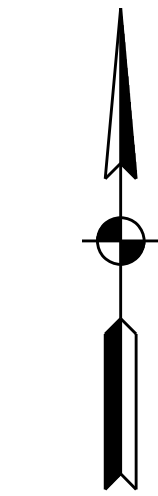
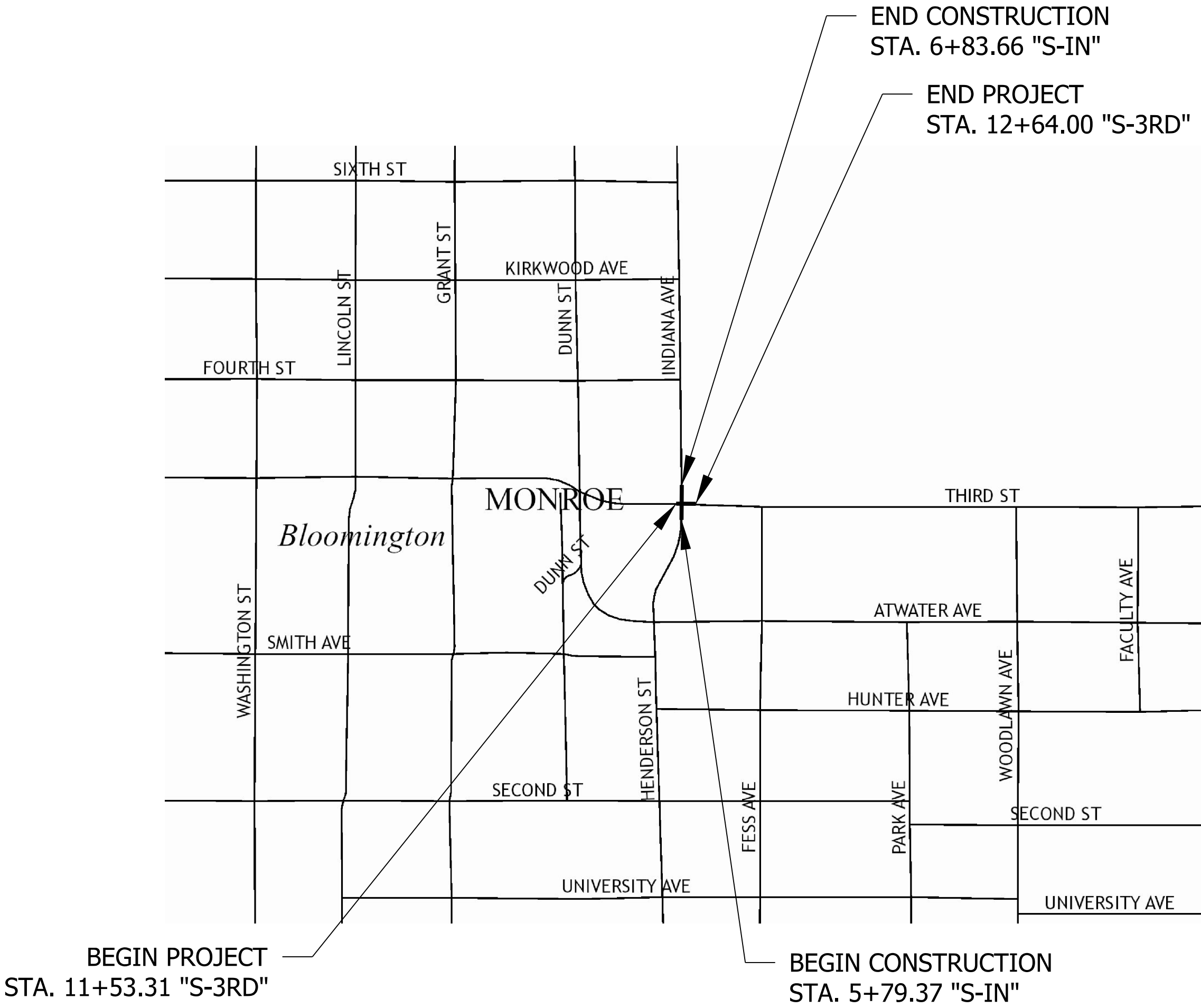


CITY OF BLOOMINGTON, IN

ROAD & SIGNAL PLANS

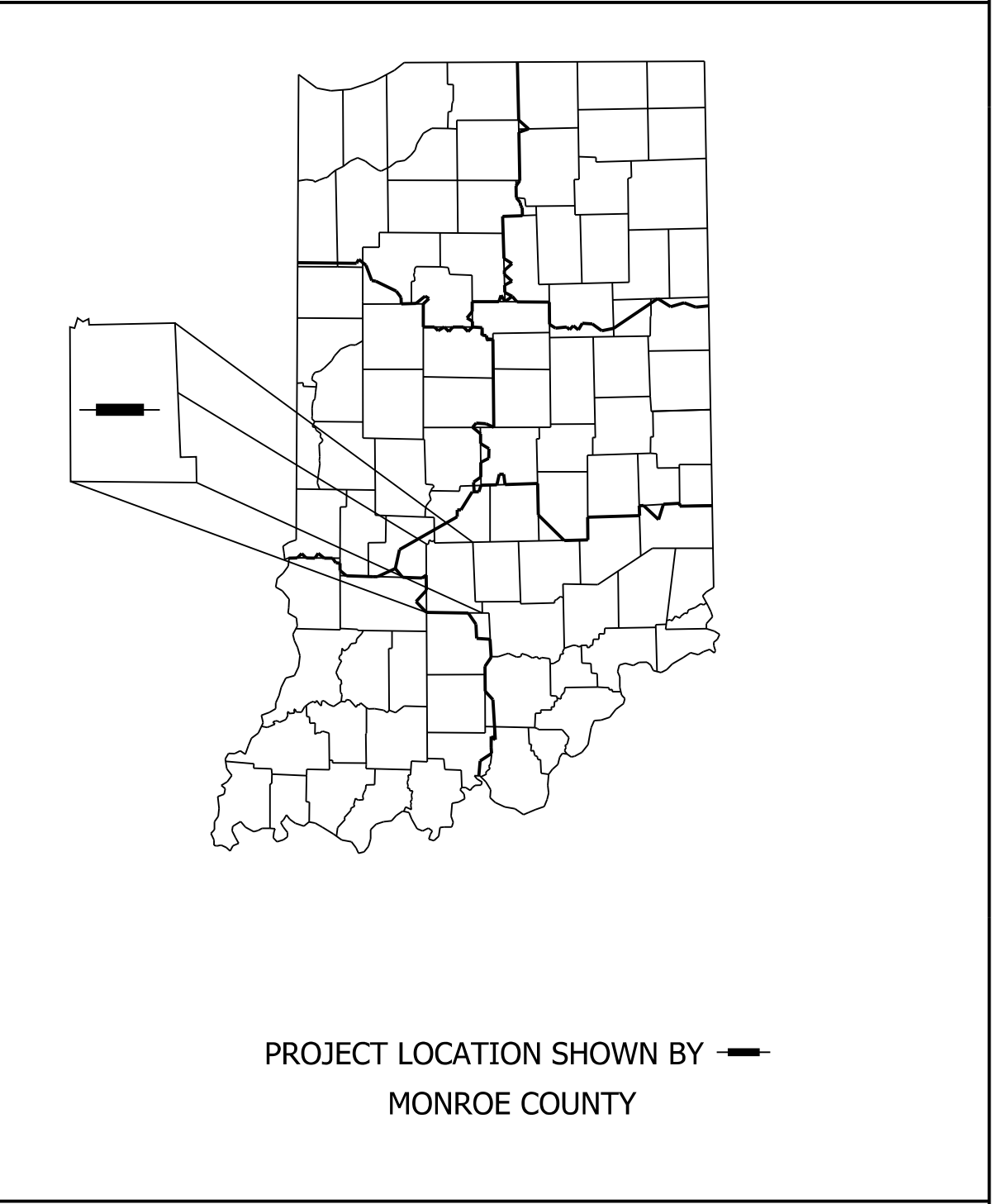
Intersection Improvements at Indiana Ave and 3rd. St.
Bloomington, IN

Located 2.0 Miles West of SR46, In Sections 33 & 4 T-9-N, R-1-W,
Perry Township, Monroe Co., Indiana



SCALE: 1" = 300'

DESIGN DATA		3rd ST.
DESIGN SPEED		25 MPH
PROJECT DESIGN CRITERIA		3R
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE
DESIGN DATA		INDIANA AVE
DESIGN SPEED		30 MPH
PROJECT DESIGN CRITERIA		3R
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE

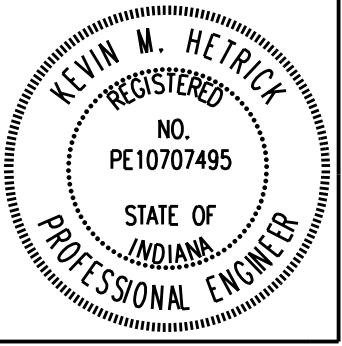


INDIANA AVE & 3RD STREET
LATITUDE: 39°09'51.55" N LONGITUDE 86°31'36.87 W

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS

ClarkDietz
8900 KEYSTONE CROSSING, SUITE 475
INDIANAPOLIS, INDIANA 46240
T:317.844.8900...www.clarkdietz.com

PLANS	Clark Dietz, Inc.
PREPARED BY:	8900 Keystone Crossing, Suite 475, Indianapolis, IN 46240 (317) 844-8900
	PHONE NUMBER
CERTIFIED BY:	9/30/2020 DATE
APPROVED	
FOR LETTING:	City of Bloomington DATE



DESIGNATION		XXXXXX
SURVEY BOOK	SHEETS	
CONTRACT	PROJECT	
XXXXX	XXXXXX	

3:09:58 PM 11/11/2020 P:\B0270060_Bloomington IN - 3rd St. at Indiana Ave\Design\Plans\Misc\Index01.dgn

ClarkDietz

UTILITIES

Communication

AT & T
4517 E. Indiana Bell Court
Bloomington, IN 47408

ATTN: Russel Owen
TEL. : 812-334-4629 (office)
Email: ro1325@att.com

City of Bloomington Utilities

(Water, Sanitary, Storm Sewer)
600 East Miller Drive
Bloomington, IN 47402

ATTN: Jane Fleig
TEL. : 812-349-3631 (office)
Email: fleigj@bloomington.in.gov

Comcast Cable Communication

CABLE TV
1600 West Fountain Drive
Bloomington, IN 47404

ATTN: Steve Mcartor
TEL. : 812-822-3267 (office)
Email: steve_mcartor@cable.comcast.com

ELECTRIC

Duke Energy
3395 Greenbush St.
Lafayette, IN 47905

ATTN: Chuck Walls
TEL. : 765-446-4015 (office)
Email: chuck.walls@duke-energy.com

Communication

Smithville Fiber
1600 W. Temperance St.
Ellettsville, IN 47429

ATTN: Ben Kirk
TEL. : 812-935-2413 (office)
Email: ben.kirk@smithville.com

Communication

US Signal
201 Ionia Ave SW
Grand Rapids, MI 49503

ATTN: Rob Fisher
TEL. : 616-988-5319 (office)
Email: rfisher@tkns.net

GAS

Vectren Energy
4324 Middle Road
Columbus, IN 47203

ATTN: Chris Baldwin
TEL. : 812-348-6710 (office)
Email: cbaldwin@vectren.com

Telecommunication

Zayo Bandwidth
9209 Castlegate Drive
Indianapolis, IN 46256

ATTN: Waylon W. Higgins
TEL. : 765-341-1199 (cell)
Email: waylon.higgins@zayo.com

Street Department

City of Bloomington
1981 S Henderson St.
Bloomington, IN 47401

ATTN: Mike Stinson
TEL. : 812-349-3450 (office)
Email: stinsonm@bloomington.in.gov



Know what's below.
Call before you dig.

GENERAL NOTES

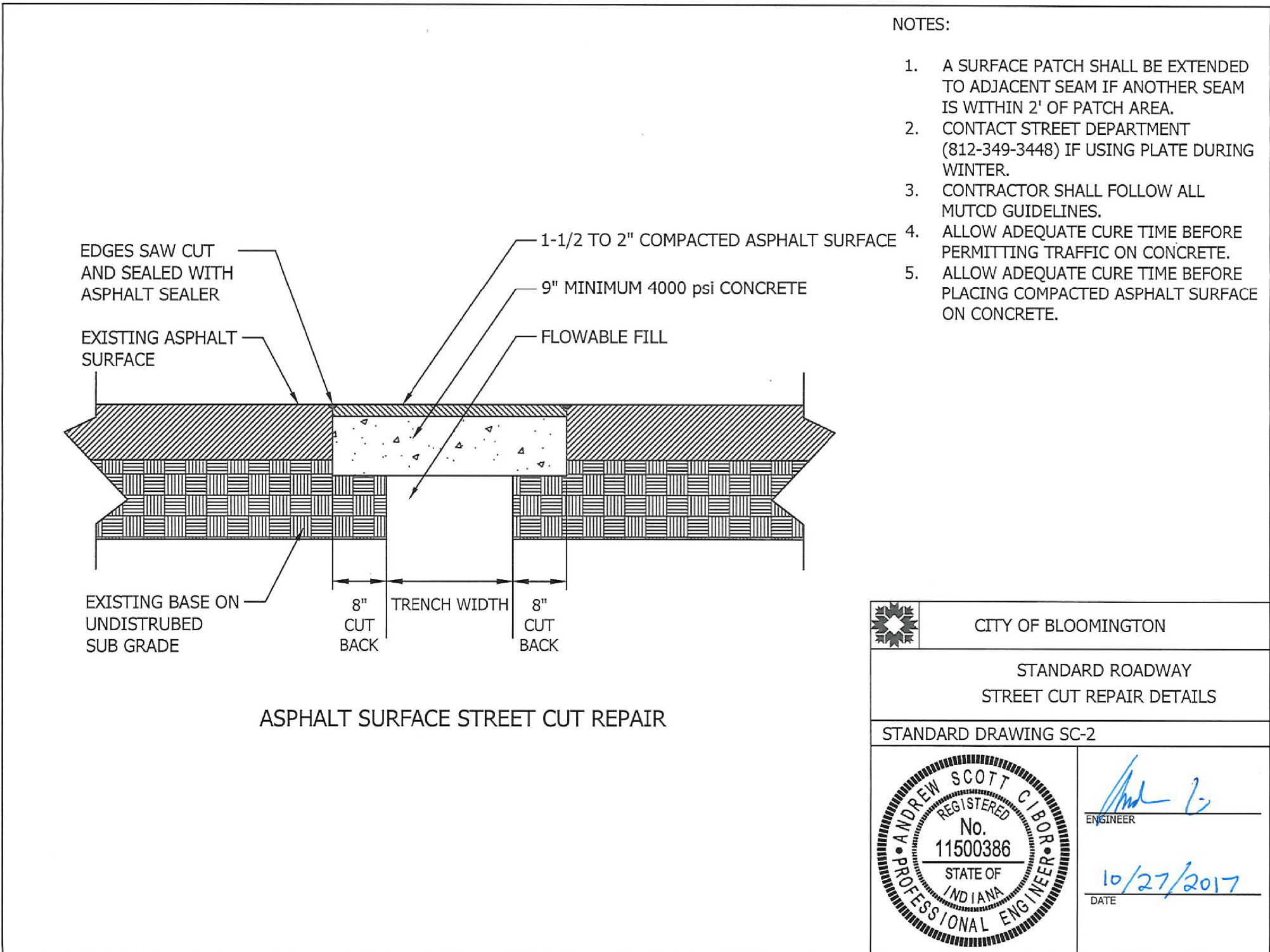
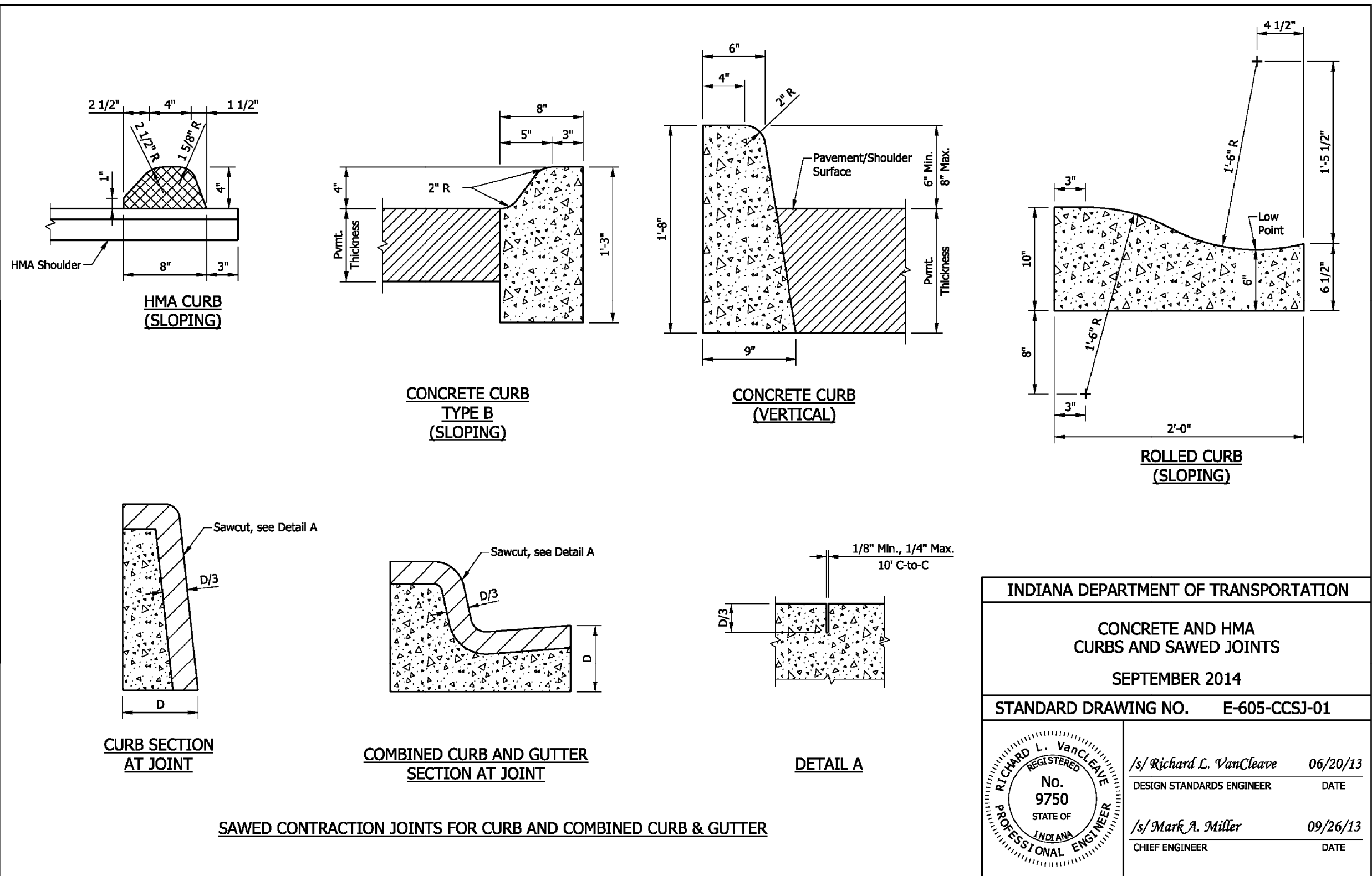
- All earth shoulders, median areas, cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
- The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary 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.

REVISIONS

SHEET NO.	DATE	REV. NO.	REVISED
2,9,10 & 13	11/10/2020	1	Curb and gutter to vertical curb. Added driveway curb ramp to northern project limits.

INDEX

SHEET NO.	DESIGNATION
1	TITLE SHEET
2	GENERAL INFORMATION, STANDARD DRAWINGS & INDEX SHEET
3	LAYOUT
4 - 8	MAINTENANCE OF TRAFFIC
9	PLAN & PROFILE
10	INTERSECTION DETAILS & SPOT ELEVATIONS
11	SIGNING & STRIPING PLAN
12	TRAFFIC SIGNAL PLAN
13	MISCELLANEOUS TABLES



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	9/30/2020
	DESIGN ENGINEER	DATE
DESIGNED: JAJ	DRAWN: JAJ	
CHECKED: KMH	CHECKED: KMH	

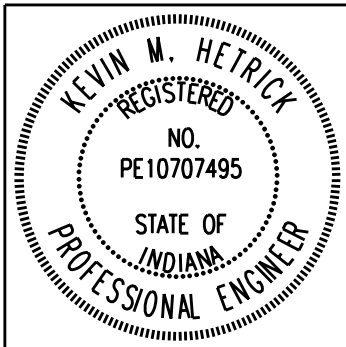
CITY OF BLOOMINGTON, INDIANA

GENERAL INFORMATION,
STANDARD DRAWINGS &
INDEX SHEET

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	XXXXXX
SURVEY BOOK	SHEETS
	2 of 13
CONTRACT	PROJECT
XXXX	XXXXXX

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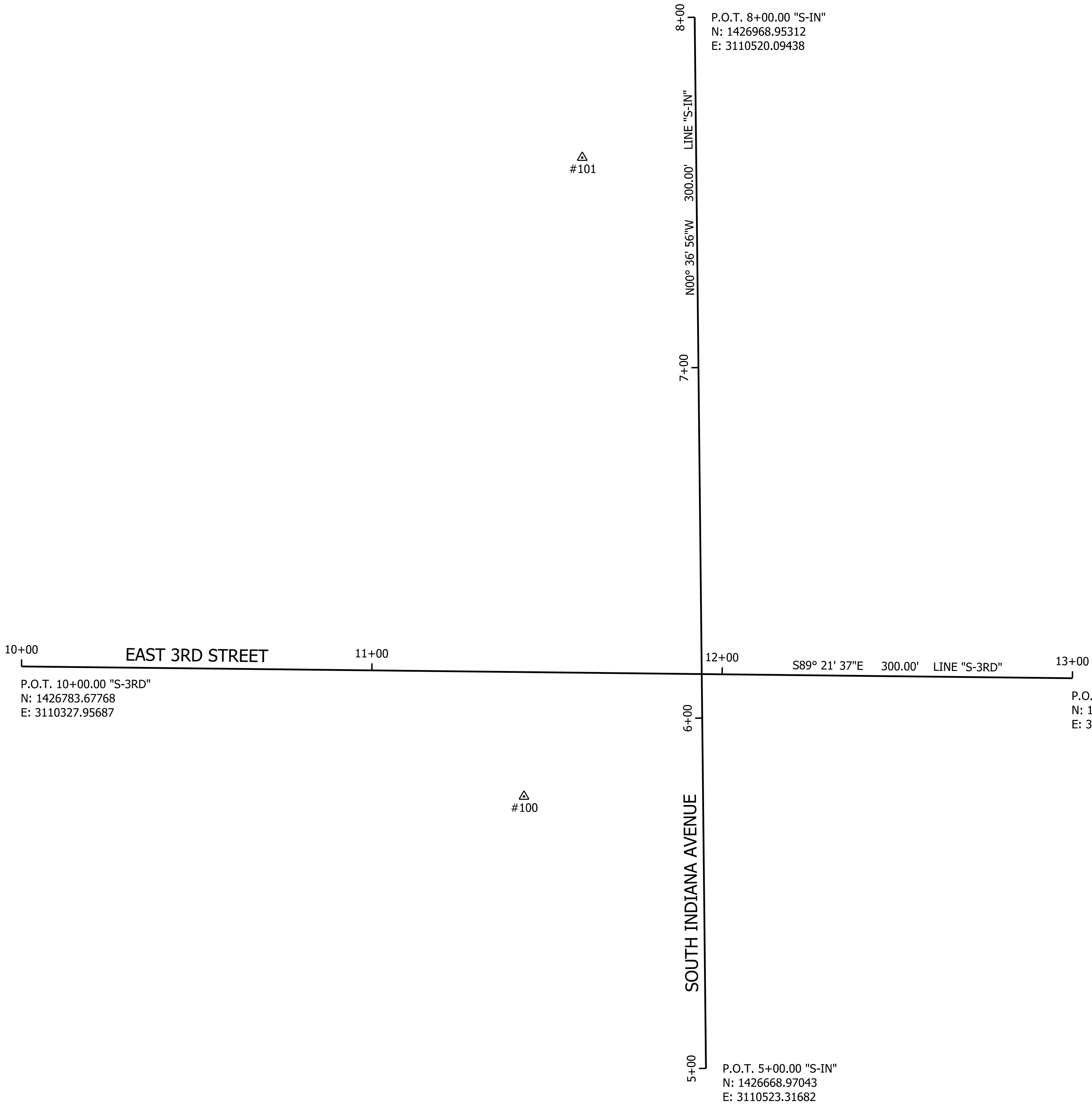
ClarkDietz



RECOMMENDED FOR APPROVAL		 DESIGN ENGINEER		9/30/2020 DATE	
DESIGNED: MMK		DRAWN: JAJ			
CHECKED: MMK		CHECKED: KMH			

CITY OF BLOOMINGTON, INDIANA	
LAYOUT	

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
NONE	XXXXXX
SURVEY BOOK	SHEETS
	3 of 13
CONTRACT	PROJECT
XXXX	XXXXXX

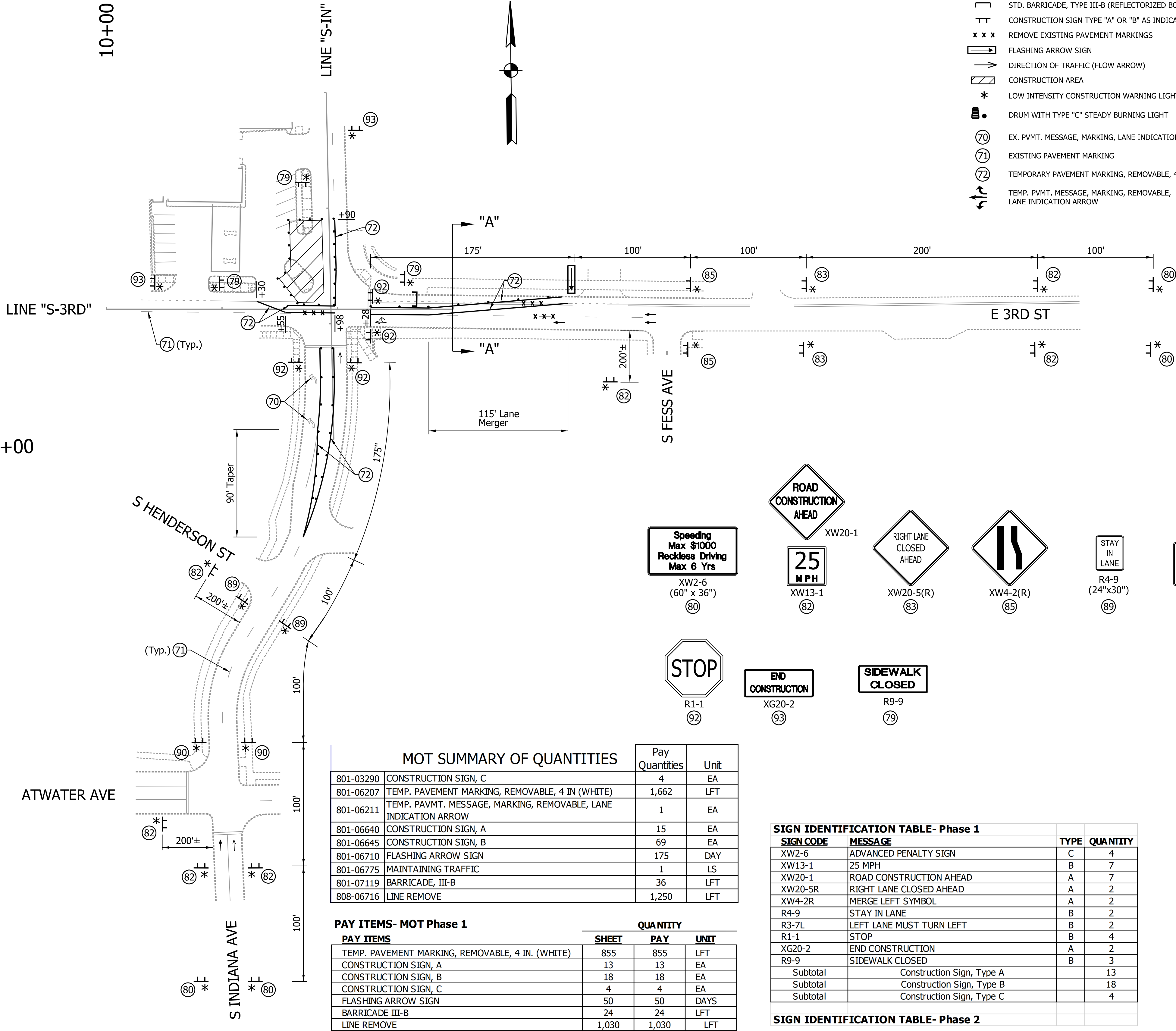


CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1426746.59093	3110471.38964	788.66	5/8" DIA. REBAR WITH RED "CONTROL WITNESS" CAP FLUSH
101	1426928.90624	3110488.00628	780.97	MAG NAIL FLUSH
102	1426795.13855	3110738.75495	793.25	MAG NAIL FLUSH

HORIZONTAL DATUM: NAD83 (2011), Indiana State Plane West Zone, U.S. Survey Feet
VERTICAL DATUM: NAVD88 (Geoid 12B), U.S. Survey Feet

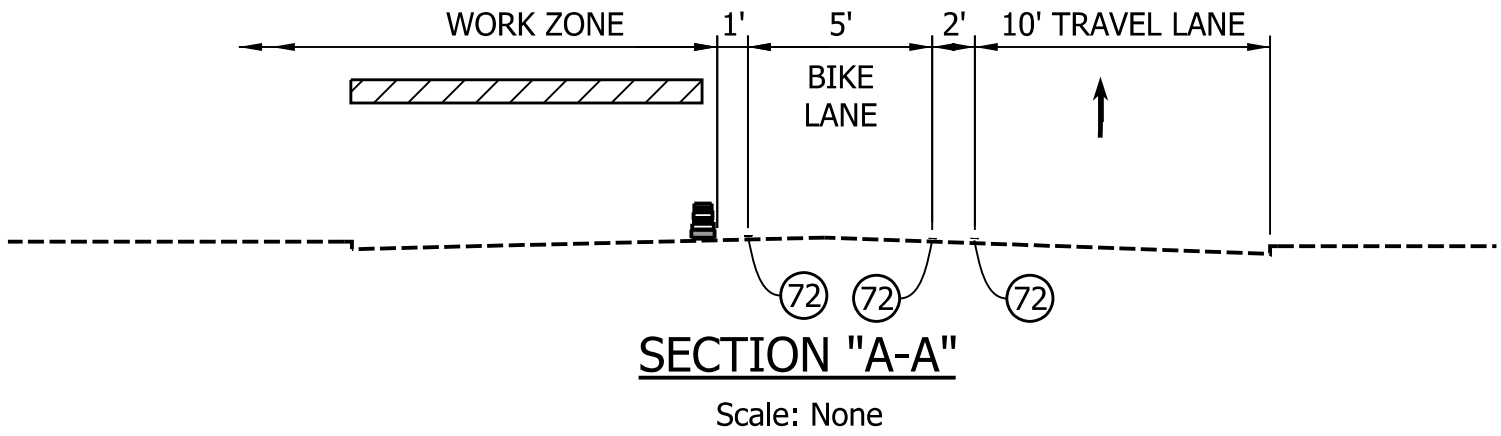
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LEGEND

- STD. BARRICADE, TYPE III-B (REFLECTORIZED BOTH SIDES)
- CONSTRUCTION SIGN TYPE "A" OR "B" AS INDICATED
- REMOVE EXISTING PAVEMENT MARKINGS
- FLASHING ARROW SIGN
- DIRECTION OF TRAFFIC (FLOW ARROW)
- CONSTRUCTION AREA
- LOW INTENSITY CONSTRUCTION WARNING LIGHT, TYPE "A"
- DRUM WITH TYPE "C" STEADY BURNING LIGHT
- EX. PVMT. MESSAGE, MARKING, LANE INDICATION ARROW
- EXISTING PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN (SOLID WHITE)
- TEMP. PVMT. MESSAGE, MARKING, REMOVABLE, LANE INDICATION ARROW



MOT SUMMARY OF QUANTITIES

		Pay Quantities	Unit
801-03290	CONSTRUCTION SIGN, C	4	EA
801-06207	TEMP. PAVEMENT MARKING, REMOVABLE, 4 IN (WHITE)	1,662	LFT
801-06211	TEMP. PAVMT. MESSAGE, MARKING, REMOVABLE, LANE INDICATION ARROW	1	EA
801-06640	CONSTRUCTION SIGN, A	15	EA
801-06645	CONSTRUCTION SIGN, B	69	EA
801-06710	FLASHING ARROW SIGN	175	DAY
801-06775	MAINTAINING TRAFFIC	1	LS
801-07119	BARRICADE, III-B	36	LFT
808-06716	LINE REMOVE	1,250	LFT

PAY ITEMS- MOT Phase 1

PAY ITEMS	SHEET	PAY	UNIT
TEMP. PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)	855	855	LFT
CONSTRUCTION SIGN, A	13	13	EA
CONSTRUCTION SIGN, B	18	18	EA
CONSTRUCTION SIGN, C	4	4	EA
FLASHING ARROW SIGN	50	50	DAYS
BARRICADE III-B	24	24	LFT
LINE REMOVE	1,030	1,030	LFT

SIGN IDENTIFICATION TABLE- Phase 1

SIGN CODE	MESSAGE	TYPE	QUANTITY
XW2-6	ADVANCED PENALTY SIGN	C	4
XW13-1	25 MPH	B	7
XW20-1	ROAD CONSTRUCTION AHEAD	A	7
XW20-5R	RIGHT LANE CLOSED AHEAD	A	2
XW4-2R	MERGE LEFT SYMBOL	A	2
R4-9	STAY IN LANE	B	2
R3-7L	LEFT LANE MUST TURN LEFT	B	2
R1-1	STOP	B	4
XG20-2	END CONSTRUCTION	A	2
R9-9	SIDEWALK CLOSED	B	3
Subtotal	Construction Sign, Type A		13
Subtotal	Construction Sign, Type B		18
Subtotal	Construction Sign, Type C		4

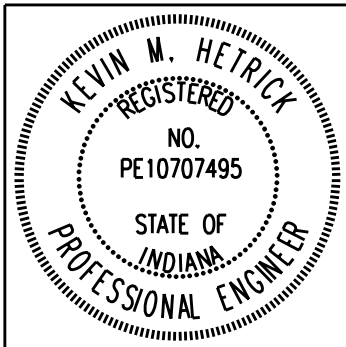
SIGN IDENTIFICATION TABLE- Phase 2

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NOTE:
Construction Design Speed
= 25 mph

NOTES:

- ACCESS TO ALL DRIVES AND APPROACHES SHALL BE MAINTAINED AT ALL TIMES.
- ALL STATION CALLOUTS FROM LINE "S-IN" OR LINE "S-3RD" UNLESS OTHERWISE NOTED.
- ALL SIGNS SHALL MEET THE LATEST INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (IMUTCD) REQUIREMENTS.
- THE TYPICAL SPACING FOR DRUMS SHALL BE 25' OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- THE LOCATIONS OF SIGNS AND TRAFFIC CONTROL DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.



RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
9/30/2020
DATE

DESIGNED: JAJ
DRAWN: JAJ
CHECKED: KMH
CHECKED: KMH

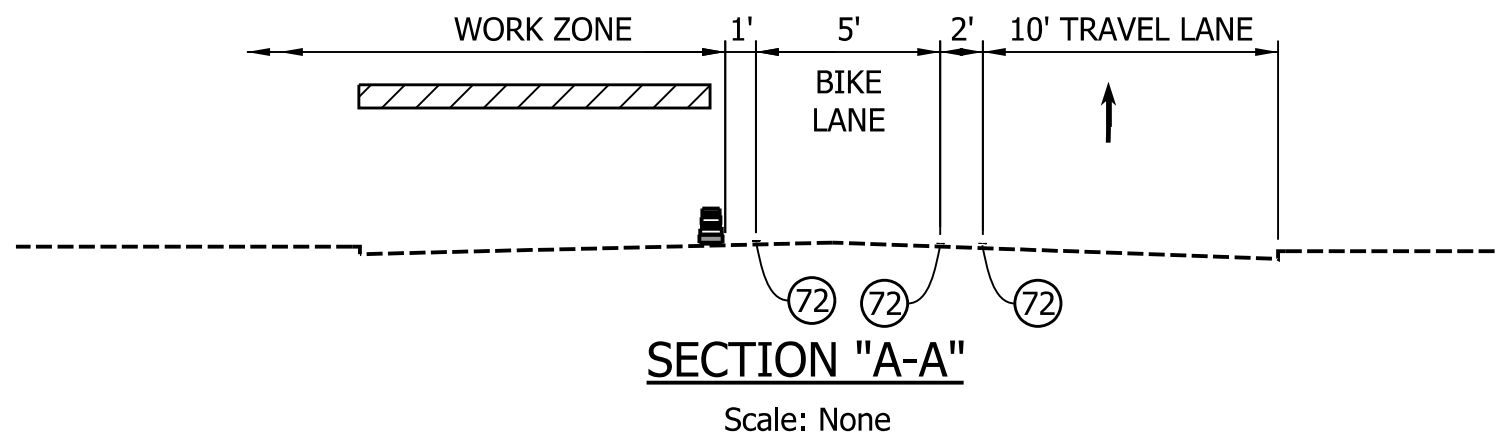
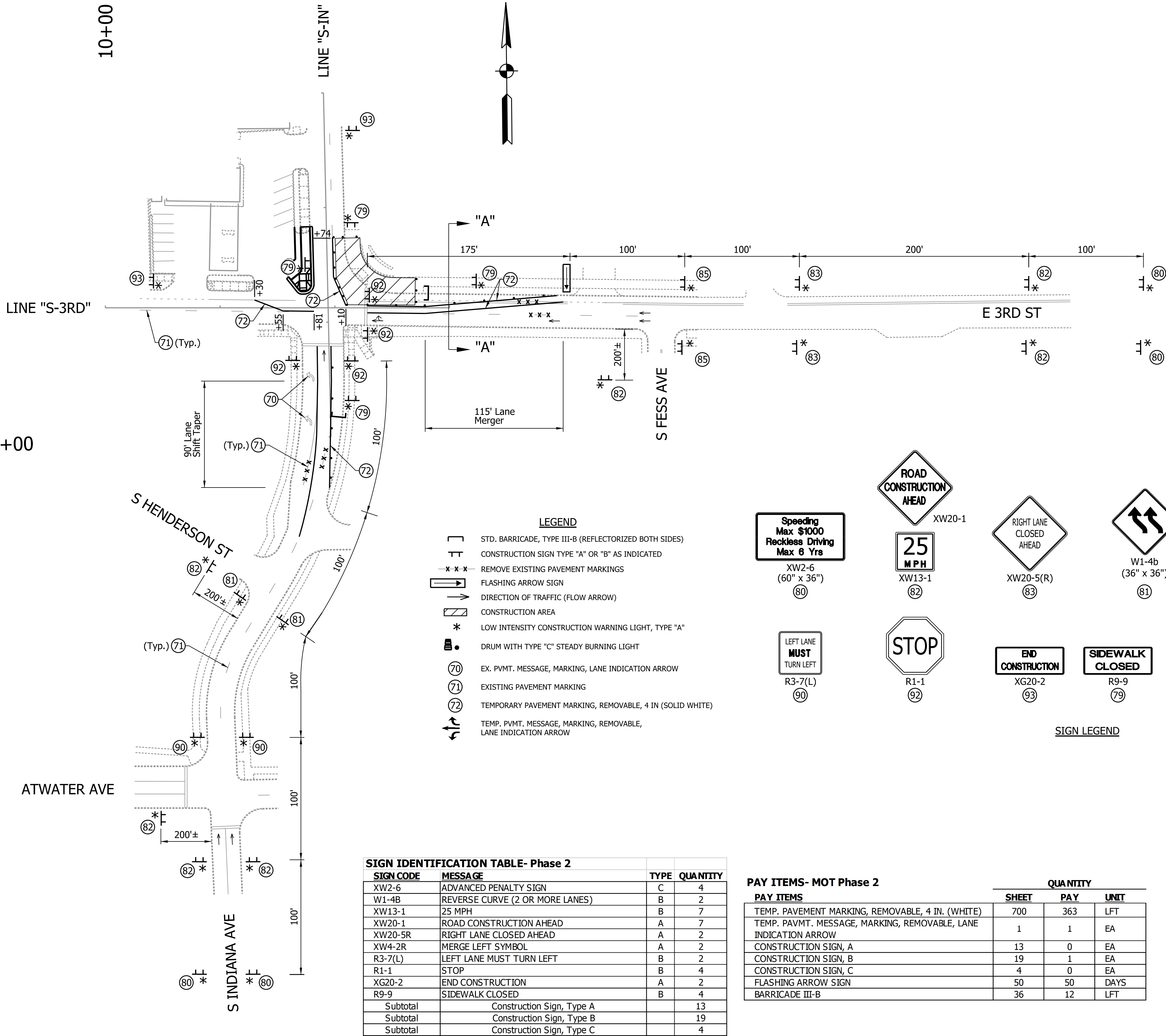
CITY OF BLOOMINGTON, INDIANA

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE NONE	DESIGNATION XXXXXX
SURVEY BOOK	SHEETS 4 of 13
CONTRACT XXXXX	PROJECT XXXXXX

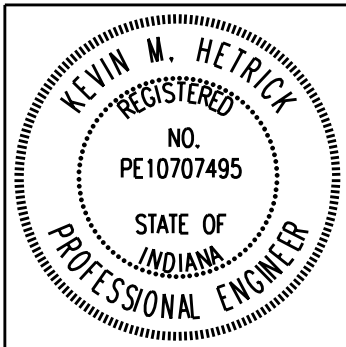
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ClarkDietz



NOTES:

- ACCESS TO ALL DRIVES AND APPROACHES SHALL BE MAINTAINED AT ALL TIMES.
- ALL STATION CALLOUTS FROM LINE "S-IN" OR LINE "S-3RD" UNLESS OTHERWISE NOTED.
- ALL SIGNS SHALL MEET THE LATEST INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (IMUTCD) REQUIREMENTS.
- THE TYPICAL SPACING FOR DRUMS SHALL BE 25' OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- THE LOCATIONS OF SIGNS AND TRAFFIC CONTROL DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.



RECOMMENDED FOR APPROVAL: [Signature] 9/30/2020 DATE

DESIGNED: JAJ DRAWN: JAJ

CHECKED: KMH CHECKED: KMH

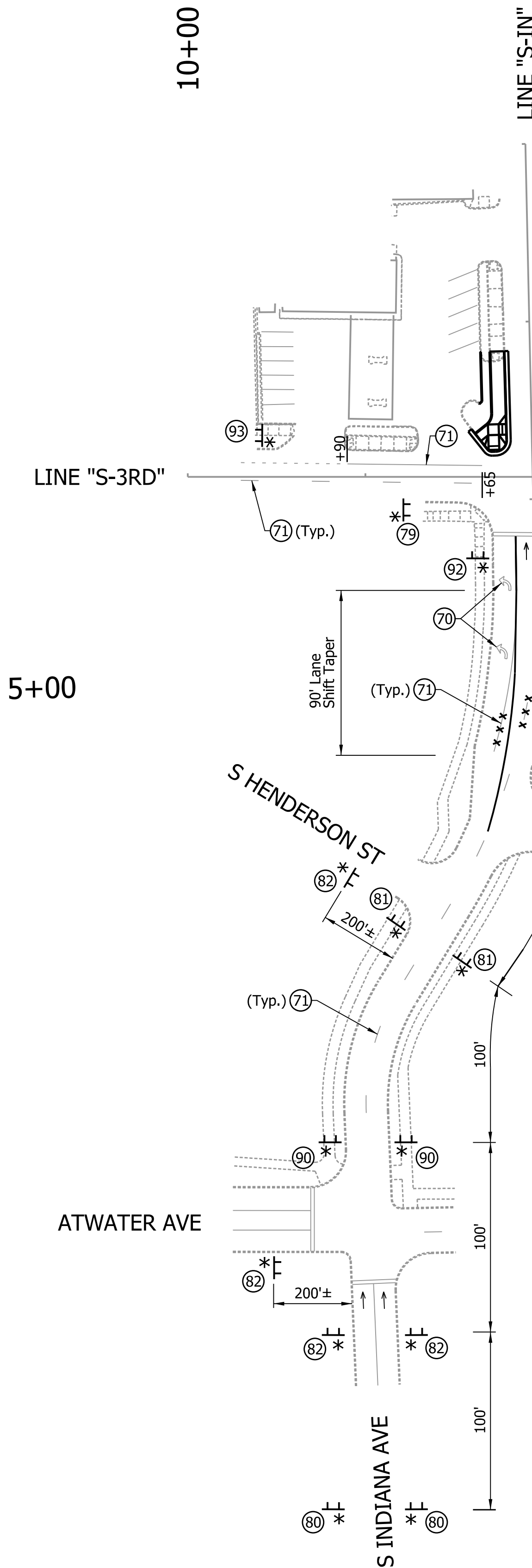
CITY OF BLOOMINGTON, INDIANA

MAINTENANCE OF TRAFFIC PHASE II

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
NONE	XXXXXX
SURVEY BOOK	SHEETS
	5 of 13
CONTRACT	PROJECT
XXXXX	XXXXXX

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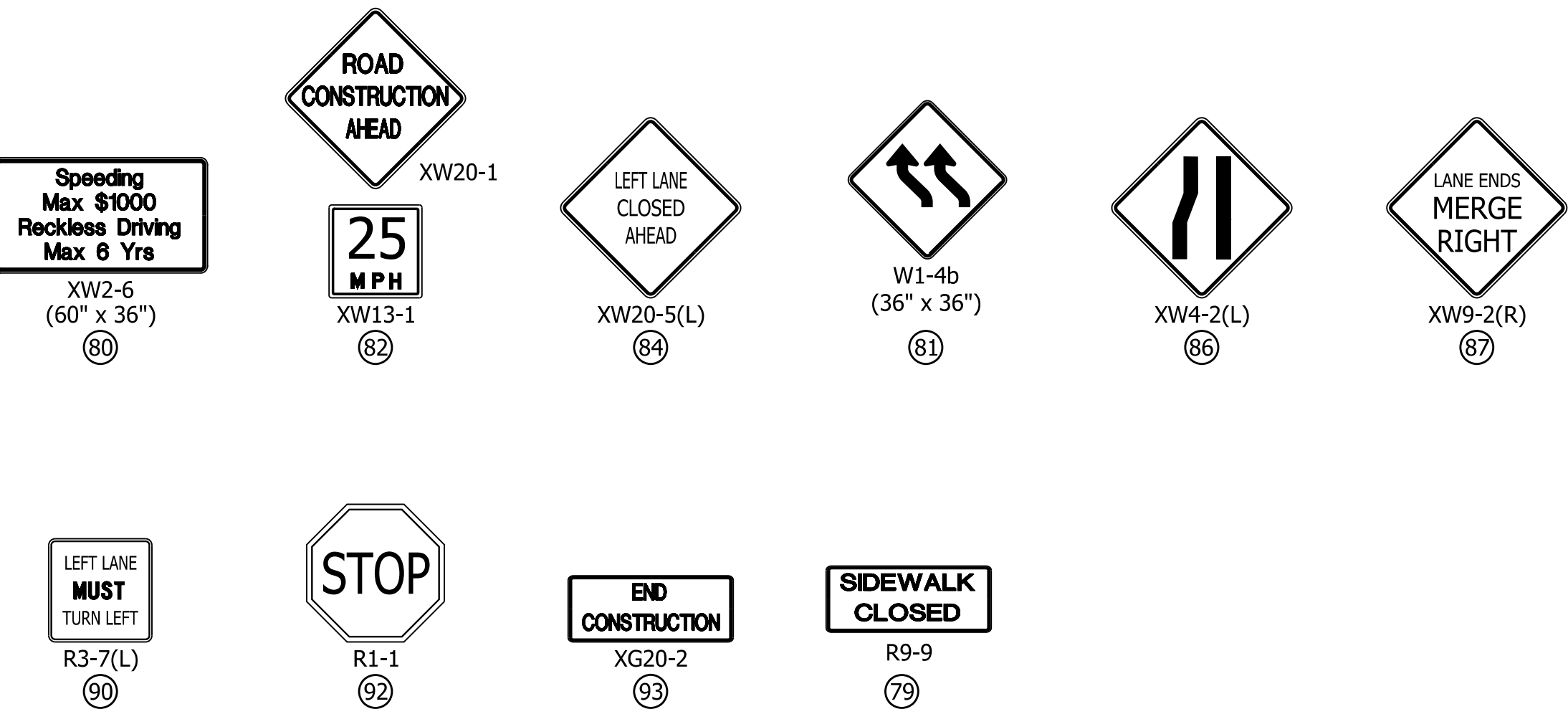
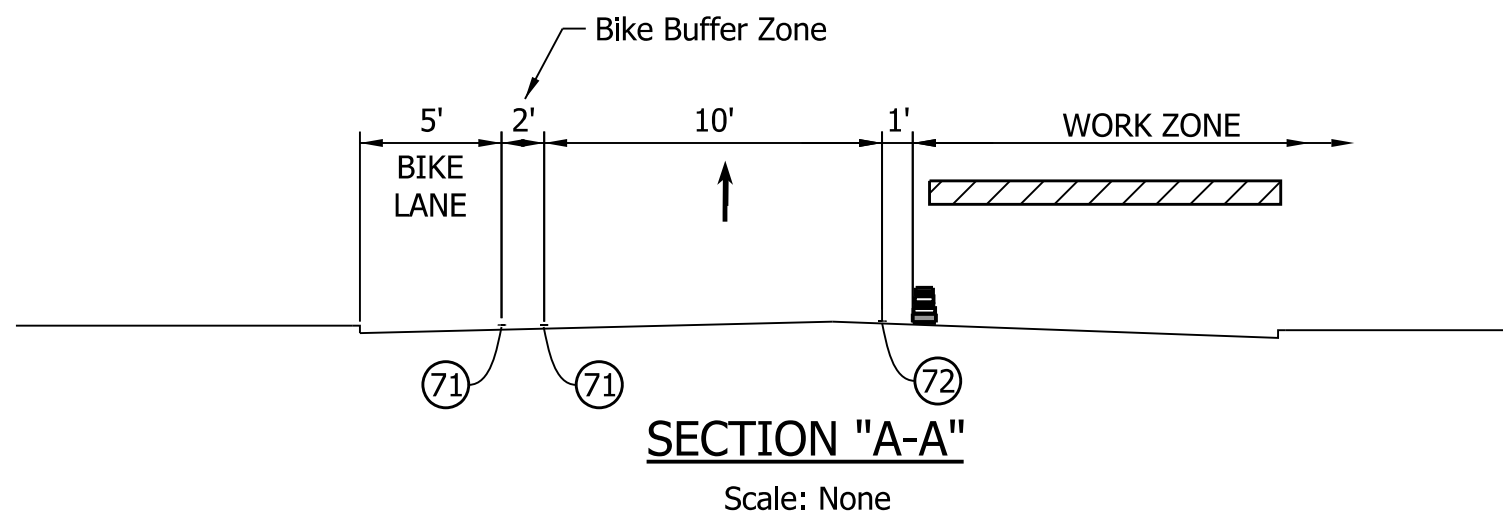


SIGN IDENTIFICATION TABLE- Phase 3			
SIGN CODE	MESSAGE	TYPE	QUANTITY
XW2-6	ADVANCED PENALTY SIGN	C	4
W1-4B	REVERSE CURVE (2 OR MORE LANES)	B	2
XW13-1	25 MPH	B	7
XW20-1	ROAD CONSTRUCTION AHEAD	A	7
XW20-5L	LEFT LANE CLOSED AHEAD	A	2
XW4-2L	MERGE RIGHT SYMBOL	A	2
XW9-2R	LANE ENDS MERGE RIGHT	A	2
R3-7L	LEFT LANE MUST TURN LEFT	B	2
R1-1	STOP	B	4
XG20-2	END CONSTRUCTION	A	2
R9-9	SIDEWALK CLOSED	B	4
Subtotal	Construction Sign, Type A		15
Subtotal	Construction Sign, Type B		19
Subtotal	Construction Sign, Type C		4

PAY ITEMS- MOT Phase 3

PAY ITEMS	QUANTITY		
	SHEET	PAY	UNIT
TEMP. PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)	474	227	LFT
CONSTRUCTION SIGN, A	15	2	EA
CONSTRUCTION SIGN, B	19	0	EA
CONSTRUCTION SIGN, C	4	0	EA
FLASHING ARROW SIGN	50	50	DAYS
BARRICADE III-B	36	0	LFT
LINE REMOVE	220	220	LFT

- LEGEND**
- STD. BARRICADE, TYPE III-B (REFLECTORIZED BOTH SIDES)
 - CONSTRUCTION SIGN TYPE "A" OR "B" AS INDICATED
 - REMOVE EXISTING PAVEMENT MARKINGS
 - FLASHING ARROW SIGN
 - DIRECTION OF TRAFFIC (FLOW ARROW)
 - CONSTRUCTION AREA
 - LOW INTENSITY CONSTRUCTION WARNING LIGHT, TYPE "A"
 - DRUM WITH TYPE "C" STEADY BURNING LIGHT
 - EX. PVMT. MESSAGE, MARKING, LANE INDICATION ARROW
 - EXISTING PAVEMENT MARKING
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN (SOLID WHITE)
 - TEMP. PVMT. MESSAGE, MARKING, REMOVABLE, LANE INDICATION ARROW



NOTE:
Construction Design Speed
= 25 mph

NOTES:

- ACCESS TO ALL DRIVES AND APPROACHES SHALL BE MAINTAINED AT ALL TIMES.
- ALL STATION CALLOUTS FROM LINE "S-IN" OR LINE "S-3RD" UNLESS OTHERWISE NOTED.
- ALL SIGNS SHALL MEET THE LATEST INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (IMUTCD) REQUIREMENTS.
- THE TYPICAL SPACING FOR DRUMS SHALL BE 25' OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- THE LOCATIONS OF SIGNS AND TRAFFIC CONTROL DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.



RECOMMENDED FOR APPROVAL *Kevin W. Hetrick* 9/30/2020
DESIGN ENGINEER DATE

DESIGNED: JAJ DRAWN: JAJ
CHECKED: KMH CHECKED: KMH

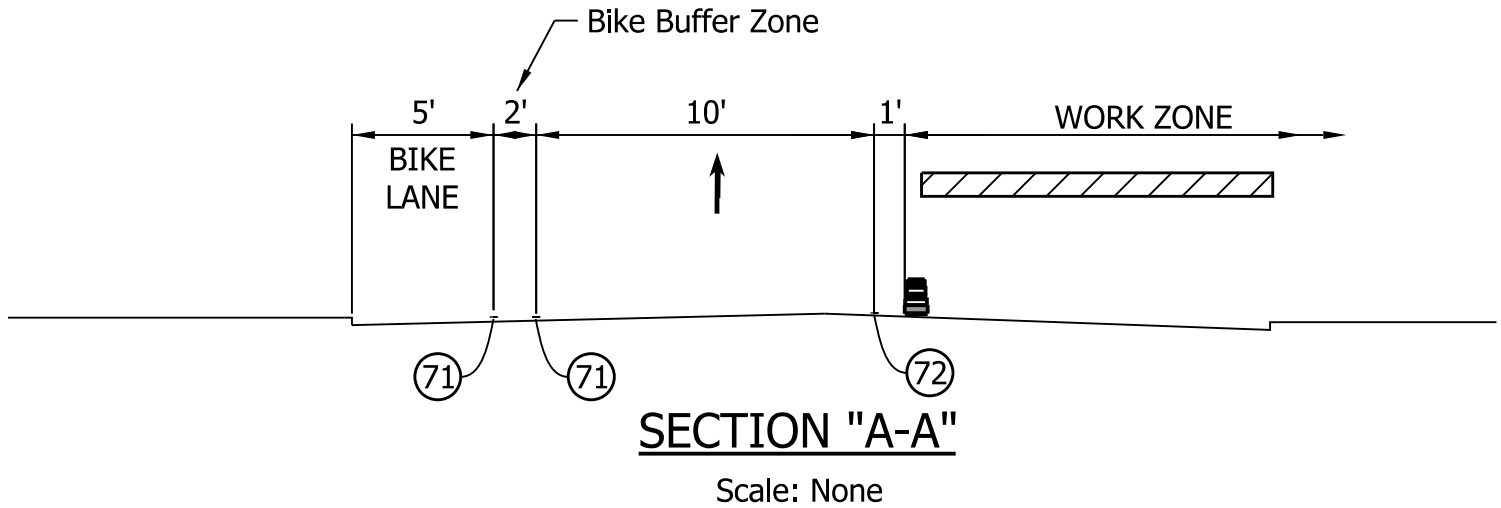
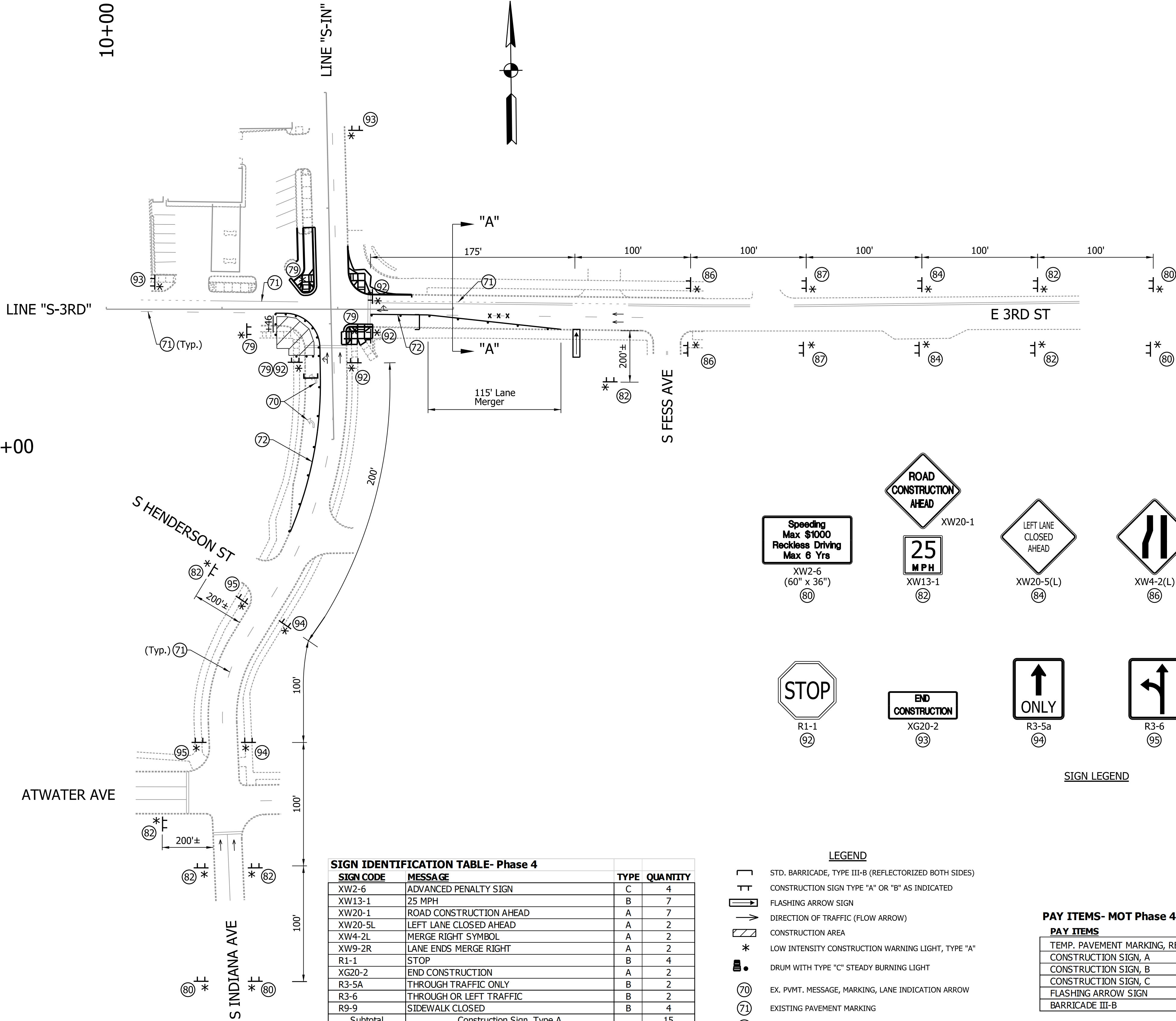
CITY OF BLOOMINGTON, INDIANA

MAINTENANCE OF TRAFFIC
PHASE III

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
NONE	XXXXXX
SURVEY BOOK	SHEETS
	6 of 13
CONTRACT	PROJECT
XXXXX	XXXXXX

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ClarkDietz



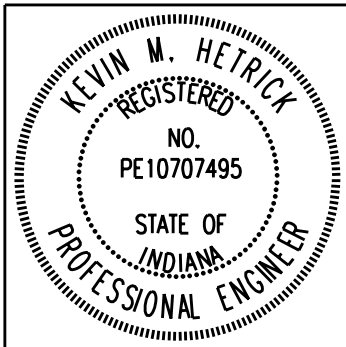
SIGN IDENTIFICATION TABLE- Phase 4			
SIGN CODE	MESSAGE	TYPE	QUANTITY
XW2-6	ADVANCED PENALTY SIGN	C	4
XW13-1	25 MPH	B	7
XW20-1	ROAD CONSTRUCTION AHEAD	A	7
XW20-5L	LEFT LANE CLOSED AHEAD	A	2
XW4-2L	MERGE RIGHT SYMBOL	A	2
XW9-2R	LANE ENDS MERGE RIGHT	A	2
R1-1	STOP	B	4
XG20-2	END CONSTRUCTION	A	2
R3-5A	THROUGH TRAFFIC ONLY	B	2
R3-6	THROUGH OR LEFT TRAFFIC	B	2
R9-9	SIDEWALK CLOSED	B	4
Subtotal	Construction Sign, Type A		15
Subtotal	Construction Sign, Type B		19
Subtotal	Construction Sign, Type C		4

- LEGEND**
- STD. BARRICADE, TYPE III-B (REFLECTORIZED BOTH SIDES)
 - CONSTRUCTION SIGN TYPE "A" OR "B" AS INDICATED
 - FLASHING ARROW SIGN
 - DIRECTION OF TRAFFIC (FLOW ARROW)
 - CONSTRUCTION AREA
 - LOW INTENSITY CONSTRUCTION WARNING LIGHT, TYPE "A"
 - DRUM WITH TYPE "C" STEADY BURNING LIGHT
 - EX. PVMT. MESSAGE, MARKING, LANE INDICATION ARROW
 - EXISTING PAVEMENT MARKING
 - TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN (SOLID WHITE)
 - TEMP. PVMT. MESSAGE, MARKING, REMOVABLE, LANE INDICATION ARROW

PAY ITEMS- MOT Phase 4		QUANTITY		
PAY ITEMS		SHEET	PAY	UNIT
TEMP. PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)		383	217	LFT
CONSTRUCTION SIGN, A		15	0	EA
CONSTRUCTION SIGN, B		19	0	EA
CONSTRUCTION SIGN, C		4	0	EA
FLASHING ARROW SIGN		25	25	DAYS
BARRICADE III-B		24	0	LFT

NOTE:
Construction Design Speed
= 25 mph

- NOTES:**
- ACCESS TO ALL DRIVES AND APPROACHES SHALL BE MAINTAINED AT ALL TIMES.
 - ALL STATION CALLOUTS FROM LINE "S-IN" OR LINE "S-3RD" UNLESS OTHERWISE NOTED.
 - ALL SIGNS SHALL MEET THE LATEST INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (IMUTCD) REQUIREMENTS.
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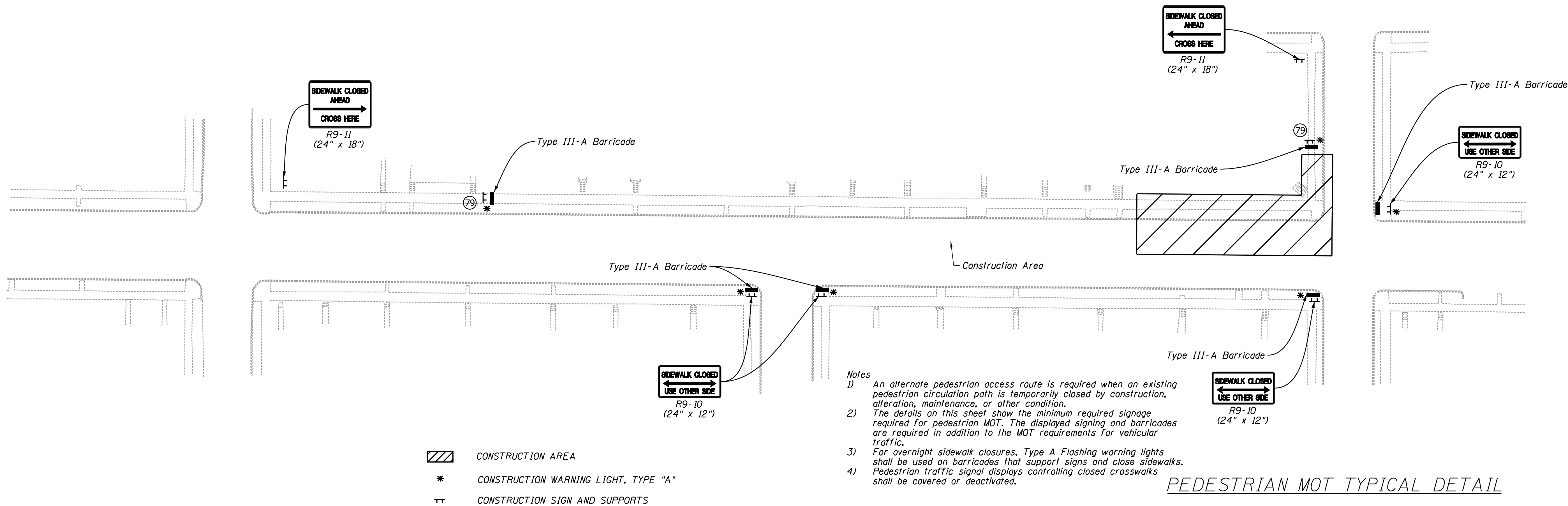


RECOMMENDED FOR APPROVAL	<i>Kevin W. Hetrick</i>	9/30/2020
DESIGNED:	___ JAJ ___	DRAWN: ___ JAJ ___
CHECKED:	___ KMH ___	CHECKED: ___ KMH ___

CITY OF BLOOMINGTON, INDIANA
MAINTENANCE OF TRAFFIC PHASE IV

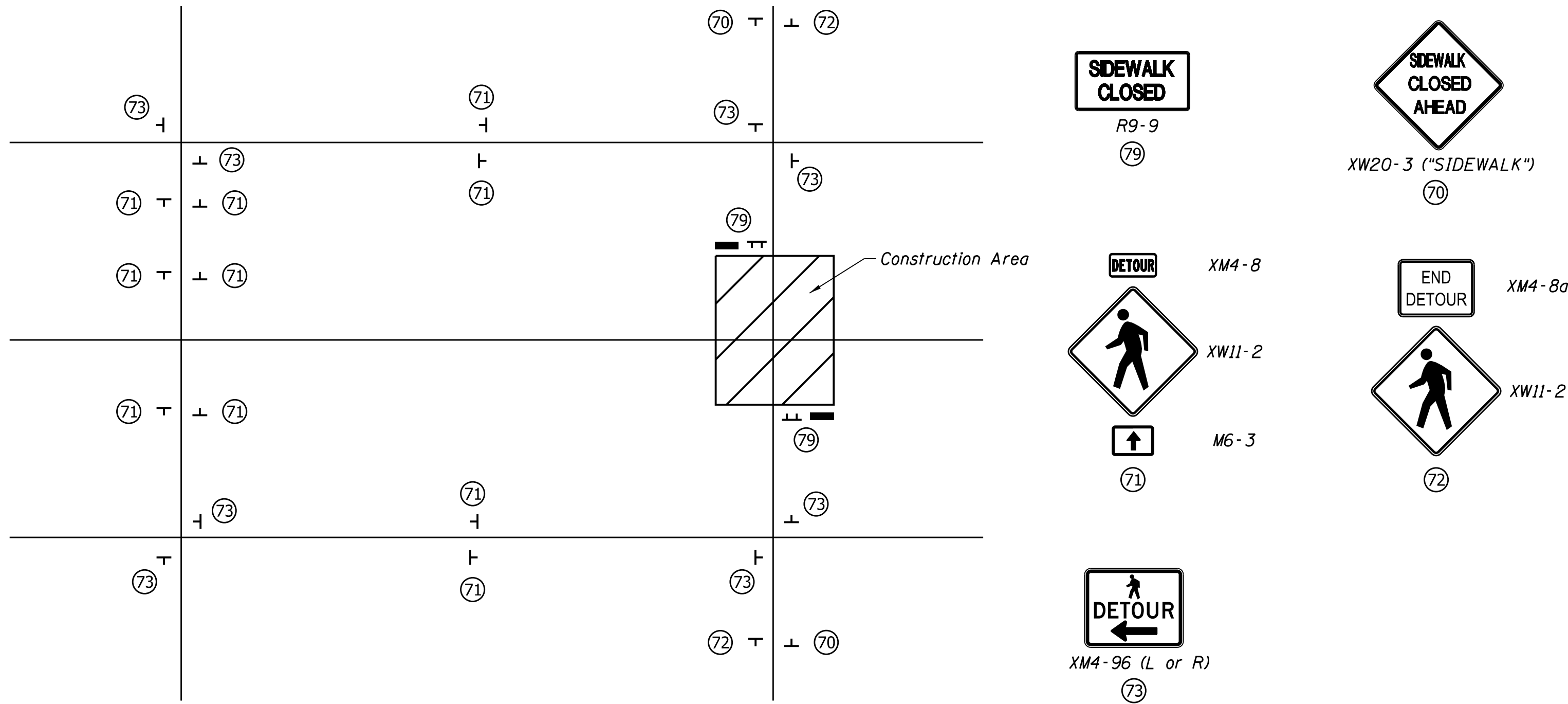
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	DESIGNATION
VERTICAL SCALE	XXXXXX
NONE	
SURVEY BOOK	SHEETS
	7 of 13
CONTRACT	PROJECT
XXXXX	XXXXXX

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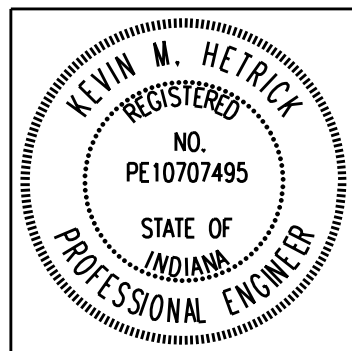


SIGN IDENTIFICATION TABLE- Pedestrian			
SIGN CODE	MESSAGE	TYPE	QUANTITY
R9-9	SIDEWALK CLOSED	B	*
XW20-3	SIDEWALK CLOSED AHEAD	B	2
XM4-8	DETOUR	B	10
XW11-2	PEDESTRIAN SYMBOL	B	12
M6-3	ARROW SYMBOL	B	10
XM4-8a	END DETOUR	B	2
XM4-96	PEDESTRIAN DETOUR SYMBOL	B	8
R9-10	SIDEWALK CLOSED USE OTHER SIDE	B	4
R9-11	SIDEWALK CLOSED AHEAD CROSS HERE	B	2
Subtotal	Construction Sign, Type B		50

*Quantified in MOT Phase Tables



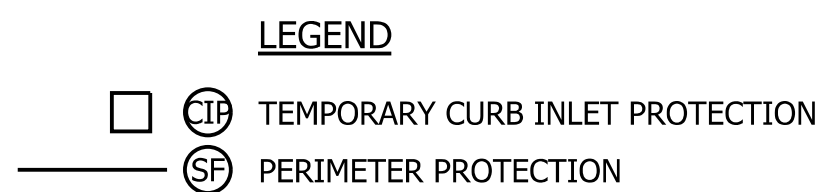
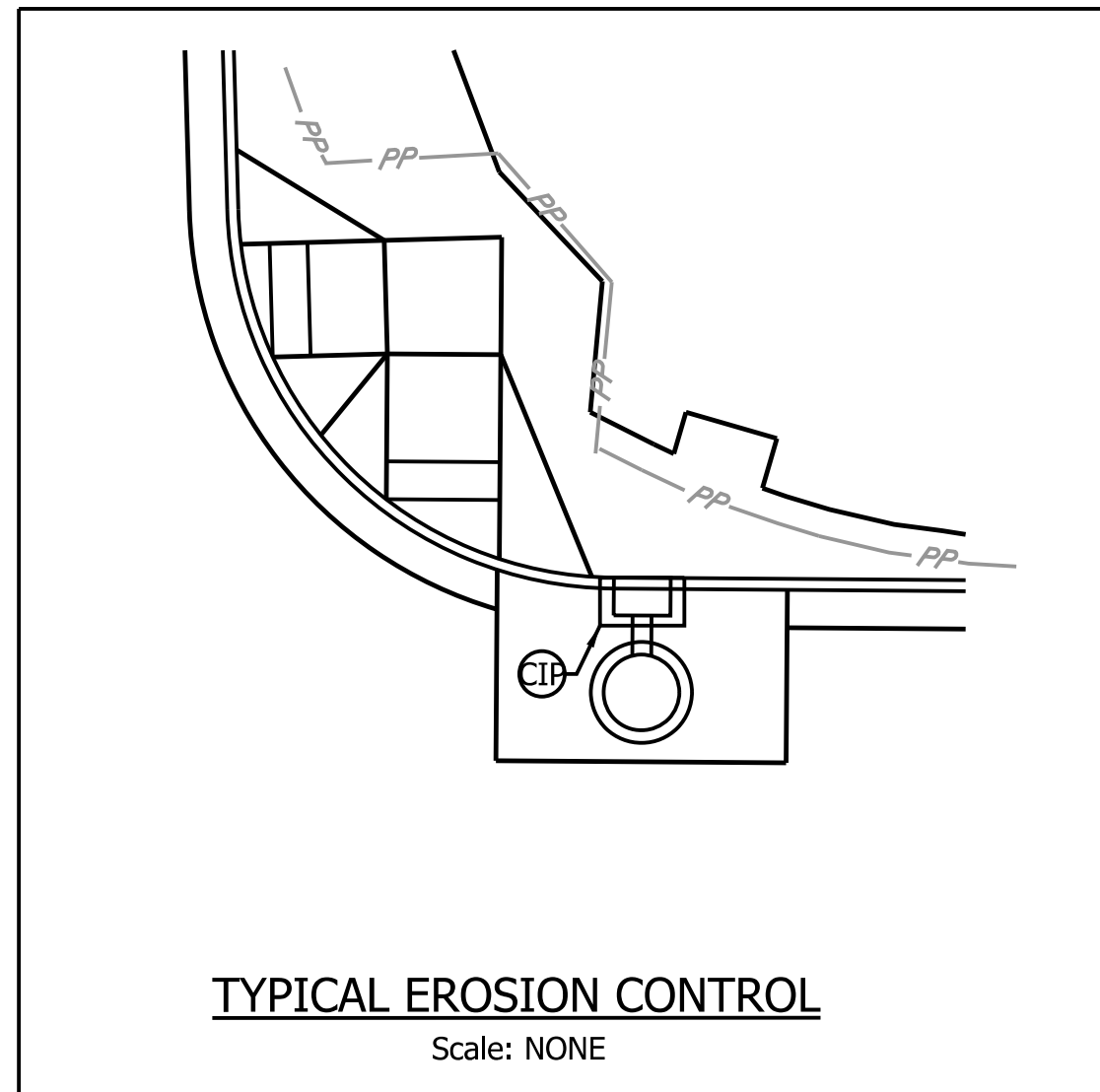
ClarkDietz



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JAJ	DRAWN: JAJ	
CHECKED: KMH	CHECKED: KMH	

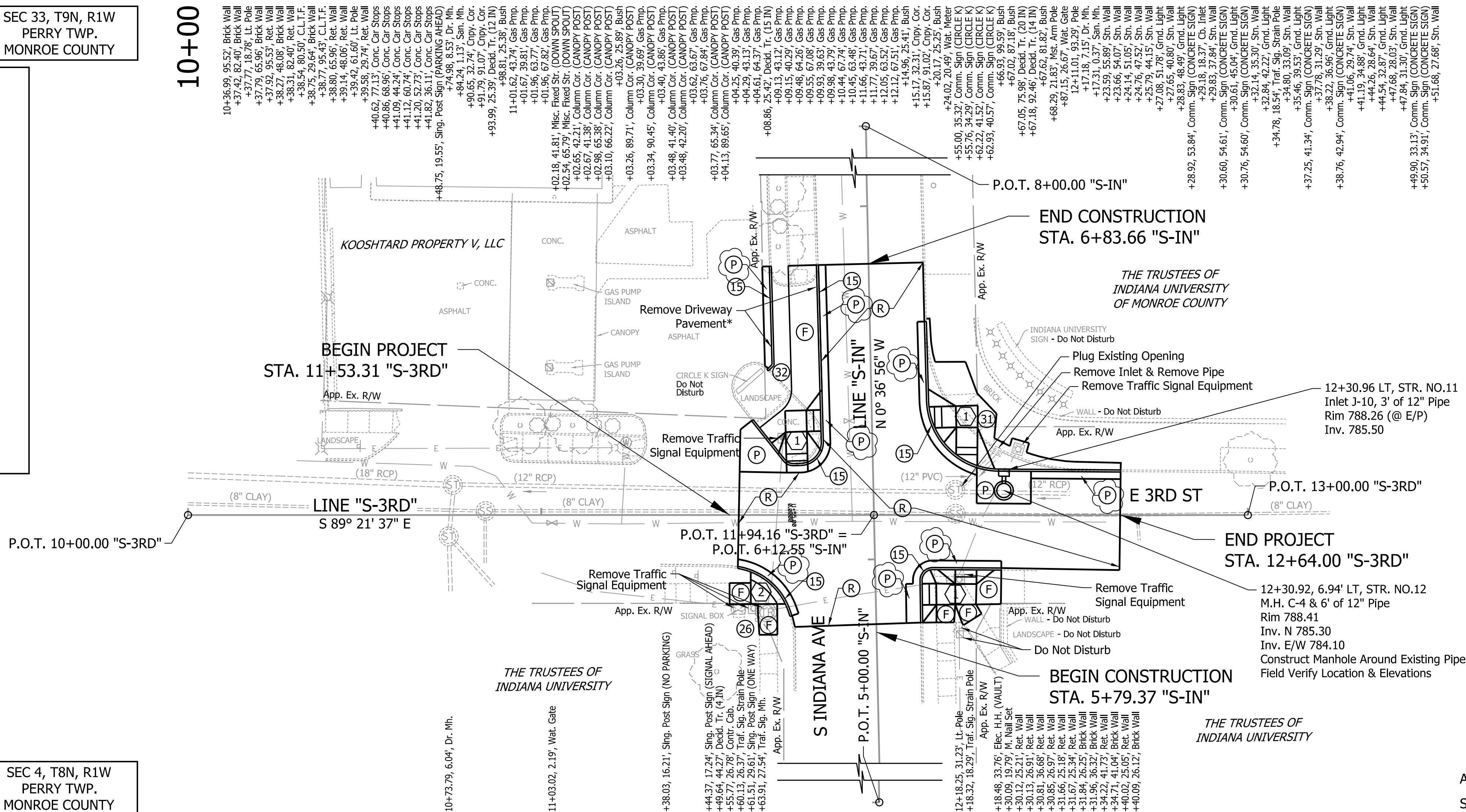
CITY OF BLOOMINGTON, INDIANA
MAINTENANCE OF TRAFFIC PEDESTRIAN ACCESS

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
NONE	XXXXXX
SURVEY BOOK	SHEETS
	8 of 13
CONTRACT	PROJECT
XXXXX	XXXXXX



SEC 33, T9N, R1W
PERRY TWP.
MONROE COUNTY

SEC 4, T8N, R1W
PERRY TWP.
MONROE COUNTY



- LEGEND**

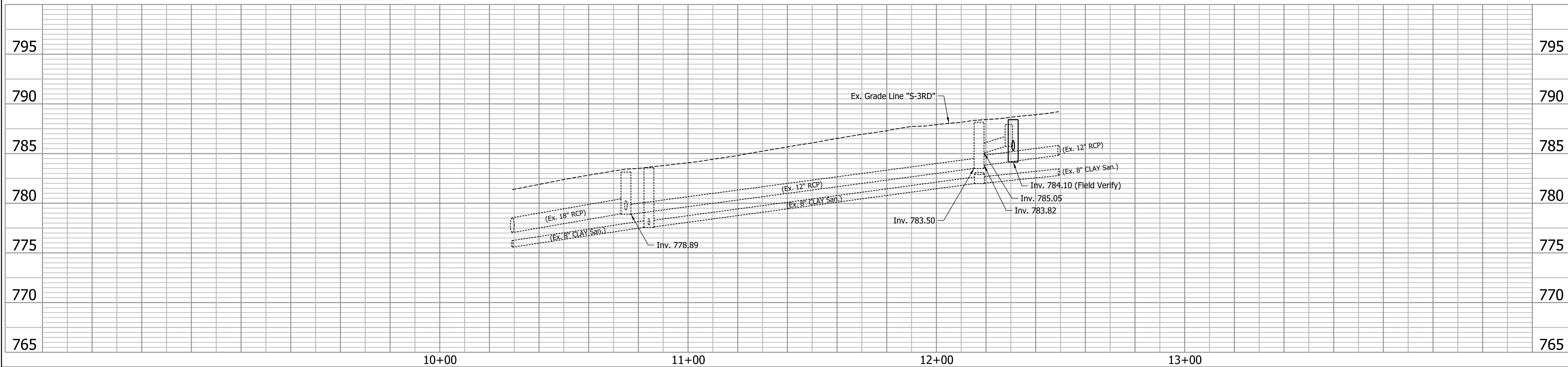
 - (F) Sidewalk, Concrete, 4" PCCP on 3" Compacted Aggregate, 53.
 - (P) 165#/Syd. HMA Surface, Type B on PCCP Patching, Full Depth^{^^} on Subgrade Treatment Type II
 - (R) Milling, Asphalt, (1.5" Depth) and 165 #/Syd. HMA Surface, Type B, on Asphalt Material for Tack Coat
 - (15) Concrete Vertical Curb +
 - (26) Sodding, Nursery
 - (31) Brick Pavers
 - (32) Hardwood Mulch
 - (1) Paired Perpendicular Conc. Curb Ramp
 - (2) Blended Transition Conc. Curb Ramp

NOTE:

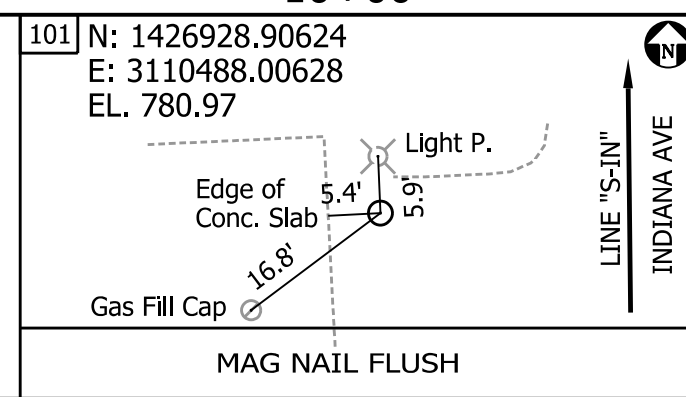
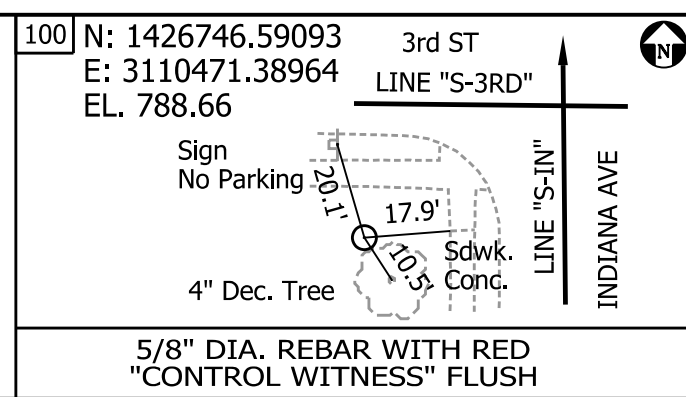
- ^^ SEE BLOOMINGTON STANDARD DRAWING SC-2
- * DRIVEWAY PAVEMENT REMOVAL SHALL BE INCLUDED IN THE PAVEMENT REMOVAL PAY ITEM.
- + SEE CONCRETE CURB (VERTICAL) ON INDOT STANDARD DRAWING E 605-CCSJ-01

Rev. 11/10/2020

All R/W described from Line "S-3RD" or Line "S-IN".
See Intersection Details for additional information.



Clark>Dietz



Revisions:
11/10/2020



RECOMMENDED FOR APPROVAL  9/30/2020
DESIGN ENGINEER DATE

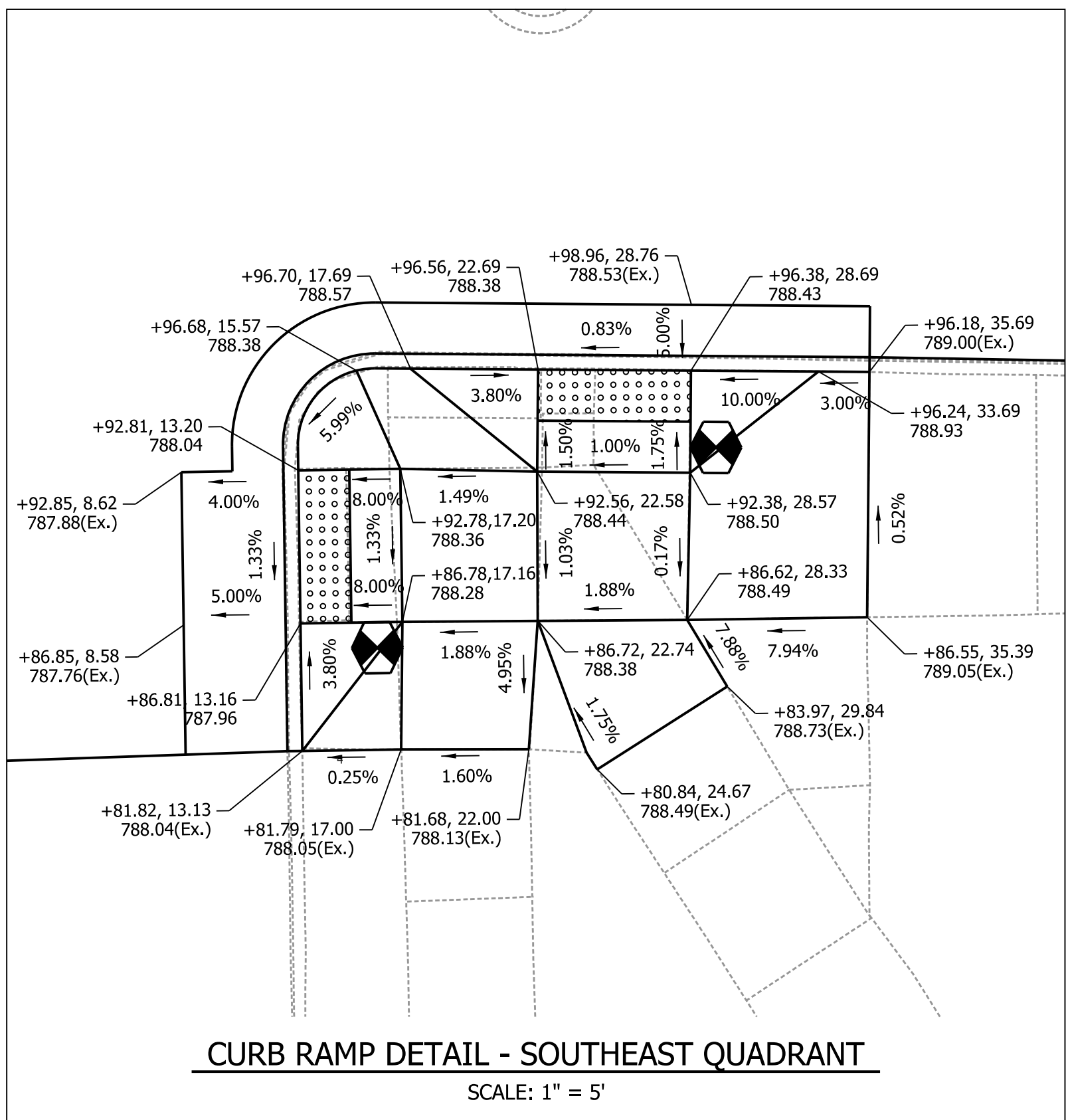
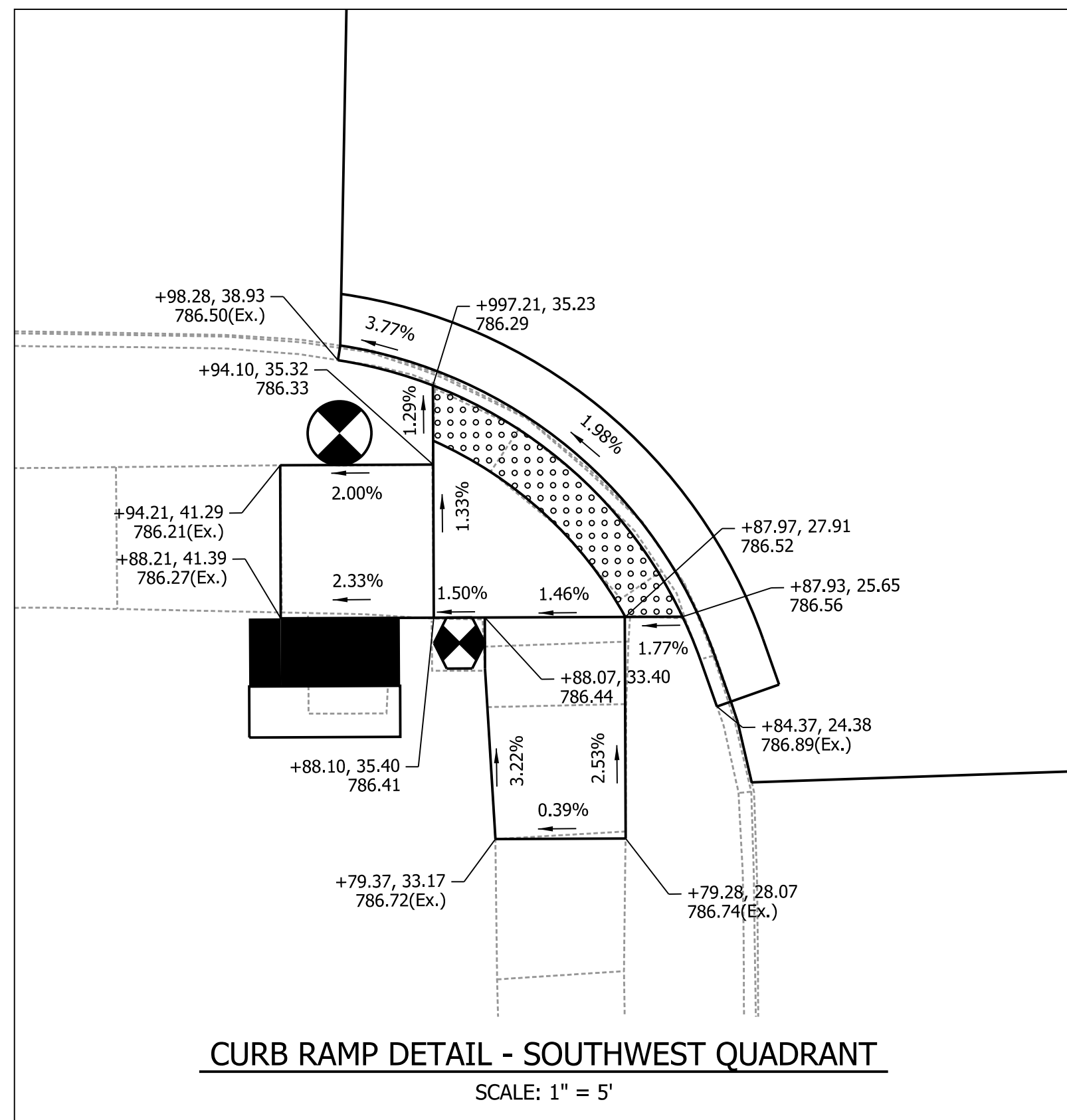
DESIGNED: _____ JAJ _____	DRAWN: _____ JAJ _____

CHECKED: _____ KMH	CHECKED: _____ KMH
--------------------	--------------------

CITY OF BLOOMINGTON, INDIANA

STORM SEWER PROFILE & TOPOGRAPHY NOTES

HORIZONTAL SCALE		BRIDGE FILE	
1" = 20'			
VERTICAL SCALE		DESIGNATION	
1" = 5'		XXXXXXX	
SURVEY BOOK		SHEETS	
		9	13
CONTRACT		PROJECT	
XXXXXX		XXXXXXXXXX	

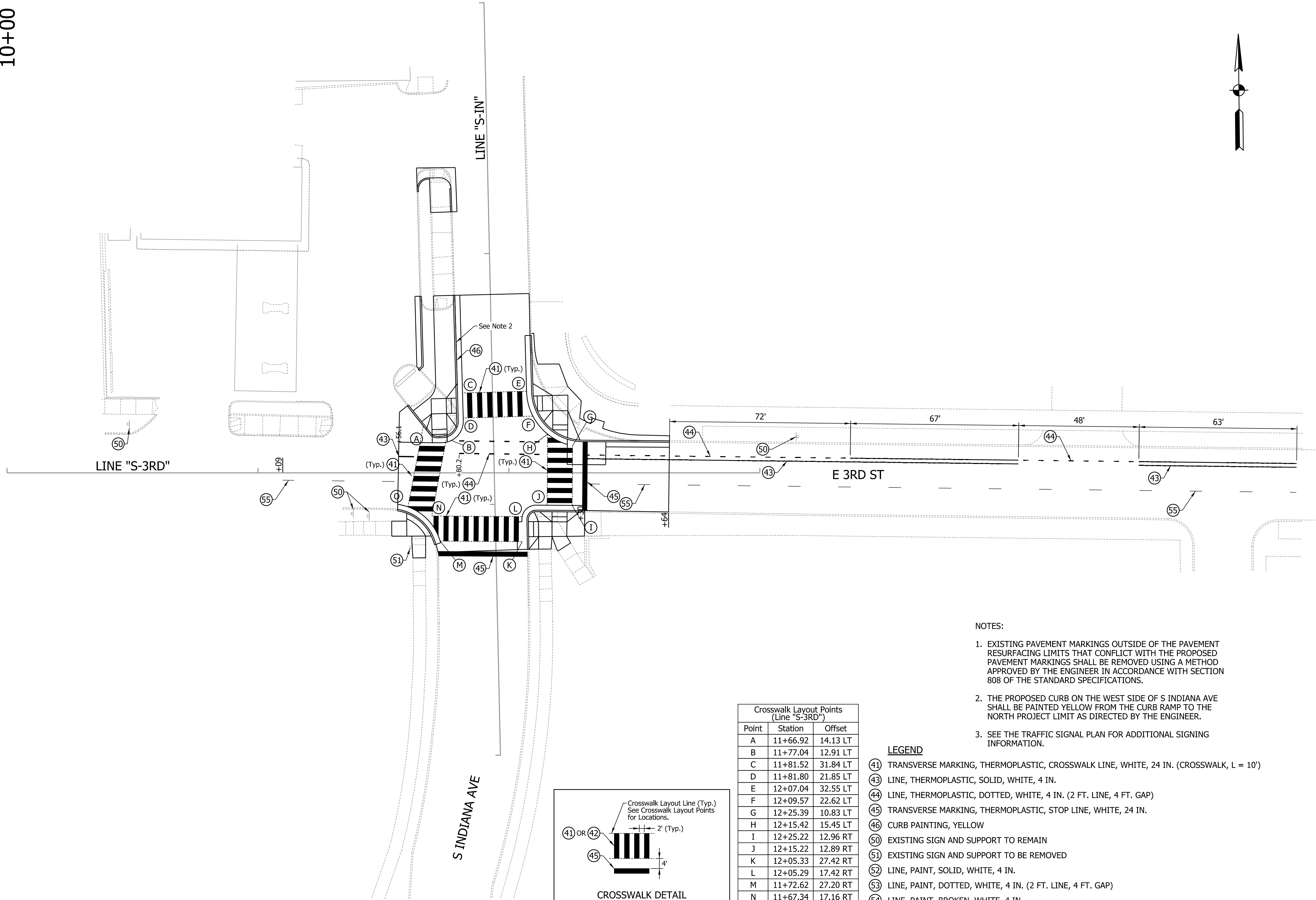


HORIZONTAL SCALE		BRIDGE FILE	
1" = 10'			
VERTICAL SCALE		DESIGNATION	
NONE		XXXXXXX	
SURVEY BOOK		SHEETS	
		10	13
CONTRACT		PROJECT	
XXXXXX		XXXXXXXXXX	

2/25/2020 11:11/2020 P:\B0270060_Bloomington IN - 3rd St at Indiana Ave\Design\Plans\Plan\Sign\SignMark01.dgn

5+00

10+00



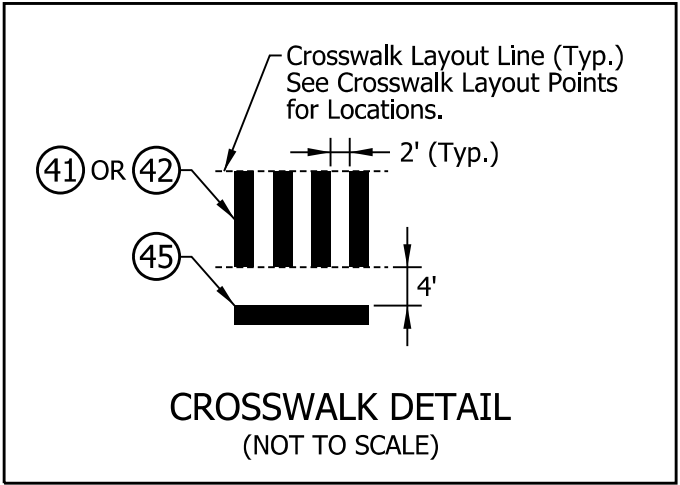
NOTES:

- EXISTING PAVEMENT MARKINGS OUTSIDE OF THE PAVEMENT RESURFACING LIMITS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED USING A METHOD APPROVED BY THE ENGINEER IN ACCORDANCE WITH SECTION 808 OF THE STANDARD SPECIFICATIONS.
- THE PROPOSED CURB ON THE WEST SIDE OF S INDIANA AVE SHALL BE PAINTED YELLOW FROM THE CURB RAMP TO THE NORTH PROJECT LIMIT AS DIRECTED BY THE ENGINEER.
- SEE THE TRAFFIC SIGNAL PLAN FOR ADDITIONAL SIGNING INFORMATION.

LEGEND

- 41 TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE, WHITE, 24 IN. (CROSSWALK, L = 10')
- 43 LINE, THERMOPLASTIC, SOLID, WHITE, 4 IN.
- 44 LINE, THERMOPLASTIC, DOTTED, WHITE, 4 IN. (2 FT. LINE, 4 FT. GAP)
- 45 TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN.
- 46 CURB PAINTING, YELLOW
- 50 EXISTING SIGN AND SUPPORT TO REMAIN
- 51 EXISTING SIGN AND SUPPORT TO BE REMOVED
- 52 LINE, PAINT, SOLID, WHITE, 4 IN.
- 53 LINE, PAINT, DOTTED, WHITE, 4 IN. (2 FT. LINE, 4 FT. GAP)
- 54 LINE, PAINT, BROKEN, WHITE, 4 IN.
- 55 LINE, THERMOPLASTIC, BROKEN, WHITE, 4 IN.

Crosswalk Layout Points (Line "S-3RD")		
Point	Station	Offset
A	11+66.92	14.13 LT
B	11+77.04	12.91 LT
C	11+81.52	31.84 LT
D	11+81.80	21.85 LT
E	12+07.04	32.55 LT
F	12+09.57	22.62 LT
G	12+25.39	10.83 LT
H	12+15.42	15.45 LT
I	12+25.22	12.96 RT
J	12+15.22	12.89 RT
K	12+05.33	27.42 RT
L	12+05.29	17.42 RT
M	11+72.62	27.20 RT
N	11+67.34	17.16 RT
O	11+58.16	13.03 RT



ClarkDietz



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	9/30/2020
	DESIGN ENGINEER	DATE
DESIGNED: JAJ	DRAWN: JAJ	
CHECKED: KMH	CHECKED: KMH	

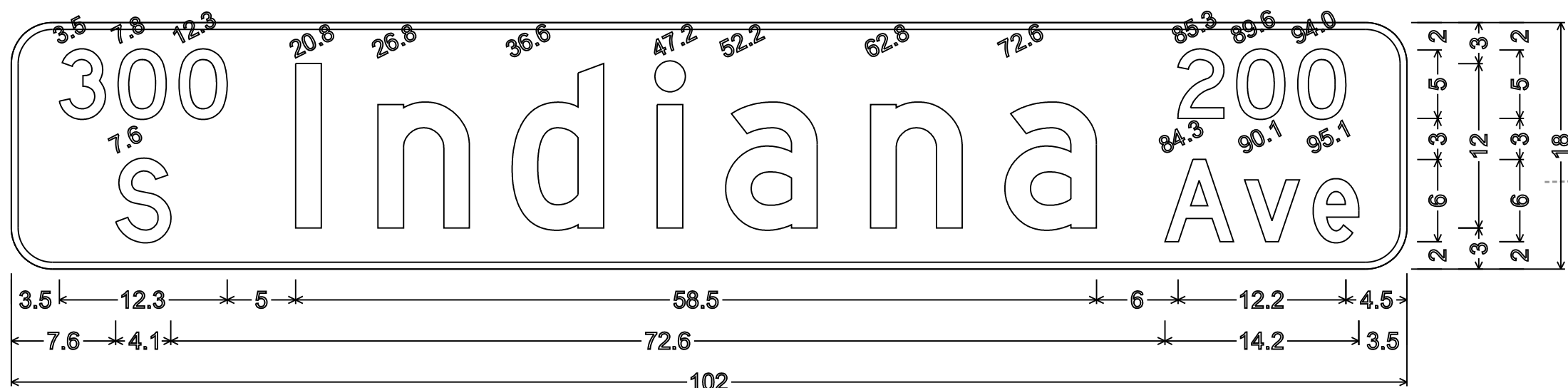
CITY OF BLOOMINGTON, INDIANA
SIGNING & STRIPING PLAN LINE "S-3RD"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE NONE	DESIGNATION XXXXXX
SURVEY BOOK	SHEETS
CONTRACT XXXXX	11 of 13 PROJECT XXXXXX

PROJECT NO. N/A

COMM. NO. N/A

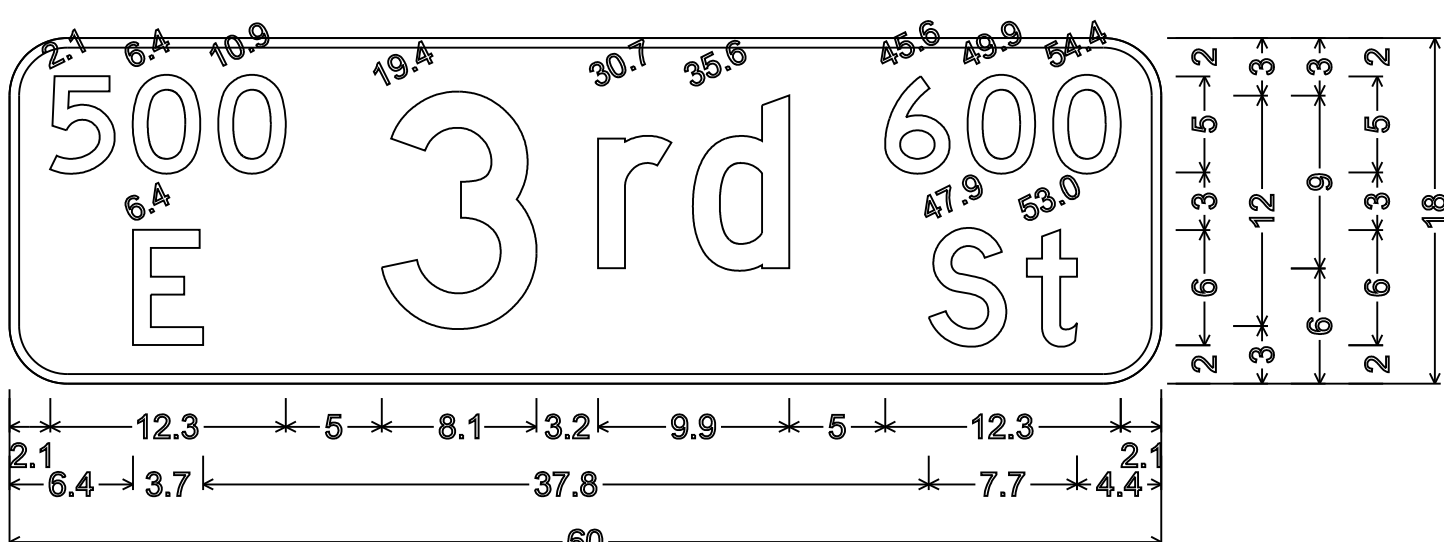
D3-1 SIGN DETAILS



3.0" Radius, 0.5" Border, White on Green;
*300" D; *S" D; *Indiana" D; *200" D; *Ave" D;

Pedestal and Mast Arm Data (Line "S-3RD")			
No.	Station	Offset	Description
P1	11+65.65	30.41 LT	Signal Dual Arm Cantilever Structure
P2	11+76.19	22.69 LT	Signal Pedestal 15'
P3	12+16.46	23.78 LT	Signal Pedestal 15'
P4	12+24.18	18.54 RT	Signal Pedestal 11'
P5	12+10.90	26.39 RT	Signal Pedestal 15'
P6	11+60.32	26.21 RT	Signal Pedestal 15'

D3-1 SIGN DETAILS



3.0" Radius, 0.5" Border, White on Green;
*500" D; *E" D; *3rd" D; *600" D; *St" D;

NOTES:

- THE EXISTING ELECTRICAL SERVICE SHALL REMAIN AND BE REUSED FOR THE NEW TRAFFIC SIGNAL INSTALLATION.
- THE CONTRACTOR SHALL LEAVE A NYLON PULL CORD IN ALL CONDUITS.
- THE COMBINATION MAST ARM ASSEMBLY SHALL CONSIST OF DUAL 35' CANTILEVER SIGNAL MAST ARMS AND A SINGLE 12' TRUSS-TYPE ARM FOR THE LUMINAIRE. THE MOUNTING HEIGHT OF THE LUMINAIRE SHALL BE 35'.
- THE LUMINAIRE SHALL BE EQUIPPED WITH AN INDIVIDUAL PHOTOCELL.
- LIGHTING CABLE SHALL BE PLACED IN ITS OWN CONDUIT, SEPARATE FROM SIGNAL CABLE.
- SEE THE SIGNING & STRIPING PLAN FOR EXACT PAVEMENT MARKINGS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING ALL SIGNAL CABLE AND SIGNAL HANDHOLES, SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER. PORTIONS OF THE EXISTING CONDUITS THAT INTERFERE IN ANY WAY WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED. EXISTING CONDUITS THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE CAPPED AND ABANDONED IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE COST OF ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC SIGNAL EQUIPMENT, REMOVE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY. ITEMS TO BE SALVAGED AND RETURNED TO THE CITY OF BLOOMINGTON ARE SPECIFIED IN 805-T-084.
- THE EXISTING RADIO EQUIPMENT FOR THE TRAFFIC SIGNAL INTERCONNECT SHALL BE REMOVED FROM THE EXISTING CONTROLLER CABINET AND RETURNED TO THE CITY OF BLOOMINGTON.
- A SINGLE-POLE 15A CIRCUIT BREAKER SHALL BE PROVIDED IN THE NEW CONTROLLER CABINET FOR THE NEW LUMINAIRE.
- ALL EXISTING SIGNS MOUNTED TO TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED, EXCEPT THAT THE HONORARY STREET NAME SIGN ON THE EXISTING SIGNAL DUAL ARM CANTILEVER STRUCTURE SHALL BE INSTALLED ON THE NEW SIGNAL DUAL ARM CANTILEVER STRUCTURE AS DIRECTED BY THE ENGINEER. THE COST OF ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THIS WORK SHALL BE INCLUDED IN THE COST OF SIGN, SHEET, REMOVE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REMOVAL AND REINSTALLATION OF THE HONORARY STREET NAME SIGN SHALL BE PAID FOR AS SIGN, SHEET, RELOCATE.
- THE COST TO REPAIR OR REPLACE DAMAGED OR LOST SALVAGEABLE TRAFFIC SIGNAL EQUIPMENT AND SIGNS SHALL BE AT NO ADDITIONAL COST TO THE CITY.
- THE PEDESTRIAN SIGNAL HEADS SHALL BE PLACED SO THAT THE HOUSINGS WILL BE ABLE TO BE OPENED WITHOUT REQUIRING THE PEDESTRIAN SIGNAL HEAD BE ROTATED OR MOVED.
- CONTRACTOR SHALL BE AWARE WHEN PROGRAMMING THE CONTROLLER THAT THE PHASING IS DIFFERENT AT THIS LOCATION WHEN COMPARED TO OTHER SIGNAL LOCATIONS ALONG 3RD STREET.
- THE CONTRACTOR SHALL INPUT THE SIGNAL TIMINGS, PROVIDED BY THE ENGINEER AT THE PRE-CONSTRUCTION MEETING. PRIOR TO SIGNAL EQUIPMENT INSTALLATION. IMPLEMENTATION OF SIGNAL TIMINGS SHALL BE INCLUDED IN THE COST OF CONTROLLER AND CABINET, P1.
- AN AI-500-085-02 GLANCE PREEMPT AND PRIORITY VIDEO CAPABLE FMU MANUFACTURED BY APPLIED INFORMATION SHALL BE PROVIDED IN THE CONTROLLER CABINET.

6+00

SIGNAL LEGEND

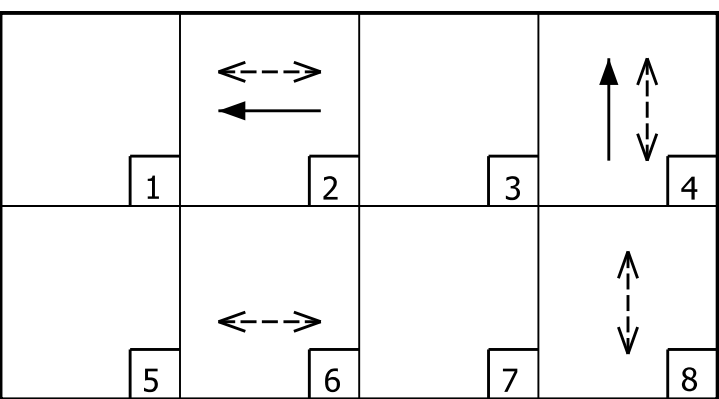
- EXISTING CONDUIT
- NEW 2" GALVANIZED STEEL CONDUIT
- EXISTING HANDHOLE
- NEW HANDHOLE, TYPE I
- EXISTING SIGNAL DUAL ARM CANTILEVER STRUCTURE & FOUNDATION
- NEW SIGNAL DUAL ARM CANTILEVER STRUCTURE WITH POLE SECTION 2 ON NEW "SPECIAL" FOUNDATION
- EXISTING SIGNAL PEDESTAL & FOUNDATION
- NEW SIGNAL PEDESTAL ON NEW "A" FOUNDATION
- NEW 1-WAY, 3-SECTION (12" RED, 12" AMBER, 12" GREEN) SIGNAL INDICATION WITH BACKPLATE
- 1-WAY, 3-SECTION (12" RED, 12" AMBER ARROW, 12" FLASHING AMBER ARROW) SIGNAL INDICATION WITH BACKPLATE
- EXISTING TRAFFIC SIGNAL CONTROLLER & CABINET
- NEW TS2 CONTROLLER & "P-1" CABINET WITH UNINTERRUPTIBLE POWER SUPPLY ON NEW "P-1 MODIFIED" FOUNDATION
- NEW PEDESTRIAN COUNTDOWN SIGNAL HEAD, INTERNATIONAL SYMBOLS, 18"
- NEW APS PUSH-BUTTON (QUANTITY SHOWN)
- NEW 120V LUMINAIRE WITH PHOTOCELL ON 12' TRUSS-TYPE ARM, 35' LUMINAIRE MOUNTING HEIGHT
- EXISTING UTILITY POLE
- NEW TRAFFIC SIGN (AS INDICATED)
- NEW STREET NAME SIGN (AS INDICATED)
- 1 WIRE, NO. 4 COPPER IN PLASTIC DUCT, 4-1/C

UTILITY LEGEND

- Ex. Electric Utilities
- Ex. Water Utilities
- Ex. Sanitary & Storm Sewer Utilities

SIGN LEGEND

- NO TURN ON RED
- ONE WAY
- ONE WAY
- 500 E 3rd St
- 300 S Indiana Ave
- ONE WAY
- ONE WAY
- ONE WAY



All callouts described from Line "S-3RD", unless otherwise shown.

DESIGNED: JAJ
CHECKED: JAL

DRAWN: JAJ
CHECKED: JAL

COMM. NO. N/A

DESIGNED BY: DATE:

CITY OF BLOOMINGTON, INDIANA

DESIGN ENGINEER

9/30/2020
DATE

TRAFFIC SIGNAL PLAN
S INDIANA AVENUE & E 3RD STREET
BLOOMINGTON, INDIANA
MONROE COUNTY

KEVIN M. HEIRICK
REGISTERED
NO. PE10707495
STATE OF INDIANA
PROFESSIONAL ENGINEER

CONTRACT NO.

SCALE: 1" = 10'

DES. NO.
XXXXX

PROJECT NO.
XXXXXX

SHEET
12

TOTAL
13

