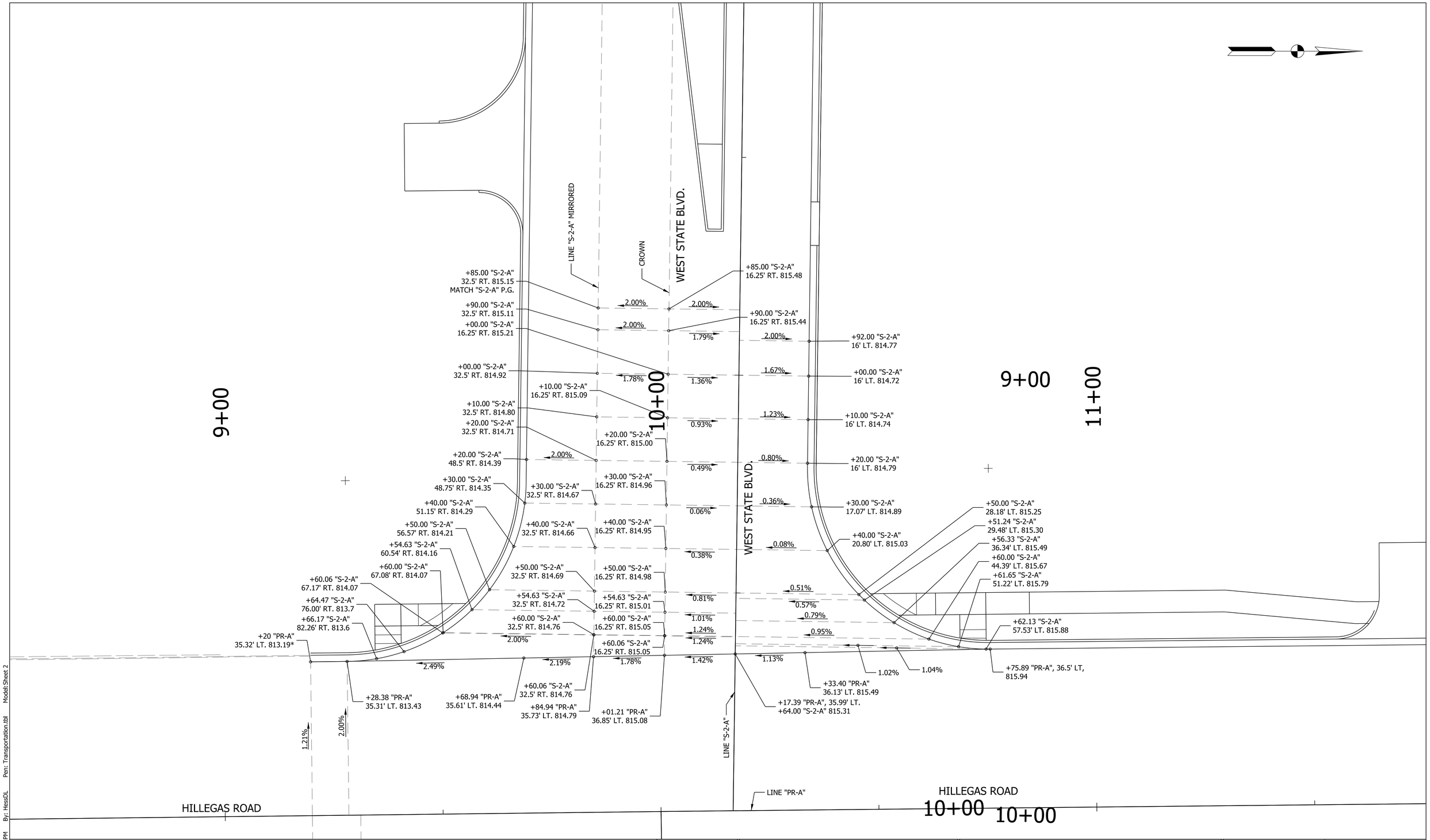


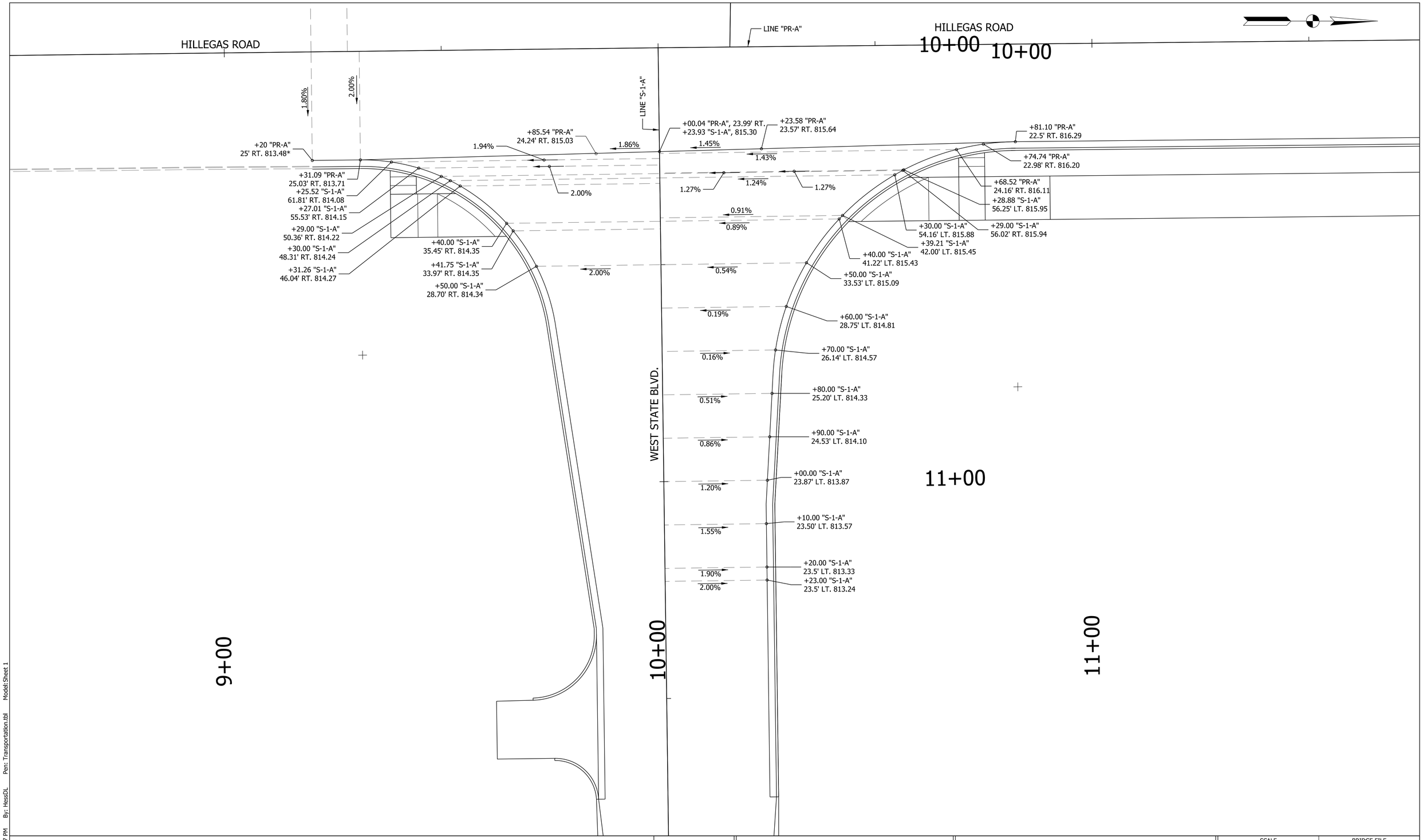
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	CITY OF FORT WAYNE INDIANA
DESIGNED: EJC DRAWN: KTH/DLH CHECKED: MJS CHECKED: MJS/ARW	APPROACH DETAILS STATE BOULEVARD (S-1-A) AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	55 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:19:34 PM By: HessDL Pen: Transportation.tbl Model:Sheet 2

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CHECKED: MJS | CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

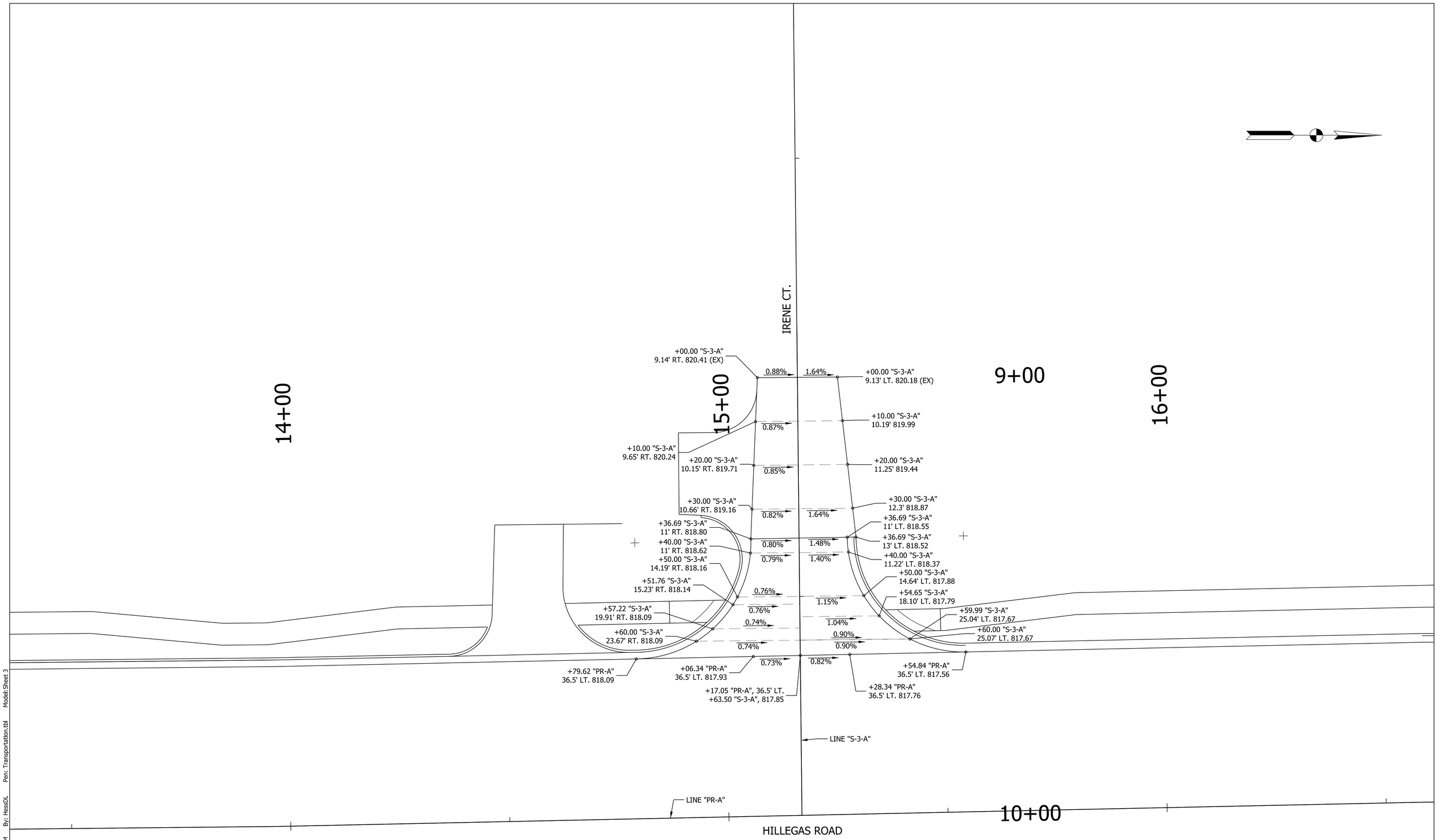
APPROACH DETAILS
STATE BOULEVARD (S-2-A) AND HILLEGAS ROAD

SCALE	BRIDGE FILE
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	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	56 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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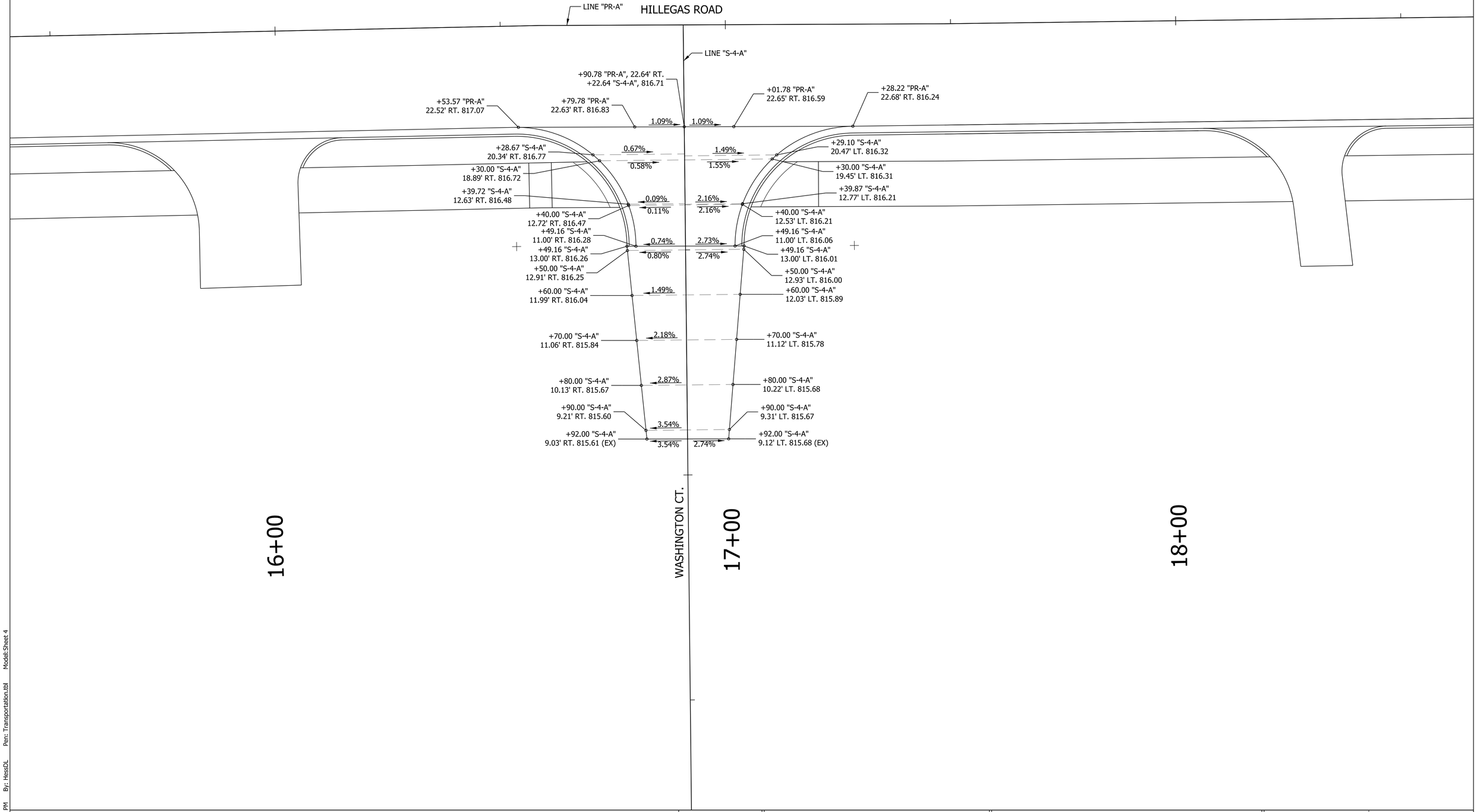
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	CITY OF FORT WAYNE INDIANA
DESIGNED: EJC DRAWN: KTH/DLH CHECKED: MJS CHECKED: MJS/ARW	APPROACH DETAILS IRENE COURT AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-42163	1901705 & 2201692

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DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
WASHINGTON COURT AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	58 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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35+00

36+00

37+00

38+00

+75.00 "S-5-A"
18.5' RT. 815.27

+80.00 "S-5-A"
18.5' RT. 815.18

+90.00 "S-5-A"
18.5' RT. 815.10

+00.00 "S-5-A"
18.5' RT. 815.05

+10.00 "S-5-A"
18.5' RT. 815.06

+20.00 "S-5-A"
18.52' RT. 815.08

+30.00 "S-5-A"
19.79' RT. 815.16

+40.00 "S-5-A"
23.19' RT. 815.29

+50.00 "S-5-A"
29.24' RT. 815.49

+57.86 "S-5-A"
36.75' RT. 815.76

+60.00 "S-5-A"
39.47' RT. 815.85

+63.23 "S-5-A"
44.43' RT. 816.02

+67.62 "S-5-A"
54.42' RT. 816.08

+69.17 "S-5-A"
60.63' RT. 816.14

+74.70 "PR-A"
31.5' LT. 816.18

2.00%
1.98%
1.57%
1.17%
0.76%
0.35%
0.06%
0.46%
0.87%
1.19%
1.28%
1.41%
1.78%

LINE "S-5-A"

W. BUTLER ROAD

+25.07 "PR-A"
31.5' LT. 815.61

+43.58 "PR-A", 31.5' LT.
+68.49 "S-5-A" 815.46

2.00%
2.00%
1.70%
1.30%
0.89%
0.48%
0.23%
0.08%
0.03%
0.43%

+09.00 "S-5-A"
18.5' LT. 814.83

+10.00 "S-5-A"
18.5' LT. 814.83

+20.00 "S-5-A"
18.70' LT. 814.83

+30.00 "S-5-A"
20.60' LT. 814.88

+40.00 "S-5-A"
24.74' LT. 814.96

+50.00 "S-5-A"
31.83' LT. 815.09

+56.19 "S-5-A"
38.52' LT. 815.21

+60.00 "S-5-A"
44.20' LT. 815.32

+61.22 "S-5-A"
46.43' LT. 815.35

+65.94 "S-5-A"
59.94' LT. 815.32

+66.79 "S-5-A"
66.21' LT. 815.30

+62.08 "PR-A"
31.5' LT. 815.36

+14.74 "PR-A"
31.5' LT. 815.29

LINE "PR-A"

HILLEGAS ROAD

10+00

HILLEGAS ROAD

Plot:7/9/2025 2:19:43 PM By: HessDL Pen: Transportation.tbl Model:Sheet 5

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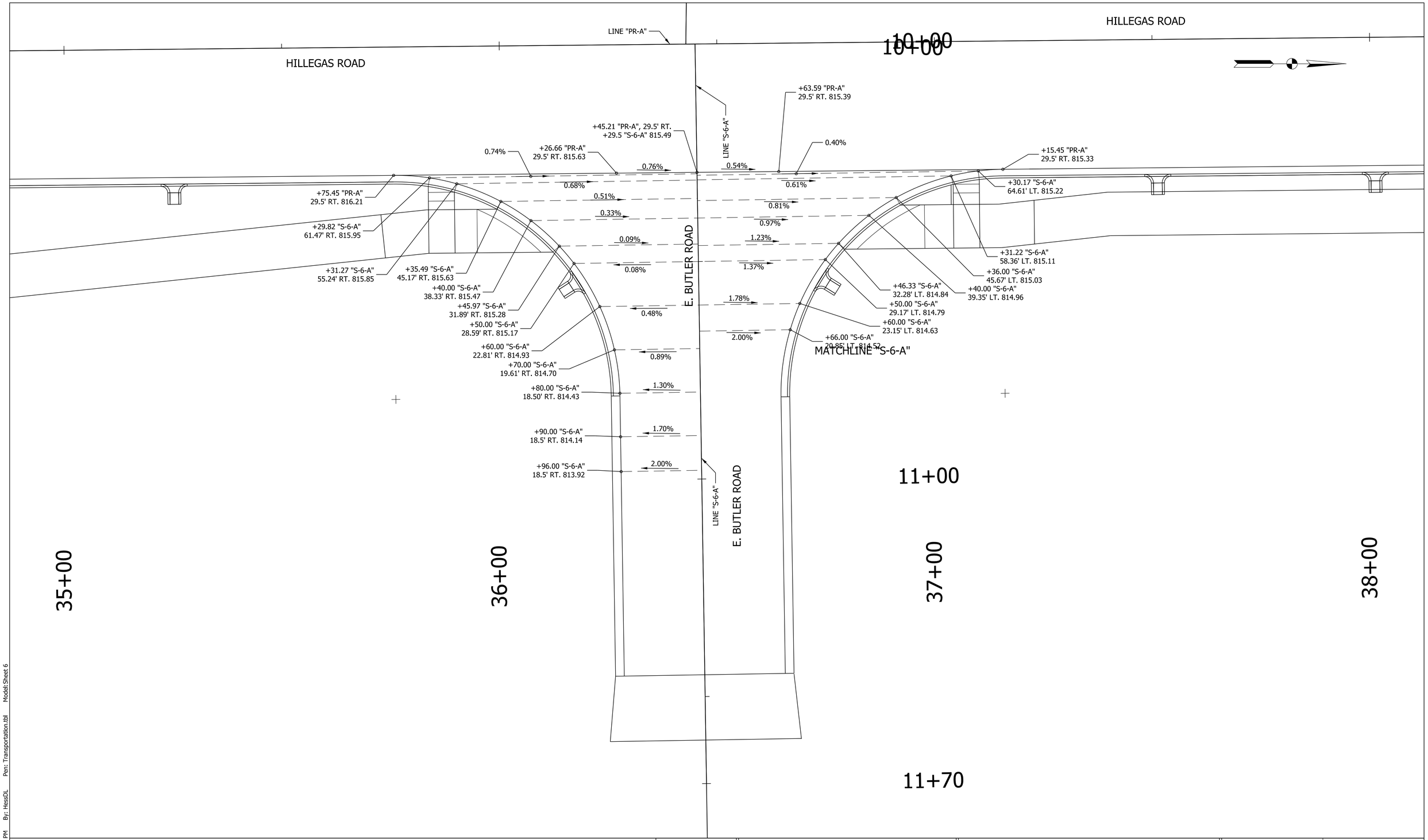
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CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
BUTLER ROAD AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	59 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Approach Details - Project 1.dgn



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DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

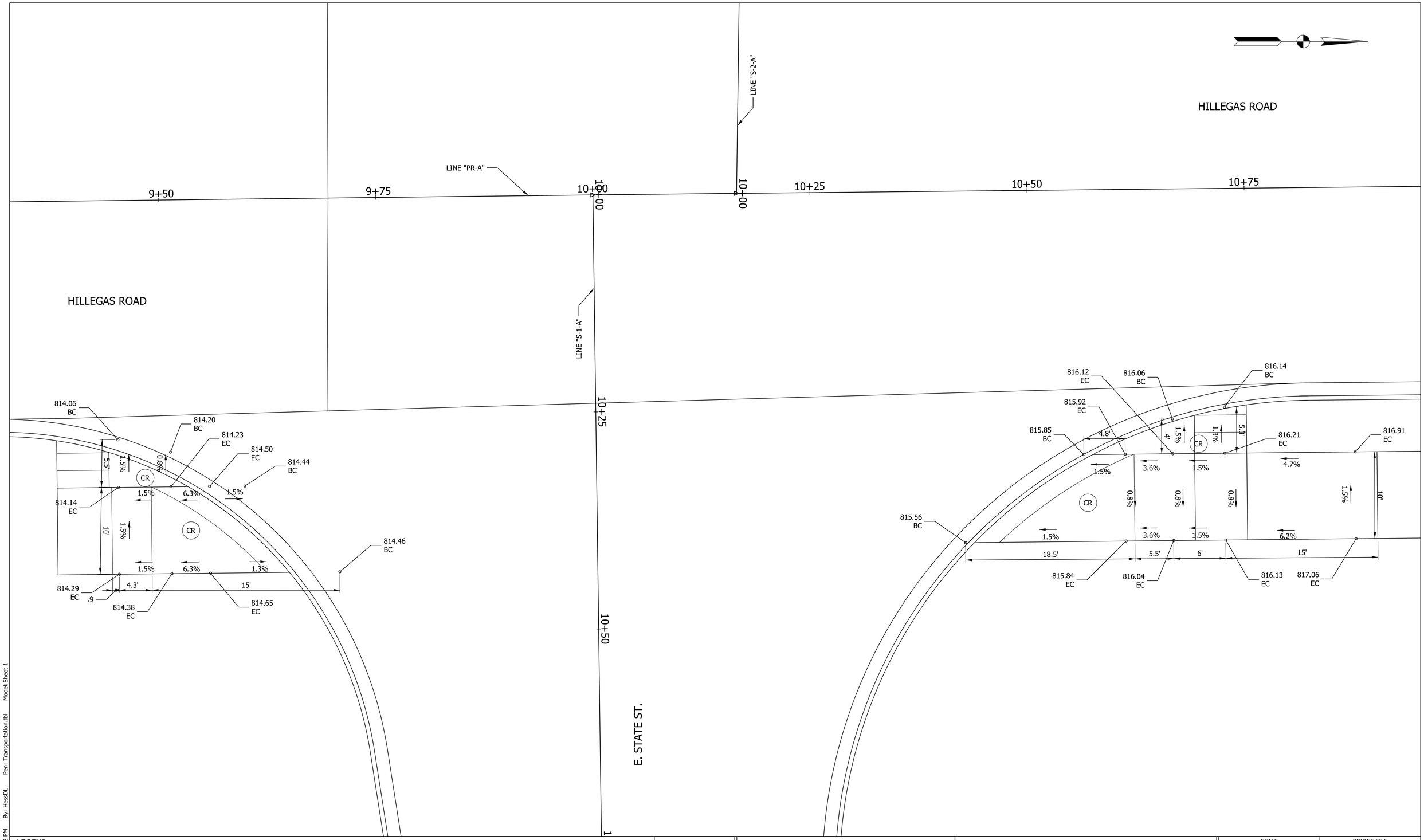
APPROACH DETAILS
BUTLER ROAD AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	60 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:19:46 PM By: HeissDL Pen: Transportation.tbl Model:Sheet 6

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LEGEND

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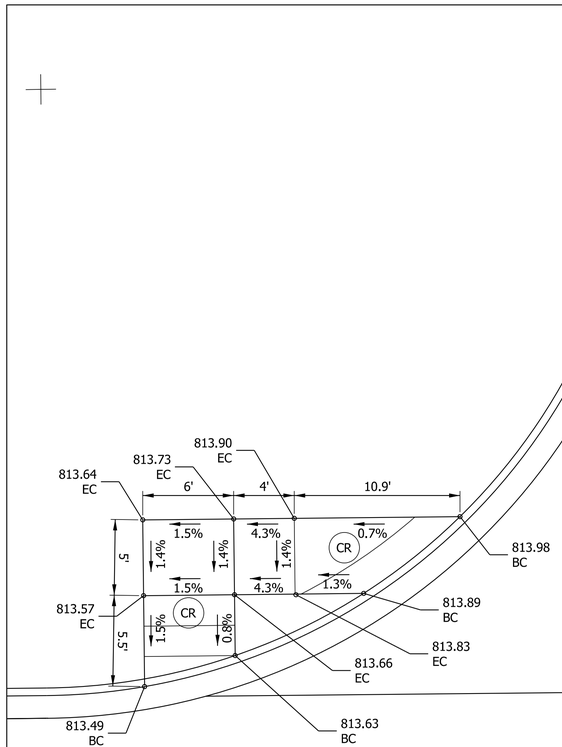
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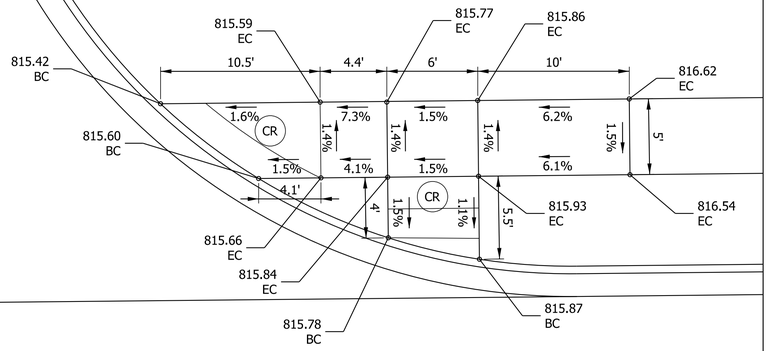
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	CITY OF FORT WAYNE INDIANA
DESIGNED: EJC DRAWN: KTH/DLH	CURB RAMP DETAIL STATE STREET AND HILLEGAS ROAD
CHECKED: MJS CHECKED: MJS/ARW	

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	61 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:19:52 PM By: HessDL Pen: Transportation.tbl Model:Sheet 1

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LEGEND

(CR) CURB RAMP

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DESIGN ENGINEER DATE

DESIGNED: EJC

DRAWN: KTH/DLH

CHECKED: MJS

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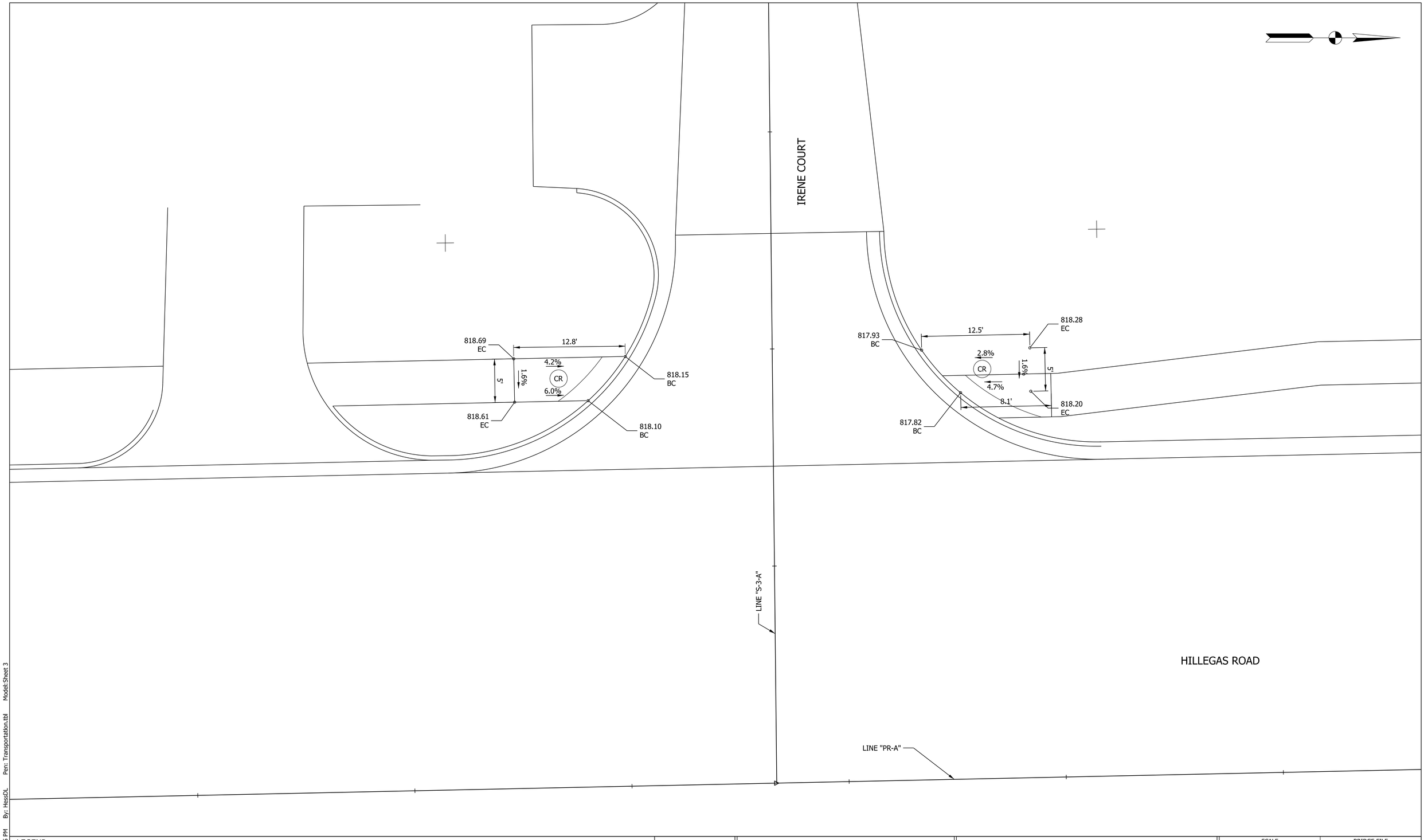
CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAIL
STATE STREET AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	62 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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DESIGN ENGINEER DATE

DESIGNED: EJC | DRAWN: KTH/DLH

CHECKED: MJS | CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

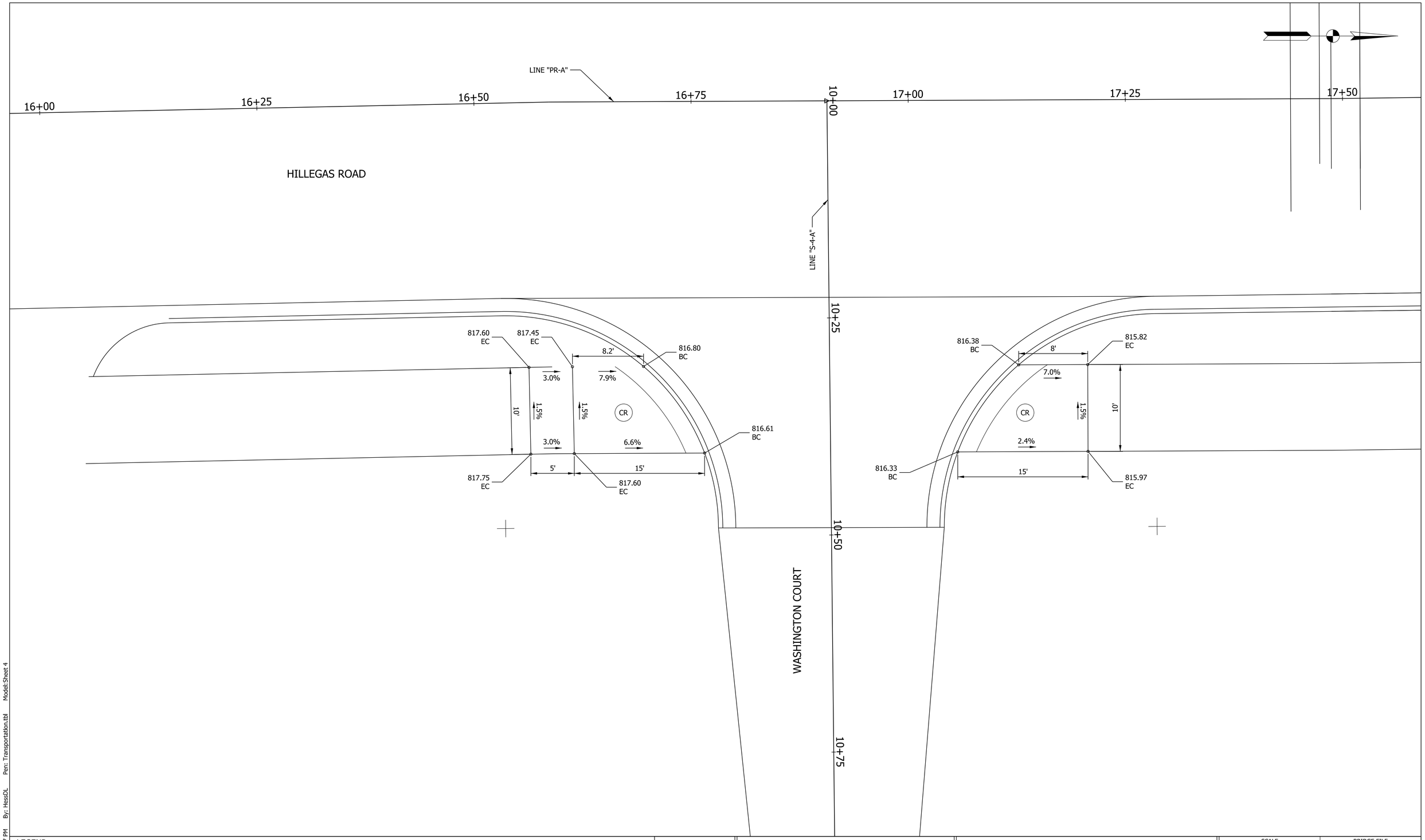
CURB RAMP DETAILS
IRENE COURT AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	63 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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LEGEND

(CR) CURB RAMP

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DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
WASHINGTON COURT AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	64 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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HILLEGAS ROAD

HILLEGAS ROAD

LINE "PR-A"

LINE "S-5-A"

LINE "S-6-A"

35+75 36+00 36+25 10+00 10+00 36+50 36+75 37+00 37+25

10+25

10+50

10+75

BUTLER ROAD

816.00 BC
816.10 BC
816.06 EC
816.80 EC
816.15 EC
815.81 EC
815.75 BC
815.47 BC
816.95 EC
816.22 EC
816.13 EC
815.73 EC
CR
0.9%
1.5%
6.5%
1.5%
4.9%
1.3%
10.26'
1.5%
0.7%
0.7%
0.8%
7.3%
1.5%
7.8%
1.5%
10'
6'
5.1'
17.4'

815.31 BC
815.29 BC
815.28 EC
815.23 BC
815.20 BC
815.24 EC
815.89 EC
815.08 BC
815.35 EC
815.15 EC
815.24 EC
816.04 EC
CR
5.5'
4'
1.5%
1.3%
5.4'
1.5%
1.7%
0.2%
4.33%
0.7%
0.8%
1.5%
10'
1.5%
3.3%
1.5%
5.33%
18.3'
4.2'
6'
15'

LEGEND

(CR) CURB RAMP

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RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

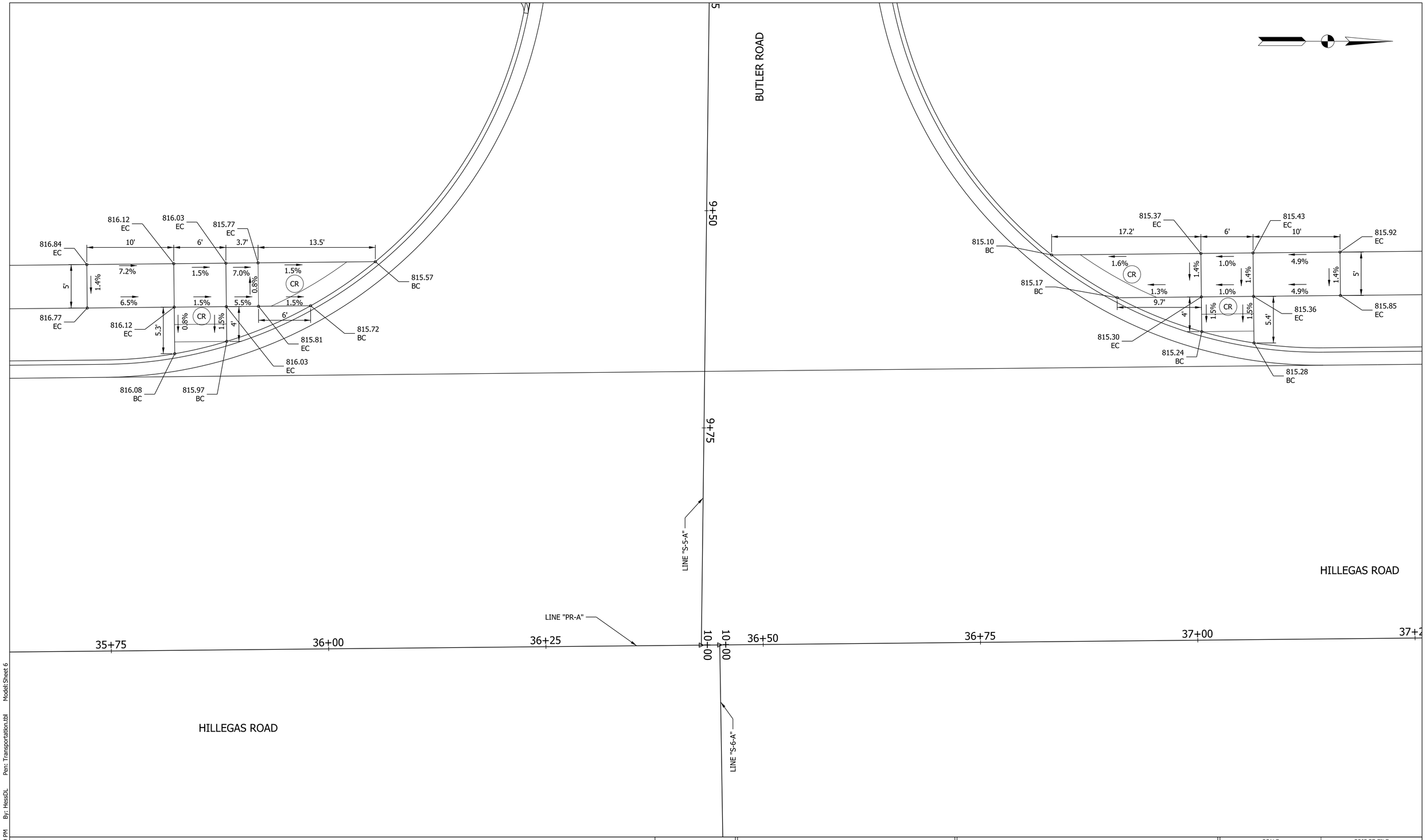
CURB RAMP DETAILS
BUTLER ROAD AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	65 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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LEGEND

(CR) CURB RAMP

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DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

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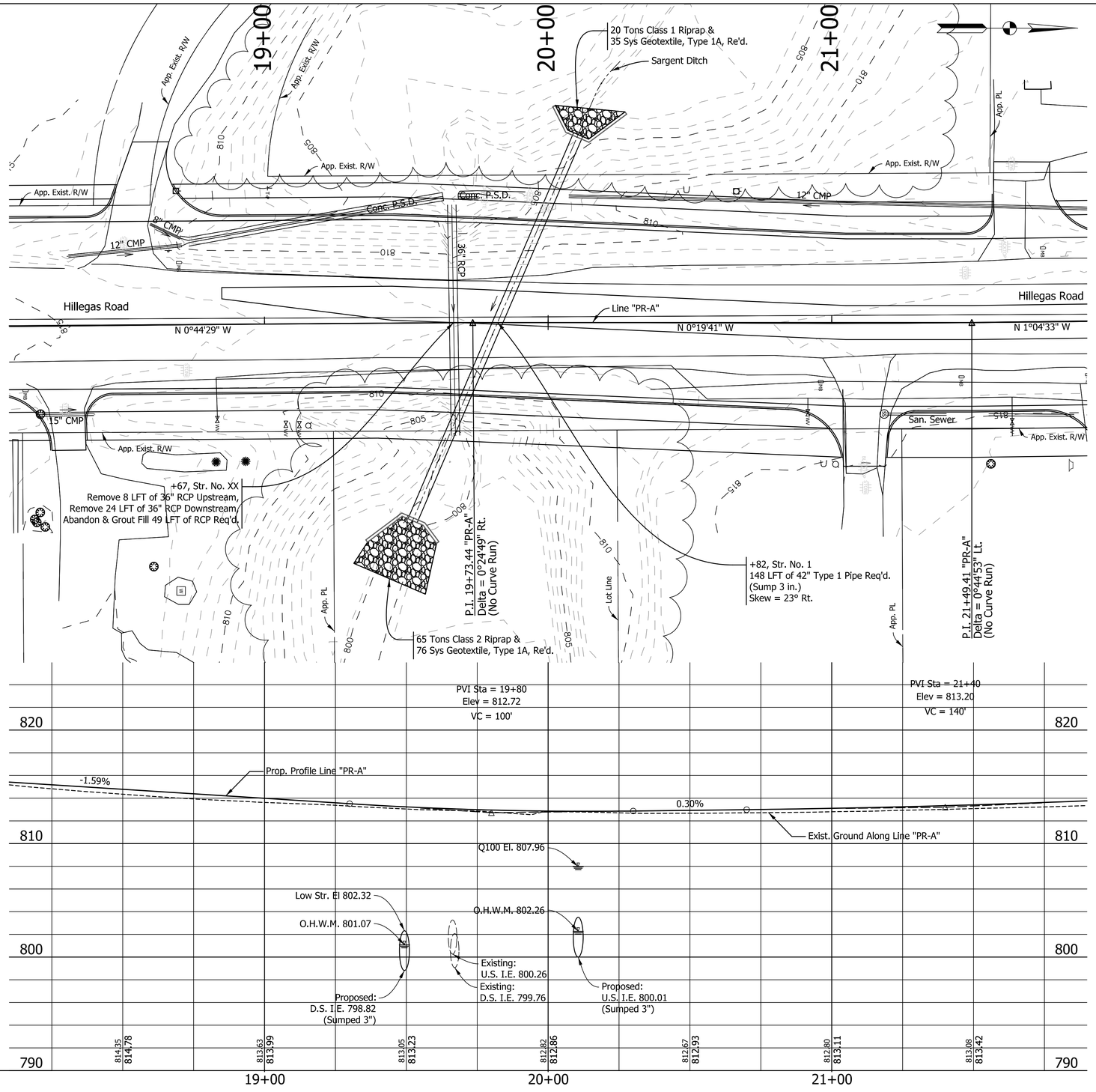
CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
BUTLER ROAD AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	66 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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EXISTING STRUCTURE

Present Structure is a 36" Reinforced Concrete Pipe.
(Present Structure is to be partially removed, plugged and filled with flowable fill.)

HYDRAULIC DATA

Drainage Area	136	Acres
Design Discharge, Q100	93	Cfs.
High Water Elevation, Q100	El. 807.96	
Existing Small Structure		
Waterway Area		
Net Area Thru Str.	7.1	Sft
Gross Area thru Str.	7.1	Sft
Area Over Road	0	Sft
Velocity thru Str. Q50	10.7	Fps.
Backwater at Q100	3.74	ft.
Low Structure Elev.	El. 802.07	
Proposed Culvert		
Waterway Area		
Net Area Thru Culvert	9.3	Sft
Provided Gross Area thru Culvert	9.3	Sft
Area Over Road	0	Sft
Velocity thru Str. Q50	9.3	Fps.
Backwater at Q100	3.56	ft.
Proposed Low Structure Elev.	El. 802.32	
Skew	23° Rt.	
Flowline Elevation (@ Upstream)	El. 800.26	
Flowline Elevation (@ Downstream)	El. 799.07	

PIPE, TYPE 1, CIRCULAR, 42"
62'-0" CLEAR ROADWAY SKEW: 23° Rt.
HILLEGAS ROAD OVER SARGENT DITCH
ALLEN COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

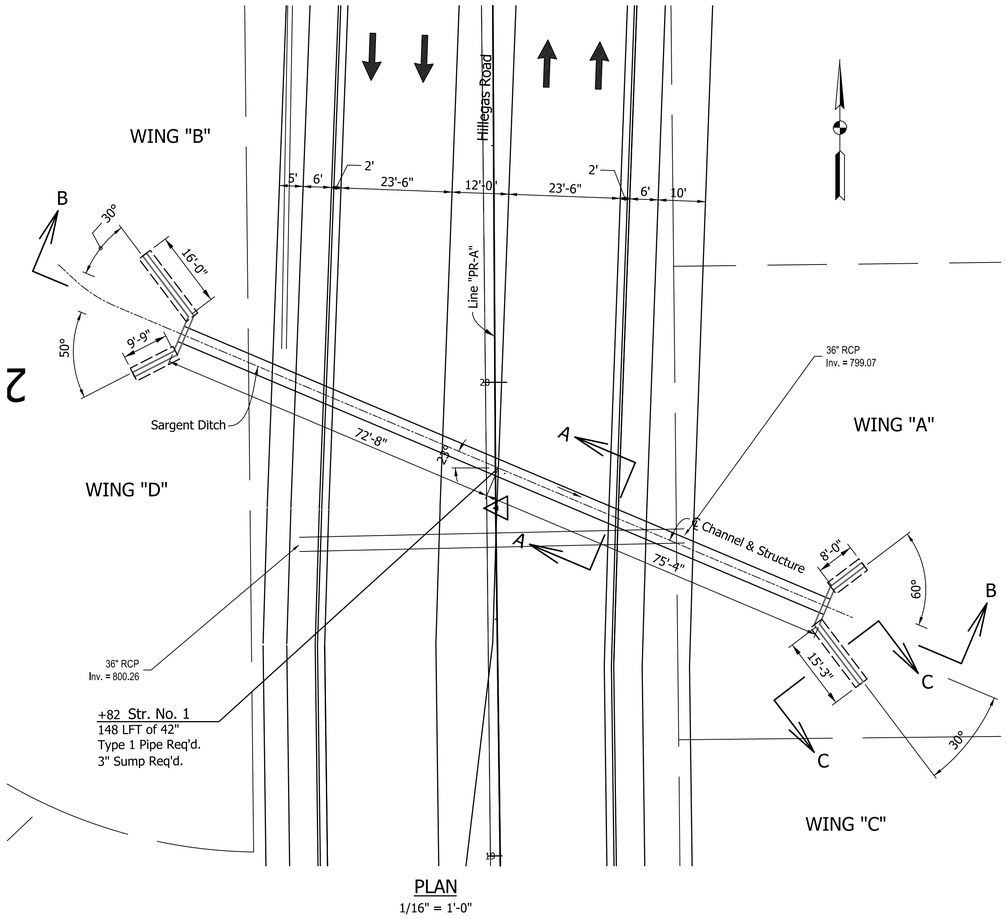
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CITY OF FORT WAYNE
INDIANA

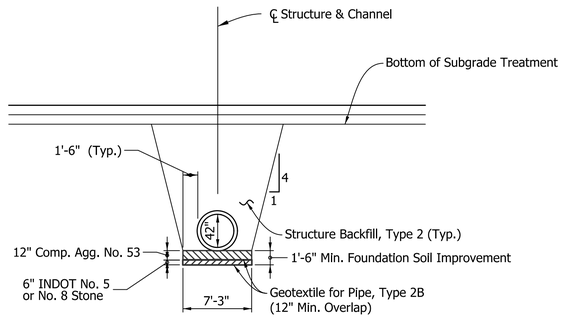
LAYOUT SHEET
SARGENT DITCH

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1901705 & 2500056
SURVEY BOOK	SHEETS
Electronic	of
CONTRACT	
R-46105	

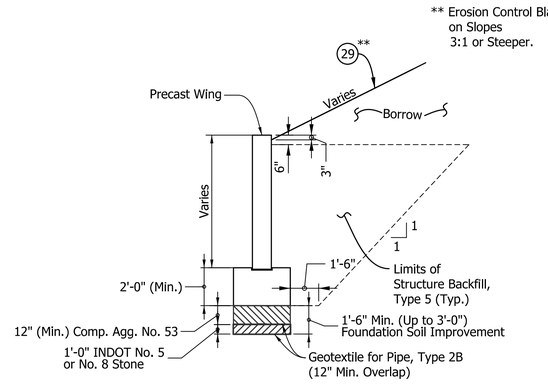
7/8/2025 8:58:49 AM P:\2100501\09Road\04 Design files\02 DGN\Plans\2100501_Sht_Layout Plan_01.dgn



PLAN
1/16" = 1'-0"



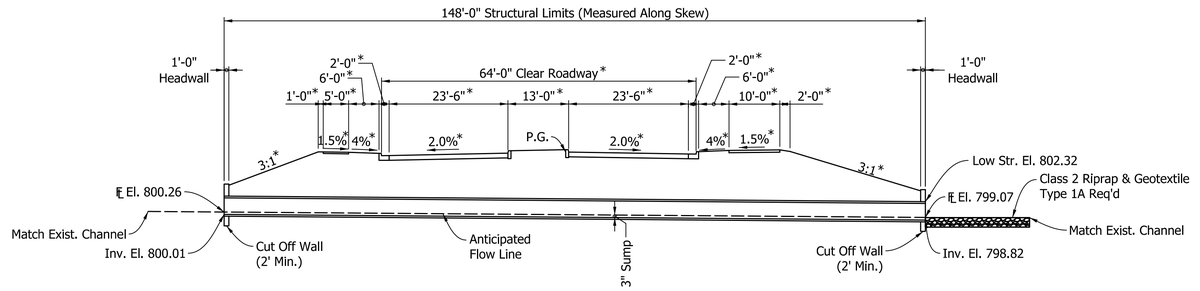
SECTION A-A
1/8" = 1'-0"



SECTION C-C
1/8" = 1'-0"

Culvert & Wingwall Foundation Soil Improvement Quantities

Excavation, Common	76	CYS
Compacted Aggregate No. 8	26	CYS
Compacted Aggregate No. 53	50	CYS
Geotextile For Pipe, Type 2B	340	SYS



* Perpendicular to "Line PR-A"

SECTION B-B
1/16" = 1'-0"

NOTES:

The Contractor shall verify the existing flowline elevation to set the appropriate sump depth. (3" Sump)

Where foundation soil improvement is required, 12 inches of soil shall be excavated below the base of the structure. A Type 2B geotextile in accordance with 918.02(b) shall be placed at the base of the excavation. The excavation shall then be backfilled with 6 inches of INDOT No. 5 or No. 8 stone. The geotextile placed at the base of the excavation shall be wrapped around the sides and over the top of the INDOT No. 5 or No. 8 stone to serve as a second layer of geotextile. The remaining 6 inches shall be backfilled with No. 53 aggregate above the upper layer of geotextile. The structure shall be constructed on the No. 53 aggregate.

For General Notes and Wingwall Information, See Sht. ___.

PIPE, TYPE 1, CIRCULAR, 42"
62'-0" CLEAR ROADWAY SKEW: 23° Rt.
HILLEGAS ROAD OVER SARGENT DITCH
ALLEN COUNTY

RECOMMENDED FOR APPROVAL
/ DESIGN ENGINEER DATE

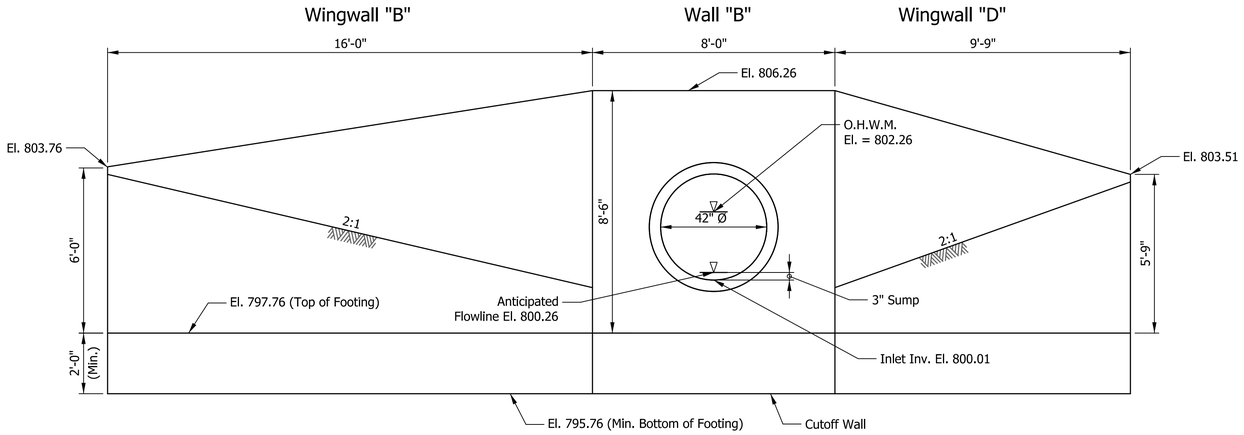
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CITY OF FORT WAYNE
INDIANA

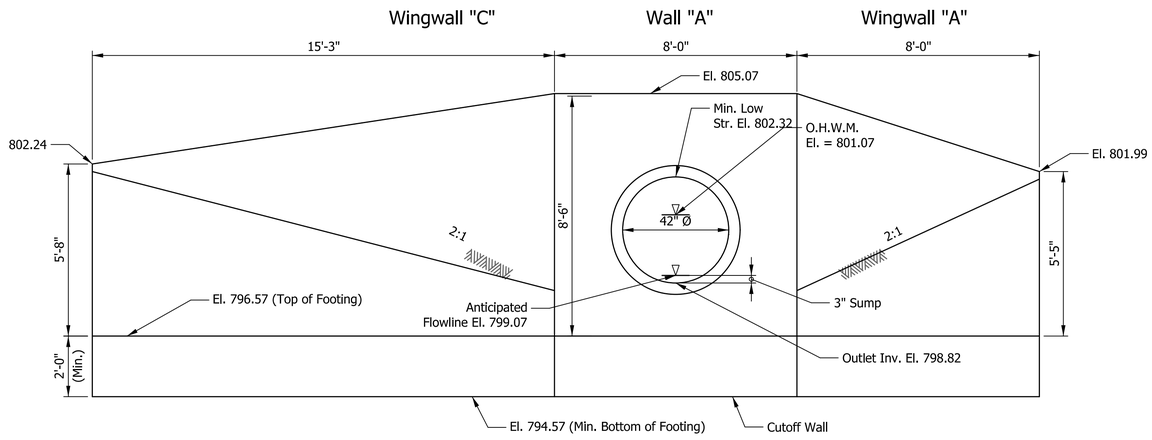
GENERAL PLAN
SARGENT DITCH

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1901705 & 2500056
SURVEY BOOK	SHEETS
Electronic	of
CONTRACT	
R-46105	

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UPSTREAM ELEVATION
NOT TO SCALE



DOWNSTREAM ELEVATION
NOT TO SCALE

GENERAL NOTES

Reinforcing steel covering in footings shall be 3" in the top and sides and 4" in the bottom. All other parts to be 2" unless otherwise noted.

Alternate Cast-In-Place Wings may be substituted for the Precast Wing shown in Section C-C.

The exposed faces of headwalls & wings to be sealed in accordance with Article 702.21 of the specifications. (Estimated quantity = 458 Sft)

Contractor shall verify the existing flow line elevation to set appropriate sump depth. (3" Sump)

The minimum width for the wing footing shall be 3'-0".

Waterproof concrete pipe for the structure's entire length in accordance with Article 702.23 of specifications.

The contractor shall submit shop drawings for headwall, wingwall, & foundation designs for review prior to construction.

DESIGN DATA

Live Load: Designed for HL-93 loading in accordance with 2020 AASHTO LRFD Bridge Design Specifications and all subsequent interims.

Dead Load: Actual Weight plus 35 psf (composite) for future wearing surface.

Design Strengths: To be in accordance with 2020 AASHTO LRFD Bridge Design Specifications and all subsequent interims.

Concrete:
Class "A": f'c = 4000 psi
Class "B": f'c = 3000 psi

Reinforcing Steel:
Grade 60: fy = 60,000 psi

WING INFORMATION		
	AREAS	LENGTH
Wing "A"	56 Sft.	8'-0"
Wing "B"	116 Sft.	16'-0"
Wing "C"	108 Sft.	15'-3"
Wing "D"	70 Sft	9'-9"
Wall "A"	54 Sft.	8'-0"
Wall "B"	54 Sft.	8'-0"

SOIL PARAMETERS FOR FOOTING/WING DESIGN			
Footing Width (ft)	3	4	5
Factored Bearing Resistance (C_R) (psf)	4,040	3,760	3,630
Bearing Resistance Factor (φ_b) (psf)	0.45	0.45	0.45
Nominal Bearing Resistance (C_n)	8,970	8,360	8,070
Angle of Internal Friction of Foundation Soil, φ	32°	32°	32°
Friction Factor between Footing & Foundation Soil, f	0.62	0.62	0.62
Cohesion of Foundation Soil (C) (psf)	N/A	N/A	N/A
Adhesion of Foundation Soil (Ca) (psf)	N/A	N/A	N/A
Angle of Internal Friction of Backfill (Ø)	32°	32°	32°
Interface Friction Angle Between Crete & Backfill (δ)	17°	17°	17°

PIPE, TYPE 1, CIRCULAR, 42"
62'-0" CLEAR ROADWAY SKEW: 23° Rt.
HILLEGAS ROAD OVER SARGENT DITCH
ALLEN COUNTY

Note: See Sheet No. __ for General Plan and Sections.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DJG DRAWN: DJG

CHECKED: VGE CHECKED: VGE

CITY OF FORT WAYNE
INDIANA

GENERAL PLAN
SARGENT DITCH

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1901705 & 2500056
SURVEY BOOK	SHEETS
Electronic	of
CONTRACT	
R-46105	

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19+00
20+00
21+00
22+00
23+00
24+00
25+00
N00°36'08"W
RD
LOT 30
LOT 98
SARGENT DRAIN
Wash
STR. 28
-00 OFF: -30.50L
-4-1 on STR-30-2
f 24" Pipe Req'd.
STR. 29
+00 OFF: 23.50R
3(4) on STR-32-2
of 12" Pipe Req'd.
STR. 31
STA: 19+43 OFF: -30.35L
C-4-1 on STR-30-2
78' of 30" Pipe Req'd.
STR. 32
STA: 19+51 OFF: -37.24L
C-11-3(4) on STR-32-2
11' of 12" Pipe Req'd.
STR. 33
STA: 19+82 OFF: -35.85L
C-11-3(4) on STR-32-2
32' of 12" Pipe Req'd.
STR. 34
STA: 20+21 OFF: 34.50R
C-7-1 on STR-30-3
40' of 36" Pipe Req'd.
STR. 35
STA: 20+21 OFF: -27.50L
C-4-1 on STR-30-3
62' of 36" Pipe Req'd.
STR. 36
STA: 20+14 OFF: -34.48L
C-11-3(4) on STR-32-2
10' of 12" Pipe Req'd.
STR. 37
STA: 20+50 OFF: -32.90L
C-11-3(4) on STR-32-2
36' of 12" Pipe Req'd.
STR. 38
STA: 20+84 OFF: 37.90R
12" Cleanout - See Detail
63' of 12" Pipe Req'd.
STR. 39
STA: 20+94 OFF: -30.98L
C-11-3(4) on STR-32-2
44' of 12" Pipe Req'd.
STR. 41
STA: 21+30 OFF: 38.50R
C-8-1(2) on STR-32-3
46' of 12" Pipe Req'd.
STR. 42
STA: 21+70 OFF: 38.50R
12" Cleanout - See Detail
40' of 12" Pipe Req'd.
STR. 43
STA: 22+26 OFF: -30.50L
C-11-3(4) on STR-32-2
9' of 12" Pipe Req'd.
STR. 44
STA: 22+32 OFF: -23.50L
C-4-1 on STR-30-2
211' of 36" Pipe Req'd.
STR. 40
STA: 22+27 OFF: 38.61R
C-8-1(2) on STR-32-3
57' of 12" Pipe Req'd.
STR. 45
STA: 23+00 OFF: -30.50L
C-11-3(4) on STR-32-2
66' of 12" Pipe Req'd.
STR. 46
STA: 23+30 OFF: 38.58R
C-8-1(2) on STR-32-3
103' of 12" Pipe Req'd.
STR. 47
STA: 23+72 OFF: -23.50L
C-4-1 on STR-30-2
140' of 30" Pipe Req'd.
STR. 48
STA: 23+66 OFF: -30.50L
C-11-3(4) on STR-32-2
69' of 12" Pipe Req'd.
9' of 12" Pipe Req'd.
STR. 49
STA: 23+70 OFF: 38.50R
6" Cleanout - See Detail
40' of 6" Pipe Req'd.
STR. 50
STA: 24+24 OFF: -60.00L
C-8-1(2) on STR-32-3
STR. 51
STA: 24+10 OFF: 38.50R
C-8-1(2) on STR-32-3
40' of 6" Pipe Req'd.
STR. 52
STA: 24+35 OFF: -30.50L
C-11-3(4) on STR-32-2
31' of 12" Pipe Req'd.
STR. 54
STA: 25+00 OFF: -23.67L
C-4-1 on STR-30-2
128' of 30" Pipe Req'd.
STR. 55
STA: 25+16 OFF: -58.00L
C-8-1(2) on STR-32-3
38' of 12" Pipe Req'd.
COLLECTION STRUCTURE 34
COLLECTION STRUCTURE 40
COLLECTION STRUCTURE 41
COLLECTION STRUCTURE 46
COLLECTION STRUCTURE 51
CLEANOUT STRUCTURE 42
CLEANOUT STRUCTURE 49
BIOSWALE 'A'
BIOSWALE 'B'
BIOSWALE 'C'
BIOSWALE 'D'
63 LF 12" HDPE PERFORATED UNDERDRAIN
40 LF 12" HDPE PIPE
50 LF 12" HDPE PERFORATED UNDERDRAIN
47 LF 12" HDPE PIPE
40 LF 12" HDPE PERFORATED UNDERDRAIN
CURB TURNOUT W/ SCOURSTOP (TYP.)
63 LF 12" HDPE PIPE
48 LF 6" HDPE PERFORATED UNDERDRAIN
35 LF 6" HDPE UNDERDRAIN
135 LF 6" HDPE PERFORATED UNDERDRAIN
SWALE GRADE = 1%
12" THICK RIPRAP WITH SOIL SEPARATION FABRIC
SEDIMENT FOREBAY BOTTOM ELEV. = 801.5
TOP OF BANK ELEV. = 805
RIPRAP CHECKDAM CONTROL ELEV. = 803.0
BIORETENTION AREA 1
See Page 155
Inv. = 808.98
Inv. = 808.83
Inv. = 812.82
Inv. = 811.96
Inv. = 811.91
Inv. = 811.15
Inv. = 810.87
Inv. = 810.22
Inv. = 812.21
Inv. = 812.07
Inv. = 812.07
Inv. = 812.21
Inv. = 813.21
N O R T H
0 20' 40'
SCALE: 1" = 20'

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CITY OF FORT WAYNE
INDIANA
GREEN INFRASTRUCTURE PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Model:$MODELNAME$
Pen: $PENTBL$
By: $USER$
Plot: $PLOT_DATE$ $PLOT_TIME$
$FILE$

25+00
26+00
27+00
28+00
29+00
30+00
31+00

STR. 55
8.00L
-32-3
Req'd.

STR. 59
STA: 26+00 OFF: -59.30L
C-8-1(2) on STR-32-3
29' of 18" Pipe Req'd.

STR. 58
STA: 26+00 OFF: -30.49L
C-11-3(4) on STR-32-2
10' of 18" Pipe Req'd.

STR. 57
STA: 25+93 OFF: -23.50L
C-4-1 on STR-30-2
93' of 24" Pipe Req'd.

COLLECTION STRUCTURE 62

CURB TURNOUT (TYP.)

BIOSWALE 'F' (3/94)

STR. 62
STA: 26+90 OFF: -38.50L
C-8-1(2) on STR-32-3
90' of 12" Pipe Req'd.

150 LF HDPE PERFORATED UNDERDRAIN

6" HDPE

SWALE GRADE = 1%

CLEANOUT

STR. 63
STA: 28+49 OFF: -38.50L
C-8-1(2) on STR-32-3
160' of 6" Pipe Req'd.

SEPARATION BERM (10/96)

10 LF HDPE PIPE

COLLECTION STRUCTURE 63

130 LF HDPE PERFORATED UNDERDRAIN

6" HDPE

SWALE GRADE = 1%

CLEANOUT STRUCTURE 65

STR. 65
STA: 29+80 OFF: -38.50L
6" Cleanout - See Detail
130' of 6" Pipe Req'd.

STR. 67
STA: 30+15 OFF: -23.49L
C-4-1 on STR-30-1
104' of 12" Pipe Req'd.

STR. 71
STA: 31+19 OFF: -53.00L
C-8-1(2) on STR-32-3
30' of 18" Pipe Req'd.

STR. 69
STA: 31+19 OFF: -23.50L
C-4-1 on STR-30-2
239' of 36" Pipe Req'd.

12" RCP
18" RCP
24" RCP
36" RCP

12" CMP Inv. = 813.25
12" CMP Inv. = 813.86
12" CMP Inv. = 817.36
12" CMP Inv. = 817.32

HILLEGAS RD

CURB TURNOUT (TYP.) (8/96)

BIOSWALE 'G' (4/94)

CLEANOUT STRUCTURE 68 (9/96)

55 LF HDPE PERFORATED UNDERDRAIN

65 LF HDPE PERFORATED UNDERDRAIN

CLEANOUT STRUCTURE 64

STR. 64
STA: 29+60 OFF: 38.50R
6" Cleanout - See Detail
55' of 6" Pipe Req'd.

6" HDPE

SWALE GRADE = 2%

SWALE GRADE = 1%

STR. 68
STA: 30+80 OFF: 38.50R
6" Cleanout - See Detail
65' of 6" Pipe Req'd.

COLLECTION STRUCTURE 66

STR. 66
STA: 30+15 OFF: 43.70R
C-8-1(2) on STR-32-3
67' of 12" Pipe Req'd.

STR. 56
STA: 25+45 OFF: 38.50R
6" Cleanout - See Detail
45' of 6" Pipe Req'd.

CLEANOUT STRUCTURE 56

STR. 53
STA: 25+00 OFF: 65.00R
C-8-1(2) on STR-32-3
27' of 12" Pipe Req'd.

12" CMP Inv. = 815.26
12" CMP Inv. = 815.25
12" CMP Inv. = 816.41

LOT 29
LOT 28
LOT 27
LOT 26
LOT 25

NORTH

0 20' 40'

SCALE: 1" = 20'

Model:$MODELNAME$
Pen: $PENTBLS$
By:. $USER$
Plot:$PLOT_DATE$ $PLOT_TIME$
$FILE$

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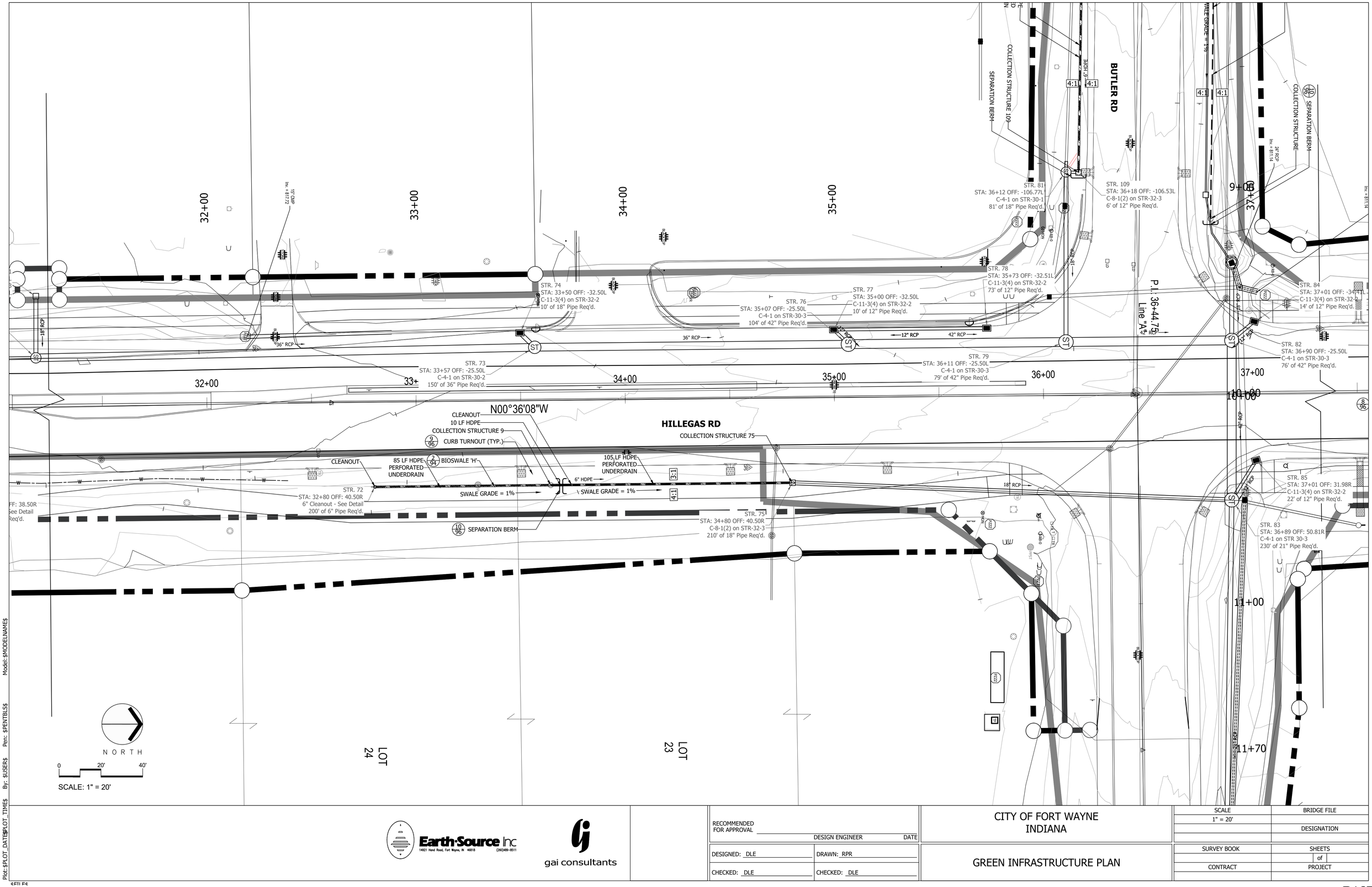
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GREEN INFRASTRUCTURE PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT



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Pen: $PENTBL$
By: $USER$
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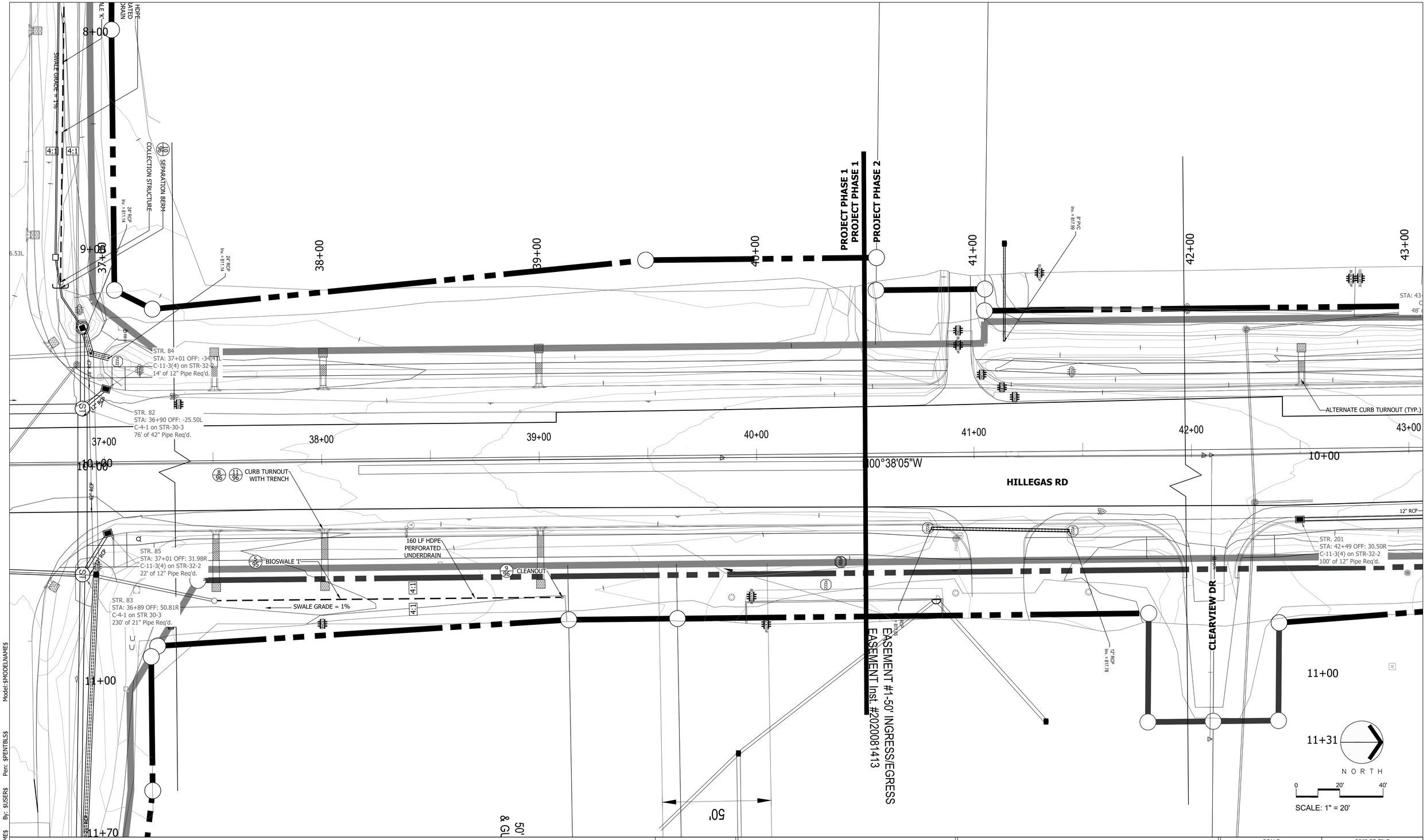
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1" = 20'	
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Plot:$PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model:$MODELNAME$

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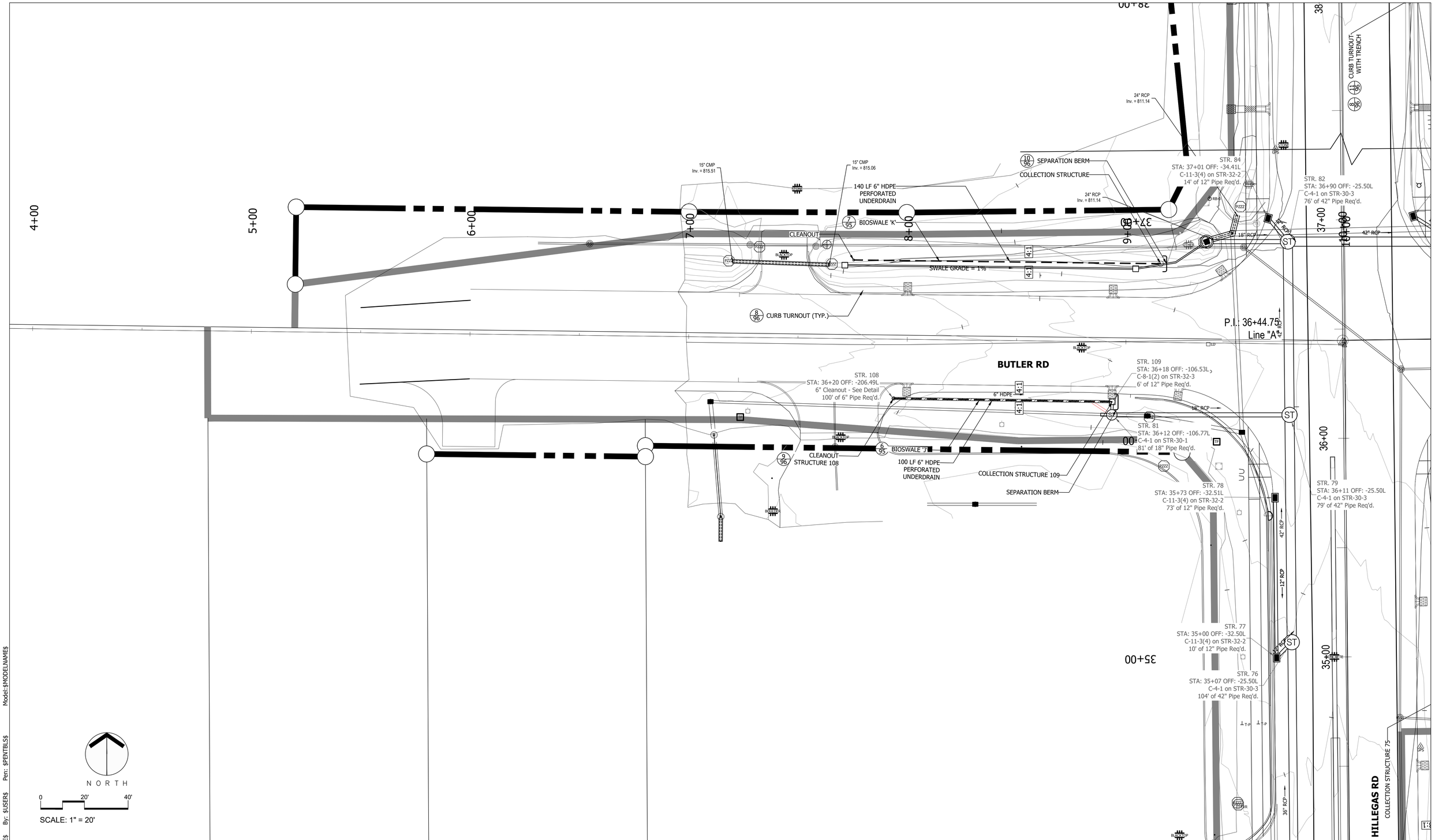
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INDIANA

GREEN INFRASTRUCTURE PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT



NORTH

0 20' 40'

SCALE: 1" = 20'

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model: $MODELNAME$

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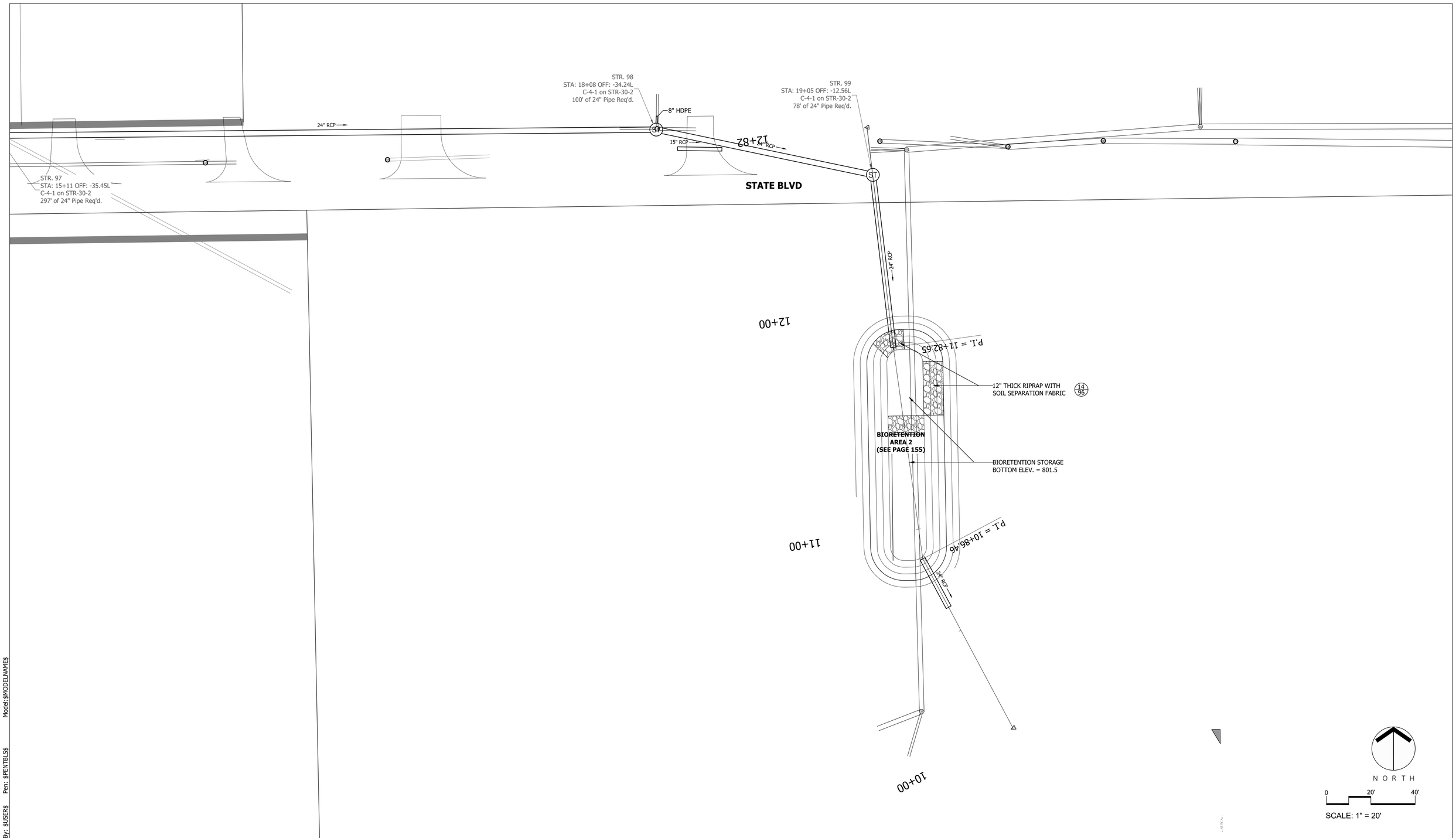
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CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT



Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model: $MODELNAME$

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GREEN INFRASTRUCTURE PLAN

SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

LEGEND

S150BN Erosion Control Blanket

Turf Seed Mix

PLANT KEY

CCD - *Calamagrostis x 'Cheju-Do'*
DLM - *Daylily Mix, min. 4 varities*
SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

120+00 121+00 122+00 11+00 12+00 13+00

N O R T H

0 20' 40'

SCALE: 1" = 20'

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CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model:$MODELNAME$

13+00

14+00

15+00

16+00

17+00

18+00

19

12" CMP
Inv = 818.82

12" CMP
Inv = 818.07

12" CMP
Inv = 816.27

12" CMP
Inv = 816.07

6" PVC
Inv = 815.41

12" CMP
Inv = 816.46

12" CMP
Inv = 815.27

12" CMP
Inv = 814.13

4" CPP
Inv = 815.46

12" CMP
Inv = 813.54

12" CMP
Inv = 813.07

15" CMP
Inv = 811.76

12" CMP
Inv = 811.47

15" CMP
Inv = 811.24

12" CMP
Inv = 808.98

12" CMP
Inv = 808.98

13
96
46) SS
18" O.C.

48) SH
18" O.C.

13
96

LEGEND

S150BN Erosion Control Blanket

Turf Seed Mix

PLANT KEY

SS - *Schizachyrium scoparium*

SH - *Sporobolus heterolepis 'Tara'*

N O R T H

0 20' 40'

SCALE: 1" = 20'

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model:$MODELNAME$

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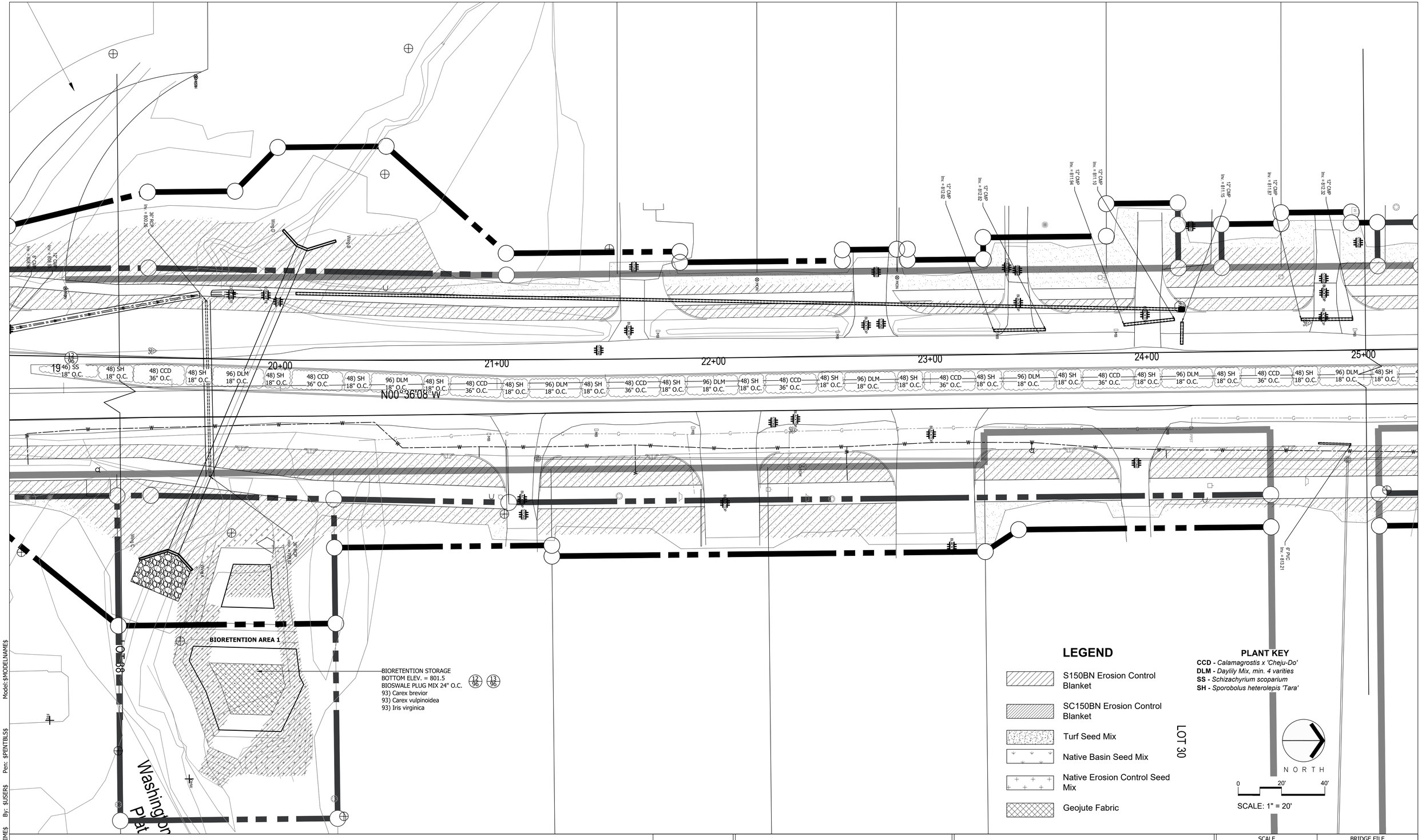
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PLANTING PLAN

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1" = 20'	
	DESIGNATION
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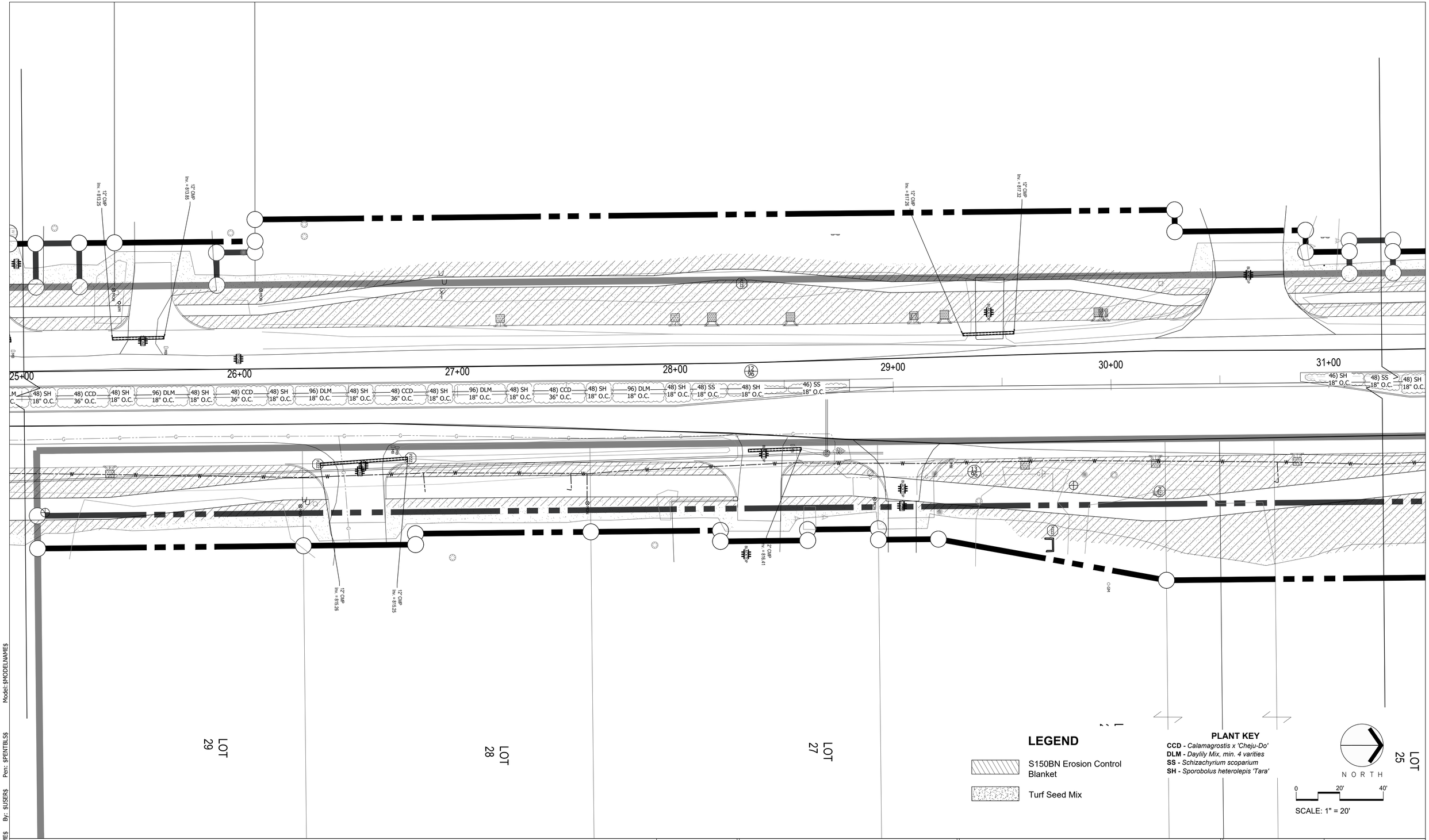
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CITY OF FORT WAYNE
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PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$PLOT_TIME$ By: $USER$ Pen: $PENTBL$$ Model:$MODELNAME$



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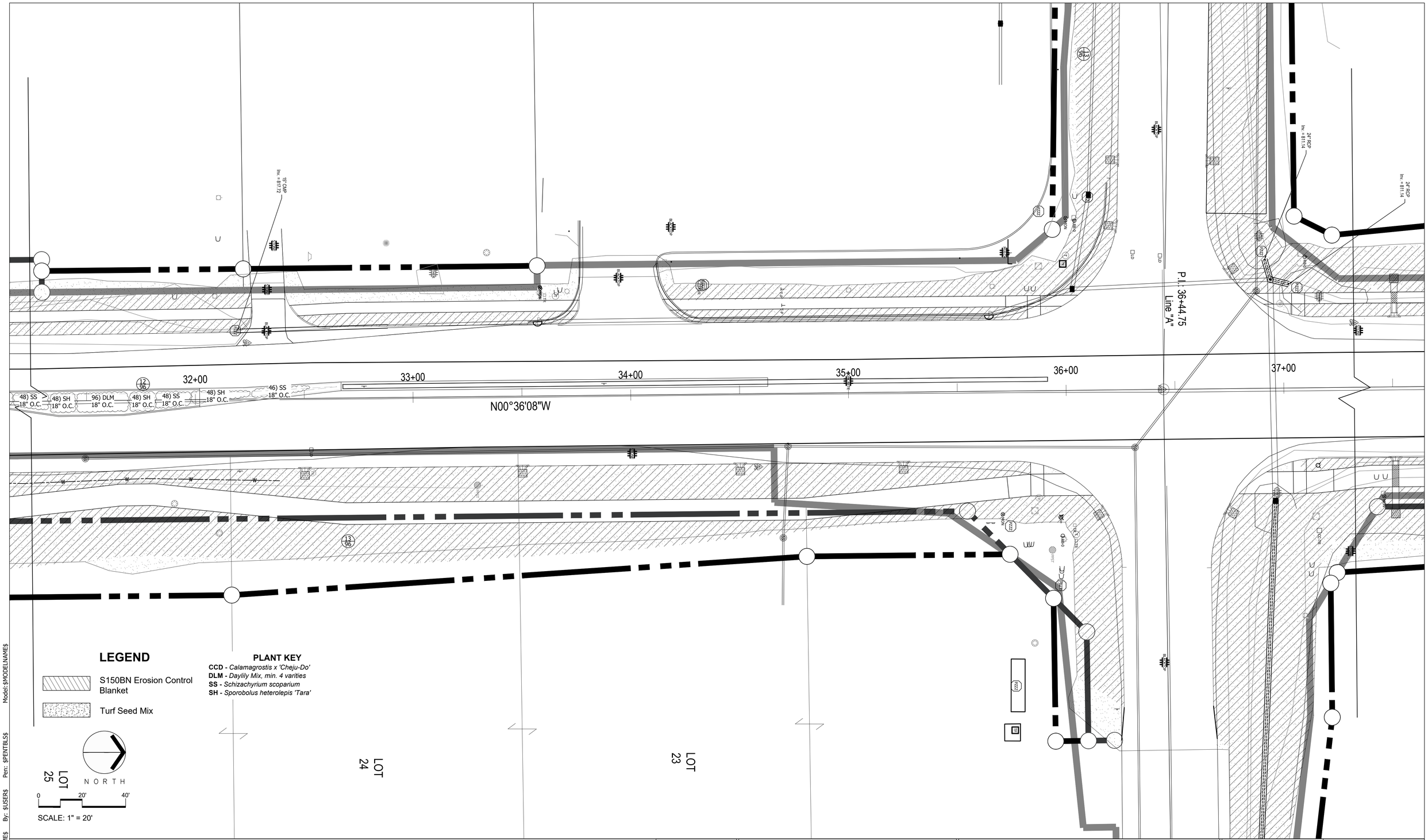
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CITY OF FORT WAYNE
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PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT



LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix

PLANT KEY

CCD - *Calamagrostis x 'Cheju-Do'*
DLM - *Daylily Mix, min. 4 varities*
SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

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PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model: $MODELNAME$

$FILE$

PROJECT PHASE 1

PROJECT PHASE 2

37+00

38+00

39+00

40+00

41+00

42+00

43+00

N00°38'05"W

EASEMENT #1-50' INGRESS/EGRESS
EASEMENT Inst. #202008141413

50'

50' IN
& GUY

LEGEND

S150BN Erosion Control Blanket

Turf Seed Mix

PLANT KEY

CCD - *Calamagrostis x 'Cheju-Do'*
DLM - *Daylily Mix, min. 4 varities*
SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

NORTH

0 20' 40'

SCALE: 1" = 20'

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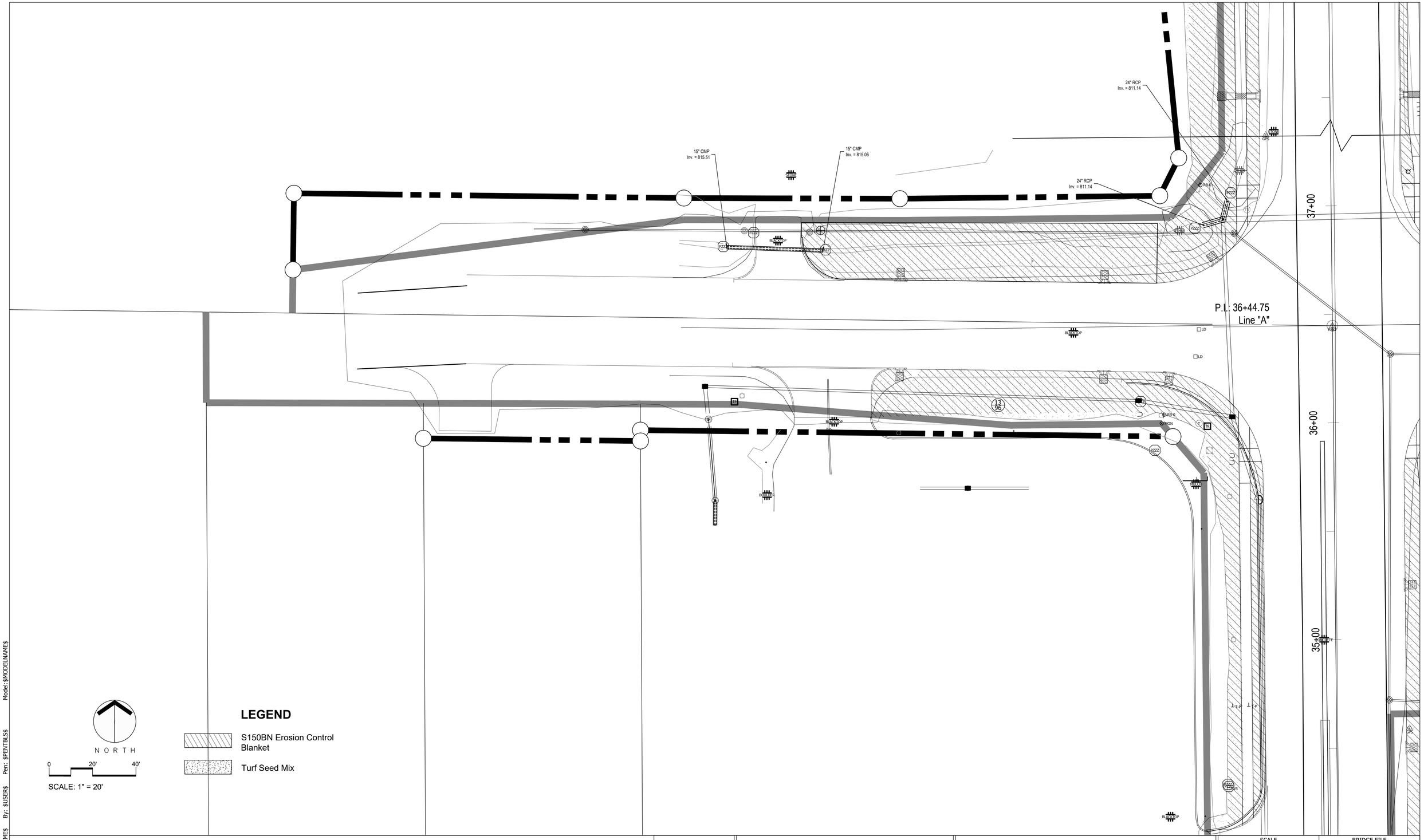
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PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
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SURVEY BOOK	SHEETS
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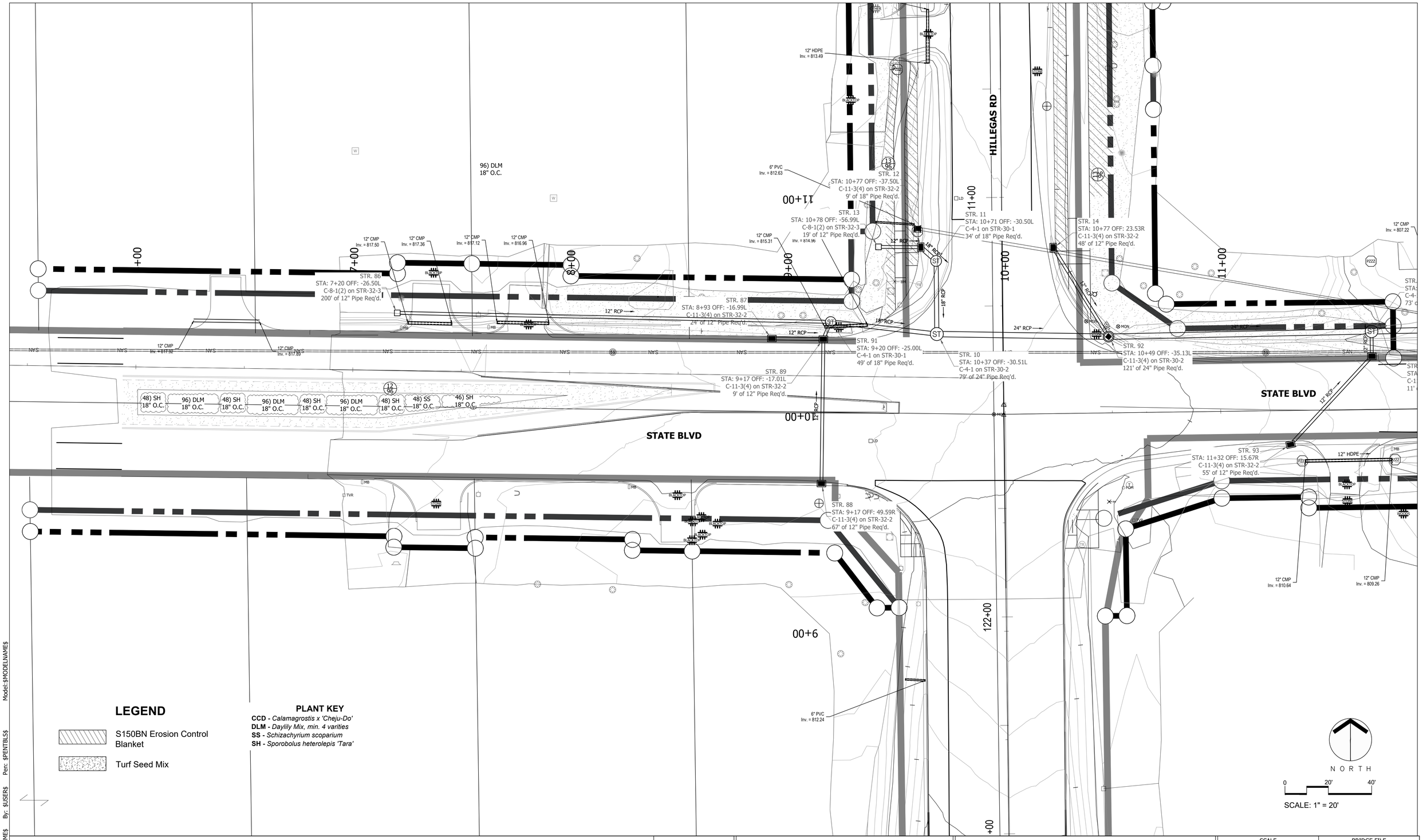
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CITY OF FORT WAYNE
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PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model: $MODELNAME$



LEGEND

S150BN Erosion Control Blanket

Turf Seed Mix

PLANT KEY

CCD - *Calamagrostis x 'Cheju-Do'*
DLM - *Daylily Mix, min. 4 varities*
SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

Earth·Source Inc
14921 Hand Road, Fort Wayne, IN 46818 (260)489-1511

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLE DRAWN: RPR

CHECKED: DLE CHECKED: DLE

CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model: $MODELNAME$
$FILE$

STR. 98
STA: 18+08 OFF: -34.24L
C-4-1 on STR-30-2
100' of 24" Pipe Req'd.

STR. 99
STA: 19+05 OFF: -12.56L
C-4-1 on STR-30-2
78' of 24" Pipe Req'd.

8" HDPE

15" RCP

24" RCP

12+82

STATE BLVD

24" RCP

12+00

P.I. = 11+82.65

BIORETENTION STORAGE
BOTTOM ELEV. = 801.5
BIOSWALE PLUG MIX 24" O.C.
64) Carex brevior
64) Carex vulpinoidea
64) Iris virginica

12/96 13/96

11+00

P.I. = 10+86.46

24" RCP

10+00

LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Native Basin Seed Mix
- Native Erosion Control Seed Mix
- Geojute Fabric

NORTH

0 20' 40'

SCALE: 1" = 20'

Plot:$PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model:$MODELNAME$

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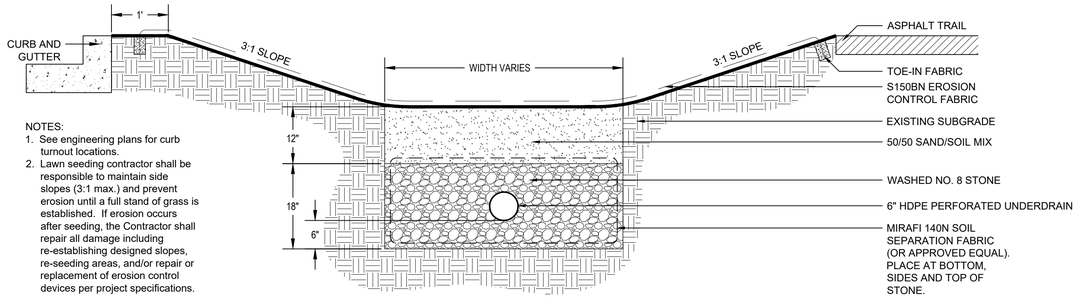
DESIGNED: DLE DRAWN: RPR

CHECKED: DLE CHECKED: DLE

CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

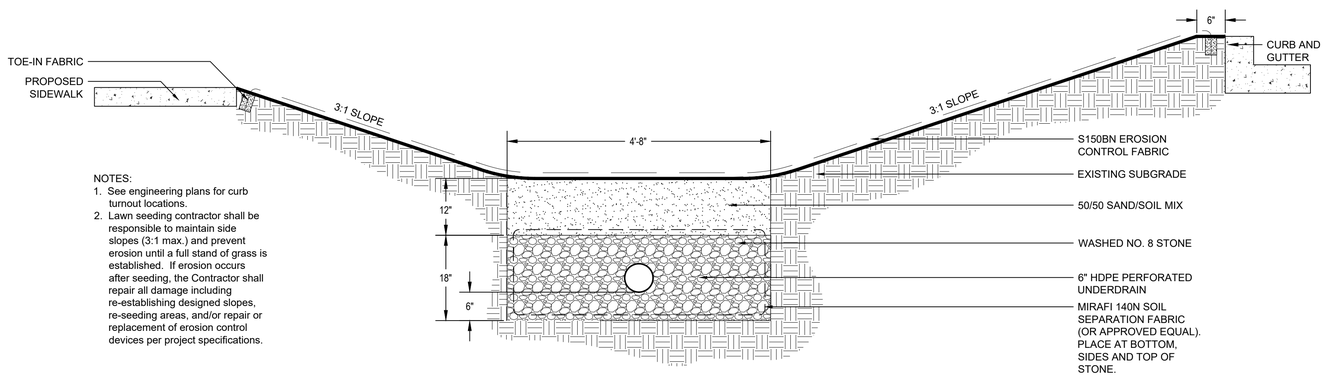


NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.

CHANNEL SECTION

4 BIOSWALE 'G' DETAIL (SEE SHEET NO. X)

Scale: 3/4" = 1'

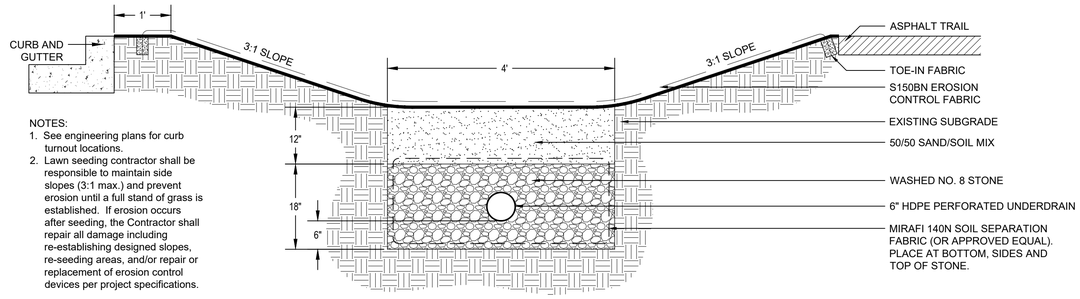


NOTES:
1. See engineering plans for curb turnout locations.
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CHANNEL SECTION

3 BIOSWALE 'F' DETAIL (SEE SHEET NO. X)

Scale: 3/4" = 1'

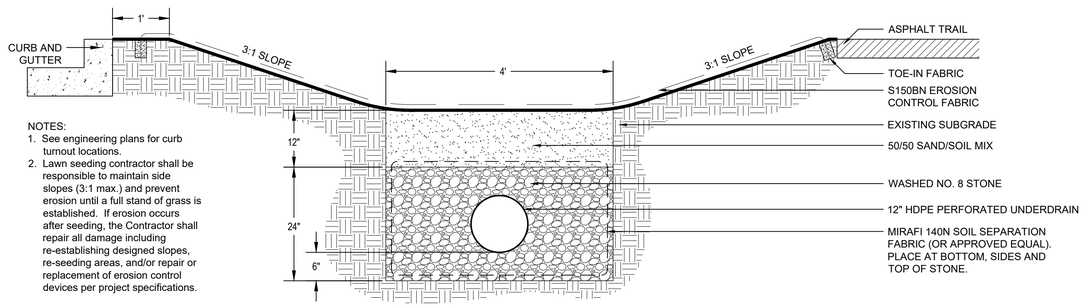


NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.

CHANNEL SECTION

2 BIOSWALE 'D,E,H' DETAIL (SEE SHEET NO. X)

Scale: 3/4" = 1'



NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.

CHANNEL SECTION

1 BIOSWALE 'A,B,C,' DETAIL (SEE SHEET NO. X)

Scale: 3/4" = 1'

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBLS$ Model: $MODELNAME$

$FILE$

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14921 Hand Road, Fort Wayne, IN 46818 (260)489-8511

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

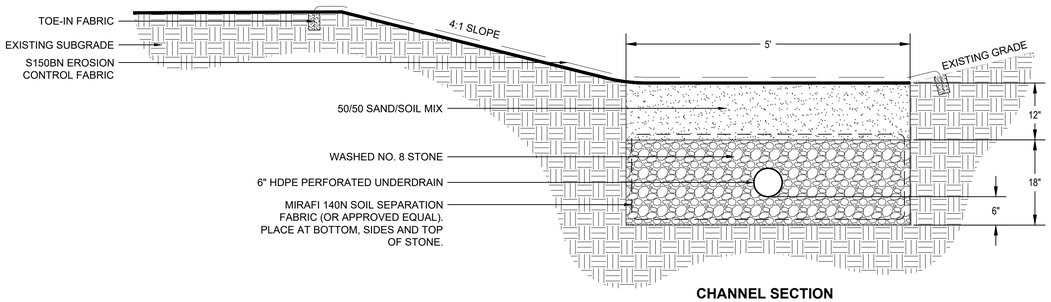
DESIGNED: DLE | DRAWN: RPR | Scale: 3/4" = 1'

CHECKED: DLE | CHECKED: DLE

CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

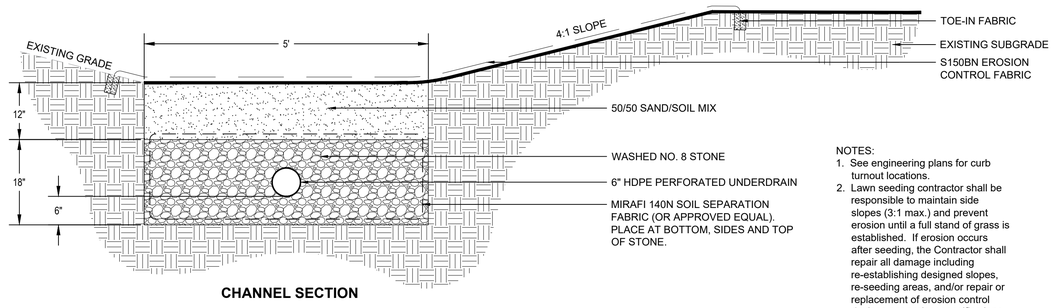


CHANNEL SECTION

NOTES:
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7 BIOSWALE 'K' DETAIL

Scale: 3/4" = 1'

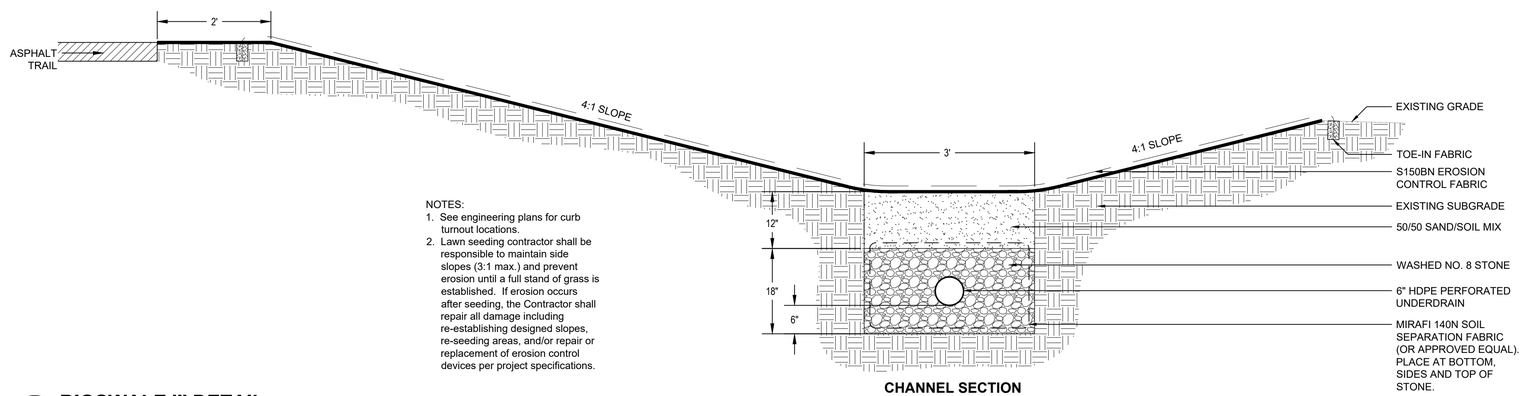


CHANNEL SECTION

NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.

6 BIOSWALE 'J' DETAIL

Scale: 3/4" = 1'



CHANNEL SECTION

NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.

5 BIOSWALE 'I' DETAIL

Scale: 3/4" = 1'

Earth·Source Inc
14921 Hand Road, Fort Wayne, IN 46818 (260)489-1011
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLE | DRAWN: RPR | Scale: 3/4" = 1'

CHECKED: DLE | CHECKED: DLE

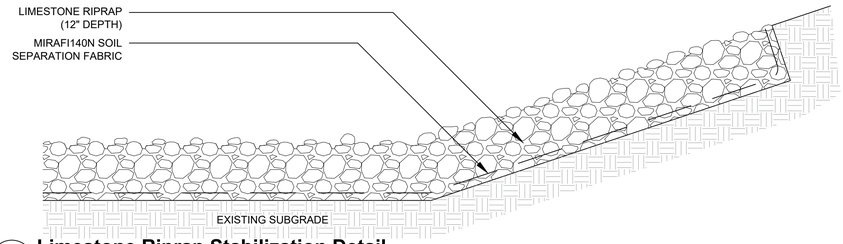
CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model: $MODELNAME$

eETLE6



14 Limestone Riprap Stabilization Detail

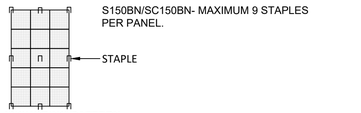
Scale: 1/2" = 1'

INSTALLATION:

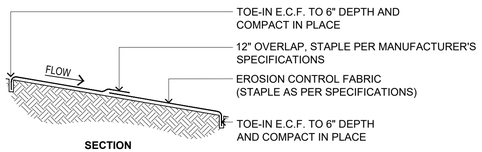
1. Grade the site as specified in the construction plan.
2. Add topsoil where appropriate
3. Prepare the seedbed. seed the area per specifications immediately after grading.
4. Install Fabric per detail and manufacturer's specifications.

MAINTENANCE:

1. During vegetative establishment, inspect after each storm event for erosion below Fabric.
2. If any area shows erosion, pull back that portion of Fabric covering it, add soil, re-seed the area, and re-lay and staple the Fabric.
3. After vegetative establishment, check the treated area periodically.



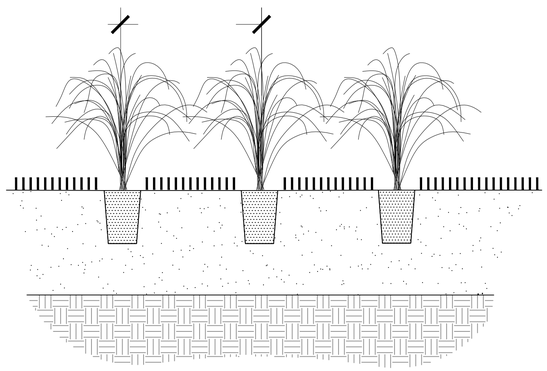
FABRIC ANCHORING PATTERN



SECTION

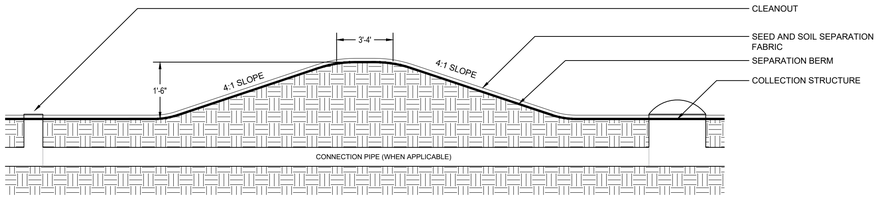
13 EROSION CONTROL BLANKET DETAIL

Not to Scale



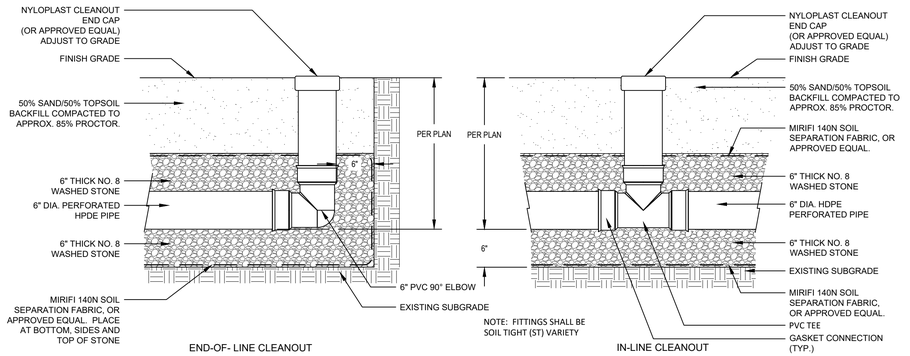
12 PERENNIAL PLANTING DETAIL

Not to Scale



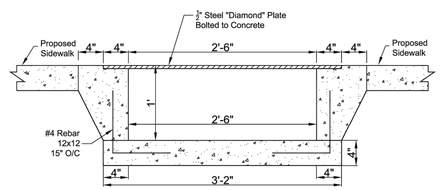
10 SEPARATION BERM DETAIL

Not to Scale



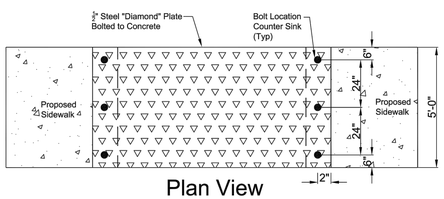
9 CLEANOUT DETAIL

Scale: 1" = 1'



1. Concrete Sidewalk Shall Be Formed With 4" Forms, And Not Earth Formed.
2. All Topsoil Material For Sidewalk Shall Be Removed And, If Needed, A Leveling Course Of #53's Used.

Section View



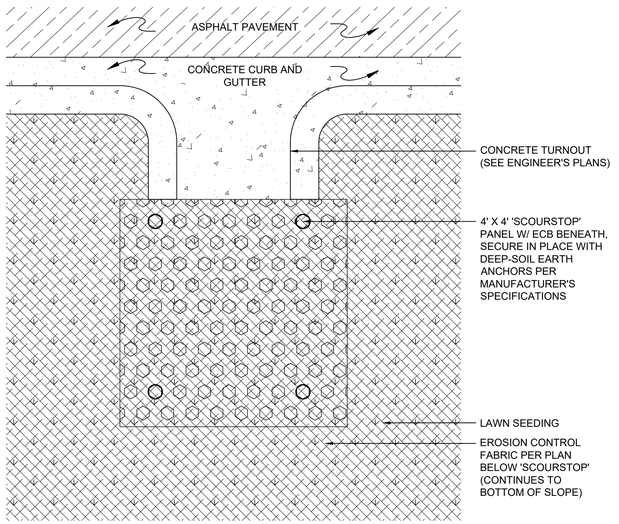
Plan View

11 CITY OF FW SIDEWALK TRENCH DETAIL

Not to Scale

NOTES:

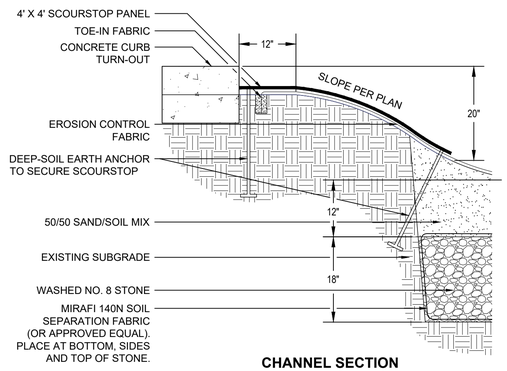
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes as indicated on plans and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing designed slopes, re-seeding areas, and/or repair or replacement of erosion control devices per project specifications.



PLAN VIEW

8 CURB TURNOUT DETAIL

Scale: 3/4" = 1'



CHANNEL SECTION

Earth·Source Inc
14921 Hand Road, Fort Wayne, IN 46818 (260)489-1011

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLE DRAWN: RPR

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CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION

SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$ By: $USER$ Pen: $PENTBL$ Model: $MODELNAME$

eFILE

Native Basin Seed Mix

Approximate mix weight/acre 59.6567 LBS, 168 native seeds/sq ft.
57.1% Grasses/Sedges/Rushes, 42.9% Forbs, 100% Temporary Cover

Grasses/Sedges/Rushes

Scientific Name	Common Name	Seed %
Carex lurida	Shallow Sedge	0.32%
Carex stipata	Stalk Grain Sedge	0.82%
Carex tribuloides	Blunt Broom Sedge	2.78%
Carex vulpinoidea	Fox Sedge	5.30%
Eleocharis palustris	Creeping Spike Rush	13.60%
Elymus virginicus	Virginia Wild Rye	1.63%
Juncus torreyi	Torrey's Rush	12.45%
Leersia oryzoides	Rice Cut Grass	6.16%
Panicum virgatum	Switch Grass	1.35%
Schoenoplectus acutus	Hard-Stem Bulrush	0.85%
Schoenoplectus pungens	Chairmaker's Rush	0.18%
Schoenoplectus tabernaemontani	Softstem Rush	3.30%
Scirpus atrovirens	Dark Green Bulrush	6.55%
Scirpus cyperinus	Woolgrass	40.77%
Scirpus pendulus	Drooping Bulrush	3.40%
Spartina pectinata	Prairie Cord Grass	0.54%
Total		**100.00%**

Forbs

Scientific Name	Common Name	Seed %
Alisma subcordatum	Subcordate Water Plantain	20.74%
Asclepias incarnata	Swamp Milkweed	0.16%
Bidens cernua	Nodding Beggar-Ticks	1.27%
Eupatorium perfoliatum	Common Boneset	2.17%
Helenium autumnale	Common Sneezeweed	4.33%
Hibiscus moscheutos	Marsh Rose Mallow	0.37%
Ludwigia alternifolia	Bushy Seedbox	10.41%
Lycopus americanus	American Bugleweed	2.08%
Mimulus ringens	Allegheny Monkey Flower	13.70%
Penthorum sedoides	Ditch-Stonecrop	30.20%
Verbena hastata	Blue Vervain	14.22%
Zizia aurea	Golden Alexander	0.35%
Total		**100.00%**

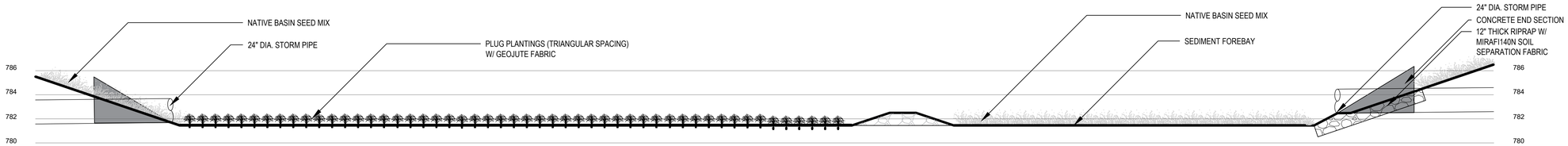
Temporary Cover Grasses

Avena Sativa	Seed Oat	36.11%
Lolium multiflorum	Annual Rye	63.89%
Total		**100.00%**

Native Erosion Control Mix

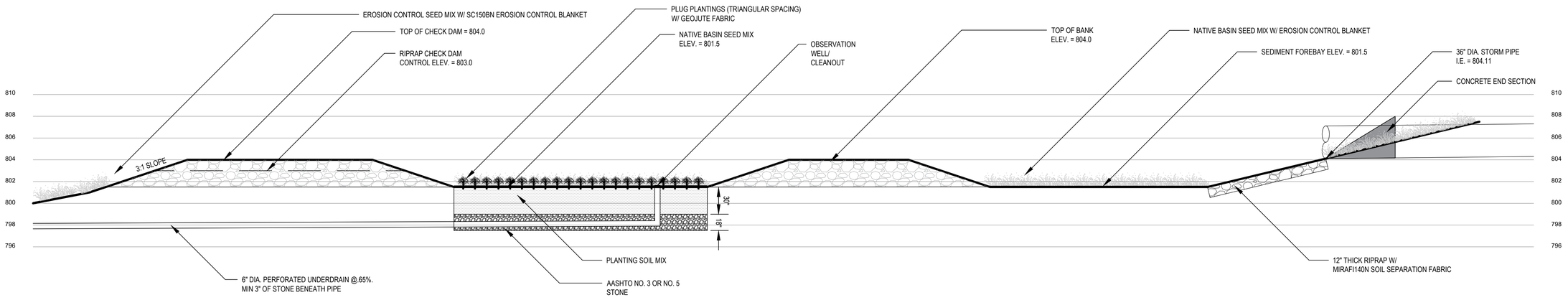
Approximate mix weight/acre 102.1250 LBS, 99 native seeds/sq ft.
62.2% Grasses/Sedges/Rushes, 37.8% Forbs, 100% Temporary Cover

Scientific Name	Common Name	Seed
Grasses/Sedges/Rushes		
Bouteloua curtipendula	Side-Oats Grama	20.67%
Elymus virginicus	Virginia Wild Rye	2.55%
Schizachyrium scoparium	Little Bluestem	76.79%
Total		**100.00%**
Forbs		
Asclepias syriaca	Common Milkweed	1.97%
Coreopsis lanceolata	Sand Coreopsis	14.81%
Echinacea purpurea	Purple Coneflower	4.48%
Oligoneuron rigidum	Stiff Goldenrod	11.52%
Penstemon digitalis	Foxglove Beardtongue	14.96%
Rudbeckia hirta	Black-Eyed Susan	41.68%
Verbena stricta	Hoary Vervain	7.85%
Zizia aurea	Golden Alexander	2.73%
Total		**100.00%**
Temporary Cover Grasses		
Avena Sativa	Seed Oat	27.37%
Lolium multiflorum	Annual Rye	72.63%
Total		**100.00%**



21 BIORETENTION BASIN 2 DETAIL

Scale: 1" = 5'



20 BIORETENTION BASIN 1 DETAIL

Scale: 1" = 5'

Earth·Source Inc
14921 Hand Road, Fort Wayne, IN 46818 (260)489-8511

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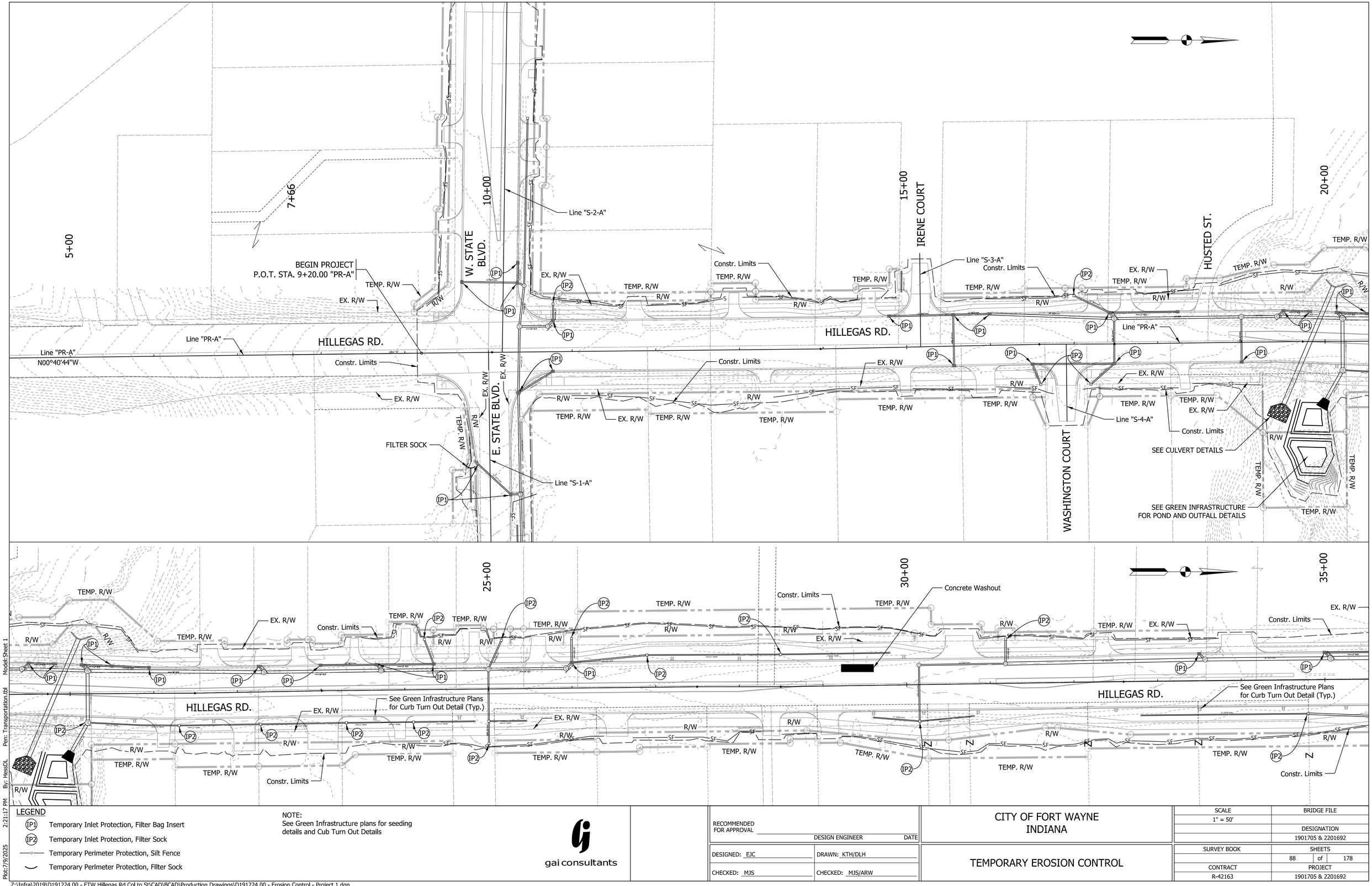
CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT

Plot: $PLOT_DATE$PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model:$MODELNAME$

$FILE$



LEGEND

- (IP1) Temporary Inlet Protection, Filter Bag Insert
- (IP2) Temporary Inlet Protection, Filter Sock
- SF —— Temporary Perimeter Protection, Silt Fence
- Temporary Perimeter Protection, Filter Sock

NOTE:
See Green Infrastructure plans for seeding details and Cub Turn Out Details

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

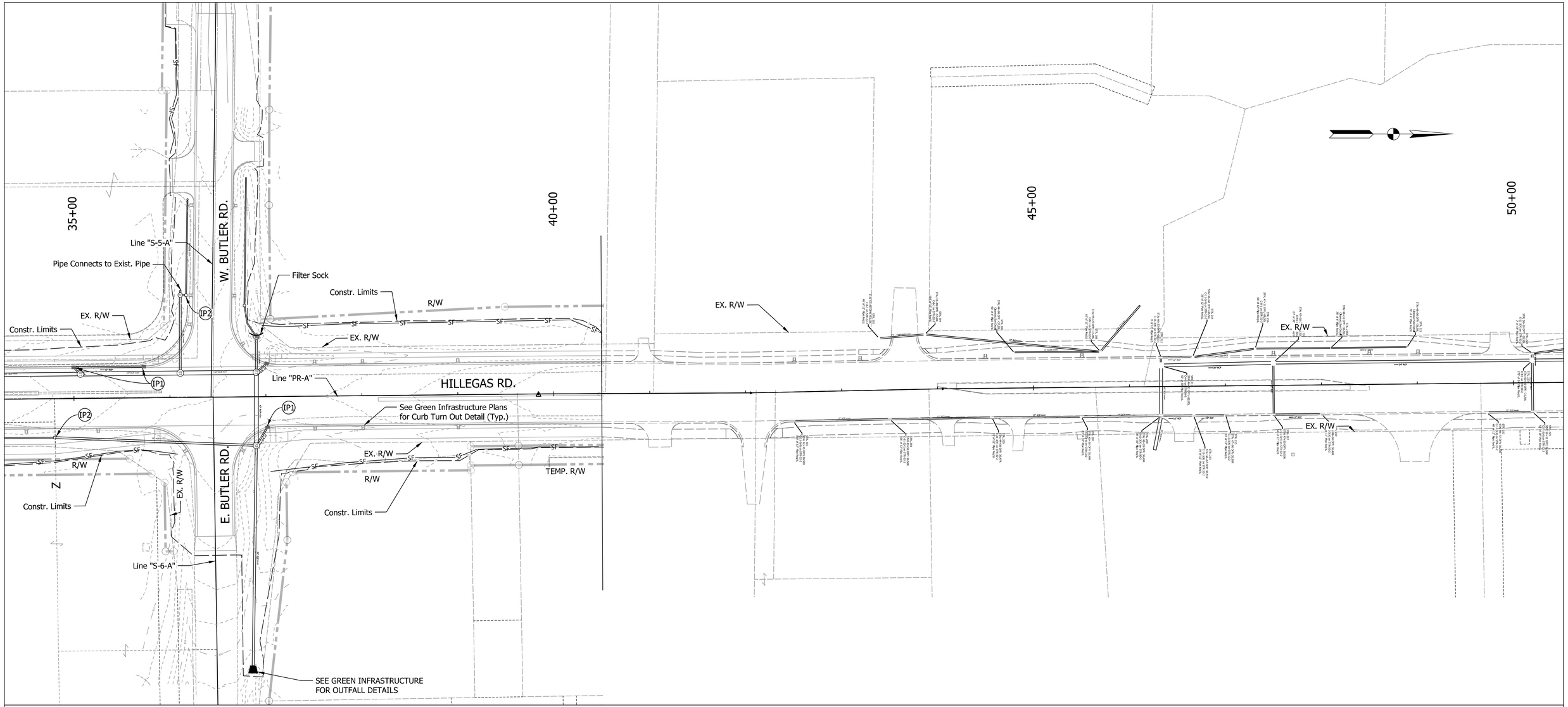
CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	88 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:21:17 PM By: HessDL Pen: Transportation.tbl Model:Sheet 1

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Erosion Control - Project 1.dgn



LEGEND

- IP1 Temporary Inlet Protection, Filter Bag Insert
- IP2 Temporary Inlet Protection, Filter Sock
- SF Temporary Perimeter Protection, Silt Fence
- Temporary Perimeter Protection, Filter Sock

NOTE:
See Green Infrastructure plans for seeding details and Cub Turn Out Details

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

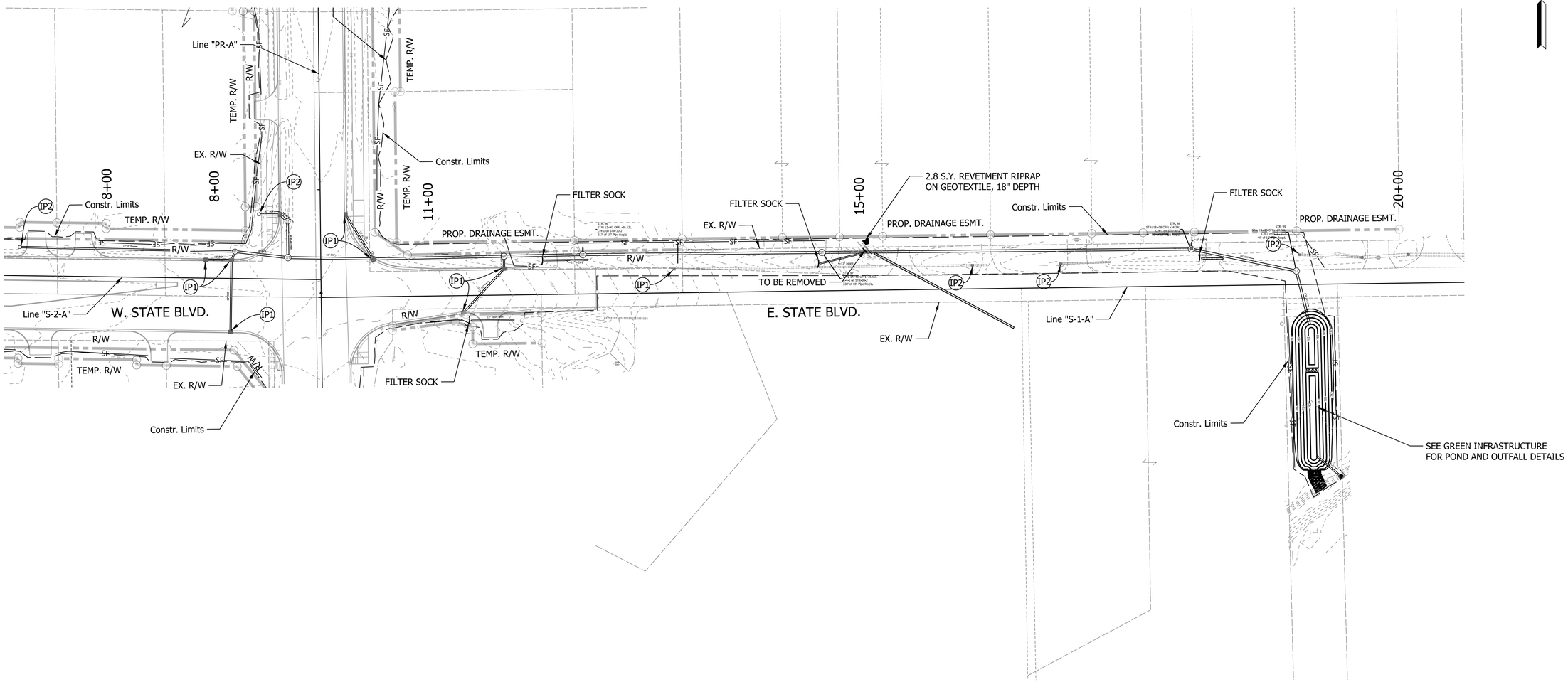
CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	89 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:21:33 PM By: HessDL Pen: Transportation.tbl Model:Sheet 2

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Erosion Control - Project 1.dgn



LEGEND

- (IP1) Temporary Inlet Protection, Filter Bag Insert
- (IP1) Temporary Inlet Protection, Filter Sock
- —sf— Temporary Perimeter Protection, Silt Fence
- Temporary Perimeter Protection, Filter Sock

gai consultants

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	90 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:21:49 PM By: HessDL Pen: Transportation.tbl Model:Sheet 6 S-1-A

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Erosion Control - Project 1.dgn

TEMPORARY EROSION CONTROL TABLE

LOCATION						TEMPORARY SLOPE DRAIN	TEMPORARY FILTER BERM	TEMPORARY SILT FENCE	TEMPORARY INLET PROTECTION, FILTER SOCK	TEMPORARY CURB INLET PROTECTION	TEMPORARY CHECK DAM, REVETMENT RIPAP	TEMPORARY CHECK DAM, TRAVERSABLE	EROSION CONTROL BLANKET	TEMPORARY SEEDING	RIPRAP REVETMENT	REMARKS
LINE		STATION	LEFT	MEDIAN	RIGHT	LFT	LFT	LFT	EACH	EACH	TON	LFT	SYS	LBS	TON	
PR-A	10+46	13+24			X			278.00								
	13+38	14+90			X			152.00								
	15+05	15+80			X			75.00								
	16+07	16+75			X			68.00								
	17+10	18+24			X			114.00								
	18+40	19+23			X			83.00								
	24+00	26+38			X			238.00								
	26+69	28+24			X			155.00								
	28+50	28+95			X			45.00								
	29+13	36+10			X			697.00								
	37+05	40+50			X			345.00								
	10+63	11+61	X					98.00								
	11+89	12+87	X					98.00								
	13+04	14+45	X					141.00								
	16+00	16+95	X					95.00								
	17+70	18+54	X					84.00								
	18+74	20+00	X					126.00								
	20+30	21+09	X					79.00								
	23+48	23+96	X					48.00								
	24+08	24+78	X					70.00								
	24+90	25+51	X					61.00								
	25+71	30+42	X					471.00								
	30+81	32+25	X					144.00								
	32+45	33+74	X					129.00								
	36+95	40+50	X					355.00								
S-1-A	11+00	11+38			X			38.00								
	12+35	14+67	X					232.00								
	18+85	19+30	X					63.00								
S-2-A	06+52	07+25	X					73.00								
	07+55	08+40	X					85.00								
	08+60	09+50						95.00								
	05+65	07+15			X			150.00								
	07+93	09+35			X			150.00								
TOTAL THIS SHEET								5135.00								

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: EJC
DRAWN: KTH/DLH
CHECKED: MJS
CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	91 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:21:51 PM By: HessDL Pen: Transportation.tbl Model:Sheet 4

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TEMPORARY EROSION CONTROL TABLE

LOCATION					TEMPORARY SLOPE DRAIN	Temporary Perimeter Protection, Filter Sock	TEMPORARY SILT FENCE	TEMPORARY INLET PROTECTION, FILTER SOCK	Temporary Inlet Protection Sediment Control Bag	TEMPORARY CHECK DAM, REVETMENT RIPAP	TEMPORARY CHECK DAM, TRAVERSABLE	EROSION CONTROL BLANKET	TEMPORARY SEEDING	RIPRAP REVETMENT	REMARKS
LINE	STATION	LEFT	MEDIAN	RIGHT	LFT	LFT	LFT	EACH	EACH	TON	LFT	SYS	LBS	TON	
	10+37	X							1						
	10+71	X							1						
	10+77	X							1						
	10+78	X						1							
	10+77			X					1						
	14+80	X							1						
	15+56	X							1						
	15+56			X					1						
	16+00	X							1						
	16+50			X					1						
	16+60			X					1						
	17+00	X							1						
	17+20			X					1						
	17+42	X							1						
	17+48	X							1						
	17+48			X					1						
	18+24	X							1						
	19+00	X							1						
	19+00			X					1						
	19+43	X							1						
	19+51	X							1						
	19+82	X							1						
	20+21			X				1							
	20+21	X							1						
PR-A	20+14	X							1						
	20+50	X							1						
	20+84			X					1						
	20+94	X							1						
	22+27			X				1							
	21+30			X				1							
	22+26	X							1						
	22+32	X							1						
	23+00	X							1						
	23+30			X				1							
	23+72	X							1						
	23+66	X							1						
	24+24	X						1							
	24+10			X				1							
	24+35	X							1						
	25+00			X				1							
	25+00	X							1						
	25+16	X						1							
	25+93	X							1						
	26+00	X							1						
	26+00	X						1							
	26+90	X						1							
	28+49	X						1							
	30+15			X				1							
	30+15	X							1						
	31+19	X							1						
	TOTAL THIS SHEET							13	37						

TEMPORARY EROSION CONTROL TABLE

LOCATION					TEMPORARY SLOPE DRAIN	Temporary Perimeter Protection, Filter Sock	TEMPORARY SILT FENCE	TEMPORARY INLET PROTECTION, FILTER SOCK	Temporary Inlet Protection Sediment Control Bag	TEMPORARY CHECK DAM, REVETMENT RIPAP	TEMPORARY CHECK DAM, TRAVERSABLE	EROSION CONTROL BLANKET	TEMPORARY SEEDING	RIPRAP REVETMENT	REMARKS
LINE	STATION	LEFT	MEDIAN	RIGHT	LFT	LFT	LFT	EACH	EACH	TON	LFT	SYS	LBS	TON	
PR-A	31+19	X						1							
	33+57	X							1						
	33+50	X							1						
	34+80			X				1							
	35+07	X							1						
	35+00	X							1						
	35+73	X							1						
	36+11	X							1						
	36+12	X							1						
	36+18	X						1							
	36+90	X							1						
	36+90			X		20			1						
	37+01	X							1						
	37+01			X					1						
S-1-A	10+48.72	X							1						
	11+32.00			X					1						
	11+70.00	X							1						
	11+70.00	X							1						
	13+28	X						1							
	12+05	X				15			1						
	12+43.11	X							1						
	14+61	X				15			1						
	14+65	X				15			1						
	15+10.51	X							1						
	16+04	X						1							
	16+86	X						1							
	18+07.54	X							1						
	18+15	X				15			1						
	19+04.84	X							1						
	19+07	X						1							
S-2-A	7+20.19	X						1							
	8+93.00	X							1						
	9+16.74			X					1						
	9+16.74	X							1						
	9+20.00	X							1						
	TOTAL THIS SHEET					80		8	27						

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC | DRAWN: KTH/DLH

CHECKED: MJS | CHECKED: MJS/ARW

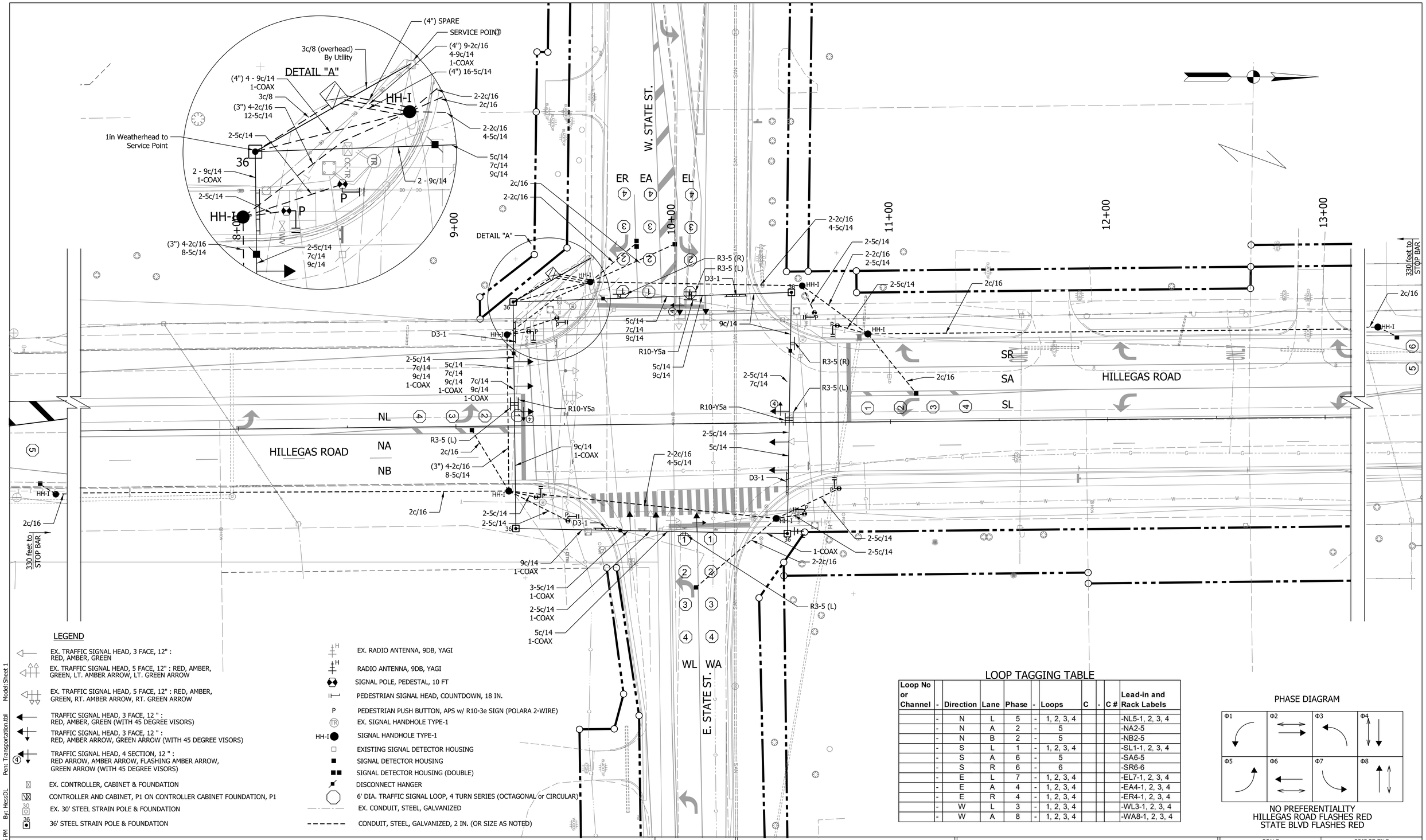
CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	93 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Plot:7/9/2025 2:23:26 PM By: HessDL Pen: Transportation.tbl Model:Sheet 6

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LEGEND

- EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, AMBER, GREEN
- EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW
- EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW
- TRAFFIC SIGNAL HEAD, 3 FACE, 12 " : RED, AMBER, GREEN (WITH 45 DEGREE VISORS)
- TRAFFIC SIGNAL HEAD, 3 FACE, 12 " : RED, AMBER ARROW, GREEN ARROW (WITH 45 DEGREE VISORS)
- (4) TRAFFIC SIGNAL HEAD, 4 SECTION, 12 " : RED ARROW, AMBER ARROW, FLASHING AMBER ARROW, GREEN ARROW (WITH 45 DEGREE VISORS)
- EX. CONTROLLER, CABINET & FOUNDATION
- CONTROLLER AND CABINET, P1 ON CONTROLLER CABINET FOUNDATION, P1
- 34 EX. 30' STEEL STRAIN POLE & FOUNDATION
- 36 36' STEEL STRAIN POLE & FOUNDATION
- H EX. RADIO ANTENNA, 9DB, YAGI
- H RADIO ANTENNA, 9DB, YAGI
- SIGNAL POLE, PEDESTAL, 10 FT
- PEDESTRIAN SIGNAL HEAD, COUNTDOWN, 18 IN.
- P PEDESTRIAN PUSH BUTTON, APS w/ R10-3e SIGN (POLARA 2-WIRE)
- TR EX. SIGNAL HANDHOLE TYPE-1
- HH-I SIGNAL HANDHOLE TYPE-1
- EXISTING SIGNAL DETECTOR HOUSING
- SIGNAL DETECTOR HOUSING
- SIGNAL DETECTOR HOUSING (DOUBLE)
- DISCONNECT HANGER
- 6' DIA. TRAFFIC SIGNAL LOOP, 4 TURN SERIES (OCTAGONAL or CIRCULAR)
- EX. CONDUIT, STEEL, GALVANIZED
- CONDUIT, STEEL, GALVANIZED, 2 IN. (OR SIZE AS NOTED)

LOOP TAGGING TABLE

Loop No or Channel	-	Direction	Lane	Phase	-	Loops	C	-	C #	Lead-in and Rack Labels
	-	N	L	5	-	1, 2, 3, 4				-NL5-1, 2, 3, 4
	-	N	A	2	-	5				-NA2-5
	-	N	B	2	-	5				-NB2-5
	-	S	L	1	-	1, 2, 3, 4				-SL1-1, 2, 3, 4
	-	S	A	6	-	5				-SA6-5
	-	S	R	6	-	6				-SR6-6
	-	E	L	7	-	1, 2, 3, 4				-EL7-1, 2, 3, 4
	-	E	A	4	-	1, 2, 3, 4				-EA4-1, 2, 3, 4
	-	E	R	4	-	1, 2, 3, 4				-ER4-1, 2, 3, 4
	-	W	L	3	-	1, 2, 3, 4				-WL3-1, 2, 3, 4
	-	W	A	8	-	1, 2, 3, 4				-WA8-1, 2, 3, 4

PHASE DIAGRAM

NO PREFERENTIALITY
HILLEGAS ROAD FLASHES RED
STATE BLVD FLASHES RED

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: EJC
DRAWN: KTH/DLH
CHECKED: MJS
CHECKED: MJS/ARW

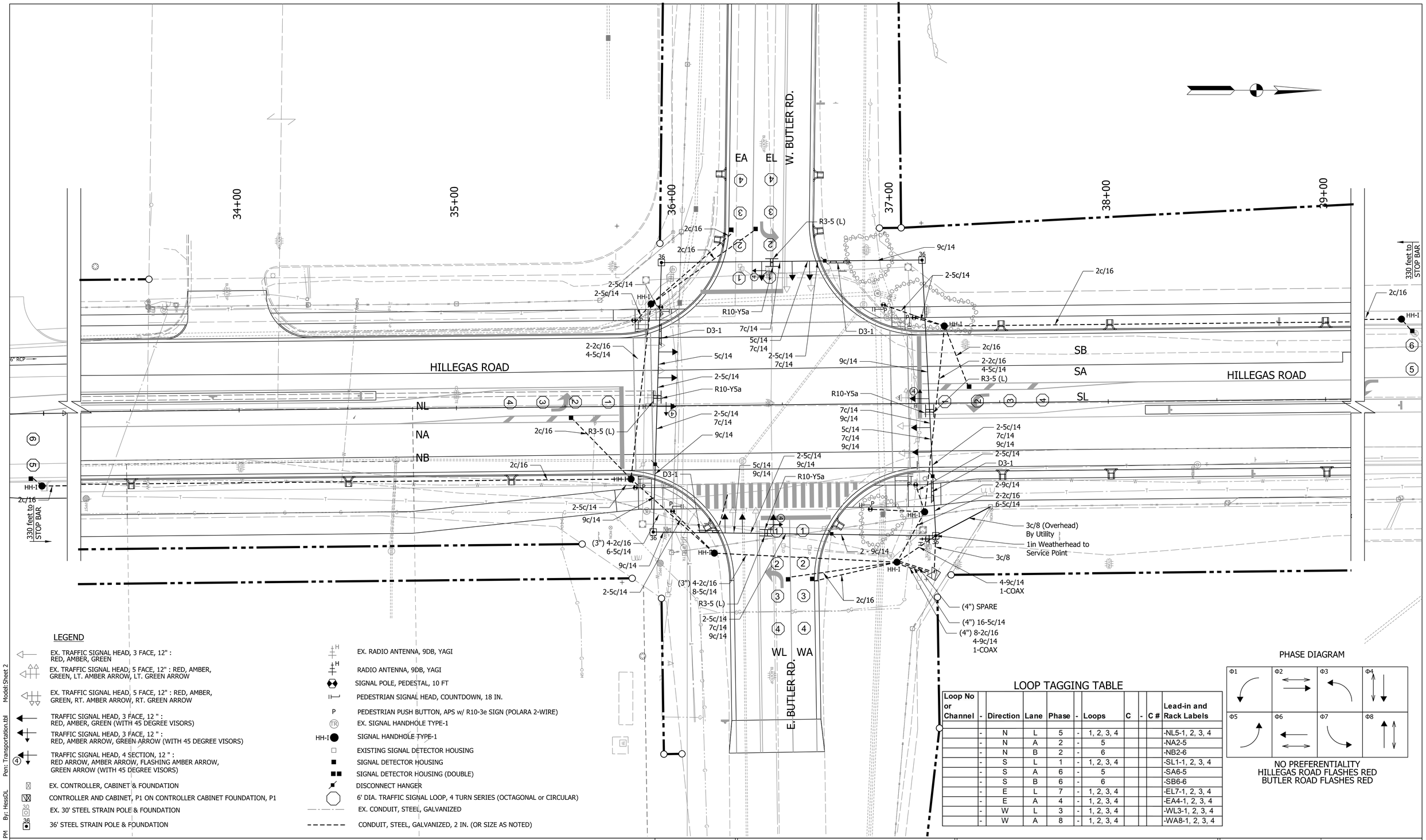
CITY OF FORT WAYNE
INDIANA

SIGNALIZATION DETAILS
HILLEGAS RD. AND STATE ST.

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	94 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

Model:Sheet 1
Pen: Transportation.tbl
By: HessDL
2:24:35 PM
Plot:7/9/2025

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LEGEND

- EX. TRAFFIC SIGNAL HEAD, 3 FACE, 12" : RED, AMBER, GREEN
- EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, LT. AMBER ARROW, LT. GREEN ARROW
- EX. TRAFFIC SIGNAL HEAD, 5 FACE, 12" : RED, AMBER, GREEN, RT. AMBER ARROW, RT. GREEN ARROW
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- CONTROLLER AND CABINET, P1 ON CONTROLLER CABINET FOUNDATION, P1
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- RADIO ANTENNA, 9DB, YAGI
- SIGNAL POLE, PEDESTAL, 10 FT
- PEDESTRIAN SIGNAL HEAD, COUNTDOWN, 18 IN.
- P PEDESTRIAN PUSH BUTTON, APS w/ R10-3e SIGN (POLARA 2-WIRE)
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- HH-I SIGNAL HANDHOLE TYPE-1
- EXISTING SIGNAL DETECTOR HOUSING
- SIGNAL DETECTOR HOUSING
- SIGNAL DETECTOR HOUSING (DOUBLE)
- DISCONNECT HANGER
- 6' DIA. TRAFFIC SIGNAL LOOP, 4 TURN SERIES (OCTAGONAL or CIRCULAR)
- EX. CONDUIT, STEEL, GALVANIZED
- CONDUIT, STEEL, GALVANIZED, 2 IN. (OR SIZE AS NOTED)

LOOP TAGGING TABLE

Loop No or Channel	-	Direction	Lane	Phase	-	Loops	C	-	C #	Lead-in and Rack Labels
	-	N	L	5	-	1, 2, 3, 4				-NL5-1, 2, 3, 4
	-	N	A	2	-	5				-NA2-5
	-	N	B	2	-	6				-NB2-6
	-	S	L	1	-	1, 2, 3, 4				-SL1-1, 2, 3, 4
	-	S	A	6	-	5				-SA6-5
	-	S	B	6	-	6				-SB6-6
	-	E	L	7	-	1, 2, 3, 4				-EL7-1, 2, 3, 4
	-	E	A	4	-	1, 2, 3, 4				-EA4-1, 2, 3, 4
	-	W	L	3	-	1, 2, 3, 4				-WL3-1, 2, 3, 4
	-	W	A	8	-	1, 2, 3, 4				-WA8-1, 2, 3, 4

PHASE DIAGRAM

NO PREFERENTIALITY
HILLEGAS ROAD FLASHES RED
BUTLER ROAD FLASHES RED

gai consultants

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH
CHECKED: JAS CHECKED: JAS/DLH

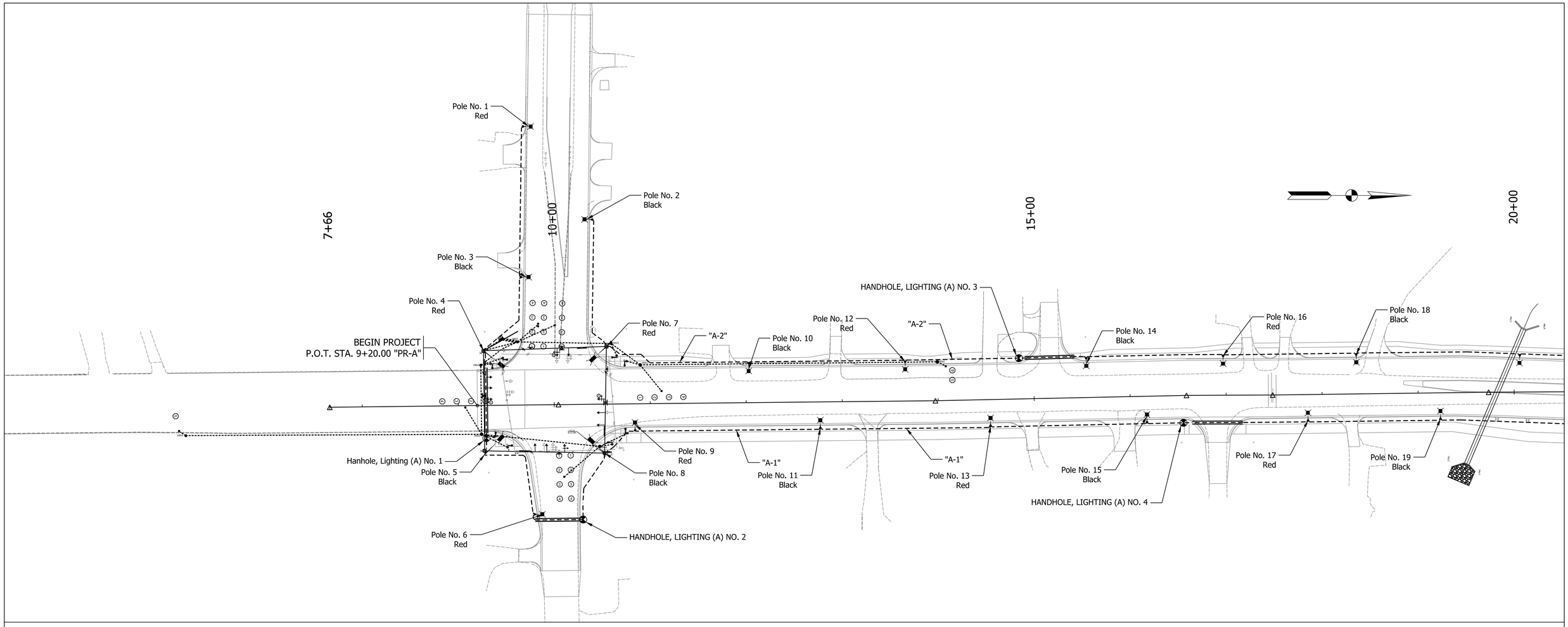
CITY OF FORT WAYNE
INDIANA

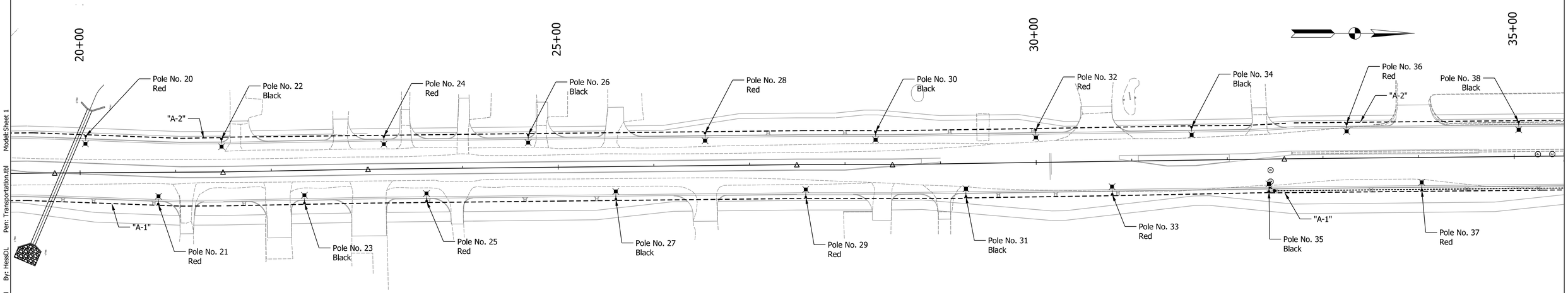
SIGNALIZATION DETAILS
HILLEGAS RD. AND BUTLER RD.

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	95 of 178
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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LEGEND

- LUMINAIRE ORNAMENTAL on LIGHT POLE ORNAMENTAL on LIGHTING FOUNDATION, CONCRETE, WITH GROUNDING, 24 IN. x 24 IN. x 96 IN.
- LUMINAIRE ORNAMENTAL (Leotek GreenCobra) w/6 foot arm on PROPOSED SIGNAL POLE (See Signal Plans)
- HANDHOLE, LIGHTING (CONNECTION TYPE)
- SERVICE POINT, II
- WIRE, NO. 4 COPPER, IN PLASTIC DUCT, 4 1/C IN CONDUIT, STEEL, GALVANIZED, 2 IN.
- WIRE, NO. 4 COPPER, IN PLASTIC DUCT, 4 1/C

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC | DRAWN: KTH/DLH

CHECKED: MJS | CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

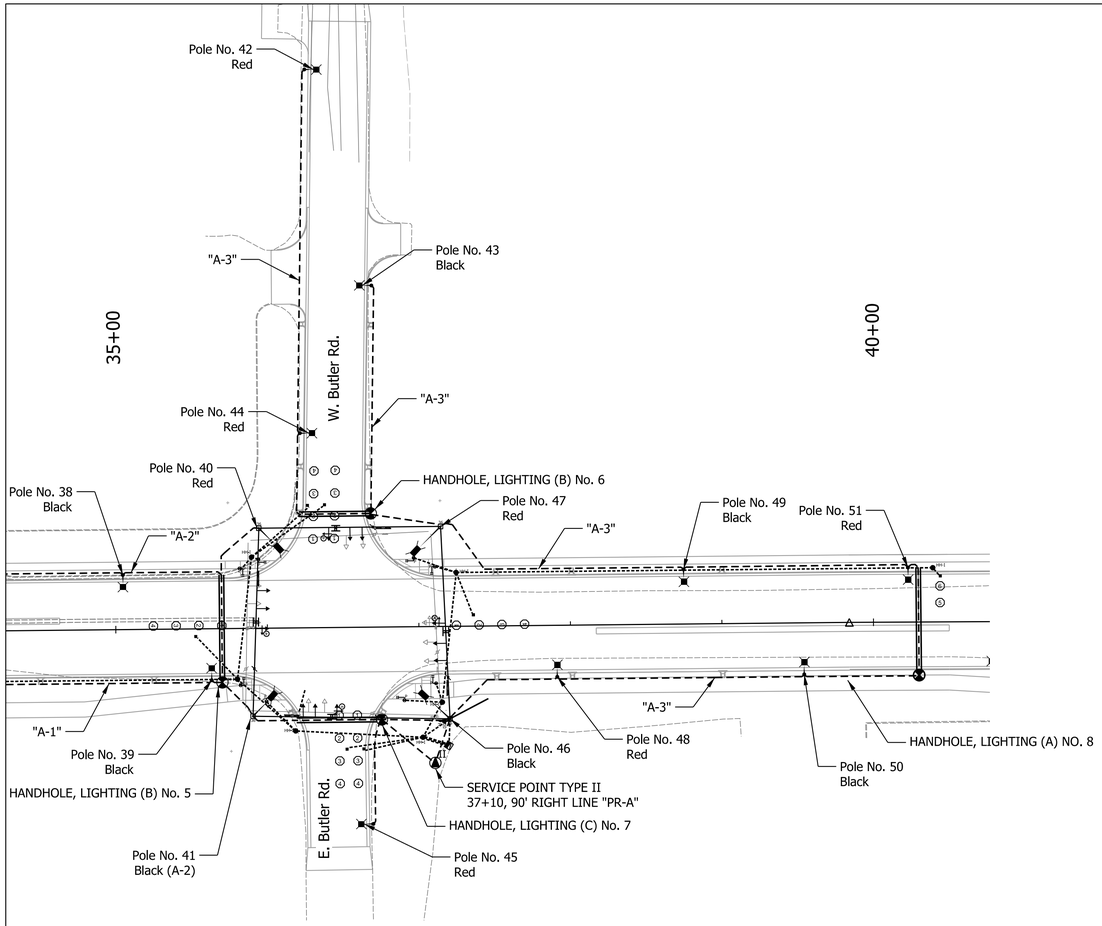
LIGHTING PLAN

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	96 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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By: HessDL
2:25:09 PM
Plot:7/9/2025

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LIGHT POLES

ID NUMBER	STATION	LINE	OFFSET	SIDE	Pole
1	7+11.00	S-2-A	53.0	RT.	30'
2	8+07.00	S-2-A	-20.5	LT.	30'
3	8+68.00	S-2-A	53.0	RT.	30'
4	9+27.00	PR-A	-57.0	LT.	35' Signal
5	9+27.00	PR-A	51.0	RT.	35' Signal
6	11+14.00	S-1-A	18.9	RT.	30'
7	10+55.00	PR-A	-66.0	LT.	35' Signal
8	10+47.00	PR-A	44.0	RT.	35' Signal
9	10+84.00	PR-A	27.0	RT.	30'
10	12+03.00	PR-A	-41.0	LT.	30'
11	12+77.00	PR-A	27.0	RT.	30'
12	13+66.00	PR-A	-41.0	LT.	30'
13	14+54.00	PR-A	27.0	RT.	30'
14	15+55.00	PR-A	-41.0	LT.	30'
15	16+17.00	PR-A	27.0	RT.	30'
16	16+97.00	PR-A	-41.0	LT.	30'
17	17+85.00	PR-A	27.0	RT.	30'
18	18+36.00	PR-A	-41.0	LT.	30'
19	19+23.00	PR-A	28.6	RT.	30'
20	20+06.00	PR-A	-35.7	LT.	30'
21	20+81.00	PR-A	34.0	RT.	30'
22	21+48.00	PR-A	-34.0	LT.	30'
23	22+34.00	PR-A	34.0	RT.	30'
24	23+18.00	PR-A	-34.0	LT.	30'
25	23+62.00	PR-A	34.0	RT.	30'
26	24+69.00	PR-A	-34.0	LT.	30'
27	25+60.00	PR-A	34.0	RT.	30'
28	26+54.00	PR-A	-34.0	LT.	30'
29	27+59.00	PR-A	34.0	RT.	30'
30	28+32.00	PR-A	-34.0	LT.	30'
31	29+26.00	PR-A	34.0	RT.	30'
32	30+00.00	PR-A	-34.0	LT.	30'
33	30+79.00	PR-A	34.0	RT.	30'
34	31+63.00	PR-A	-35.7	LT.	30'
35	32+43.00	PR-A	34.0	RT.	30'
36	33+25.00	PR-A	-36.0	LT.	30'
37	34+03.00	PR-A	34.0	RT.	30'
38	35+05.00	PR-A	-36.0	LT.	30'
39	35+63.00	PR-A	34.0	RT.	30'
40	35+95.00	PR-A	66.0	LT.	35' Signal
41	35+90.00	PR-A	58.0	RT.	35' Signal
42	6+32.00	S-5-A	23.0	RT.	30'
43	7+74.00	S-5-A	-23.0	LT.	30'
44	8+72.00	S-5-A	23.0	RT.	30'
45	11+30.00	S-6-A	-23.0	LT.	30'
46	37+20.00	PR-A	61.0	RT.	35' Signal
47	37+15.00	PR-A	66.0	RT.	35' Signal
48	37+91.00	PR-A	34.0	RT.	30'
49	38+75.00	PR-A	-36.0	LT.	30'
50	39+54.00	PR-A	34.0	RT.	30'
51	40+23.00	PR-A	-36.0	LT.	30'

HANDHOLES

TYPE	ID NUMBER	STATION	LINE	OFFSET	SIDE
A	1	9+25.00	PR-A	34.0	RT.
A	2	11+30.00	S-1-A	28.5	LT.
A	3	14+85.00	PR-A	42.5	LT.
A	4	16+55.00	PR-A	28.5	RT.
B	5	35+20.00	PR-A	35.5	RT.
B	6	36+69.00	PR-A	75.0	LT.
C	7	36+75.00	PR-A	61.0	RT.
A	8	39+80.00	PR-A	35.5	RT.

SERVICE POINT DATA

SERVICE POINT DATA	TYPE	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPERAGE		BRANCH CIRCUIT BREAKER	VOLTAGE DROP	
				RED	BLACK		RED	BLACK
A	II	200 AMP	A-1	6.56	6.01	30 AMP	3.218%	2.751%
			A-2	4.92	5.46	30 AMP	1.974%	2.184%
			A-3	2.73	2.19	30 AMP	0.526%	0.301%

LEGEND

LUMINAIRE ORNAMENTAL on LIGHT POLE ORNAMENTAL on LIGHTING FOUNDATION, CONCRETE, WITH GROUNDING, 24 IN. x 24 IN. x 96 IN.

LUMINAIRE ORNAMENTAL (Leotek GreenCobra) w/6 foot arm on PROPOSED SIGNAL POLE (See Signal Plans)

HANDHOLE, LIGHTING (CONNECTION TYPE)

SERVICE POINT, II

WIRE, NO. 4 COPPER, IN PLASTIC DUCT, 4 1/C IN CONDUIT, STEEL, GALVANIZED, 2 IN.

WIRE, NO. 4 COPPER, IN PLASTIC DUCT, 4 1/C

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

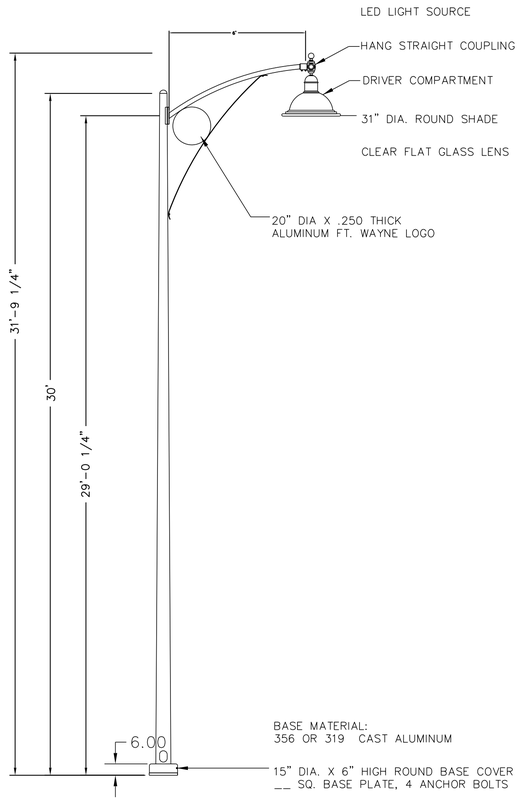
LIGHTING PLANS

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692

SURVEY BOOK	SHEETS
	97 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

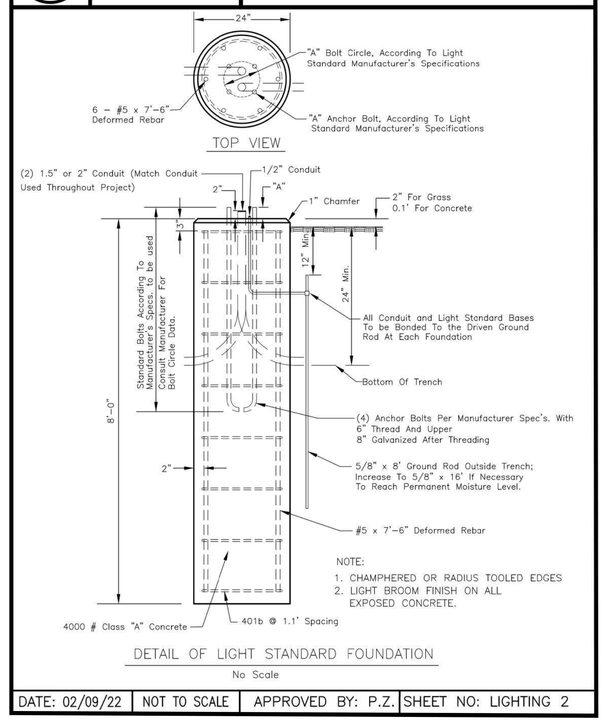
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TRANSPORTATION ENGINEERING STANDARD DETAILS

2' X 8' LIGHT FOUNDATION



DETAIL OF LIGHT STANDARD FOUNDATION

No Scale

DATE: 02/09/22	NOT TO SCALE	APPROVED BY: P.Z.	SHEET NO: LIGHTING 2

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC | DRAWN: KTH/DLH

CHECKED: MJS | CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

LIGHTING DETAIL

SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	98 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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CONVENTIONAL LIGHT STANDARD - LUMINAIRE TABLE

ID NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LUMINAIRE ID		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
IES DISTRIBUTION TYPE		III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
POLE SETBACK (FT) FROM:	**EDGE OF PAVEMENT**																	
	EDGE OF SHOULDER																	
*** DISTANCE IS SET-FORWARD FROM FRONT OF SIDEWALK**	**BACK OF CURB**	3.0	3.0	3.0	NA	NA	3.0	NA	NA	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	S	S	G	S	S	G	G	G	G	G	G	G	G	G
MOUNTING HEIGHT (MH) (FT)		30.0	30.0	30.0	35.0	35.0	30.0	35.0	35.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
EDGE OF PAVEMENT (EP) ELEVATION (FT)		818.90	816.62	815.13	813.90	813.99	813.60	815.47	815.60	816.31	817.27	818.02	818.01	818.45	817.55	817.35	816.36	815.36
TOP OF FOUNDATION ELEVATION (FT)		819.7	817.4	815.9	816.7	815.7	814.4	816.0	814.7	817.1	818.1	818.8	818.8	819.2	818.4	818.2	817.2	816.2
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		0.8	0.8	0.8	2.8	1.7	0.8	0.5	-0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		29.2	29.2	29.2	32.2	33.3	29.2	34.5	35.9	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
MAST ARM LENGTH (FT)		6.0	6.0	6.0	20.0	20.0	6.0	15.0	15.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
LUMINAIRE TILT (DEGREES)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIRCUIT NUMBER		"A-1"	"A-2"	"A-1"	"A-1"	"A-1"	"A-1"	"A-2"	"A-1"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"
CIRCUIT CONNECTION (RED OR BLACK)		B	B	R	B	R	B	R	R	B	B	R	R	B	B	R	R	B
CONNECTION TYPE (PER E807-LTWR-01)		1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ORIENTATION ANGLE (SEE DETAIL)		90	90	90	135	45	90	45	135	90	90	90	90	90	90	90	90	90
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP

**** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES**

POLE SETBACK:

EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING
NA = SIGNAL POLE FOUNDATIONS OUTSIDE BACK OF SIDEWALK

MAST ARM LENGTH:

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

FOUNDATION TYPES:

G = LIGHT STANDARD FOUNDATION, 3 FT. DIA. X 8 FT. (GROUND MOUNTED)
S = SIGNAL STANDARD FOUNDATION, 3 FT. DIA. X 12 FT. (GROUND MOUNTED)
BR = LIGHTING FOUNDATION ON BRIDGE RAILING
BW = BARRIER WALL

ORIENTATION REF. LINE:

EP = EDGE OF PAVEMENT
ES = EDGE OF SHOULDER
BC = BACK OF CURB
BW = BACK OF WALK
SL = STATION LINE

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH

CHECKED: MJS CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

LIGHTING TABLE

SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-42163	1901705 & 2201692

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CONVENTIONAL LIGHT STANDARD - LUMINAIRE TABLE

ID NUMBER		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
LUMINAIRE ID		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
IES DISTRIBUTION TYPE		III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
POLE SETBACK (FT) FROM:	**EDGE OF PAVEMENT**																	
	EDGE OF SHOULDER																	
*** DISTANCE IS SET-FORWARD FROM FRONT OF SIDEWALK**	**BACK OF CURB**	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	S	S	G	S	S	G	G	G	G	G	G	G	G	G
MOUNTING HEIGHT (MH) (FT)		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30
EDGE OF PAVEMENT (EP) ELEVATION (FT)		814.27	813.17	812.18	812.46	812.81	813.65	814.39	814.68	815.63	816.50	816.87	817.84	818.24	818.84	819.50	819.97	820.27
TOP OF FOUNDATION ELEVATION (FT)		815.1	814.0	813.0	813.3	813.6	814.5	815.2	815.5	816.4	817.3	817.7	818.7	819.1	819.7	820.3	820.8	821.1
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
MAST ARM LENGTH (FT)		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
LUMINAIRE TILT (DEGREES)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIRCUIT NUMBER		"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"	"A-1"	"A-2"
CIRCUIT CONNECTION (RED OR BLACK)		B	R	R	B	B	R	R	B	B	R	R	B	B	R	R	B	B
CONNECTION TYPE (PER E807-LTWR-01)		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ORIENTATION ANGLE (SEE DETAIL)		90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP

**** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES**

POLE SETBACK:

EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING
NA = SIGNAL POLE FOUNDATIONS OUTSIDE BACK OF SIDEWALK

MAST ARM LENGTH:

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

FOUNDATION TYPES:

G = LIGHT STANDARD FOUNDATION, 3 FT. DIA. X 8 FT. (GROUND MOUNTED)
S = SIGNAL STANDARD FOUNDATION, 3 FT. DIA. X 12 FT. (GROUND MOUNTED)
BR = LIGHTING FOUNDATION ON BRIDGE RAILING
BW = BARRIER WALL

ORIENTATION REF. LINE:

EP = EDGE OF PAVEMENT
ES = EDGE OF SHOULDER
BC = BACK OF CURB
BW = BACK OF WALK
SL = STATION LINE

CONVENTIONAL LIGHT STANDARD - LUMINAIRE TABLE

ID NUMBER		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
LUMINAIRE ID		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
IES DISTRIBUTION TYPE		III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
POLE SETBACK (FT) FROM:	**EDGE OF PAVEMENT**																	
	EDGE OF SHOULDER																	
*** DISTANCE IS SET-FORWARD FROM FRONT OF SIDEWALK**	**BACK OF CURB**	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	G	G	S	S	G	G	G	G	S	S	G	G	G	G
MOUNTING HEIGHT (MH) (FT)		30.0	30.0	30.0	30.0	30.0	35.0	35.0	30.0	30.0	30.0	30.0	35.0	35.0	30.0	30.0	30.0	30.0
EDGE OF PAVEMENT (EP) ELEVATION (FT)		820.08	819.40	818.38	817.07	816.37	815.72	815.62	819.18	817.28	815.32	813.24	815.20	815.15	815.78	816.70	817.64	818.28
TOP OF FOUNDATION ELEVATION (FT)		820.9	820.2	819.2	817.9	817.2	817.3	815.8	819.3	818.1	816.1	814.1	813.9	815.1	816.6	817.5	818.5	819.1
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		0.8	0.8	0.8	0.8	0.8	1.6	0.2	0.1	0.8	0.8	0.9	-1.3	0.0	0.8	0.8	0.8	0.8
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		29.2	29.2	29.2	29.2	29.2	33.4	34.8	29.9	29.2	29.2	29.1	36.3	35.1	29.2	29.2	29.2	29.2
MAST ARM LENGTH (FT)		6.0	6.0	6.0	6.0	6.0	15.0	15.0	6.0	6.0	6.0	6.0	20.0	20.0	6.0	6.0	6.0	6.0
LUMINAIRE TILT (DEGREES)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIRCUIT NUMBER		"A-1"	"A-2"	"A-1"	"A-2"	"A-2"	"A-2"	"A-2"	"A-3"	"A-3"	"A-3"	"A-1"	"A-3"	"A-3"	"A-3"	"A-3"	"A-3"	"A-3"
CIRCUIT CONNECTION (RED OR BLACK)		R	R	B	B	R	B	R	B	R	B	B	R	R	R	R	B	R
CONNECTION TYPE (PER E807-LTWR-01)		2	2	2	1	2	1	1	2	1	2	2	2	2	2	2	2	2
ORIENTATION ANGLE (SEE DETAIL)		90	90	90	90	90	135	45	90	90	90	90	135	45	90	90	90	90
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP

**** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES**

POLE SETBACK:

EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING
NA = SIGNAL POLE FOUNDATIONS OUTSIDE BACK OF SIDEWALK

MAST ARM LENGTH:

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PT = POST TOP MOUNTING

FOUNDATION TYPES:

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BW = BARRIER WALL

ORIENTATION REF. LINE:

EP = EDGE OF PAVEMENT
ES = EDGE OF SHOULDER
BC = BACK OF CURB
BW = BACK OF WALK
SL = STATION LINE

5+00

Match Exist. Markings to Replace Markings Removed From MOT (Typ.)

BEGIN PROJECT
P.O.T. STA. 9+20.00 "A"

W. STATE BLVD.

10+00

+96 "S-2-A"

+15 "S-2-A"

8+60 "S-2-A"
R2-1 (30) (24"x30")
R5-2 (28"x24")

9+17.95 "S-2-A"
SIGN, SHEET, RESET

+95 "S-2-A"

+45 "S-2-A"

+46 "S-1-A"

+80 "S-1-A"

SPEED LIMIT 30 R2-1

R5-2

IRENE CT
HILLEGAS RD

STOP R1-1

9+45.00 "S-3-A"
D3-1 (IRENE CT)
D3-1 (HILLEGAS RD)
R1-1 (30"x 30")

9+55.25 "S-3-A"
D3-1 (IRENE CT)
D3-1 (HILLEGAS RD)
R1-1
SIGN, SHEET, REMOVE

15+00

Irene Ct.

Hillegas Rd.

+46 "S-3-A"

11+86.63 "A"
SIGN, SHEET, REMOVE
Exist. R2-1(45)

12+64.15 "A"
SIGN, SHEET, REMOVE
Exist. W11-1

11+87.00 "A"
R2-1(45) (30"x36")

SPEED LIMIT 45 R2-1

BEGIN R3-9KP
END R3-9dP
CENTER LANE ONLY R3-9B

14+50 "A"
R3-9cP (30"x 12")
R3-9dP (30"x 12")
R3-9b (24"x36")

NO OUTLET W14-2

10+62.00 "S-4-A"
W14-2 (30"x30")

10+62.43 "S-4-A"
W14-2
SIGN, SHEET, REMOVE

10+45.00 "S-4-A"
D3-1 (WASHINGTON CT)
D3-1 (HILLEGAS RD)
R1-1 (30"x30")

Washington Ct.

+44 "S-4-A"

DEAD END W14-1

18+68.74 "A"
W14-1 (30"x30")

18+80.00 "A"
D3-1 (HUSTED DR.)
D3-1 (HILLEGAS RD.)

HUSTED DR
HILLEGAS RD

18+66.27 "A"
Exist. D3-1 (HUSTED DR.)
Exist. D3-1 (HILLEGAS RD.)
SIGN, SHEET, REMOVE

BEGIN R3-9KP
END R3-9dP
CENTER LANE ONLY R3-9B

18+20.00 "A"
R3-9cP (30"x 12")
R3-9dP (30"x 12")
R3-9b (24"x36")

10+33.66 "S-4-A"
D3-1 (WASHINGTON CT)
D3-1 (HILLEGAS RD)
R1-1
SIGN, SHEET, REMOVE

19+00 "A"
R4-7 (18"x30")
OM3-L (6"x18")

R4-7 OM3-L

WASHINGTON CT
HILLEGAS RD

STOP R1-1

20+00

SARGENT DITCH

25+00

30+00

THREE RIVERS WESLYAN CHURCH SIGN
DO NOT DISTURB

THREE RIVERS WESLYAN CHURCH SIGN
DO NOT DISTURB
SIGN, SHEET, REMOVE

32+77.54 "A"
Exist. R4-7
EXIST. OM3-L
SIGN, SHEET, REMOVE

ONE WAY R6-1R

33+88.00 "A"
R6-1R (36"x12")
Exist. R6-1R
SIGN, SHEET, REMOVE

Hillegas Rd.

28+85.00 "A"
R4-7 (18"x30")
OM3-L (6"x18")

31+00 "A"
R4-7 (18"x30")
OM3-L (6"x18")

32+20 "A"
SIGN, SHEET, RESET

ANIMAL CARE & CONTROL

34+55.00 "A"
R4-7 (18"x30")
OM3-L (6"x18")

LEGEND

(45) TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, 24 IN
(46) LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN
(47) LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN
(48) LINE, MULTI-COMPONENT, BROKEN, WHITE, 6 IN
(49) LINE, MULTI-COMPONENT, BROKEN, YELLOW, 6 IN
(50) PAVEMENT MESSAGE MARKING, MUTL-COMPONENT, LANE INDICATION ARROW
(51) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSHATCH, WHITE, 12 IN @ 20' O.C.
(52) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSHATCH, YELLOW, 12 IN @ 20' O.C.
(53) TRANVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK LINE, WHITE, 6 IN
(54) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSWALK LINE, 24 IN
(55) PAVEMENT MARKING MESSAGE, MULTI-COMPONET, ONLY
(56) LINE, MULTI-COMPONENT, SOLID, YELLOW, 8 IN

gai consultants

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: EJC DRAWN: KTH/DLH
CHECKED: MJS CHECKED: MJS/ARW

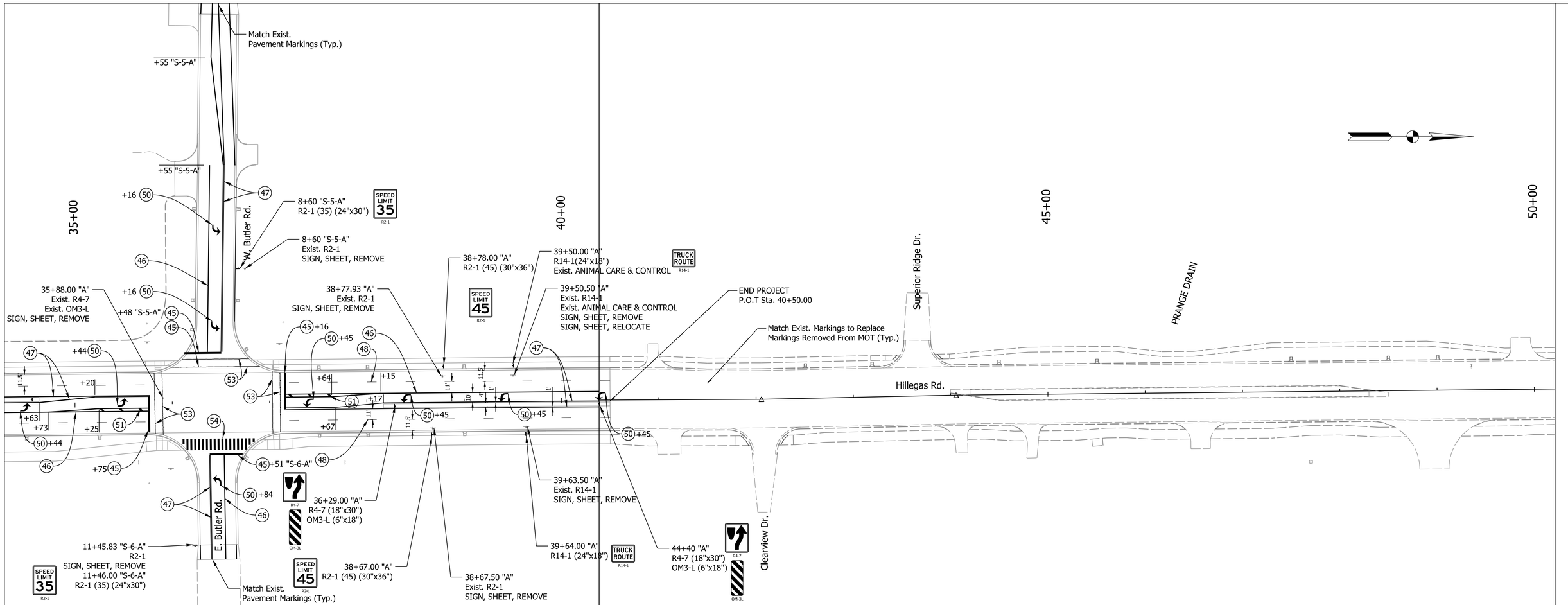
CITY OF FORT WAYNE
INDIANA

PAVEMENT MARKINGS AND SIGNING

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
	102 of 178
CONTRACT	PROJECT
R-42163	1901705 & 2201692

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Pen: Transportation.tbl
By: HessDL
2:27:12 PM
Plot:7/9/2025

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LEGEND

(45) TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, 24 IN
(46) LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN
(47) LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN
(48) LINE, MULTI-COMPONENT, BROKEN, WHITE, 6 IN
(49) LINE, MULTI-COMPONENT, BROKEN, YELLOW, 6 IN
(50) PAVEMENT MESSAGE MARKING, MUTL-COMPONENT, LANE INDICATION ARROW
(51) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSHATCH, WHITE, 12 IN @ 20' O.C.
(52) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSHATCH, YELLOW, 12 IN @ 20' O.C.
(53) TRANVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK LINE, WHITE, 6 IN
(54) TRANVERSE MARKINGS, MULTI-COMPONENT, SOLID, CROSSWALK LINE, 24 IN
(55) PAVEMENT MARKING MESSAGE, MULTI-COMPONET, ONLY
(56) LINE, MULTI-COMPONENT, SOLID, YELLOW, 8 IN

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: EJC | DRAWN: KTH/DLH

CHECKED: MJS | CHECKED: MJS/ARW

CITY OF FORT WAYNE
INDIANA

PAVEMENT MARKINGS
AND SIGNING

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2201692
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-42163	1901705 & 2201692

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