

# METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY, TENNESSEE

## ALTA LOMA RD BIKEWAY IMPROVEMENTS (APPROX. 0.31 L.M.) FROM RAILROAD BRIDGE TO GALLATIN PIKE N SEPTEMBER 2024



LOCATION MAP:  
SCALE: 1"=500'

### DRAWING INDEX

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8. PROPOSED LAYOUT/ GLEAVES STREET INTERSECTION

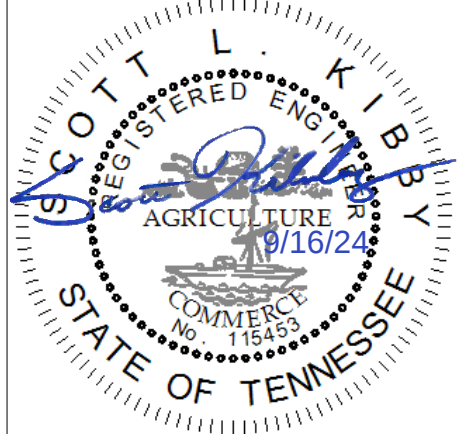
COUNCIL DISTRICT: 10  
COUNCIL MEMBER: JENNIFER FRENSLEY WEBB



LDA ENGINEERING

| REV | DATE | REVISION DESCRIPTION |
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METROPOLITAN GOVERNMENT OF NASHVILLE  
AND DAVIDSON COUNTY, TENNESSEE  
ALTA LOMA RD BIKEWAY IMPROVEMENTS  
FROM RAILROAD BRIDGE TO GALLATIN PIKE N



PROJECT NUMBER: NDT418  
DATE: 09-2024 SCALE: AS SHOWN  
DRAWN BY: JEP DESIGNED BY: MMY

SHEET TITLE:

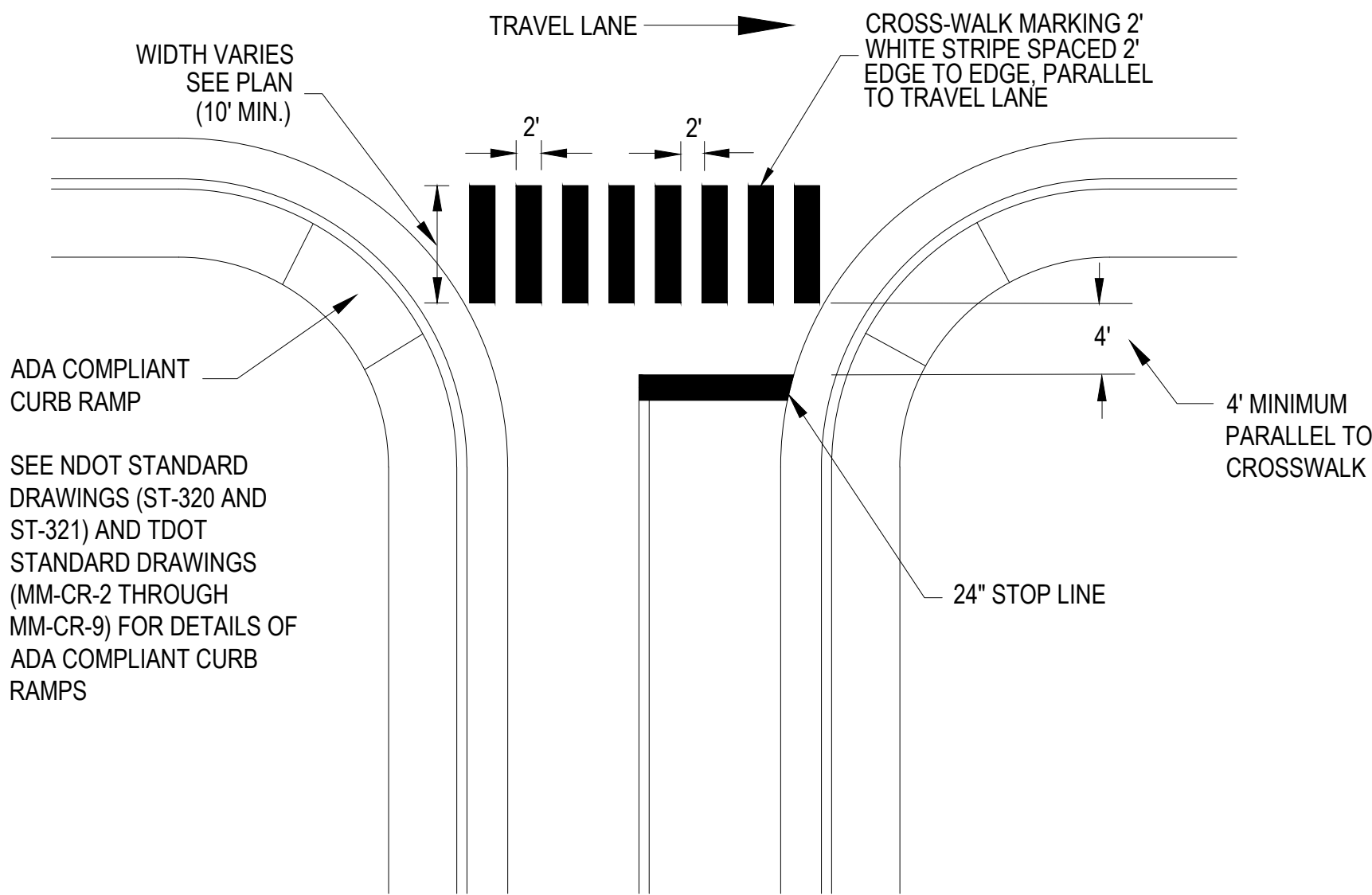
COVER SHEET

SHEET 1 OF 8

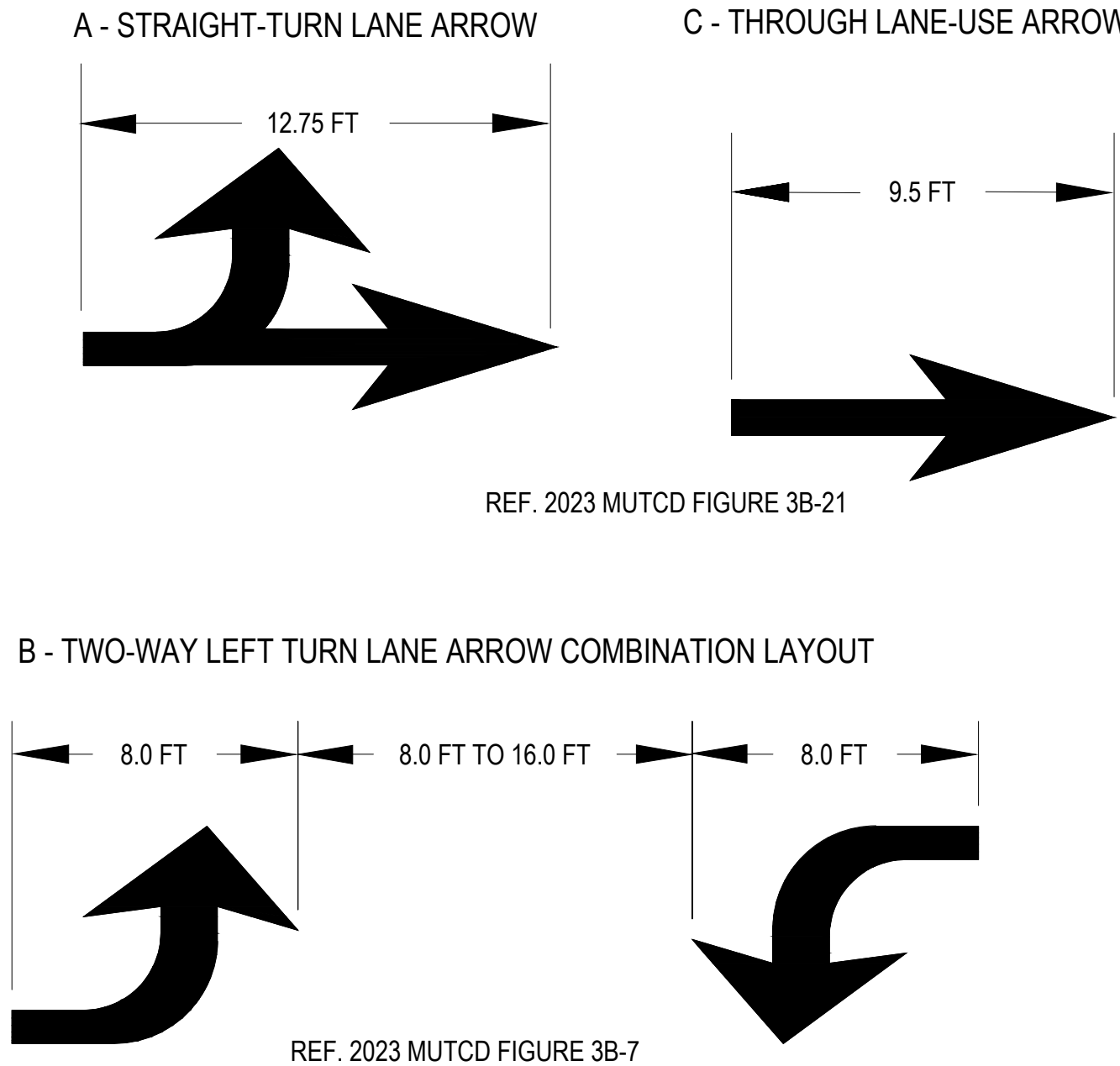


LDA ENGINEERING  
402 BNA DRIVE SUITE 403  
NASHVILLE, TENNESSEE 37217  
TELEPHONE: 877-754-8254  
FAX: 865-573-1352

\\LDA-0206-FILE2\METRO\BID\ALTA LOMA RD DETAILS.DWG, 9/16/2024 4:15 PM, JAMES FLOERING



TYPICAL STOP LINE PLACEMENT AND CROSSWALK MARKINGS  
NOT TO SCALE

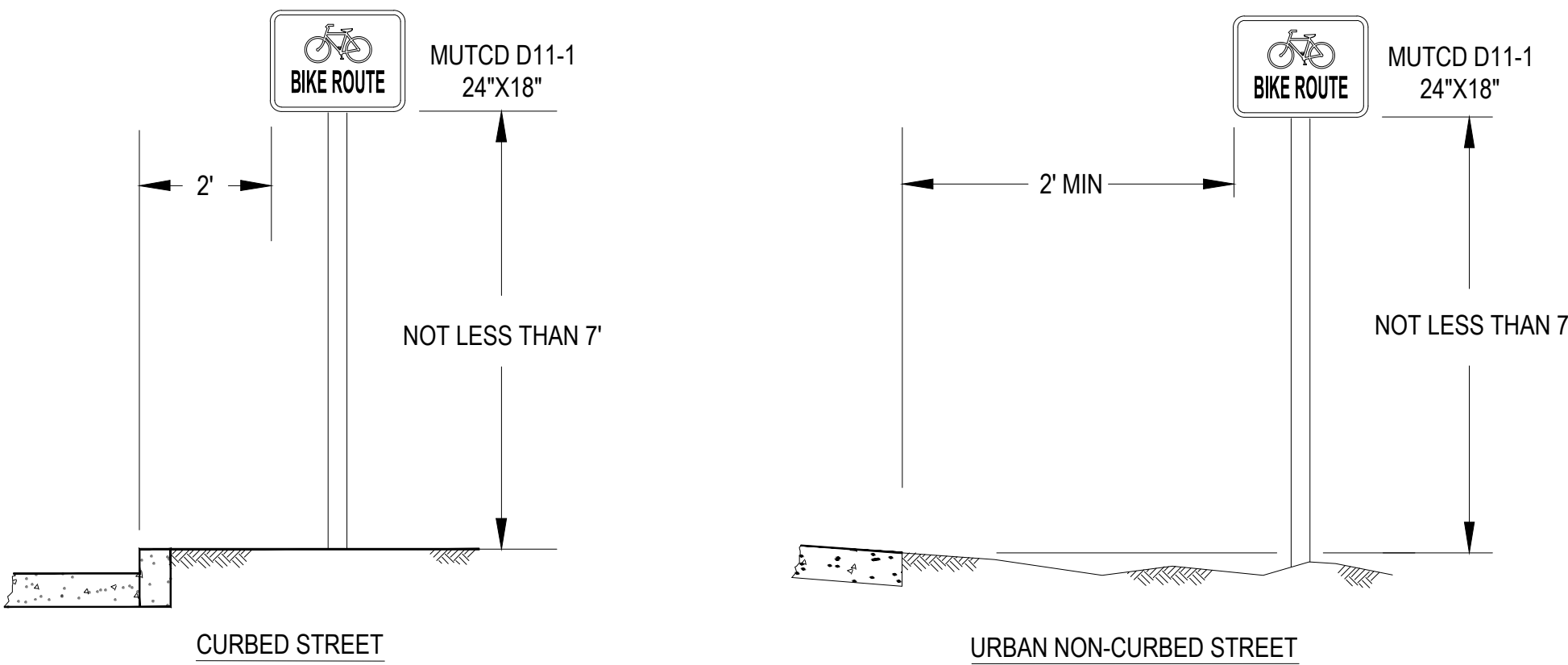


NOTE:  
TURN ARROWS SHALL BE PLACED IN THE TURN LANES AT THE LOCATIONS SPECIFIED IN THE PLANS.

TURN LANE ARROW DETAIL  
NOT TO SCALE

**\*\*SPECIAL NOTES:**

- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (2023 MUTCD)
- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ROADWAY MARKINGS AND SIGNS.
- BIKEWAY SIGNAGE SHALL BE PLACED PER DIRECTION OF THE FIELD ENGINEER.
- SHARROW AND BIKE LANE PAVEMENT MARKING SHALL BE PLACED PER DIRECTION OF METRO REPRESENTATIVE.
- SHARROW AND BIKE LANE PAVEMENT MARKING SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS.
- BIKEWAY PROJECTS SHALL COORDINATE WITH METRO TRAFFIC DEPARTMENT.
- THE DESIGN IS BASED ON AERIAL IMAGERY FROM BING MAPS USING AUTODESK CIVIL 3D SOFTWARE; ALL SPACING AND DIMENSIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR
- THE CONTRACTOR MUST NOTIFY THE ENGINEER AFTER PLACING TEMPORARY MARKINGS. THE ENGINEER WILL VERIFY DIMENSIONS BEFORE PERMANENT STRIPING IS APPLIED.



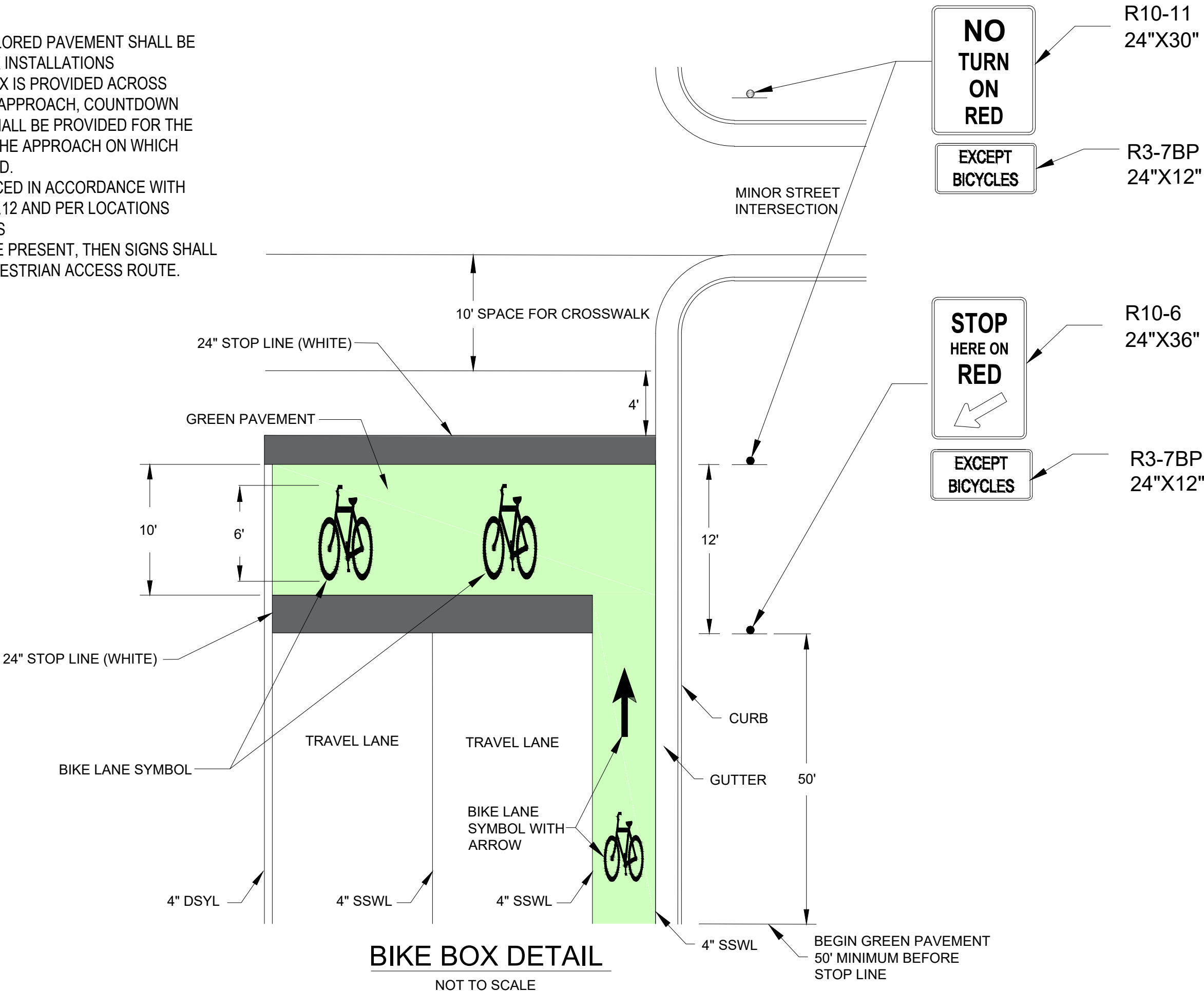
**SIGN INSTALLATION NOTES:**

- ALL SIGNS SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS SHOWN ON PLAN SHEETS. ANY DEVIATION MUST BE APPROVED BY THE METROPOLITAN DEPARTMENT OF PUBLIC WORKS.
- SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2023 MUTCD), AND SHALL HAVE THE HEIGHT AND CLEARANCE SPECIFICATIONS SHOWN ON THIS SHEET.
- ALL SIGNING EQUIPMENT AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE T.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 713 - HIGHWAY SIGNING, AND WITH THE SPECIFICATIONS OF METROPOLITAN NASHVILLE AND DAVIDSON COUNTY.
- IF A SECOND SIGN IS MOUNTED BELOW AN EXISTING SIGN, IT SHALL BE 7" ABOVE TOP OF CURB

HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS  
NOT TO SCALE

**NOTES:**

- SOLID GREEN COLORED PAVEMENT SHALL BE REQUIRED FOR BIKE BOX INSTALLATIONS
- WHERE A BIKE BOX IS PROVIDED ACROSS MULTIPLE LANES OF AN APPROACH, COUNTDOWN PEDESTRIAN SIGNALS SHALL BE PROVIDED FOR THE CROSSWALKS ACROSS THE APPROACH ON WHICH THE BIKE BOX IS LOCATED.
- SIGNS TO BE PLACED IN ACCORDANCE WITH 2023 MUTCD SECTION 9E.12 AND PER LOCATIONS SPECIFIED ON THE PLANS
- IF SIDEWALKS ARE PRESENT, THEN SIGNS SHALL NOT OBSTRUCT THE PEDESTRIAN ACCESS ROUTE.



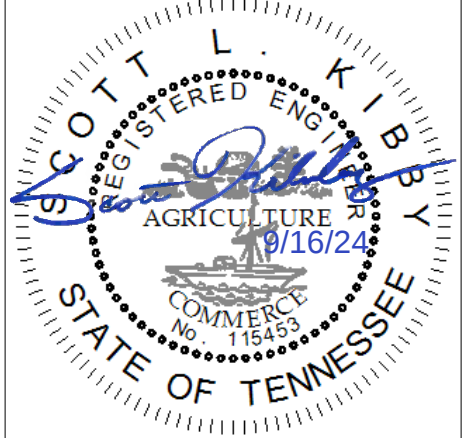
BIKE BOX DETAIL  
NOT TO SCALE



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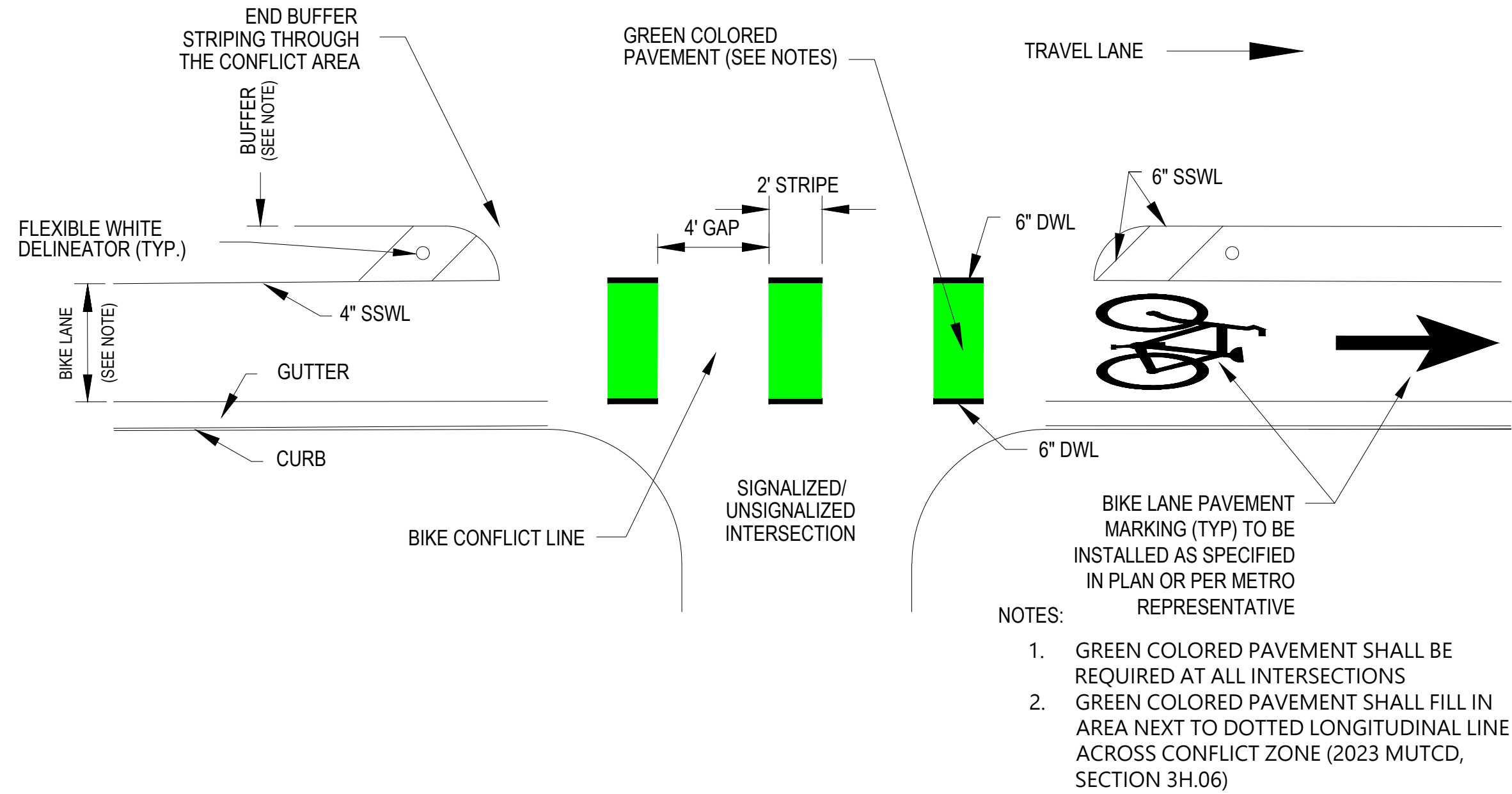
METROPOLITAN GOVERNMENT OF NASHVILLE  
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| SCALE:          |         |
| DRAWN BY:       | JEP     |
| DESIGNED BY:    | MMY     |

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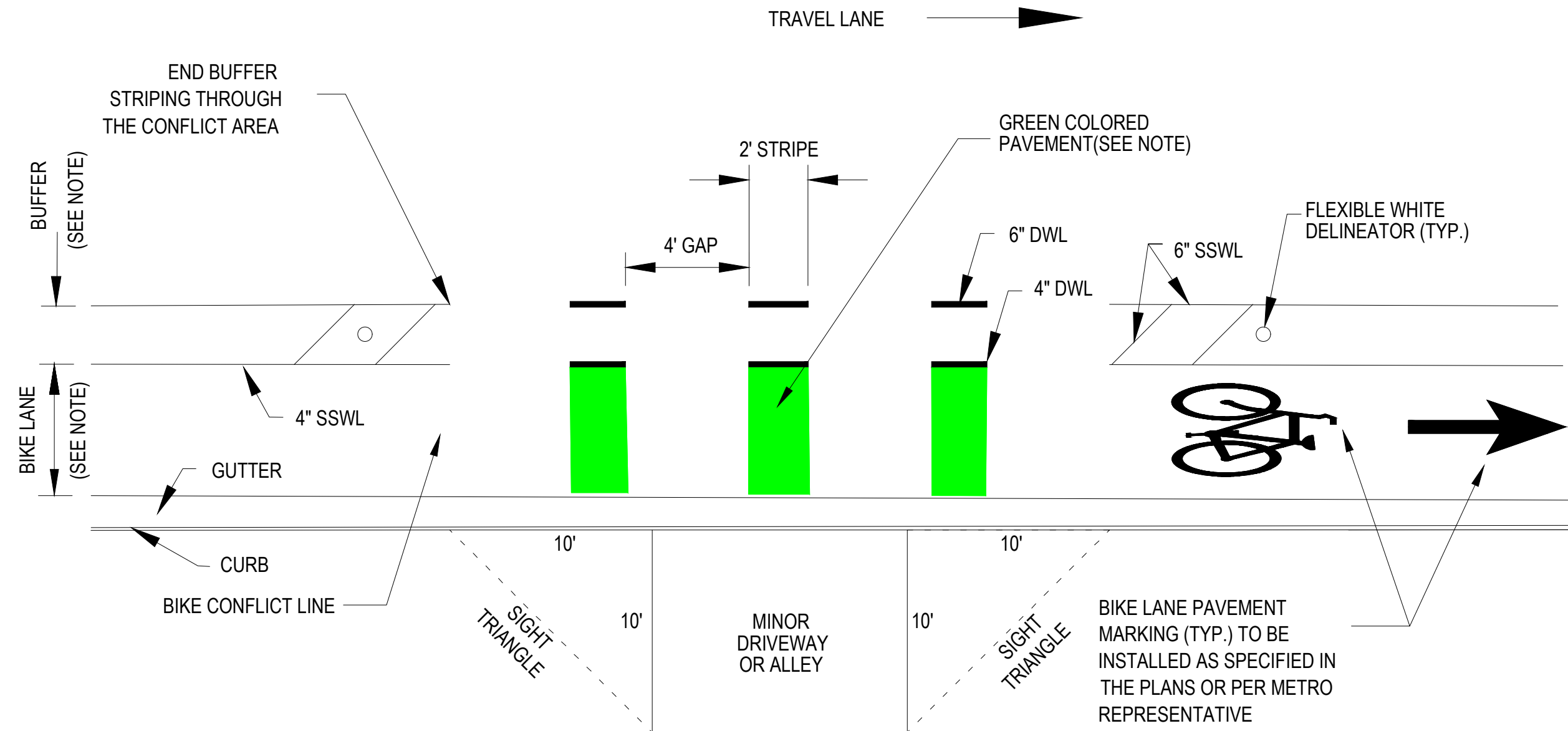
TYPICAL DETAILS



### BIKE CONFLICT LINE (BCL) AT INTERSECTIONS

NOT TO SCALE

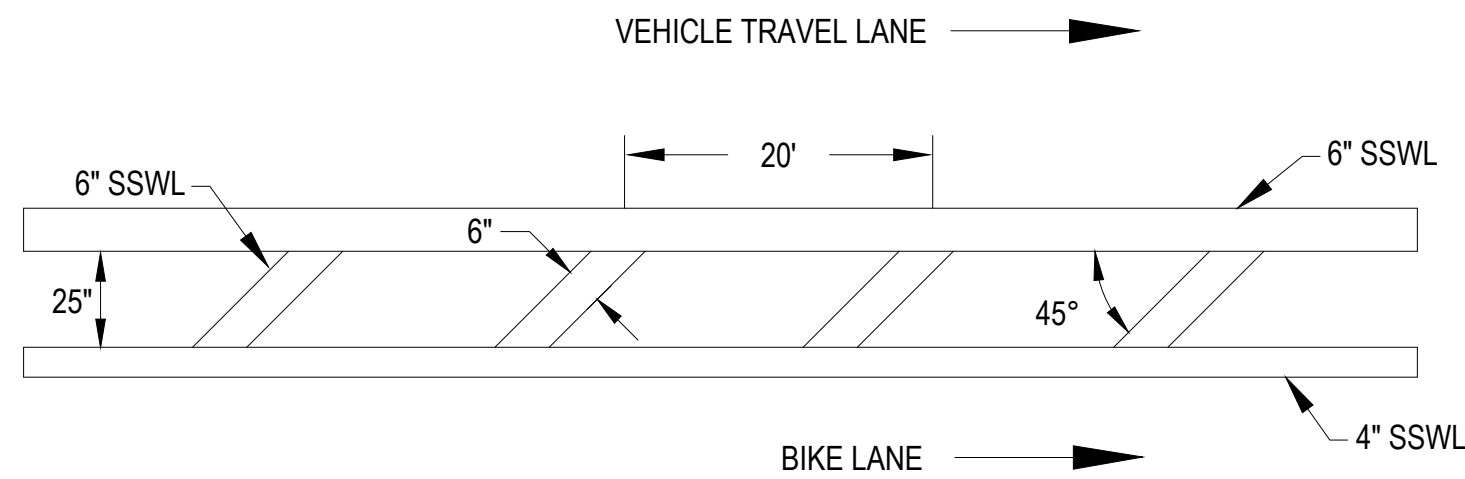
- NOTES:
- BIKE LANE WIDTH AND BUFFER WIDTH SPECIFIED ON THE PLANS. BIKE LANE WIDTH DIMENSION SHOWN ON THE PLANS INCLUDES THE EXIST. GUTTER PAN IF APPLICABLE.
  - 36\"/>



### SIGHT TRIANGLE & BIKE CONFLICT LINE (BCL) DETAIL AT DRIVEWAYS/ALLEYS

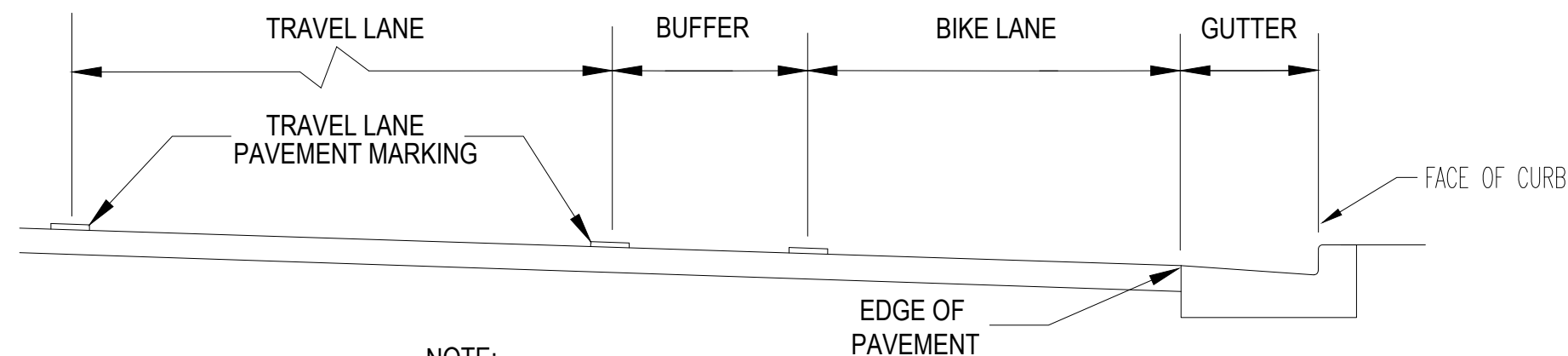
NOT TO SCALE

- NOTES:
1. GREEN COLORED PAVEMENT IS NOT REQUIRED AT DRIVEWAY LOCATIONS BUT MAY BE INSTALLED AS NEEDED (SEE PLANS) GREEN COLORED PAVEMENT SHALL FILL IN AREA NEXT TO DOTTED LONGITUDINAL LINE ACROSS CONFLICT ZONE (2023 MUTCD, SECTION 3H.06)
  - 2.



### BIKE LANE BUFFER PAVEMENT MARKINGS

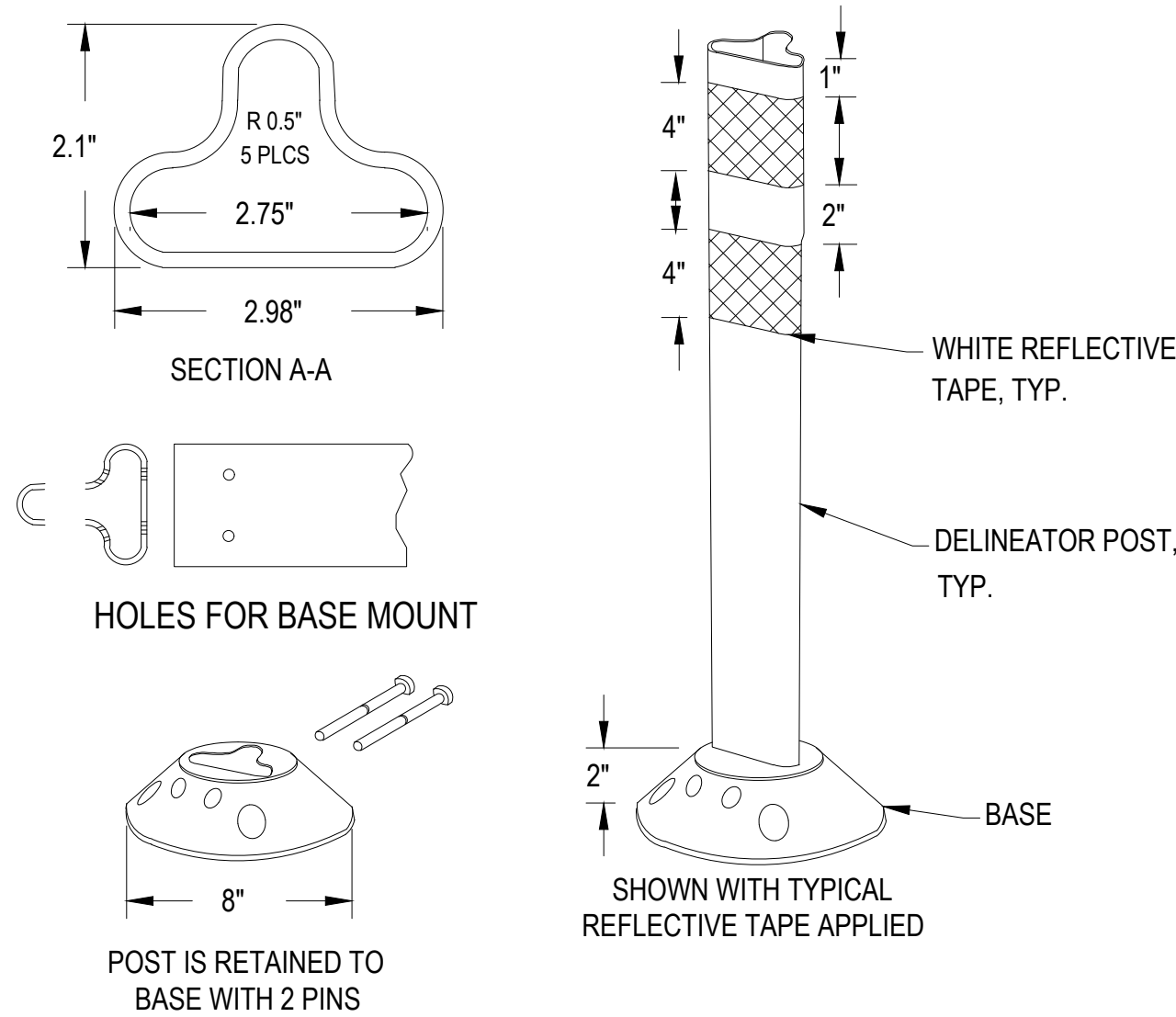
NOT TO SCALE



- NOTE:
- LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT EDGE OF PAVEMENT OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE PLANS.

### TYPICAL LATERAL STRIPING DIMENSIONS

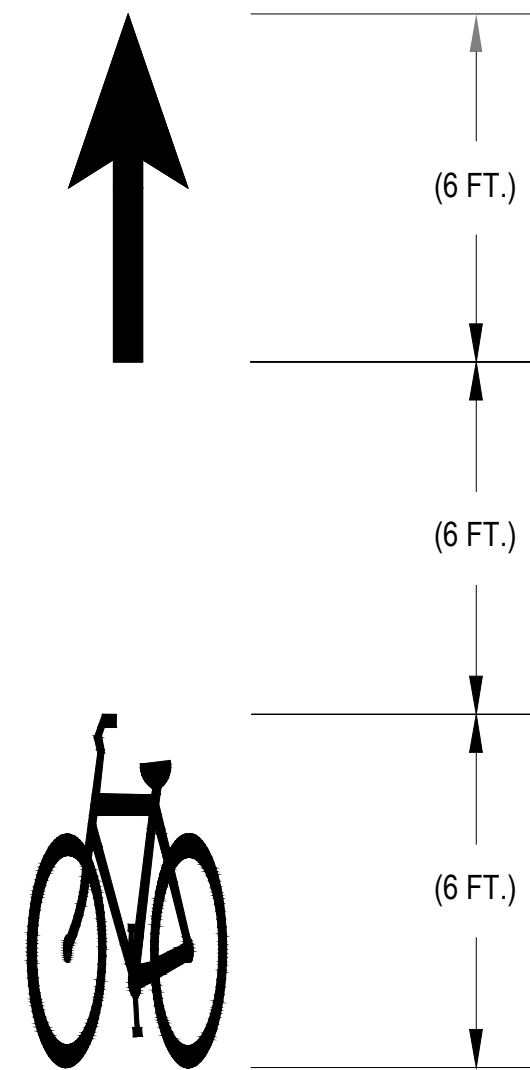
NOT TO SCALE



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
  - COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE AS NOTED IN PLANS.
  - SUGGESTED MANUFACTURERS INCLUDE: PEXCO DAVIDSON TRAFFIC CONTROL, SUPERIOR TRAFFIC CONTROL OR APPROVED BY METRO REPRESENTATIVE
  - DELINEATORS SHALL BE SPACED AS SHOWN IN THE PLANS
  - CONTRACTOR TO COORDINATE WITH MPW PRIOR TO INSTALLATION.

### 36" FLEXIBLE DELINEATOR POST DETAIL

NOT TO SCALE



- NOTES:
1. REFER TO MUTCD 2023 EDITION PART 9 FIGURE 9E-1 WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS FOR BICYCLE LANES. REDUCED SIZE MARKINGS TO BE USED WHERE REQUIRED IN THE FIELD, SCALE AS NEEDED.
  2. BIKE LANE PAVEMENT MARKING SYMBOLS SHALL BE INSTALLED AT 800' SPACING OR IMMEDIATELY FOLLOWING A CONFLICT ZONE AS SHOWN IN THE PLANS.

### BIKE LANE SYMBOL WITH ARROW PAVEMENT MARKING DETAIL

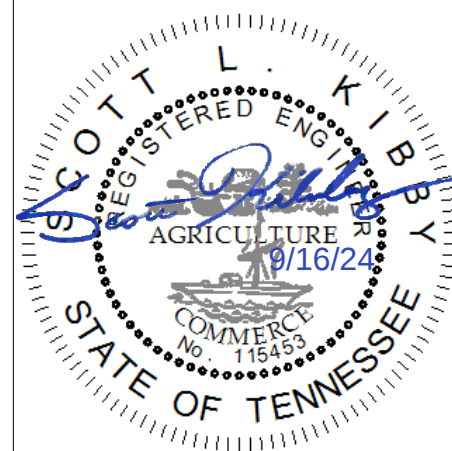
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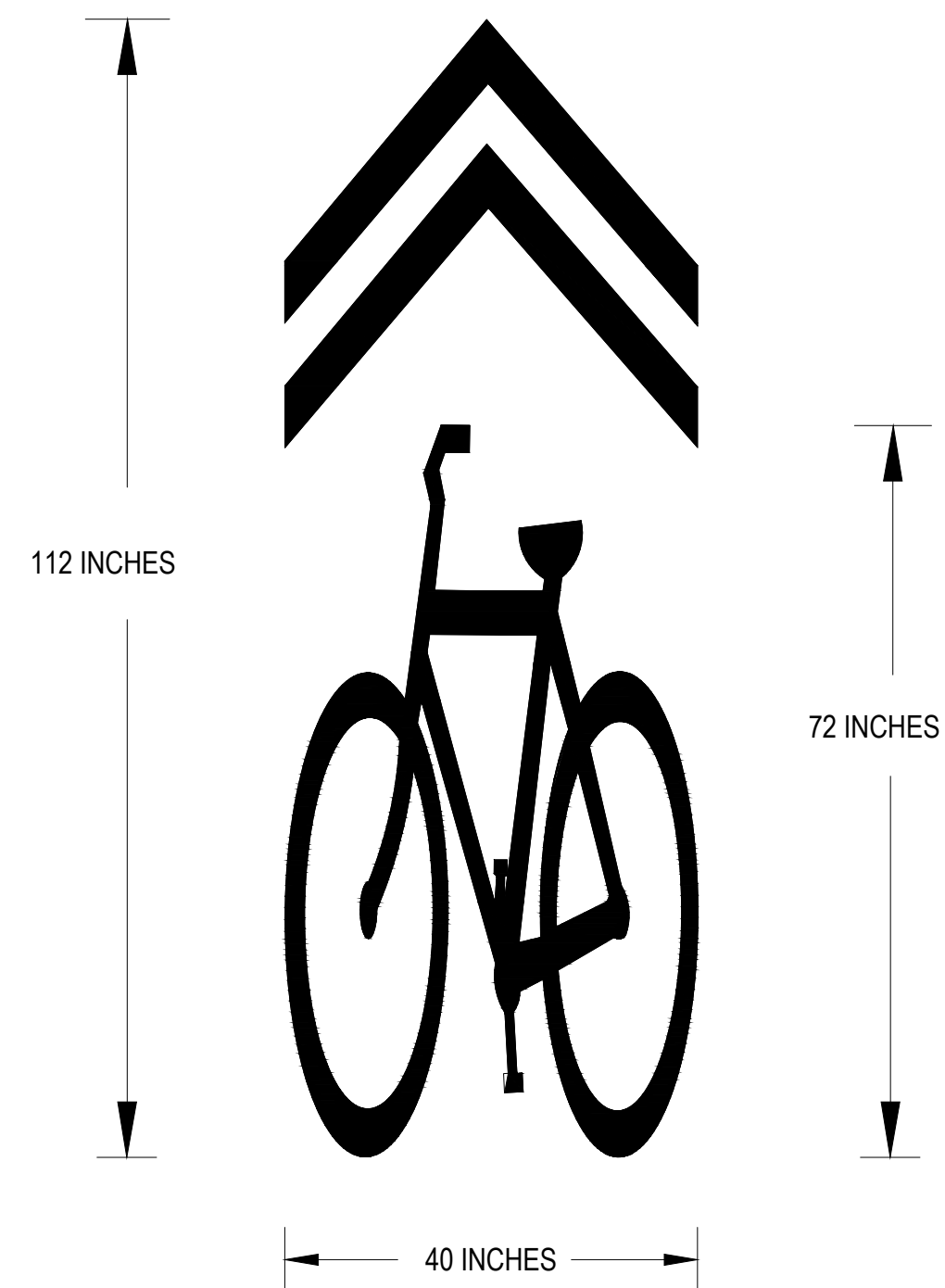
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| DRAWN BY:       | JEP     |
| DESIGNED BY:    | MMY     |

SHEET TITLE:

### TYPICAL DETAILS

SHEET 3 OF 8

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SHARROW SYMBOL

## SHARROW MARKING DETAIL

NOT TO SCALE

NOTES:

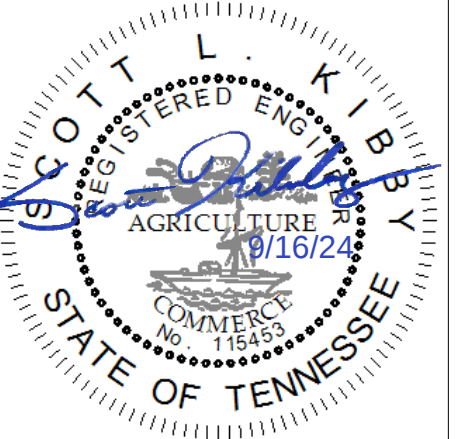
- REFER TO MUTCD 2023 EDITION PART 9 FIGURE 9E-1 WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS FOR BICYCLE LANES. REDUCED SIZE MARKINGS TO BE USED WHERE REQUIRED IN THE FIELD. REFER TO FIGURE 9E-9 FOR SHARED LANE MARKINGS.
- IF USED IN A SHARED LANE WITH ON-STREET PARALLEL PARKING, SHARED LANE MARKINGS SHOULD BE PLACED SO THAT THE CENTERS OF THE MARKINGS ARE AT LEAST 12 FEET FROM THE FACE OF THE CURB, OR FROM THE EDGE OF THE PAVEMENT WHERE THERE IS NO CURB. (2023 MUTCD, SECTION 9E.09)
- IF USED ON A STREET WITHOUT ON-STREET PARKING THAT HAS AN OUTSIDE TRAVEL LANE THAT IS LESS THAN 14 FEET WIDE, THE CENTERS OF THE SHARED LANE MARKINGS SHOULD BE AT LEAST 4 FEET FROM THE FACE OF THE CURB, OR FROM THE EDGE OF THE PAVEMENT WHERE THERE IS NO CURB. (2023 MUTCD, SECTION 9E.09)



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FROM RAILROAD BRIDGE TO GALLATIN PIKE N**



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**SALE:**

**DRAWN BY:**  
**JEP**

DESIGNED BY:  
MMY

**SHEET TITLE:**

TYPICAL DETAILS

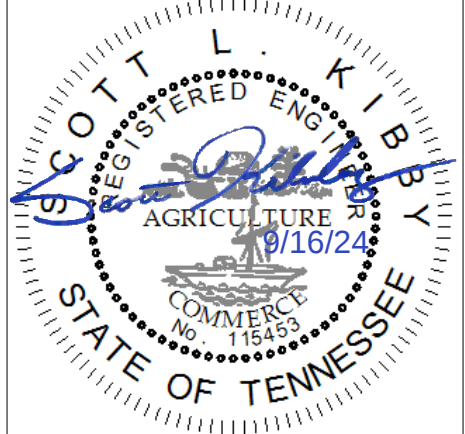
SHEET 4 OF 8

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| SIGN SCHEDULE                                                                         |                 |        |            |            |
|---------------------------------------------------------------------------------------|-----------------|--------|------------|------------|
| SIGN                                                                                  | MUTCD SIGN CODE | AMOUNT | DIMENSIONS | TOTAL S.F. |
|    | R3-17           | 5      | 24"X18"    | 15.00      |
|    | R3-7bP          | 2      | 24"X12"    | 4.00       |
|    | R3-17bP         | 1      | 24"X9"     | 1.50       |
|    | R9-20           | 1      | 30"X30"    | 6.25       |
|    | R10-6           | 1      | 24"X36"    | 6.00       |
|    | R10-11A         | 1      | 24"X30"    | 5.00       |
|    | D11-1           | 5      | 24"X18"    | 15.00      |
|    | M6-3P           | 1      | 12"X9"     | 0.75       |
|    | M6-4P           | 3      | 12"X9"     | 2.25       |
|    | M6-6P-L         | 1      | 12"X9"     | 0.75       |
|    | M6-6P-R         | 1      | 12"X9"     | 0.75       |
|   | W3-1            | 3      | 30"X30"    | 18.75      |
|  | W3-3            | 1      | 30"X30"    | 6.25       |

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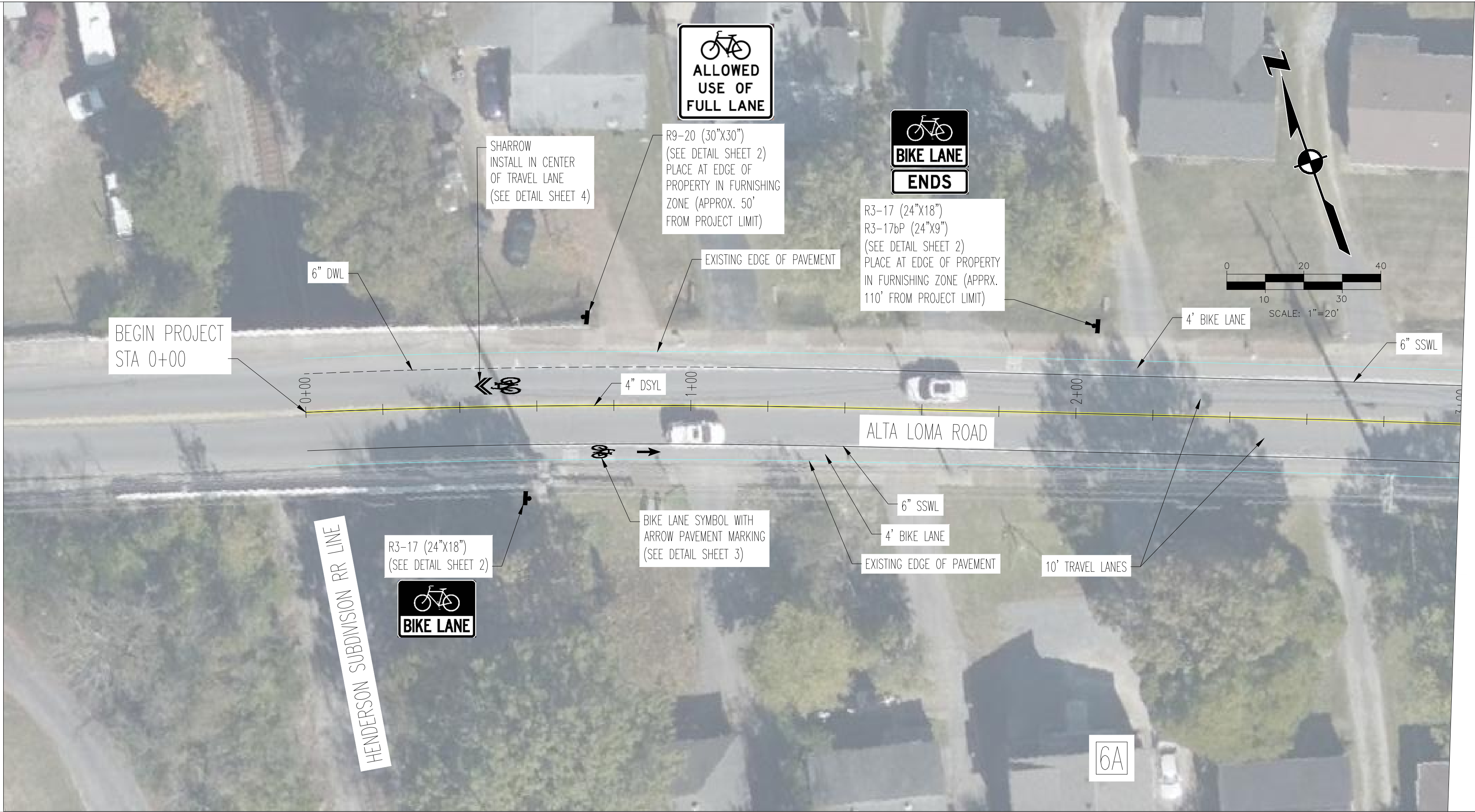
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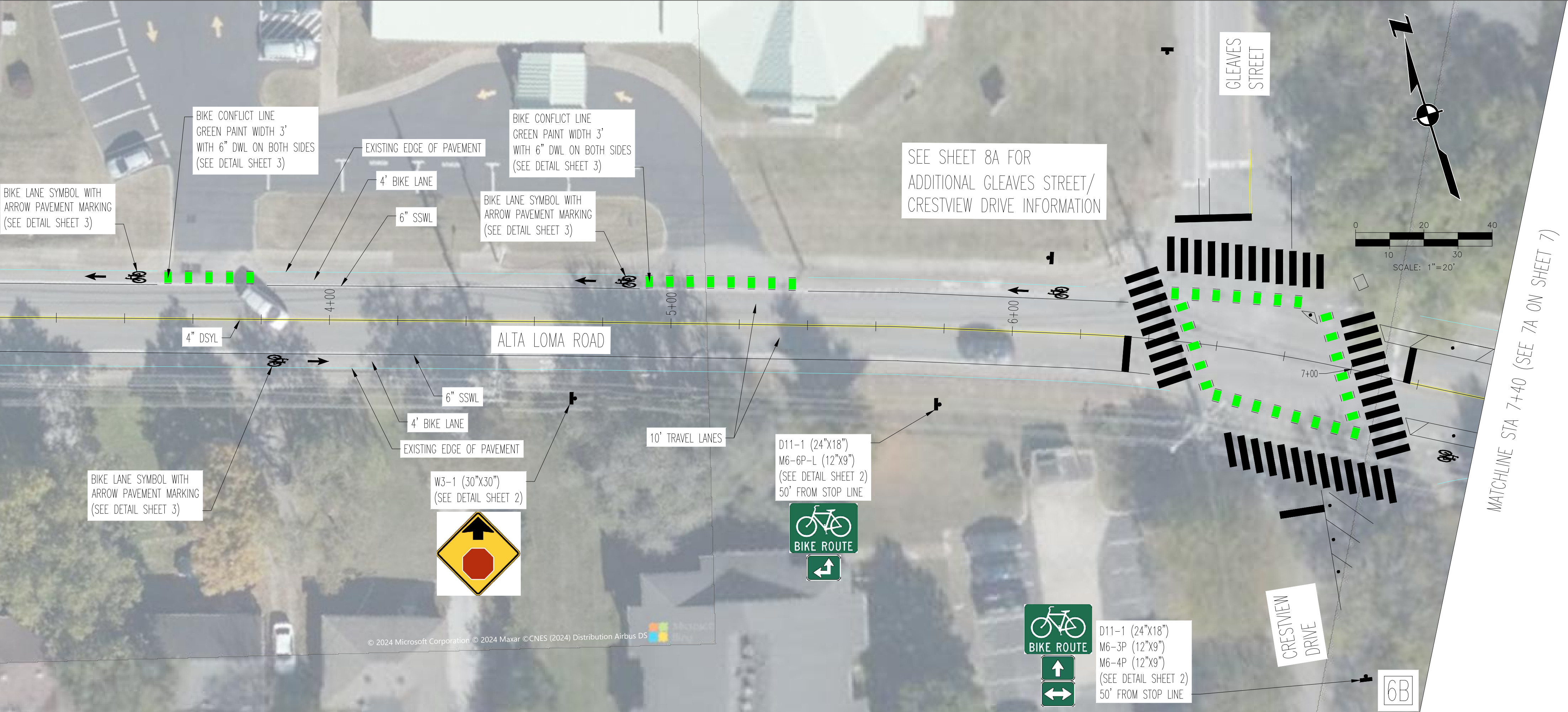
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| SHEET TITLE:           |                  |
| SIGN SCHEDULE          |                  |
| SHEET 5 OF 8           |                  |



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MATCHLINE STA 3+00 (SEE SHEET 6B BELOW)

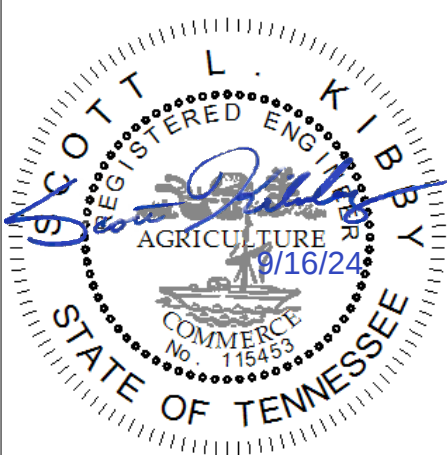


MATCHLINE STA 7+40 (SEE 7A ON SHEET 7)



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PROJECT NUMBER: NDT418  
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SHEET TITLE:  
**PROPOSED LAYOUT**



