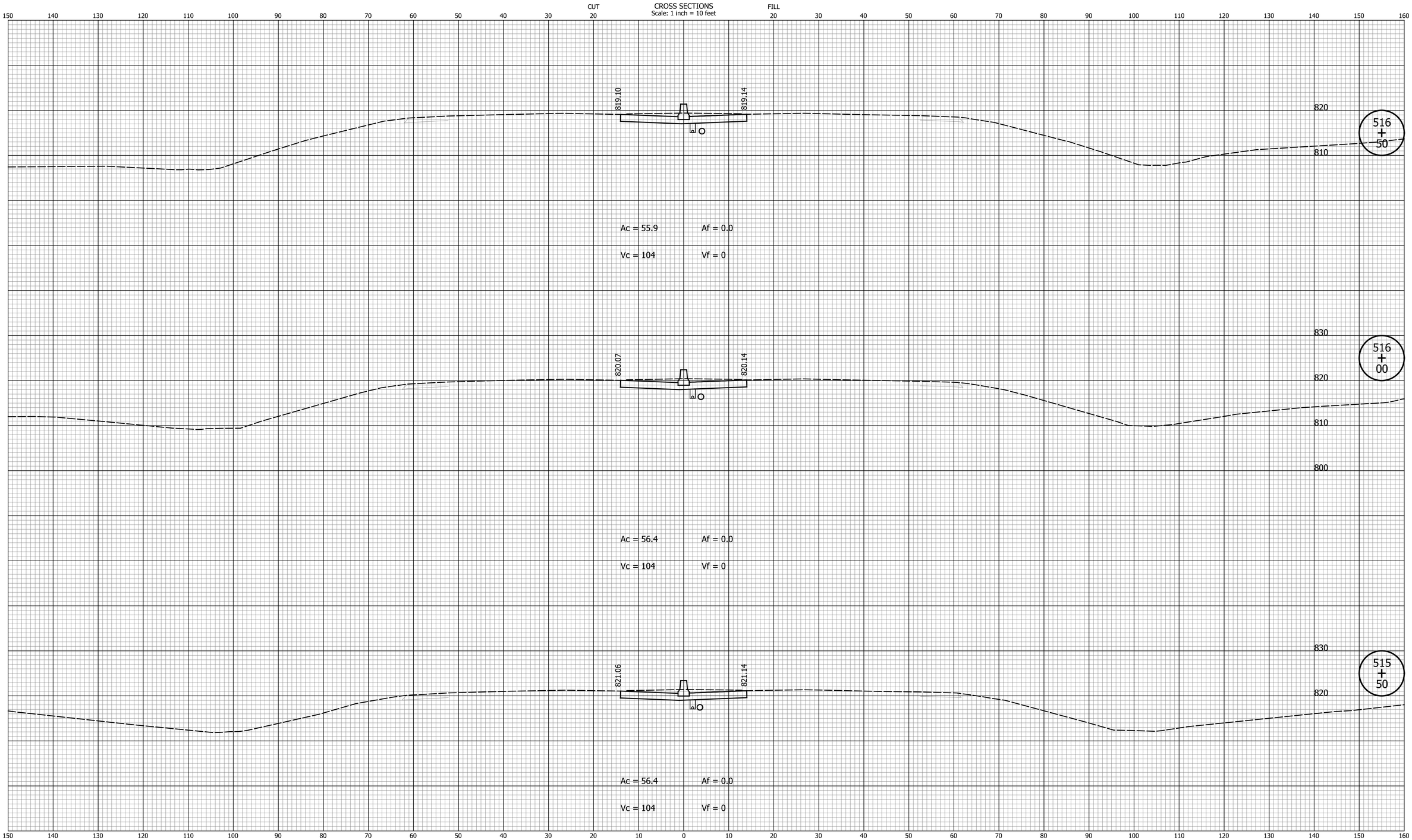

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LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	91 of 131
CONTRACT	PROJECT
R-42426	1700198

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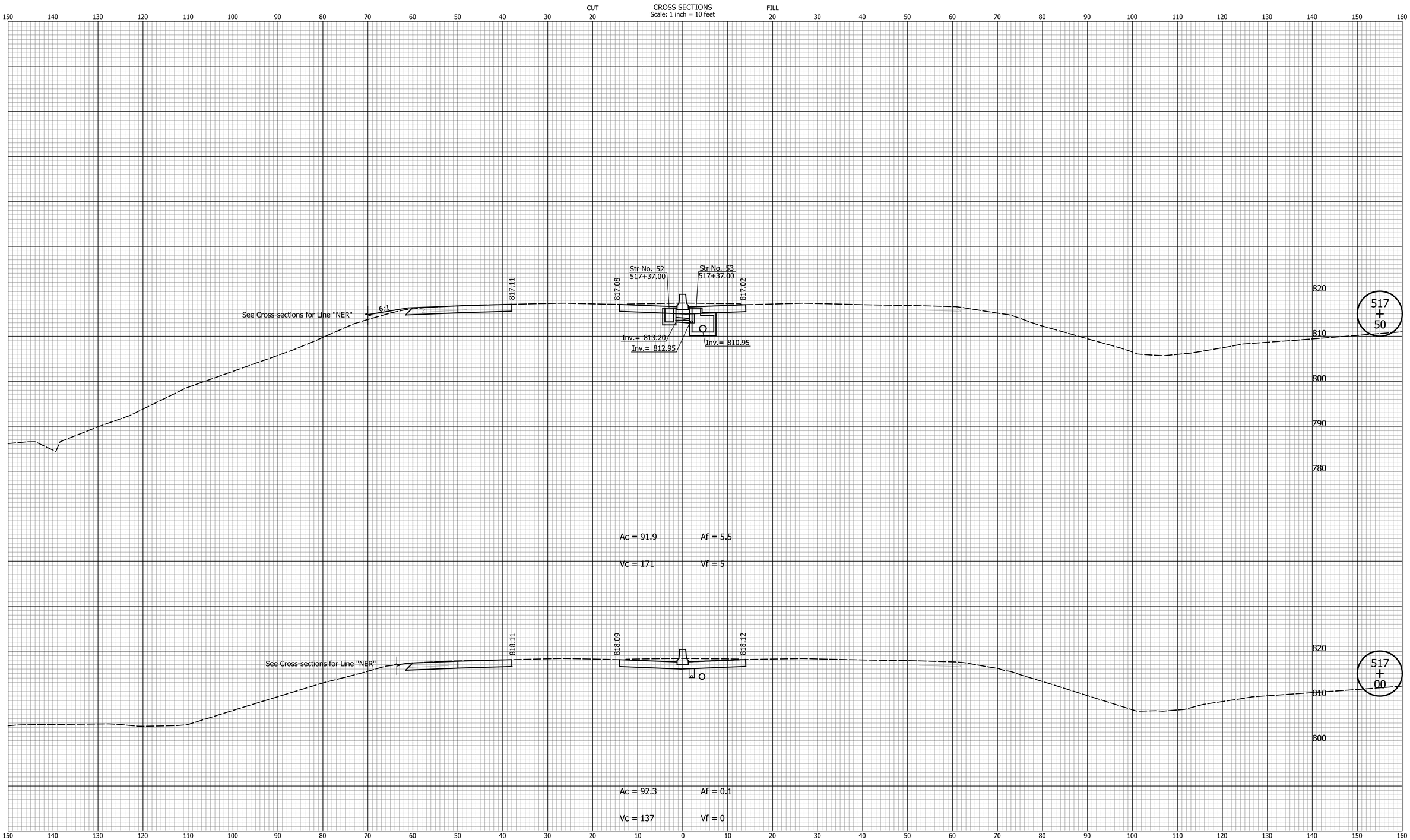

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DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	92 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot_altcfg
Indiana_Shade.tbl

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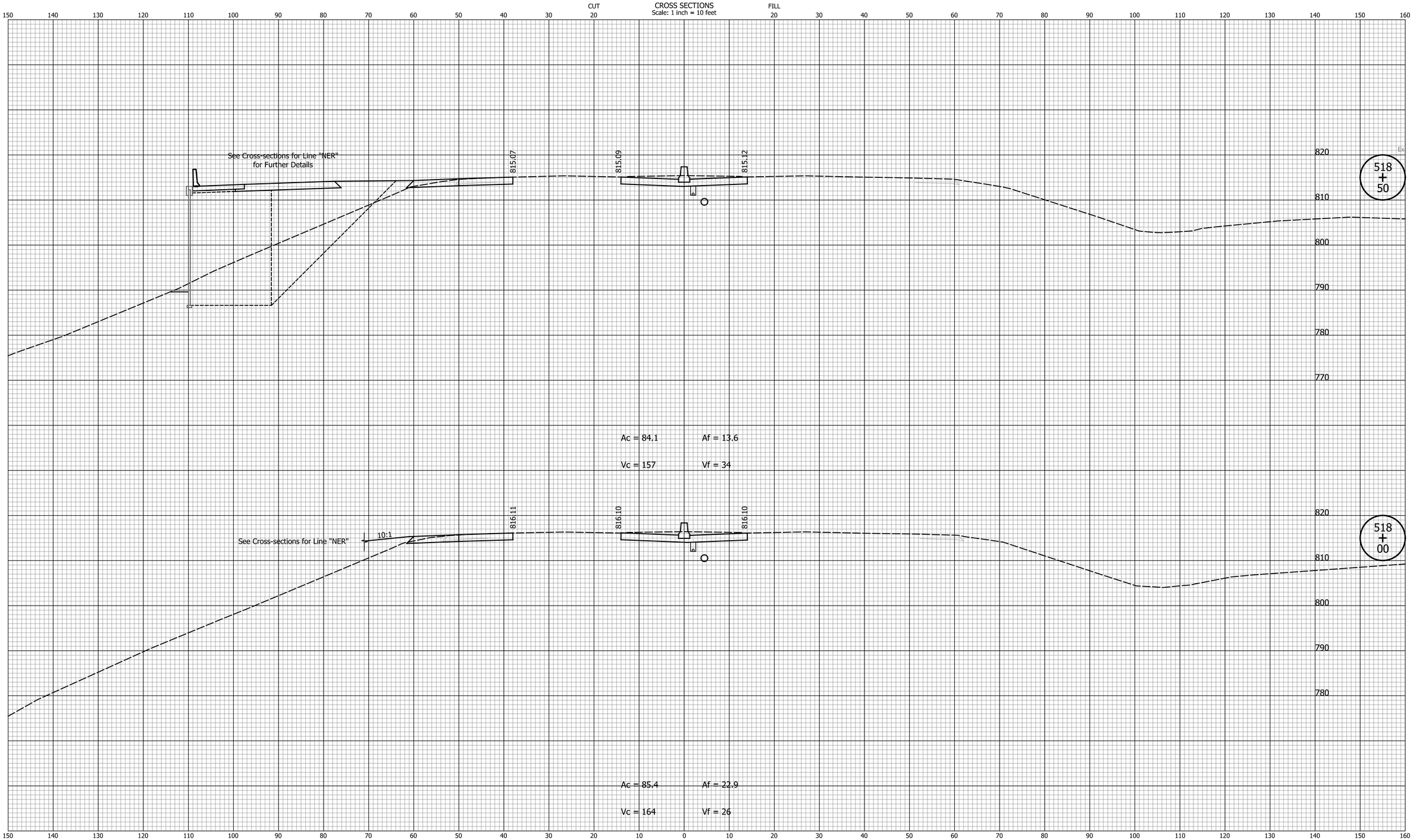
CROSS SECTIONS
Scale: 1 inch = 10 feet



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N/A	93 of 131
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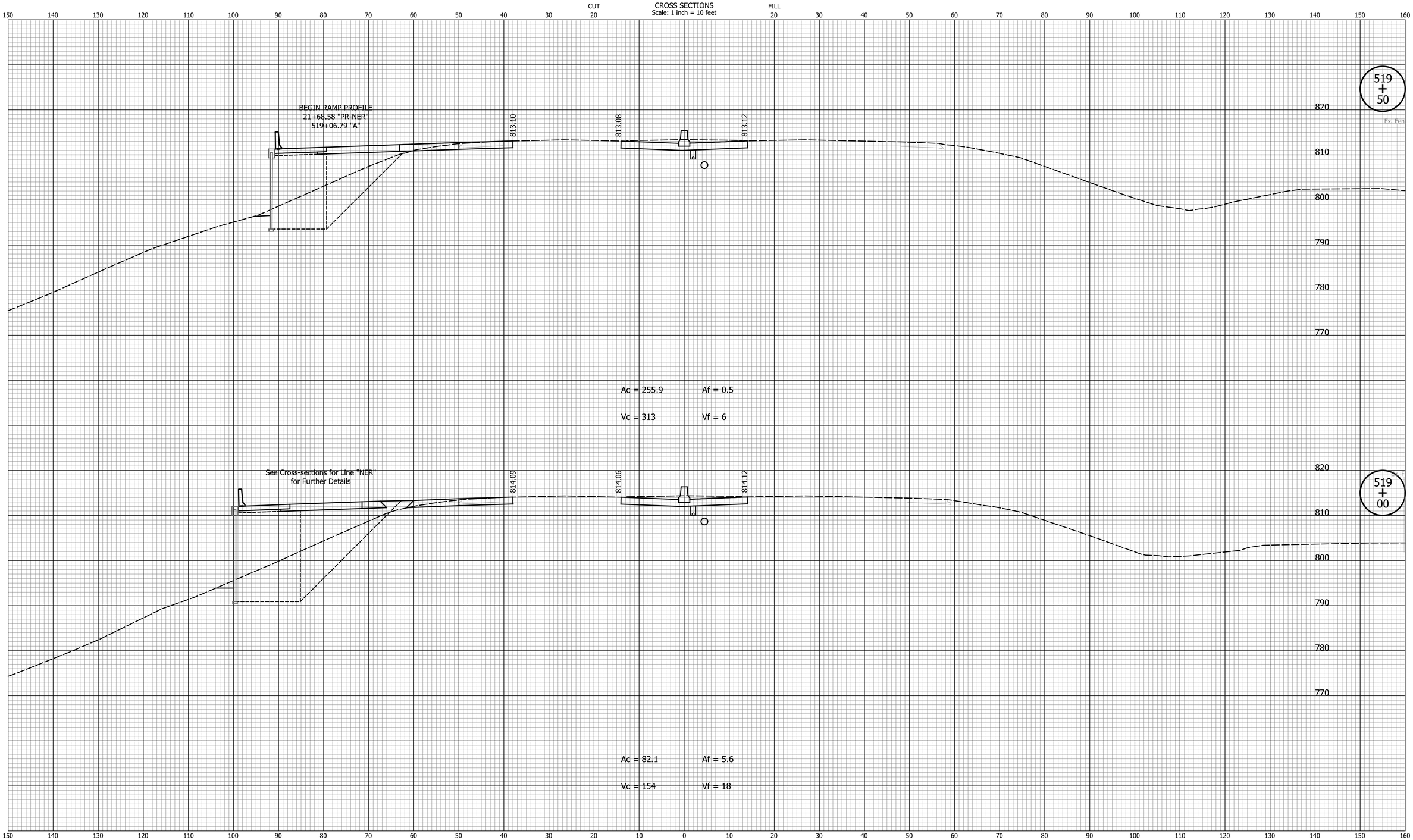

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N/A	94 of 131
CONTRACT	PROJECT
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CROSS SECTIONS
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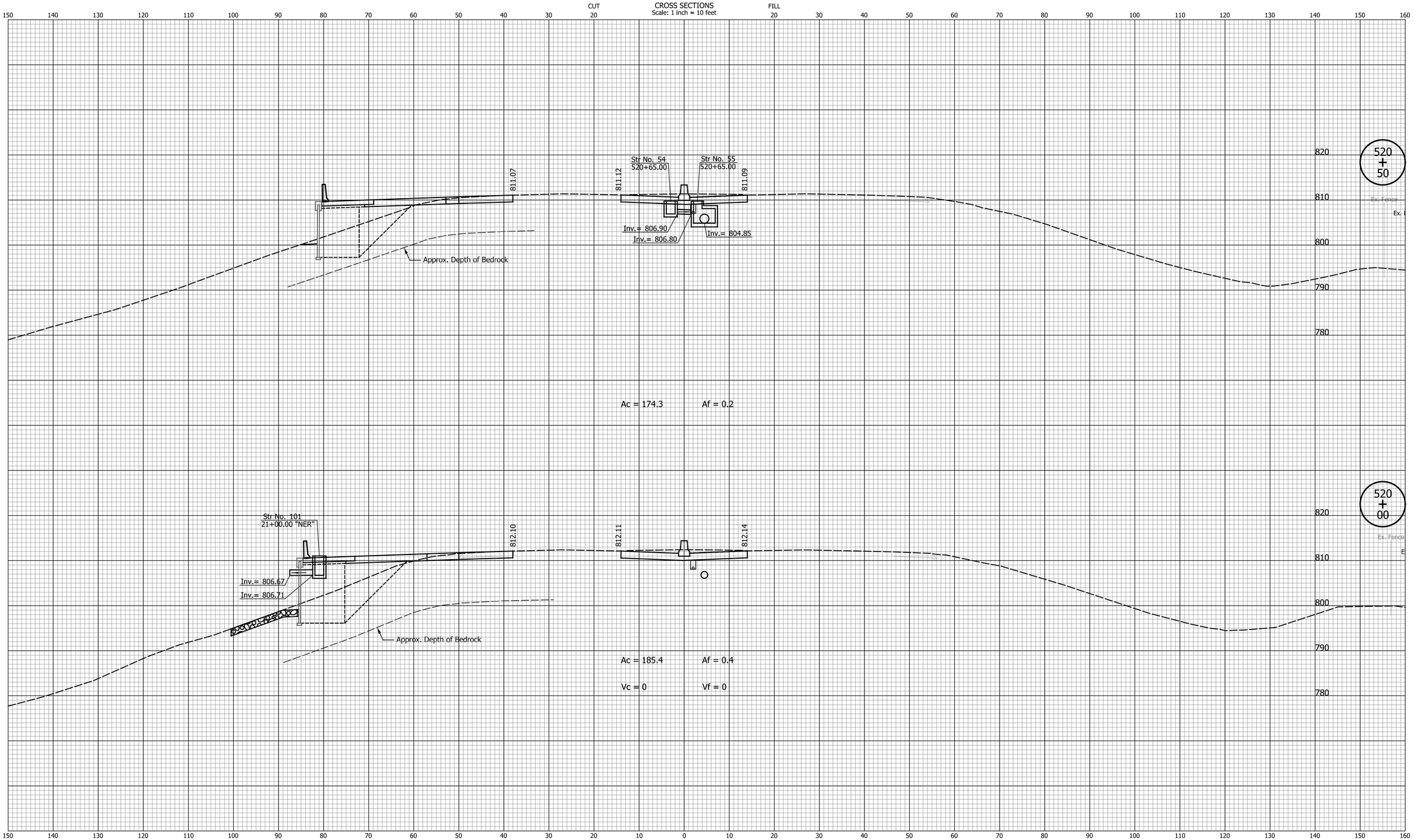

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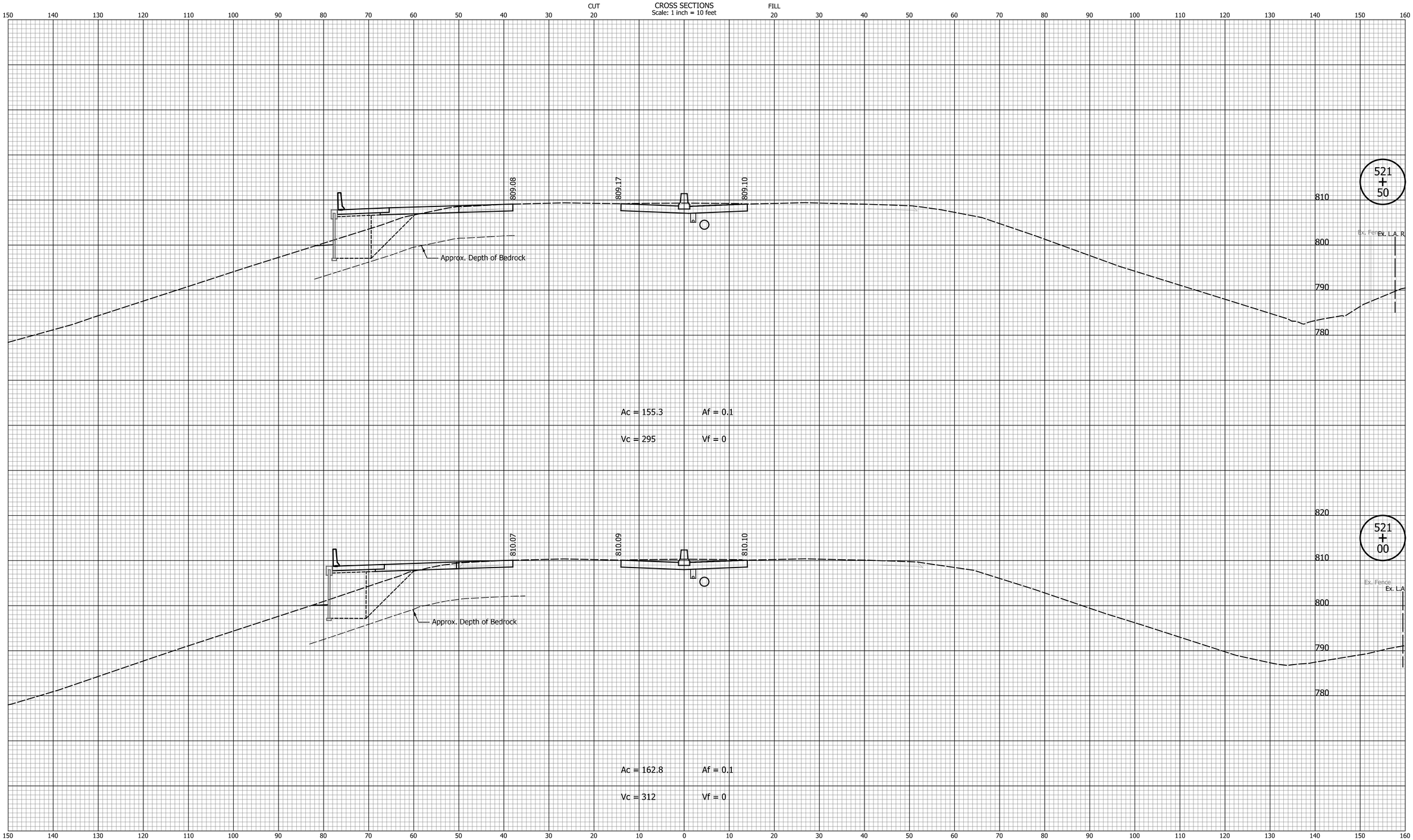
CROSS SECTIONS
Scale: 1 inch = 10 feet



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N/A	96 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
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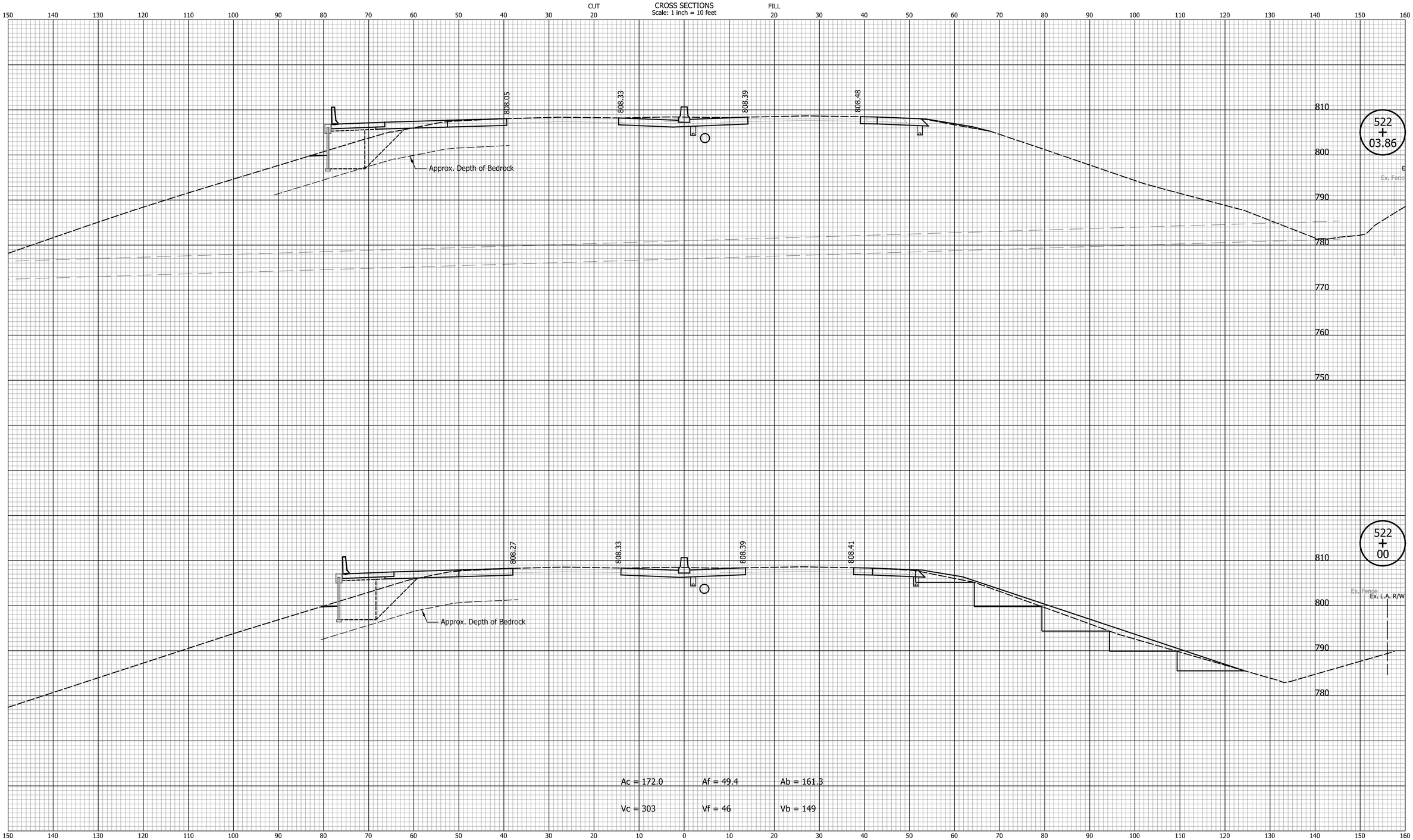
CROSS SECTIONS
Scale: 1 inch = 10 feet



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INDIANA
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CROSS SECTIONS
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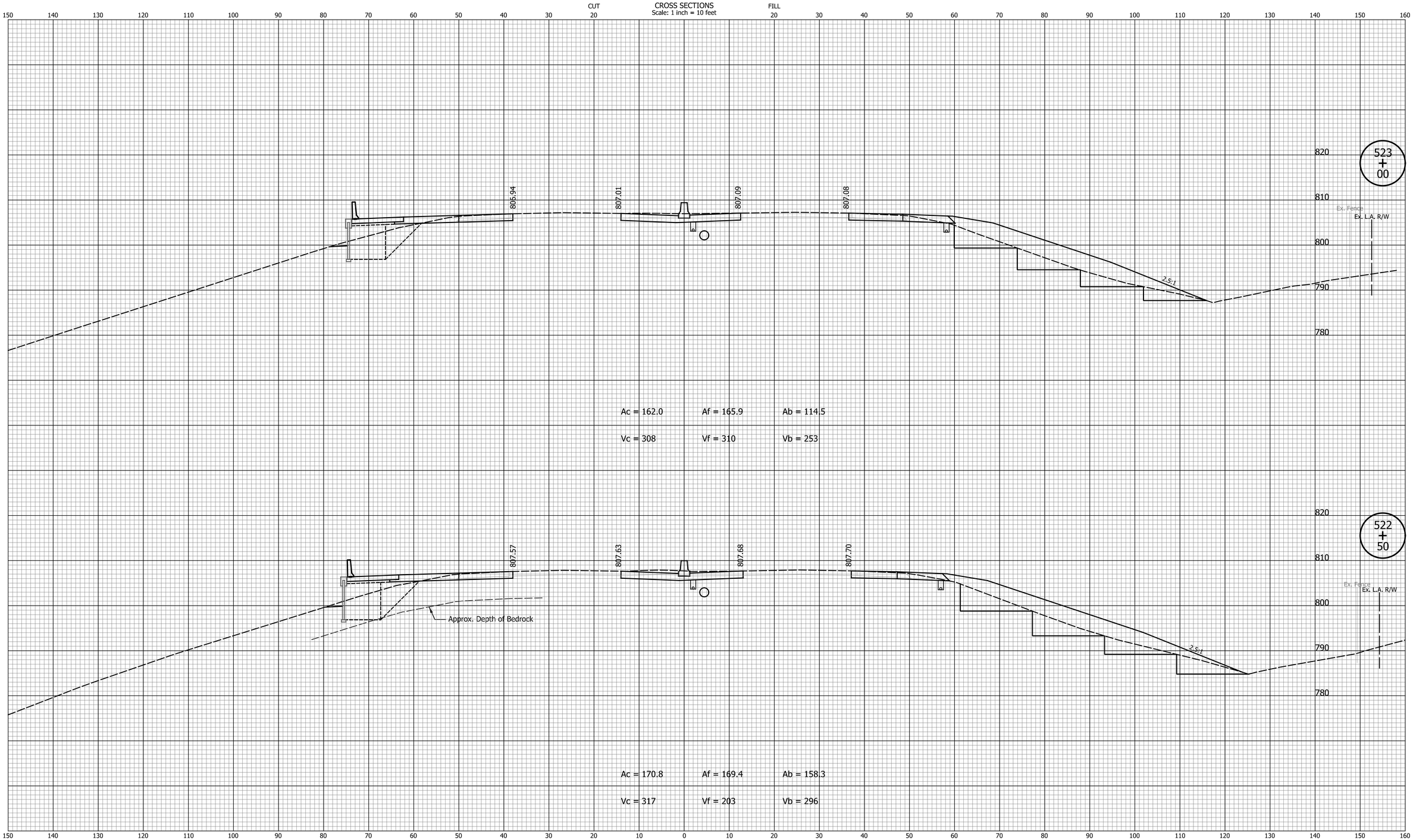
CROSS SECTIONS
Scale: 1 inch = 10 feet



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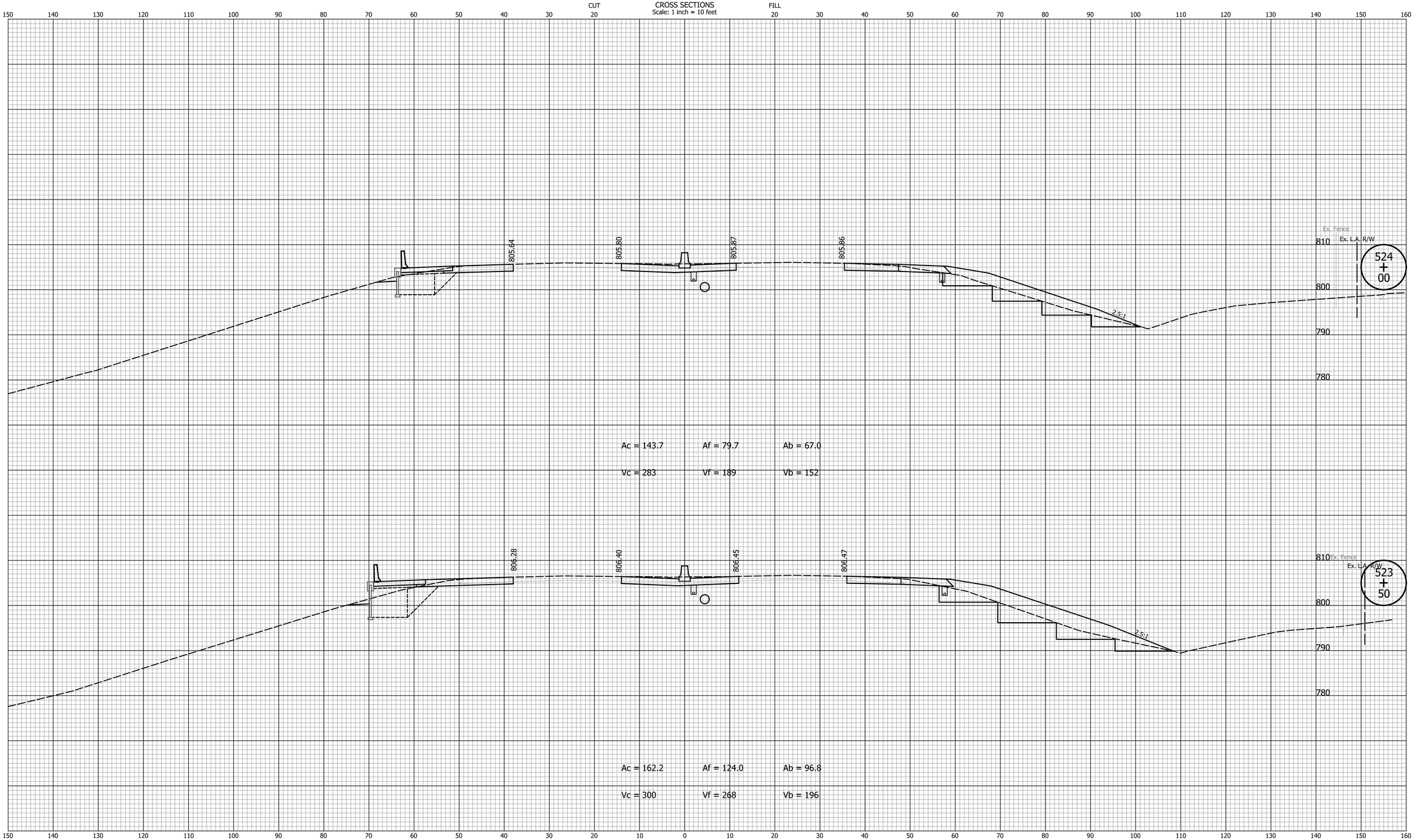
CROSS SECTIONS
Scale: 1 inch = 10 feet



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VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	99 of 131
CONTRACT	PROJECT
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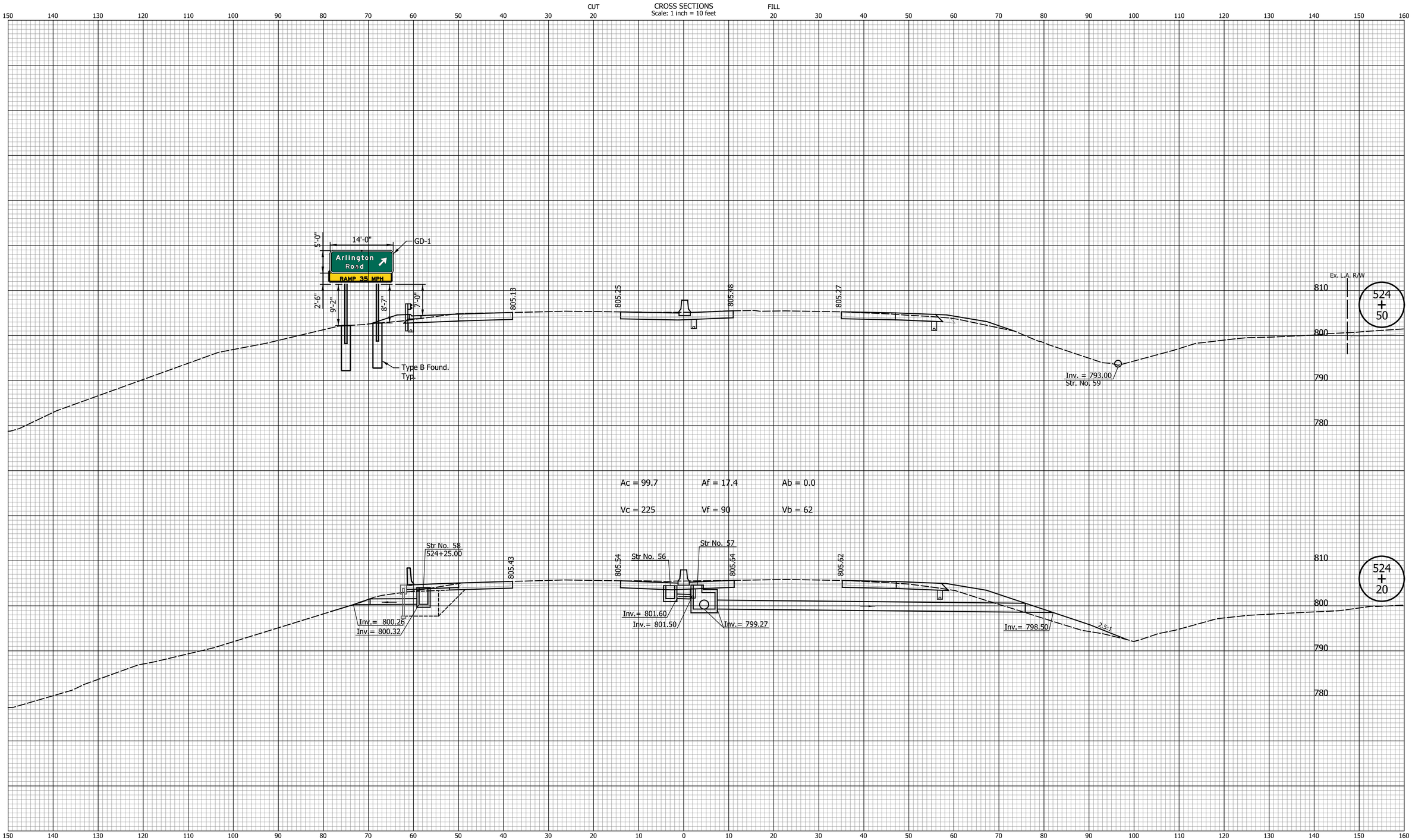
CROSS SECTIONS
Scale: 1 inch = 10 feet



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

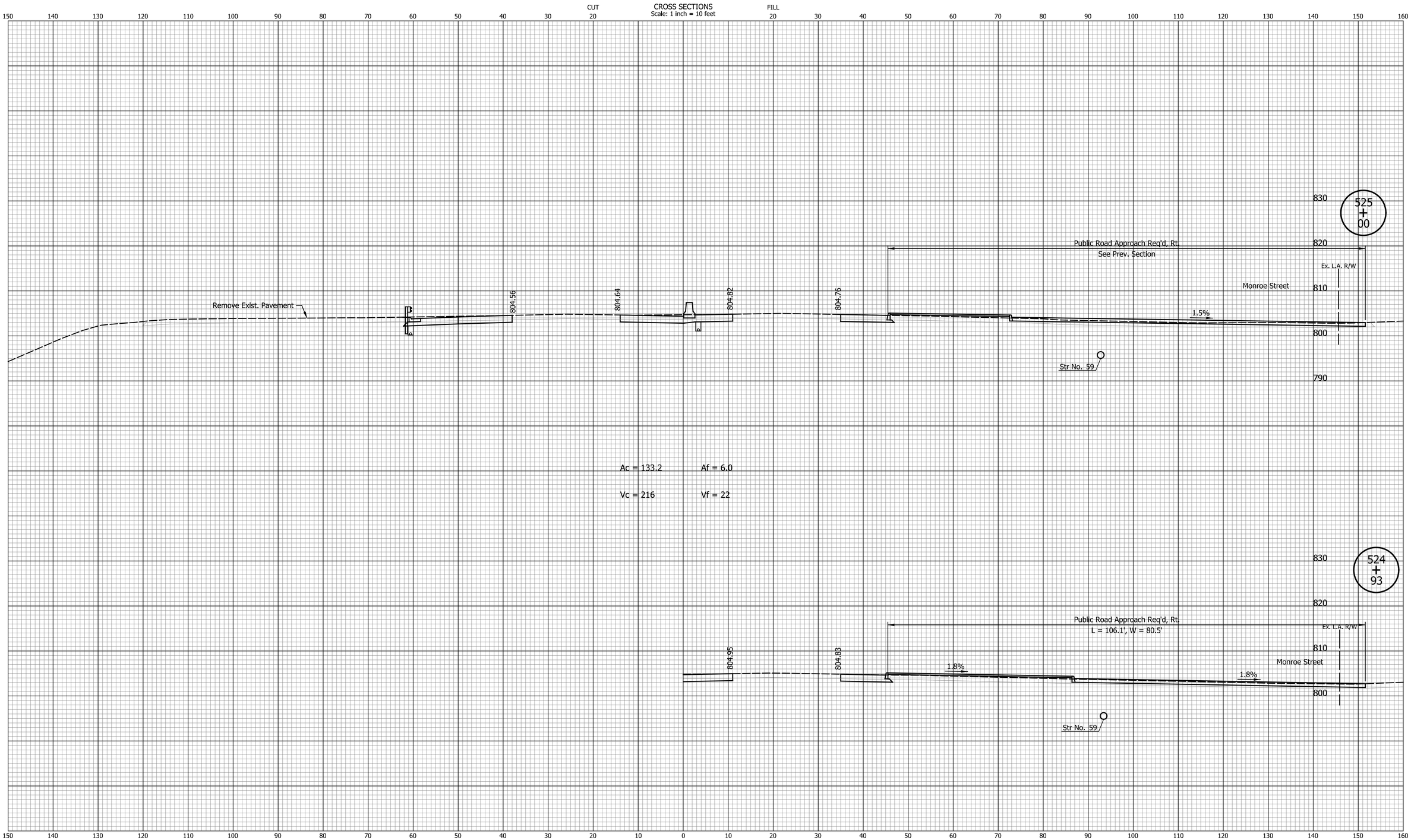
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	100 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:24 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn



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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	101 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

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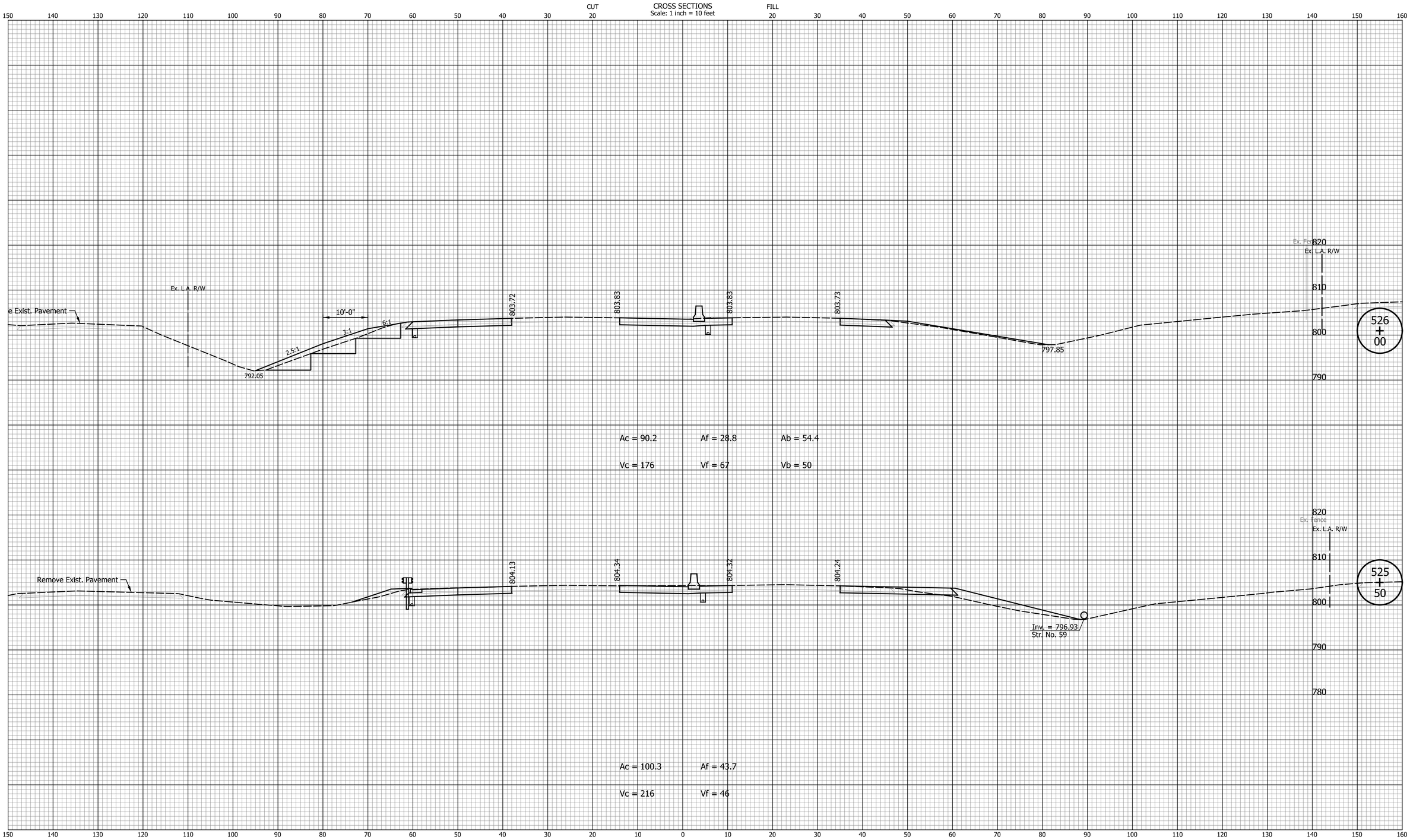

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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	102 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy+Pdf.cfg
Indiana_Shade.tbl

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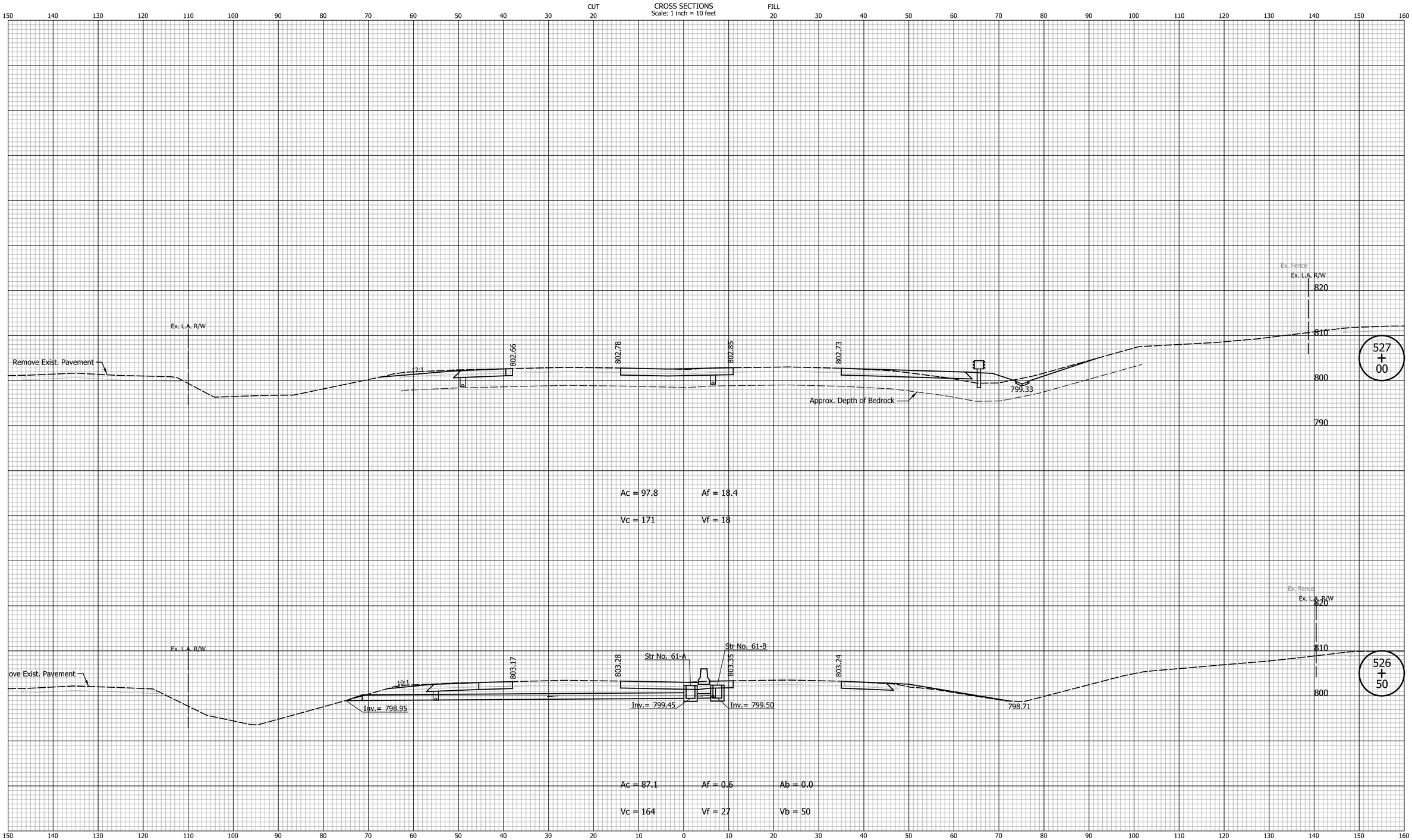

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1" = 10'	N/A
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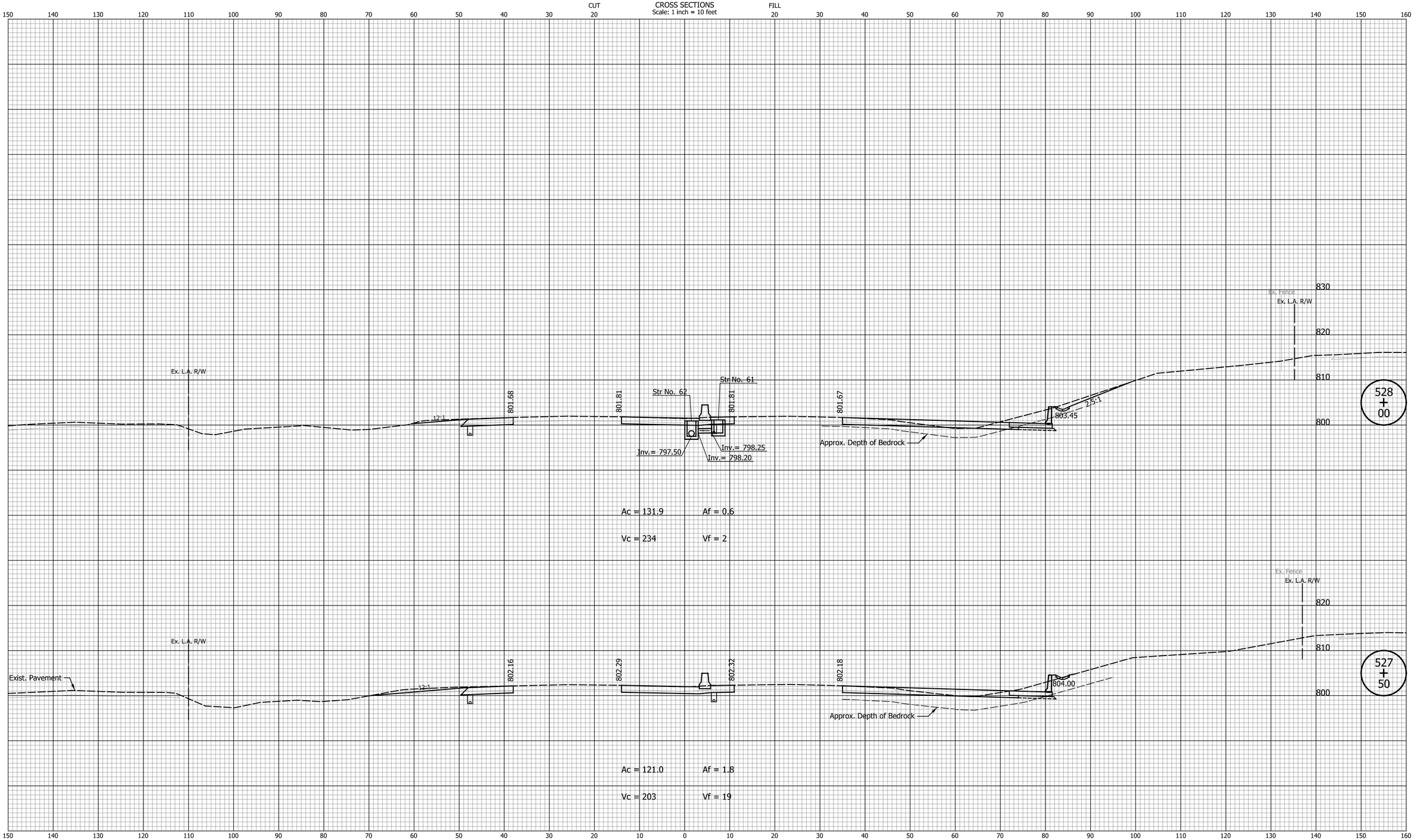
SURVEY BOOK	SHEETS
N/A	103 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Dist_altrctg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:31 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn

CROSS SECTIONS

Scale: 1 inch = 10 feet



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Indy-def.cfg
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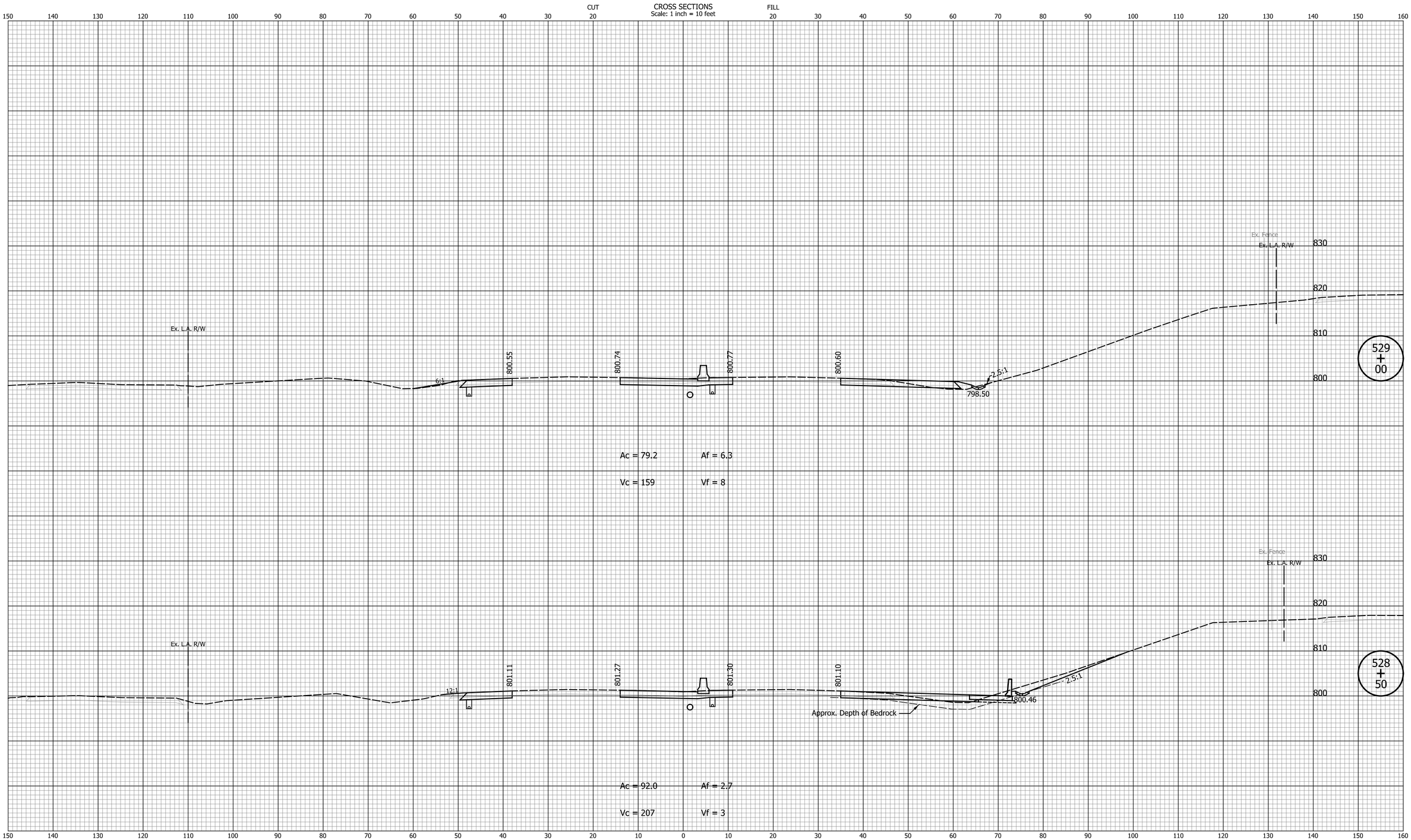

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CONTRACT	PROJECT
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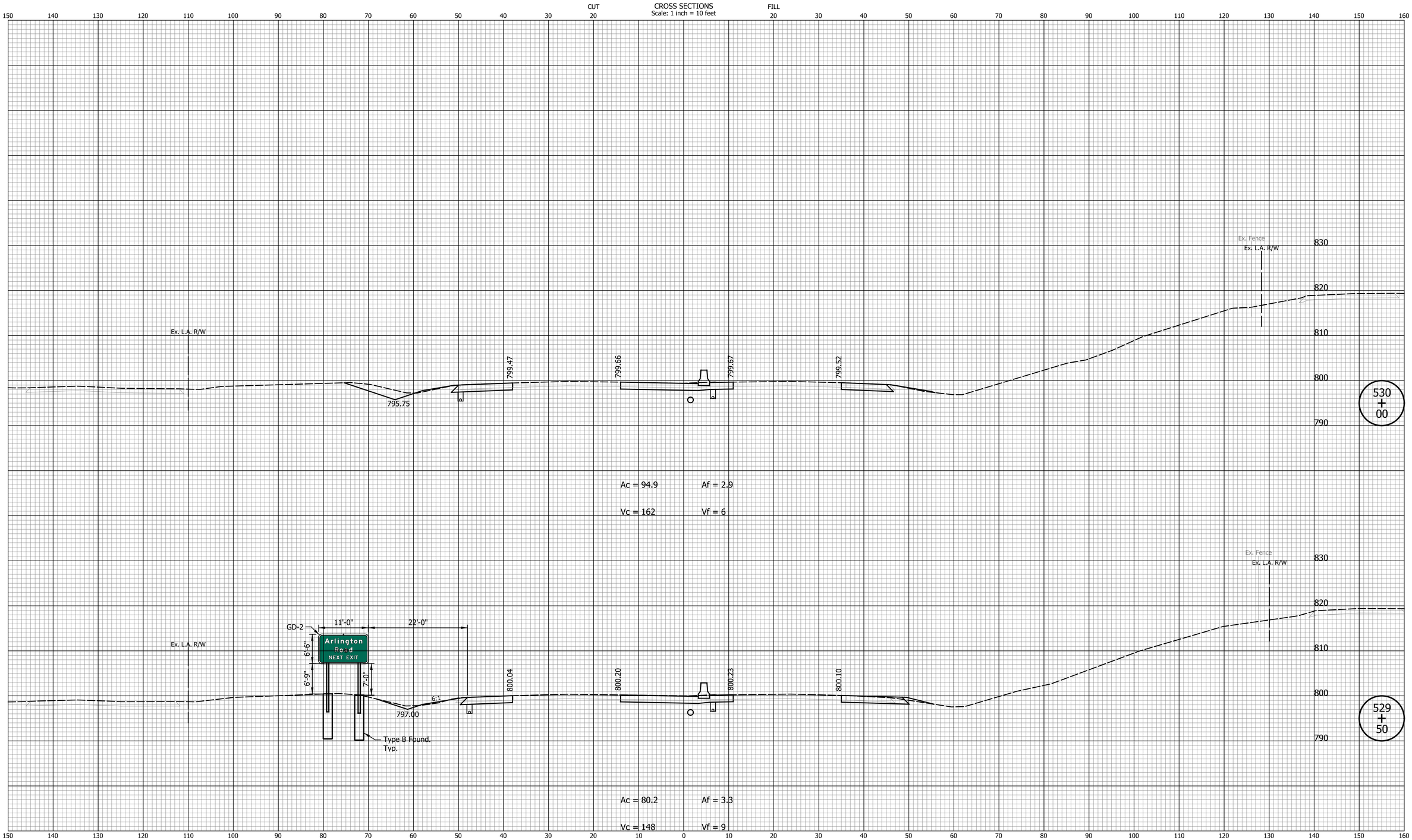
CROSS SECTIONS
Scale: 1 inch = 10 feet



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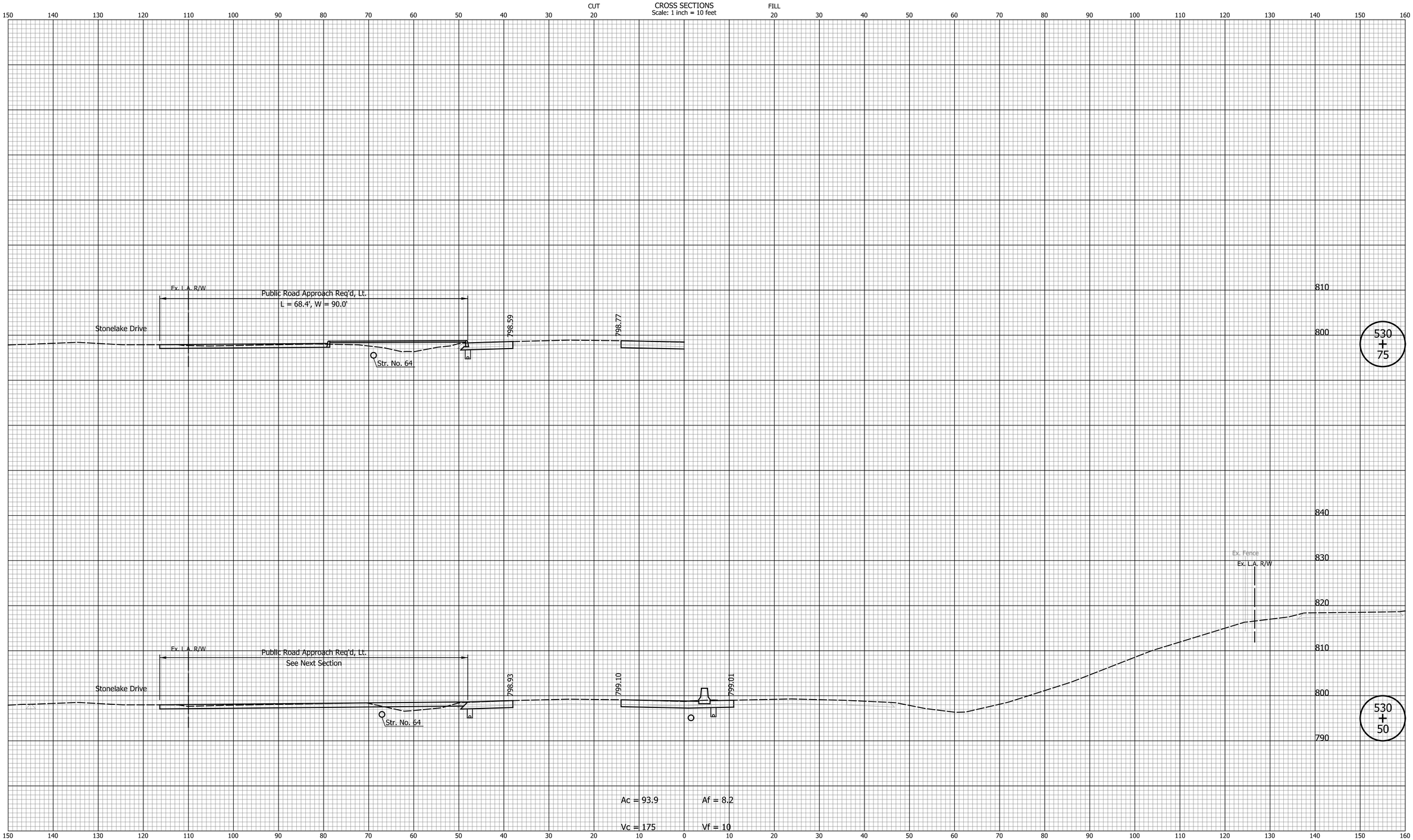

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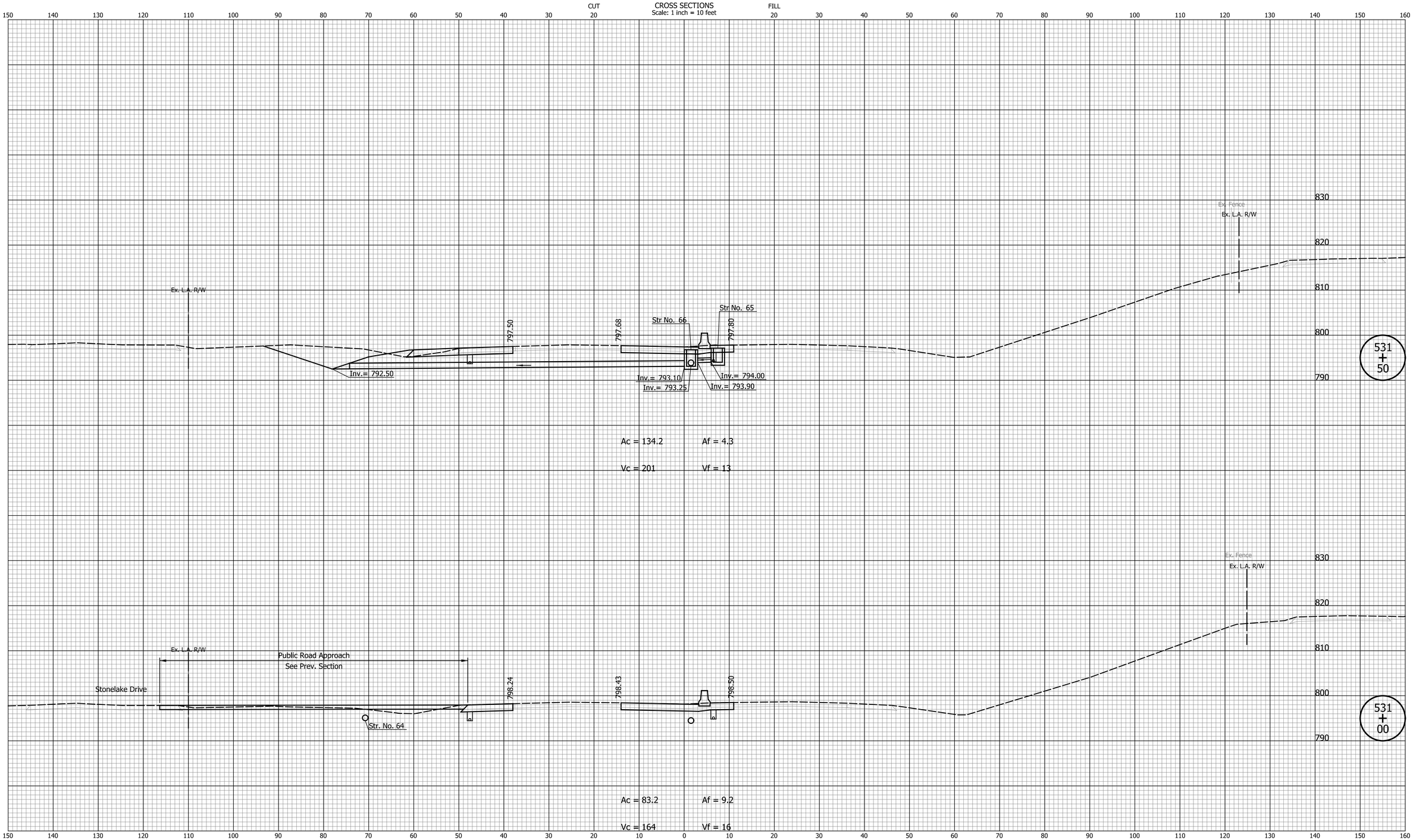

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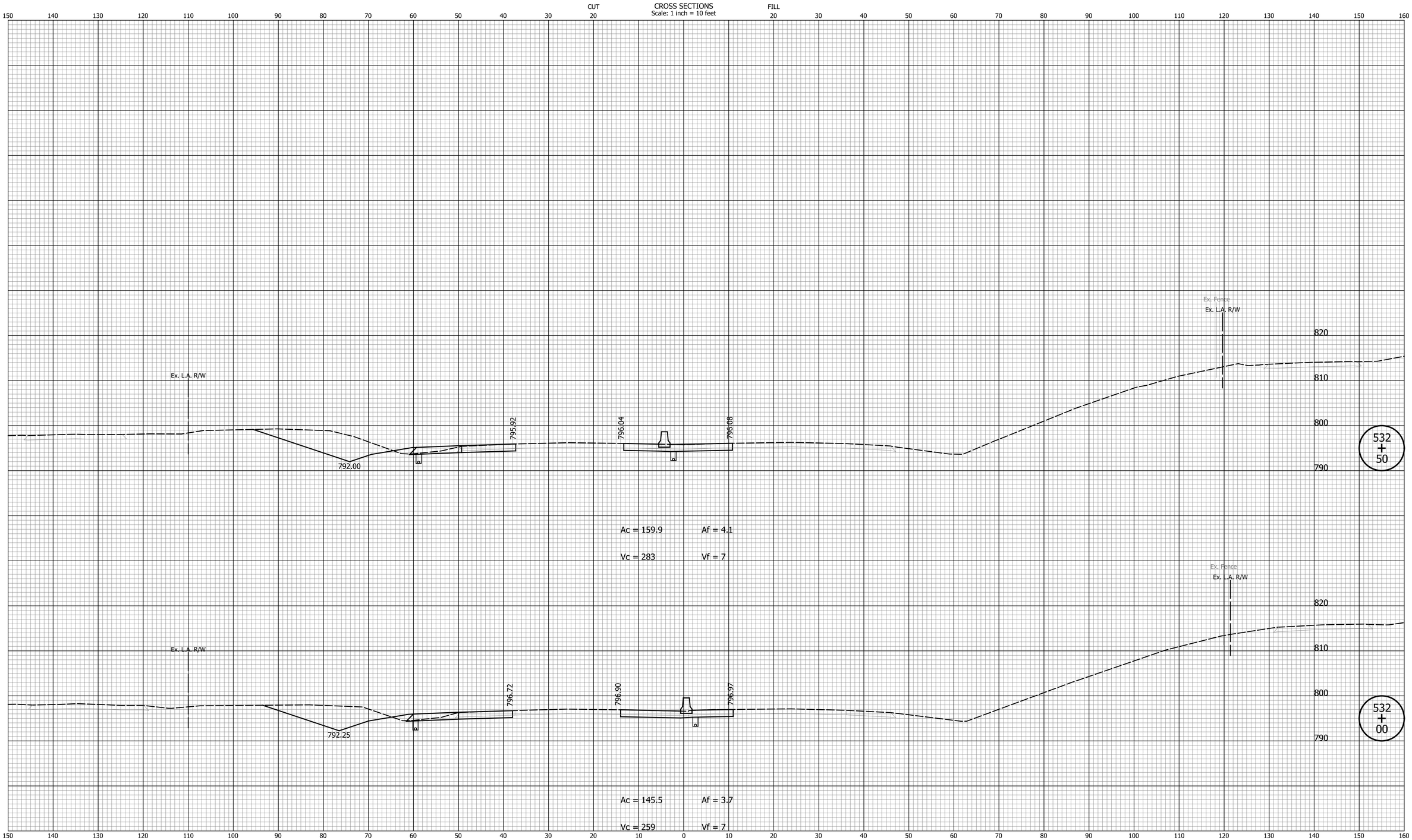

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Indy-Prof.pltcfg
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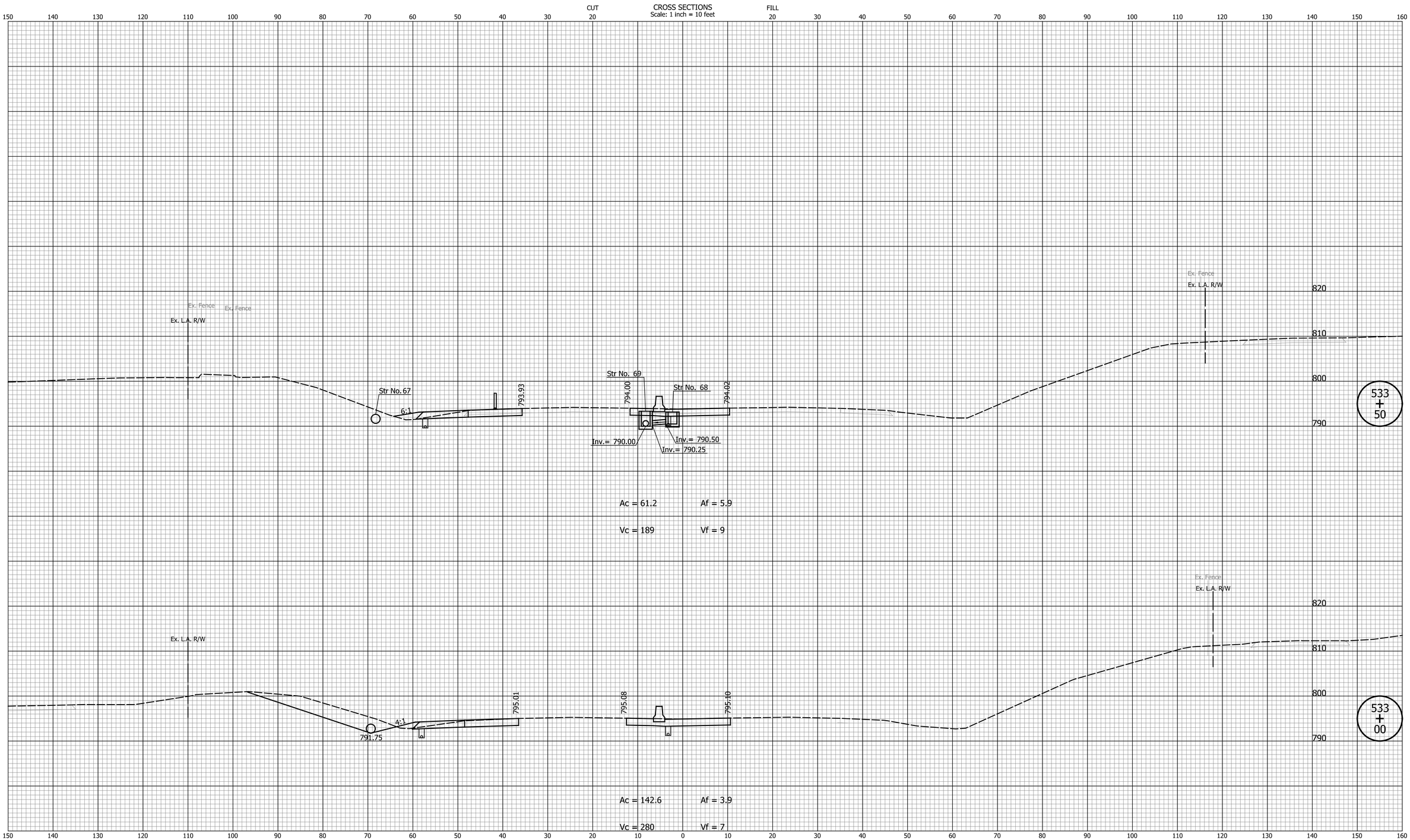
Lmichalke 8/30/2023 2:48:34 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn



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N/A	110 of 131
CONTRACT	PROJECT
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Indy-dot_altcfg
Indiana_Shade.tbl

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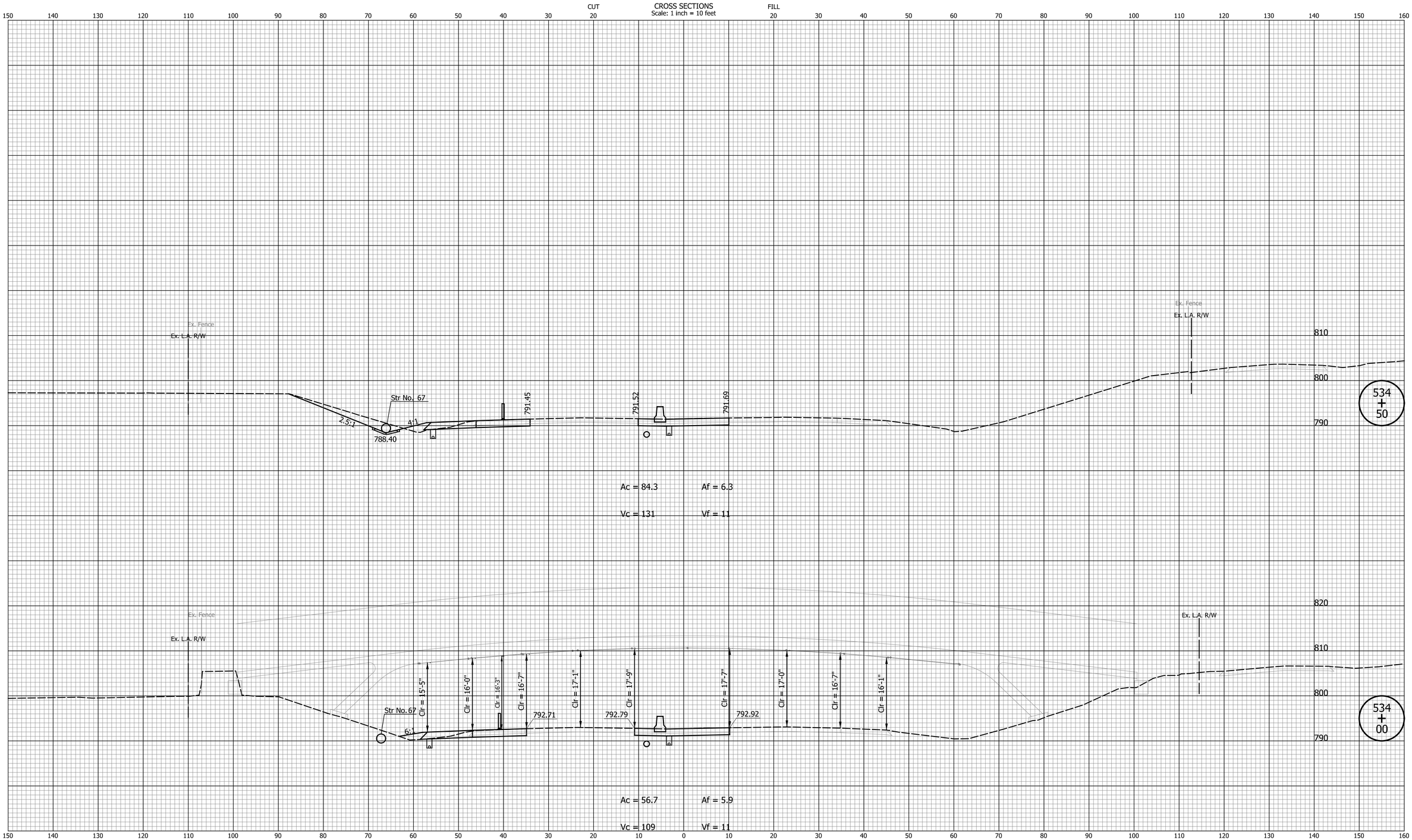

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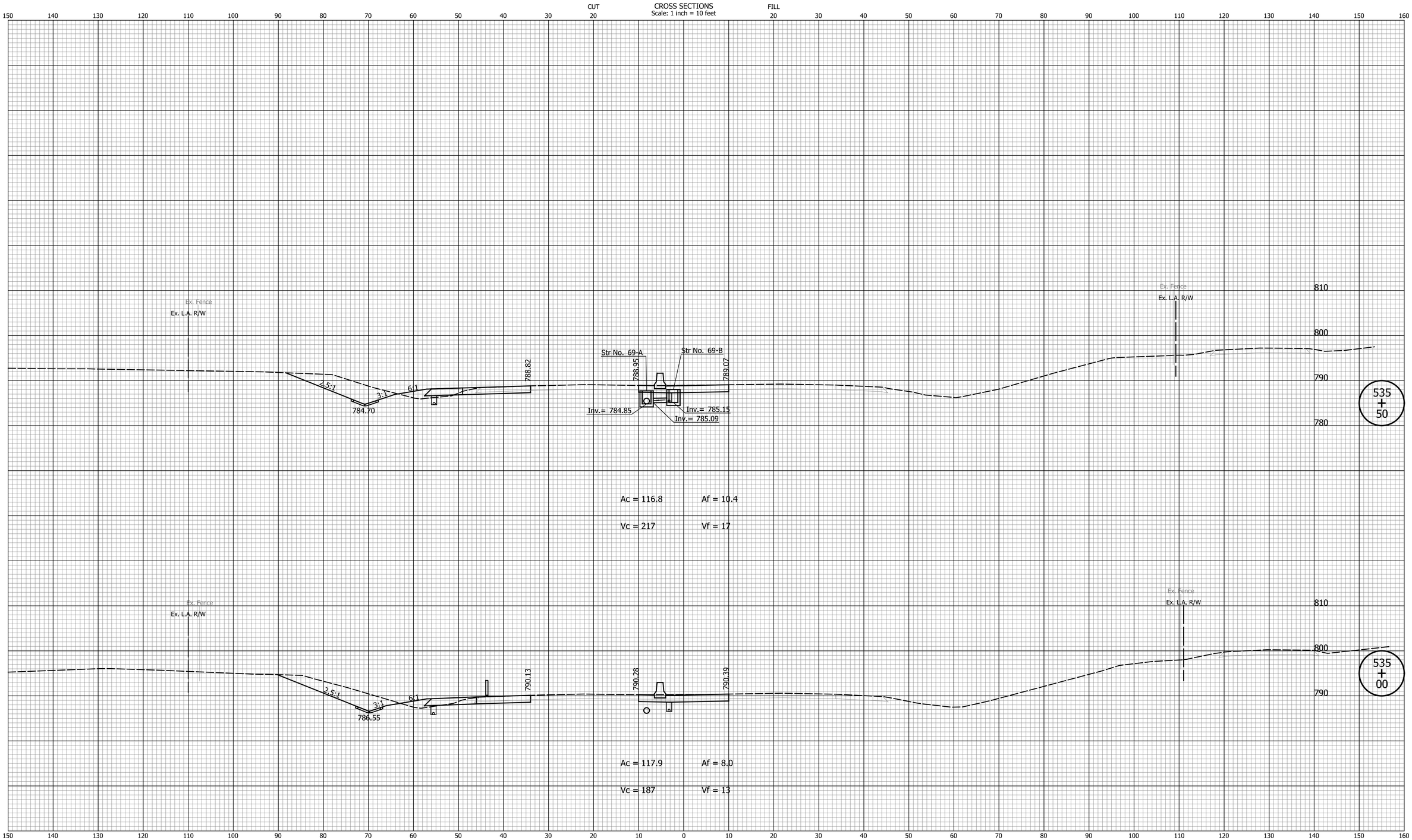

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Indy-dot.pltcfg
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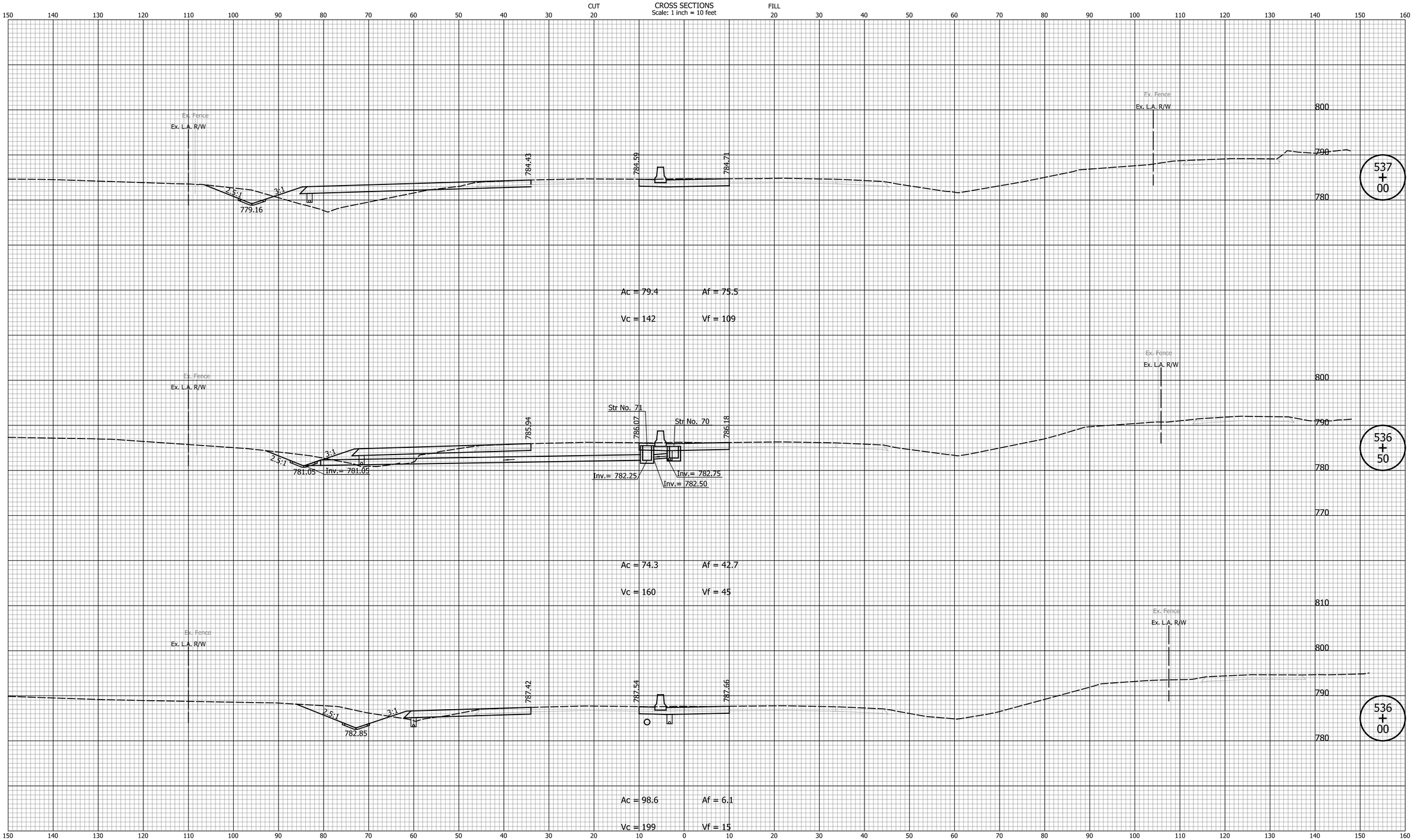

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LINE "B"

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Indy-Prof.pltcfg
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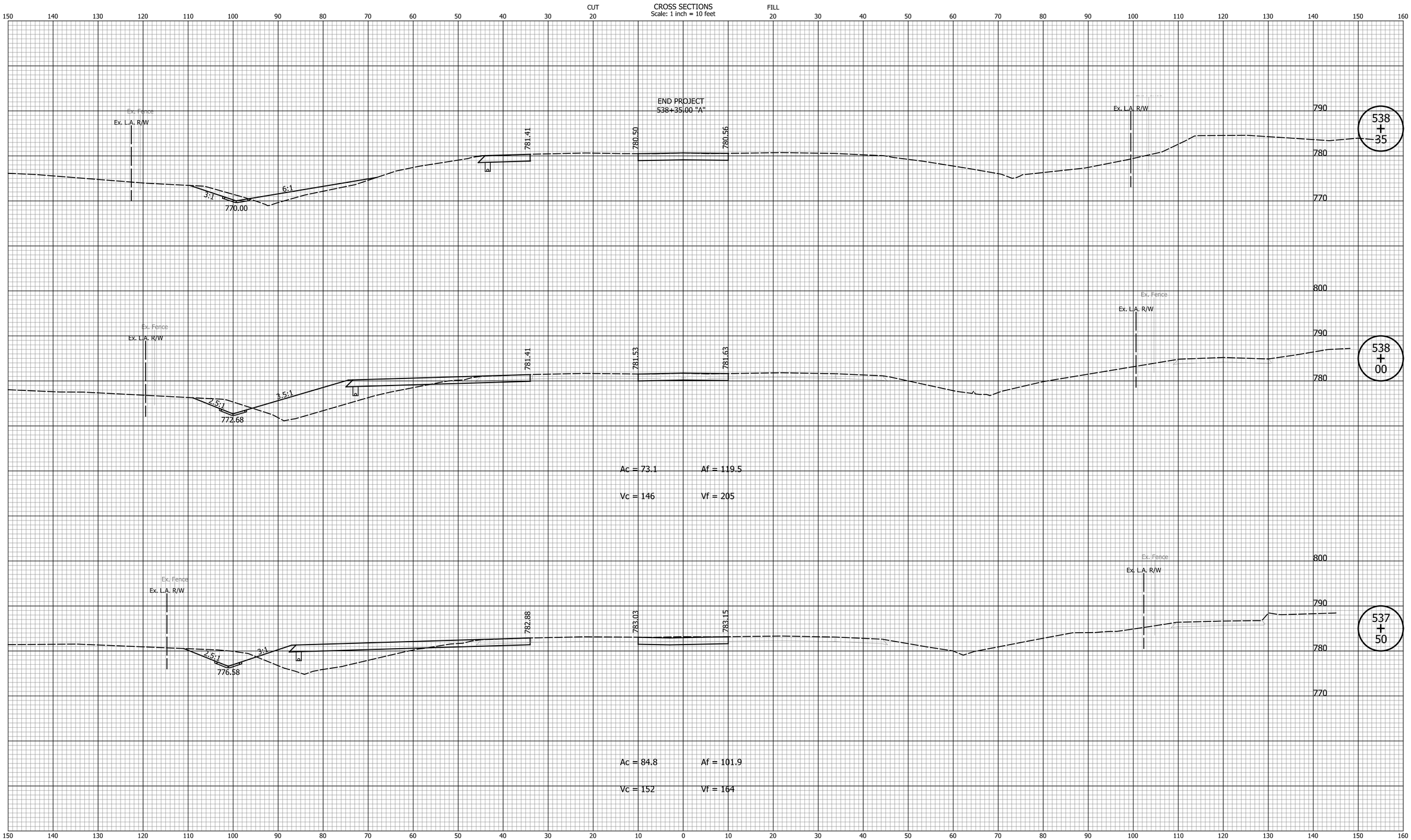
Lmichalke 8/30/2023 2:48:36 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn



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DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	114 of 131
CONTRACT	PROJECT
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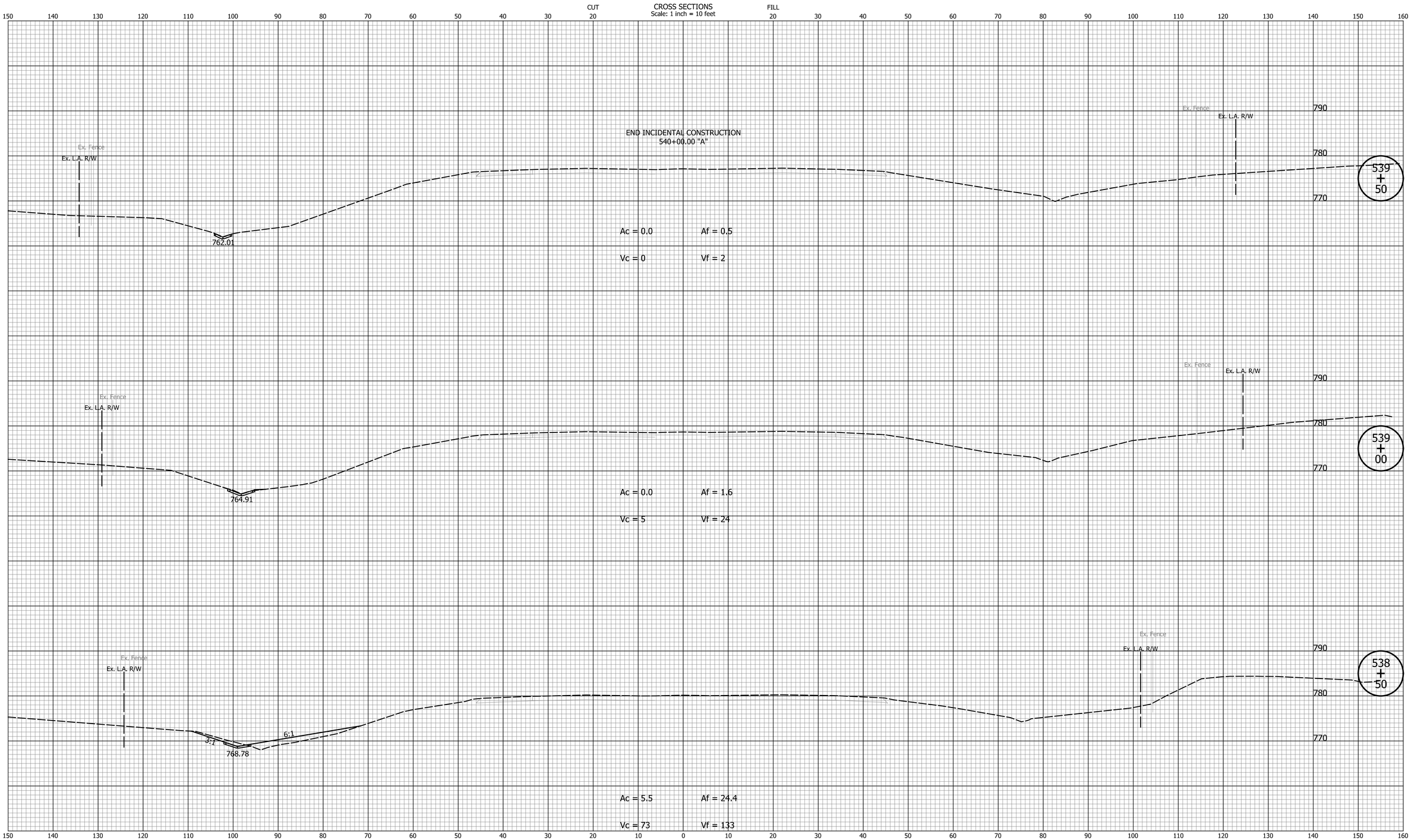
Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:36 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn



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SURVEY BOOK	SHEETS
N/A	115 of 131
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Indy-def.cfg
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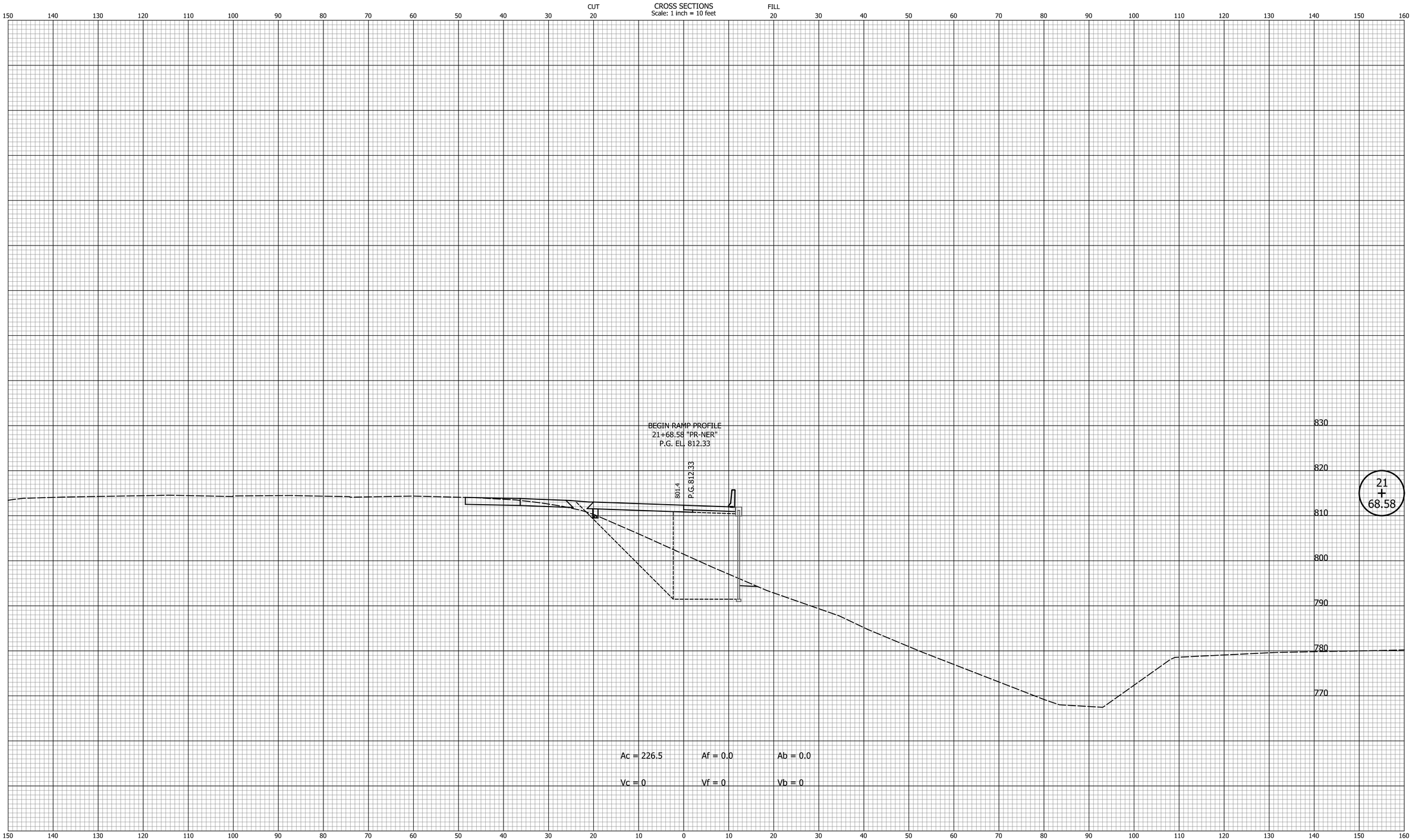
Lmichalke 8/30/2023 2:48:37 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.A.01.dgn



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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	116 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Ref.pltcfg
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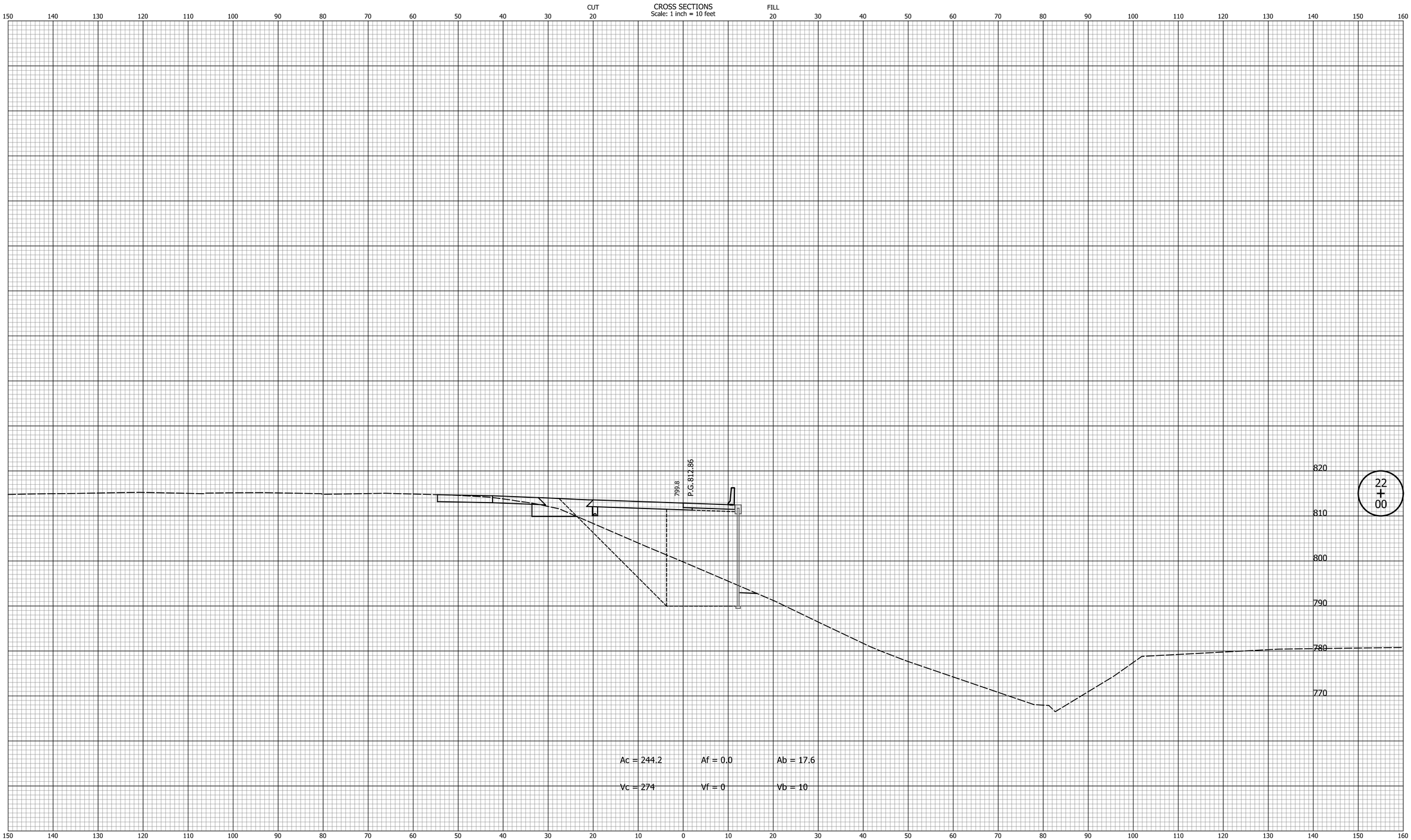

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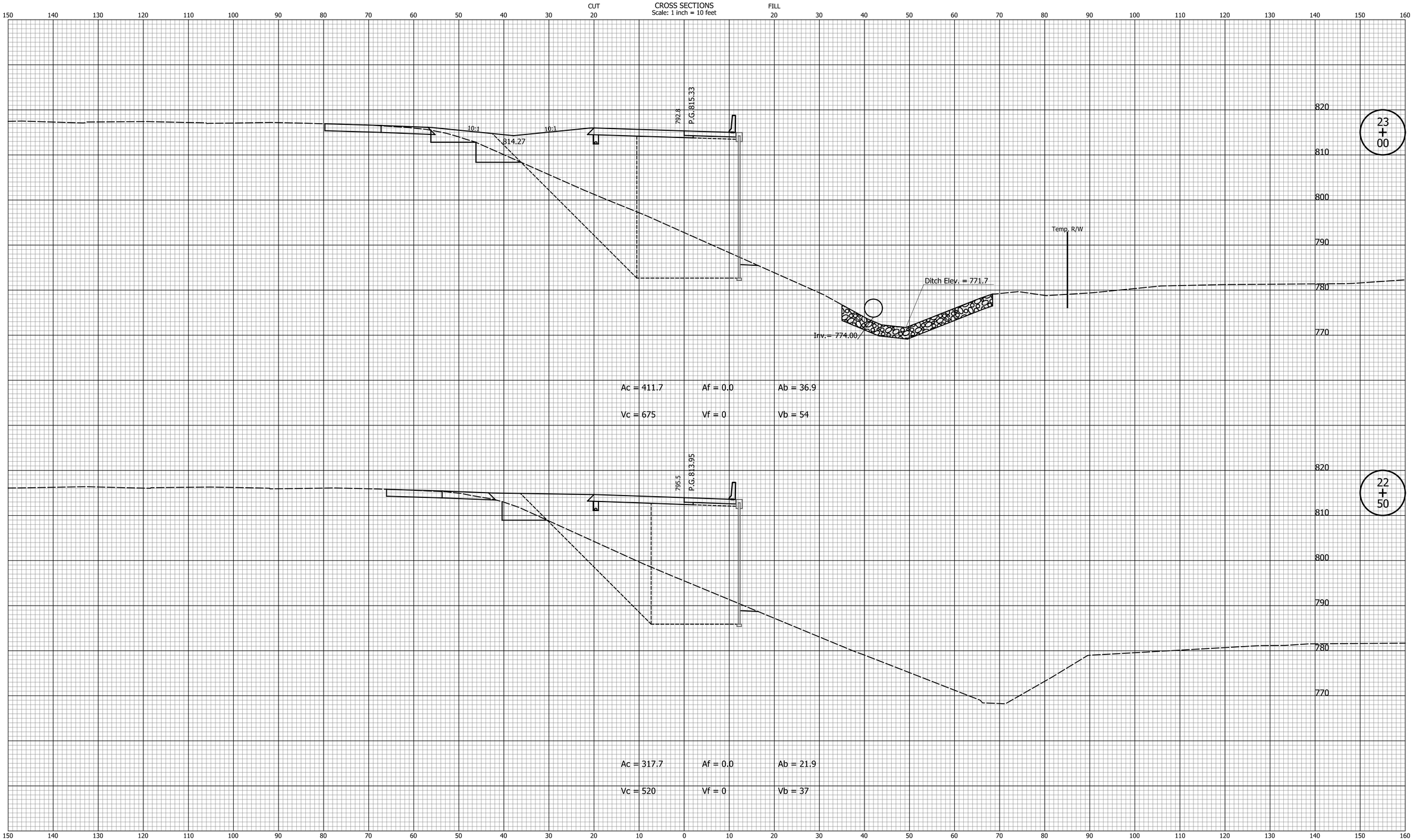

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CROSS SECTIONS
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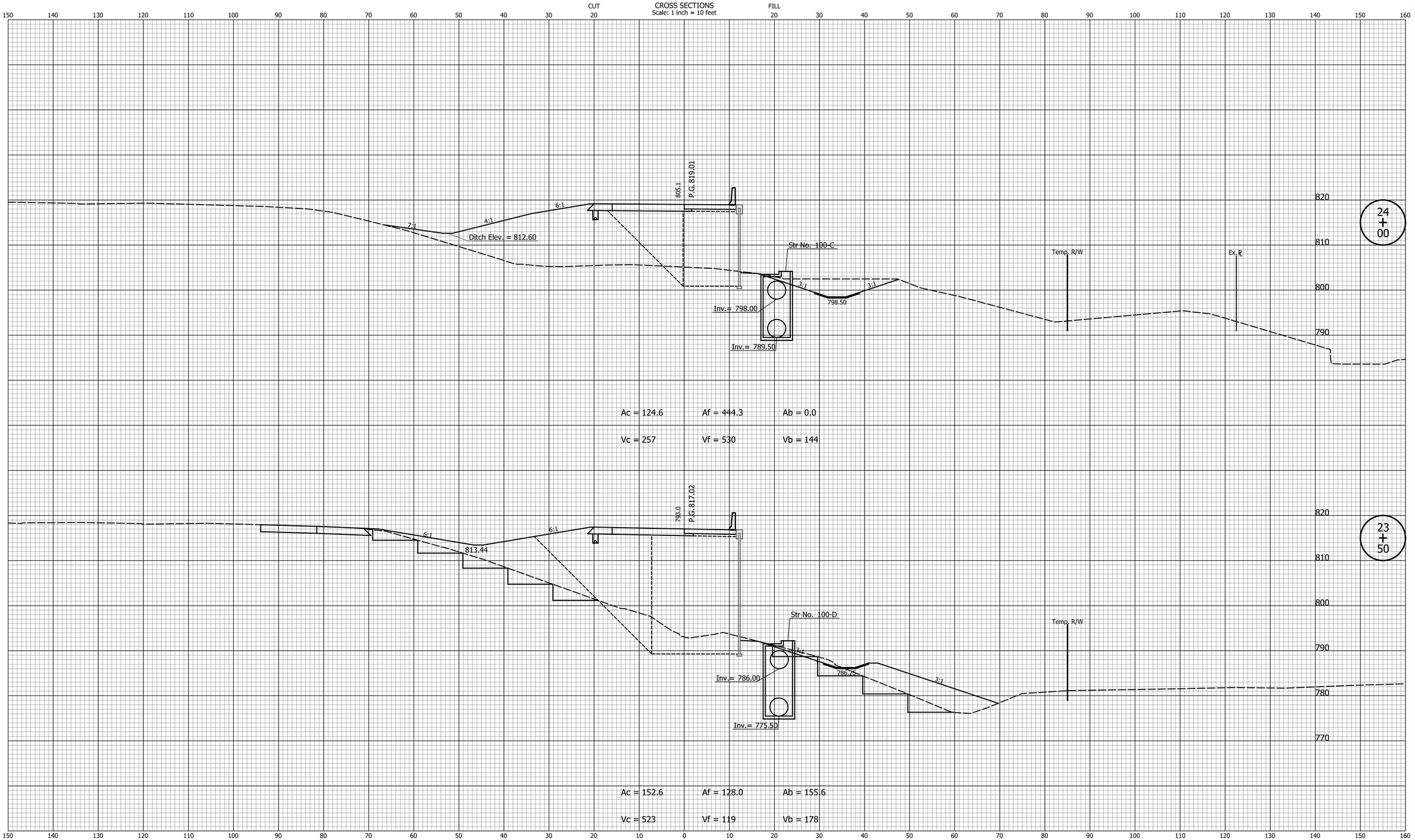

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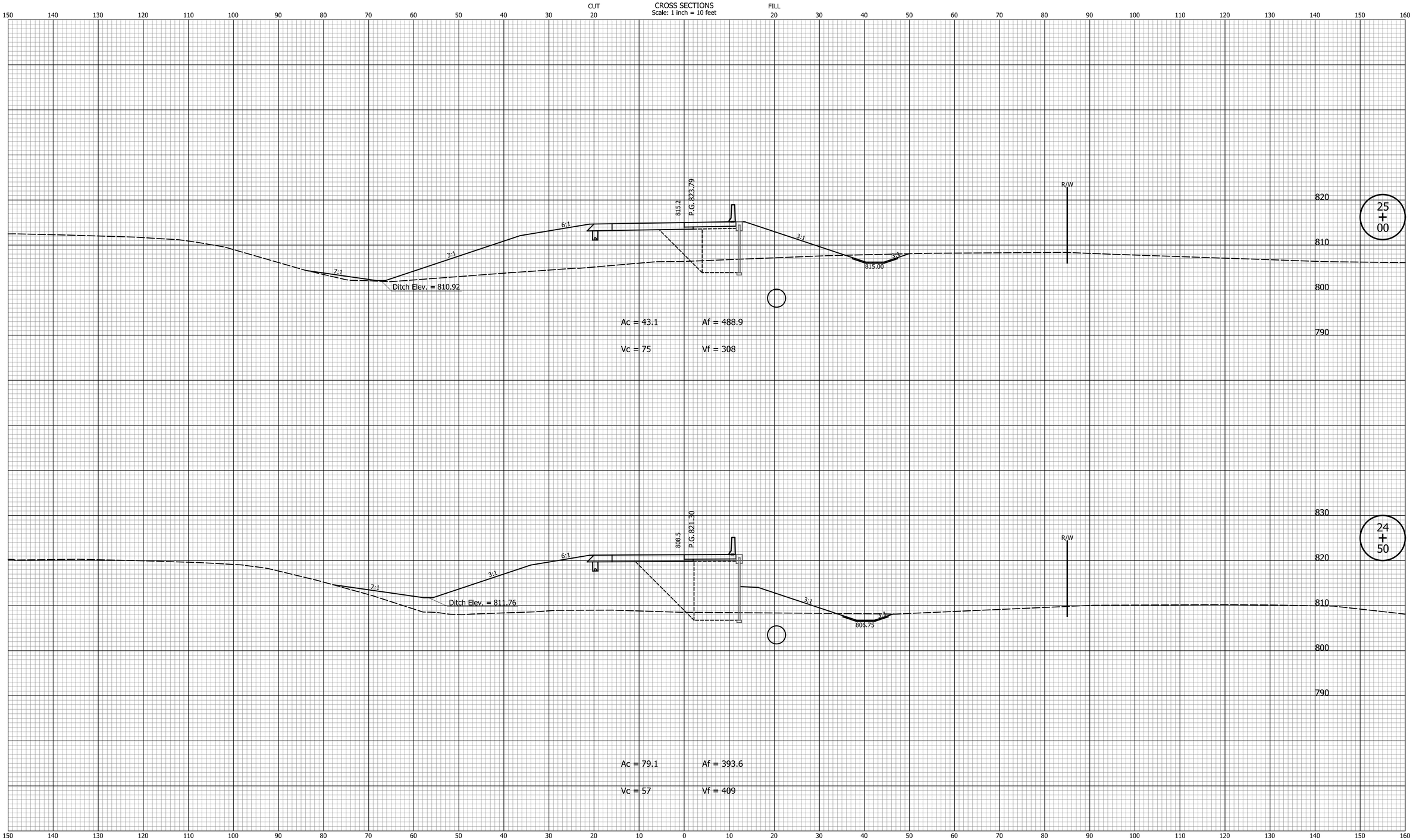

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Indiana_Shade.tbl

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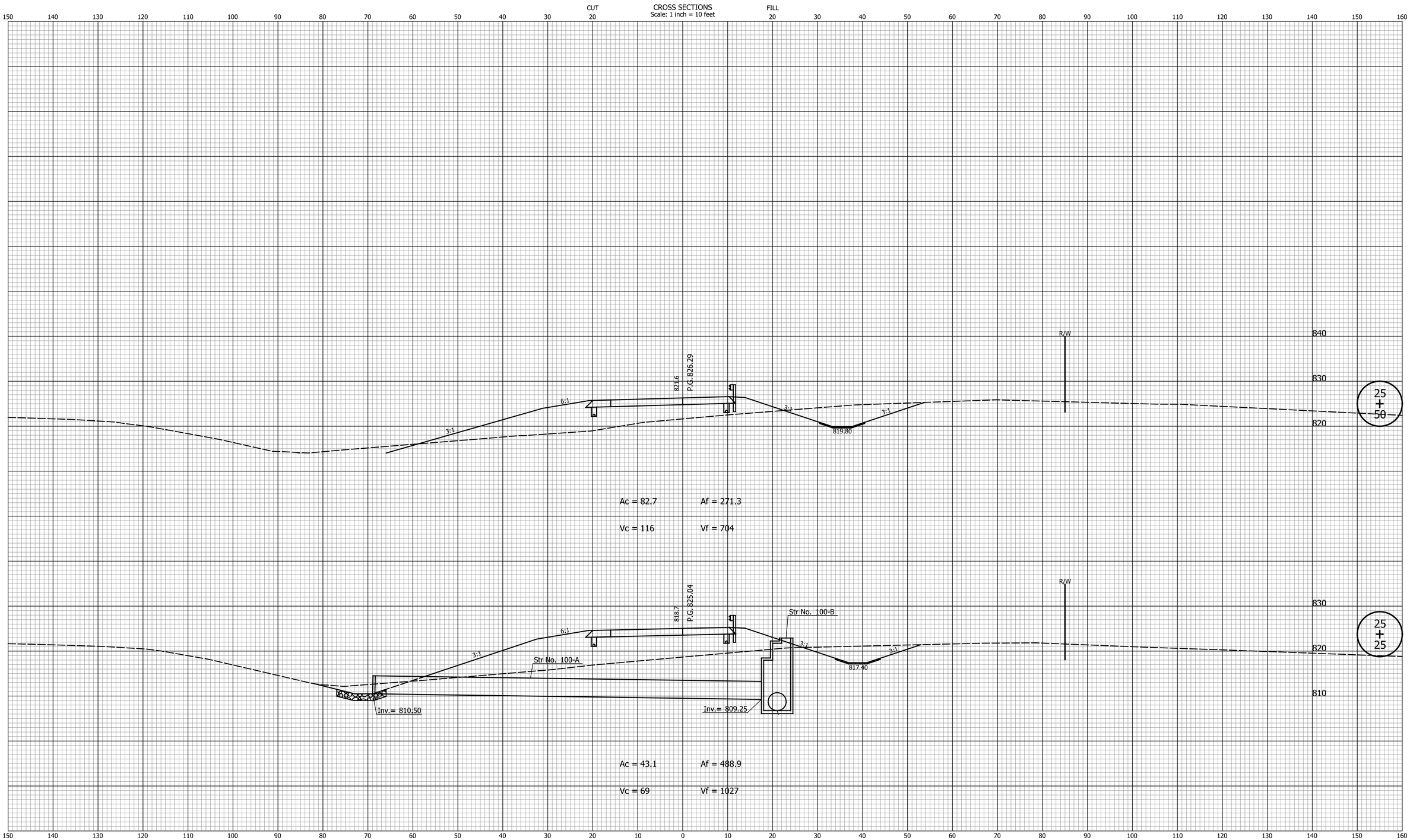


DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

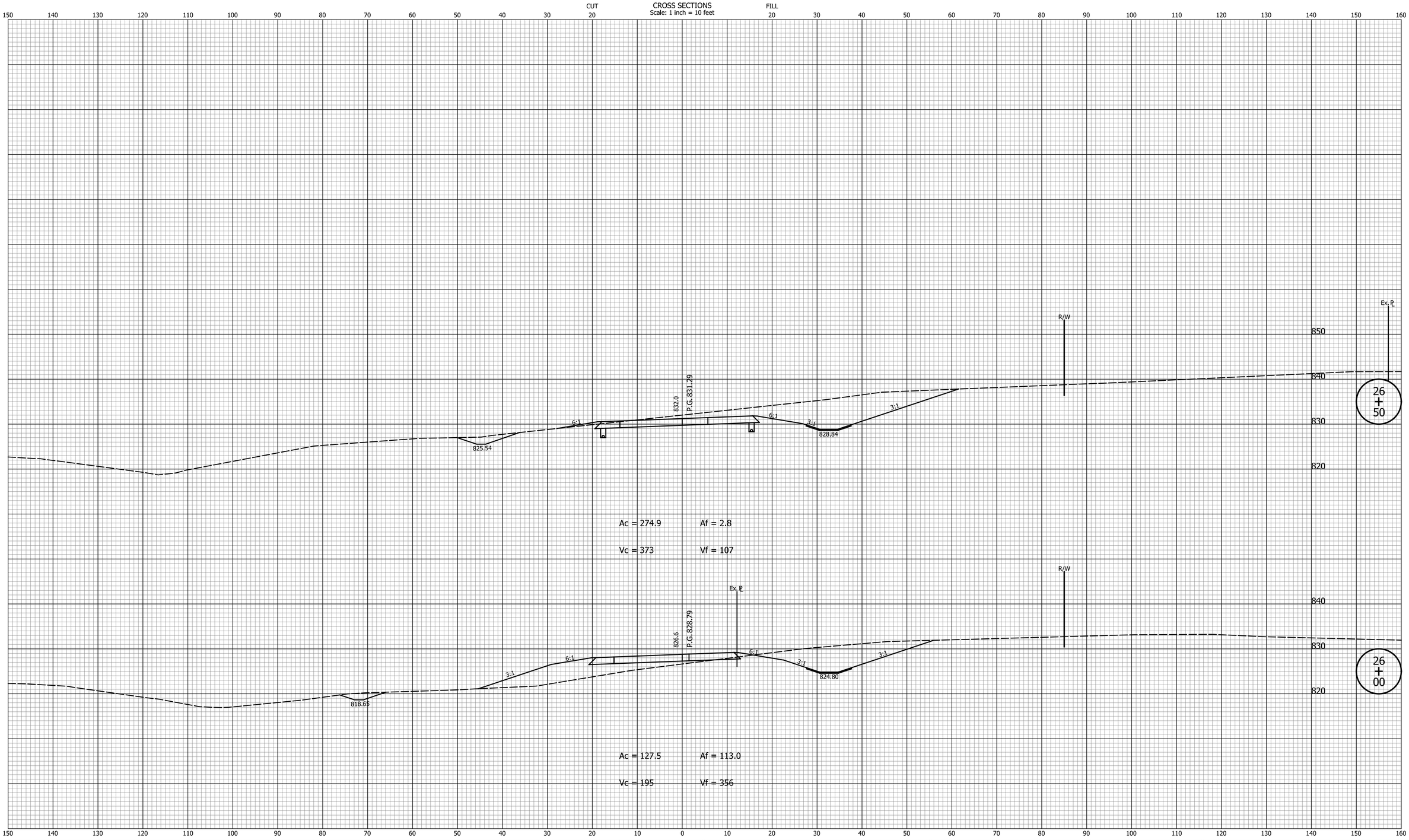
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	121 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot_atrctg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:39 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.PR-NER.01.dgn



DATE	REVISION

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DESIGNED: SRS DRAWN: MCC

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INDIANA
DEPARTMENT OF TRANSPORTATION

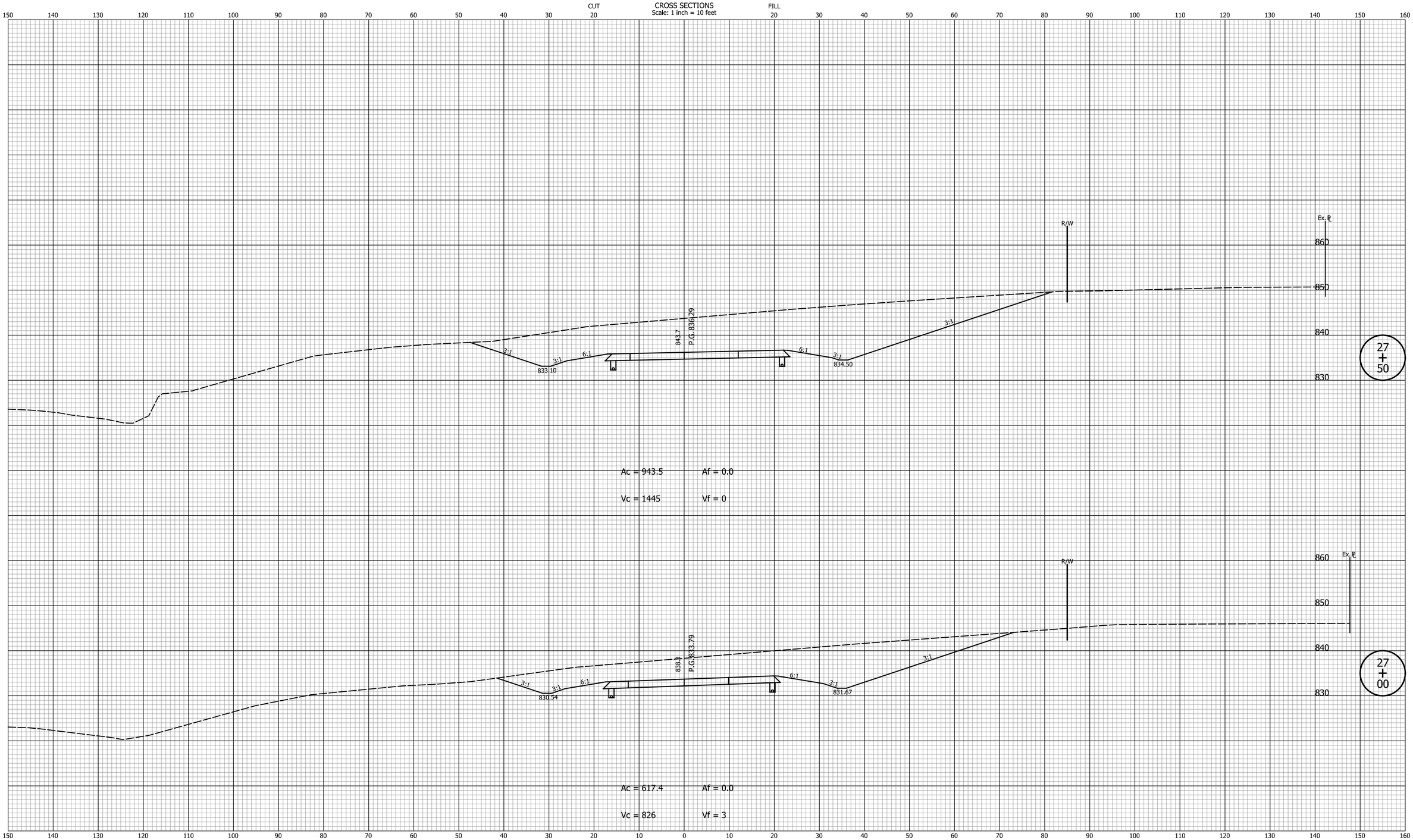
CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	122 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:39 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.PR-NER.01.dgn

CROSS SECTIONS
Scale: 1 inch = 10 feet



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INDIANA
DEPARTMENT OF TRANSPORTATION

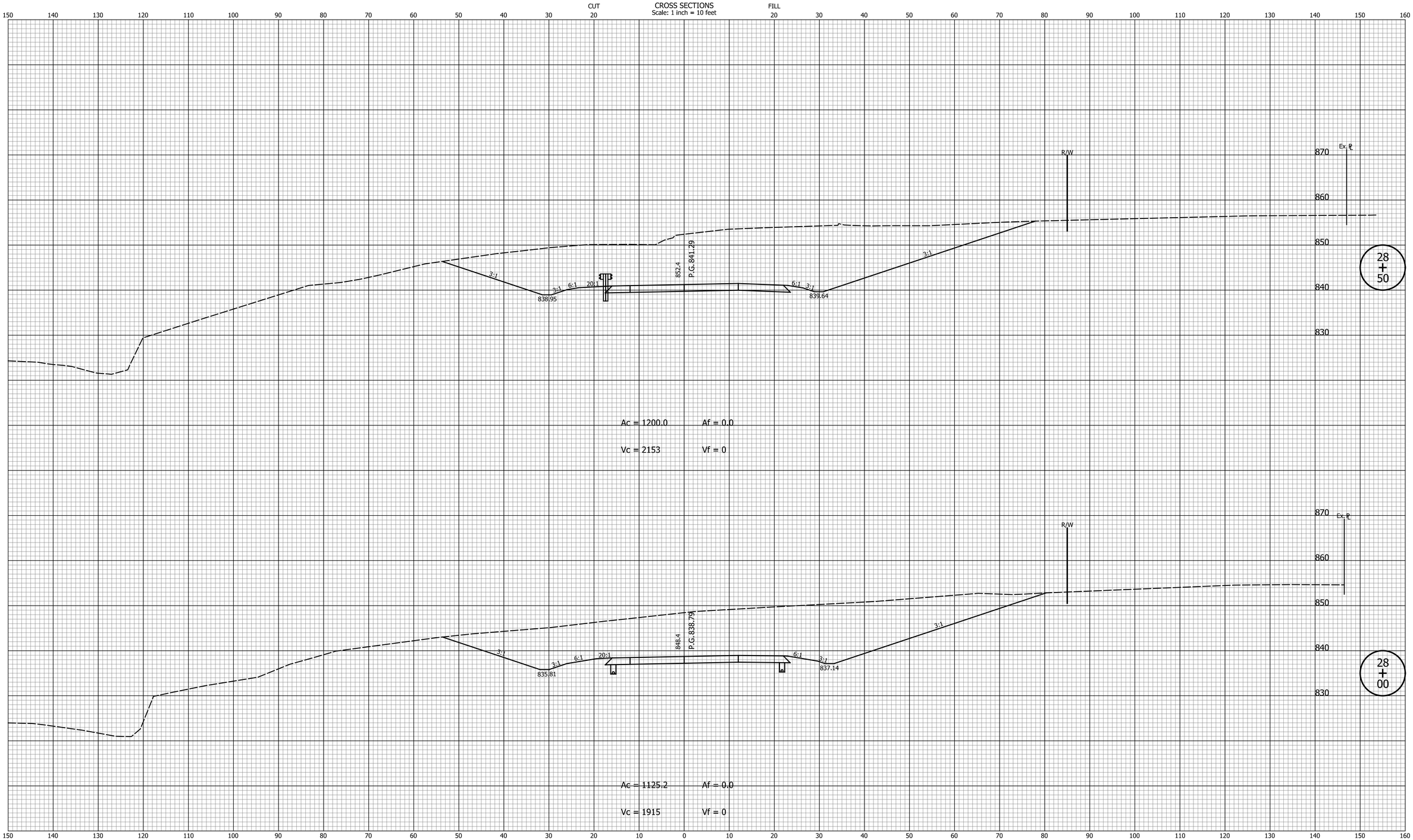
CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	123 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:39 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.PR-NER.01.dgn

CROSS SECTIONS
Scale: 1 inch = 10 feet



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INDIANA
DEPARTMENT OF TRANSPORTATION

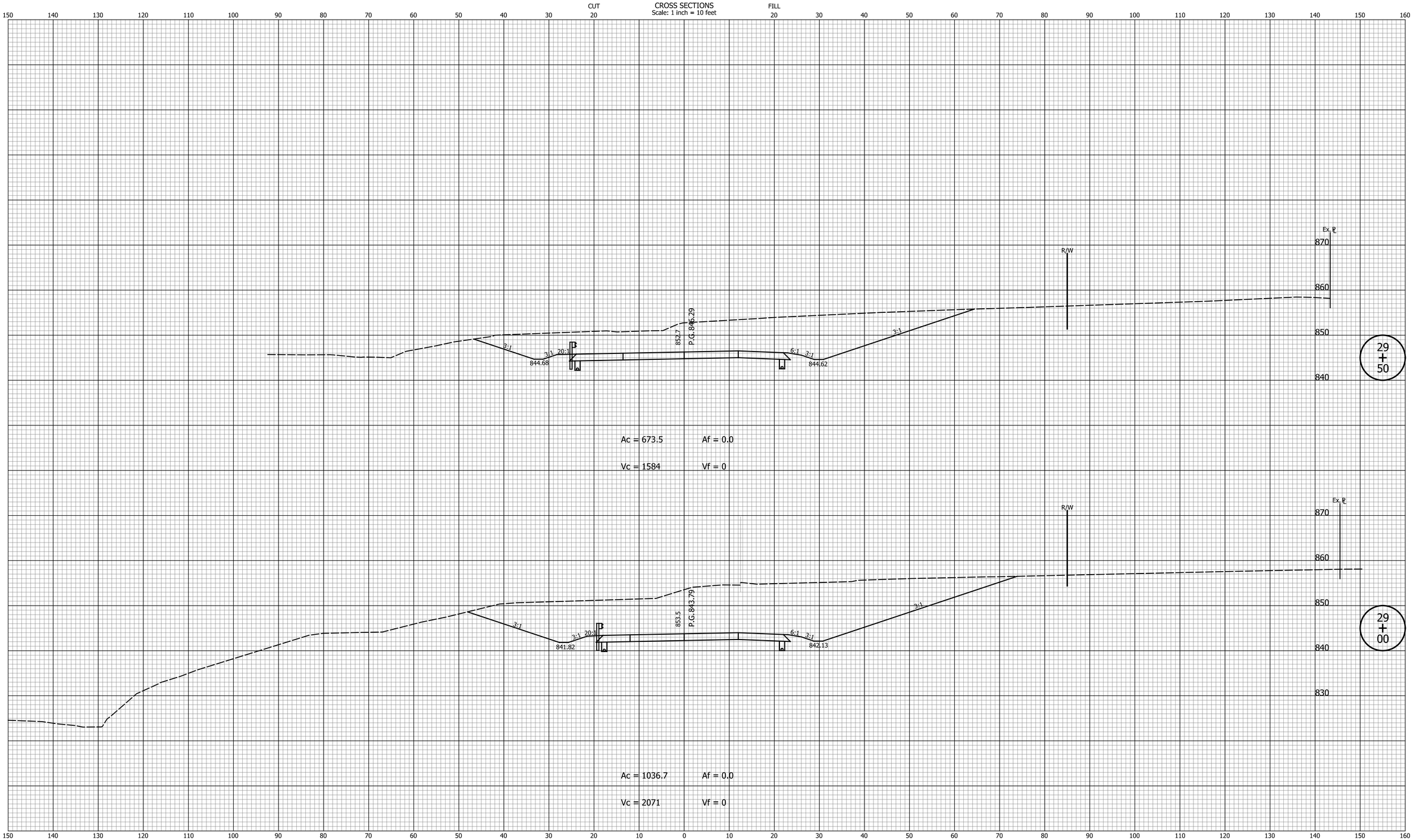
CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	124 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-dot_altcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:39 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.PR-NER.01.dgn

CROSS SECTIONS
Scale: 1 inch = 10 feet



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INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	125 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

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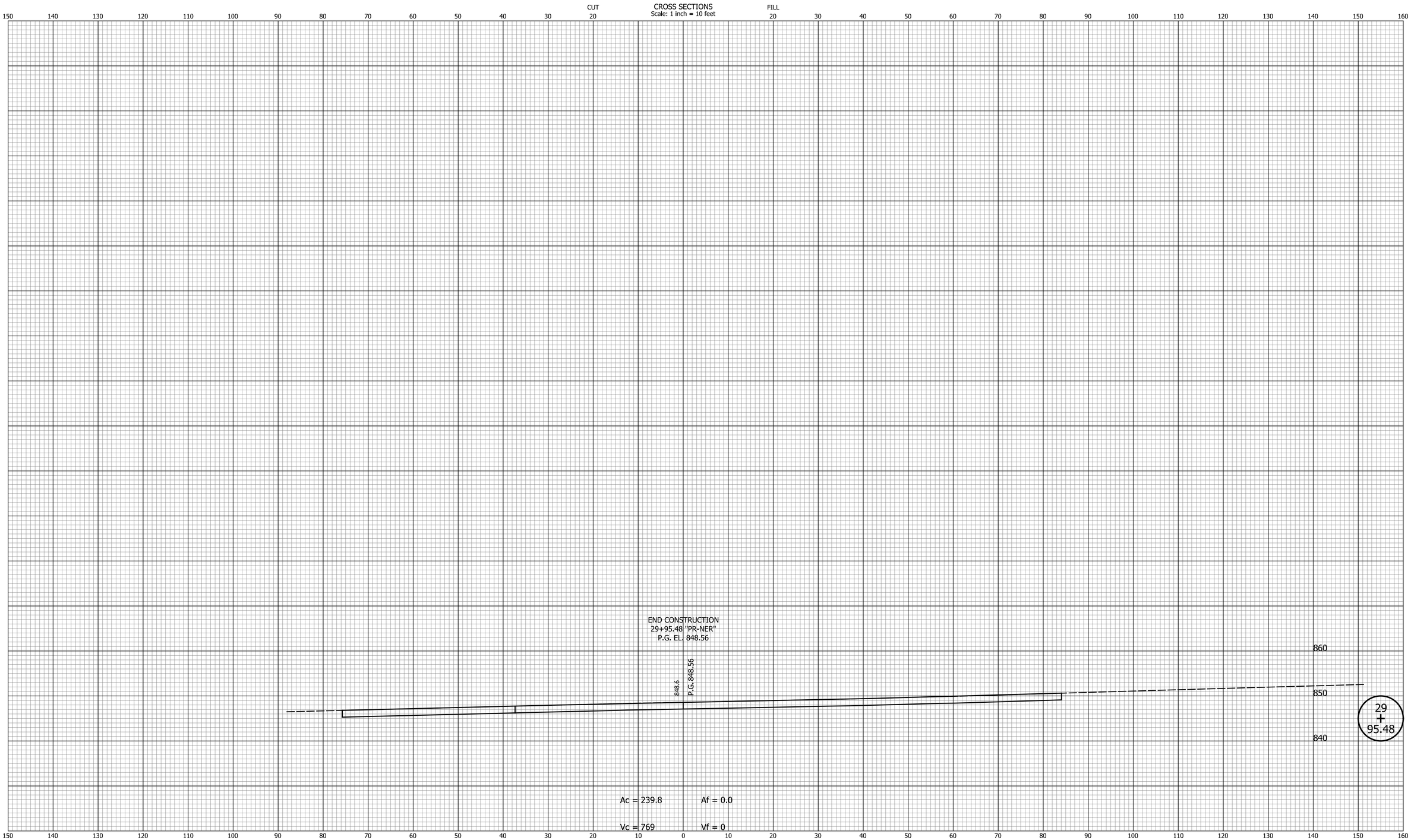

DATE	REVISION

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CHECKED: JPS CHECKED: JPS

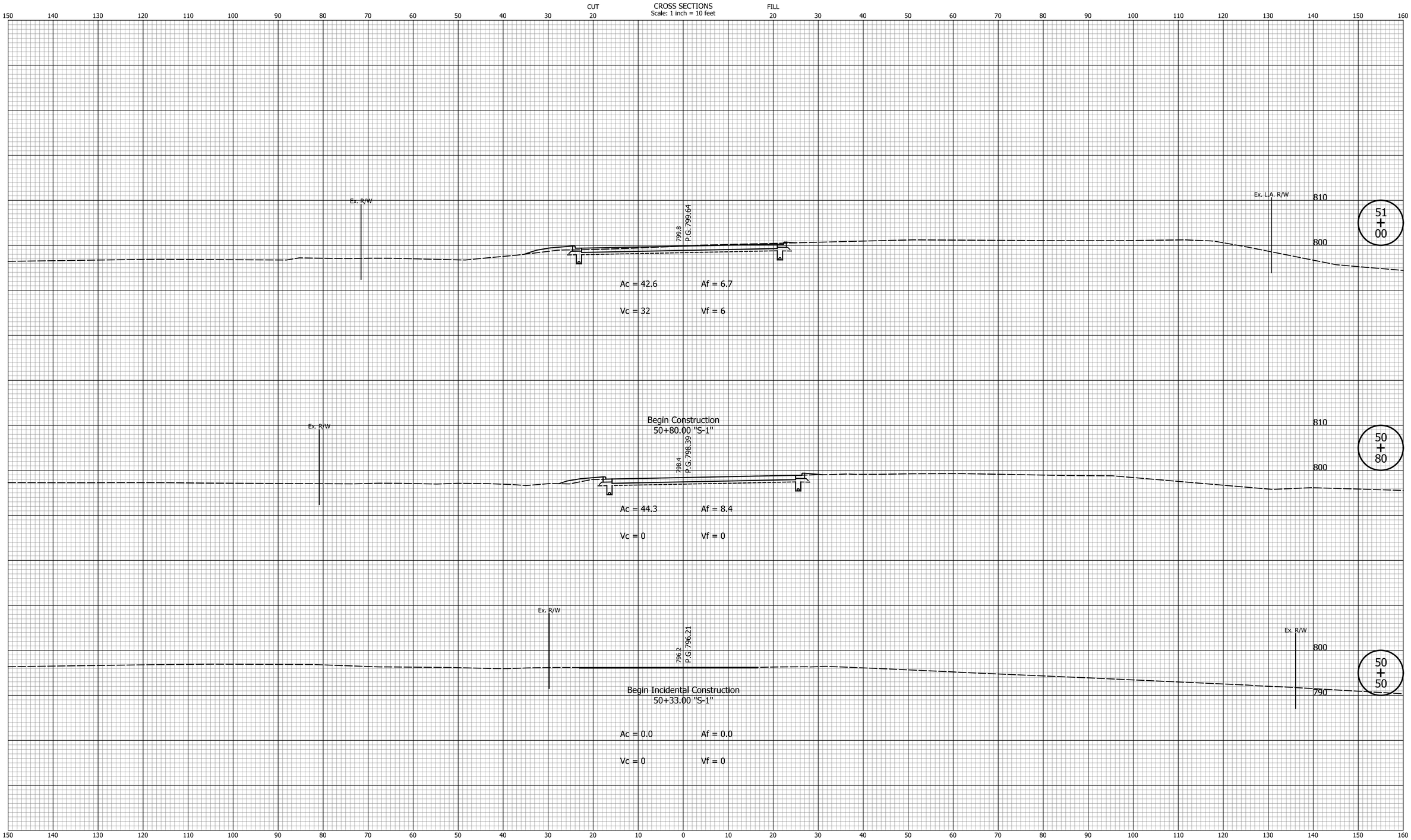
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "NER"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	126 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:40 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.PR-NER.01.dgn



DATE	REVISION

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DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

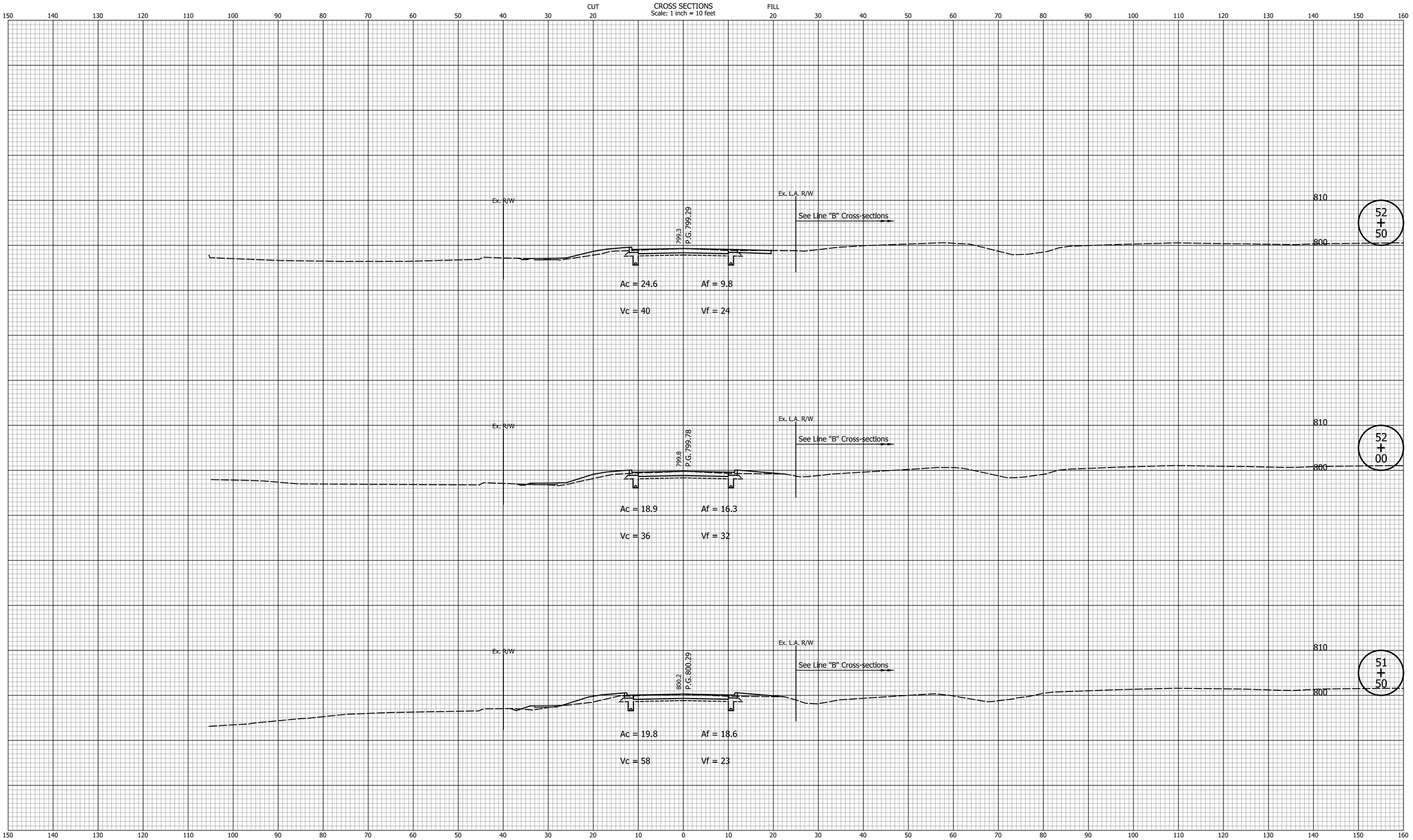
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	127 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf_cfg\cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:40 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.S-1.01.dgn



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CHECKED: JPS CHECKED: JPS

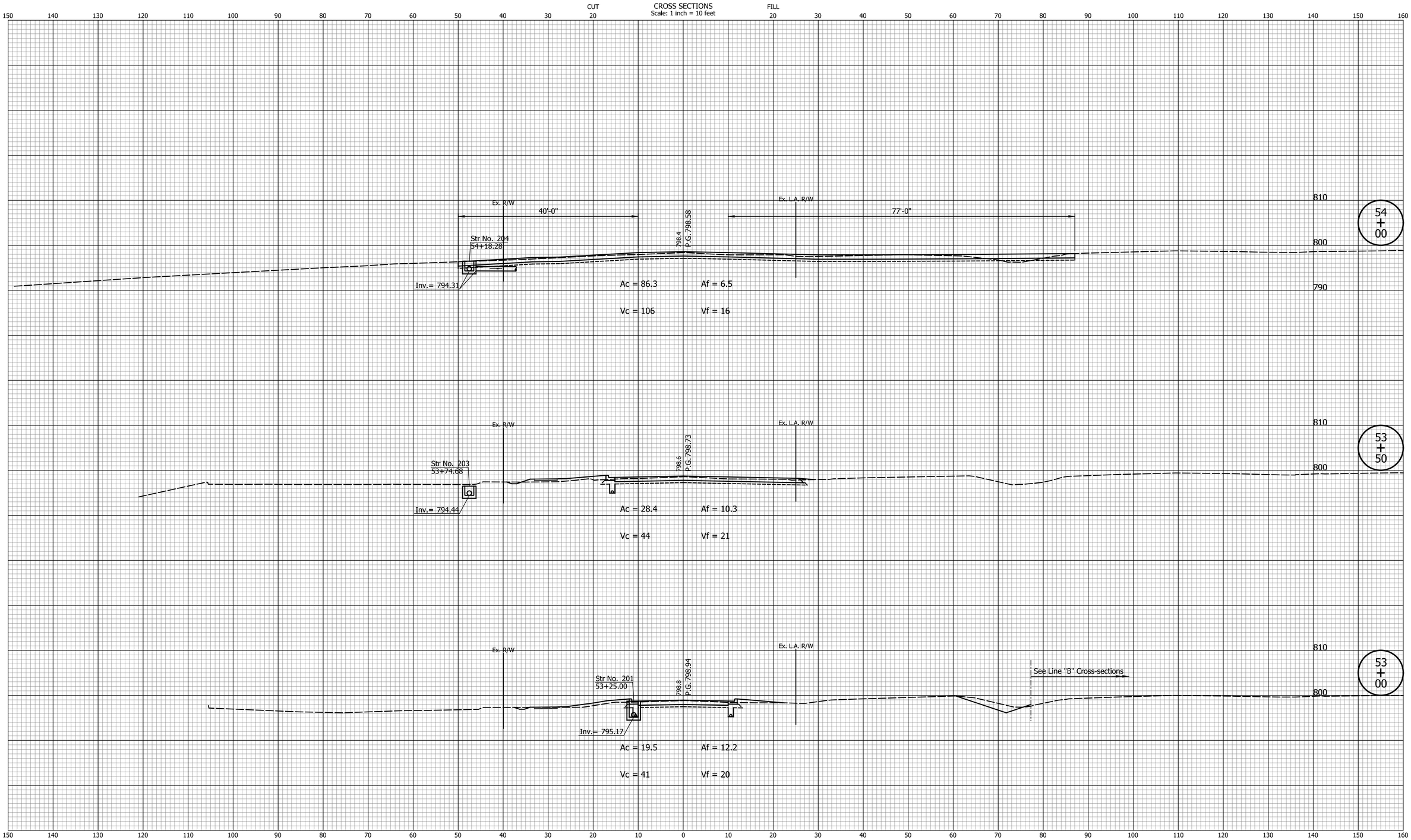
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	128 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf_cfg.cfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:41 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.S-1.01.dgn



DATE	REVISION

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CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	129 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-Pdf.pltcfg
Indiana_Shade.tbl

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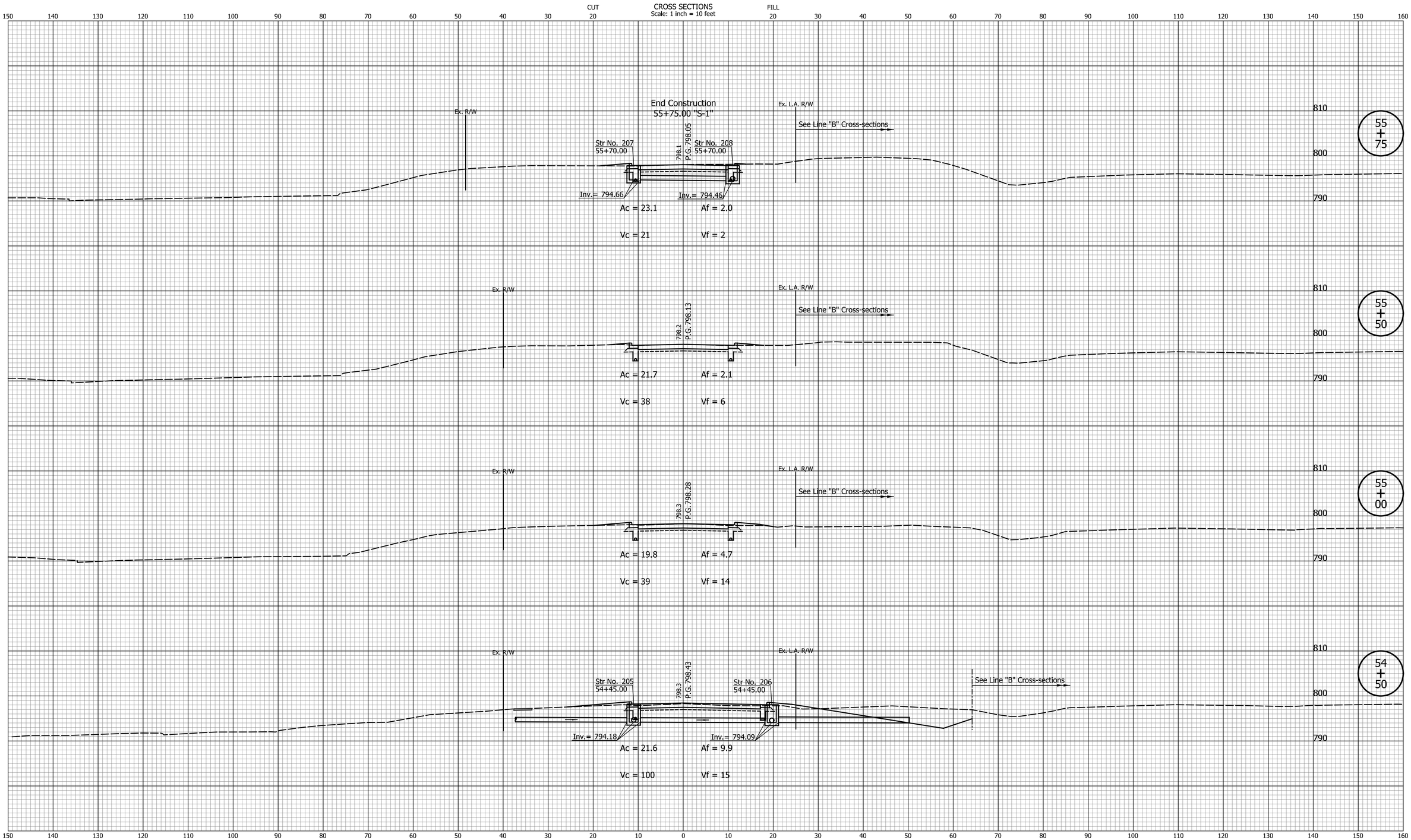

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INDIANA
DEPARTMENT OF TRANSPORTATION

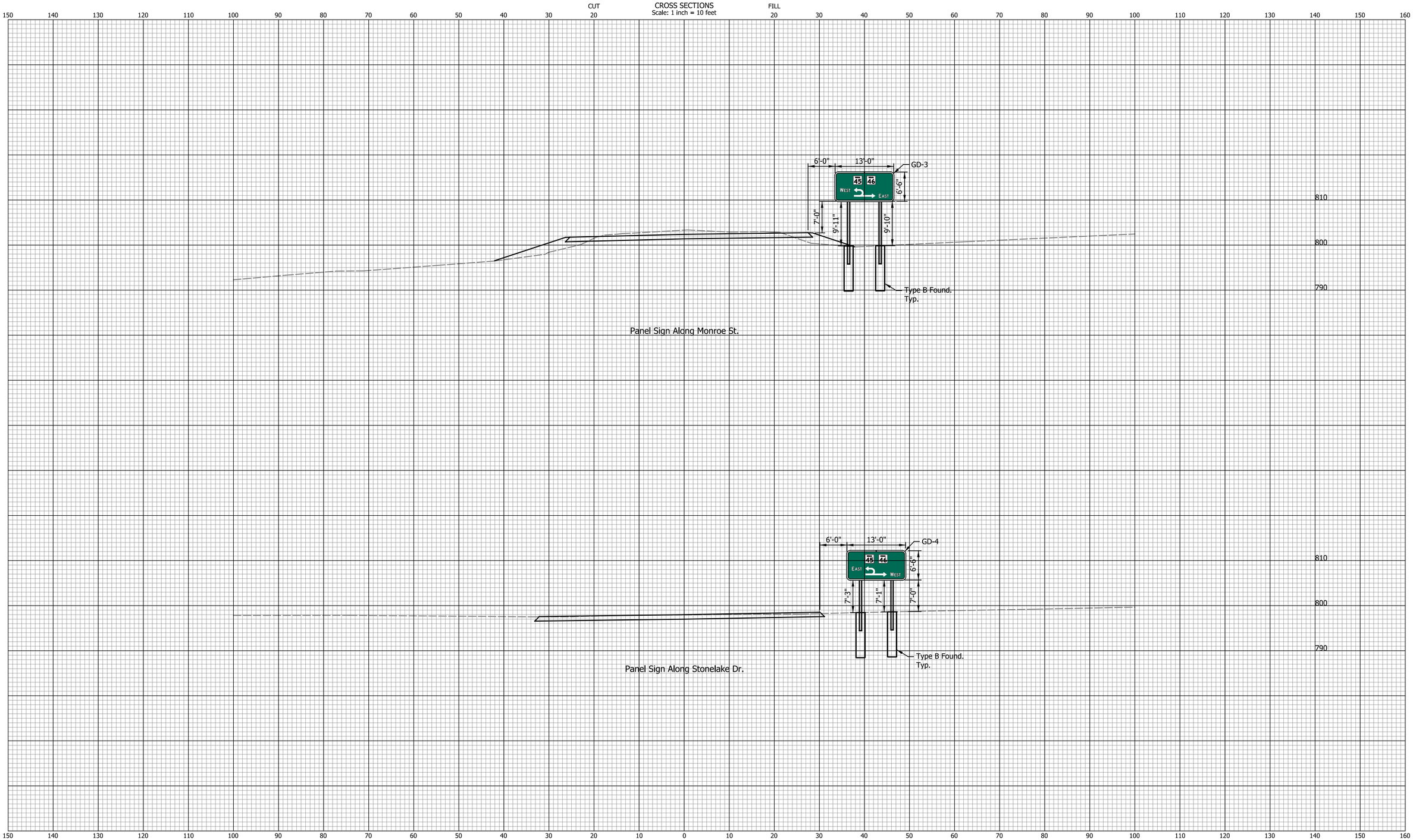
CROSS SECTIONS
LINE "S-1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	130 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:41 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.S-1.01.dgn

CROSS SECTIONS
Scale: 1 inch = 10 feet



DATE	REVISION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: SRS DRAWN: MCC

CHECKED: JPS CHECKED: JPS

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PANEL SIGNS

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700198
SURVEY BOOK	SHEETS
N/A	131 of 131
CONTRACT	PROJECT
R-42426	1700198

Indy-pdf.pltcfg
Indiana_Shade.tbl

Lmichalke 8/30/2023 2:48:41 PM P:\2018\01322\D. Drawings\0301 (SR 46 Improvements)\201801322.0301.RD.CS.SIGNS.01.dgn