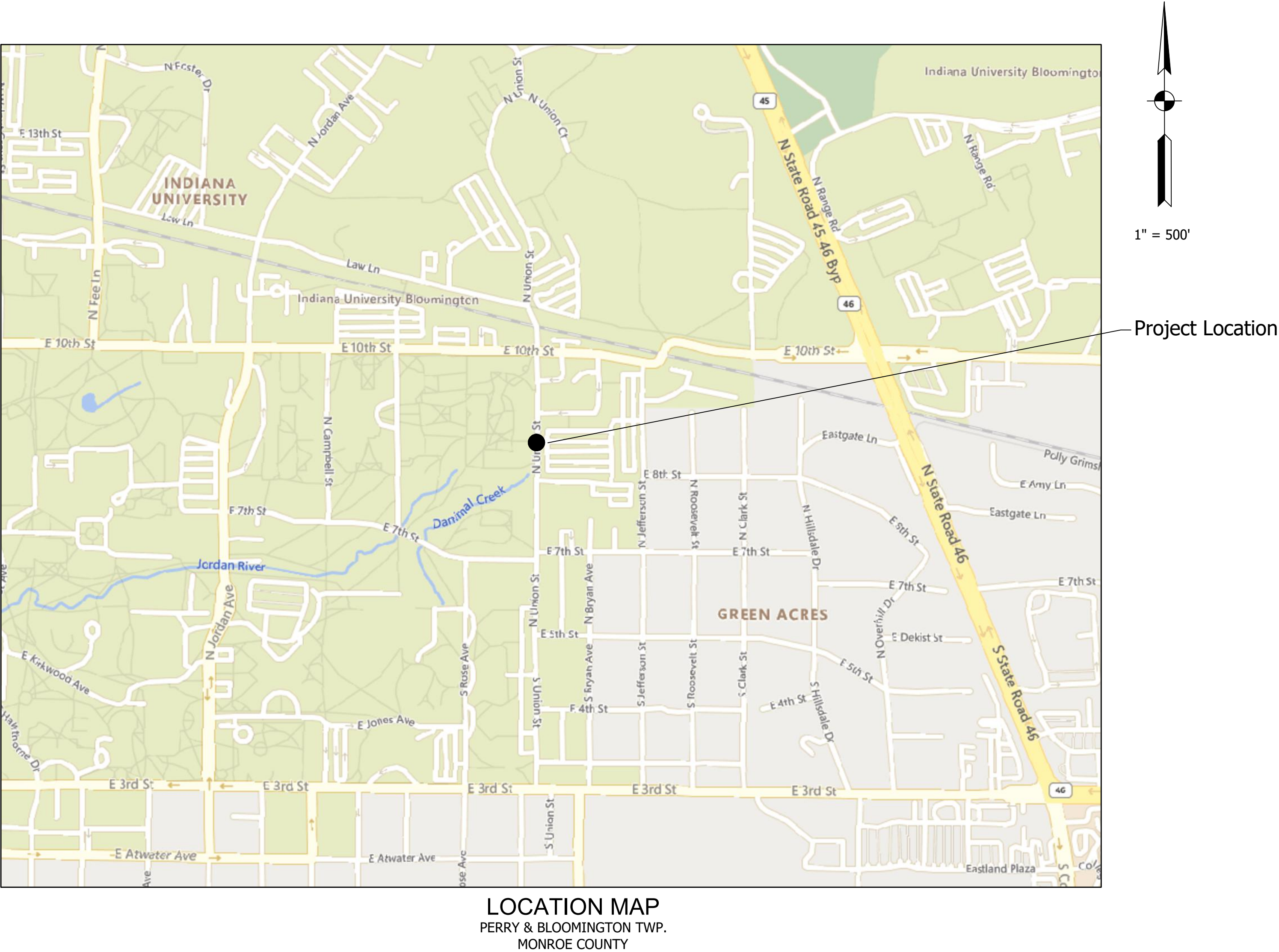


CITY OF BLOOMINGTON

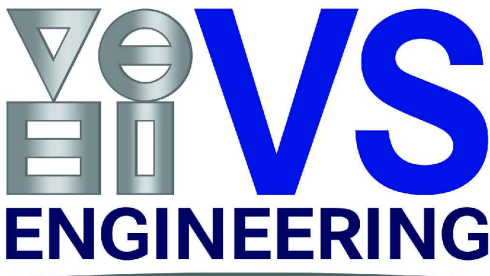
UNION STREET RAISED CROSSWALK

RAISED PEDESTRIAN CROSSWALK LOCATED IN SECTION 34 OF TOWNSHIP 9 NORTH
RANGE 1 WEST, 2ND PRINCIPAL MERIDIAN BLOOMINGTON TOWNSHIP



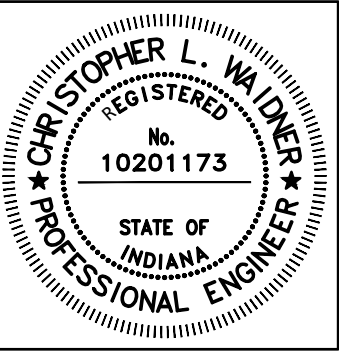
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS

DIRECTORY.....F:\2023\2305364 Bloomington Xwalks\30 SheetDwg\01 TH-Index
FILE.....5364 Title Union Street.dwg
DIMSCALE:1 LTSCALE:500
PLOTTED BY: Alex Mroczka
DATE: Jul 14, 2025 - 3:06pm



4275 North High School Road
Indianapolis, IN 46254
P: 317.293.3542
F: 317.293.4737
vsei@vsengineering.com
www.vsengineering.com

PLANS PREPARED BY:	VS ENGINEERING, INC.	FAX: (317) 293-4737 TEL: (317) 293-3542
CERTIFIED BY:	 Christopher L. Waidner, P.E.	PHONE NUMBER 7/14/2025 DATE
APPROVED FOR LETTING:	INDIANA REG. NO. 10201173 CITY OF BLOOMINGTON DATE	



CONTRACT		DESIGNATION	
N/A		N/A	
PROJECT		SHEETS	
VS 2305364		1 of 6	

DIRECTORY:....F:\2023\2305364 Bloomington Xwalks 30 SheetDwg\08 MOTI
FILE:.....5364 Union Street MOT.dwg
DIMS:.....1 LTSCALE:.....1
PLOT:.....Jul 14, 2025 - 3:10pm



DETOUR

SOUTH

UNION ST

1

DETOUR

NORTH

UNION ST

5

9

DETOUR

SOUTH

UNION ST

2

DETOUR

NORTH

UNION ST

6

10

DETOUR

SOUTH

UNION ST

3

DETOUR

NORTH

UNION ST

7

11

END DETOUR

SOUTH

UNION ST

4

END DETOUR

NORTH

UNION ST

8

XM4-8
24" X 12"

M3-3
24" X 12"

D3-1
-" X -"

M6-3
21" X 15"

XM4-8
24" X 12"

M3-3
24" X 12"

D3-1
-" X -"

M6-1 (R)
21" X 15"

XM4-8
24" X 12"

M3-3
24" X 12"

D3-1
-" X -"

M6-1 (L)
21" X 15"

XM4-8a
18" X 24"

M3-3
24" X 12"

D3-1
-" X -"

M6-3
21" X 15"

LEGEND

DETOUR ROUTE

CONSTRUCTION SIGN W/ TYPE A LIGHT

CONSTRUCTION SIGN

CONSTRUCTION SIGN W/ DOUBLE TYPE A LIGHT

BARRICADE, AS NOTED

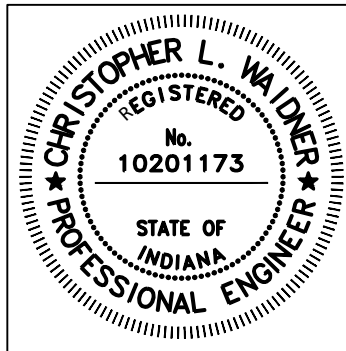
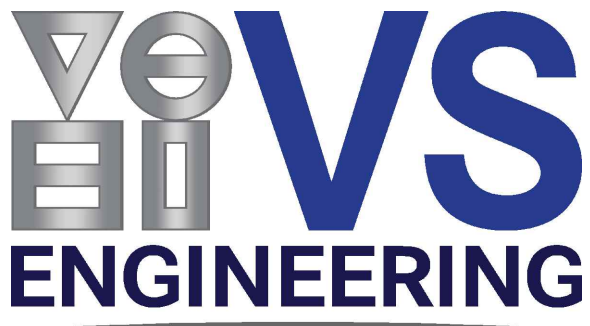
DIRECTION OF DETOUR

CONSTRUCTION AREA

MAINTENANCE OF TRAFFIC NOTES

1. Advanced warning signs shall be spaced at 100' unless otherwise specified.

2. Contractor to maintain access to drives at all times during construction.

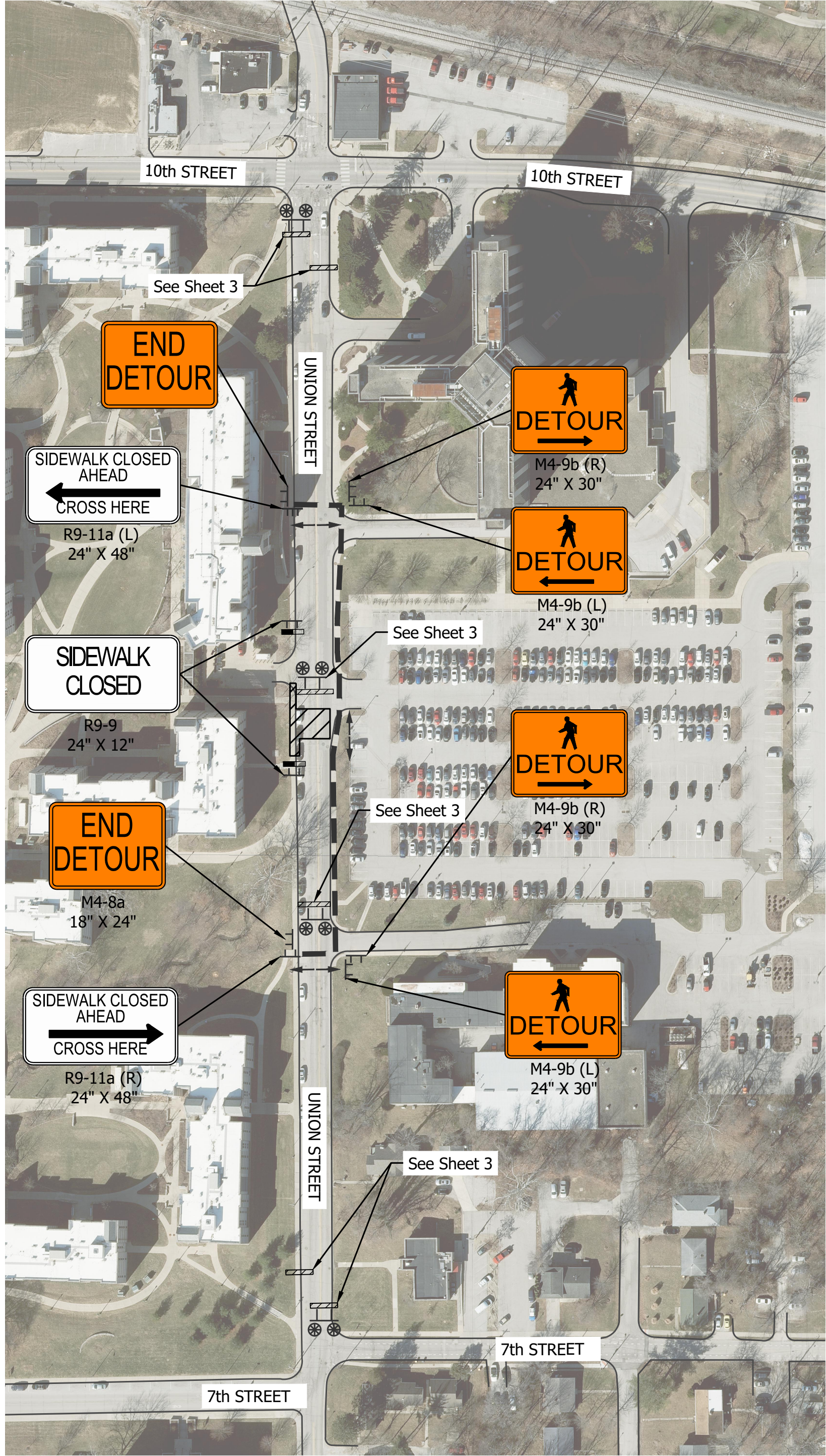


RECOMMENDED FOR APPROVAL		7/14/2025
DESIGN ENGINEER		DATE
DESIGNED: ABM	DRAWN: KC	
CHECKED: CLW	CHECKED: LT	

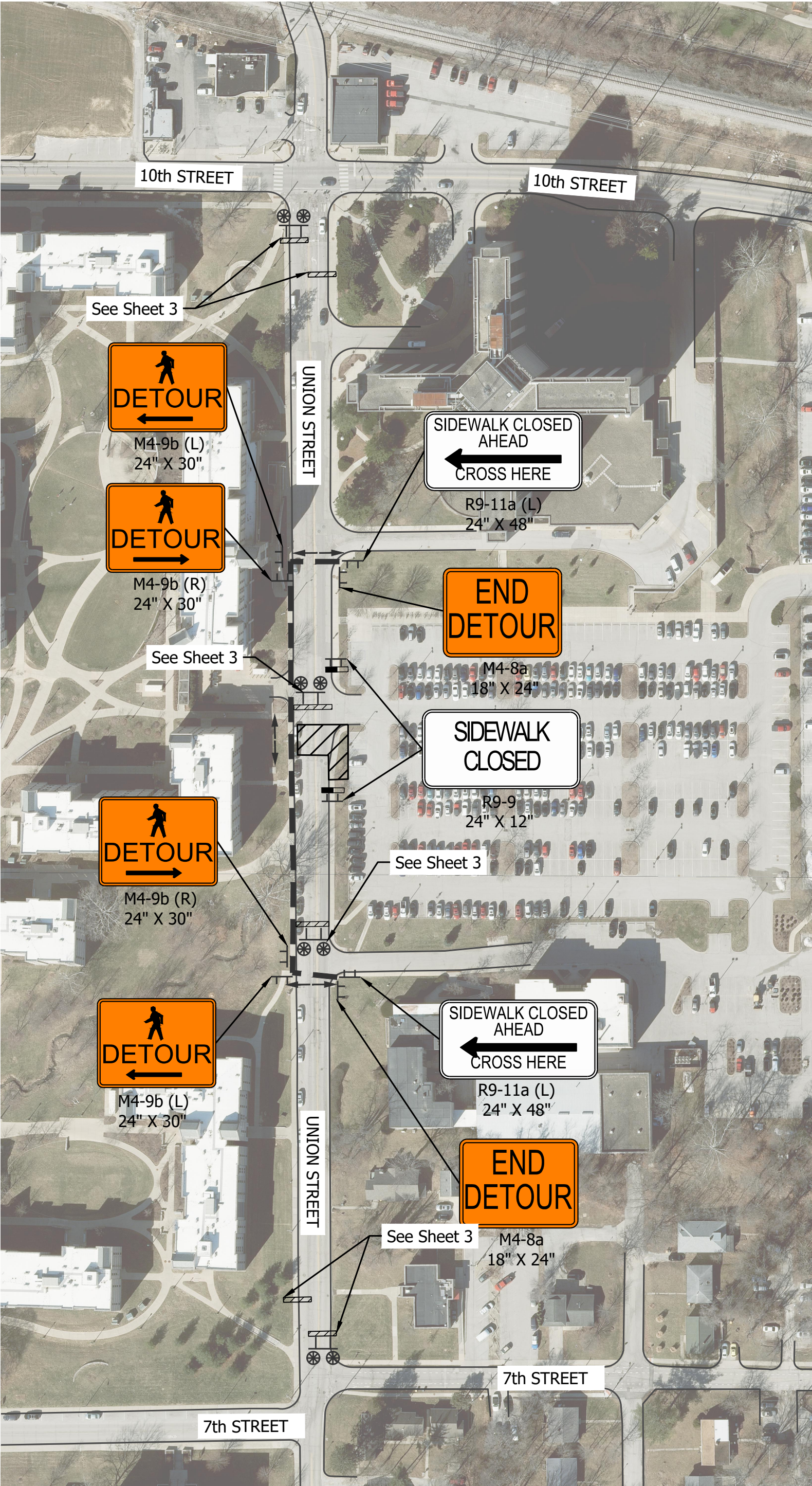
CITY OF BLOOMINGTON
MAINTENANCE OF TRAFFIC DETOUR ROUTE

HORIZONTAL SCALE 1" = 100'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION N/A
SURVEY BOOK N/A	SHEETS 3 of 6
CONTRACT N/A	PROJECT VS 2305364

DIRECTORY: F:\2023\2305364 Bloomington Xwalks\30 SheetDwg\08 MOT\
FILE: 5364 Union Street Pedestrian MOT.dwg
DIMS: 11 11 LTSCALE: 1
PLOT: AlexMrozka
DATE: Jul 14, 2025 - 3:09pm



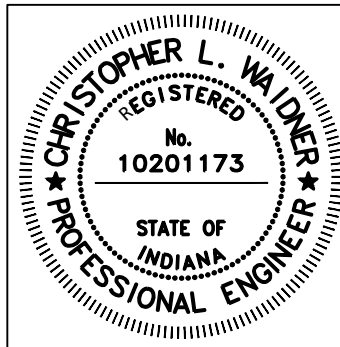
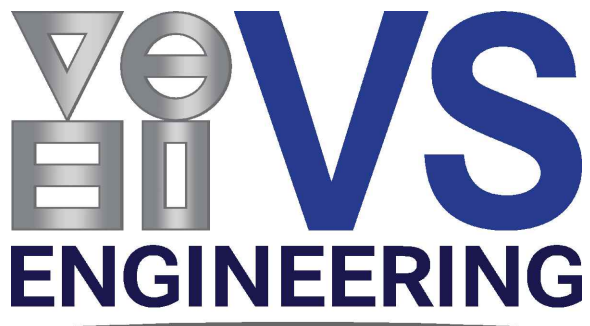
PEDESTRIAN MAINTENANCE OF TRAFFIC
PHASE I - DETOUR ROUTE



PEDESTRIAN MAINTENANCE OF TRAFFIC
PHASE II - DETOUR ROUTE

LEGEND

- PEDESTRIAN DETOUR ROUTE
- CONSTRUCTION SIGN
- CONSTRUCTION AREA
- PEDESTRIAN DETOUR DIRECTION
- TEMPORARY PEDESTRIAN CHANNELIZER



RECOMMENDED
FOR APPROVAL *Christopher L. W.* 7/14/2025
DESIGN ENGINEER DATE

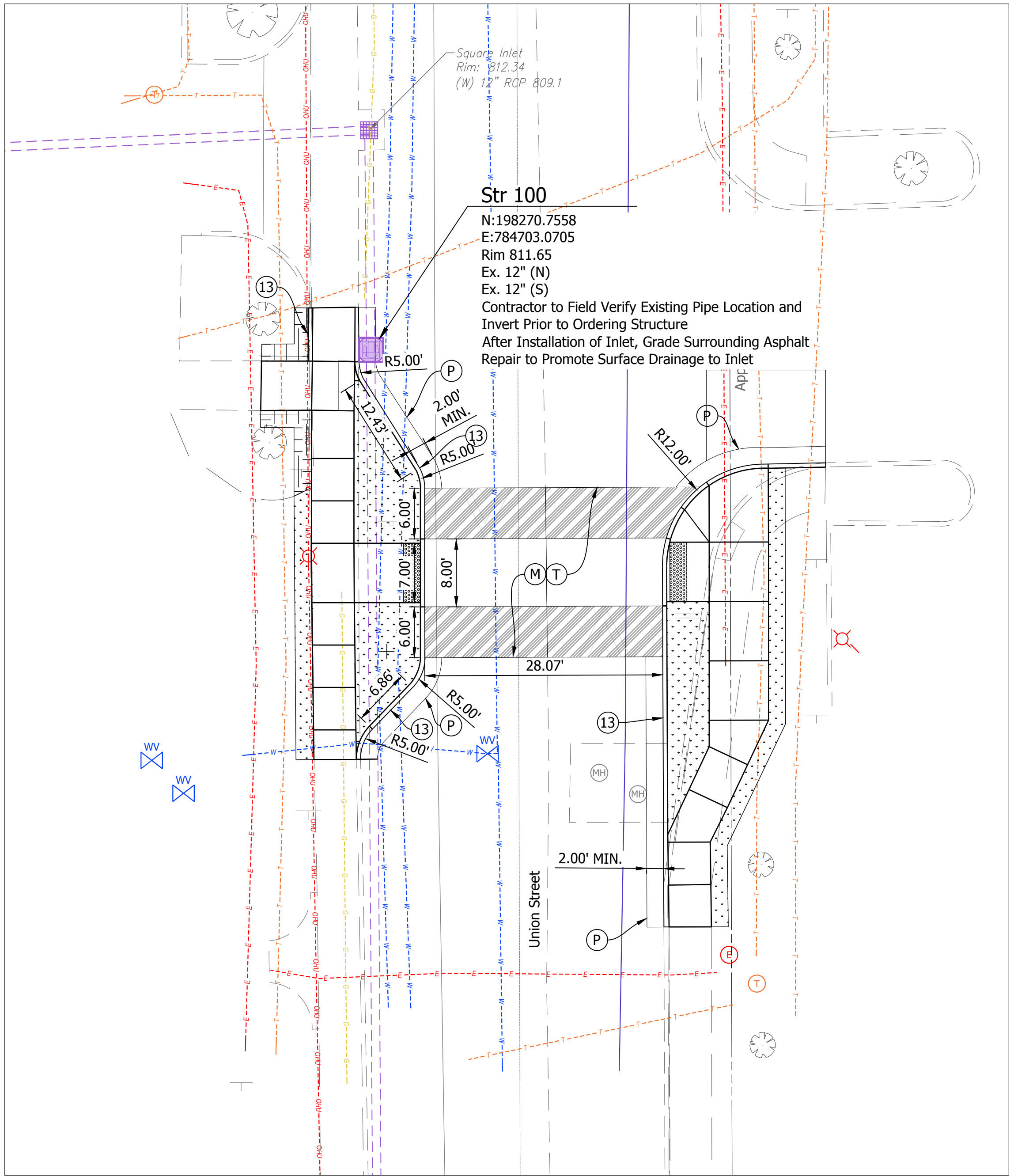
DESIGNED: ABM DRAWN: KC
CHECKED: CLW CHECKED: LT

CITY OF BLOOMINGTON

PEDESTRIAN MAINTENANCE OF
TRAFFIC

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	4 of 6
CONTRACT	PROJECT
N/A	VS 2305364

DIRECTORY:....F:\2023\2305364 Bloomington Xwalks\30 SheetDwg\13 ADA Details\
FILE:.....5364 Curb Ramp Dtls.dwg
DIMSCALE: 1/1 LTSCALE:.....1
PLOTTED BY: AlexMrozka
DATE:.....Jul 14, 2025 - 3:37pm



UNION STREET MID-BLOCK CROSSING

PLAN VIEW

SCALE: 1" = 10'

LEGEND

⑬ Curb, Concrete

F Sidewalk, Concrete, 4"

T Raised Crosswalk Consisting of 165#/syd HMA Surface Type B on, Wedge and Level Type B

M Milling, Asphalt, 1.5"

P Asphalt Surface Patching See City of Bloomington Standard Drawing SC-2

D HMA For Approaches 165#/syd HMA Surface Type B on, Wedge and Level Type B



Concrete Curb Ramp



Turning Space, 4' X 4'



Clear Space, 4' X 4'

XXX.XX

Proposed Elevation

XXX.XX

Existing Elevation

X.XX%

Slope and Direction



Detectable Warning Surface



Sodding



Raised Crosswalk Elevation Transition



Mulch



TC Top of Curb



BC Bottom of Curb

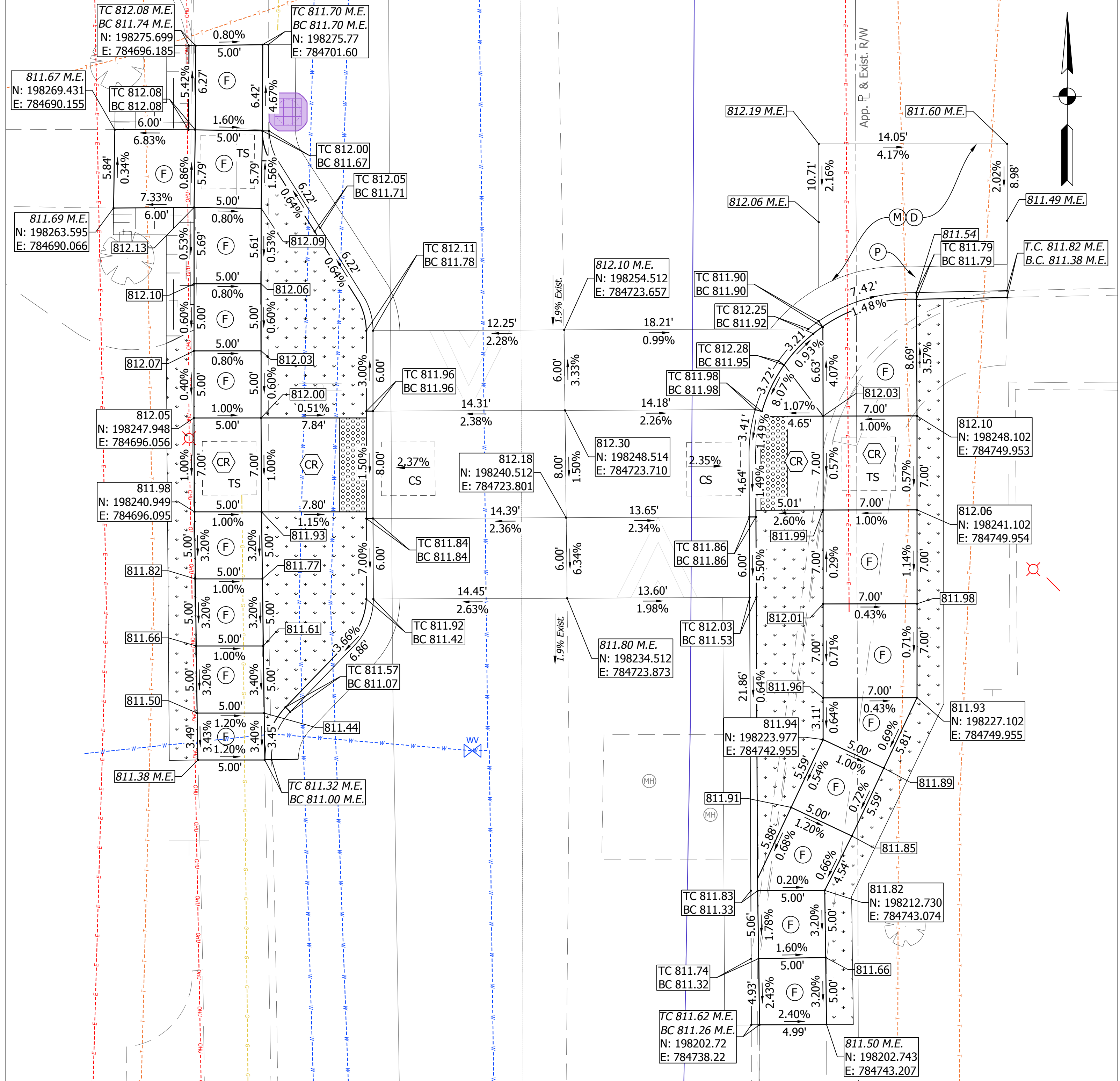


M.E. Match Existing

Notes:

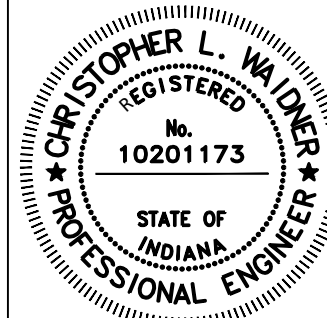
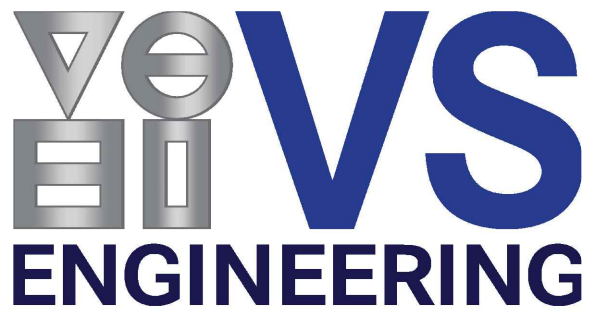
1. All areas within the construction limits to be sodded unless otherwise noted.

UNION ST	AREA (SYS)
DETECTABLE WARNING SURFACE	3.2
CURB RAMP	19.3
SIDEWALK	63.4



UNION STREET MID-BLOCK CROSSING
CURB RAMP AND RAISED CROSSWALK DETAIL

SCALE: 1" = 5'



RECOMMENDED FOR APPROVAL *Christopher L. W. Dyer* 7/14/2025
DESIGN ENGINEER DATE

DESIGNED: ABM DRAWN: KC
CHECKED: CLW CHECKED: LT

CITY OF BLOOMINGTON

CURB RAMP DETAILS
UNION STREET MID-BLOCK CROSSING

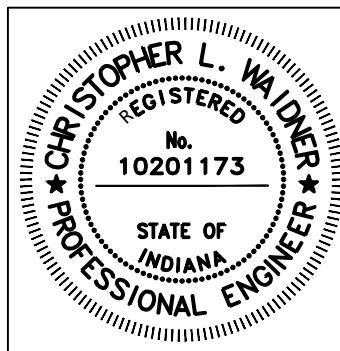
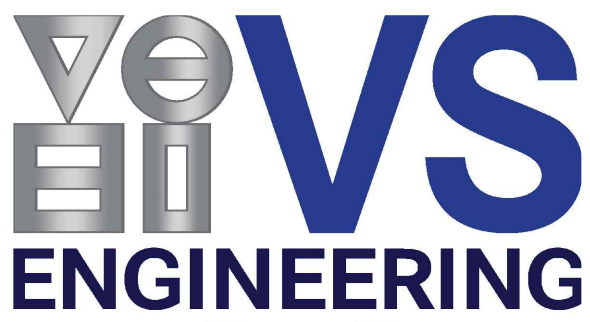
HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	5 of 6
CONTRACT	PROJECT
N/A	VS 2305364

DIRECTORY: F:\2023\2305364 Bloomington Xwalks 30 SheetDwg\23 PM Plan\
FILE: 5364 PM Plan.dwg
DIMS: 11 LTSCALE: 0.1
PLOT: AlexMrozka
DATE: Jul 14, 2025 - 3:39pm

LEGEND

- (40) Line, Thermoplastic, Solid, White, 12"
- (41) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24"
- (51) Remove Existing Sheet Sign & Supports
- (52) Existing Sheet Sign on New Supports
- Sign
- Double-Sided Sign

SHEET SIGN & POST SUMMARY										
SIGN								POST		
SIGN LOCATION	SIGN CODE	DESCRIPTION	SIGN SIZE (IN x IN)	REMOVE	RELOCATE	GROUND - MOUNTED SIGN AREA (ft ²)		MOUNTED ON OVHD STR.	SQUARE	SQUARE
									TYPE 1	WOOD, 4" X 6"
									REINFORCED ANCHOR	EMBEDMENT, 42"
									POST LENGTH (FT.)	
UNION	W17-1	SPEED HUMP	36X36			9.00			12.00	
UNION	W13-1	ADVISORY SPEED PLAQUE 20 MPH	18X18			2.25				
UNION	N/A	2 HOUR PARKING	N/A		1				9.50	
UNION	N/A	NO PARKING	N/A		1					12.00
UNION	W11-2	PEDESTRIAN CROSSING	36X36				9.00		11.50	
UNION	W16-7P	DIAGONAL ARROW	24X12				2.00			
UNION	W11-2	PEDESTRIAN CROSSING	36X36				9.00		11.50	
UNION	W16-7P	DIAGONAL ARROW	24X12				2.00			
UNION	W17-1	SPEED HUMP	36X36			9.00			12.00	
UNION	W13-1	ADVISORY SPEED PLAQUE 20 MPH	18X18			2.00				
TOTAL						22.25	22.00		56.50	12.00



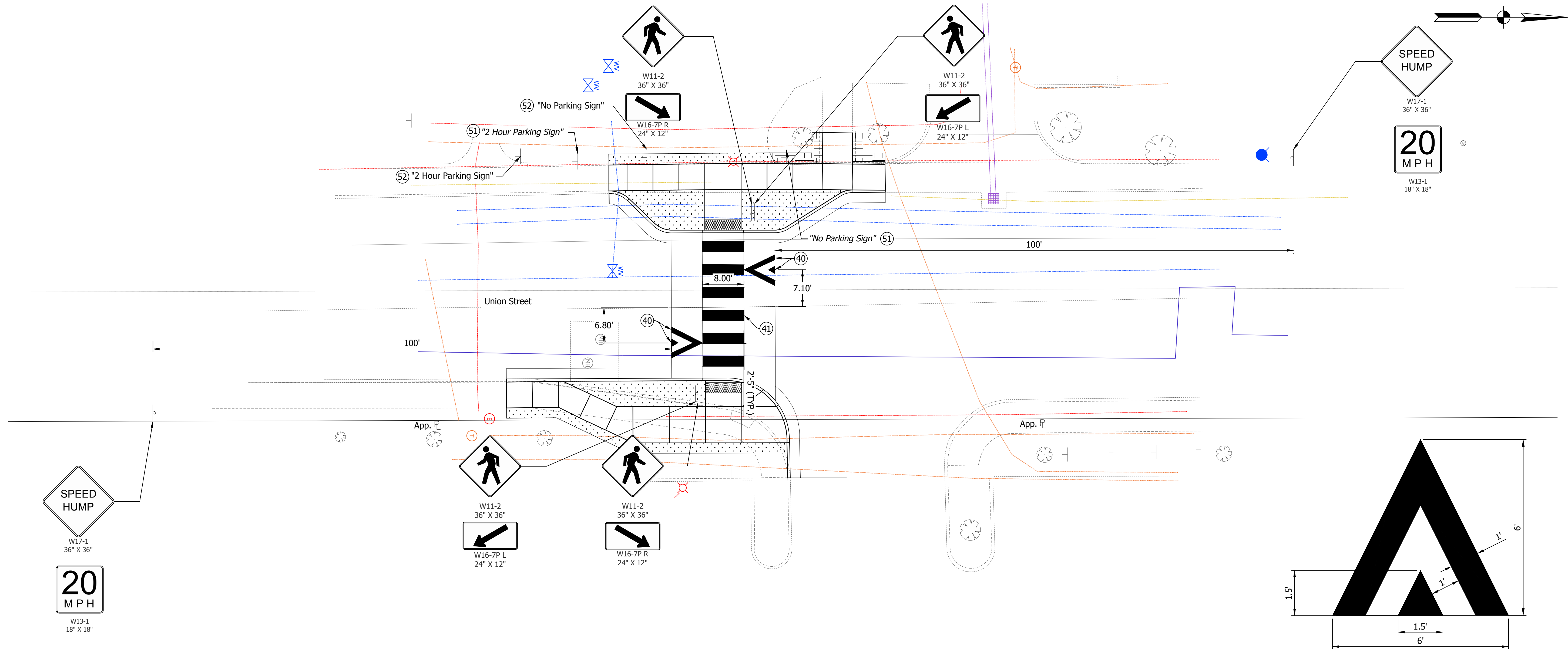
RECOMMENDED FOR APPROVAL *Christopher L. Wilder* 7/14/2025
DESIGN ENGINEER DATE

DESIGNED: ABM DRAWN: KC
CHECKED: CLW CHECKED: LT

CITY OF BLOOMINGTON

PAVEMENT MARKING AND SIGNAGE

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	6 of 6
CONTRACT	PROJECT
N/A	VS 2305364



RAISED CROSSWALK MARKING DETAIL

PAVEMENT MARKINGS SUMMARY OF QUANTITIES		
LOCATION	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE	TRANSVERSE MARKING, THERMOPLASTIC, LINE
	SOLID WHITE 24 in ft	SOLID WHITE 12 in ft
	48	27
Union St Mid-Block Crossing	48	27
Total	48	27