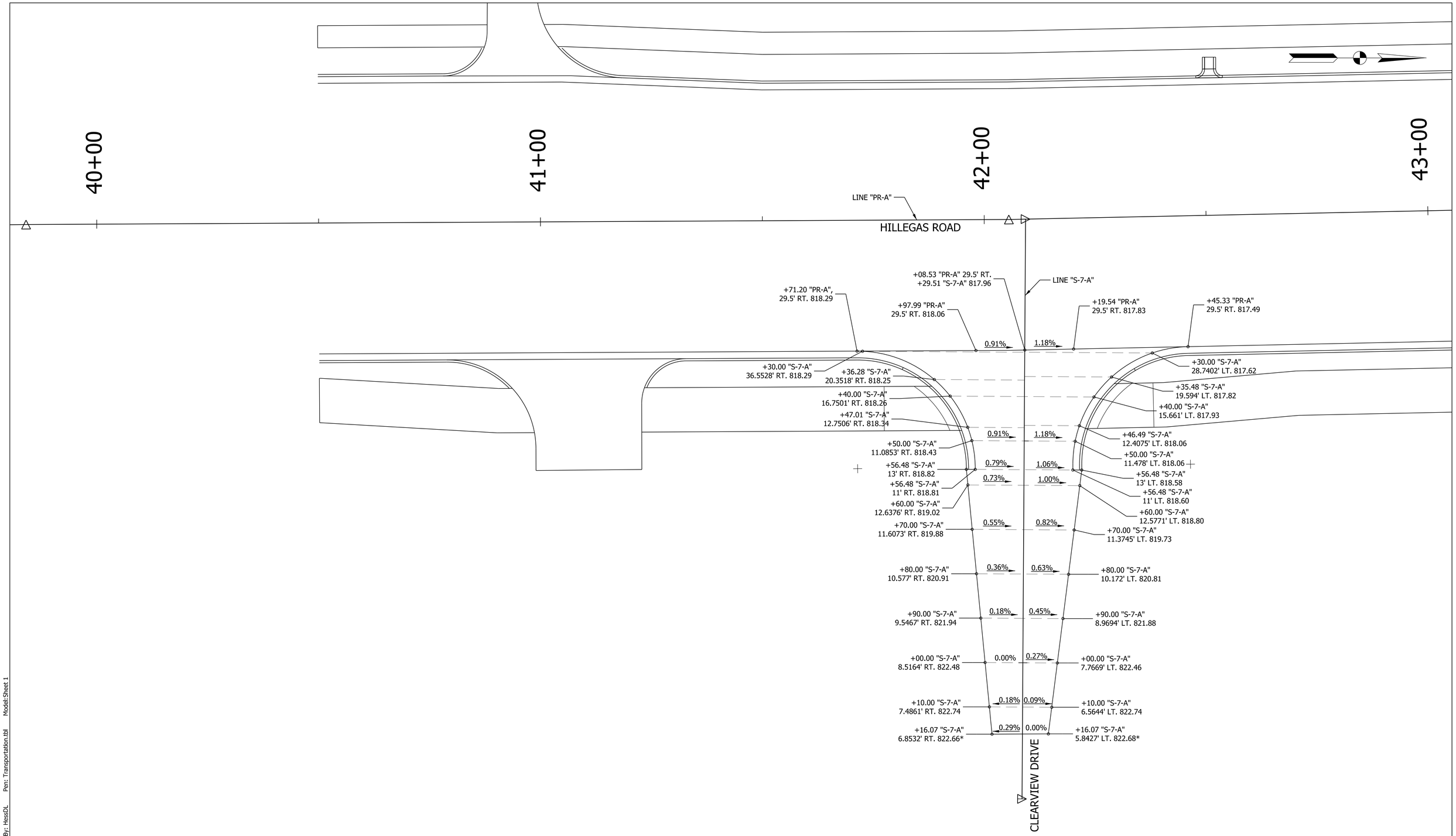


NOTE: PROFILES FOR S-LINES AND PR-A CAN BE FOUND ON PLAN AND PROFILE SHEETS

* INDICATES EXISTING ELEVATION AT TIE IN POINT OF NEW CONSTRUCTION AND EXISTING ROADWAY

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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH

CHECKED: JAS CHECKED: JAS/DLH

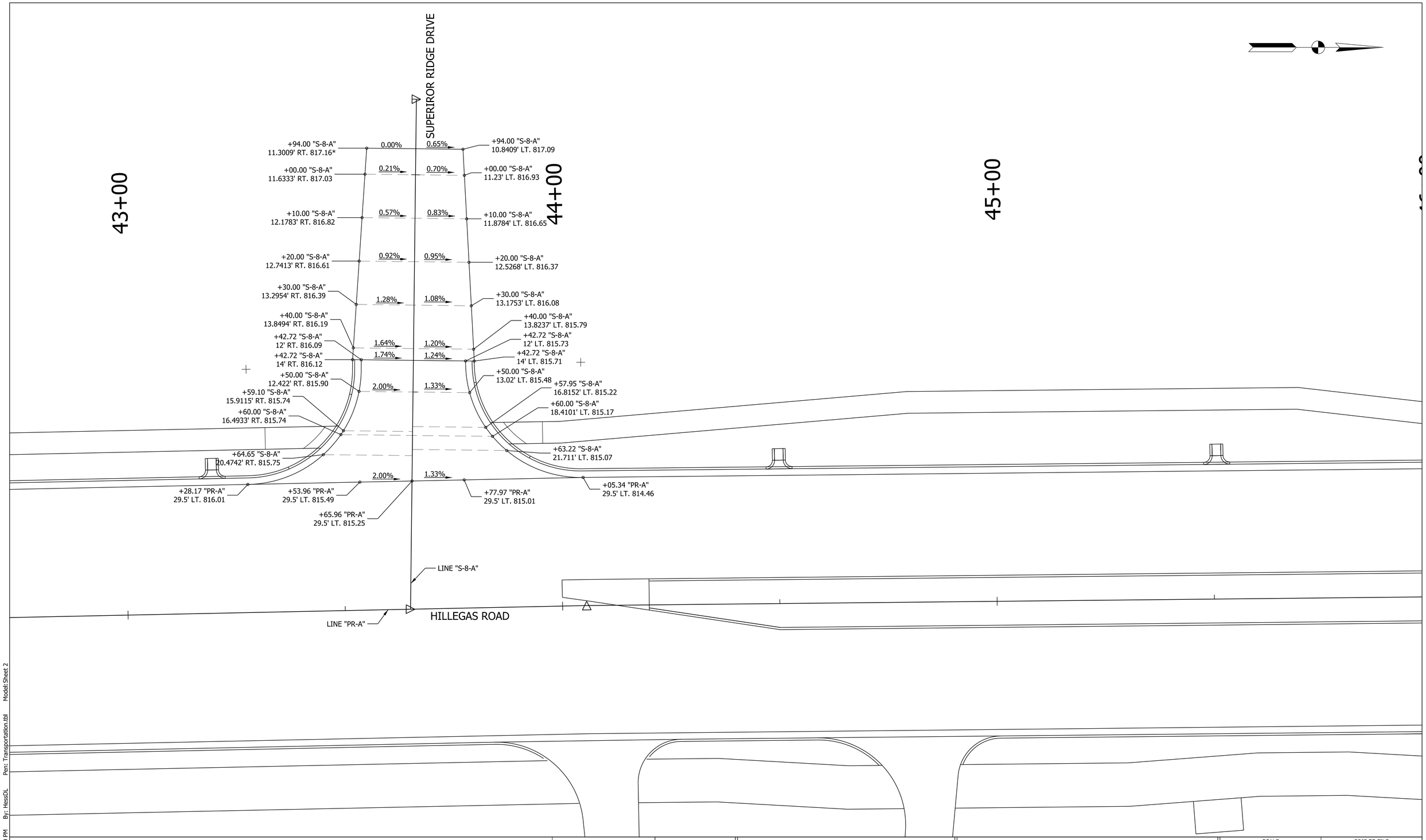
CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
CLEARVIEW DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	48 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:28 PM By: HessDL Pen: Transportation.tbl Model:Sheet 1

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CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
SUPERIOR RIDGE DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	49 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:30 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 - Approach Details - Project 2.dgn

54+00

55+00

56+00

N0°35'34"W

HILLEGAS ROAD

LINE "PR-A"

LINE "S-9-A"

+31.14 "PR-A"
29.6076' RT. 819.48

+28.03 "PR-A"
29.5' RT. 819.45

+72.76 "PR-A"
29.5' RT. 819.88

+03.09 "PR-A"
29.5' RT. 820.17

+32.26 "PR-A"
29.5' RT. 820.45

+74.01 "PR-A"
29.5' RT. 820.84

+71.90 "PR-A"
29.5538' RT. 820.82

0.94%

0.97%

+30.09 "S-9-A"
65.6796' RT. 819.54

+30.74 "S-9-A"
62.4959' LT. 820.75

+34.41 "S-9-A"
54.0334' RT. 819.56

+40.00 "S-9-A"
45.9091' RT. 819.52

+44.95 "S-9-A"
41.0051' RT. 819.47

+50.00 "S-9-A"
37.2974' RT. 819.41

+60.00 "S-9-A"
32.5820' RT. 819.28

0.94%

0.97%

0.86%

0.61%

+35.06 "S-9-A"
50.6762' LT. 820.55

+40.00 "S-9-A"
43.5636' LT. 820.38

+45.49 "S-9-A"
38.2698' LT. 820.22

+50.00 "S-9-A"
35.1262' LT. 820.10

+60.00 "S-9-A"
30.7710' LT. 819.74

+70.00 "S-9-A"
30.5157' RT. 819.12

+80.00 "S-9-A"
30.3333' RT. 818.99

+90.00 "S-9-A"
30.3333' RT. 818.88

+00.00 "S-9-A"
30.3333' RT. 818.77

+05.00 "S-9-A"
30.3333' RT. 818.72*

0.77%

0.69%

0.60%

0.52%

0.46%

0.25%

0.11%

0.46%

0.82%

0.99%

+70.00 "S-9-A"
29.1912' LT. 819.43

+80.00 "S-9-A"
29.1667' LT. 819.17

+90.00 "S-9-A"
29.1667' LT. 818.93

+00.00 "S-9-A"
29.1667' LT. 818.69

+05.00 "S-9-A"
29.1667' LT. 818.57*

INDEPENDENCE DRIVE

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CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
INDEPENDENCE DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	50 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:32 PM By: HeissDL Pen: Transportation.tbl Model:Sheet 3

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Approach Details - Project 2.dgn

70+00

71+00

72+00

CONCEPT COURT

+04.00 "S-10-A"
26.1667' RT. 825.78*

+10.00 "S-10-A"
26.1667' RT. 825.66

+20.00 "S-10-A"
26.1667' RT. 825.60

+30.00 "S-10-A"
26.8603' RT. 825.65

+40.00 "S-10-A"
30.0629' RT. 825.72

+42.77 "S-10-A"
31.4847' RT. 825.70

+48.03 "S-10-A"
34.9911' RT. 825.67

+50.00 "S-10-A"
36.6356' RT. 825.66

+60.00 "S-10-A"
50.0084' RT. 825.64

1.34%
1.05%
0.56%
0.07%
0.42%
0.42%

+24.24 "PR-A"
36.5' LT. 825.70

+65.35 "PR-A"
36.5' LT. 825.51

+90.90 "PR-A"
36.5' LT. 825.40

0.98%
0.92%
0.77%
0.63%
0.49%
0.49%

+04.00 "S-10-A"
14.3333' LT. 825.99*

+10.00 "S-10-A"
14.3333' LT. 825.80

+20.00 "S-10-A"
14.3333' LT. 825.64

+30.00 "S-10-A"
15.0157' LT. 825.58

+40.00 "S-10-A"
18.2012' LT. 825.50

+41.68 "S-10-A"
19.0269' LT. 825.48

+46.94 "S-10-A"
22.289' LT. 825.42

+50.00 "S-10-A"
24.7482' LT. 825.39

+60.00 "S-10-A"
38.0461' LT. 825.24

+05.23 "PR-A"
36.5' LT. 825.33

+46.33 "PR-A"
36.5' LT. 825.14

LINE "S-10-A"

HILLEGAS ROAD

LINE "PR-A"

LINE "S-11-A"

+92.47 "PR-A"
22.9515' RT. 825.66

+38.67 "PR-A"
22.5036' RT. 825.92

+79.75 "PR-A"
22.8683' RT. 825.72

+05.81 "PR-A"
22.8435' RT. 825.60

+47.73 "PR-A"
22.5039' RT. 825.42

0.49%
0.45%

+28.74 "S-11-A"
31.8024' RT. 825.73

+30.00 "S-11-A"
29.9079' RT. 825.70

+39.26 "S-11-A"
20.446' RT. 825.52

+40.00 "S-11-A"
19.9127' RT. 825.50

+50.00 "S-11-A"
14.7336' RT. 825.00

+60.00 "S-11-A"
12.5178' RT. 824.46

+70.00 "S-11-A"
12.3333' RT. 823.93

+80.00 "S-11-A"
12.3333' RT. 823.41

+90.00 "S-11-A"
12.3333' RT. 823.11

+93.89 "S-11-A"
12.3333' RT. 823.05*

0.49%
0.45%
0.20%
0.73%
0.08%
1.01%
0.37%
1.29%
0.66%
1.57%
0.94%
1.85%
1.05%
1.95%

KRAFT PARKWAY

+29.42 "S-11-A"
33.4966' LT. 825.42

+30.00 "S-11-A"
32.5597' LT. 825.41

+39.72 "S-11-A"
21.9359' LT. 825.31

+40.00 "S-11-A"
21.7208' LT. 825.31

+50.00 "S-11-A"
16.1453' LT. 824.85

+60.00 "S-11-A"
13.6376' LT. 824.34

+70.00 "S-11-A"
13.3333' LT. 823.81

+80.00 "S-11-A"
13.3333' LT. 823.28

+90.00 "S-11-A"
13.3333' LT. 822.98

+93.89 "S-11-A"
13.3333' LT. 822.92*

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH

CHECKED: JAS CHECKED: JAS/DLH

CITY OF FORT WAYNE
INDIANA

APPROACH DETAILS
CONCEPT COURT AND HILLEGAS ROAD
KRAFT PARKWAY AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 10'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	51 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:33 PM By: HessDL Pen: Transportation.tbl Model:Sheet 4

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Approach Details - Project 2.dgn

LINE "PR-A"

41+25 | 41+50 | 41+75 | 42+00 | 10+00 | 42+25 | 42+50 | 42+75

HILLEGAS ROAD

LINE "S-7-A"

10+25

818.24 B.C.

818.74 T.C.

0.23%

7.13%

818.22

818.94

7.20%

0.75%

1.50%

4.61%

819.09

818.31

10.89%

5.28%

818.78 B.C.

819.28 T.C.

10+50

817.79

1.76%

817.69 B.C.

818.19 T.C.

8.00%

818.31

6.50%

1.09%

1.50%

2.88%

818.46

818.03

5.73%

11.02%

818.57 B.C.

819.07 T.C.

CLEARVIEW DRIVE

10+75

LEGEND

(CR) CURB RAMP

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CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
CLEARVIEW DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	52 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:40 PM By: HeissDL Pen: Transportation.tbl Model:Sheet 1

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Curb Ramps - Project 2.dgn

SUPERIOR RIDGE DRIVE

9+25

9+50

9+75

10+00

HILLEGAS ROAD

LINE "S-8-A"

LINE "PR-A"

43+00

43+25

43+50

43+75

44+00

44+25

816.35 T.C.

815.85 B.C.

8.00%

1.63%

816.77

6.47%

1.50%

815.71

7.50%

0.15%

816.62

7.75%

815.72

816.34 T.C.

815.84 B.C.

1.36%

815.52 B.C.

816.02 T.C.

8.30%

3.34%

815.63

3.86%

1.50%

815.19

2.29%

6.29%

815.48

815.04

6.60%

3.20%

815.37 T.C.

814.87 B.C.

LEGEND

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CITY OF FORT WAYNE
INDIANA

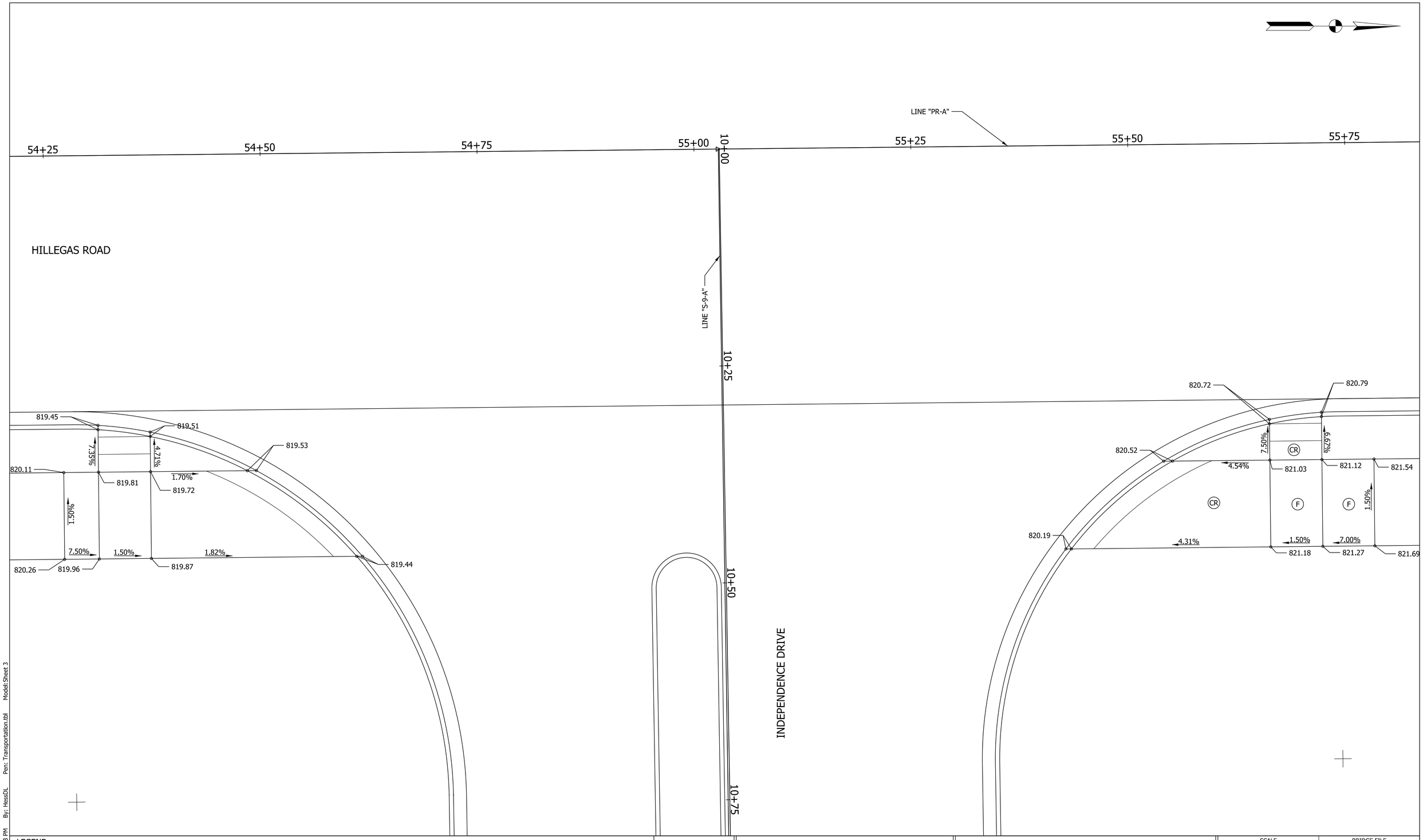
CURB RAMP DETAILS
SUPERIOR RIDGE DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	53 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:41 PM By: HessDL Pen: Transportation.tbl Model:Sheet 2

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LEGEND

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CITY OF FORT WAYNE
INDIANA

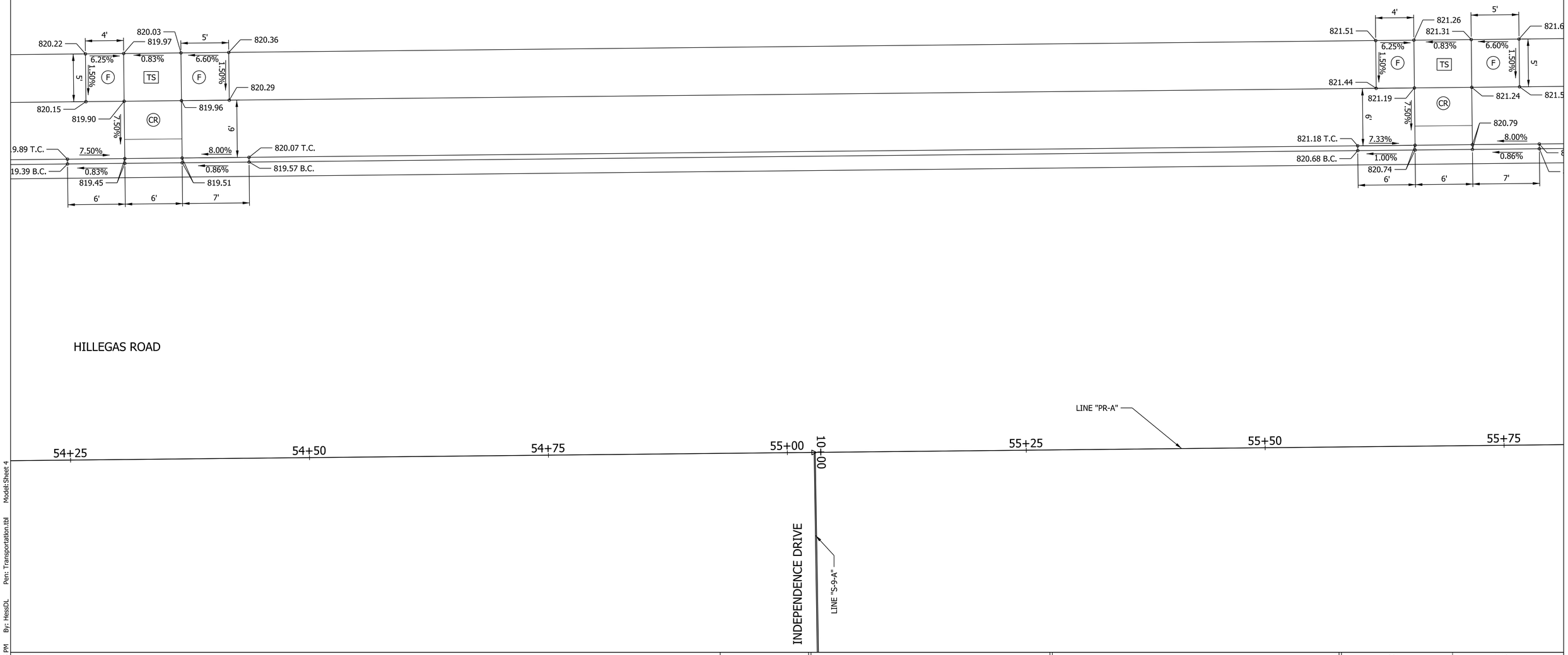
CURB RAMP DETAILS
INDEPENDENCE DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	54 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:43 PM By: HessDL Pen: Transportation.tbl Model:Sheet 3

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INDIANA

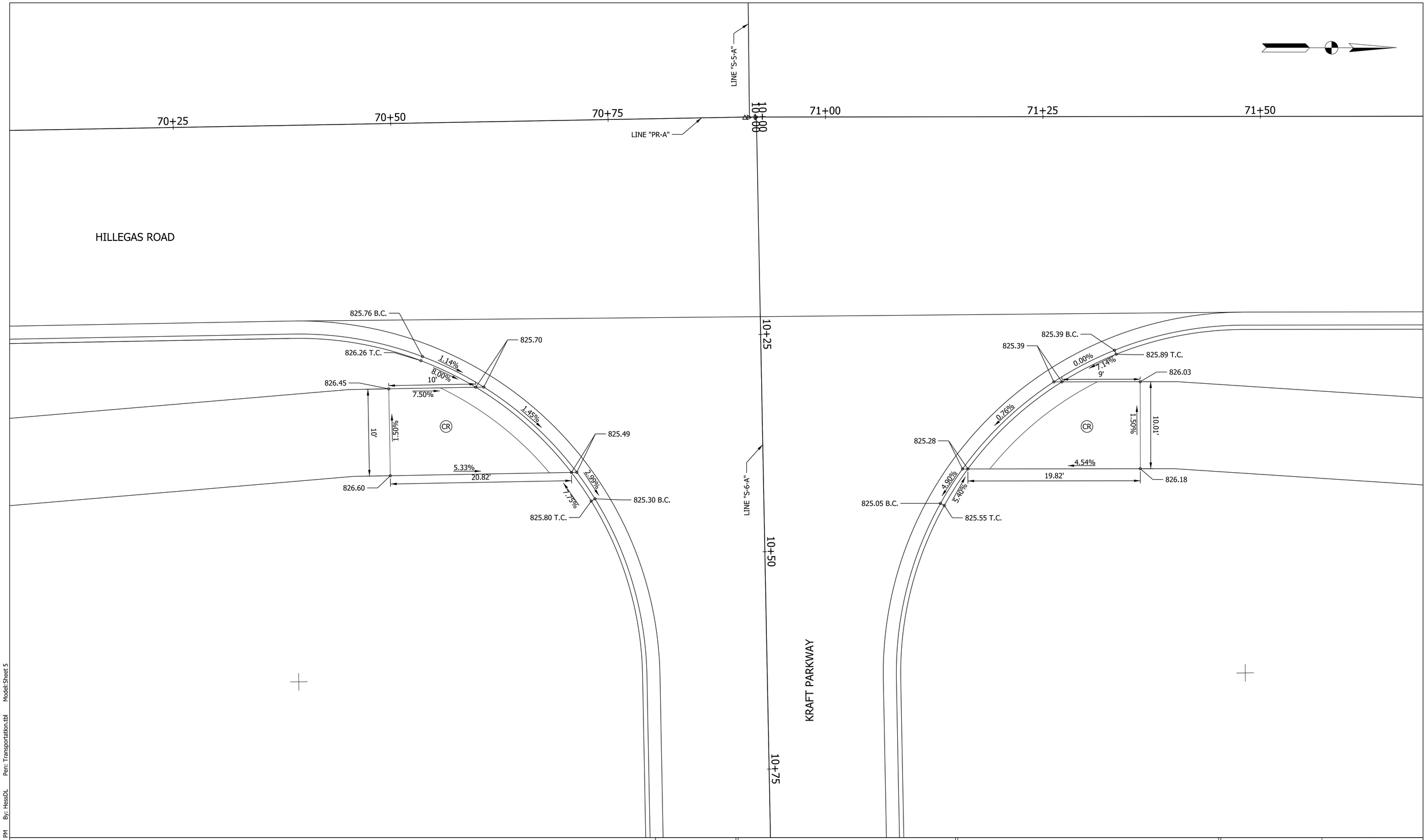
CURB RAMP DETAILS
INDEPENDENCE DRIVE AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS		
	55	of	154
CONTRACT	PROJECT		
R-46105	1901705 & 2500056		

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By: HessDL
3:41:45 PM
Plot:7/9/2025

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LEGEND

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DESIGN ENGINEER DATE

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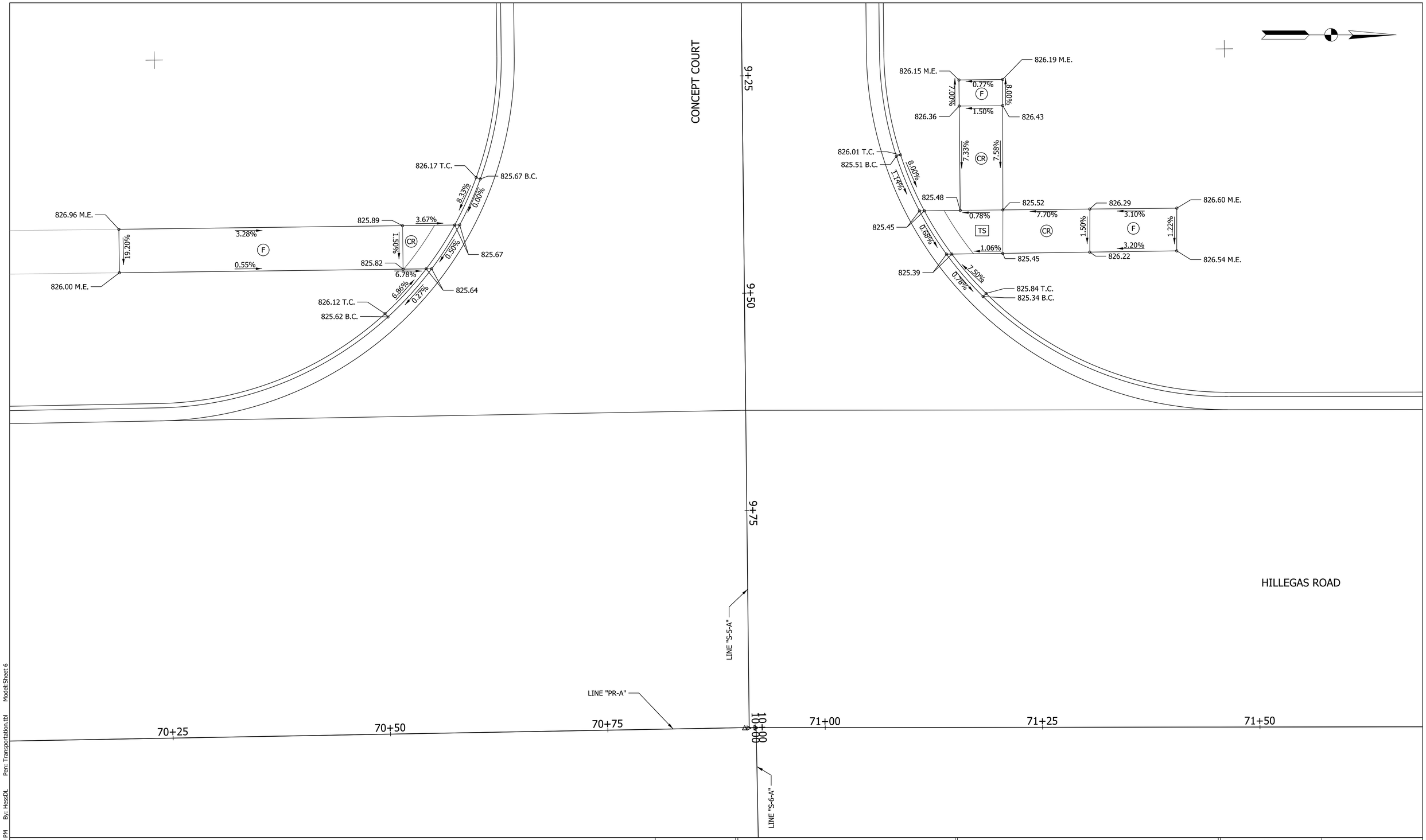
CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
KRAFT PARKWAY AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	56 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:47 PM By: HessDL Pen: Transportation.tbl Model:Sheet 5

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LEGEND

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CHECKED: JAS | CHECKED: JAS/DLH

CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
CONCEPT COURT AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056

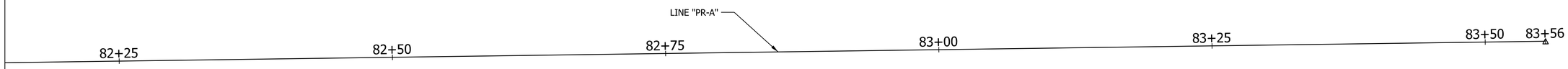
SURVEY BOOK	SHEETS
	57 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:49 PM By: HessDL Pen: Transportation.tbl Model:Sheet 6

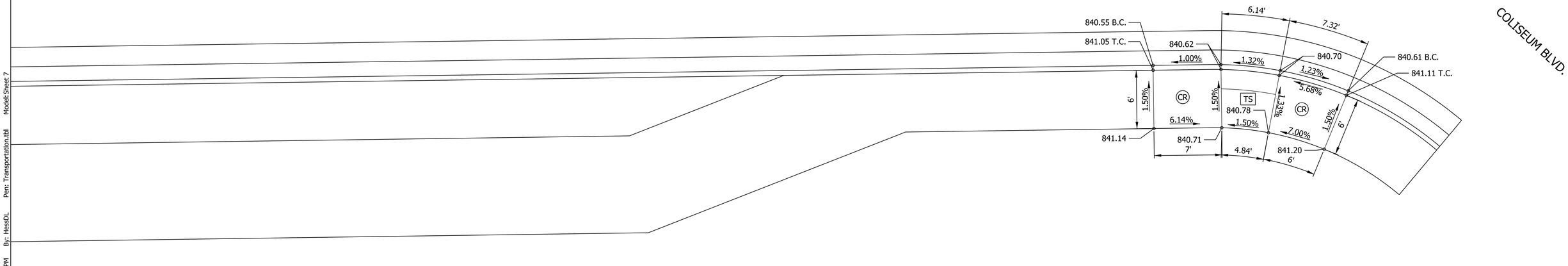
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HILLEGAS ROAD



HILLEGAS ROAD



LEGEND

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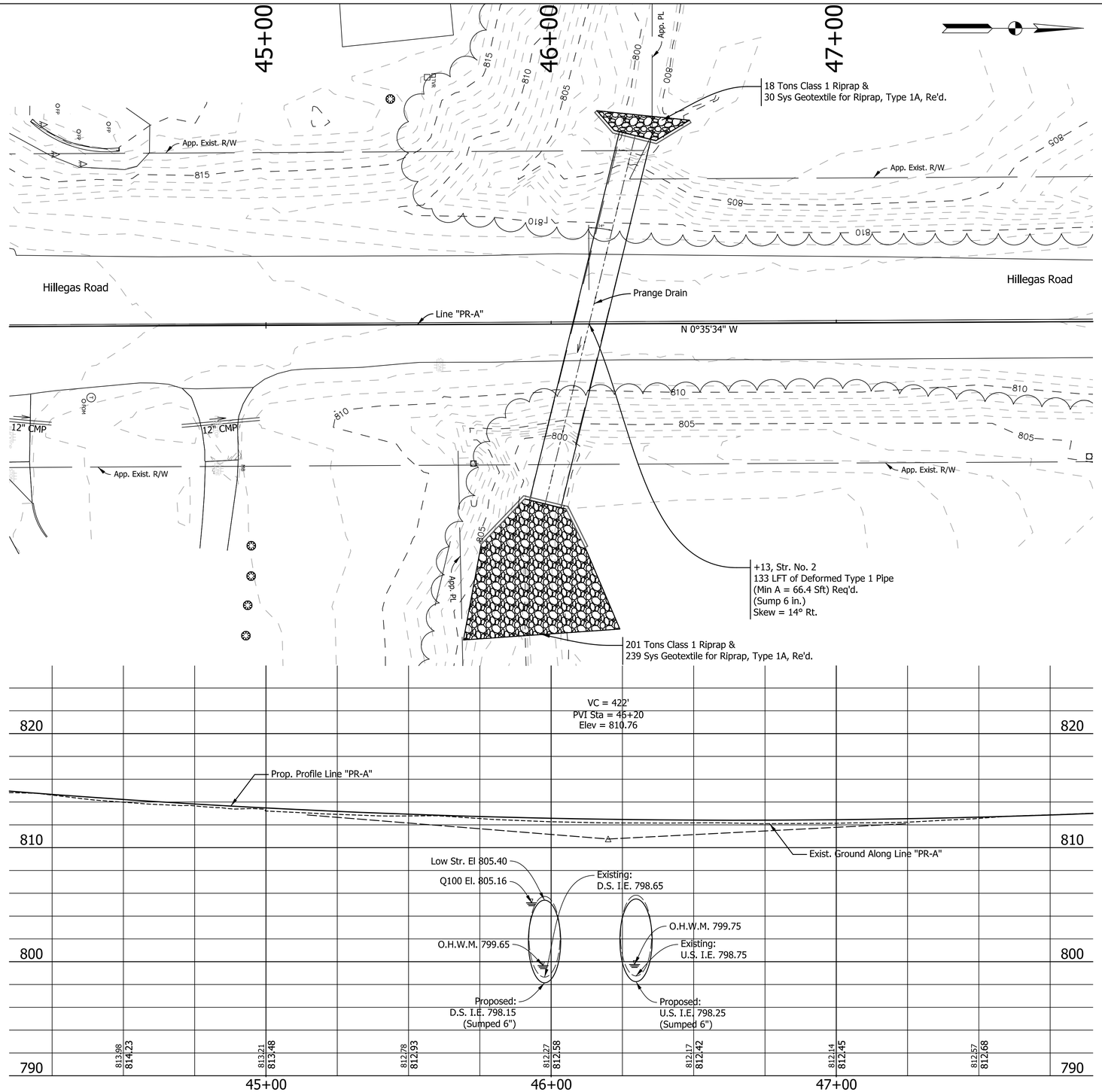
CITY OF FORT WAYNE
INDIANA

CURB RAMP DETAILS
COLISEUM BLVD. AND HILLEGAS ROAD

SCALE	BRIDGE FILE
1" = 5'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	58 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/9/2025 3:41:50 PM By: HessDL Pen: Transportation.tbl Model:Sheet 7

Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Curb Ramps - Project 2.dgn



EXISTING STRUCTURE

Present Structure is a 131" x 85" Structural Plate Pipe Arch.
(Present Structure is to be Removed)

HYDRAULIC DATA

Drainage Area	364	Acres
Design Discharge, Q100	405	Cfs.
High Water Elevation, Q100	El. 805.16	
Existing Small Structure		
Waterway Area		
Net Area Thru Str.	60.7	Sft
Gross Area thru Str.	60.7	Sft
Area Over Road	0	Sft
Velocity thru Str. Q50	8.1	Fps.
Backwater at Q100	3.06	ft.
Low Structure Elev.	El. 805.73	
Proposed Culvert		
Waterway Area		
Net Area Thru Culvert	62.6	Sft
Provided Gross Area thru Culvert	62.6	Sft
Area Over Road	0	Sft
Velocity thru Str. Q50	7.6	Fps.
Backwater at Q100	1.96	ft.
Proposed Low Structure Elev.	El. 805.40	
Skew	14° Rt.	
Flowline Elevation (@ Upstream)	El. 798.75	
Flowline Elevation (@ Downstream)	El. 798.65	

PIPE, TYPE 1, DEFORMED (MIN. A = 66.4 SFT)
62'-0" CLEAR ROADWAY SKEW: 14° Rt.
HILLEGAS ROAD OVER PRANGE DRAIN
ALLEN COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: DJG DRAWN: DJG
CHECKED: VGE CHECKED: VGE

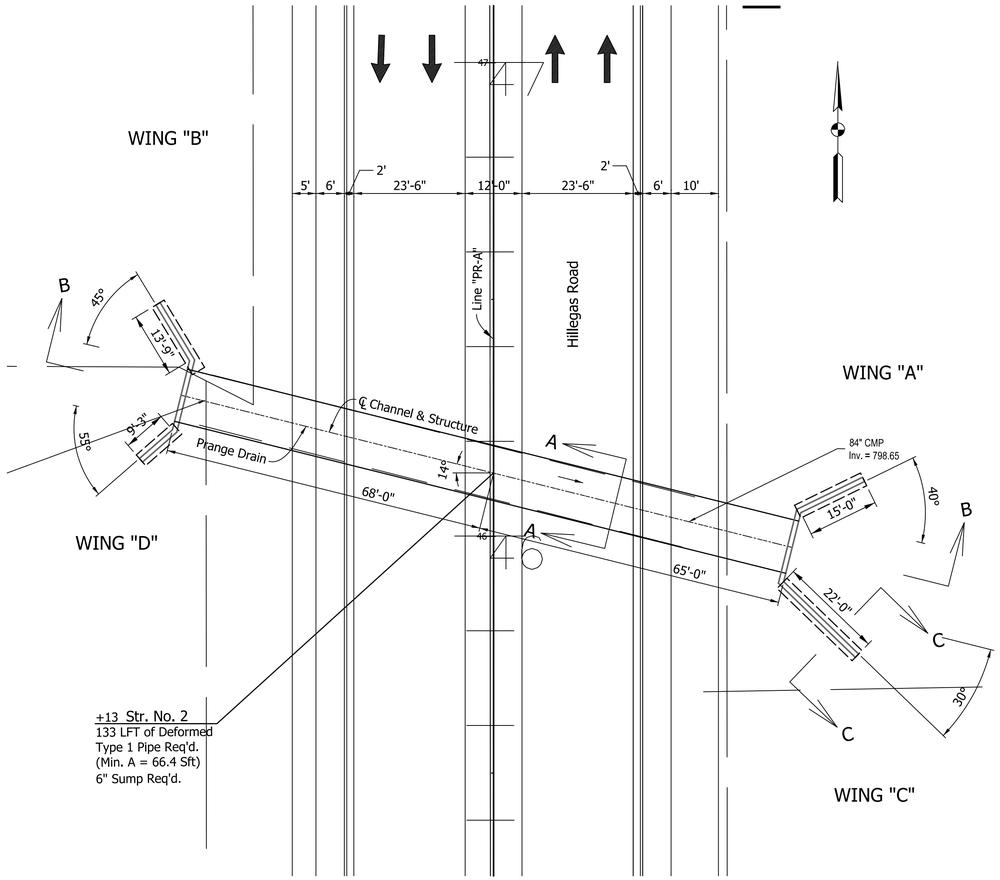
CITY OF FORT WAYNE
INDIANA

LAYOUT SHEET
PRANGE DRAIN

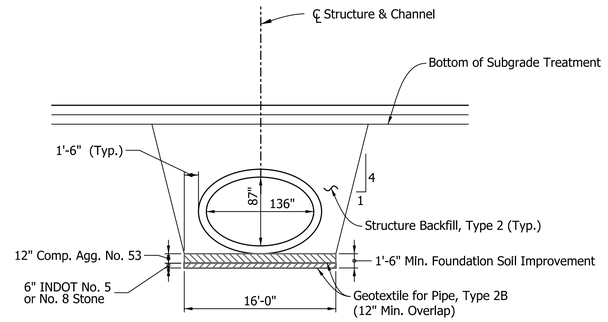
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1901705 & 2500056

SURVEY BOOK	SHEETS
Electronic	58 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

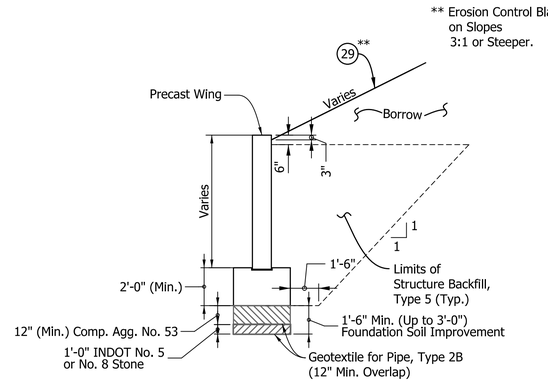
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PLAN
1/16" = 1'-0"



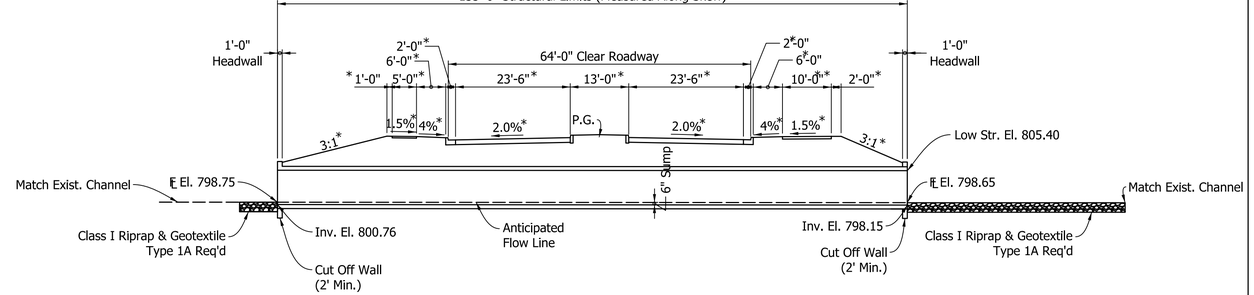
SECTION A-A
1/8" = 1'-0"



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

Culvert & Wingwall Foundation Soil Improvement Quantities

Excavation, Common	138	CYS
Compacted Aggregate No. 8	48	CYS
Compacted Aggregate No. 53	92	CYS
Geotextile For Pipe, Type 2B	587	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. (6" Sump)

Where foundation soil improvement is required, 12 inches of soil 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. 60.

PIPE, TYPE 1, DEFORMED (MIN. A = 66.4 SFT)
62'-0" CLEAR ROADWAY SKEW: 14° Rt.
HILLEGAS ROAD OVER PRANGE DRAIN
ALLEN COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: DJG DRAWN: DJG
CHECKED: VGE CHECKED: VGE

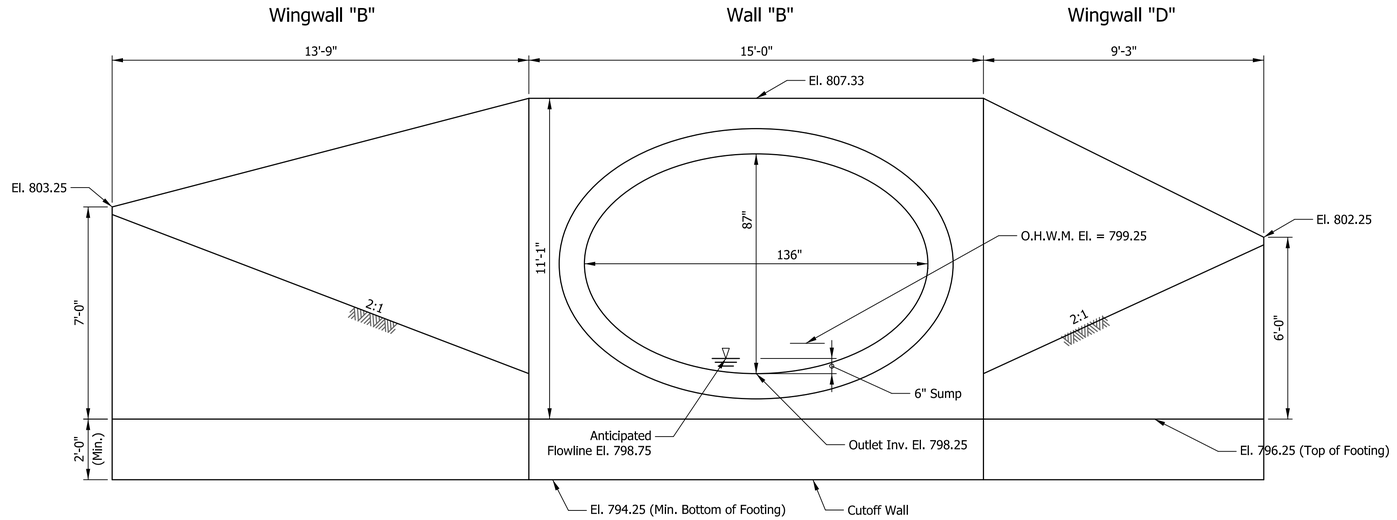
CITY OF FORT WAYNE
INDIANA

GENERAL PLAN
PRANGE DRAIN

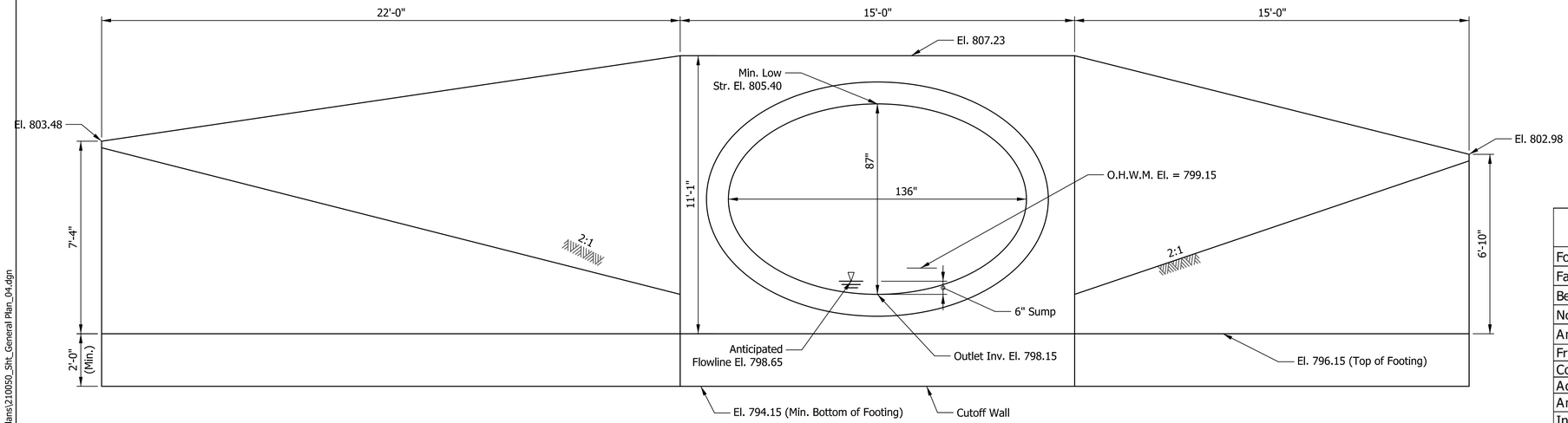
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AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1901705 & 2500056

SURVEY BOOK	SHEETS		
Electronic	59	of	154
CONTRACT	PROJECT		
R-46105	1901705 & 2500056		

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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 = 686 Sft)

Contractor shall verify the existing flow line elevation to set appropriate sump depth. (6" 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"	134 Sft.	15'-0"
Wing "B"	124 Sft.	13'-9"
Wing "C"	199 Sft.	22'-0"
Wing "D"	79 Sft	9'-3"
Wall "A"	75 Sft.	15'-0"
Wall "B"	75 Sft.	15'-0"

SOIL PARAMETERS FOR FOOTING/WING DESIGN			
Footing Width (ft)	3	4	5
Factored Bearing Resistance (Q_R) (psf)	4,040	3,760	3,630
Bearing Resistance Factor (φ_b) (psf)	0.45	0.45	0.45
Nominal Bearing Resistance (Q_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°

Note: See Sheet No. 59 for General Plan and Sections.

PIPE, TYPE 1, DEFORMED (MIN. A = 66.4 SFT)
62'-0" CLEAR ROADWAY SKEW: 14° Rt.
HILLEGAS ROAD OVER PRANGE DRAIN
ALLEN COUNTY

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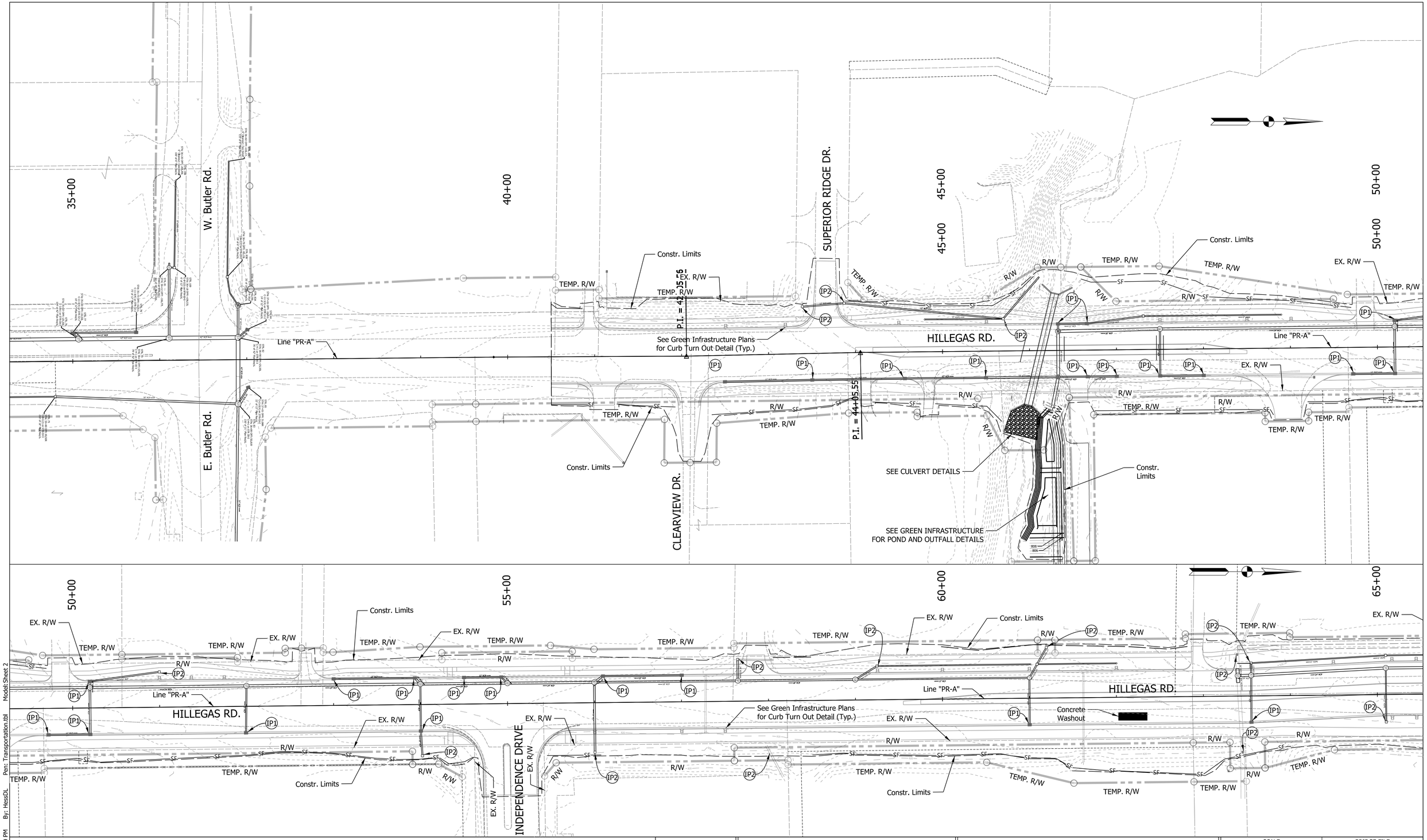
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CHECKED: VGE CHECKED: VGE

CITY OF FORT WAYNE
INDIANA

GENERAL PLAN
PRANGE DRAIN

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1901705 & 2500056
SURVEY BOOK	SHEETS
Electronic	60 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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LEGEND

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

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

gai consultants

NOT FOR CONSTRUCTION

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DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH

CHECKED: JAS CHECKED: JAS/DLH

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INDIANA

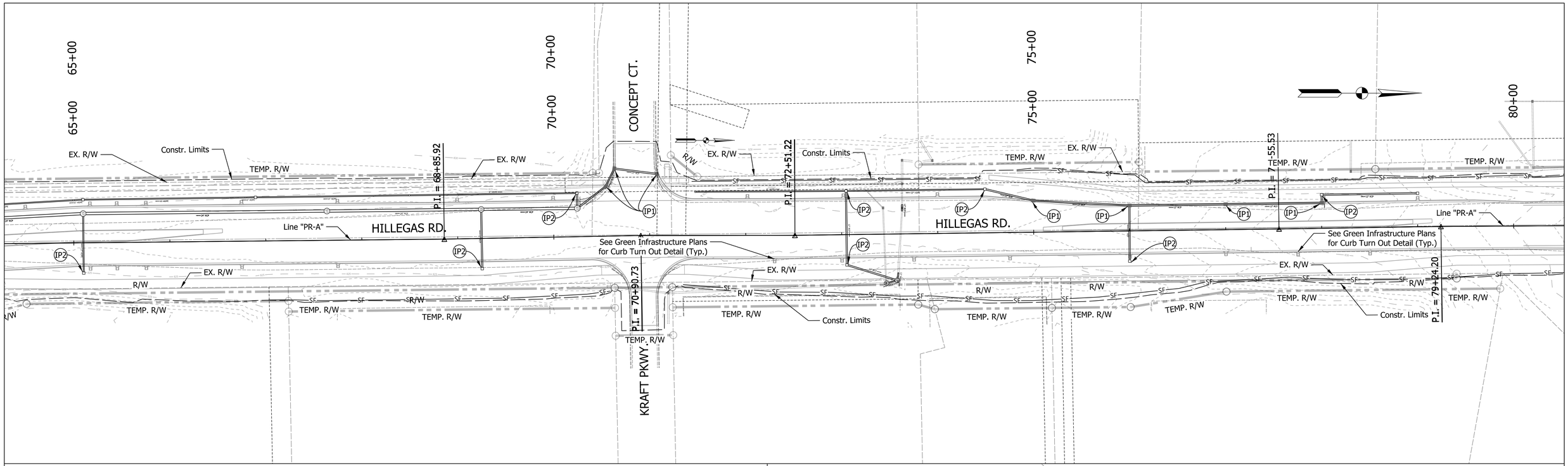
TEMPORARY EROSION CONTROL

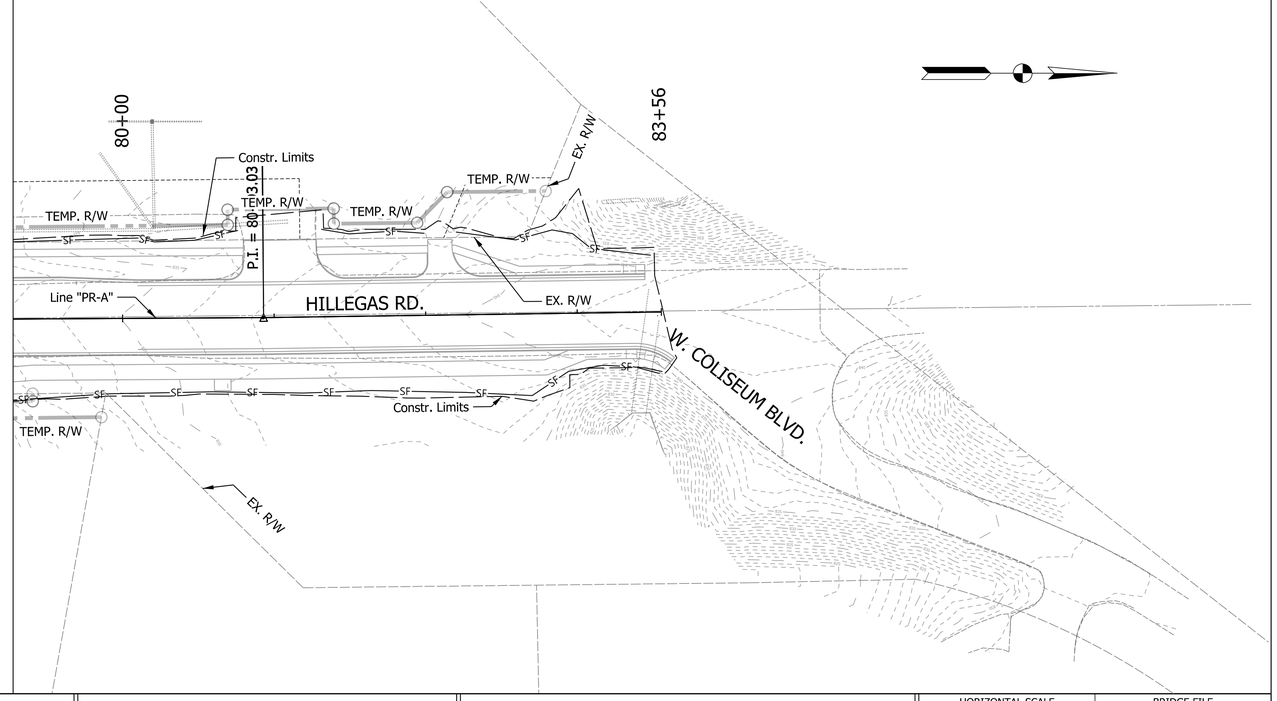
SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	80 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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LEGEND

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

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

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DESIGNED: DLH | DRAWN: KTH

CHECKED: JAS | CHECKED: JAS/DLH

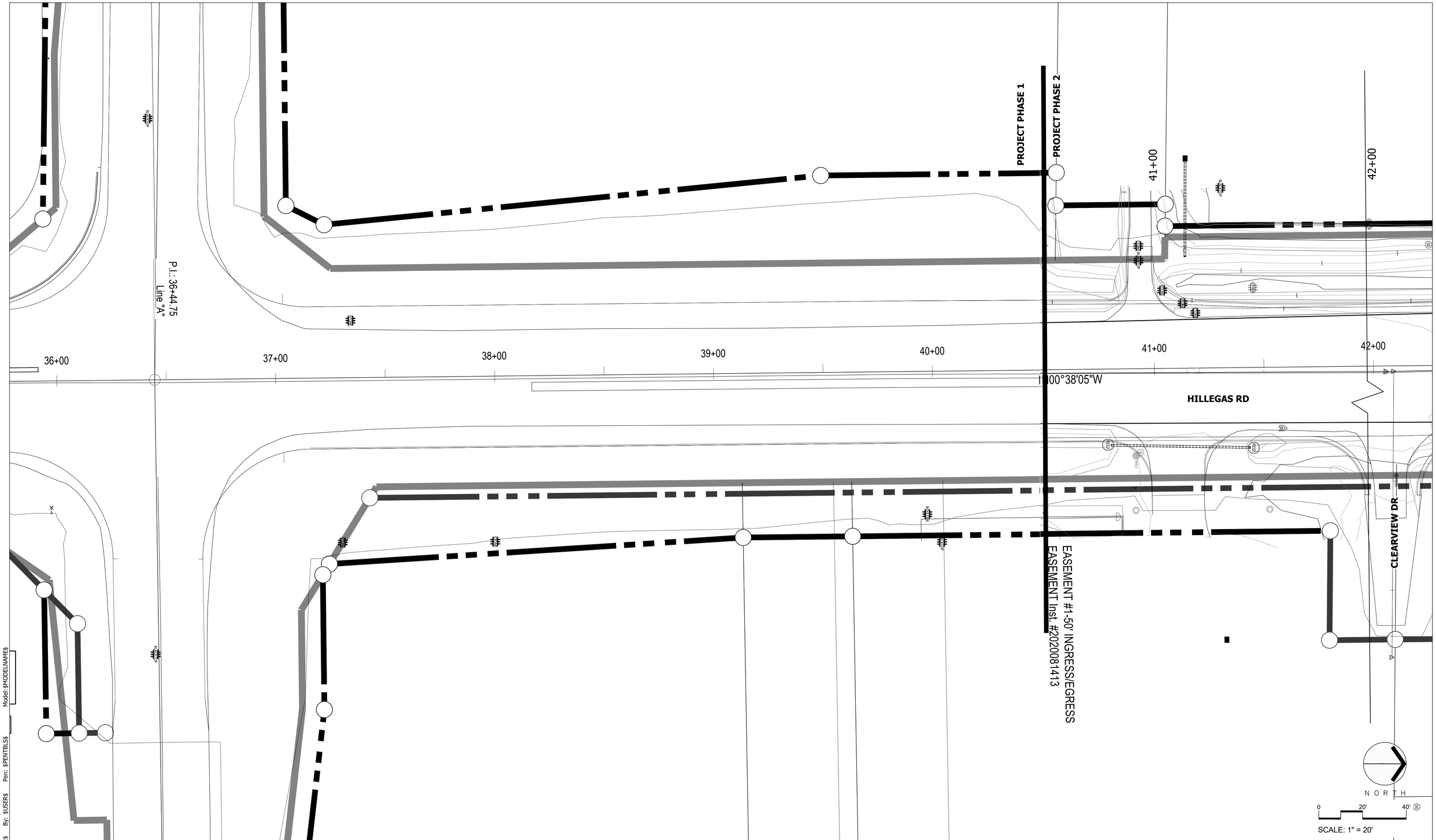
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INDIANA

TEMPORARY EROSION CONTROL

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	81 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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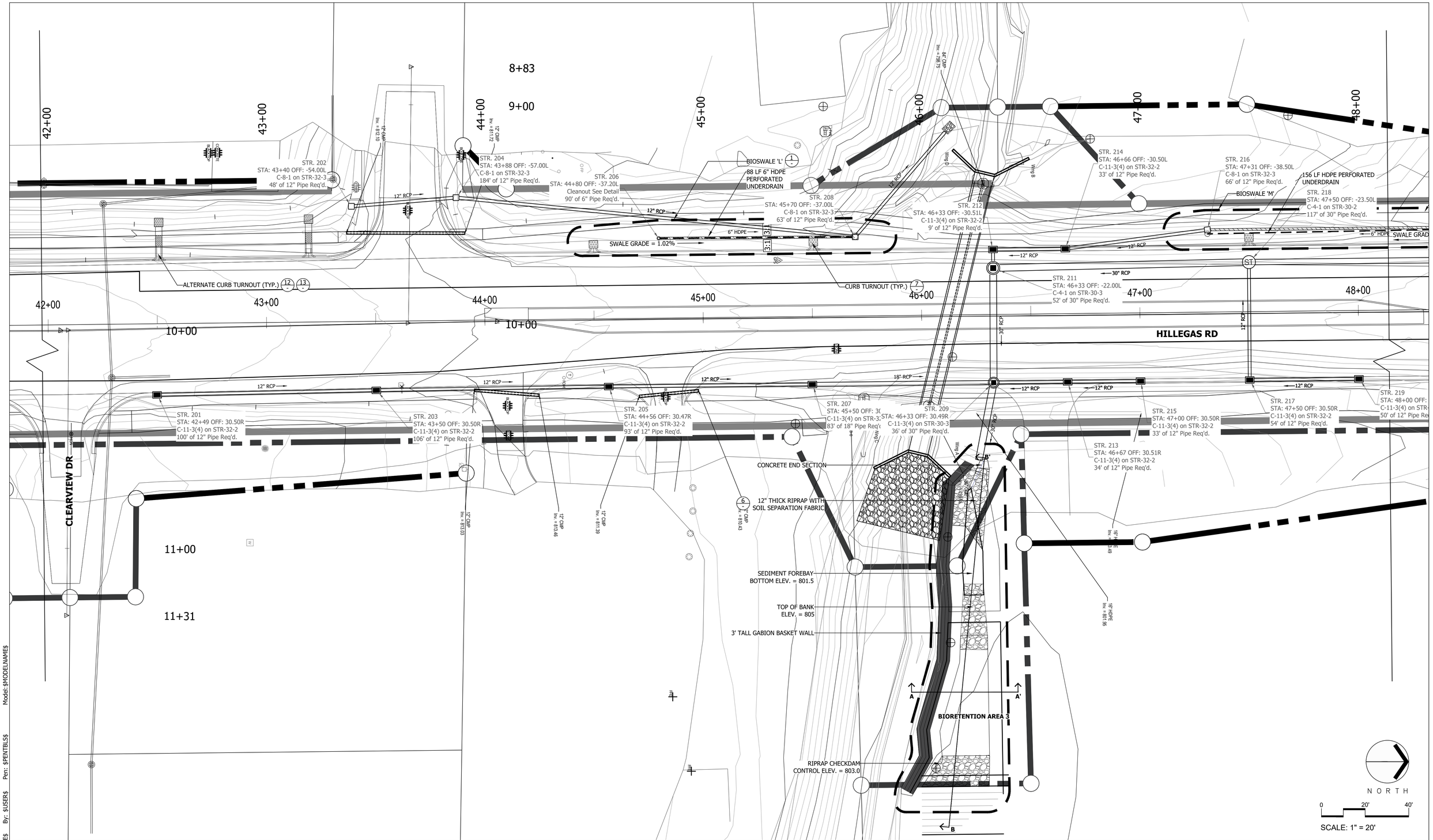
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DESIGN ENGINEER DATE

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CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE PLAN

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



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GREEN INFRASTRUCTURE PLAN

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

48+00
49+00
50+00
51+00
52+00
53+00
54+00

LF HDPE PERFORATED
ERDRAIN
R. 218
A: 47+50 OFF: -23.50L
4-1 on STR-30-2
7' of 30" Pipe Req'd.

BIOSWALE 'M' 2/-

6" HDPE SWALE GRADE = 1.03%

3:1
3:1

STR. 221
STA: 48+90 OFF: -38.50L
Cleanout See Detail
158' of 6" Pipe Req'd.

24" RCP

CURB TURNOUT (TYP.) 7/-

STR. 224
STA: 50+20 OFF: -30.50L
C-11-3(4) on STR-32-2
7' of 18" Pipe Req'd.

STR. 223
STA: 50+20 OFF: -23.50L
C-4-1 on STR-30-2
270' of 24" Pipe Req'd.

18" RCP

12" RCP

STR. 226
STA: 51+00 OFF: -40.58L
C-8-1 on STR-32-3
81' of 12" Pipe Req'd.

24" RCP

CURB TURNOUT (TYP.) 7/-

STR. 229
STA: 52+00 OFF: -23.49L
C-4-1 on STR-30-2
180' of 24" Pipe Req'd.

12" RCP

STR. 231
STA: 53+00 OFF: -30.51L
C-11-3(4) on STR-32-2
93' of 12" Pipe Req'd.

24" RCP

STR. 232
STA: 53+94 OFF: -30.54L
C-11-3(4) on STR-32-2
9' of 18" Pipe Req'd.

12" RCP

STR. 234
STA: 54+00 OFF: -23.51L
C-4-1 on STR-30-2
200' of 24" Pipe Req'd.

12" RCP

STA: 54+50 (
C-11-3(4)
43' of 12"

STR. 233
STA: 54+
C-11-3(4
54' of 12"

STR. 235
STA: 54+02
C-8-1 on ST
29' of 12" P

12" CMP
Inv. = 812.91

12" CMP
Inv. = 814.40

12" CMP
Inv. = 816.57

12" CMP
Inv. = 816.64

12" HDPE
Inv. = 809.10

12" CMP
Inv. = 810.21

12" CMP
Inv. = 810.96

HILLEGAS RD

STR. 219
STA: 48+00 OFF: 30.49R
C-11-3(4) on STR-32-2
50' of 12" Pipe Req'd.

STR. 222
STA: 49+72 OFF: 30.49R
C-11-3(4) on STR-32-2
48' of 12" Pipe Req'd.

STR. 225
STA: 50+20 OFF: 30.50R
C-11-3(4) on STR-32-2
54' of 18" Pipe Req'd.

STR. 228
STA: 51+99 OFF: 30.50R
C-11-3(4) on STR-32-2
54' of 12" Pipe Req'd.

20' UTILITY EASEMENT

20' UTILITY EA

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
	1901705 & 2500056
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:$PLOT_DATE$ $PLOT_TIME$ By: $USER$ Pen: $PENTBL$ Model:$MODELNAME$
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55+00
56+00
57+00
58+00
59+00
60+00
10+00
11+00
11+48
N00°38'05"W
HILLEGAS RD
INDEPENDENCE DR
15' EASEMENT
10' NON-ACCESS EASEMENT
BIOSWALE 'N'
SWALE GRADE = 0.51%
ALTERNATE CURB TURNOUT W/ TRENCH DRAIN (TYP.)
132 LF 6" HDPE PERFORATED UNDERDRAIN
STR. 233
STA: 54+00 OFF: 30.50R
C-11-3(4) on STR-32-2
54' of 12" Pipe Req'd.
STR. 235
STA: 54+02 OFF: 59.00R
C-8-1 on STR-32-3
29' of 12" Pipe Req'd.
STR. 236
STA: 54+50 OFF: -30.53L
C-11-3(4) on STR-32-2
43' of 12" Pipe Req'd.
STR. 237
STA: 54+93 OFF: -30.56L
C-11-3(4) on STR-32-2
10' of 12" Pipe Req'd.
STR. 238
STA: 55+00 OFF: -23.50L
C-4-1 on STR-30-2
100' of 24" Pipe Req'd.
STR. 239
STA: 56+00 OFF: 57.00R
C-8-1 on STR-32-3
81' of 18" Pipe Req'd.
STR. 241
STA: 56+00 OFF: -23.50L
C-4-1 on STR-30-2
100' of 24" Pipe Req'd.
STR. 242
STA: 56+10 OFF: -30.50L
C-11-3(4) on STR-32-2
12' of 18" Pipe Req'd.
STR. 243
STA: 57+01 OFF: -30.53L
C-11-3(4) on STR-32-2
91' of 12" Pipe Req'd.
STR. 245
STA: 57+65 OFF: -48.01L
C-8-1 on STR-32-3
25' of 18" Pipe Req'd.
STR. 244
STA: 57+65 OFF: -23.50L
C-4-1 on STR-30-2
165' of 18" Pipe Req'd.
STR. 246
STA: 59+00 OFF: -23.50L
C-4-1 on STR-30-2
135' of 18" Pipe Req'd.
STR. 247
STA: 59+25 OFF: -38.77L
C-8-1 on STR-32-3
29' of 12" Pipe Req'd.
STR. 240
STA: 58+01 OFF: 58.52R
C-8-1 on STR-32-3
Inv. 15", 818.50
12" RCP
18" RCP
24" RCP
15" CMP Inv. = 820.00
15" CMP Inv. = 820.26
15" CMP Inv. = 820.96
15" CMP Inv. = 818.83
15" HDPE Inv. = 819.62
15" HDPE Inv. = 817.96
15" CMP Inv. = 813.48
3:1
N O R T H
0 20' 40'
SCALE: 1" = 20'

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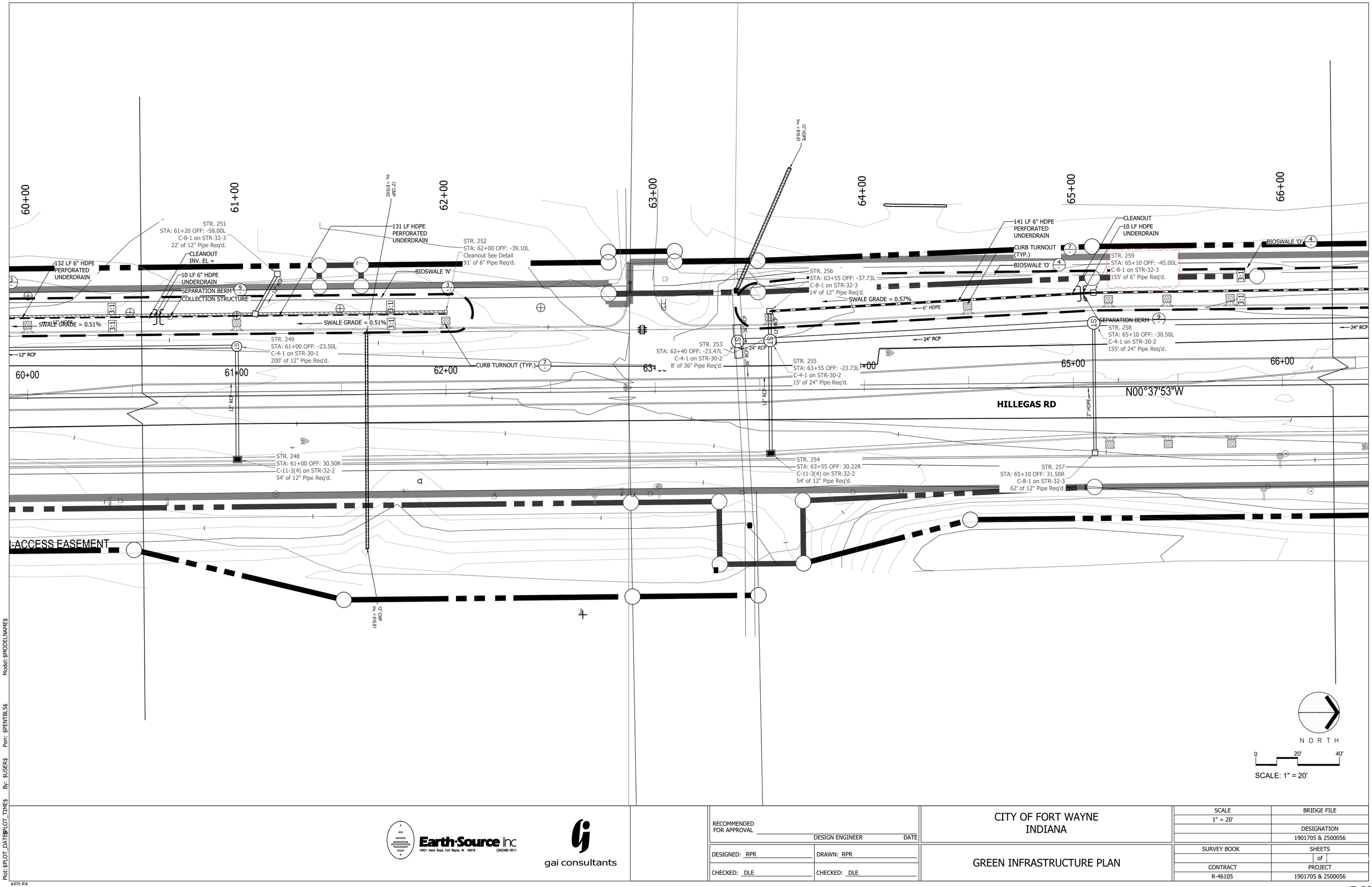
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GREEN INFRASTRUCTURE PLAN

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

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$FILE$

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GREEN INFRASTRUCTURE PLAN

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1" = 20'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-46105	1901705 & 2500056

66+00
67+00
68+00
69+00
70+00
71+00
72+00
8+55
9+00
10+00
11+00
12+00

BIOSWALE 'O'
170 LF 6" HDPE PERFORATED UNDERDRAIN
CLEANOUT
10 LF HDPE UNDERDRAIN
COLLECTION STRUCTURE
CURB TURNOUT (TYP.)
SEPARATION BERM (TYP.)
6" HDPE
SWALE GRADE = 0.57%
24" RCP
STR. 262
STA: 67+64 OFF: -30.50L
C-4-1 on STR-30-2
254' of 24" Pipe Req'd.
STR. 264
STA: 68+50 OFF: -46.05L
Cleanout See Detail
175' of 6" Pipe Req'd.
340' of 6" Pipe Req'd.
STR. 266
STA: 69+25 OFF: -30.29L
C-4-1 on STR-30-2
161' of 24" Pipe Req'd.
335 LF 6" HDPE PERFORATED UNDERDRAIN
SWALE GRADE = 1.10%
STR. 265
STA: 69+25 OFF: 31.50R
C-8-1 on STR-32-3
62' of 12" Pipe Req'd.
STR. 268
STA: 70+25 OFF: -45.50L
C-8-1 on STR-32-3
16' of 12" Pipe Req'd.
STR. 269
STA: 70+55 OFF: -51.73L
C-11-3(4) on STR-32-2
37' of 12" Pipe Req'd.
STR. 271
STA: 70+64 OFF: -70.15L
C-11-3(4) on STR-32-2
21' of 12" Pipe Req'd.
STR. 267
STA: 70+25 OFF: -29.57L
C-4-1 on STR-30-2
100' of 24" Pipe Req'd.
STR. 272
STA: 71+08 OFF: -64.13L
C-11-3(4) on STR-32-2
45' of 12" Pipe Req'd.
STR. 273
STA: 71+47 OFF: -45.50L
Cleanout See Detail
157' of 6" Pipe Req'd.
CONCEPT PROJECT
HILLEGAS RD
KRAFT PKWY
20" STORM
42" RCP
54" RCP
12" RCP
NORTH
0 20' 40'
SCALE: 1" = 20'

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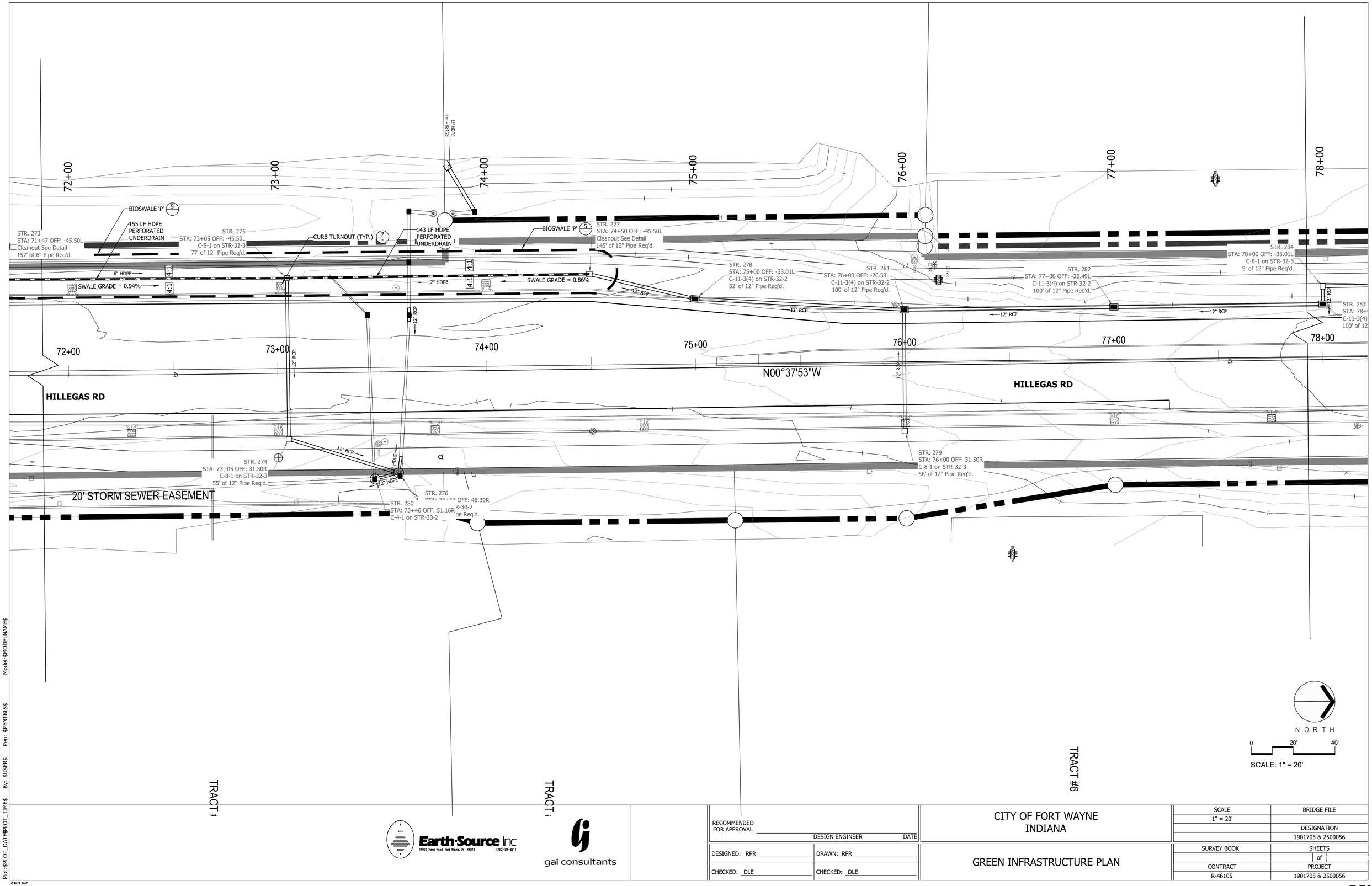
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CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE PLAN

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

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GREEN INFRASTRUCTURE PLAN

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

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

PROJECT PHASE 1

PROJECT PHASE 2

P.I.: 36+44.75
Line "A"

36+00

37+00

38+00

39+00

40+00

41+00

42+00

Inv = 817.09
8" PVC

00°38'05"W

HILLEGAS RD

CLEARVIEW DR

EASEMENT #1-50' INGRESS/EGR
EASEMENT Inst. #2020081413

50' INGRESS / EGRESS
& GUY WIRE EASEMENT
Inst. #2020081413

50'

LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Riprap W/Soil Separation Fabric

NORTH

0 20' 40'

SCALE: 1" = 20'

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DESIGN ENGINEER DATE

DESIGNED: RPR DRAWN: RPR

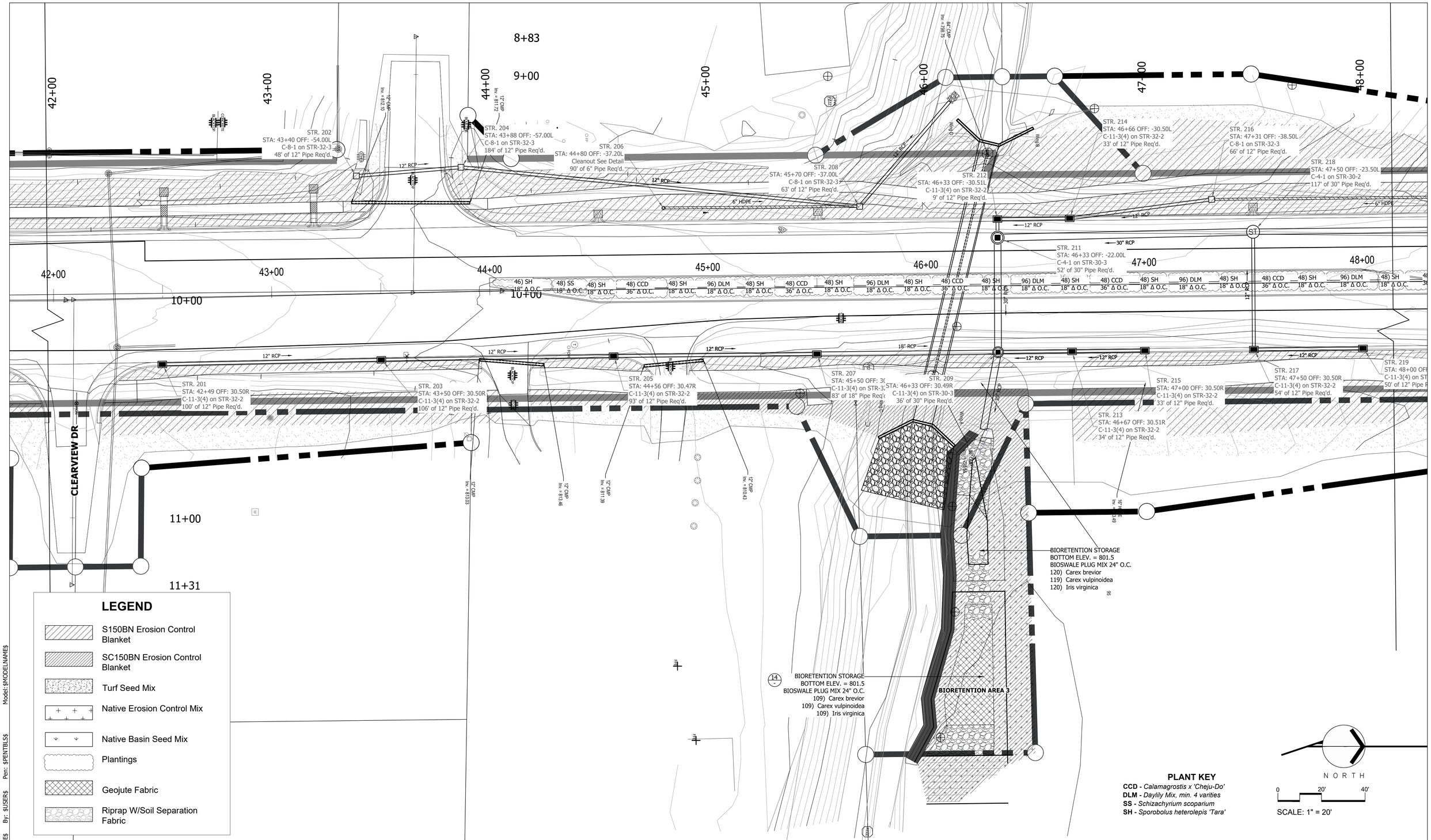
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CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

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

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



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

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

gai consultants

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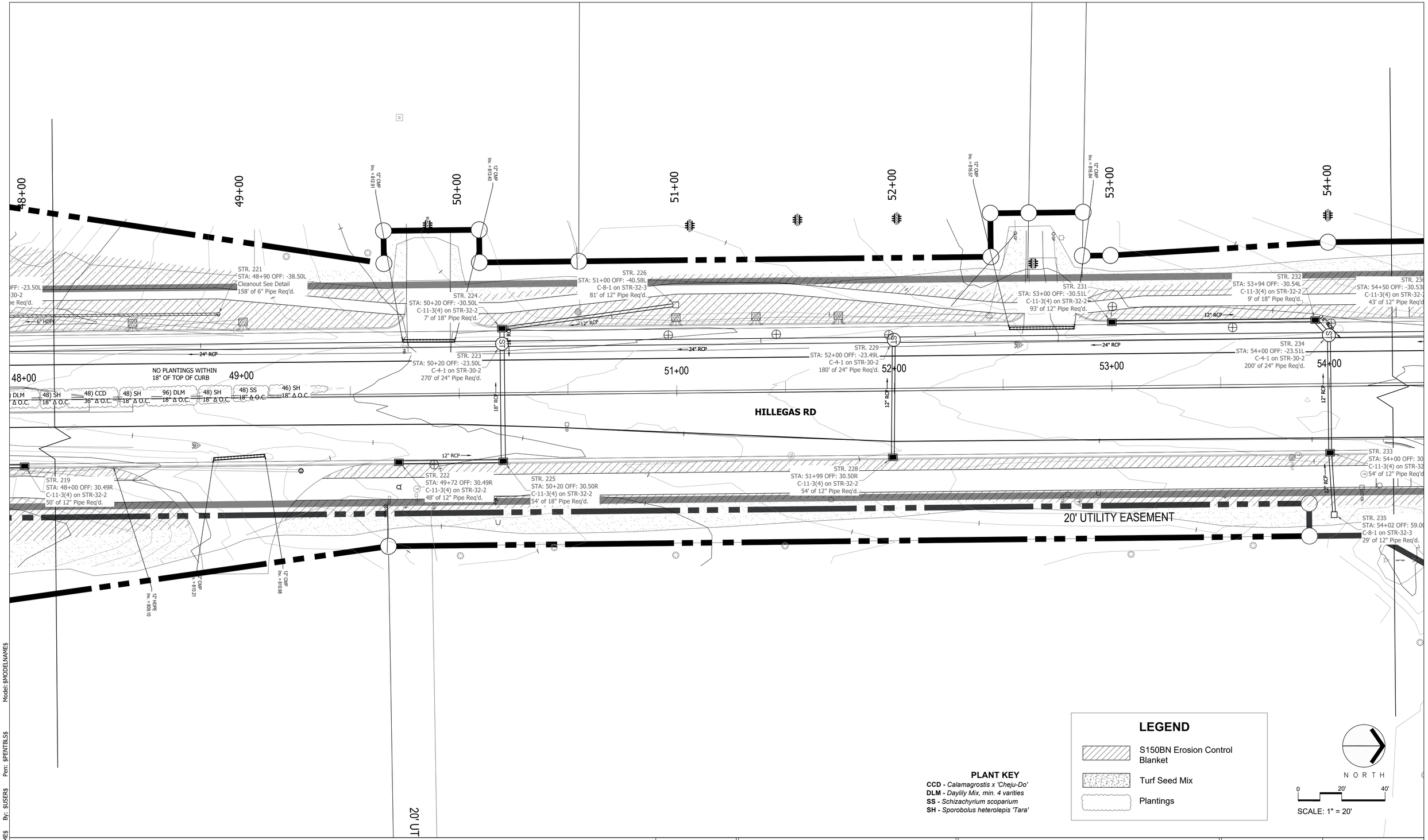
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CHECKED: DLE CHECKED: DLE

CITY OF FORT WAYNE
INDIANA

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PLANT KEY

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

LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Plantings

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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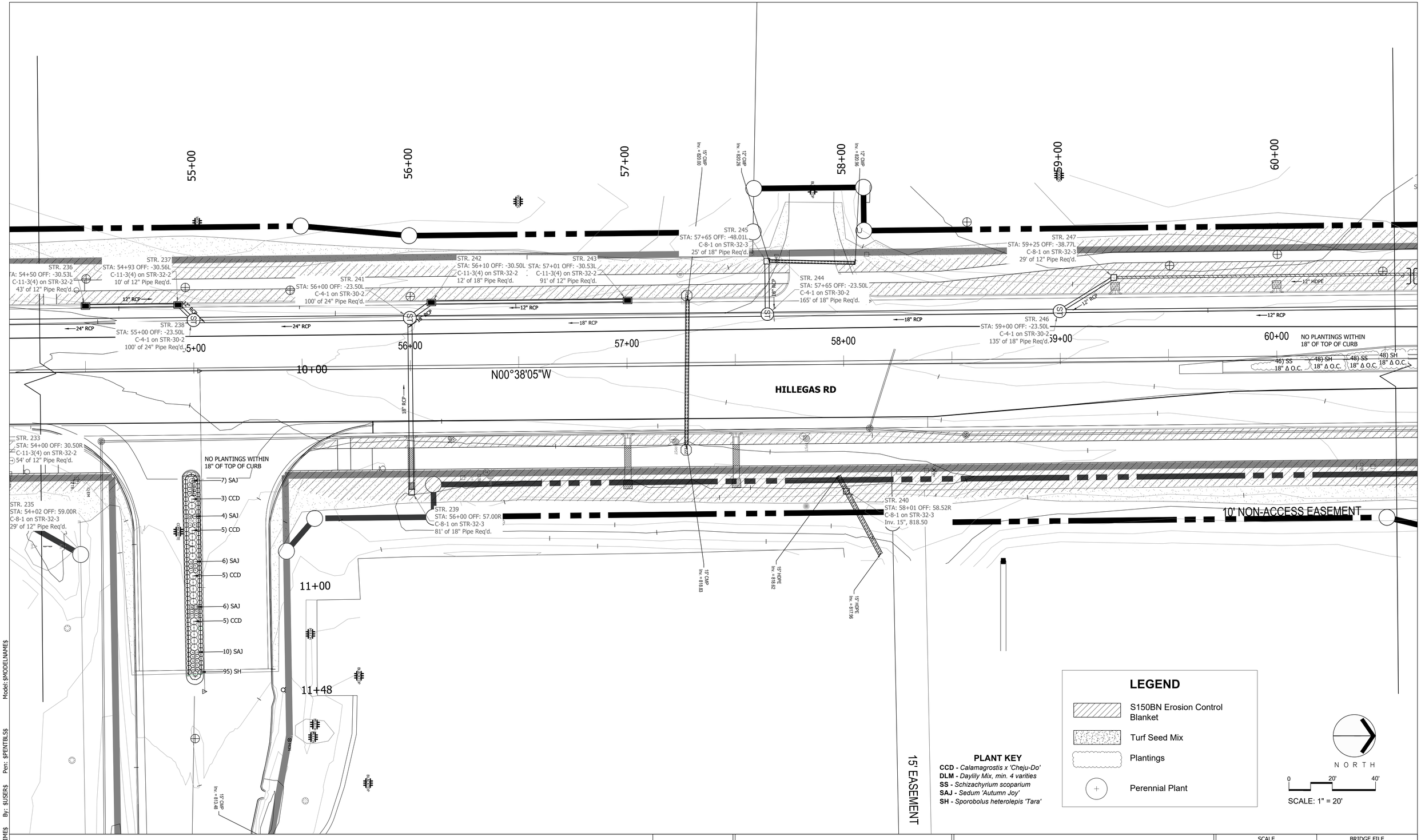
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CITY OF FORT WAYNE
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PLANT KEY

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

LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Plantings
- Perennial Plant

N O R T H

0 20' 40'

SCALE: 1" = 20'

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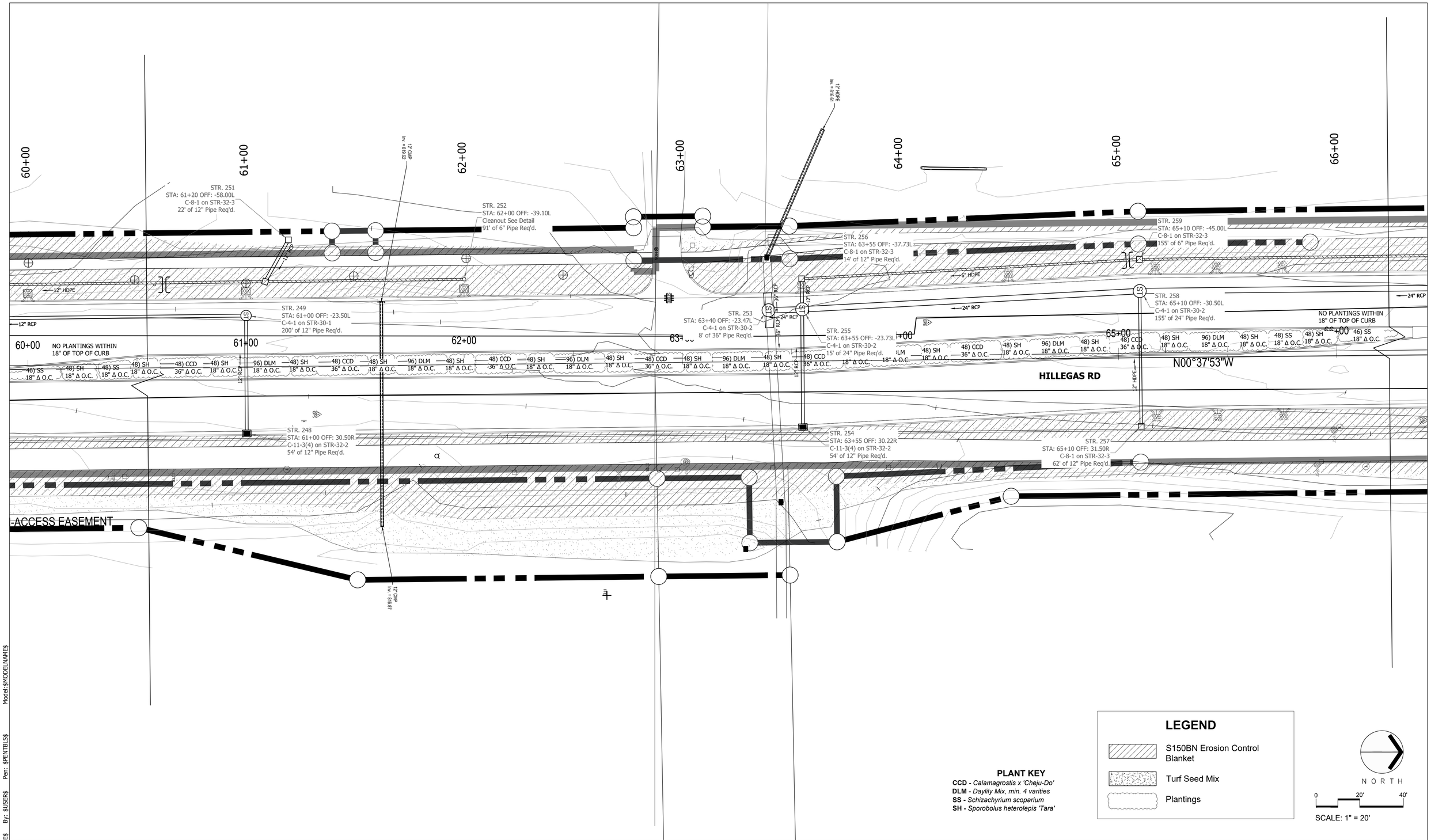
CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

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



PLANT KEY

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

LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Plantings

NORTH

0 20' 40'

SCALE: 1" = 20'

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

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CITY OF FORT WAYNE
INDIANA

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CONTRACT	PROJECT
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66+00
67+00
68+00
69+00
70+00
71+00
72+00
8+55
9+00
10+00
11+00

STR. 264
STA: 68+50 OFF: -46.05L
Cleanout See Detail
175' of 6" Pipe Req'd.
340' of 6" Pipe Req'd.

STR. 266
STA: 69+25 OFF: -30.29L
C-4-1 on STR-30-2
161' of 24" Pipe Req'd.

STR. 268
STA: 70+25 OFF: -45.50L
C-8-1 on STR-32-3
16' of 12" Pipe Req'd.

STR. 269
STA: 70+55 OFF: -51.73L
C-11-3(4) on STR-32-2
37' of 12" Pipe Req'd.

STR. 271
STA: 70+64 OFF: -70.15L
C-11-3(4) on STR-32-2
21' of 12" Pipe Req'd.

STR. 272
STA: 71+08 OFF: -64.13L
C-11-3(4) on STR-32-2
45' of 12" Pipe Req'd.

STR. 273
STA: 71+47 OFF: -45.50L
Cleanout See Detail
157' of 6" Pipe Req'd.

STR. 262
STA: 67+64 OFF: -30.50L
C-4-1 on STR-30-2
254' of 24" Pipe Req'd.

STR. 267
STA: 70+25 OFF: -29.57L
C-4-1 on STR-30-2
100' of 24" Pipe Req'd.

STR. 265
STA: 69+25 OFF: 31.50R
C-8-1 on STR-32-3
62' of 12" Pipe Req'd.

6" HDPE
24" RCP
12" RCP
18" RCP
Inv. = 821.73
Inv. = 821.97
NO PLANTINGS WITHIN 18" OF TOP OF CURB
46) SS 18" Δ O.C.
SH 18" Δ O.C.
HILLEGAS RD
20' STORM SEWE

PLANT KEY
SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

LEGEND
- S150BN Erosion Control Blanket
- Turf Seed Mix
- Plantings

NORTH
0 20' 40'
SCALE: 1" = 20'

TRAC

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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: RPR
DRAWN: RPR
CHECKED: DLE
CHECKED: DLE

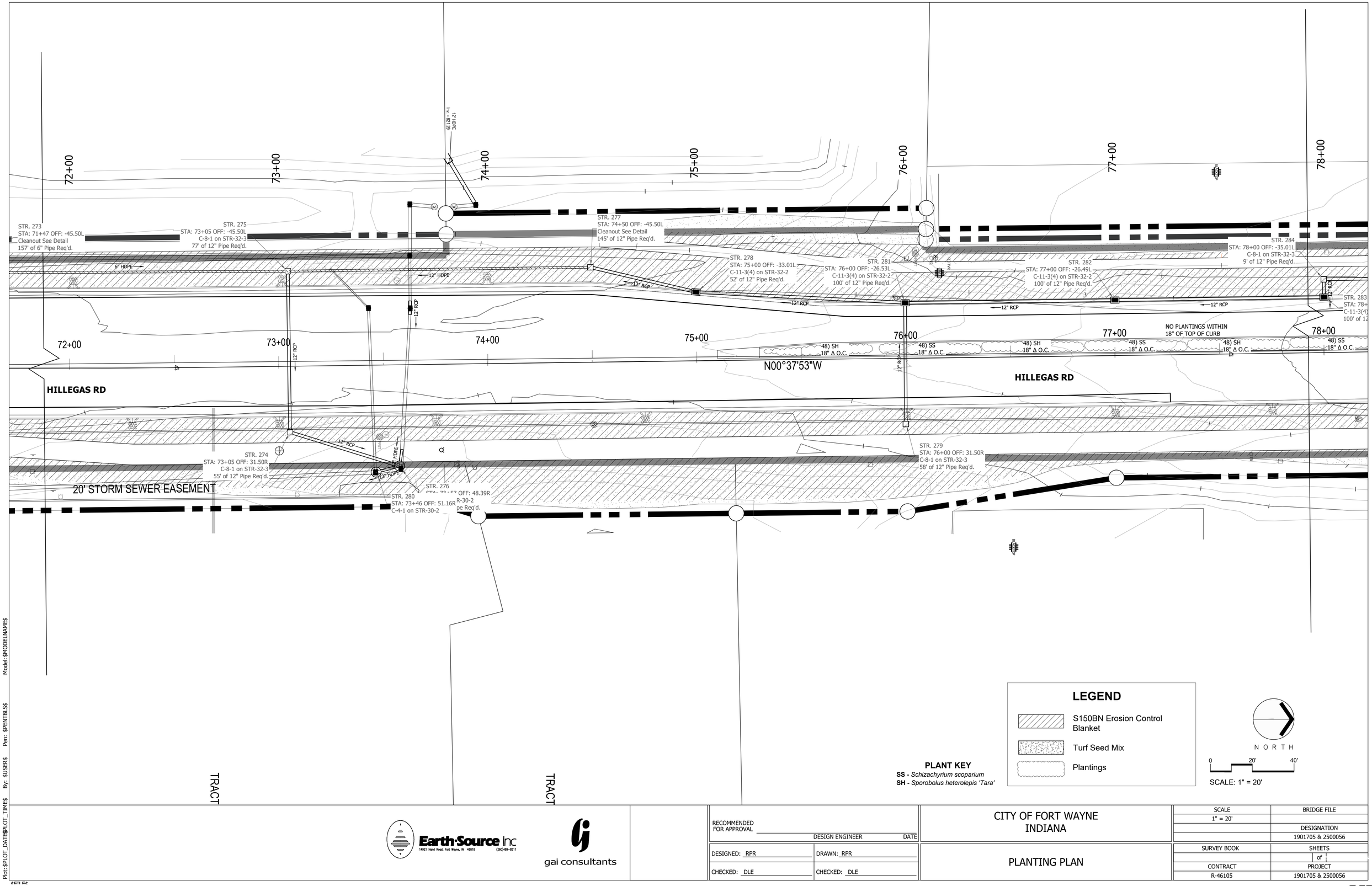
CITY OF FORT WAYNE
INDIANA

PLANTING PLAN

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1" = 20'	
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SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-46105	1901705 & 2500056

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



LEGEND

- S150BN Erosion Control Blanket
- Turf Seed Mix
- Plantings

PLANT KEY

SS - *Schizachyrium scoparium*
SH - *Sporobolus heterolepis 'Tara'*

N O R T H

0 20' 40'

SCALE: 1" = 20'

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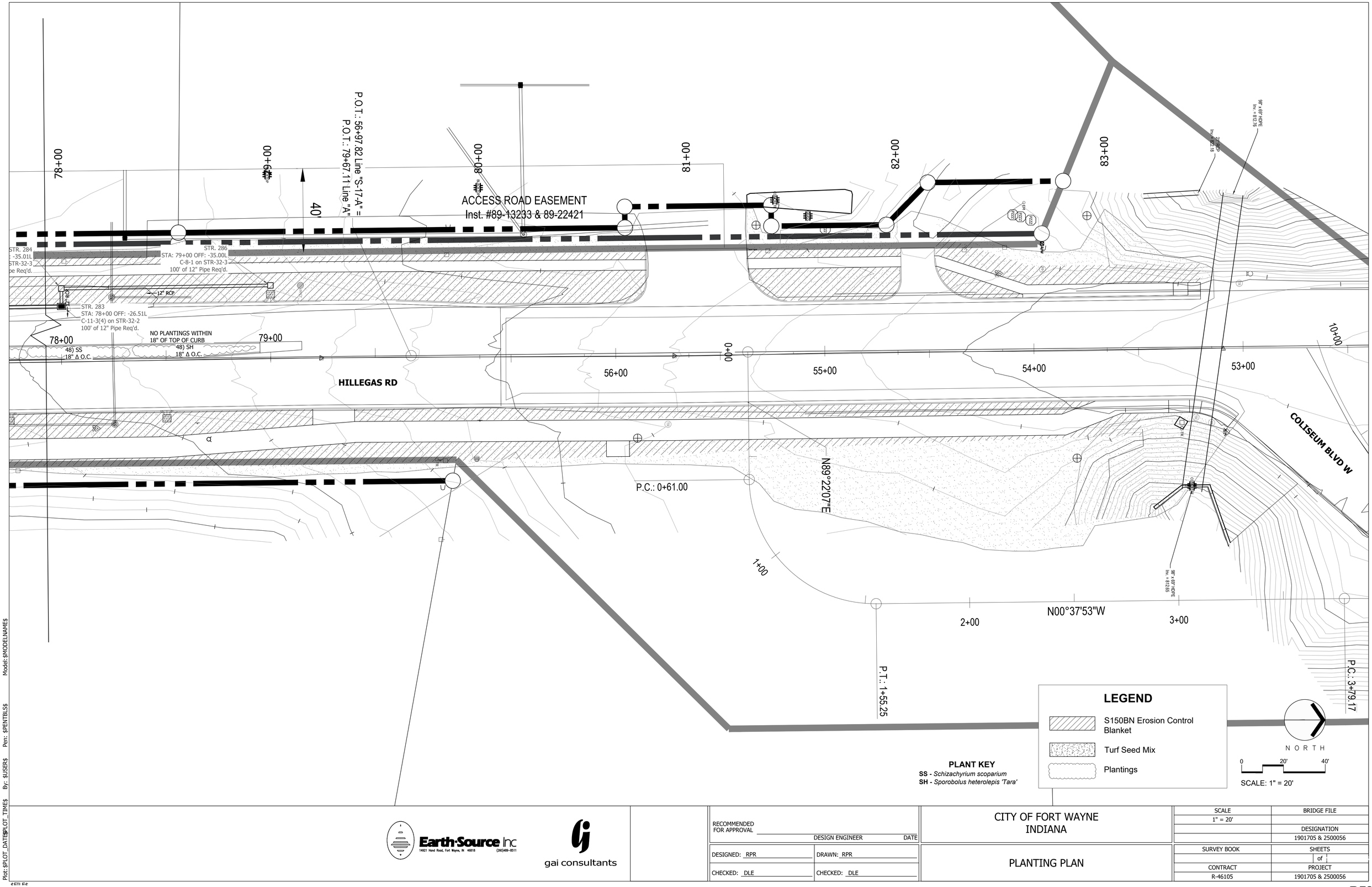
CITY OF FORT WAYNE
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PLANTING PLAN

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



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

eFILE

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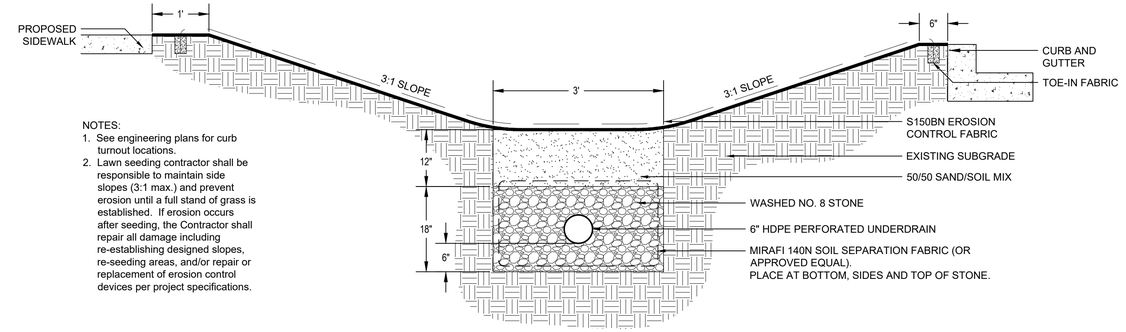
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CITY OF FORT WAYNE
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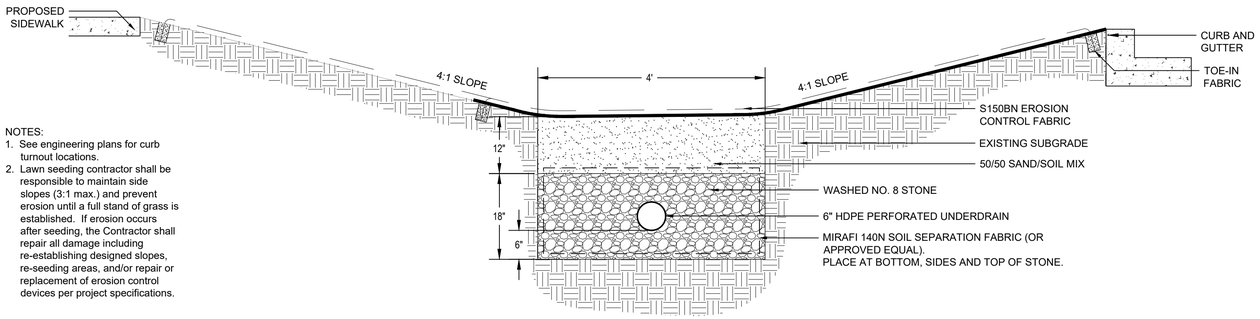


NOTES:
1. See engineering plans for curb turnout locations.
2. Lawn seeding contractor shall be responsible to maintain side slopes (3:1 max.) and prevent erosion until a full stand of grass is established. If erosion occurs after seeding, the Contractor shall repair all damage including re-establishing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

CHANNEL SECTION

3 BIOSWALE 'N' DETAIL

Scale: 3/4" = 1'

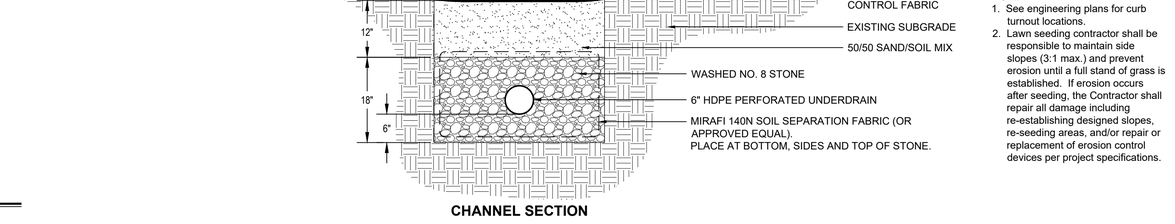


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CHANNEL SECTION

5 BIOSWALE 'P' DETAIL

Scale: 3/4" = 1'

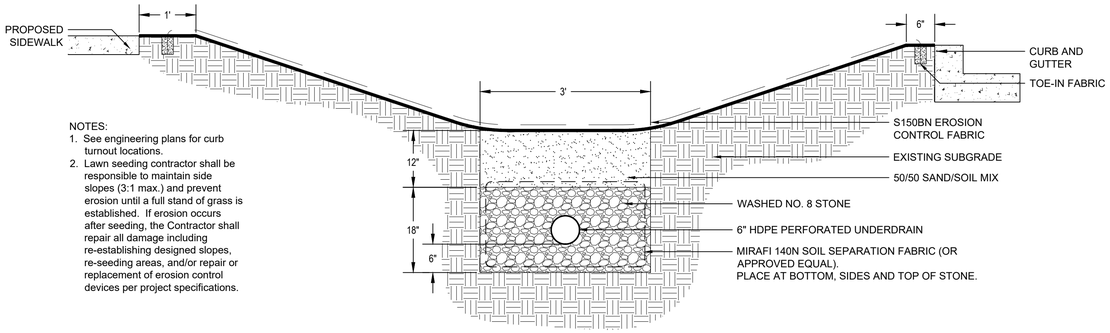


NOTES:
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CHANNEL SECTION

2 BIOSWALE 'M' DETAIL

Scale: 3/4" = 1'

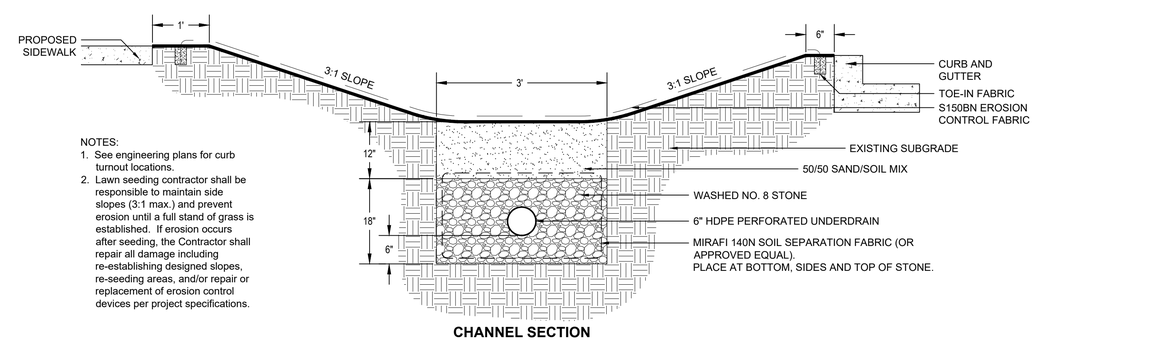


NOTES:
1. See engineering plans for curb turnout locations.
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CHANNEL SECTION

4 BIOSWALE 'O' DETAIL

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 'L' DETAIL

Scale: 3/4" = 1'

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CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2500056

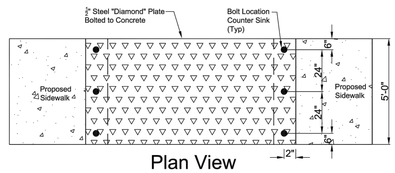
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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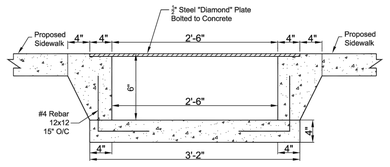
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TRANSPORTATION ENGINEERING STANDARD DETAILS

SIDEWALK TRENCH



Plan View



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

DATE: 9/2/20	NOT TO SCALE	APPROVED BY: P.Z	SHEET NO: SIDEWALKS 3

12 WALKWAY TRENCH DETAIL

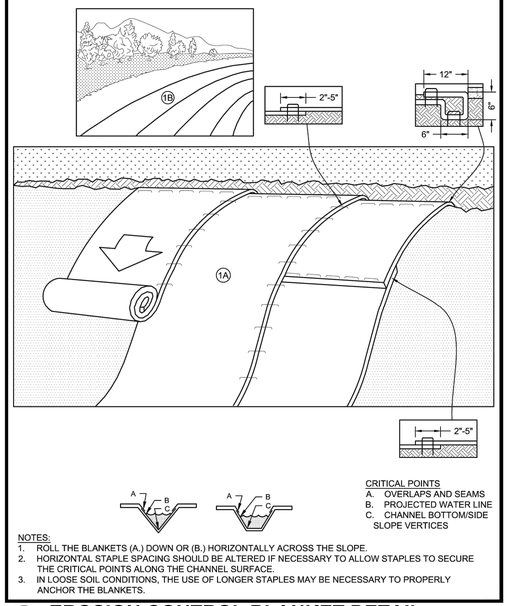
Not to Scale

City Utilities Design Standards Manual

EROSION CONTROL BLANKETS SLOPE

Created: January 31, 2012 Revised: January 19, 2017

Scale: N.T.S.

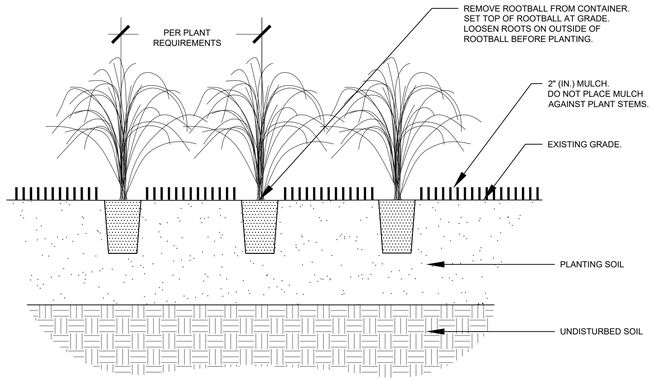


CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTES:
1. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
2. HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
3. IN LOOSE SOIL CONDITIONS, THE USE OF LONGER STAPLES MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

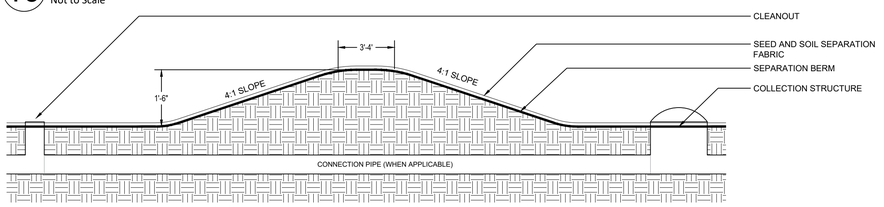
11 EROSION CONTROL BLANKET DETAIL

Not to Scale



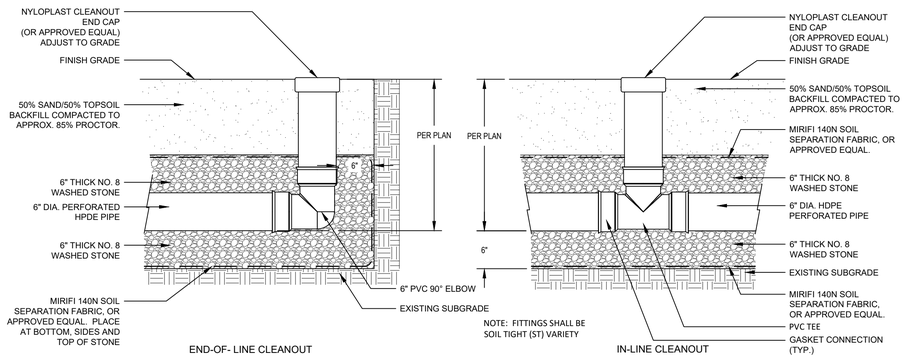
10 PERENNIAL PLANTING DETAIL

Not to Scale



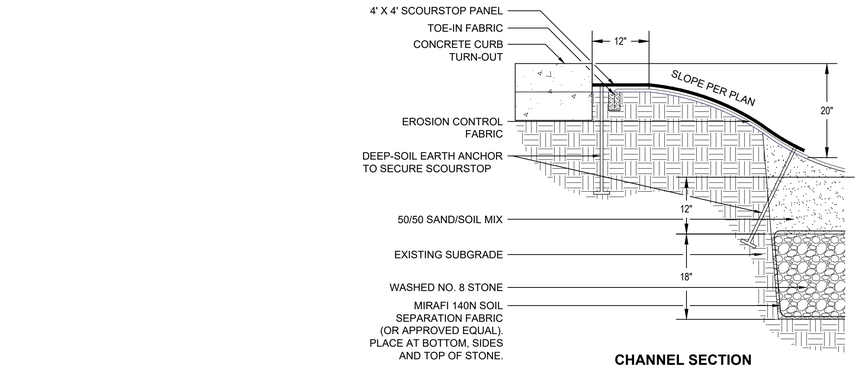
9 SEPARATION BERM DETAIL

Not to Scale

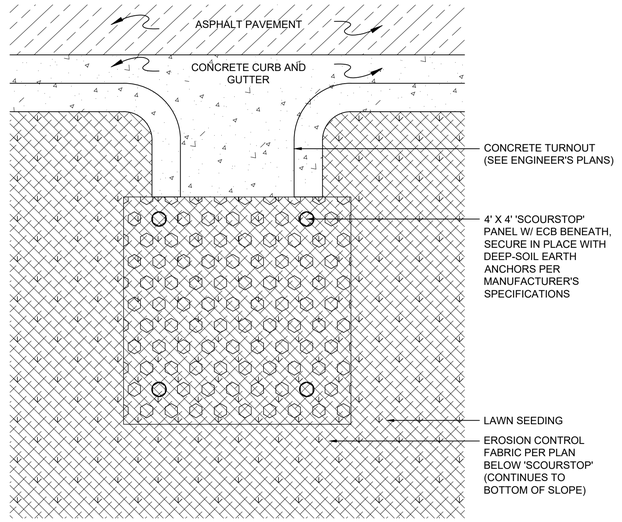


8 CLEANOUT DETAIL

Scale: 1" = 1'



CHANNEL SECTION

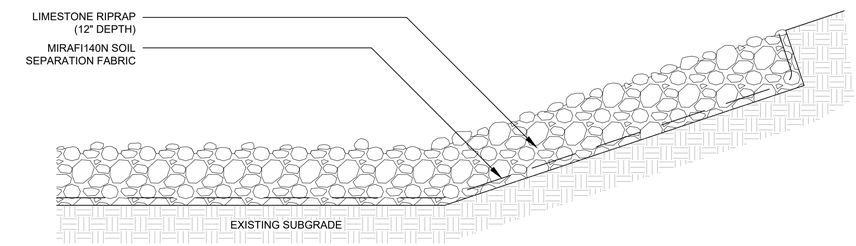


PLAN VIEW

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.

7 CURB TURNOUT DETAIL

Scale: 3/4" = 1'



6 Limestone Riprap Stabilization Detail

Scale: 1/2" = 1'

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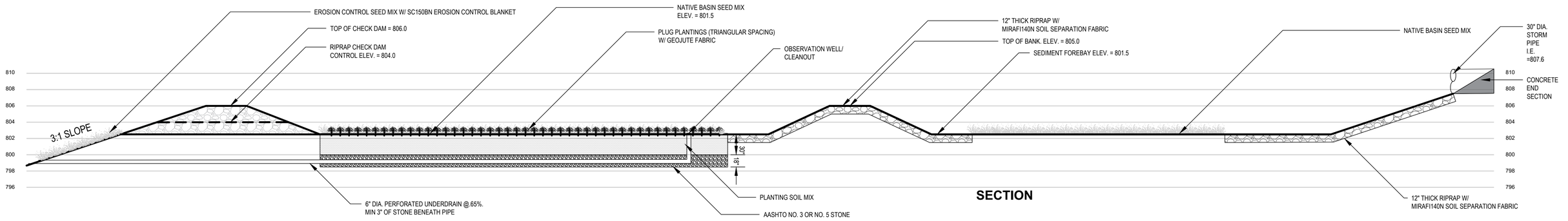
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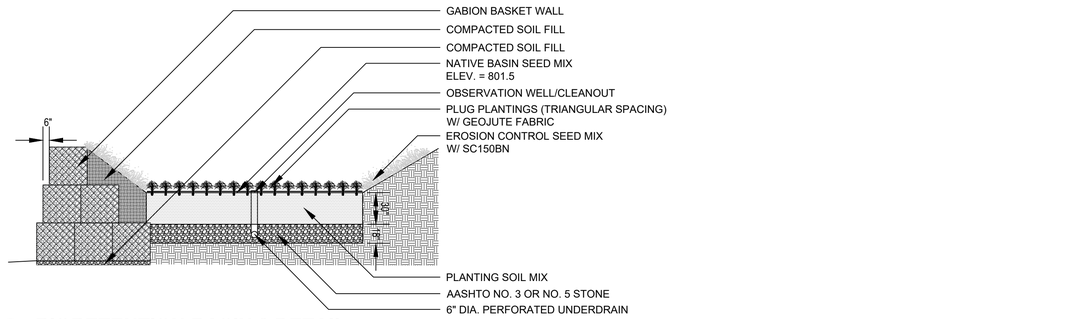
GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
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SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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



SECTION



14 BIORETENTION BASIN 3 DETAIL

Scale: 1" = 6'

PLANT LIST						
QTY.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT	SPACING
PERENNIALS						
CCD	642	*Calamagrostis x 'Cheju-Do'*	Dwarf Feather Reed Grass	1 Gal.	Cont.	36" Δ O.C.
SS	428	*Schizachyrium scoparium*	Little Bluestem	1 Gal.	Cont.	18" Δ O.C.
SAJ	33	*Sedum 'Autumn Joy'*	Autumn Joy Sedum	1 Gal.	Cont.	18" Δ O.C.
SH	1819	*Sporobolus heterolipis 'Tara'*	Tara Prairie Dropseed	1 Gal.	Cont.	18" Δ O.C.
BULBS						
DLM	1,248	*Hemerocallis 'Apricot Sprinkles'*	Apricot Sprinkles Daylily		Bulb	18" Δ O.C.
		Hemerocallis 'Mauna Loa'	Mauna Loa Daylily		Bulb	
		Hemerocallis 'Purple de Oro'	Purple de Oro Daylily		Bulb	
		Hemerocallis 'Stella de Oro'	Stella de Oro Daylily		Bulb	
		Hemerocallis 'Strawberry Candy'	Strawberry Candy Daylily		Bulb	

Note:
* Minimum of four Daylily varieties are required
* All quantities are provided for contractor convenience. Contractor is responsible for verification of quantities prior to bidding.

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

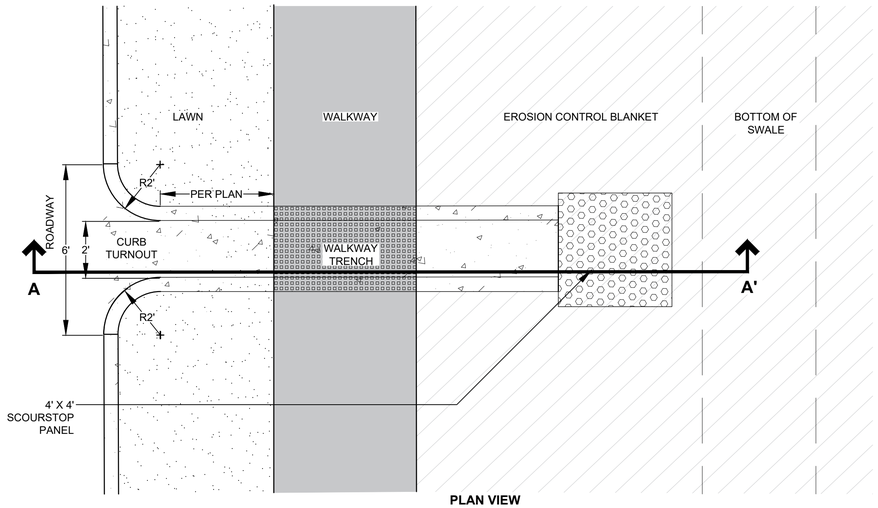
Scientific Name	Common Name	Seed %
Carex lurida	Shallow Sedge	0.32%
Carex stipata	Stalk Grain Sedge	0.82%
Carex tribuloides	Blunt Broom Sedge	2.78%
Carex vulpinoidea	Fox Sedge	5.30%
Eleocharis palustris	Creeping Spike Rush	13.60%
Elymus virginicus	Virginia Wild Rye	1.63%
Juncus torreyi	Torrey's Rush	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

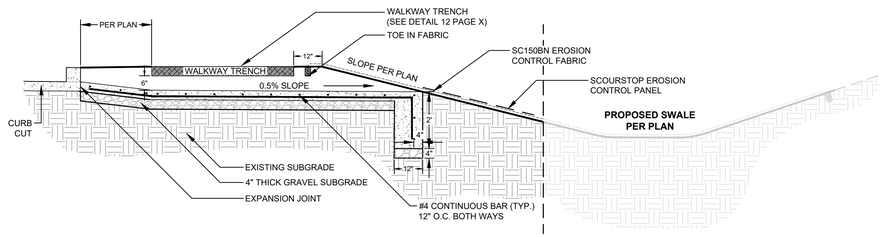
Scientific Name	Common Name	Seed %
Alisma subcordatum	Subcordate Water Plantain	20.74%
Asclepias incarnata	Swamp Milkweed	0.16%
Bidens cernua	Nodding Beggar-Ticks	1.27%
Eupatorium perfoliatum	Common Boneset	2.17%
Helenium autumnale	Common Sneezeweed	4.33%
Hibiscus moscheutos	Marsh Rose Mallow	0.37%
Ludwigia 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%**



PLAN VIEW



SECTION A-A'

13 TYPICAL ALTERNATIVE CONCRETE CURB TURNOUT WITH TRENCH DRAIN DETAIL

Scale: 3/8" = 1'

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%**

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

gai consultants

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: RPR DRAWN: RPR

CHECKED: DLE CHECKED: DLE

CITY OF FORT WAYNE
INDIANA

GREEN INFRASTRUCTURE DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	of
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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

eETLEe

TEMPORARY EROSION CONTROL TABLE

LOCATION						TEMPORARY SLOPE DRAIN	TEMPORARY FILTER BERM	TEMPORARY SILT FENCE	TEMPORARY INLET PROTECTION, FILTER SOCK	TEMPORARY INLET PROTECTION, FILTER SOCK	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	
	40+50	40+98			X			48.00								
	41+25	41+92			X			67.00								
	42+33	44+00			X			167.00								
	44+18	44+75			X			57.00								
	44+90	45+67			X			85.00								
	46+74	48+76			X			202.00								
	49+19	54+60			X			541.00								
	55+44	56+08			X			64.00								
	58+50	64+00			X			550.00								
	67+00	70+58			X			358.00								
PR-A	71+34	83+55			X			1230.00								
								0.00								
	40+50	40+86	X					36.00								
	43+89	46+08	X					227.00								
	46+59	49+70	X					315.00								
	58+00	58+50	X					50.00								
	60+00	62+84	X					284.00								
	71+42	74+46	X					304.00								
	74+83	80+77	X					594.00								
	81+33	82+00	X					67.00								
	82+20	83+50	X					130.00								
TOTAL THIS SHEET								5376.00								

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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLH | DRAWN: KTH

CHECKED: JAS | CHECKED: JAS/DLH

CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	82 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Plot:7/10/2025 1:49:15 PM By: HessDL Pen: Transportation.tbl Model:Sheet 6

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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	53+00	X							1						
	53+00			X					1						
	53+50	X							1						
	54+01	X						1	1						
	54+00			X					1						
	54+02			X				1							
	54+50	X							1						
	55+00	X						1	1						
	56+00			X					1						
	56+01			X				1							
	56+03	X							1						
	56+04	X						1							
	57+00			X					1						
	57+01	X							1						
	58+50	X						1	1						
	59+00			X					1						
	59+26	X							1						
	60+00	X						1	1						
	61+00	X							1						
	61+00			X					1						
	61+47	X						1							
	61+50	X						1							
	63+41	X						1							
	63+55	X						1	1						
	63+56			X					1						
	64+18	X							1						
	65+17	X							1						
	65+45	X						1	1						
	65+46			X					1						
	65+60	X							1						
	65+75	X							1						
	66+00			X					1						
	67+64			X				1							
	67+75	X						1							
	69+03	X							1						
	70+00			X					1						
	70+02	X						1	1						
	70+55	X							1						
	70+61	X							1						
	71+16	X							1						
	71+37	X						1							
	71+50			X					1						
	73+00			X					1						
	73+60			X					1						
	73+63	X							1						
	74+00			X					1						
	75+00	X							1						
	75+00			X					1						
	76+00	X							1						
	76+00			X					1						
	TOTAL THIS SHEET							16.00	41.00						

TEMPORARY EROSION CONTROL TABLE

LOCATION					TEMPORARY SLOPE DRAIN	TEMPORARY FILTER BERM	TEMPORARY SILT FENCE	TEMPORARY INLET PROTECTION, FILTER SOCK	TEMPORARY INLET PROTECTION, FILTER SOCK	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	
	42+49			X					1						
	43+40	X						1							
	43+50			X					1						
	43+88	X						1							
	44+56			X					1						
	45+50			X					1						
	45+70	X						1							
	46+33			X					1						
	46+33	X							1						
	46+67			X					1						
	46+66	X							1						
	47+00			X					1						
	47+31	X						1							
	47+50			X					1						
	48+00			X					1						
	49+72			X					1						
	50+20	X							1						
	50+20			X					1						
	51+00	X						1							
	51+99			X					1						
	53+00	X							1						
	53+94	X							1						
	54+00			X					1						
	54+02			X				1							
	54+50	X							1						
	54+93	X							1						
PR-A	56+00			X				1							
	58+01			X				1							
	56+10	X							1						
	57+01	X							1						
	57+65	X						1							
	59+25	X						1							
	61+00			X					1						
	61+20	X						1							
	63+40	X						1							
	63+50			X				1							
	63+55			X					1						
	63+55	X						1							
	65+10			X				1							
	69+25			X					1						
	70+25	X						1							
	70+55	X							1						
	70+64	X							1						
	71+08	X							1						
	73+05			X				1							
	73+05	X						1							
	74+50	X						1							
	75+00	X							1						
	76+00			X				1							
	76+00	X							1						
	77+00	X							1						
	78+00	X							1						
	78+00	X						1							
	79+00	X						1							
	TOTAL THIS SHEET							22.00	32.00						

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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH

CHECKED: JAS CHECKED: JAS/DLH

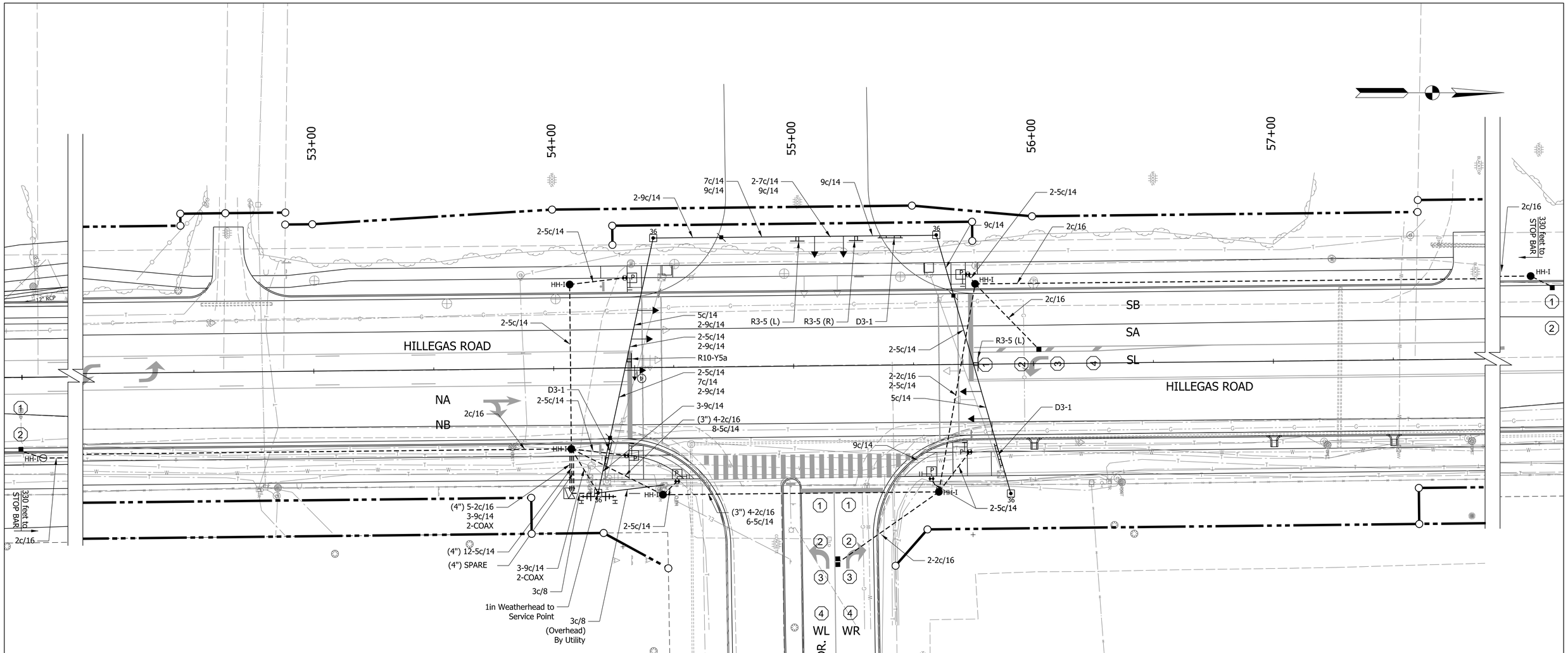
CITY OF FORT WAYNE
INDIANA

TEMPORARY EROSION CONTROL

SCALE	BRIDGE FILE
N/A	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	84 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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Z:\Infra\2019\D191224.00 - FTW Hillegas Rd Col to St\CAD\BCAD\Production Drawings\D191224.00 - Erosion Control - Project 2.dgn



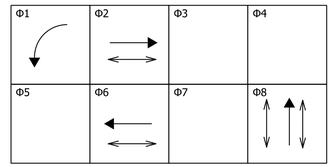
LEGEND

- 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
- 30 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	A	2	-	1				-NA2-1
	-	N	B	2	-	2				-NB2-2
	-	S	L	1	-	1, 2, 3, 4				-SL1-1, 2, 3, 4
	-	S	A	6	-	5				-SA6-5
	-	S	B	6	-	6				-SB6-6
	-	W	L	8	-	1, 2, 3, 4				-WL8-1, 2, 3, 4
	-	W	R	8	-	1, 2, 3, 4				-WR8-1, 2, 3, 4

PHASE DIAGRAM



NO PREFERENTIALITY
HILLEGAS ROAD FLASHES RED
INDEPENDENCE ROAD FLASHES RED

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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

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

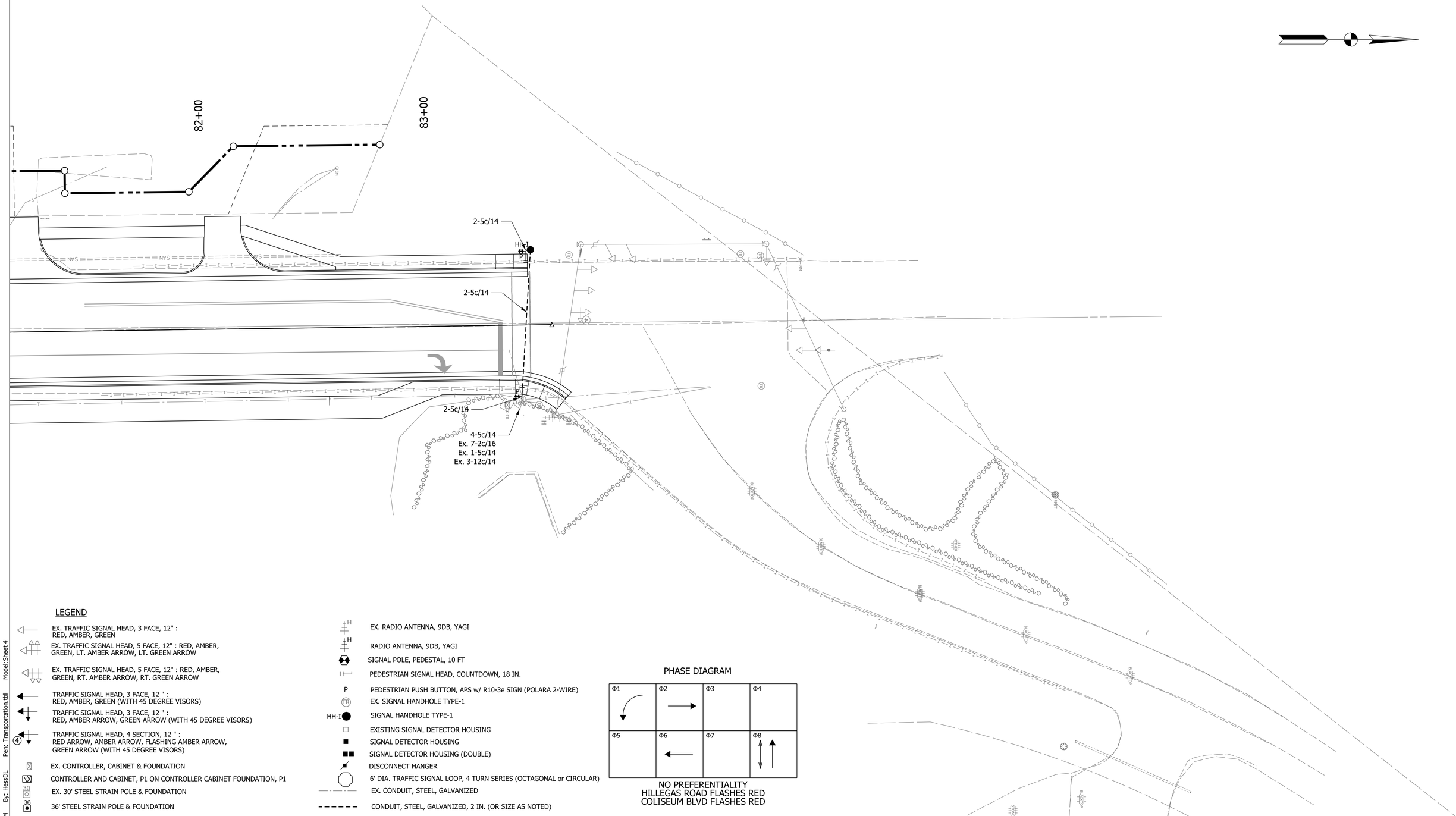
CITY OF FORT WAYNE
INDIANA

SIGNALIZATION DETAILS
HILLEGAS RD. AND INDEPENDENCE DR.

SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	85 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Model:Sheet 3
Pen: Transportation.tbl
By: HessDL
3:45:01 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
- 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
- 30 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-1 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)

PHASE DIAGRAM

Φ1	Φ2	Φ3	Φ4
Φ5	Φ6	Φ7	Φ8

NO PREFERENTIALITY
HILLEGAS ROAD FLASHES RED
COLISEUM BLVD 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

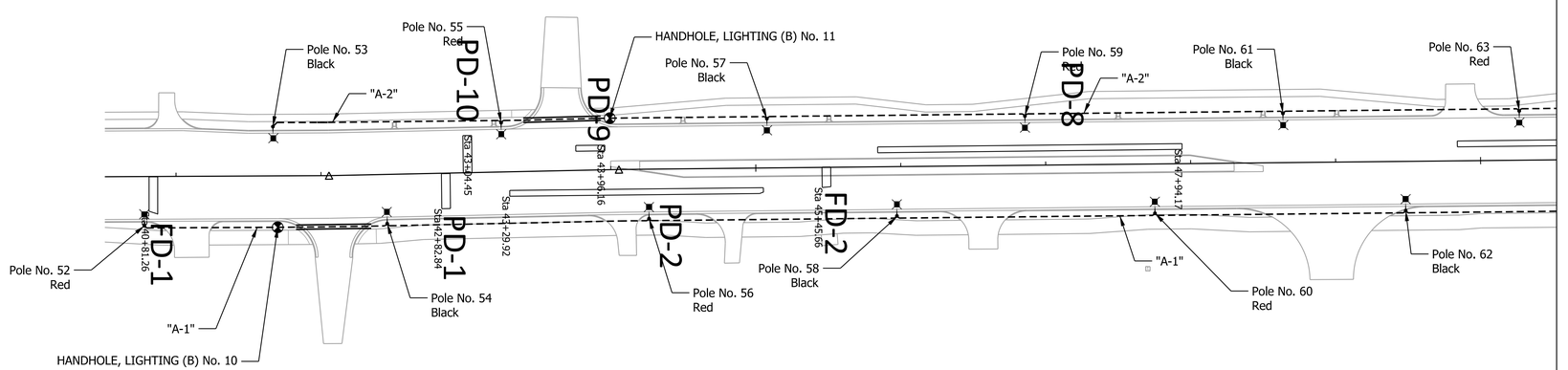
SIGNALIZATION DETAILS
HILLEGAS RD. AND COLIESUM BLVD.

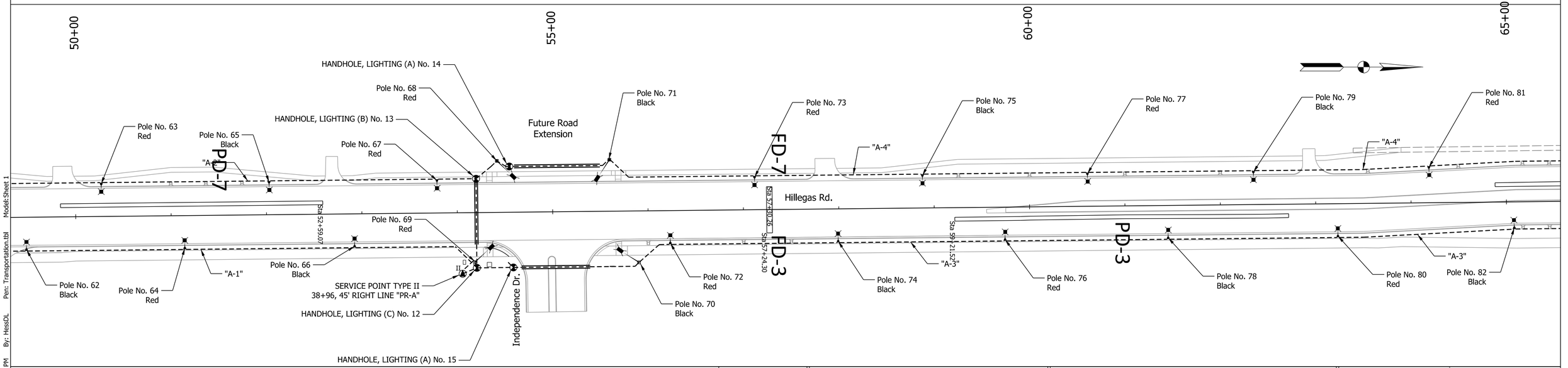
SCALE	BRIDGE FILE
1" = 20'	
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	86 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

Model:Sheet 4
Pen: Transportation.tbl
By: HessDL
3:45:05 PM
Plot:7/9/2025

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Model:Sheet 1
Pen: Transportation.tbl
By: HessDL
3:45:25 PM
Plot:7/9/2025

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

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLH | DRAWN: KTH

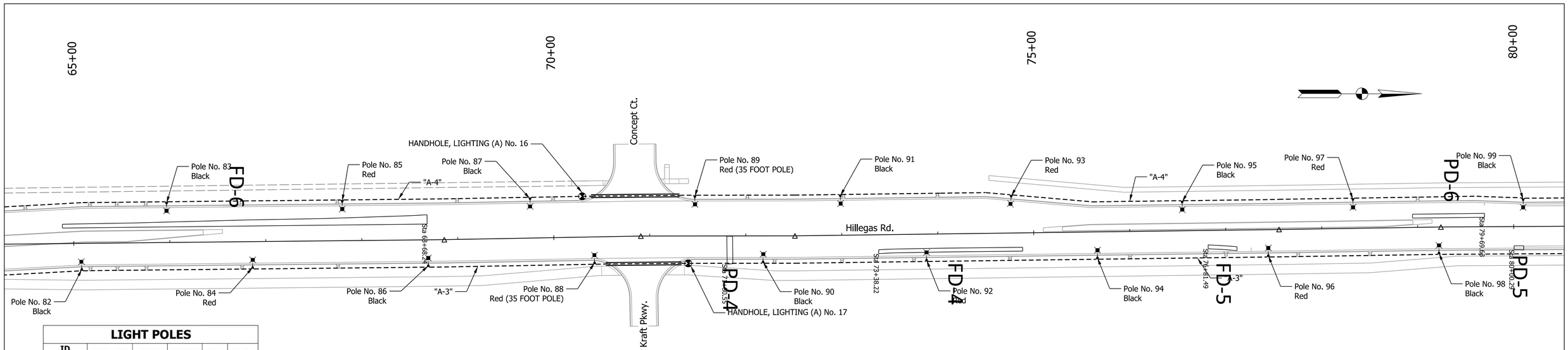
CHECKED: JAS | CHECKED: JAS/DLH

CITY OF FORT WAYNE
INDIANA

LIGHTING PLANS

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	87 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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KR

LIGHT POLES

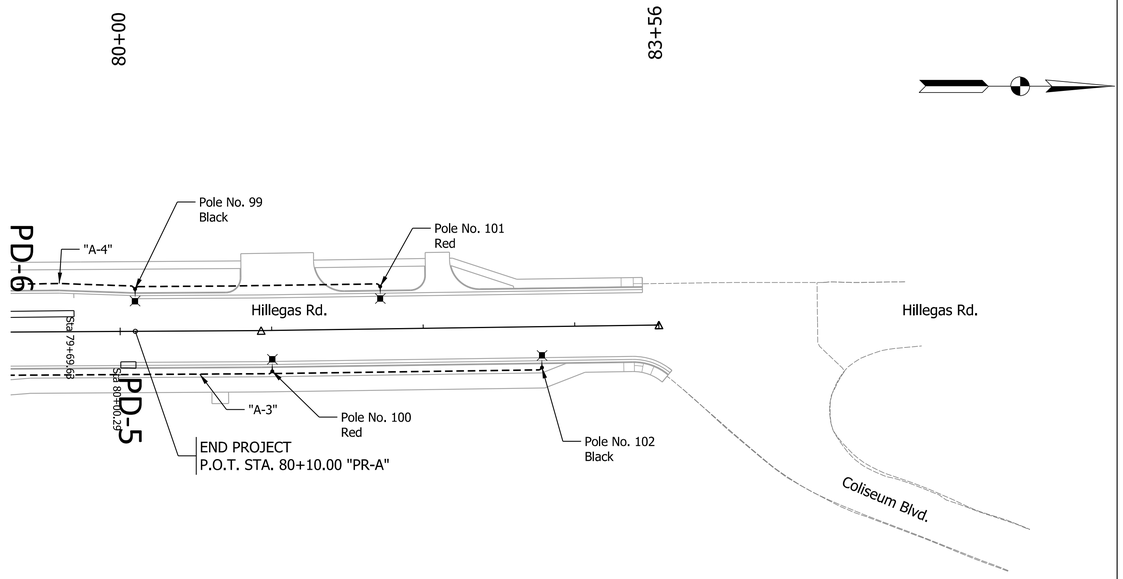
ID NUMBER	STATION	LINE	OFFSET	SIDE	Pole
52	40+78.00	PR-A	34.0	RT.	30'
53	41+67.00	PR-A	-34.0	LT.	30'
54	42+45.00	PR-A	34.0	RT.	30'
55	43+25.00	PR-A	-34.0	LT.	30'
56	44+26.00	PR-A	34.0	RT.	30'
57	45+83.00	PR-A	-34.0	LT.	30'
58	45+97.00	PR-A	34.0	RT.	30'
59	46+86.00	PR-A	-34.0	LT.	30'
60	47+75.00	PR-A	34.0	RT.	30'
61	49+39.00	PR-A	-34.0	LT.	30'
62	49+48.00	PR-A	34.0	RT.	30'
63	50+27.00	PR-A	-34.0	LT.	30'
64	51+14.00	PR-A	34.0	RT.	30'
65	52+03.00	PR-A	-34.0	LT.	30'
66	52+92.00	PR-A	34.0	RT.	30'
67	53+79.00	PR-A	-34.0	LT.	30'
68	54+42.00	PR-A	-54.0	LT.	35' Signa
69	54+18.00	PR-A	52.0	RT.	35' Signa
70	55+73.00	PR-A	36.5	RT.	35' Signa
71	55+60	PR-A	-54.0	LT.	35' Signa
72	56+23.00	PR-A	34.0	RT.	30'
73	57+12.00	PR-A	-34.0	LT.	30'
74	57+99.00	PR-A	34.0	RT.	30'
75	58+88.00	PR-A	-34.0	LT.	30'
76	59+74.00	PR-A	34.0	RT.	30'
77	60+61.00	PR-A	-34.0	LT.	30'
78	61+45.00	PR-A	34.0	RT.	30'
79	62+35.00	PR-A	-34.0	LT.	30'
80	63+23.00	PR-A	34.0	RT.	30'
81	64+19.00	PR-A	-37.0	LT.	30'
82	65+08.00	PR-A	27.1	RT.	30'
83	65+97.00	PR-A	-41.0	LT.	30'
84	66+86.00	PR-A	27.0	RT.	30'
85	67+80.00	PR-A	-41.0	LT.	30'
86	68+64.00	PR-A	27.0	RT.	30'
87	69+76.00	PR-A	-41.0	LT.	30'
88	70+42.00	PR-A	27.0	RT.	35'
89	71+47.00	PR-A	-41.0	LT.	35'
90	72+18.00	PR-A	27.0	RT.	30'
91	72+99.00	PR-A	-41.0	LT.	30'
92	73+88.00	PR-A	27.0	RT.	30'
93	74+77.00	PR-A	-38.4	LT.	30'
94	75+66.00	PR-A	27.0	RT.	30'
95	76+55.00	PR-A	-30.0	LT.	30'
96	77+44.00	PR-A	27.0	RT.	30'
97	78+33.00	PR-A	-30.0	LT.	30'
98	79+22.00	PR-A	27.0	RT.	30'
99	80+10.00	PR-A	-28.0	LT.	30'
100	81+00.00	PR-A	27.0	RT.	30'
101	81+72.00	PR-A	-28.0	LT.	30'
102	82+78.00	PR-A	27.0	RT.	30'

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	2.19	2.19	30 AMP	0.486%	0.388%
			A-2	2.73	2.73	30 AMP	0.533%	0.649%
			A-3	4.92	4.92	30 AMP	1.540%	1.764%
			A-4	4.92	4.37	30 AMP	1.684%	1.496%

HANDHOLES

TYPE	ID NUMBER	STATION	LINE	OFFSET	SIDE
A	10	41+70.00	PR-A	35.5	RT.
A	11	43+30.00	PR-A	-35.5	LT.
C	12	54+20.00	PR-A	58.0	RT.
B	13	54+20.00	PR-A	-35.5	LT.
A	14	54+55.00	PR-A	-48.0	LT.
A	15	54+58.00	PR-A	58.0	RT.
A	16	70+30.00	PR-A	-42.5	LT.
A	17	71+40.00	PR-A	28.5	RT.



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

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: DLH DRAWN: KTH

CHECKED: JAS CHECKED: JAS/DLH

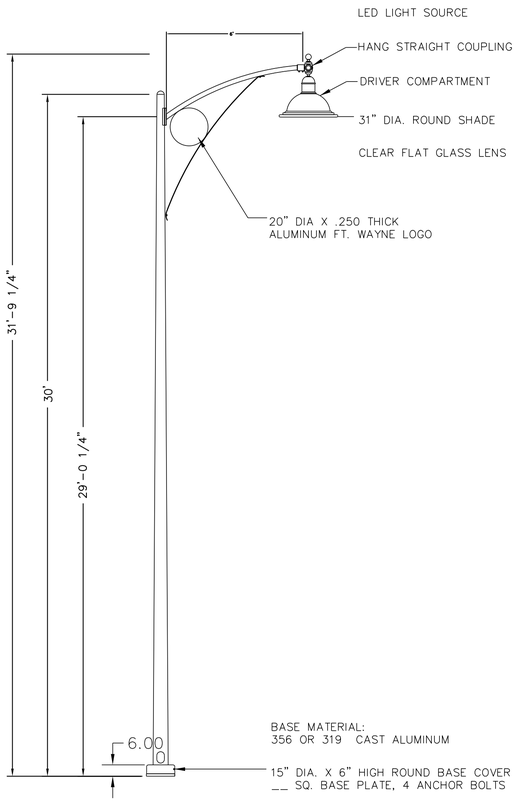
CITY OF FORT WAYNE
INDIANA

LIGHTING PLANS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
	88 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

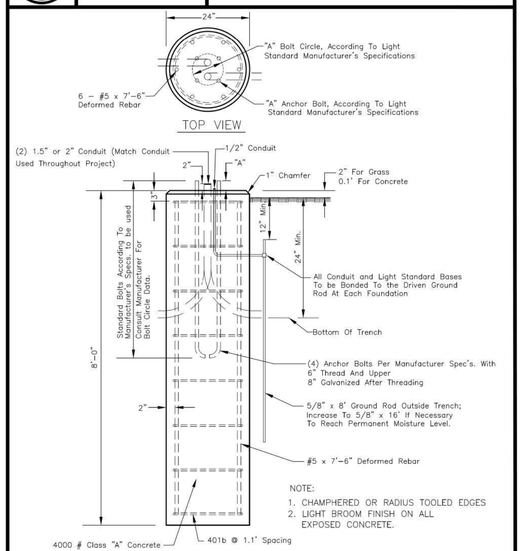
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TRANSPORTATION ENGINEERING STANDARD DETAILS

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

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DESIGNED: DLH | DRAWN: KTH

CHECKED: JAS | CHECKED: JAS/DLH

CITY OF FORT WAYNE
INDIANA

LIGHTING DETAILS

SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	89 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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CONVENTIONAL LIGHT STANDARD - LUMINAIRE TABLE

ID NUMBER		52	53	54	55	56	57	58	59	60	61	62	63	64				
LUMINAIRE ID		52	53	54	55	56	57	58	59	60	61	62	63	64				
IES DISTRIBUTION TYPE		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				
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	G	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				
EDGE OF PAVEMENT (EP) ELEVATION (FT)		818.56	818.32	817.50	816.07	814.06	812.08	812.00	811.82	812.27	814.25	814.37	815.37	816.38				
TOP OF FOUNDATION ELEVATION (FT)		819.4	819.1	818.3	816.9	814.9	812.9	812.8	812.6	813.1	815.1	815.2	816.2	817.2				
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	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				
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				
LUMINAIRE TILT (DEGREES)		0	0	0	0	0	0	0	0	0	0	0	0	0				
CIRCUIT NUMBER		"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"				
CIRCUIT CONNECTION (RED OR BLACK)		R	B	B	R	R	B	B	R	R	B	B	R	R				
CONNECTION TYPE (PER E807-LTWR-01)		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				
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		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		65	66	67	68	69	70	71	72	73	74	75	76	77	78	79		
LUMINAIRE ID		65	66	67	68	69	70	71	72	73	74	75	76	77	78	79		
IES DISTRIBUTION TYPE		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		
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	G	G	G	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		
EDGE OF PAVEMENT (EP) ELEVATION (FT)		817.30	818.15	819.00	819.64	819.67	820.63	820.65	821.22	821.74	822.24	822.76	823.23	823.67	824.09	824.54		
TOP OF FOUNDATION ELEVATION (FT)		818.1	818.9	819.8					822.0	822.5	823.0	823.6	824.0	824.5	824.9	825.3		
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		0.8	0.8	0.8	-819.6	-819.7	-820.6	-820.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		29.2	29.3	29.2	849.6	849.7	850.6	850.7	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	20.0	20.0	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		
CIRCUIT NUMBER		"A-4"	"A-3"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"		
CIRCUIT CONNECTION (RED OR BLACK)		B	B	R	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		
ORIENTATION ANGLE (SEE DETAIL)		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		

**** 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		80	81	82	83	84	85	86	87	88	89	90	91	92	93		
LUMINAIRE ID		80	81	82	83	84	85	86	87	88	89	90	91	92	93		
IES DISTRIBUTION TYPE		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		
	BACK OF SIDEWALK																
FOUNDATION TYPE (SEE LEGEND BELOW)		G	G	G	G	G	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	35.0	35.0	30.0	30.0	30.0	30.0		
EDGE OF PAVEMENT (EP) ELEVATION (FT)		824.86	825.27	825.71	825.50	826.12	826.05	826.35	825.87	825.90	825.14	825.13	824.72	825.14	825.35		
TOP OF FOUNDATION ELEVATION (FT)		825.7	826.1	826.5	826.3	826.9	826.8	827.1	826.7	826.7	825.9	825.9	825.5	825.9	826.1		
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		
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		29.2	29.2	29.2	29.2	29.2	29.3	29.3	29.2	34.2	34.2	29.2	29.2	29.2	29.3		
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		
LUMINAIRE TILT (DEGREES)		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CIRCUIT NUMBER		"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-3"		
CIRCUIT CONNECTION (RED OR BLACK)		R	R	B	B	R	R	B	B	R	R	B	B	R	R		
CONNECTION TYPE (PER E807-LTWR-01)		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		
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		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		94	95	96	97	98	99	100	101	102								
LUMINAIRE ID		94	95	96	97	98	99	100	101	102								
IES DISTRIBUTION TYPE		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								
	BACK OF SIDEWALK																	
FOUNDATION TYPE (SEE LEGEND BELOW)		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								
EDGE OF PAVEMENT (EP) ELEVATION (FT)		826.30	827.24	828.68	830.41	832.62	834.71	837.16	838.19	840.05								
TOP OF FOUNDATION ELEVATION (FT)		827.1	828.0	829.5	831.2	833.4	835.5	838.0	839.0	840.8								
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)		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	29.3								
MAST ARM LENGTH (FT)		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								
CIRCUIT NUMBER		"A-4"	"A-3"	"A-4"	"A-3"	"A-4"	"A-4"	"A-3"	"A-4"	"A-3"								
CIRCUIT CONNECTION (RED OR BLACK)		B	B	R	R	B	B	R	R	B								
CONNECTION TYPE (PER E807-LTWR-01)		2	2	2	2	2	2	2	1	1								
ORIENTATION ANGLE (SEE DETAIL)		90	90	90	90	90	90	90	90	90								
ORIENTATION REF. LINE (SEE LEGEND & DETAIL)		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

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DESIGNED: DLH DRAWN: KTH

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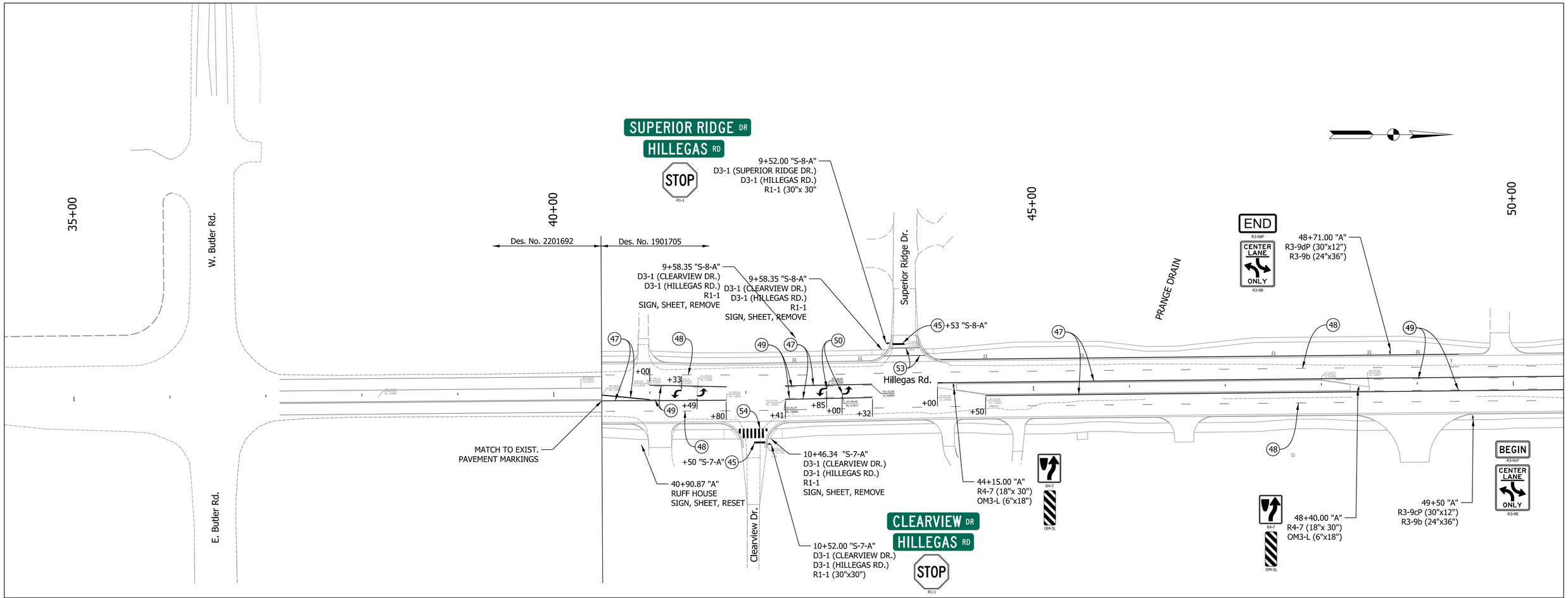
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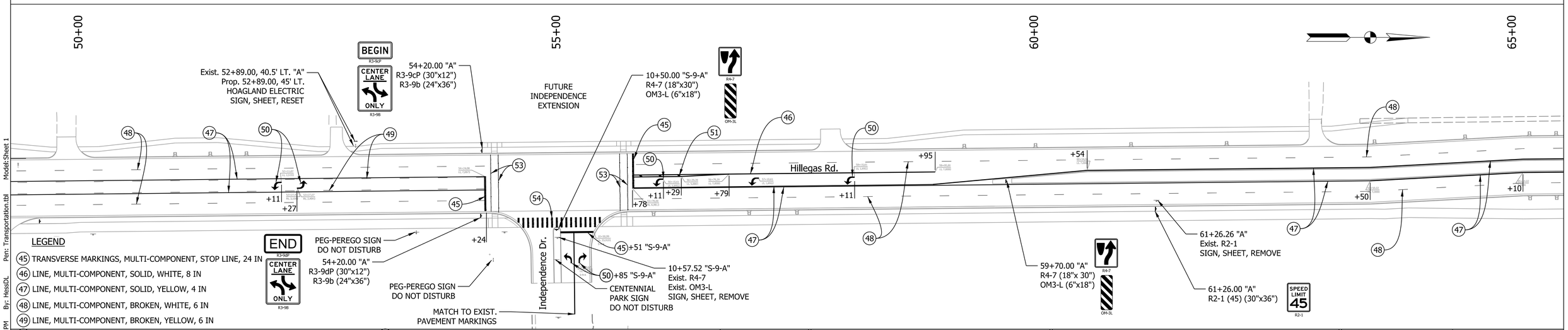
SCALE	BRIDGE FILE
	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-46105	1901705 & 2500056

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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

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DESIGN ENGINEER DATE

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

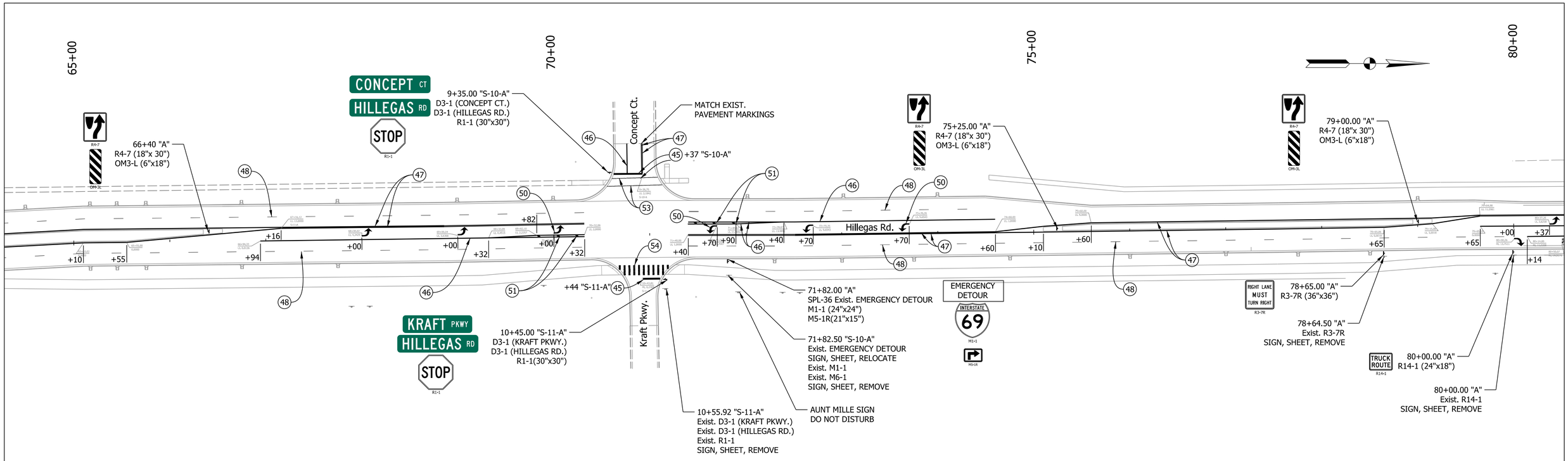
CITY OF FORT WAYNE
INDIANA

PAVEMENT MARKINGS AND SIGNING

SCALE	BRIDGE FILE
1" = 50'	
	DESIGNATION
	1901705 & 2500056
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
R-46105	1901705 & 2500056

Model:Sheet 1
Pen: Transportation.tbl
By: HessDL
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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

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

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

CITY OF FORT WAYNE
INDIANA

PAVEMENT MARKINGS
AND SIGNING

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
	1901705 & 2500056

SURVEY BOOK	SHEETS
	95 of 154
CONTRACT	PROJECT
R-46105	1901705 & 2500056

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