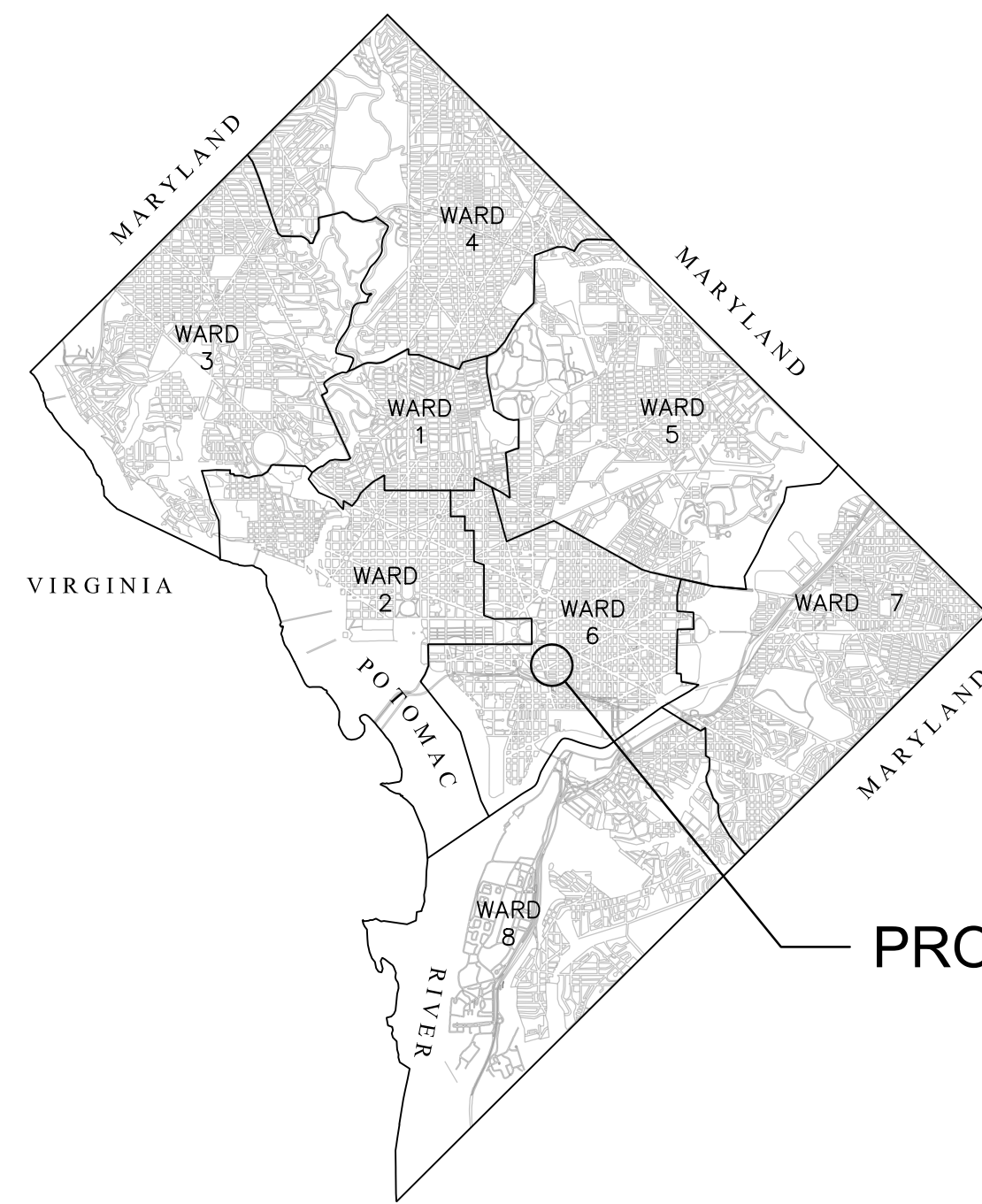


DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION



INDEX OF SHEETS

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2. PROJECT NOTES & DETAILS,
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3. PAVEMENT MARKING QUANTITIES
- 4-5. ADVISORY BIKE LANE LAYOUT PLANS

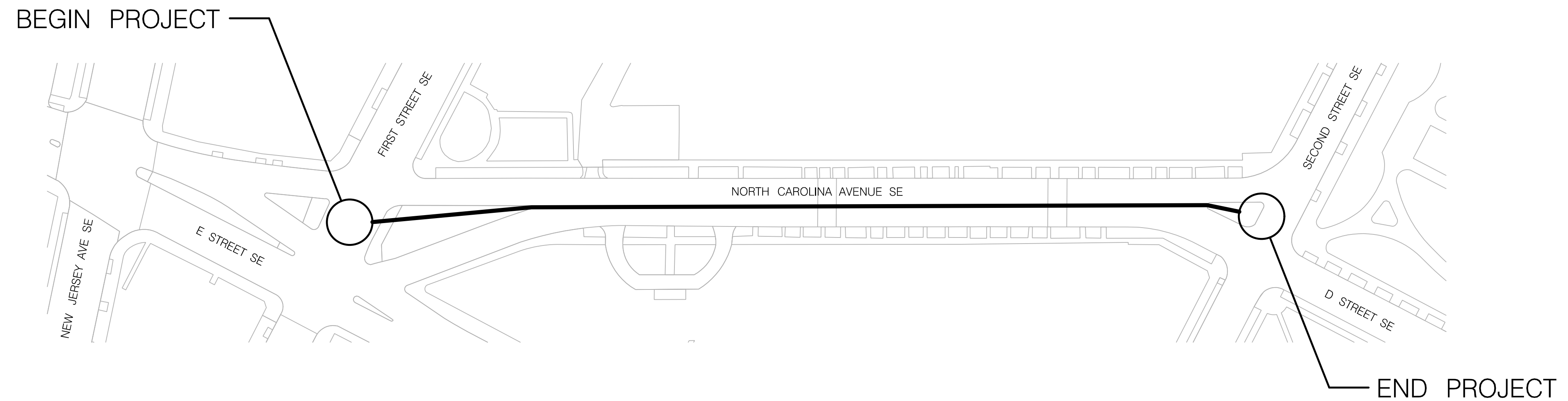


PROJECT SITE

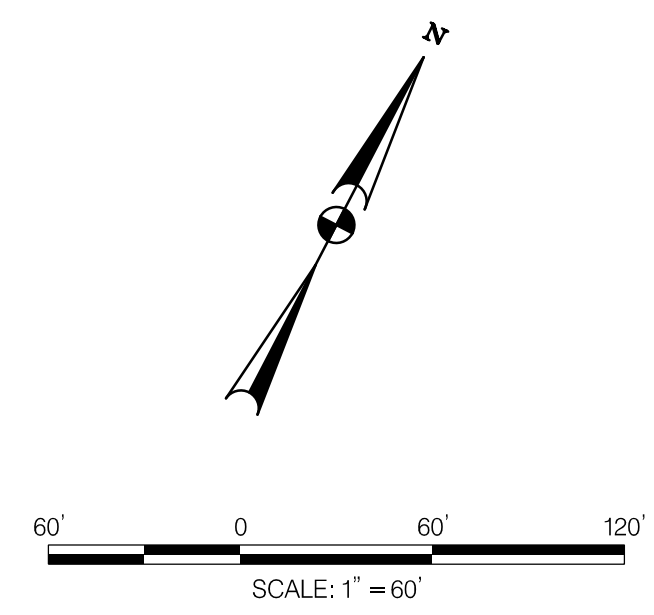
NORTH CAROLINA AVENUE SE FROM FIRST STREET SE TO 2nd STREET SE

CITY MAP

ADVISORY BIKE LANES



FINAL PLANS
October 2021



REVISIONS			
1	CONCEPTUAL (30%) DESIGN PLANS	DAG	October 05, 2021

D.C. DEPARTMENT OF TRANSPORTATION PLANNING AND SUSTAINABILITY DIVISION ACTIVE TRANSPORTATION PROGRAM	
NORTH CAROLINA AVE SE (LOCATION: FIRST ST SE TO 2ND ST SE)	PROJECT ENG. <u> DAG </u> DESIGNED BY <u> DAG </u> CHECKED BY <u> DLL </u> DRAWN BY <u> DAG </u> PROJECT MGR. <u> DLL </u>
TITLE SHEET	DIVISION CHIEF
	DATE <u> October 05, 2021 </u>
	FILE <u> 20210928-01-01-01-01 </u>
	SHEET <u> 1 </u> OF <u> 5 </u>

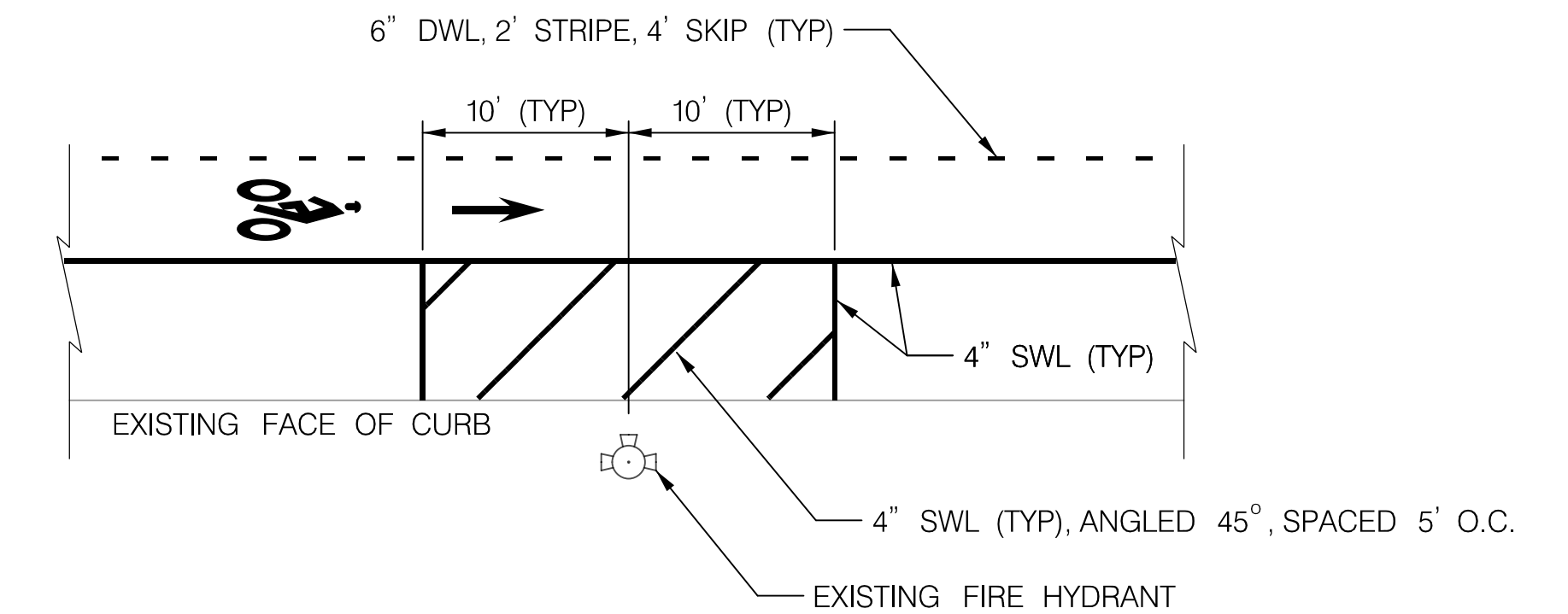
PROJECT NOTES:

GENERAL NOTES:

- ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES (GOLD BOOK) DATED 2013, ISSUED BY THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE DESIGN & ENGINEERING MANUAL (DEM) DATED JANUARY 2019.
 - PER AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), ALL SIDEWALK CROSS SLOPES SHALL NOT EXCEED 2%.
- PAVEMENT MARKING & SIGNING NOTES:
- ALL STRIPING AND SIGN WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES (GOLD BOOK) DATED 2013, DESIGN & ENGINEERING MANUAL (DEM) DATED JANUARY 2019, AND THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD) REQUIREMENTS.
 - PAVEMENT MARKINGS ON ASPHALT PAVEMENT SHALL BE THERMOPLASTIC TYPE.
 - ALL EXISTING PAVEMENT MARKINGS MAY NOT BE SHOWN. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE ERADICATED BY A METHOD APPROVED BY DDOT.
 - NOT ALL DRIVEWAYS HAVE BEEN LOCATED FOR THIS STRIPING AND SIGNAGE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DRIVEWAY LOCATIONS PRIOR TO BEGINNING STRIPING WORK.
 - NOT ALL FIRE HYDRANTS HAVE BEEN LOCATED FOR THIS STRIPING PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING FIRE HYDRANT LOCATIONS AND STRIPING NO PARKING ZONES FOR 10 FEET ON EITHER SIDE OF THE FIRE HYDRANTS WHERE THEY ARE LOCATED ALONG A PARKING LANE. SEE TYPICAL DDOT TYPICAL LANE STRIPING DETAIL FOR TYPICAL FIRE HYDRANT TREATMENT.

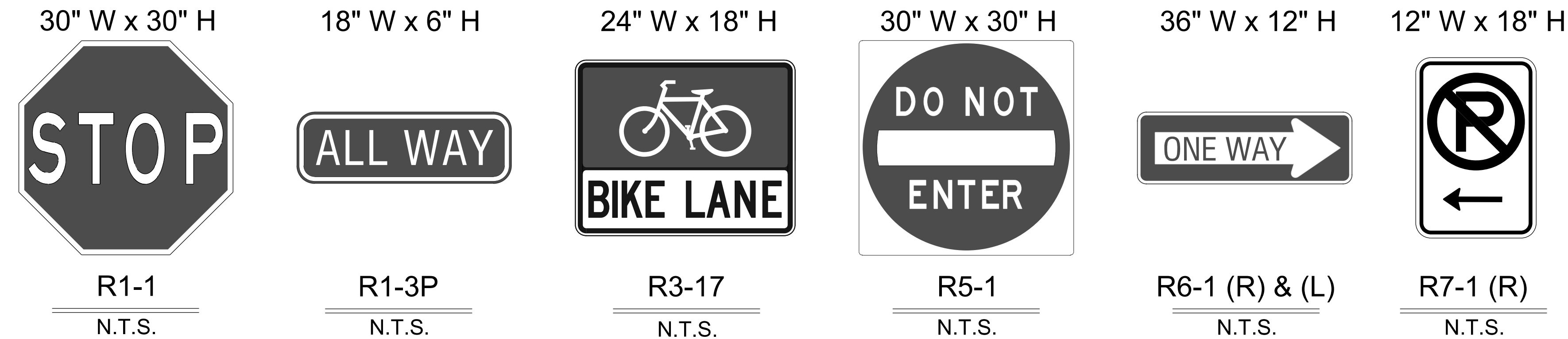
- IF A CROSSWALK IS PRESENT, PARKING SPACES SHALL BE STRIPED WITH A MINIMUM CLEARANCE OF 25 FEET FROM THE CROSSWALK UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE WITH THE DDOT FIELD OPERATIONS DIVISION (FOD), SIGNS AND MARKING DIVISION, REGARDING THE INTENSITY AND REFLECTIVITY OF SIGNS TO BE INSTALLED. THE CONTACT FOR THIS WORK IS OGECHI ELEKWACHI, PHONE NUMBER: 202-369-7483.
- PROPOSED SIGNS SHALL BE INSTALLED SO THAT NO PORTION OF THE SIGN PANEL OVERHANGS ADJACENT ROADWAY PAVEMENT.
- PROPOSED SIGN POSTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND FACE OF CURB. IF LOCATED IN OR ADJACENT TO SIDEWALKS, A 32" MINIMUM CLEAR AND 48" PREFERRED PASSING SPACE ON EXISTING AND PROPOSED SIDEWALKS SHALL BE MAINTAINED.
- ALL TRAFFIC SIGNS SHALL BE MOUNTED ON A STANDARD DDOT BREAKAWAY TYPE METAL SIGN POST.
- PROPOSED SIGNS AT NEW LOCATIONS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
- PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.
- FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.
- SIGNS MOUNTED TO EXISTING LIGHT, SIGNAL OR UTILITY POLES SHALL BE FASTENED WITH A MANUFACTURED STEEL BANDING SYSTEM. POLES SHALL NOT BE DRILLED DIRECTLY. THE CONTRACTOR SHALL SUBMIT MANUFACTURER INFORMATION ON THE BANDING SYSTEM TO DDOT FOR APPROVAL PRIOR TO INSTALLATION.

- THE CONTRACTOR SHALL FOLLOW MUTCD AND DDOT STANDARD DETAILS AND PROCEDURES FOR MAINTENANCE OF TRAFFIC FOR STRIPING AND CONCRETE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PROPER WORK ZONE UNTIL ALL WORK IS COMPLETED.



ADVISORY BIKE LANE FIRE HYDRANT STRIPING DETAIL
NOT TO SCALE

SIGN QUANTITIES:



Sign Designation	MUTCD/DDOT	Sign Type	Use	Sign or Plaque Description	Quantity	Panel Dimensions (IN)		Panel Area	Total Area (SF)
						W	H		
R1-1	MUTCD	Regulatory	Motor Vehicle	Stop	2	30	30	6.25	12.50
R1-3P	MUTCD	Regulatory	Motor Vehicle	All Way	3	18	6	0.75	2.25
R3-17	MUTCD	Regulatory	Motor Vehicle	Bike Lane	2	24	18	3.00	6.00
R5-1	MUTCD	Regulatory	Motor Vehicle	Do Not Enter	1	30	30	6.25	6.25
R6-1 (R)	MUTCD	Regulatory	Motor Vehicle	One Way	2	36	12	3.00	6.00
R6-1 (L)	MUTCD	Regulatory	Motor Vehicle	One Way	2	36	12	3.00	6.00
R7-1 (R)	DDOT	Regulatory	Motor Vehicle	No Parking (Right Arrow)	1	12	18	1.50	1.50
								Total:	40.50

D.C. DEPARTMENT OF TRANSPORTATION
PLANNING AND SUSTAINABILITY DIVISION
ACTIVE TRANSPORTATION PROGRAM

NORTH CAROLINA AVE SE
(LOCATION: FIRST ST SE TO 2ND ST SE)

PROJECT NOTES & DETAILS,
SIGN DETAILS & QUANTITIES

PROJECT ENG. DAG
DESIGNED BY DAG
CHECKED BY DLL
DRAWN BY DAG
PROJECT MGR. DLL
DIVISION CHIEF
DATE October 05, 2021
FILE
SHEET 2 OF 5

NO.	DESCRIPTION	NAME	DATE



PAVEMENT MARKING QUANTITIES

ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKINGS - STRIPING		
4" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID	1320	LF
4" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (ANGLED 45 DEG, NO PARKING ZONE)	350	LF
4" WHITE THERMOPLASTIC PAVEMENT MARKING - DASHED (2' STRIPE, 4' SKIP)*	40	LF
4" WHITE THERMOPLASTIC PAVEMENT MARKING - DOUBLE SOLID	200	LF
6" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID	320	LF
6" WHITE THERMOPLASTIC PAVEMENT MARKING - DASHED (2' STRIPE, 4' SKIP)*	320	LF
12" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (STOP BAR)	15	LF
4" YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID (ANGLED 45 DEG, NO PARKING ZONE)	60	LF
4" YELLOW THERMOPLASTIC PAVEMENT MARKING - DOUBLE SOLID	160	LF
WHITE THERMOPLASTIC PAVEMENT MARKING - SYMBOLS		
BIKE LANE SYMBOL	8	EA
SHARED LANE SYMBOL	1	EA
STANDARD SPEED HUMP CHEVRON MARKINGS	4	EA
CYCLE TRACK BUFFER MATERIALS		
FLEXIBLE CHANNELIZER POST	12	EA

* Quantities for dashed line types represent length of actual striping (excludes skip length)

Note: Striping and flexible channelizer post quantities are approximate. Field measurements will be used for final billing/accounting purposes.

D.C. DEPARTMENT OF TRANSPORTATION
PLANNING AND SUSTAINABILITY DIVISION
ACTIVE TRANSPORTATION PROGRAM

NORTH CAROLINA AVE SE
(LOCATION: FIRST ST SE TO 2ND ST SE)

PROJECT ENG.	DAG
DESIGNED BY	DAG
CHECKED BY	DLL
DRAWN BY	DAG
PROJECT MGR.	DLL

DIVISION CHIEF

PAVEMENT MARKING QUANTITIES

DATE: October 05, 2021

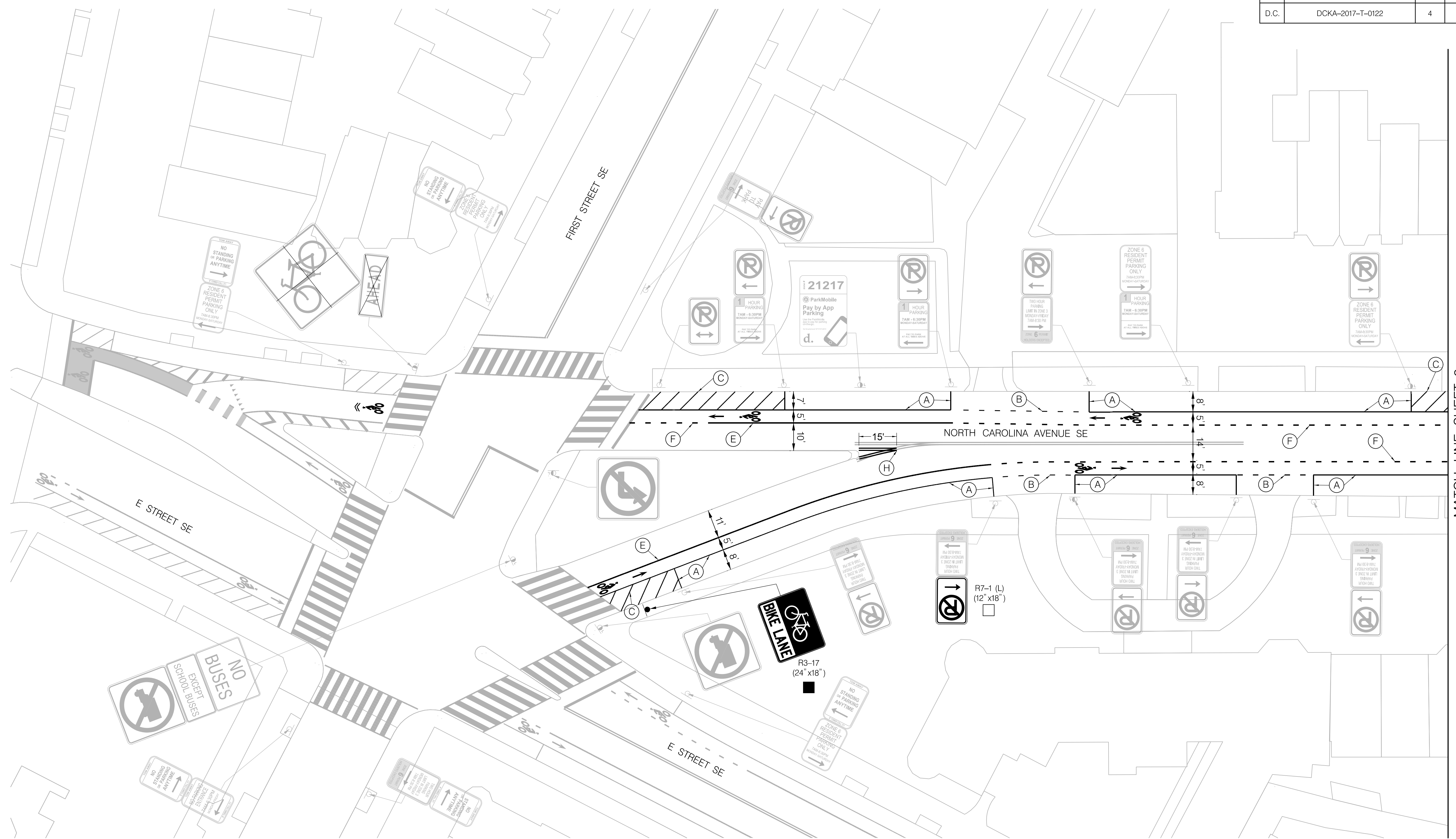
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SHEET 3 OF 5



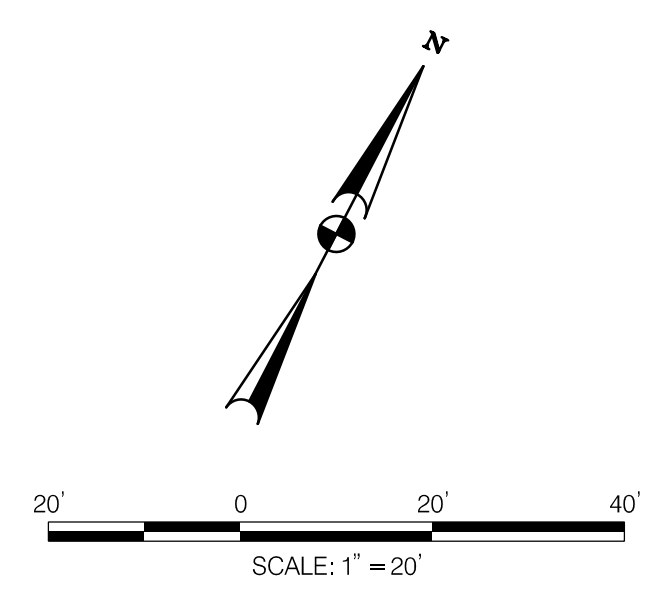
NO.	DESCRIPTION	NAME	DATE

REVISIONS



SIGNING & PAVEMENT MARKINGS LEGEND

- | | |
|--|---|
| (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | (J) STANDARD SPEED HUMP CHEVRON MARKINGS |
| (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | (K) INSTALL WHITE FLEXPOSTS AS SHOWN 2' IN FROM THE GORE PERIMETER |
| (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | 🚲 BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (D) 4 INCH SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | 🚲 SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (E) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | ■ NEW SIGN TO BE INSTALLED ON NEW POST |
| (F) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | □ NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE |
| (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS | |
| (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS | |
| (I) 4 INCH DOUBLE SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | |



NOTE:
 1. STRIPING FOR PARKING LIMITS SHALL MATCH EXISTING SIGNING, UNLESS NOTED OTHERWISE.



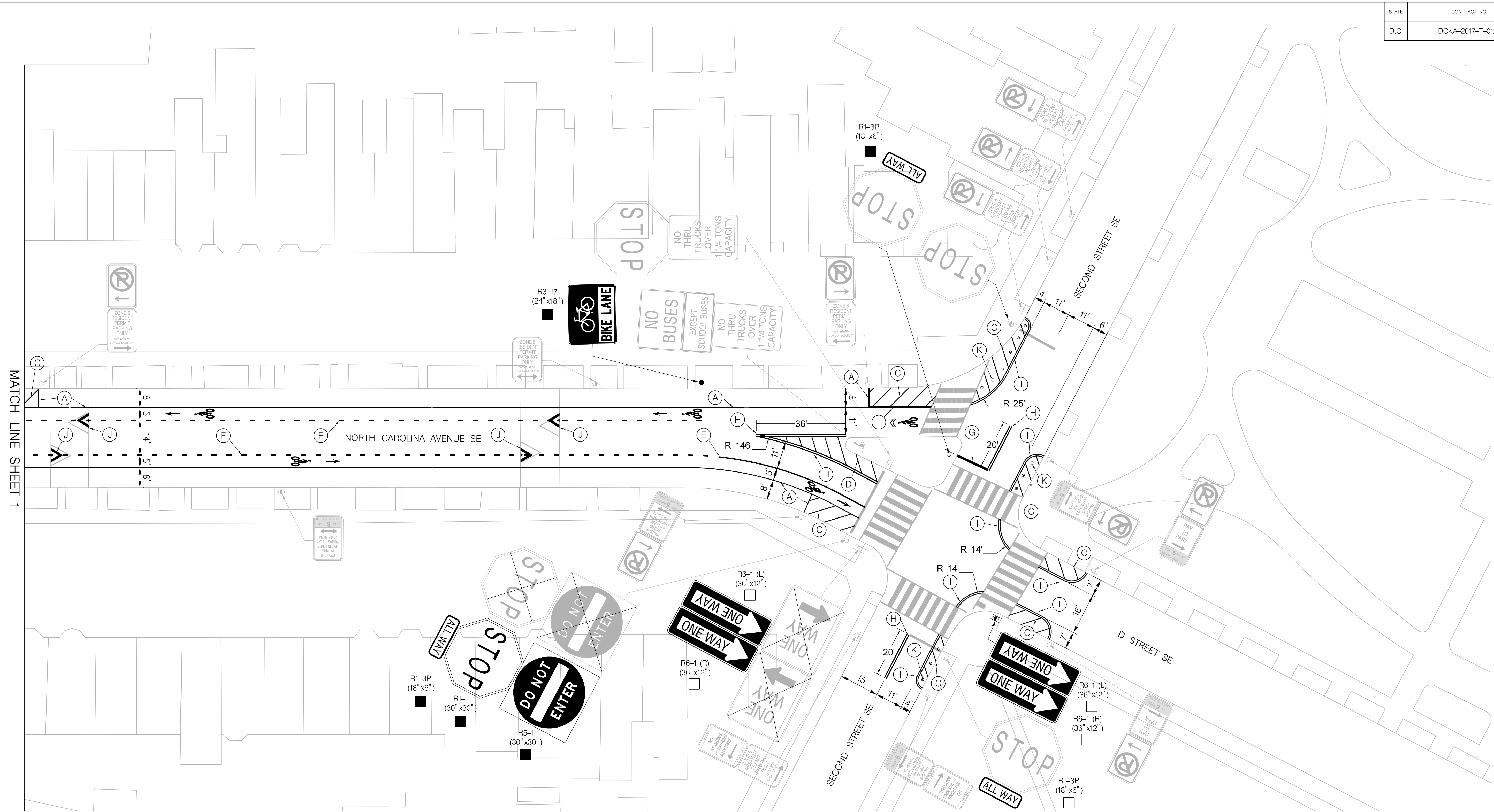
NO.	DESCRIPTION	NAME	DATE
REVISIONS			

D.C. DEPARTMENT OF TRANSPORTATION
 PLANNING, AND SUSTAINABILITY DIVISION
 ACTIVE TRANSPORTATION PROGRAM

NORTH CAROLINA AVE SE
 (LOCATION: FIRST ST SE TO 2ND ST SE)

ADVISORY BIKE LANE LAYOUT PLANS
 (SHEET 1 OF 2)

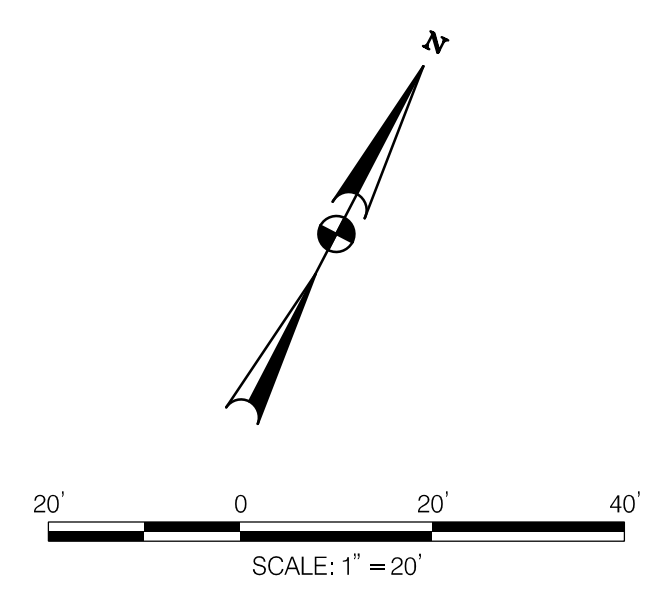
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DESIGNED BY <u>DAG</u>	DATE <u>October 05, 2021</u>
CHECKED BY <u>DLL</u>	FILE <u>20210908.dwg</u>
DRAWN BY <u>DAG</u>	SHEET <u>4</u> OF <u>5</u>
PROJECT MGR. <u>DLL</u>	



SIGNING & PAVEMENT MARKINGS LEGEND

- | | |
|--|---|
| (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | (J) STANDARD SPEED HUMP CHEVRON MARKINGS |
| (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | (K) INSTALL WHITE FLEXPOSTS AS SHOWN 2' IN FROM THE GORE PERIMETER |
| (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (D) 4 INCH SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (E) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | NEW SIGN TO BE INSTALLED ON NEW POST |
| (F) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE |
| (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS | |
| (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS | |
| (I) 4 INCH DOUBLE SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | |

NOTE:
 1. STRIPING FOR PARKING LIMITS SHALL MATCH EXISTING SIGNING, UNLESS NOTED OTHERWISE.



D.C. DEPARTMENT OF TRANSPORTATION PLANNING, AND SUSTAINABILITY DIVISION ACTIVE TRANSPORTATION PROGRAM	
NORTH CAROLINA AVE SE (LOCATION: FIRST ST SE TO 2ND ST SE)	PROJECT ENG. <u>DAG</u> DESIGNED BY <u>DAG</u> CHECKED BY <u>DAG</u> DRAWN BY <u>DAG</u> PROJECT MGR. <u>DLL</u>
ADVISORY BIKE LANE LAYOUT PLANS (SHEET 2 OF 2)	
DIVISION CHIEF DATE <u>October 05, 2021</u> FILE <u>20210908.dwg</u> SHEET <u>5</u> OF <u>5</u>	

NO.	DESCRIPTION	NAME	DATE
REVISIONS			