

CITY OF GREENFIELD

ROAD PLANS

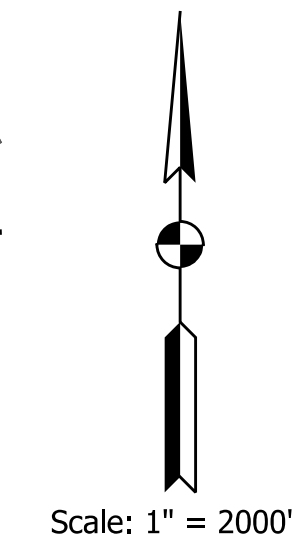
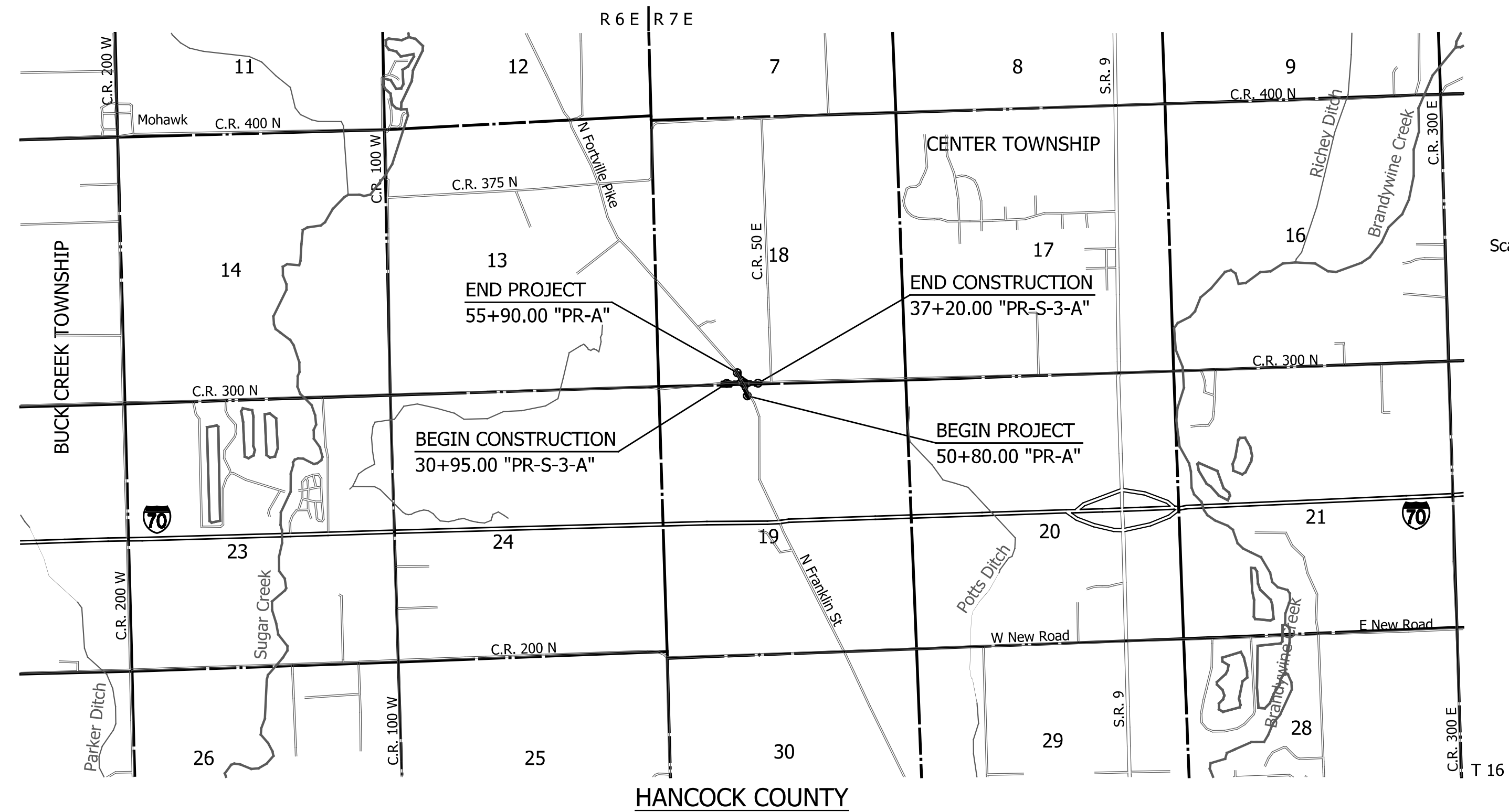
ROUNDBOUT CONSTRUCTION AT THE INTERSECTION OF FORTVILLE PIKE, N FRANKLIN STREET AND C.R. 300 N

PROJECT NO.

2205FFE P.E.

Gross Length: 0.097 MI.
 Net Length: 0.097 MI.
 Maximum Grade: 4.000 %

PROJECT DESCRIPTION: Roundabout Construction at the intersection of Fortville Pike, Franklin St. and C.R. 300 N. All in Sections 18 & 19, T-16-N, R-7-E in Center Township, Hancock County, Indiana.

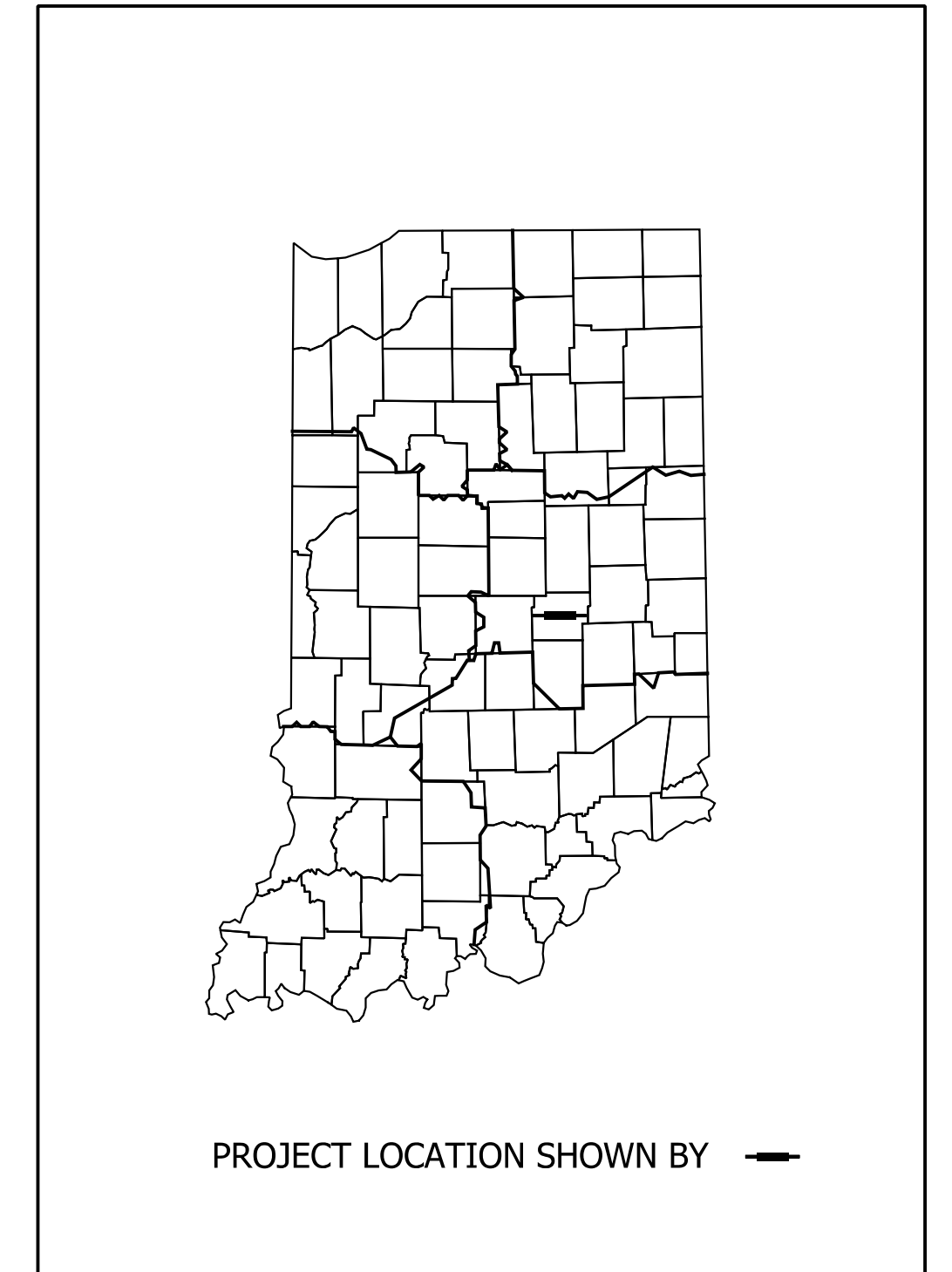


TRAFFIC DATA - N FORTVILLE PIKE

A.A.D.T.	2021	5,600	V.P.D.
A.A.D.T.	2045	6,900	V.P.D.
D.H.V	2045	830	V.P.H.
DIRECTIONAL DISTRIBUTION		51	%
TRUCKS		2	% A.A.D.T.
		1	% D.H.V.

DESIGN DATA

DESIGN SPEED	50	M.P.H.
PROJECT DESIGN CRITERIA	4R Reconstruction	
FUNCTIONAL CLASSIFICATION	Major Collector	
RURAL/URBAN	Urban (Suburban)	
TERRAIN	Level	
ACCESS CONTROL	None	



PROJECT LOCATION SHOWN BY —

LATITUDE: 39°49'41" N LONGITUDE: 85°47'49" W

NOTES:

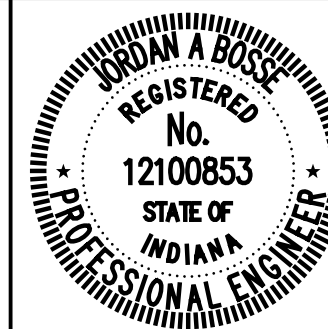
CITY OF GREENFIELD STANDARDS FOR PUBLIC INFRASTRUCTURE CONSTRUCTION SHALL BE INCORPORATED BY REFERENCE INTO THESE PLANS. IF CONFLICTING STANDARDS OCCUR, THE FOLLOW ORDER OF PRECEDENCE SHALL GOVERN:

1. PROJECT SPECIAL PROVISIONS
2. INFORMATION FOR BIDDERS
3. SPECIAL GENERAL CONDITIONS
4. GENERAL CONDITIONS
5. CONTRACT FORMS
6. CONSTRUCTION PLANS
7. CITY OF GREENFIELD STANDARDS, MOST RECENT
8. INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, MOST RECENT
9. INDOT STANDARD DRAWINGS, MOST RECENT

NO ALTERNATE SPECIFICATIONS OR MATERIALS OR NEW MATERIALS MAY BE USED WITHOUT EXPRESS WRITTEN APPROVAL FROM THE CITY OF GREENFIELD PRIOR TO THE COMMENCEMENT OF WORK.



9025 RIVER ROAD, SUITE 200
 INDIANAPOLIS, IN 46240
 TEL 317.547.5580 FAX 317.543.0270
 www.structurepoint.com



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

CERTIFIED BY: *Jordan A. Bork* 4/15/2024 DATE

BRIDGE FILE	N/A	
DESIGNATION	2205FFE	
SURVEY BOOK	SHEETS	
N/A	1	56
CONTRACT	PROJECT	
N/A	2205FFE	

UTILITIES			
ELECTRIC NineStar Connect 2243 E. Main St. Greenfield, IN 46140 (317) 326-3131 Eric Meyer	COMMUNICATIONS AT & T 240 N Meridian St. Indianapolis, IN 46204 (317) 372-9885 Tendai Inman Comcast 5330 E. 65th St. Indianapolis, IN 46220 (317) 710-0602 William Morris NineStar Connect 2243 E. Main St. Greenfield, IN 46140 (317) 323-2081 Jason Warrick Everstream 342 Massachusetts Ave. Indianapolis, IN 46204 (317) 691-0588 Eddie Fields	ELECTRIC Duke Transmission 1000 East Main Street Plainfield, IN 46168 Zach Boston (317)838-1053	WATER Greenfield Water 451 Meek Street Greenfield, IN 46140 (317) 325-1353 Charles Gill GAS CenterPoint Energy 4324 Middle Road Columbus, IN 47203 Timothy Langston 812-348-6703

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

** REPRESENTS GENERAL NOTES REQUIRED



INDEX	
SHEET NO.	DRAWING INDEX
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3-4	TYPICAL SECTIONS
5	MISCELLANEOUS DETAILS
6	STORMWATER TREATMENT STRUCTURE DETAILS
7	PLAT NO. 1
8-9	GEOMETRIC TIE-UPS DETAILS
10	DETOUR PLAN
11-13	PLAN AND PROFILES
14-16	CONSTRUCTION DETAILS
17-18	ROUNDBOUT ALIGNMENT PLAN
19-20	SPOT ELEVATION DETAILS
21-24	EROSION CONTROL DETAILS
25-26	LANDSCAPE PLANS
27-28	IRRIGATION PLANS
29	LIGHTING DETAILS
30-34	PAVEMENT MARKING AND SIGHING DETAILS
35	SUMMARY OF QUANTITIES AND APPROACH TABLE
36	MISCELLANEOUS TABLES
37-38	UNDERDRAIN TABLES
39-40	STRUCTURE DATA TABLES
41	PIPE MATERIAL SHEET
42-56	CROSS SECTIONS

REVISIONS		
SHEET NO.	DATE	REVISED

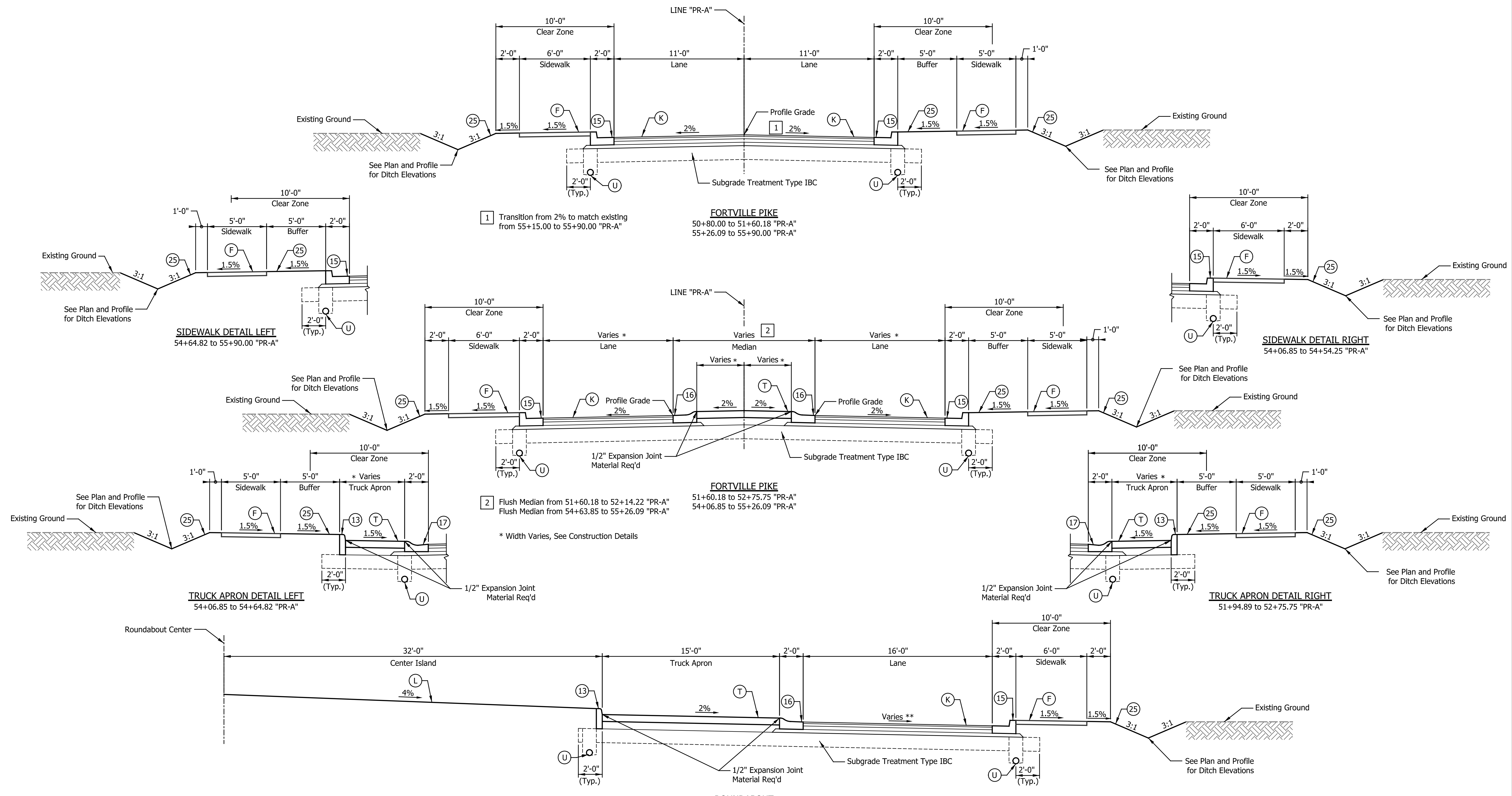
TRAFFIC DATA - N FRANKLIN ST.			
A.A.D.T.	2021	6,600	V.P.D.
A.A.D.T.	2045	11,400	V.P.D.
D.H.V.	2045	1,360	V.P.H.
DIRECTIONAL DISTRIBUTION		51	%
TRUCKS		3	% A.A.D.T.
		1	% D.H.V.
DESIGN DATA			
DESIGN SPEED		50	M.P.H.
PROJECT DESIGN CRITERIA		4R Reconstruction	
FUNCTIONAL CLASSIFICATION		Minor Arterial	
RURAL/URBAN		Suburban	
TERRAIN		Level	
ACCESS CONTROL		None	

TRAFFIC DATA - C.R. W 300 N			
A.A.D.T.	2021	2,700	V.P.D.
A.A.D.T.	2045	3,700	V.P.D.
D.H.V.	2045	580	V.P.H.
DIRECTIONAL DISTRIBUTION		50	%
TRUCKS		9	% A.A.D.T.
		1	% D.H.V.
DESIGN DATA			
DESIGN SPEED		50	M.P.H.
PROJECT DESIGN CRITERIA		4R Reconstruction	
FUNCTIONAL CLASSIFICATION		Minor Arterial	
RURAL/URBAN		Suburban	
TERRAIN		Level	
ACCESS CONTROL		None	

TRAFFIC DATA - C.R. E 300 N			
A.A.D.T.	2021	3,400	V.P.D.
A.A.D.T.	2045	5,800	V.P.D.
D.H.V.	2045	640	V.P.H.
DIRECTIONAL DISTRIBUTION		53	%
TRUCKS		9	% A.A.D.T.
		1	% D.H.V.
DESIGN DATA			
DESIGN SPEED		55	M.P.H.
PROJECT DESIGN CRITERIA		4R Reconstruction	
FUNCTIONAL CLASSIFICATION		Minor Arterial	
RURAL/URBAN		Suburban	
TERRAIN		Level	
ACCESS CONTROL		None	

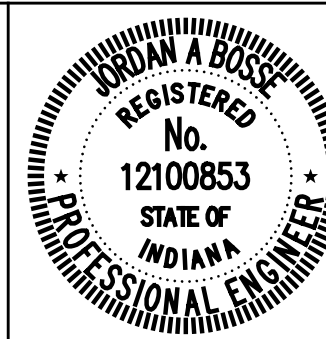
	RECOMMENDED FOR APPROVAL  DESIGN ENGINEER DATE: 6/07/2024	CITY OF GREENFIELD	HORIZONTAL SCALE	BRIDGE FILE
			VERTICAL SCALE	DESIGNATION
DESIGNED: ASV CHECKED: JAB	DRAWN: RJC CHECKED: JAB	INDEX AND GENERAL NOTES	NONE	N/A
			N/A	2205FFE
			N/A	2205FFE
			SURVEY BOOK	SHEETS
			N/A	2 of 56
			CONTRACT	PROJECT
			N/A	2205FFE

Checked: jslck
Indiana_Shafer.tbl



- LEGEND**
- (F) Sidewalk, Concrete, 4 in.
 - (K) Full Depth HMA Pavement, Consisting of:
165 lbs/sys HMA Surface, Type "C", 9.5 mm, on
275 lbs/sys HMA Intermediate, Type "C", 19.0 mm, on
385 lbs/sys HMA Base, Type "C", 19.0 mm, on
385 lbs/sys HMA Base, Type "C", 19.0 mm
 - (T) PCCP for Truck Apron, Consisting of:
7 in. PCCP with D-1 Joints Spaced at
15 ft. and 1 in. Dia. Dowel Bars, on
7.5 in. Compacted Aggregate, No. 53
 - (U) Underdrain, 6 in.
 - (13) Straight Concrete Curb, Modified
(See Miscellaneous Details)
 - (15) Vertical Curb and Gutter
(See Miscellaneous Details)
 - (16) Concrete Roll Curb & Gutter, Inverted Modified II
(See Miscellaneous Details)
 - (17) Concrete Roll Curb & Gutter, Modified I
(See Miscellaneous Details)
 - (25) Seed Mixture, U
 - (L) See Landscaping Plans

DATE	REVISION



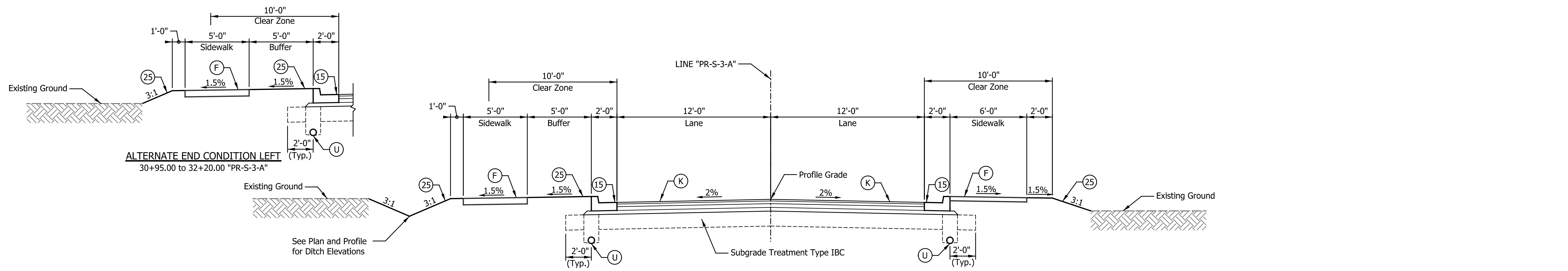
RECOMMENDED FOR APPROVAL: *Josh Bose*
 DESIGN ENGINEER: JOSH BOSE
 DATE: 6/07/2024

DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

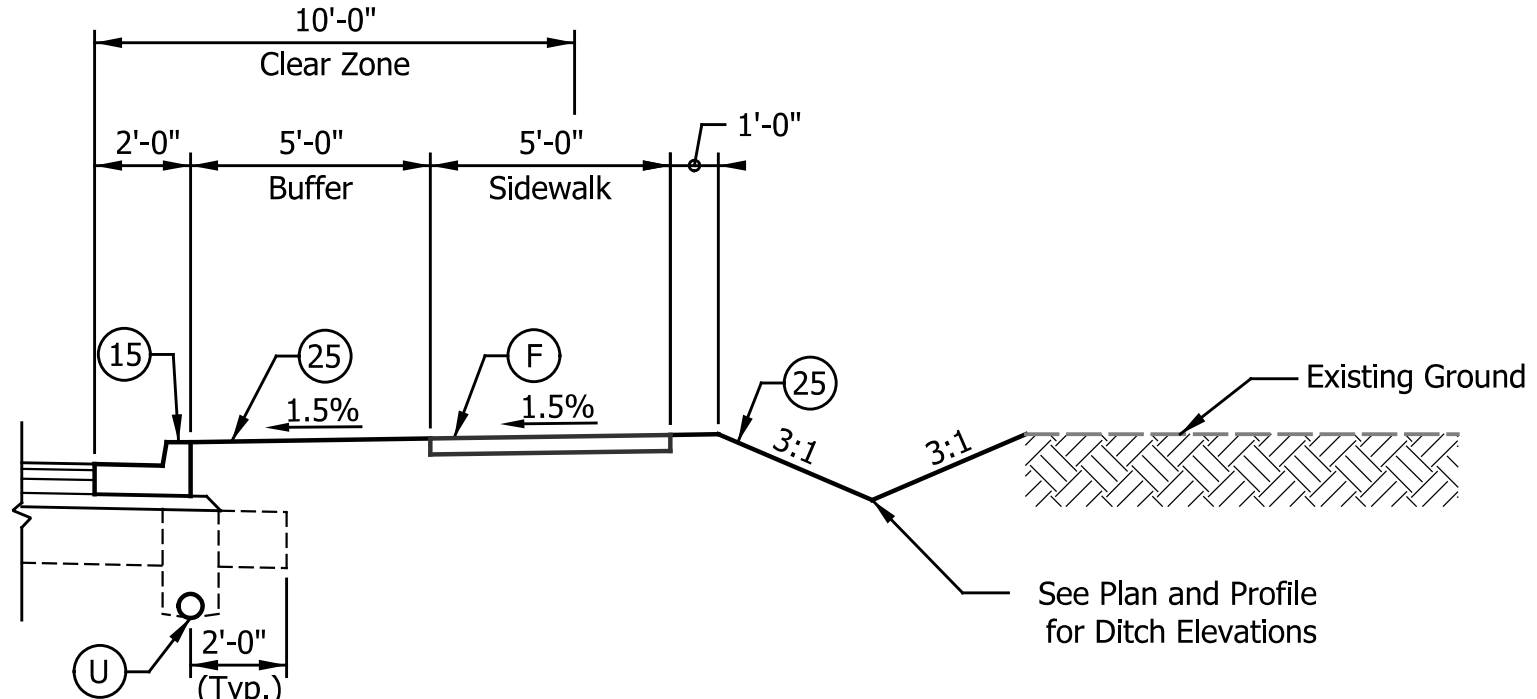
TYPICAL CROSS SECTIONS
 FORTVILLE PIKE - LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4"=1'-0"	2205FFE
SURVEY BOOK	SHEETS
N/A	3 of 56
CONTRACT	PROJECT
N/A	2205FFE

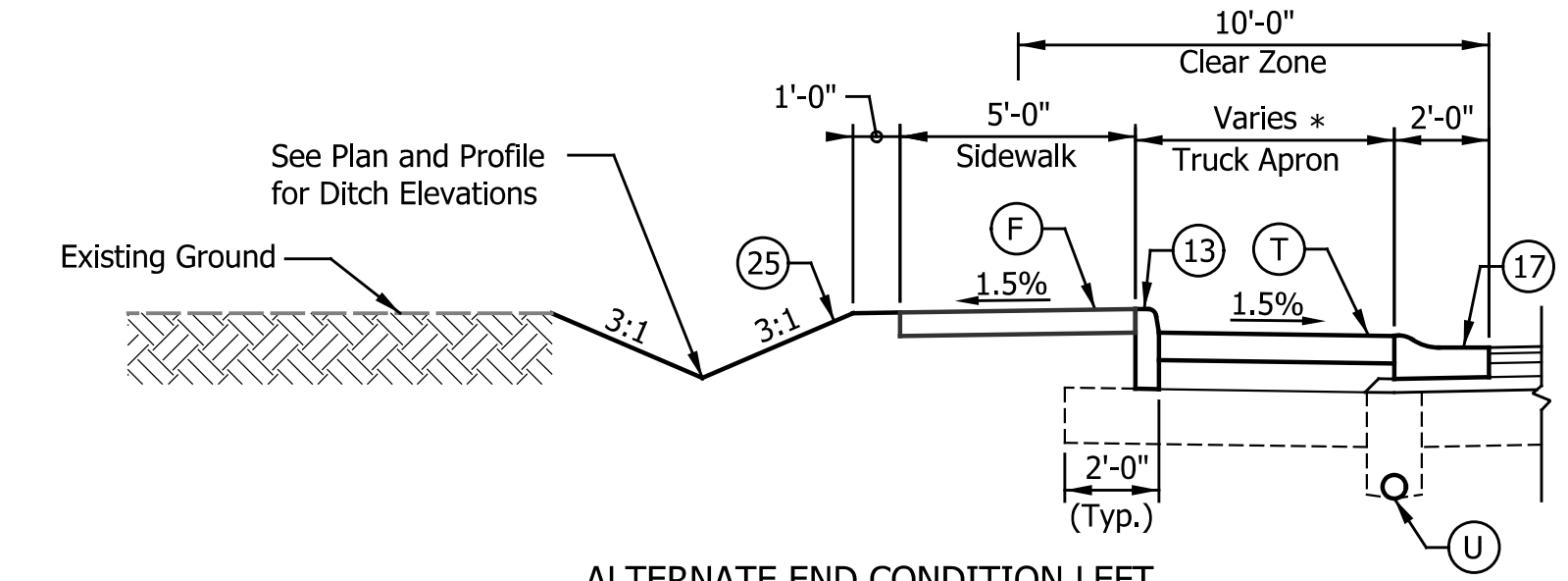


ALTERNATE END CONDITION LEFT
30+95.00 to 32+20.00 "PR-S-3-A"

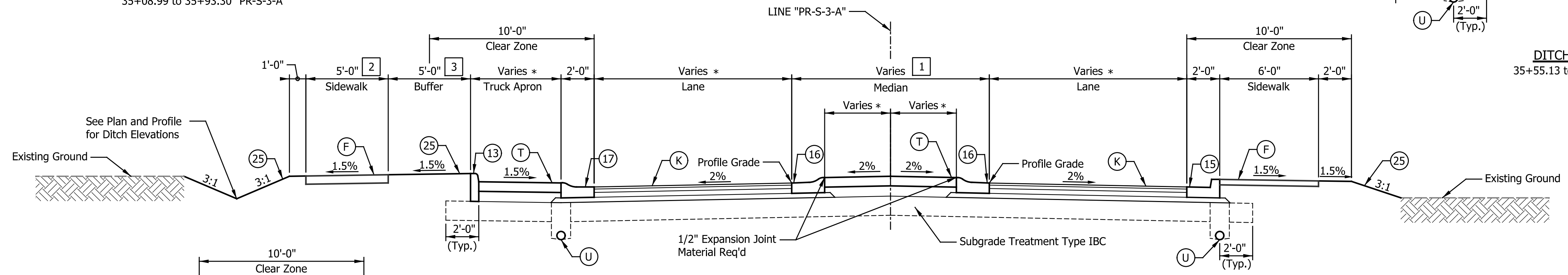
CR 300 N
30+95.00 to 32+35.63 "PR-S-3-A"
36+26.03 to 37+20.00 "PR-S-3-A"



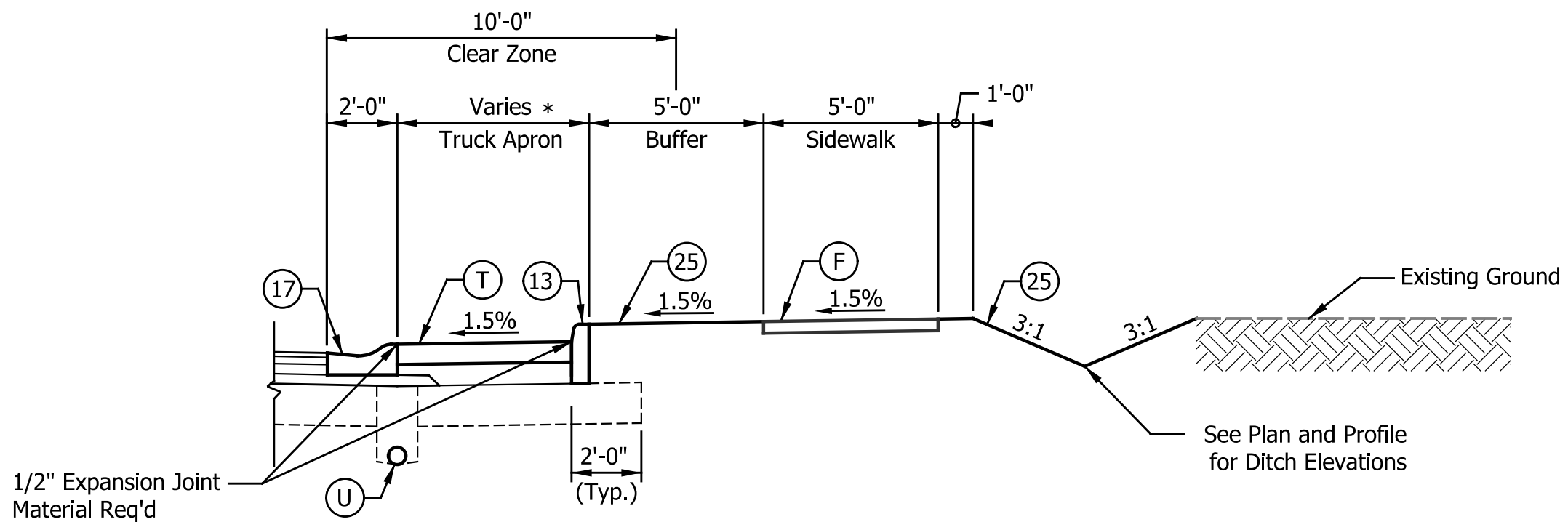
DITCH DETAIL RIGHT
35+55.13 to 37+20.00 "PR-S-3-A"



ALTERNATE END CONDITION LEFT
35+08.99 to 35+93.30 "PR-S-3-A"



CR 300 N
32+35.63 to 33+25.64 "PR-S-3-A"
35+57.62 to 36+26.03 "PR-S-3-A"



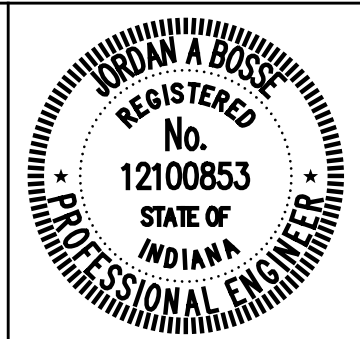
TRUCK APRON & DITCH DETAIL RIGHT
35+08.99 to 35+55.13 "PR-S-3-A"

- 1 Flush Median from 32+35.63 to 33+25.64 "PR-S-3-A"
Flush Median from 35+57.62 to 36+26.03 "PR-S-3-A"
- 2 Is 6'-0" from 32+79.82 to 33+02.48 "PR-S-3-A"
- 3 Varies from 5'-0" to 1'-0" from 32+49.75 to 32+79.82 "PR-S-3-A"
Is 0'-0" from 32+79.82 to 33+02.48 "PR-S-3-A"
Varies from 1'-0" from 33+02.48 to 33+22.98 "PR-S-3-A"
* Width Varies, See Construction Details

LEGEND

- (F) Sidewalk, Concrete, 4 in.
- (K) Full Depth HMA Pavement, Consisting of:
165 lbs/sys HMA Surface, Type "C", 9.5 mm, on
275 lbs/sys HMA Intermediate, Type "C", 19.0 mm, on
385 lbs/sys HMA Base, Type "C", 19.0 mm, on
385 lbs/sys HMA Base, Type "C", 19.0 mm
- (T) PCCP for Truck Apron, Consisting of:
7 in. PCCP with D-1 Joints Spaced at
15 ft. and 1 in. Dia. Dowel Bars, on
7.5 in. Compacted Aggregate, No. 53
- (13) Straight Concrete Curb, Modified
(See Miscellaneous Details)
- (15) Vertical Curb and Gutter
(See Miscellaneous Details)
- (16) Concrete Roll Curb & Gutter, Inverted Modified II
(See Miscellaneous Details)
- (17) Concrete Roll Curb & Gutter, Modified I
(See Miscellaneous Details)
- (25) Seed Mixture, U
- (L) See Landscaping Plans
- (U) Underdrain, 6 in.

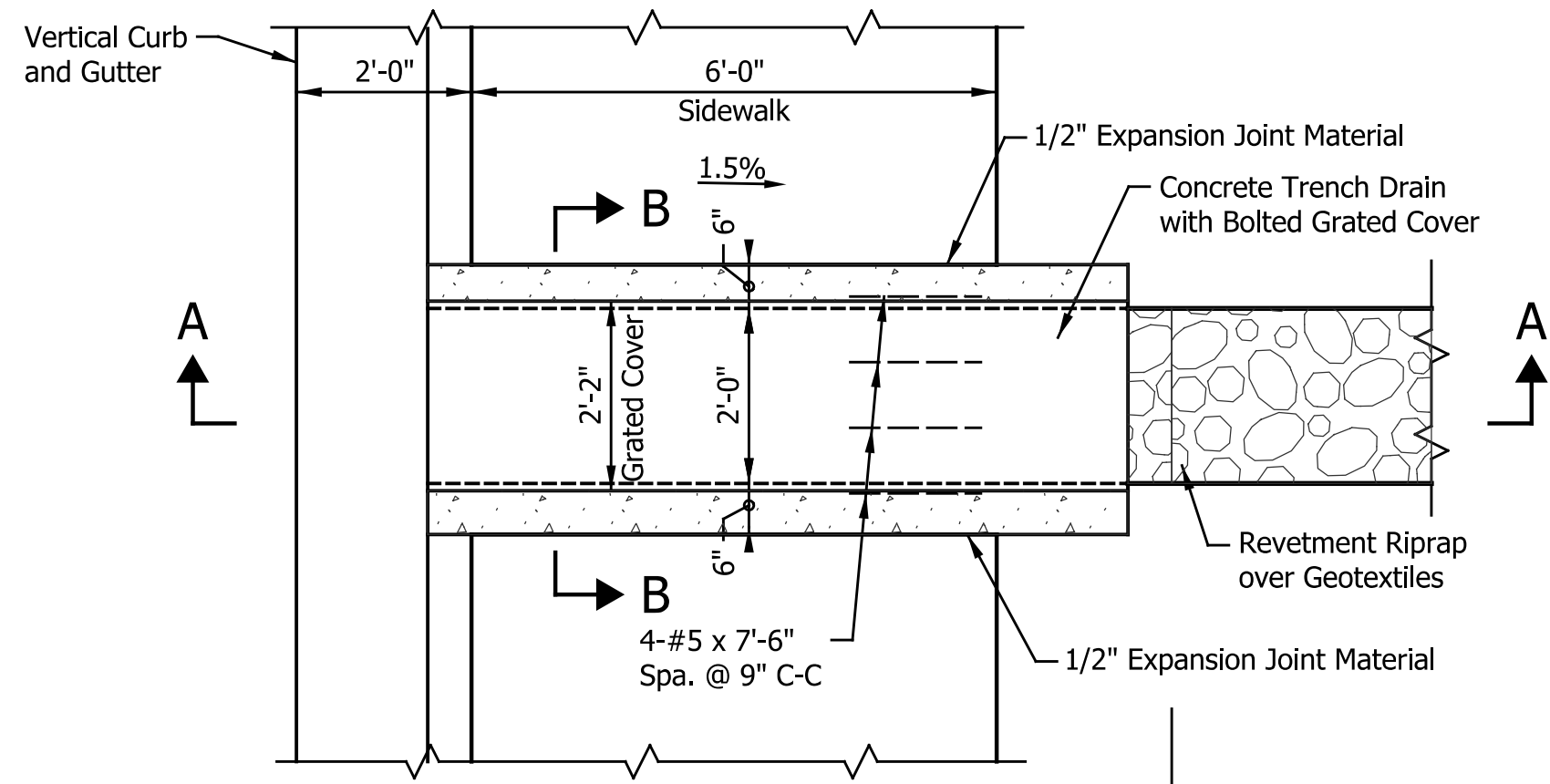
DATE	REVISION



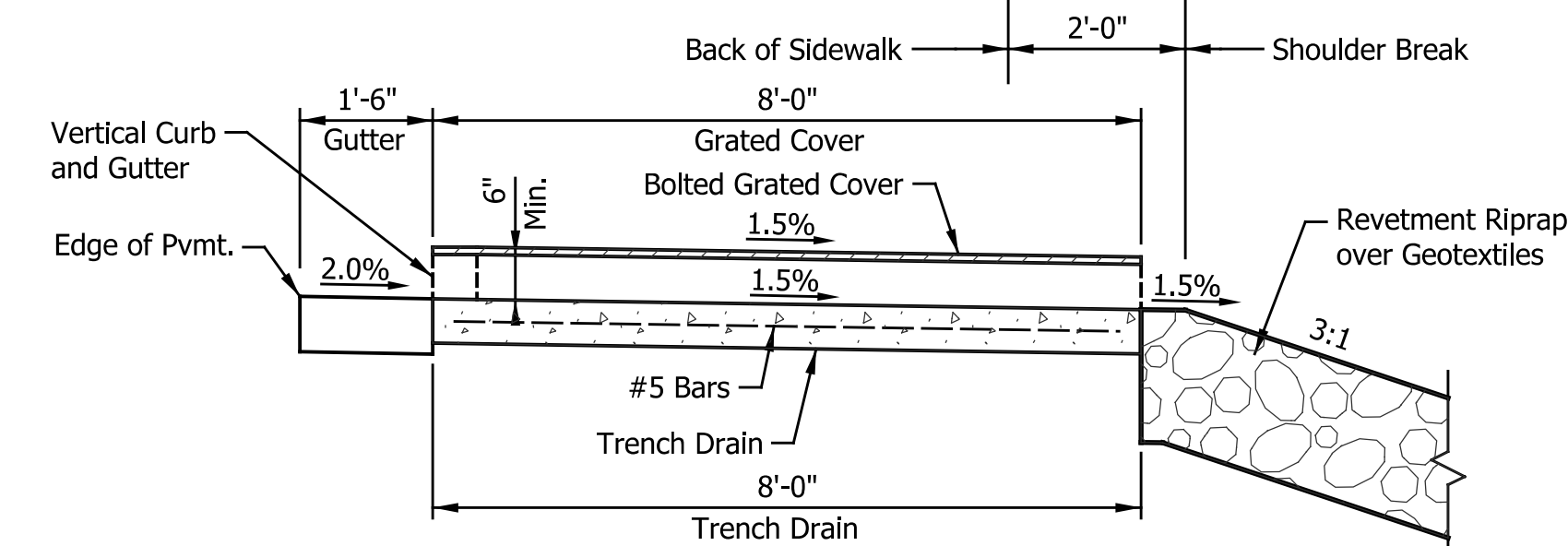
RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	ASV	DRAWN:	ASV
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
TYPICAL CROSS SECTIONS
CR 300 N - LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4"=1'-0"	2205FFE
SURVEY BOOK	SHEETS
N/A	4 of 56
CONTRACT	PROJECT
N/A	2205FFE

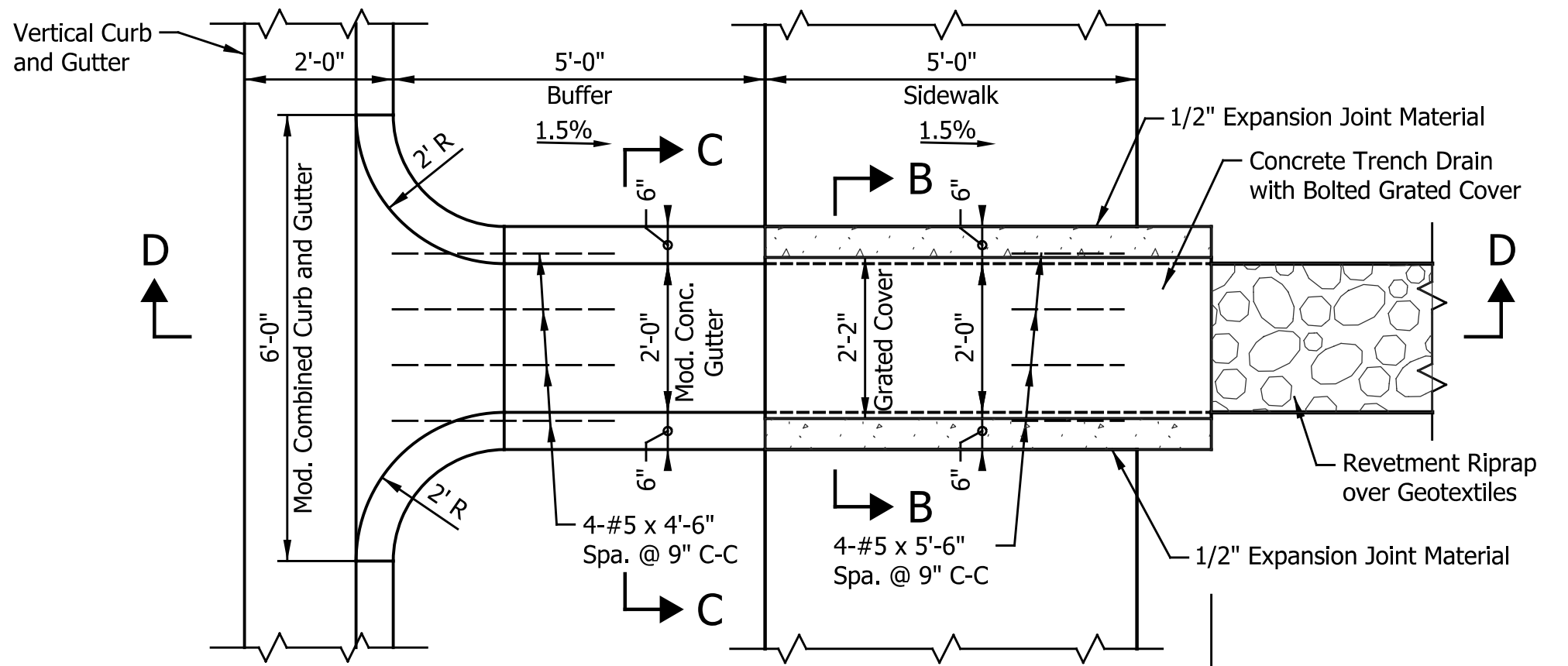


PLAN VIEW

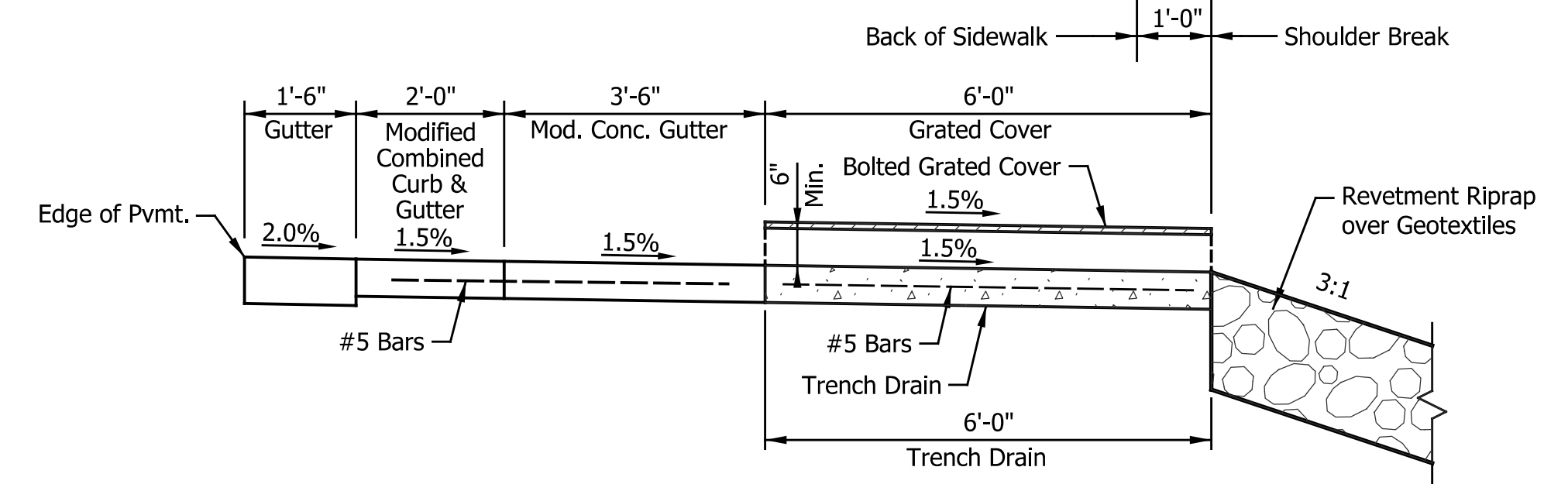


SECTION A-A

TRENCH DRAIN TYPE I DETAIL

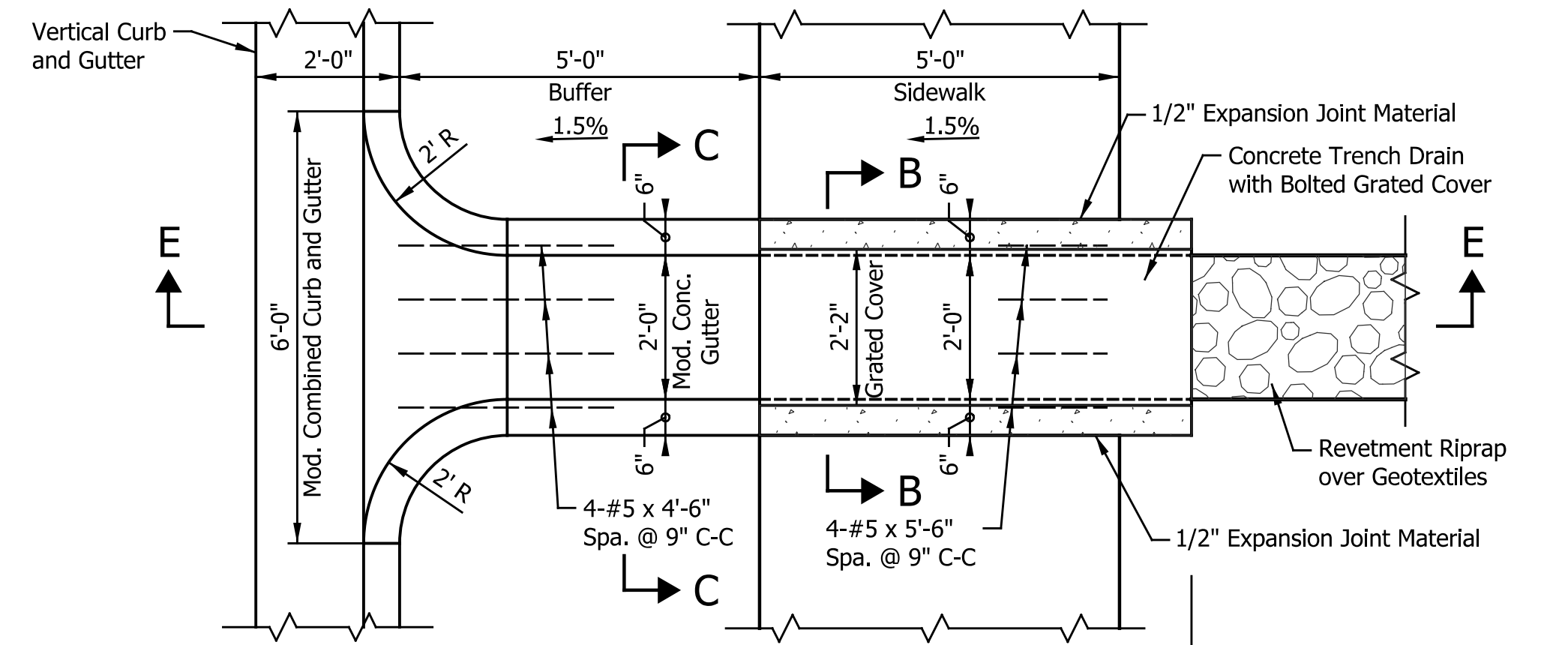


PLAN VIEW

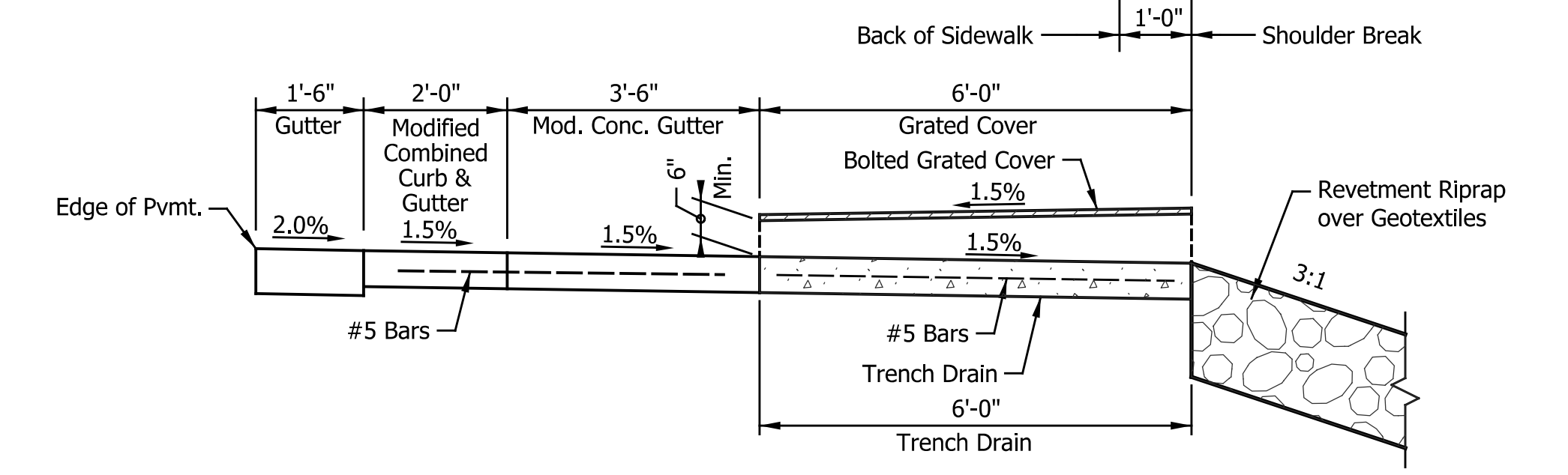


SECTION D-D

TRENCH DRAIN TYPE II DETAIL

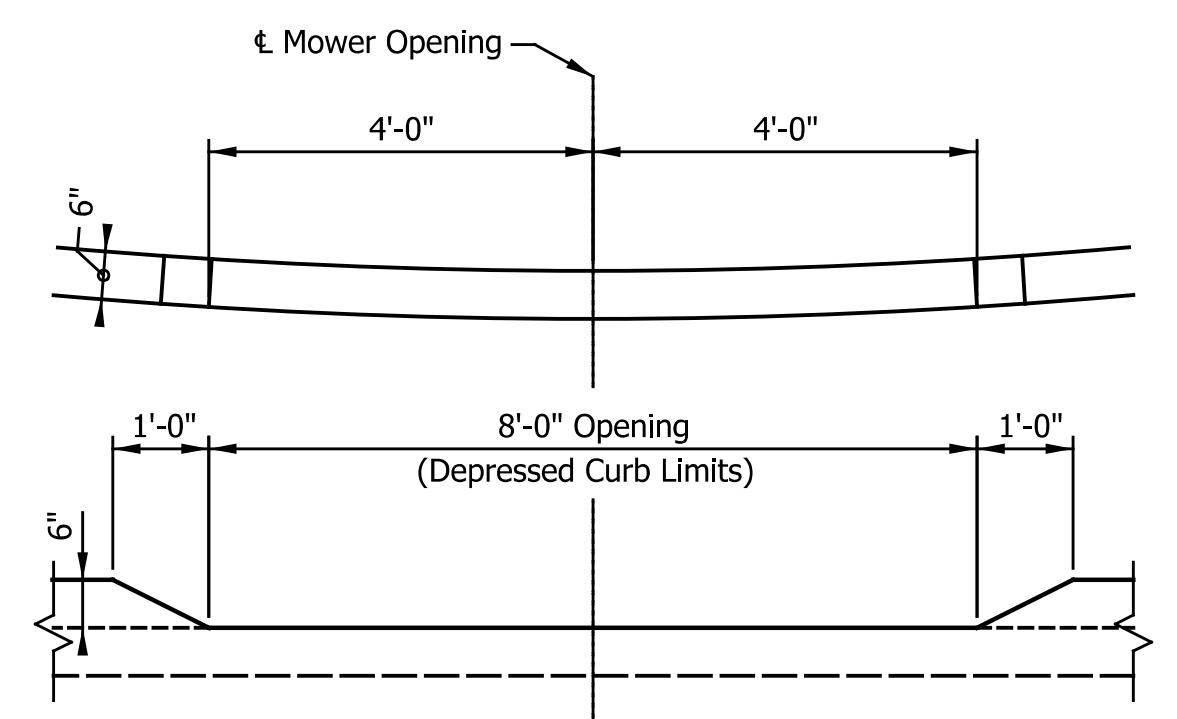


PLAN VIEW

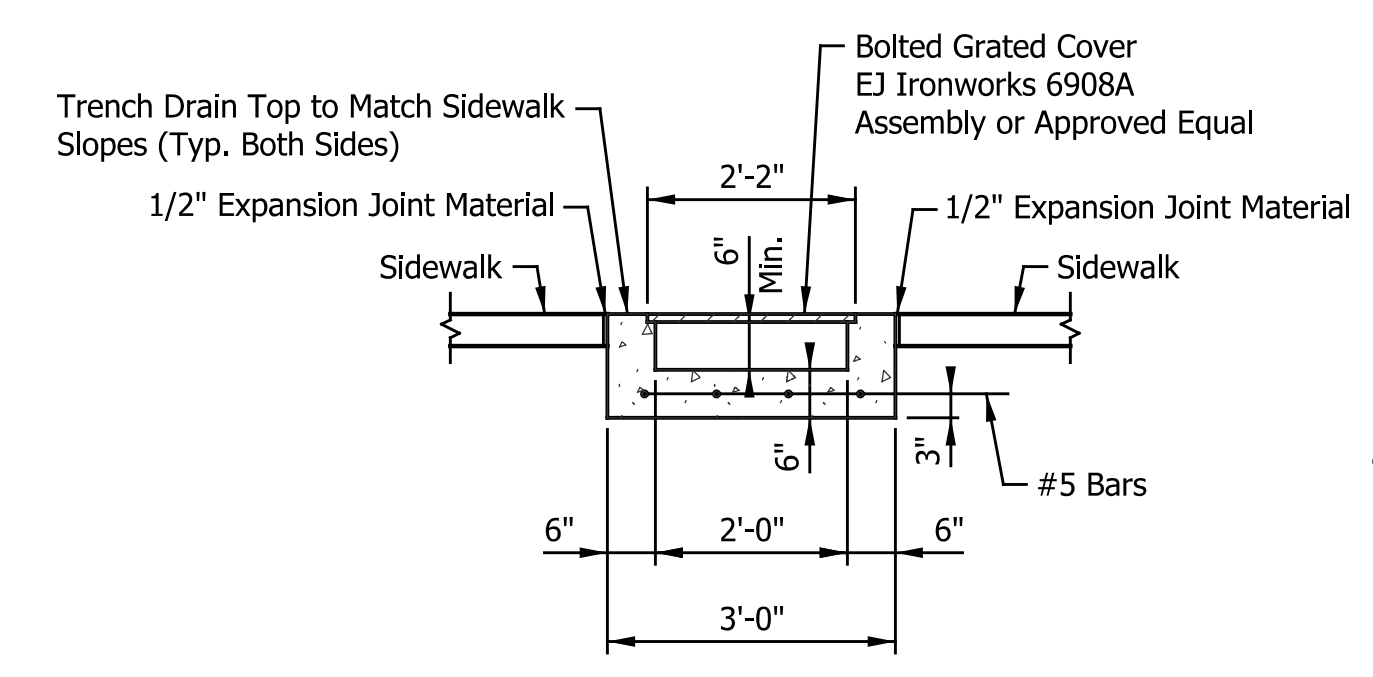


SECTION E-E

TRENCH DRAIN TYPE III DETAIL

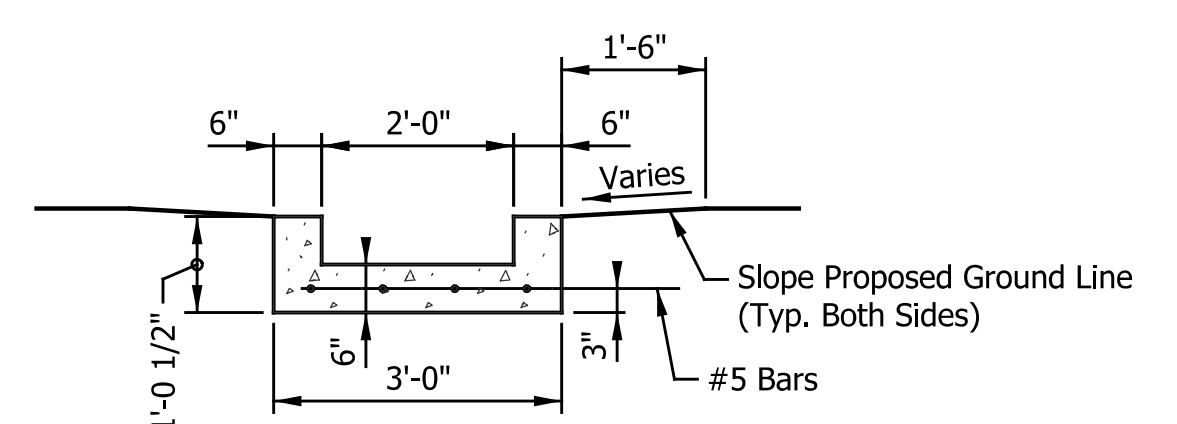


MOWER ACCESS CURB CUT DETAIL



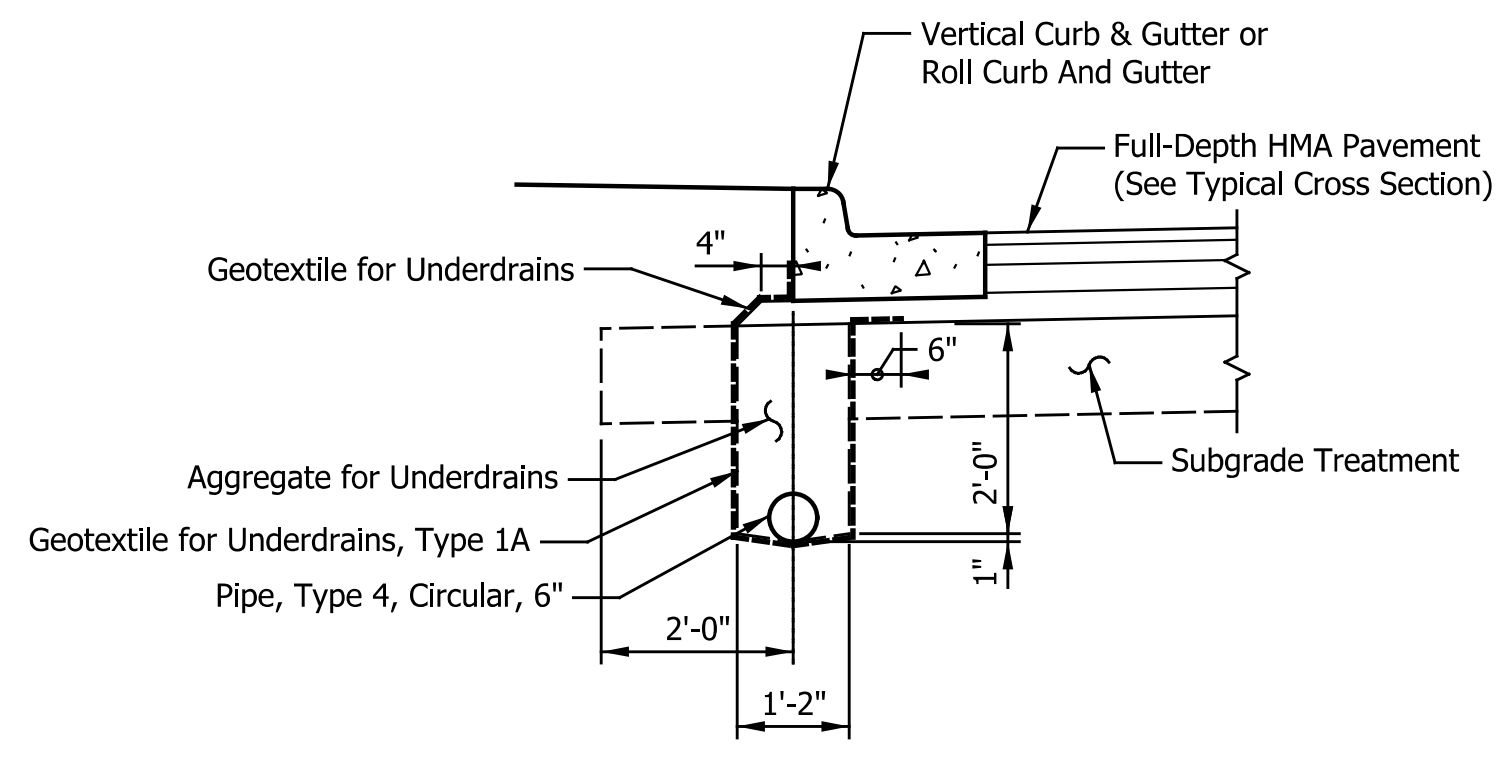
SECTION B-B

TRENCH DRAIN DETAIL



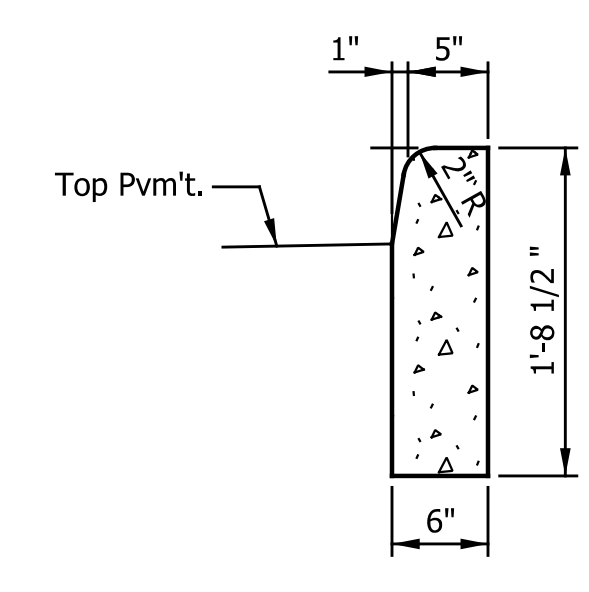
SECTION C-C

MODIFIED CONCRETE GUTTER DETAIL



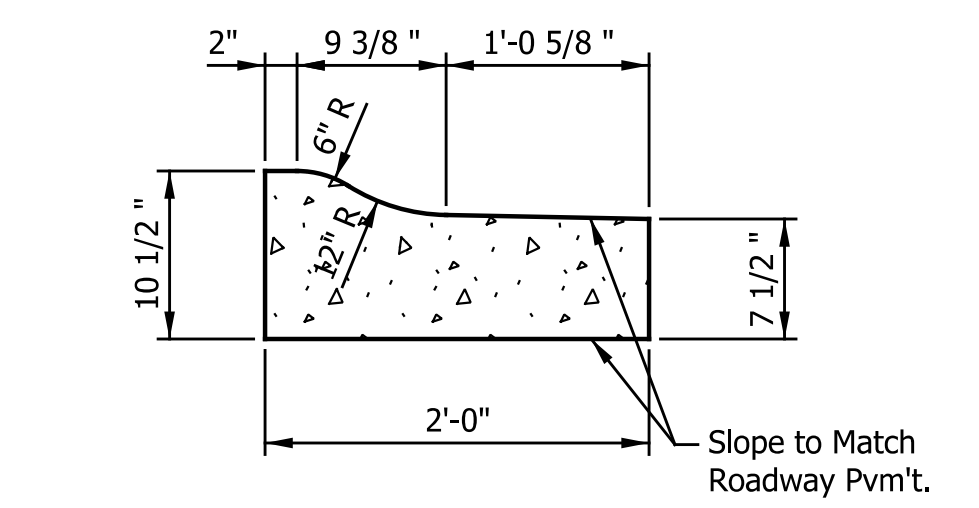
UNDERDRAIN DETAIL - CURB & GUTTER

Scale: 1/2"=1'-0"



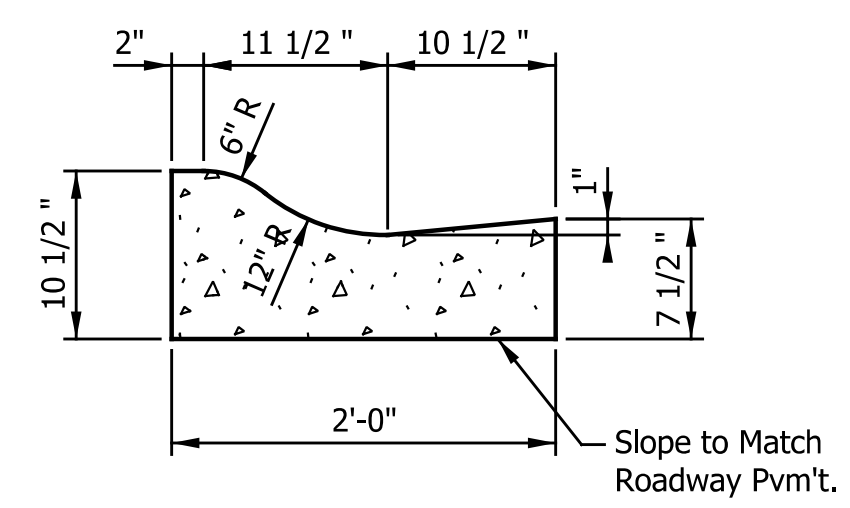
13 STRAIGHT CONCRETE CURB, MODIFIED DETAIL

Scale: 1"=1'-0"



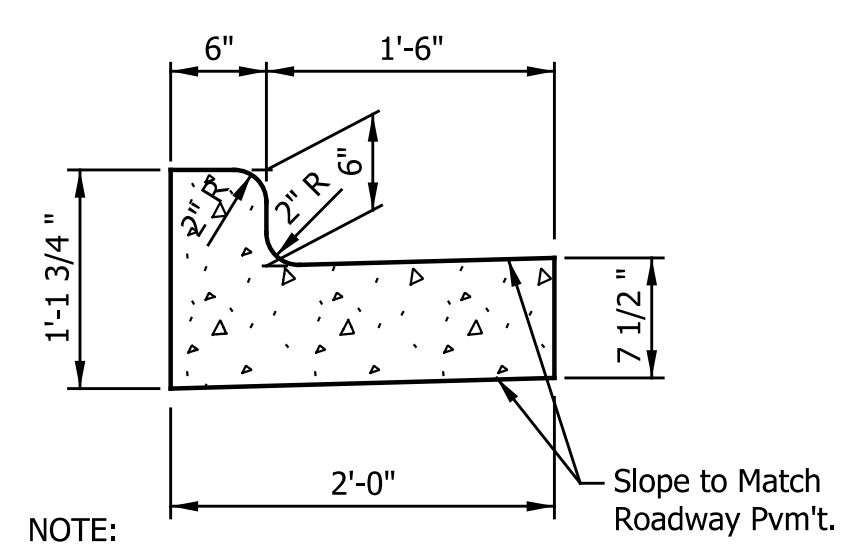
16 CONCRETE ROLL CURB AND GUTTER, INVERTED MODIFIED II DETAIL

Scale: 1" = 1'-0"



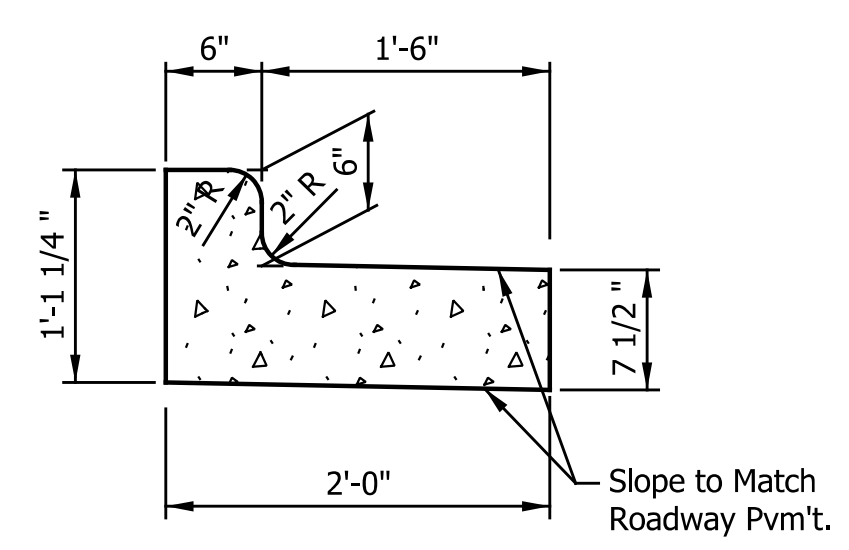
17 CONCRETE ROLL CURB AND GUTTER, MODIFIED I DETAIL

Scale: 1" = 1'-0"



15 VERTICAL CURB AND GUTTER DETAIL

Scale: 1"=1'-0"

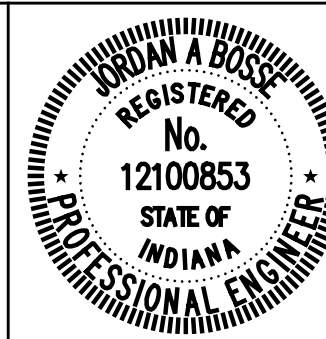


18 INVERTED CURB AND GUTTER DETAIL

Scale: 1"=1'-0"

NOTE: For Additional Information, See City of Greenfield Standard Details

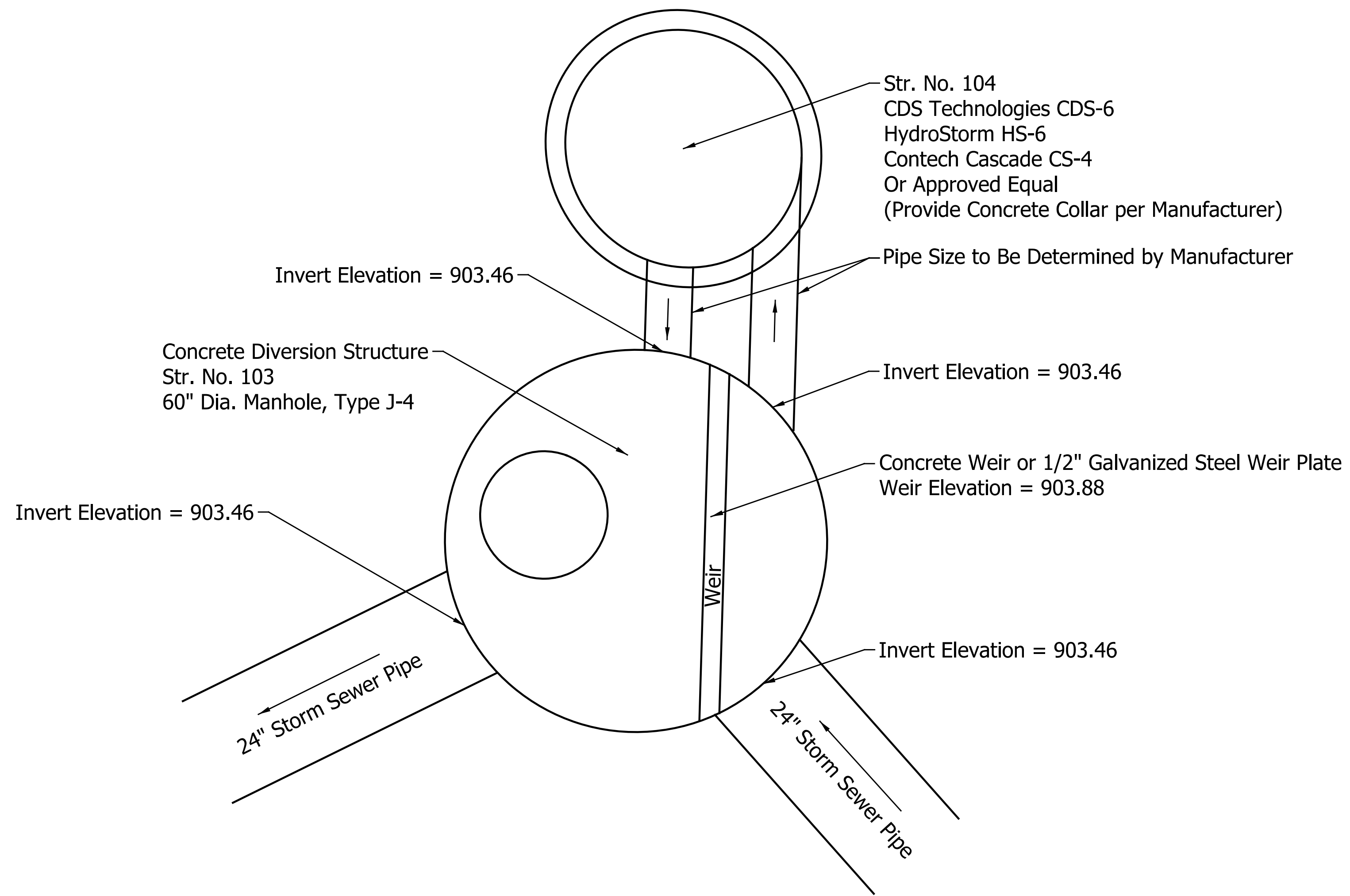
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Jordan A. Bove</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
MISCELLANEOUS DETAILS

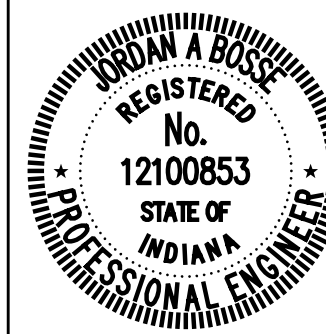
HORIZONTAL SCALE	BRIDGE FILE
1/2"=1'-0", UNLESS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	5 of 56
CONTRACT	PROJECT
N/A	2205FFE



STORMWATER BMP OFF-LINE GEOMETRY
Scale: 3/4" = 1'

NOTES:
 -Refer to INDOT Standard Drawing E 720-MHST-05 for Additional Information
 -Dimensions of Manhole, Type J-4 Not Provided. Manhole Shall be Consistent with E 720-MHST-05.
 -Contractor Shall be Responsible for Structural Design of Manhole, Type J-4 for any Modifications from Standards.

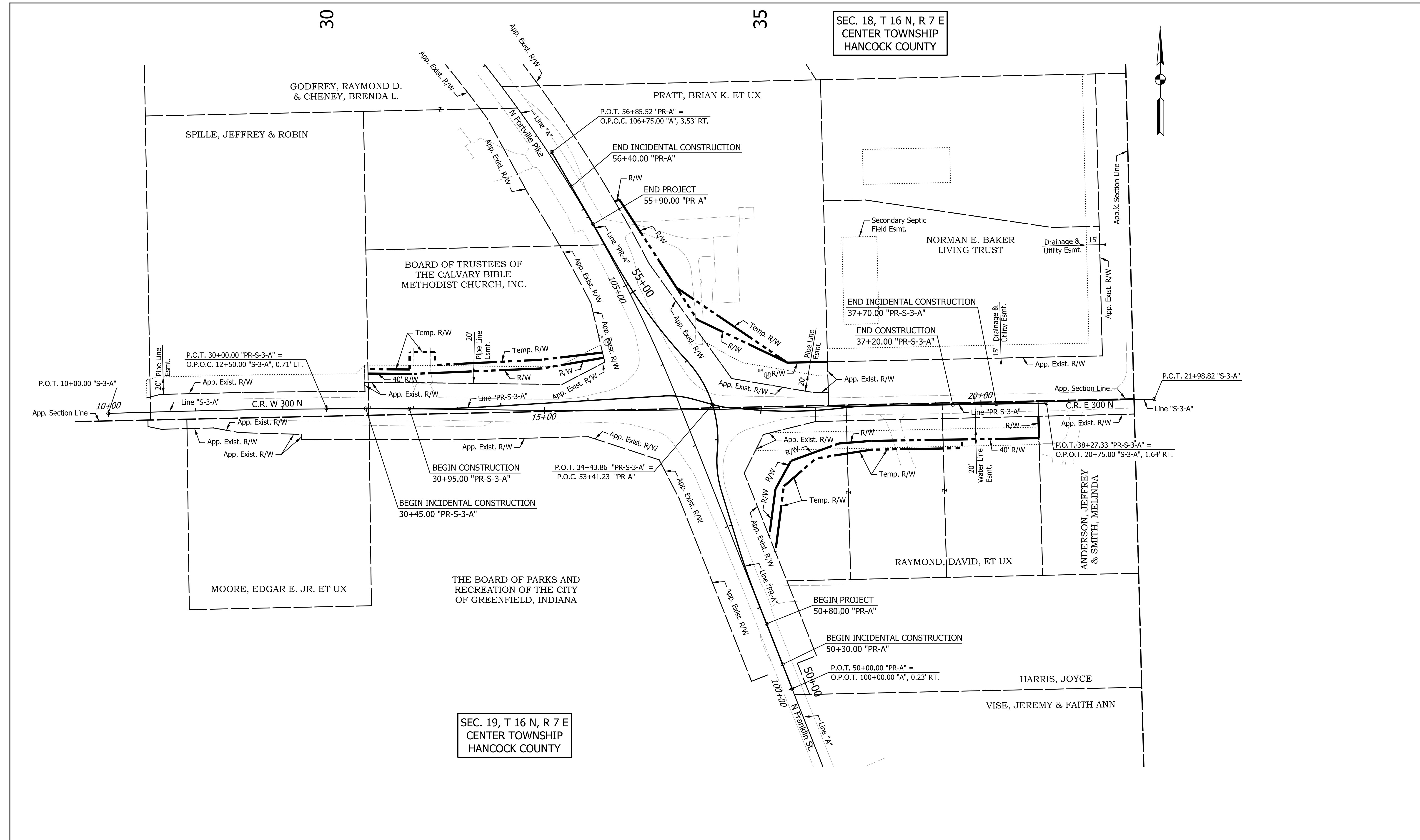
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	6/07/2024
DESIGNED:	JLH	DRAWN:
CHECKED:	JAB	CHECKED:
		JAB

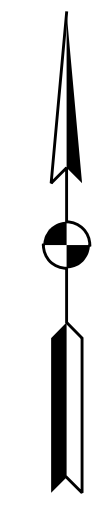
CITY OF GREENFIELD	
STORMWATER TREATMENT STRUCTURE DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
	2205FFE
SURVEY BOOK	SHEETS
N/A	6 of 56
CONTRACT	PROJECT
N/A	2205FFE

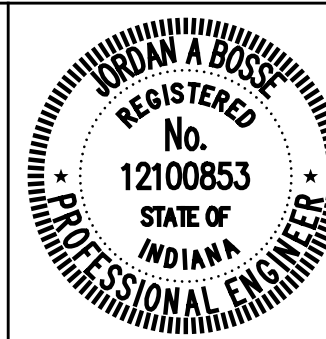


SEC. 18, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

SEC. 19, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY



DATE	REVISION

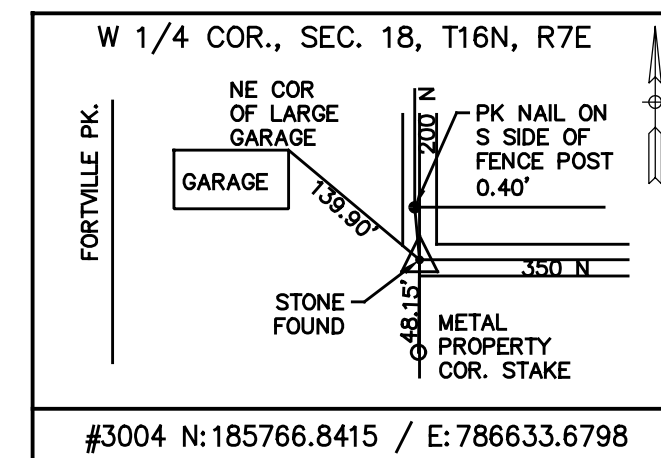
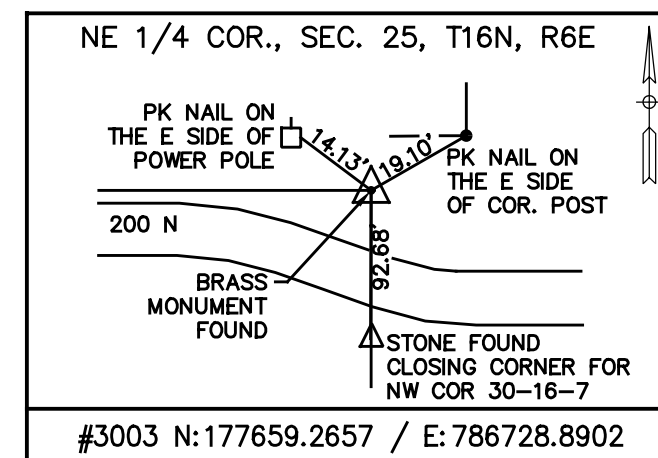
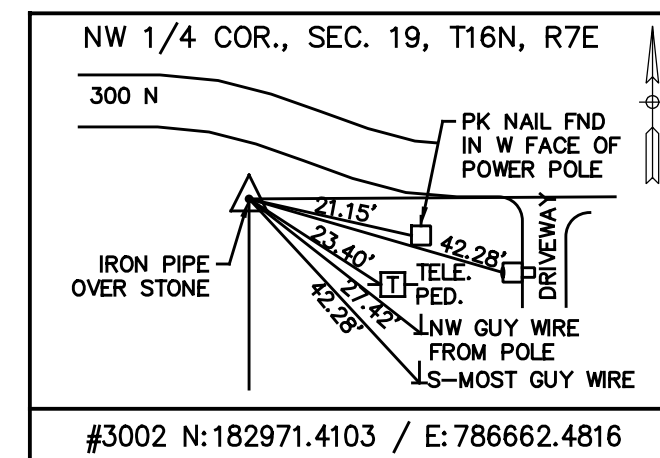
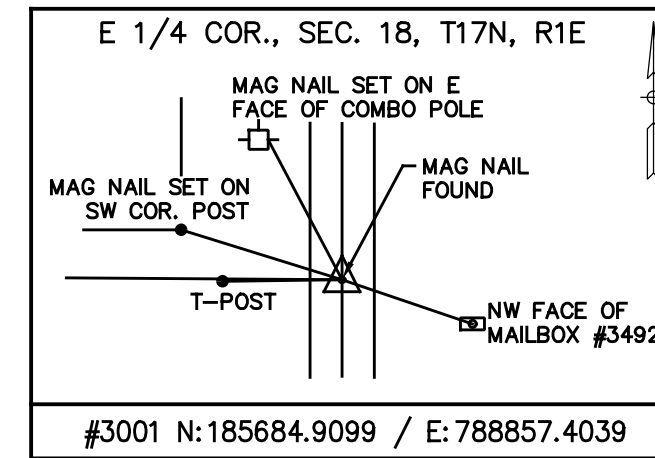
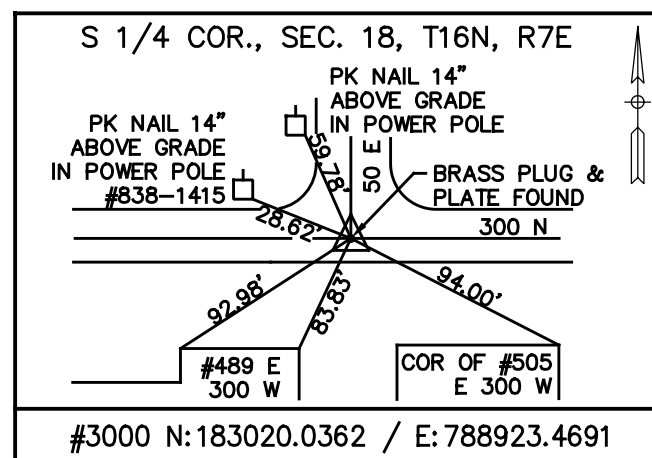
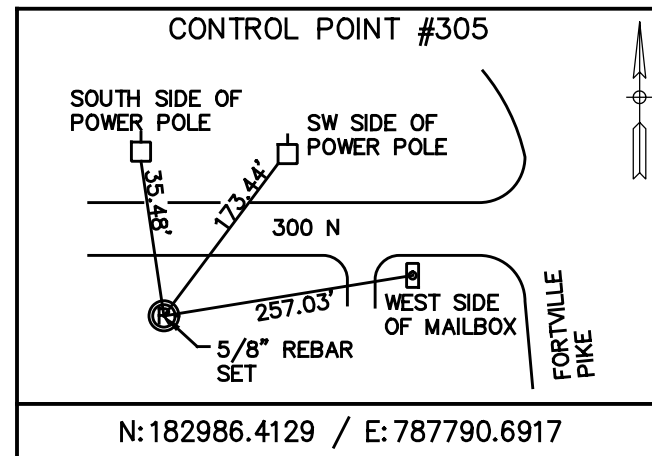
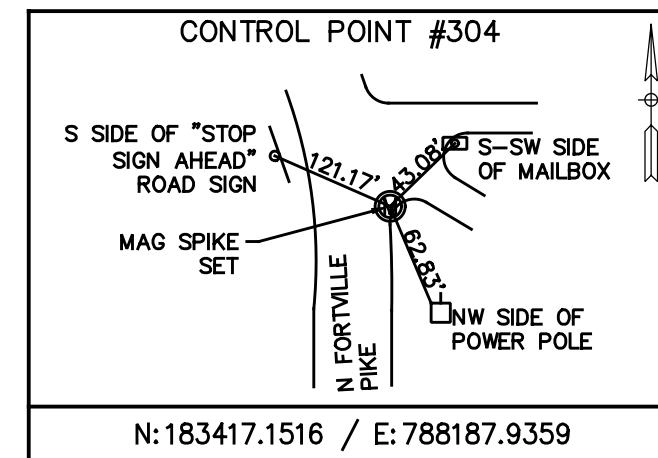
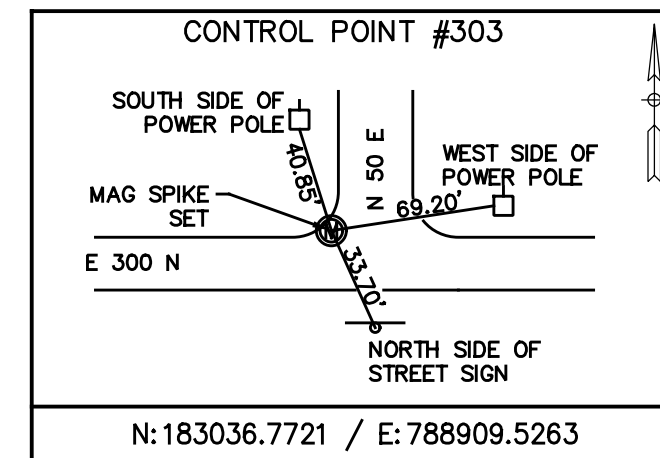
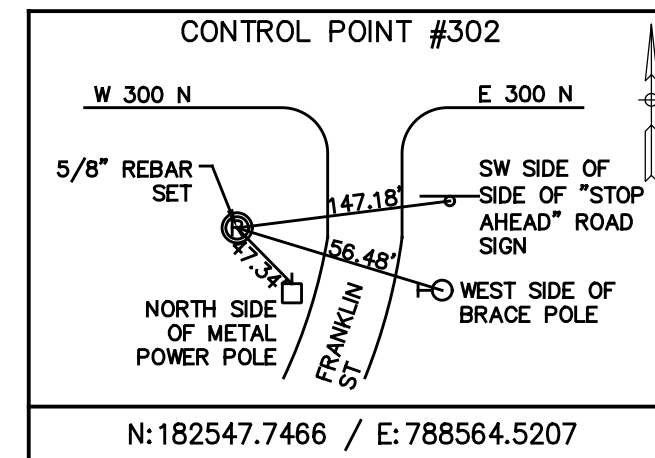
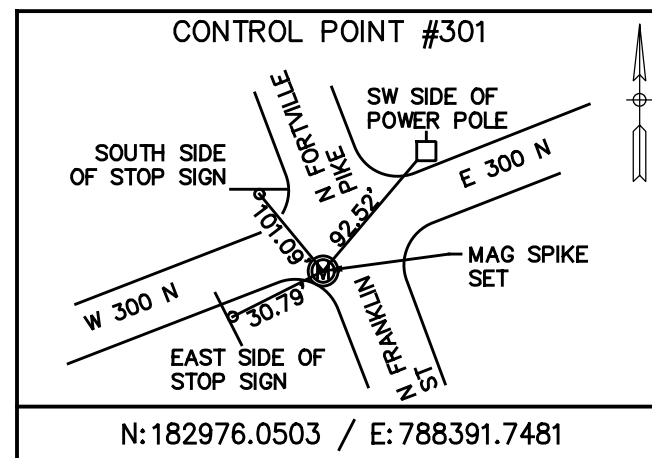


RECOMMENDED FOR APPROVAL	<i>Jordan Bose</i>	6/07/2024
DESIGNED:	JLH	DRAWN:
CHECKED:	JAB	CHECKED:
		JAB

CITY OF GREENFIELD

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	7 of 56
CONTRACT	PROJECT
N/A	2205FFE



BENCHMARK INFORMATION (NAVD 88 DATUM)

BENCHMARK ELEVATIONS WERE ESTABLISHED FROM GPS OBSERVATIONS ON THE IDENTIFIED BASE STATION DESCRIBED WITHIN. AN NGS OPUS SOLUTION (FILE #20-04752680) WAS OBTAINED AND USED TO CONTROL THE PROJECT'S VERTICAL DATUM. THE ELEVATIONS WERE THEN TRANSFERRED TO THE SITE USING DIFFERENTIAL LEVELING.

TBM #30
CHISELED "X" ON THE W BOLT OF A FIRE HYDRANT ON THE SOUTH SIDE OF CR 300 & ±125' E OF RES# 287.
ELEV: 907.53'

TBM #31
MAG SPIKE SET IN THE EAST FACE OF A POWER POLE, ±40' WEST OF FORTVILLE PIKE & ±200' SOUTH OF CR 300.
ELEV: 904.77'

TBM #32
MAG SPIKE SET IN THE SOUTH FACE OF A COMBO POLE, ±40' NORTH OF CR 300 & ±150' EAST OF FORTVILLE PIKE.
ELEV: 908.59'

TBM #33
MAG SPIKE SET IN THE WEST FACE OF A POWER POLE, ±40' EAST OF FORTVILLE PIKE & ±180' NORTH OF CR 300.
ELEV: 915.21'

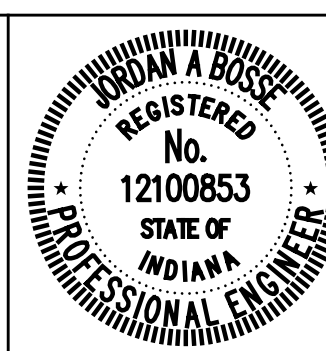
CHAIN	STATION	NORTHING	EASTING
"A"	P.O.T. 98+00.00	182,501.738	788,605.2314
	P.C. 103+54.89	183,017.6989	788,401.049
	P.I. 106+19.49	183,263.7281	788,303.6873
	P.T. 108+78.96	183,463.1486	788,129.7876
	P.O.T. 111+08.42	183,636.0893	787,978.9792

CHAIN	STATION	NORTHING	EASTING
"S-3-A"	P.O.T. 10+00.00	183,003.3571	787,748.2689
	P.C. 10+59.96	183,005.137	787,808.1994
	P.I. 12+41.92	183,010.5388	787,990.0823
	P.T. 14+23.82	183,007.6654	788,172.0227
	P.C. 14+24.90	183,007.6483	788,173.1026
	P.I. 15+82.24	183,005.1638	788,330.4199
	P.T. 17+39.53	183,008.8667	788,487.7132
	P.O.T. 21+98.82	183,019.6759	788,946.8691

CHAIN	STATION	NORTHING	EASTING
"PR-A"	P.O.T. 50+00.00	182,687.7887	788,531.8485
	P.C. 51+12.21	182,792.1923	788,490.7277
	P.I. 51+43.72	182,821.5065	788,479.182
	P.T. 51+75.19	182,851.6271	788,469.9423
	P.C. 52+40.57	182,914.1297	788,450.7693
	P.I. 52+64.50	182,937.0091	788,443.7509
	P.R.C. 52+87.81	182,960.8305	788,446.0461
	P.I. 53+47.24	183,019.9863	788,451.7457
	P.R.C. 53+99.55	183,063.5994	788,411.3752
	P.I. 54+67.19	183,113.2408	788,365.4246
	P.T. 55+34.27	183,171.867	788,331.6801
	P.O.T. 56+85.52	183,302.9583	788,256.2257

CHAIN	STATION	NORTHING	EASTING
"PR-S-3-A"	P.O.T. 30+00.00	183,009.2319	787,998.2037
	P.C. 31+02.14	183,008.6793	788,100.3455
	P.I. 31+42.19	183,008.4626	788,140.3878
	P.T. 31+82.20	183,010.8895	788,180.3571
	P.C. 33+87.04	183,023.3041	788,384.8227
	P.I. 34+03.59	183,024.3068	788,401.3364
	P.T. 34+19.83	183,019.9375	788,417.2932
	P.C. 34+46.61	183,012.8669	788,443.1153
	P.I. 34+55.97	183,010.3937	788,452.1474
	P.T. 34+65.28	183,009.6405	788,461.4816
	P.C. 34+92.18	183,007.4771	788,488.2902
	P.I. 35+42.87	183,003.3992	788,538.8237
	P.R.C. 35+93.23	183,009.5478	788,589.1473
	P.I. 36+09.64	183,011.5386	788,605.4416
	P.T. 36+26.03	183,011.8086	788,621.8548
	P.O.T. 38+27.33	183,015.1193	788,823.1253

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* DESIGN ENGINEER 6/07/2024 DATE

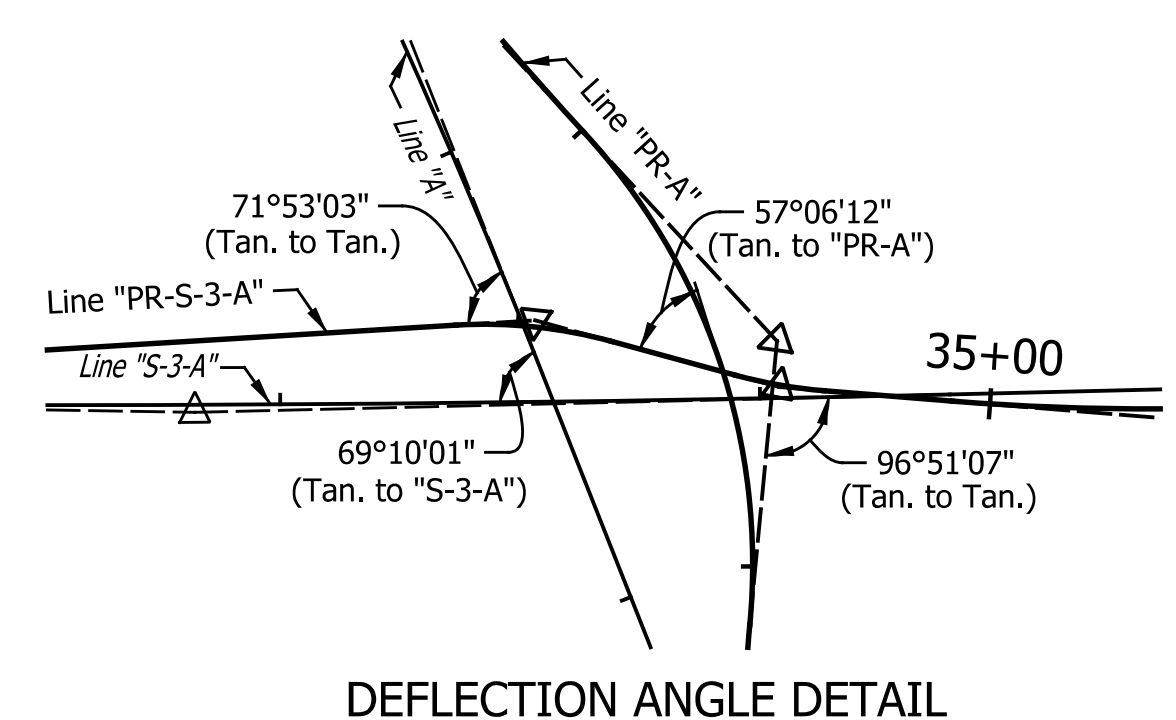
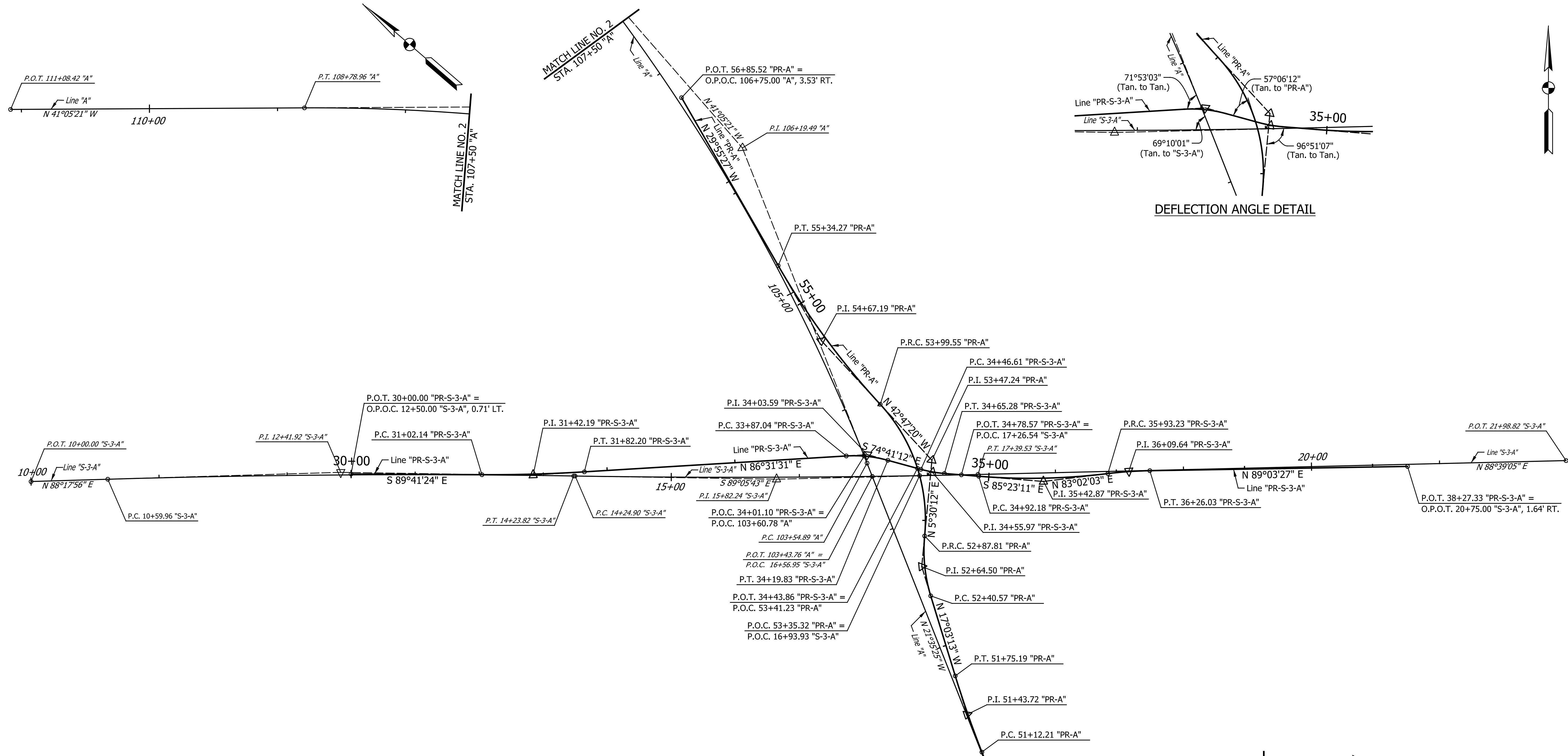
DESIGNED: JLH DRAWN: RJC

CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

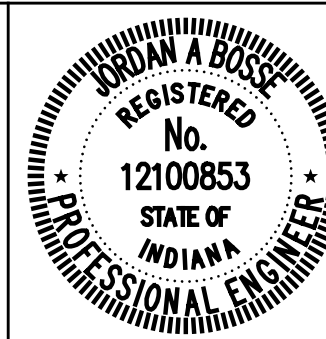
REFERENCE POINTS

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	8 of 56
CONTRACT	PROJECT
N/A	2205FFE



<p>CURVE DATA P.I. = 106+19.49 "A" $\Delta = 19^\circ 29' 56.10"$ (LT) T = 264.59' L = 524.07' R = 1,539.93' E = 22.57'</p>	<p>CURVE DATA P.I. = 12+41.92 "S-3-A" $\Delta = 2^\circ 36' 21.53"$ (RT) T = 181.96' L = 363.86' R = 8,000.00' E = 2.07'</p>	<p>CURVE DATA P.I. = 15+82.24 "S-3-A" $\Delta = 2^\circ 15' 12.22"$ (LT) T = 157.34' L = 314.63' R = 8,000.00' E = 1.55'</p>	<p>CURVE DATA P.I. = 31+42.19 "PR-S-3-A" $\Delta = 3^\circ 47' 04.49"$ (LT) T = 40.04' L = 80.06' R = 1,212.00' E = 0.66' S.E. = N.C.</p>	<p>CURVE DATA P.I. = 34+03.59 "PR-S-3-A" $\Delta = 18^\circ 47' 16.74"$ (RT) T = 16.54' L = 32.79' R = 100.00' E = 1.36' S.E. = N.C.</p>	<p>CURVE DATA P.I. = 34+55.97 "PR-S-3-A" $\Delta = 10^\circ 41' 59.27"$ (LT) T = 9.36' L = 18.67' R = 100.00' E = 0.44' S.E. = N.C.</p>	<p>CURVE DATA P.I. = 34+55.97 "PR-S-3-A" $\Delta = 10^\circ 41' 59.27"$ (LT) T = 9.36' L = 18.67' R = 100.00' E = 0.44' S.E. = N.C.</p>	<p>CURVE DATA P.I. = 35+42.87 "PR-S-3-A" $\Delta = 11^\circ 34' 46.22"$ (LT) T = 50.70' L = 101.05' R = 500.00' E = 2.56' S.E. = N.C.</p>	<p>CURVE DATA P.I. = 36+09.64 "PR-S-3-A" $\Delta = 6^\circ 01' 24.72"$ (RT) T = 16.42' L = 32.80' R = 312.00' E = 0.43' S.E. = N.C.</p>
---	--	--	--	---	--	--	--	--

DATE	REVISION



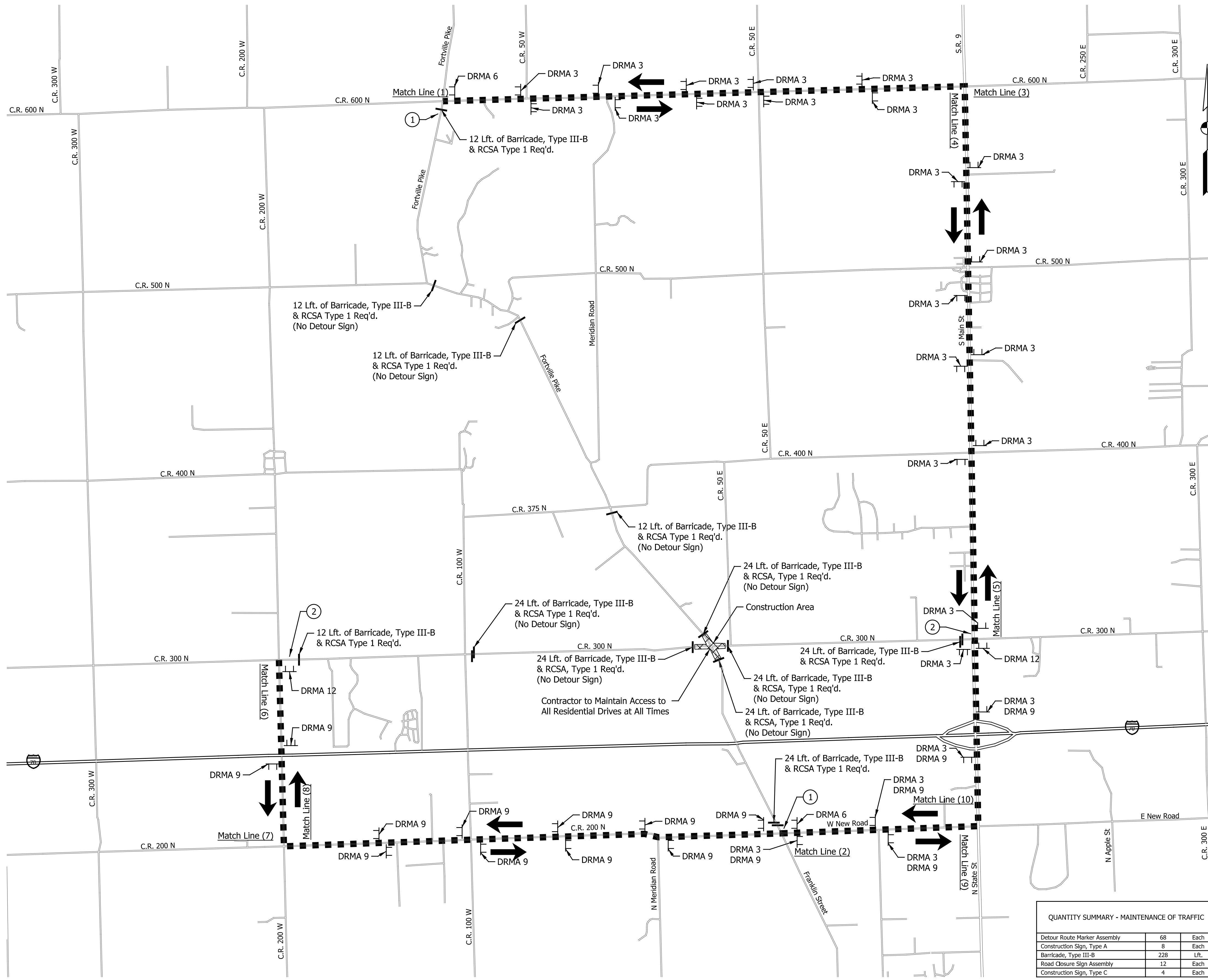
RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
DESIGN ENGINEER
6/07/2024 DATE

DESIGNED: JLH DRAWN: RJC
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

GEOMETRIC TIE-UP DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1"=40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	9 of 56
CONTRACT	PROJECT
N/A	2205FFE



DETOUR Fortville Pike	DETOUR Fortville Pike	DETOUR Fortville Pike	DETOUR Fortville Pike	DETOUR Fortville Pike	END Fortville Pike
DRMA 1 XM 4-8 XD 3-1 M 5-1 (L)	DRMA 2 XM 4-8 XD 3-1 M 6-1 (L)	DRMA 3 XM 4-8 XD 3-1 M 6-3 (S)	DRMA 4 XM 4-8 XD 3-1 M 6-1 (R)	DRMA 5 XM 4-8 XD 3-1 M 5-1 (R)	DRMA 6 XM 4-6 XM 4-8 XD 3-1
DETOUR CR 300 N	DETOUR CR 300 N	DETOUR CR 300 N	DETOUR CR 300 N	DETOUR CR 300 N	END CR 300 N
DRMA 7 XM 4-8 XD 3-1 M 5-1 (L)	DRMA 8 XM 4-8 XD 3-1 M 6-1 (L)	DRMA 9 XM 4-8 XD 3-1 M 6-3 (S)	DRMA 10 XM 4-8 XD 3-1 M 6-1 (R)	DRMA 11 XM 4-8 XD 3-1 M 5-1 (R)	DRMA 12 XM 4-6 XM 4-8 XD 3-1

DETOUR AHEAD
 XW20-2
 (48"x48")

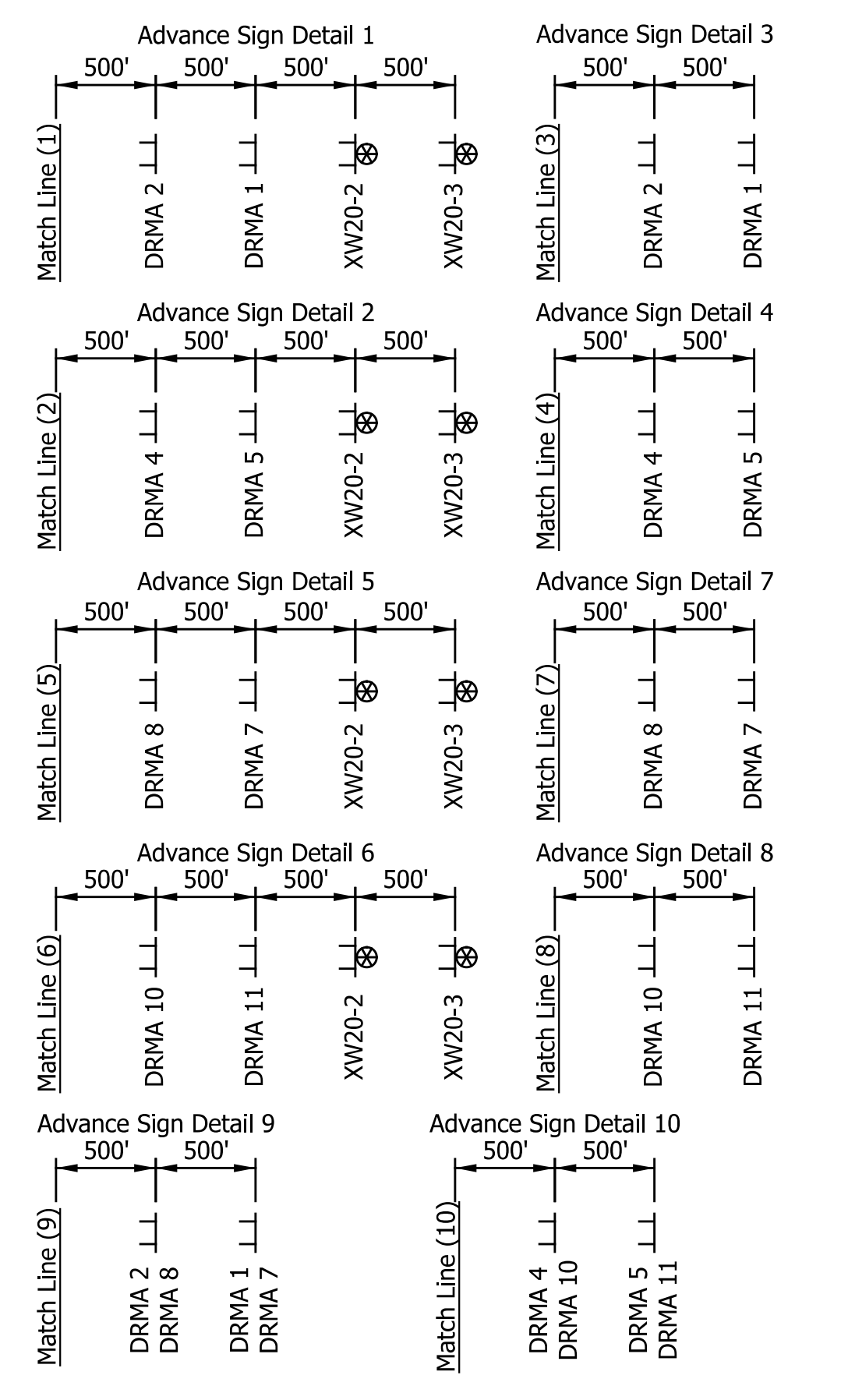
ROAD CLOSED AHEAD
 XW20-3
 (48"x48")

FORTVILLE PIKE CLOSED AT 300 N LOCAL TRAFFIC ONLY
 R11-3a Mod.
 (60" x 30")
 ①

CR 300 N CLOSED AT FORTVILLE PIKE LOCAL TRAFFIC ONLY
 R11-3a Mod.
 (60" x 30")
 ②

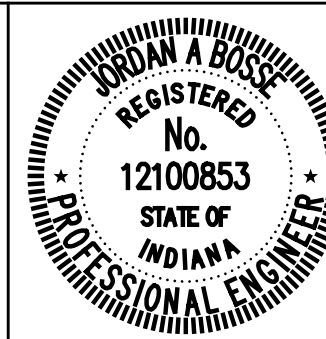
ROAD CLOSED TO THRU TRAFFIC

 RCSA, Type 1
 R11-4
 XM 4-10 (L/R)
 (48"x18")



Item	Quantity	Unit
Detour Route Marker Assembly	68	Each
Construction Sign, Type A	8	Each
Barricade, Type III-B	228	Lft.
Road Closure Sign Assembly	12	Each
Construction Sign, Type C	4	Each

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Josh Bose*
 DESIGN ENGINEER
 DATE: 6/07/2024

DESIGNED: JLH DRAWN: RJC
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

**DETOUR PLAN
FORTVILLE PIKE & 300 N**

HORIZONTAL SCALE	BRIDGE FILE
1" = 1500'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	10 of 56
CONTRACT	PROJECT
N/A	2205FFE

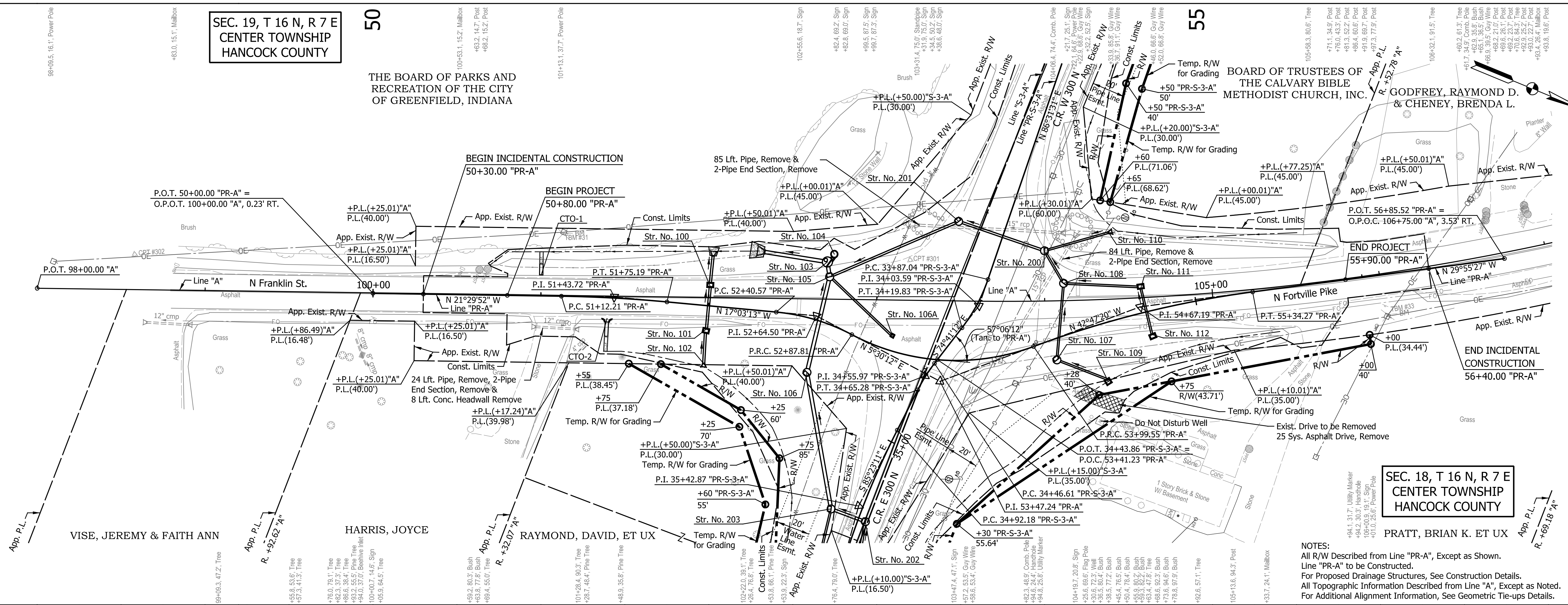
SEC. 19, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

50

55

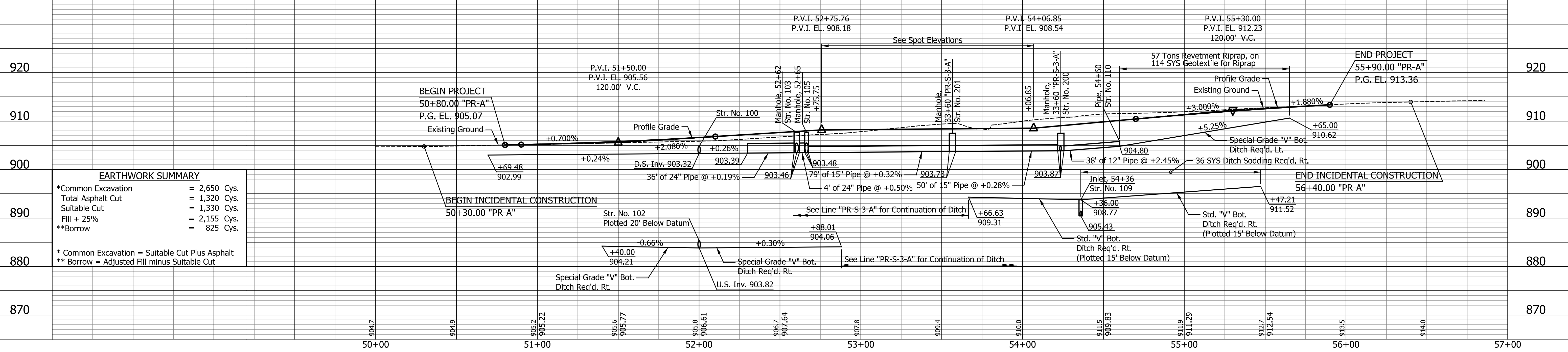
THE BOARD OF PARKS AND RECREATION OF THE CITY OF GREENFIELD, INDIANA

BOARD OF TRUSTEES OF THE CALVARY BIBLE METHODIST CHURCH, INC.
GODFREY, RAYMOND D. & CHENEY, BRENDA L.



SEC. 18, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY
PRATT, BRIAN K. ET UX

NOTES:
All R/W Described from Line "PR-A", Except as Shown.
Line "PR-A" to be Constructed.
For Proposed Drainage Structures, See Construction Details.
All Topographic Information Described from Line "A", Except as Noted.
For Additional Alignment Information, See Geometric Tie-ups Details.

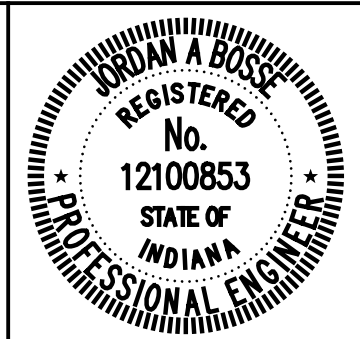


EARTHWORK SUMMARY

*Common Excavation	= 2,650 Cys.
Total Asphalt Cut	= 1,320 Cys.
Suitable Cut	= 1,330 Cys.
Fill + 25%	= 2,155 Cys.
**Borrow	= 825 Cys.

* Common Excavation = Suitable Cut Plus Asphalt
** Borrow = Adjusted Fill minus Suitable Cut

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Josh Bove*
DESIGN ENGINEER
DATE: 6/07/2024

DESIGNED: ASV
DRAWN: RJC

CHECKED: JAB
CHECKED: JAB

CITY OF GREENFIELD
PLAN AND PROFILE
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	2205FFE
SURVEY BOOK	SHEETS
N/A	11 of 56
CONTRACT	PROJECT
N/A	2205FFE

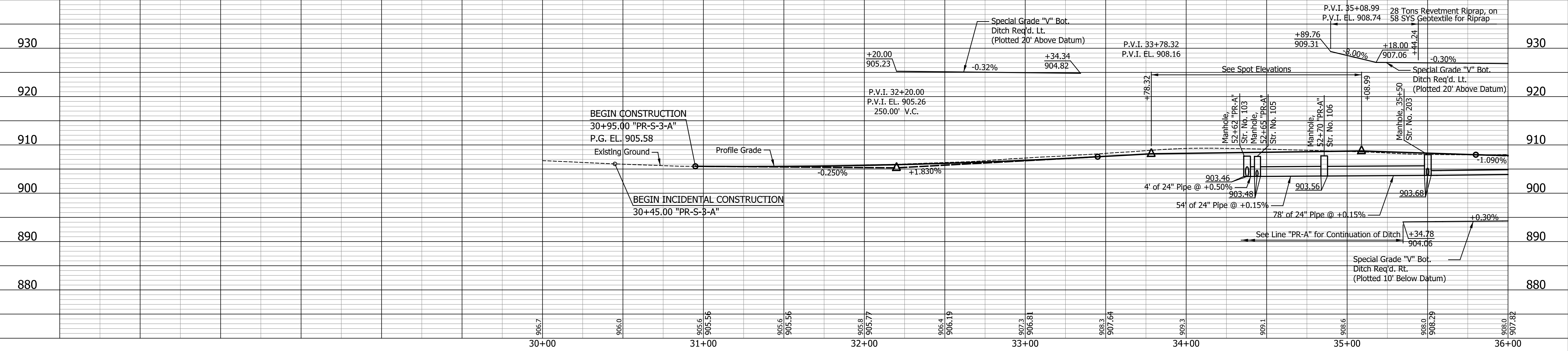
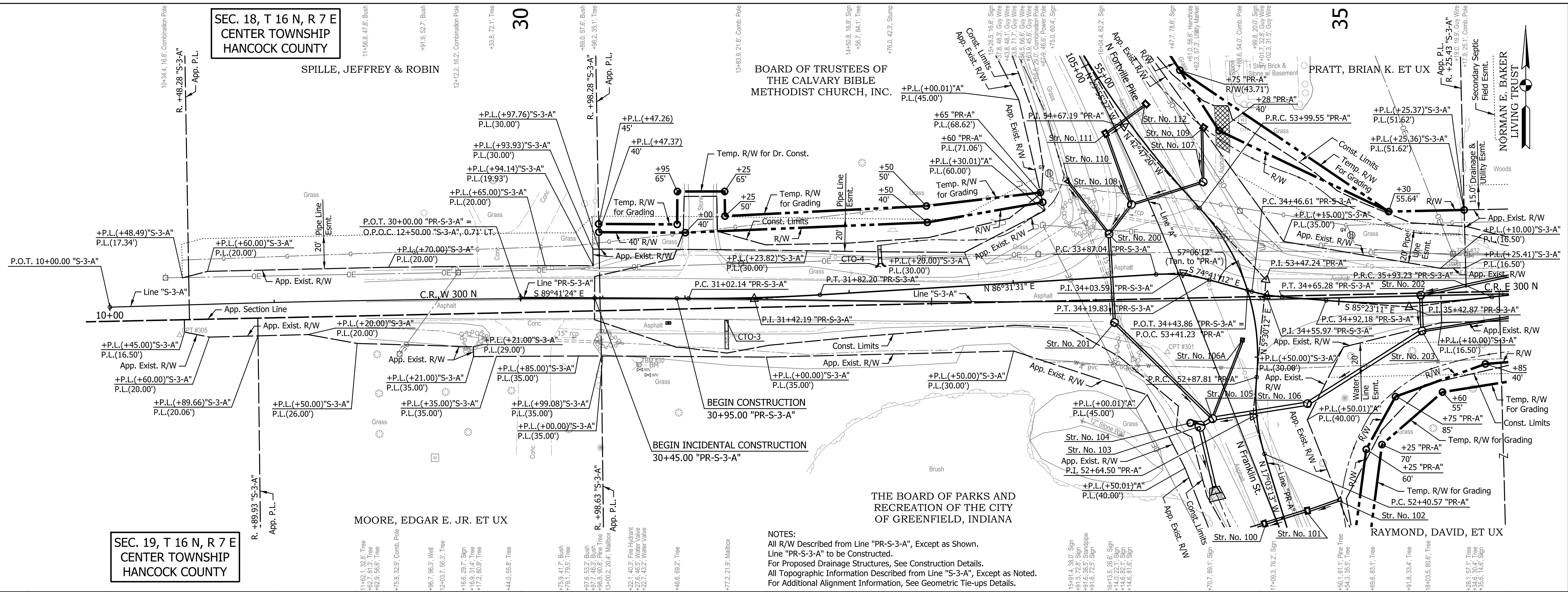
SEC. 18, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

SEC. 19, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

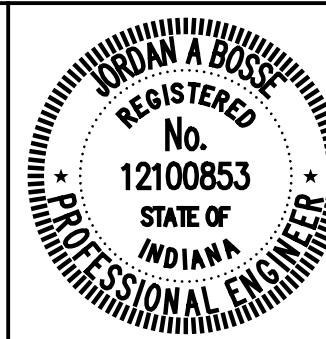
BOARD OF TRUSTEES OF
THE CALVARY BIBLE
METHODIST CHURCH, INC.

THE BOARD OF PARKS AND
RECREATION OF THE CITY
OF GREENFIELD, INDIANA

NOTES:
All R/W Described from Line "PR-S-3-A", Except as Shown.
Line "PR-S-3-A" to be Constructed.
For Proposed Drainage Structures, See Construction Details.
All Topographic Information Described from Line "S-3-A", Except as Noted.
For Additional Alignment Information, See Geometric Tie-ups Details.



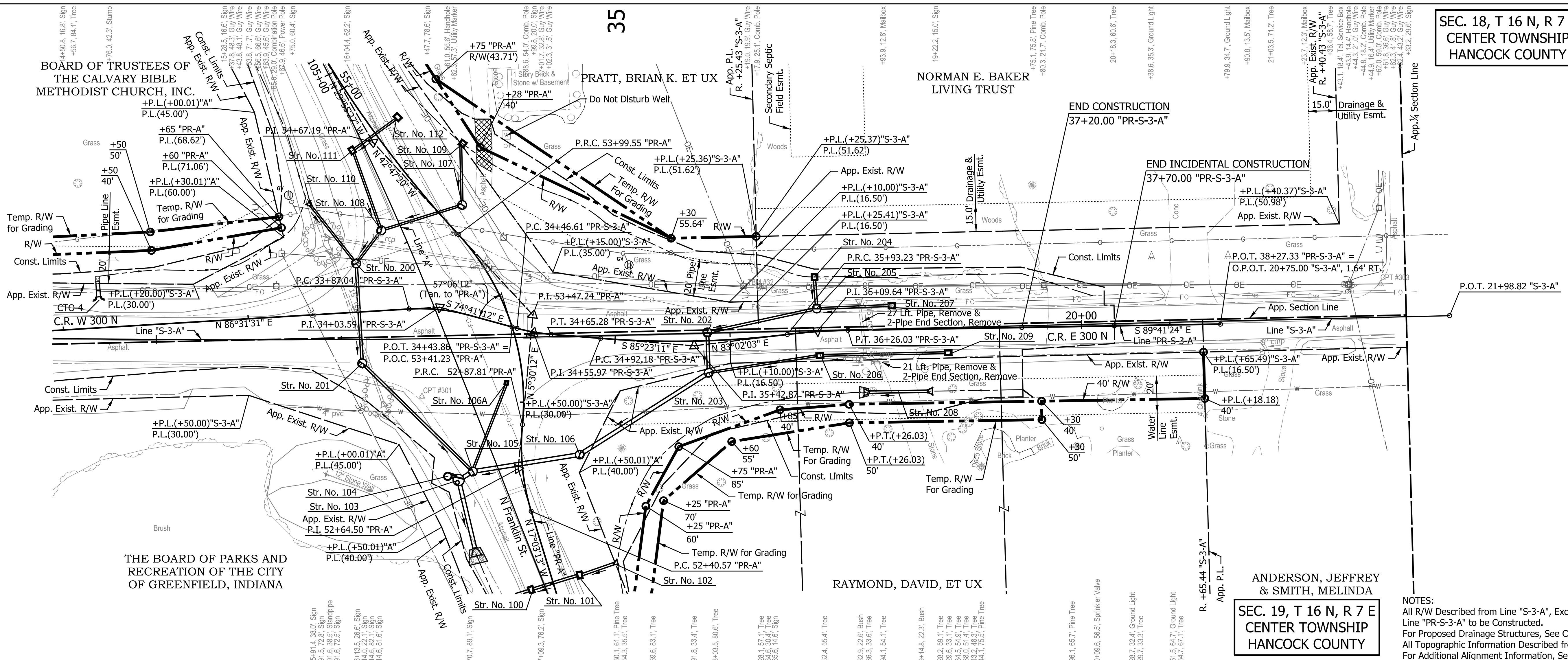
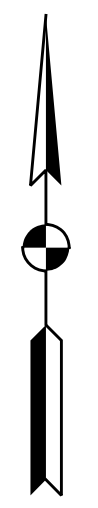
DATE	REVISION



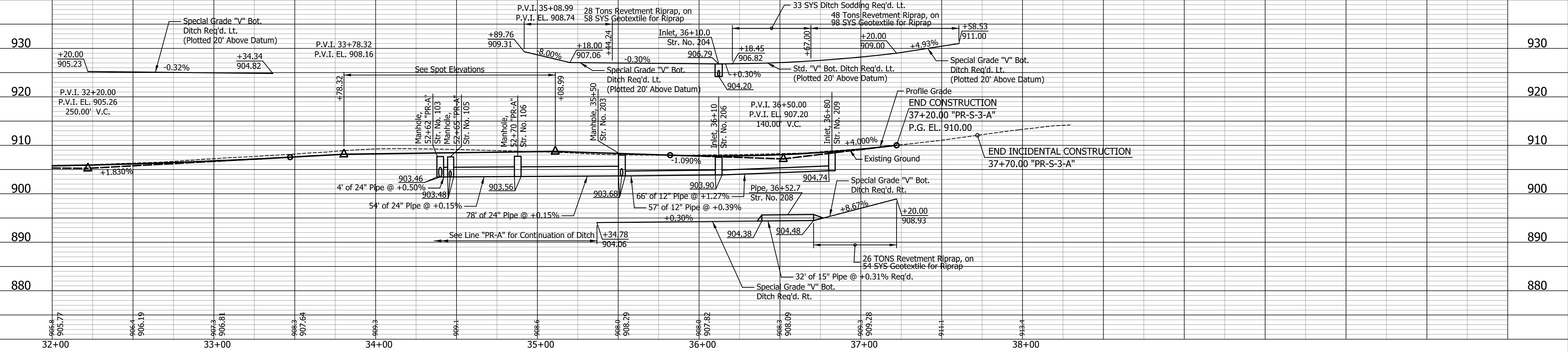
RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
DESIGN ENGINEER: JAB
DATE: 6/07/2024
DESIGNED: ASV DRAWN: RJC
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
PLAN AND PROFILE
LINE "PR-S-3-A"

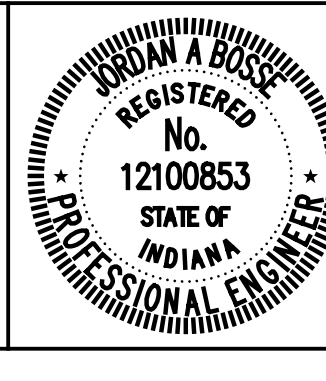
HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	2205FFE
SURVEY BOOK	SHEETS
N/A	12 of 56
CONTRACT	PROJECT
N/A	2205FFE



NOTES:
All R/W Described from Line "S-3-A", Except as Shown.
Line "PR-S-3-A" to be Constructed.
For Proposed Drainage Structures, See Construction Details.
All Topographic Information Described from Line "S-3-A", Except as Noted.
For Additional Alignment Information, See Geometric Tie-ups Details.



DATE	REVISION



RECOMMENDED FOR APPROVAL *Jordan A. Boser* 6/07/2024 DATE
DESIGN ENGINEER

DESIGNED: ASV DRAWN: RJC
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
PLAN AND PROFILE
LINE "PR-S-3-A"

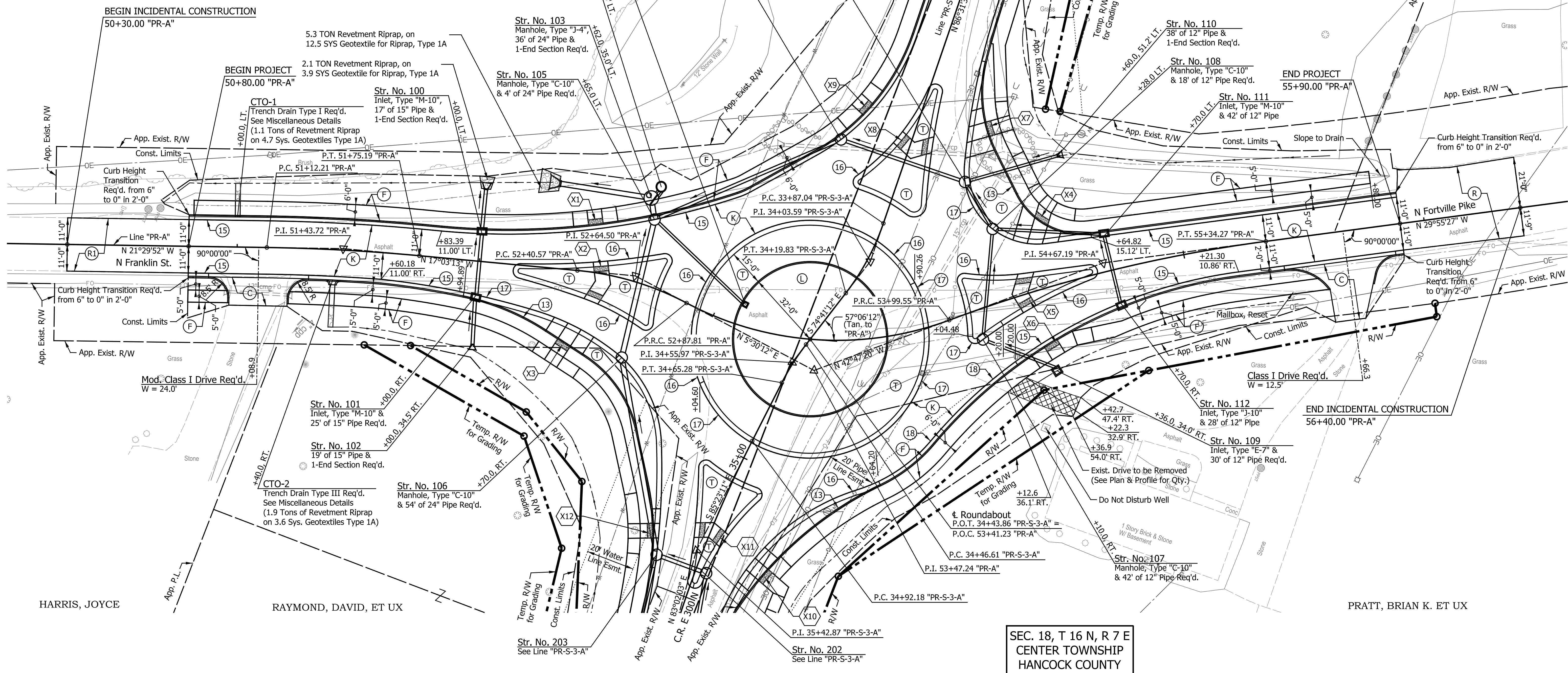
HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 13 of 56
CONTRACT N/A	PROJECT 2205FFE

SEC. 19, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

THE BOARD OF PARKS AND RECREATION OF THE CITY OF GREENFIELD, INDIANA

BOARD OF TRUSTEES OF THE CALVARY BIBLE METHODIST CHURCH, INC.

GODFREY, RAYMOND D. & CHENEY, BRENDA L.

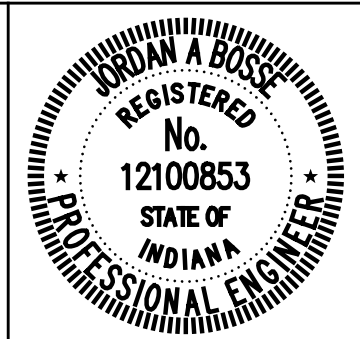


LEGEND

- (C) PCCP For Approaches, 6 in., on Dense Graded Subbase 6 in., on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4 in.
- (D) 6" Compacted Aggregate, No. 53
- (K) Full Depth HMA Pavement (See Typical Sections)
- (R) 165 lbs/sys HMA Surface Type C, on Milling Asphalt, 1.5"
- (R1) 165 lbs/sys HMA Surface Type C, on Variable Depth HMA Intermed., Type C, on Milling Asphalt, 1.5"
- (T) PCCP for Truck Apron (See Typical Sections)
- (13) Straight Concrete Curb, Modified (See Miscellaneous Details)
- (15) Vertical Curb and Gutter (See Miscellaneous Details)
- (16) Concrete Roll Curb & Gutter, Inverted Modified II (See Miscellaneous Details)
- (17) Concrete Roll Curb & Gutter, Modified I (See Miscellaneous Details)
- (18) Inverted Curb and Gutter (See Miscellaneous Details)
- (L) See Landscaping Plans

NOTES:
All Station and Offsets Taken from Line "PR-A", Unless Noted.
All Radii are measured from Front Face of Curb, Except as Shown.
For Additional Alignment Information, See Geometric Tie-ups Details.

DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Jordan Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
CONSTRUCTION DETAILS
LINE "PR-A"

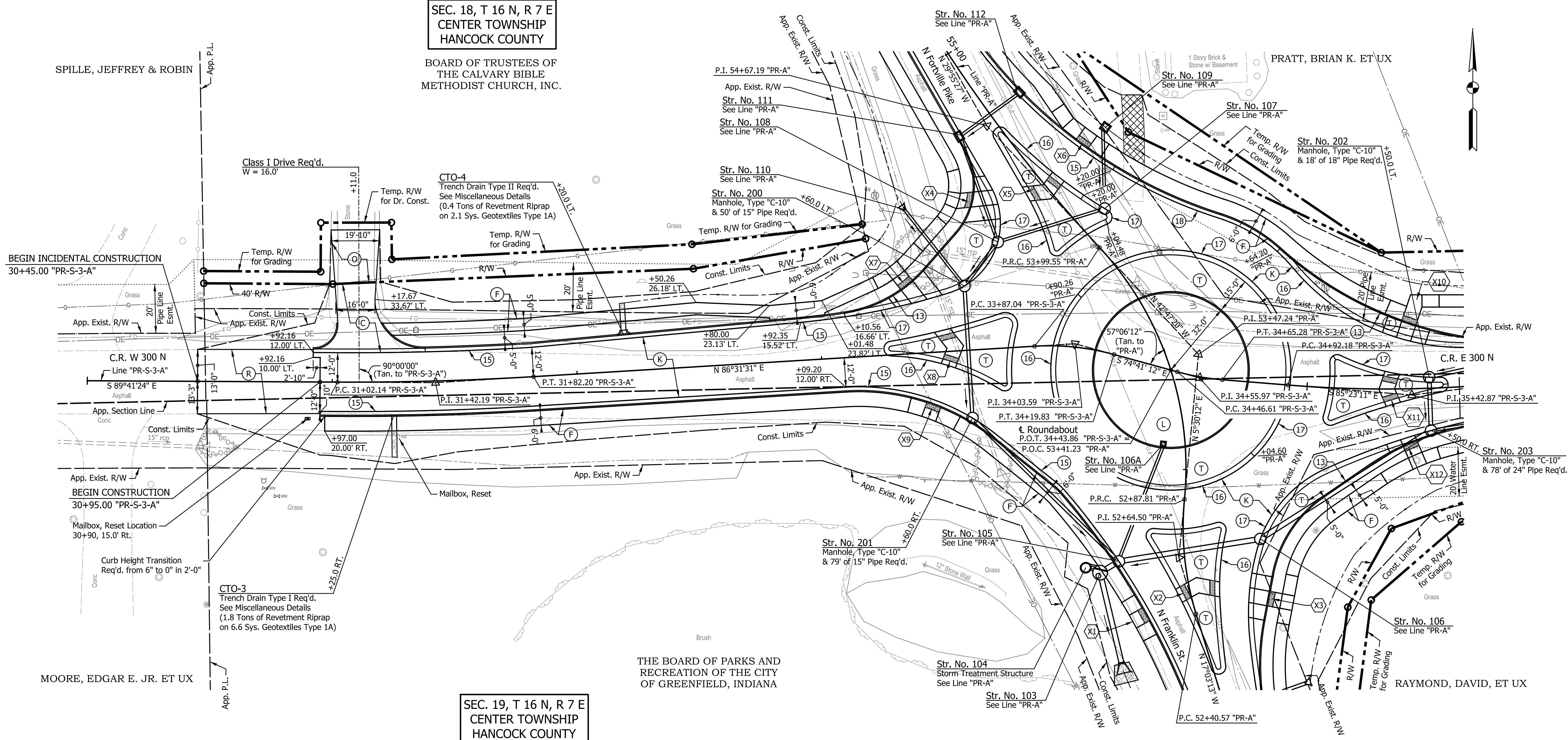
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	14 of 56
CONTRACT	PROJECT
N/A	2205FFE

SEC. 18, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

BOARD OF TRUSTEES OF
THE CALVARY BIBLE
METHODIST CHURCH, INC.

SEC. 19, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

THE BOARD OF PARKS AND
RECREATION OF THE CITY
OF GREENFIELD, INDIANA

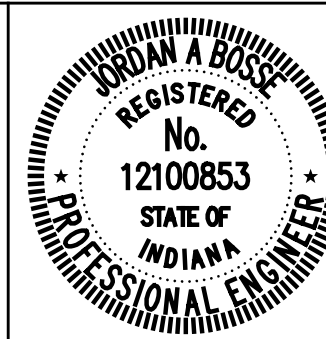


LEGEND

- (C) PCCP For Approaches, 6 in., on Dense Graded Subbase 6 in., on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4 in.
- (O) 6" Compacted Aggregate, No. 53
- (K) Full Depth HMA Pavement (See Typical Sections)
- (R) 165 lbs/sys HMA Surface Type C, on Milling Asphalt, 1.5"
- (R1) 165 lbs/sys HMA Surface Type C, on Variable Depth HMA Intermd., Type C, on Milling Asphalt, 1.5"
- (T) PCCP for Truck Apron (See Typical Sections)
- (13) Straight Concrete Curb, Modified (See Miscellaneous Details)
- (15) Vertical Curb and Gutter (See Miscellaneous Details)
- (16) Concrete Roll Curb & Gutter, Inverted Modified II (See Miscellaneous Details)
- (17) Concrete Roll Curb & Gutter, Modified I (See Miscellaneous Details)
- (18) Inverted Curb and Gutter (See Miscellaneous Details)
- (L) See Landscaping Plans

NOTES:
 All Station and Offsets Taken from Line "PR-S-3-A", Unless Noted.
 All Radii are measured from Front Face of Curb, Except as Shown.
 For Additional Alignment Information, See Geometric Tie-ups Details.

DATE	REVISION

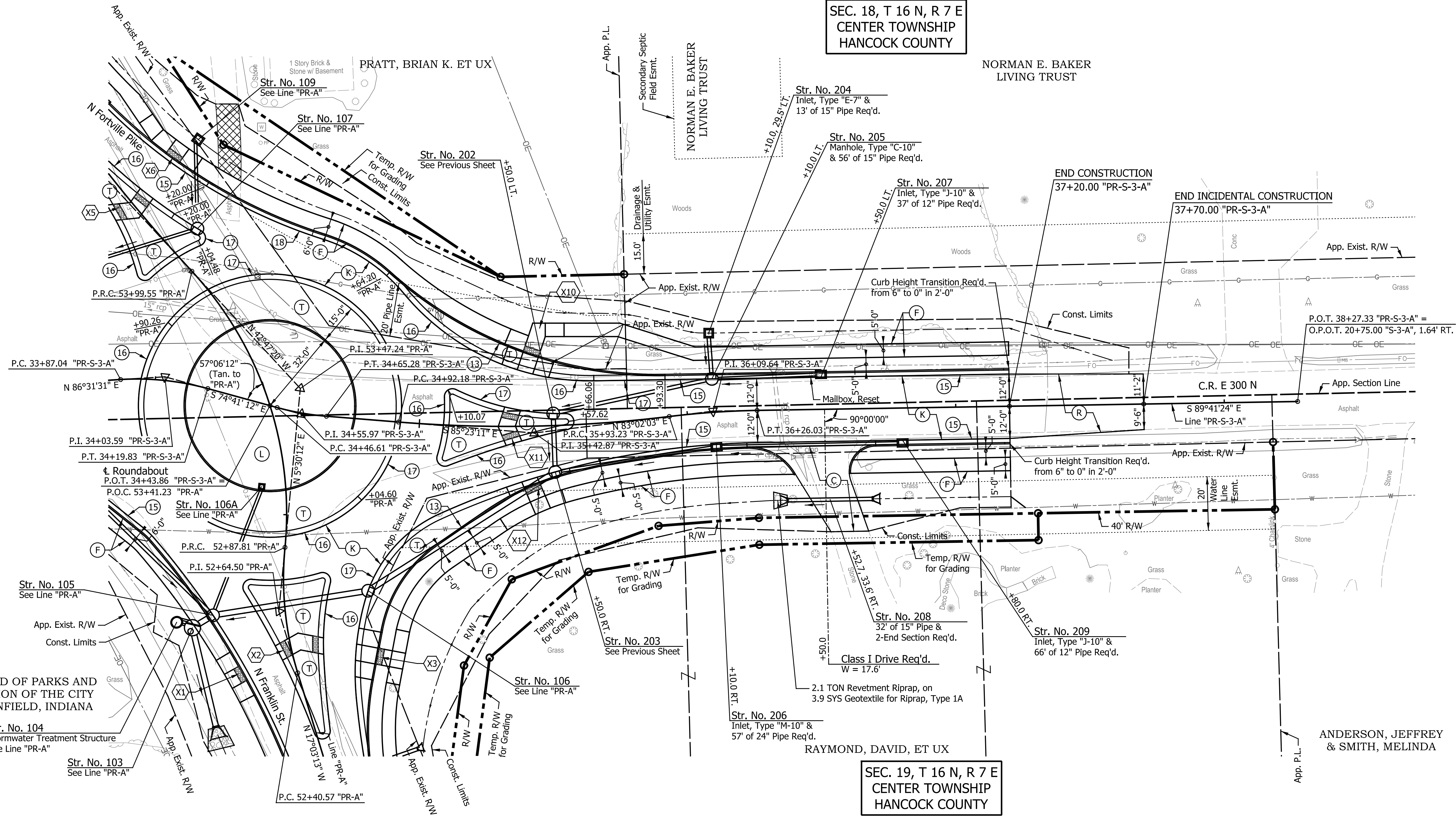


RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
 CONSTRUCTION DETAILS
 LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	15 of 56
CONTRACT	PROJECT
N/A	2205FFE

SEC. 18, T 16 N, R 7 E
CENTER TOWNSHIP
HANCOCK COUNTY

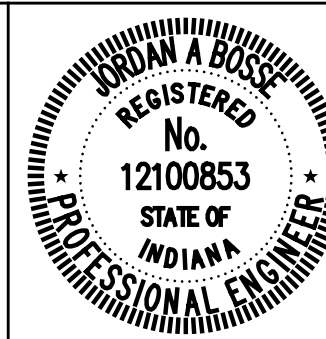


LEGEND

- (C) PCCP For Approaches, 6 in., on Dense Graded Subbase 6 in., on Subgrade Treatment Type II
- (F) Sidewalk, Concrete, 4 in.
- (O) 6" Compacted Aggregate, No. 53
- (K) Full Depth HMA Pavement (See Typical Sections)
- (R) 165 lbs/sys HMA Surface Type C, on Milling Asphalt, 1.5"
- (R1) 165 lbs/sys HMA Surface Type C, on Variable Depth HMA Intermed., Type C, on Milling Asphalt, 1.5"
- (T) PCCP for Truck Apron (See Typical Sections)
- (13) Straight Concrete Curb, Modified (See Miscellaneous Details)
- (15) Vertical Curb and Gutter (See Miscellaneous Details)
- (16) Concrete Roll Curb & Gutter, Inverted Modified II (See Miscellaneous Details)
- (17) Concrete Roll Curb & Gutter, Modified I (See Miscellaneous Details)
- (18) Inverted Curb and Gutter (See Miscellaneous Details)
- (L) See Landscaping Plans

NOTES:
All Station and Offsets Taken from Line "PR-S-3-A", Unless Noted.
All Radii are measured from Front Face of Curb, Except as Shown.
For Additional Alignment Information, See Geometric Tie-ups Details.

DATE	REVISION

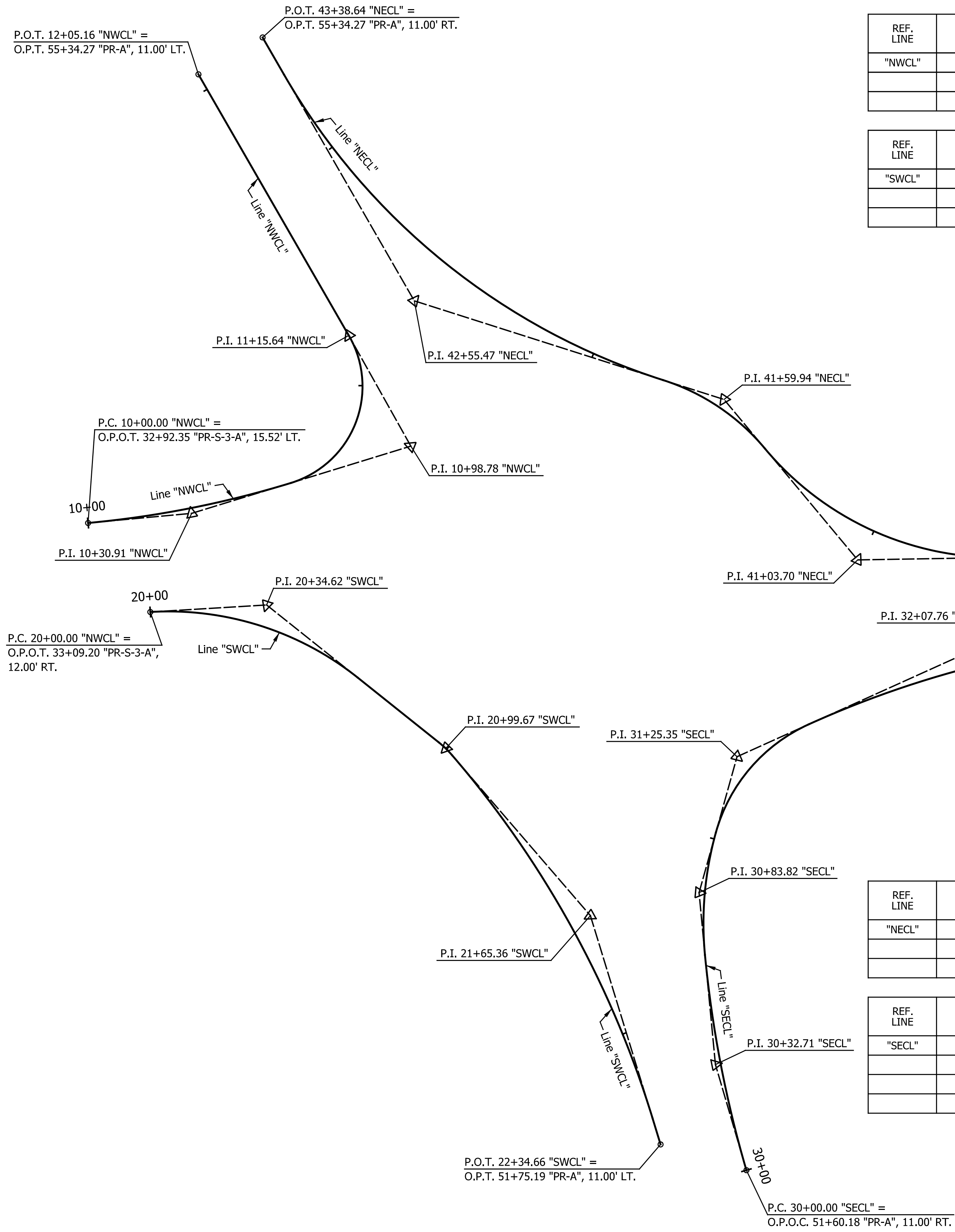


RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
DESIGN ENGINEER
DATE: 6/07/2024

DESIGNED: JLH DRAWN: RJC
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
CONSTRUCTION DETAILS
LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	16 of 56
CONTRACT	PROJECT
N/A	2205FFE



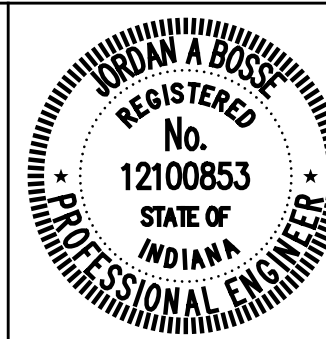
REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"NWCL"	10+30.91	183,035.9192	788,320.1448	11° 45' 59.47" LT	30.91'	61.61'	300.00'	1.59'	P.C. 10+00.00	P.C.C. 10+61.61	N 84° 41' 35.88" E	N 72° 55' 36.41" E
	10+98.78	183,055.9086	788,385.2297	102° 11' 20.00" LT	37.17'	53.51'	30.00'	17.77'	P.C.C. 10+61.61	P.C.C. 11+15.12	N 72° 55' 36.41" E	N 29° 15' 43.59" W
	11+15.64	183,088.7908	788,366.8057	00° 39' 43.38" LT	0.52'	1.04'	90.00'	0.00'	P.C.C. 11+15.12	P.T. 11+16.16	N 29° 15' 43.59" W	N 29° 55' 26.97" W

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"SWCL"	20+34.62	183,008.7063	788,342.4010	42° 04' 33.51" RT	34.62'	66.09'	90.00'	6.43'	P.C. 20+00.00	P.T. 20+66.09	N 86° 31' 31.47" E	S 51° 23' 55.02" E
	20+99.67	182,966.1596	788,395.6956	10° 39' 36.74" RT	2.80'	5.58'	300.00'	0.13'	P.C. 20+96.87	P.C.C. 21+02.45	S 51° 23' 55.02" E	S 40° 44' 18.28" E
	21+65.36	182,916.3761	788,438.5743	23° 41' 04.98" RT	62.90'	124.01'	300.00'	6.52'	P.C.C. 21+02.45	P.T. 22+26.47	S 40° 44' 18.28" E	S 17° 03' 13.30" E

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"NECL"	41+03.70	183,022.1015	788,517.9727	51° 08' 54.01" RT	43.07'	80.34'	90.00'	9.78'	P.C. 40+60.63	P.R.C. 41+40.97	S 89° 03' 27.44" W	N 39° 47' 38.55" W
	41+59.94	183,069.7687	788,478.2663	32° 32' 07.01" LT	18.97'	36.91'	65.00'	2.71'	P.R.C. 41+40.97	P.R.C. 41+77.88	N 39° 47' 38.55" W	N 72° 19' 45.56" W
	42+55.47	183,099.0768	788,386.2692	42° 24' 18.59" RT	77.59'	148.02'	200.00'	14.52'	P.R.C. 41+77.88	P.T. 43+25.90	N 72° 19' 45.56" W	N 29° 55' 26.97" W

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"SECL"	30+32.71	182,872.1329	788,475.7337	10° 52' 26.66" RT	32.71'	65.23'	343.70'	1.55'	P.C. 30+00.00	P.C.C. 30+65.23	N 16° 19' 45.06" W	N 5° 27' 18.40" W
	30+83.82	182,923.2075	788,470.8562	21° 03' 59.57" RT	18.59'	36.77'	100.00'	1.71'	P.C.C. 30+65.23	P.C.C. 31+02.00	N 5° 27' 18.40" W	N 15° 36' 41.17" E
	31+25.35	182,963.6043	788,482.1438	50° 03' 55.37" RT	23.35'	43.69'	50.00'	5.18'	P.C.C. 31+02.00	P.C.C. 31+45.69	N 15° 36' 41.17" E	N 65° 40' 36.54" E
	32+07.76	182,998.7893	788,559.9860	23° 22' 50.90" RT	62.07'	122.42'	300.00'	6.35'	P.C.C. 31+45.69	P.T. 32+68.11	N 65° 40' 36.54" E	N 89° 03' 27.44" E

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
 DESIGN ENGINEER
 6/07/2024 DATE

DESIGNED: JLH DRAWN: RJC
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

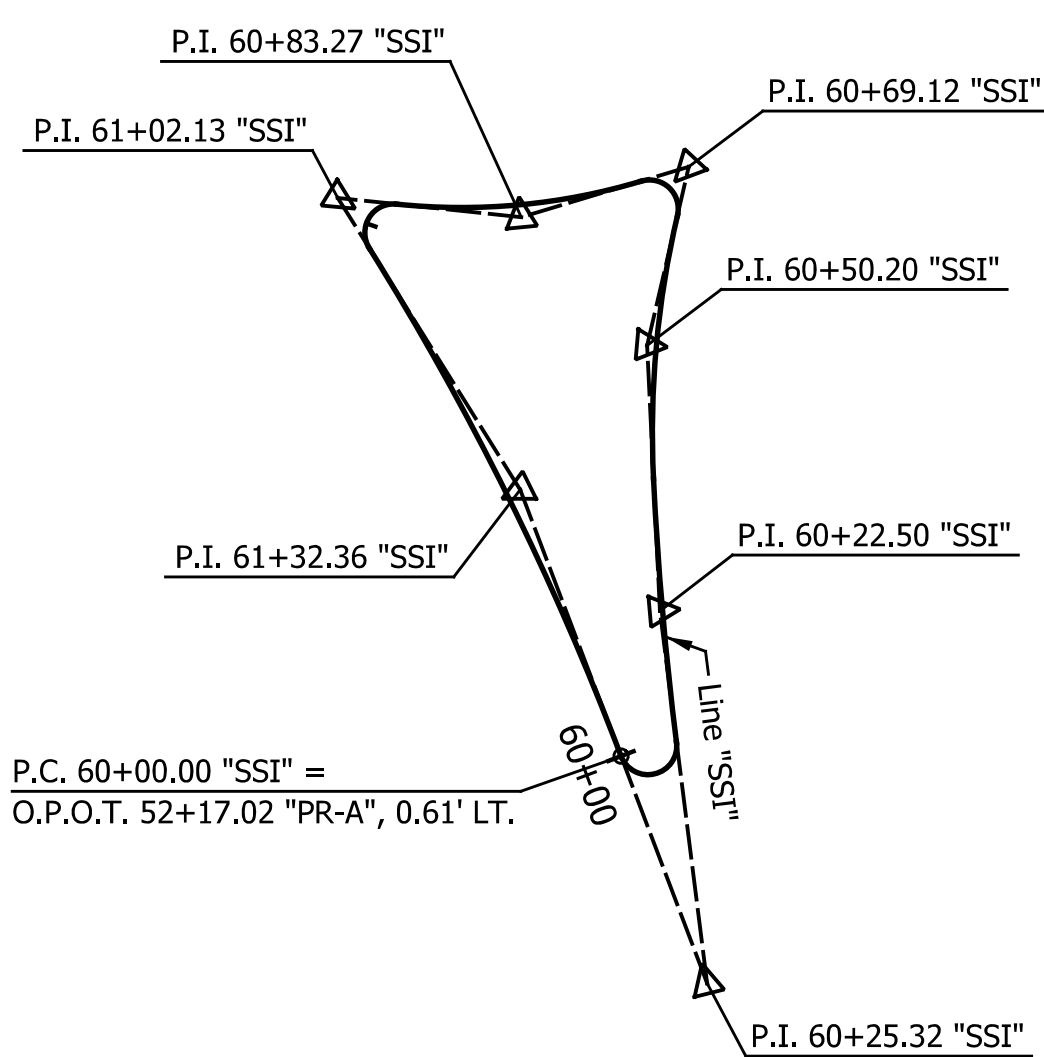
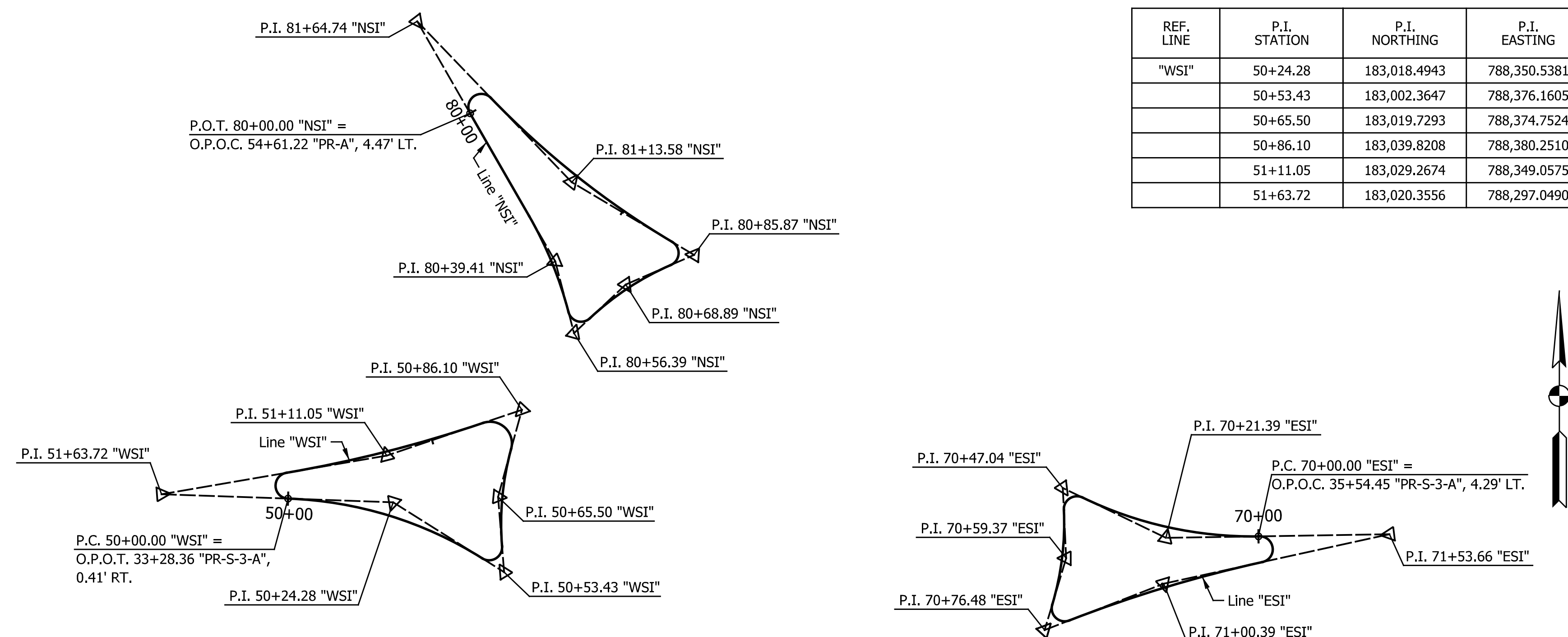
ROUNDABOUT ALIGNMENT PLAN
 OUTSIDE EDGE OF PAVEMENT

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	17 of 56
CONTRACT	PROJECT
N/A	2205FFE

P:\2022\02696\RD.ALN.RAB.01.dgn
 7/16/2024 9:28:40 AM

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"NSI"	80+39.41	183,074.0919	788,387.9582	15° 17' 21.53" RT	12.08'	24.02'	90.00'	0.81'	P.C. 80+27.33	P.R.C. 80+51.34	S 29° 55' 26.97" E	S 14° 38' 05.44" E
	80+56.39	183,057.5185	788,392.2860	118° 33' 59.38" LT	5.05'	6.21'	3.00'	2.87'	P.R.C. 80+51.34	P.R.C. 80+57.55	S 14° 38' 05.44" E	N 46° 47' 55.17" E
	80+68.89	183,068.7357	788,404.2306	19° 47' 13.41" RT	11.34'	22.45'	65.00'	0.98'	P.R.C. 80+57.55	P.R.C. 80+80.00	N 46° 47' 55.17" E	N 66° 35' 08.58" E
	80+85.87	183,075.5727	788,420.0191	125° 50' 50.36" LT	5.87'	6.59'	3.00'	3.59'	P.R.C. 80+80.00	P.R.C. 80+86.59	N 66° 35' 08.58" E	N 59° 15' 41.78" W
	81+13.58	183,092.3683	788,391.7751	15° 22' 20.83" RT	26.99'	53.66'	200.00'	1.81'	P.R.C. 80+86.59	P.R.C. 81+40.25	N 59° 15' 41.78" W	N 43° 53' 20.95" W
	81+64.74	183,129.4741	788,356.0809	166° 02' 06.02" LT	24.49'	8.69'	3.00'	21.68'	P.R.C. 81+40.25	P.T. 81+48.94	N 43° 53' 20.95" W	S 29° 55' 26.97" E

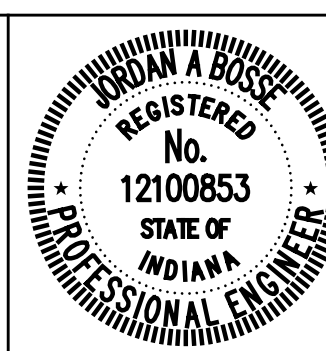
REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"WSI"	50+24.28	183,018.4943	788,350.5381	30° 11' 52.76" RT	24.28'	47.43'	90.00'	3.22'	P.C. 50+00.00	P.R.C. 50+47.43	S 88° 00' 25.45" E	S 57° 48' 32.69" E
	50+53.43	183,002.3647	788,376.1605	126° 49' 36.67" LT	5.99'	6.64'	3.00'	3.70'	P.R.C. 50+47.43	P.R.C. 50+54.08	S 57° 48' 32.69" E	N 4° 38' 09.36" W
	50+65.50	183,019.7293	788,374.7524	19° 56' 30.24" RT	11.43'	22.62'	65.00'	1.00'	P.R.C. 50+54.08	P.R.C. 50+76.70	N 4° 38' 09.36" W	N 15° 18' 20.87" E
	50+86.10	183,039.8208	788,380.2510	123° 59' 51.04" LT	9.40'	10.82'	5.00'	5.65'	P.R.C. 50+76.70	P.R.C. 50+87.52	N 15° 18' 20.87" E	S 71° 18' 29.83" W
	51+11.05	183,029.2674	788,349.0575	08° 58' 06.13" RT	23.53'	46.96'	300.00'	0.92'	P.R.C. 50+87.52	P.R.C. 51+34.48	S 71° 18' 29.83" W	S 80° 16' 35.96" W
	51+63.72	183,020.3556	788,297.0490	168° 17' 01.42" LT	29.24'	8.81'	3.00'	26.39'	P.R.C. 51+34.48	P.T. 51+43.29	S 80° 16' 35.96" W	S 88° 00' 25.45" E



REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"SSI"	60+25.32	182,867.7597	788,466.0449	166° 29' 05.81" LT	25.32'	8.72'	3.00'	22.50'	P.C. 60+00.00	P.R.C. 60+08.72	S 20° 43' 16.60" E	N 7° 12' 22.41" W
	60+22.50	182,906.5555	788,461.1396	04° 27' 06.10" RT	13.79'	27.56'	354.70'	0.27'	P.R.C. 60+08.72	P.R.C. 60+36.28	N 7° 12' 22.41" W	N 2° 45' 16.31" W
	60+50.20	182,934.2322	788,459.8080	15° 51' 07.22" RT	13.92'	27.67'	100.00'	0.96'	P.C.C. 60+36.28	P.R.C. 60+63.94	N 2° 45' 16.31" W	N 13° 05' 50.91" E
	60+69.12	182,952.8361	788,464.1364	119° 49' 48.42" LT	5.18'	6.27'	3.00'	2.98'	P.R.C. 60+63.94	P.R.C. 60+70.22	N 13° 05' 50.91" E	S 73° 16' 02.49" W
	60+83.27	182,947.5879	788,446.6791	22° 42' 20.96" RT	13.05'	25.76'	65.00'	1.30'	P.R.C. 60+70.22	P.R.C. 60+95.98	S 73° 16' 02.49" W	N 84° 01' 36.55" W
	61+02.13	182,949.5860	788,427.5822	127° 59' 46.17" LT	6.15'	6.70'	3.00'	3.84'	P.R.C. 60+95.98	P.R.C. 61+02.68	N 84° 01' 36.55" W	S 32° 01' 22.71" E
	61+32.36	182,919.2042	788,446.5838	11° 18' 06.12" RT	29.68'	59.18'	300.00'	1.46'	P.R.C. 61+02.68	P.T. 61+61.85	S 32° 01' 22.71" E	S 20° 43' 16.60" E

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	TANGENT LENGTH	ARC LENGTH	CURVE RADIUS	EXTERNAL LENGTH	CURVE BEGIN STATION	CURVE END STATION	BEARING BACK	BEARING AHEAD
"ESI"	70+21.39	183,010.2803	788,528.9450	26° 44' 03.77" RT	21.39'	41.99'	90.00'	2.51'	P.C. 70+00.00	P.R.C. 70+41.99	S 89° 03' 27.44" W	N 64° 12' 28.78" W
	70+47.04	183,021.7827	788,505.1427	118° 33' 59.38" LT	5.05'	6.21'	3.00'	2.87'	P.R.C. 70+41.99	P.R.C. 70+48.20	N 64° 12' 28.78" W	S 2° 46' 28.17" E
	70+59.37	183,005.5832	788,505.9278	19° 30' 01.39" RT	11.17'	22.12'	65.00'	0.95'	P.R.C. 70+48.20	P.R.C. 70+70.32	S 2° 46' 28.17" E	S 16° 43' 33.22" W
	70+76.48	182,988.9963	788,500.9433	127° 59' 46.17" LT	6.15'	6.70'	3.00'	3.84'	P.R.C. 70+70.32	P.R.C. 70+77.03	S 16° 43' 33.22" W	N 68° 43' 47.06" E
	71+00.39	182,999.7034	788,528.4479	08° 54' 24.12" RT	23.36'	46.64'	300.00'	0.91'	P.R.C. 70+77.03	P.R.C. 71+23.66	N 68° 43' 47.06" E	N 77° 38' 11.17" E
	71+53.66	183,011.1296	788,580.5750	168° 34' 43.73" LT	30.00'	8.83'	3.00'	27.15'	P.R.C. 71+23.66	P.T. 71+32.49	N 77° 38' 11.17" E	S 89° 03' 27.44" W

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* DESIGN ENGINEER 6/07/2024 DATE

DESIGNED: JLH DRAWN: RJC

CHECKED: JAB CHECKED: JAB

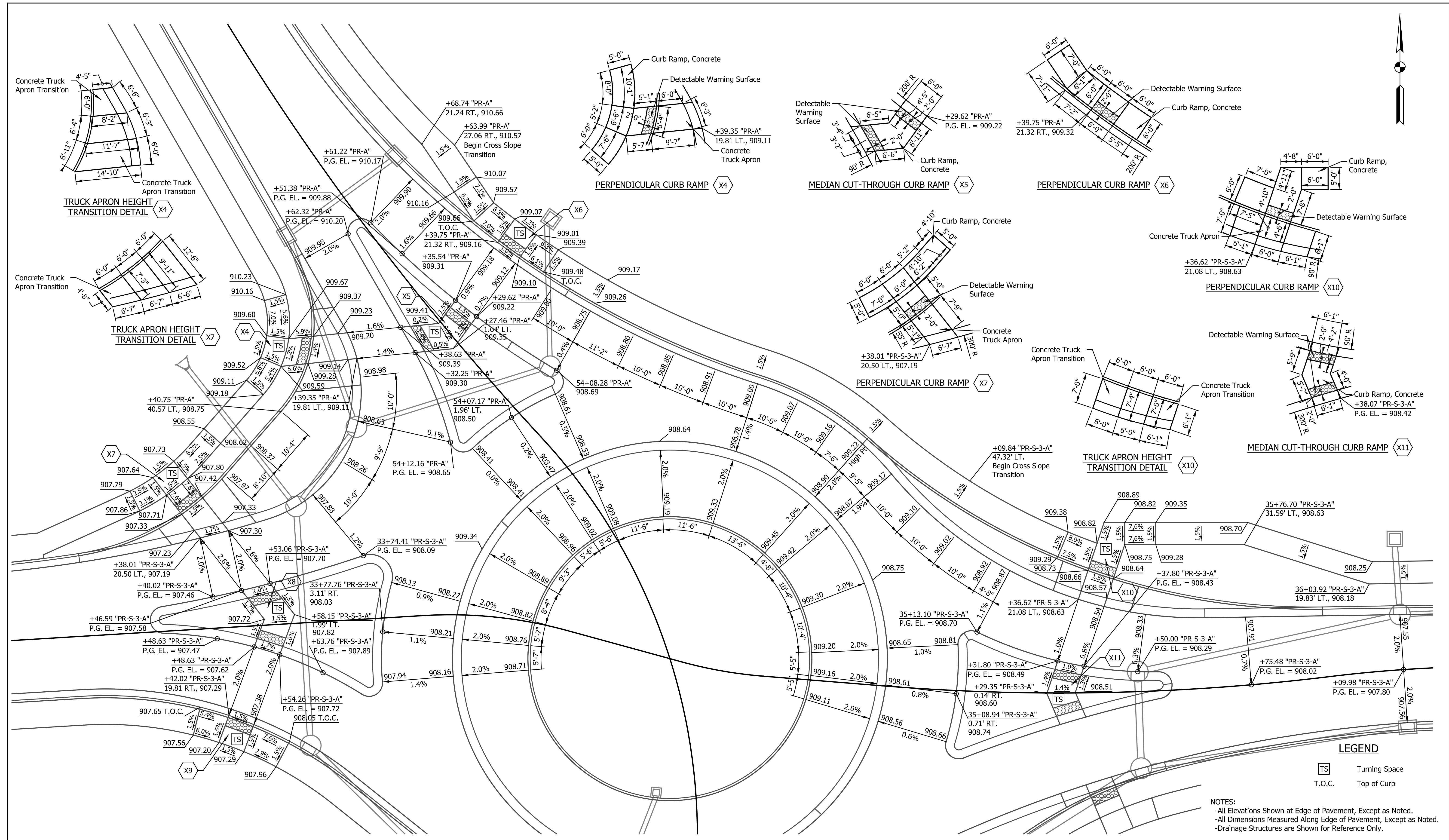
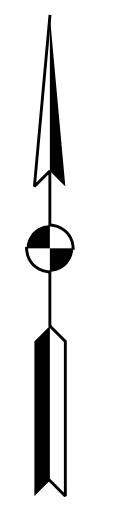
CITY OF GREENFIELD

ROUNDABOUT ALIGNMENT PLAN

SPITTER ISLAND

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	18 of 56
CONTRACT	PROJECT
N/A	2205FFE

I:\Projects\2022\02696\Drawings\202202696.RD.ALN.RAB.02.dgn

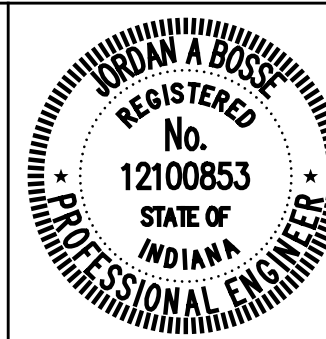


LEGEND

TS Turning Space
T.O.C. Top of Curb

NOTES:
 -All Elevations Shown at Edge of Pavement, Except as Noted.
 -All Dimensions Measured Along Edge of Pavement, Except as Noted.
 -Drainage Structures are Shown for Reference Only.

DATE	REVISION



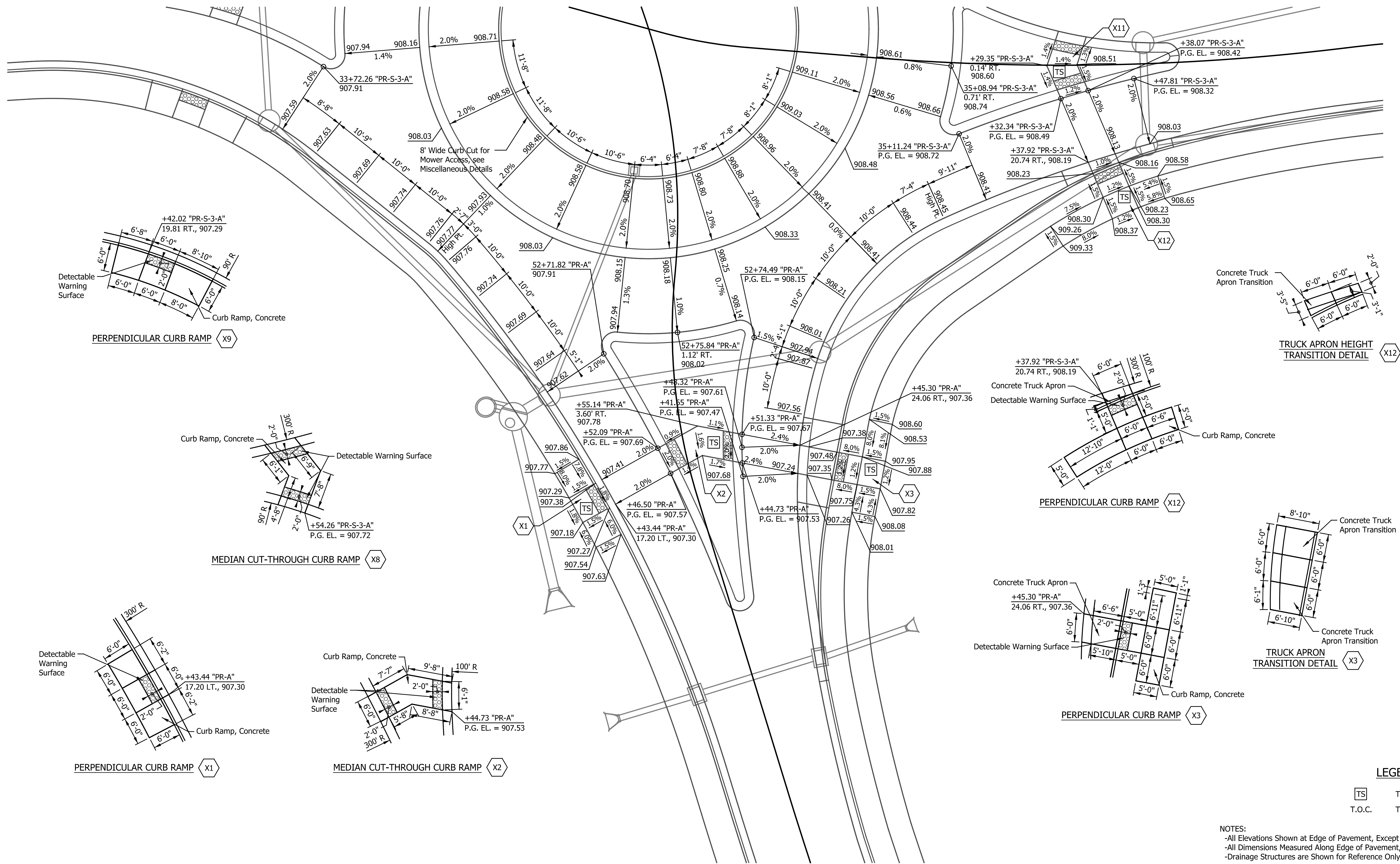
RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
 DESIGN ENGINEER
 DATE: 6/07/2024

DESIGNED: JLH DRAWN: RJC
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

SPOT ELEVATION DETAILS
FORTVILLE PIKE AND CR 300 N ROUNDABOUT

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	19 of 56
CONTRACT	PROJECT
N/A	2205FFE

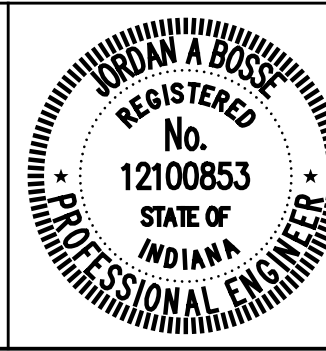


LEGEND

- TS Turning Square
- T.O.C. Top of Curb

NOTES:
 -All Elevations Shown at Edge of Pavement, Except as Noted.
 -All Dimensions Measured Along Edge of Pavement, Except as Noted.
 -Drainage Structures are Shown for Reference Only.

DATE	REVISION



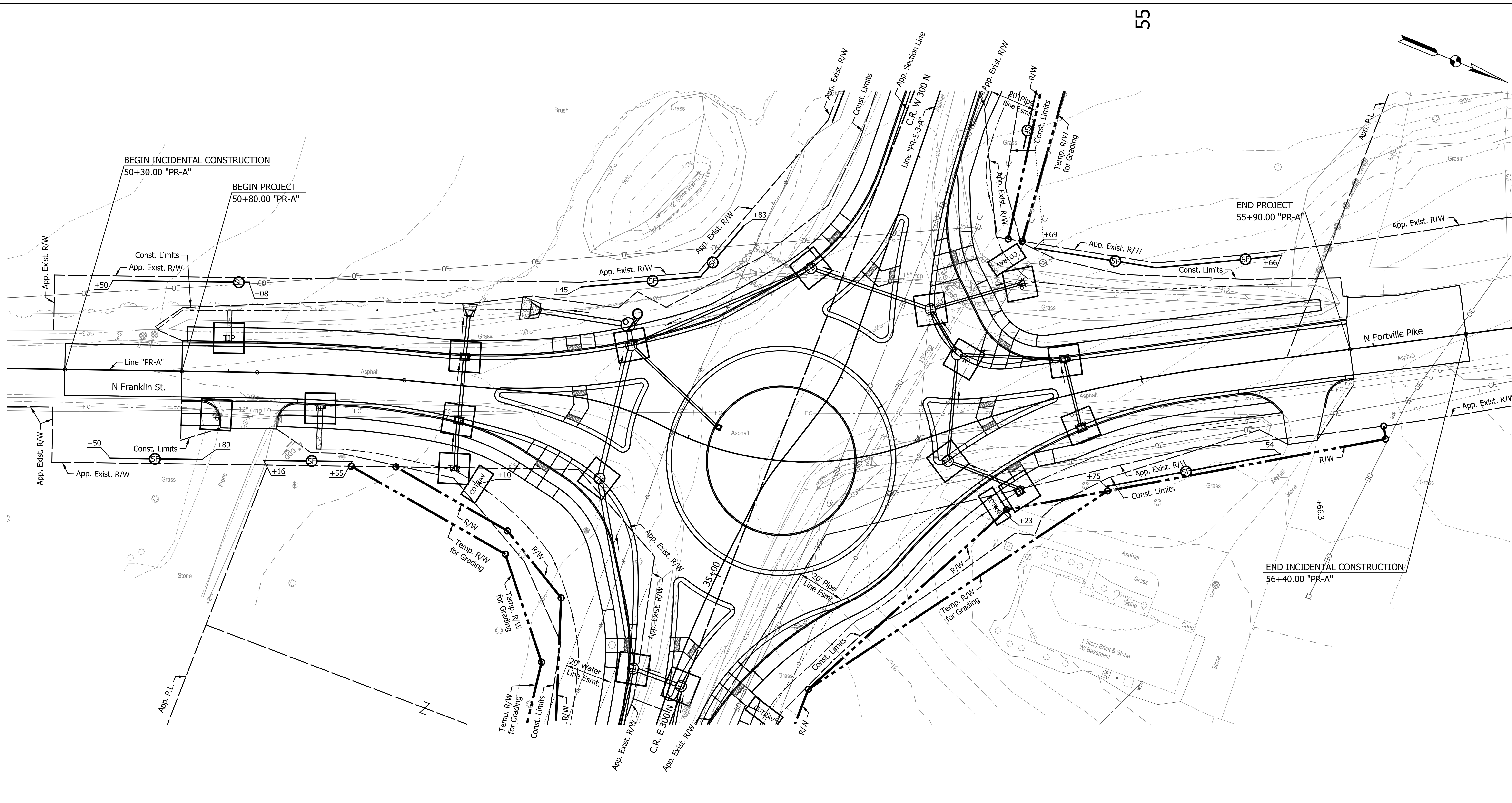
RECOMMENDED FOR APPROVAL: *Josh Bose*
 DESIGN ENGINEER 6/07/2024 DATE

DESIGNED: JLH DRAWN: RJC
 CHECKED: JAB CHECKED: JAB




CITY OF GREENFIELD

SPOT ELEVATION DETAILS
N FRANKLIN ST AND CR 300 N ROUNDABOUT

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	20 of 56
CONTRACT	PROJECT
N/A	2205FFE

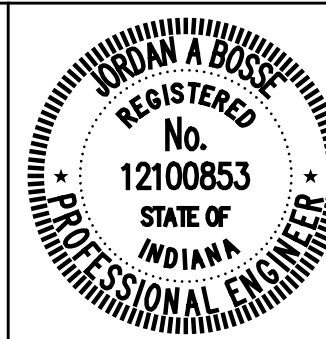


LEGEND

-  Temporary Inlet Protection
-  Temporary Silt Fence
-  Temporary Traversable Check Dam

NOTES:
 -All Areas Left Undisturbed for More Than 7 Days Shall be Temporarily Mulched and Temporarily Seeded, Unless Shown Otherwise, or as Directed by the Engineer. See the Special Provisions.
 -All Existing and Proposed Inlets Along the Construction Area Shall be Protected by a Method Approved by 2024 INDOT Standards And Specifications.

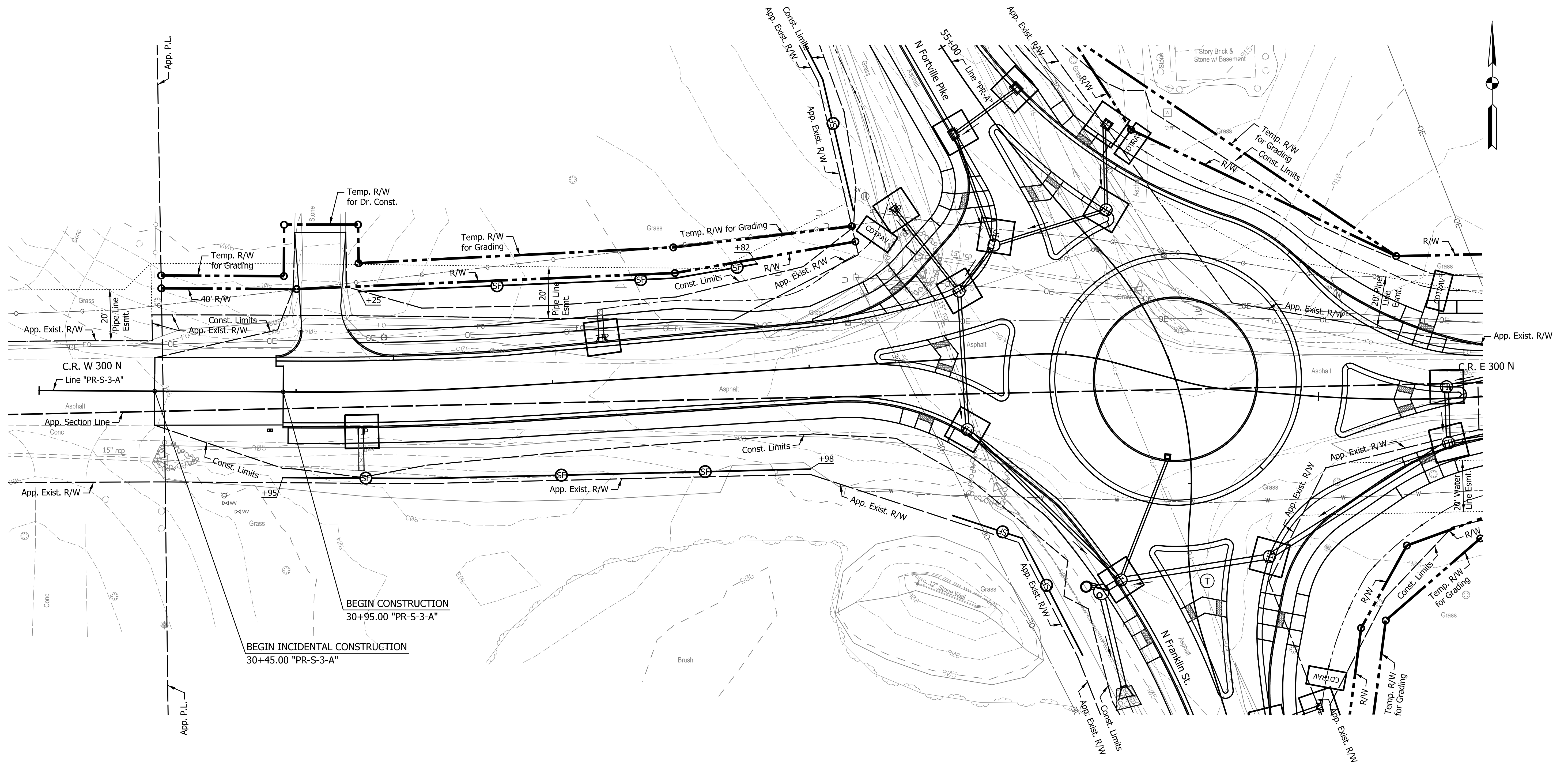
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
EROSION CONTROL DETAILS
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	21 of 56
CONTRACT	PROJECT
N/A	2205FFE

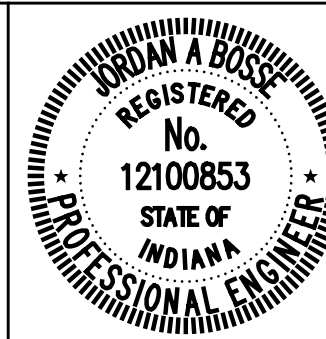


LEGEND

- TIP Temporary Inlet Protection
- CDTRAV Temporary Traversable Check Dam
- SF Temporary Silt Fence

NOTES:
 -All Areas Left Undisturbed for More Than 7 Days Shall be Temporarily Mulched and Temporarily Seeded, Unless Shown Otherwise, or as Directed by the Engineer. See the Special Provisions.
 -All Existing and Proposed Inlets Along the Construction Area Shall be Protected by a Method Approved by 2024 INDOT Standards And Specifications.

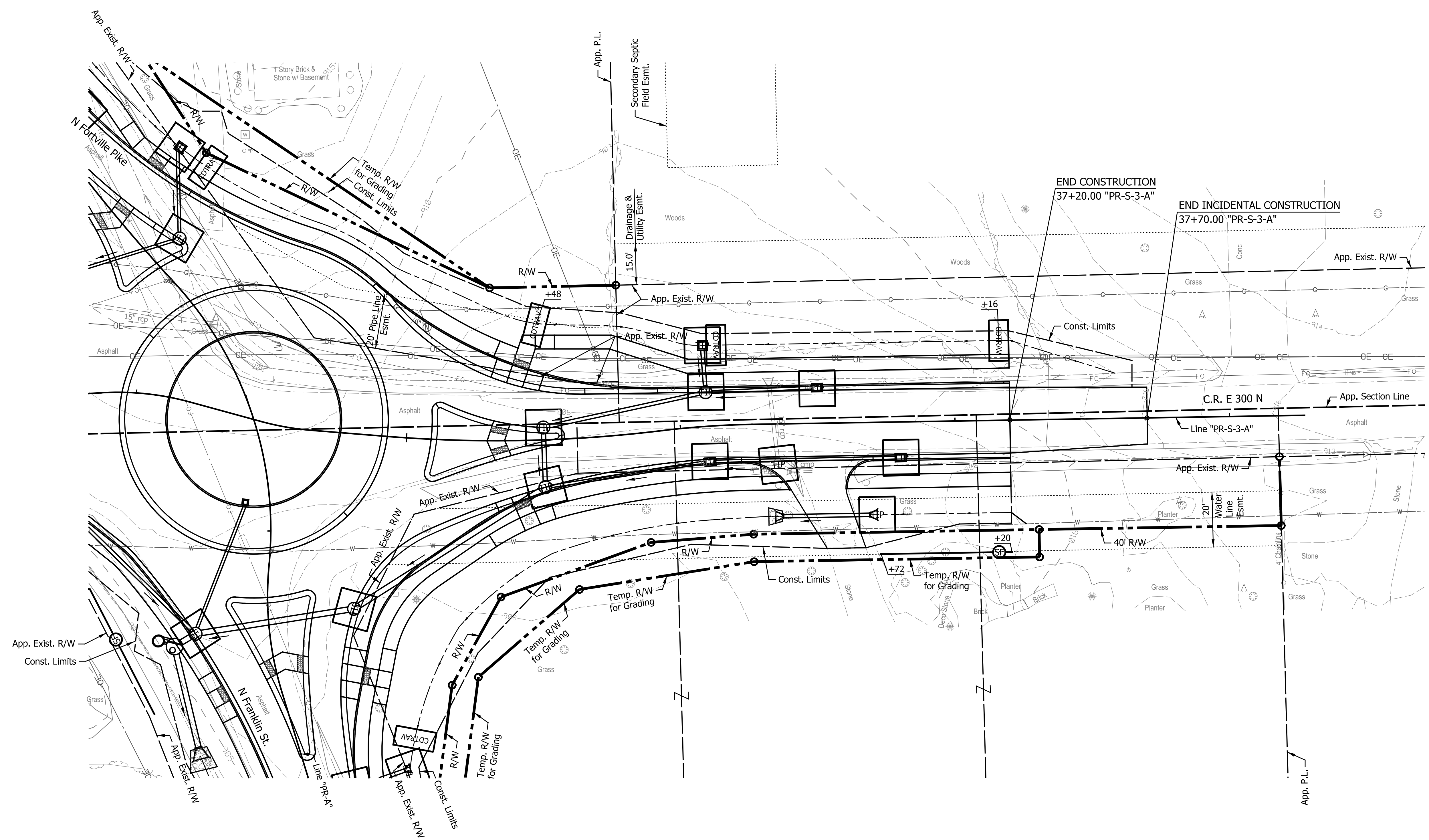
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	6/07/2024
DESIGNED:	JLH	DRAWN:
CHECKED:	JAB	CHECKED:
		JAB

CITY OF GREENFIELD
 EROSION CONTROL DETAILS
 LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	22 of 56
CONTRACT	PROJECT
N/A	2205FFE

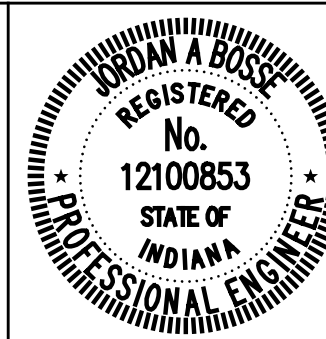


LEGEND

- TIP Temporary Inlet Protection
- CDTRAV Temporary Traversable Check Dam
- SF Temporary Silt Fence

NOTES:
 -All Areas Left Undisturbed for More Than 7 Days Shall be Temporarily Mulched and Temporarily Seeded, Unless Shown Otherwise, or as Directed by the Engineer. See the Special Provisions.
 -All Existing and Proposed Inlets Along the Construction Area Shall be Protected by a Method Approved by 2024 INDOT Standards And Specifications.

DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Jordan A. Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD

EROSION CONTROL DETAILS

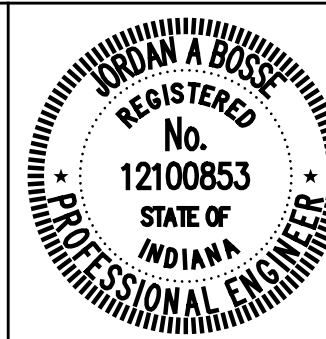
LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	23 of 56
CONTRACT	PROJECT
N/A	2205FFE

EROSION CONTROL TABLE

FROM STATION	TO STATION	LOCATION			TEMP. SILT FENCE	TEMP. INLET PROTECTION	CHECK DAM - REVETMENT-RIPRAP	CHECK DAM - TRAVERSABLE	TEMP. SEED MIXTURE	TEMP. MULCH	NO. 2 STONE	TEMP. GEOTEXTILES	REMARKS
		LEFT	MEDIAN	RIGHT									
		LFT	EACH	EACH									
Line "PR-A"													
50+00	50+89			X	39								
50+00	51+08	X			58								
50+95				X		1							
51+00		X				1							
51+16	51+55			X	38								
51+40				X		1							
52+00		X				1							
52+00				X		2							
52+10				X				6					
52+45	52+83	X			80								
52+65		X				1							
52+70				X		1							
54+10				X		1							
54+24				X				6					
54+28		X				1							
54+36				X		1							
54+57		X						6					
54+60		X				1							
54+69	55+66	X			106								
54+70		X				1							
54+70				X		1							
54+75	55+54			X	76								
Line "PR-S-3-A"													
30+95	32+98			X	205				89	1			
31+25				X		1							
31+25	32+82	X			156								
32+25		X				1							
33+60		X				1							
33+60				X		1							
35+48		X						6					
35+50		X				1							
35+50				X		1							
36+10		X				2							
36+10				X		1							
36+15		X						6					
36+51		X				1							
36+71				X		1							
36+73	37+20			X	48								
36+80				X		1							
37+16		X						6					
Line "S-3-A"													
12+24				X		1							
18+83				X		1							
Total					806	28	0	36	196	2	100	235	

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* DESIGN ENGINEER DATE: 6/07/2024

DESIGNED: _____ JLH _____ DRAWN: _____ RJC _____

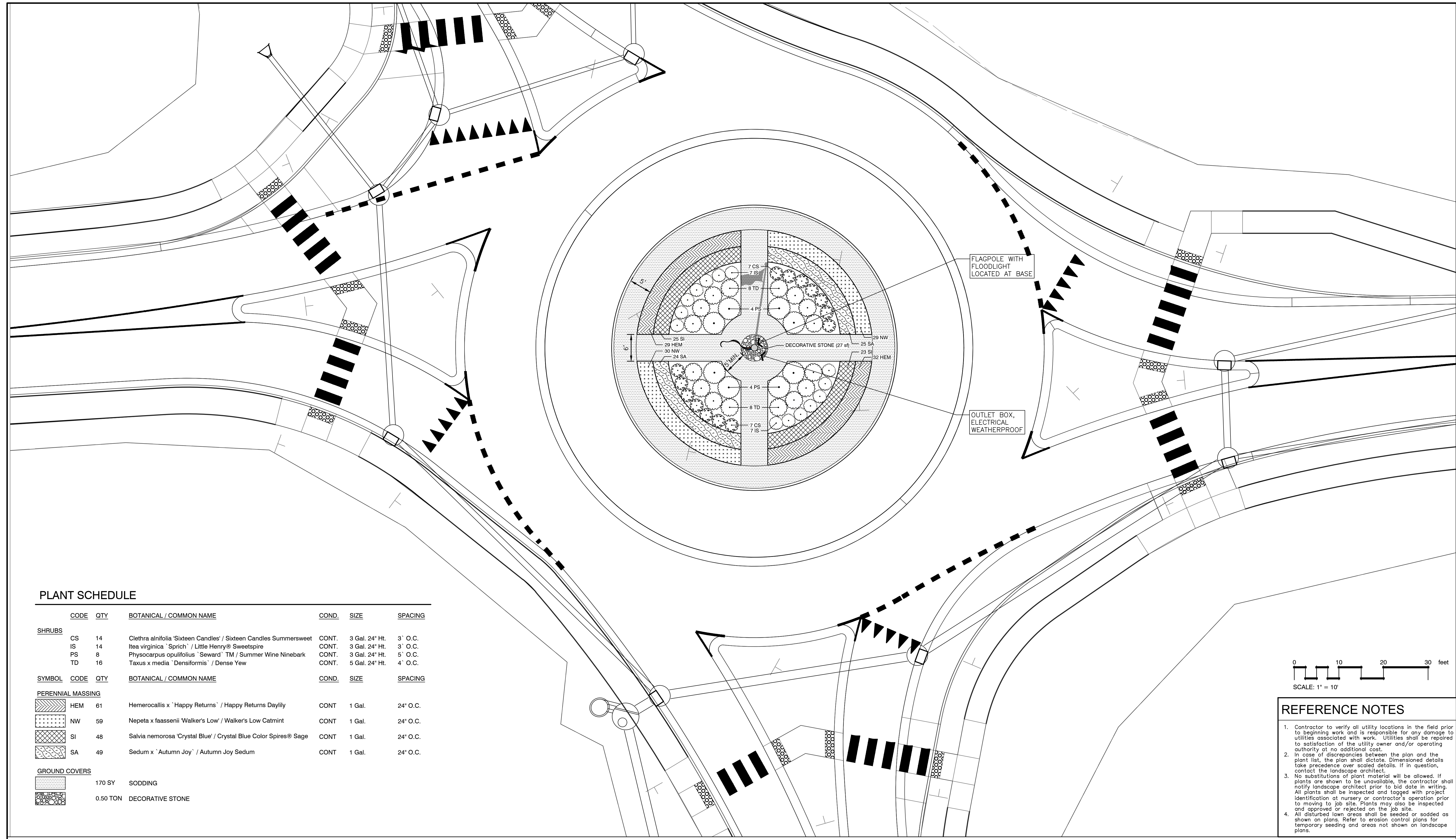
CHECKED: _____ JAB _____ CHECKED: _____ JAB _____

CITY OF GREENFIELD

EROSION CONTROL TABLE

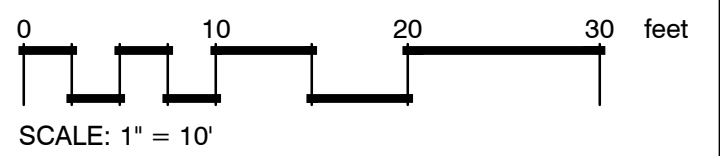
HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	24 of 56
CONTRACT	PROJECT
N/A	2205FFE

I:\a\c\j\jslck\Indiana_Shae.tbl



PLANT SCHEDULE

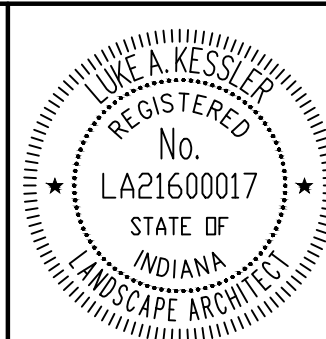
CODE	QTY	BOTANICAL / COMMON NAME	COND.	SIZE	SPACING	
SHRUBS						
CS	14	Clethra alnifolia 'Sixteen Candles' / Sixteen Candles Summersweet	CONT.	3 Gal. 24" Ht.	3' O.C.	
IS	14	Itea virginica 'Sprich' / Little Henry® Sweetspire	CONT.	3 Gal. 24" Ht.	3' O.C.	
PS	8	Physocarpus opulifolius 'Seward'™ / Summer Wine Ninebark	CONT.	3 Gal. 24" Ht.	5' O.C.	
TD	16	Taxus x media 'Densifolius' / Dense Yew	CONT.	5 Gal. 24" Ht.	4' O.C.	
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	COND.	SIZE	SPACING
PERENNIAL MASSING						
	HEM	61	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	CONT	1 Gal.	24" O.C.
	NW	59	Nepeta x faassenii 'Walker's Low' / Walker's Low Catmint	CONT	1 Gal.	24" O.C.
	SI	48	Salvia nemorosa 'Crystal Blue' / Crystal Blue Color Spikes® Sage	CONT	1 Gal.	24" O.C.
	SA	49	Sedum x 'Autumn Joy' / Autumn Joy Sedum	CONT	1 Gal.	24" O.C.
GROUND COVERS						
	170 SY	SODDING				
	0.50 TON	DECORATIVE STONE				



REFERENCE NOTES

- Contractor to verify all utility locations in the field prior to beginning work and is responsible for any damage to utilities associated with work. Utilities shall be repaired to satisfaction of the utility owner and/or operating authority at no additional cost.
- In case of discrepancies between the plan and the plant list, the plan shall dictate. Dimensioned details take precedence over scaled details. If in question, contact the landscape architect.
- No substitutions of plant material will be allowed. If plants are shown to be unavailable, the contractor shall notify landscape architect prior to bid date in writing. All plants shall be inspected and tagged with project identification at nursery or contractor's operation prior to moving to job site. Plants may also be inspected and approved or rejected on the job site.
- All disturbed lawn areas shall be seeded or sodded as shown on plans. Refer to erosion control plans for temporary seeding and areas not shown on landscape plans.

DATE	REVISION



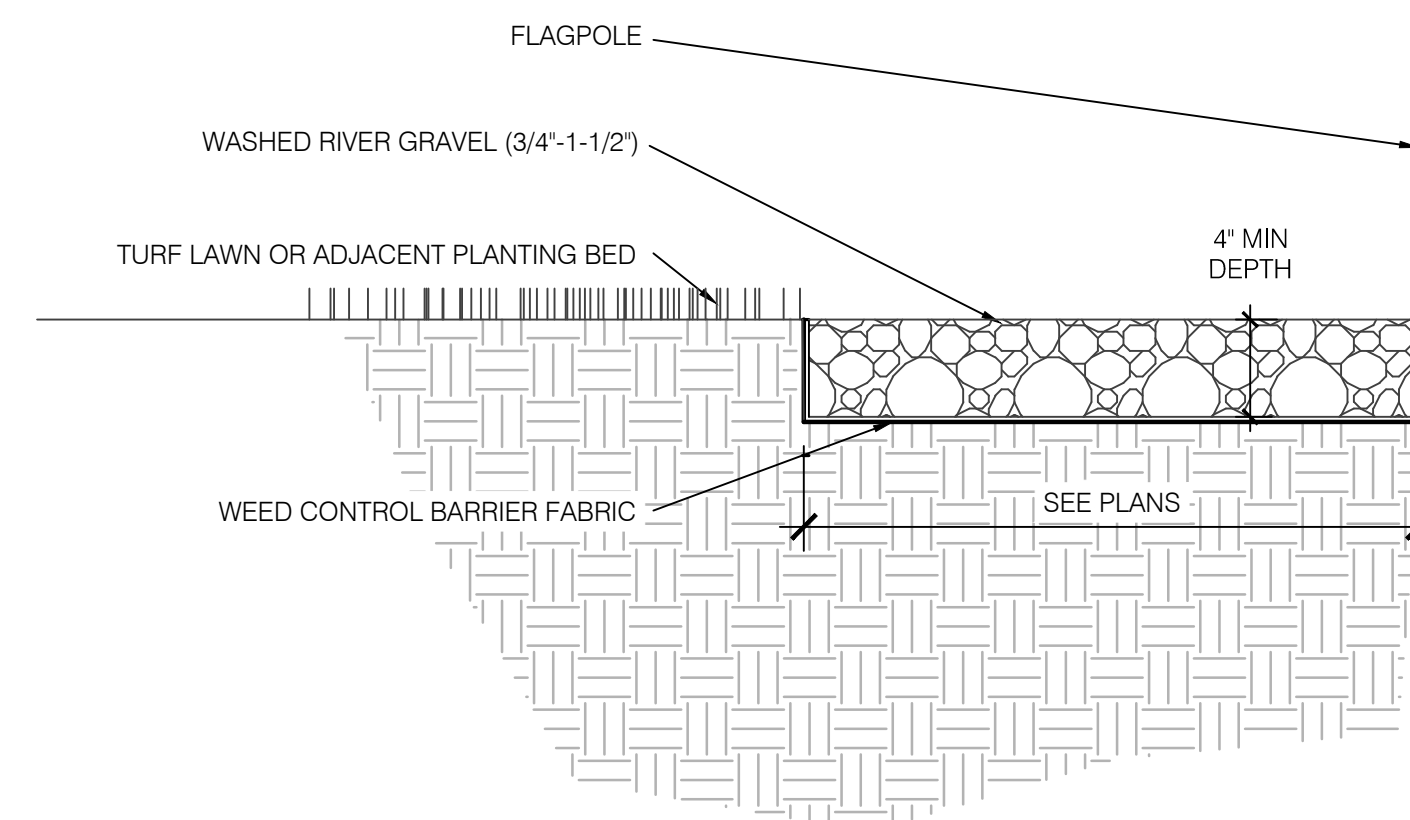
RECOMMENDED FOR APPROVAL *Luke A. Kessler* 7/15/2024
LANDSCAPE ARCHITECT DATE

DESIGNED: KH DRAWN: KH
CHECKED: LK CHECKED: LK

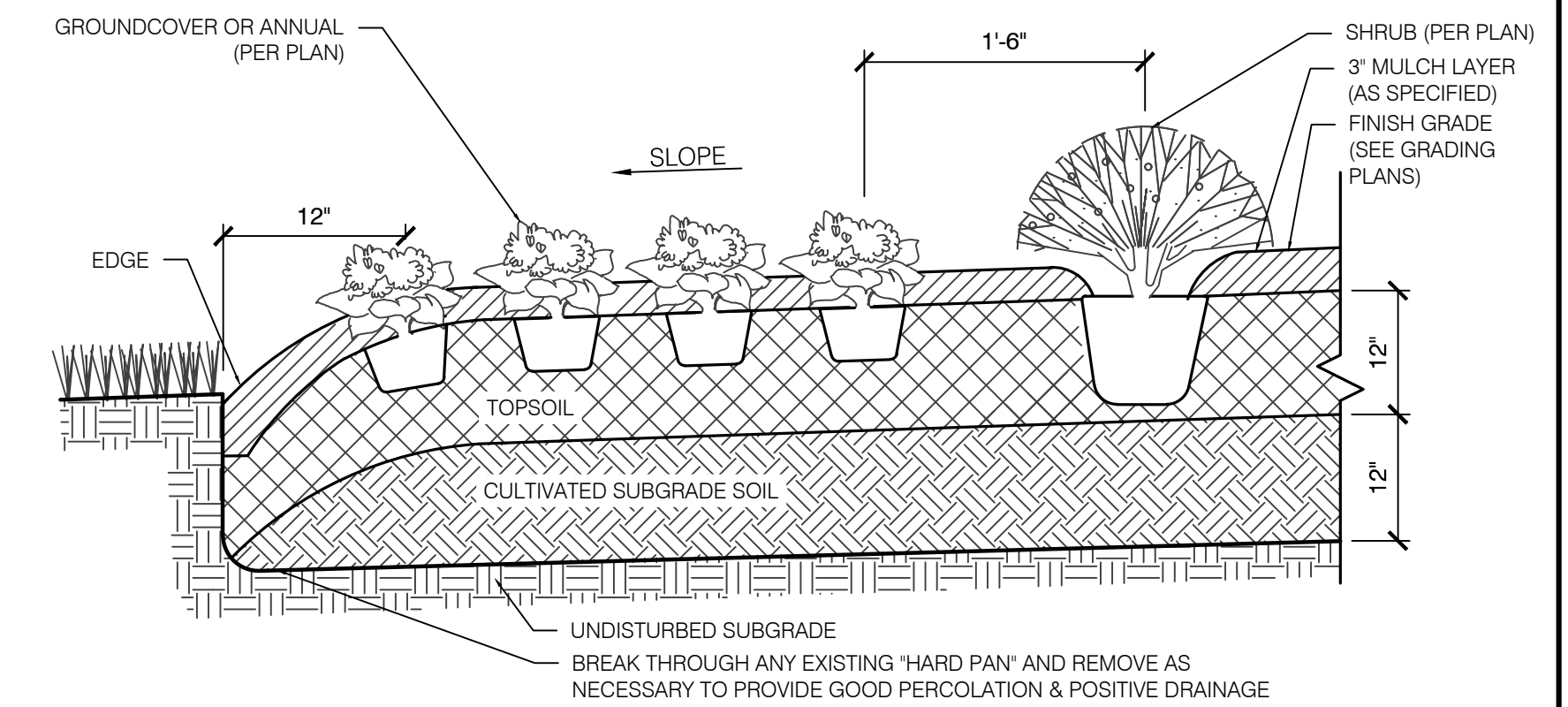
CITY OF GREENFIELD

LANDSCAPE PLANS

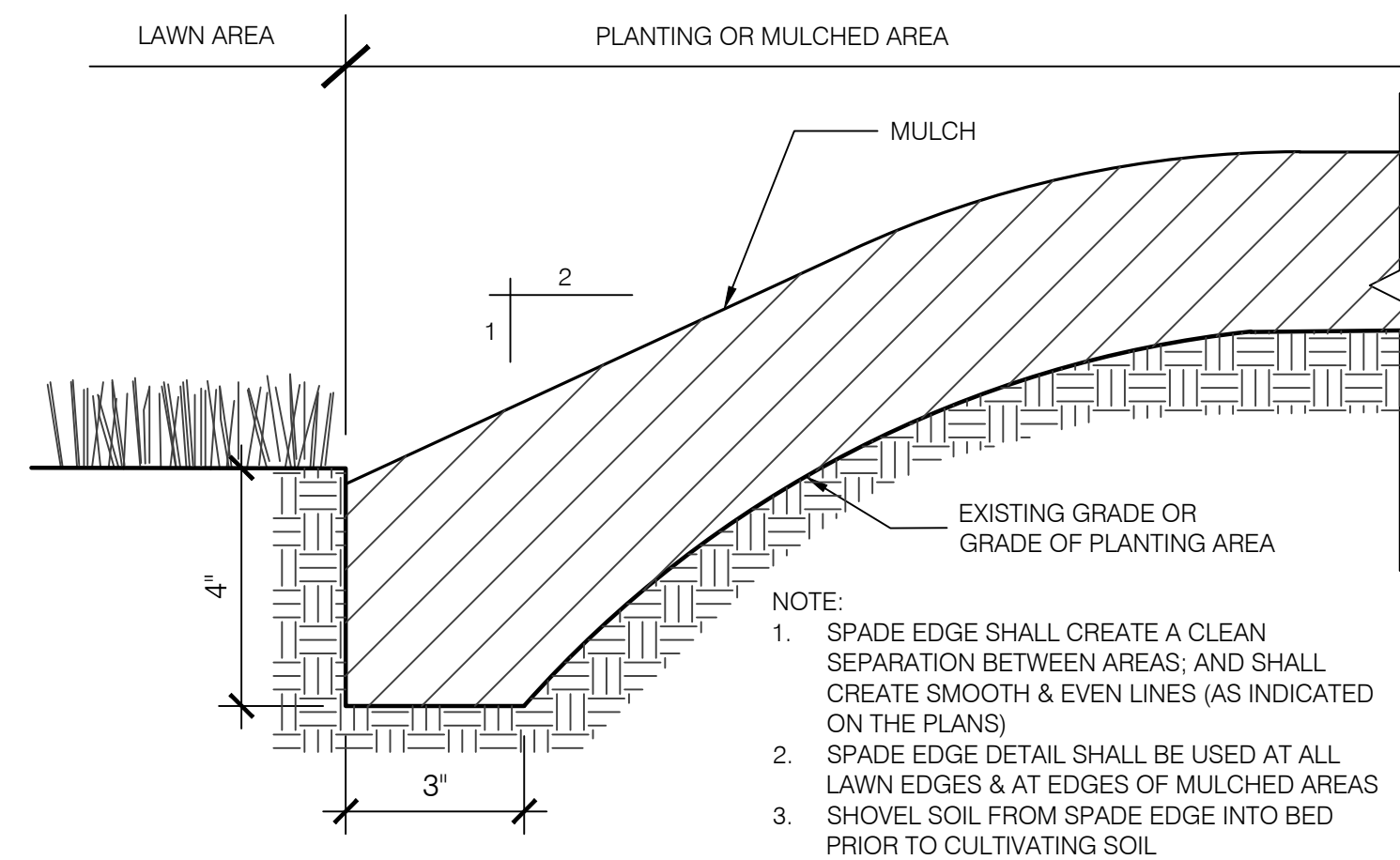
HORIZONTAL SCALE	BRIDGE FILE
SEE SCALE BAR	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	25 of 56
CONTRACT	PROJECT
N/A	2205FFE



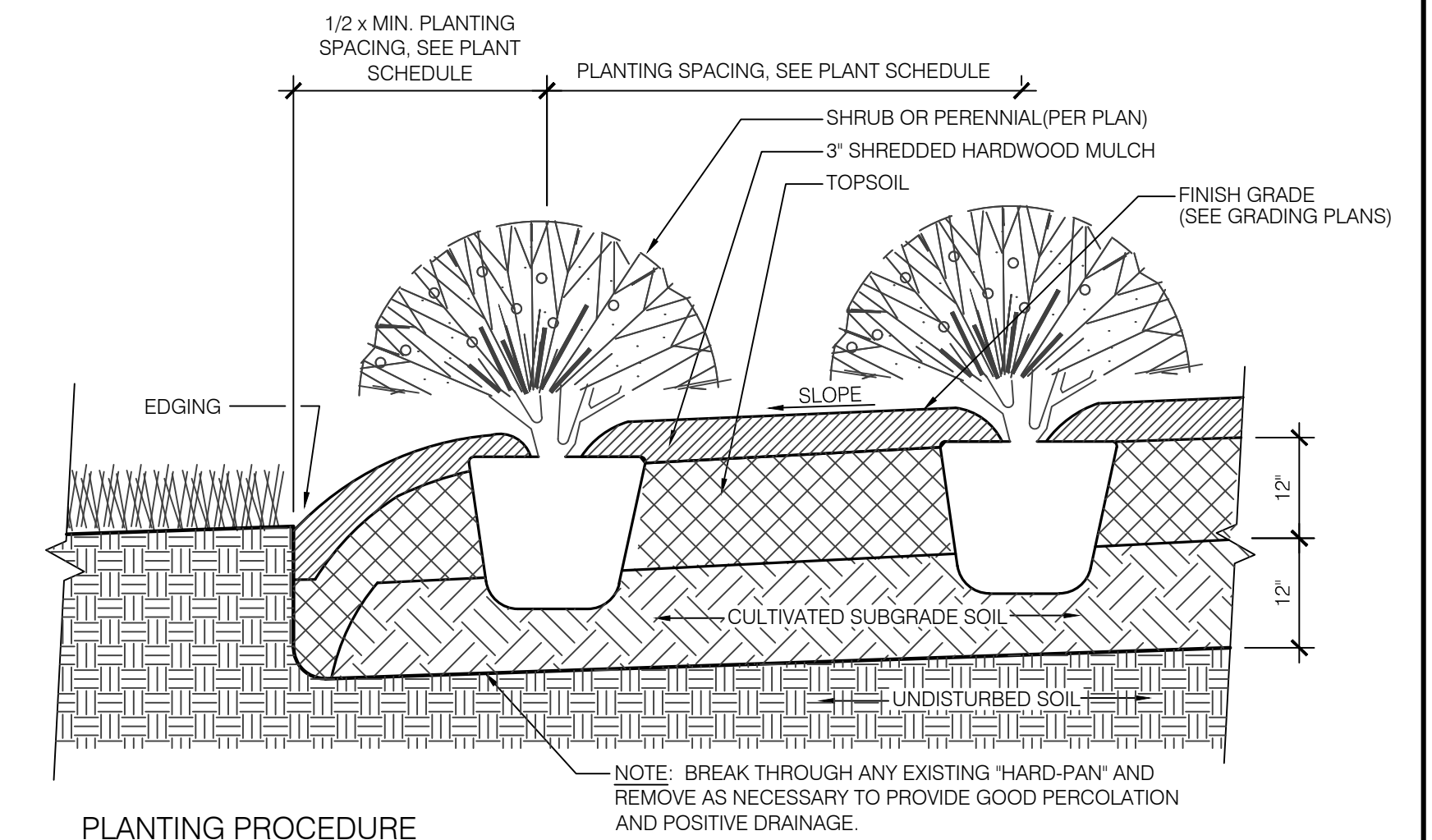
01 MAINTENANCE ROCK BED
NTS



02 GROUNDCOVER AND ANNUAL PLANTING
NTS



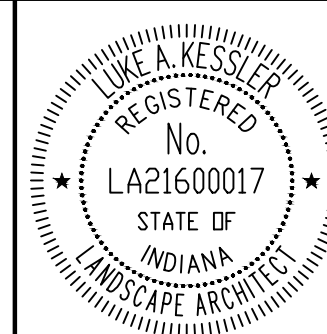
03 EDGE - SPADE
NTS



PLANTING PROCEDURE
1. LAYOUT BED AND OUTLINE EDGE.
2. PREPARE PLANTING SOIL PER SPECIFICATIONS.
3. INSTALL PLANTS, MULCH AND WATER THOROUGHLY. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.

04 SHRUB AND PERENNIAL PLANTING
NTS

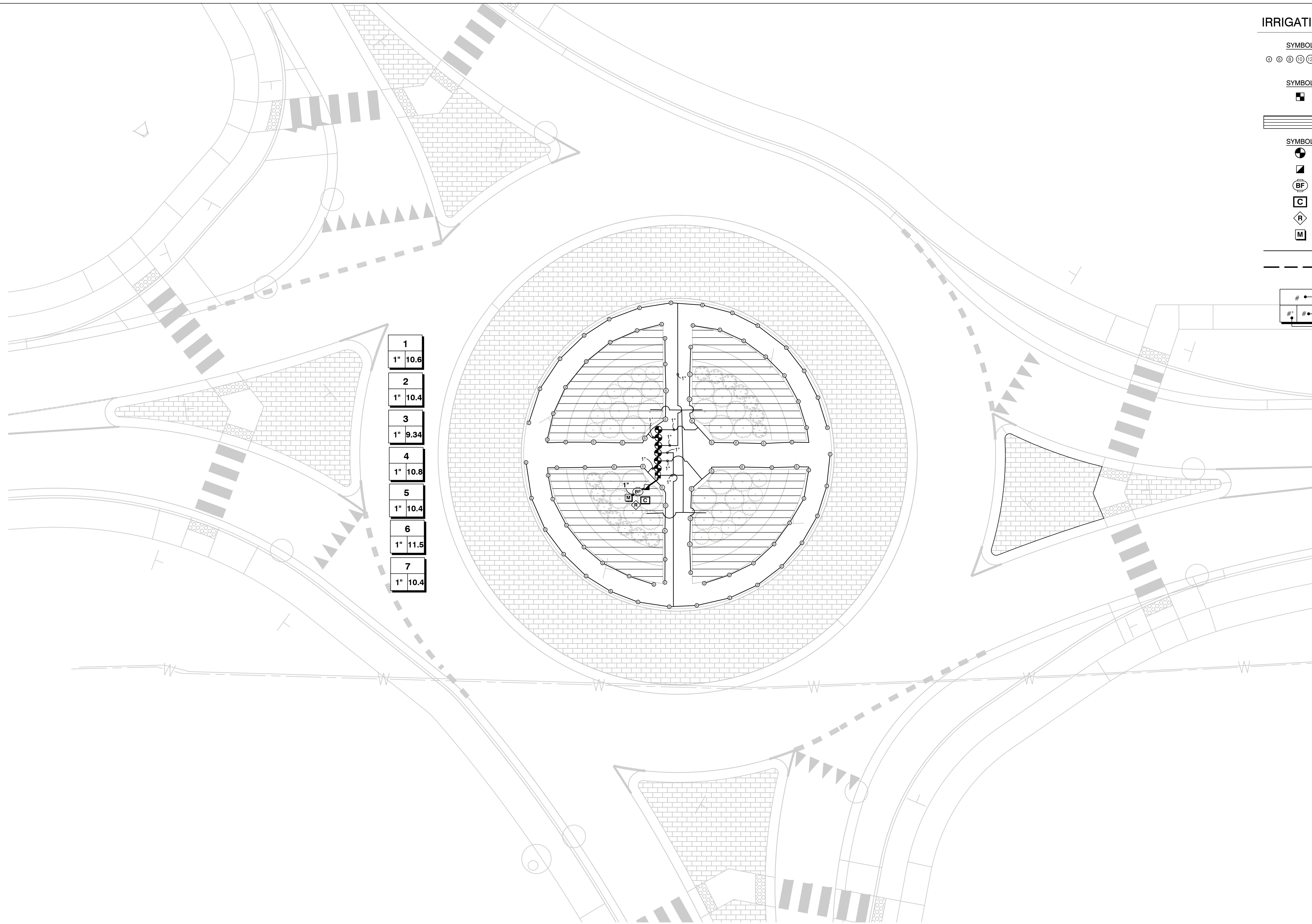
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Luke A. Kessler</i>	7/15/2024
DESIGNED:	KH	DRAWN:
CHECKED:	LK	CHECKED:

CITY OF GREENFIELD
LANDSCAPE PLANS

HORIZONTAL SCALE	BRIDGE FILE
SEE SCALE BAR	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	26 of 56
CONTRACT	PROJECT
N/A	2205FFE



1	1" 10.6
2	1" 10.4
3	1" 9.34
4	1" 10.8
5	1" 10.4
6	1" 11.5
7	1" 10.4

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY
⊙ ⊚ ⊛ ⊜ ⊝ ⊞ ⊟ ⊠ ⊡ ⊢ ⊣ ⊤ ⊥ ⊦ ⊧ ⊨ ⊩ ⊪ ⊫ ⊬ ⊭ ⊮ ⊯ ⊰ ⊱ ⊲ ⊳ ⊴ ⊵ ⊶ ⊷ ⊸ ⊹ ⊺ ⊻ ⊼ ⊽ ⊾ ⊿ ⊿ ⊿ ⊿	Hunter PROS-04-PRS40 adjustable arc	91
■	Hunter ICZ-101-40 1"	1
▨	Area to Receive Dripline Hunter HDL-09-18-PC	1,038 l.f.
⊙	Hunter PGV-100G 1"	6
⊠	Hunter HQ-5RC 1"	1
⊚	Wilkins 975XL 1"	1
⊙	Hunter P2C-400	1
⊙	Hunter WR-CLIK	1
⊙	Water Meter 1"	1
—	Irrigation Lateral Line: PVC Class 200 SDR 21 1"	636.9 l.f.
- - - -	Irrigation Mainline: PVC Class 160 SDR 26 1"	17.3 l.f.

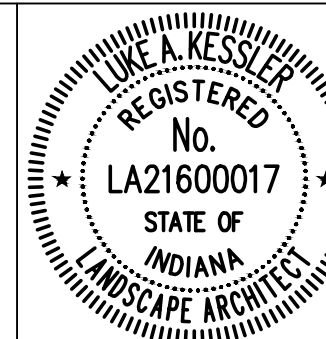
Valve Callout

#	—	Valve Number
#"	—	Valve Flow
#"	—	Valve Size

CRITICAL ANALYSIS

Generated:	2024-06-24
P.O.C. NUMBER:	01
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	1"
Flow Available:	19.31 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	70 PSI
Elevation Change:	5.00 ft
Service Line Size:	1"
Length of Service Line:	20 ft
Pressure Available:	62 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	11.52 GPM
Flow Available at POC:	19.31 GPM
Residual Flow Available:	7.79 GPM
Design Pressure:	30 PSI
Friction Loss:	0.14 PSI
Fittings Loss:	0.01 PSI
Elevation Loss:	0 PSI
Loss through Valve:	8.23 PSI
Pressure Req. at Critical Station:	38.4 PSI
Loss for Fittings:	0 PSI
Loss for Main Line:	0.11 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	11.6 PSI
Loss for Water Meter:	0.74 PSI
Critical Station Pressure at POC:	50.9 PSI
Pressure Available:	62 PSI
Residual Pressure Available:	11.1 PSI

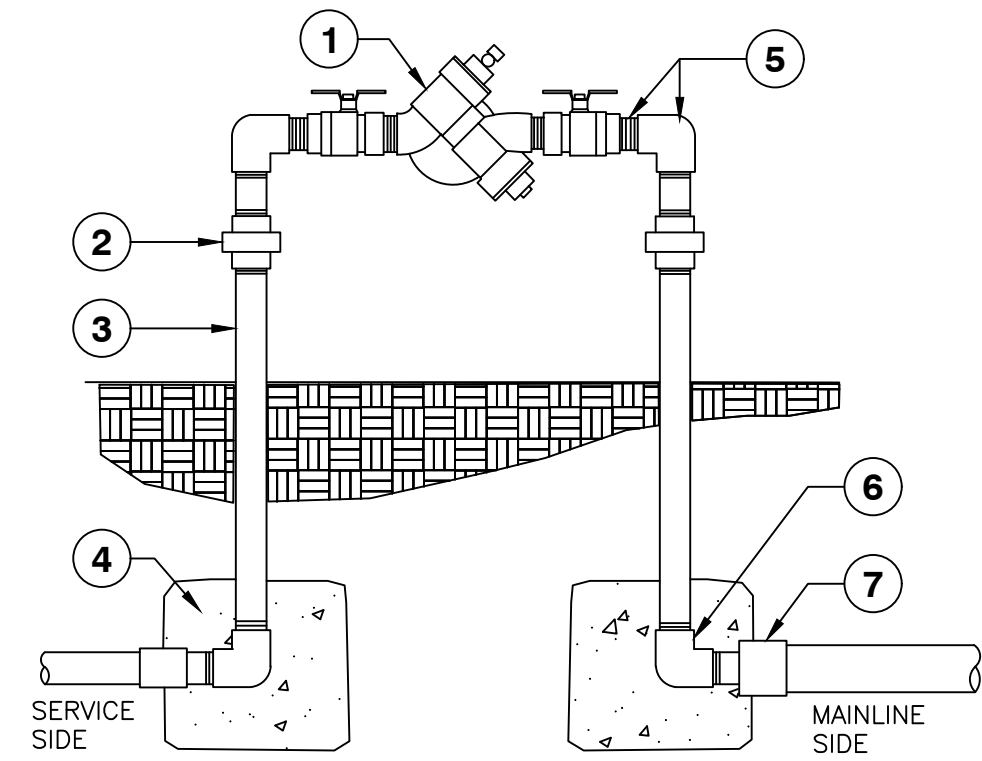
DATE	REVISION



RECOMMENDED FOR APPROVAL: *Luke A. Kessler* 7/15/2024
 LANDSCAPE ARCHITECT DATE
 DESIGNED: CN DRAWN: CN
 CHECKED: LK CHECKED: LK

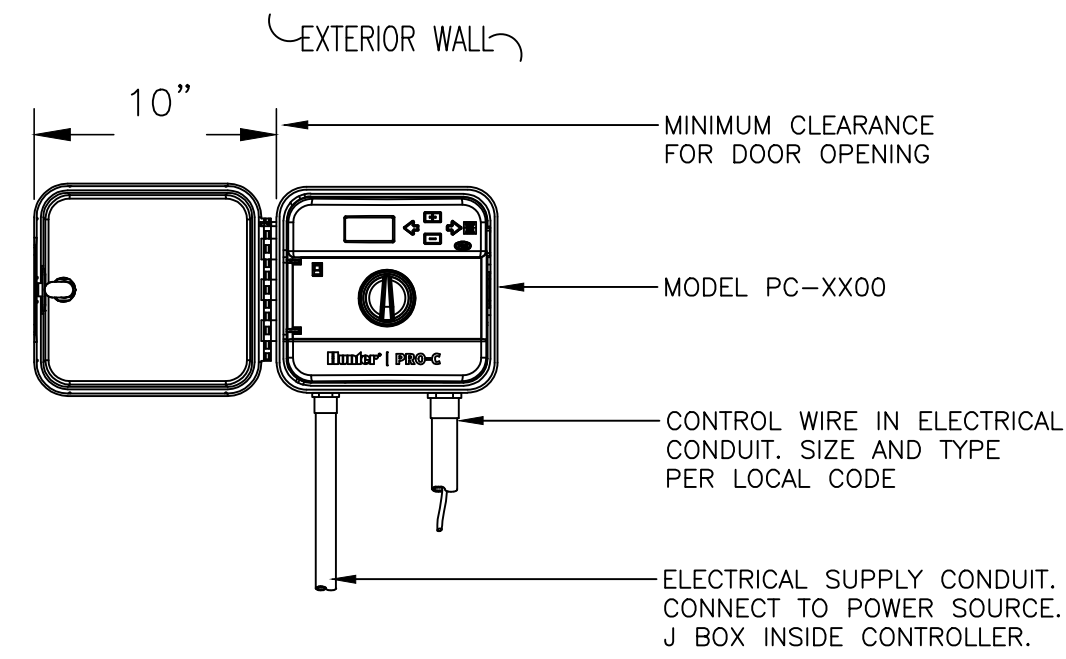
CITY OF GREENFIELD
 IRRIGATION PLAN

HORIZONTAL SCALE	BRIDGE FILE
SEE SCALE BAR	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	27 of 56
CONTRACT	PROJECT
N/A	2205FFE



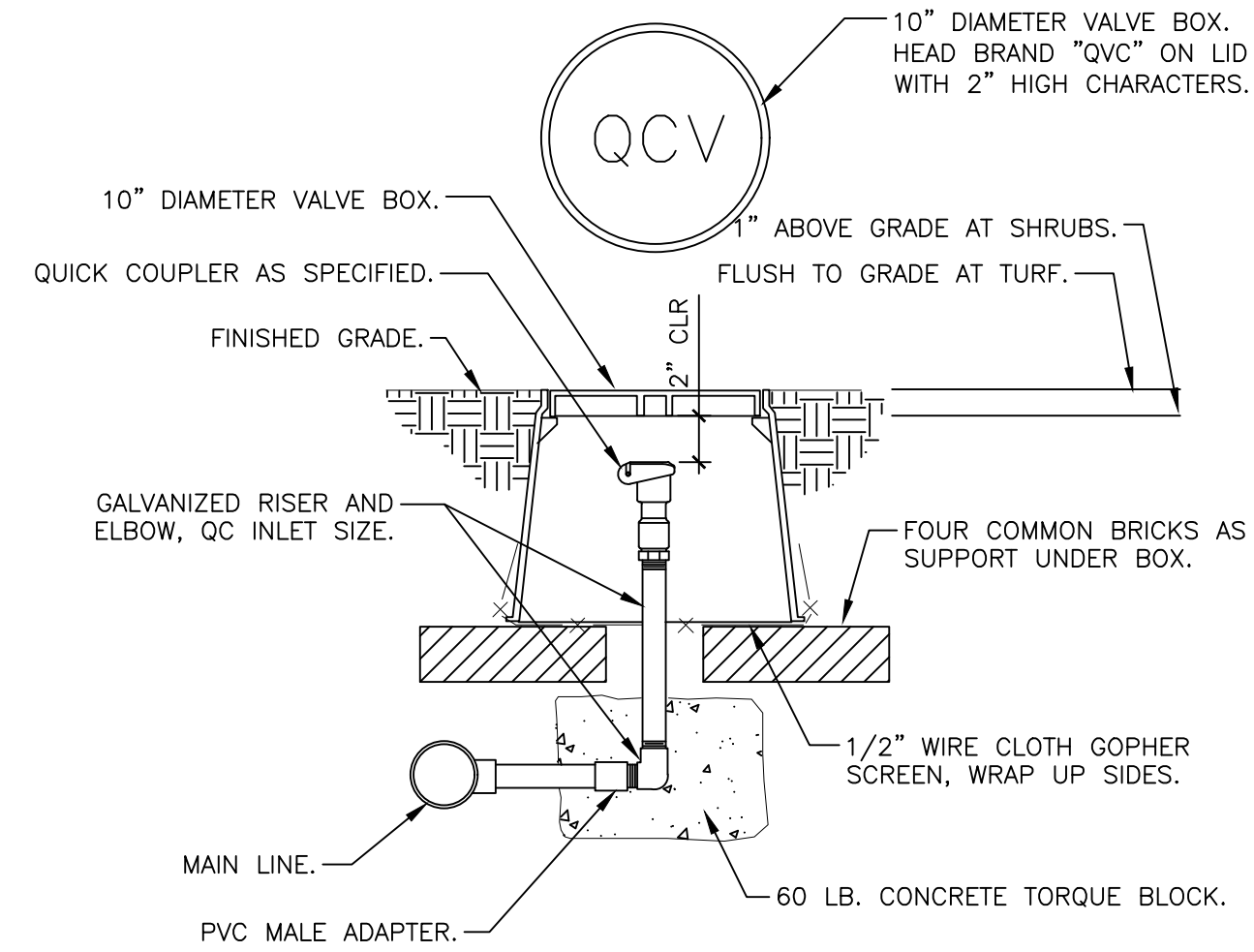
- ① REDUCED PRESSURE BACKFLOW DEVICE AS SPECIFIED
- ② GALVANIZED UNIONS AT EACH SIDE
- ③ GALVANIZED RISERS
- ④ CONCRETE THRUST BLOCKS, 90 LBS OF CONCRETE EACH
- ⑤ GALVANIZED NIPPLES AND ELL AS REQUIRED
- ⑥ GALVANIZED ELL AND NIPPLE, TYPICAL EACH SIDE
- ⑦ PVC COUPLER AND SCH. 80 TOE NIPPLE, TYPICAL EACH SIDE

1 REDUCED PRESSURE BACKFLOW DEVICE
1" = 1'-0" FX-IR-FX-BACK-03

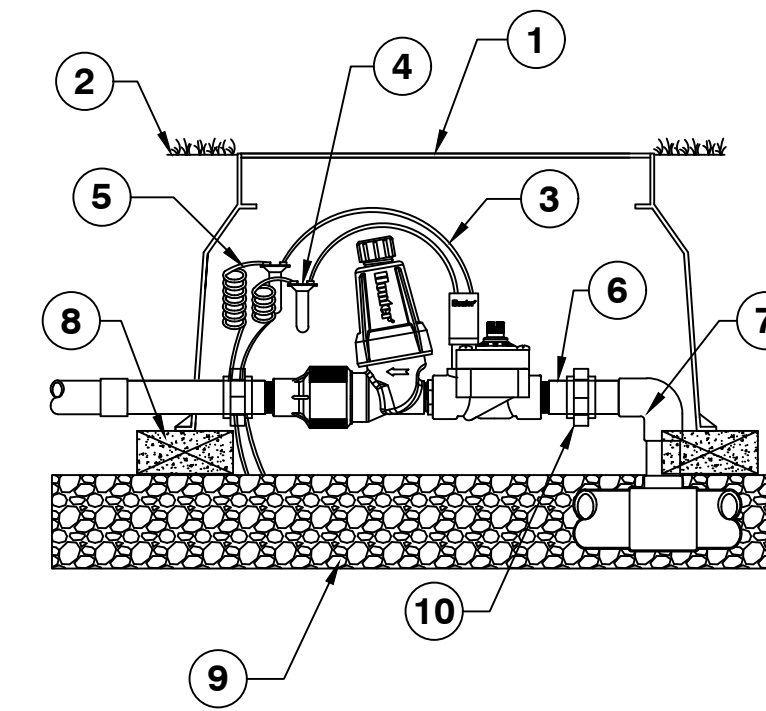


NOTE
SPECIFY 4, 7, 10, 13, 16 STATION MODEL CONTROLLER. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE.

2 PRO-C CONTROLLER
1 1/2" = 1'-0" FX-IR-HUNT-CONT-25

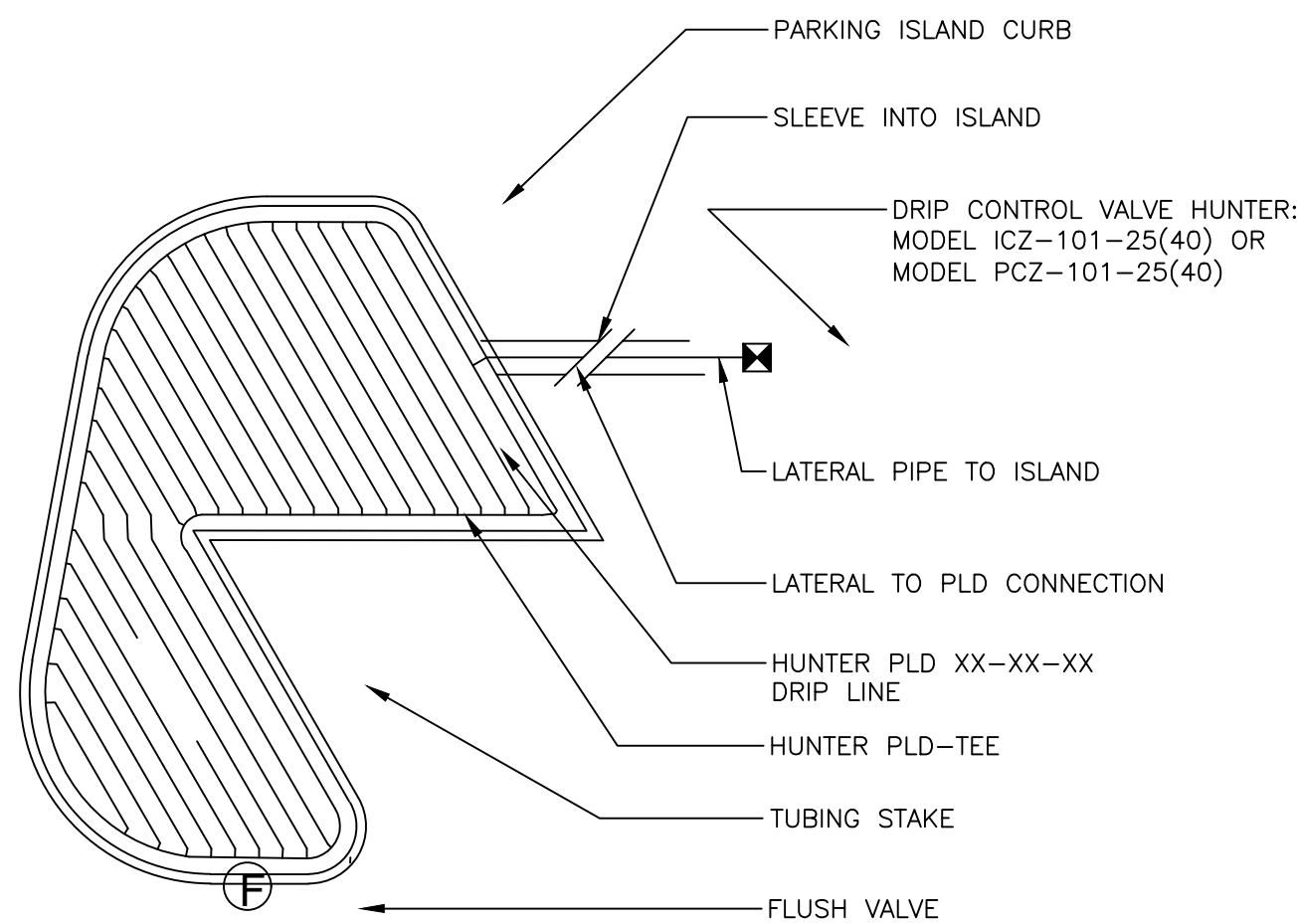


3 QUICK COUPLING VALVE IN BOX
1 1/2" = 1'-0" FX-IR-FX-QUIC-04

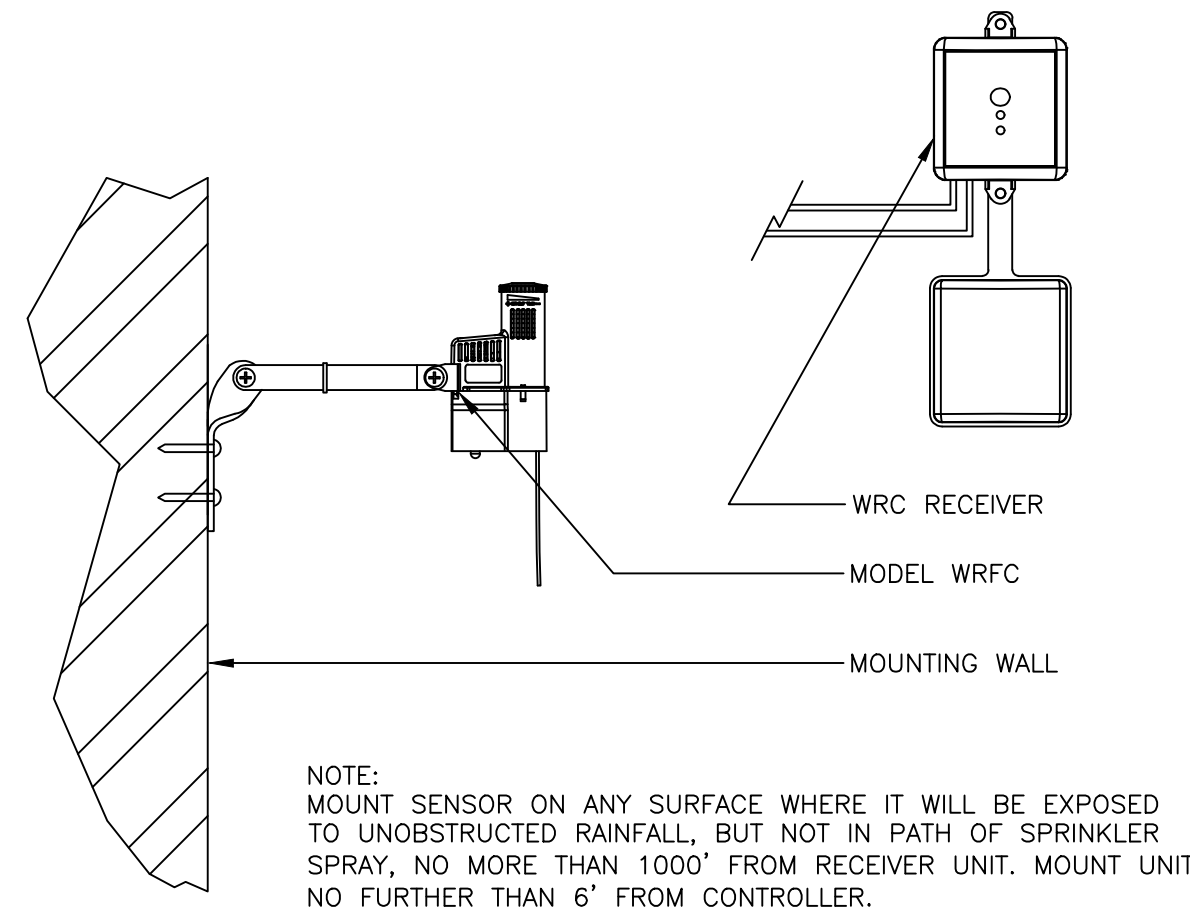


- ① STANDARD VALVE BOX
- ② FINISH GRADE
- ③ DRIP ZONE KIT: MODEL PCZ-101-1 FILTER, REGULATOR 25 OR 40 PSI
- ④ WATERPROOF CONNECTORS (2)
- ⑤ 18-24" COILED WIRE
- ⑥ SCH 80 T.O.E. NIPPLE
- ⑦ MAIN LINE PIPE & FITTINGS
- ⑧ BRICK SUPPORTS (4)
- ⑨ 3/4" MINUS WASHED GRAVEL
- ⑩ PVC SLIP UNIONS

4 PCZ-101-1 DRIP ZONE KIT
1 1/2" = 1'-0" FX-IR-HUNT-DRIP-07

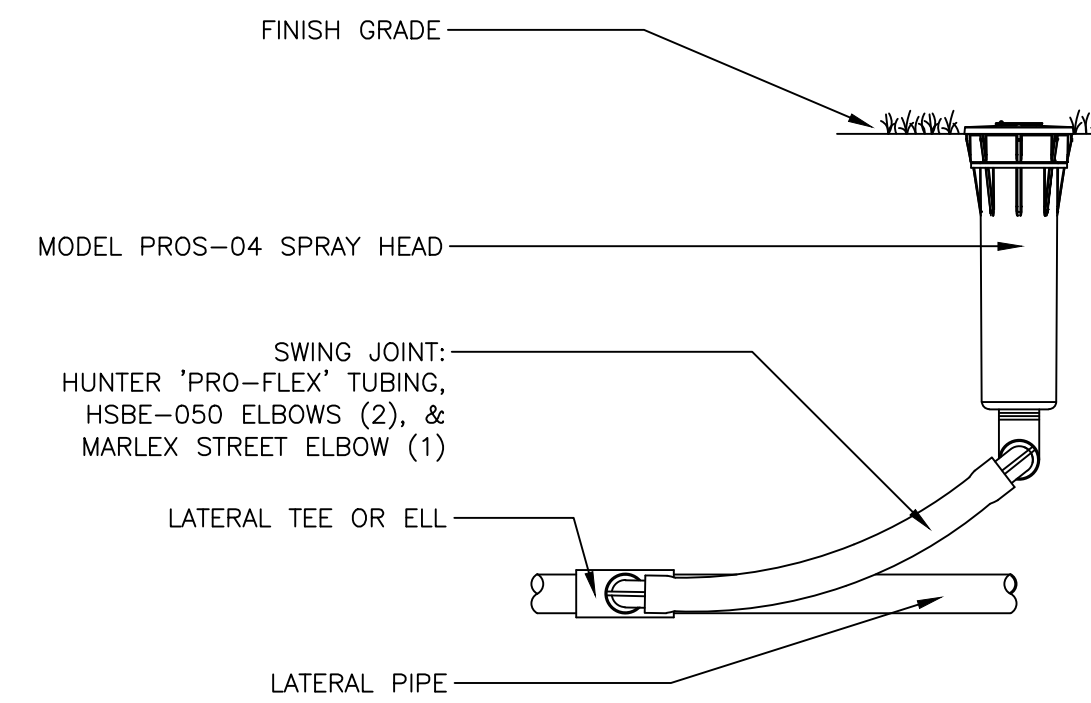


5 IRREGULAR ISLAND A
1" = 1'-0" FX-IR-HUNT-MICR-19

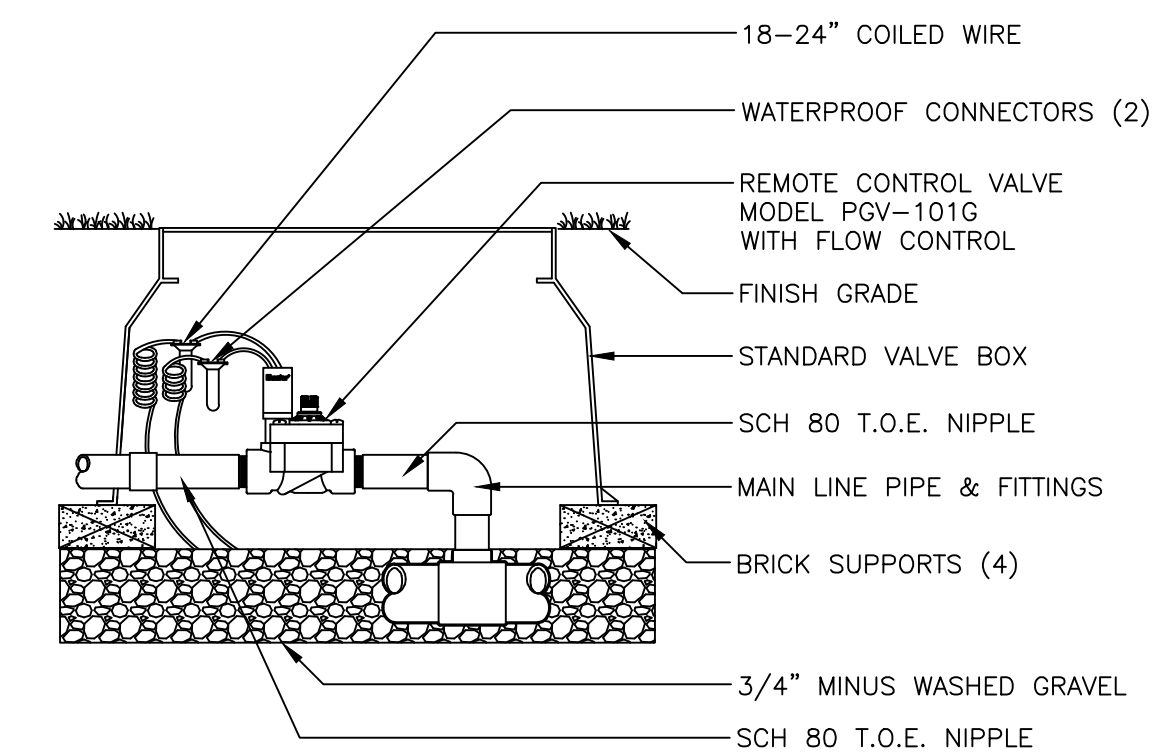


NOTE:
MOUNT SENSOR ON ANY SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY, NO MORE THAN 1000' FROM RECEIVER UNIT. MOUNT UNIT NO FURTHER THAN 6' FROM CONTROLLER.

6 WIRELESS RAIN/FREEZE-CLICK
3" = 1'-0" FX-IR-HUNT-SENS-18



7 PROS-04 SPRAY HEAD WITH PRO-FLEX TUBING
3" = 1'-0" FX-IR-HUNT-SPRA-20



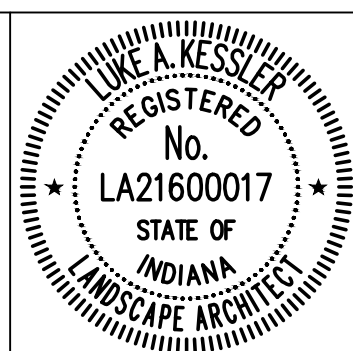
8 PGV GLOBE VALVE WITH FLOW CONTROL
1 1/2" = 1'-0" FX-IR-HUNT-VALV-03

GENERAL IRRIGATION NOTES:

1. This irrigation design is diagrammatic. Actual layout of piping, sprinkler heads, valves, controllers and related equipment shall be determined on site. Minor field adjustments shall be made at no additional cost to the Owner.
2. It is the responsibility of the irrigation contractor to be familiar with all grades difference, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as designed. Do not willfully install irrigation system as shown on the drawings when it is obvious in the field that the unknown obstructions, grades or dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and cost necessary.
3. The irrigation system design is based on running irrigation zones at a minimum operating pressure of 70 psi @ the point of connection (P.O.C.) and a maximum flow demand of 11 gpm. The irrigation contractor shall verify water pressure prior to construction. Report differences between requirements and actual readings to the owner's authorized representative. A booster pump may be necessary if the required pressure is not available. Additional costs shall be submitted to the Owner as a change order. The point of connection location is approximate. Verify exact location in the field with the Owner's representative. The flow demand for individual mainlines shall not exceed the following guidelines.
1" Class 200=0-17gpm
1.25" Class 200=18-28gpm
1.5" Class 200=29-35gpm
4. The Owner shall provide 120-AC power source at the controller location. The irrigation contractor shall make the final connection from the electrical source to the controller.
5. A Rain Sensor shall be installed in the vicinity of the controller. Coordinate mounting location with the Owner.

6. Install all backflow prevention devices and all piping between the point of connection and the backflow preventer as per local codes.
7. Final location of the backflow preventer and the automatic controller shall be approved by the Owner's representative per local codes.
8. A quick coupling valve shall be located at the irrigation water supply point of connection to provide for a point of injection of compressed air to purge the system of retained water for winterization.
9. Pipe size shall conform to those shown on the drawings. No substitutions of smaller sizes shall be permitted, but substitutions for larger sizes may be approved. Minimum pipe shall be 1".
10. All pipe and communication wire under hard surfaces shall be placed in separate sleeving. All wire shall run, whenever possible with the mainline.
11. All lateral zones shall be connected to the mainline with PVC pipe and sized as follows:
1" Class 200=0-17gpm
1.25" Class 160=18-28gpm
1.5" Class 160=29-35gpm
12. All sprinkler heads shall be set perpendicular and flush to finish grade and with a clearance of 2" (min.) from the edge of any hardscape unless otherwise specified.
13. Check valves shall be installed on all irrigation heads in areas where finish grade exceeds 4:1, where post valve shutoff draining of the irrigation head occurs or as directed by the Owner's representative.
14. All sprinkler heads and valves shall be flushed and adjusted for optimum coverage with minimum over spray on hardscapes and buildings.
15. All irrigation equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
16. Refer to the specifications for additional detailed information.

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Luke A. Kessler* 7/15/2024
LANDSCAPE ARCHITECT DATE

DESIGNED: CN DRAWN: CN
CHECKED: LK CHECKED: LK

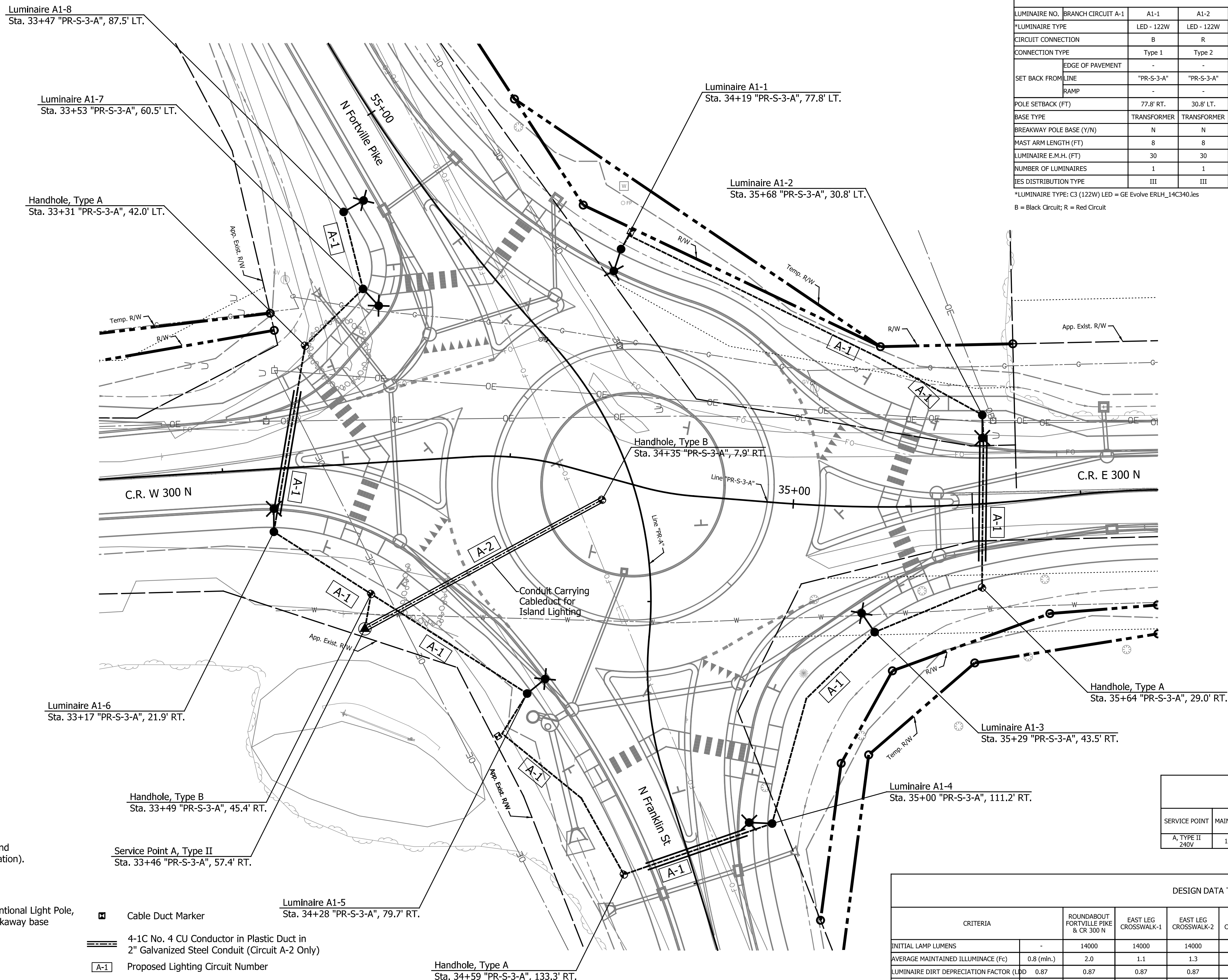
CITY OF GREENFIELD

IRRIGATION PLAN

HORIZONTAL SCALE	BRIDGE FILE
SEE SCALE BAR	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	28 of 56
CONTRACT	PROJECT
N/A	2205FFE

LIGHT POLE SCHEDULE									
LUMINAIRE NO.	BRANCH CIRCUIT A-1	A1-1	A1-2	A1-3	A1-4	A1-5	A1-6	A1-7	A1-8
LUMINAIRE TYPE	LED - 122W	LED - 122W	LED - 122W	LED - 122W	LED - 122W	LED - 122W	LED - 122W	LED - 122W	LED - 122W
CIRCUIT CONNECTION	B	R	B	R	B	R	B	R	B
CONNECTION TYPE	Type 1	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1
EDGE OF PAVEMENT	-	-	-	-	-	-	-	-	-
SET BACK FROM LINE	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"	"PR-S-3-A"
RAMP	-	-	-	-	-	-	-	-	-
POLE SETBACK (FT)	77.8' RT.	30.8' LT.	43.5' RT.	111.2' RT.	79.7' RT.	21.9' RT.	58.1' LT.	87.5' LT.	
BASE TYPE	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER	TRANSFORMER
BREAKWAY POLE BASE (Y/N)	N	N	N	N	N	N	N	N	N
MAST ARM LENGTH (FT)	8	8	8	8	8	8	8	8	8
LUMINAIRE E.M.H. (FT)	30	30	30	30	30	30	30	30	30
NUMBER OF LUMINAIRES	1	1	1	1	1	1	1	1	1
IES DISTRIBUTION TYPE	III	III	III	III	III	III	III	III	III

*LUMINAIRE TYPE: C3 (122W) LED = GE Evolve ERLH_14C340.ies
 B = Black Circuit; R = Red Circuit



GENERAL NOTES FOR CONTRACTOR

- The location of all underground and overhead utilities shown on this plan are based on topographic survey.
- It will be the Contractor's responsibility to field verify all utility locations prior to any excavation associated with the lighting construction.
- Contractor shall contact the design engineer to resolve any observed conflicts/discrepancies with these utilities.
- Contractor shall use the Type B handhole in the center island for spot lighting (See landscaping plans for receptacle information).

LEGEND

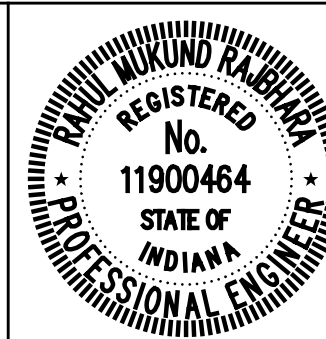
- Luminaire, 122W LED, Type 3 Distribution on Conventional Light Pole, 30' Mounting Height and 8' Mast Arm with Non-Breakaway base
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit
- 4-1C No. 4 CU Conductor in Plastic Duct in Trench
- Proposed Service Point A, Type II, 120/240V
- Cable Duct Marker
- 4-1C No. 4 CU Conductor in Plastic Duct in 2" Galvanized Steel Conduit (Circuit A-2 Only)
- Proposed Lighting Circuit Number
- Handhole (Type as shown)

Note:
 All proposed asymmetric conventional lighting luminaires are to be GE Evolve ERLH models, 122 W, Type III Distribution, as listed in INDOT's LED Approved Luminaire List.

SERVICE POINT AMP TABLE							
SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPS		COMPUTED AMPS TOTAL	MAX VOLTAGE DROP (%)	BRANCH CIRCUIT BREAKER
			BLACK	RED			
A, TYPE II 240V	100 AMP	A-1	2.03	2.03	4.06	0.27	2-30 AMP

DESIGN DATA TABLE									
CRITERIA	ROUNDBOUT FORTVILLE PIKE & CR 300 N	EAST LEG CROSSWALK-1	EAST LEG CROSSWALK-2	WEST LEG CROSSWALK-1	WEST LEG CROSSWALK-2	NORTH LEG CROSSWALK-1	NORTH LEG CROSSWALK-2	SOUTH LEG CROSSWALK-1	SOUTH LEG CROSSWALK-2
INITIAL LAMP LUMENS	-	14000	14000	14000	14000	14000	14000	14000	14000
AVERAGE MAINTAINED ILLUMINANCE (FC)	0.8 (min.)	2.0	1.1	1.3	1.2	1.4	1.1	1.4	1.2
LUMINAIRE DIRT DEPRECIATION FACTOR (LDD)	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
LIGHT LOSS FACTOR (LLF)	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
UNIFORMITY RATIO (AVE/MIN)	4.0:1 (max.)	2.5:1	1.1:1	1.2:1	1.3:1	1.3:1	1.1:1	1.4:1	1.3:1
MOUNTING HEIGHT (FL)	-	30	30	30	30	30	30	30	30
LUMINAIRE CLASSIFICATION	-	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III

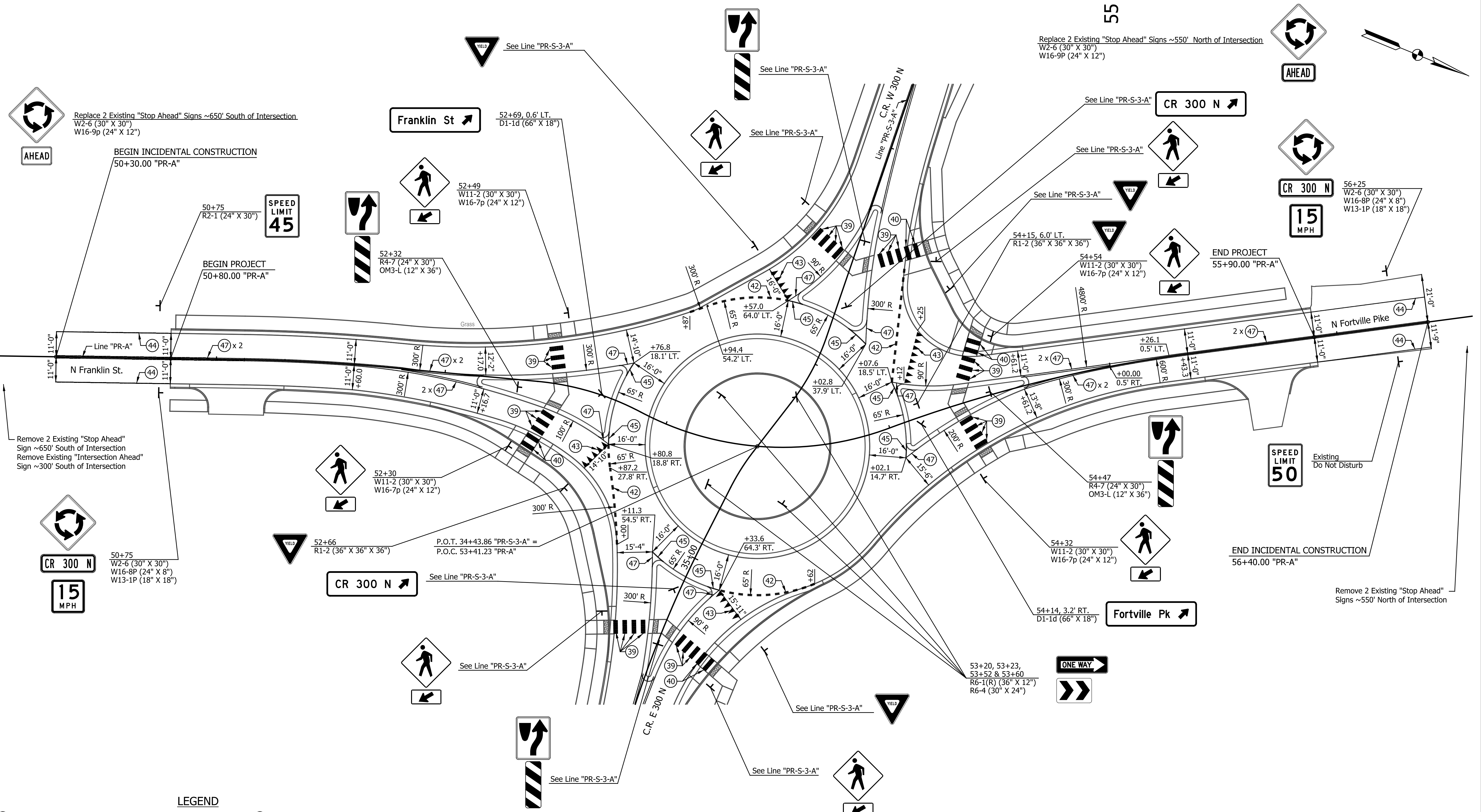
DATE	REVISION



RECOMMENDED FOR APPROVAL: *R. Rajagopala*
 DESIGN ENGINEER
 DATE: 6/07/2024
 DESIGNED: ASI DRAWN: ASI
 CHECKED: MSS CHECKED: RMR

CITY OF GREENFIELD
LIGHTING DETAILS

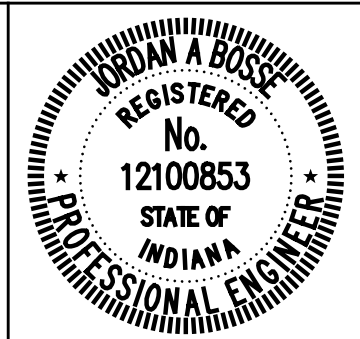
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	29 of 56
CONTRACT	PROJECT
N/A	2205FFE



- LEGEND**
- (39) Transverse Marking, Thermoplastic, Crosswalk Line, White, 12 in.
 - (40) Transverse Marking, Multi-Component, Crosswalk Line, White, 12 in.
 - (42) Line, Thermoplastic, Dotted, White, 12 in. (2' Line, 2' Gap)
 - (43) Transverse Marking, Thermoplastic, Yield Line, White, "Sharks Teeth" 24 in.
 - (44) Line, Thermoplastic, Solid, White, 4 in.
 - (45) Line, Thermoplastic, Solid, White, 6 in.
 - (47) Line, Thermoplastic, Solid, Yellow, 4 in.

NOTES:
 All Station and Offsets are taken from Line "PR-A", Except as Noted.
 For additional Pavement Markings and Sign Details, see Line "PR-S-3-A".
 Roundabout Ø ICD = 130'-0"

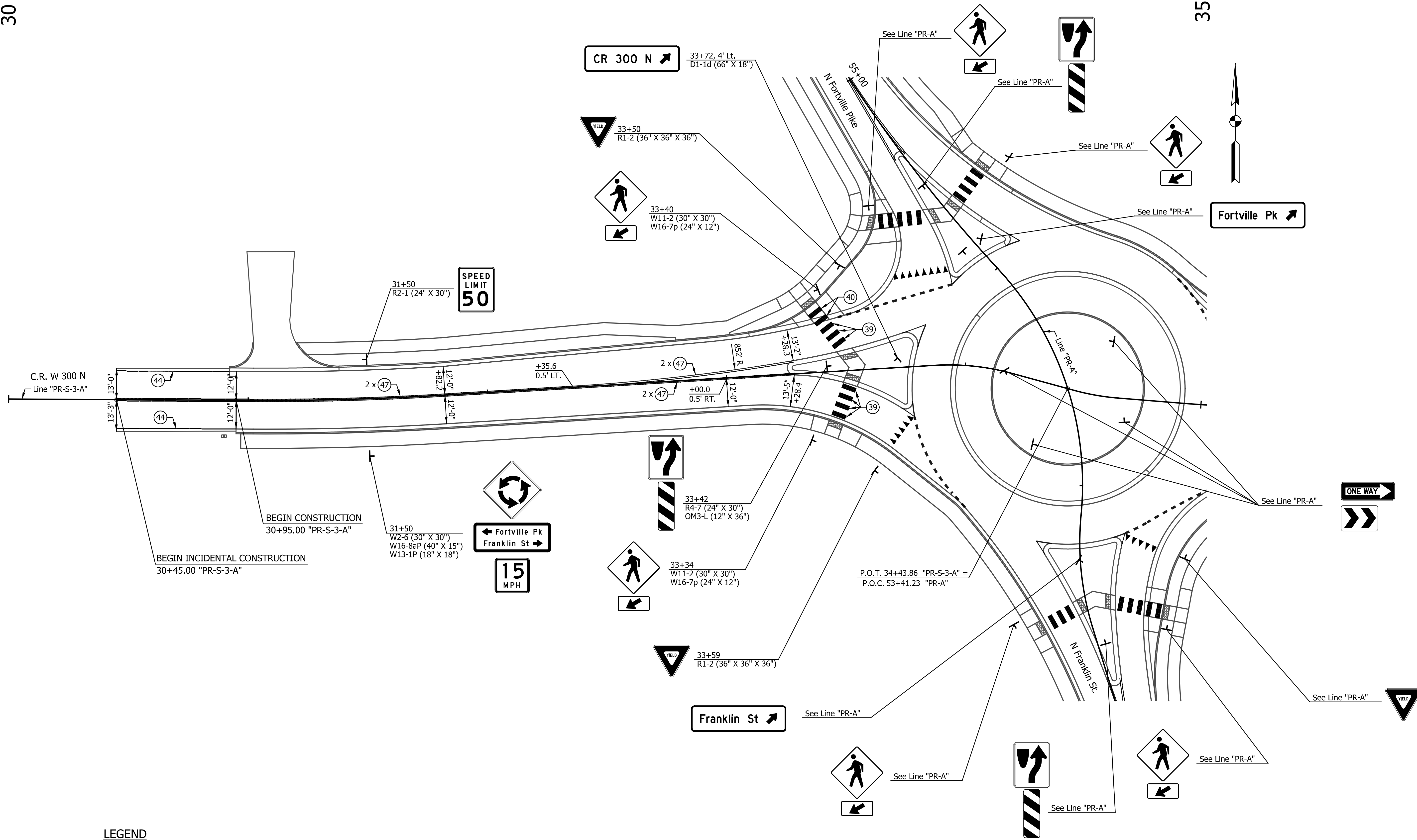
DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose*
 DESIGN ENGINEER
 DATE: 6/07/2024
 DESIGNED: JLH DRAWN: RJC
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
PAVEMENT MARKINGS AND SIGNING DETAILS
 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	30 of 56
CONTRACT	PROJECT
N/A	2205FFE

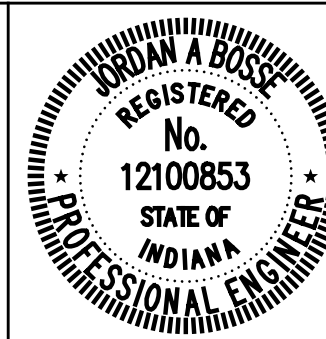


LEGEND

- (39) Transverse Marking, Thermoplastic, Crosswalk Line, White, 12 in.
- (40) Transverse Marking, Multi-Component, Crosswalk Line, White, 12 in.
- (42) Line, Thermoplastic, Dotted, White, 12 in. (2' Line, 2' Gap)
- (43) Transverse Marking, Thermoplastic, Yield Line, White, "Sharks Teeth" 24 in.
- (44) Line, Thermoplastic, Solid, White, 4 in.
- (45) Line, Thermoplastic, Solid, White, 6 in.
- (47) Line, Thermoplastic, Solid, Yellow, 4 in.

NOTES:
 All Station and Offsets are taken from Line "PR-S-3-A", Except as Noted.
 For additional Pavement Markings and Sign Details, see Lines "PR-A" and "PR-S-3-A".
 Roundabout Ø ICD = 130'-0"

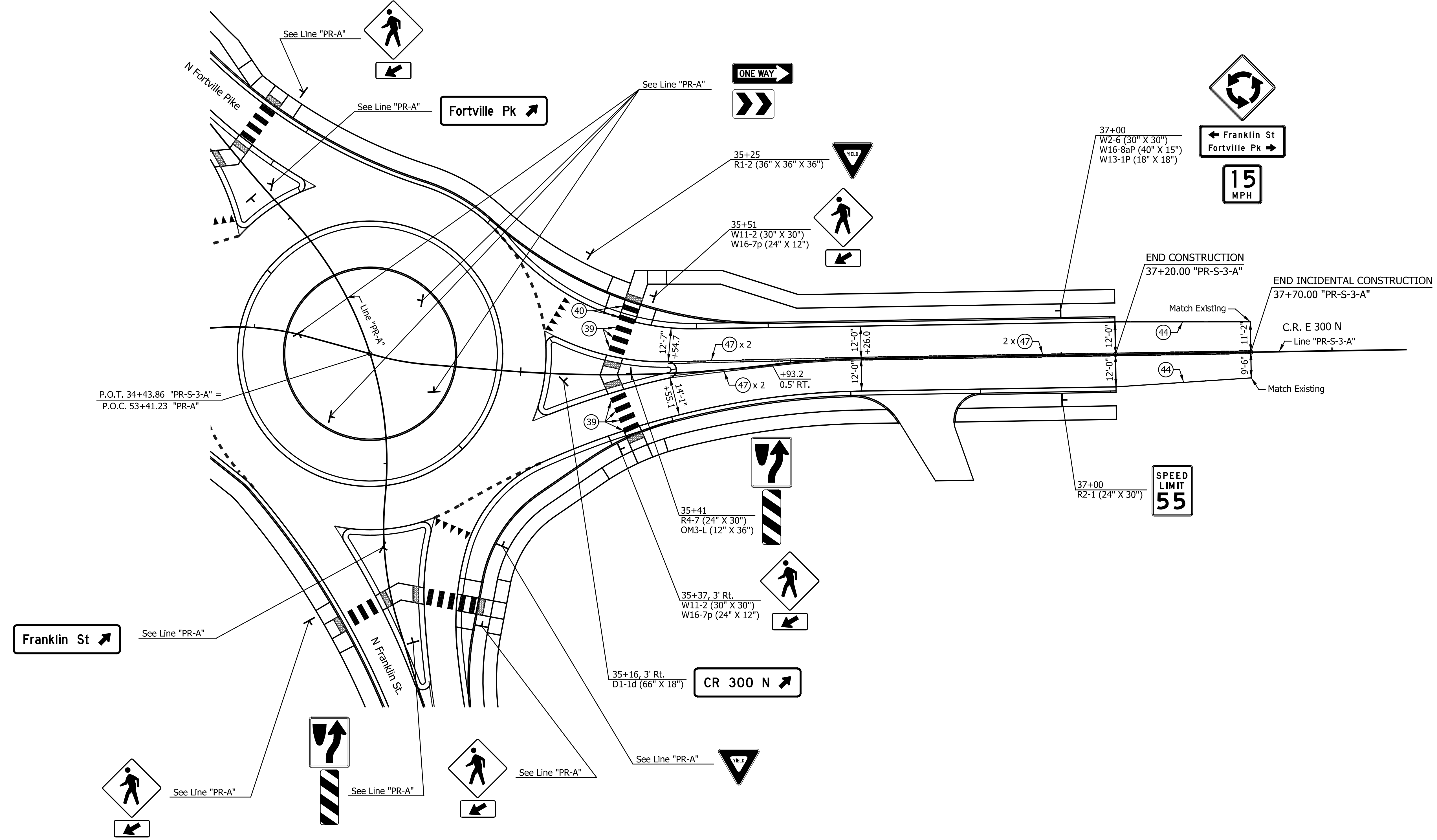
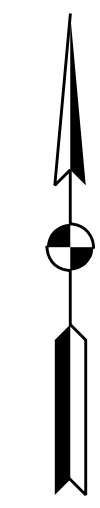
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Josh Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

CITY OF GREENFIELD
 PAVEMENT MARKINGS AND SIGNING DETAILS
 LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	31 of 56
CONTRACT	PROJECT
N/A	2205FFE

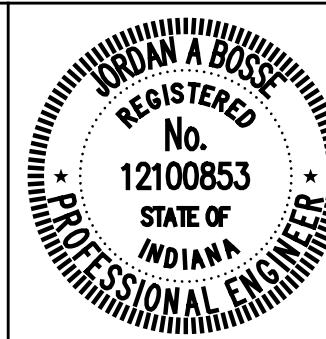


LEGEND

- (39) Transverse Marking, Thermoplastic, Crosswalk Line, White, 12 in.
- (40) Transverse Marking, Multi-Component, Crosswalk Line, White, 12 in.
- (42) Line, Thermoplastic, Dotted, White, 12 in. (2' Line, 2' Gap)
- (43) Transverse Marking, Thermoplastic, Yield Line, White, "Sharks Teeth" 24 in.
- (44) Line, Thermoplastic, Solid, White, 4 in.
- (45) Line, Thermoplastic, Solid, White, 6 in.
- (47) Line, Thermoplastic, Solid, Yellow, 4 in.

NOTES:
 All Station and Offsets are taken from Line "PR-S-3-A", Except as Noted.
 For additional Pavement Markings and Sign Details, see Lines "PR-A" and "PR-S-3-A".
 Roundabout Ø ICD = 130'-0"

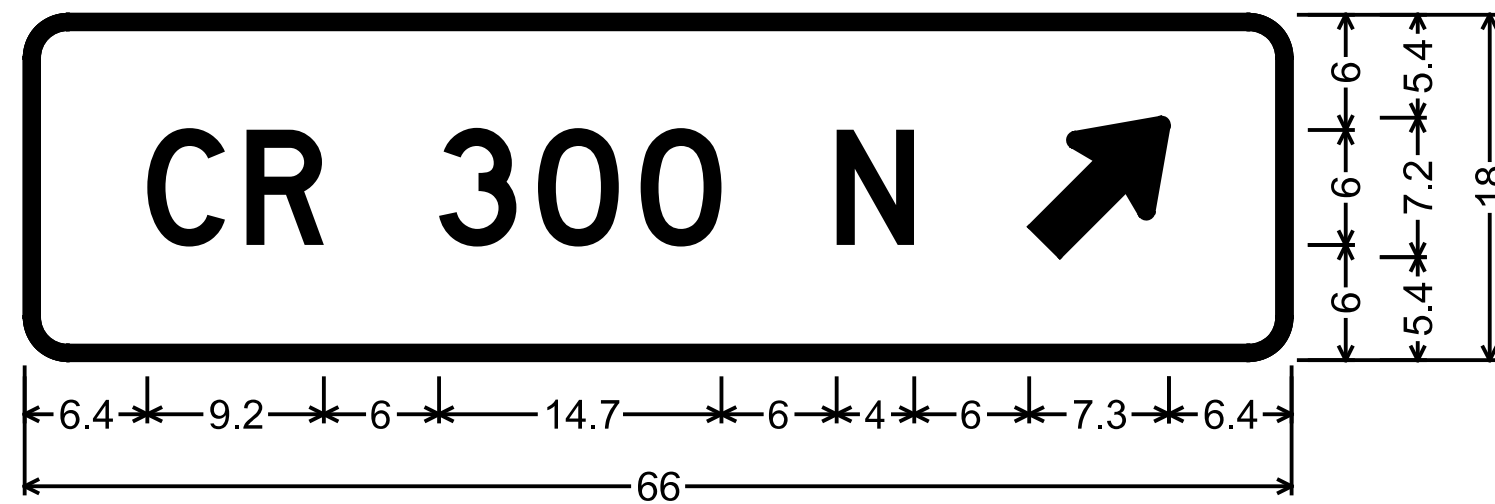
DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Jordan A. Bose</i>	DESIGN ENGINEER	6/07/2024
DESIGNED:	JLH	DRAWN:	RJC
CHECKED:	JAB	CHECKED:	JAB

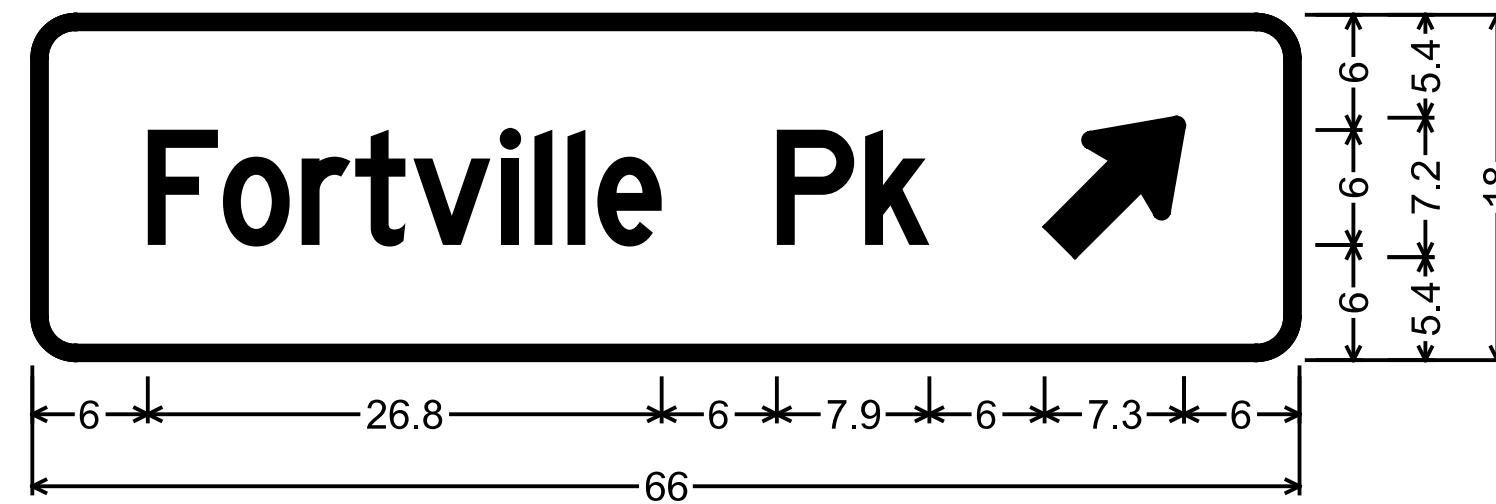
CITY OF GREENFIELD
PAVEMENT MARKINGS AND SIGNING DETAILS
 LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
N/A	32 of 56
CONTRACT	PROJECT
N/A	2205FFE



2.3" Radius, 0.8" Border, White on Green;
 "CR 300 N", D; Arrow Custom - 9.0" 45°;
 Table of letter and object lefts

C	R	3	0	0	N	↗
6.4	11.6	21.6	26.7	32.1	42.3	52.3



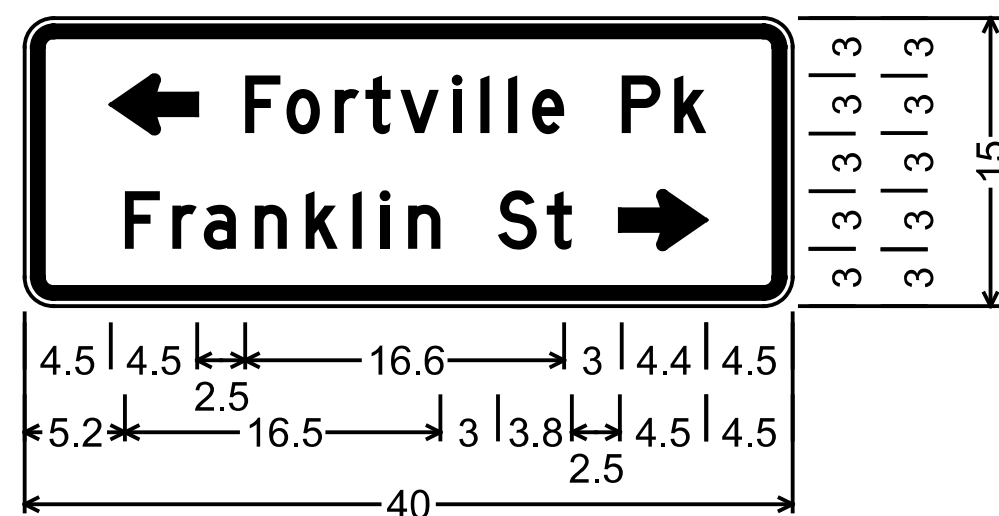
2.3" Radius, 0.8" Border, White on Green;
 "Fortville Pk", D 40% spacing; Arrow Custom - 9.0" 45°;
 Table of letter and object lefts

F	o	r	t	v	i	l	l	e	P	k	↗
6.0	9.9	14.0	16.8	19.8	24.4	26.1	27.9	29.4	38.8	43.4	52.7



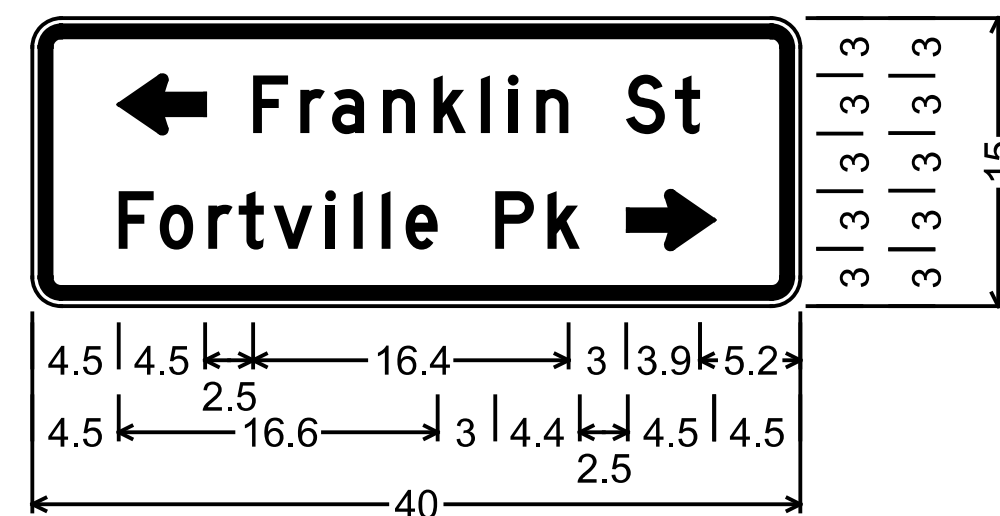
2.3" Radius, 0.8" Border, White on Green;
 "Franklin St", D 50% spacing; Arrow Custom - 9.0" 45°;
 Table of letter and object lefts

F	r	a	n	k	l	i	n	S	t	↗
6.2	10.5	13.4	17.7	22.1	26.2	28.1	30.0	39.4	43.9	52.5



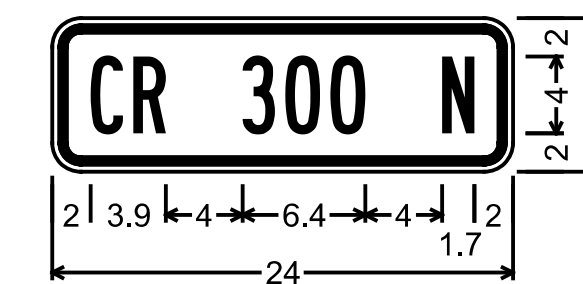
W16-8P_VARx15;
 1.5" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
 Arrow W16-8a; "Fortville Pk", D;
 "Franklin St", D; Arrow W16-8a;
 Table of letter and object lefts

↖	4.5										
F	o	r	t	v	i	l	l	e			
11.5	13.6	16.2	17.8	19.6	22.3	23.7	25.2	26.4			
P	k										
31.1	33.8										
F	r	a	n	k	l	i	n				
5.2	7.7	9.3	12.0	14.6	17.1	18.5	20.0				
S	t	↗									
24.7	27.2	31.0									



W16-8P_VARx15;
 1.5" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
 Arrow W16-8a; "Franklin St", D;
 "Fortville Pk", D; Arrow W16-8a;
 Table of letter and object lefts

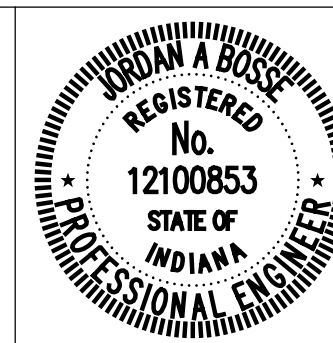
↖	4.5										
F	r	a	n	k	l	i	n				
11.5	14.0	15.6	18.3	20.9	23.4	24.8	26.3				
S	t										
30.9	33.5										
F	o	r	t	v	i	l	l	e			
4.5	6.6	9.2	10.8	12.6	15.3	16.7	18.2	19.4			
P	k	↗									
24.1	26.8	31.0									



W16-8P;
 1.5" Radius, 0.4" Border, 0.4" Indent, Black on Yellow;
 "CR 300 N", B 90% spacing;
 Table of letter and object lefts

C	R	3	0	0	N
2.0	4.2	9.9	12.1	14.5	20.3

DATE	REVISION



RECOMMENDED FOR APPROVAL	<i>Jordan A. Bose</i>	6/07/2024
	DESIGN ENGINEER	DATE
DESIGNED: ASV	DRAWN: ASV	
CHECKED: JAB	CHECKED: JAB	

CITY OF GREENFIELD
SHEET SIGN DETAILS

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	33 of 56
CONTRACT	PROJECT
N/A	2205FFE

SHEET SIGN & POST SUMMARY																		
PLAN SHEET NO. / LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (IN X IN)	GROUND - MOUNTED SIGN AREA (SFT)			MOUNTED ON PANEL SIGN. AREA (SFT)	U CHANNEL						POST				
				0.080"	0.100"	0.125"		0.080"	POST LENGTH		POST LENGTH		2" x 2" - 12 GA. (TYPE 2) REINFORCED ANCHOR		2 1/4" x 2 1/4" - 12 GA. (TYPE 1) REINFORCED ANCHOR			
									1	2	TYPE "A"	TYPE "B"	POST LENGTH (FT)		POST LENGTH (FT)			
				1	2	FT.		FT.	FT.	1	2	TOTAL	1	TOTAL				
Line "PR-A"	550' South of Intersection	W2-6	30 x 30	6.25													12.5	12.5
		W16-9P	24 x 12	2.00														
	50+75 Rt.	W2-6	30 x 30	6.25													12.5	12.5
		W16-8P	24 x 8	1.33														
		W13-1P	18 x 18	2.25														
	50+75 Lt.	R2-1(45)	24 x 30	5.00													10.5	10.5
	52+30 Rt.	W11-2	30 x 30	6.25													11.5	11.5
		W16-7P	24 x 12	2.00														
	52+32 Med.	R4-7	24 x 30	5.00													8.5	8.5
		OM3-L	12 x 36	3.00														
	52+49 Lt.	W11-2	30 x 30	6.25													11.5	11.5
		W16-7P	24 x 12	2.00														
	52+66 Rt.	R1-2	36 x 36		3.90												10.5	10.5
	52+69 Med.	D1-1d	66 x 18			8.25				7.5	7.5	15.0						
	53+20 Med.	R6-1(R)	36 x 12		3.00												6.0	6.0
		R6-4	30 x 24	5.00														
	53+23 Med.	R6-1(R)	36 x 12		3.00												6.0	6.0
		R6-4	30 x 24	5.00														
	53+52 Med.	R6-1(R)	36 x 12		3.00												6.0	6.0
		R6-4	30 x 24	5.00														
	53+60 Med.	R6-1(R)	36 x 12		3.00												6.0	6.0
		R6-4	30 x 24	5.00														
	54+14 Med.	D1-1d	66 x 18			8.25				7.5	7.5	15.0						
	54+15 Lt.	R1-2	36 x 36		3.90												10.5	10.5
	54+32 Rt.	W11-2	30 x 30	6.25													11.5	11.5
		W16-7P	24 x 12	2.00														
	54+47 Med.	R4-7	24 x 30	5.00													8.5	8.5
		OM3-L	12 x 36	3.00														
	54+54 Lt.	W11-2	30 x 30	6.25													11.5	11.5
		W16-7P	24 x 12	2.00														
	56+25 Lt.	W2-6	30 x 30	6.25													12.5	12.5
		W16-8P	24 x 8	1.33														
		W13-1P	18 x 18	2.25														

SHEET SIGN & POST SUMMARY																			
PLAN SHEET NO. / LINE	SIGN LOCATION	SIGN CODE	SIGN SIZE (IN X IN)	GROUND - MOUNTED SIGN AREA (SFT)			MOUNTED ON PANEL SIGN. AREA (SFT)	U CHANNEL						POST					
				0.080"	0.100"	0.125"		0.080"	POST LENGTH		POST LENGTH		2" x 2" - 12 GA. (TYPE 2) REINFORCED ANCHOR		2 1/4" x 2 1/4" - 12 GA. (TYPE 1) REINFORCED ANCHOR				
									1	2	TYPE "A"	TYPE "B"	POST LENGTH (FT)		POST LENGTH (FT)				
				1	2	FT.		FT.	FT.	1	2	TOTAL	1	TOTAL					
Line "PR-A"	550' North of Intersection	W2-6	30 x 30	6.25															
		W16-9P	24 x 12	2.00														12.5	12.5
Line "PR-S-3-A"	31+50 Rt.	W2-6	30 x 30	6.25														13.0	13.0
		W16-8P	40 x 15		4.17														
		W13-1P	18 x 18	2.25															
	31+50 Lt.	R2-1(50)	24 x 30	5.00													10.5	10.5	
	33+34 Rt.	W11-2	30 x 30	6.25													11.5	11.5	
		W16-7P	24 x 12	2.00															
	33+40 Lt.	W11-2	30 x 30	6.25													11.5	11.5	
		W16-7P	24 x 12	2.00															
	33+42 Med.	R4-7	24 x 30	5.00													8.5	8.5	
		OM3-L	12 x 36	3.00															
	33+50 Lt.	R1-2	36 x 36		3.90												10.5	10.5	
	33+59 Rt.	R1-2	36 x 36		3.90												10.5	10.5	
	33+72 Med.	D1-1d	66 x 18			8.25				7.5	7.5	15.0							
	35+16 Med.	D1-1d	66 x 18			8.25				7.5	7.5	15.0							
	35+25 Lt.	R1-2	36 x 36		3.90												10.5	10.5	
	35+37 Rt.	W11-2	30 x 30	6.25													11.5	11.5	
		W16-7P	24 x 12	2.00															
	35+41 Med.	R4-7	24 x 30	5.00													8.5	8.5	
		OM3-L	12 x 36	3.00															
	35+51 Lt.	W11-2	30 x 30	6.25													11.5	11.5	
		W16-7P	24 x 12	2.00															
	37+00 Rt.	R2-1(55)	24 x 30	5.00													10.5	10.5	
	37+00 Lt.	W2-6	30 x 30	6.25													13.0	13.0	
		W16-8P	40 x 15		4.17														
		W13-1P	18 x 18	2.25															
Total				186.50	40.00	33.00											60.0	310.0	

DATE	REVISION



RECOMMENDED FOR APPROVAL *Jordan A. Boese* 6/07/2024
DESIGN ENGINEER DATE

DESIGNED: ASV DRAWN: ASV
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

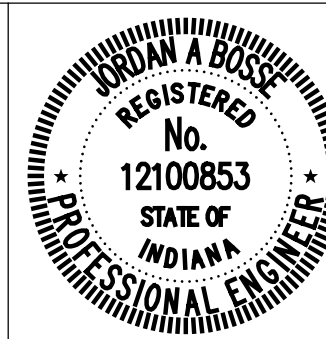
SHEET SIGN AND POST SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	34 of 56
CONTRACT	PROJECT
N/A	2205FFE

SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	CLEAR ZONE AT DRIVE	MILLING, ASPHALT, 1 1/2 IN.	QC/QA-HMA, 2, 64,				JOINT ADHESIVE		LIQUID ASPHALT SEALANT	HMA FOR TACK COAT	SUBGRADE TREATMENT		PCCP FOR TRUCK APRON	PCCP FOR APPROACHES	COMPACTED AGGREGATE, NO. 53	DENSE GRADED SUBBASE	SIDEWALK, CONCRETE	REMARKS	
						COMPACTED AGGREGATE BASE	HMA	CONCRETE				SURFACE 9.5 mm	INTERMD. 19.0 mm	BASE 19.0 mm	BASE 19.0 mm													
		LBS. PER SYS.														SURFACE	INTERM.			II	IBC							7 IN.
		1	2	3		165	275	385				385	LFT	LFT	LFT													
%	%	%	FT	SYS	TONS	TONS	TONS	TONS	LFT	LFT	LFT	TONS	SYS.	SYS.	SYS.	SYS.	CYS.	CYS.	SYS.									
Line "PR-A"											300	179	257	360	430	599	499	599	2		3213	610		152		490		
51+08.9 RT.	Mod. Class I	24.0	13.0	8.5-8.5				-3.4	-1.5											43			43		7		Mod. Radius	
55+66.3 RT.	Class I	12.5	25.8	20-10				1.5	4.4											63			63		11			
Line "PR-S-3-A"											269	135	187	262	328	537	437	537	2		2080	222		56		597		
31+11.0 LT.	Class I	16.0	50.0	20-10				2.0	6.0	14.0													113		113		19	
36+50.0 RT.	Class I	17.6	33.6	20-10				1.5	-6.0	-10.0													82		82		14	
TOTALS =											569	314	445	622	759	1136	936	1136	4		301	5294	832	301	208	51	1088	

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* 6/07/2024
 DESIGN ENGINEER DATE

DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

SUMMARY OF QUANTITIES AND APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	35 of 56
CONTRACT	PROJECT
N/A	2205FFE

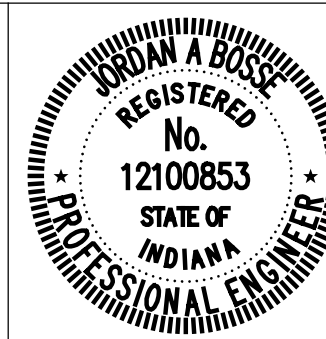
PAVED SIDE DITCH & SODDING SUMMARY TABLE

FROM STATION	TO STATION	LOCATION				DITCH SLOPE	DITCH WIDTH	SIDE SLOPE LEFT	SIDE SLOPE RIGHT	PAVED SIDE DITCH				FLEXAMAT®	SODDING					RIPRAP			GEOTEXTILES FOR RIPRAP, TYPE IA	
		LEFT	MEDIAN	RIGHT	ROCK CUT					TOTAL PAY LENGTHS					FOR PAVED SIDE DITCH	FOR DITCHES	FOR MEDIAN	FOR SHOULDER	FOR LAWN	REVETMENT	CLASS 1	CLASS 2		UNIFORM
										TYPE														
										FT	FT	FT	FT											
Line "PR-A"																								
50+69.48	52+00.00	X				0.24%	0.0	3.0	3.0															
52+00.00	52+30.00	X				0.26%	0.0	3.0	3.0															
51+40.00	52+00.00			X		0.66%	0.0	3.0	3.0															
52+00.00	52+88.01			X		0.30%	0.0	3.0	3.0															
53+66.63	54+36.00			X		0.93%	0.0	3.0	3.0															
54+36.00	55+47.21			X		2.57%	0.0	3.0	3.0				35.8											
54+60.00	55+65.00	X				5.25%	0.0	3.0	3.0								57.0					114.20		
Line "PR-S-3-A"																								
32+20.00	33+34.34	X				0.32%	0.0	3.0	3.0															
34+89.76	35+18.00	X				8.00%	0.0	3.0	3.0								15.0						30.10	
35+18.00	35+44.24	X				0.30%	0.0	3.0	3.0								13.0						27.00	
35+44.24	36+10.00	X				0.30%	0.0	3.0	3.0															
36+10.00	36+18.45	X				0.30%	0.0	3.0	3.0															
36+18.45	36+67.00	X				Std.	0.0	3.0	3.0				32.4											
36+67.00	37+20.00	X				Std.	0.0	3.0	3.0								27.0						55.00	
37+20.00	37+58.53	X				4.93%	0.0	3.0	3.0								21.0						42.60	
35+34.78	36+36.67			X		0.30%	0.0	3.0	3.0															
36+68.67	37+20.00			X		8.67%	0.0	3.0	3.0								26.0						53.40	
TOTALS =																		69.0						323.00

MAILBOX APPROACHES

LT./RT.	CL BOX STATION	DESCRIPTION	MAILBOX RESET	REMARKS
RT.	55+43	Line "PR-A"	1	Place in buffer between sidewalk and curb
RT.	30+90	Line "PR-S-3-A"	1	
LT.	36+46	Line "PR-S-3-A"	1	Place in buffer between sidewalk and curb
TOTAL			3	

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* 6/07/2024 DATE
 DESIGN ENGINEER
 DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
 MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	36 of 56
CONTRACT	PROJECT
N/A	2205FFE

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE										OUTLET PIPE								OUTLET PROTECTORS				REMARKS				
	TYPE 4 PIPE		GEOTEXTILES FOR UNDERDRAINS	AGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOW ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED	CONNECT UNDERDRAIN PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	45 DEGREE ELBOWS REQUIRED (1 OR 2)	6 IN OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO.	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	B BORROW FOR STRUCTURE BACKFILL	HMA FOR UNDERDRAIN	OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE		LOCATION			
	4 IN. FT.	6 IN. FT.																						SYS.	CYS.	TON	(%)
Line "PR-A"																											
OUTSIDE LEFT																											
50+80.0		120	108.0	10.8	0.30%	903.29	Y			2	14	50+80	903.25	OP-1	903.01						OP-1	1	X			Mod. Depth	
52+00.0						903.65																				Mod. Depth	
52+00.0		67	60.3	6.0		903.86	N	100	903.36																	Mod. Depth	
52+65.0						905.09																				Mod. Depth	
52+65.0		38.1	34.3	3.4		904.67	N	105	903.48																		
52+88.6						904.82																				High Point	
52+88.6		43	38.7	3.9		904.82																				High Point	
33+60.0 "PR-S-3-A"						904.62	N	201	903.73																		
54+28.0		42	37.8	3.8		905.65	N	108	904.50																		
54+70.0						907.19																					
54+70.0		120	108.0	10.8		907.19	N	111	904.90																		
55+90.0						910.19																					
Line "PR-A"																											
OUTSIDE RIGHT																											
50+80.0		120	108.0	10.8	0.30%	903.34	Y			2	30	50+80	903.25	OP-1	903.01						OP-1	1	X			Mod. Depth	
52+00.0						903.70																				Mod. Depth	
52+00.0		68	61.2	6.1		903.93	N	101	903.43																		
52+70.0						905.56																					
52+70.0		37	33.3	3.3		905.01	N	106	903.56																		
53+00.0						905.50																				High Point	
53+64.2		69	62.1	6.2		906.33																					
54+13.4						905.84	Y	107	904.65	2	17					107	904.50									Low Point	
54+13.4		57	50.9	5.1		906.34	Y	107	904.65	2	17					107	904.50									Low Point, Mod. Depth	
54+70.0						907.50																				Mod. Depth	
54+70.0		117	105.3	10.5		907.74	N	112	904.90																		
55+90.0						910.73																					
ROUNDBOUT CENTER ISLAND																											
53+09.9, 9.1' LT.		80	72.0	7.2		905.49	Y	106A	904.99	2						105										See Structure Data Table	
53+54.5, 27.9' RT.						906.24																					
53+09.9, 9.1' LT.		80	72.0	7.2		905.49																					
53+54.5, 27.9' RT.						906.24																					
SUBTOTAL		1058	952	95						10	78																

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Josh Bose* 6/07/2024
DESIGN ENGINEER DATE

DESIGNED: ASV DRAWN: ASV
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

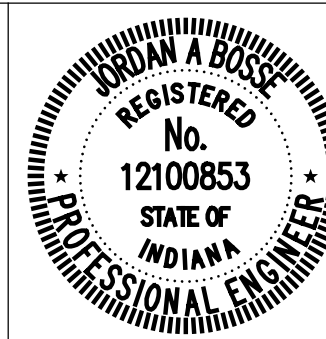
UNDERDRAIN TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	37 of 56
CONTRACT	PROJECT
N/A	2205FFE

UNDERDRAIN TABLE

UNDERDRAIN PIPE LIMITS	UNDERDRAIN PIPE										OUTLET PIPE								OUTLET PROTECTORS				REMARKS							
	TYPE 4 PIPE		GEOTEXTILES FOR UNDERDRAINS	AGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOW ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED	CONNECT UNDERDRAIN PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	45 DEGREE ELBOWS REQUIRED (1 OR 2)	6 IN OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO.	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	B BORROW FOR STRUCTURE BACKFILL	HMA FOR UNDERDRAIN	OUTLET PROTECTOR NO.	OUTLET PROTECTOR TYPE		LOCATION						
	4 IN.	6 IN.																						OUTSIDE LEFT	MEDIAN LEFT	MEDIAN RIGHT	OUTSIDE RIGHT			
FT.	FT.	SYS.	CYS.	TON	(%)	(Y/N)	LFT.	CYS.	TONS																					
Line "PR-S-3-A"																														
OUTSIDE LEFT																														
30+95.0						903.16																				Mod. Depth				
31+23.0		28	25.2	2.5	0.25%	903.08	Y			2	46	31+23	902.94	OP-2	902.44											X	Mod. Depth, Low Point			
31+27.0						903.08	Y			2	46	31+27	902.94	OP-3	902.44											X	Mod. Depth, Low Point			
32+95.0		233	209.7	21.0	0.25%	903.50																						Mod. Depth		
33+60.0						904.68																								
33+60.0		19	17.1	1.7		904.68	N	200	903.87																					
54+28.0 "PR-A"						905.68																								
34+83.4		42	37.8	3.8		906.35																						Mod. Depth		
36+10.0						904.62	N	205	904.12																				Mod. Depth, Low Point	
36+50.0		70	63.0	6.3		904.90	N	207	904.26																					
37+20.0						906.81																								
Line "PR-S-3-A"																														
OUTSIDE RIGHT																														
30+95.0						903.16																							Mod. Depth	
31+23.0		5	4.5	0.5	0.25%	903.08	Y			2	16	31+23	902.94	OP-2	902.44													X	Mod. Depth	
31+27.0						903.08	Y			2	16	31+27	902.94	OP-3	902.44												X	Mod. Depth		
32+95.0		240	216.0	21.6	0.25%	903.50																							Mod. Depth	
33+60.0						904.61																								
35+08.9						905.50																							High Point	
35+50.0		44	39.6	4.0		905.08	N	203	903.68																					
36+05.0		5	4.5	0.5	0.40%	905.32																								
36+10.0						905.30	N	206	903.90																					Low Point
36+10.0		5	4.5	0.5	0.40%	905.30	N	206	903.90																					Low Point
36+15.0						905.32																								
36+80.0		38	34.2	3.4		905.50	N	209	904.74																					
37+20.0						906.81																								
SUBTOTAL		729	656	66						8	124																			
TOTAL		1787	1608	161						18	202																			

DATE	REVISION



RECOMMENDED FOR APPROVAL *Jordan A. Bose* 6/07/2024
 DESIGN ENGINEER DATE

DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

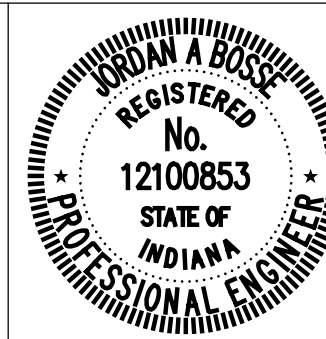
UNDERDRAIN TABLE

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	38 of 56
CONTRACT	PROJECT
N/A	2205FFE

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE IN	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	SKEW	FLOW LINE			SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL CYS	TYPE	FLOWABLE BACKFILL CYS	TYPE	GEOTEXTILES SYS	REVTMENT RIPRAP TON	SCOUR PROTECTION				VIDEO INSPECTION LFT	PIPE END SECTION EA	CONNECT TO STR. NO.	REMARKS	
	STATION	LEFT	RIGHT	CROSS	OFFSET FT					PIPE TYPE	COVER FT	UP STREAM ELEV.											DOWN STREAM ELEV.	SUMP DEPTH IN	GEOTEXTILE SYS	RIPRAP					
																										TYPE					TONS
Line "PR-A"																															
CTO-1	51+00.0	x																	1A	4.7	1.1										
CTO-2	51+40.0		x																1A	3.6	1.9										
100	52+00.0	x				15	2												1A	3.9	2.1				17	1		15" Pipe End Section Req'd.			
101	52+00.0		x			15	2																		25		100				
102	52+00.0		x		34.5	15	2																		19	1	101	15" Pipe End Section Req'd. on US End			
103	52+62.0	x			35.0	24	2												1A	12.5	5.3				36	1		24" Pipe End Section Req'd.			
104	52+64.0	x			40.6		N/A																				103	See Stormwater Treatment Structure Details			
105	52+65.0	x				24	2																		4		103				
106	52+70.0		x			24	2																		54		105				
106A	53+09.9	x			9.1	6	N/A																				105	Underdrain Outlet Pipe Req'd, See Underdrain Table			
107	54+10.0		x			12	2																		42		108				
108	54+28.0	x				12	2																		18		200				
109	54+36.0		x		51.2	12	2																		30		200				
110	54+60.0	x			50.0	12	2																		38	1	200	12" Pipe End Section Req'd. on US End			
111	54+70.0	x				12	2																		42		108				
112	54+70.0		x			12	2																				111				
Line "PR-S-3-A"																															
CTO-3	31+25.0		x																												
CTO-4	32+20.0	x																													
200	33+60.0	x				15	2																		50		201				
201	33+60.0		x			15	2																		79		105				
202	35+50.0	x				18	2																		18		203				
203	35+50.0		x			24	2																		78		106				
204	36+10.0	x			29.5	15	2																		13		205				

DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* 6/07/2024 DATE
 DESIGN ENGINEER
 DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

STRUCTURE DATA TABLE

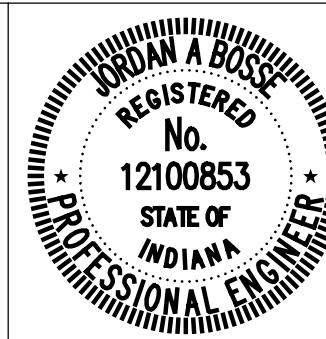
HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	39 of 56
CONTRACT	PROJECT
N/A	2205FFE

I:\a\c\j\jslck\Indiana_Shae\01

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE FT IN	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	SKEW	FLOW LINE			SERVICE LIFE YR.	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL CYS	TYPE	FLOWABLE BACKFILL CYS	TYPE	GEOTEXTILES SYS	REVTMENT RIPRAP TON	SCOUR PROTECTION				VIDEO INSPECTION LFT	PIPE END SECTION EA	CONNECT TO STR. NO.	REMARKS	
	STATION	LEFT	RIGHT	CROSS	OFFSET FT					PIPE TYPE	COVER FT	UP STREAM ELEV.											DOWN STREAM ELEV.	SUMP DEPTH IN	GEOTEXTILE SYS	RIPRAP					
																										TYPE					TONS
205	36+10.0	x				15	2	Manhole C-10	56		1.2	904.12	903.73	75	N/A	7.0	1	15.3	2								56		202		
206	36+10.0		x			12	2	Inlet M-10	57		1.7	903.90	903.68	75	N/A	7.0	1	17.1	2								57		203		
207	36+50.0	x				12	2	Inlet J-10	37		1.5	904.26	904.12	75	N/A	7.0	1	10.1	2								37		205		
208	36+52.7		x	33.6		15	3	Pipe	32		1.0	904.48	904.38	75	N/A	7.0	1	7.9	2	1A	3.9	2.1				-	2		2-15" Pipe End Sections Req'd.		
209	36+80.0		x			12	2	Inlet J-10	66		2.6	904.74	903.90	75	N/A	7.0	1	24.0	2								66		206		

DATE	REVISION



RECOMMENDED FOR APPROVAL *Josh Bose* 6/07/2024
 DESIGN ENGINEER DATE

DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

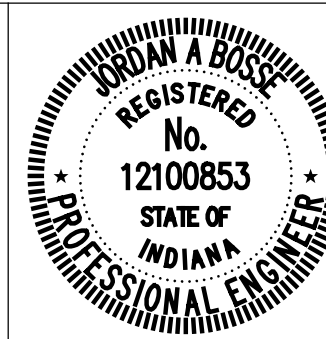
STRUCTURE DATA TABLE

HORIZONTAL SCALE NONE	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 2205FFE
SURVEY BOOK AAA	SHEETS 40 of 56
CONTRACT N/A	PROJECT 2205FFE

I:\projects\2022\02696\0.D Drawings\202202696.RD.SD.02.dgn

		STRUCTURE NUMBER																							
PIPE TYPE / SHAPE		100	101	102	103	104	105	106	107	108	109	110	111	112	200	201	202	203	204	205	206	207	208	209	
SMOOTH PIPE SIZE		2/CIR	2/CIR	2/CIR	2/CIR	Intentionally	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	
CORRUGATED PIPE SIZE		15	15	15	24	Omitted	24	24	12	12	12	12	12	12	15	15	18	24	15	15	12	12	15	12	
RCP / RCHP (S)	CLASS	II	II	II	II		II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	
D 0.01 RATING		1000	1000	1000	1000		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)		OK			OK		OK		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	
CORRUGATED PE PIPE, TYPE S (S) *													OK	OK		OK									
PROFILE WALL (RIBBED) PE PIPE (S) *																									
CORRUGATED POLYPROPYLENE PIPE													OK	OK		OK									
PROFILE WALL (CLOSED) PE PIPE (S)																									
SMOOTH WALL PE PIPE (S)																									
SMOOTH WALL PE PIPE (S) * / MAXIMUM DR													OK/26	OK/26		OK/26									
PROFILE WALL PVC PIPE (S)													OK	OK		OK									
SMOOTH WALL PVC PIPE (S) *													OK	OK		OK									
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																									
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS																							
	ZINC COATED (C)	CORR. PROFILE THICKNESS																							
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																							
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																							
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE THICKNESS																							
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE THICKNESS																							
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE THICKNESS																							
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE THICKNESS																							
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE THICKNESS																							
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE THICKNESS																							
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE THICKNESS																							
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE THICKNESS																							
	STR. PLATE ALUMINUM ALLOY PIPE (C)	CORR. PROFILE THICKNESS																							
	STR. PLATE ALUMINUM ALLOY PIPE W/ CFP (C)	CORR. PROFILE THICKNESS																							

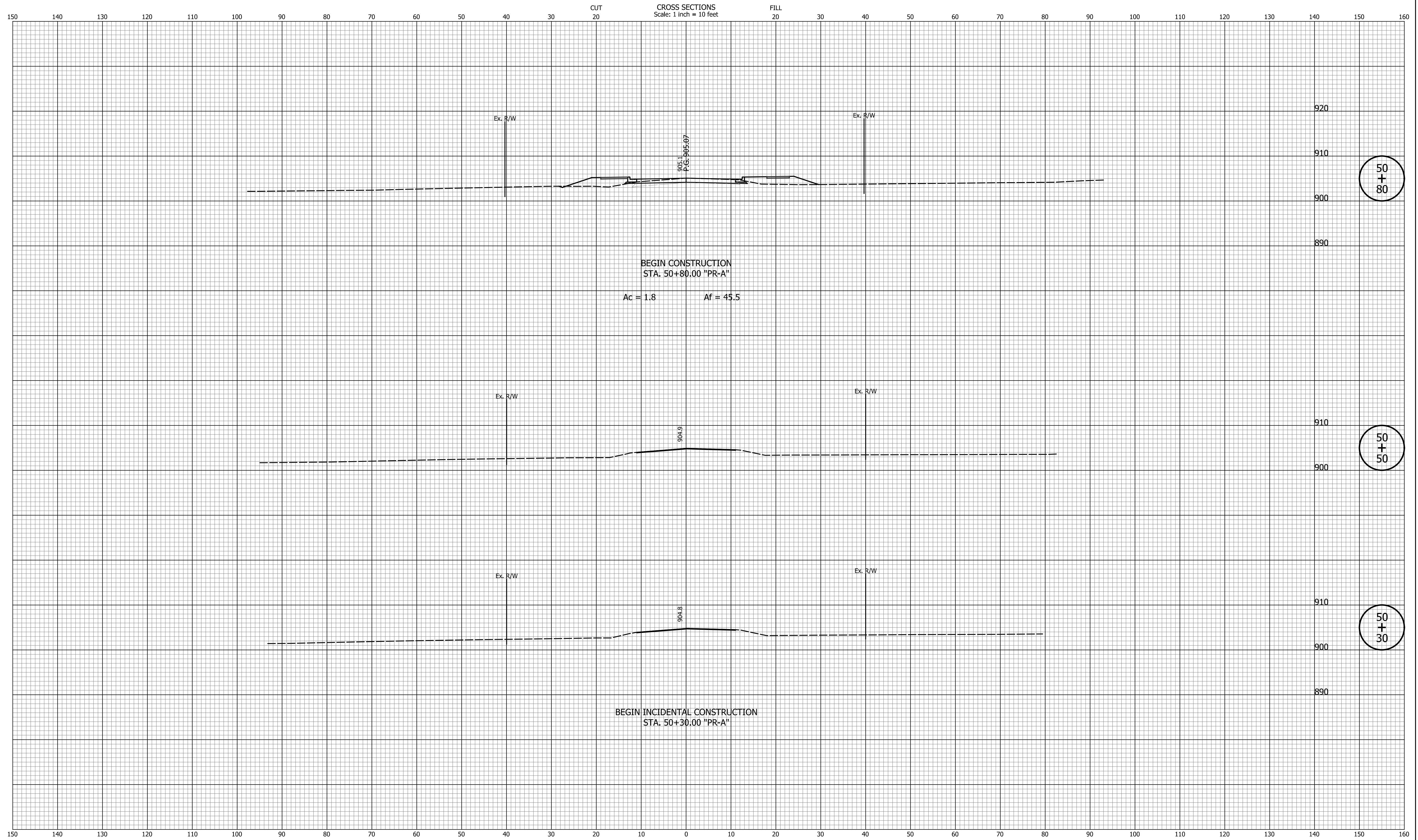
DATE	REVISION



RECOMMENDED FOR APPROVAL: *Jordan A. Bose* 6/07/2024 DATE
DESIGN ENGINEER
DESIGNED: ASV DRAWN: ASV
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
PIPE MATERIAL SHEET

HORIZONTAL SCALE	BRIDGE FILE
NONE	N/A
VERTICAL SCALE	DESIGNATION
N/A	2205FFE
SURVEY BOOK	SHEETS
AAA	41 of 56
CONTRACT	PROJECT
N/A	2205FFE



50
+
80

50
+
50

50
+
30

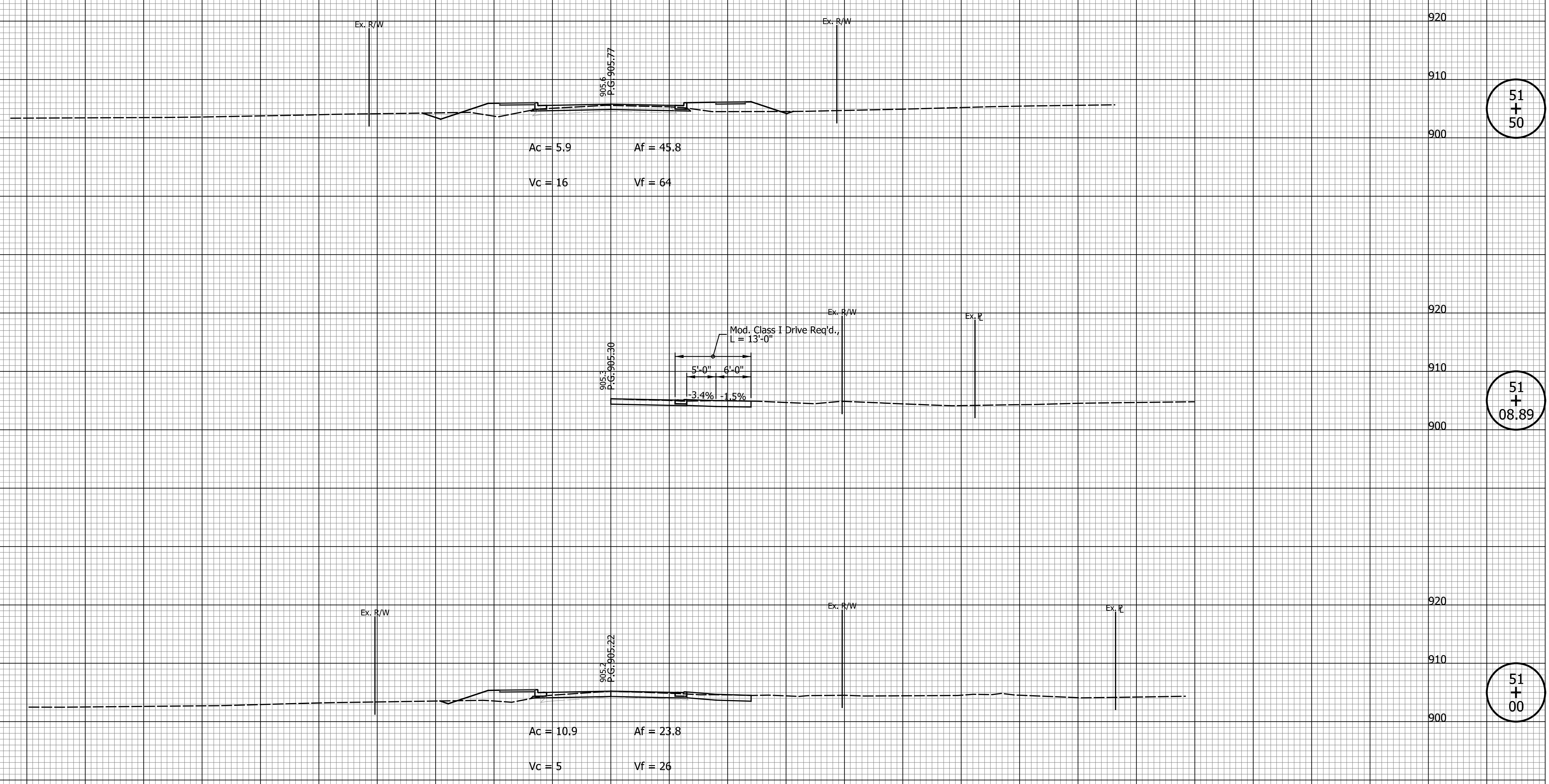
DATE	REVISION

DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 42 of 56
CONTRACT N/A	PROJECT 2205FFE



51
+
50

51
+
08.89

51
+
00

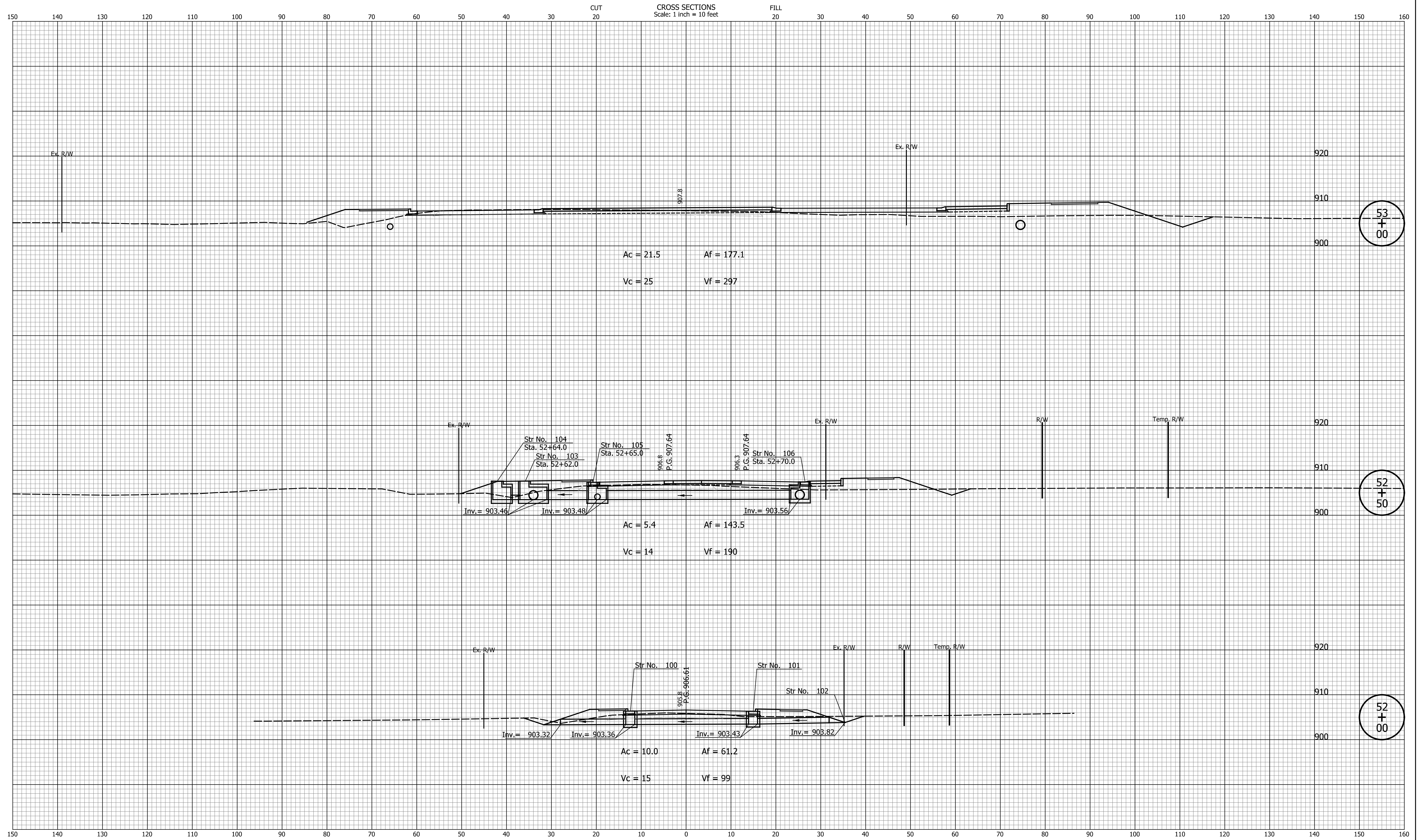
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 43 of 56
CONTRACT N/A	PROJECT 2205FFE



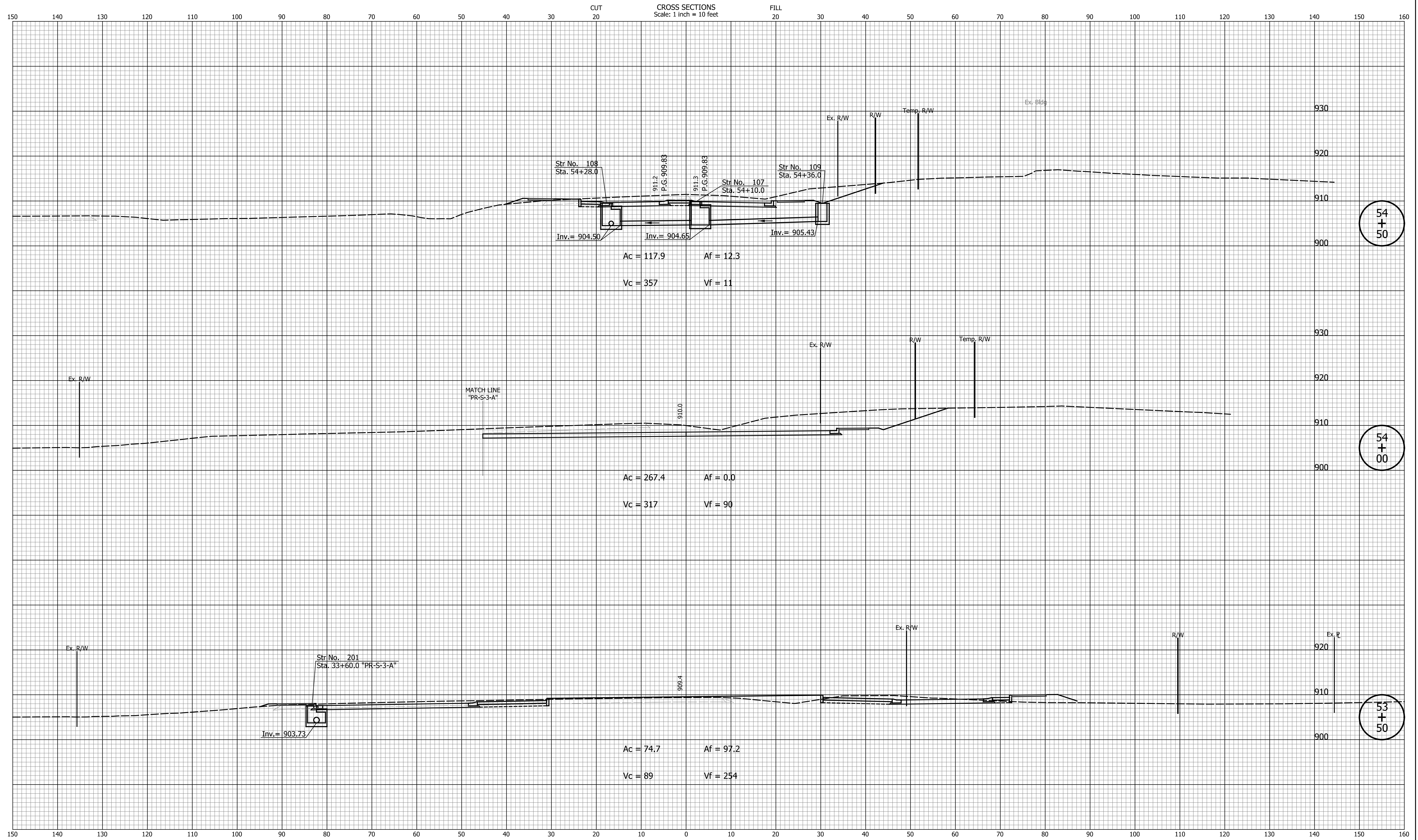
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 44 of 56
CONTRACT N/A	PROJECT 2205FFE



54
+
50

54
+
00

53
+
50

DATE	REVISION

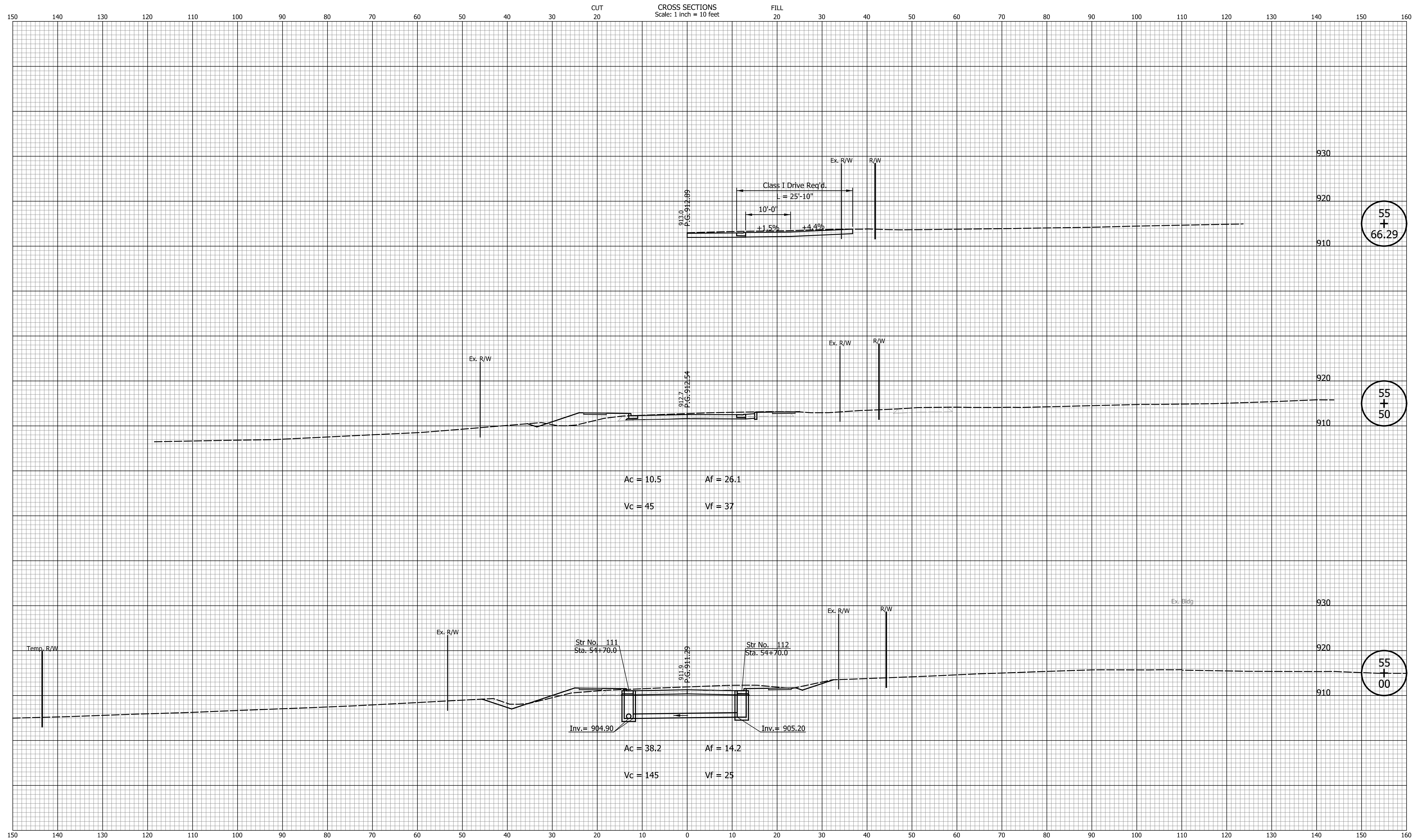
DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
 CROSS SECTIONS
 LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 45 of 56
CONTRACT N/A	PROJECT 2205FFE

P:\2022\02696\01.D Drawings\202202696.RD.CS.PR-A.01.dgn

CROSS SECTIONS
Scale: 1 inch = 10 feet



Ac = 10.5 Af = 26.1
Vc = 45 Vf = 37

Str No. 111
Sta. 54+70.0
Inv. = 904.90

Str No. 112
Sta. 54+70.0
Inv. = 905.20

Ac = 38.2 Af = 14.2
Vc = 145 Vf = 25

DATE	REVISION

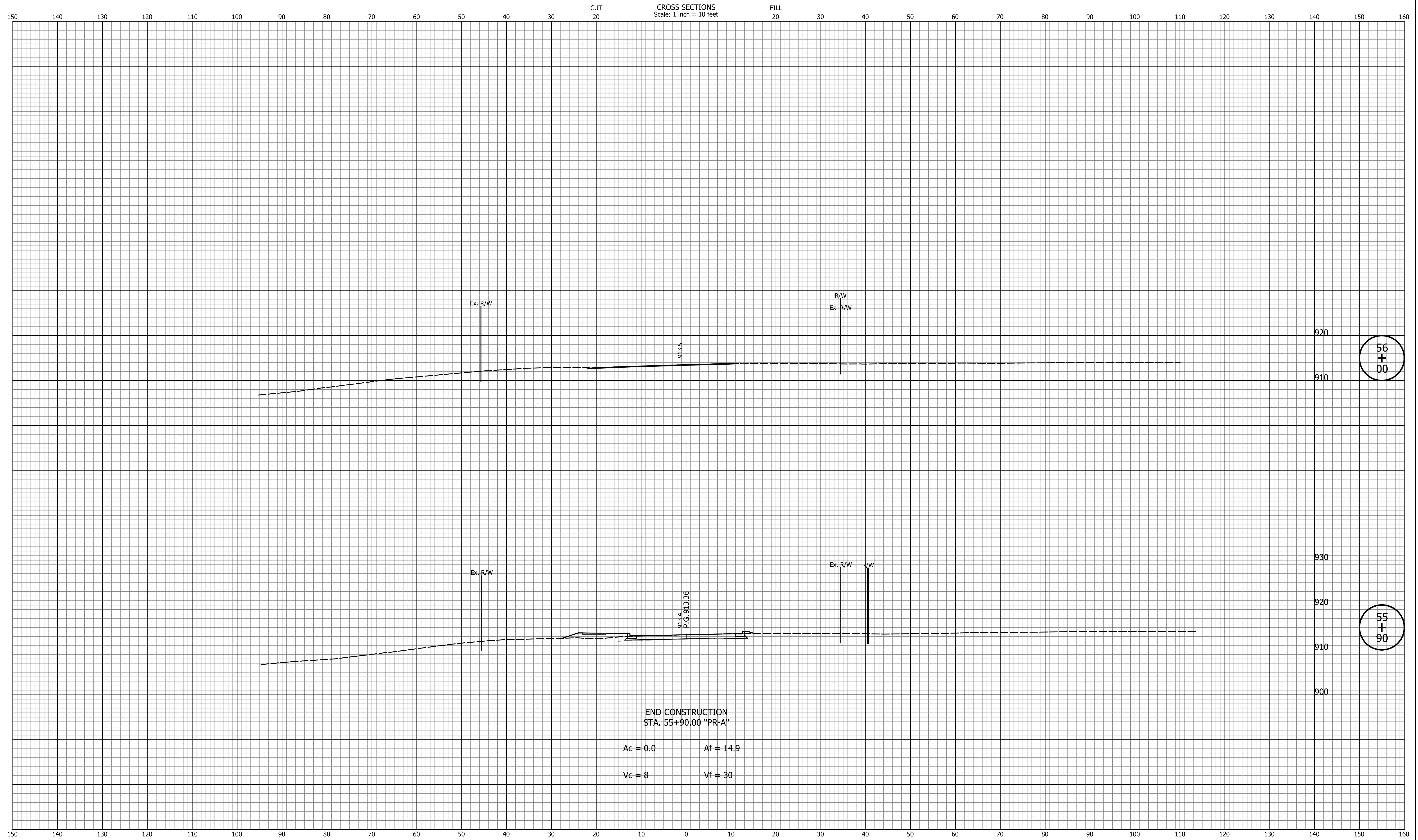
DESIGNED: ASV DRAWN: ASV
CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 46 of 56
CONTRACT N/A	PROJECT 2205FFE

I:\Projects\2022\02696\Drawings\202202696.RD.CS.PR-A.01.dgn



56
+
00

55
+
90

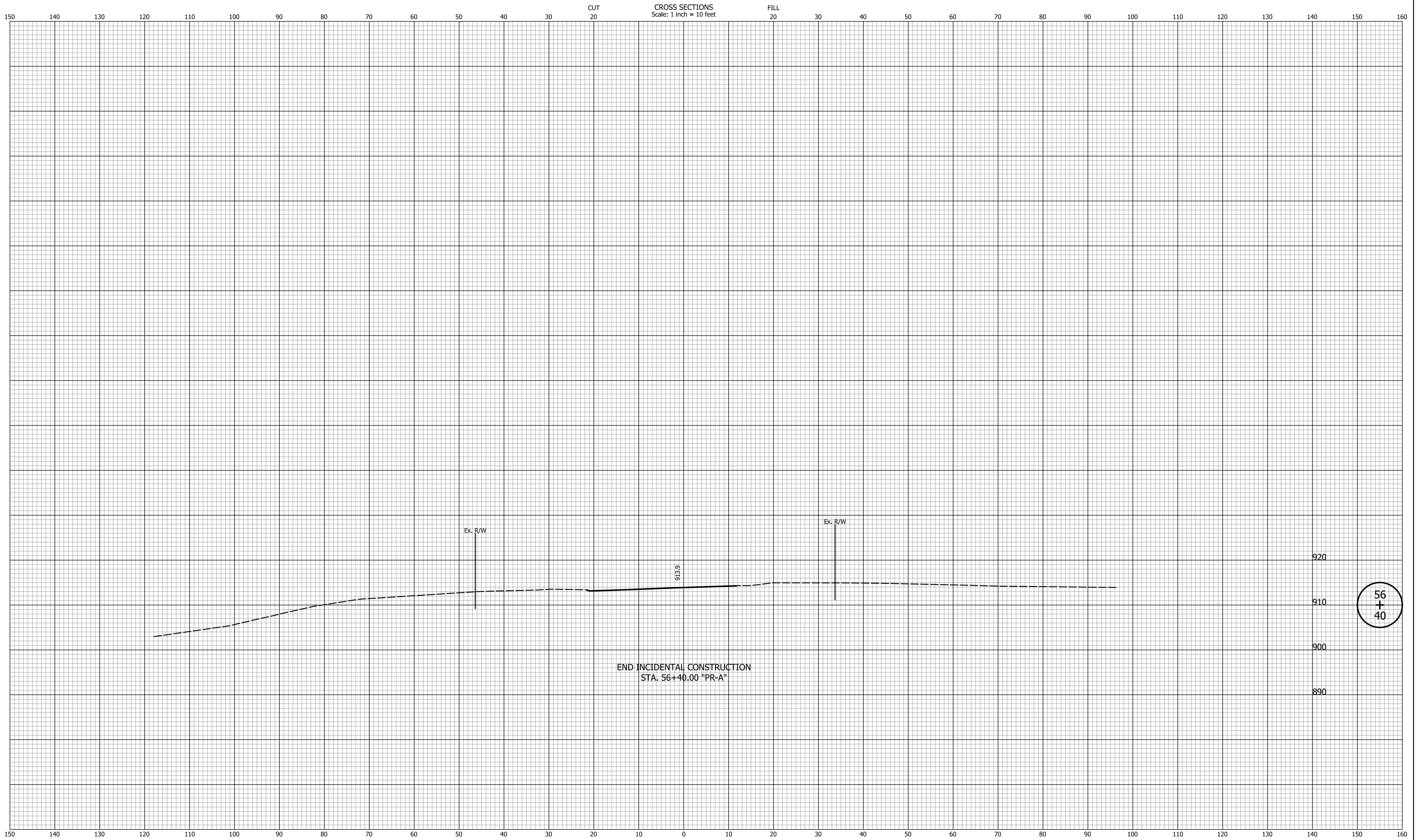
DATE	REVISION

DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 47 of 56
CONTRACT N/A	PROJECT 2205FFE



DATE	REVISION

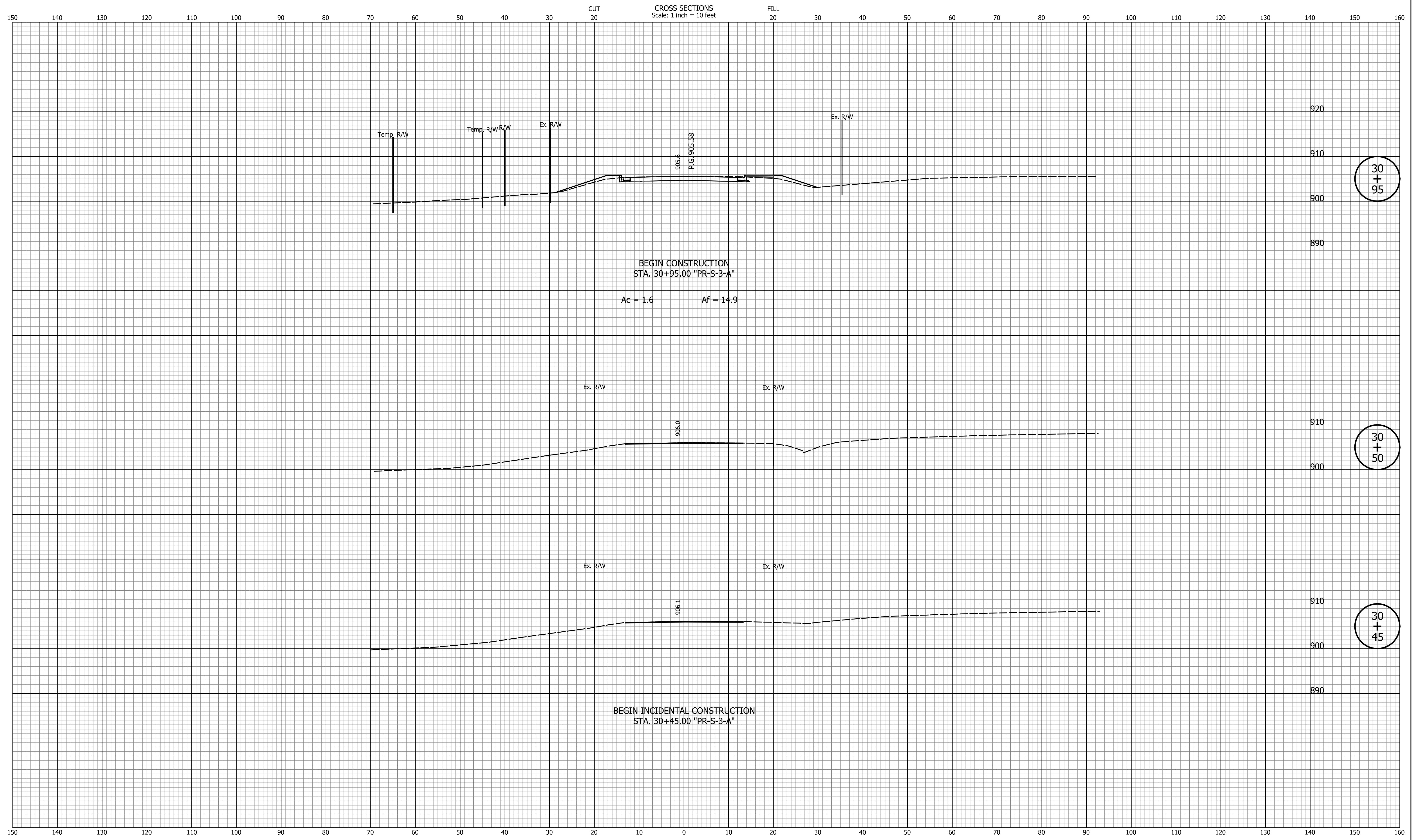
DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 48 of 56
CONTRACT N/A	PROJECT 2205FFE

Indiana State



30
+
95

30
+
50

30
+
45

DATE	REVISION

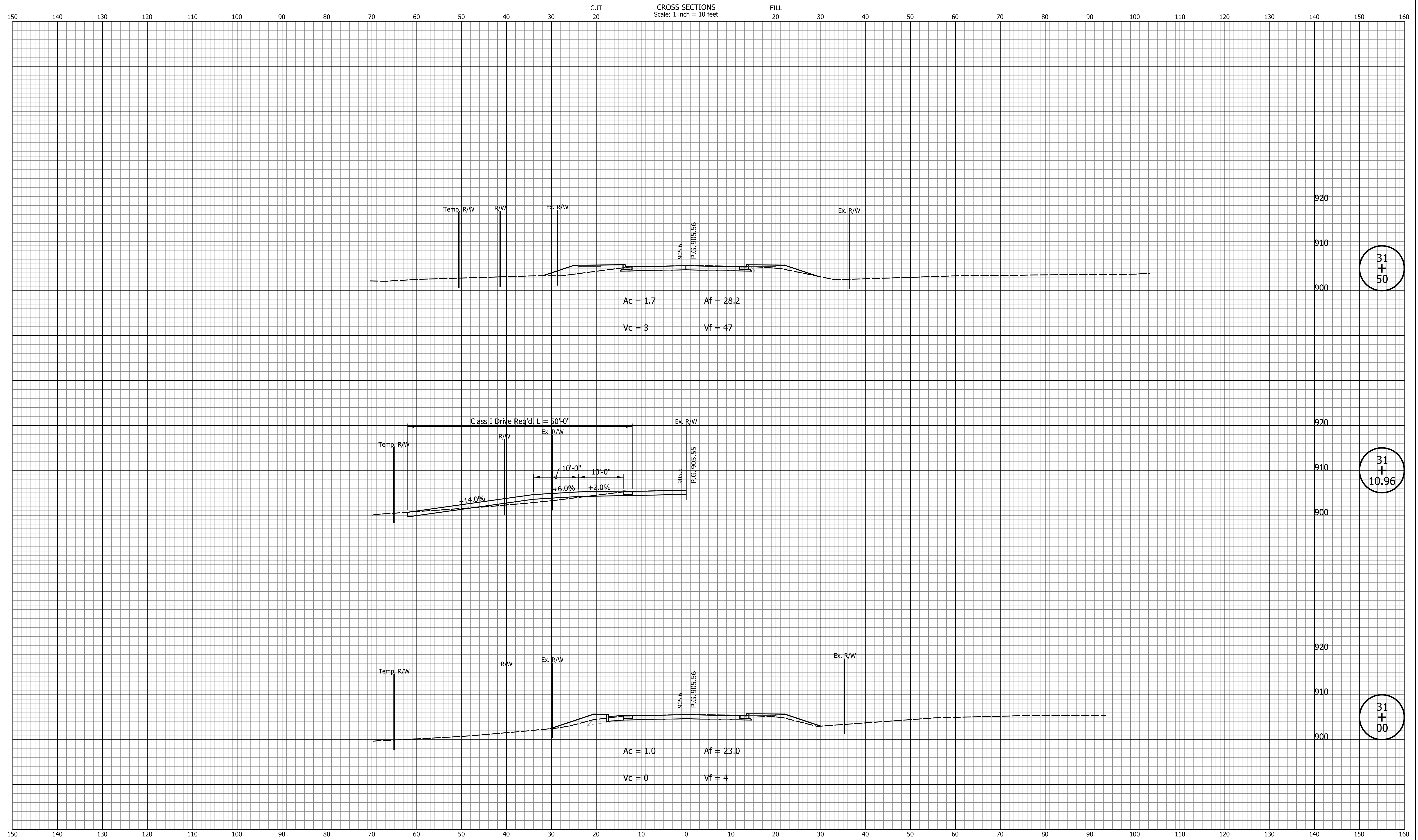
DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 49 of 56
CONTRACT N/A	PROJECT 2205FFE

I:\Projects\2022\02696\01.Drawings\202202696.RD.CS.PR-S-3-A.01.dgn



31
+
50

31
+
10.96

31
+
00

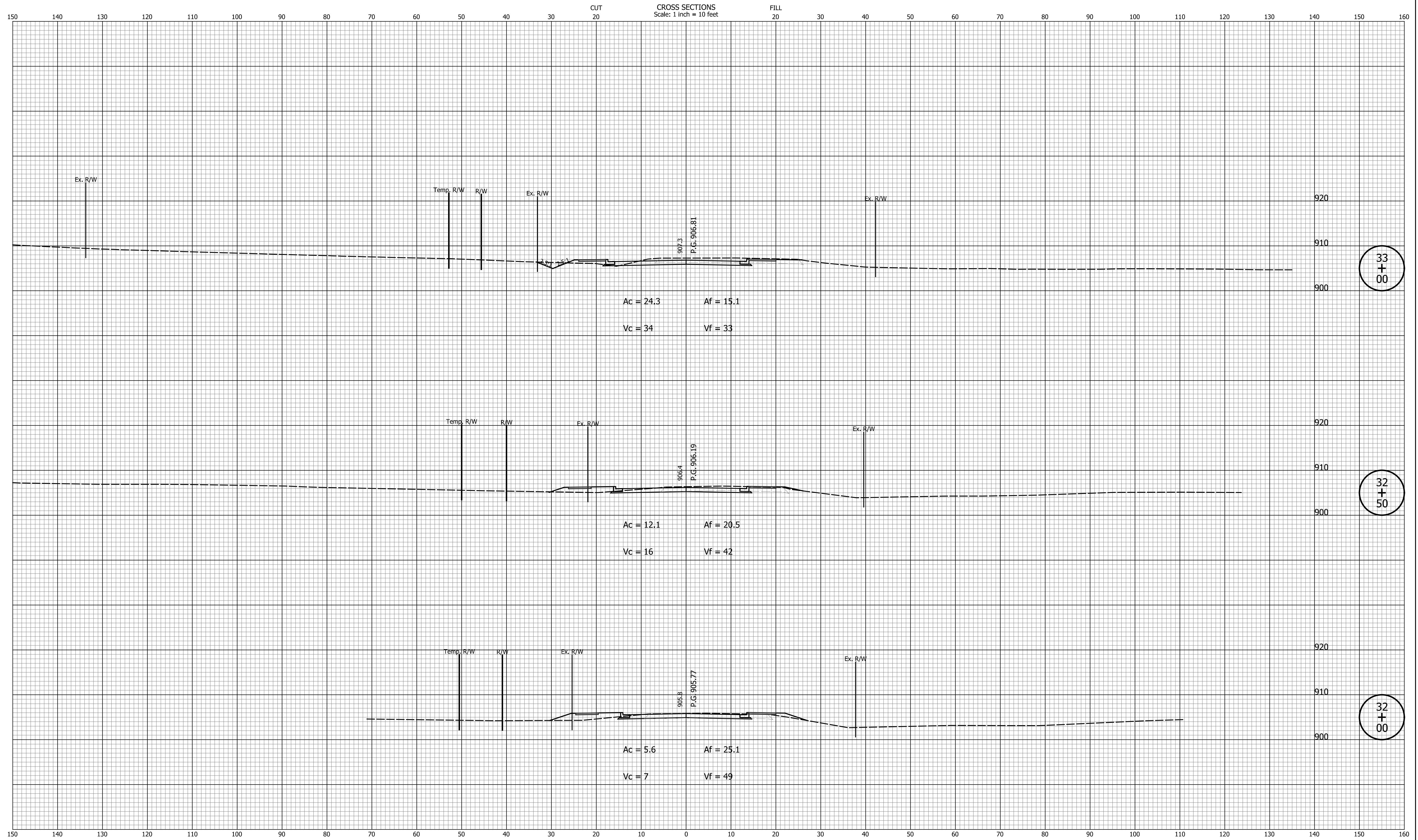
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 50 of 56
CONTRACT N/A	PROJECT 2205FFE



DATE	REVISION

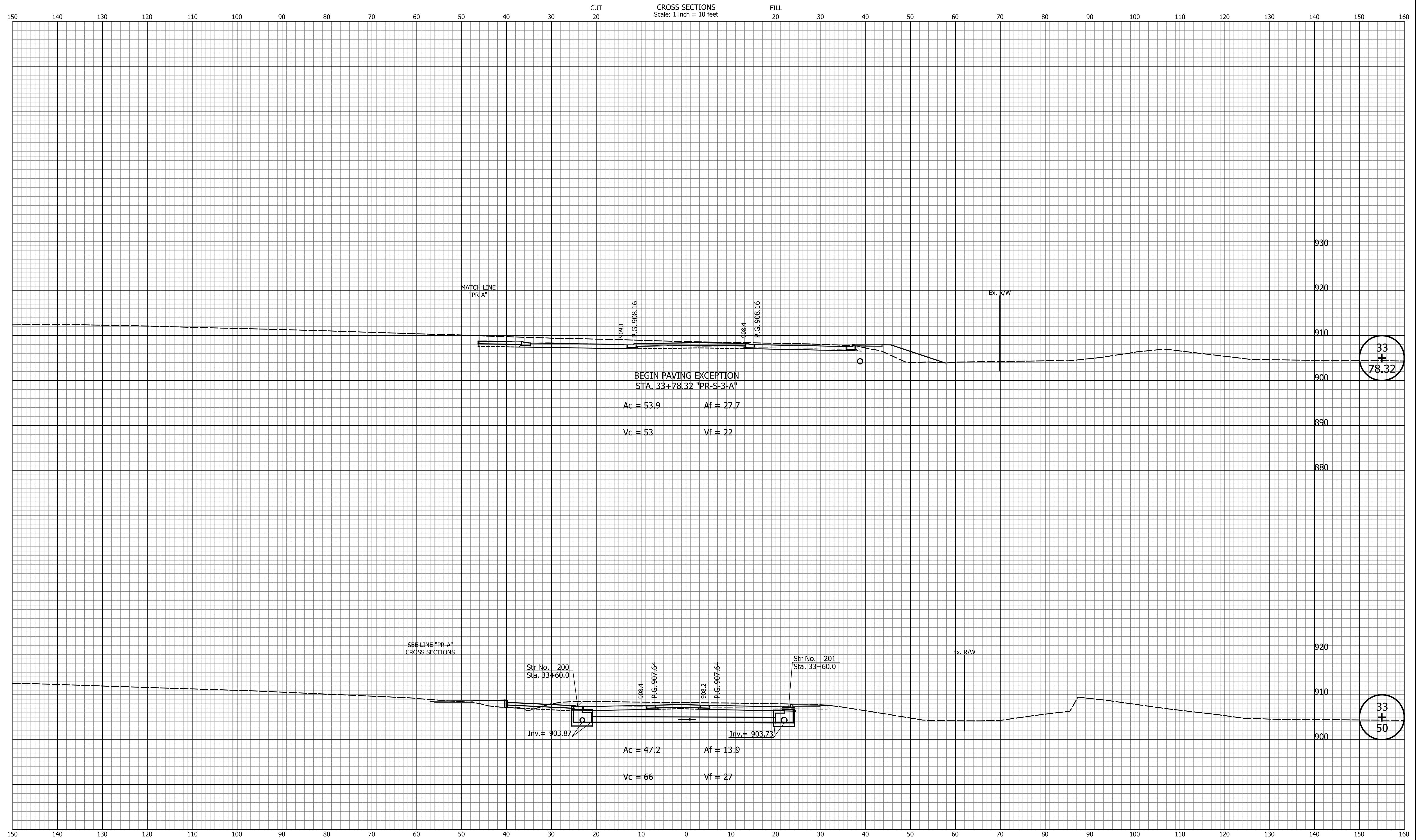
--	--

DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 51 of 56
CONTRACT N/A	PROJECT 2205FFE



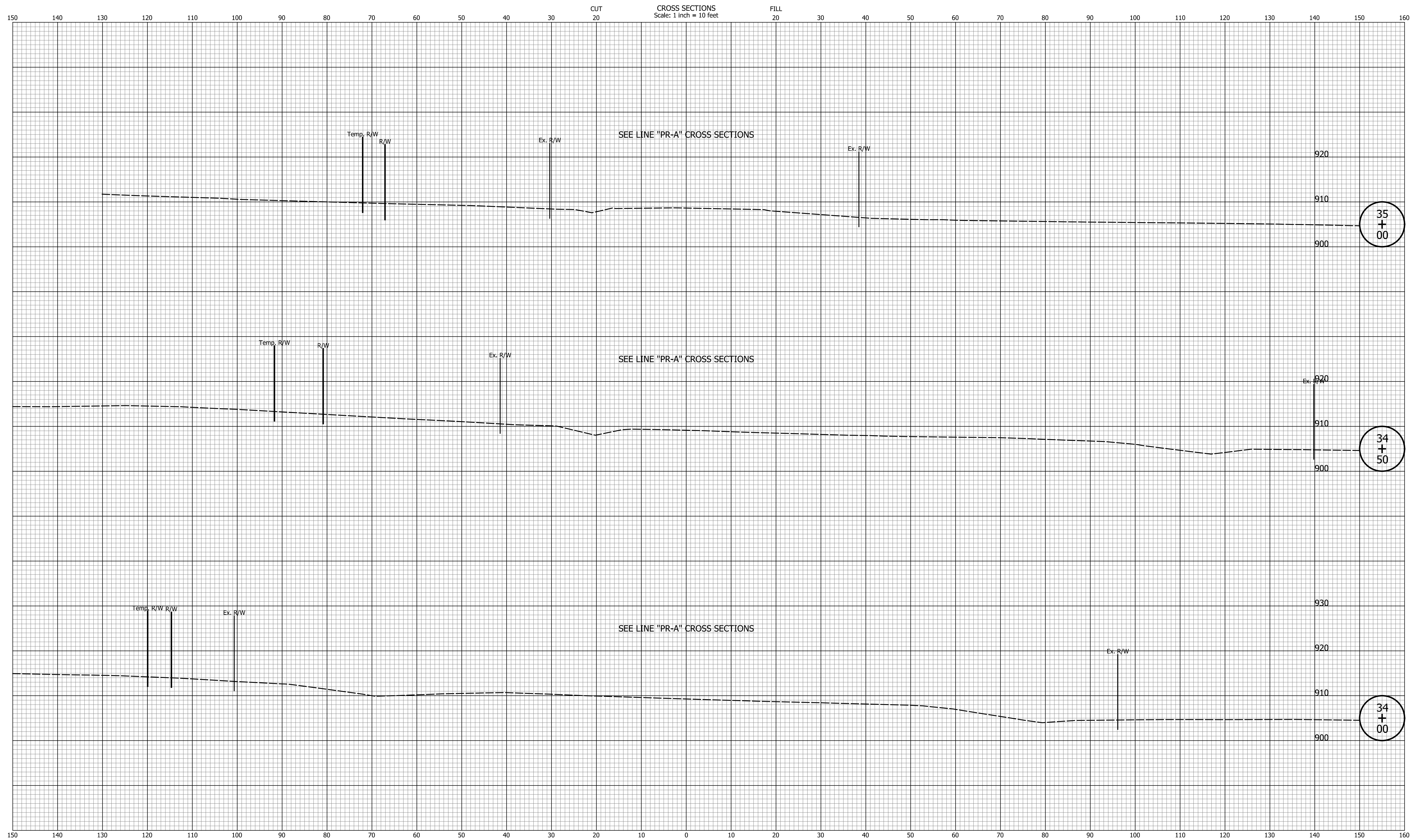
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 52 of 56
CONTRACT N/A	PROJECT 2205FFE



DATE	REVISION

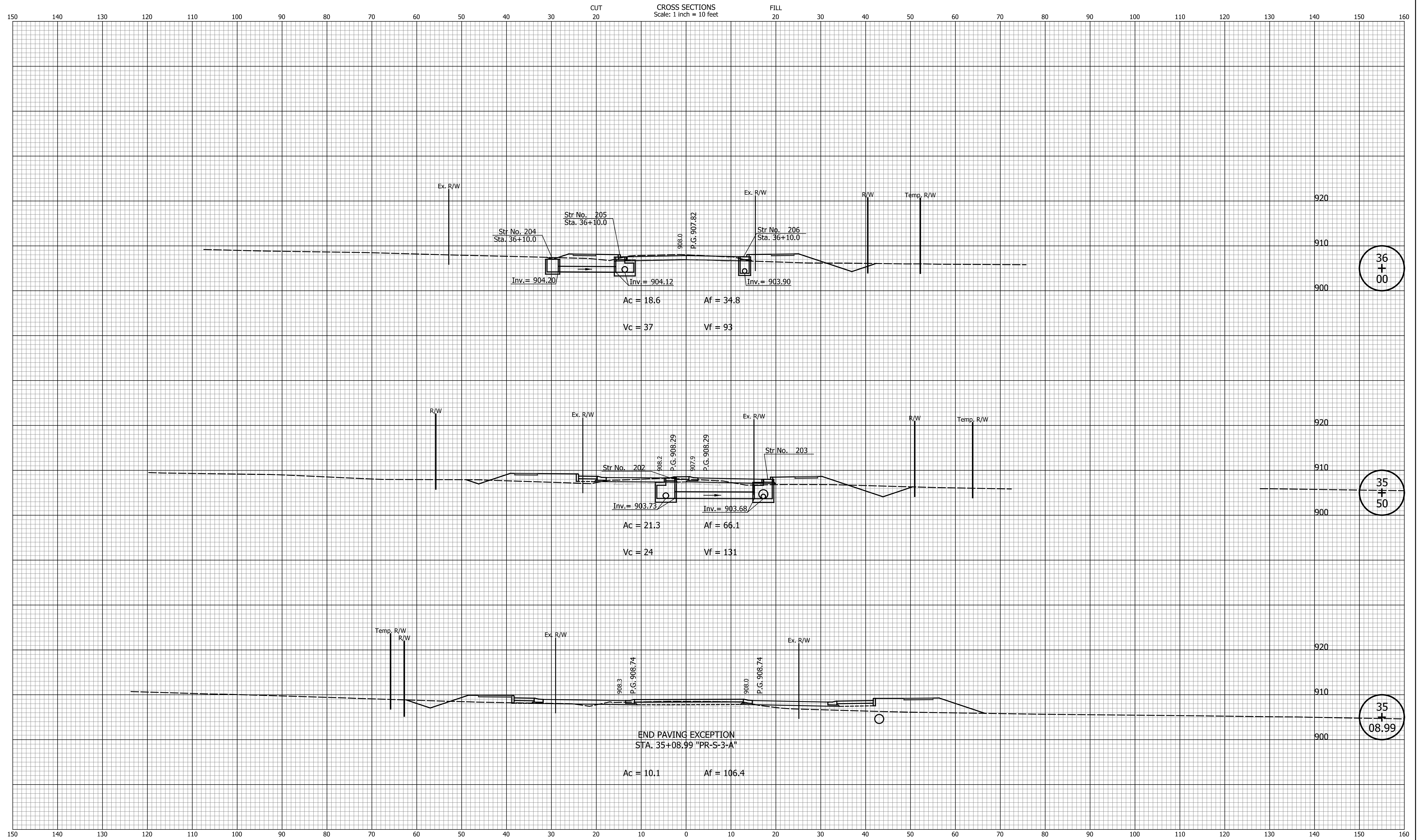
DESIGNED: <u>ASV</u>	DRAWN: <u>ASV</u>
CHECKED: <u>JAB</u>	CHECKED: <u>JAB</u>

CITY OF GREENFIELD

CROSS SECTIONS
LINE "PR-S-3-A"

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 53 of 56
CONTRACT N/A	PROJECT 2205FFE

I:\Projects\2022\202202696\Drawings\202202696.RD.CS.PR-S-3-A.01.dgn



36
+
00

35
+
50

35
+
08.99

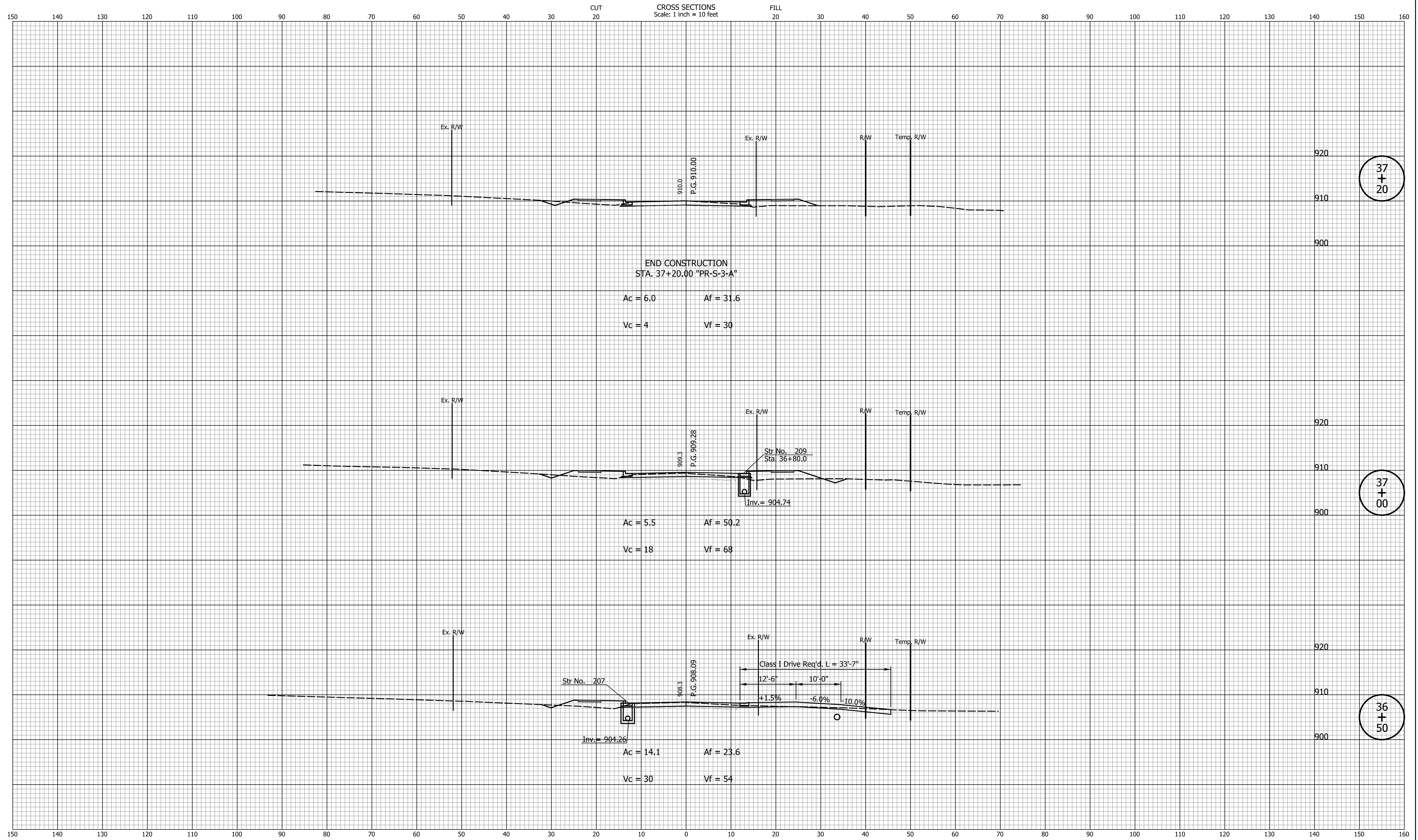
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 54 of 56
CONTRACT N/A	PROJECT 2205FFE



37
+
20

37
+
00

36
+
50

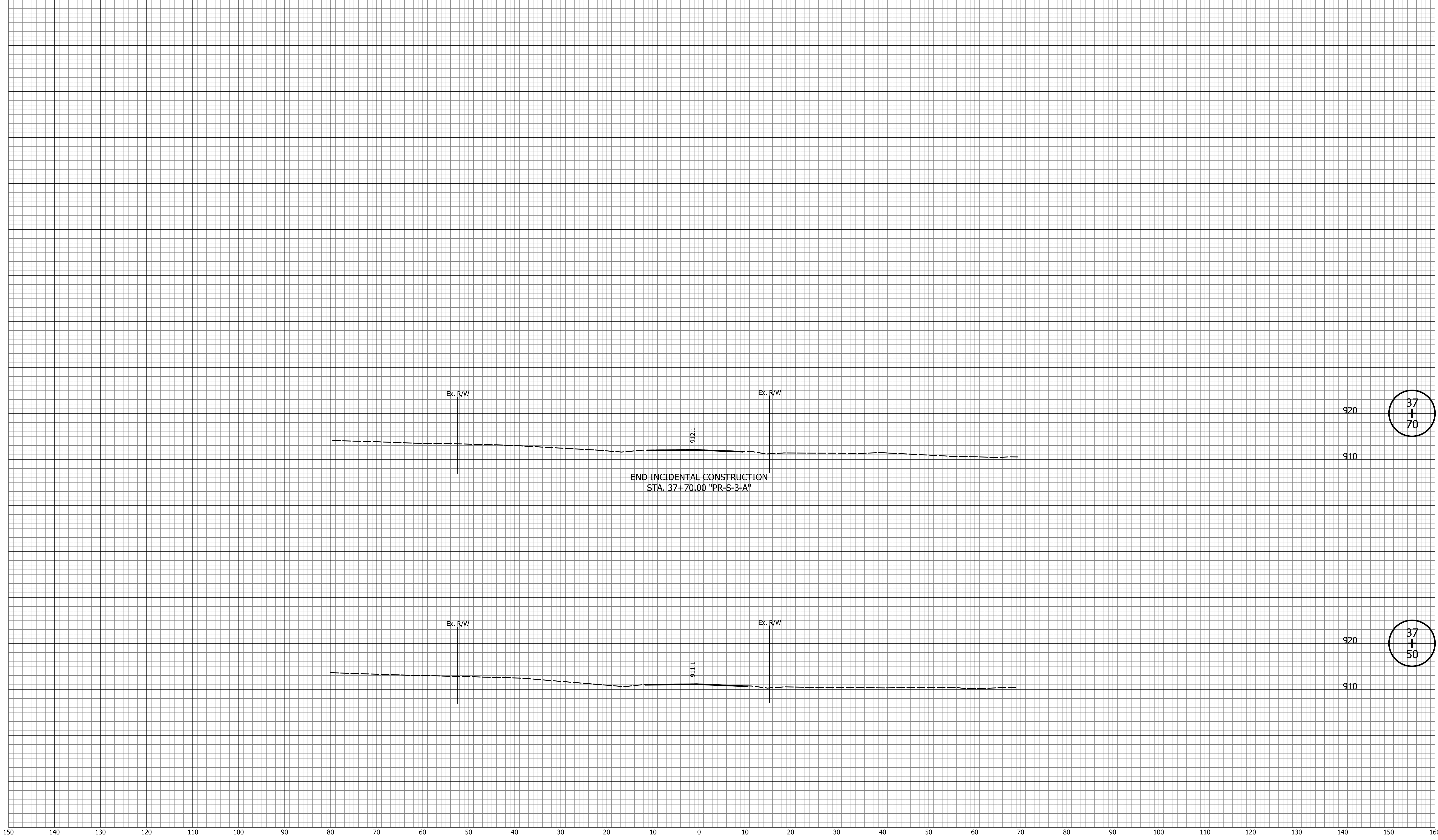
DATE	REVISION

DESIGNED: ASV	DRAWN: ASV
CHECKED: JAB	CHECKED: JAB

CITY OF GREENFIELD

**CROSS SECTIONS
LINE "PR-S-3-A"**

HORIZONTAL SCALE 1"=10'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 2205FFE
SURVEY BOOK N/A	SHEETS 55 of 56
CONTRACT N/A	PROJECT 2205FFE



37
+
70

37
+
50

END INCIDENTAL CONSTRUCTION
 STA. 37+70.00 "PR-S-3-A"

DATE	REVISION

DESIGNED: ASV DRAWN: ASV
 CHECKED: JAB CHECKED: JAB

CITY OF GREENFIELD
 CROSS SECTIONS
 LINE "PR-S-3-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	2205FFE
SURVEY BOOK	SHEETS
N/A	56 of 56
CONTRACT	PROJECT
N/A	2205FFE