PROJECT	DESIGNATION
1700976	1700976
CONTRACT	BRIDGE FILE NO.
R-40337	N/A

INDIANA DEPARTMENT OF TRANSPORTATION

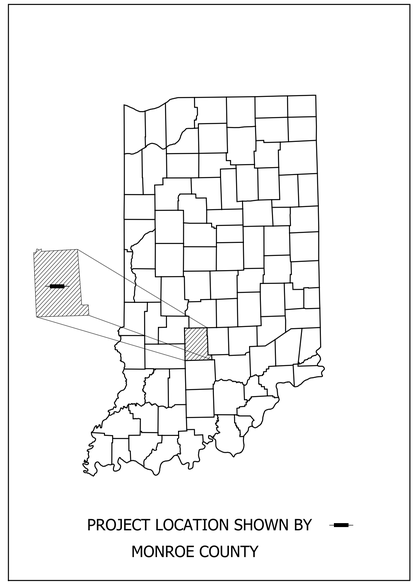
PEDESTRIAN IMPROVEMENTS

VARIOUS PEDESTRIAN CROSSING ENHANCEMENTS LOCATED
IN SECTIONS 28, 29, 32 & 33 T-9-N, R-1-W, BLOOMINGTON TOWNSHIP
AND SECTIONS 2, 4, 5, 8 & 16, T-8-N, R-1-W, PERRY TOWNSHIP,
CITY OF BLOOMINGTON, MONROE COUNTY, INDIANA

PROJECT NO. 1700976 P.E.
1700976 CONST.

DESIGN DATA - 3rd STREET	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	PARTIAL 3R
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN (BUILT-UP)
TERRAIN	ROLLING
ACCESS CONTROL	NONE

DESIGN DATA - KINSER PIKE	
DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	PARTIAL 3R
FUNCTIONAL CLASSIFICATION	MINOR COLLECTOR
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	ROLLING
ACCESS CONTROL	NONE



CITY OF BLOOMINGTON
APPROVED:
BOARD OF PUBLIC WORKS

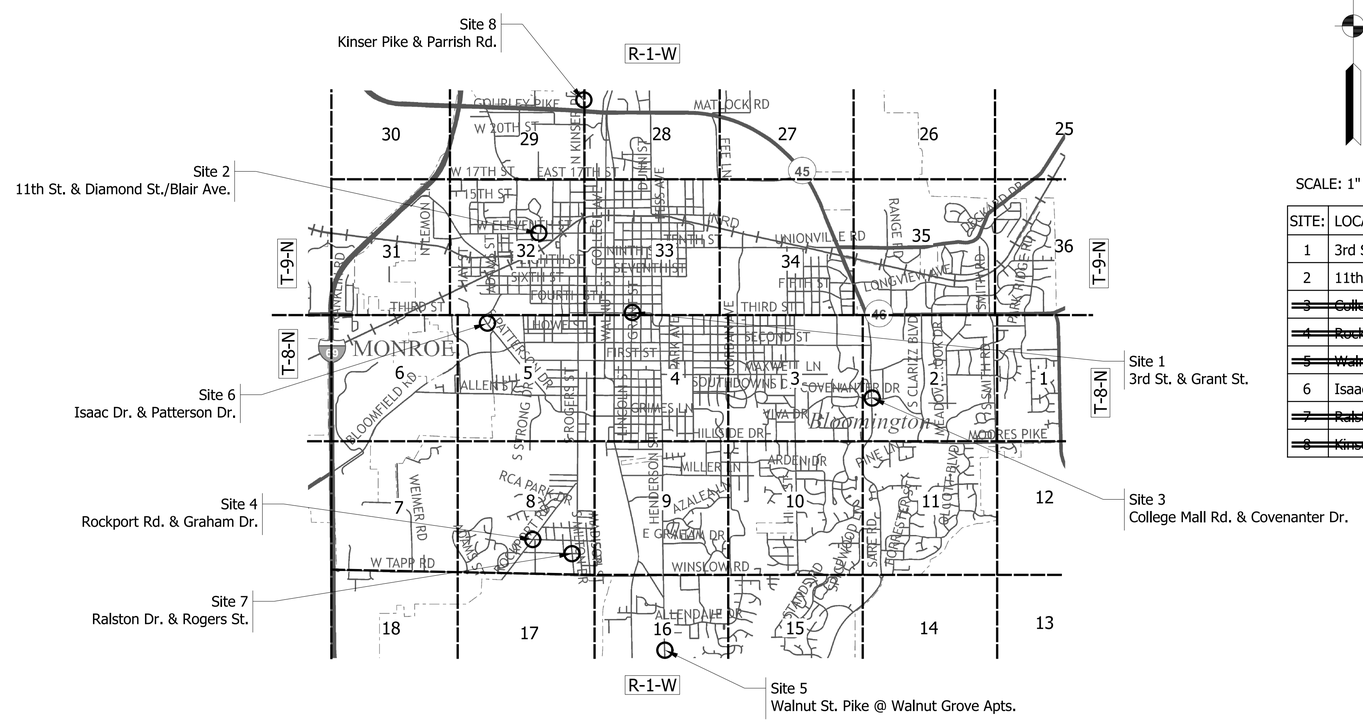
Dana Henke, President — Date 10·22·2021

Beth Hollingsworth, Vice President — Date 10·22·2021

Kyla Cox Deckard, Secretary — Date 10·22·2021

APPROVED:
EMPLOYEE OF RESPONSIBLE CHARGE

Neil Kopper, PE
Senior Project Engineer — Date 10-26-2021



SCALE: 1" = 3000'

SITE:	LOCATION:	LATITUDE:	LONGITUDE:
1	3rd Street and Grant Street	39°09'52.48"N	86°31'47.45"W
2	11th Street and Diamond Street/Blair Avenue	39°10'23.72"N	86°32'38.33"W
~~3~~	~~College Mall Road and Covenanter Drive~~	~~39°09'18.55"N~~	~~86°29'51.84"W~~
~~4~~	~~Rockport Road and Graham Drive~~	~~39°08'23.56"N~~	~~86°32'42.80"W~~
~~5~~	~~Walnut Street Pike at Walnut Grove Apartments~~	~~39°07'39.67"N~~	~~86°31'36.40"W~~
6	Isaac Drive and Patterson Drive	39°09'48.84"N	86°33'04.99"W
~~7~~	~~Ralston Drive and Rogers Street~~	~~39°08'17.99"N~~	~~86°32'18.65"W~~
~~8~~	~~Kinser Pike and Parrish Road~~	~~39°11'15.63"N~~	~~86°32'15.85"W~~

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

STRAND ASSOCIATES®

MARC A. RAPP
REGISTERED NO. 19800062
STATE OF INDIANA
PROFESSIONAL ENGINEER

PLANS PREPARED BY: STRAND ASSOCIATES, INC. (812)372-9911
850 WASHINGTON ST., COLUMBUS, IN 47201 PHONE NUMBER
CERTIFIED BY: 9/27/2021 DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE NO.
N/A
DESIGNATION
1700976

SURVEY BOOK	SHEETS		
ELECTRONIC	1	of	15
CONTRACT	PROJECT		
R-40337	1700976		

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UTILITIES

TELECOMMUNICATIONS

AT & T
4517 E. INDIANA BELL CT.
BLOOMINGTON, IN 47408
ATTN: RUSSELL OWEN
PHONE: (812) 606-2973
EMAIL: RO1325@att.com

ZAYO GROUP
9209 CASTLEGATE DRIVE
INDIANAPOLIS, IN 46256
ATTN: WAYLON HIGGINS
PHONE: (765) 341-1199
EMAIL: Waylon.higgins@zayo.com

COMCAST
1600 WEST FOUNTAIN DRIVE
BLOOMINGTON, IN 47404
ATTN: RICHARD MILLER
PHONE: (317) 945-2670
EMAIL: Richard_Miller3@cable.comcast.com

GAS

VECTREN
8399 ZIONSVILLE ROAD
INDIANAPOLIS, IN 46268
ATTN: MOSTAFA KHALLAD
PHONE: (765) 287-2150
EMAIL: Mostafa.khallad@centerpointenergy.com

ELECTRIC

DUKE ENERGY - DISTRIBUTION
571 MONON TRAIL, SUITE 200
CARMEL, IN 46032
ATTN: LUKE EDMONDSON
PHONE: (317) 804-3885
EMAIL: Luke.edmondson@leidos.com

WATER, SANITARY SEWER AND STORM SEWER

CITY OF BLOOMINGTON UTILITIES
600 EAST MILLER DRIVE
BLOOMINGTON, IN 47402
ATTN: JANE FLEIG
PHONE: (812) 349-3631
EMAIL: fleigj@bloomington.in.gov

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 work on water, sanitary sewer and storm sewer shall conform to the Construction Specifications for City of Bloomington Utilities.
**	At locations where "Grade To Drain" is noted, Contractor shall complete grading to maintain positive drainage as indicated in the Drawings.

** Denotes General Notes Required

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3	TYPICAL SECTIONS
4	MISCELLANEOUS DETAILS
5	SITE 1 CROSSING, 3rd STREET & GRANT STREET
6	SITE 1 CROSSING, CURB RAMP DETAILS
7	SITE 2 CROSSING, 11th STREET & DIAMOND STREET/BLAIR AVENUE
8	SITE 2 CROSSING, CURB RAMP DETAILS
9	SITE 6 CROSSING, ISAAC DRIVE & PATTERSON DRIVE
10	SITE 1 CROSSING, VEHICULAR MOT
11	SITE 1 CROSSING, PEDESTRIAN MOT
12	SITE 2 CROSSING, PEDESTRIAN MOT
13	SITE 6 CROSSING, PEDESTRIAN MOT
14-15	MISCELLANEOUS TABLES

REVISIONS

SHEET NO.	DATE	REVISED

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	LOCATION
12	1430060.2410	3105723.4300	814.404	PMAG	SITE 2, NORTHBOUND BLAIR AVE., NORTH OF INTERSECTION
13	1429982.5490	3105612.4390	819.543	PMAG	SITE 2, NORTHBOUND DIAMOND ST., SOUTH OF INTERSECTION
18	1426844.4330	3109807.9310	756.731	PRE	SITE 1, SOUTH SIDE OF 3RD ST., EAST OF INTERSECTION WITHIN GRASS
19	1426932.5700	3109680.2040	750.258	PMAG	SITE 1, SOUTHBOUND GRANT ST., NORTH OF INTERSECTION
4349	1426836.8620	3109585.0730	748.223	PMAG	SITE 1, SOUTH SIDE OF 3RD ST., WEST OF INTERSECTION WITHIN SIDEWALK
7815	1426470.4540	3103536.7220	792.980	PRE BYNUMFANYO	SITE 6, WEST OF PATTERSON DR., NW OF NW INTERSECTION QUADRANT

MARC A. RAPE
REGISTERED
NO. 19800062
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: MAR | DRAWN: ACB
CHECKED: SWW | CHECKED: MAR

INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND INDEX

HORIZONTAL SCALE	BRIDGE FILE NO.
N/A	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	2 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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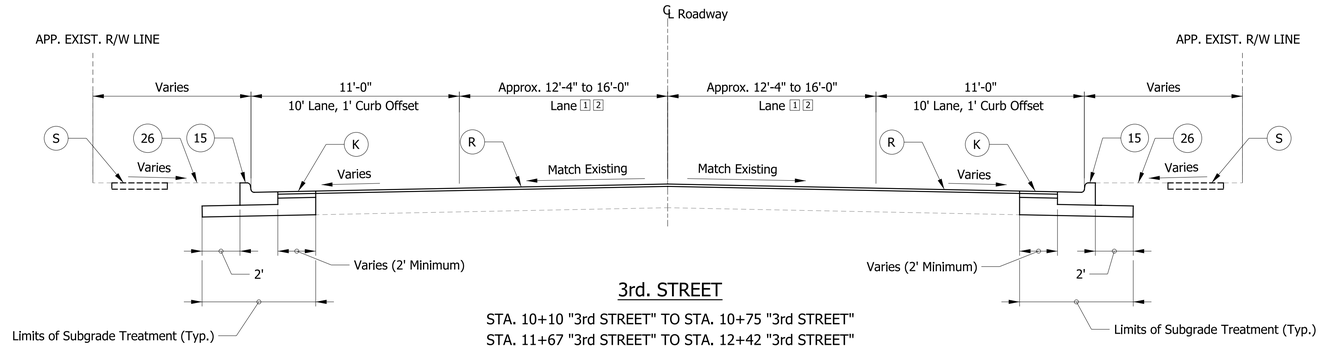


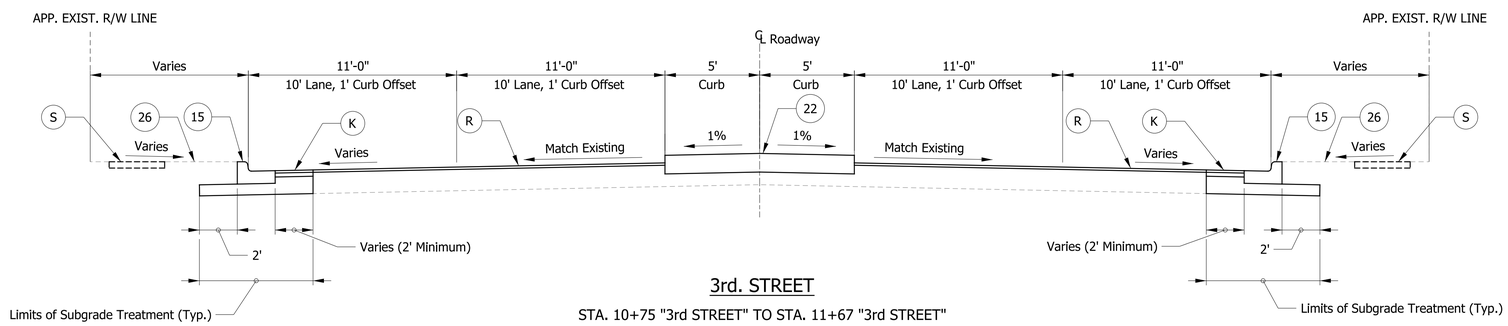
3rd. STREET

STA. 10+10 "3rd STREET" TO STA. 10+75 "3rd STREET"
STA. 11+67 "3rd STREET" TO STA. 12+42 "3rd STREET"

1 Transition from 12'-7" at Sta. 10+10 "3rd STREET" to 16'-0" at Sta. 10+75 "3rd STREET"
2 Transition from 16'-0" at Sta. 11+67 "3rd STREET" to 12'-4" at Sta. 12+42 "3rd STREET"

LEGEND

- (K) Full Depth HMA Widening, Type B:
  165#/SYD. HMA Surface, 9.5 mm on
  275#/SYD. HMA Intermediate, 19.0 mm on
  880#/SYD. HMA Base, 25.0 mm on
  INDOT Subgrade Treatment Type 1D
- (R) HMA Resurface
- (S) Existing Sidewalk
- (22) Concrete Center Curb, TYPE C
- (15) Modified Combined Concrete Curb and Gutter (Vertical)
- (26) Sodding, Nursery



3rd. STREET

STA. 10+75 "3rd STREET" TO STA. 11+67 "3rd STREET"

MARC A. RAPE
REGISTERED
NO.
19800062
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	Marc A Rape — DESIGN ENGINEER	9/27/2021 — DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: SWW	DRAWN: ELS		TYPICAL CROSS SECTIONS
CHECKED: MAR	CHECKED: MAR		

HORIZONTAL SCALE	BRIDGE FILE NO.
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION NO.
1/4" = 1'-0"	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	3 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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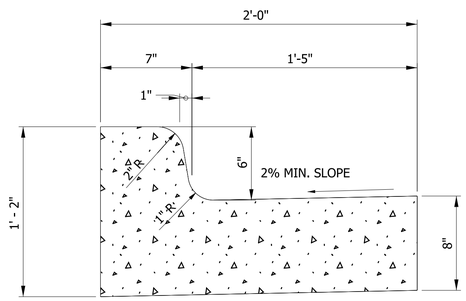
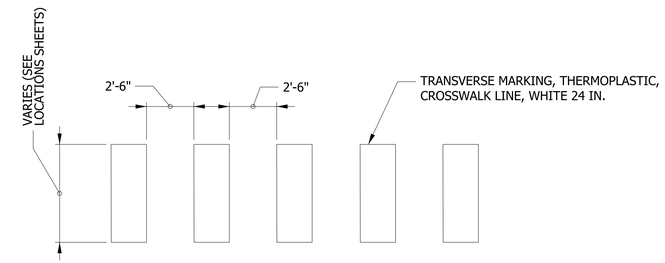


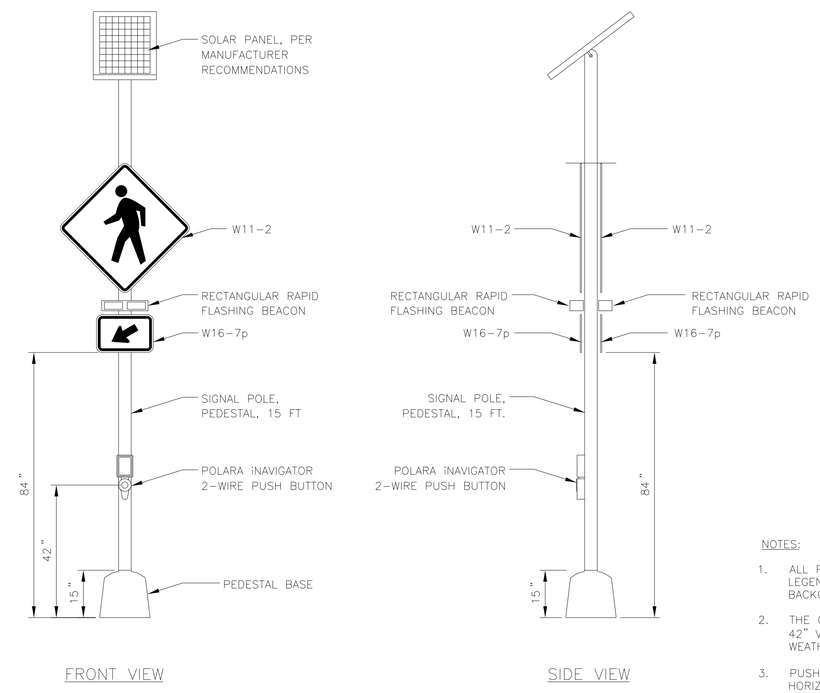
MODIFIED COMBINED CONCRETE CURB AND GUTTER (VERTICAL)

No Scale



CROSSWALK LINE MARKING

No Scale



NOTES:

1. ALL PEDESTRIAN WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON A FLORESCENT YELLOW-GREEN BACKGROUND.
2. THE CENTER OF THE PUSH BUTTON SHALL BE INSTALLED 42" VERTICALLY ABOVE THE ACCESSIBLE PEDESTRIAN ALL WEATHER SURFACE.
3. PUSH BUTTONS SHALL BE INSTALLED WITHIN A 10" HORIZONTAL REACH OF THE ACCESSIBLE PEDESTRIAN ALL WEATHER SURFACE.

RECTANGULAR RAPID FLASHING BEACON (RRFB)

No Scale

MARC A. RAPE REGISTERED NO. 19800062 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW | DRAWN: ELS

CHECKED: MAR | CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE NO.
N/A	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	4 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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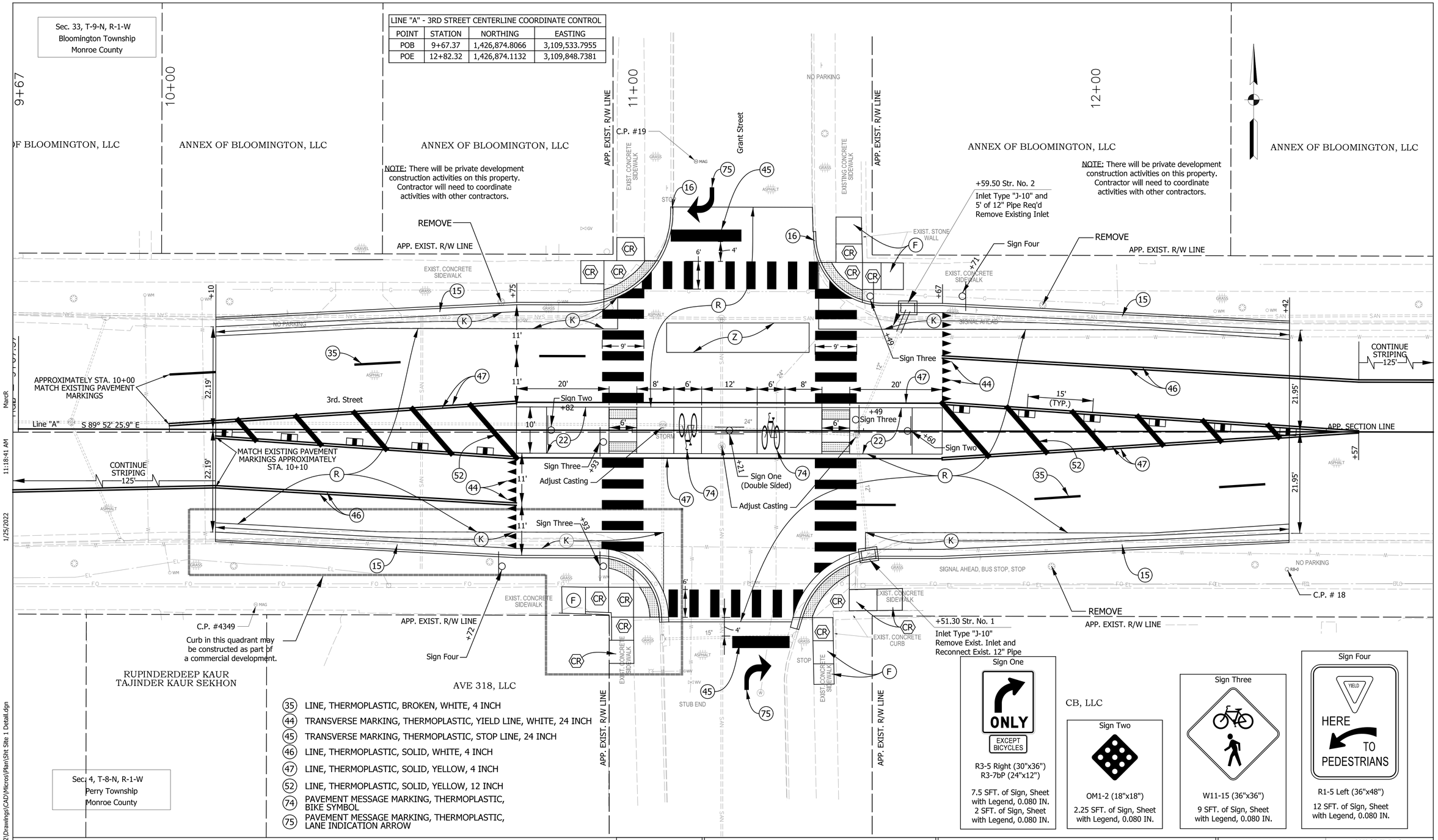
Sec. 33, T-9-N, R-1-W
Bloomington Township
Monroe County

LINE "A" - 3RD STREET CENTERLINE COORDINATE CONTROL			
POINT	STATION	NORTHING	EASTING
POB	9+67.37	1,426,874.8066	3,109,533.7955
POE	12+82.32	1,426,874.1132	3,109,848.7381



(35) LINE, THERMOPLASTIC, BROKEN, WHITE, 4 INCH
(44) TRANSVERSE MARKING, THERMOPLASTIC, YIELD LINE, WHITE, 24 INCH
(45) TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 24 INCH
(46) LINE, THERMOPLASTIC, SOLID, WHITE, 4 INCH
(47) LINE, THERMOPLASTIC, SOLID, YELLOW, 4 INCH
(52) LINE, THERMOPLASTIC, SOLID, YELLOW, 12 INCH
(74) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, BIKE SYMBOL
(75) PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW

Sign One

R3-5 Right (30"x36")
R3-7bP (24"x12")

7.5 SFT. of Sign, Sheet with Legend, 0.080 IN.
2 SFT. of Sign, Sheet with Legend, 0.080 IN.

Sign Two

OM1-2 (18"x18")

2.25 SFT. of Sign, Sheet with Legend, 0.080 IN.

Sign Three

W11-15 (36"x36")

9 SFT. of Sign, Sheet with Legend, 0.080 IN.

Sign Four

R1-5 Left (36"x48")

12 SFT. of Sign, Sheet with Legend, 0.080 IN.

LEGEND

- DETECTABLE WARNING SURFACE
- (CR) CURB RAMP, CONCRETE
- (F) CONCRETE SIDEWALK
- (C) 6 IN. PCCP FOR DRIVEWAYS
- (K) FULL DEPTH HMA WIDENING: 275 #/SY HMA INTERMEDIATE, TYPE B on 880 #/SY HMA BASE, TYPE B
- (R) HMA RESURFACE: 1-1/2" SURFACE MILLING 165#/SY QC/Q-HMA, 3, 64, SURFACE
- (Z) HMA PATCHING, TYPE B (SAME LAYERS AS "K")
- (15) MODIFIED COMBINED CONCRETE CURB AND GUTTER (VERTICAL)
- (16) CONCRETE CURB (VERTICAL)
- (22) CONCRETE CENTER CURB, TYPE C
- RAISED PAVEMENT MARKER (SNOWPLOWABLE)

MARC A. RAPE
REGISTERED
NO. 19800062
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW | DRAWN: SWW
CHECKED: MAR | CHECKED: MAR

INDIANA
DEPARTMENT OF TRANSPORTATION

SITE 1
3rd STREET & GRANT STREET

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	5 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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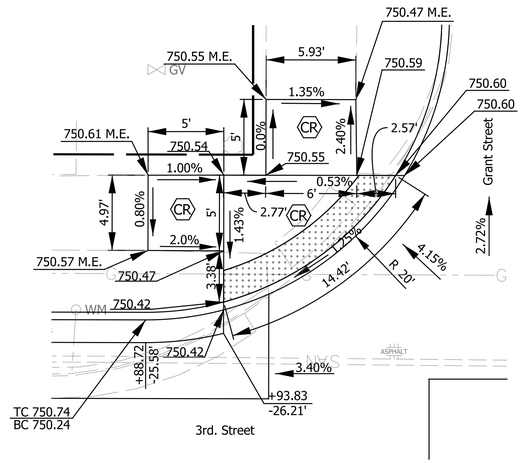
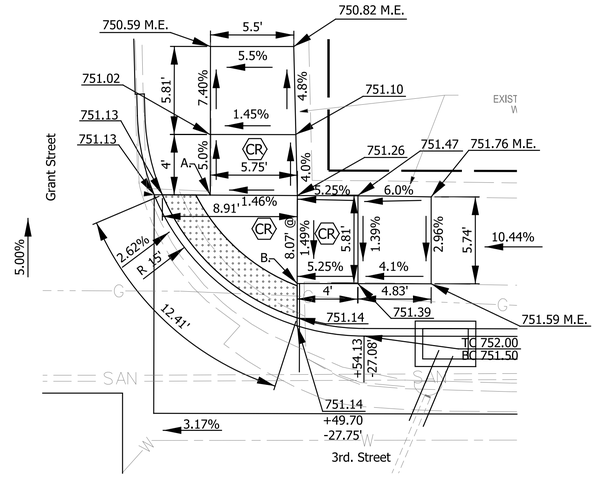
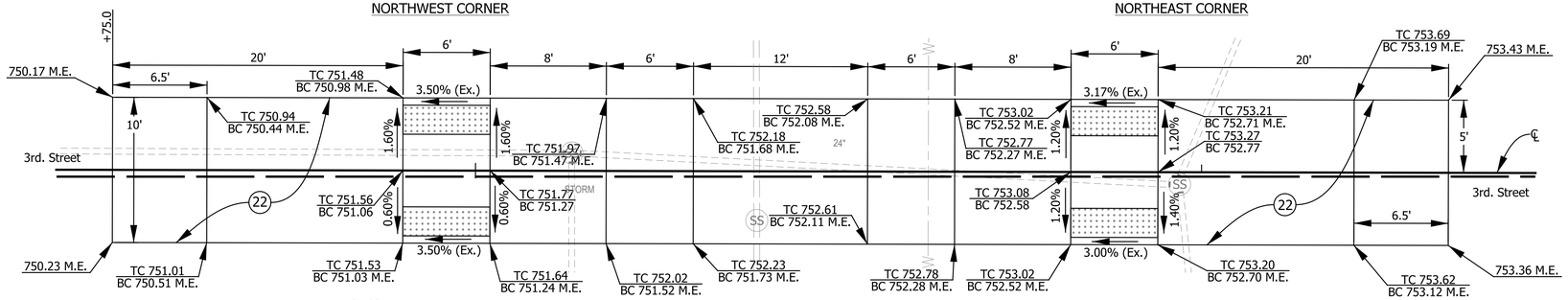
Note: Turning Space is provided



NORTHWEST CORNER



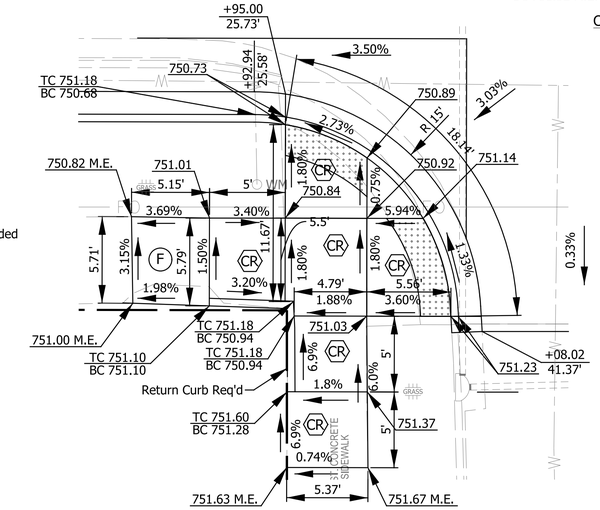
NORTHEAST CORNER



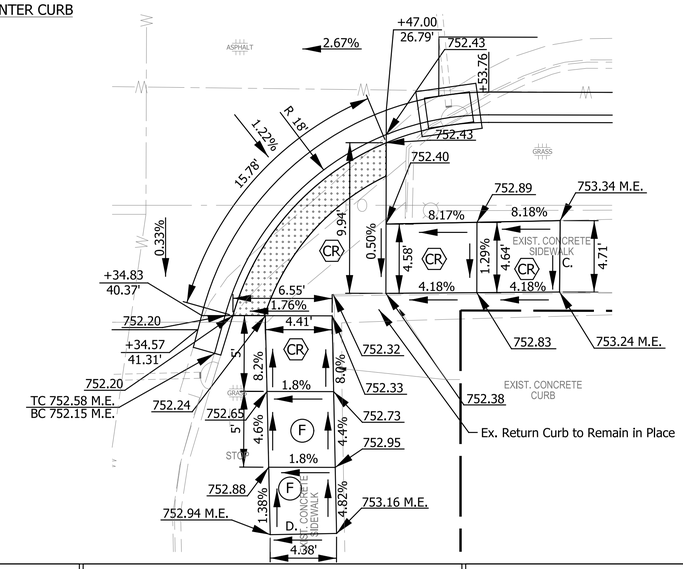
CONCRETE CENTER CURB

A.	- 751.17
B.	- 751.17
C.	- 2.12% ME
D.	- 5.02% ME

Note: Turning Space is provided



SOUTHWEST CORNER



SOUTHEAST CORNER

LEGEND

- DETECTABLE WARNING SURFACE
- CR CURB RAMP, CONCRETE
- F CONCRETE SIDEWALK
- 22 CONCRETE CENTER CURB, TYPE C

MARC A. RAPE REGISTERED NO. 19800062 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW | DRAWN: SWW

CHECKED: MAR | CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

SITE 1 - CURB RAMP DETAILS
3rd STREET & GRANT STREET

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	6 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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Sign One

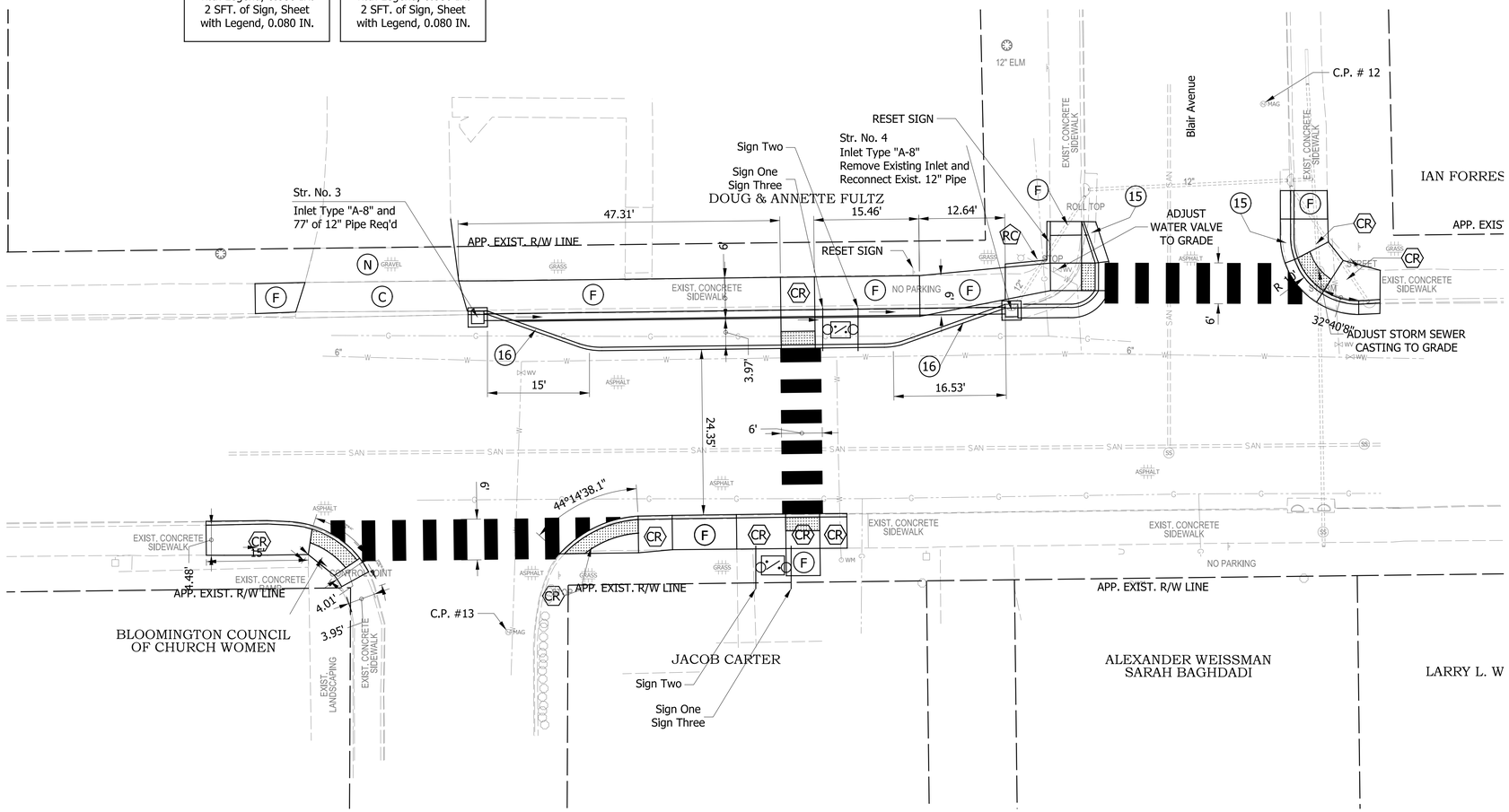
9 SFT. of Sign, Sheet with Legend, 0.080 IN.
2 SFT. of Sign, Sheet with Legend, 0.080 IN.

Sign Two

W11-2 (36"x36")
W16-7P Left (24"x12")
9 SFT. of Sign, Sheet with Legend, 0.080 IN.
2 SFT. of Sign, Sheet with Legend, 0.080 IN.

Sign Three

R10-25 (9"x12")
0.75 SFT. of Sign, Sheet with Legend, 0.080 IN.



DETECTABLE WARNING SURFACE

CURB RAMP, CONCRETE

(F)

(C) 6 IN. PCCP FOR DRIVEWAYS

(15) MODIFIED COMBINED CONCRETE CURB AND GUTTER (VERTICAL)

(16) CONCRETE CURB (VERTICAL)

(N) COMPACTED AGGREGATE, NO. 53 (6 INCH DEPTH)

(RC) RETURN CURB

RECTANGULAR RAPID FLASH BEACON (DOUBLE SIDED)

MARC A. RAPE
REGISTERED
NO. 19800062
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW | DRAWN: SWW

CHECKED: MAR | CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

SITE 2 CROSSING

11th ST. & DIAMOND ST. / BLAIR AVE.

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	7 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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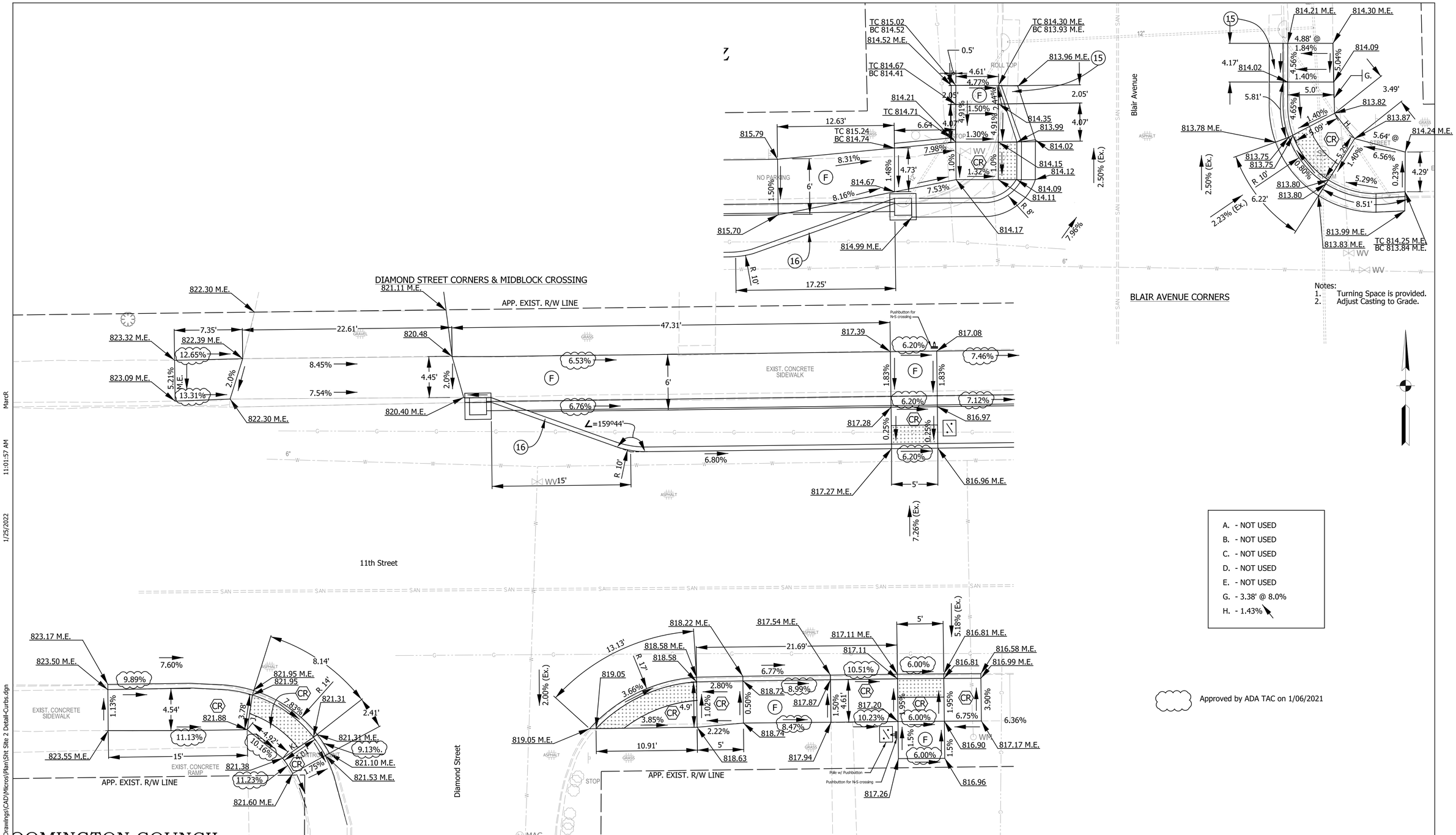

Notes:
1. Turning Space is provided.
2. Adjust Casting to Grade.

A. - NOT USED
B. - NOT USED
C. - NOT USED
D. - NOT USED
E. - NOT USED
G. - 3.38' @ 8.0%
H. - 1.43%

Approved by ADA TAC on 1/06/2021

LEGEND

- DETECTABLE WARNING SURFACE
- (CR) CURB RAMP, CONCRETE
- (F) CONCRETE SIDEWALK
- (15) MODIFIED COMBINED CONCRETE CURB AND GUTTER (VERTICAL)
- (16) STANDARD HEADER CURB
- RECTANGULAR RAPID FLASH BEACON (DOUBLE SIDED)

MARC A. RAPE REGISTERED NO. 19800062 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW | DRAWN: SWW
CHECKED: MAR | CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

SITE 2 CURB RAMP DETAILS
11th ST. & DIAMOND ST. / BLAIR AVE.

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	8 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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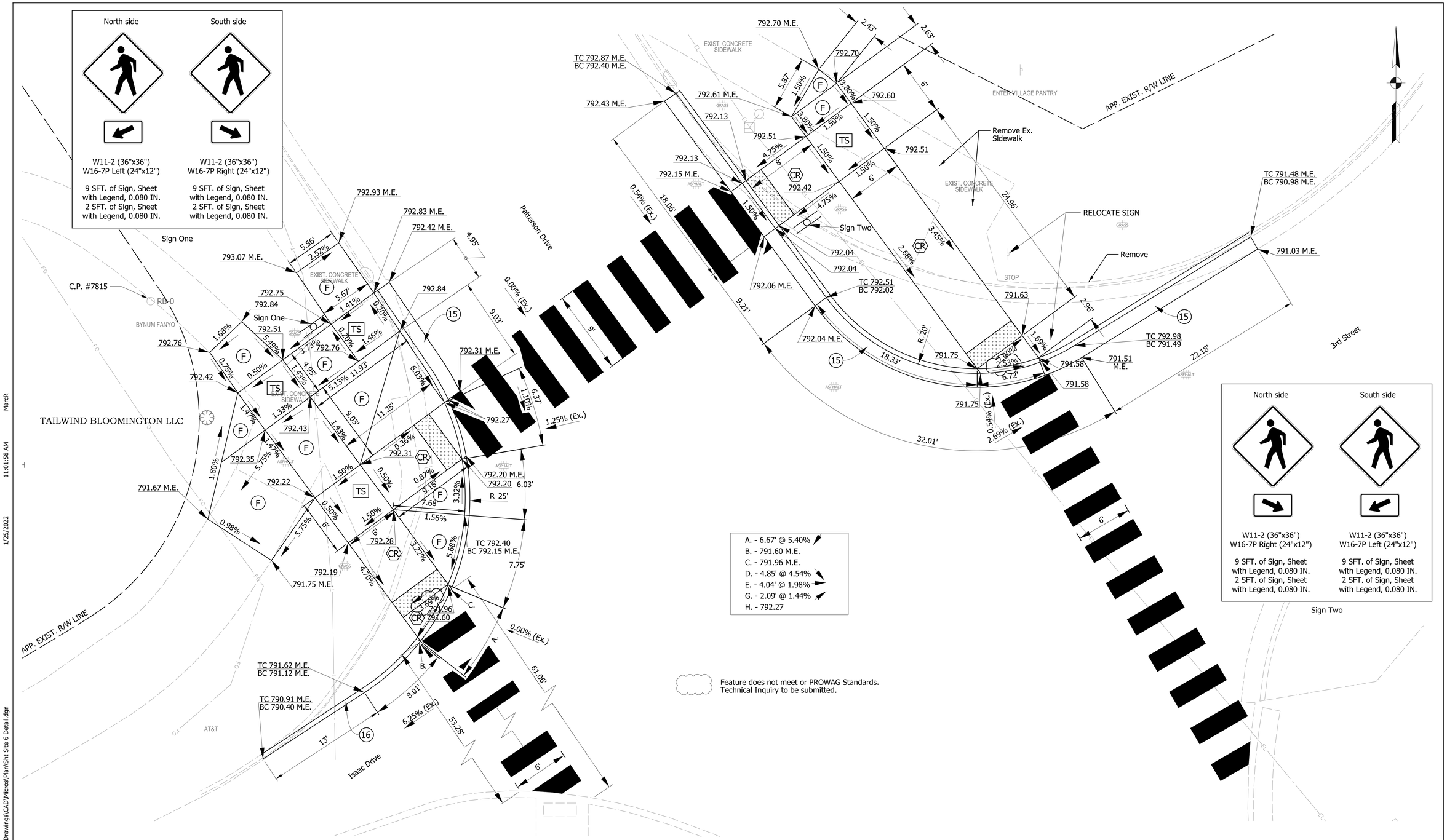

LEGEND

- DETECTABLE WARNING SURFACE
- CR CURB RAMP, CONCRETE
- F CONCRETE SIDEWALK
- TS TURNING SPACE
- 15 MODIFIED COMBINED CONCRETE CURB AND GUTTER (VERTICAL)
- 16 CONCRETE CURB VERTICAL

MARC A. RAPP REGISTERED NO. 19800062 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 9/27/2021

DESIGNED: SWW DRAWN: SWW

CHECKED: MAR CHECKED: MAR

INDIANA DEPARTMENT OF TRANSPORTATION

SITE 6 CROSSING
ISAAC DRIVE & PATTERSON DRIVE

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	9 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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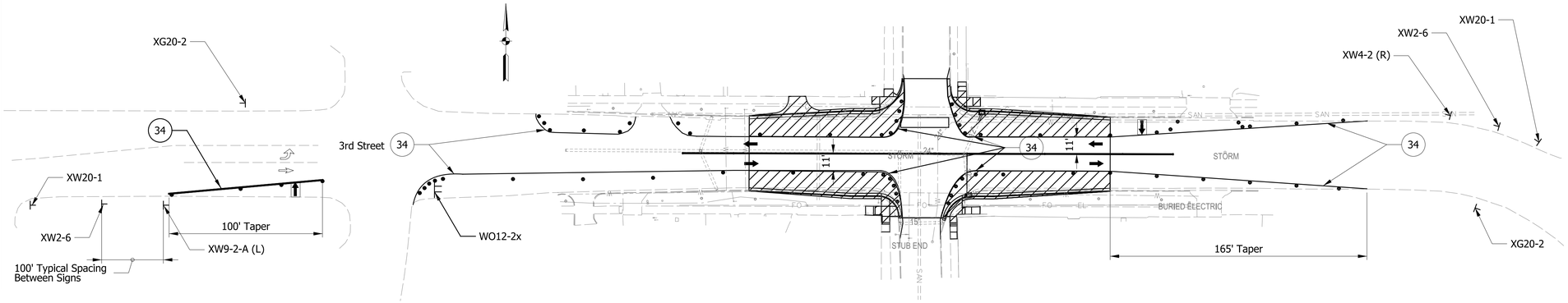
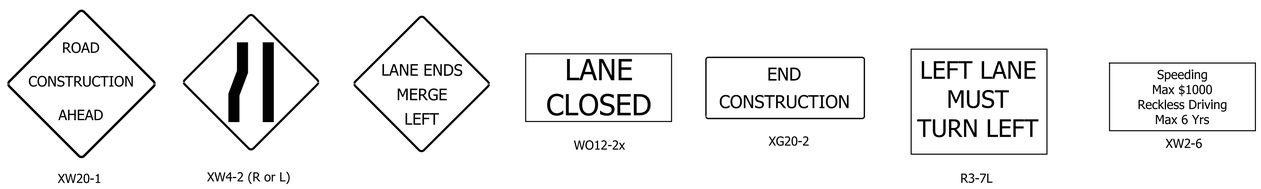
PHASE I





MAINTENANCE OF TRAFFIC OPERATIONS

Phase I: Construct Outside Lanes.

Construct Curb Ramps.

Phase II: Construct Pedestrian Refuge Island.

Mill, Patching, and Resurface

NOTE:

1. Milling, Patching, and Resurfacing operations to be completed under flagging.

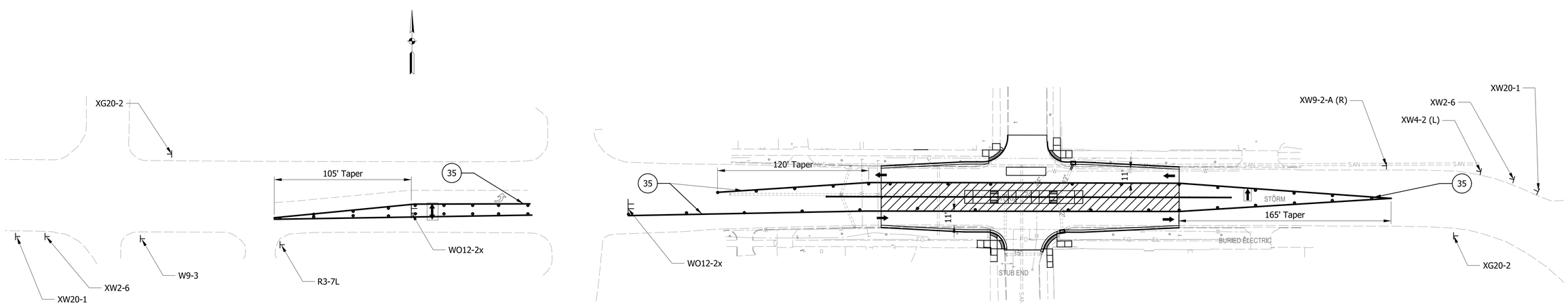
2. Maintain centerline during Phase I.

3. Speed limit 30 MPH during construction.

LEGEND

- Construction Signs
- Channelization Drum
- Barricade Type III-B
- (34) Temporary Pavement Marking, Removable, White, 4 in
- (35) Temporary Pavement Marking, Removable, Yellow, 4 in
- Direction of Traffic Flow
- Phase I Construction
- Flashing Arrow Sign

PHASE II



MARC A. RAPE
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NO. 19800062
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DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
SITE 1

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	10 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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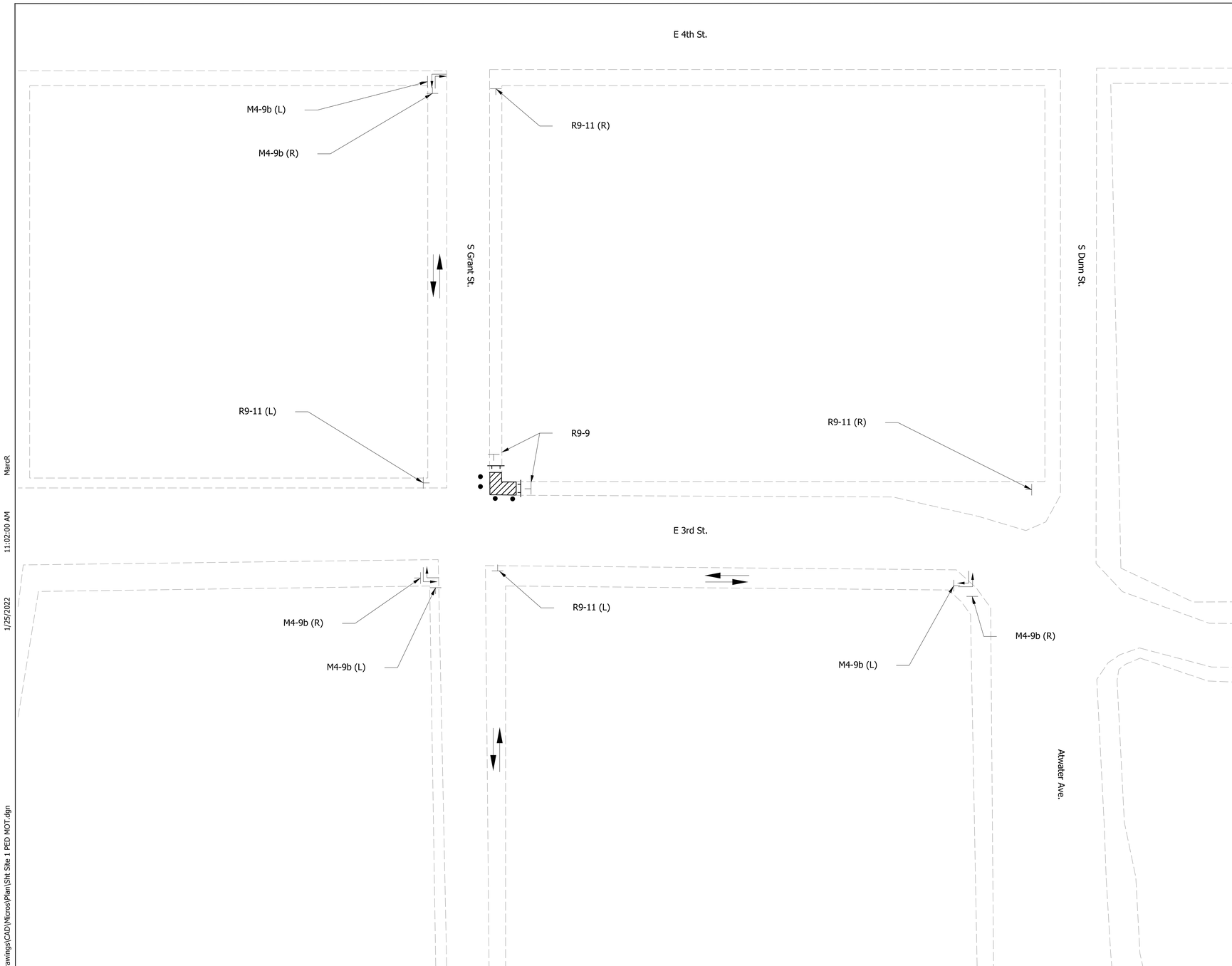

LEGEND

- Construction Area
- Construction Sign
- Barricade, Type III-A
- Channelization Drum

NOTES:

1. All crossings are located at existing intersections or existing curb ramps.
2. Both ramps on the same side of 3rd Street can be closed concurrently, but ramp work can only occur on one side of 3rd Street at any time.
3. The signage shown is typical; to be adjusted for each ramp. Mod. R9-10 to be placed where detour not available.

DURING SIDEWALK CLOSURE
CALL 1-XXX-XXX-XXXX
FOR MOBILITY ASSISTANCE

MOD. R9-10
(Type D)

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INDIANA
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOT - SITE 1
3rd STREET & GRANT STREET

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	11 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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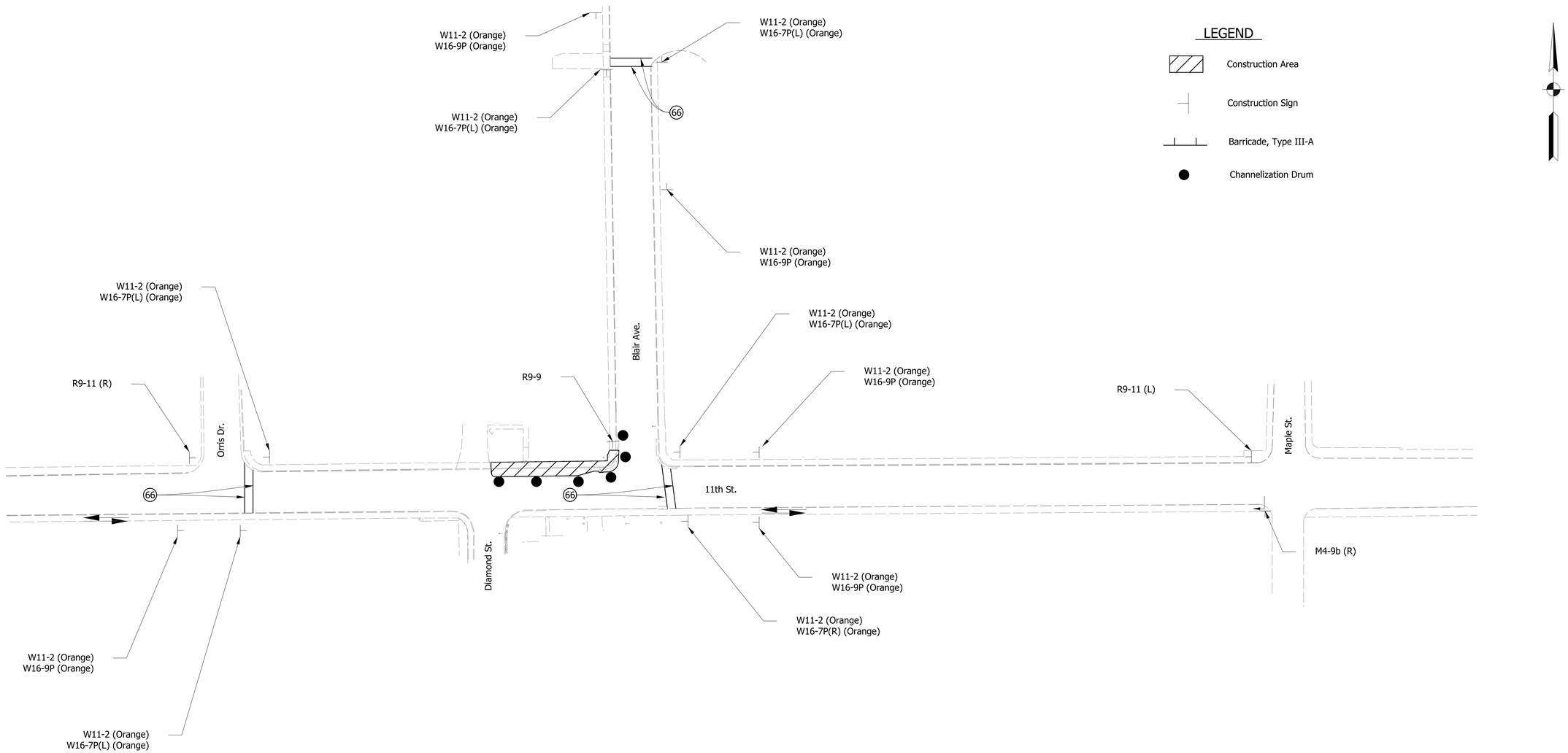

LEGEND

- Construction Area
- Construction Sign
- Barricade, Type III-A
- Channelization Drum

66 Temporary Pavement Marking, Removable, Crosswalk Line, White, 6 Inch

DURING SIDEWALK CLOSURE
CALL 1-XXX-XXX-XXXX
FOR MOBILITY ASSISTANCE

MOD. R9-10

(Type D)

NOTES:

1. All crossings are located at existing intersections or existing curb ramps.
2. Only one ramp to be closed at each intersection at a time.
3. The signage shown is typical; to be adjusted for each ramp. Mod. R9-10 to be placed where detour not available.

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INDIANA
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOT - SITE 2
11th ST. & DIAMOND ST./BLAIR AVE.

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	12 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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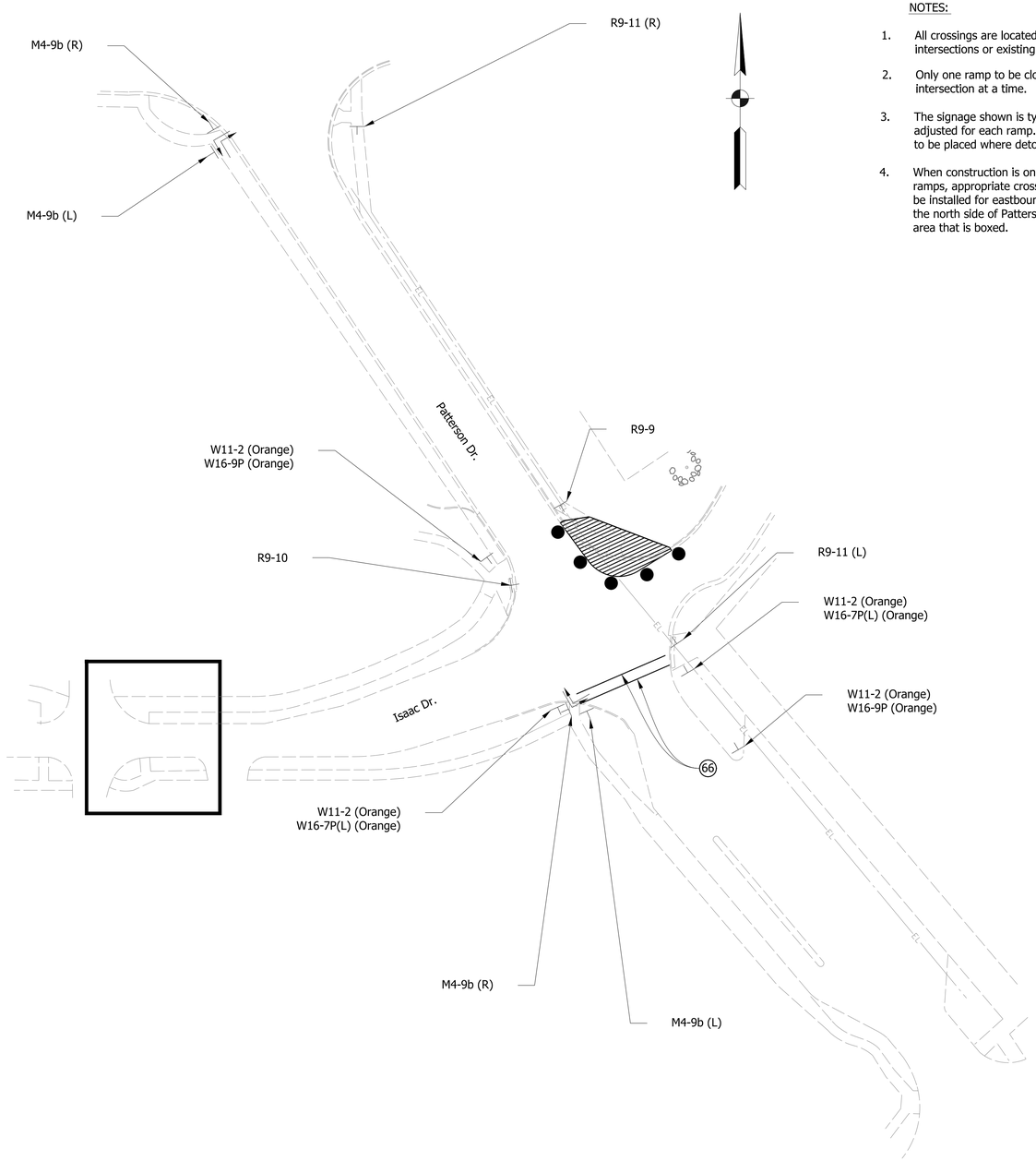
LEGEND

- Construction Area
- Construction Sign
- Barricade, Type III-A
- Channelization Drum
- (66) Temporary Pavement Marking, Removable, Crosswalk Line, White, 6 Inch



NOTES:

1. All crossings are located at existing intersections or existing curb ramps.
2. Only one ramp to be closed at each intersection at a time.
3. The signage shown is typical; to be adjusted for each ramp. Mod. R9-10 to be placed where detour not available.
4. When construction is on the west side ramps, appropriate crossing signage shall be installed for eastbound pedestrians on the north side of Patterson Drive in the area that is boxed.

DURING SIDEWALK CLOSURE
CALL 1-XXX-XXX-XXXX
FOR MOBILITY ASSISTANCE

MOD. R9-10
(Type D)

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DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOT - SITE 6
ISAAC DR. & PATTERSON DR.

HORIZONTAL SCALE	BRIDGE FILE NO.
1" = 40'	N/A
VERTICAL SCALE	DESIGNATION NO.
N/A	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	13 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	EXCAVATION		HMA MATERIALS			MILLING, ASPHALT, 1 1/2 IN.	SIDEWALK, CONCRETE	CURB AND GUTTER, CONCRETE	CURB RAMP, CONCRETE	PCCP FOR APPROACHES, 6 IN.	DENSE GRADED SUBBASE	SUBGRADE TREATMENT		COMPACTED AGGREGATE. NO. 53
							PATCHING, FULL DEPTH	WIDENING WITH HMA	QC-QA-HMA, SURFACE 9.5 mm									
							TYPE, B	TYPE, B	4, 76									
							LBS. PER SYD.									TYPE	TYPE	
					CUT	FILL	1430	1430	165							IC	II	
		FT	FT	FT	CYS	CYS	TON	TON	TON	SYS	SYS	LFT	SYS	SYS	TON	SYS	SYS	TON
SITE 1					240.9		15.6	89.5	97.0	1175.6	12.3	389.6	70.1	0.0	0.0	314.0	0.0	34.0
SITE 2					21.2		0.0	0.0	0.0	0.0	54.0	55.0	51.4	14.0	4.7	61.3	14.0	4.0
SITE 6					28.9		0.0	0.0	0.0	0.0	53.6	95.0	38.8	0.0	0.0	56.3	0.0	0.0
PAY TOTAL					291	0	16	90	97	1176	120	540	161	14	5	432	14	39

PAVEMENT MARKINGS

LOCATION	THERMOPLASTIC									SNOWPLOWABLE RAISED PAVEMENT MARKER	DETECTABLE WARNING SURFACES	DETECTABLE WARNING SURFACES, RETROFIT	REMARKS
			TRANSVERSE MARKING										
	PAVEMENT MESSAGE MARKING, BIKE SYMBOL	PAVEMENT MESSAGE MARKING, LANE INDICATION ARROW	STOP LINE, WHITE, 24 IN.	CROSSHATCH LINE, YELLOW, 12 IN.	CROSSWALK LINE, WHITE, 24 IN.	YIELD LINE, WHITE, 36 IN.	LINE, BROKEN, WHITE, 4 IN.	LINE, SOLID, WHITE, 4 IN.	LINE, SOLID, YELLOW, 4 IN.				
	EACH	EACH	LFT	LFT	LFT	LFT	LFT	LFT	LFT	EACH	SYS	SYS	
SITE 1	2	2	27.7	106.7	304.6	36.0	60.0	810.6	825.6	11.0	17.8	0.0	
SITE 2	0	0	0.0	0.0	140.1	0.0	0.0	0.0	0.0	0.0	9.1	0.0	
SITE 6	0	0	0.0	0.0	250.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	
PAY TOTAL	2	2	28	107	695	36	60	811	826	11	33	0	

STRUCTURE DATA TABLE

SITE	STRUCTURE NUMBER	LOCATION				SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	COVER	FLOW LINE		SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL, TYPE 2	STRUCTURAL BACKFILL, TYPE 5	GEOTEXTILES	GRATED BOX END SECTION, TYPE 1	CASTING, ADJUST TO GRADE	REVETMENT RIPRAP	CONCRETE COLLAR	CONNECT TO STR. NO.	REMARKS
		STATION	LEFT	RIGHT	MEDIAN							UPSTREAM	DOWN STREAM													
						(in)			(ft)		(ft)	ELEV.	ELEV.	(yr.)				CYS	CYS	SYS	EA.	EA.	TON	EA.		
1	EX.	11+06.00			X			EX. MANHOLE														1				
	EX.	11+19.00			X			EX. MANHOLE														1				
	EX.	11+49.00			X			EX. MANHOLE														1				
	1	11+51.30		X				INLET J-10				750.32	Unknown	75	NA	7.0									Exist. Pipe	Existing structure to be removed. Proposed structure to be installed and oriented into the proposed curbline and reconnected with existing pipe.
	2	11+59.50	X			12	2	INLET J-10	5.0		3.3	748.85	748.75	75	NA	7.0	1	2.6								Existing structure to be removed and pipe extended at current slope to connect into the proposed structure.
2	3	DIAMOND ST., N				12	2	INLET A-8	77.0		2.5	816.74	813.40	75	NA	7.0	1	32.2							4	
	4	BLAIR AVE., W						INLET A-8				813.35		75	NA	7.0									Exist. Pipe	Existing structure to be removed. Proposed structure to be installed into the proposed curbline and reconnected with existing pipe.
	EX.	BLAIR AVE., E						EX. MANHOLE														1				
Total This Sheet									82									35				4				

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INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

HORIZONTAL SCALE	BRIDGE FILE NO.
NA	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	14 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976

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SHEET SIGN AND POST SUMMARY

LOCATION			SIGN									POST					
SITE	STATION	LT/ MED/ RT	SIGN CODE	REMOVE	RESET	RELOCATE	SIGN SIZE (INCHES)		WITH LEGEND METAL THICKNESS AND AREA (SF)			SQUARE UNREINFORCED ANCHOR 2 1/4" - 12 GA. (TYPE 1) POST LENGTH (FT.)			SIGNAL POLE, PEDESTAL, 12FT	SIGNAL POLE FOUNDATION 24 IN. X 24 IN. X 36 IN.	Comments
				EACH	EACH	EACH	WIDTH	HEIGHT	0.080"	0.100"	0.125"	1	2	TOTAL	EACH	EACH	
1	10+72	RT	R1-5 (L)				36	48	12.00			11.0		11.0			
	10+82	MED	OM1-2				18	18	2.25			8.3		8.3			
	10+93	RT	W11-15				36	36	9.00			11.0		11.0			
	10+93	MED	W11-15				36	36	9.00			11.0		11.0			
	11+21	MED	R3-5 (R)				30	36	7.50			11.0		11.0			
			R3-7bP				24	12	2.00								
			R3-5 (R)				30	36	7.50								
			R3-7bP				24	12	2.00								
	11+49	LT	W11-15				36	36	9.00			11.0		11.0			
	11+49	MED	W11-15				36	36	9.00			11.0		11.0			
	11+60	MED	OM1-2				18	18	2.25			8.3		8.3			
	11+71	LT	R1-5 (L)				36	48	12.00			11.0		11.0			
2	BLAIR, NW		STOP		1												
	BLAIR, NW		NO PARKING		1												
	DIAMOND, SE		W11-2				36	36	9.00								
			W16-7P (L)				24	12	2.00								
			W11-2				36	36	9.00								
			W16-7P (R)				24	12	2.00								
			R10-25				9	12	0.75								
	DIAMOND, NE		W11-2				36	36	9.00								
			W16-7P (L)				24	12	2.00								
			W11-2				36	36	9.00								
			W16-7P (R)				24	12	2.00								
			R10-25				9	12	0.75								
6	W		W11-2				36	36	9.00			11.0		11.0			
			W16-7P (L)				24	12	2.00								
			W11-2				36	36	9.00								
			W16-7P (R)				24	12	2.00								
	N		W11-2				36	36	9.00			11.0		11.0			
			W16-7P (L)				24	12	2.00								
			W11-2				36	36	9.00								
			W16-7P (R)				24	12	2.00								
	N		STOP SIGN			1						11.0		11.0			
PAY TOTAL					2	1			173					127			

MarcR

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INDIANA
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLES

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NA	N/A
VERTICAL SCALE	DESIGNATION NO.
NA	1700976
SURVEY BOOK NO.	SHEETS
ELECTRONIC	15 of 15
CONTRACT NO.	PROJECT NO.
R-40337	1700976