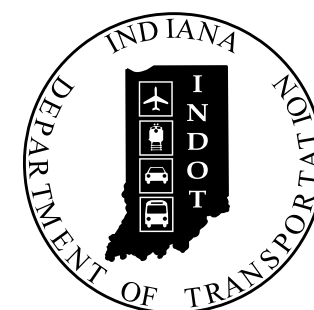


PROJECT	DESIGNATION
1800176	1800176
CONTRACT	
R-41407	

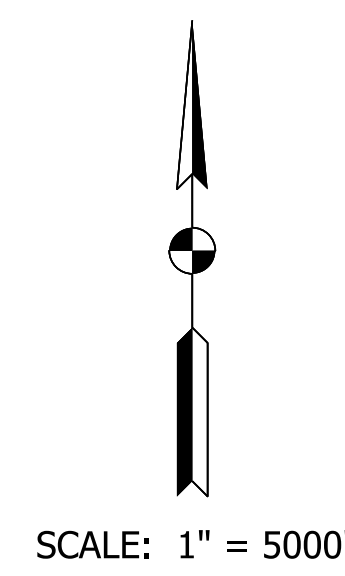
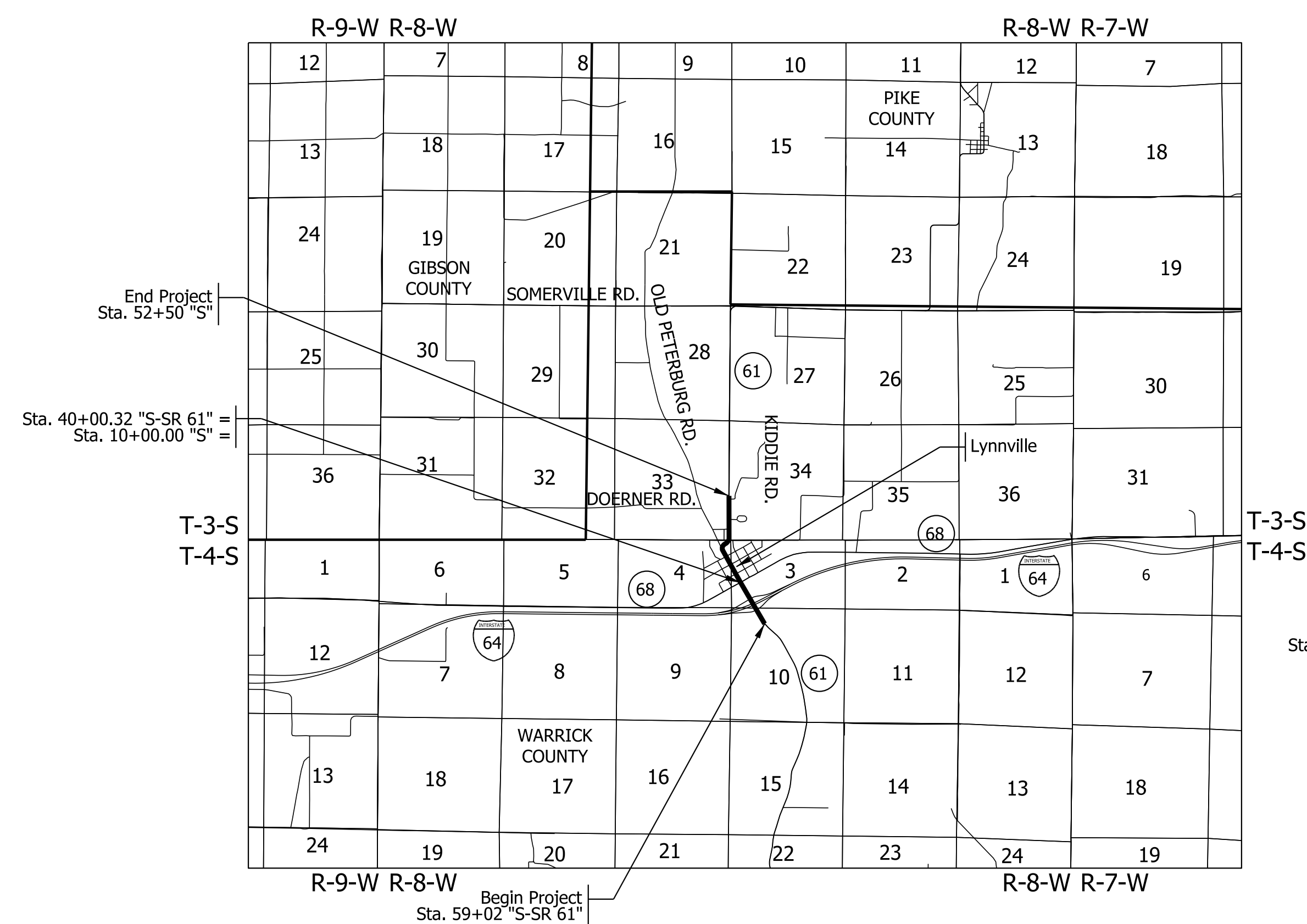
INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

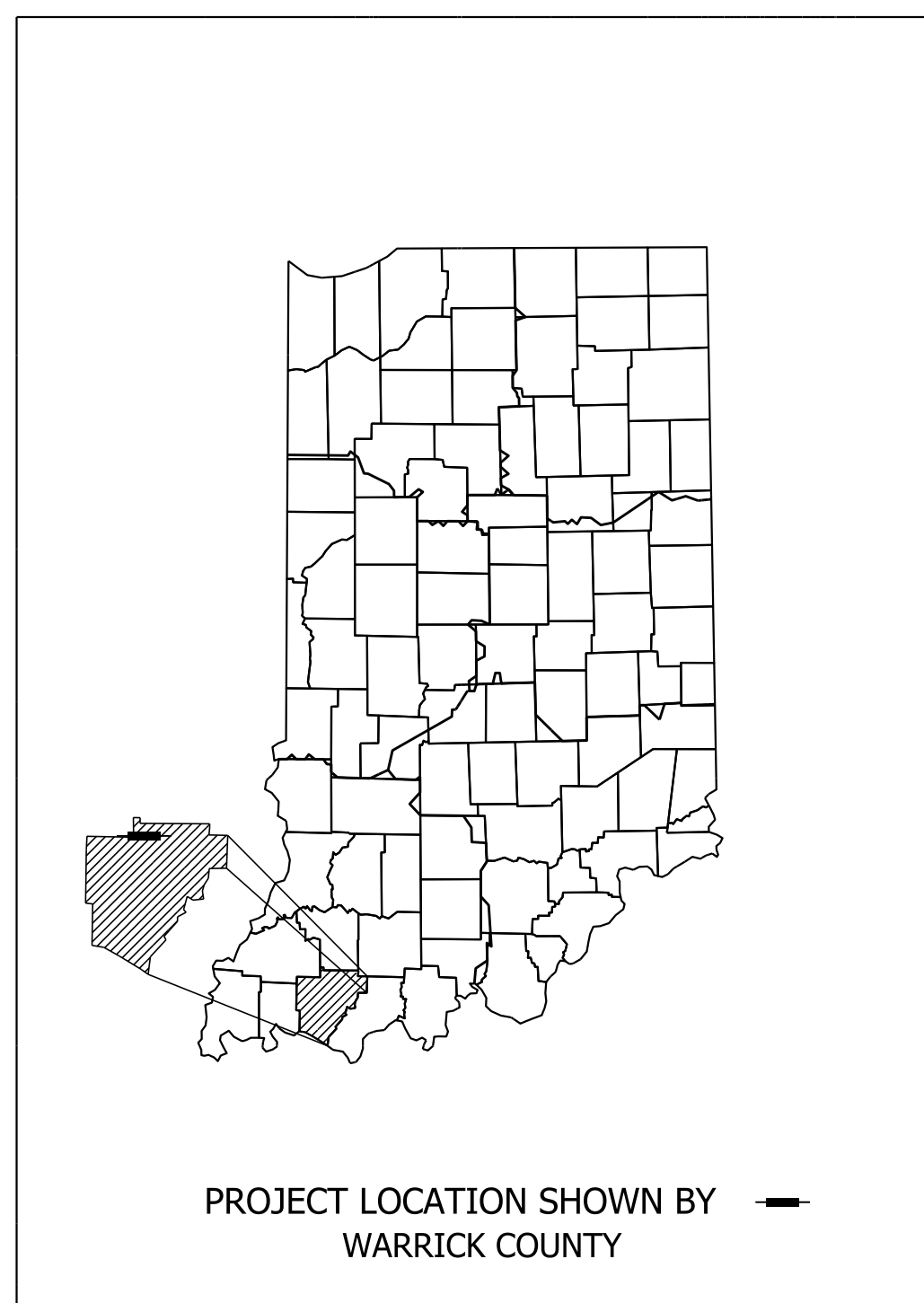
ROUTE: SR-61 FROM: RP 19+71 TO: RP 20+88
 PROJECT NO. 1800176 P.E.
 R/W CONST.

PREVENTIVE MAINTENANCE HMA OVERLAY ON SR-61
 FROM 0.14 MILES SOUTH OF I-64 TO 0.88 MILES NORTH OF SR- 68 (LYNNVILLE)
 SECTIONS 3, 4, 9, 10 IN T-4-S, R-8-W AND
 SECTIONS 33, 34 IN T-3-S, R-8-W
 HART TOWNSHIP, WARRICK COUNTY, INDIANA



Paving Exception:
 Sta. 50+39 "S-SR 61" to Sta. 53+17 "S-SR 61"

TRAFFIC DATA		
A.A.D.T. (2023)		3740 V.P.D.
A.A.D.T. (2043)		3740 V.P.D.
D.H.V (2043)		368 V.P.H.
DIRECTIONAL DISTRIBUTION		50/50 %
TRUCKS		10.5 % A.A.D.T. 4.9 % D.H.V.
DESIGN DATA		
DESIGN SPEED		Varies 25-55 M.P.H.
PROJECT DESIGN CRITERIA		PARTIAL 3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		RURAL
TERRAIN		LEVEL
ACCESS CONTROL		PARTIAL



LATITUDE: 38°11'54.00"N LONGITUDE: 87°17'53.00"W

GROSS LENGTH:	1.17 MI.
NET LENGTH:	1.12 MI.
MAX. GRADE:	%

Stage 3 Submittal
 06/17/2022

INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2022
 TO BE USED WITH THESE PLANS



WSP USA Inc.
 115 W. Washington Street
 Suite 1270S
 Indianapolis, IN 46204
 TEL: 317-972-1706

PLANS PREPARED BY:	WSP USA Inc.	317-972-1706
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

DESIGNATION	1800176
SURVEY BOOK	SHEETS
	1 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 2:38 PM

IP_PWP:d0365445\Shrt RD Title.dgn



Benchmark Information Line "S":

*TBM - Sta. 50+63.40, 23.7' Rt.
87-V-1288
Elevation 484.30'

**TBM#1 - Northing: 242,114.5780 Easting: 789,767.8930
Bench tie NW Face PWP
Elevation 526.24'

TBM#2 - Sta. 10+37.54, 36.0' Rt.
X on anchor bolt traffic signal
Elevation 465.56'

TBM#3 - Sta. 19+72.75, 30.6' Rt.
X on flange bolt of fire hydrant
Elevation 485.40'

TBM#4 - Sta. 28+29.06, 24.4' Rt.
Bench tie NW face PWP
Elevation 494.76'

TBM#5 - Sta. 42+49.45, 29.5' Rt.
Bench tie NW face PWP
Elevation 528.93'

**TBM#6 - Northing: 248,313.3970 Easting: 787,852.7380
Bench tie W face PWP
Elevation 531.93'

TBM#7 - Sta. 38+25.45, 25.9' Rt.
North flange bolt of fire hydrant
Elevation 511.07'

*Denotes Line "S-SR61"
**Bench mark outside of project alignment

RANDOM CONTROL POINTS - LINE "S-SR61"					
Point No.	Northing	Easting	Station	Offset	Description
100	242,178.4927	789,603.9539	NA	NA	Rebar w/HWC Random Cap
101	243,048.3242	789,106.3939	54+08.06	26.18 Lt.	Rebar w/HWC Random Cap
102	243,896.3146	788,527.5351	43+83.86	40.58 Rt.	Rebar w/HWC Random Cap

RANDOM CONTROL POINTS - LINE "S"					
Point No.	Northing	Easting	Station	Offset	Description
103	244,283.8269	788,323.1825	10+54.01	26.35	Mag Nail Found
104	244,642.2300	788,193.3073	14+29.92	37.02	Rebar w/HWC Random Cap
105	245,100.5794	787,862.3061	19+91.82	25.47	Mag Nail w/HWC Random Washer
106	245,471.6456	787,703.5870	23+92.95	19.04	Mag Nail w/HWC Random Washer
107	245,820.0650	787,484.2630	27+95.07	28.43	Mag Nail w/HWC Random Washer
108	246,238.0212	787,833.1028	33+37.06	17.16	Mag Nail w/HWC Random Washer
109	246,731.2153	787,805.3441	38+26.86	23.48	Rebar w/HWC Random Cap
110	247,511.0687	787,842.0879	46+06.48	17.78	Rebar w/HWC Random Cap
111	248,191.9571	787,839.3783	NA	NA	Rebar w/HWC Random Cap

ALIGNMENT POINTS - LINE "S-SR61"				
Point No.	Northing	Easting	Monument	Description
500	242,268.3247	789,539.7930	Mag Nail w/HWC Firm Washer	EP Sta. 63+00.00
501	243,223.9855	758,971.4721	Drill Hole in Concrete	POT Sta. 51+88.12
502	243,564.4387	788,769.0084	Drill Hole in Concrete	PT Sta. 47+92.01
503	243,841.8325	788,604.0453	Drill Hole in Concrete	PI Sta. 44+89.29
504	244,122.5739	788,444.8461	Drill Hole in Concrete	PC Sta. 41+46.56
505	244,249.7841	788,372.7094	1 - Inch Iron Pipe Found 0.2 FT BG	BP Sta. 40+00.32

ALIGNMENT POINTS - LINE "S"				
Point No.	Northing	Easting	Monument	Description
505	244,249.7841	788,372.7084	1 - Inch Iron Pipe Found 0.2 FT BG	EP Sta. 10+00.00
506	245,120.2328	787,880.4503	Mag Nail w/HWC Firm Washer	POT Sta. 20+00.00
507	245,720.3923	787,541.0481	Mag Nail w/HWC Firm Washer	PC Sta. 26+89.48
508	245,898.9782	787,440.0516	Mag Nail w/HWC Firm Washer	PI Sta. 28+94.65
509	246,012.1742	787,611.1641	Mag Nail w/HWC Firm Washer	PT Sta. 30+19.71
510	246,056.7024	787,678.4750	Mag Nail w/HWC Firm Washer	PC Sta. 31+00.42
511	246,158.1688	787,831.8564	Calculated point	PI Sta. 32+84.32
512	246,342.0718	787,830.8818	Mag Nail w/HWC Firm Washer	PT Sta. 34+37.58
513	247,170.2000	787,826.4930	Mag Nail w/HWC Firm Washer	PI Sta. 42+65.72
514	247,700.1150	787,823.0990	Mag Nail w/HWC Firm Washer	PI Sta. 47+95.65
515	248,174.1810	787,823.1720	Mag Nail w/HWC Firm Washer	EP Sta. 52.69.71

Plot: 6/17/2022 9:53 AM

IP_PWP:d0365445\Sh Reference Ties.dgn

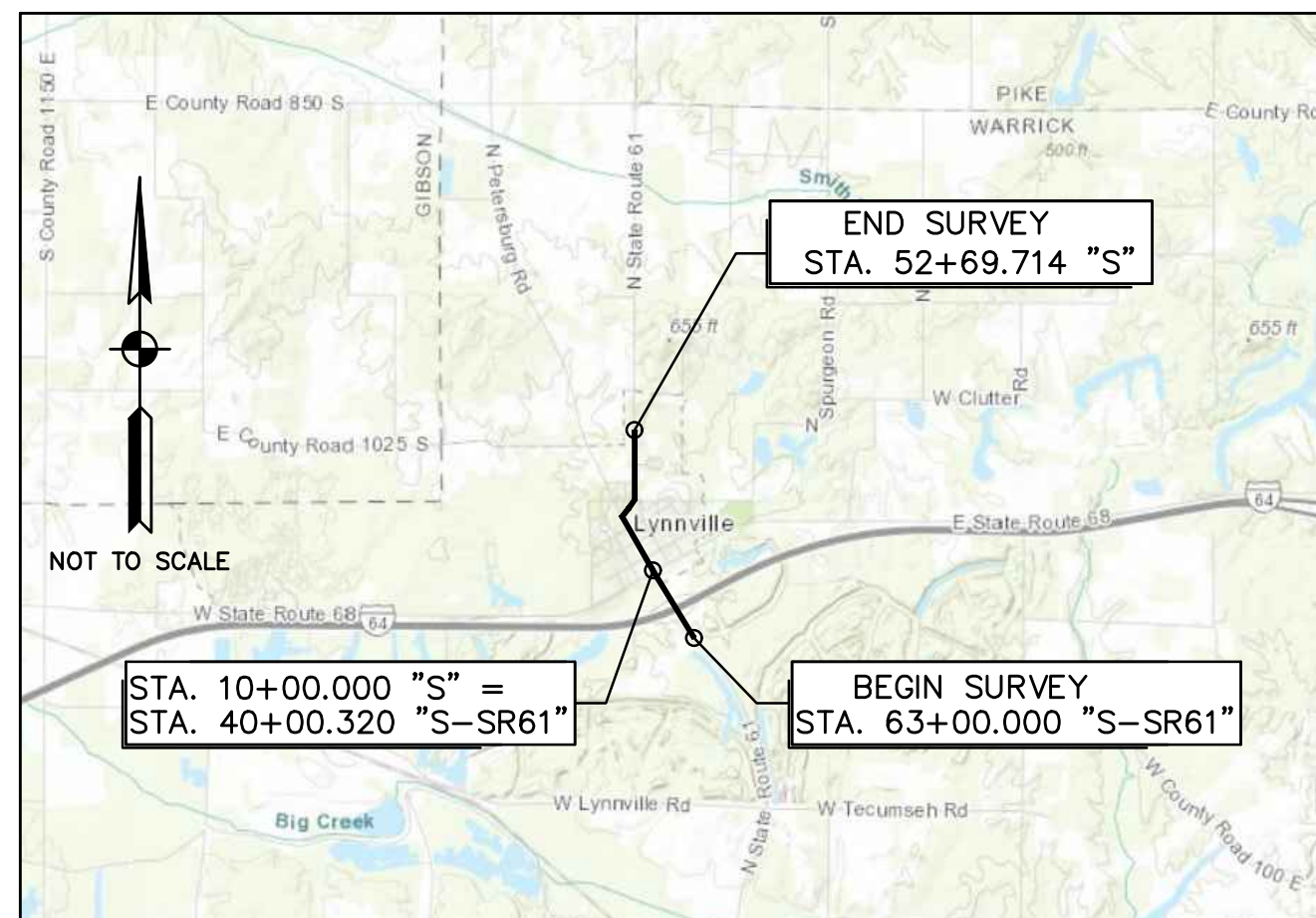
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

REFERENCE TIES AND BENCHMARKS

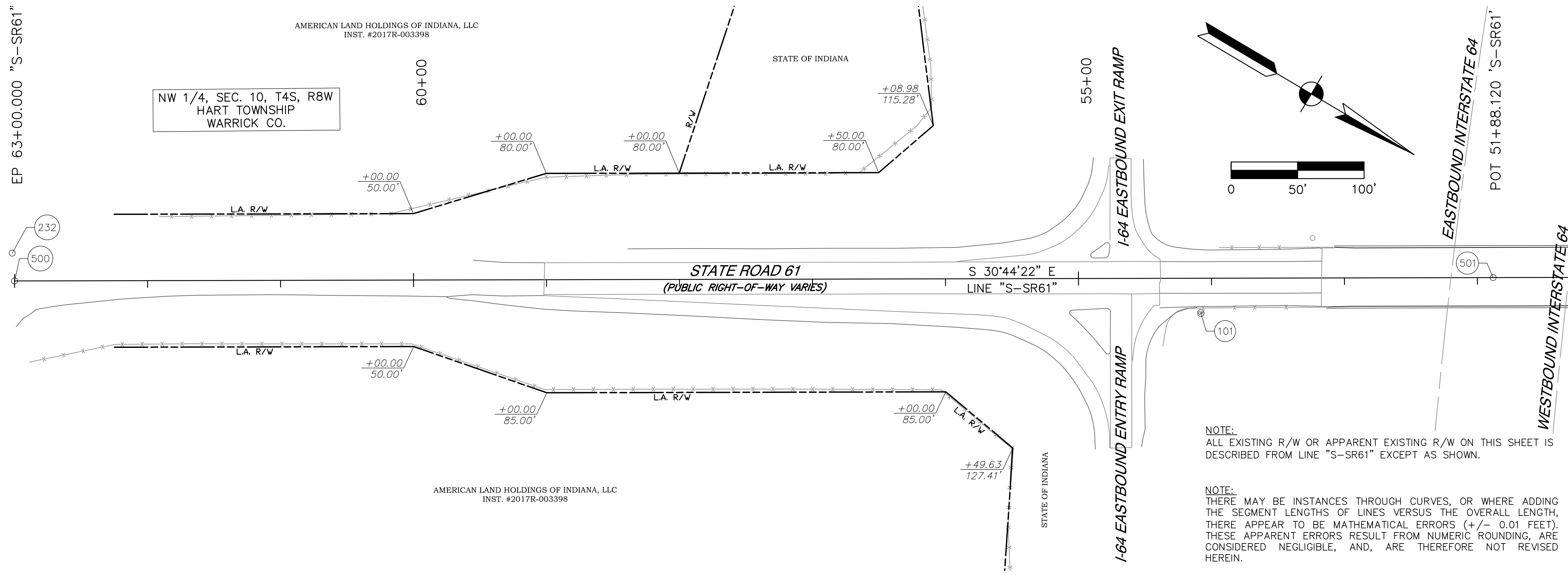
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	3 of 112
CONTRACT	PROJECT
R-41407	1800176

VICINITY MAP
HART TOWNSHIP,
WARRICK COUNTY



LOCATION CONTROL ROUTE SURVEY PLAT

PART OF SECTIONS 3, 4, 9 AND 10, TOWNSHIP 4 SOUTH, RANGE 8 WEST
PART OF SECTIONS 33 AND 34, TOWNSHIP 3 SOUTH, RANGE 8 WEST
HART TOWNSHIP
WARRICK COUNTY, INDIANA



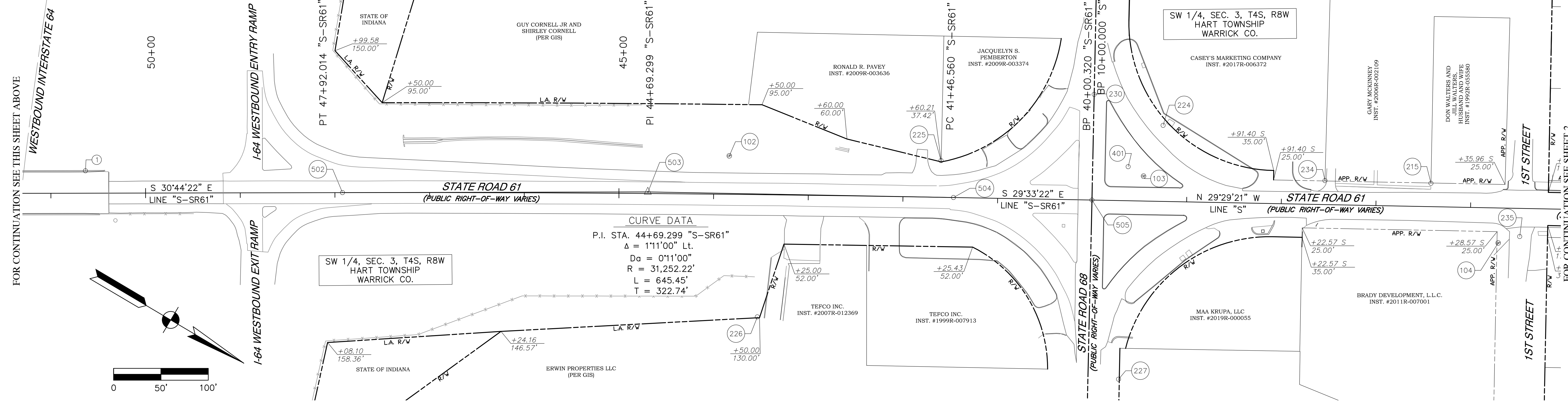
LEGEND

	ALIGNMENT
	SECTION LINE
	RIGHT-OF-WAY
	RIGHT-OF-WAY EASEMENT
	APPROXIMATE PARCEL LINE
	EASEMENT LINE
	EXISTING FENCE
	EXISTING FLOWLINE
	EXISTING TOPOGRAPHY
	(R) RECORD DIMENSION
	(M) MEASURED DIMENSION
	(P) PLAN DIMENSION
	(123) CONTROL POINT FND., SET, OR CALC.
	APP. APPARENT EDGE OF PAVEMENT
	R/W RIGHT-OF-WAY
	EX. EXISTING
	L.A. LIMITED ACCESS

UNLESS NOTED OTHERWISE ALL MONUMENTS, FOUND OR SET, ARE LOCATED FLUSH WITH THE SURFACE

NOTE:
ALL EXISTING R/W OR APPARENT EXISTING R/W ON THIS SHEET IS DESCRIBED FROM LINE "S-SR61" EXCEPT AS SHOWN.

NOTE:
THERE MAY BE INSTANCES THROUGH CURVES, OR WHERE ADDING THE SEGMENT LENGTHS OF LINES VERSUS THE OVERALL LENGTH, THERE APPEAR TO BE MATHEMATICAL ERRORS (+/- 0.01 FEET). THESE APPARENT ERRORS RESULT FROM NUMERIC ROUNDING, ARE CONSIDERED NEGLIGIBLE, AND, ARE THEREFORE NOT REVISED HEREIN.



CURVE DATA
P.I. STA. 44+69.299 "S-SR61"
 $\Delta = 1^{\circ}11'00"$ Lt.
 $D\alpha = 0^{\circ}11'00"$
 $R = 31,252.22'$
 $L = 645.45'$
 $T = 322.74'$

FOR CONTINUATION SEE THIS SHEET ABOVE

FOR CONTINUATION SEE SHEET 2

PROJECT: IN, WARRICK CO, 2019-04-02, S-SR61 - Linnville, SR61 (Design, VAD) Survey
FILED: IN, WARRICK CO, 2019-04-02, S-SR61 - Linnville, SR61 (Design, VAD) Survey
DRAWN: AKY
CHECKED: LAJ
DATE: 2019-04-02

SURVEY STARTED	
11/05/2019	
SURVEY COMPLETED	
05/04/2020	
ROUTE PLAT SHEETS	
1	of 4

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCIE - NEW ALBANY
135 N. PENNSYLVANIA ST, SUITE 2800,
INDIANAPOLIS, IN 46204
TEL. 317-347-3663 www.hwcengineering.com

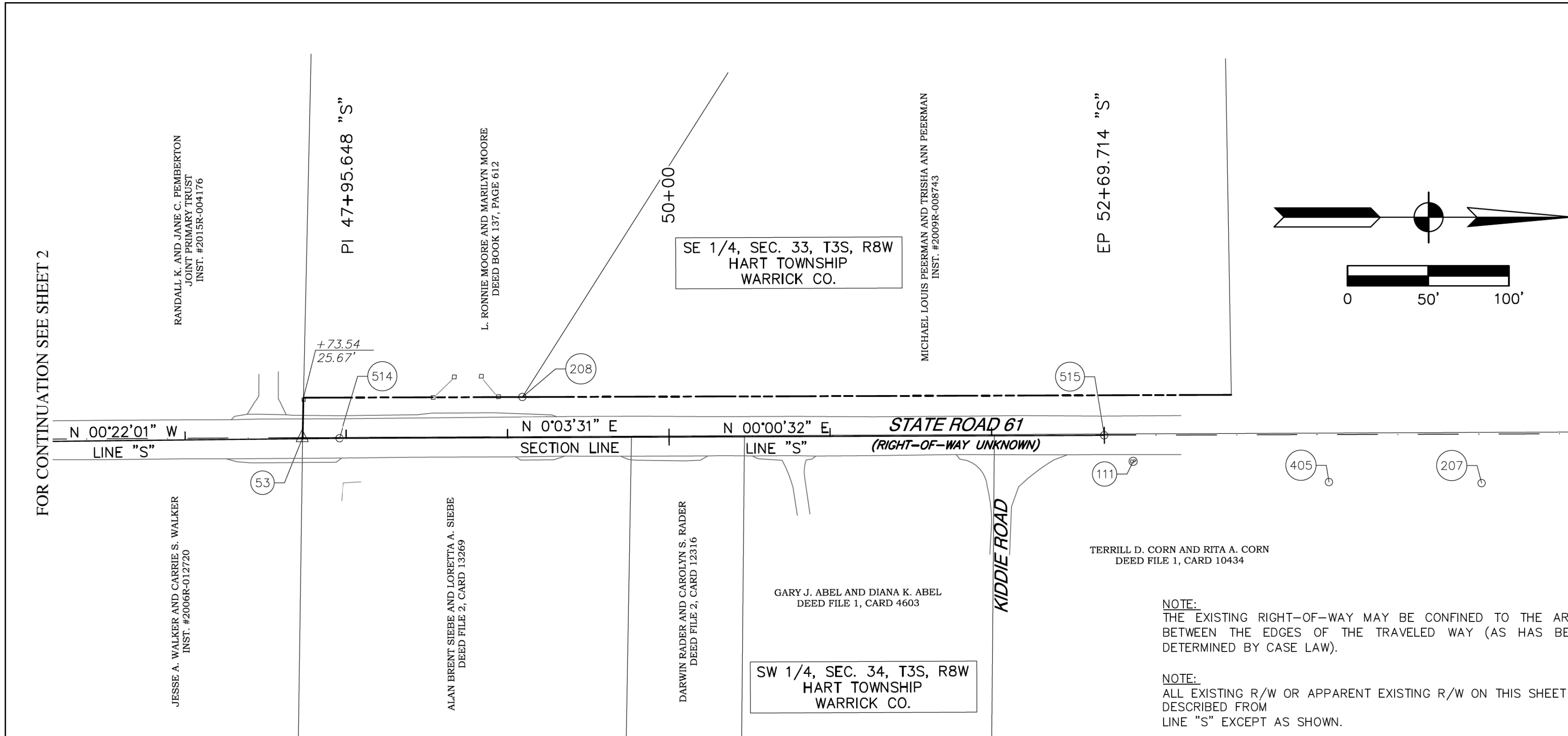
FIELD SURVEYOR STATEMENT
THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



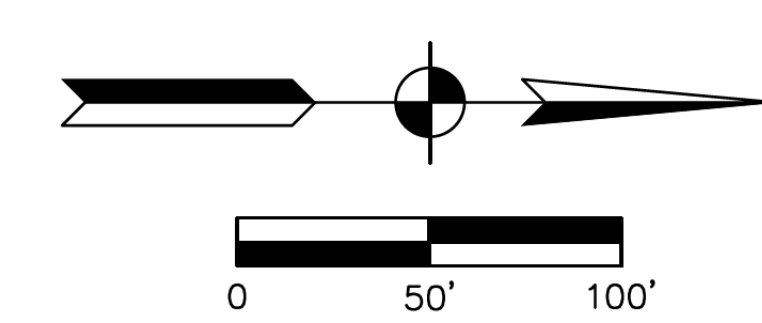
I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW. AUSTIN K. YAKE
RECOMMENDED FOR APPROVAL
Austin K. Yake 5/21/20
REGISTERED LAND SURVEYOR, FIELD
DRAWN: AKY CHECKED: LAJ

INDIANA DEPARTMENT OF TRANSPORTATION
LOCATION CONTROL ROUTE SURVEY
ALIGNMENT SHEET

HORIZONTAL SCALE	DESIGNATION
1" = 50'	1800176
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	4 of 112
CONTRACT	PROJECT
R-41407	1800176



FOR CONTINUATION SEE SHEET 2



SURVEYOR'S REPORT

SR 61 from 0.14 miles south of I-64 to 0.88 miles north of SR 68 junction, in Warrick County, Des. No. 1800176

General

This survey was prepared for the Indiana Department of Transportation (INDOT) Vincennes District to establish the centerline alignment of State Road 61 for a preventative maintenance project and define its relationship to the United States Public Land Survey System (USPLSS), previous INDOT plans, and existing Right-of-Way. Parcel lines and corners shown herein have been placed per observed physical evidence and/or record documents acquired from INDOT records and Gibson County government agencies and are not to be construed as defining actual property lines and corners as in a retracement or original survey. Topographic information was gathered for use in the redesign of SR 61. The alignment was established for use in the design and in establishing any existing and/or proposed right-of-way lines. All monument reference ties are shown on the Route Survey Plat. Should additional USPLSS corners be needed where none were found or perpetuated, they should be reestablished and tied into this survey.

This project is located in Sections 3, 4, 9 and 10, Township 4 South, Range 8 West and Sections 33 and 34, Township 3 South, Range 8 West.

Horizontal Datum (Basis of Bearings):

The horizontal datum for this project is based upon the Indiana Geospatial Coordinate System's (InGCS) "Warrick" zone per NAD 83 (2011) epoch 2010.00. Distances are reported in U.S. Survey Feet and decimal parts thereof. The InGCS zones were developed to minimize the differences between ground-measured horizontal distances and the corresponding grid coordinate (map) distances. Coordinates were established on Control Point No. 100 using a Trimble RB GNSS system and the National Geodetic Survey (NGS) Online User Positioning Service (OPUS).

Vertical Datum

The vertical datum for this project is the North American Vertical Datum of 1988 (NAVD88). Existing INDOT Benchmark "87-V-1288" was recovered in good condition on the concrete guardrail of the SR 61 bridge over I-65. No datashet for the benchmark was available from INDOT. An elevation was established on said benchmark using OPUS. A differential level circuit was performed to at least third order accuracy with an allowable error of $\pm 12 \text{ mm} \times \sqrt{K}$; where K is the length of the circuit in kilometers. Temporary benchmarks were set along the route for easy retrieval during construction.

Alignments

INDOT's research department was contacted could only provide any road plans or grants or deeds for the southerly end of the project (INDOT Project I-64-1(42)26 R/W). Right-of-Way marker posts were found only within said INDOT Project I-64-1(42)26 R/W limits. Line "S-SR61" was established using plan geometry, holding stationing at PNO 505 (40+00.32). There is, in my opinion, up to 2.0 feet of re-establishment uncertainty with respect to this alignment.

Line "S" was created by a best-fit split of the pavement. The stationing for Line "S" is arbitrary and not tied back to any previous road project. Line "S" is an original alignment using arbitrary stationing, and therefore has no re-establishment uncertainty.

Right-of-Way

Existing Right-of-Way from SR68 to the south end of the project was established per said INDOT Project I-64-1(42)26 R/W. R/W from SR 68 to 1st Street was established per record deed descriptions. No R/W deeds for this portion were found, therefore, it is shown as apparent R/W. R/W from 1st Street to approximately Sta 26+50 Line "S" was established at 35 feet per plat of Lynnville as recorded in Deed Record 2, Page 162. During research, three iterations of the plat were found: Deed Record 2, Page 162; Plat Book 1, Page 27; and Plat Book 1, Page 67. The latter plat appears to most closely resemble the existing street layout (street widths); however, it does not contain street or lot dimensions, nor does it contain a legal description. The other two plats appear to have the same layout, but the lot numbering is not consistent between the two plats. There also are several discrepancies between the two legal descriptions, including lot sizes. Intersecting streets appear to have been placed at/near the platted alleys, but extend beyond the platted widths. Some deeds reference exceptions for additional R/W but no documents transferring additional R/W were found. Recovered survey monuments and physical improvements suggest a 60-foot R/W depicted as apparent R/W hereon. No R/W documents were found for the remainder of the project area, with the exception of platted R/W per subdivision plats as depicted hereon.

USPLSS Section Corners

The area has been heavily mined and several section corners have been obliterated. Four Section Corners are referenced below to aid in Right-of-Way acquisition for the project.

- NW Corner of SW Quarter Section 34 (50)
Railroad spike found 0.2 feet below grade per Warrick County Surveyor records. Said railroad spike lies in the centerline of SR 61 and appears to have been set during a survey by Douglas J. McDonald recorded as Instrument Number 1999R-013005. There is, in my opinion, negligible uncertainty with respect to the location of this corner.

- SW Corner Section 34 (51)
Railroad spike found 0.05 feet below grade per Warrick County Surveyor records. Said railroad spike lies approximately 9 feet south of the centerline of 4th Street and appears to have been set during a survey by Douglas J. McDonald recorded as Instrument Number 1999R-013005. Several subsequent surveys along the east side of SR61 have held said monument. However, the location of said monument disagrees with found monuments and occupation along the west side of SR61 by as much as 10 feet. There is, in my opinion, up to 10 feet of uncertainty with respect to the location of this corner.

- SE Corner of SW Quarter of Section 34 (52)
Railroad spike found 0.2 feet below grade per Warrick County Surveyor records. Said railroad spike lies in the centerline of 4th Street and appears to have been set during a survey by Douglas J. McDonald recorded as Instrument Number 1999R-013005. There is, in my opinion, negligible uncertainty with respect to the location of this corner.

- NW Corner of SW Quarter of SW Quarter of Section 34 (53)
Mag nail found 0.2 feet below grade per Warrick County Surveyor records. Said mag nail lies in the centerline of SR 61 and appears to have been set during a survey by Douglas J. McDonald recorded as Instrument Number 199R-013005. There is, in my opinion, up to 1.0 feet of uncertainty with respect to the location of this corner.

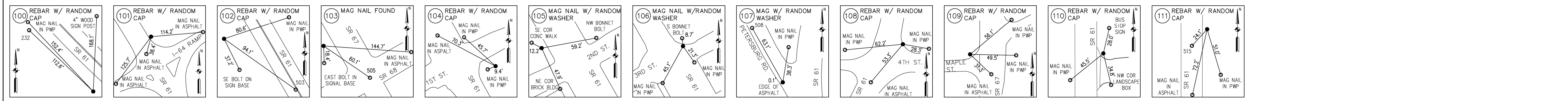
ALIGNMENT POINTS - LINE "S-SR61"				
POINT No.	NORTHING	EASTING	MONUMENT	DESCRIPTION
500	242,268.3247	789,539.7930	MAG NAIL W/HWC FIRM WASHER	EP STA. 63+00.00
501	243,223.9855	788,971.4721	DRILL HOLE IN CONCRETE	POT STA. 51+88.12
502	243,564.4387	788,769.0084	DRILL HOLE IN CONCRETE	PT STA. 47+92.01
503	243,841.8325	788,604.0453	DRILL HOLE IN CONCRETE	PI STA. 44+69.29
504	244,122.5739	788,444.8461	DRILL HOLE IN CONCRETE	PC STA. 41+46.56
505	244,249.7841	788,372.7094	1-INCH IRON PIPE FOUND 0.2 FT BG	BP STA. 40+00.32

ALIGNMENT POINTS - LINE "S"				
POINT No.	NORTHING	EASTING	MONUMENT	DESCRIPTION
505	244,249.7841	788,372.7094	1-INCH IRON PIPE FOUND 0.2 FT BG	BP STA. 10+00.00
506	245,120.2328	787,880.4503	MAG NAIL W/HWC FIRM WASHER	POT STA. 20+00.00
507	245,720.3923	787,541.0461	MAG NAIL W/HWC FIRM WASHER	PC STA. 26+89.48
508	245,898.9782	787,440.0516	MAG NAIL W/HWC FIRM WASHER	PI STA. 28+94.65
509	246,012.1742	787,611.1641	MAG NAIL W/HWC FIRM WASHER	PT STA. 30+19.71
510	246,056.7024	787,678.4750	MAG NAIL W/HWC FIRM WASHER	PC STA. 31+00.42
511	246,158.1688	787,831.8564	CALCULATED POINT	PI STA. 32+84.32
512	246,342.0718	787,830.8818	MAG NAIL W/HWC FIRM WASHER	PT STA. 34+37.58
513	247,170.2000	787,826.4930	MAG NAIL W/HWC FIRM WASHER	PI STA. 42+65.72
514	247,700.1150	787,823.0990	MAG NAIL W/HWC FIRM WASHER	PI STA. 47+95.65
515	248,174.1810	787,823.1720	MAG NAIL W/HWC FIRM WASHER	EP STA. 52+69.71

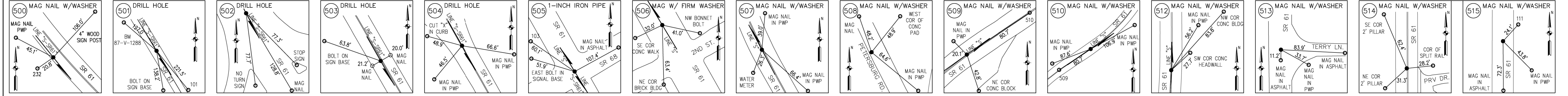
RANDOM CONTROL POINTS - LINE "S-SR61"					
POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
100	242,178.4927	789,603.9539	NA	NA	REBAR W/HWC RANDOM CAP
101	243,048.3242	789,106.3939	54+08.06	26.18 Lt.	REBAR W/HWC RANDOM CAP
102	243,896.3146	788,527.5351	43+83.86	40.58 Rt.	REBAR W/HWC RANDOM CAP

RANDOM CONTROL POINTS - LINE "S"					
POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
103	244,283.8269	788,323.1825	10+54.01	26.35	MAG NAIL FOUND
104	244,642.2300	788,193.3073	14+29.92	37.02	REBAR W/HWC RANDOM CAP
105	245,100.5794	787,862.3061	19+91.82	25.47	MAG NAIL W/HWC RANDOM WASHER
106	245,471.6456	787,703.5870	23+92.95	19.04	MAG NAIL W/HWC RANDOM WASHER
107	245,820.0650	787,484.2630	27+95.07	28.43	MAG NAIL W/HWC RANDOM WASHER
108	246,238.0212	787,833.1028	33+37.06	17.16	MAG NAIL W/HWC RANDOM WASHER
109	246,731.2153	787,805.3441	38+26.86	23.48	REBAR W/HWC RANDOM CAP
110	247,511.0687	787,842.0879	46+06.48	17.78	REBAR W/HWC RANDOM CAP
111	248,191.9671	787,839.3783	NA	NA	REBAR W/HWC RANDOM CAP

RANDOM CONTROL POINTS



ALIGNMENT POINTS



SURVEY STARTED	
11/05/2019	
SURVEY COMPLETED	
05/04/2020	
ROUTE PLAT SHEETS	
3	of 4

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCIE - NEW ALBANY

135 N. PENNSYLVANIA ST, SUITE 2800,
INDIANAPOLIS, IN 46204
TEL. 317-347-3663 www.hwcengineering.com

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



RECOMMENDED FOR APPROVAL
Austin K. Yabe 5/21/20
REGISTERED LAND SURVEYOR, FIELD

DRAWN: AKY CHECKED: LAJ

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY
ALIGNMENT SHEET

HORIZONTAL SCALE	DESIGNATION
1" = 50'	1800176
VERTICAL SCALE	
N/A	
SURVEY BOOK	
SHEETS	
6	of 112
CONTRACT	
PROJECT	
R-41407	1800176

DIRECTOR: WA. NICHOLS, 2019-2020-5 AGS-5
 FILE NO.: 2019-00176 (SR 61)
 PROJECT: SR 61 REDESIGN (SR 61)
 DATE: 05/04/2020 - 4:38pm

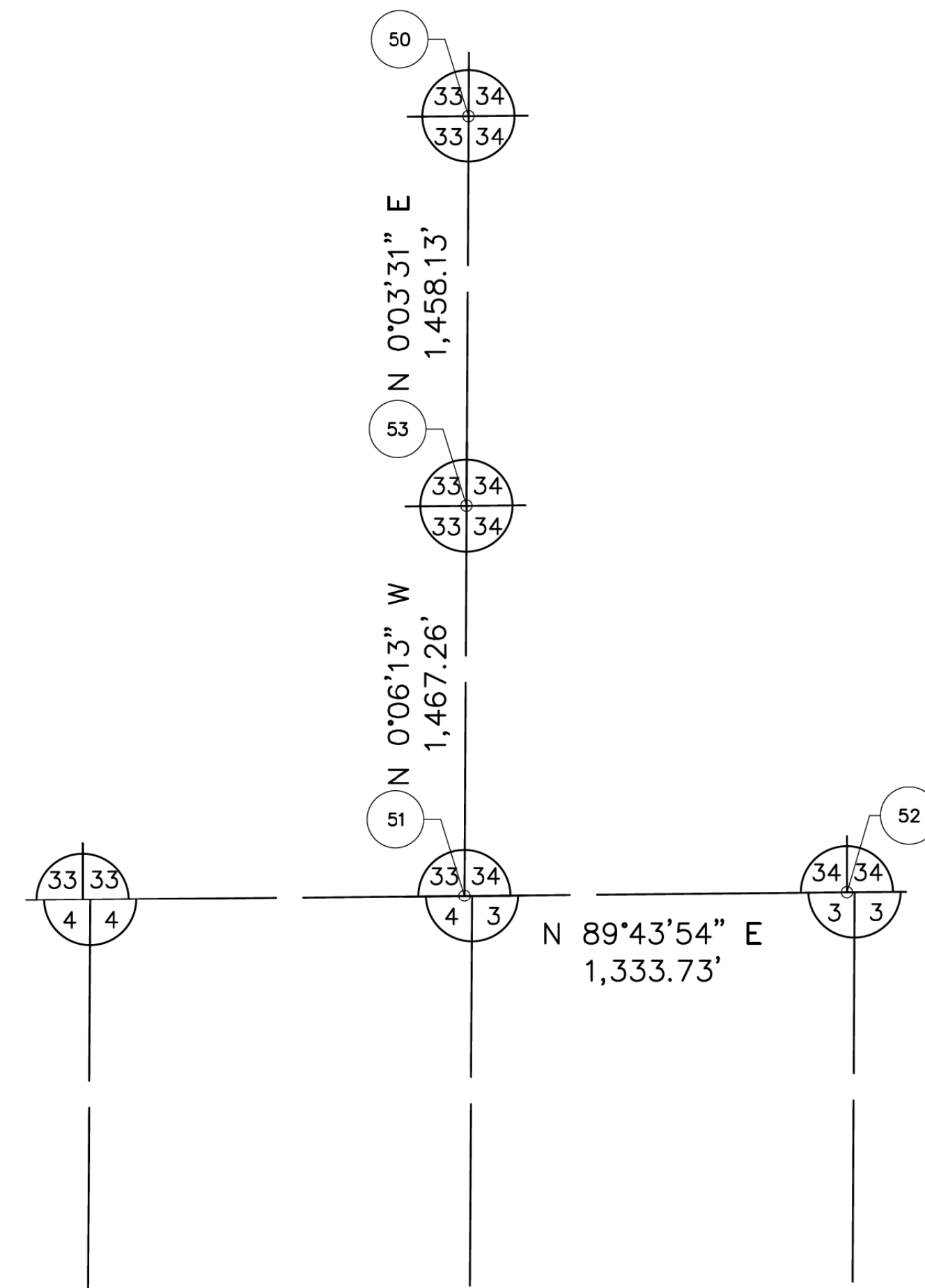
REFERENCE MONUMENTS - LINE "S"					
POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
200	245,453.7493	787,662.7369	23+97.48	25.33	MAG NAIL FOUND FLUSH
201	246,233.8947	787,786.3633	33+18.29	25.96	1.5 INCH IRON PIPE FD 0.7FT AG
202	247,189.8257	787,857.4910	42+85.15	31.12	RAILROAD RAIL FD 0.1FT BG
203	247,116.9517	787,855.1153	42+12.32	28.34	CAPPED REBAR ILLEGIBLE FD 0.1FT BG
204	247,144.2695	787,798.0187	42+39.94	28.61	5/8 INCH REBAR FD 0.2FT BG
205	247,249.3729	787,797.3909	43+45.08	28.59	5/8 INCH REBAR FD 0.1FT BG
206	247,363.8106	787,856.1180	44+59.14	30.86	5/8 INCH REBAR FD 0.2FT BG BENT
207	248,408.0347	787,853.7206	NA	NA	5/8 INCH REBAR FD 0.1FT BG
208	247,813.6910	787,797.6871	49+09.22	25.43	CAPPED REBAR BIVINS 910003 FD 0.1FT BG
209	246,216.0839	789,137.7030	NA	NA	MAG NAIL FD 0.1FT BG
211	245,920.3591	787,407.9009	28+63.26	117.34	1INCH IRON PIPE FD 0.2FT BG
212	245,668.8549	787,541.9583	26+44.17	24.58	5/8 INCH REBAR FD 0.1FT BG
215	244,548.9523	788,175.2066	13+57.63	24.65	1.5IN IRON PIPE FD 0.2FT BG
216	244,715.4409	788,077.1867	15+50.80	28.01	CUT "X" IN SIDEWALK
217	244,798.0527	788,030.1413	16+45.87	28.30	5/8 INCH REBAR FD FLUSH
218	244,841.1175	788,005.6405	16+95.42	28.42	CAPPED REBAR BIVINS 910003 FD FLUSH
219	244,870.8101	788,054.0843	16+97.42	28.36	1/2 INCH REBAR FD FLUSH
220	244,882.6674	788,049.6964	17+09.90	30.38	1/2 INCH REBAR FD FLUSH
221	244,882.0113	788,048.8089	17+09.76	29.28	PK NAIL HOLE FD IN CONC
222	244,862.8234	788,064.2095	16+85.48	33.24	CAPPED REBAR FRED KUESTER S0137 FD FLUSH
223	244,816.4399	788,086.2930	16+34.24	29.63	5/8 INCH REBAR FD FLUSH
224	244,274.2830	788,266.5241	10+73.60	80.37	5/8 INCH REBAR FD 0.4FT BG BENT SOUTH
227	244,370.3653	788,521.3713	10+31.78	188.76	CONC R/W MARKER
228	244,542.6359	788,894.5469	NA	NA	MAG NAIL FD FLUSH
229	244,483.5951	788,789.3251	NA	NA	MAG NAIL FD FLUSH
230	244,194.9060	788,275.3851	10+00.14	111.73	MAG NAIL FD FLUSH
231	243,949.4591	787,839.8288	10+00.90	611.68	MAG NAIL FD FLUSH
233	244,820.4407	788,304.6618	15+30.22	221.68	5/8 INCH REBAR FD FLUSH
234	244,451.1551	788,229.6938	12+45.68	25.36	6IN STEEL COVER FD FLUSH
235	244,658.2928	788,175.7949	14+52.52	29.69	MAG NAIL W/STEEL WASHER FD FLUSH
236	245,703.0936	787,583.9122	26+53.32	28.80	ZIN PIPE FD 0.4FT AG
237	246,679.8730	787,859.2650	37+75.23	30.17	1IN IRON PIN FD 0.4FT AG BENT S
238	246,936.6870	787,855.4140	40+32.06	27.68	5/8 INCH REBAR FD 0.4FT AG

TEMPORARY BENCHMARKS - LINE "S" (* DENOTES LINE S-SR61")							
POINT No.	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DIRECTION	DESCRIPTION
1	243,319.0598	788,887.3367	484.30	50+63.40*	23.7*	Rt.*	TBM -- 87-V-1288
400	242,114.5780	789,767.8930	526.24	NA	NA	NA	TBM1 -- BENCH TIE NW FACE PWP
401	244,264.7403	788,322.9031	465.56	10+37.54	36.0	Rt.	TBM2 -- X ON ANCHOR BOLT TRAFFIC SIGNAL
402	245,111.5580	787,920.4741	485.40	19+72.75	30.6	Rt.	TBM3 -- X ON FLANGE BOLT OF FIRE HYDRANT
403	245,857.8960	787,489.8460	494.76	28+29.06	24.4	Rt.	TBM4 -- BENCH TIE NW FACE PWP
404	247,154.0890	787,856.0780	528.93	42+49.45	29.5	Rt.	TBM5 -- BENCH TIE NW FACE PWP
405	248,313.3970	787,852.7380	531.93	NA	NA	NA	TBM6 -- BENCH TIE W FACE PWP
406	246,730.0750	787,854.7360	511.07	38+25.45	25.9	Rt.	TBM7 -- NORTH FLANGE BOLT OF FIRE HYDRANT

SECTION CORNERS - LINE "S"					
POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
50	249,135.3143	787,824.0571	0+00.00	1000.00	RAILROAD SPIKE FOUND 0.2 FEET BELOW GRADE
51	246,209.9295	787,825.2231	33+09.39	18.84	RAILROAD SPIKE FOUND 0.05 FEET BELOW GRADE
52	246,216.1750	789,158.9340	34+10.53	1332.66	RAILROAD SPIKE FOUND 0.2 FEET BELOW GRADE
53	247,677.1868	787,822.5685	47+72.72	0.68	MAG NAIL FOUND 0.2 FEET BELOW GRADE

REFERENCE MONUMENTS - LINE "S-SR61"					
POINT No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
225	244,091.4076	788,417.9838	41+60.40	38.74 Rt.	CAPPED REBAR BIVINS 910003 FD 0.1FT BG
226	244,008.4970	788,658.9049	43+52.23	129.26 Lt.	CONC R/W MARKER
232	242,256.1693	789,522.6625	NA	NA	CONC R/W MARKER

SECTION MAP
 SECTIONS 3, 4, 9 AND 10, TOWNSHIP 4 SOUTH, RANGE 8 WEST
 SECTIONS 33 AND 34, TOWNSHIP 3 SOUTH, RANGE 8 WEST
 HART TOWNSHIP
 WARRICK COUNTY, INDIANA



DIRECTOR: W:\Map\2019-2020-238-S-1825- Lymville SR61 (Design\CAD) (Survey)
 FILE NAME: 182526LCSRP.dwg
 PLOT SCALE: 1"=50'
 DATE: May 21, 2020 - 1:58pm

SURVEY STARTED	
11/05/2019	
SURVEY COMPLETED	
05/04/2020	
ROUTE PLAT SHEETS	
4	of 4

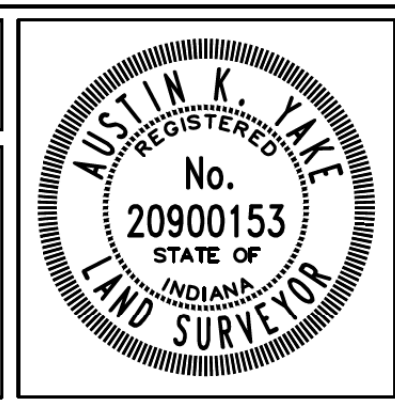
HWC ENGINEERING

INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCIE - NEW ALBANY

135 N. PENNSYLVANIA ST, SUITE 2800,
INDIANAPOLIS, IN 46204
TEL. 317-347-3663 www.hwcengineering.com

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-26 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OR DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY.



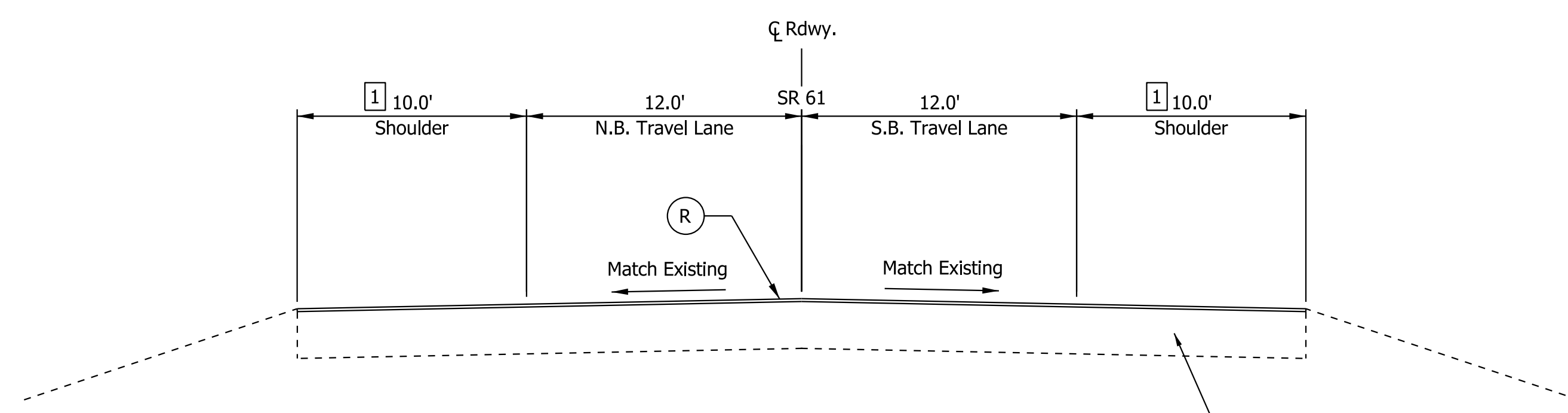
RECOMMENDED FOR APPROVAL *Austin K Yabe* 5/21/20
 REGISTERED LAND SURVEYOR, FIELD

DRAWN: AKY CHECKED: LAJ

INDIANA DEPARTMENT OF TRANSPORTATION

LOCATION CONTROL ROUTE SURVEY
ALIGNMENT SHEET

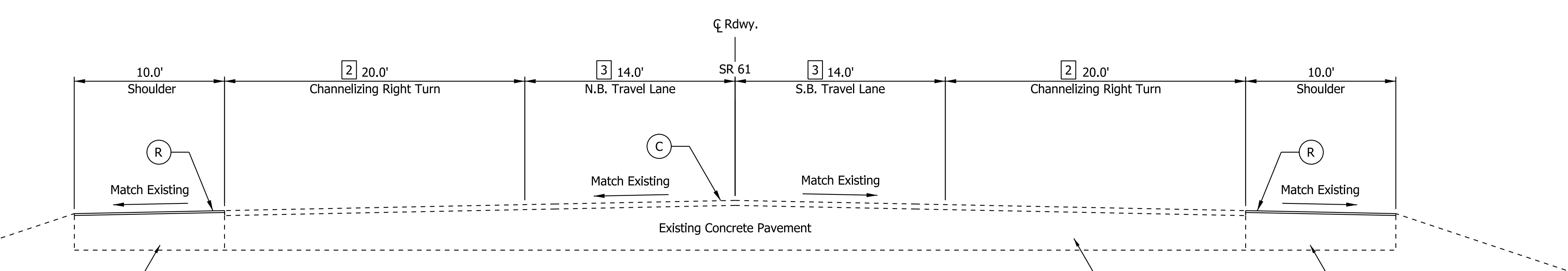
HORIZONTAL SCALE	DESIGNATION
1" = 50'	1800176
VERTICAL SCALE	
N/A	
SURVEY BOOK	SHEETS
	7 of 112
CONTRACT	PROJECT
R-41407	1800176



SR 61 - Typical Mill and Overlay Detail - Uncurbed Section

Sta. 40+00.32.00 Line "S-SR 61" to Sta. 40+15.00 Line "S-SR 61"
 Sta. 49+18.00 Line "S-SR 61" to Sta. 50+39.00 Line "S-SR 61"
 Paving Exception Sta. 50+39.00 Line "S-SR 61" to Sta. 53+17.00 Line "S-SR 61"
 Sta. 53+17.00 Line "S-SR 61" to Sta. 54+38.00 Line "S-SR 61"
 Sta. 10+00.00 Line "S" to Sta. 10+13.00 Line "S"

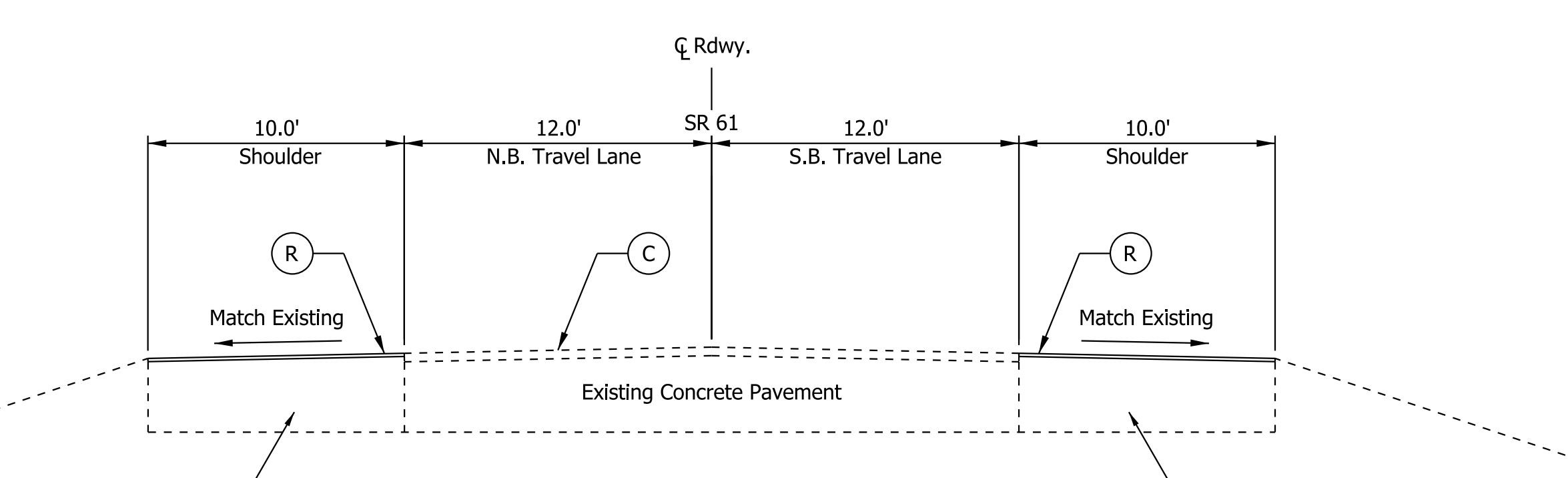
1 0' from Sta. 40+00.32 Line "S-SR 61" to Sta. 40+15.00 Line "S-SR 61"
 0' from Sta. 10+00.00 Line "S" to Sta. 10+13.00 Line "S"



SR 61 - Typical Concrete Pavement Restoration Detail - Uncurbed Section

Sta. 40+15.00 Line "S-SR 61" to Sta. 41+60.00 Line "S-SR 61"

2 Varies from 20' to 0' from Sta. 40+15.00 Line "S-SR 61" to Sta. 41+60.00 Line "S-SR 61"
 3 Varies from 14' to 12' from Sta. 40+75.00 Line "S-SR 61" to Sta. 41+60.00 Line "S-SR 61"



SR 61 - Typical Concrete Pavement Restoration Detail - Uncurbed Section

Sta. 41+60.00 Line "S-SR 61" to Sta. 49+18.00 Line "S-SR 61"
 Sta. 54+38.00 Line "S-SR 61" to Sta. 59+02.00 Line "S-SR 61"

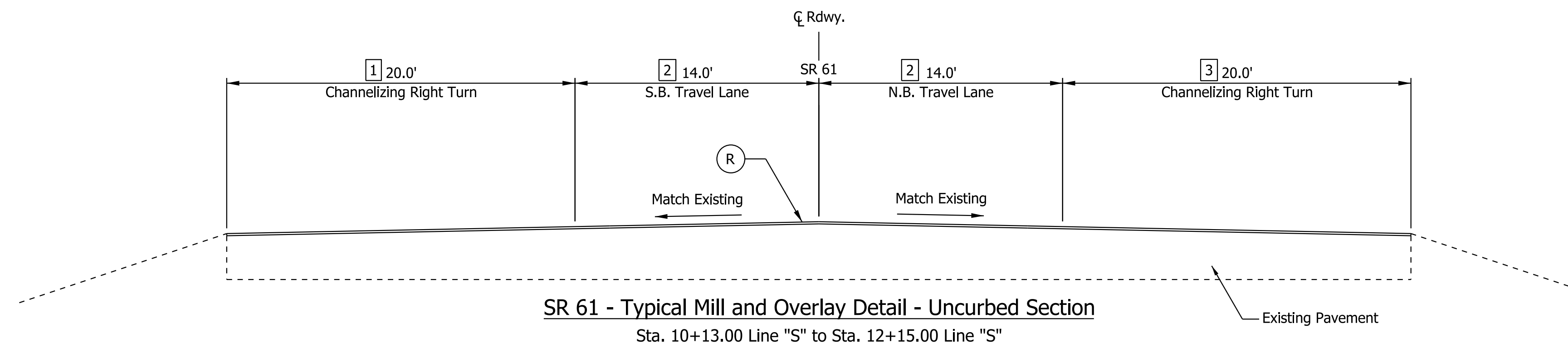
6/17/2022 9:20 AM
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Legend	
(C)	Concrete Pavement Restoration (See Summary Tables)
(R)	Mill and Overlay Milling, Asphalt, 1.5 in. then 165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm on existing pavement

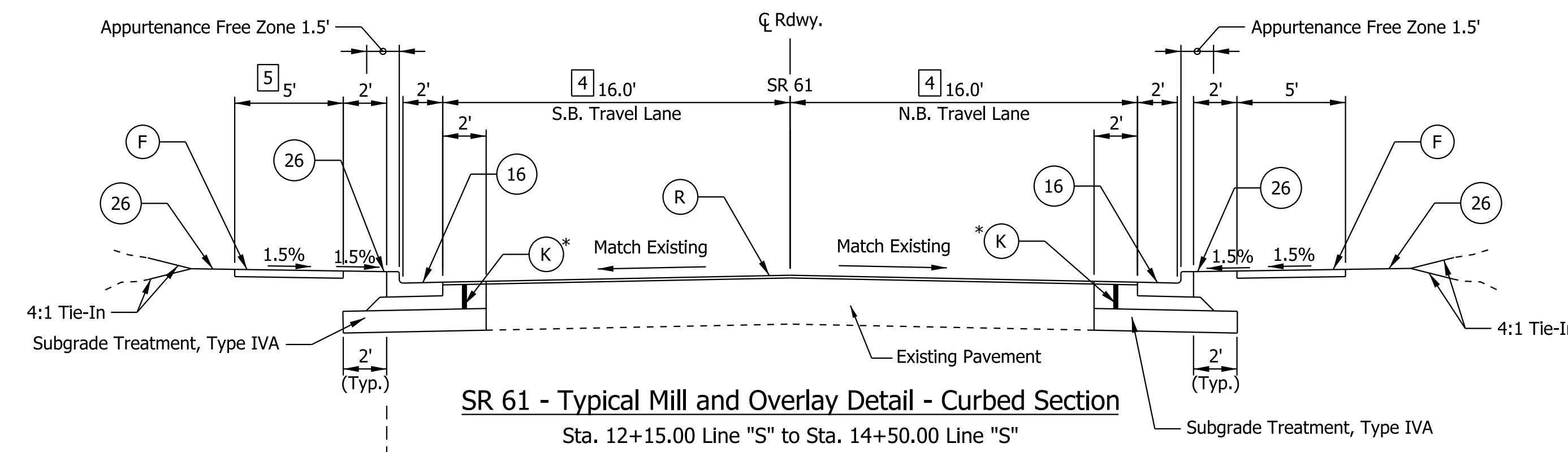
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DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	

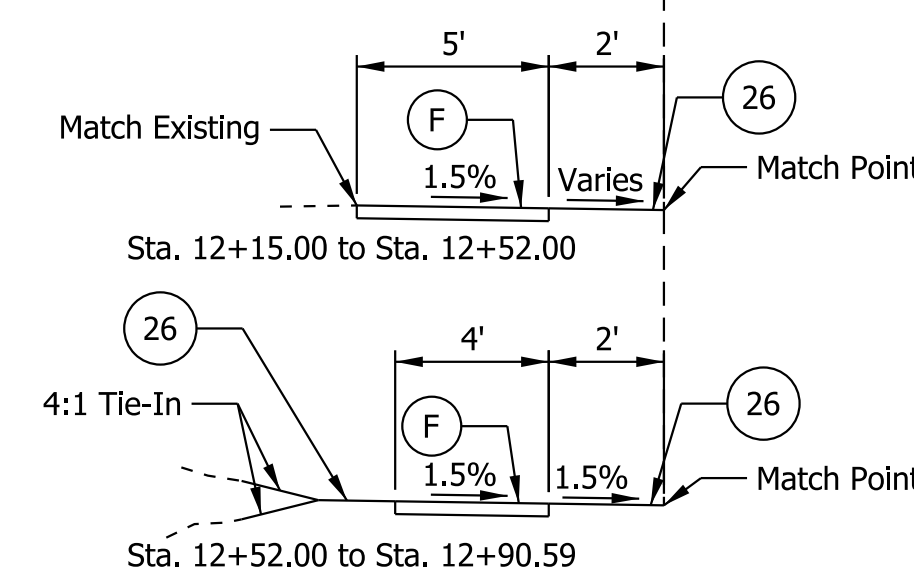
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N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	8 of 112
CONTRACT	PROJECT
R-41407	1800176



- 1 Varies from 20' to 0' from Sta. 11+00.00 Line "S" to Sta. 11+60.00 Line "S"
- 2 Varies from 14' to 16' from Sta. 11+00.00 Line "S" to Sta. 12+15.00 Line "S"
- 3 Varies from 20' to 0' from Sta. 11+00.00 Line "S" to Sta. 11+60.00 Line "S"



- 4 Width varies from Sta. 12+15.00 Line "S" to Sta. 14+50.00 Line "S" (match existing pavement width)
- 5 Width varies 4' to 5' from Sta. 12+90.59 to 12+97.58



NOTE
* Base layer to be placed at variable depths to match the existing total asphalt thickness

Plot: 6/17/2022 9:20 AM
IP_PWP:d0365445\Shit TS.dgn

Legend

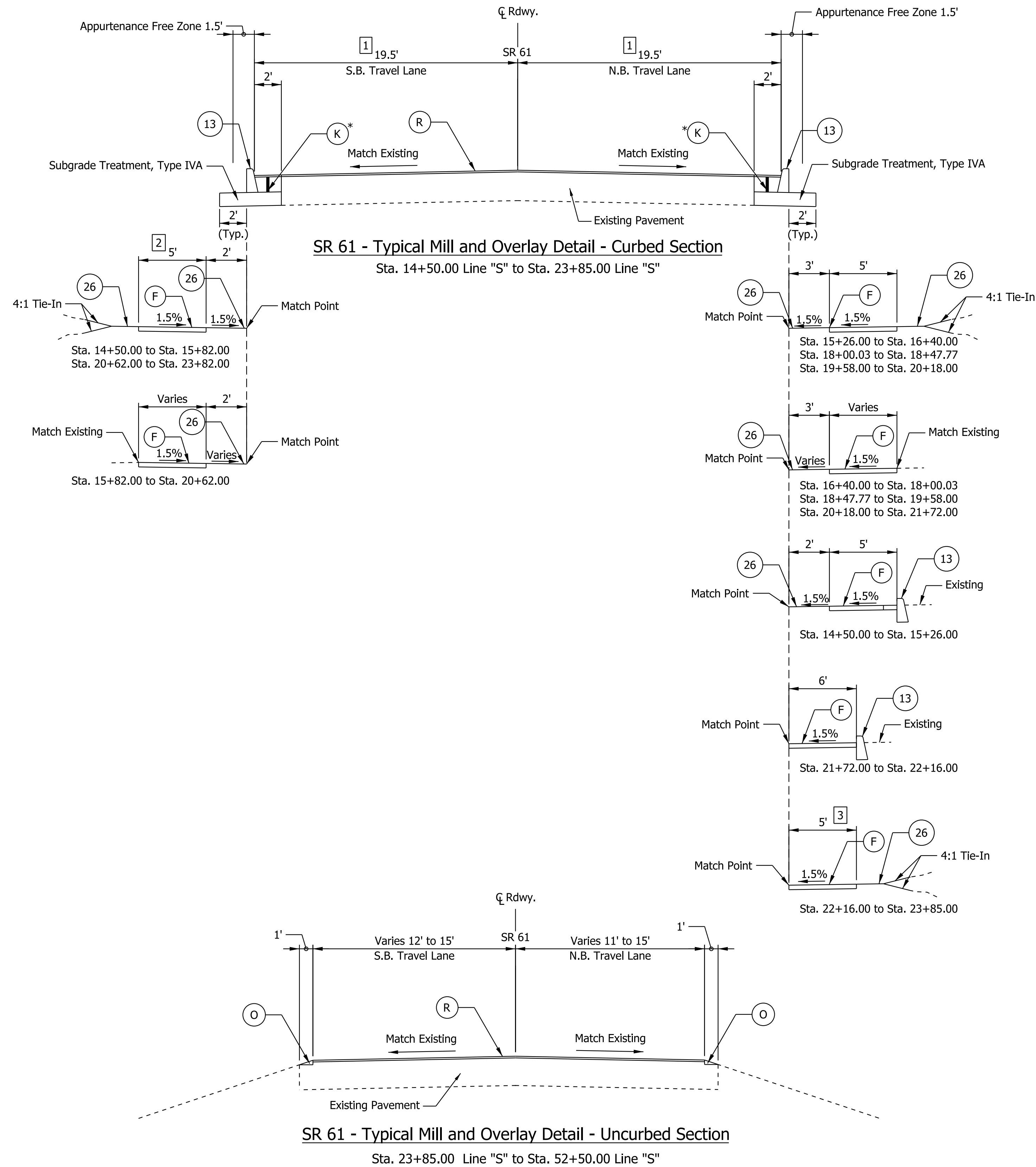
- (K) HMA Patching Full Depth Type B composed of:
440 lb/syd HMA, Intermediate, Type B on
1100 lb/syd (avg. depth) HMA, Base, Type B on
Subgrade Treatment, Type IVA
- (R) Mill and Overlay
Milling, Asphalt, 1.5 in. then
165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm on
existing pavement
- (16) Curb and Gutter, Concrete
- (F) Sidewalk, Concrete
- (13) Curb, Concrete
- (26) Sodding, Nursery
- (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____
DESIGNED: SAC _____	DRAWN: SAC _____
CHECKED: BEA _____	CHECKED: BEA _____

**INDIANA
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

HORIZONTAL SCALE N/A	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1800176
SURVEY BOOK	SHEETS 9 of 112
CONTRACT R-41407	PROJECT 1800176



- 1 Width varies from Sta. 14+50 Line "S" to Sta. 23+85 Line "S" (match existing pavement width)
- 2 Width varies from Sta. 14+50.00 to 15+82.00
- 3 Width varies from Sta. 22+16.00 to Sta. 22+56.71
Width varies 8' to 5' from Sta. 22+56.71 to Sta. 22+74.60
Width varies 5' to 8.5' from Sta. 23+32.01 to Sta. 23+53.86

NOTE
* Base layer to be placed at variable depths to match the existing total asphalt thickness

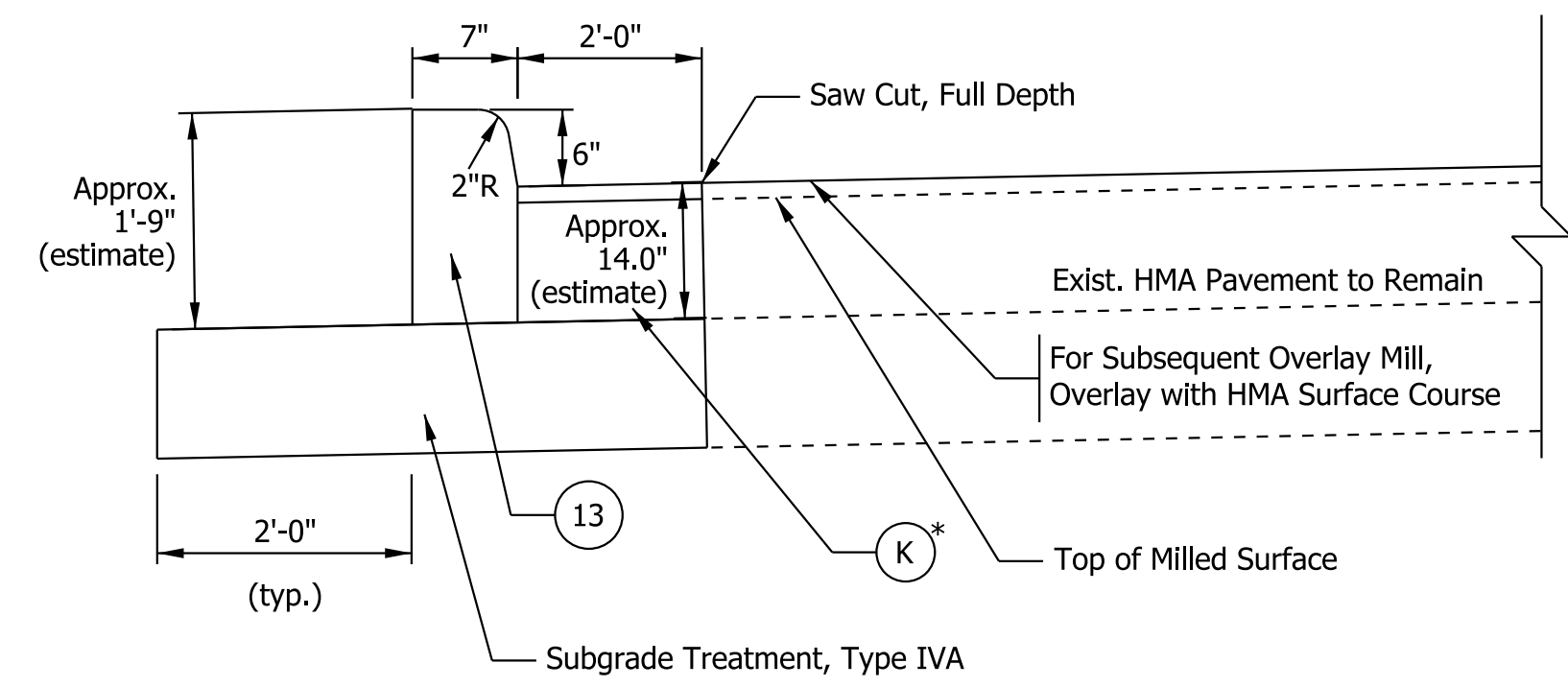
- Legend**
- (K) HMA Patching Full Depth Type B composed of:
440 lb/syd HMA, Intermediate, Type B on
1100 lb/syd (avg. depth) HMA, Base, Type B on
Subgrade Treatment, Type IVA
 - (F) Sidewalk, Concrete
 - (R) Mill and Overlay
Milling, Asphalt, 1.5 in. then
165 lb/syd QC/QA-HMA, 3, 64, Surface, 9.5 mm on
existing pavement
 - (13) Curb, Concrete
 - (16) Curb and Gutter, Concrete
 - (26) Sodding, Nursery
 - (O) Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

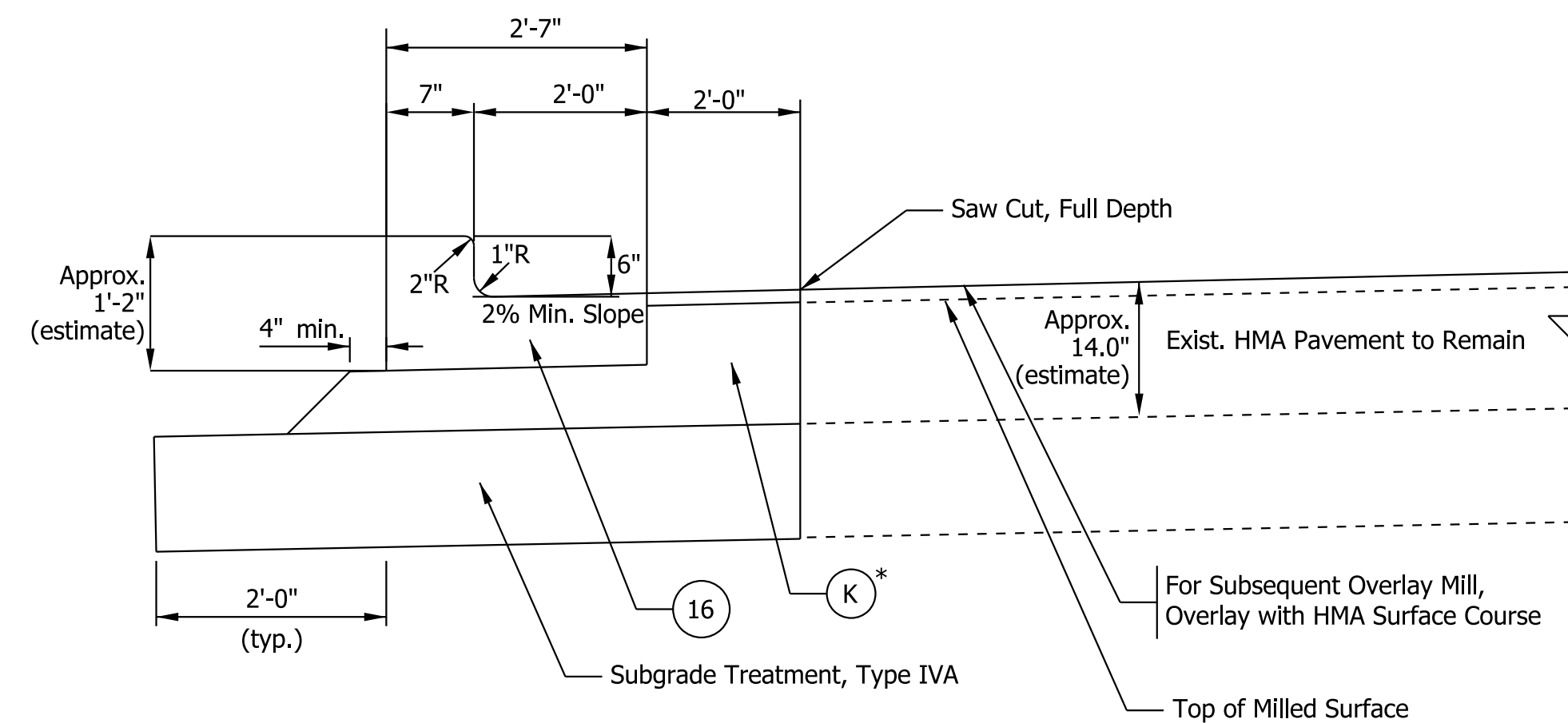
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

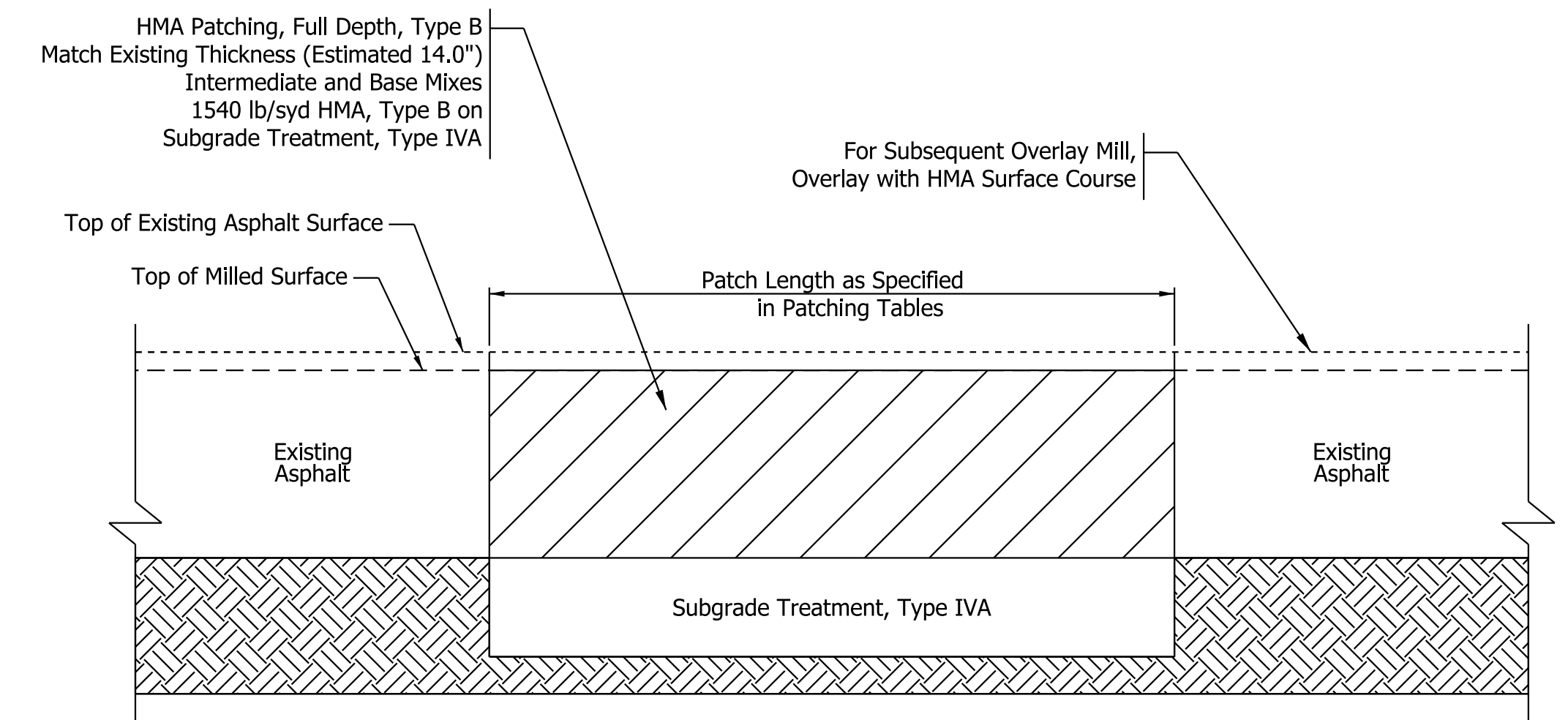
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	10 of 112
CONTRACT	PROJECT
R-41407	1800176



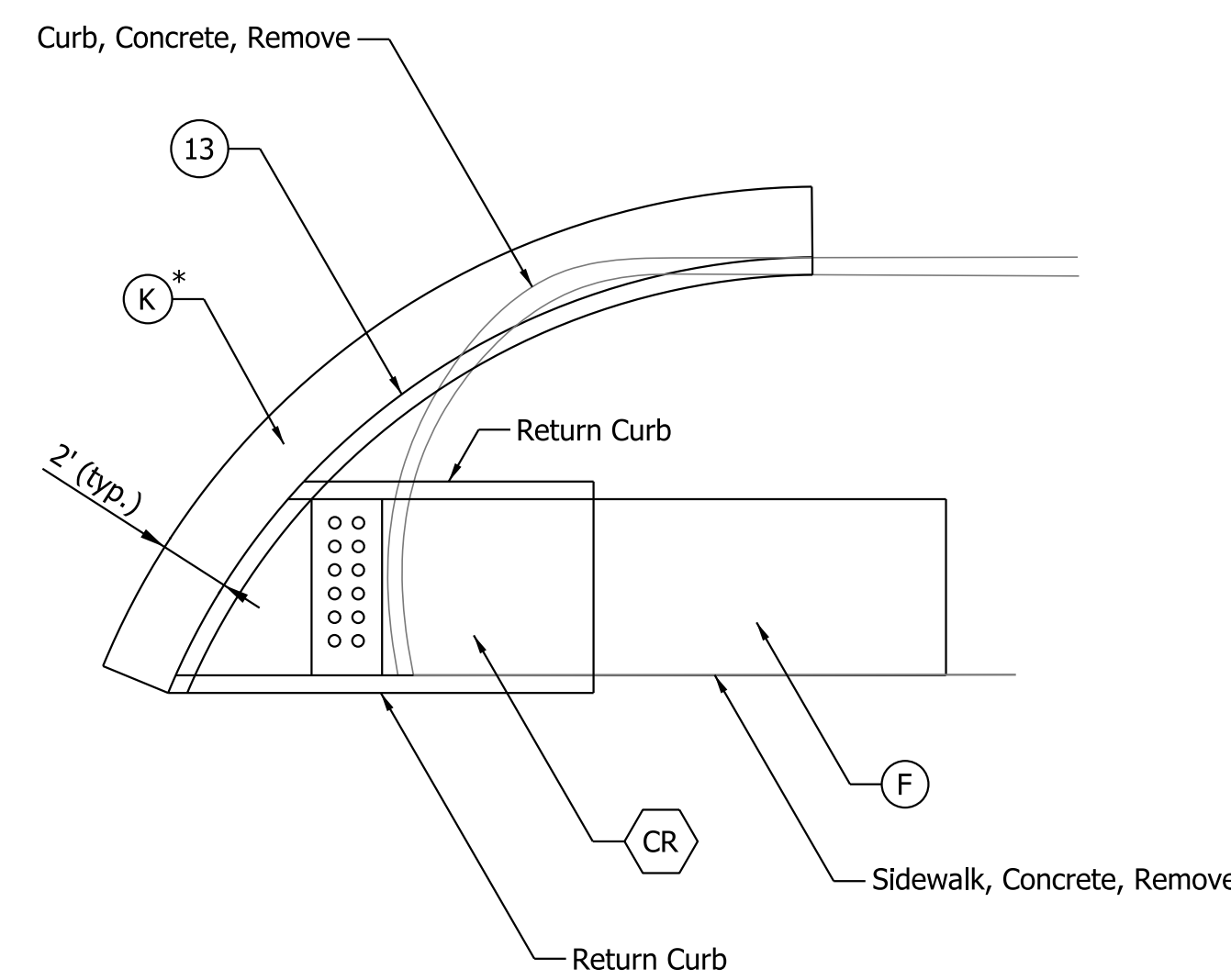
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CURB, CONCRETE - HMA ADJACENT



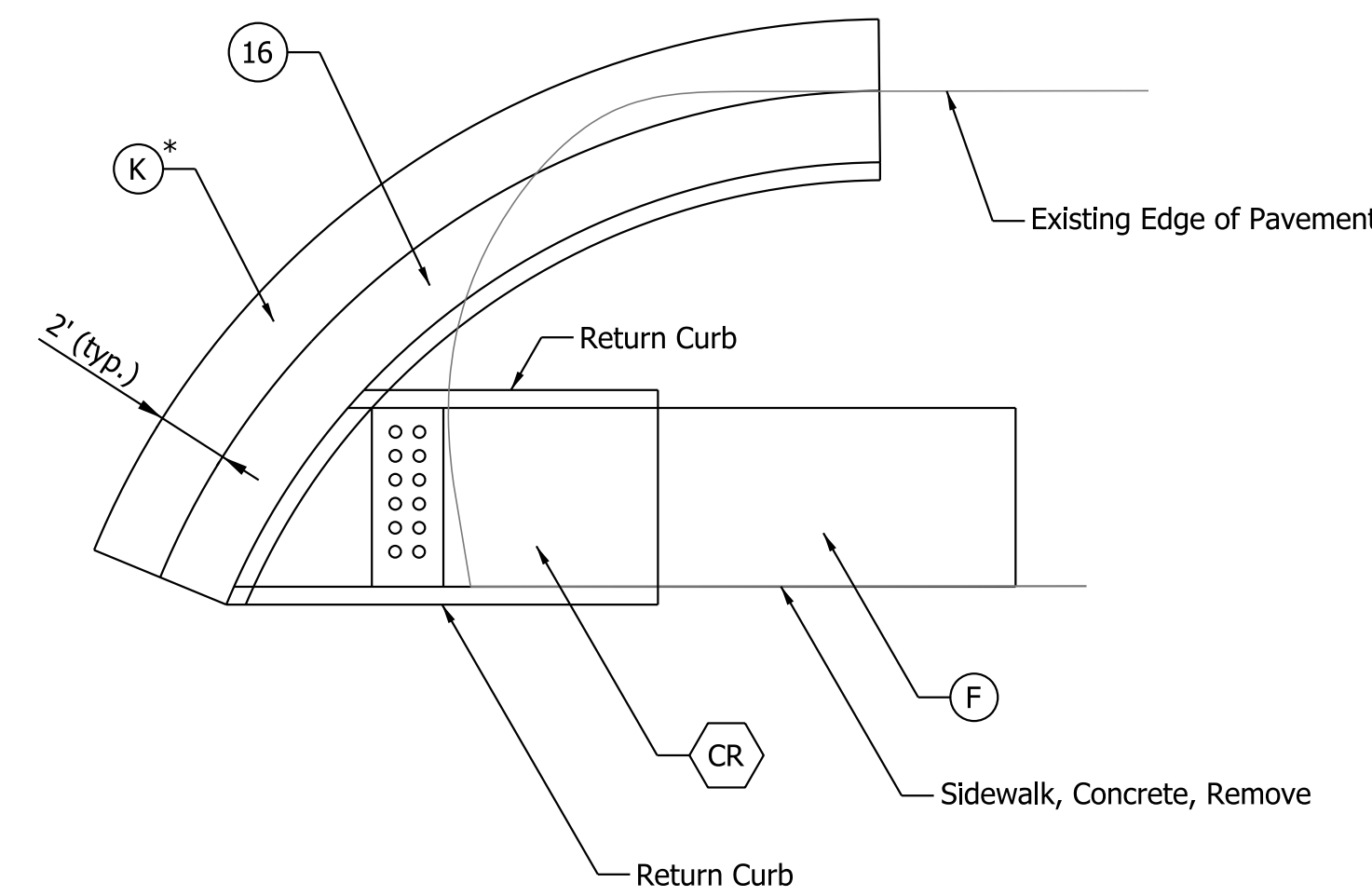
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CURB AND GUTTER, CONCRETE - HMA ADJACENT



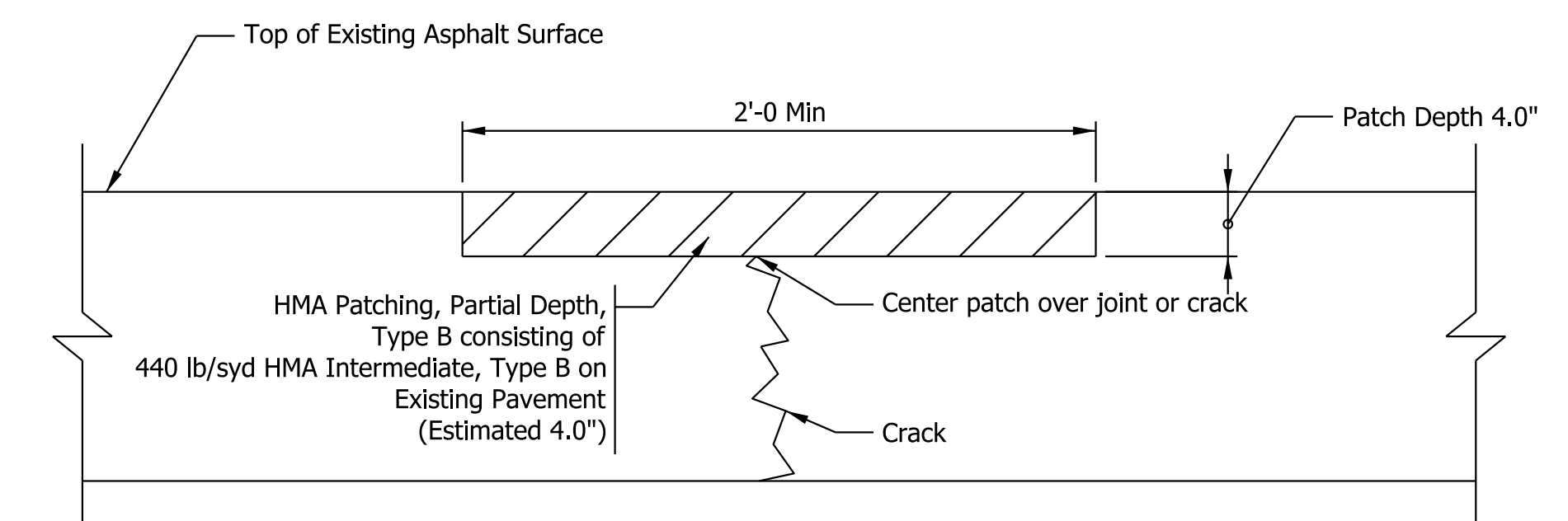
ASPHALT PAVEMENT
FULL-DEPTH HMA PATCH
(NOT TO SCALE)



TYPICAL CURB RAMP WITH EXISTING CURB DETAIL
(NOT TO SCALE)



TYPICAL CURB RAMP WITHOUT EXISTING CURB DETAIL
(NOT TO SCALE)



ASPHALT PAVEMENT
PARTIAL-DEPTH HMA PATCH
(NOT TO SCALE)

NOTE
* Base layer to be placed at variable depths to match the existing total asphalt thickness

Plot: 6/17/2022 9:20 AM
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Legend

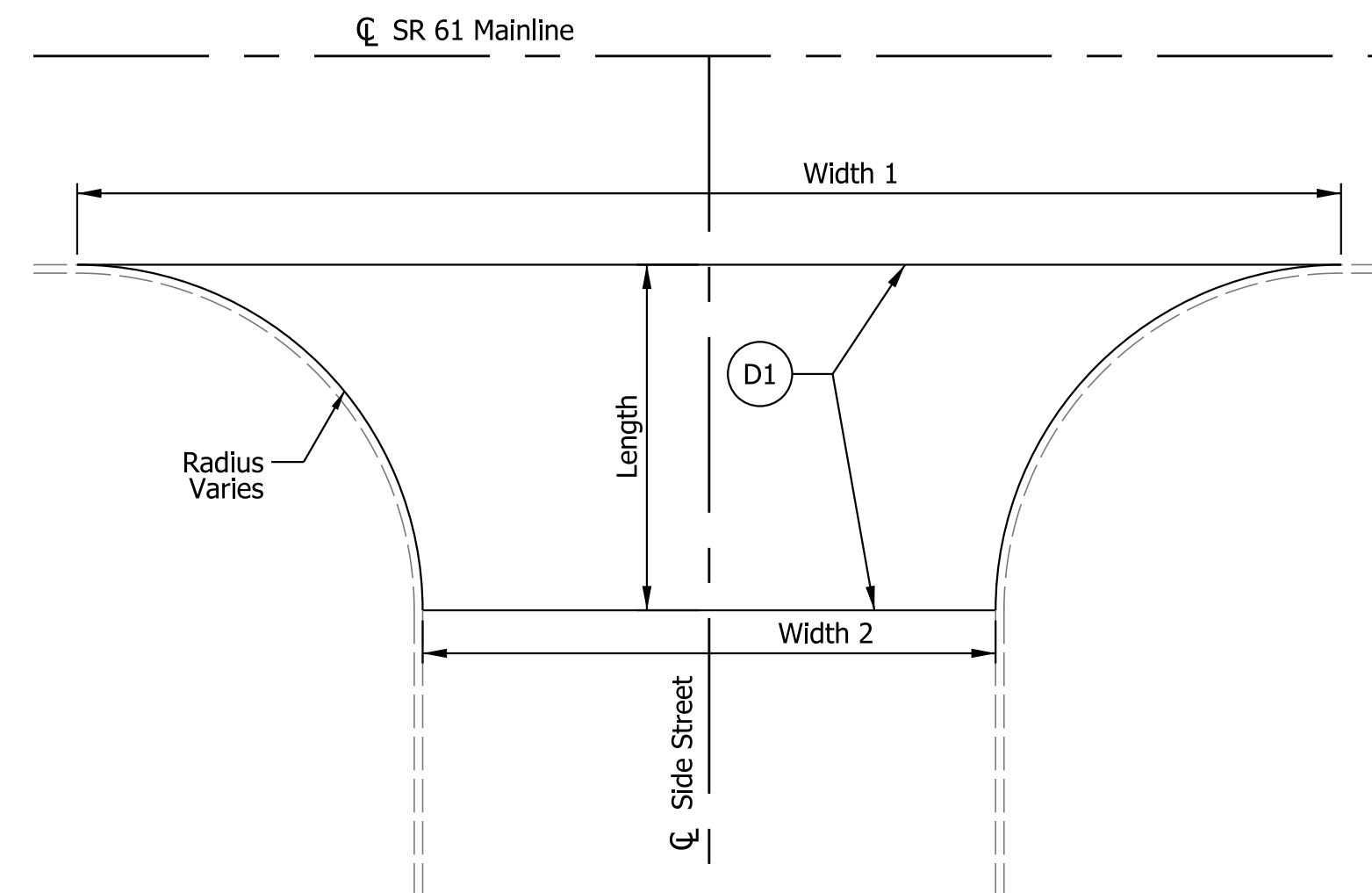
- CR Curb Ramp, Concrete
- K HMA Patching Full Depth Type B composed of:
440 lb/syd HMA, Intermediate, Type B on
1100 lb/syd (avg. depth) HMA, Base, Type B on
Subgrade Treatment, Type IVA
- 13 Curb, Concrete
- F Sidewalk, Concrete
- 16 Curb and Gutter, Concrete

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	
DESIGNED: SAC _____ DRAWN: SAC _____	
CHECKED: BEA _____ CHECKED: BEA _____	

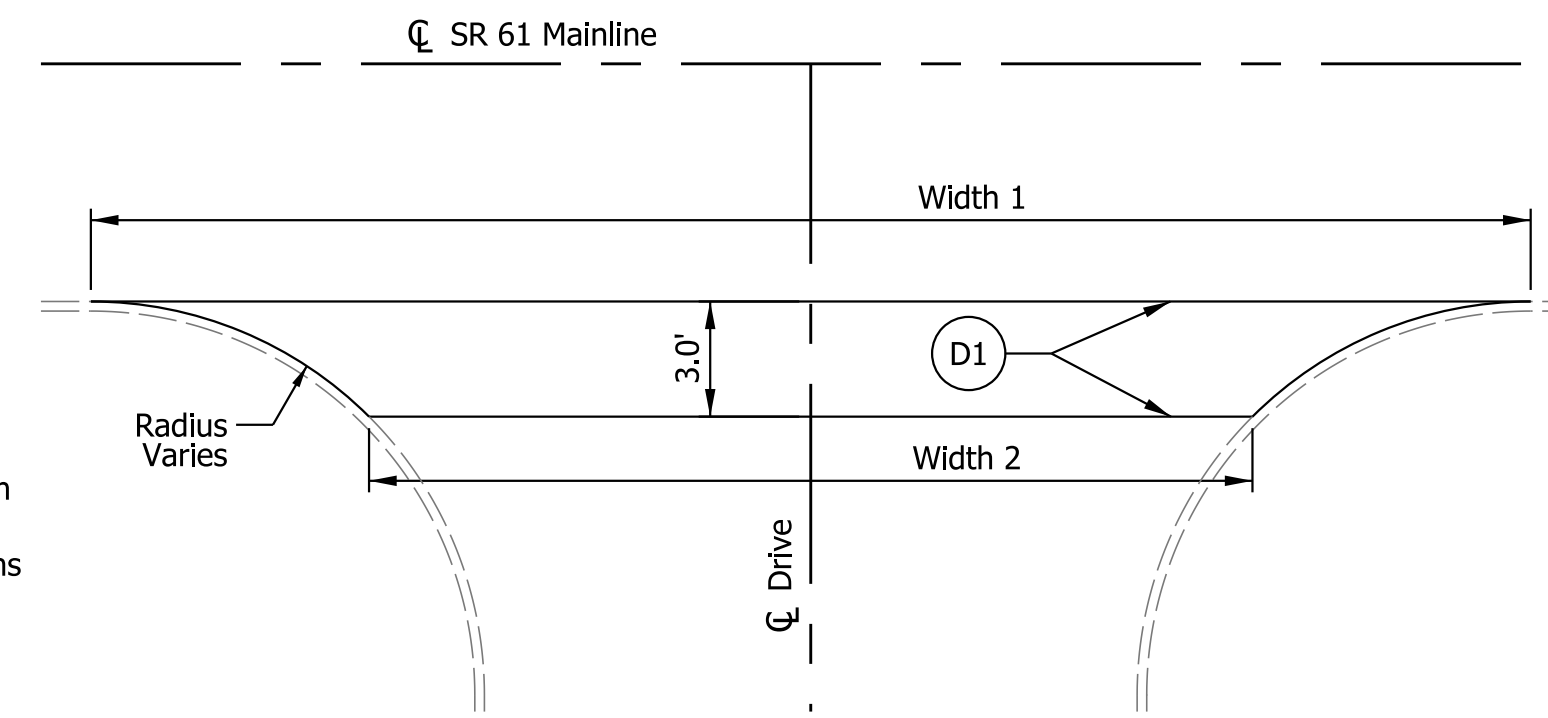
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE N/A	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 1800176
SURVEY BOOK	SHEETS 11 of 112
CONTRACT R-41407	PROJECT 1800176

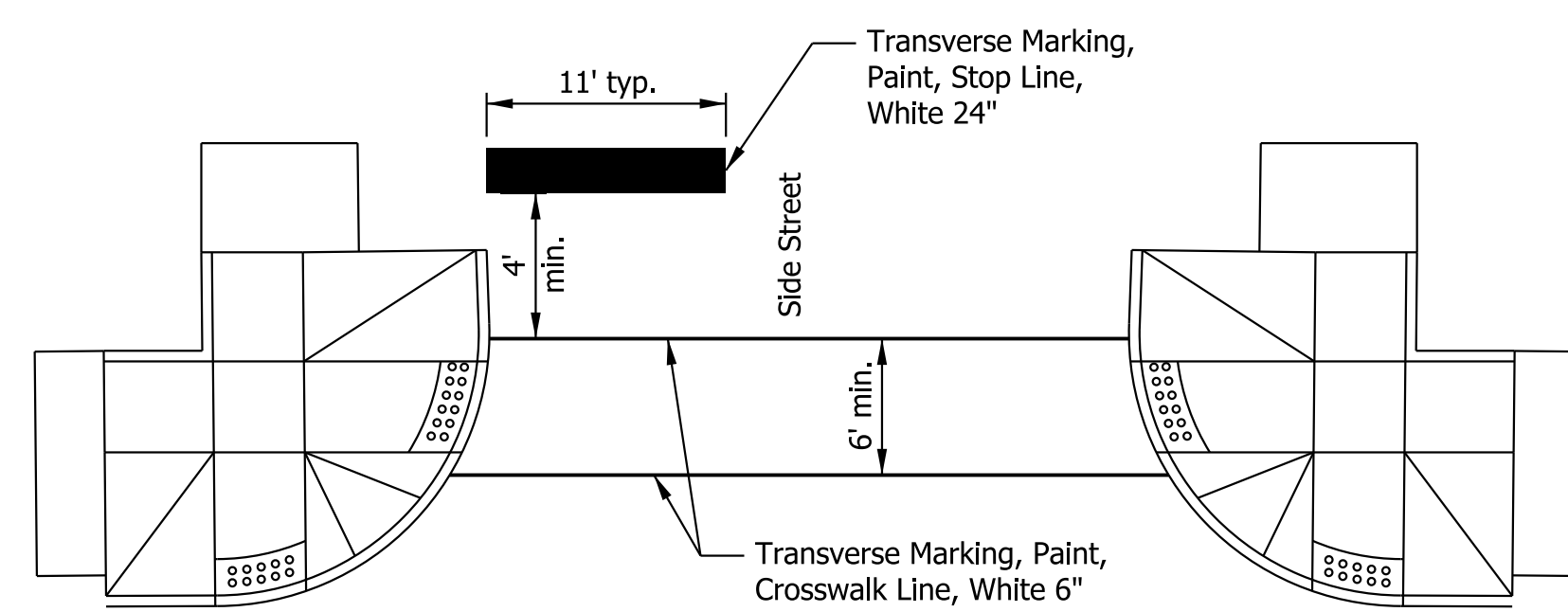


TYPICAL SIDE STREET APPROACH DETAIL
(NOT TO SCALE)

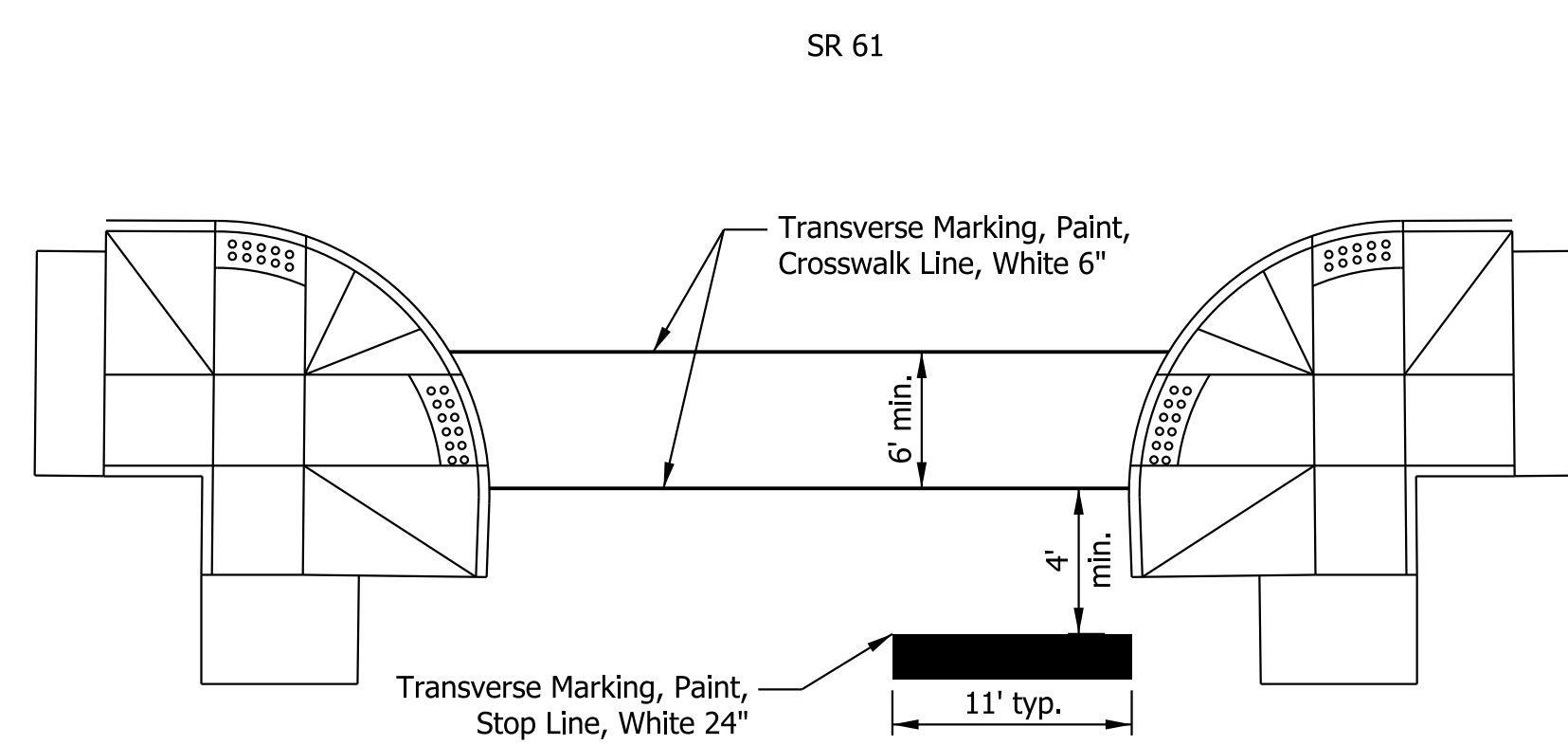


TYPICAL DRIVEWAY APPROACH DETAIL
(NOT TO SCALE)

Note: See Approach Table Sheet for Approach Dimensions and Quantities



TYPICAL NON-SIGNALIZED INTERSECTION CROSSWALK DETAIL



CONCRETE STEPS DETAIL
(NOT TO SCALE)

Legend

(D1) Milling, Approach, 1.5 in. then HMA for Approaches, Type B consisting of: 165 lb/syd HMA Surface, Type B on existing pavement

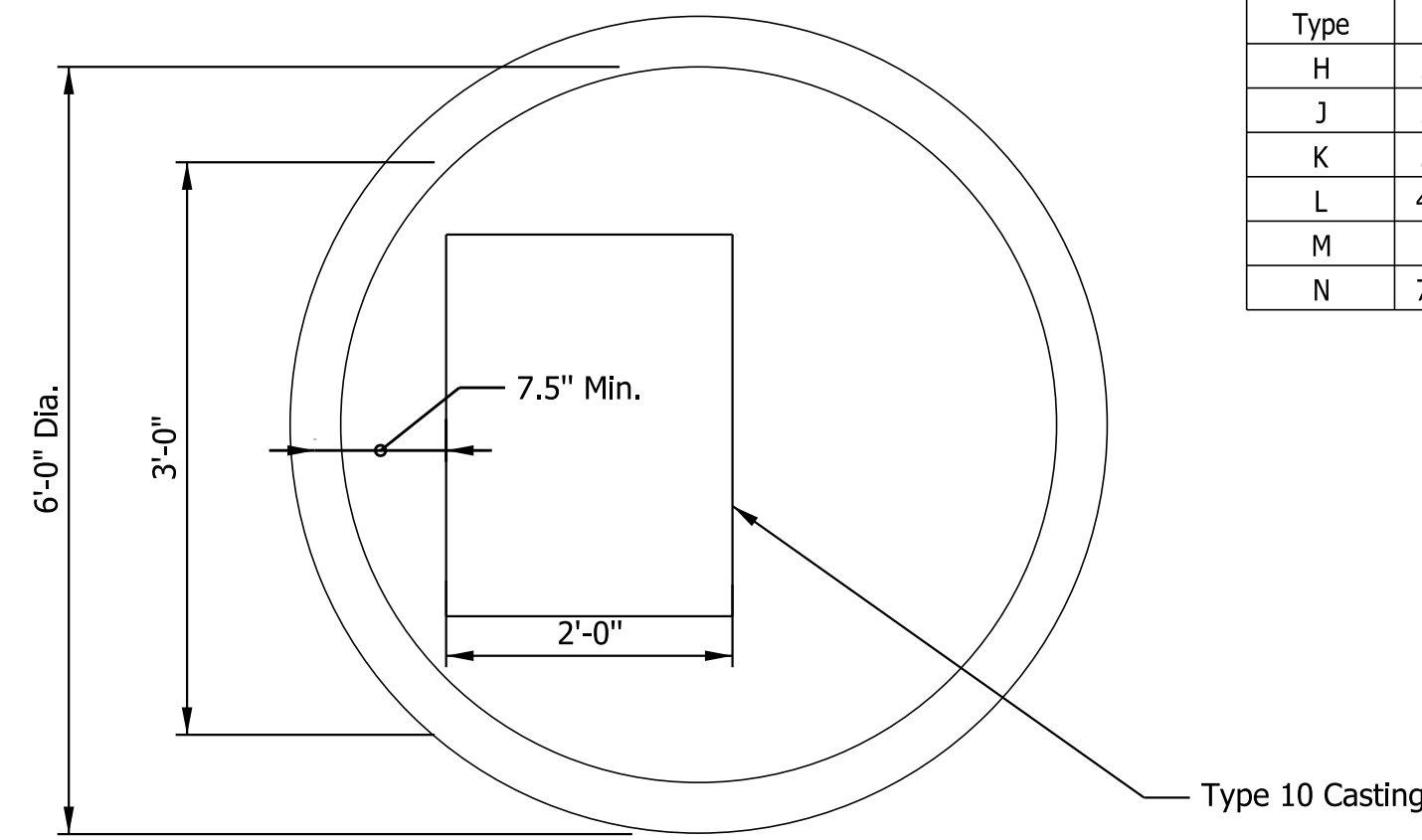
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

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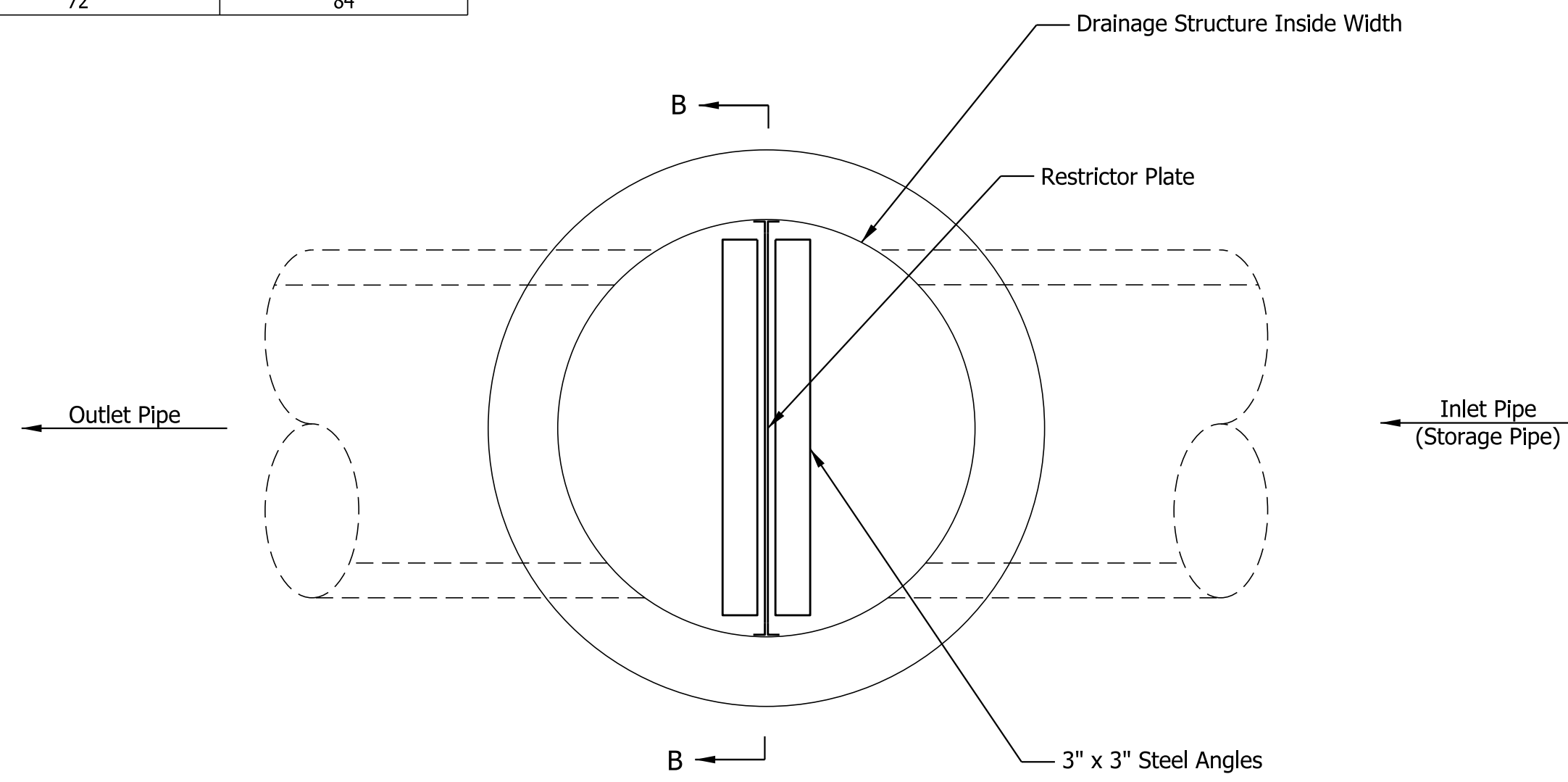
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
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VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	12 of 112
CONTRACT	PROJECT
R-41407	1800176

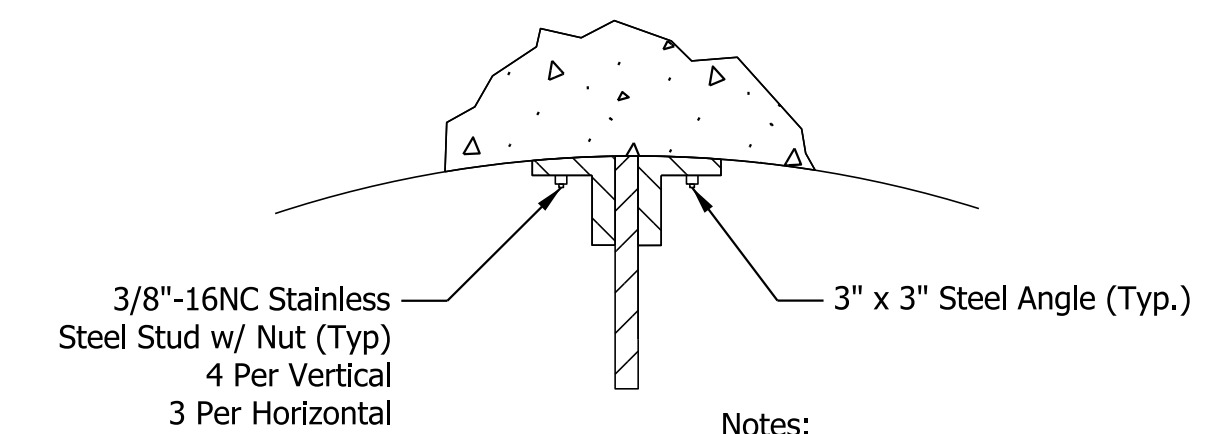
Manhole Pipe Sizes				
Type	G (in.)	Interior Dia. (ft. -in.)	Maximum Pipe Size Rt. Angle to Mainline (in.)	Maximum Pipe Size for Mainline (in.)
H	24 to 36		30	36
J	24 to 36	5'-0"	30	36
K	36 to 48	6'-0"	36	48
L	48 to 54	8'-0"	48	54
M	54 to 72	8'-6"	66	72
N	72 to 84	9'-0"	72	84



PLAN VIEW
MOD. COVER CAP FOR PRECAST MANHOLE, TYPE K-10
(NOT TO SCALE)

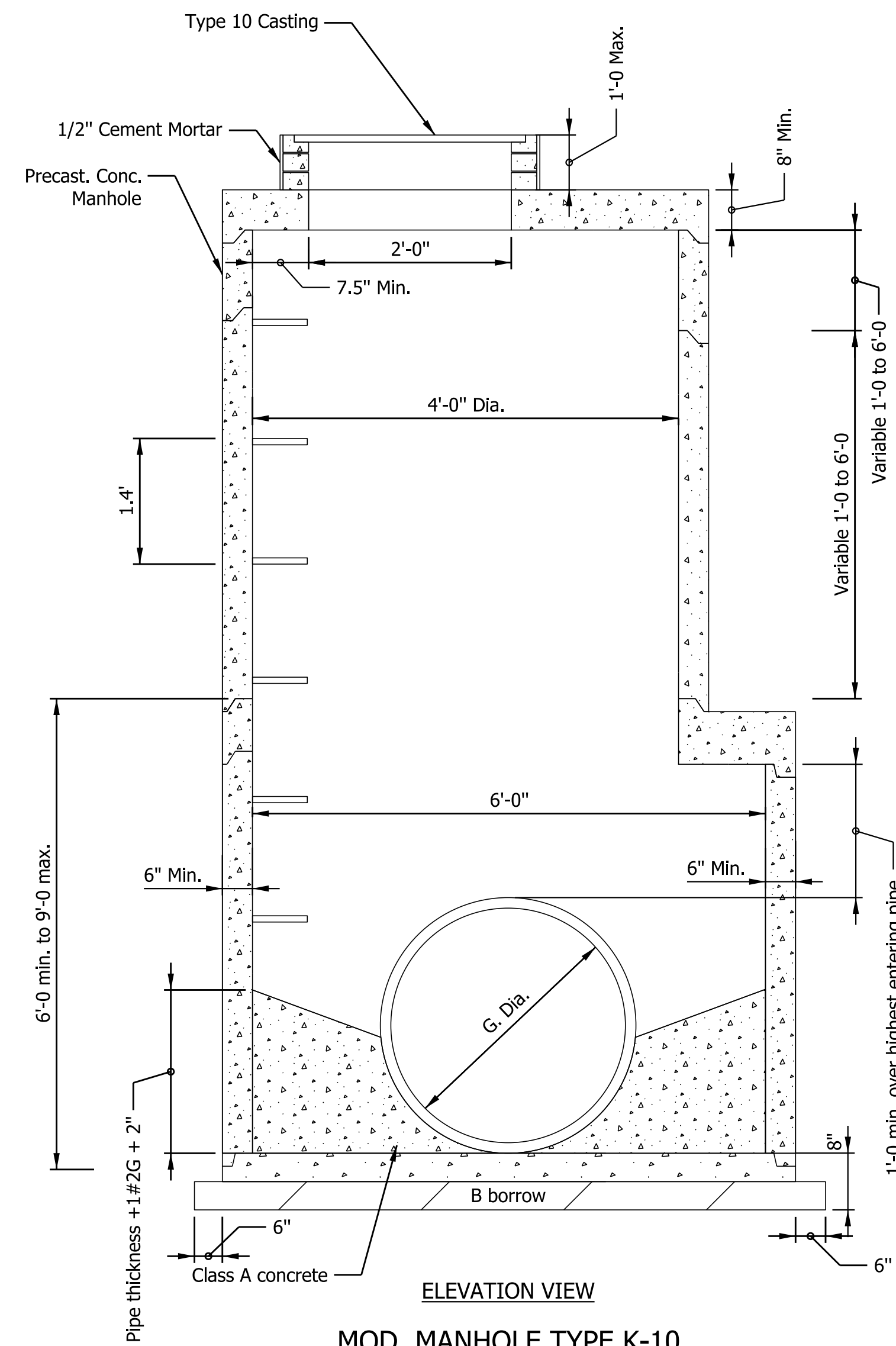


Section B-B

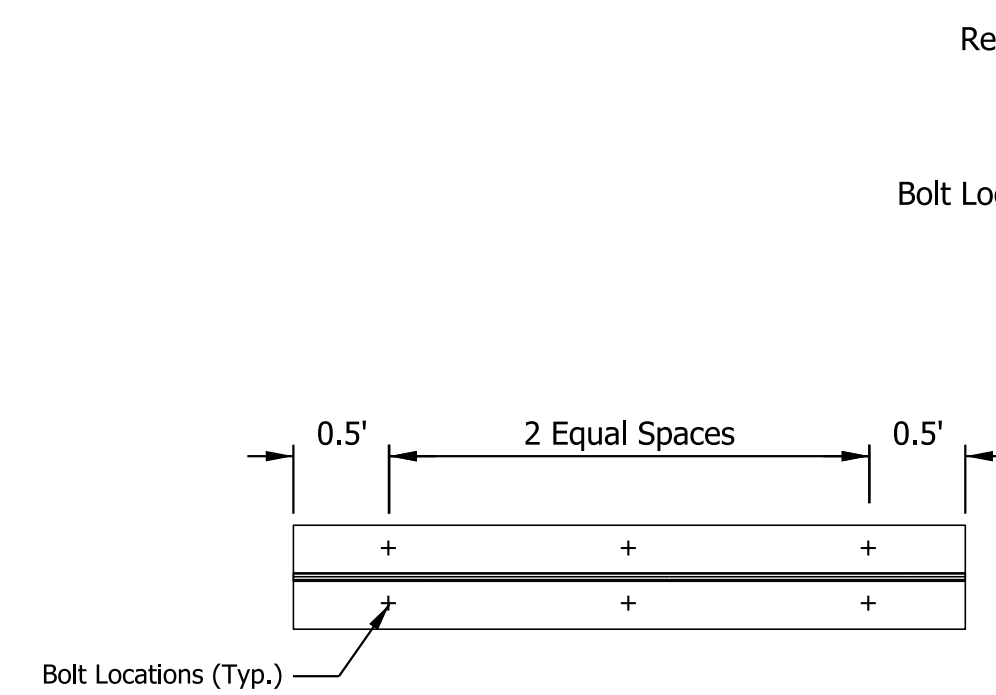


- Notes:
1. All steel angles and plates to be galvanized after fabrication.
2. All restrictor plates, angles, and hardware to be included in the cost of the restrictor plate.

Angle Fastener Detail



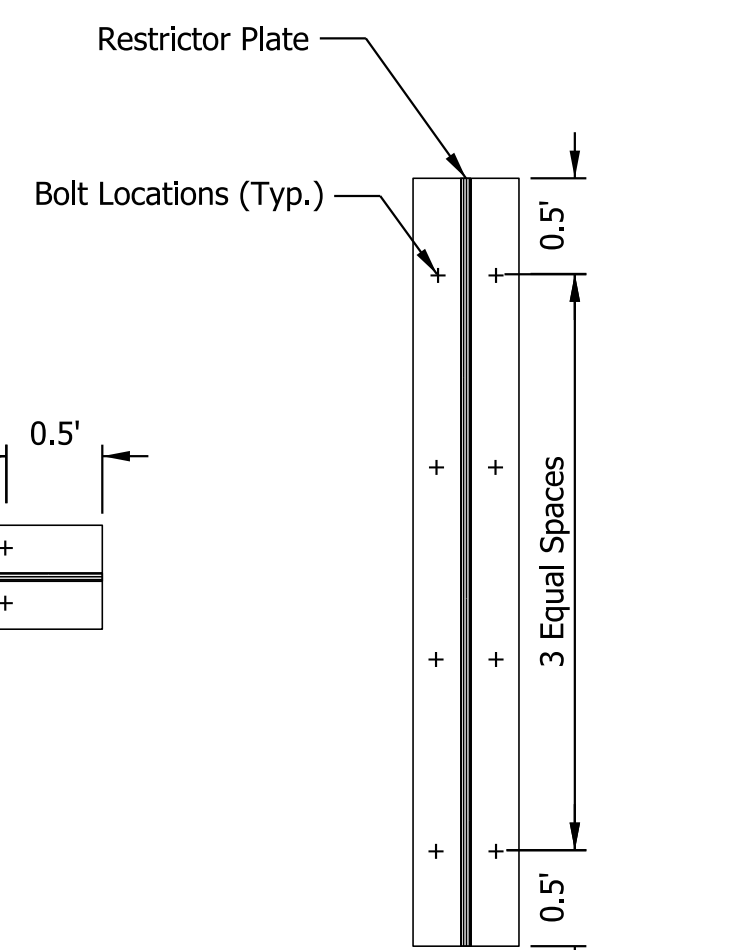
ELEVATION VIEW
MOD. MANHOLE TYPE K-10
(NOT TO SCALE)



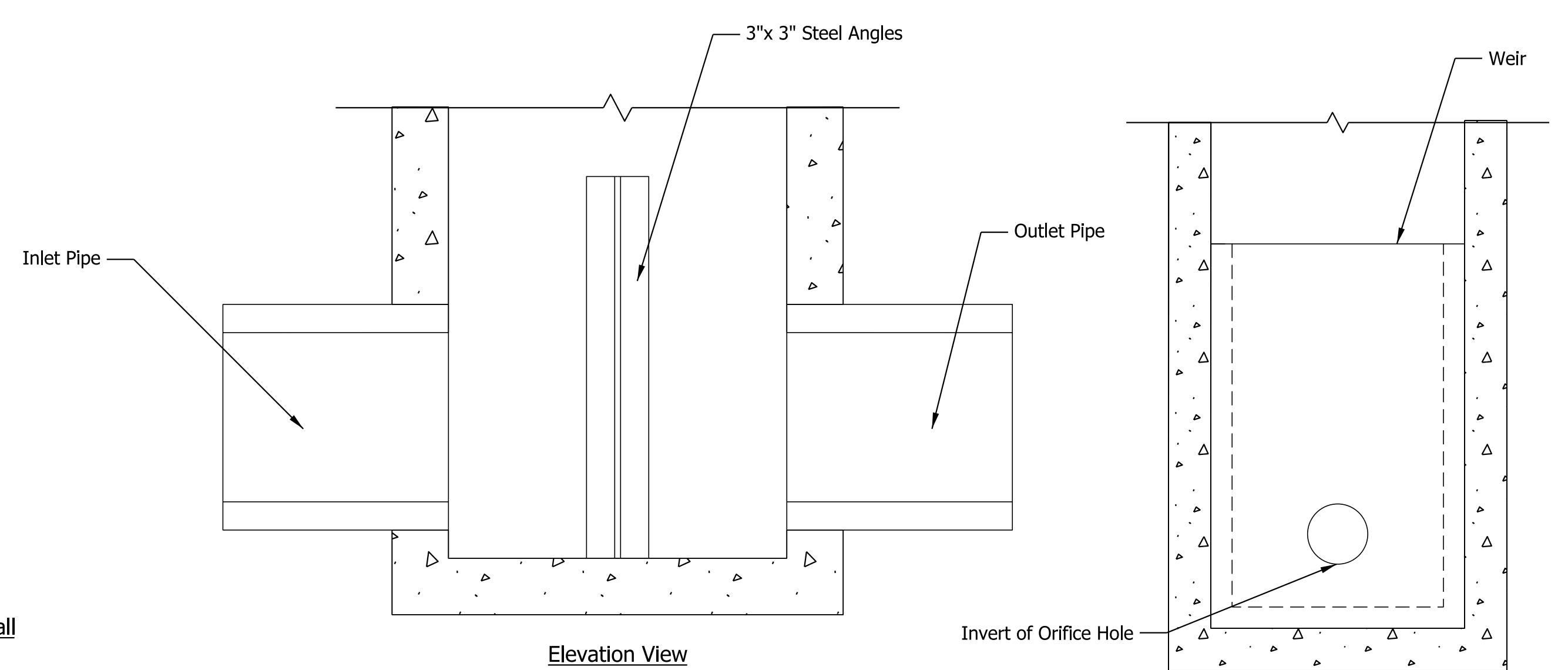
Typical Horizontal Angles Looking Towards Bottom of Manhole

Total Bolts Required: 22

- Note:
1. Angles should be 3x3x3/8
2. Vertical angles should extend from the bottom of the restrictor plate to the top of the manhole.
3. Horizontal angles should extend from vertical angle to vertical angle



Typical Vertical Angles Looking Towards Manhole Wall



Elevation View
Restrictor Plate Detail
(NOT TO SCALE)

Section C-C

Plot: 6/17/2022 9:20 AM

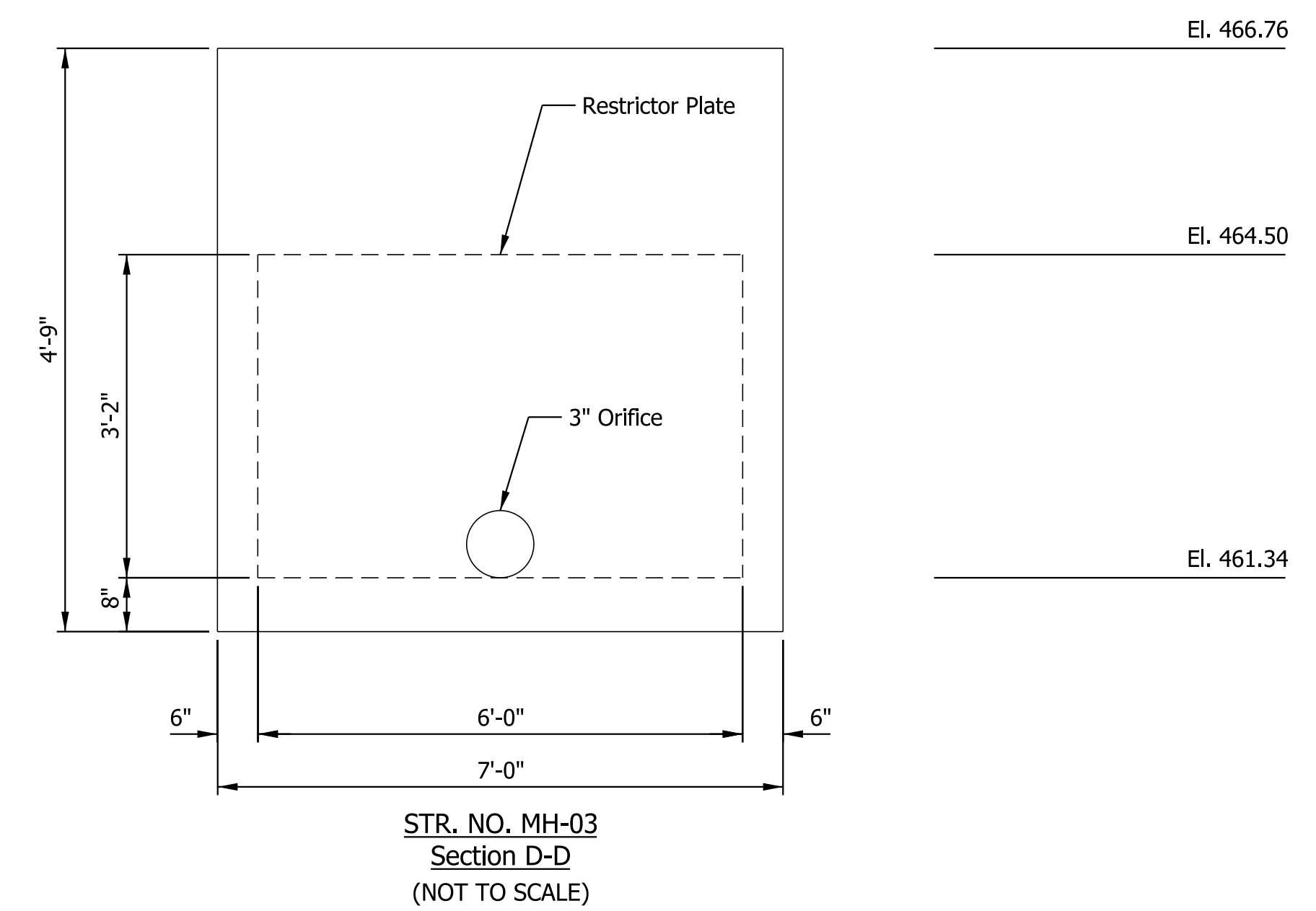
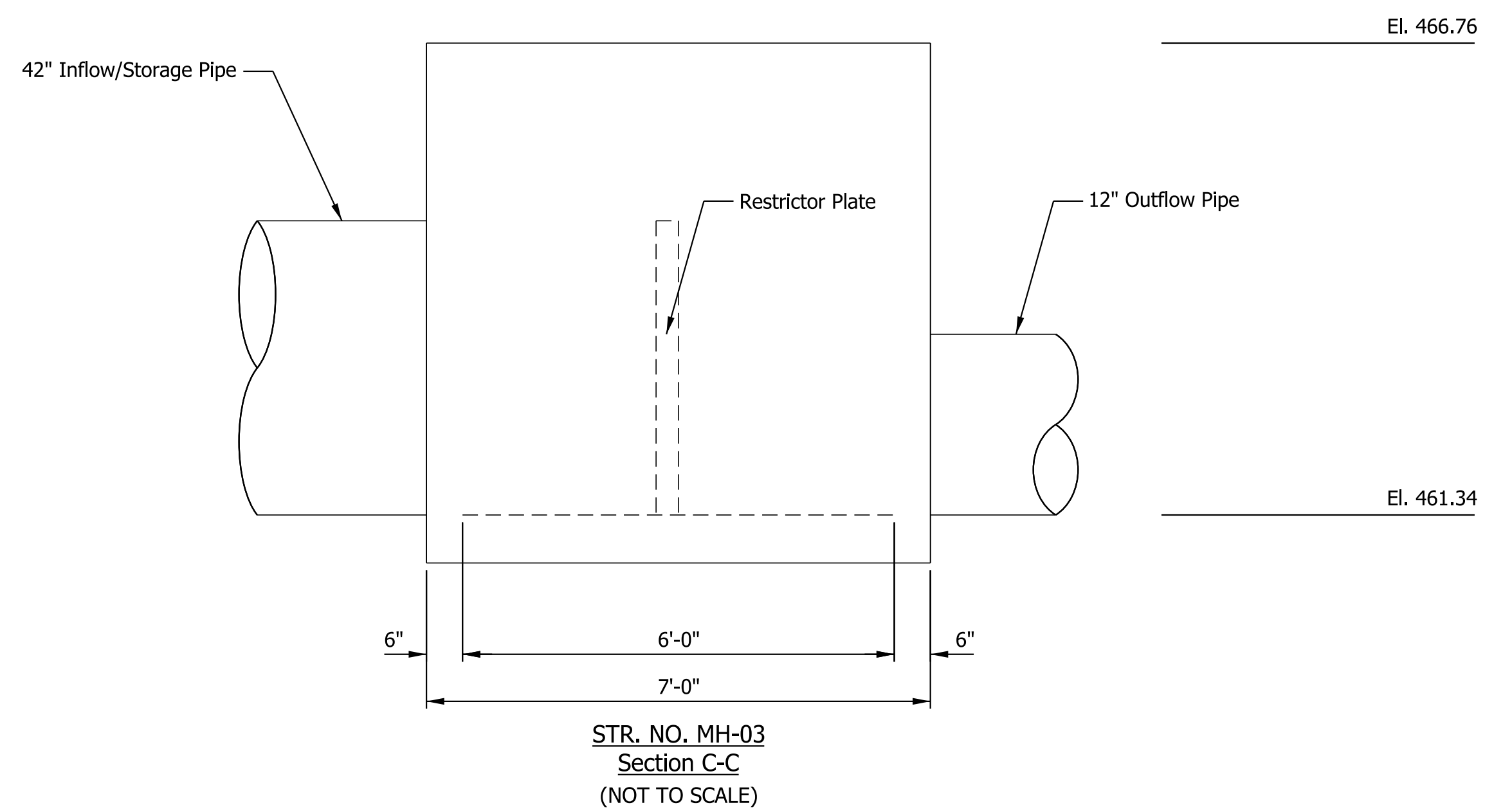
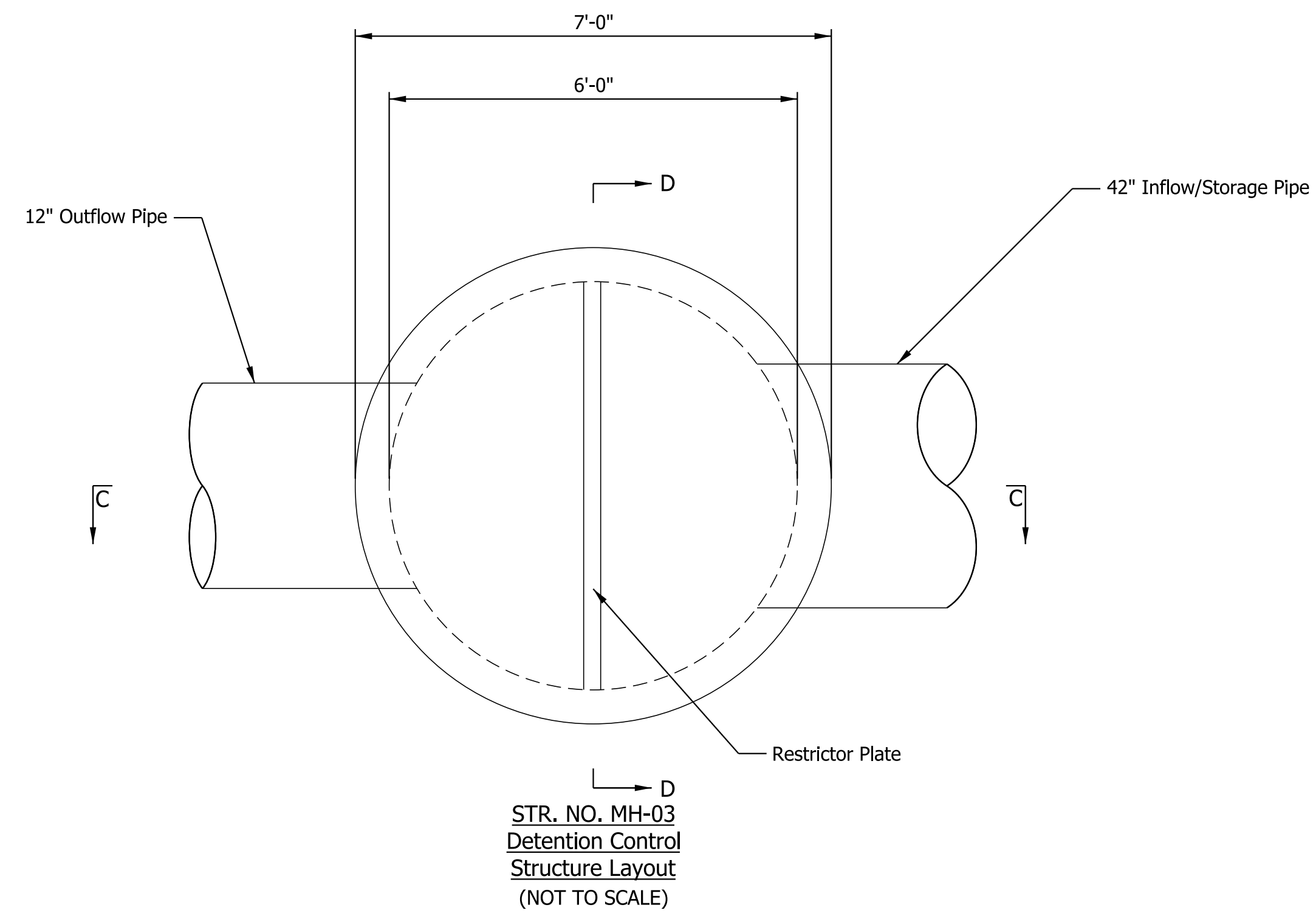
IP_PWP:d0365445\Sht Drainage Detail.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: NDB	CHECKED: NDB	

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DRAINAGE DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	13 of 112
CONTRACT	PROJECT
R-41407	1800176



Plot: 6/17/2022 9:21 AM

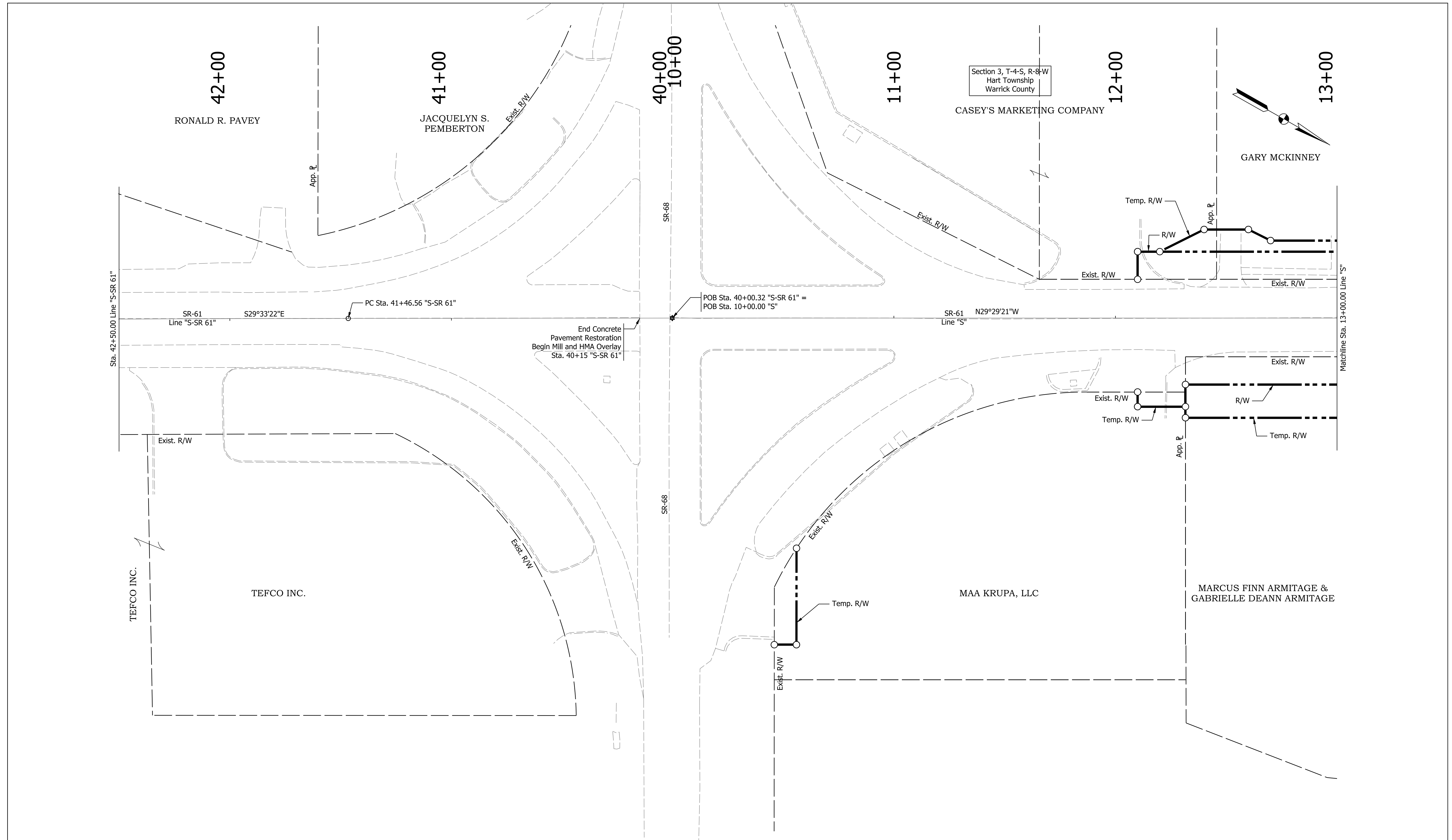
IP_PWP:d0365445\Sht Drainage Detail.dgn

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: NDB _____	CHECKED: NDB _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	14 of 112
CONTRACT	PROJECT
R-41407	1800176



Plot: 6/17/2022 9:21 AM

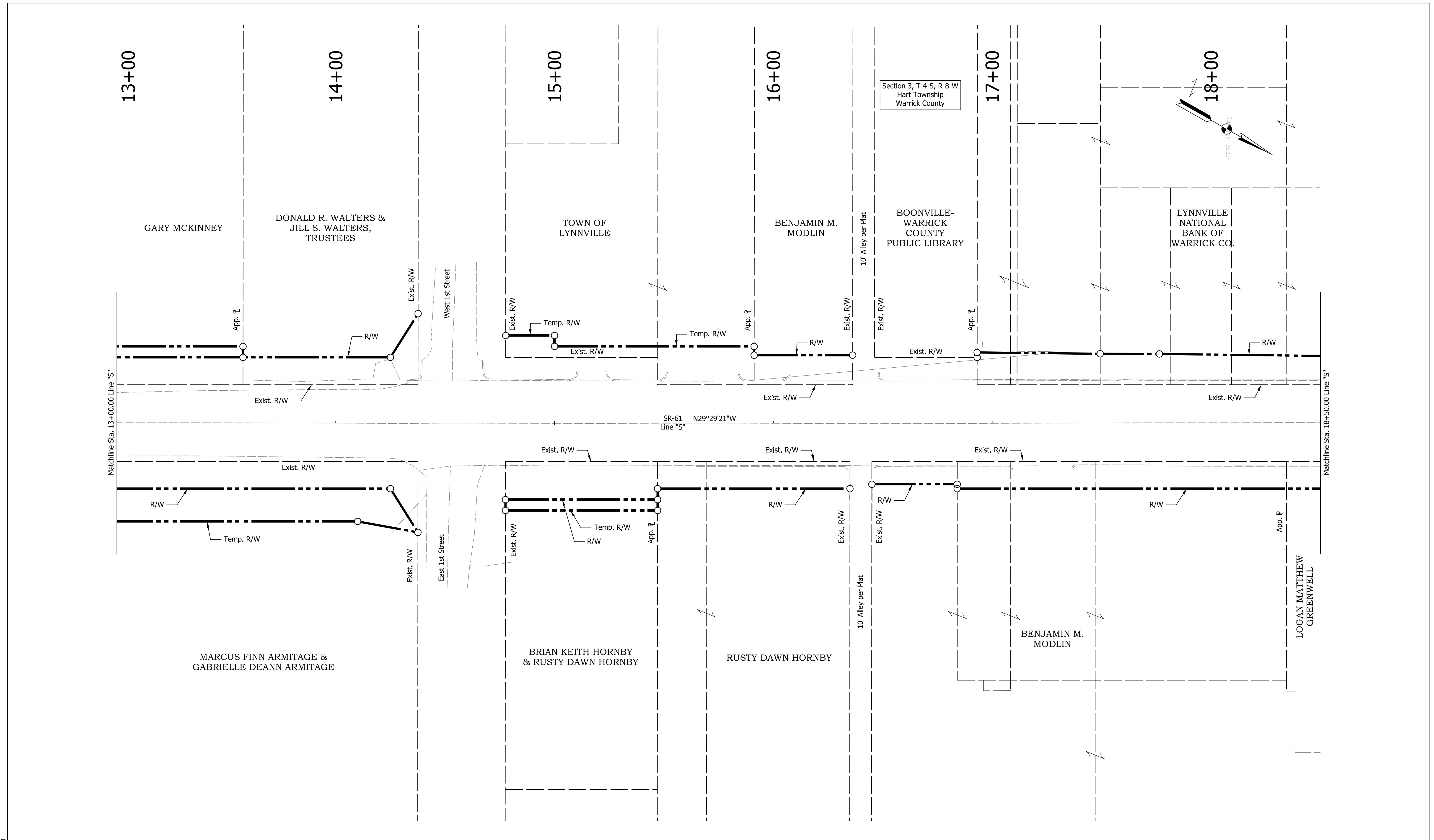
IP_PWP:d0365445\Sht Plat1_20_01.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	7/12/2021	DATE
DESIGNED: KMB	DRAWN: KMB		
CHECKED: AD	CHECKED: AD		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1
LINE "S-SR 61" AND "S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	15 of 112
CONTRACT	PROJECT
R-41407	1800176



Plot: 6/17/2022 9:21 AM
 IP_PWP:d0365445\Sht Plat1_20_02.dgn

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER	7/12/2021	DATE
DESIGNED: KMB	DRAWN: KMB		
CHECKED: AD	CHECKED: AD		

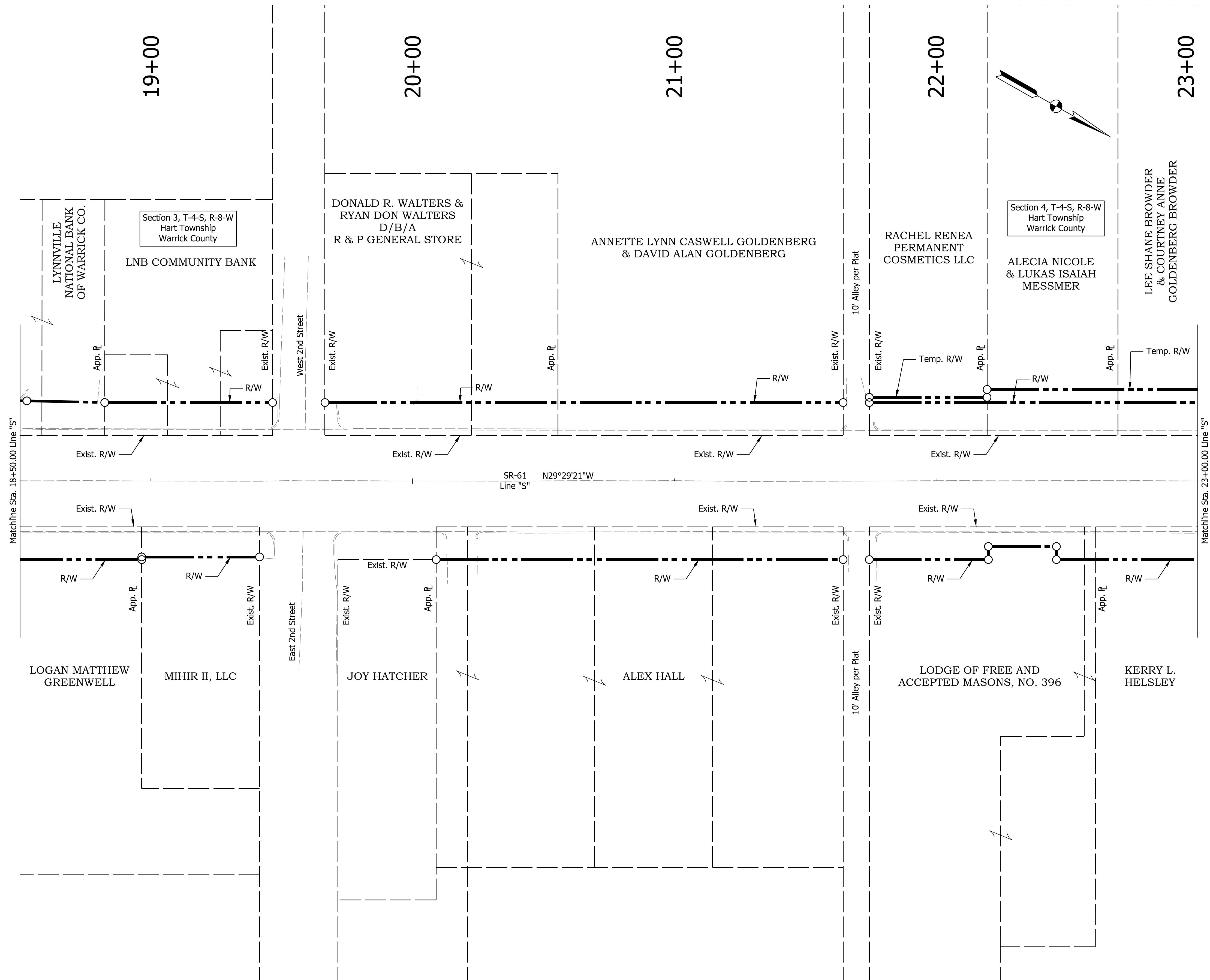
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1
LINE "S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	16 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:21 AM

IP_PWP:d0365445\Sht Plat1_20_03.dgn

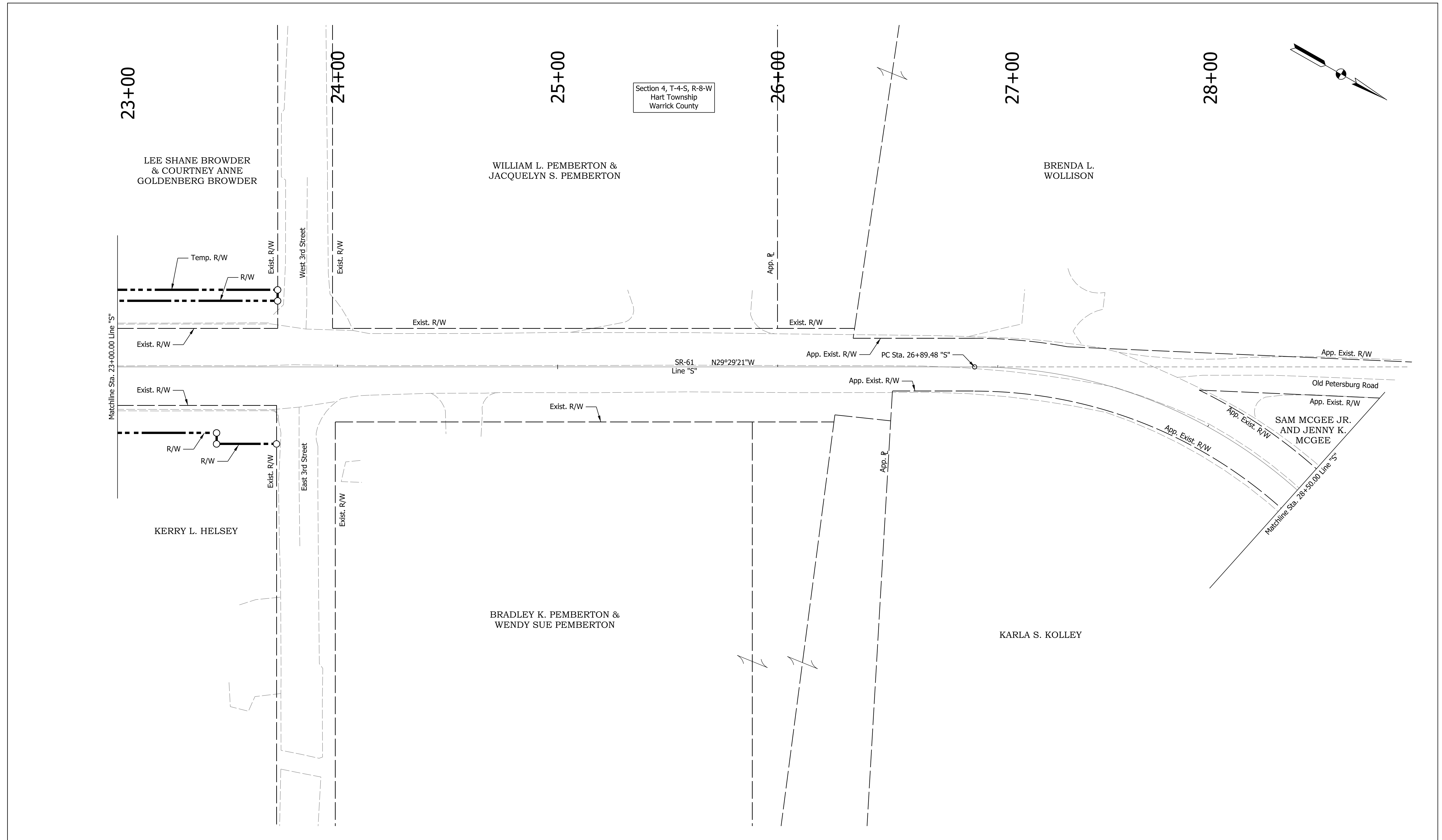


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE 7/12/2021
DESIGNED: KMB	DRAWN: KMB	
CHECKED: AD	CHECKED: AD	

INDIANA
DEPARTMENT OF TRANSPORTATION

**PLAT NO. 1
LINE "S"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	17 of 112
CONTRACT	PROJECT
R-41407	1800176



Section 4, T-4-S, R-8-W
Hart Township
Warrick County

23+00

25+00

26+00

27+00

28+00

LEE SHANE BROWDER
& COURTNEY ANNE
GOLDENBERG BROWDER

WILLIAM L. PEMBERTON &
JACQUELYN S. PEMBERTON

BRENDA L.
WOLLISON

KERRY L. HELSEY

BRADLEY K. PEMBERTON &
WENDY SUE PEMBERTON

KARLA S. KOLLEY

SAM MCGEE JR.
AND JENNY K.
MCGEE

Matchline Sta. 23+00.00 Line "S"

Matchline Sta. 28+50.00 Line "S"

SR-61
Line "S" N29°29'21"W

PC Sta. 26+89.48 "S"

Plot: 6/17/2022 9:21 AM

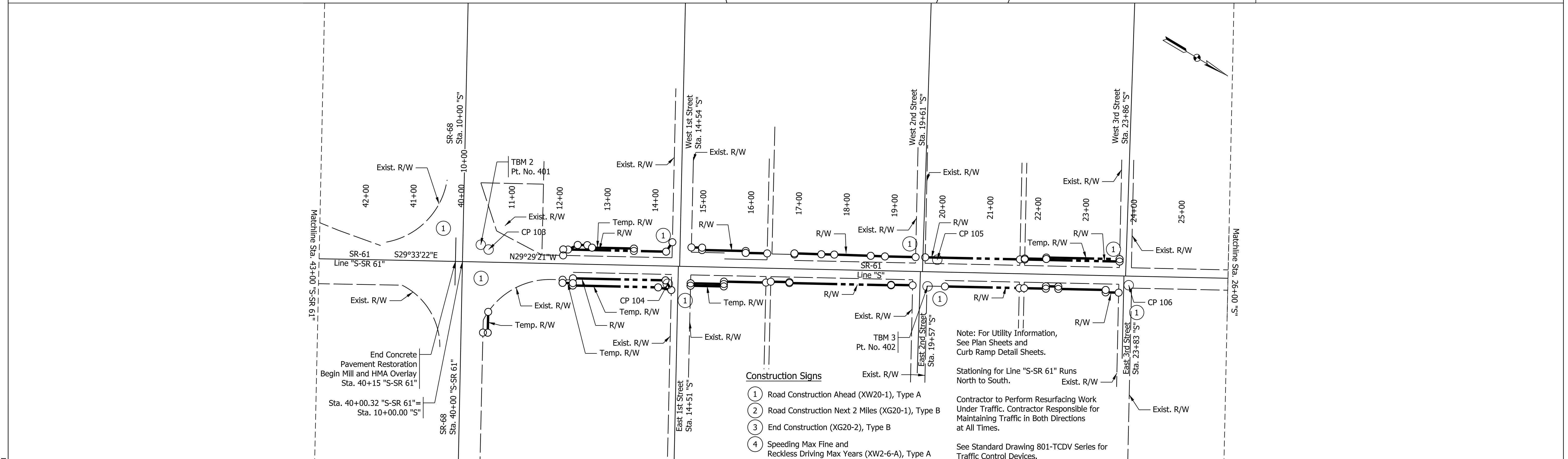
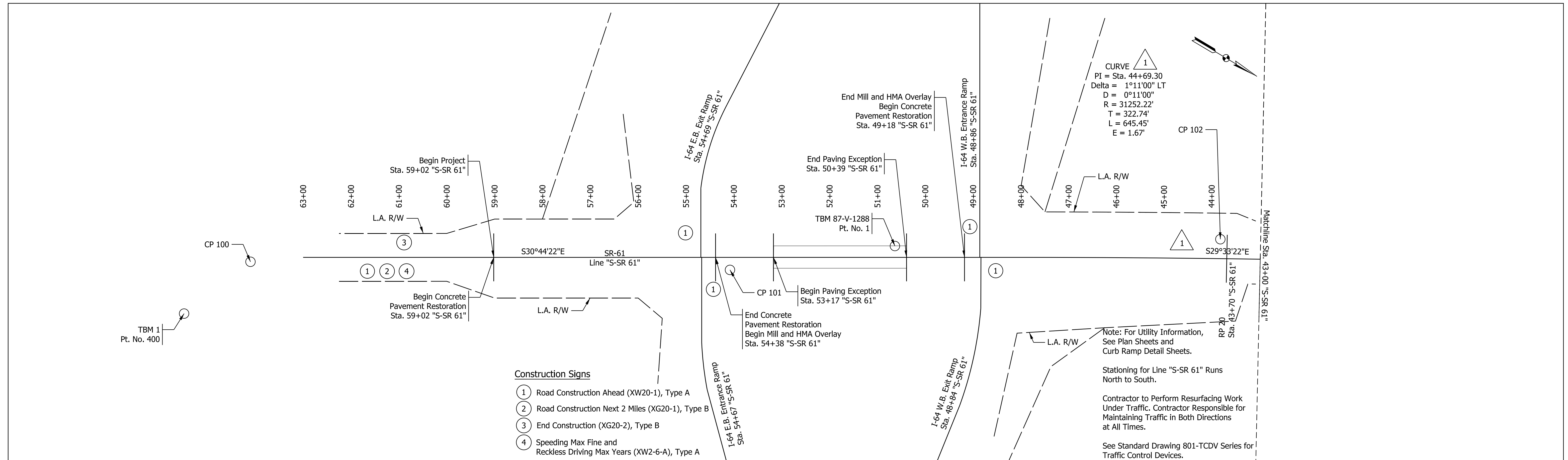
IP_PWP:d0365445\Sht Plat1_20_04.dgn

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE 7/12/2021
DESIGNED: KMB	DRAWN: KMB	
CHECKED: AD	CHECKED: AD	

INDIANA
DEPARTMENT OF TRANSPORTATION

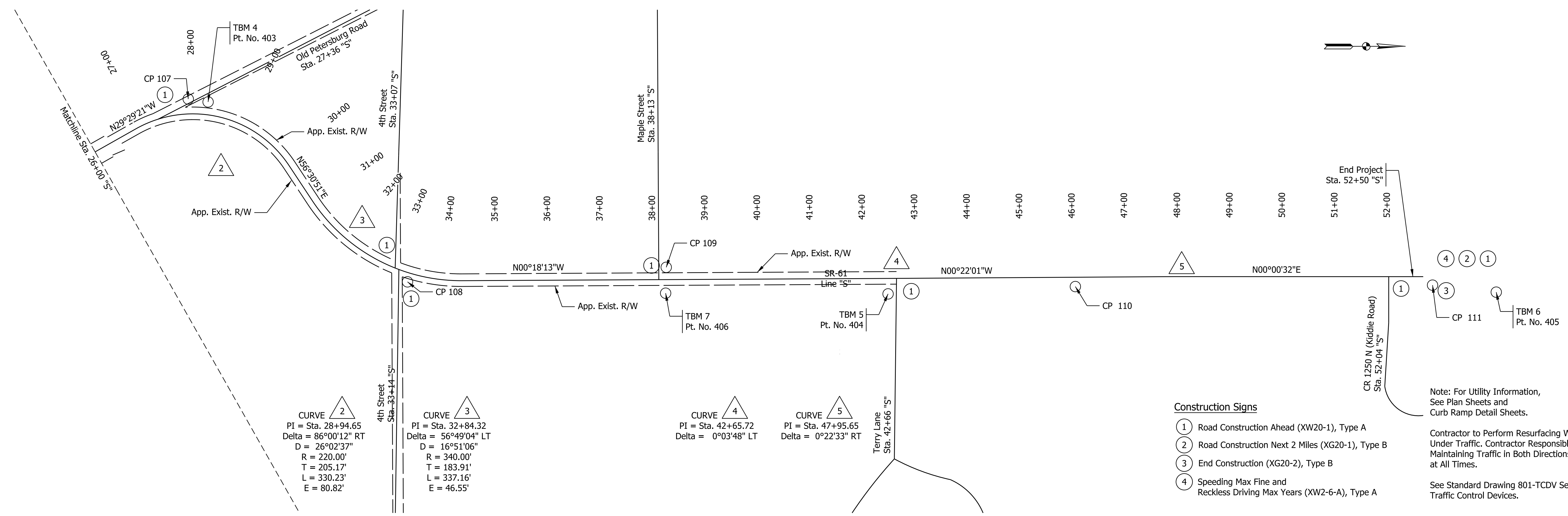
PLAT NO. 1
LINE "S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	18 of 112
CONTRACT	PROJECT
R-41407	1800176



RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/12/2021 DATE	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: KMB			DRAWN: KMB	VERTICAL SCALE
CHECKED: EAC	CHECKED: EAC	STRIP MAP SR-61		N/A	1800176
				SURVEY BOOK	SHEETS
				19	of 112
				CONTRACT	PROJECT
				R-41407	1800176

Plot: 6/18/2022 1:56 PM



CURVE 2
 PI = Sta. 28+94.65
 Delta = 86°00'12" RT
 D = 26°02'37"
 R = 220.00'
 T = 205.17'
 L = 330.23'
 E = 80.82'

CURVE 3
 PI = Sta. 32+84.32
 Delta = 56°49'04" LT
 D = 16°51'06"
 R = 340.00'
 T = 183.91'
 L = 337.16'
 E = 46.55'

CURVE 4
 PI = Sta. 42+65.72
 Delta = 0°03'48" LT

CURVE 5
 PI = Sta. 47+95.65
 Delta = 0°22'33" RT

- Construction Signs**
- ① Road Construction Ahead (XW20-1), Type A
 - ② Road Construction Next 2 Miles (XG20-1), Type B
 - ③ End Construction (XG20-2), Type B
 - ④ Speeding Max Fine and Reckless Driving Max Years (XW2-6-A), Type A

Note: For Utility Information, See Plan Sheets and Curb Ramp Detail Sheets.

Contractor to Perform Resurfacing Work Under Traffic. Contractor Responsible for Maintaining Traffic in Both Directions at All Times.

See Standard Drawing 801-TCDD Series for Traffic Control Devices.

Plot: 6/17/2022 9:22 AM

IP_PWP:d0365445\Sht Strip Map_100_02.dgn

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	7/12/2021 DATE
DESIGNED: KMB	DRAWN: KMB	
CHECKED: EAC	CHECKED: EAC	

INDIANA
DEPARTMENT OF TRANSPORTATION

**STRIP MAP
SR-61**

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	20 of 112
CONTRACT	PROJECT
R-41407	1800176

GENERAL MAINTENANCE OF TRAFFIC PLAN

Phase 1A Construction of Outfall of Drainage System and Reconstruction of Driveway on North Side of SR 68
 - Both northbound and southbound lanes on SR 61 to remain open.
 - By-Pass lane from westbound SR 68 to northbound SR 61 to remain open.
 - Driveway of Marathon Gas Station located north of SR 68 to be closed to vehicles from entering or exiting as outfall is constructed and driveway is reconstructed.
 - Phase 1A to be completed after structure IN-04 has been constructed.

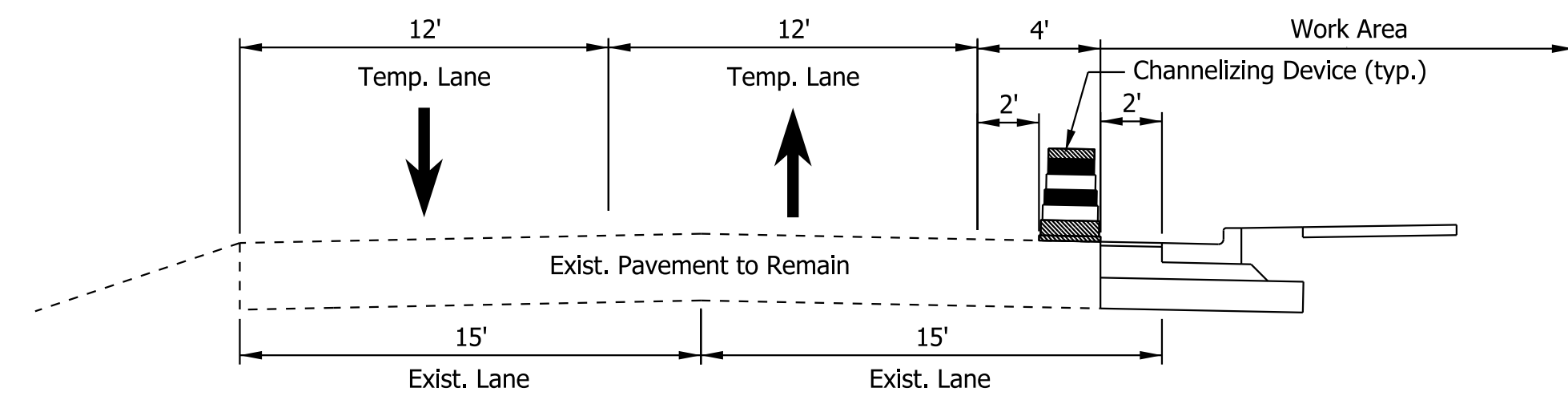
Phase 1B Construction of Drainage System and Reconstruction of Driveways on East Side of SR 61
 - Both northbound and southbound lanes on SR 61 to remain open.
 - By-pass lane from westbound SR 68 to northbound SR 61 to remain open.
 - Driveways of Marathon Gas Station located east of SR 61 to be closed to vehicles from entering or exiting as drainage system is constructed and driveways are reconstructed.
 - New driveway off of SR 68 to be completed and opened in this phase.
 - Phase 1B to be completed after structure IN-02 has been constructed.

Phase 2A Construction of Cross Pipe and Sidewalk East Side of SR 61 Up to 1st Street
 - During construction of cross pipe, southbound lane to be utilized for one-lane two-way directional travel controlled by a flagger.
 - Contractor may construct cross pipe and sidewalk work concurrently.
 - Ped. MOT Phase 2 can be implemented at this phase.

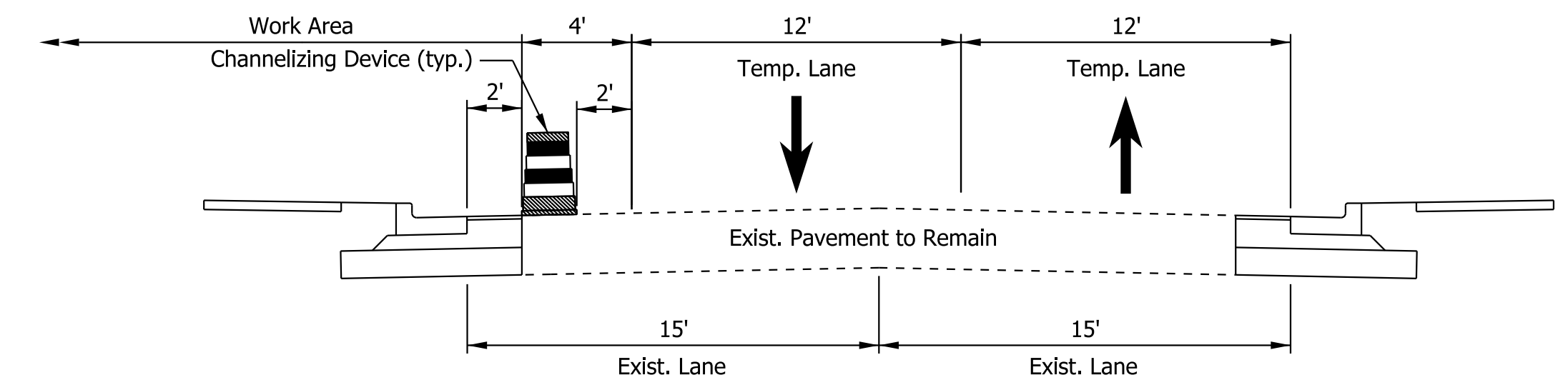
Phase 2B Construction of Sidewalk East Side of SR 61 Up to 3rd Street
 - Both northbound and southbound lanes on SR 61 to remain open.
 - Parking lanes on East side of SR 61 can be closed for working room during this phase.
 - Ped. MOT Phase 2 to be implemented at this phase.
 - Intersection of SR 61 and East 1st, 2nd, and 3rd Street to be closed to traffic.

Phase 3A Construction of Cross Pipe and Sidewalk West Side of SR 61 Up to 1st Street
 - During construction of cross pipe, northbound lane to be utilized for one-lane two-way directional travel controlled by flagger.
 - Contractor may construct cross pipe and sidewalk work concurrently.
 - Ped. MOT Phase 3 can be implemented at this phase.

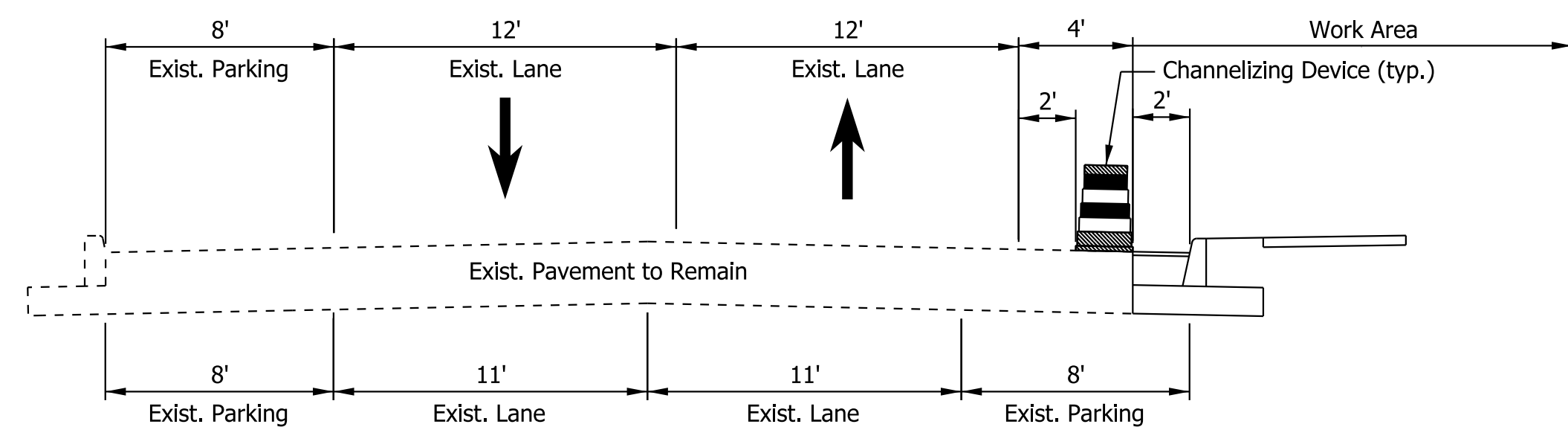
Phase 3B Construction of Sidewalk West Side of SR 61 Up to 3rd Street
 - Both northbound and southbound lanes on SR 61 to remain open.
 - Parking lanes on West side of SR 61 can be closed for working room during this phase.
 - Ped. MOT Phase 3 to be implemented at this phase.
 - Intersection of SR 61 and West 1st, 2nd, and 3rd Street to be closed to traffic.



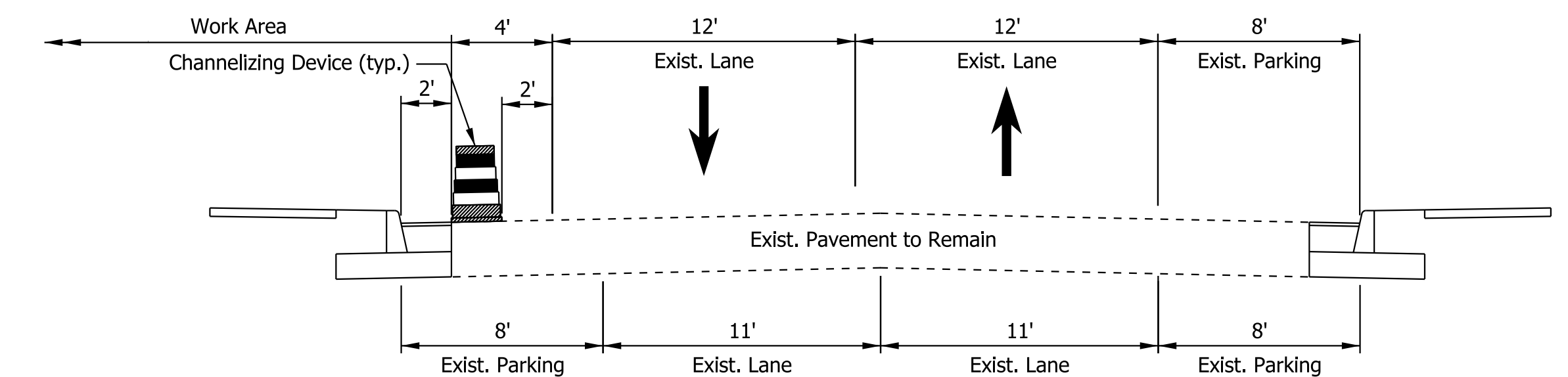
Phase 2B: SR 61 (North of SR-68 to 1st Street)- MOT Typical Section



Phase 3B: SR 61 (North of SR-68 to 1st Street)- MOT Typical Section



Phase 2B: SR 61 (North of 1st Street to South of 3rd Street)- MOT Typical Section



Phase 3B: SR 61 (North of 1st Street to South of 3rd Street)- MOT Typical Section

Plot: 6/18/2022 1:12 PM

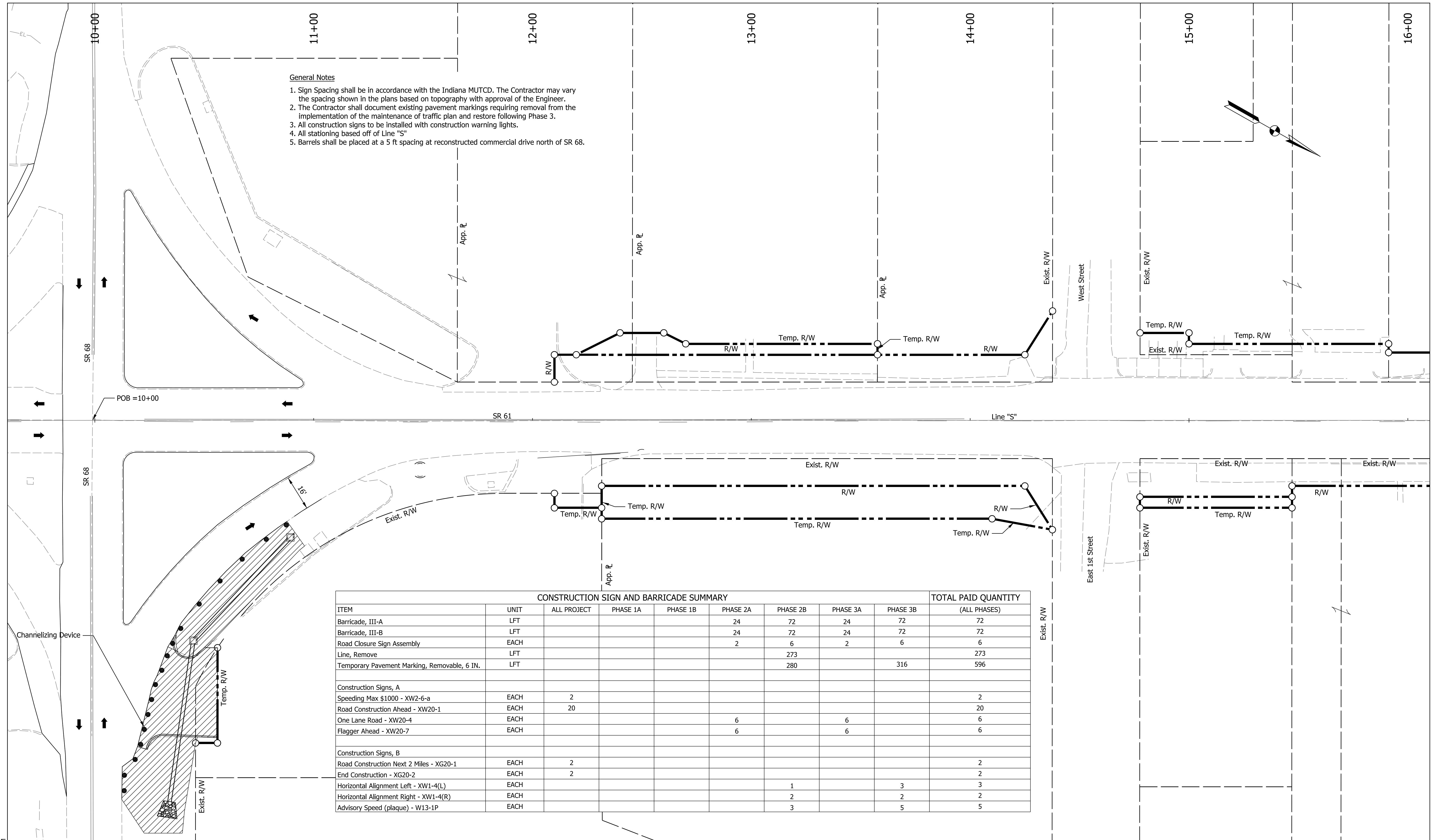
IP_PWP:d0365492\Shit MOT TS.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	21 of 112
CONTRACT	PROJECT
R-41407	1800176



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S"
 5. Barrels shall be placed at a 5 ft spacing at reconstructed commercial drive north of SR 68.

ITEM	UNIT	CONSTRUCTION SIGN AND BARRICADE SUMMARY							TOTAL PAID QUANTITY (ALL PHASES)
		ALL PROJECT	PHASE 1A	PHASE 1B	PHASE 2A	PHASE 2B	PHASE 3A	PHASE 3B	
Barricade, III-A	LFT				24	72	24	72	72
Barricade, III-B	LFT				24	72	24	72	72
Road Closure Sign Assembly	EACH				2	6	2	6	6
Line, Remove	LFT					273			273
Temporary Pavement Marking, Removable, 6 IN.	LFT					280		316	596
Construction Signs, A									
Speeding Max \$1000 - XW2-6-a	EACH	2							2
Road Construction Ahead - XW20-1	EACH	20							20
One Lane Road - XW20-4	EACH				6		6		6
Flagger Ahead - XW20-7	EACH				6		6		6
Construction Signs, B									
Road Construction Next 2 Miles - XG20-1	EACH	2							2
End Construction - XG20-2	EACH	2							2
Horizontal Alignment Left - XW1-4(L)	EACH					1		3	3
Horizontal Alignment Right - XW1-4(R)	EACH					2		2	2
Advisory Speed (plaque) - W13-1P	EACH					3		5	5

- LEGEND**
- Channelizing Device
 - ➔ Traffic Flow Direction
 - Barricade
 - TT Sign
 - ▨ Construction Zone

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____

DESIGNED: SAC _____ DRAWN: SAC _____

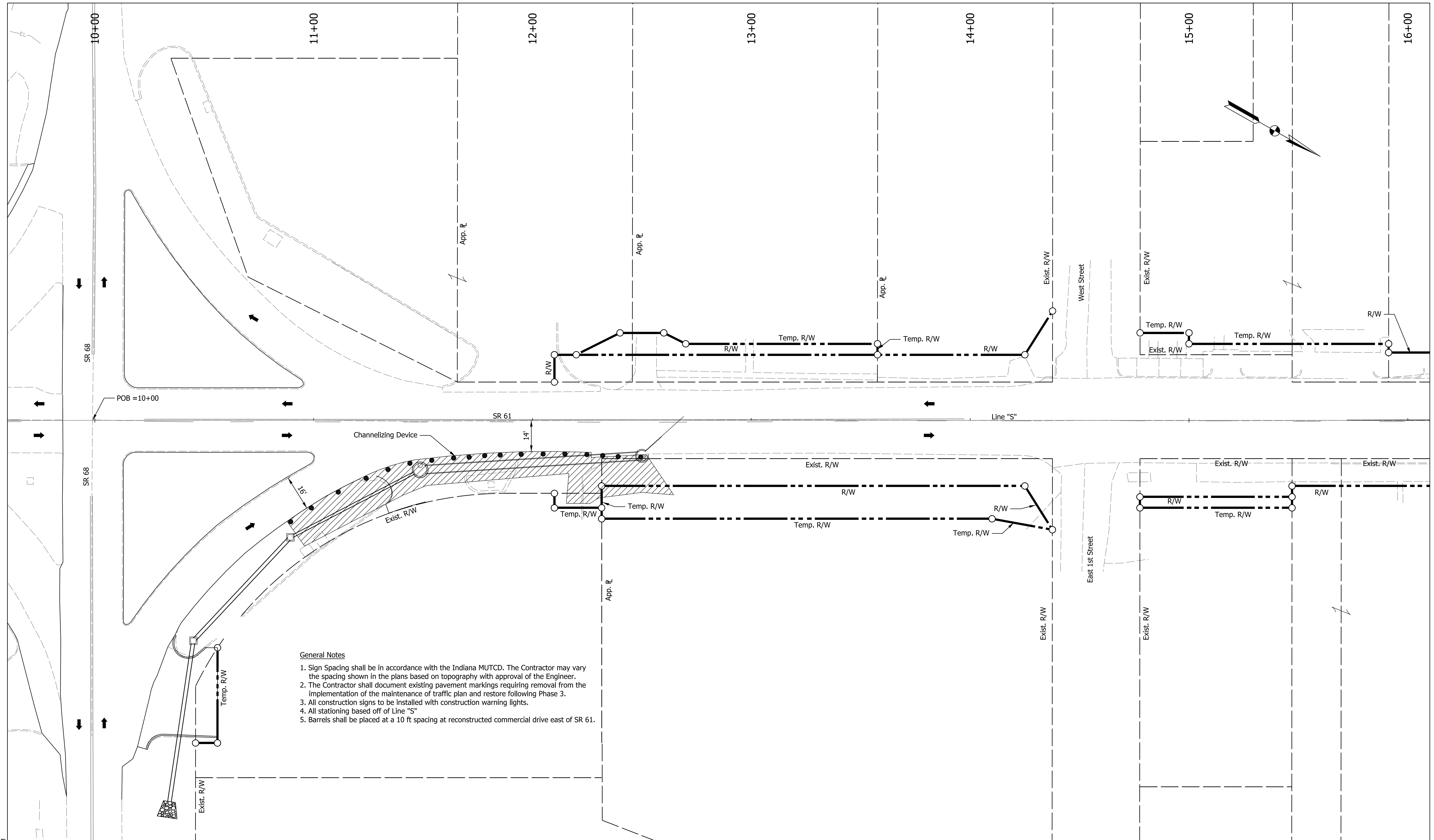
CHECKED: BEA _____ CHECKED: BEA _____

INDIANA
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
PHASE 1A**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 20'			
VERTICAL SCALE		DESIGNATION	
N/A		1800176	
SURVEY BOOK		SHEETS	
		22	of 112
CONTRACT		PROJECT	
R-41407		1800176	

Plot: 6/17/2022 9:22 AM



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S"
 5. Barrels shall be placed at a 10 ft spacing at reconstructed commercial drive east of SR 61.

LEGEND

●	Channelizing Device	➔	Traffic Flow Direction
—	Barricade	TT	Sign
▨	Construction Zone		

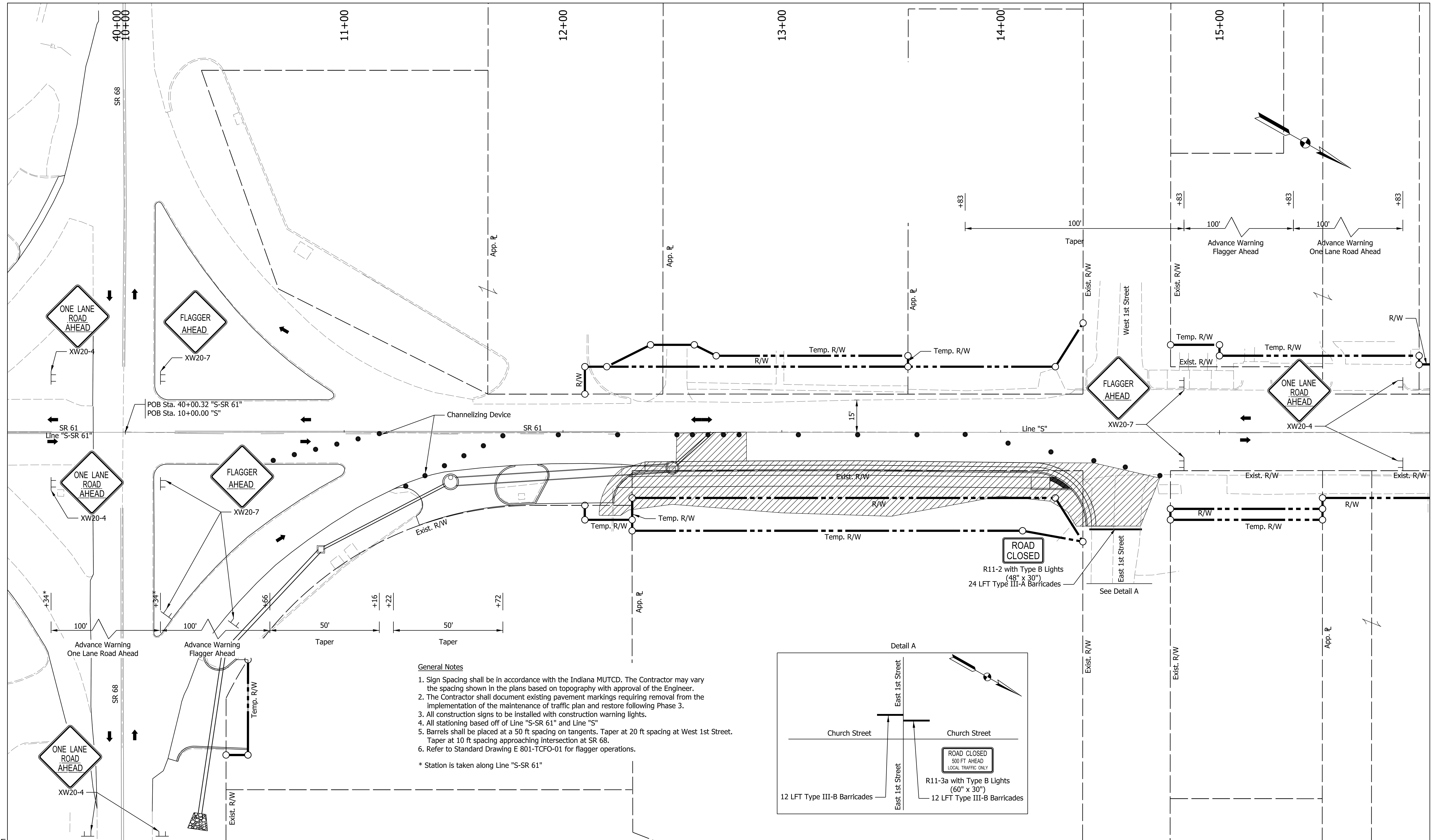
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA DEPARTMENT OF TRANSPORTATION

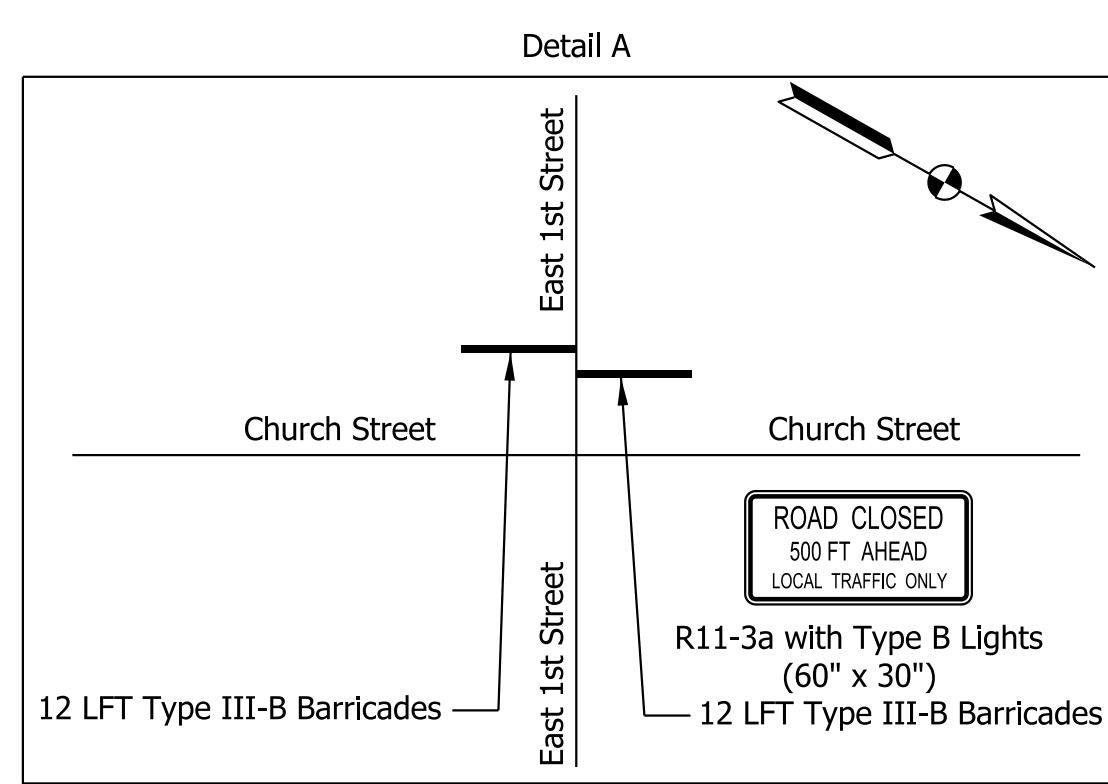
MAINTENANCE OF TRAFFIC PHASE 1B

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	23 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:22 AM



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S-SR 61" and Line "S".
 5. Barrels shall be placed at a 50 ft spacing on tangents. Taper at 20 ft spacing at West 1st Street. Taper at 10 ft spacing approaching intersection at SR 68.
 6. Refer to Standard Drawing E 801-TCFO-01 for flagger operations.
- * Station is taken along Line "S-SR 61"



LEGEND

●	Channelizing Device	➔	Traffic Flow Direction
—	Barricade	TT	Sign
▨	Construction Zone		

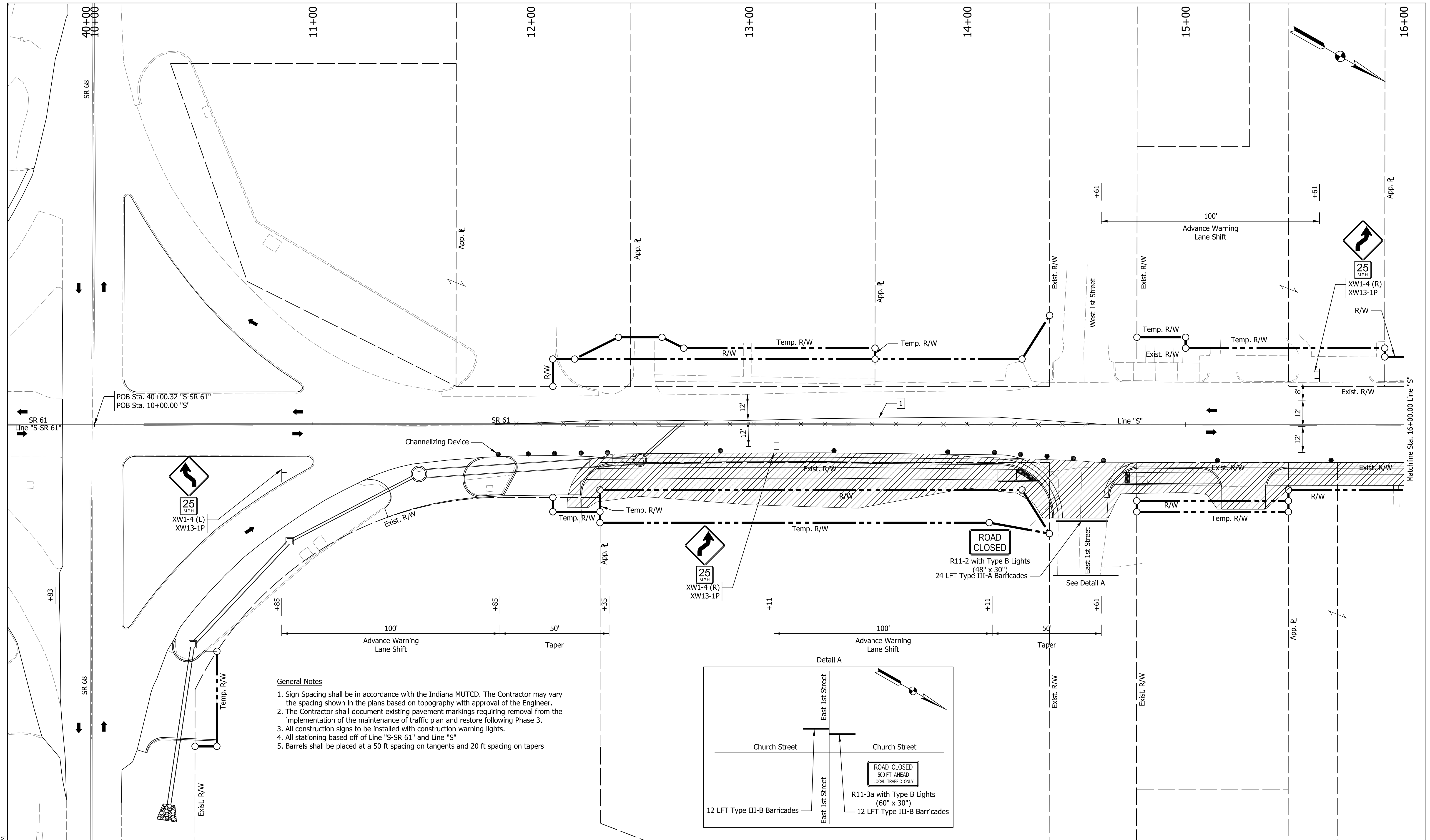
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
PHASE 2A**

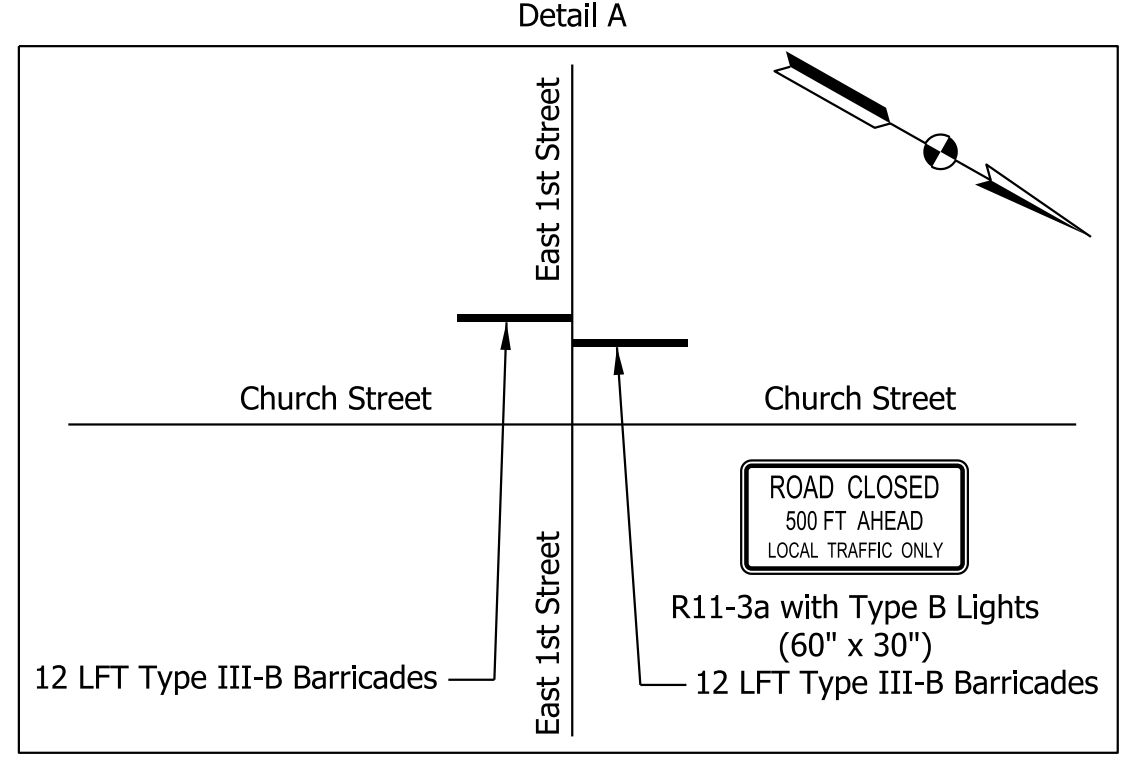
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	24 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:23 AM
 IP_PWP:d0365492\Shi_MOT Details_SubPhase 2_01.dgn



General Notes

1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
3. All construction signs to be installed with construction warning lights.
4. All stationing based off of Line "S-SR 61" and Line "S"
5. Barrels shall be placed at a 50 ft spacing on tangents and 20 ft spacing on tapers



LEGEND

● Channelizing Device	➔ Traffic Flow Direction
—X— Line, Remove	TT Sign
▨ Construction Zone	

1 Temporary Pavement Marking, Removable, 6 IN. (Yellow)

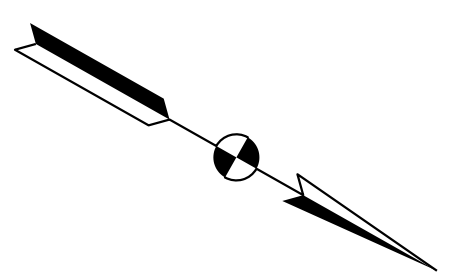
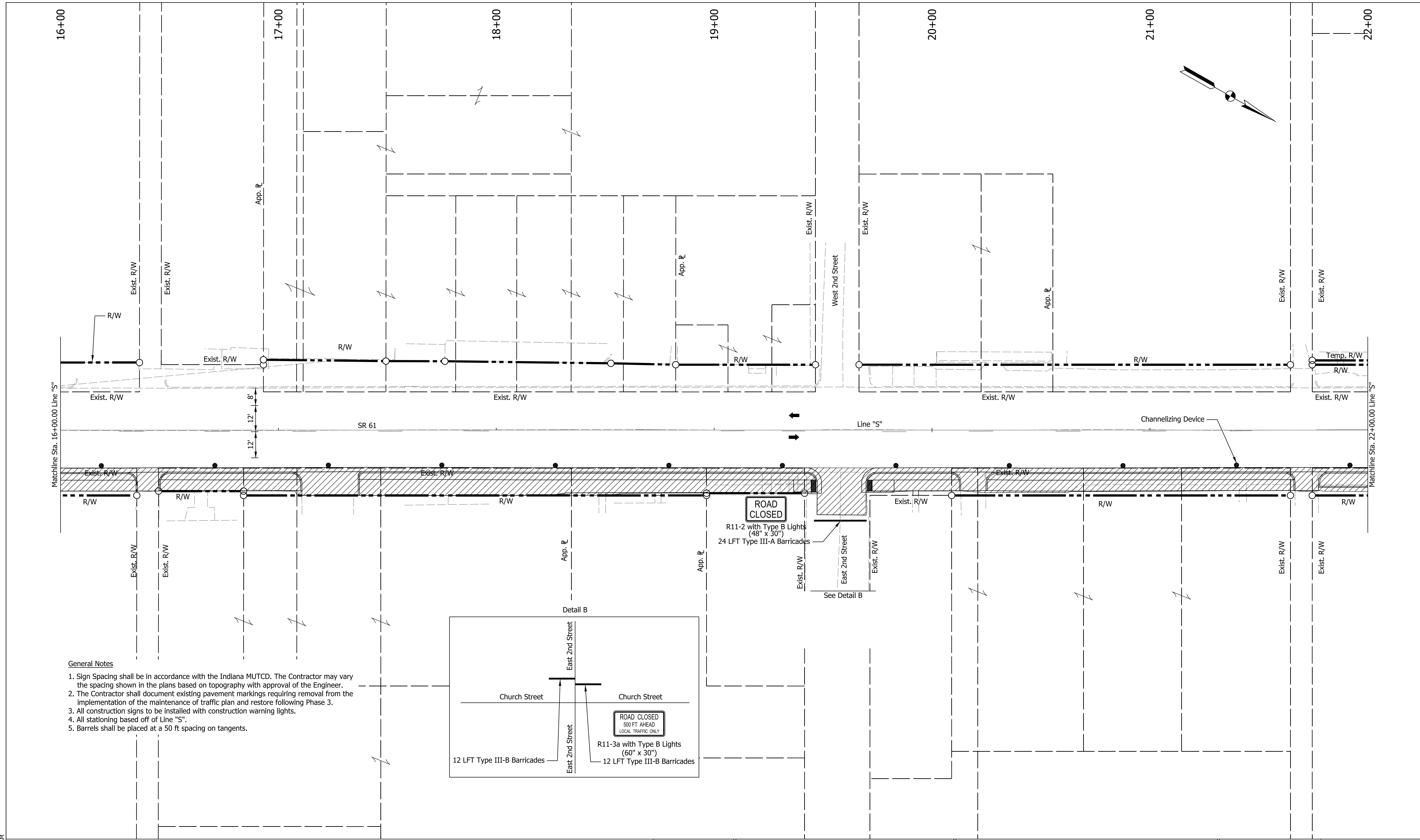
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA DEPARTMENT OF TRANSPORTATION

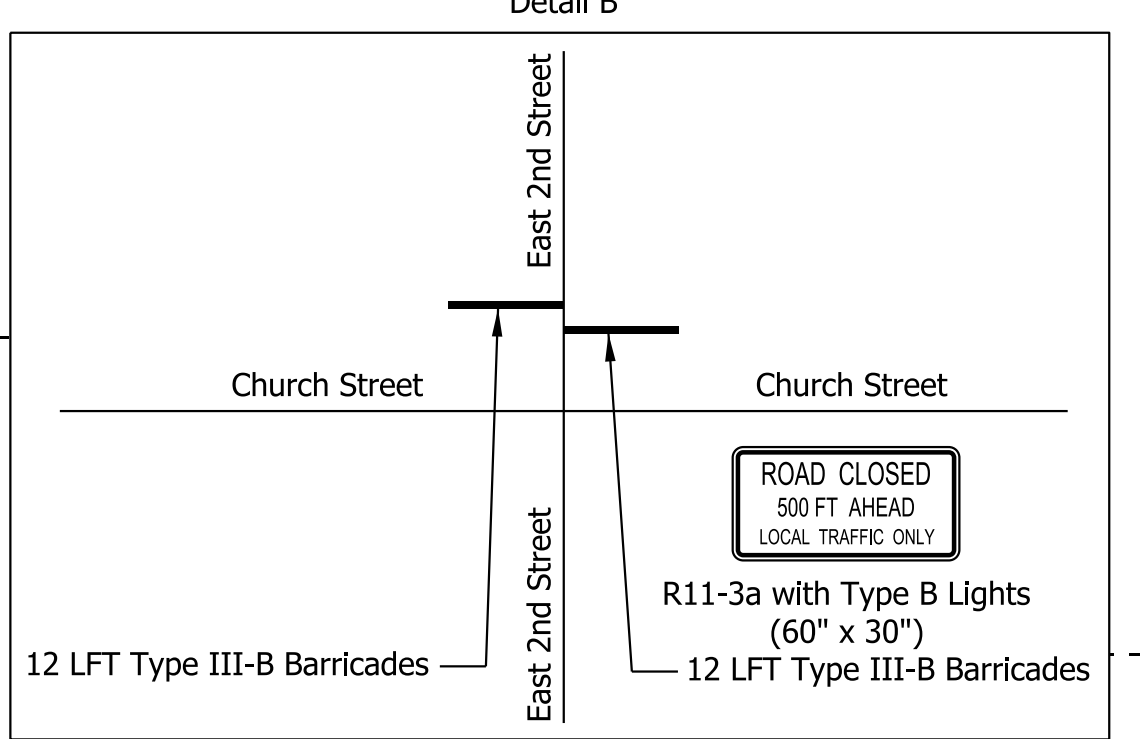
MAINTENANCE OF TRAFFIC PHASE 2B

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	25 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:23 AM
IP_PWP:d0365492\ShT_MOT_Details_Phase_2_01.dgn



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S".
 5. Barrels shall be placed at a 50 ft spacing on tangents.



LEGEND	
●	Channelizing Device
➔	Traffic Flow Direction
—x—	Line, Remove
▨	Construction Zone
TT	Sign
1	Temporary Pavement Marking, Removable, 6 IN. (Yellow)

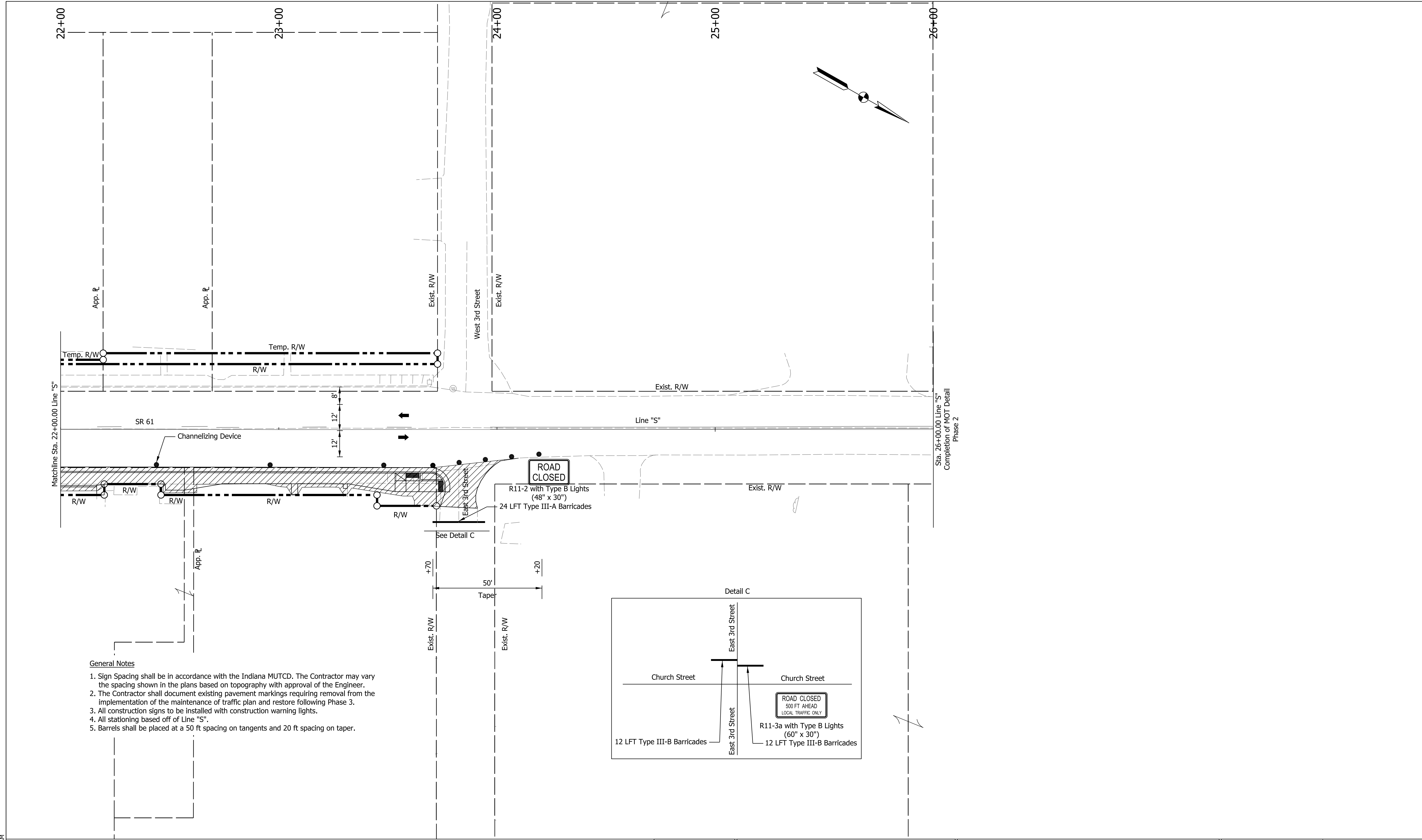
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
PHASE 2B**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	26 of 112
CONTRACT	PROJECT
R-41407	1800176

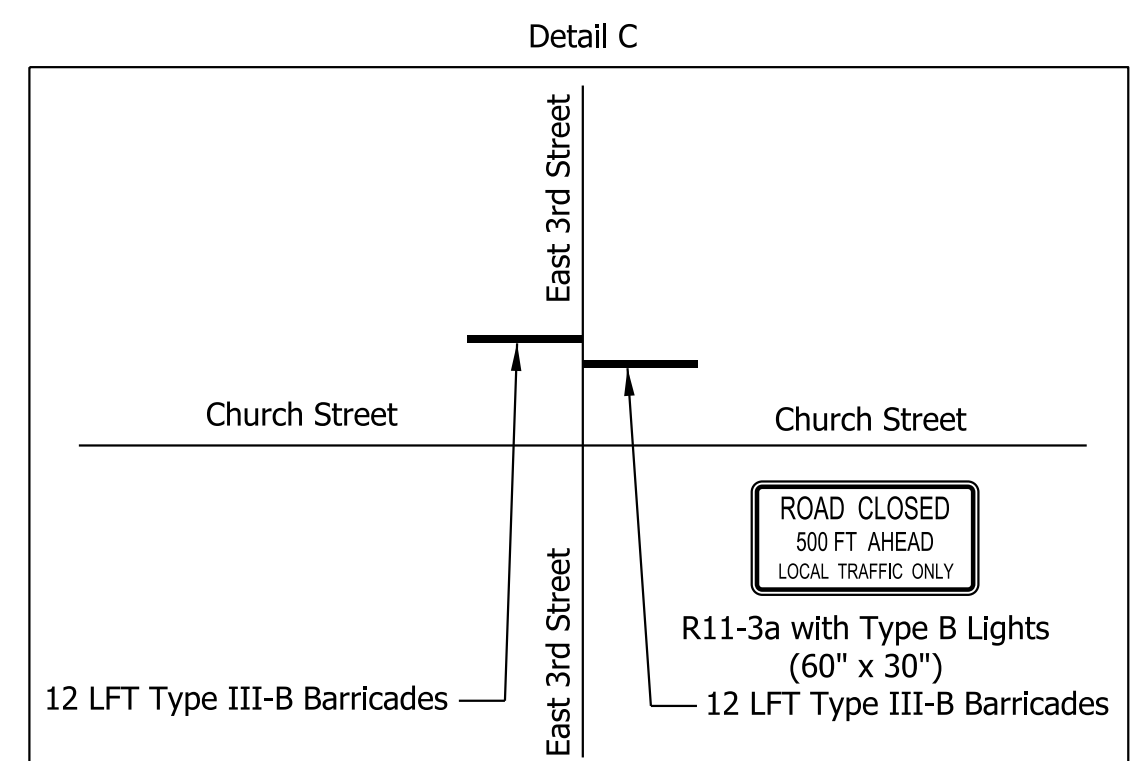
Plot: 6/17/2022 9:23 AM



Sta. 26+00.00 Line "S"
Completion of MOT Detail
Phase 2

General Notes

1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
3. All construction signs to be installed with construction warning lights.
4. All stationing based off of Line "S".
5. Barrels shall be placed at a 50 ft spacing on tangents and 20 ft spacing on taper.



LEGEND ● Channelizing Device ➔ Traffic Flow Direction —X— Line, Remove ▨ Construction Zone TT Sign [1] Temporary Pavement Marking, Removable, 6 IN. (Yellow)	
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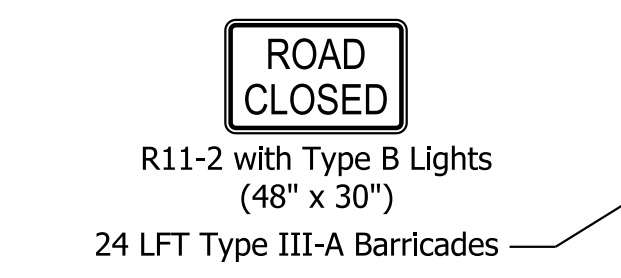
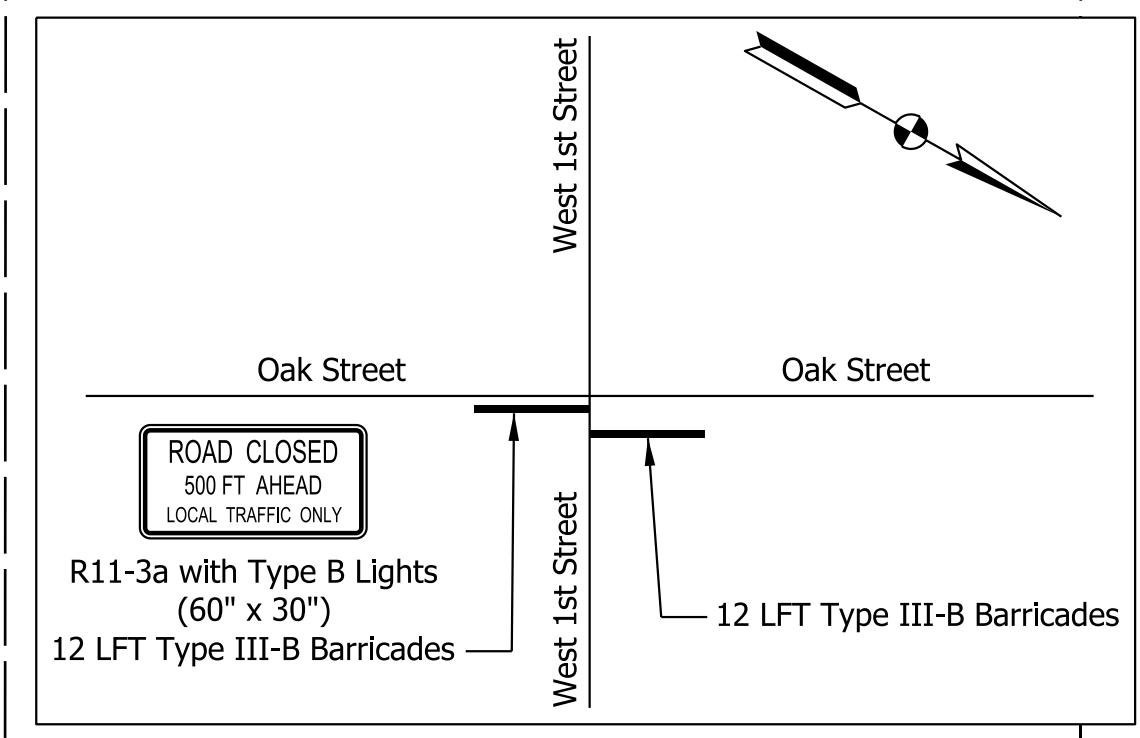
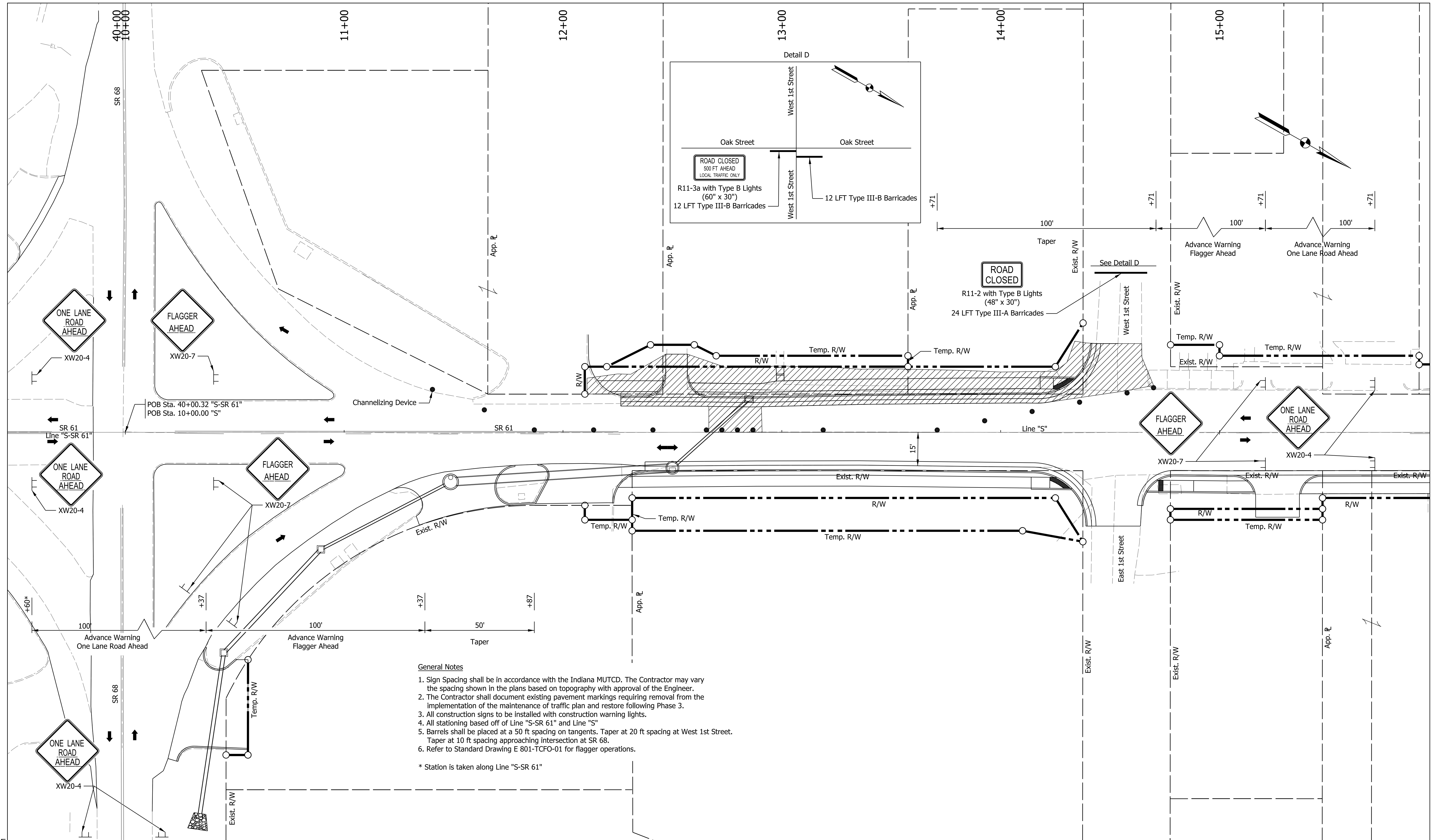
Plot: 6/17/2022 9:23 AM
 IP_PWP:d0365492\Shi_MOT_Details_Phase_2_03.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
 DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
 PHASE 2B**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	27 of 112
CONTRACT	PROJECT
R-41407	1800176



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S-SR 61" and Line "S".
 5. Barrels shall be placed at a 50 ft spacing on tangents. Taper at 20 ft spacing at West 1st Street. Taper at 10 ft spacing approaching intersection at SR 68.
 6. Refer to Standard Drawing E 801-TCFO-01 for flagger operations.
- * Station is taken along Line "S-SR 61"

LEGEND

●	Channelizing Device	➔	Traffic Flow Direction
—	Barricade	⏏	Sign
▨	Construction Zone		

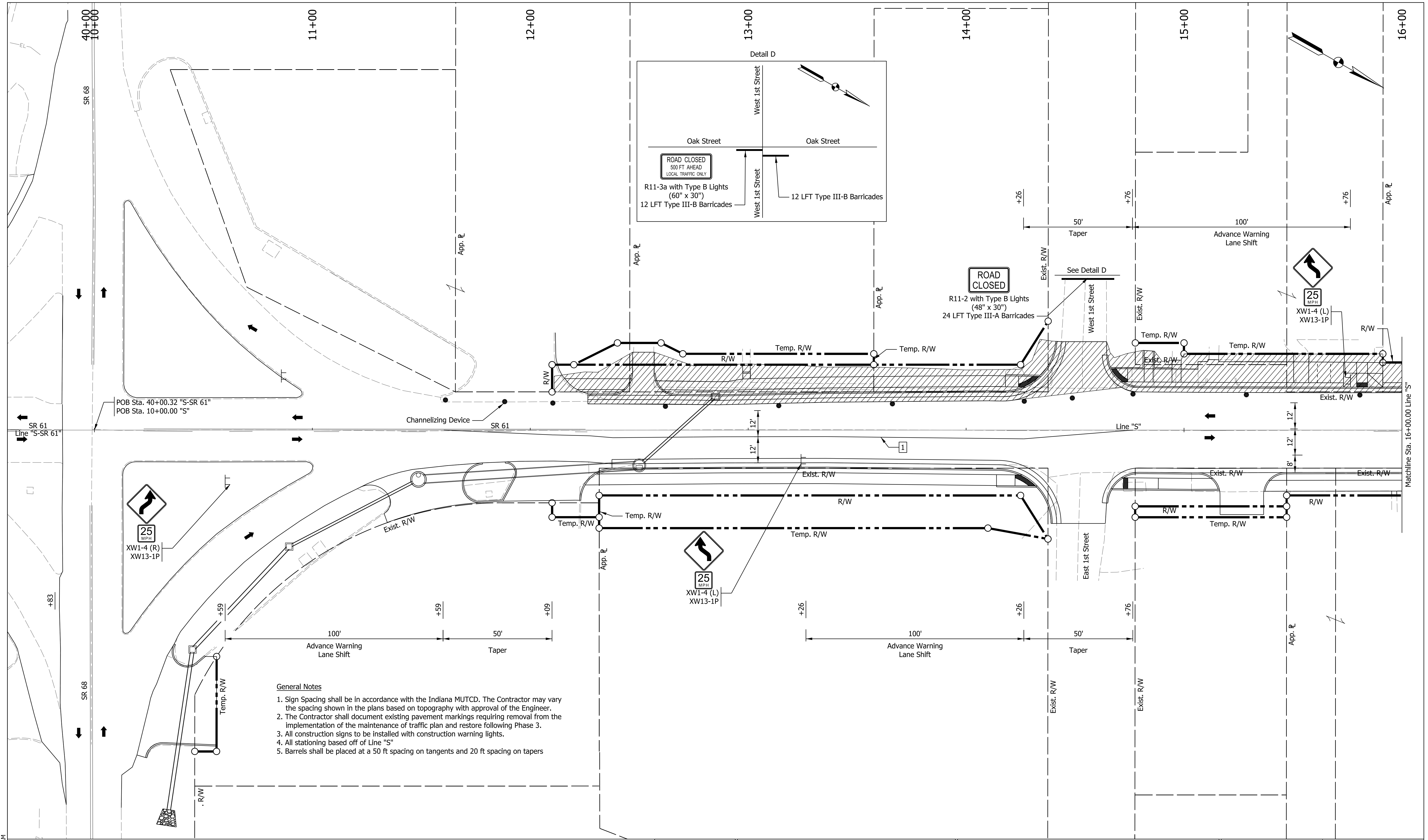
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
PHASE 3A**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	28 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:23 AM



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S"
 5. Barrels shall be placed at a 50 ft spacing on tangents and 20 ft spacing on tapers

LEGEND

●	Channelizing Device	➔	Traffic Flow Direction
—	Barricade	—X—	Line, Remove
▨	Construction Zone	TT	Sign
1	Temporary Pavement Marking, Removable, 6 IN. (Yellow)		

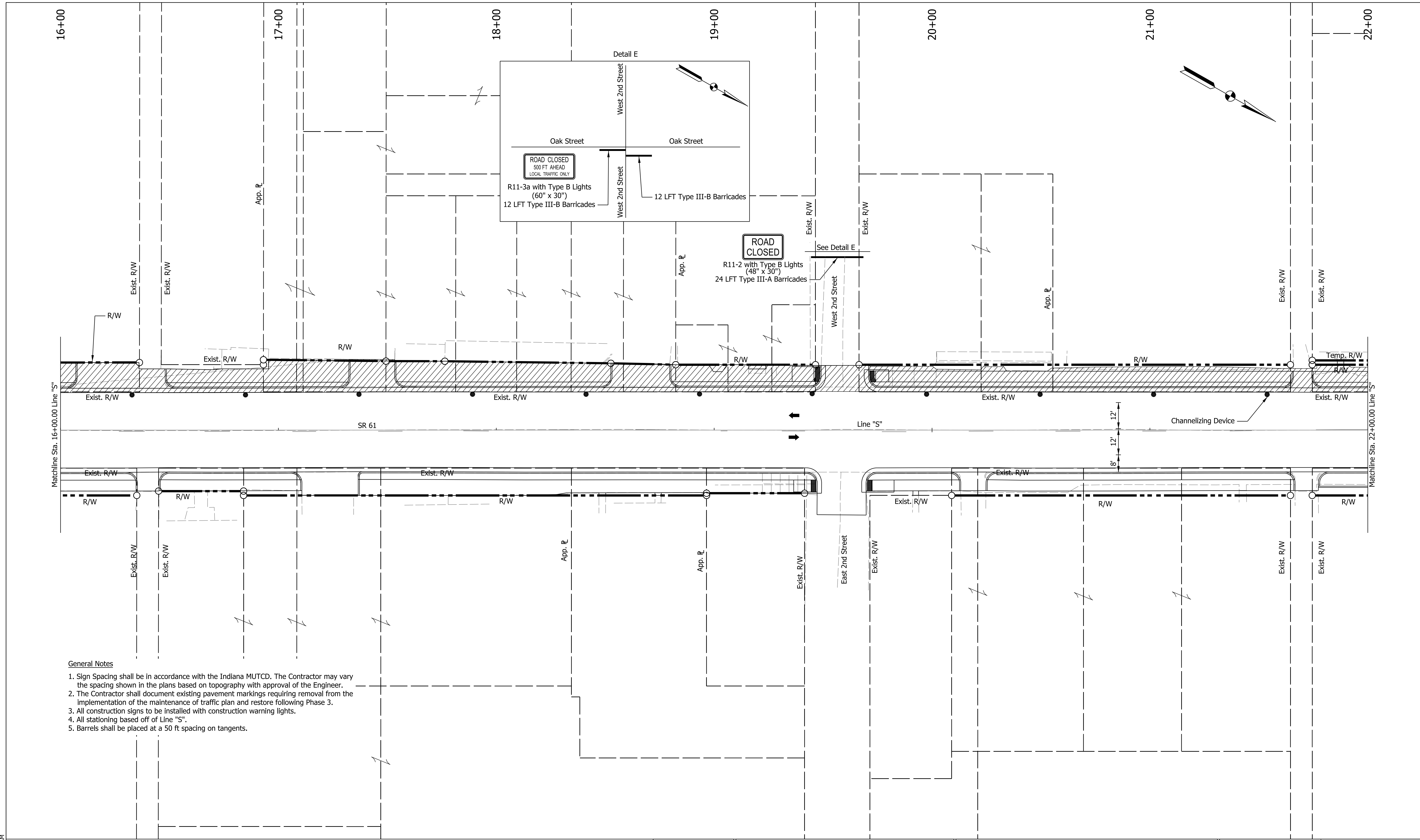
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE 3B

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	1800176
N/A	SHEETS
SURVEY BOOK	29 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:24 AM



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line "S".
 5. Barrels shall be placed at a 50 ft spacing on tangents.

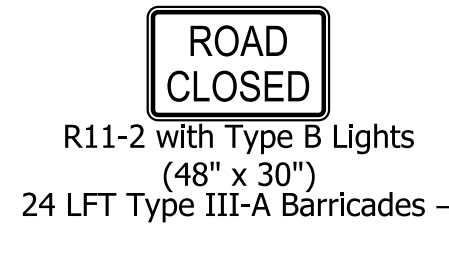
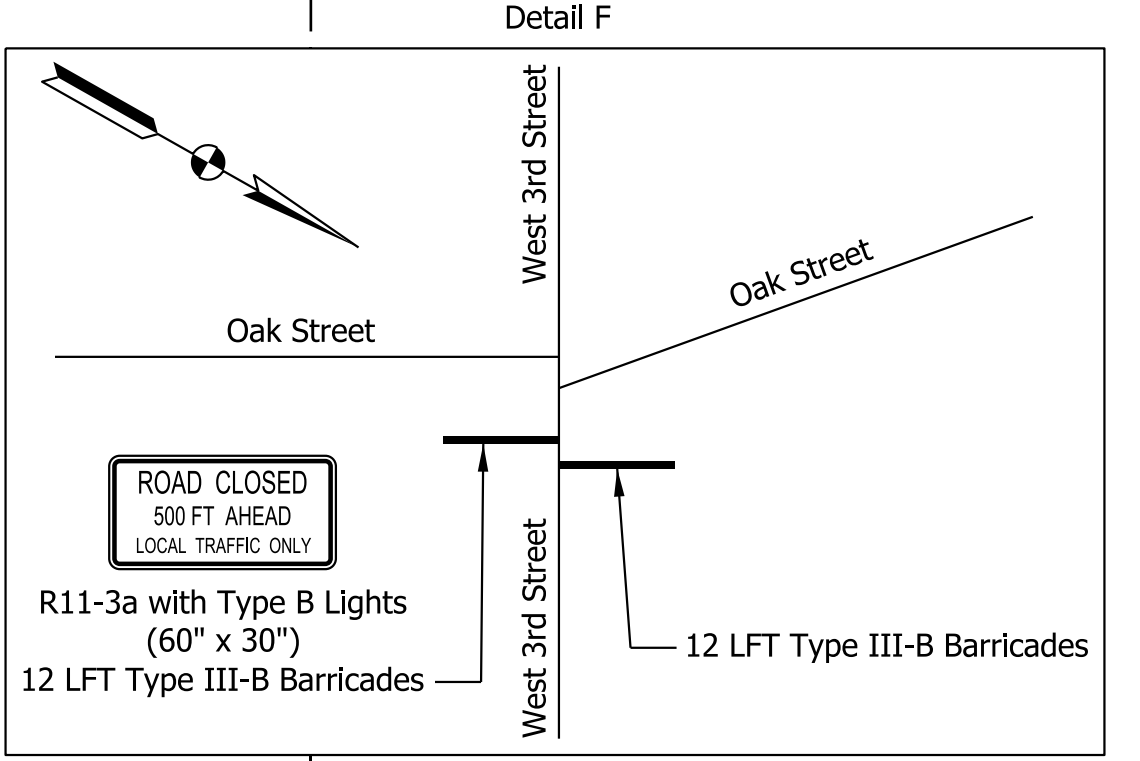
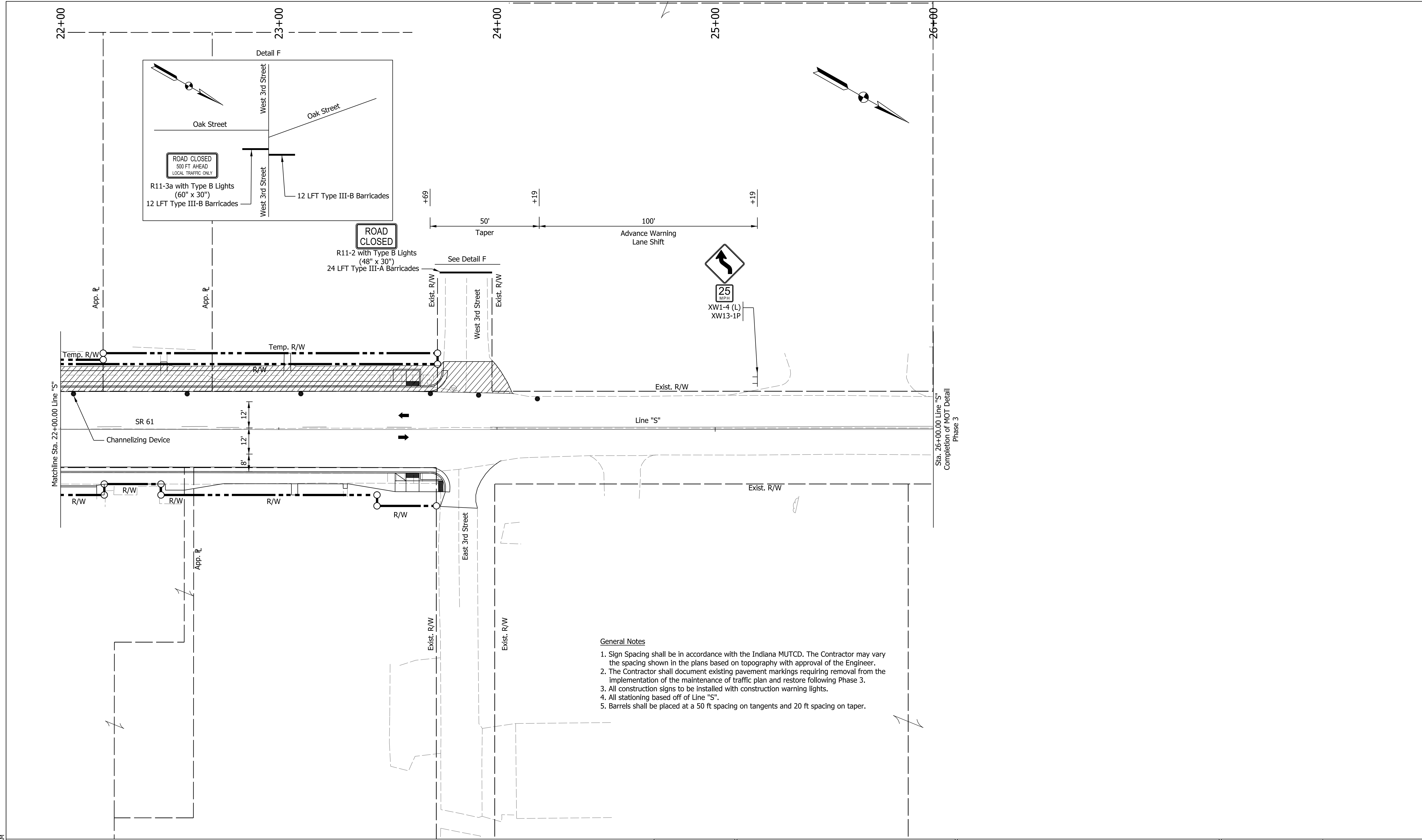
LEGEND	
●	Channelizing Device
➔	Traffic Flow Direction
⌈	Temporary Pavement Marking, Removable, 6 IN. (Yellow)
—X—	Line, Remove
▨	Construction Zone
TT	Sign

Plot: 6/17/2022 9:24 AM
 IP_PWP:d0365492\Shi_MOT_Details_Phase_3_02.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC PHASE 3B

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	30 of 112
CONTRACT	PROJECT
R-41407	1800176



- General Notes**
1. Sign Spacing shall be in accordance with the Indiana MUTCD. The Contractor may vary the spacing shown in the plans based on topography with approval of the Engineer.
 2. The Contractor shall document existing pavement markings requiring removal from the implementation of the maintenance of traffic plan and restore following Phase 3.
 3. All construction signs to be installed with construction warning lights.
 4. All stationing based off of Line 'S'.
 5. Barrels shall be placed at a 50 ft spacing on tangents and 20 ft spacing on taper.

LEGEND		Temporary Pavement Marking, Removable, 6 IN. (Yellow)	
●	Channelizing Device	1	Temporary Pavement Marking, Removable, 6 IN. (Yellow)
—	Barricade	—	Line, Remove
▨	Construction Zone	TT	Sign
→	Traffic Flow Direction		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

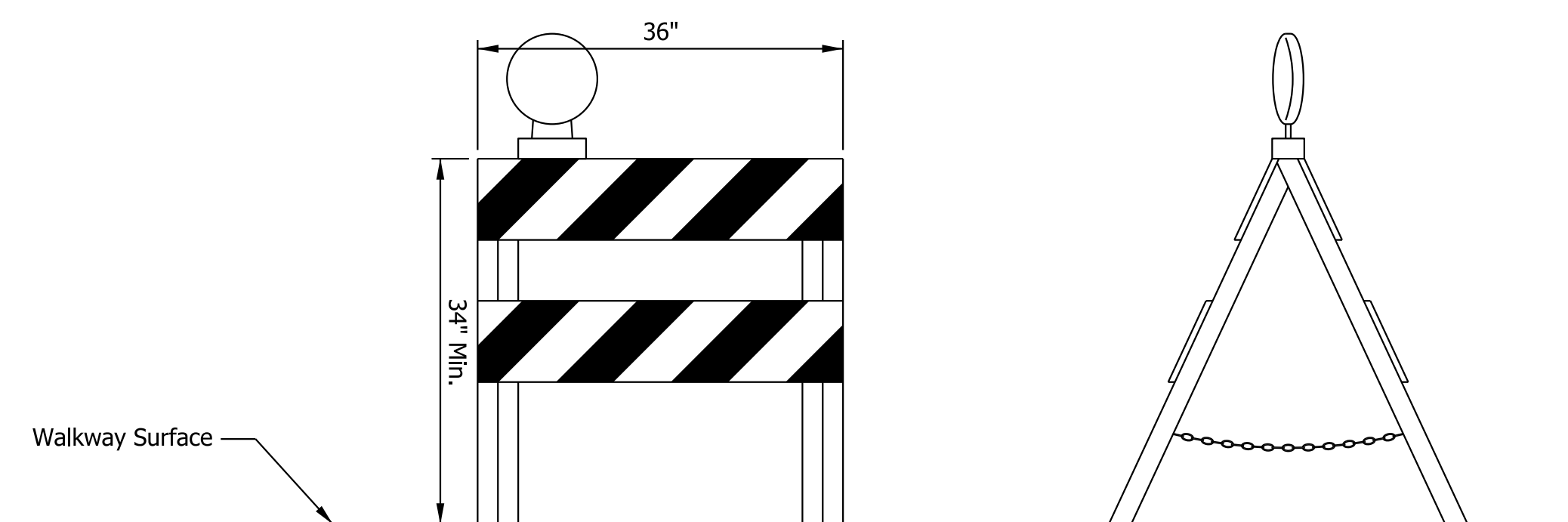
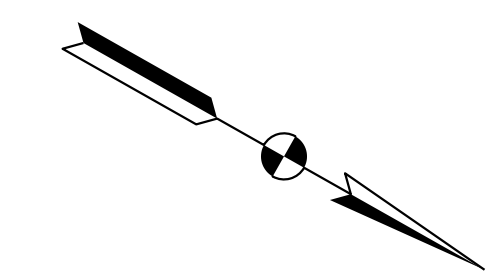
**MAINTENANCE OF TRAFFIC
PHASE 3B**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	31 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:24 AM
 IP_PWP:d0365492\ShT_MOT_Details_Phase_3_03.dgn

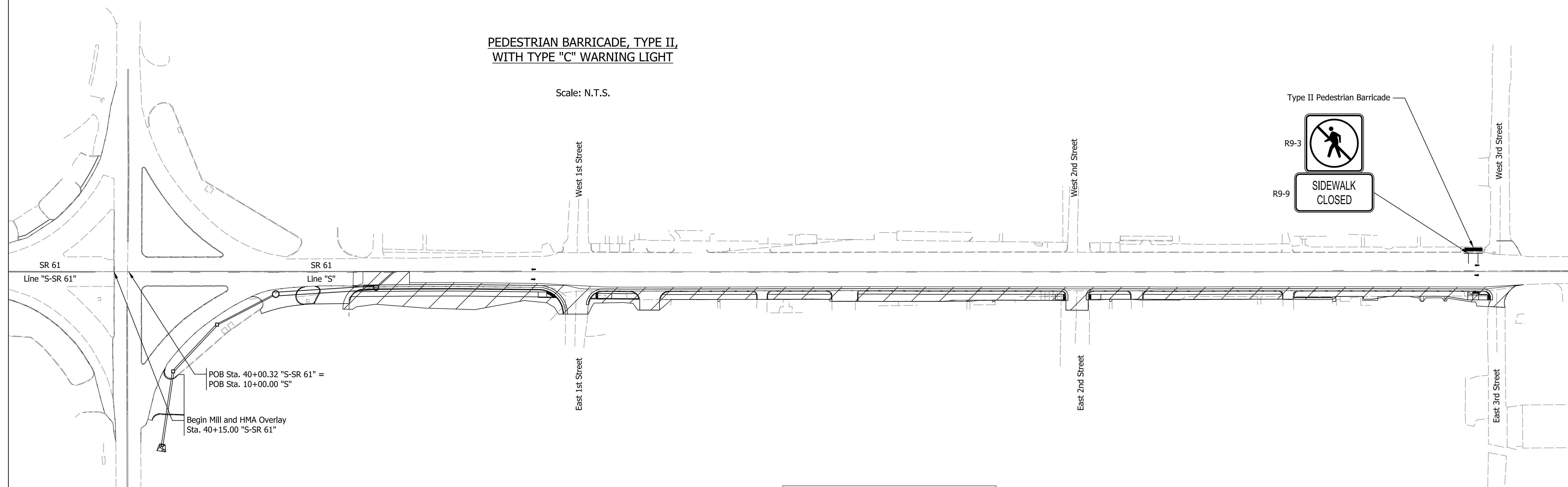
Pedestrian Barricade Assembly Notes:

1. To prevent any tripping hazard to pedestrians, ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. min. walkway clear space and shall have 0.5 in. max. height above the walkway surface with approved beveling.
2. Detectable edges for long canes shall be continuous and 6 in. min. height above the walkway surface and have color or markings contrasting with the walkway surface.
3. Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
4. Barricades shall be used to close the entire width of the walkway surface.
5. A walkway surface shall be firm, stable, and slip resistant.



**PEDESTRIAN BARRICADE, TYPE II,
WITH TYPE "C" WARNING LIGHT**

Scale: N.T.S.



Notes:

1. Contractor shall maintain pedestrian access at all times in accordance with the Indiana MUTCD and INDOT Standard Drawings.
2. See Standard Drawings 801-TCDV series for Traffic Control Devices.
3. Phase 1: Construct east side of SR 61, maintaining pedestrian access on existing sidewalks on west side of SR 61.

Location (Phase)	Type II- Barricade	Construction Sign, B
	LFT	EACH
Phase 1	5	2
Phase 2	5	2
Total (All Phases)	5	2

Legend	
	Under Construction
	Traffic Flow
	Sidewalk Barricade
	Sign

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

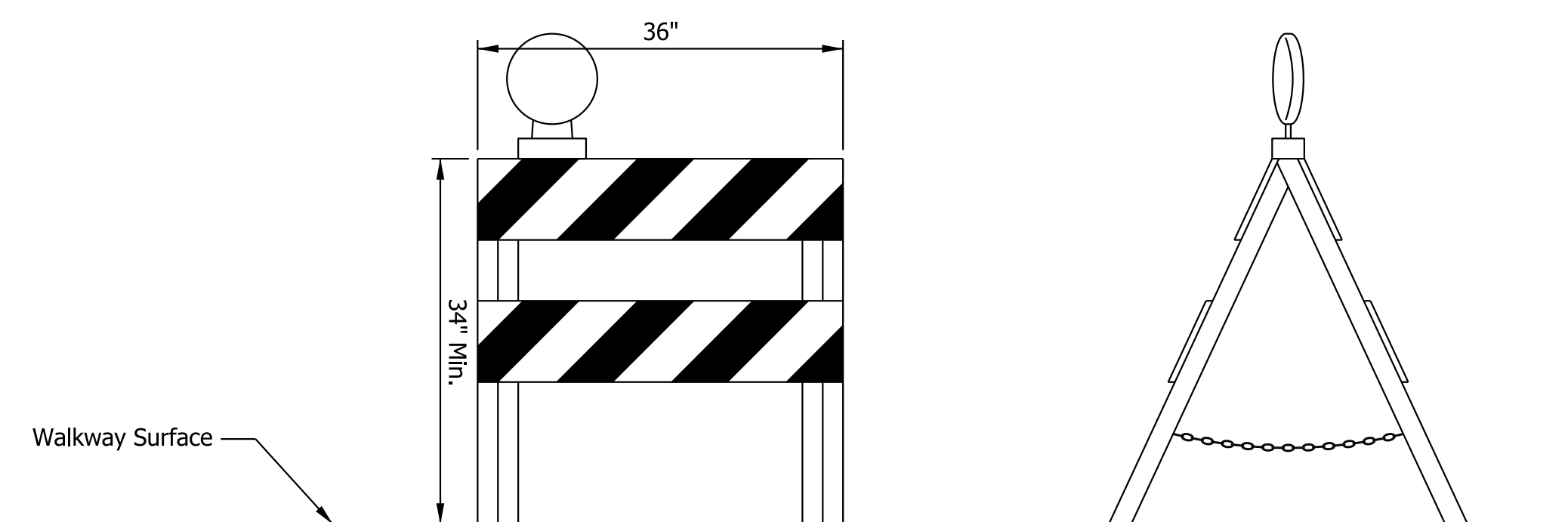
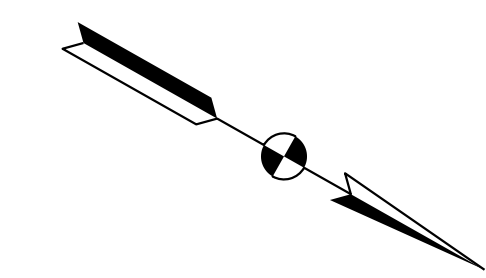
**PEDESTRIAN MAINTENANCE OF TRAFFIC
PHASE 2**

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	32 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/19/2022 11:59 AM
IP_PWP:d0365492\Sht Ped MOT Phase 1.dgn

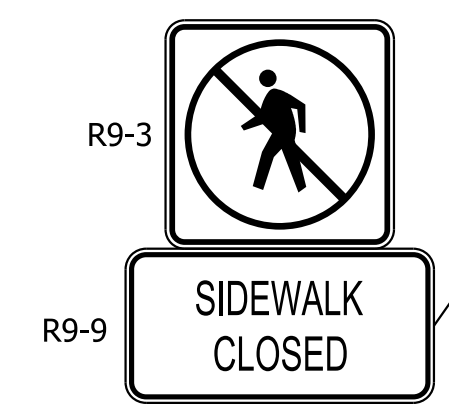
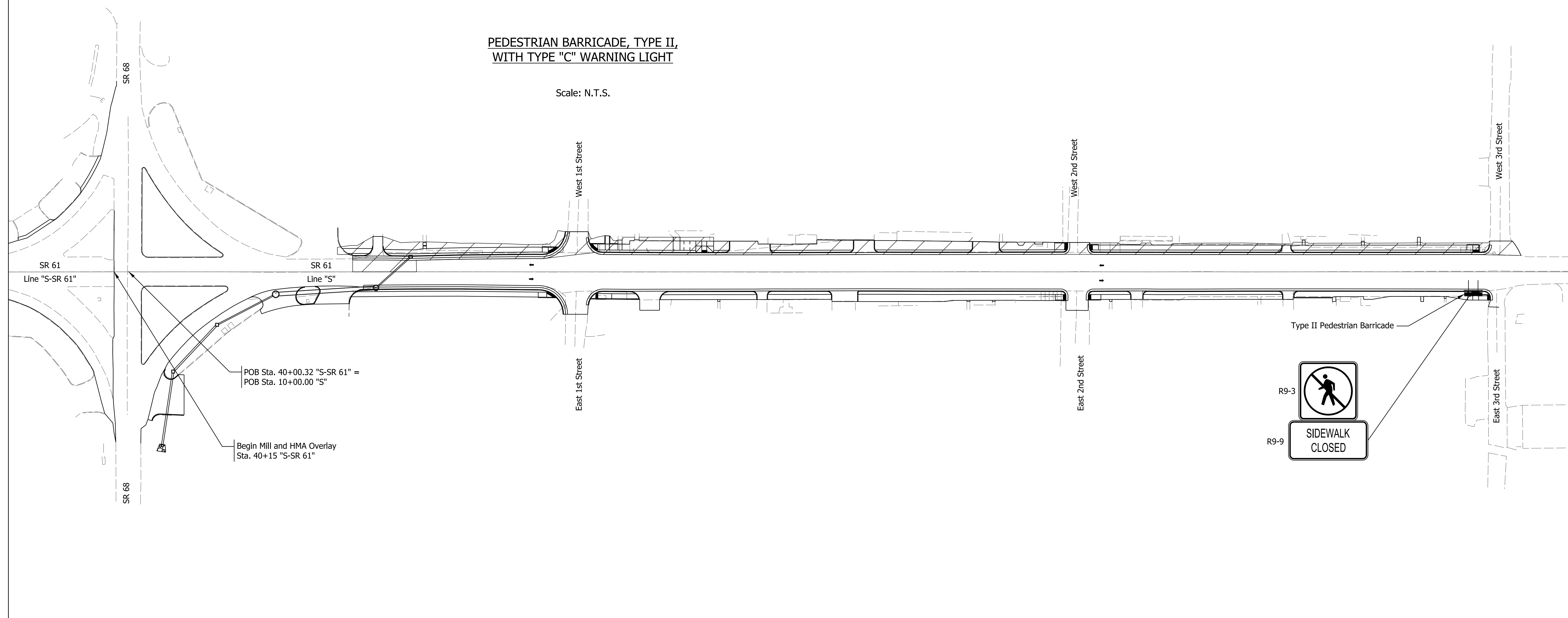
Pedestrian Barricade Assembly Notes:

1. To prevent any tripping hazard to pedestrians, ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. min. walkway clear space and shall have 0.5 in. max. height above the walkway surface with approved beveling.
2. Detectable edges for long canes shall be continuous and 6 in. min. height above the walkway surface and have color or markings contrasting with the walkway surface.
3. Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
4. Barricades shall be used to close the entire width of the walkway surface.
5. A walkway surface shall be firm, stable, and slip resistant.



**PEDESTRIAN BARRICADE, TYPE II,
WITH TYPE "C" WARNING LIGHT**

Scale: N.T.S.



Notes:

1. Contractor shall maintain pedestrian access at all times in accordance with the Indiana MUTCD and INDOT Standard Drawings.
2. See Standard Drawings 801-TCDV series for Traffic Control Devices.
3. Phase 2: Construct west side of SR 61, maintaining pedestrian access on newly constructed sidewalks east side of SR 61.

Plot: 6/19/2022 11:59 AM

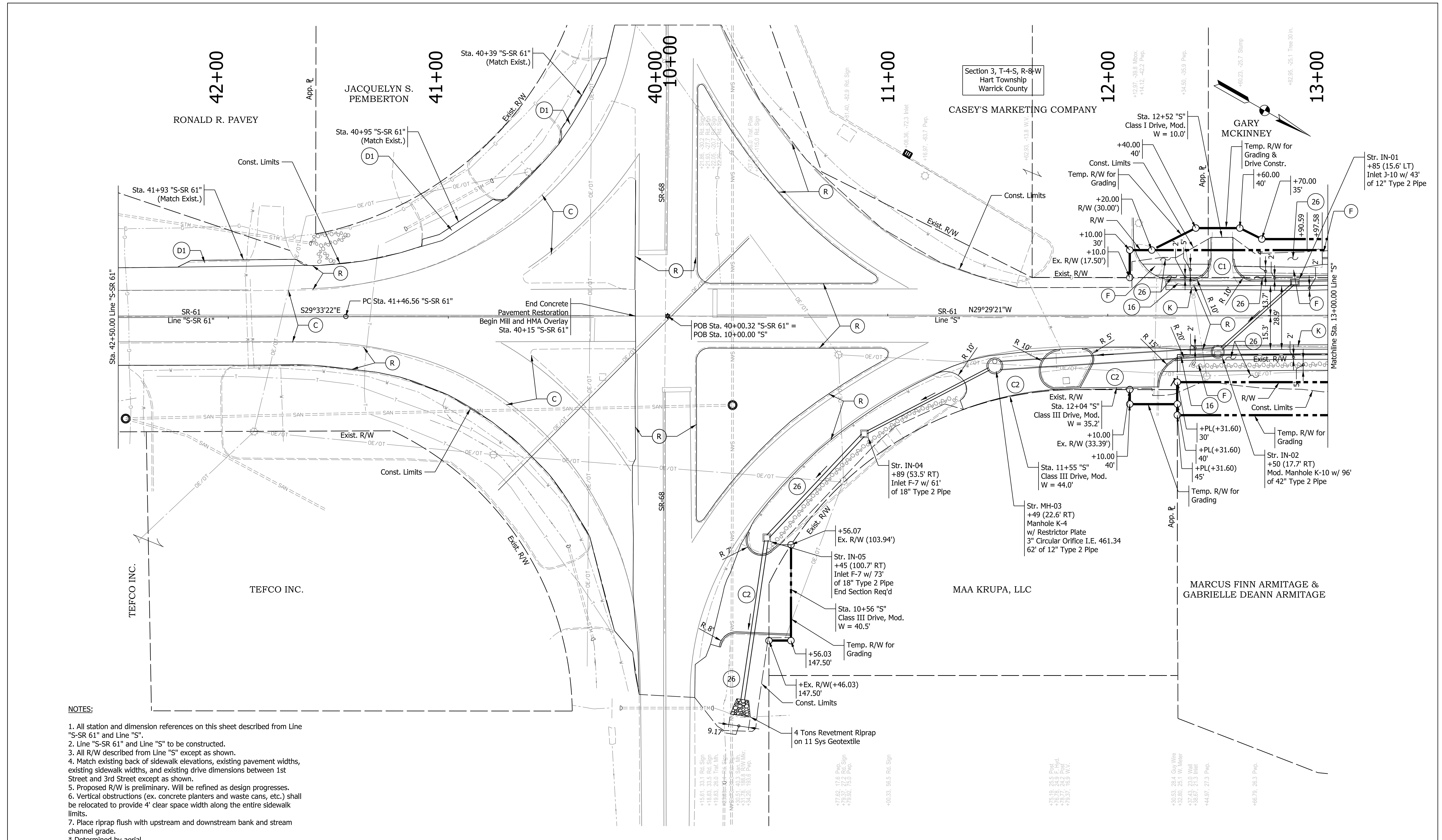
Legend	
	Under Construction
	Traffic Flow
	Sidewalk Barricade
	Sign

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

INDIANA
DEPARTMENT OF TRANSPORTATION

**PEDESTRIAN MAINTENANCE OF TRAFFIC
PHASE 3**

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	33 of 112
CONTRACT	PROJECT
R-41407	1800176



- NOTES:**
1. All station and dimension references on this sheet described from Line "S-SR 61" and Line "S".
 2. Line "S-SR 61" and Line "S" to be constructed.
 3. All R/W described from Line "S" except as shown.
 4. Match existing back of sidewalk elevations, existing pavement widths, existing sidewalk widths, and existing drive dimensions between 1st Street and 3rd Street except as shown.
 5. Proposed R/W is preliminary. Will be refined as design progresses.
 6. Vertical obstructions (ex. concrete planters and waste cans, etc.) shall be relocated to provide 4' clear space width along the entire sidewalk limits.
 7. Place riprap flush with upstream and downstream bank and stream channel grade.
- * Determined by aerial

LEGEND:

(C) Concrete Pavement Restoration (See Summary Tables)	(26) Sodding, Nursery
(D1) Milling Approach, 1.5 in.	(R) Mill and Overlay
(K) HMA Patching Full Depth Type B	(AC) Adjust Casting to Grade
(O) Compacted Aggregate, No. 53	(C1) PCCP for Approaches, 6" on Dense Graded Subbase, 6" on Subgrade Treatment Type II
(13) Curb, Concrete	(C2) PCCP for Approaches, 9" on Dense Graded Subbase, 6" on Geogrid Type 18 on Subgrade Treatment Type II
(16) Curb and Gutter, Concrete	(F) Sidewalk, Concrete
(CR) Curb Ramp, Concrete	

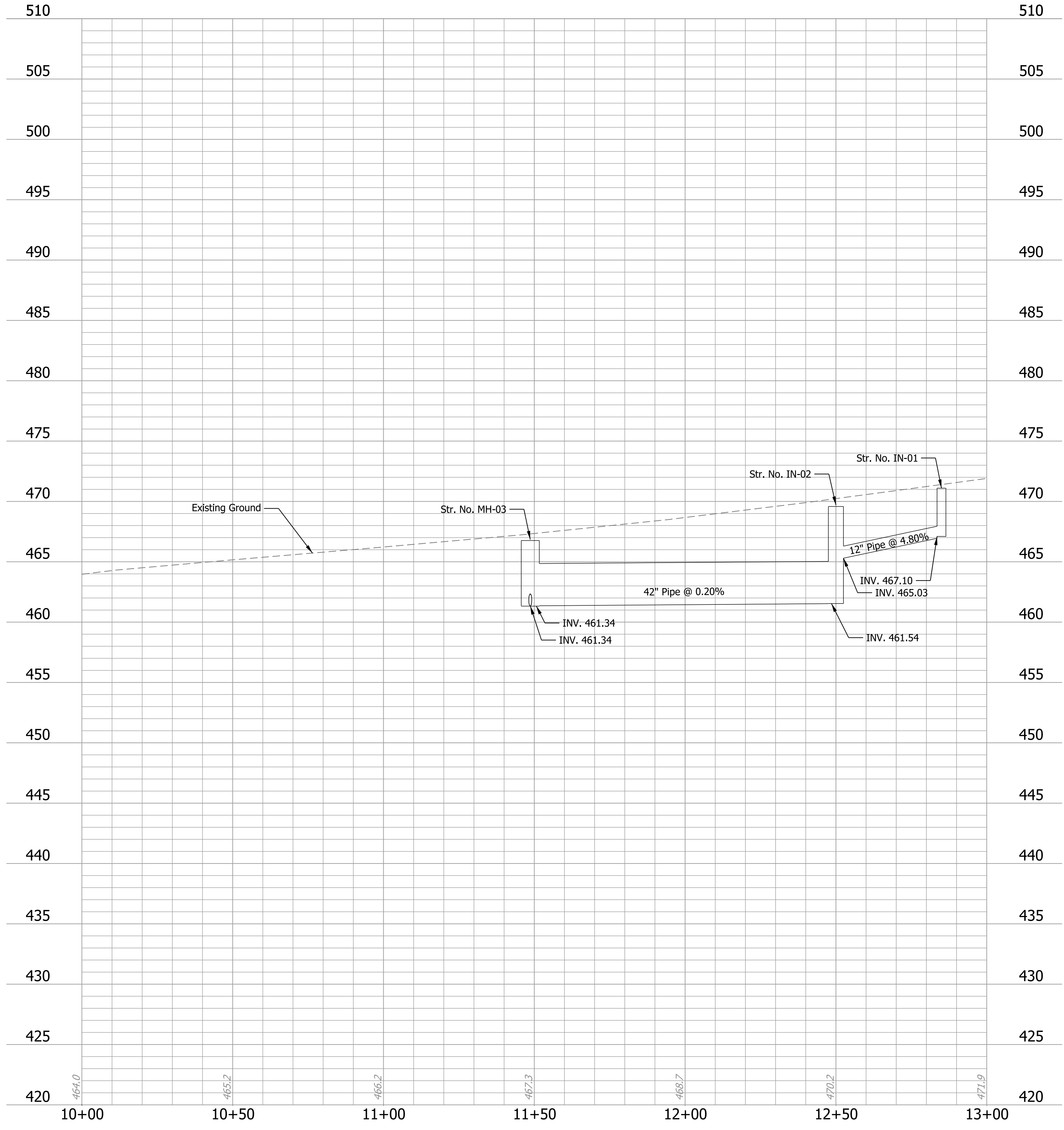
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		7/12/2021
DESIGNED: JH	DRAWN: KMB	
CHECKED: AD	CHECKED: AD	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "S-SR 61" STA. 42+50.00 TO
LINE "S" STA. 13+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	34 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:25 AM



Plot: 6/19/2022 12:20 PM

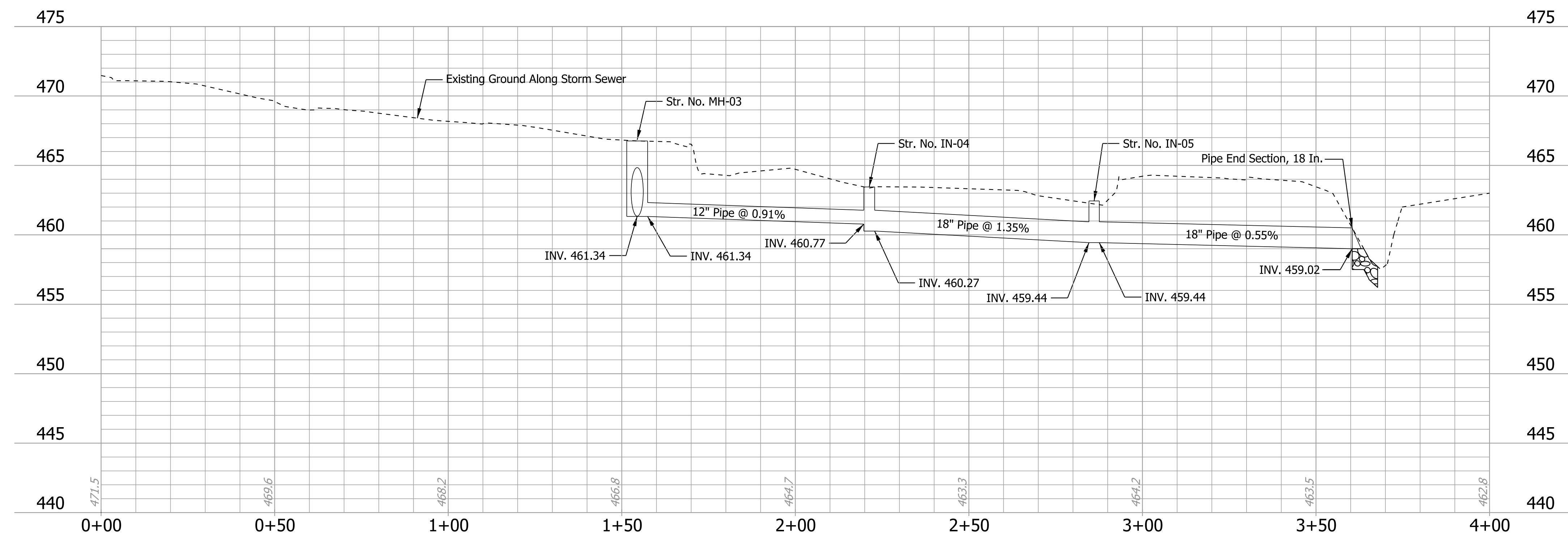
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	7/12/2021 DATE
DESIGNED: JH _____	DRAWN: JH _____	
CHECKED: AD _____	CHECKED: AD _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "S"
STA. 10+00.00 TO 13+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1800176
SURVEY BOOK	SHEETS
	35 of 112
CONTRACT	PROJECT
R-41407	1800176



Plot: 6/19/2022 12:20 PM

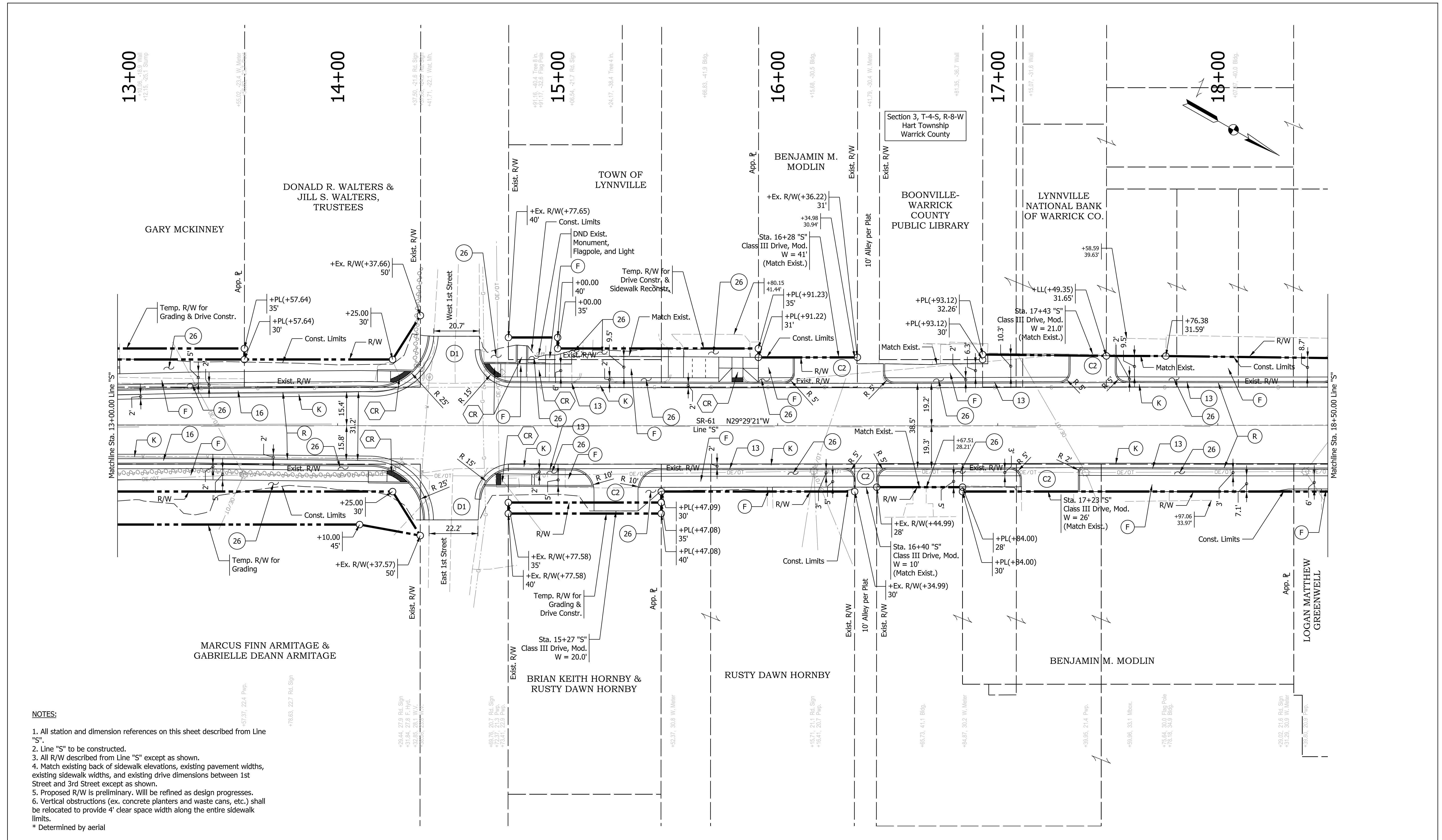
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER	7/12/2021	DATE
DESIGNED: JH _____	DRAWN: JH _____		
CHECKED: AD _____	CHECKED: AD _____		

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
SOUTHERN STORM ALIGNMENT
STA. 00+00.00 TO 04+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1800176
SURVEY BOOK	SHEETS
	36 of 112
CONTRACT	PROJECT
R-41407	1800176



- NOTES:**
- All station and dimension references on this sheet described from Line "S".
 - Line "S" to be constructed.
 - All R/W described from Line "S" except as shown.
 - Match existing back of sidewalk elevations, existing pavement widths, existing sidewalk widths, and existing drive dimensions between 1st Street and 3rd Street except as shown.
 - Proposed R/W is preliminary. Will be refined as design progresses.
 - Vertical obstructions (ex. concrete planters and waste cans, etc.) shall be relocated to provide 4' clear space width along the entire sidewalk limits.
 - * Determined by aerial

LEGEND:

(C) Concrete Pavement Restoration (See Summary Tables)	(26) Sodding, Nursery
(D1) Milling Approach, 1.5 in.	(R) Mill and Overlay
(K) HMA Patching Full Depth Type B	(AC) Adjust Casting to Grade
(O) Compacted Aggregate, No. 53	(C2) PCCP for Approaches, 9" on Dense Graded Subbase, 6" on Subgrade Treatment Type II
(13) Curb, Concrete	(F) Sidewalk, Concrete
(16) Curb and Gutter, Concrete	
(CR) Curb Ramp, Concrete	

(C1) PCCP for Approaches, 6" on Dense Graded Subbase, 6" on Subgrade Treatment Type II
(C2) PCCP for Approaches, 9" on Dense Graded Subbase, 6" on Subgrade Treatment Type II

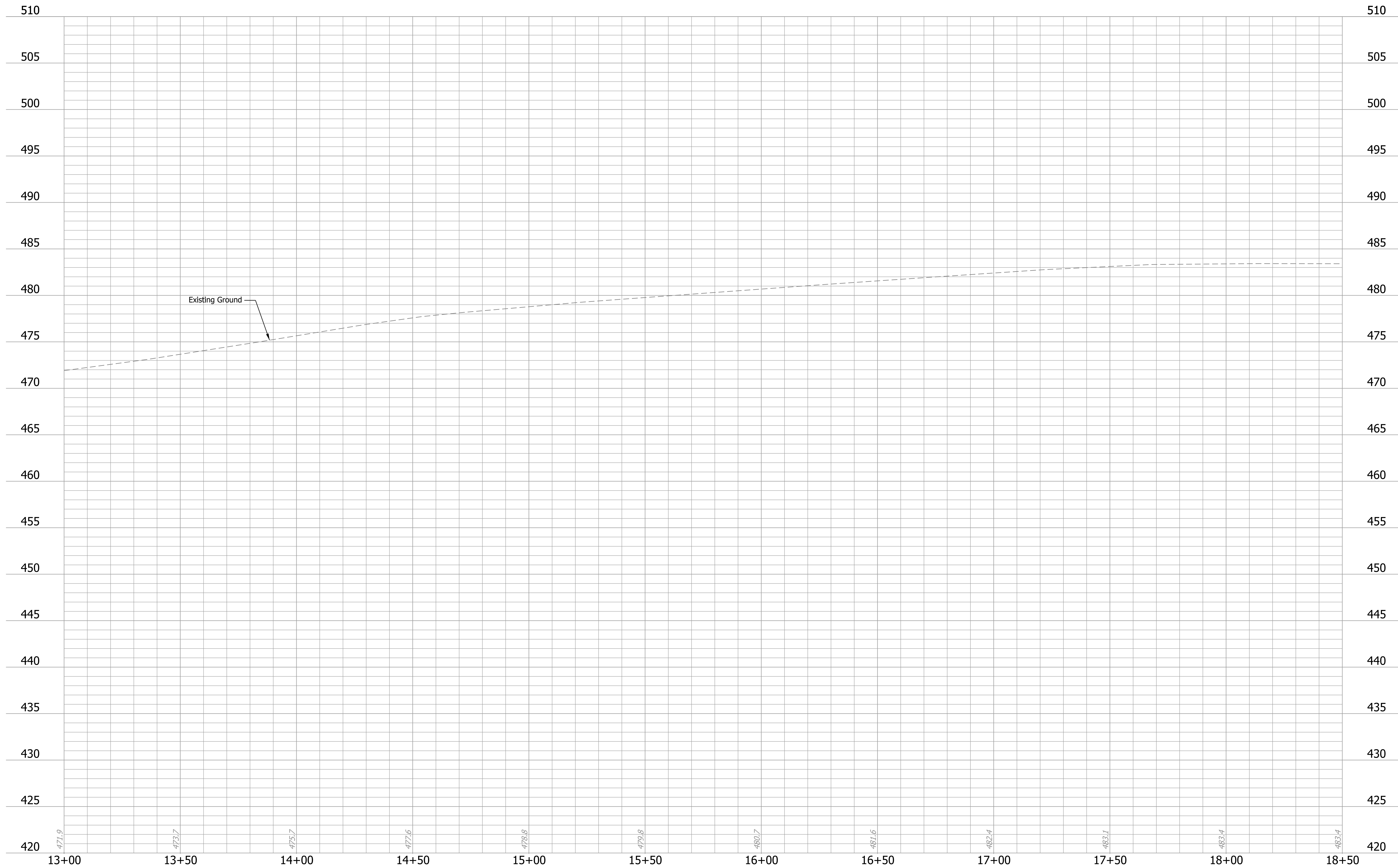
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		7/12/2021
DESIGNED: JH	DRAWN: KMB	
CHECKED: AD	CHECKED: AD	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "S"
STA. 13+00.00 TO 18+50.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	37 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:25 AM
IP_PWP:d0365445\Sht Plan_20_02.dgn



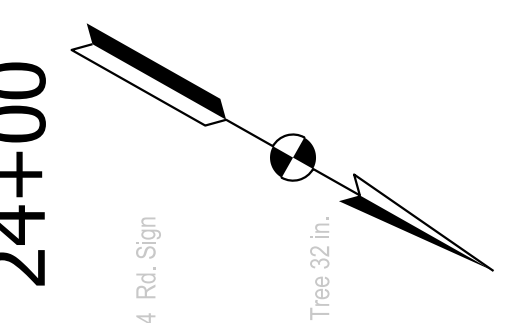
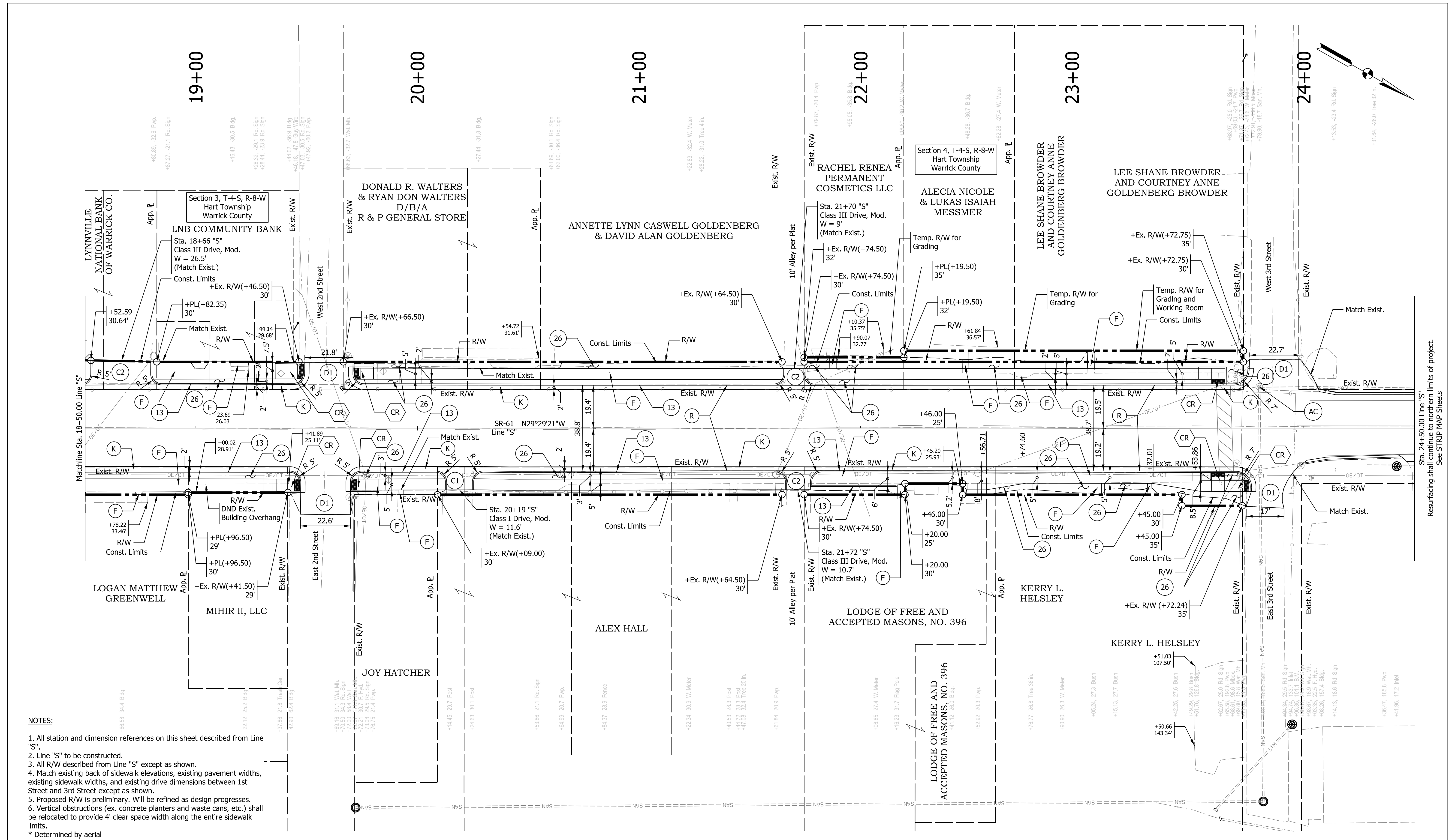
Plot: 6/17/2022 9:25 AM
 IP_PWP:d0365445\Sht Profile_20_03.dgn

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	7/12/2021 DATE
DESIGNED: JH _____	DRAWN: JH _____	
CHECKED: AD _____	CHECKED: AD _____	

INDIANA
 DEPARTMENT OF TRANSPORTATION

PROFILE SHEET
LINE "S"
STA. 13+00.00 TO 18+50.00

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1800176
SURVEY BOOK	SHEETS 38 of 112
CONTRACT R-41407	PROJECT 1800176



- NOTES:**
1. All station and dimension references on this sheet described from Line "S".
 2. Line "S" to be constructed.
 3. All R/W described from Line "S" except as shown.
 4. Match existing back of sidewalk elevations, existing pavement widths, existing sidewalk widths, and existing drive dimensions between 1st Street and 3rd Street except as shown.
 5. Proposed R/W is preliminary. Will be refined as design progresses.
 6. Vertical obstructions (ex. concrete planters and waste cans, etc.) shall be relocated to provide 4' clear space width along the entire sidewalk limits.
- *Determined by aerial

LEGEND:

(C) Concrete Pavement Restoration (See Summary Tables)	(26) Sodding, Nursery	(O) Compacted Aggregate, No. 53
(D1) Milling Approach, 1.5 in.	(R) Mill and Overlay	(13) Curb, Concrete
(K) HMA Patching Full Depth Type B	(AC) Adjust Casting to Grade	(16) Curb and Gutter, Concrete
	(F) Sidewalk, Concrete	(CR) Curb Ramp, Concrete
		(C1) PCCP for Approaches, 6" on Dense Graded Subbase, 6" on Subgrade Treatment Type II
		(C2) PCCP for Approaches, 9" on Dense Graded Subbase, 6" on Subgrade Treatment Type II

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
		7/12/2021
DESIGNED: JH	DRAWN: KMB	
CHECKED: AD	CHECKED: AD	

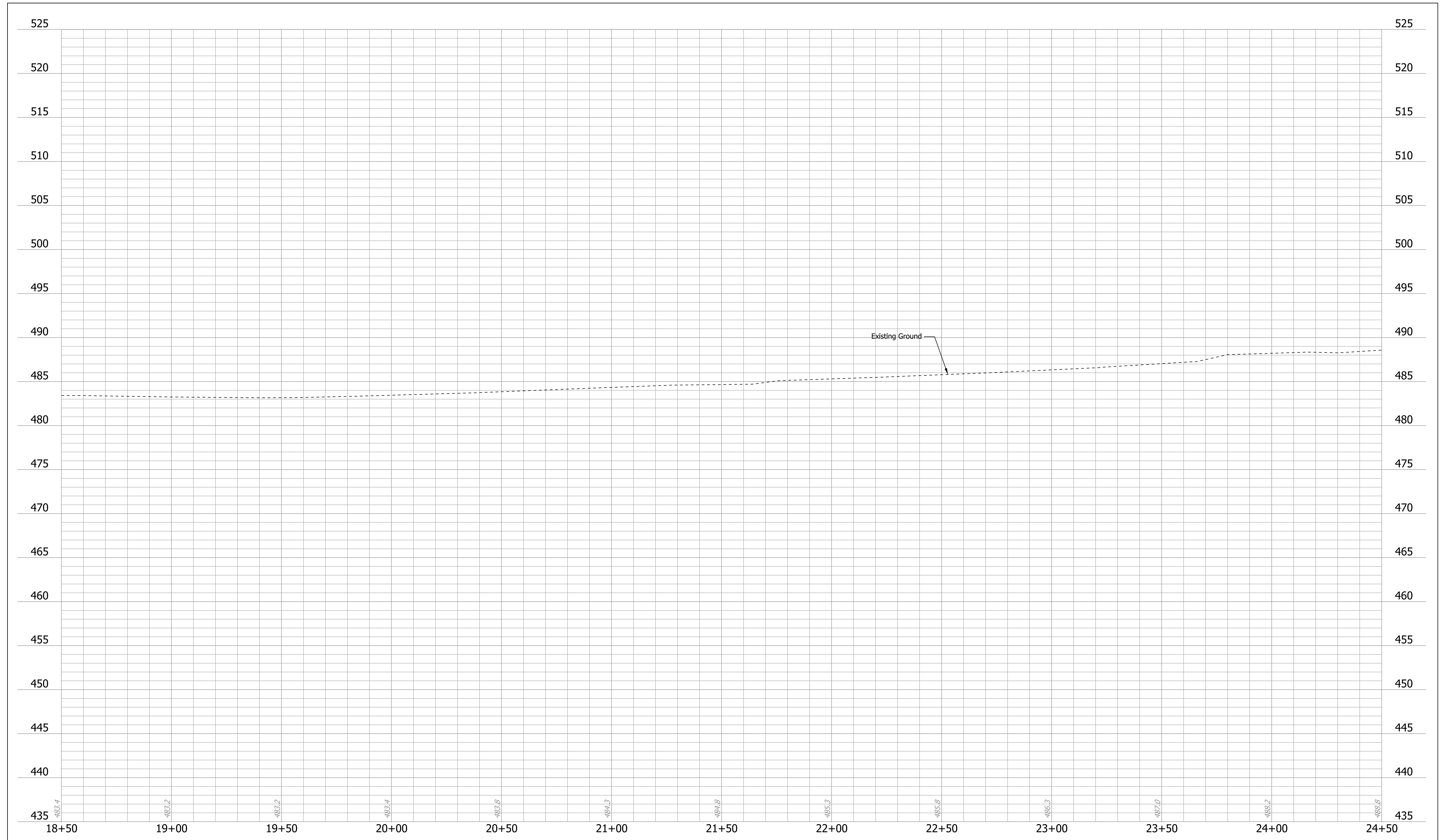
INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN SHEET LINE "S" STA. 18+50.00 TO 24+50.00	

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	39 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:26 AM

IP_PWP:d0365445\Sht Plan_20_03.dgn

Resurfacing shall continue to northern limits of project. See STRIP MAP SHEETS



Plot: 6/17/2022 9:26 AM

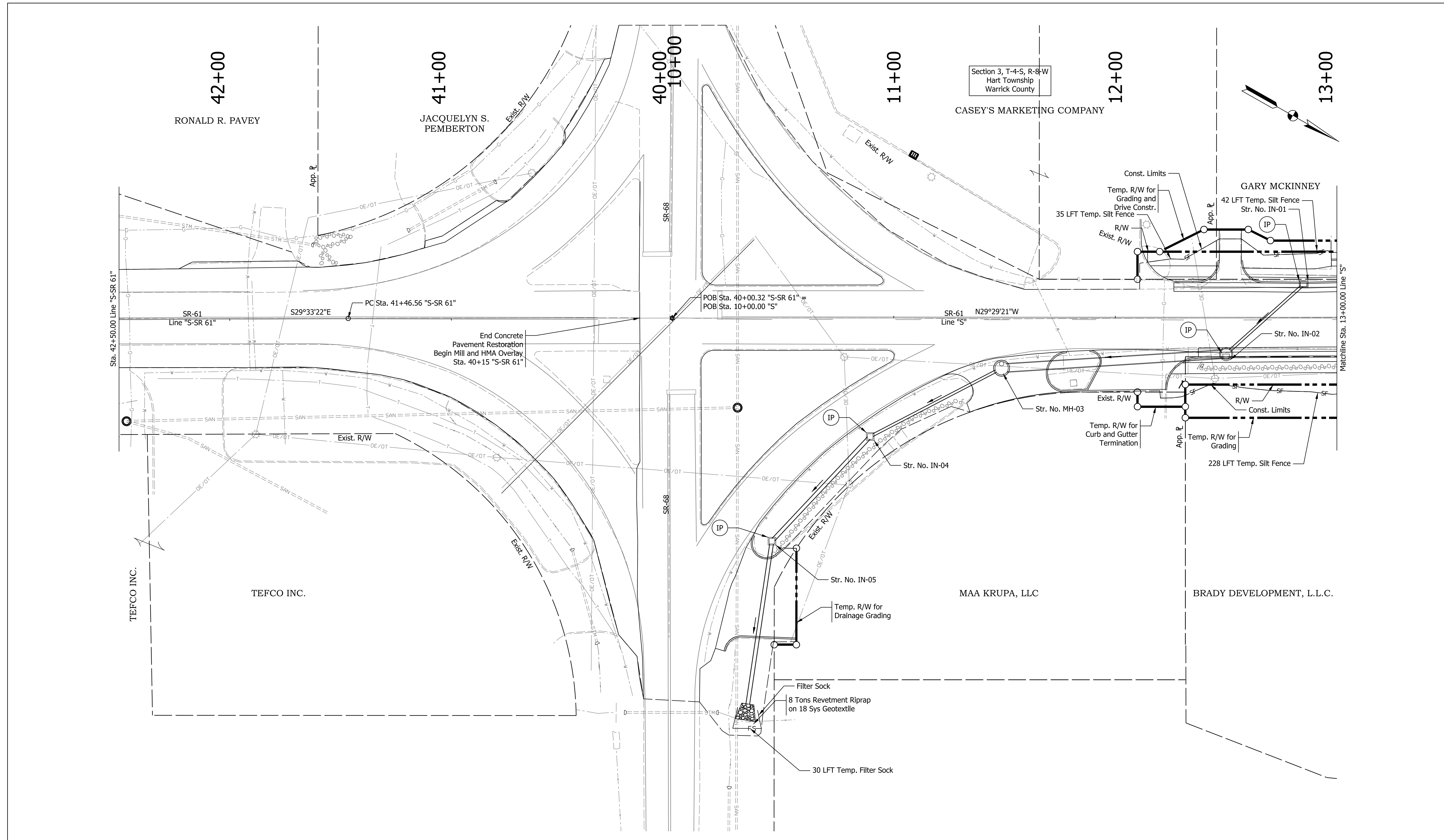
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	7/12/2021 DATE
DESIGNED: JH _____	DRAWN: JH _____	
CHECKED: AD _____	CHECKED: AD _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

**PROFILE SHEET
LINE "S"
STA. 18+50.00 TO 24+50**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION 1800176
SURVEY BOOK	SHEETS 40 of 112
CONTRACT R-41407	PROJECT 1800176



Plot: 6/17/2022 9:26 AM

LEGEND:

- IP Temporary Inlet Protection
- FS— Filter Sock
- SF— Silt Fence

General Notes:
 2. All non-permitted wetlands shall be delineated by construction fencing.

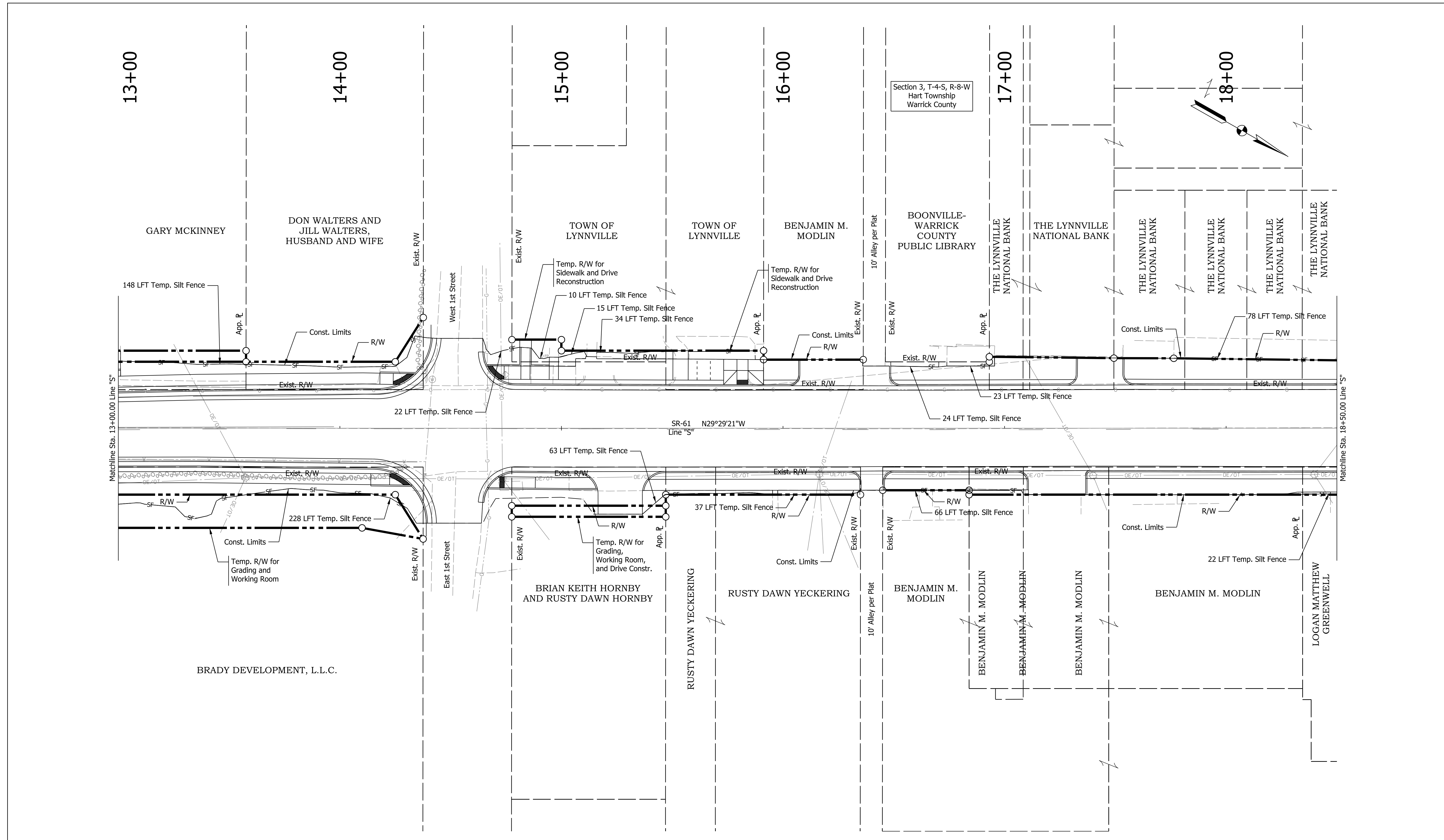
Permanent Erosion Control
 1. Final slope grades steeper than 3:1 or when specified shall be immediately seeded and protected with erosion control blanket upon completion of grading.

Temporary Erosion Control
 1. Disturbed areas with slopes 3:1 or greater, but flatter than 2:1 shall require Mulching Type A. Areas shall be immediately seeded and protected.
 2. Disturbed areas with slopes 2:1 or steeper shall be immediately seeded and protected with a manufactured surface protection product in accordance with Section 205-3.05(04) from the Indiana Design Manual.
 3. Any areas in addition to those called out left undisturbed for a period exceeding 7 days shall be required to have temporary seeding and mulching.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DESIGNED: AS CHECKED: AD	7/12/2021 DATE DRAWN: AS CHECKED: AD
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INDIANA
 DEPARTMENT OF TRANSPORTATION
EROSION CONTROL DETAILS
 LINE "S-SR 61" STA. 42+50.00 TO
 LINE "S" STA. 13+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	41 of 112
CONTRACT	PROJECT
R-41407	1800176



Plot: 6/17/2022 9:26 AM

LEGEND:
 (IP) Temporary Inlet Protection
 —FS— Filter Sock
 —SF— Silt Fence

General Notes:
 1. No temporary erosion control measures in non-permitted wetlands or streams
 2. All non-permitted wetlands shall be delineated by construction fencing.

Permanent Erosion Control
 1. Final slope grades steeper than 3:1 or when specified shall be immediately seeded and protected with erosion control blanket upon completion of grading.

Temporary Erosion Control
 1. Disturbed areas with slopes 3:1 or greater, but flatter than 2:1 shall require Mulching Type A. Areas shall be immediately seeded and protected.
 2. Disturbed areas with slopes 2:1 or steeper shall be immediately seeded and protected with a manufactured surface protection product in accordance with Section 205-3.05(04) from the Indiana Design Manual.
 3. Any areas in addition to those called out left undisturbed for a period exceeding 7 days shall be required to have temporary seeding and mulching.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AS	DRAWN: AS	
CHECKED: AD	CHECKED: AD	


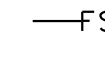
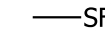
INDIANA DEPARTMENT OF TRANSPORTATION
EROSION CONTROL DETAILS
LINE "S"
STA. 13+00.00 TO 18+50.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	42 of 112
CONTRACT	PROJECT
R-41407	1800176

Plot: 6/17/2022 9:26 AM

IP_PWP:d0365445\Shr TEC_20_03.dgn

LEGEND:

-  Temporary Inlet Protection
-  Filter Sock
-  Silt Fence

General Notes:
 1. No temporary erosion control measures in non-permitted wetlands or streams
 2. All non-permitted wetlands shall be delineated by construction fencing.

Permanent Erosion Control
 1. Final slope grades steeper than 3:1 or when specified shall be immediately seeded and protected with erosion control blanket upon completion of grading.

Temporary Erosion Control
 1. Disturbed areas with slopes 3:1 or greater, but flatter than 2:1 shall require Mulching Type A. Areas shall be immediately seeded and protected.
 2. Disturbed areas with slopes 2:1 or steeper shall be immediately seeded and protected with a manufactured surface protection product in accordance with Section 205-3.05(04) from the Indiana Design Manual.
 3. Any areas in addition to those called out left undisturbed for a period exceeding 7 days shall be required to have temporary seeding and mulching.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AS	DRAWN: AS	
CHECKED: AD	CHECKED: AD	

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
LINE "S"
STA. 18+50.00 TO 23+00.00

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	1800176
SURVEY BOOK	SHEETS
	43 of 112
CONTRACT	PROJECT
R-41407	1800176

