

# CITY OF RICHMOND, VIRGINIA

## DEPARTMENT OF PUBLIC WORKS

### TRANSPORTATION ENGINEERING DIVISION



# FRANKLIN STREET CYCLE TRACK

## N LOMBARDY STREET TO N BELVIDERE STREET

CITY PROJECT NO. 23000004285

#### INDEX OF SHEETS

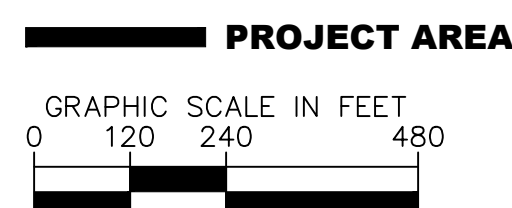
SHEET TITLE	SHEET NO.
TITLE SHEET	1
GENERAL NOTES AND LEGEND	2
TYPICAL DETAILS	3
SIGNING AND MARKING PLANS	4-6
TRAFFIC SIGNAL MODIFICATIONS	7

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE CITY OF RICHMOND.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE CITY OF RICHMOND DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS, 2016 VDOT ROAD AND BRIDGE STANDARDS, 2009 FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL, AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC VERSION OF THE PLAN ASSEMBLY INCLUDING ALL REVISIONS.

ALL WORK IS CONTAINED WITHIN EXISTING RIGHT-OF-WAY AND NO PROPOSED RIGHT-OF-WAY OR PERMANENT EASEMENTS ARE REQUIRED.

THE ORIGINAL SIGNED/APPROVED TITLE SHEET, INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE CITY OF RICHMOND DEPARTMENT OF PUBLIC WORKS OFFICE.



#### LOCATION MAP

**MARCH 2024**

#### REVISIONS

NO.	DATE	COMMENTS

#### CITY OF RICHMOND

##### APPROVED FOR CONSTRUCTION

DATE	PROJECT MANAGER
DATE	CITY TRANSPORTATION ENGINEER
DATE	MAINTENANCE ENGINEER
DATE	CAPITAL PROJECTS ADMINISTRATOR
DATE	CITY ENGINEER
DATE	DIRECTOR OF PUBLIC WORKS

PRE-FINAL PLANS  
THESE PLANS ARE UNFINISHED  
AND NOT APPROVED FOR  
CONSTRUCTION

OWNER:  
CITY OF RICHMOND  
DEPARTMENT OF PUBLIC WORKS  
900 E BROAD STREET, 7TH FLOOR, RICHMOND, VA  
PROJECT MANAGER - AFSHIN FAMILI, Ph.D  
CONTACT # 804-646-6334

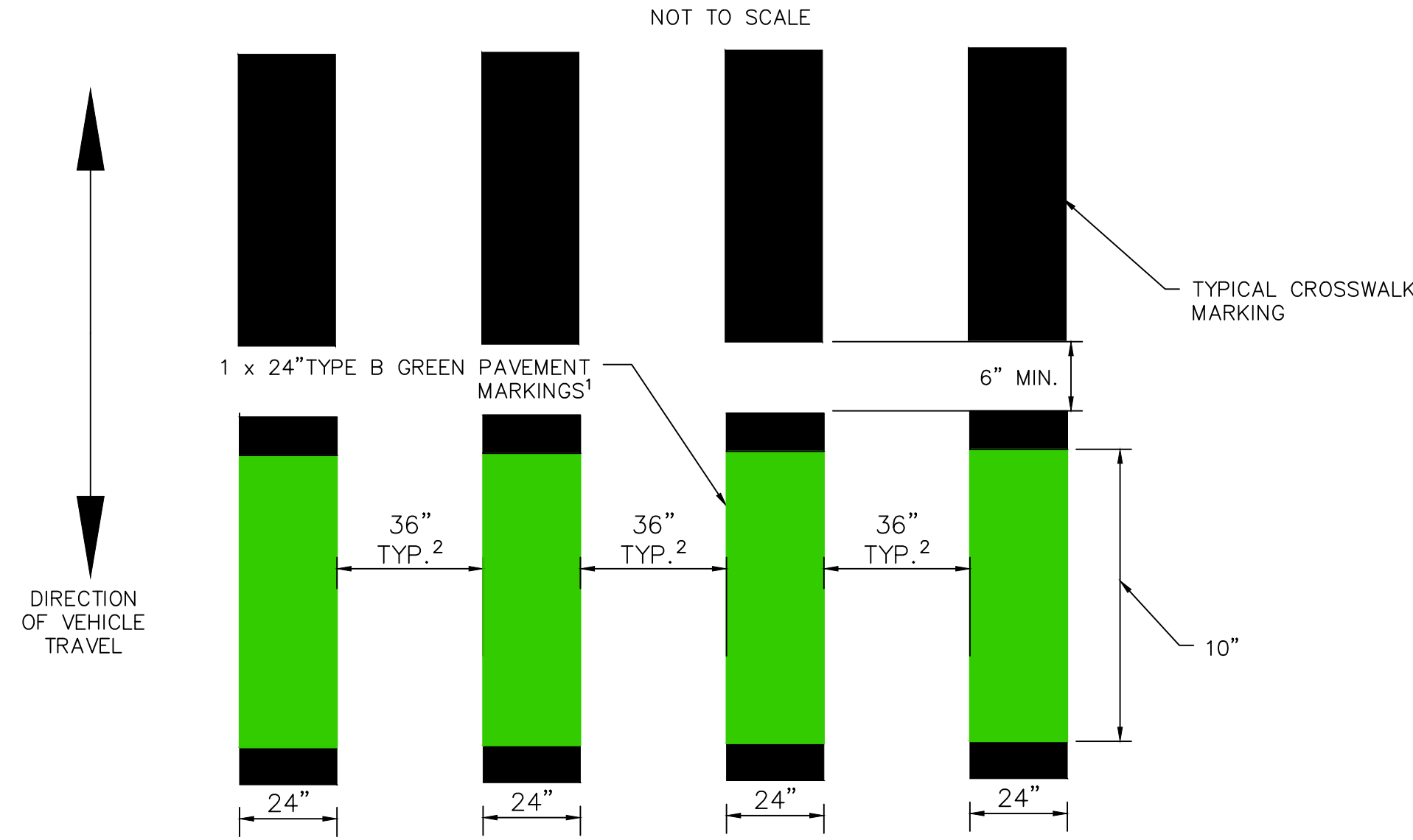
## Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.  
2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230  
PHONE: (804) 673-3882



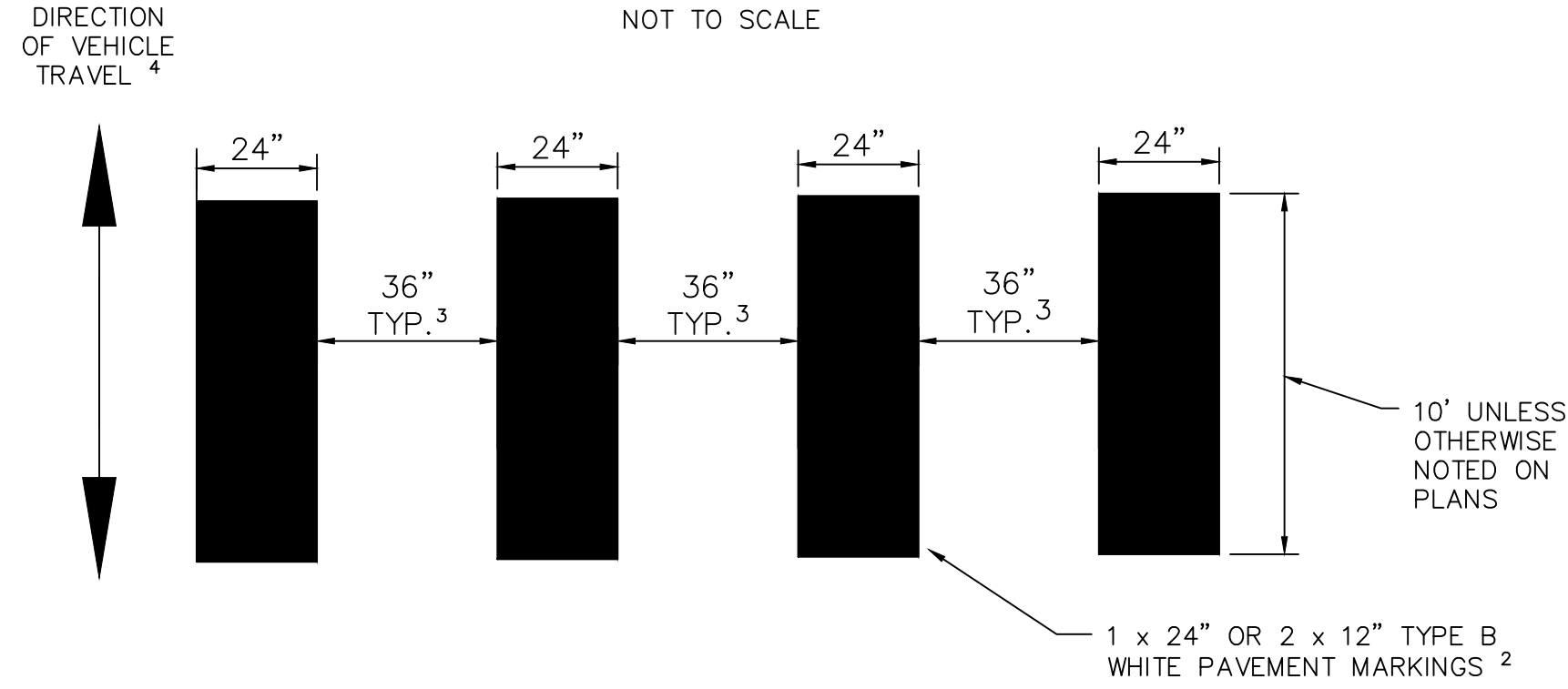
Plotted By: Breuninger, Evan  
 Sheet: Franklin Street Cycle Track  
 Layout: 3 - Typical Details  
 March 07, 2024  
 04:33:48pm  
 K:\RICHMOND\113457\_RIC\_Op\_Col\016\_Franklin Street Cycle Track\3 Project\_Docs\CADD\Sheet\3 - Details.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

**BICYCLE CROSSWALK MARKING AT STREET INTERSECTION**



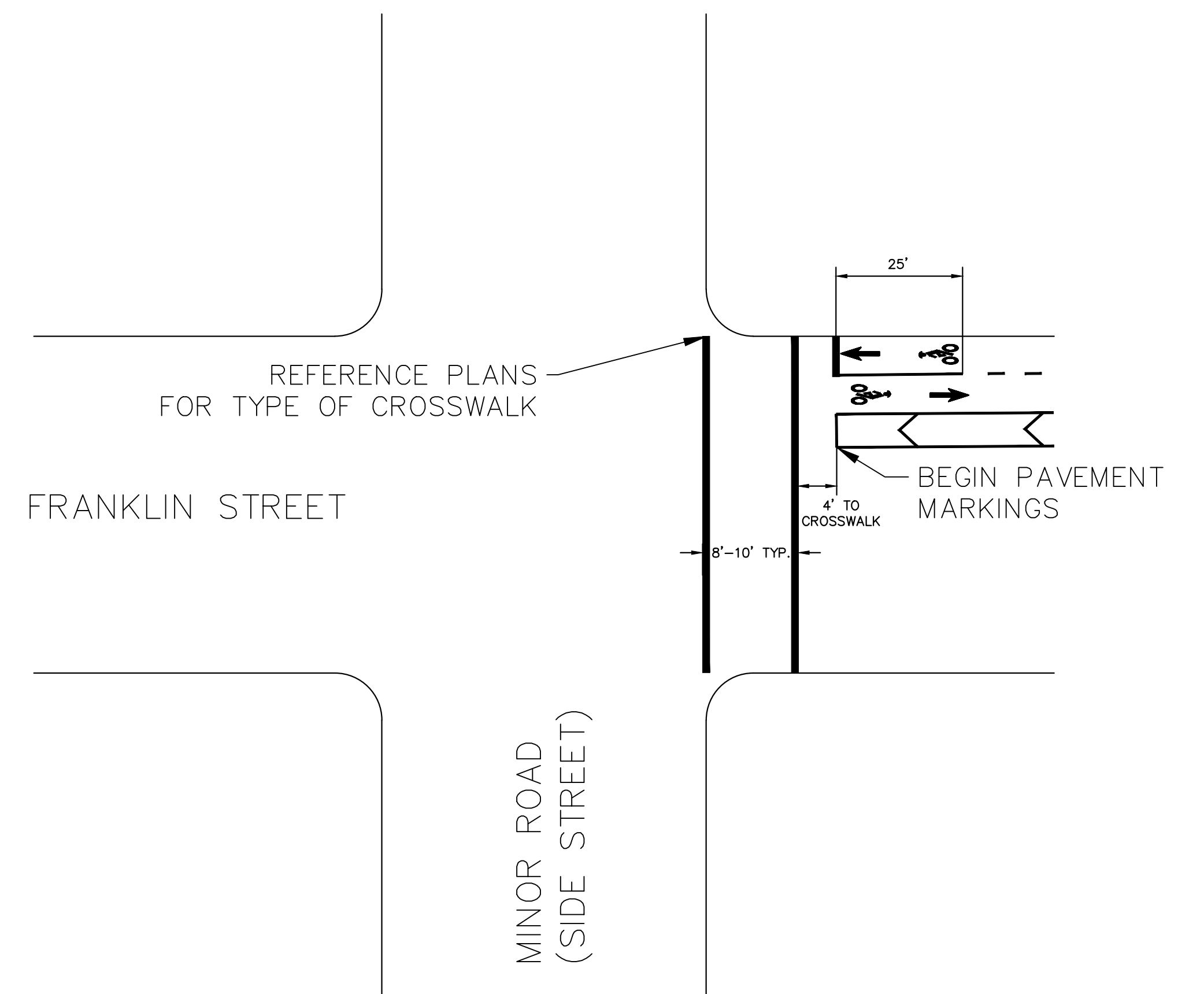
<sup>1</sup> SEE PLANS FOR CLASS OF PAVEMENT MARKINGS.  
<sup>2</sup> GAP BETWEEN MARKINGS TO BE 36" TYPICAL, BUT MAY BE BETWEEN 24" (MINIMUM) AND 48" (MAXIMUM) TO LOCATE MARKINGS OUTSIDE OF WHEEL PATHS OF VEHICLES.

**TYPICAL LONGITUDINAL CROSSWALK MARKING <sup>1</sup>**



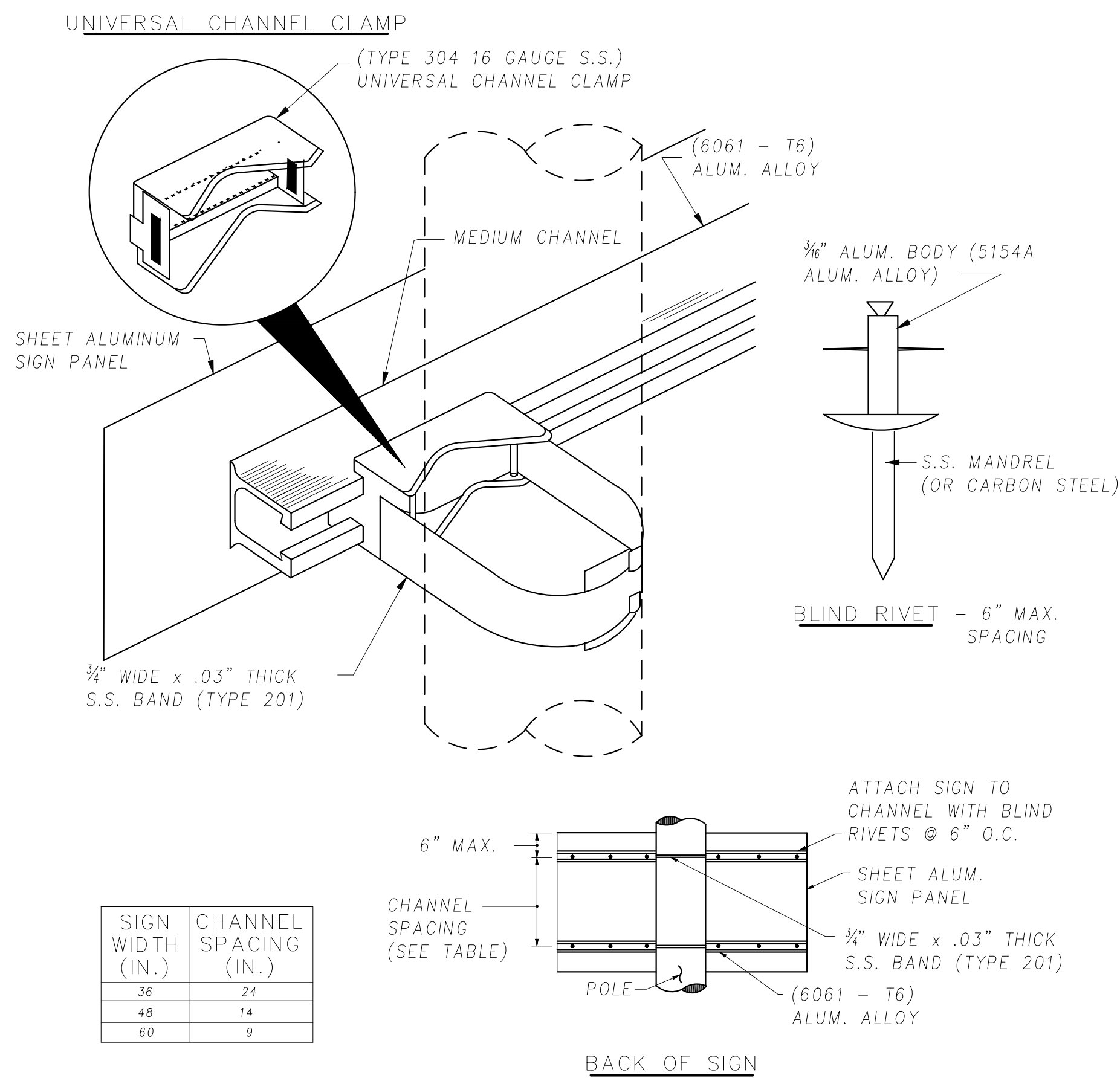
<sup>1</sup> CROSSWALKS SHALL BE INSTALLED NO CLOSER THAN 1' FROM THE EXTENSION OF THE EDGE OF THE ROADWAY OF THE INTERSECTING STREET.  
<sup>2</sup> SEE PLANS FOR CLASS OF PAVEMENT MARKINGS.  
<sup>3</sup> GAP BETWEEN MARKINGS TO BE 36" TYPICAL, BUT MAY BE MODIFIED BETWEEN 24" (MINIMUM) AND 48" (MAXIMUM) TO LOCATE MARKINGS OUTSIDE OF WHEEL PATHS OF VEHICLES.  
<sup>4</sup> LONGITUDINAL CROSSWALK LINES SHALL BE PARALLEL TO THE DIRECTION OF VEHICLE TRAVEL AND MAY NOT NECESSARILY BE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.

**INTERSECTION TREATMENT (TYP.) <sup>1</sup>**

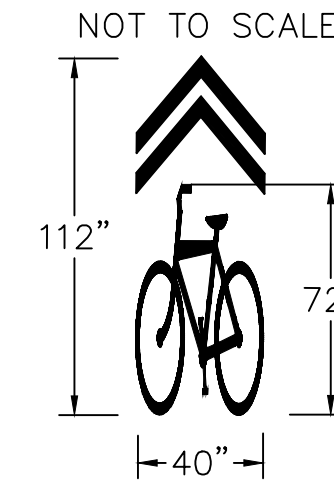


<sup>1</sup> WITHOUT CROSSWALK START PAVEMENT MARKINGS 4' FROM STOP BAR OR EDGE OF MINOR ROAD TRAVEL WAY.

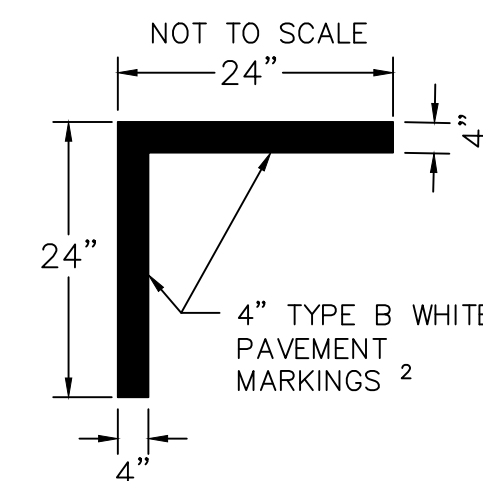
**SIGN ATTACHMENT DETAIL  
VERTICAL POLE INSTALLATION ONLY  
MAX. SIGN WIDTH = 5'-0"**



**SHARED LANE MARKING,  
FIGURE 9C-9  
FROM 2009 MUTCD**

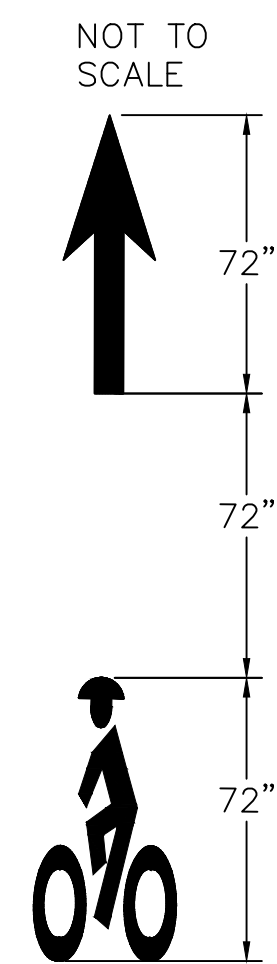


**CORNER CLEARANCE MARKING  
DETAIL <sup>1</sup>**



<sup>1</sup> CORNER CLEARANCE MARKINGS SHALL BE INSTALLED 8' FROM FACE OF CURB OR BUFFER.  
<sup>2</sup> SEE PLANS FOR CLASS OF PAVEMENT MARKINGS.

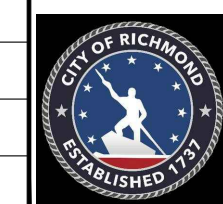
**HELMETED BICYCLE SYMBOL,  
FIGURE 9C-3  
FROM 2009 MUTCD**



**Kimley»Horn**

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.  
 2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230  
 PHONE: 804-673-3882  
 WWW.KIMLEY-HORN.COM

KHA PROJECT  
 113457016  
 DATE  
 NOVEMBER 2023  
 SCALE NTS  
 DESIGNED BY MKM  
 DRAWN BY MKM  
 CHECKED BY DMC



**CITY OF RICHMOND**  
**FRANKLIN STREET CYCLE TRACK**

CITY OF RICHMOND

VIRGINIA

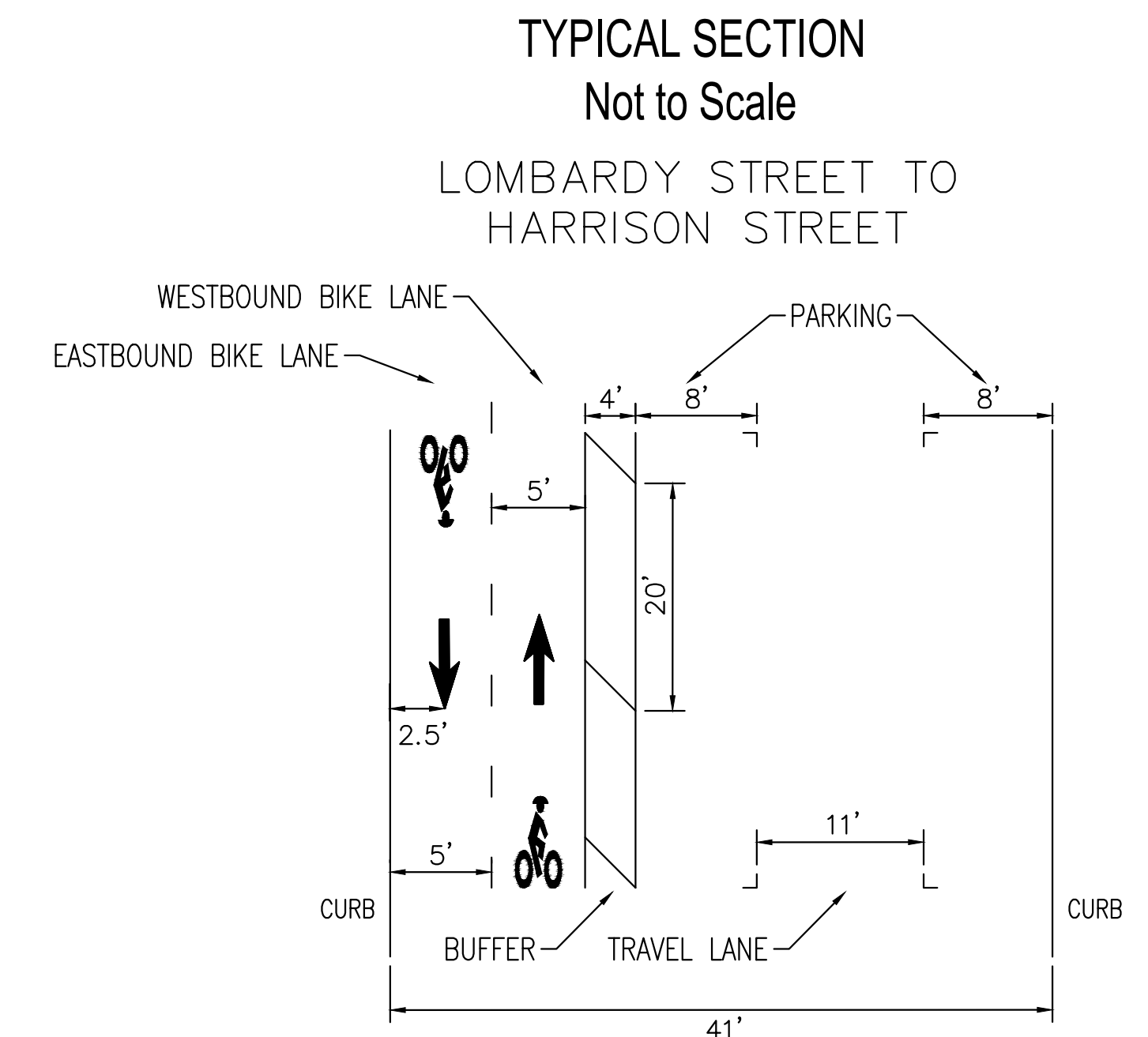
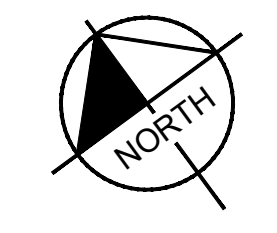
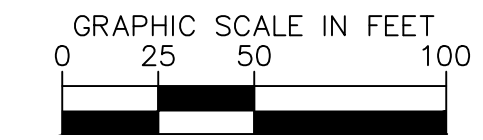
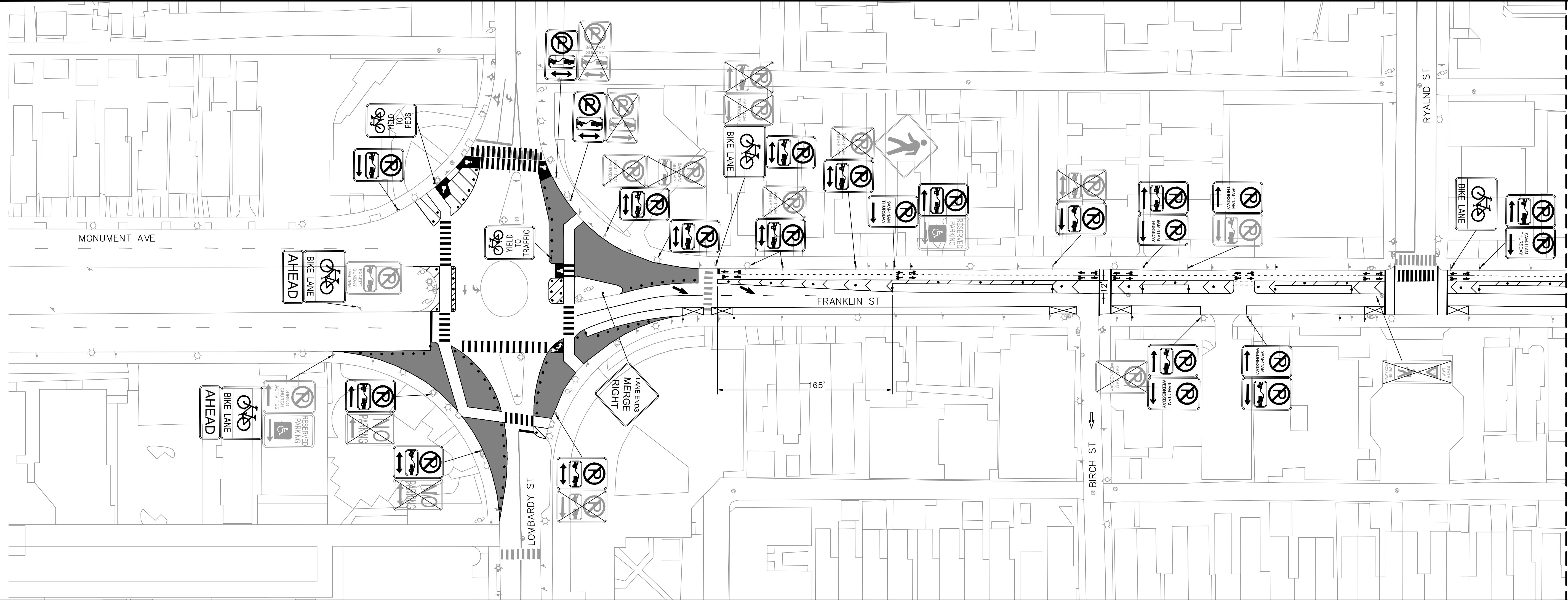
**TYPICAL DETAILS**

SHEET NUMBER

**3**

No.	REVISIONS	DATE	BY

Plotted By: Murray, Kelsey Sheet Set: Franklin Street Cycle Track Layout: 4.4 - LOMBARDY ST TO RYALND ST July 01, 2024 05:16:45pm K:\BIC\_IT\TO\113457\_BIC\_On\_Coll\016\_Franklin Street Cycle Track\3 Project Data\CADD\Sheetset\4 - Design.dwg  
 This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Review of and/or use of any part of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.  
 2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230  
 PHONE: 804-673-3882  
 WWW.KIMLEY-HORN.COM

KHA PROJECT 113457016
DATE JULY 2024
SCALE 1"=50'
DESIGNED BY MKM
DRAWN BY MKM
CHECKED BY DMC

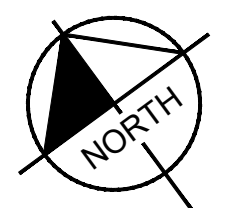
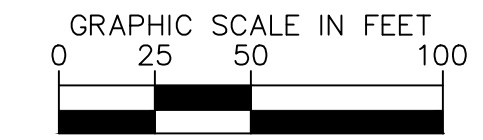
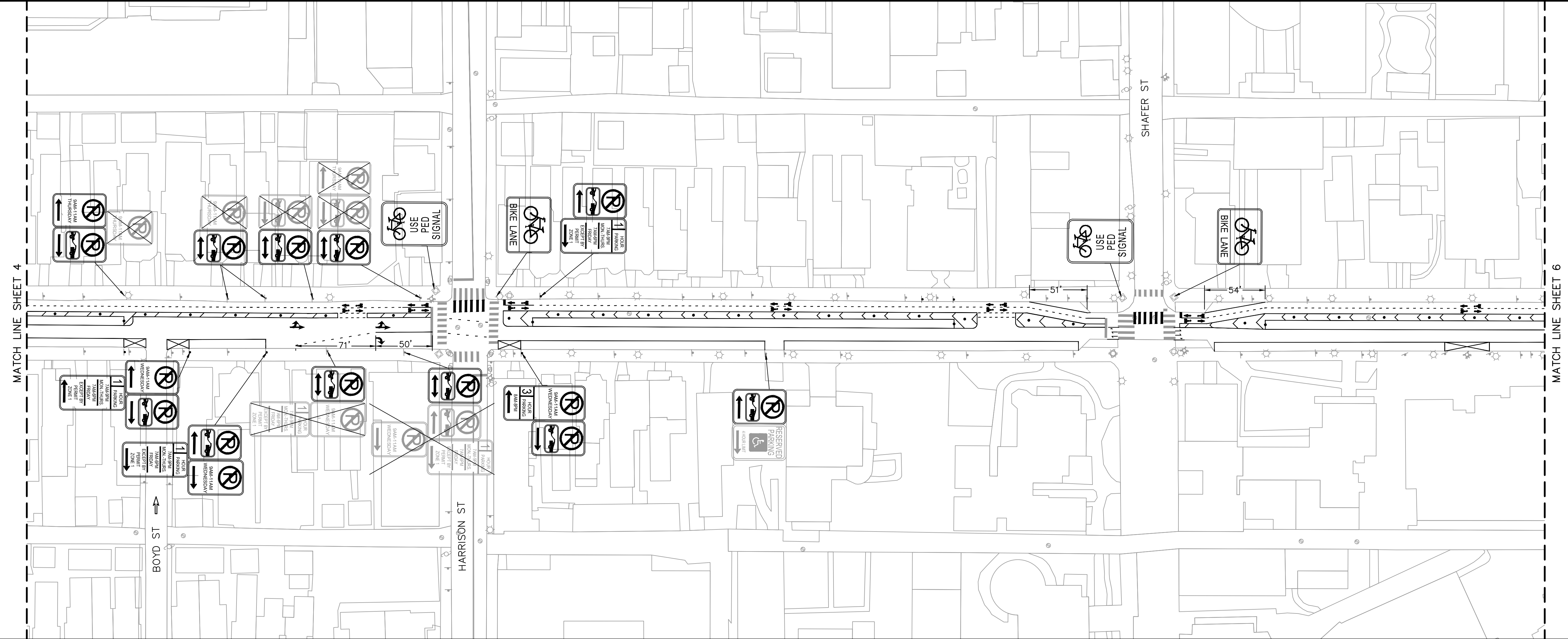
CITY OF RICHMOND  
 FRANKLIN STREET CYCLE TRACK

CITY OF RICHMOND      VIRGINIA

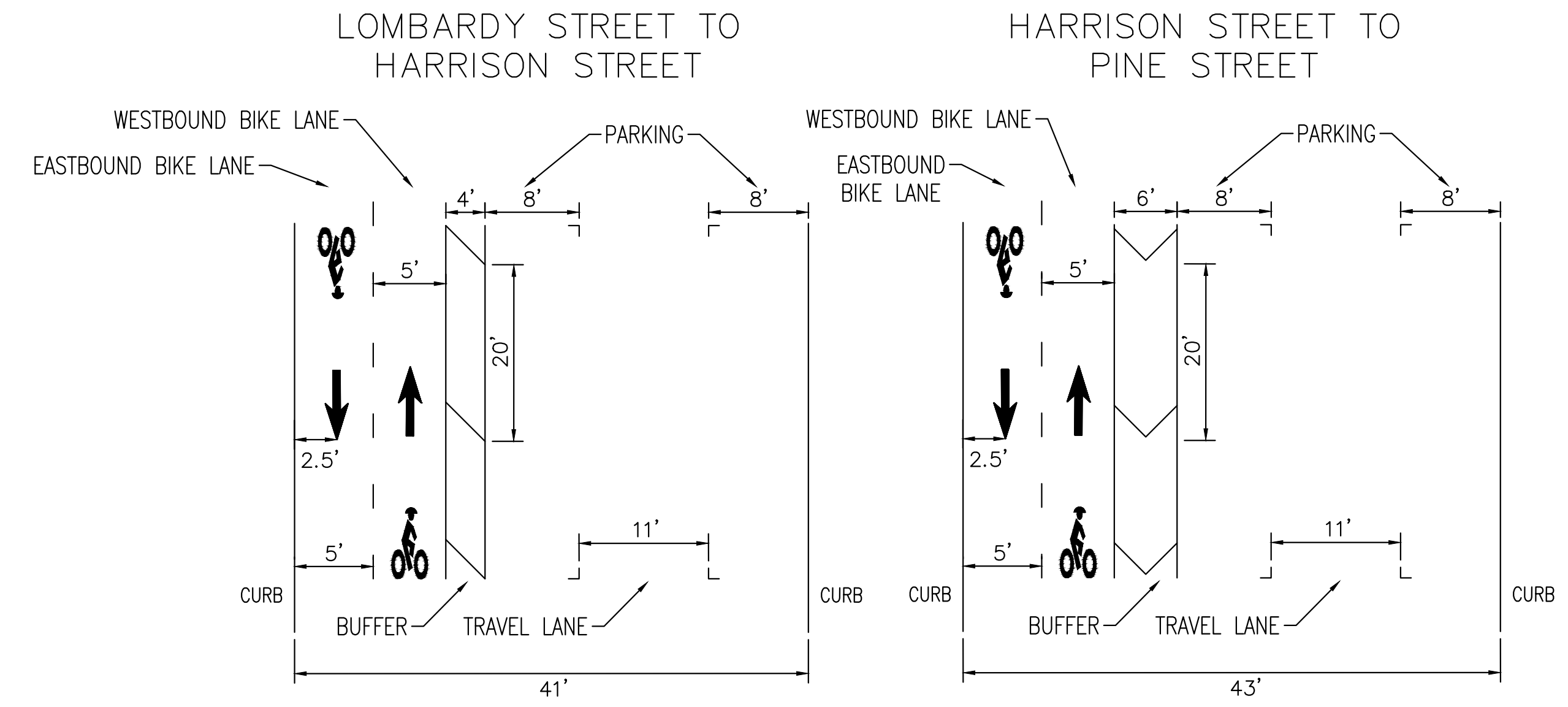
LOMBARDY STREET TO  
 BOYD STREET

SHEET NUMBER
4

Plotted By: Murray, Kelsey Sheet Set: Franklin Street Cycle Track Layout: 5 - BOYD ST TO SHAFER ST July 01, 2024 08:16:57pm K:\BIC\_TPTD\113457\_RIC\_On\_Coin\016\_Franklin Street Cycle Track\_V3\_Project\_Data\CADD\Sheets\5 - Design.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and/or reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



TYPICAL SECTION  
Not to Scale



No.	REVISIONS	DATE	BY

**Kimley»Horn**

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.  
 2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230  
 PHONE: 804-673-3882  
 WWW.KIMLEY-HORN.COM

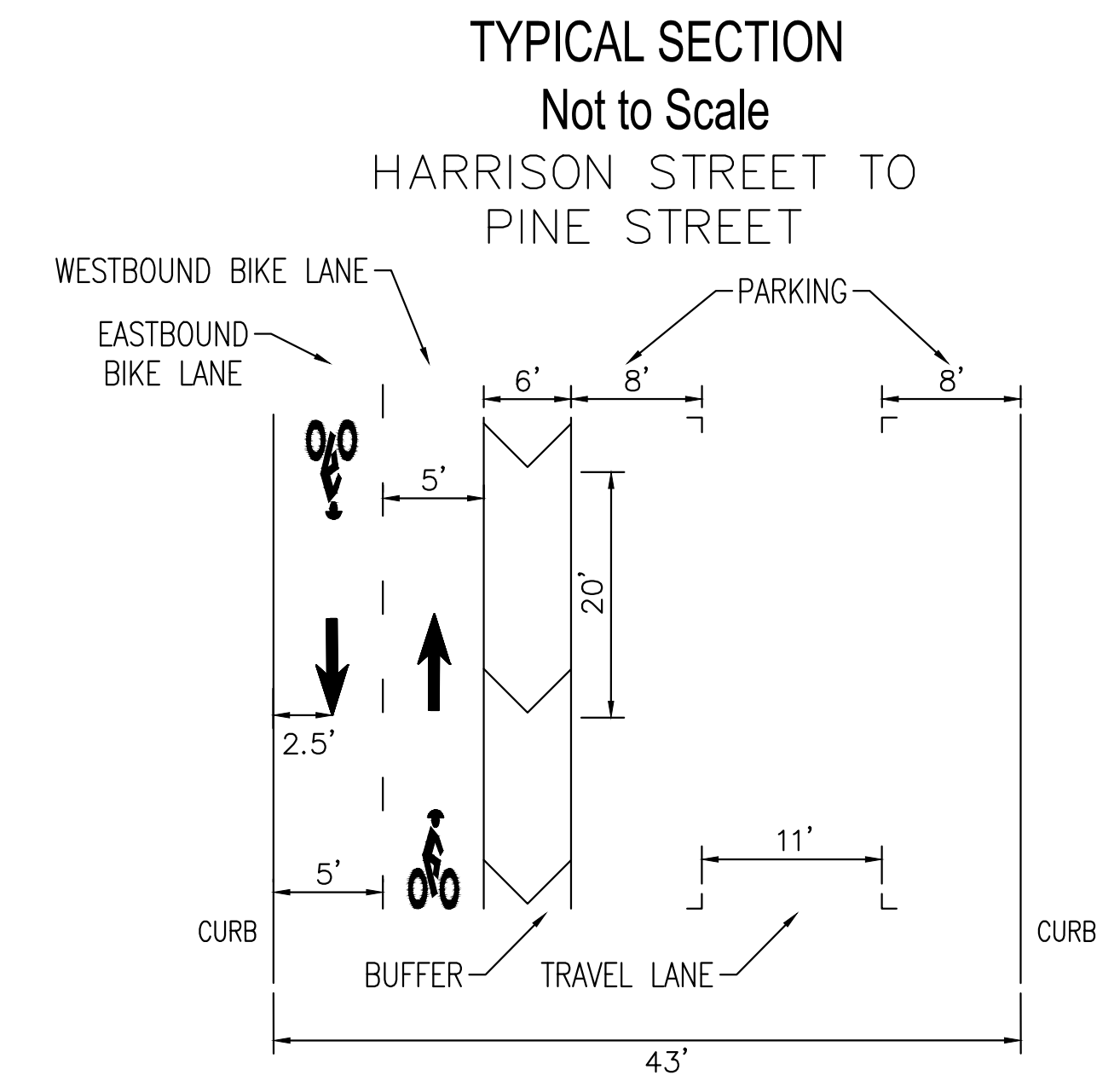
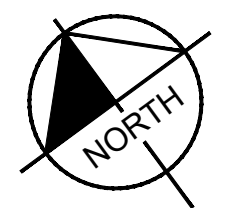
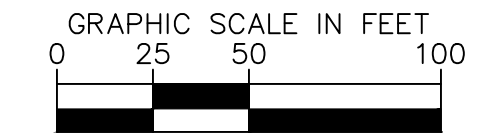
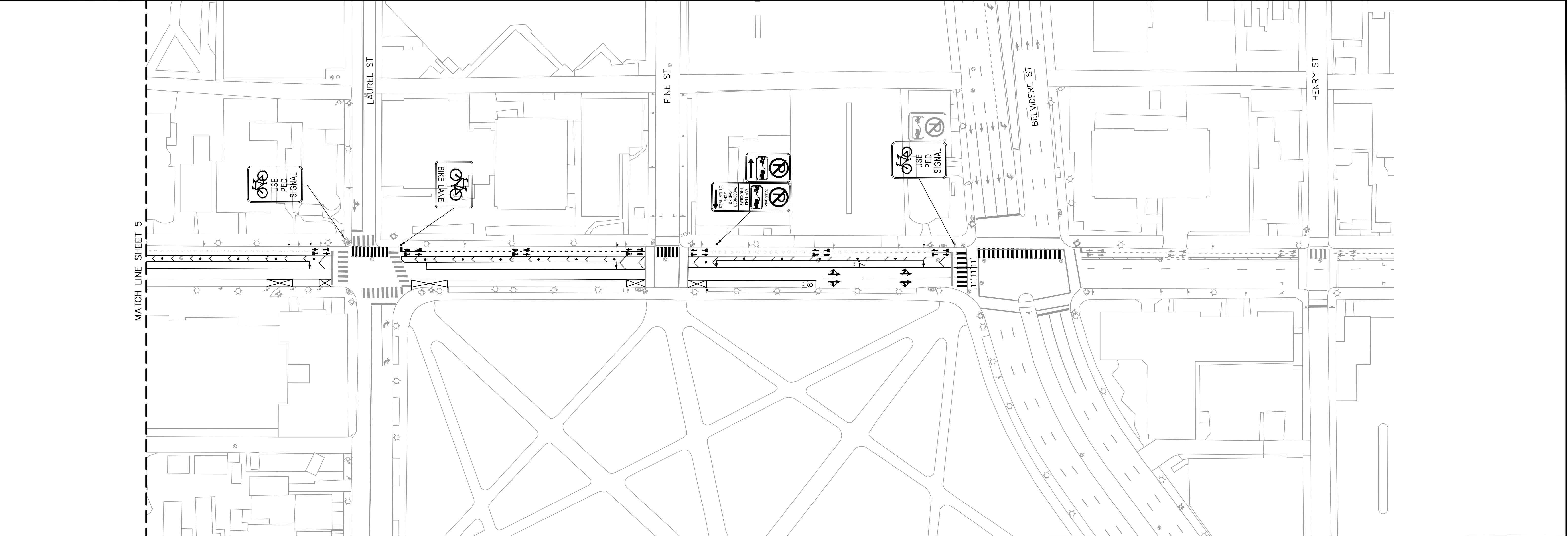
KHA PROJECT 113457016
DATE JULY 2024
SCALE 1"=50'
DESIGNED BY MKM
DRAWN BY MKM
CHECKED BY DMC

**CITY OF RICHMOND**  
**FRANKLIN STREET CYCLE TRACK**  
**CITY OF RICHMOND**      VIRGINIA

**BOYD STREET TO  
SHAHER STREET**

SHEET NUMBER  
**5**

Plotted By: Murrey, Kelsey  
 Sheet Set: Franklyn Street Cycle Track - Layout: 6.6 - LAUREL ST TO BELVIDERE ST - July 01, 2024 - 06:17:07pm  
 K:\R\C\113457\_RIC\_Co\_Col\1016\_Franklyn Street Cycle Track\_V3 Project Docs\CADD\Sheetset\4 - Design.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and/or use of any part of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

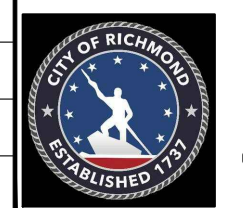


No.	REVISIONS	DATE	BY

Kimley»Horn

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.  
 2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230  
 PHONE: 804-673-3882  
 WWW.KIMLEY-HORN.COM

KHA PROJECT 113457016
DATE JULY 2024
SCALE 1"=50'
DESIGNED BY MKM
DRAWN BY MKM
CHECKED BY DMC



CITY OF RICHMOND  
 FRANKLIN STREET CYCLE TRACK  
 VIRGINIA

LAUREL STREET TO  
 HENRY STREET

SHEET NUMBER  
**6**