

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY, TENNESSEE

31ST AVENUE NORTH BIKEWAY IMPROVEMENTS FROM PARK PLAZA TO WEST END AVENUE DECEMBER 2023



LOCATION MAP:
SCALE: 1"=1000'



DRAWING INDEX

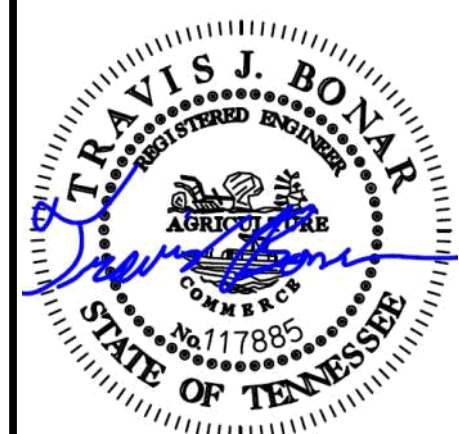
1. COVER SHEET
2. TYPICAL DETAILS
3. TYPICAL DETAILS
4. TYPICAL DETAILS
5. SIGN SCHEDULE
6. PROPOSED LAYOUT
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9. PROPOSED LAYOUT - APPROACH TO PARK PLAZA FROM CONNECTOR BRIDGE
10. PROPOSED SIGN LAYOUT
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12. PROPOSED SIGN LAYOUT
13. PROPOSED SIGN LAYOUT - APPROACH TO PARK PLAZA FROM CONNECTOR BRIDGE
14. SIGNAL SHEET - 31ST AVE N AND LONG BLVD INTERSECTION
15. SIGNAL SHEET - 31ST AVE N AND PARK PLAZA INTERSECTION



LDA ENGINEERING

REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMITTING AND CONSTRUCTION
2	12.14.23	ISSUE FOR PERMITTING AND CONSTRUCTION

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE

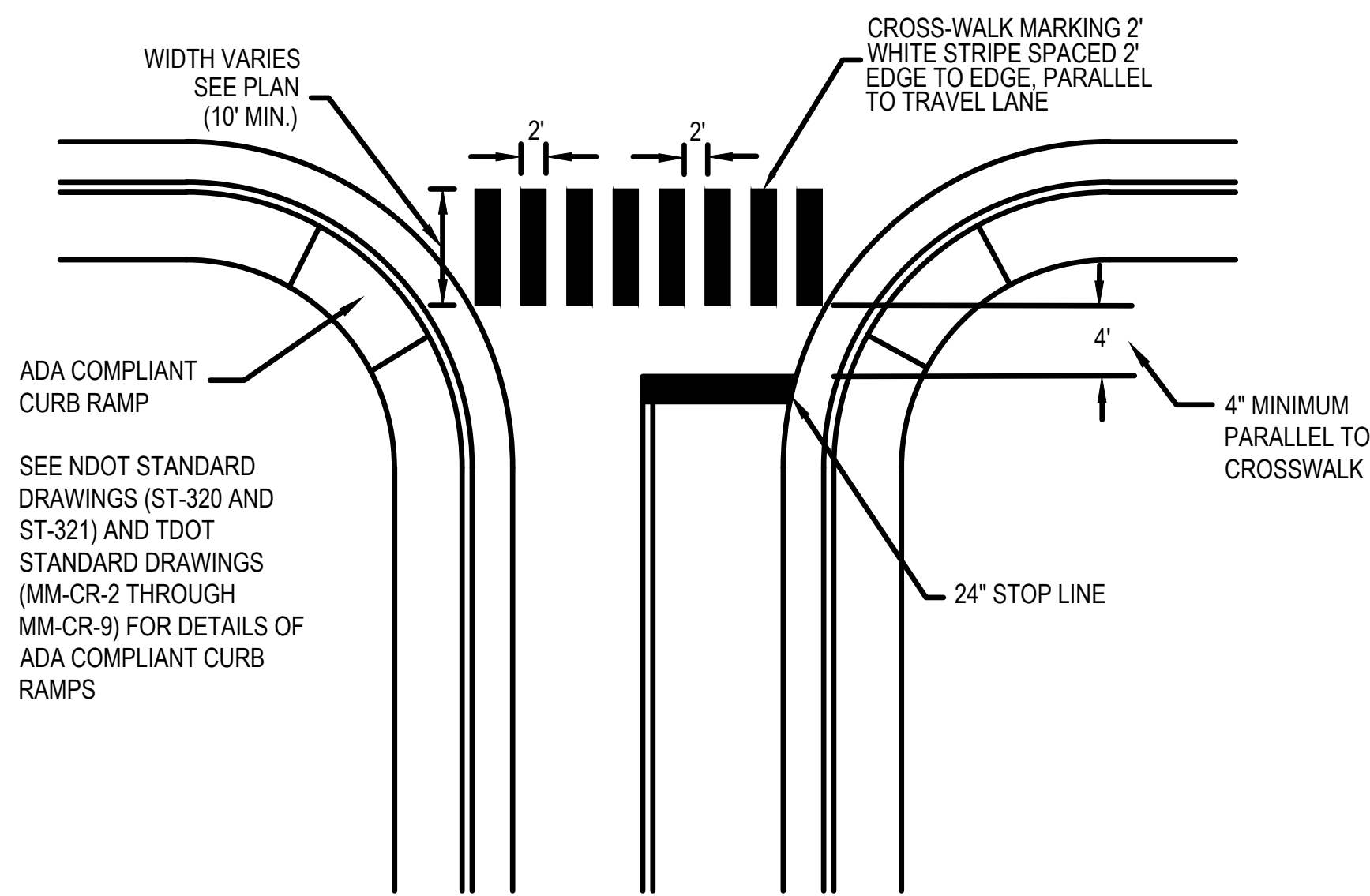


PROJECT NUMBER:	MET008
DATE:	12-2023
SCALE:	1"=20'
DRAWN BY:	JEP
DESIGNED BY:	ZDB

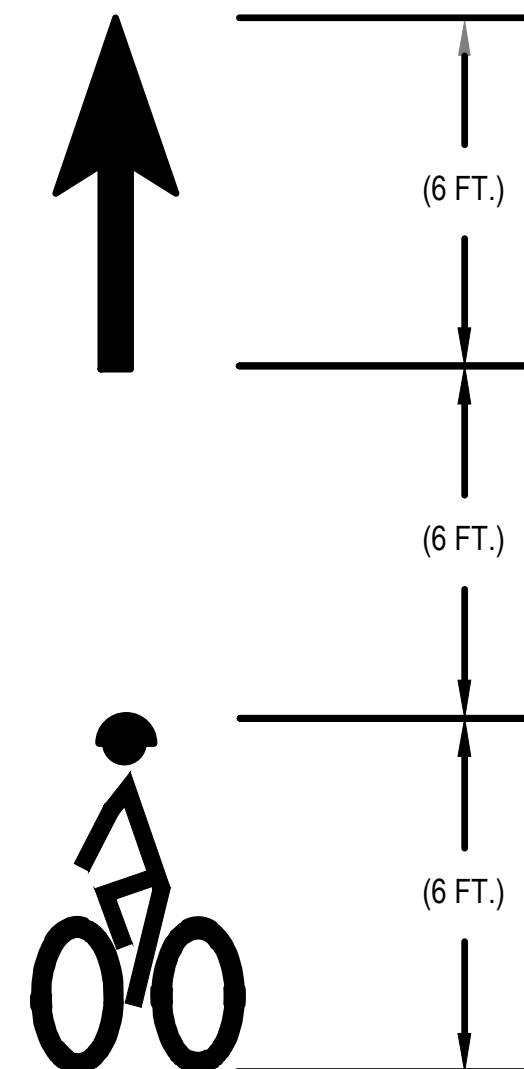
SHEET TITLE:
COVER SHEET



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

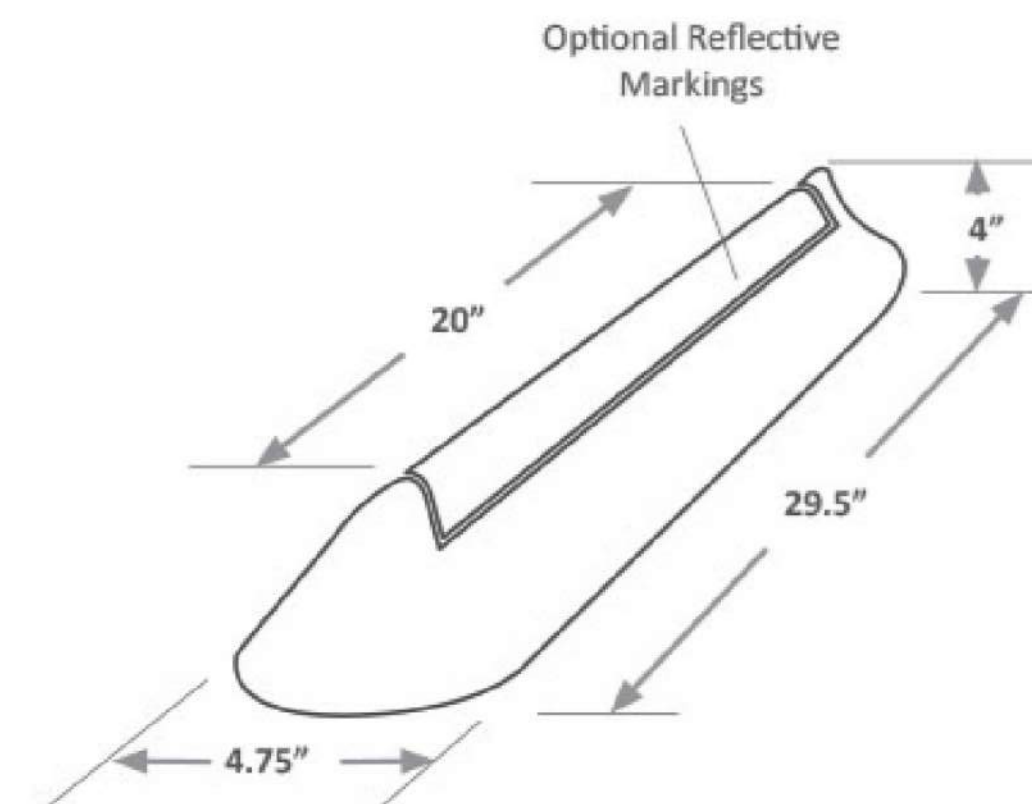


TYPICAL STOP LINE PLACEMENT AND CROSSWALK MARKINGS
NOT TO SCALE

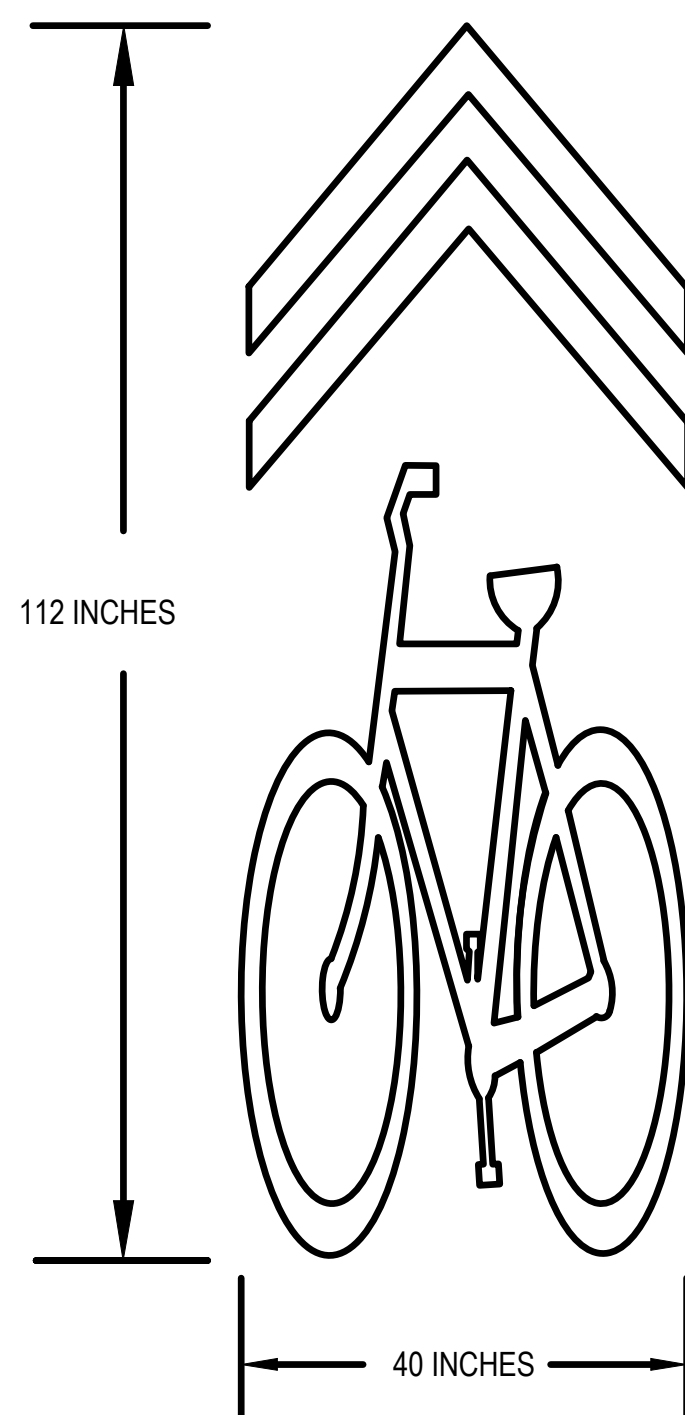


BIKE LANE PAVEMENT MARKING
DETAIL
NOT TO SCALE

NOTE:
CYCLE LANES TO BE INSTALLED AT LOCATIONS SPECIFIED ON THE PLANS.



CYCLE LANE DELINEATOR
DETAIL
NOT TO SCALE



SHARROW MARKING DETAIL
NOT TO SCALE

NOTES:

- REFER TO MUTCD 2009 EDITION PART 9 FIGURE 9C-3 WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS FOR BICYCLE LANES. REDUCED SIZE MARKINGS TO BE USED WHERE REQUIRED IN THE FIELD. REFER TO FIGURE 9C-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 11 FEET FROM THE FACE OF THE CURB, OR FROM THE EDGE OF THE PAVEMENT WHERE THERE IS NO CURB. (2009 MUTCD, SECTION 9C.07)
- 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. (2009 MUTCD, SECTION 9C.07)

GREEN PAVEMENT NOTE:

GREEN TEXTURED BIKE LANES (MMA MATERIAL) AS NOTED ON THE PLANS. SUGGESTED MANUFACTURER (ENNIS-FLINT) OR APPROVED METRO PUBLIC WORKS ALTERNATIVE TO BE USED.

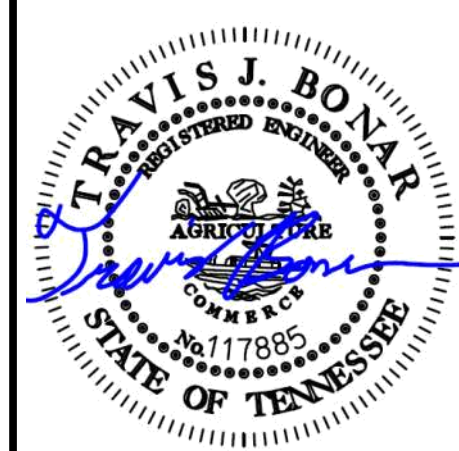
****SPECIAL NOTES:**

- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (2009 MUTCD, WITH REVISIONS 1, 2, & 3)
- 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.



REV	DATE	REVISION DESCRIPTION
1	12.12.23	ADDED SHARROW AND BIKEWAY MARKINGS TO PLAN
2	12.14.23	REVISIONS TO SHARROW AND BIKEWAY MARKINGS

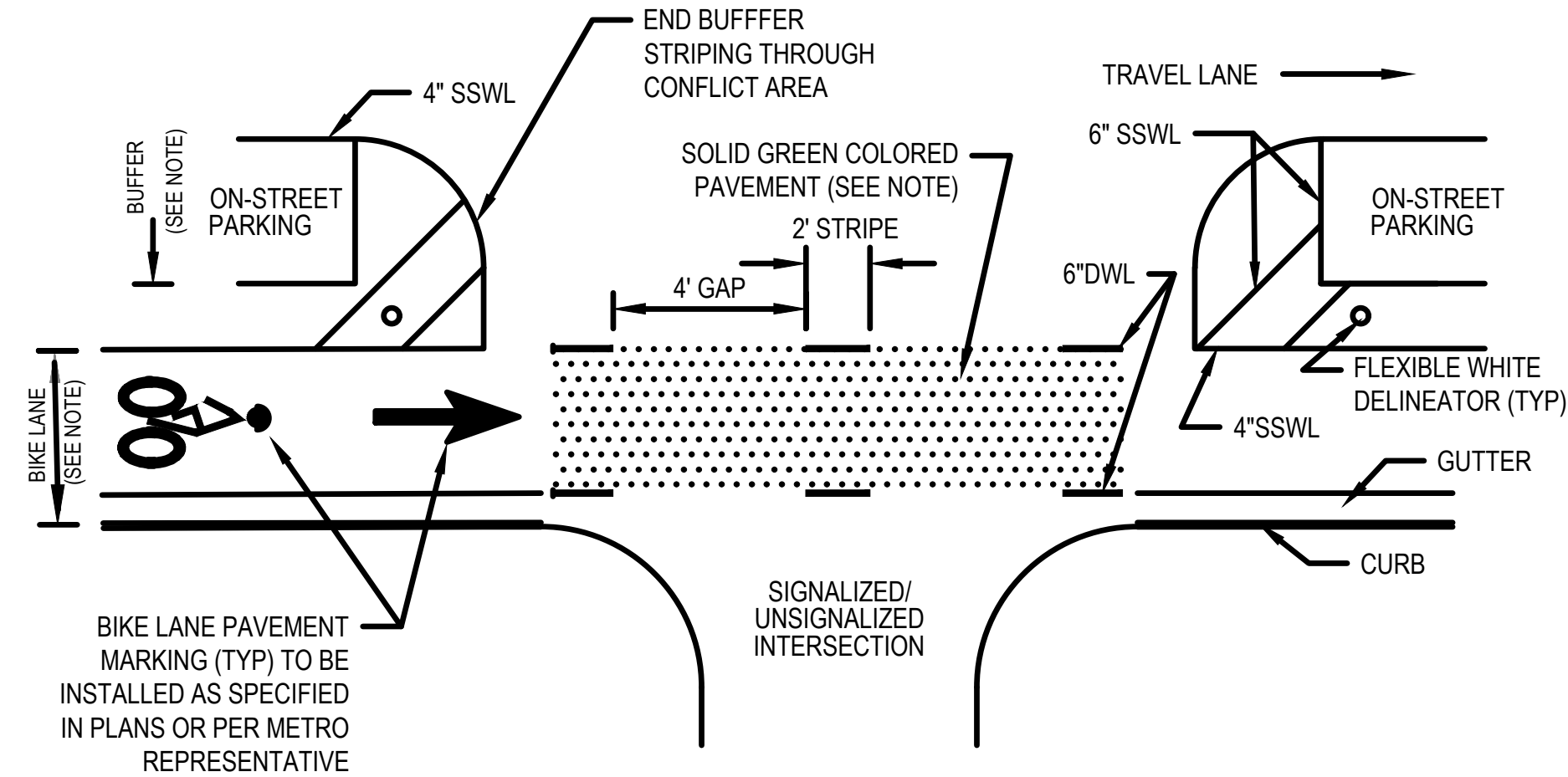
METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

SHEET TITLE:
TYPICAL DETAILS

C:\METRO2\BUREAU\METRO2_DWG_PASTRACKS\13151_AE_V\CONCEPTUAL DESIGN\SHEET FILES\13151_AE_DETAILS.DWG, 12/14/2023 4:54 PM, ZACH BRUNETTE

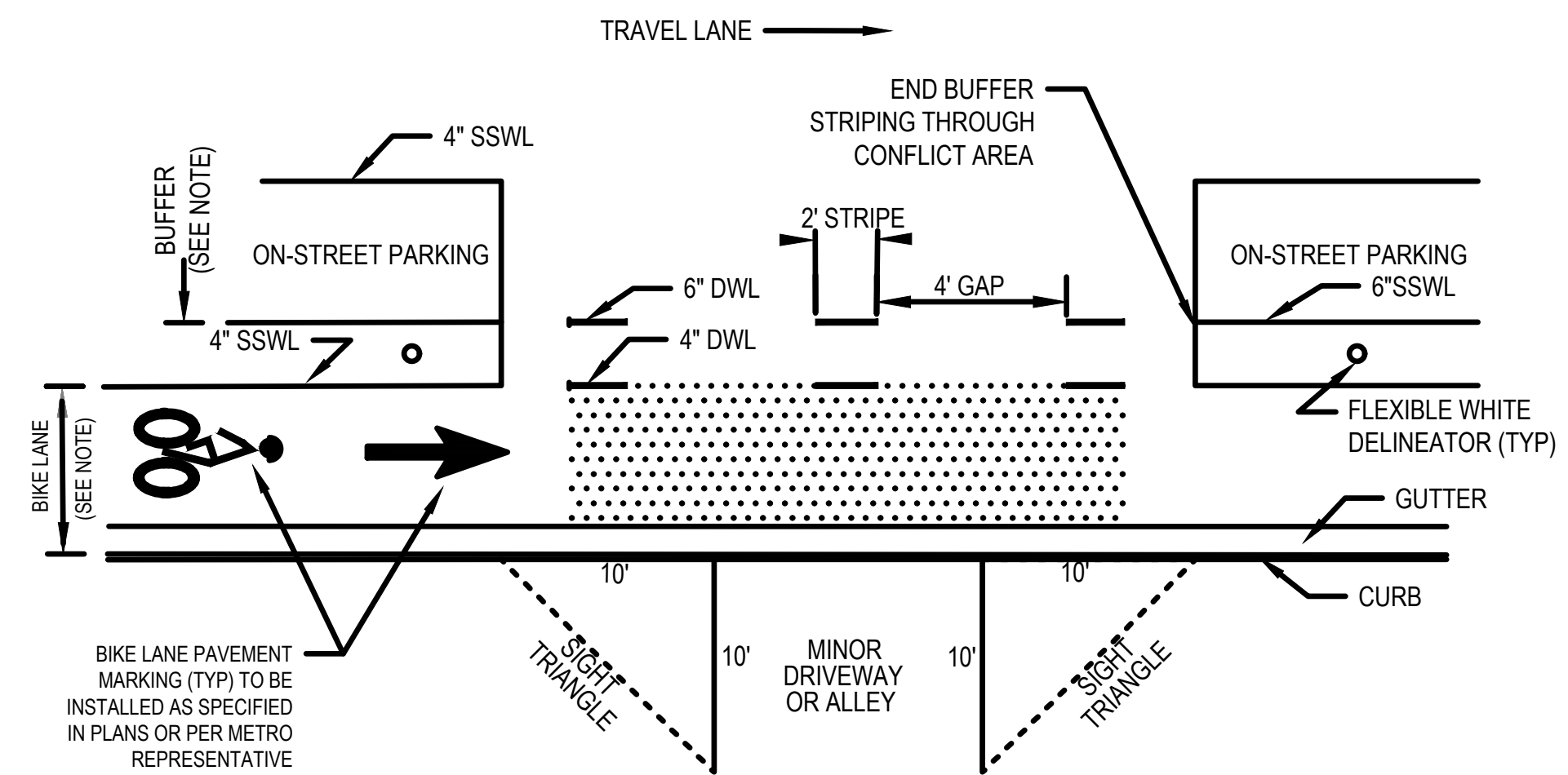


NOTES:

- GREEN TEXTURED BIKE LANES (MMA MATERIAL) REQUIRED WITHIN BIKE BOXES AND INTERSECTION CONFLICT AREAS AS NOTED ON THE PLANS. SUGGESTED MANUFACTURER (ENNIS-FLINT) OR APPROVED MPW ALTERNATIVES TO BE USED.
- ON-STREET PARKING SET BACK SHALL BE 30 FEET MINIMUM FROM SIGNALIZED/UNSIGNALIZED INTERSECTIONS OR CROSSWALKS

ON-STREET PARKING BIKE CONFLICT LINE (BCL) AT INTERSECTIONS

NOT TO SCALE

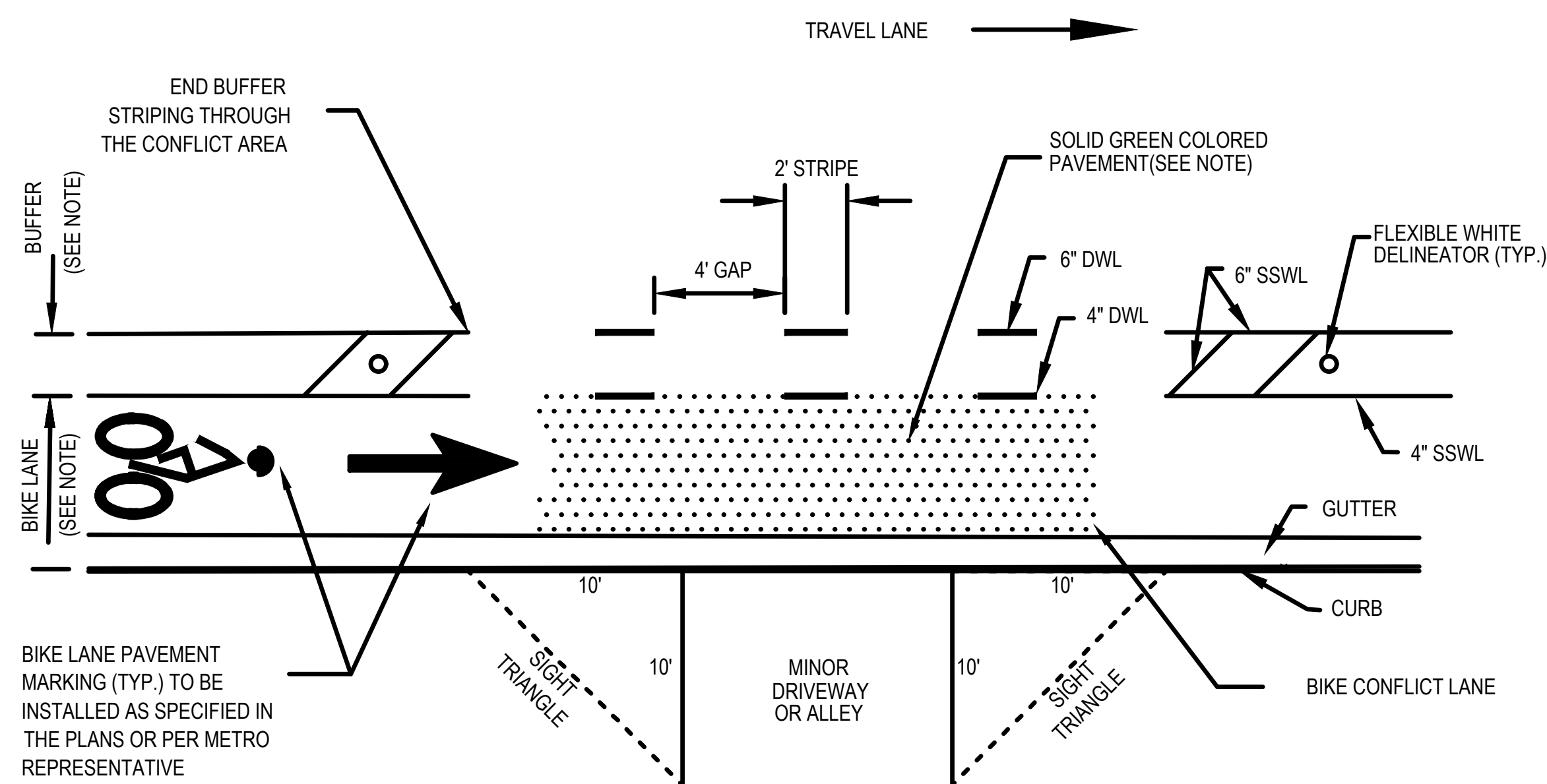


NOTES:

- SOLID GREEN COLORED PAVEMENT IS NOT REQUIRED AT DRIVEWAY LOCATIONS BUT MAY BE INSTALLED AS NEEDED (SEE PLANS).
- ON-STREET PARKING SET BACK SHALL BE 10 FEET MINIMUM FROM A MINOR DRIVEWAY OR ALLEY OR AS REQUIRED (SEE PLANS).

ON-STREET PARKING SIGHT TRIANGLE & BIKE CONFLICT LINE (BCL) DETAIL AT DRIVEWAYS/ALLEYS

NOT TO SCALE

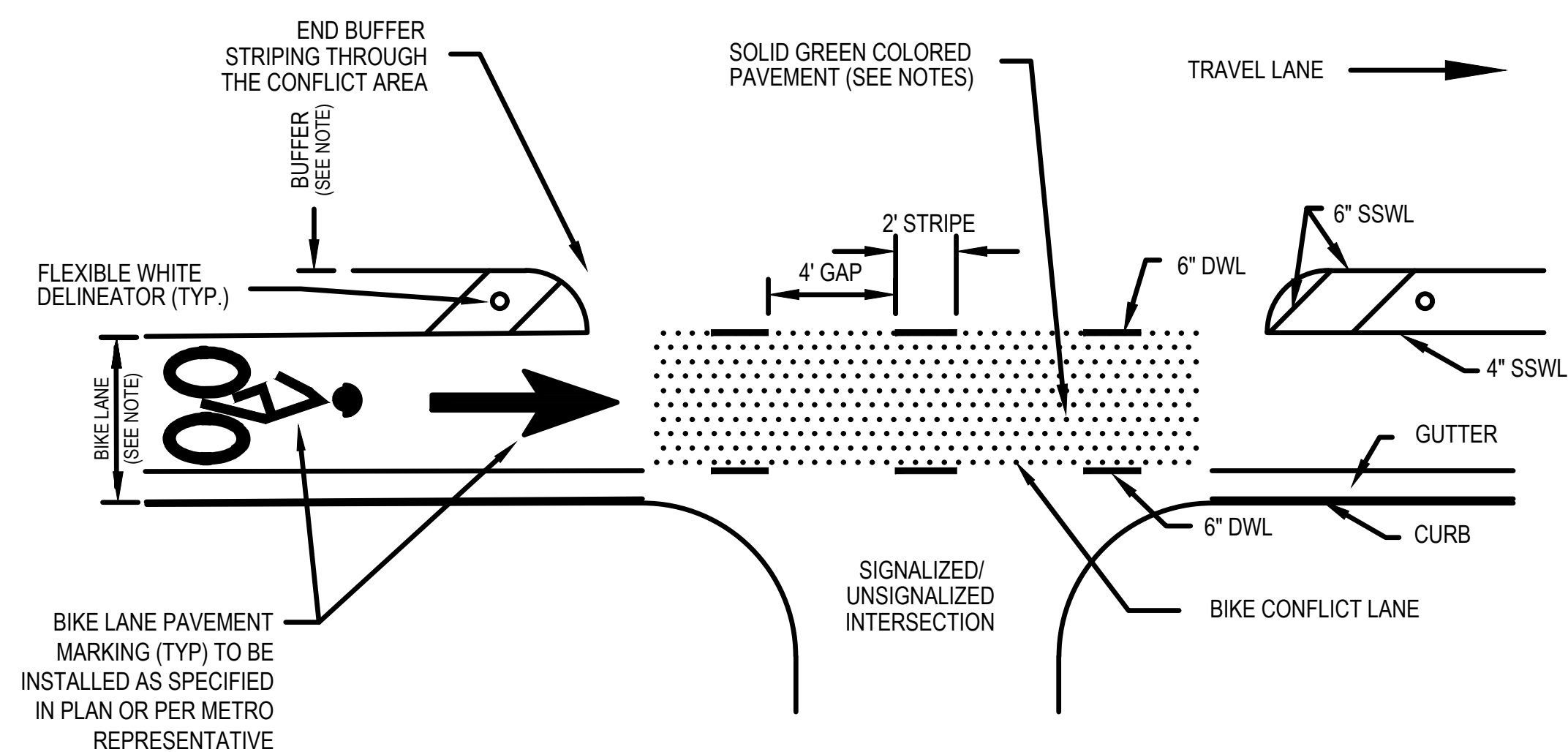


NOTE:

- SOLID GREEN COLORED PAVEMENT IS NOT REQUIRED AT DRIVEWAY LOCATIONS BUT MAY BE INSTALLED AS NEEDED (SEE PLANS).

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

NOT TO SCALE



NOTE:

- SOLID GREEN COLORED PAVEMENT SHALL BE REQUIRED AT ALL INTERSECTIONS

BIKE CONFLICT LINE (BCL) AT INTERSECTIONS

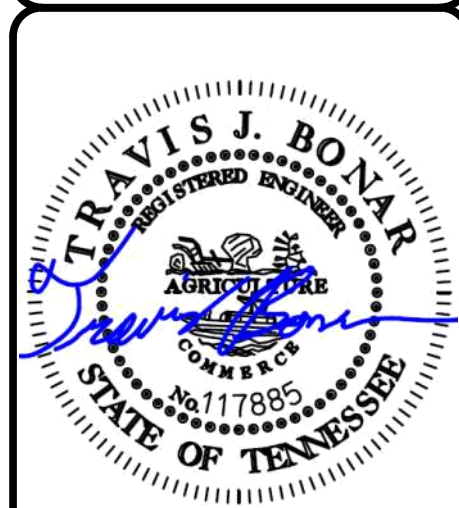
NOT TO SCALE

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" WHITE FLEXIBLE DELINEATOR POSTS TO BE INSTALLED WITHIN THE BUFFER AT 20' SPACING CONTRACTOR TO COORDINATE WITH MPW PRIOR TO INSTALLATION.

REV	DATE	REVISION DESCRIPTION
1	12.12.23	ADDITIONAL INFORMATION TO PARKING LANE
2	12.14.23	REVISIONS AND REVISIONS

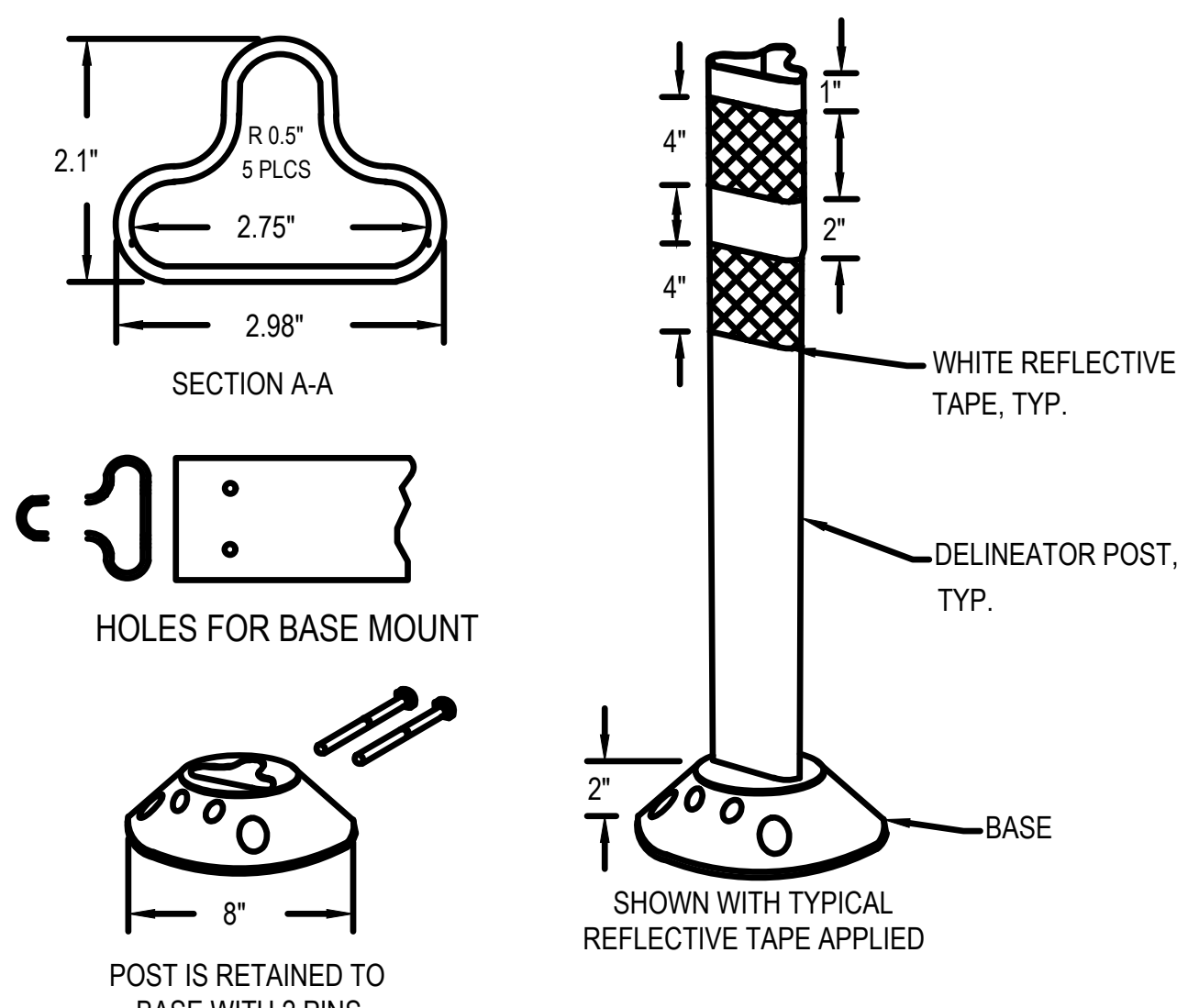
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DRAWN BY: JEP DESIGNED BY: ZDB

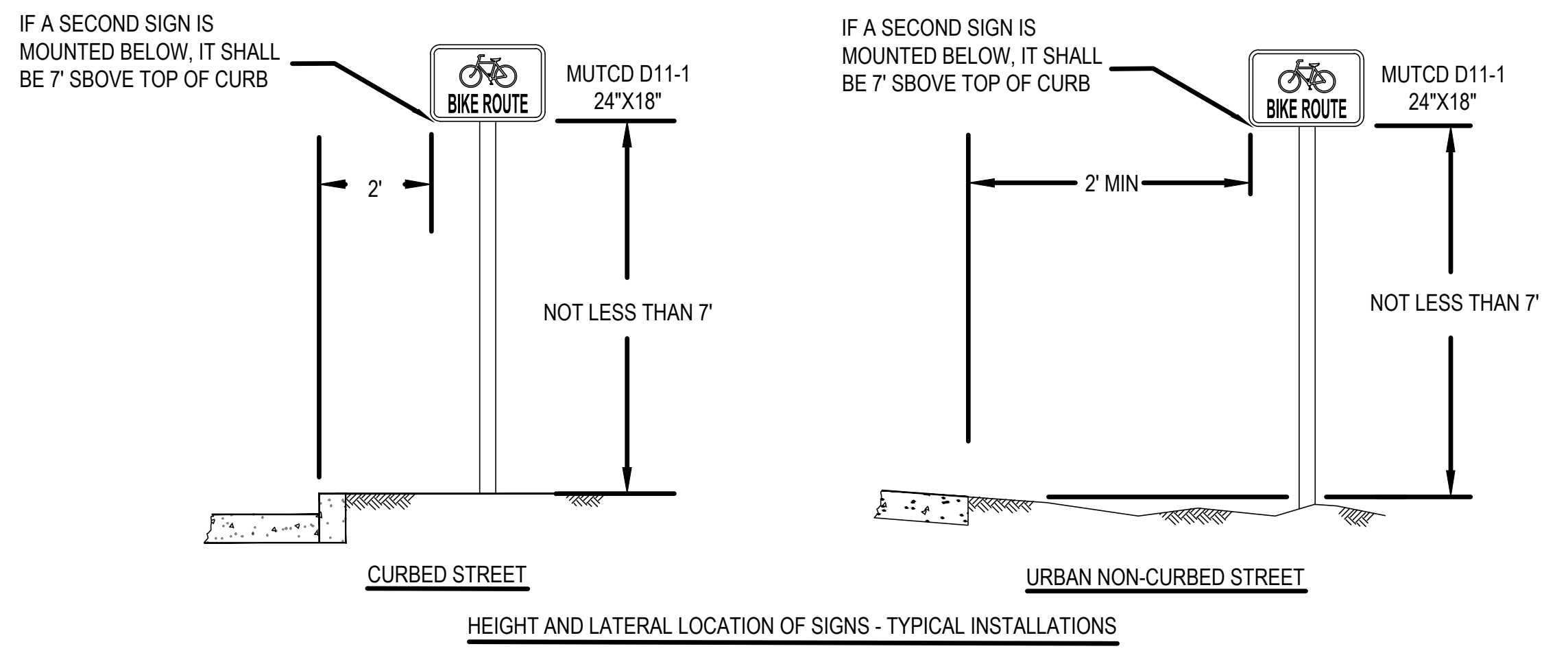
SHEET TITLE: TYPICAL DETAILS

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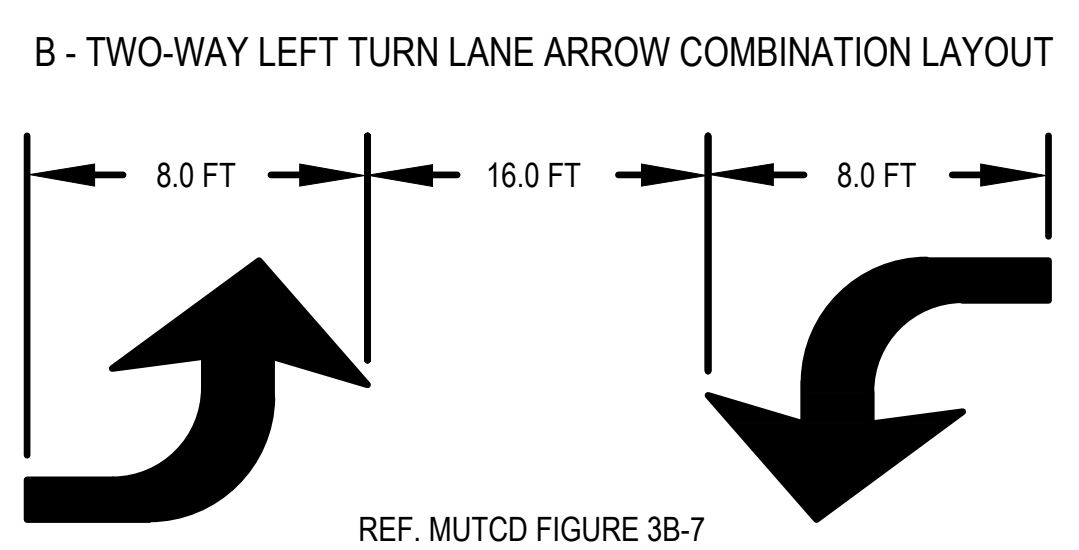
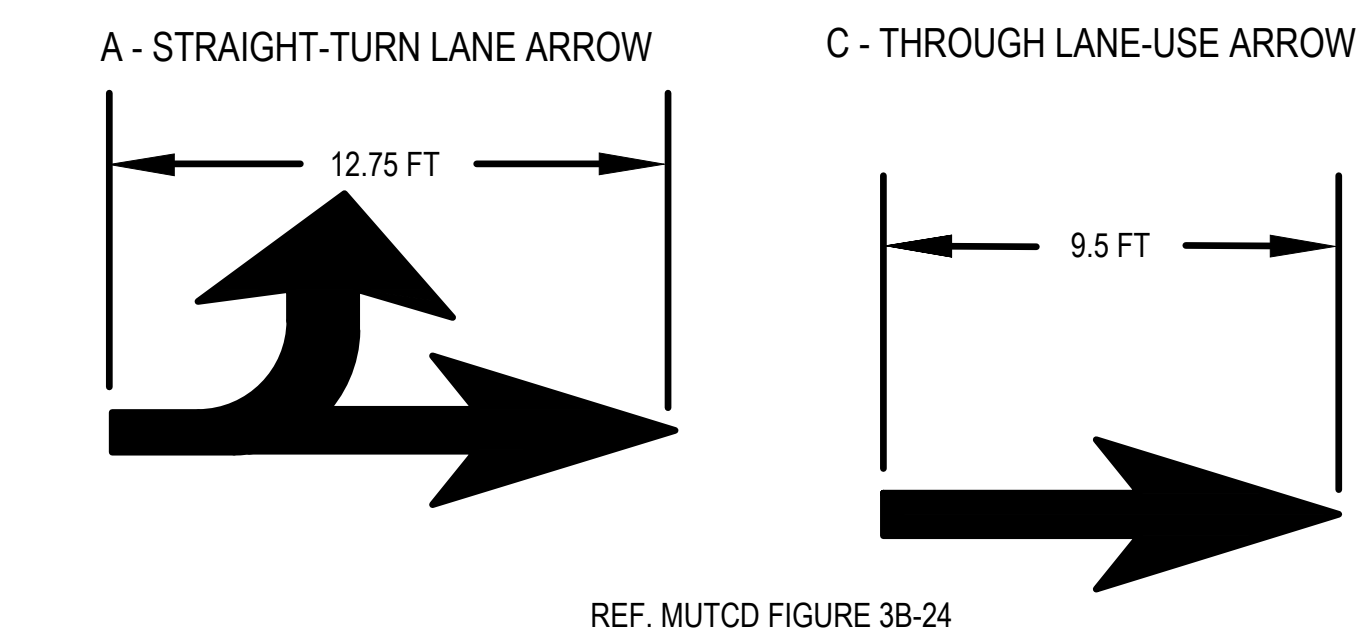
- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
 - COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE AS NOTED IN PLANS.
 - SUGGESTED MANUFACTURERS INCLUDE: PEXCO DAVIDSON TRAFFIC CONTROL, SUPERIOR TRAFFIC CONTROL OR APPROVED BY METRO REPRESENTATIVE
 - DELINEATORS SHALL BE SPACED 20' CENTER-TO-CENTER IN THE PLANS
 - CONTRACTOR TO COORDINATE WITH MPW PRIOR TO INSTALLATION.

36" FLEXIBLE DELINEATOR POST DETAIL
NOT TO SCALE



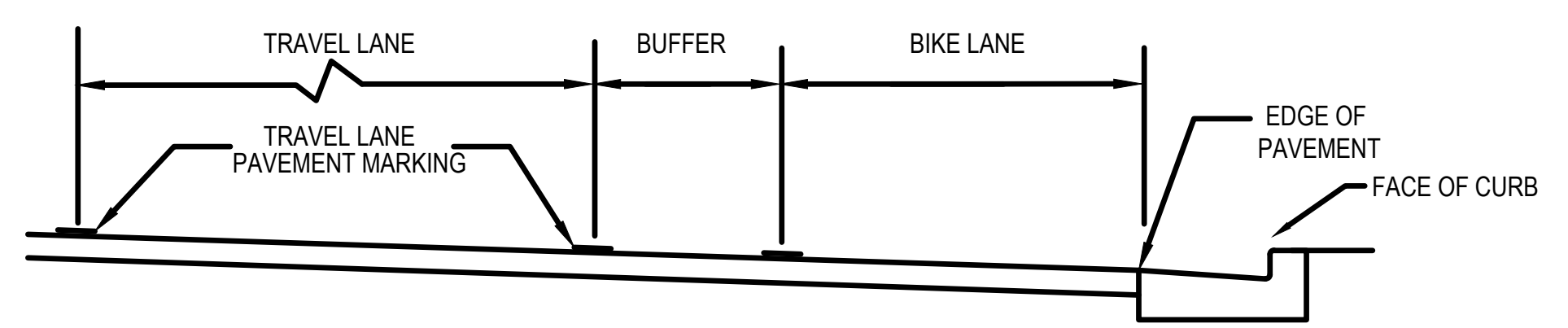
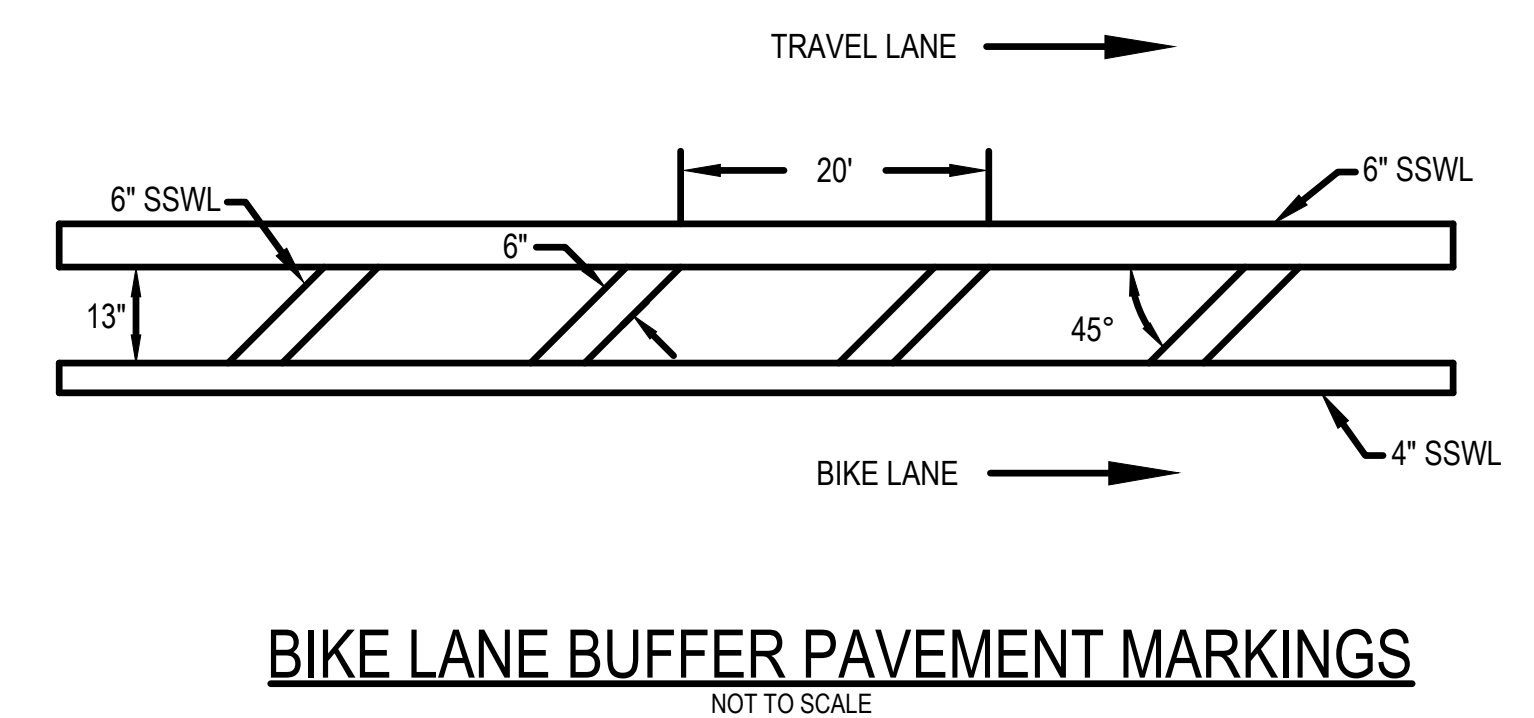
- SIGN INSTALLATION NOTES:**
- ALL SIGNS SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS SHOWN ON PLAN SHEETS. ANY DEVIATION MUST BE APPROVED BY THE METROPOLITAN DEPARTMENT OF PUBLIC WORKS.
 - SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 MUTCD, WITH REVISIONS 1, 2, & 3), 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.

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



TURN LANE ARROW DETAIL
NOT TO SCALE

NOTE:
TURN ARROWS SHALL BE PLACED IN THE STORAGE AREAS AT THE DISTANCES SPECIFIED IN THE PLANS.



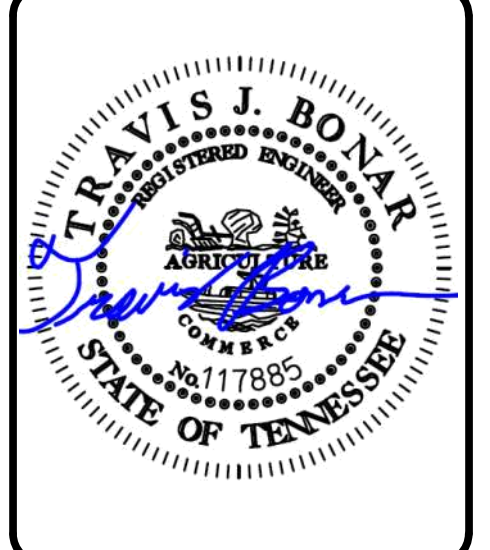
NOTE:
LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT EDGE OF PAVEMENT OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE PLANS.

TYPICAL LATERAL STRIPING DIMENSIONS
NOT TO SCALE



REV	DATE	REVISION DESCRIPTION
1	12.12.23	ADDED DELINEATOR POST TO PLAN SHEETS
2	12.14.23	REVISION AND REVISION HISTORY

**METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE**
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE

















PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

SHEET TITLE:
TYPICAL DETAILS

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SIGN SCHEDULE

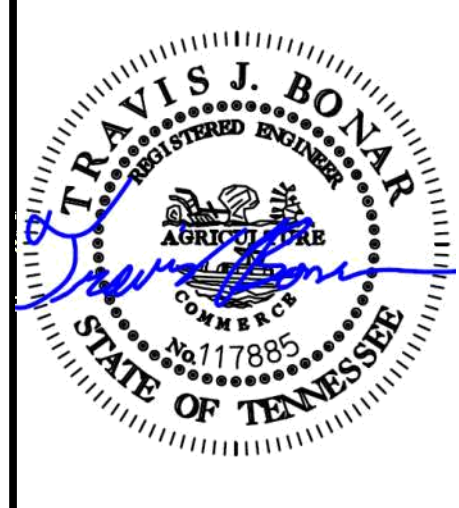
SIGN NO. <small>(AS SPECIFIED IN PLANS)</small>	SIGN	SIGN ID <small>(ALL MUTCD)</small>	SIGN SF	QUANTITY	TOTAL SF	DIMENSIONS
1		W11-15	9	38	342	36"X36"
2		W16-7PR	2	15	30	24"X12"
3		W16-7PL	2	15	30	24"X12"
4		R10-25	.75	15	11.25	9"X12"
5		W16-9P	2	8	16	24"X12"
6		R4-7	5	7	35	24"X30"
7		R3-17	3	12	36	24"X18"
8		R3-17BP	1.33	1	1.33	24"X8"
9		R3-5 (R)	7.5	2	15	30"X36"
10		M6-6	.75	1	.75	12"X9"
11		R10-15 (MOD)(R)	6.25	4	25	30"X30"
12		R3-8 (LTR)	9	2	18	36"X36"
13		M6-3	.75	1	.75	12"X9"
14		R3-4	9	11	99	36"X36"



LDA ENGINEERING

REV	DATE	REVISION DESCRIPTION
1	12.12.23	APPROVE FOR CONSTRUCTION BY AGENCY OWNER
2	12.14.23	CORRECT SIGN AND SHEET NUMBERS

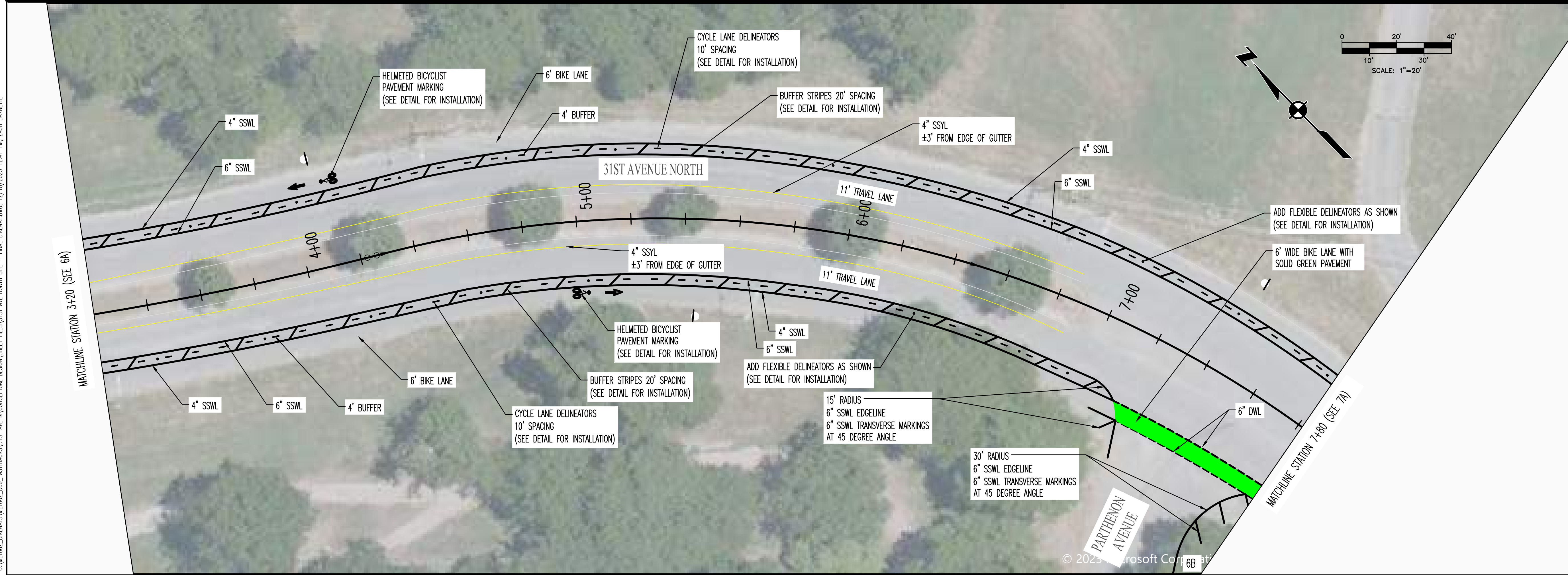
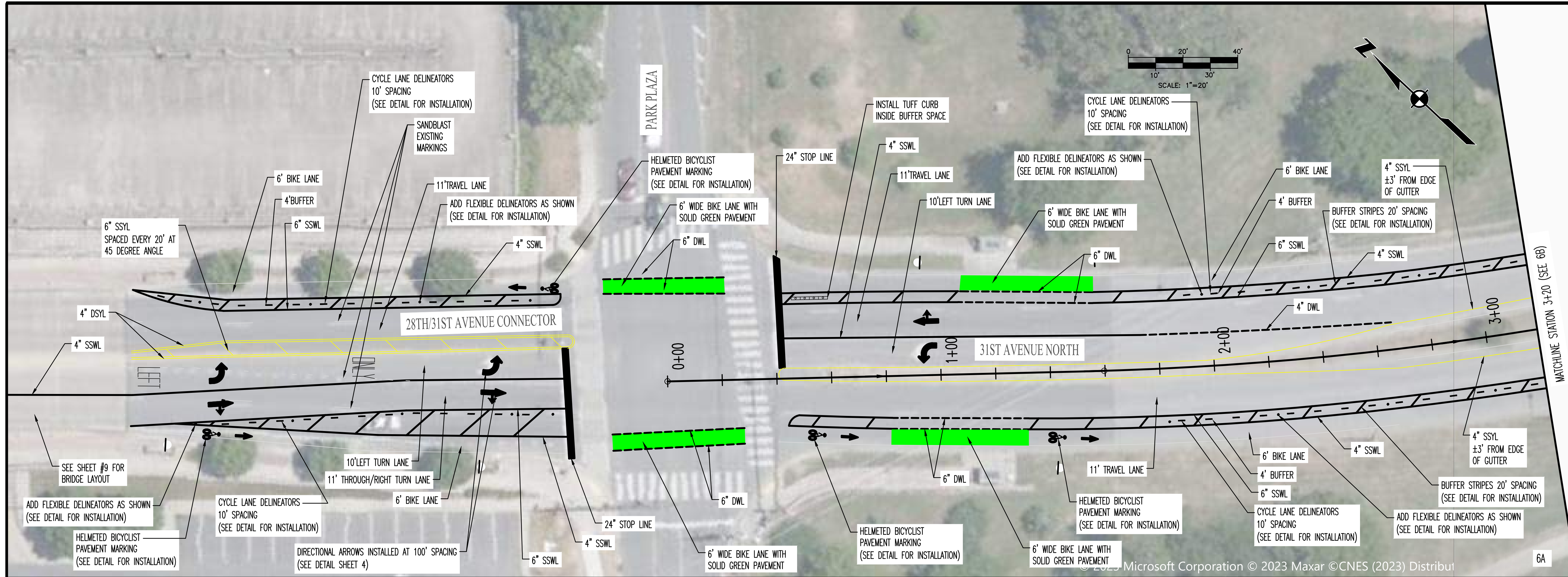
METROPOLITAN GOVERNMENT OF NASHVILLE
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PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

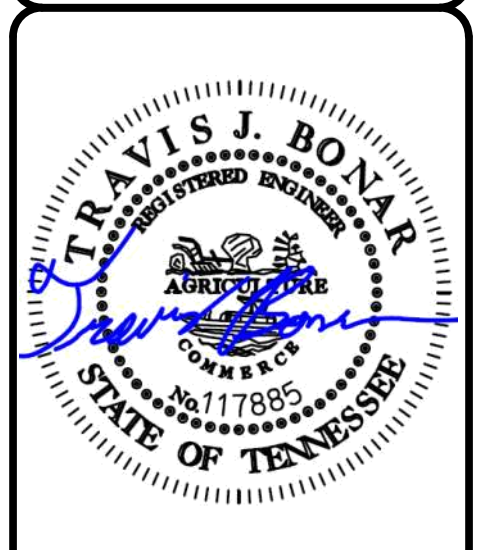
SHEET TITLE:
SIGN SCHEDULE

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REV	DATE	REVISION DESCRIPTION
1	12.12.23	AVENUE DELINEATION AND MARKING
2	12.14.23	DELETED FROM AND RE-INSTALLED

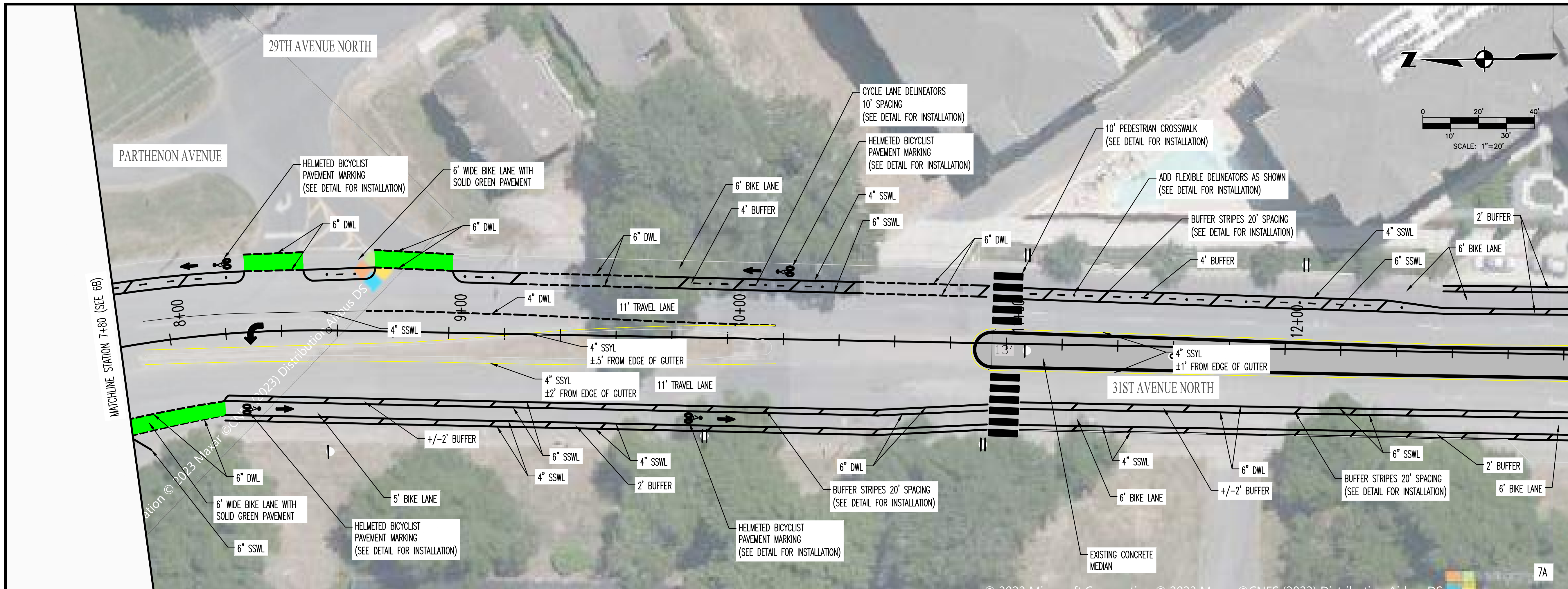
METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
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FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER:	MET008
DATE:	12-2023
DRAWN BY:	JEP
DESIGNED BY:	ZDB
SHEET TITLE:	PROPOSED LAYOUT
SHEET 6 OF 15	

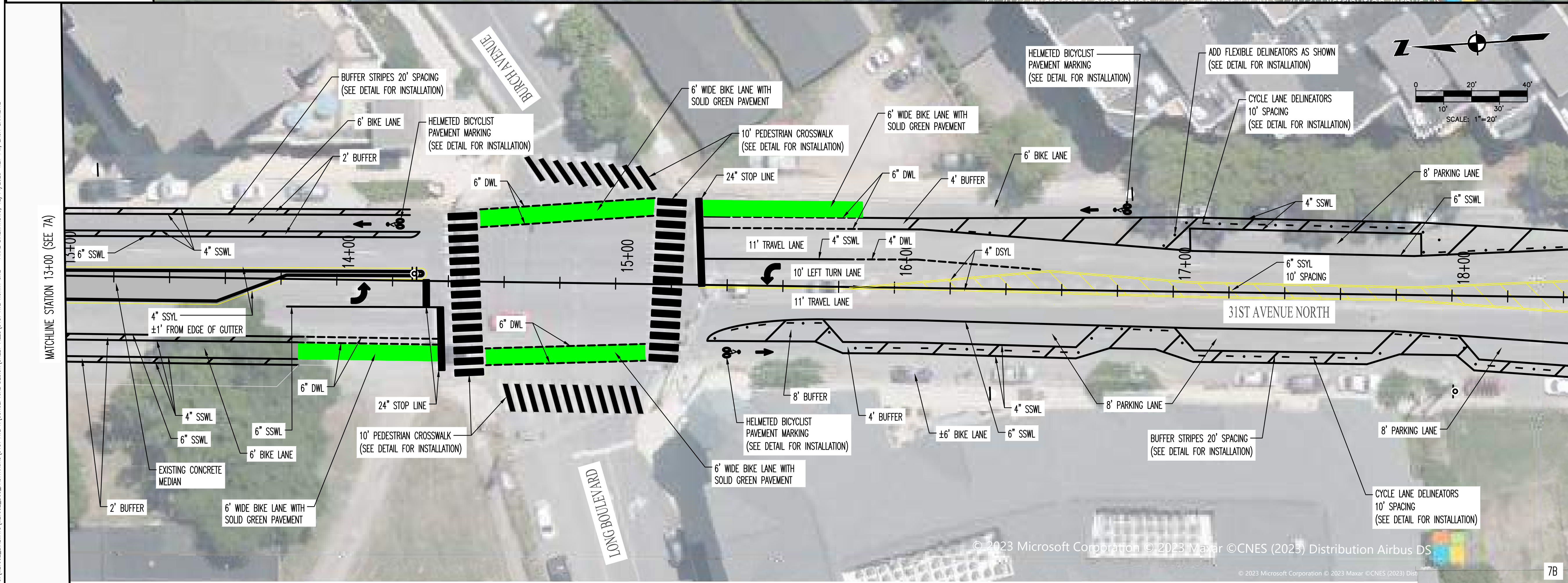
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C:\MET002\BREVIS\MET002_DWG_PASTRACKS\31ST AVE NORTH SITE - FINAL BIKEWAY.DWG, 12/14/2023 4:27 PM, ZACH BRUNETTE



MATCHLINE STATION 7+80 (SEE 6B)

MATCHLINE STATION 13+00 (SEE 7B)



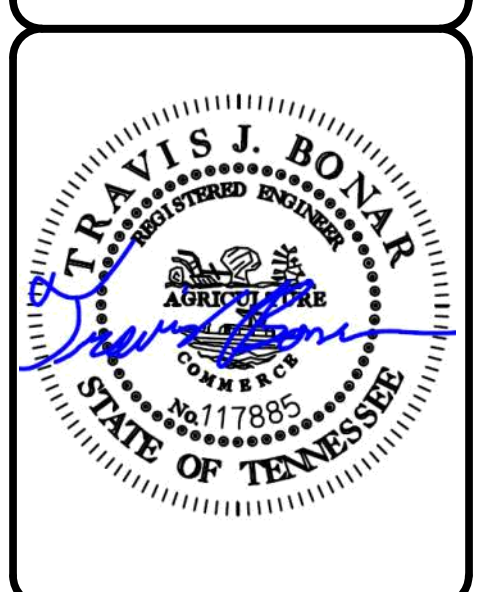
MATCHLINE STATION 13+00 (SEE 7A)

MATCHLINE STATION 18+40 (SEE 8A)



REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMITTING AND CONSTRUCTION
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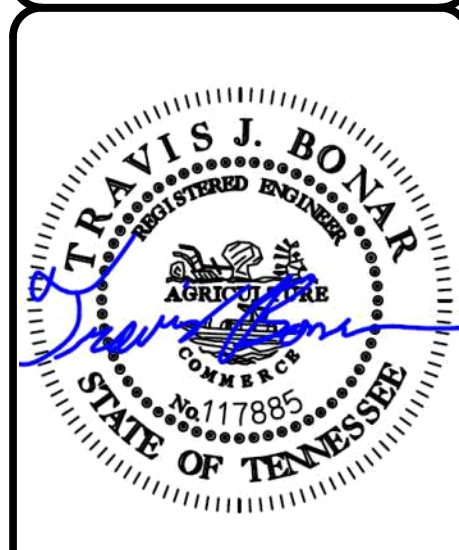
PROJECT NUMBER: MET008	SCALE: 1"=20'
DATE: 12-2023	DRAWN BY: JEP
DESIGNED BY: ZDB	
SHEET TITLE: PROPOSED LAYOUT	
SHEET 7 OF 15	



LDA ENGINEERING

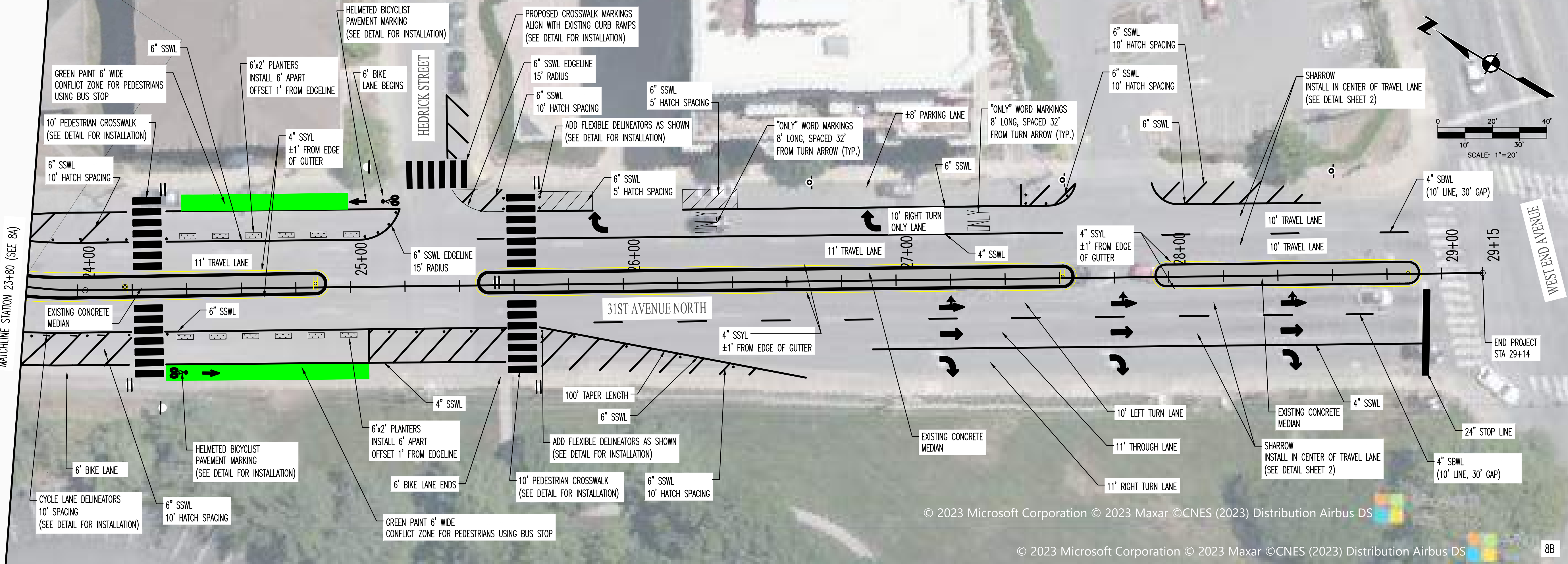
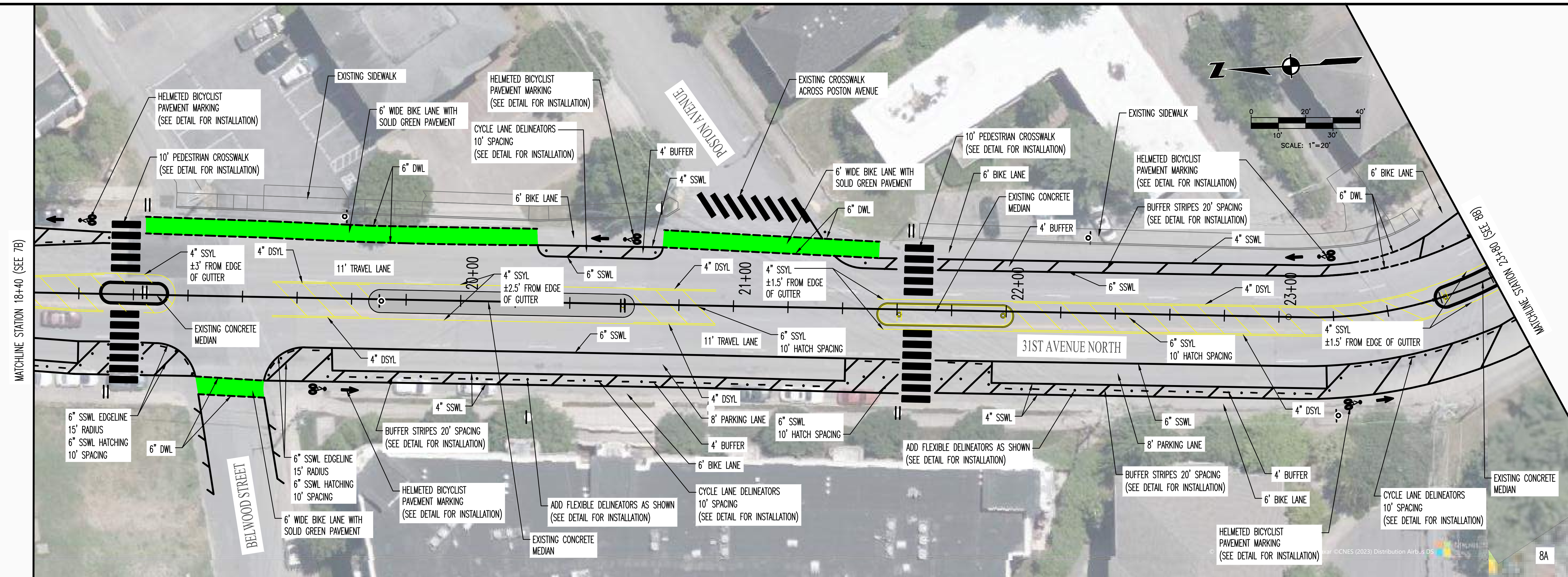
REV	DATE	REVISION DESCRIPTION
1	12.12.23	AVAILABILITY OF DATA FOR AVAILABILITY OF DATA
2	12.14.23	REVISIONS

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
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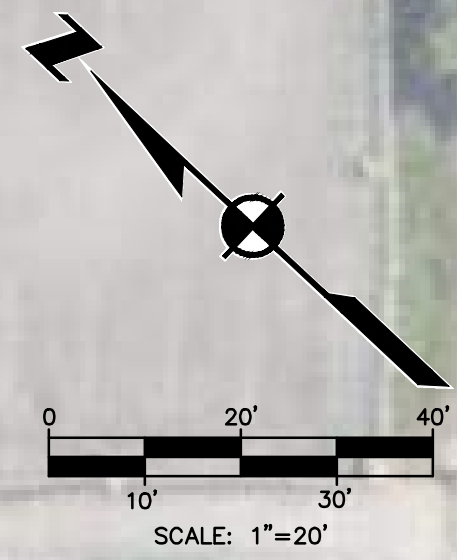
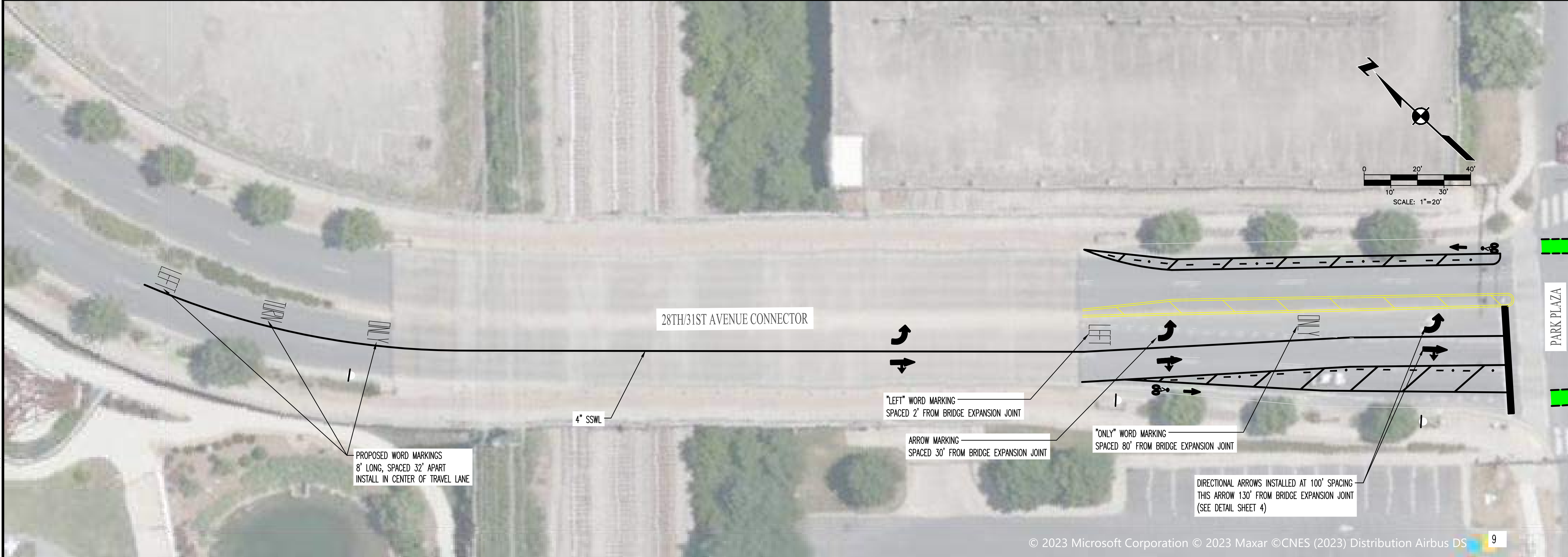
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DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

SHEET TITLE: PROPOSED LAYOUT



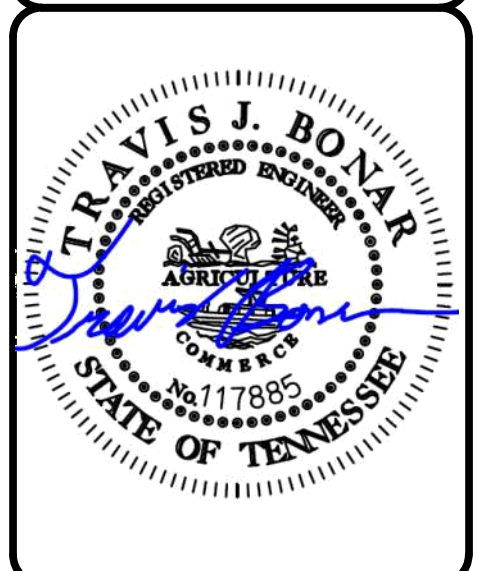
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REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMITTING AND CONSTRUCTION
2	12.14.23	REVISIONS AND CLARIFICATIONS

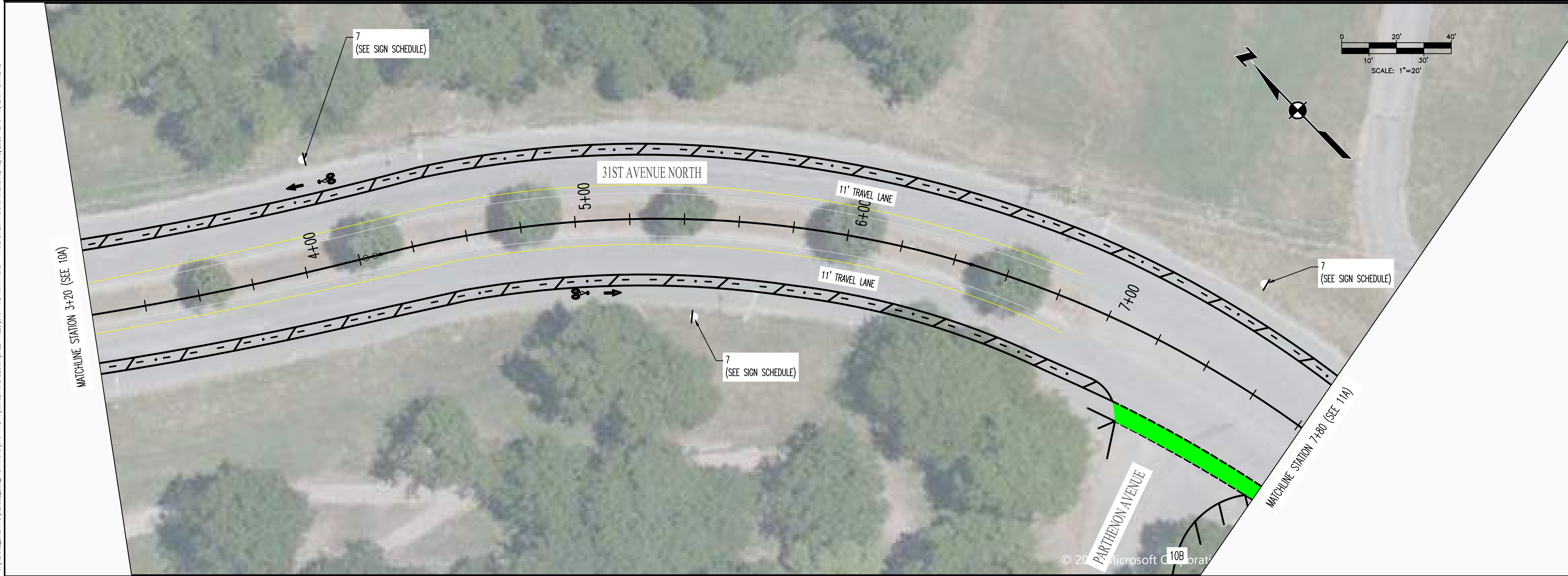
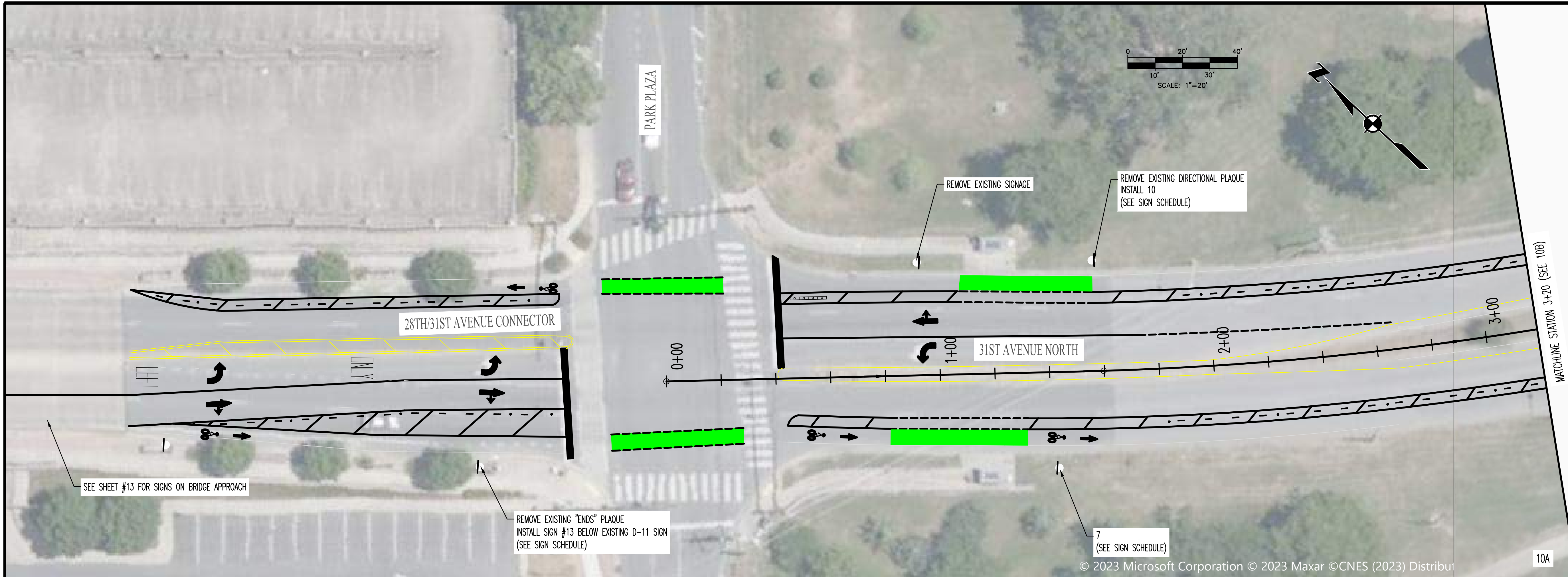
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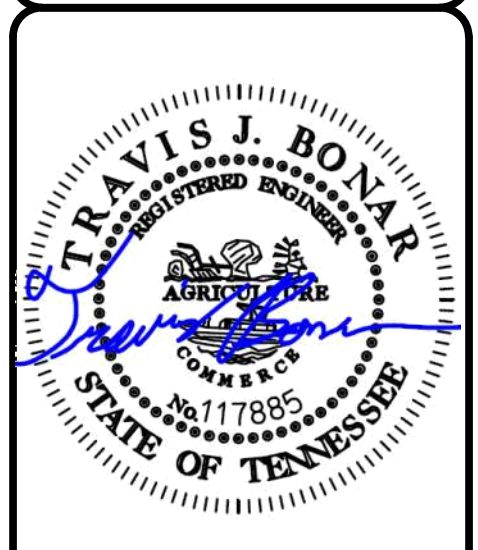
SHEET TITLE:
PROPOSED LAYOUT
APPROACH TO PARK PLAZA
FROM CONNECTOR BRIDGE

SHEET 9 OF 15



REV	DATE	REVISION DESCRIPTION
1	12.12.23	AVENUE, BRIDGE AND SIGNAGE LAYOUTS BY AARON WELLS
2	12.14.23	REVISIONS AND SHEET MATCHING

METROPOLITAN GOVERNMENT OF NASHVILLE
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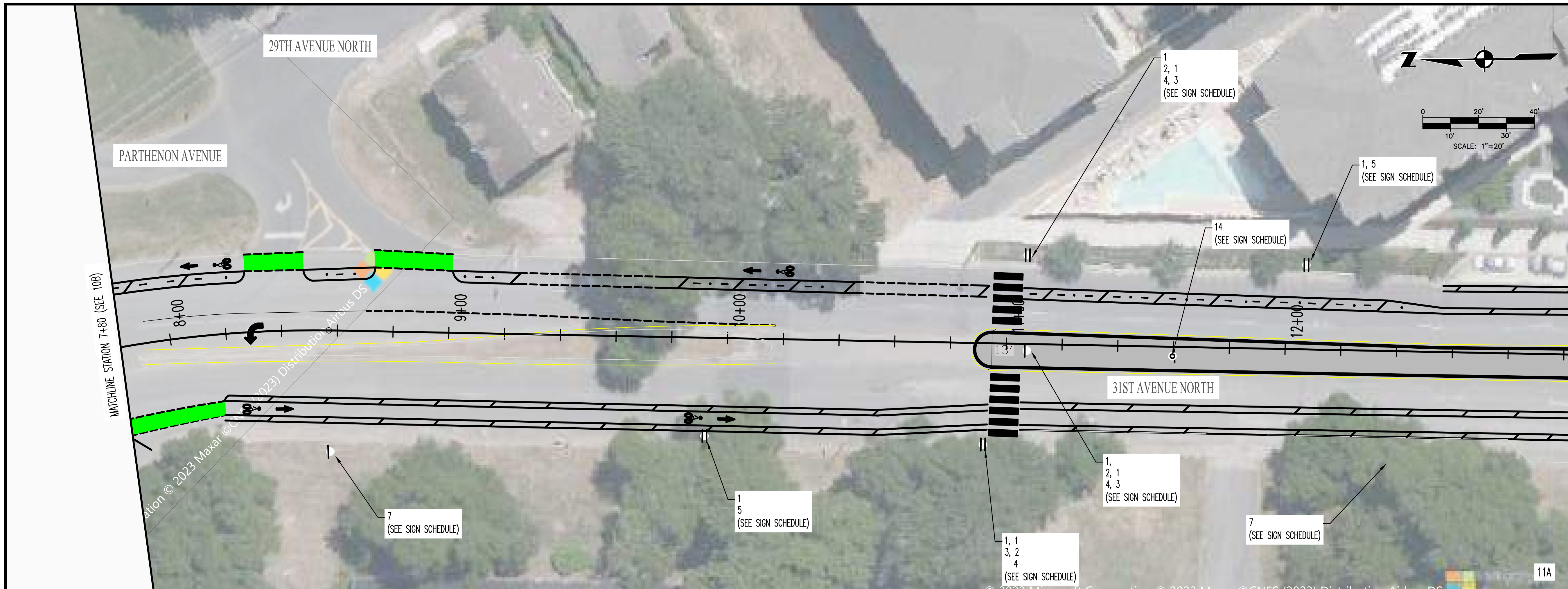
PROJECT NUMBER: MET008
 DATE: 12-2023 SCALE: 1"=20'
 DRAWN BY: JEP DESIGNED BY: ZDB

SHEET TITLE:
 PROPOSED SIGN LAYOUT

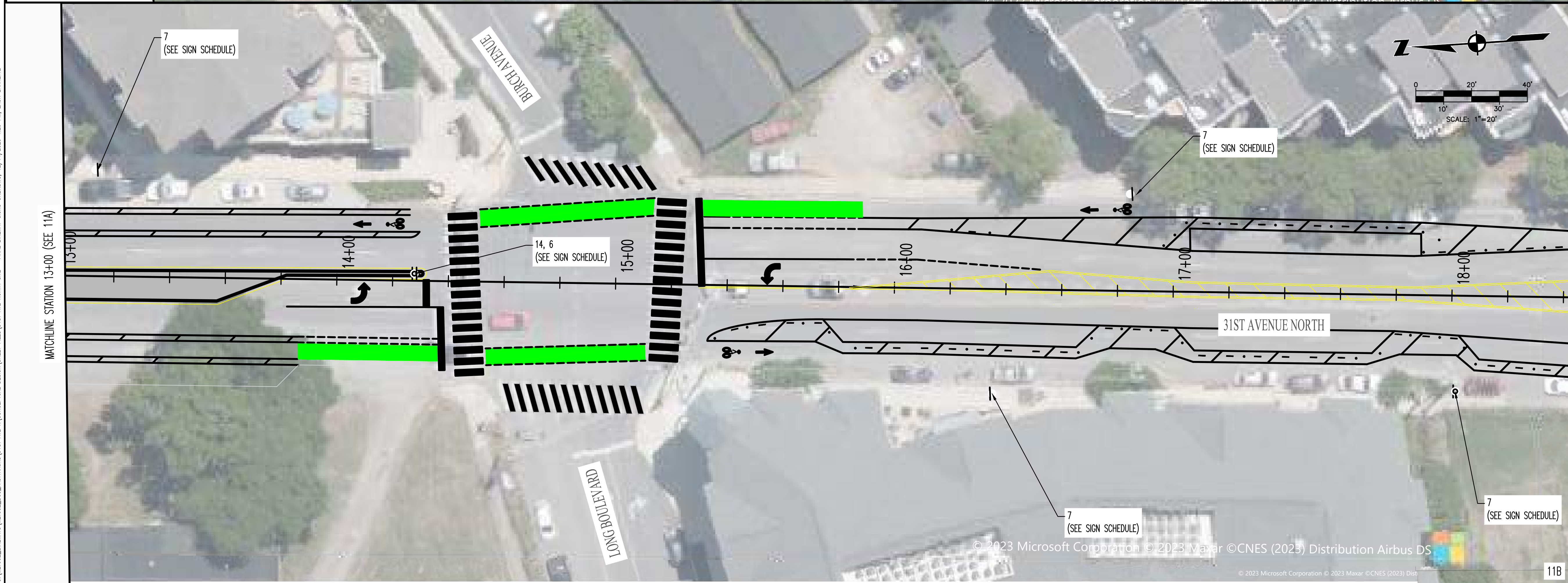
SHEET 10 OF 15

C:\METRO2\BREWINS\METRO2_DWG_PASTRACKS\31ST AVE N\CONCEPTUAL DESIGN\SHEET FILES\31ST AVE NORTH SITE - FINAL BIKEWAY SIGNS ONLY.DWG - 12/15/2023 12:43 PM ZACH BARNETTE

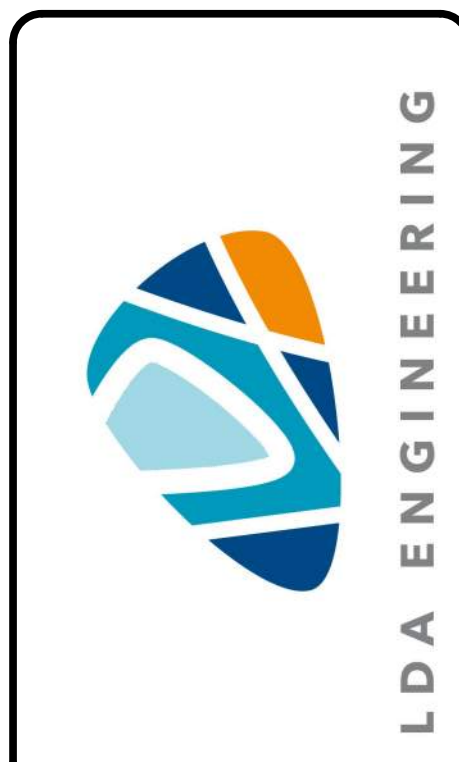
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MATCHLINE STATION 7+80 (SEE 10B)
MATCHLINE STATION 13+00 (SEE 11B)

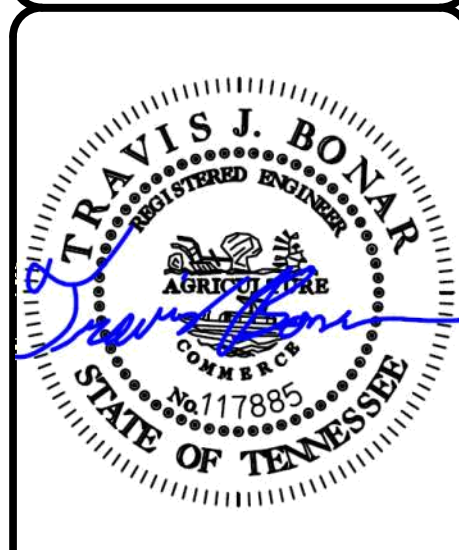


MATCHLINE STATION 13+00 (SEE 11A)
MATCHLINE STATION 18+40 (SEE 12A)



REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMITTING AND CONSTRUCTION
2	12.14.23	ISSUE FOR PERMITTING AND CONSTRUCTION

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

SHEET TITLE:
PROPOSED SIGN LAYOUT

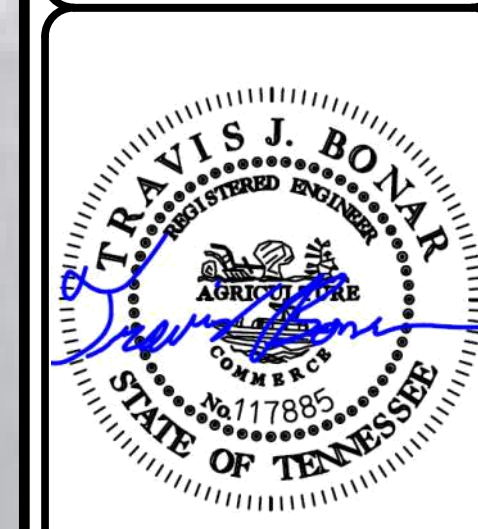
SHEET 11 OF 15



LDA ENGINEERING

REV	DATE	REVISION DESCRIPTION
1	12.12.23	AVENUE, BELWOOD STREET, HEDRICK STREET, 31ST AVENUE NORTH AND WEST END AVENUE
2	12.14.23	REVISIONS

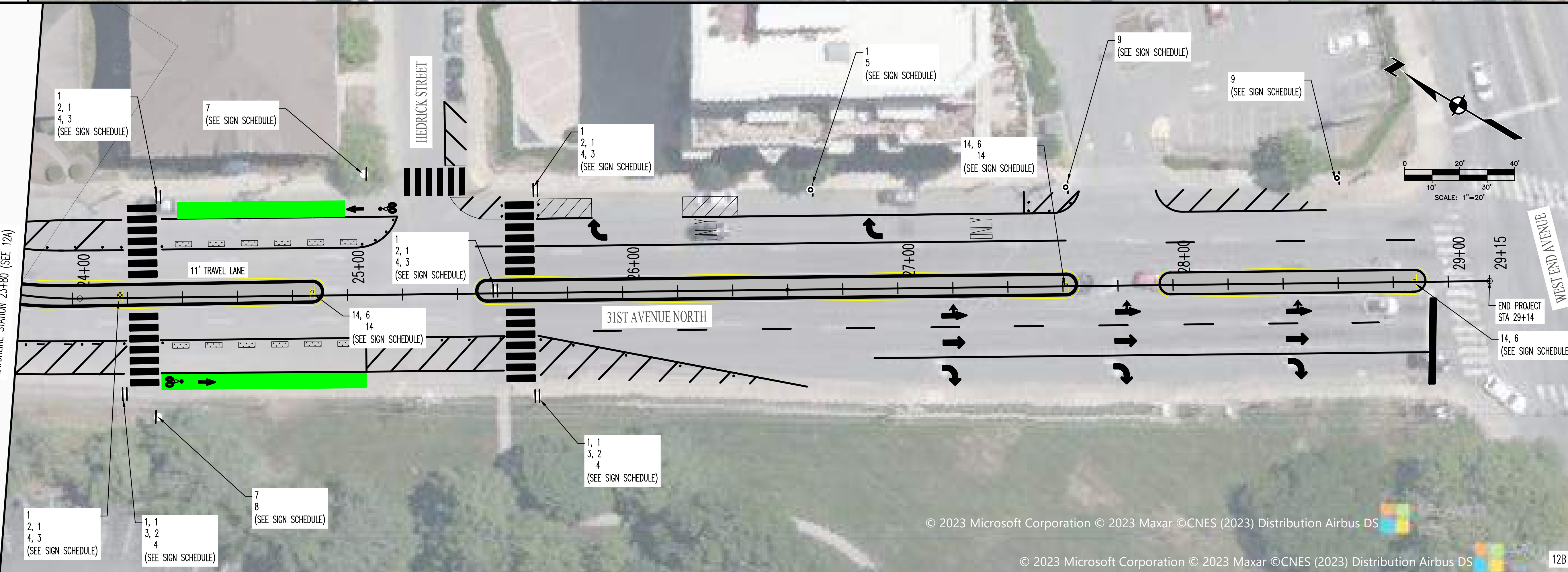
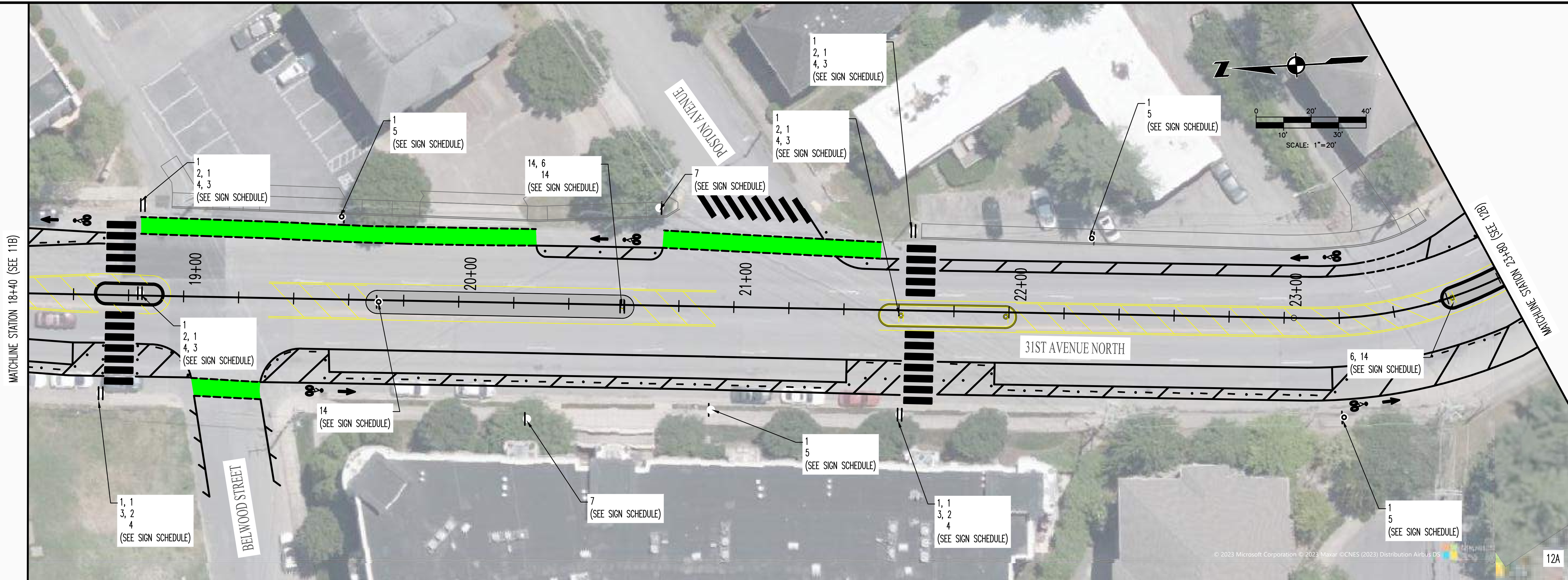
METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

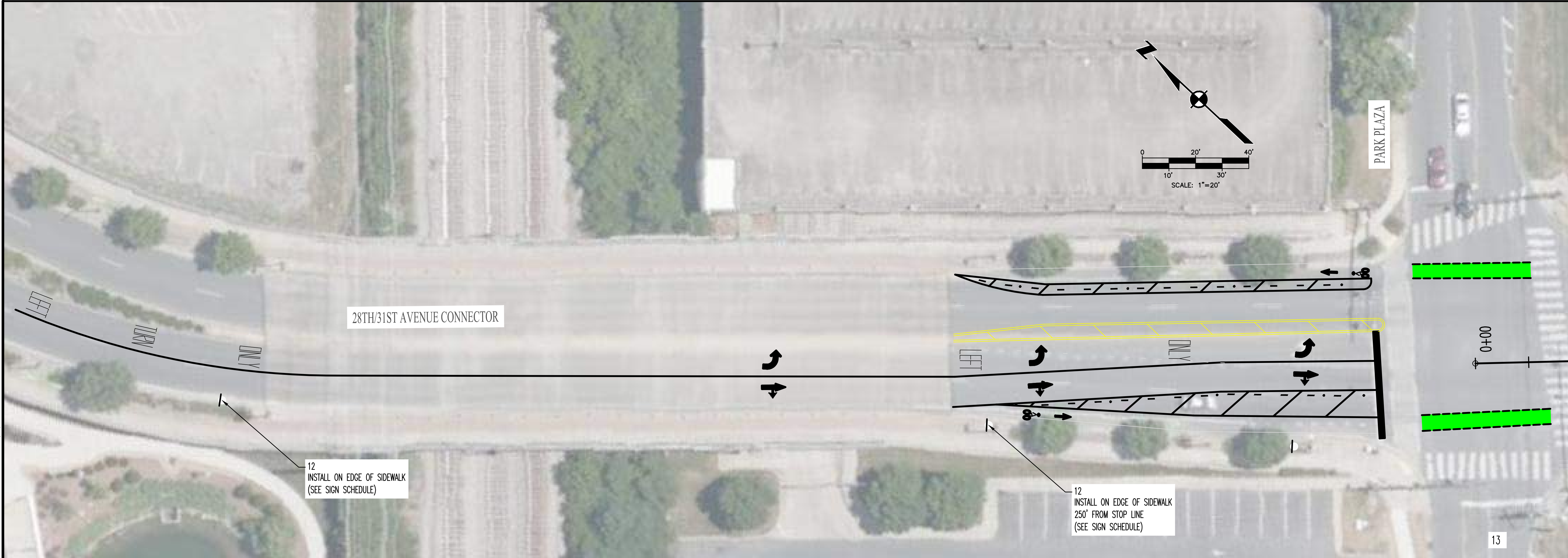
SHEET TITLE:
PROPOSED SIGN LAYOUT

SHEET 12 OF 15



C:\METRO2\BREVIEWS\METRO2_DWG_PASTRACKS\31ST AVE N\CONCEPTUAL DESIGN\SHEET FILES\31ST AVE NORTH SITE - FINAL BIKEWAY SIGNS ONLY.DWG, 12/14/2023 4:30 PM, ZACH BARRIETTE

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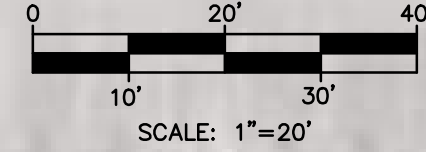


28TH/31ST AVENUE CONNECTOR

PARK PLAZA

12
INSTALL ON EDGE OF SIDEWALK
(SEE SIGN SCHEDULE)

12
INSTALL ON EDGE OF SIDEWALK
250' FROM STOP LINE
(SEE SIGN SCHEDULE)



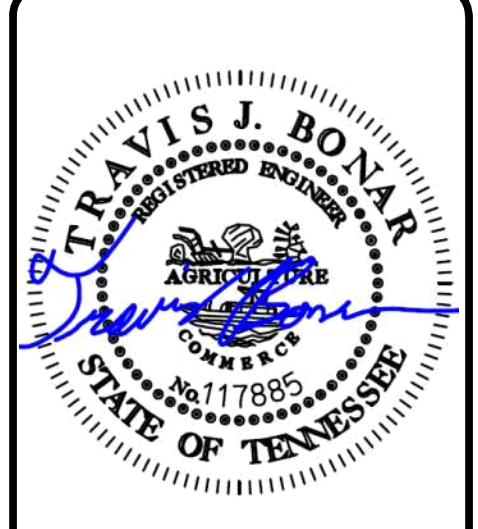
13



LDA ENGINEERING

REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMITTING AND CONSTRUCTION
2	12.14.23	REVISIONS AND CORRECTIVE ACTION

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER: MET008
DATE: 12-2023 SCALE: 1"=20'
DRAWN BY: JEP DESIGNED BY: ZDB

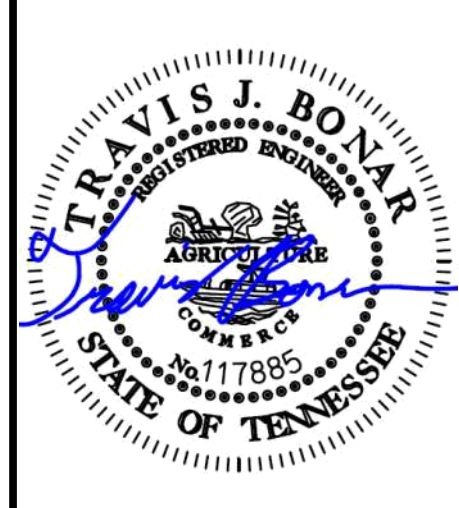
SHEET TITLE:
PROPOSED SIGN LAYOUT
APPROACH TO PARK PLAZA
FROM CONNECTOR BRIDGE

SHEET 13 OF 15



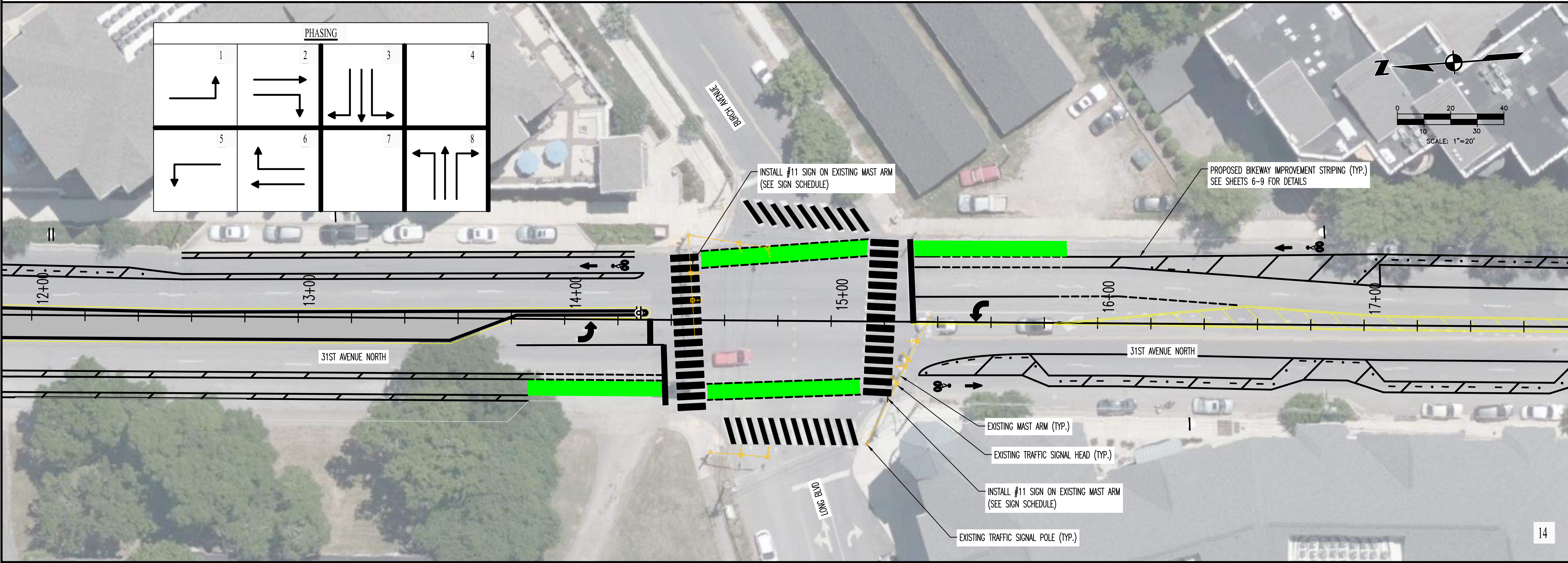
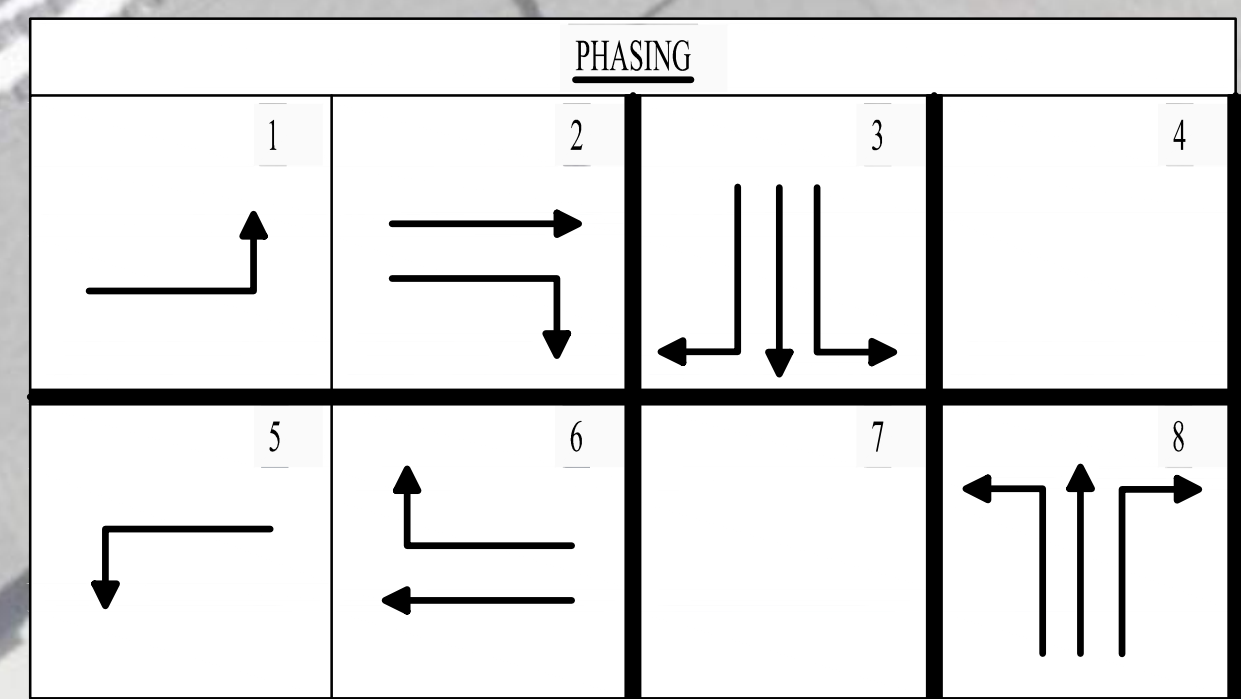
REV	DATE	REVISION DESCRIPTION
1	12.12.23	AVAILABILITY OF INFORMATION BY AGENCY LANE REVISIONS
2	12.14.23	DESIGN AND REVISIONS

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER:	MET008
DATE:	12-2023
SCALE:	1"=20'
DRAWN BY:	JEP
DESIGNED BY:	ZDB

SHEET TITLE:
SIGNAL SHEET
31ST AVE N AND LONG BLVD
INTERSECTION

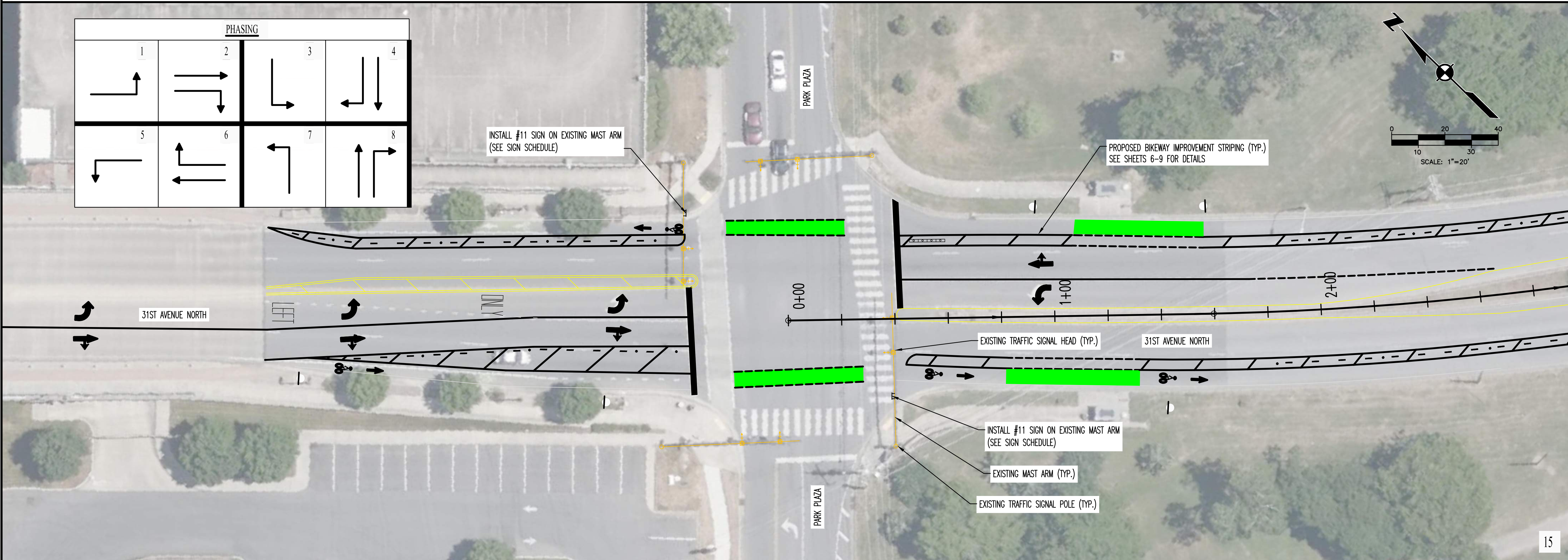


- NOTES:
1. CONTRACTOR SHALL ADJUST LOCATION OF EXISTING SIGNAL HEADS TO BE CENTERED OVER THEIR RESPECTIVE LANES.
 2. CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING DETECTION LOOPS. LOOPS SHOULD BE REPLACED AND RELOCATED IF THE EXISTING LOCATIONS CONFLICT WITH THE NEW LANE CONFIGURATION.
 3. ALL EXISTING SIGNAGE SHALL BE RETAINED, UNLESS EXPLICITLY CALLED OUT TO BE REMOVED AS PART OF THIS PLAN SET.
 4. R10-15 SIGN (R) SHALL BE INSTALLED AT THE INTERSECTIONS OF 31ST AVE N AND LONG BLVD/BURCH AVE, AND 31ST AVE N AND PARK PLAZA.

C:\METRO2\BUREAU\METHODS\TRACKS\31ST AVE N - SIGNAL SHEET (FINAL BIKEWAY) DWG, 12/14/2023 4:31 PM, ZACH BARNETTE

C:\METRO2\BUREAU\METHODS\FASTTRACKS\31ST AVE N\CONCEPTUAL DESIGN\SHEET FILES\31ST AVE N - SIGNAL SHEET (FINAL BIKEWAY) DWG, 12/19/2023, 12:45 PM, ZACH BARNETTE

PHASING			
1 	2 	3 	4
5 	6 	7 	8



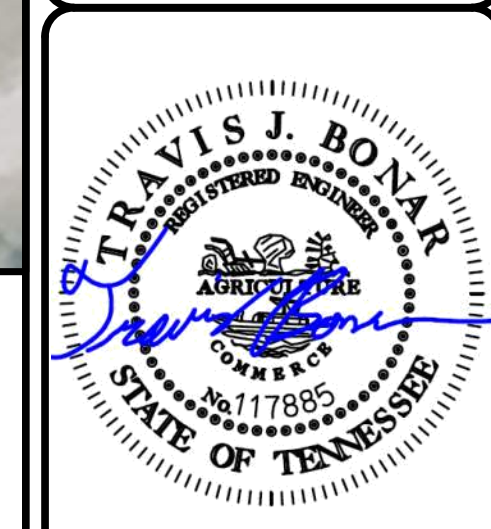
NOTES:

1. CONTRACTOR SHALL ADJUST LOCATION OF EXISTING SIGNAL HEADS TO BE CENTERED OVER THEIR RESPECTIVE LANES.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING DETECTION LOOPS. LOOPS SHOULD BE REPLACED AND RELOCATED IF THE EXISTING LOCATIONS CONFLICT WITH THE NEW LANE CONFIGURATION.
3. ALL EXISTING SIGNAGE SHALL BE RETAINED, UNLESS EXPLICITLY CALLED OUT TO BE REMOVED AS PART OF THIS PLAN SET.
4. R10-15 SIGN (R) SHALL BE INSTALLED AT THE INTERSECTIONS OF 31ST AVE N AND LONG BLVD/BURCH AVE, AND 31ST AVE N AND PARK PLAZA.



REV	DATE	REVISION DESCRIPTION
1	12.12.23	ISSUE FOR PERMIT REVIEW BY METRO ENGINEERS
2	12.14.23	DESIGN AND REVISIONS

METROPOLITAN GOVERNMENT OF NASHVILLE
AND DAVIDSON COUNTY, TENNESSEE
31ST AVENUE NORTH BIKEWAY IMPROVEMENTS
FROM PARK PLAZA TO WEST END AVENUE



PROJECT NUMBER:	MET008
DATE:	12-2023
SCALE:	1"=20'
DRAWN BY:	JEP
DESIGNED BY:	ZDB
SHEET TITLE: SIGNAL SHEET 31ST AVE N AND PARK PLAZA INTERSECTION	
SHEET 15 OF 15	