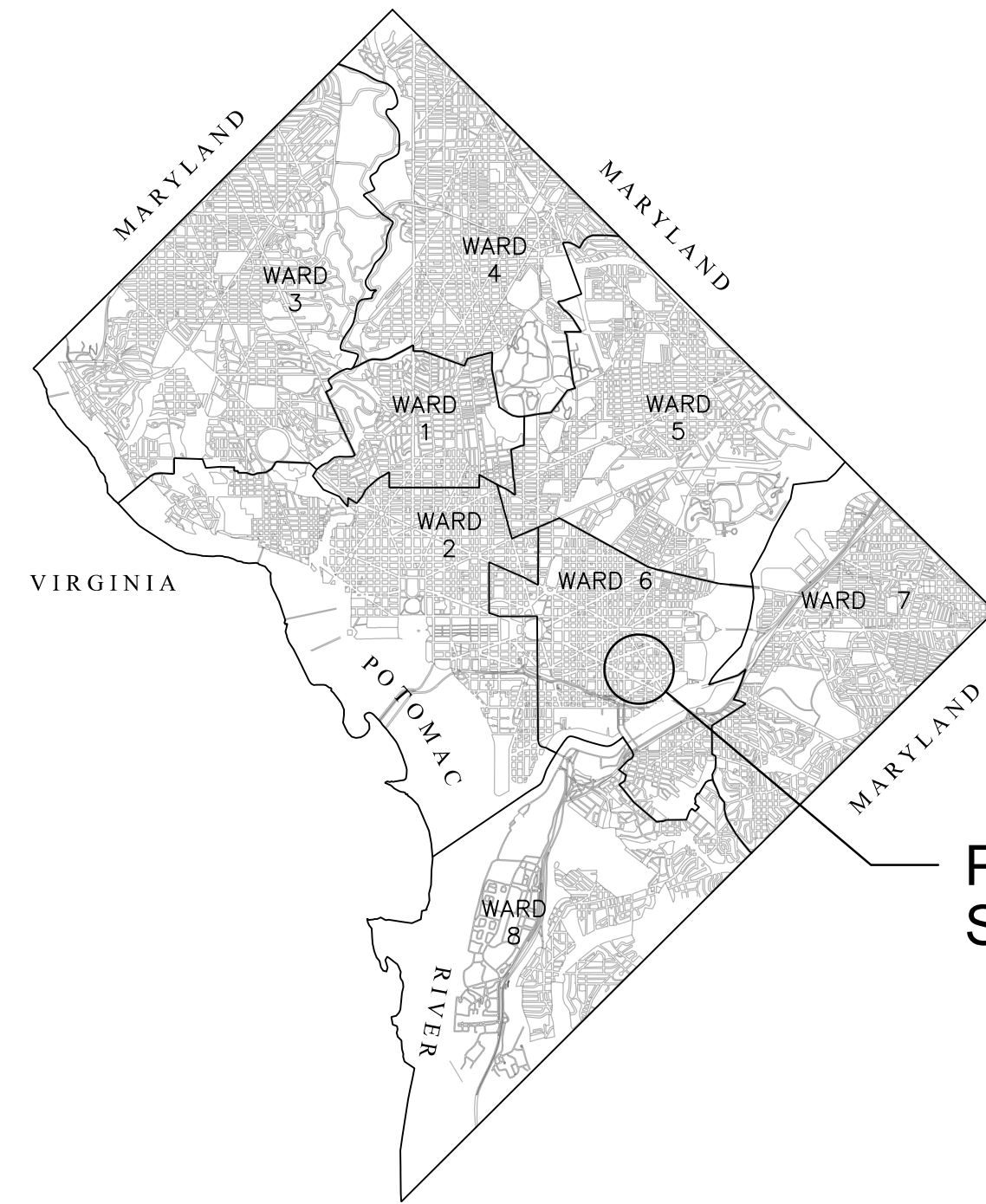


DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION



INDEX OF SHEETS

1. TITLE SHEET
2. PROJECT NOTES & SIGN SUMMARY SHEET
- 3-8. ADVISORY BIKE LANE LAYOUT PLANS



PROJECT SITE

CITY MAP

E STREET SE FROM 11th STREET SE TO POTOMAC AVENUE SE

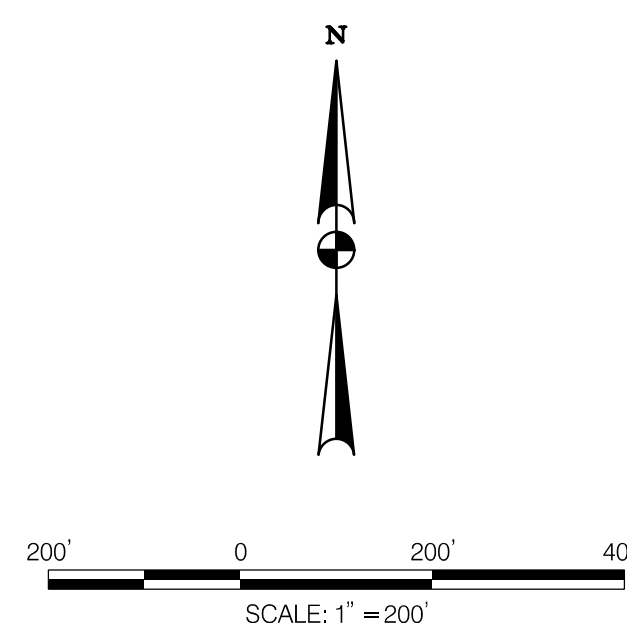
ADVISORY BIKE LANES

BEGIN PROJECT



END PROJECT

FINAL PLANS
June 2020



REVISIONS			
2	FINAL (100%) DESIGN PLANS	DAG	2020-06-15
1	CONCEPTUAL (30%) DESIGN PLANS	DAG	2020-04-17

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

E STREET SE
ADVISORY BIKE LANE PLANS

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

DIVISION CHIEF

TITLE SHEET

DATE JULY 2020
FILE title_e_st_se.dgn
SHEET 1 OF 8

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
- 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 OGECHIELEKWACHI, 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.

30" W x 30" H



R1-1
N.T.S.

24" W x 18" H



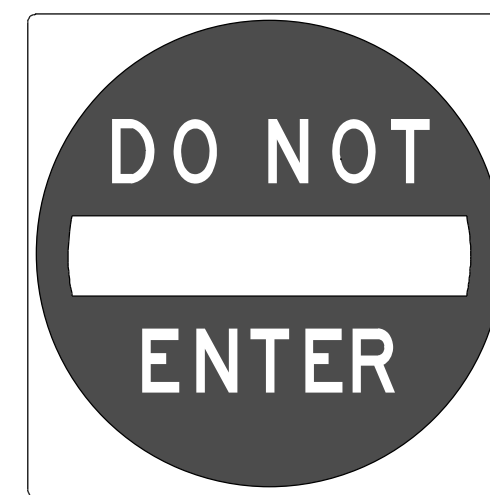
R3-17
N.T.S.

24" W x 8" H



R3-17bP
N.T.S.

30" W x 30" H



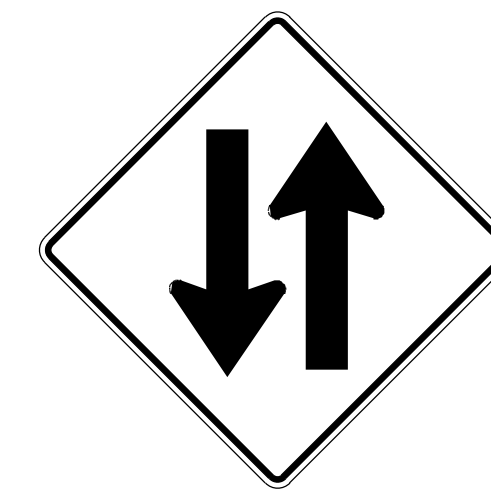
R5-1
N.T.S.

12" W x 18" H



R7-CUSTOM1, (L) & (R)
N.T.S.

30" W x 30" H



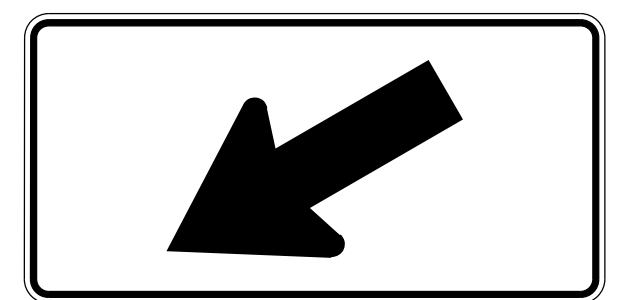
W6-3
N.T.S.

30" W x 30" H



W11-2
N.T.S.

24" W x 12" H



W16-7p, (L)
N.T.S.

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	1	30	30	6.25	6.25
R3-17	MUTCD	Regulatory	Motor Vehicle	Bike Lane	17	24	18	3.00	51.00
R3-17bP	MUTCD	Regulatory	Motor Vehicle	Ends	2	24	8	1.33	2.67
R5-1	MUTCD	Regulatory	Motor Vehicle	Do Not Enter	1	30	30	6.25	6.25
R7-CUSTOM1 (L)	DDOT	Regulatory	Motor Vehicle	No Parking PUDO Zone	2	12	18	1.50	3.00
R7-CUSTOM1 (R)	DDOT	Regulatory	Motor Vehicle	No Parking PUDO Zone	2	12	18	1.50	3.00
W6-3	DDOT	Warning	Motor Vehicle	Two-Way Travel	6	30	30	6.25	37.50
W11-2	DDOT	Warning	Motor Vehicle	Pedestrian Crossing	2	30	30	6.25	12.50
W16-7p	DDOT	Warning	Motor Vehicle	Left Arrow	2	24	12	2.00	4.00
								Total:	126.17

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

E STREET SE
(LOCATION: 11TH ST SE TO
17TH ST SE)

PROJECT NOTES & SIGN
SUMMARY SHEET

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

DIVISION CHIEF

DATE JULY 2020

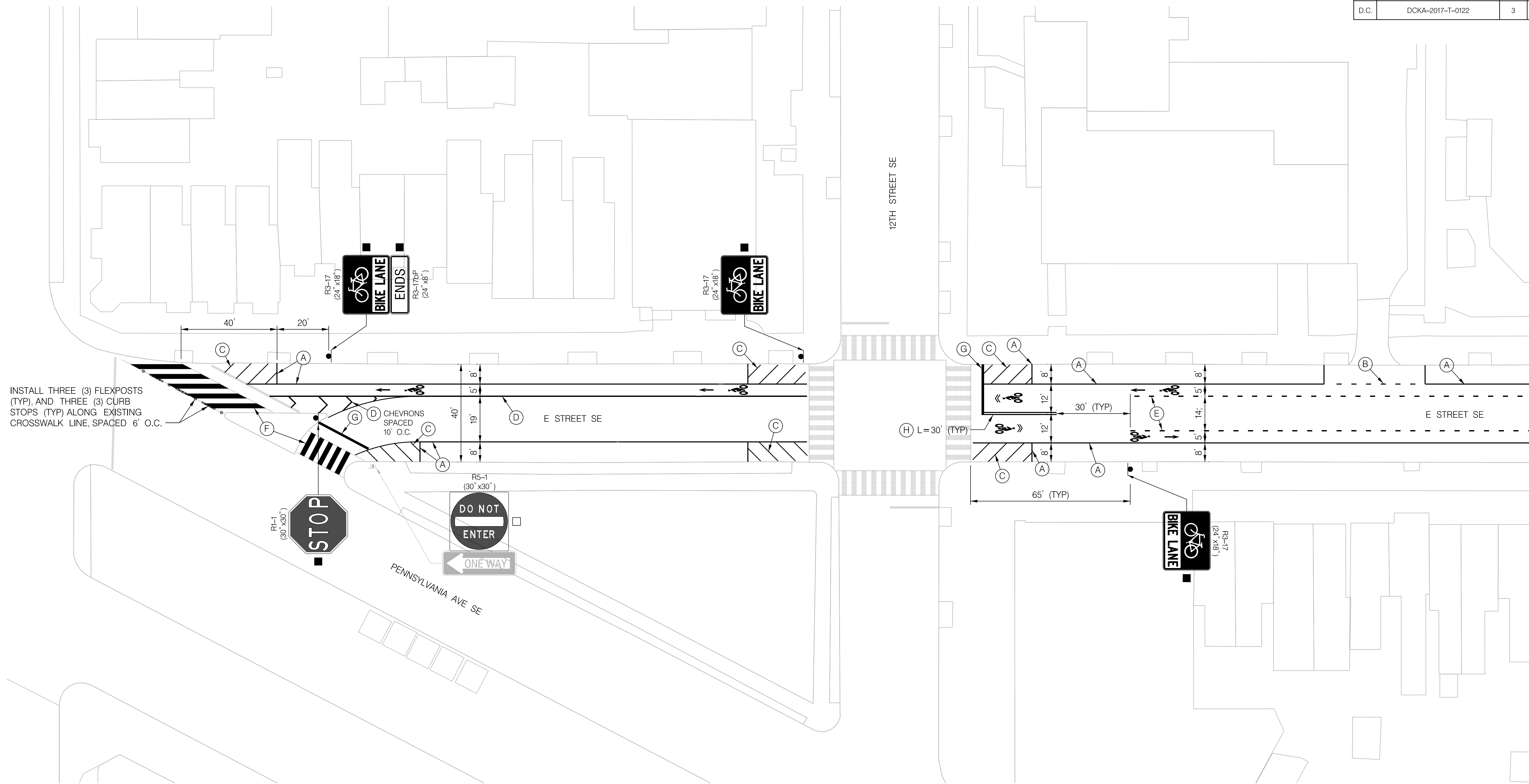
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SHEET 2 OF 8



NO	DESCRIPTION	NAME	DATE

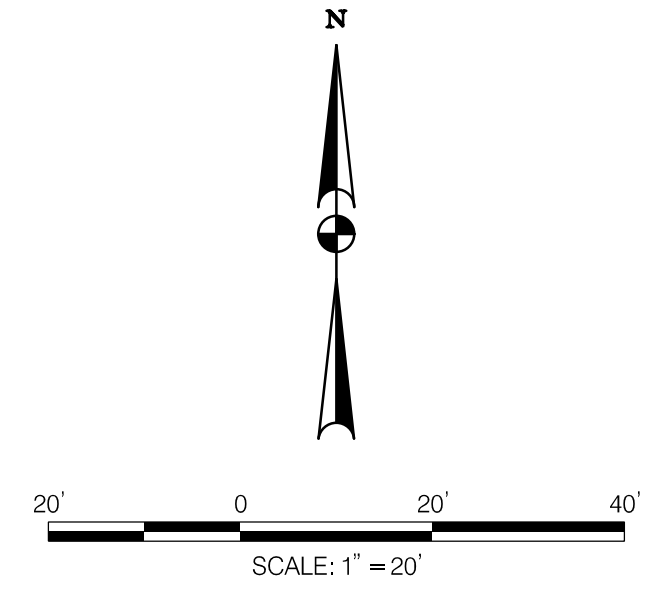
REVISIONS



INSTALL THREE (3) FLEXPOSTS (TYP), AND THREE (3) CURB STOPS (TYP) ALONG EXISTING CROSSWALK LINE, SPACED 6' O.C.

- SIGNING & PAVEMENT MARKINGS LEGEND**
- (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
 - (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
 - (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C.
 - (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
 - (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
 - (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C.
 - (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
 - (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS

- BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- NEW SIGN TO BE INSTALLED ON NEW POST
- NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

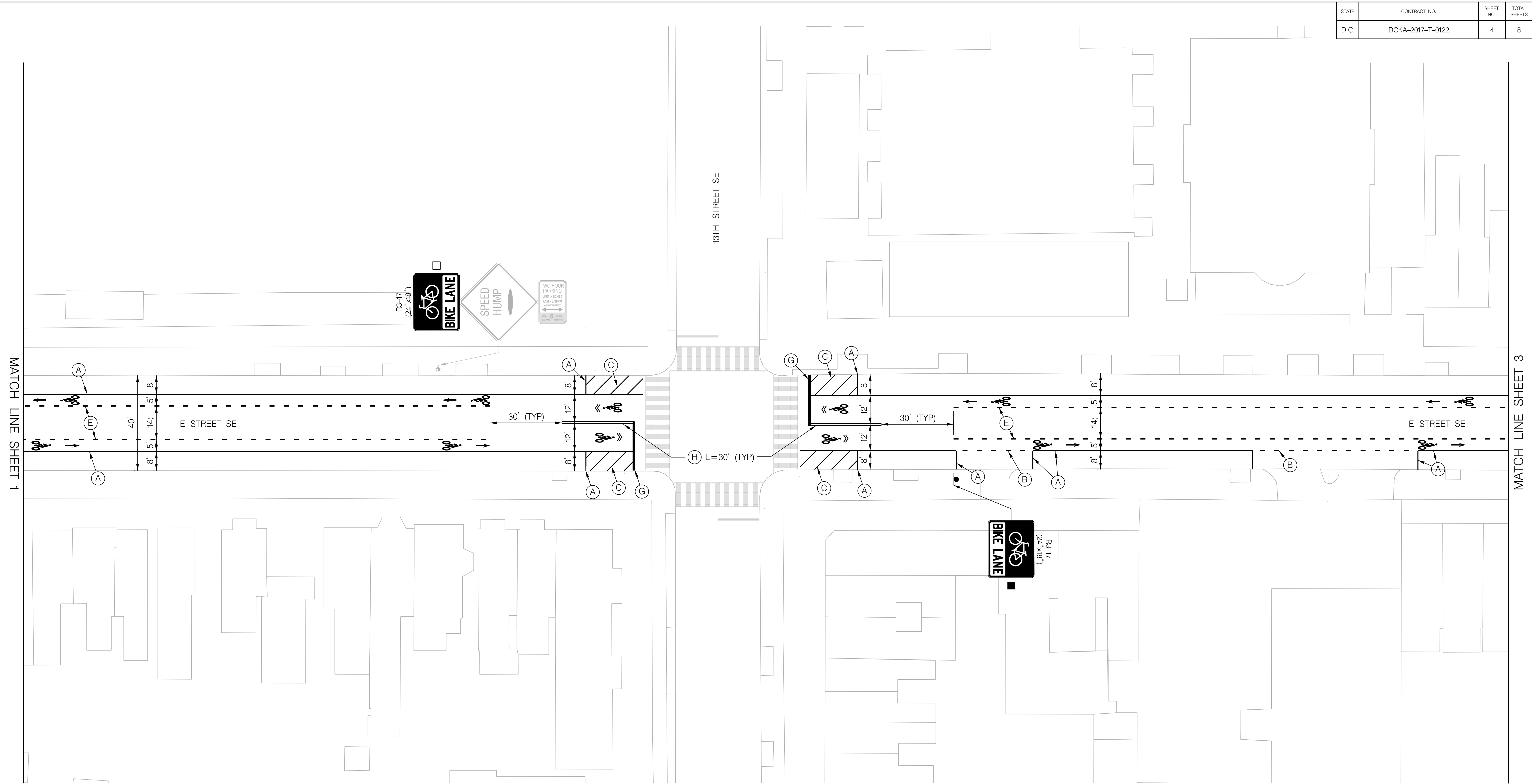
D.C. DEPARTMENT OF TRANSPORTATION
 PLANNING, AND SUSTAINABILITY DIVISION
 ACTIVE TRANSPORTATION PROGRAM

E STREET SE
 (LOCATION: 11TH ST SE TO
 17TH ST SE)

ADVISORY BIKE LANE LAYOUT PLANS
 (SHEET 1 OF 6)

PROJECT ENG. <u> </u> DAG	DIVISION CHIEF
DESIGNED BY <u> </u> DAG	
CHECKED BY <u> </u> DLL	
DRAWN BY <u> </u> DAG	
PROJECT MGR. <u> </u> DLL	
DATE <u> </u> JULY 2020	
FILE <u> </u> btl_e_st_se.dgn	
SHEET <u> </u> 3 OF 8	

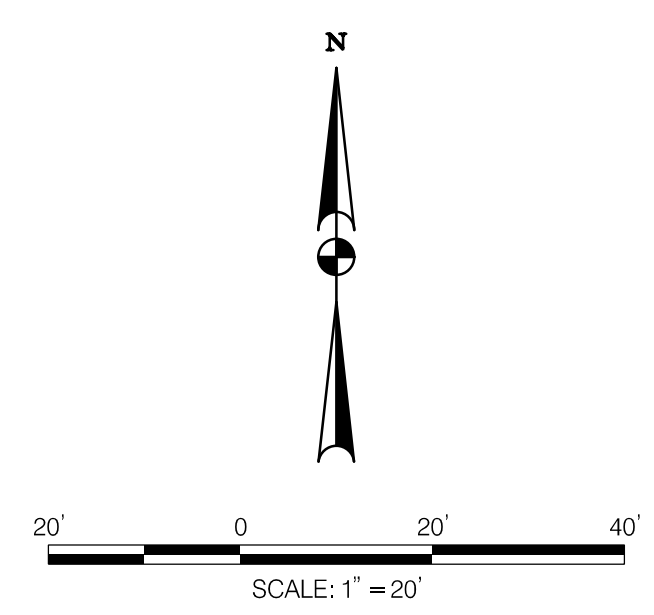
MATCH LINE SHEET 2



SIGNING & PAVEMENT MARKINGS LEGEND

- (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
- (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C.
- (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
- (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C.
- (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS

- ↑ BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- ↔ SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- NEW SIGN TO BE INSTALLED ON NEW POST
- NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE



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

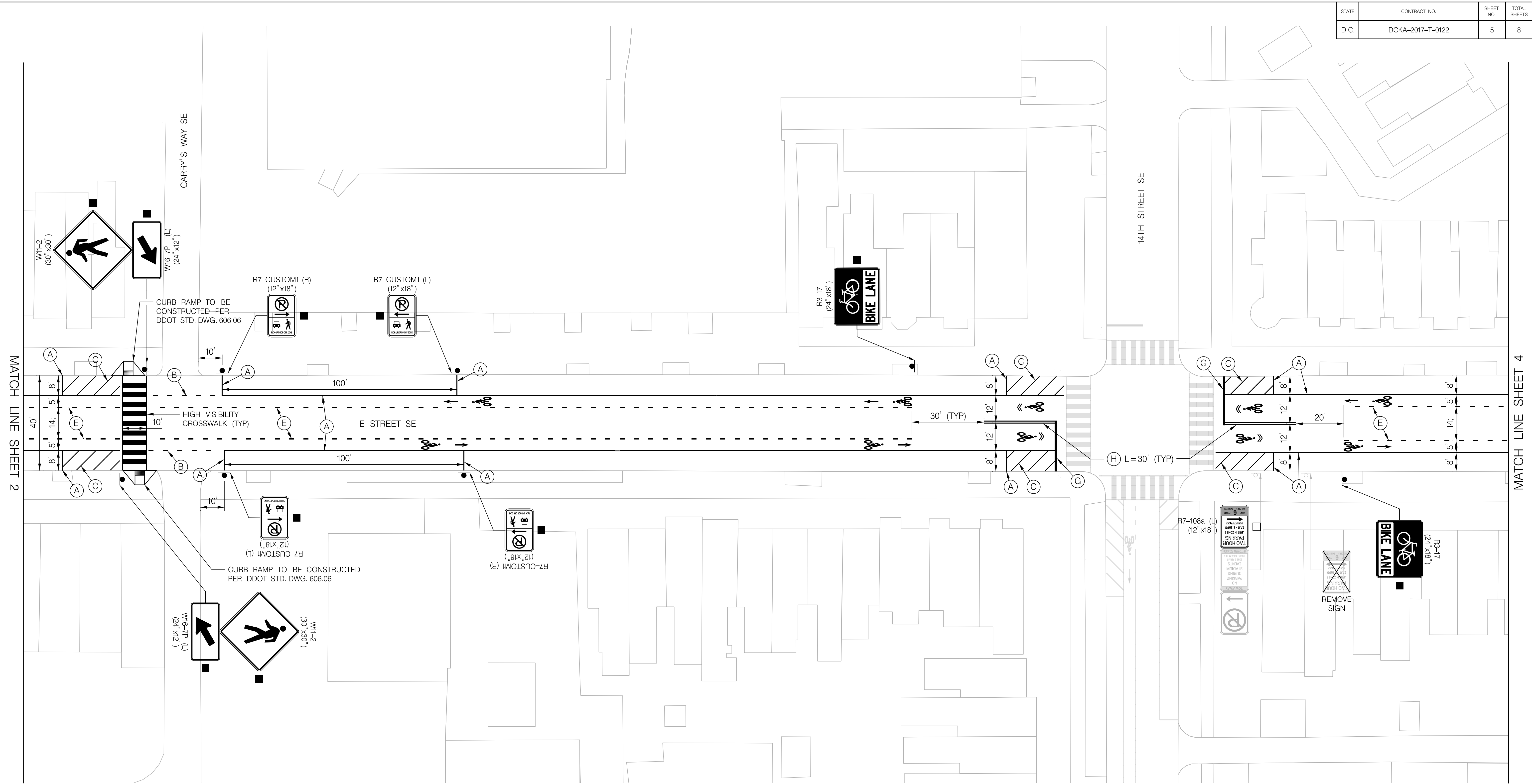
**E STREET SE
(LOCATION: 11TH ST SE TO
17TH ST SE)**

**ADVISORY BIKE LANE LAYOUT PLANS
(SHEET 2 OF 6)**

PROJECT ENG. <u> </u> DAG	DESIGNED BY <u> </u> DAG
CHECKED BY <u> </u> DLL	DRAWN BY <u> </u> DAG
PROJECT MGR. <u> </u> DLL	DIVISION CHIEF
DATE <u> </u> JULY 2020	FILE <u> </u> btl_e_st_se.dgn
SHEET 4 OF 8	

NO.	DESCRIPTION	NAME	DATE
REVISIONS			



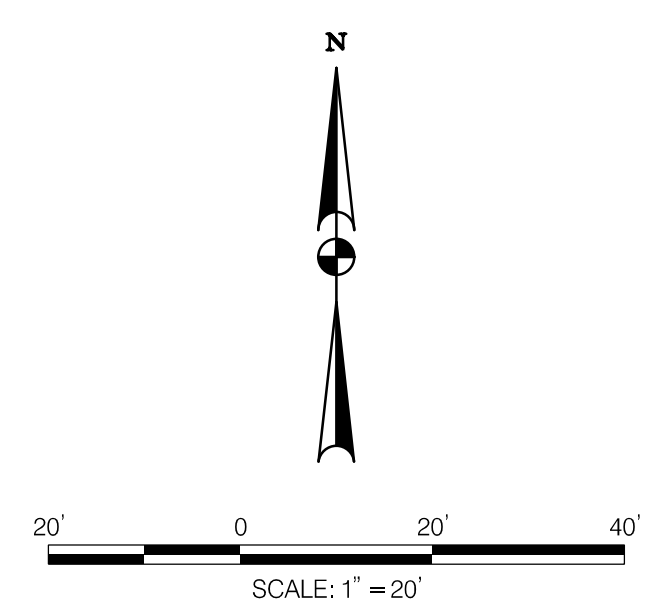


MATCH LINE SHEET 2

MATCH LINE SHEET 4

SIGNING & PAVEMENT MARKINGS LEGEND

- | | |
|---|---|
| (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | ↑ BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | ↔ SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | ■ NEW SIGN TO BE INSTALLED ON NEW POST |
| (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | □ NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE |
| (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | |
| (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C. | |
| (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS | |
| (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS | |



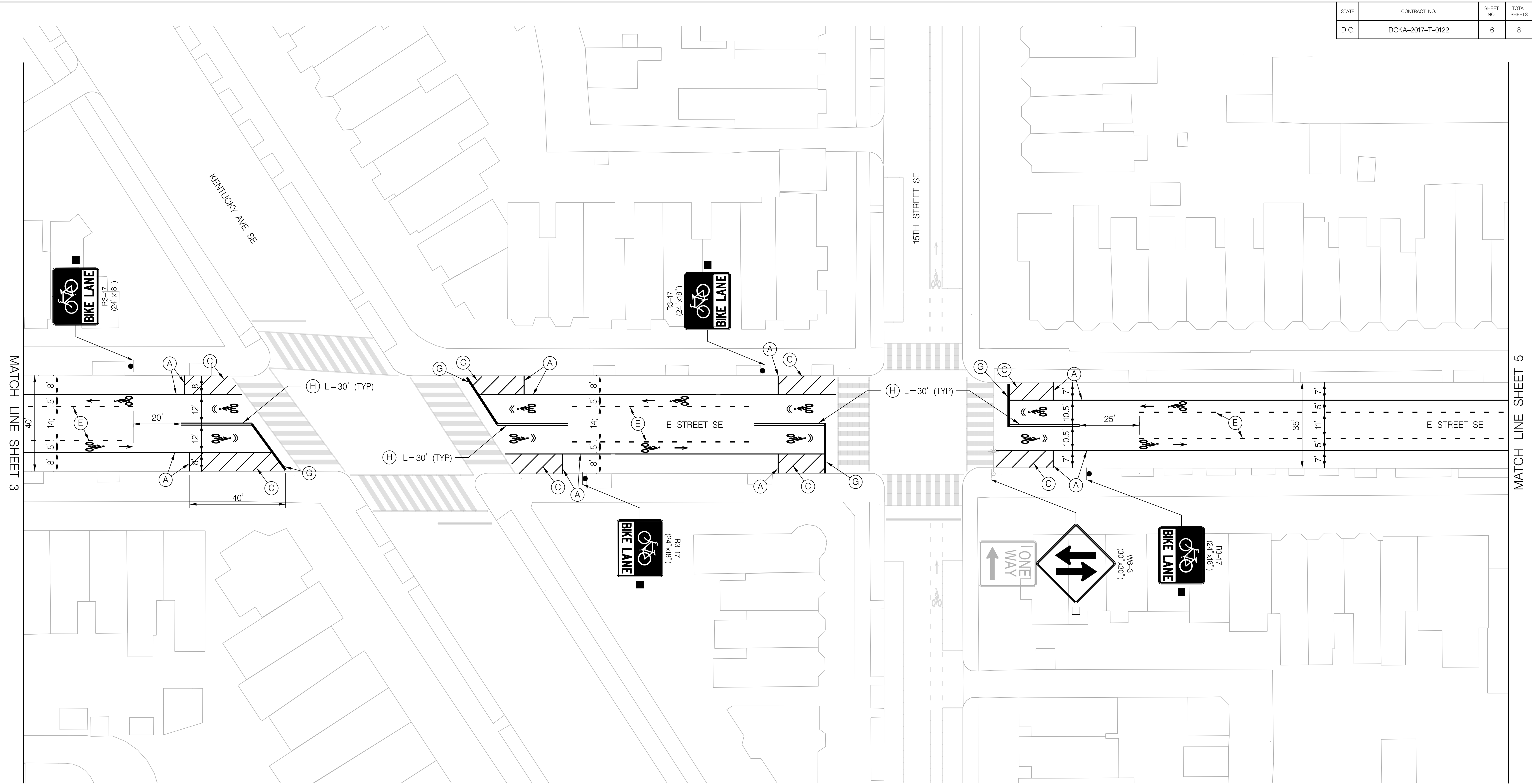
NOTE:

1. FIELD CONDITIONS WILL NEED TO BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE PEDESTRIAN ACCESSIBILITY RAMPS.



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

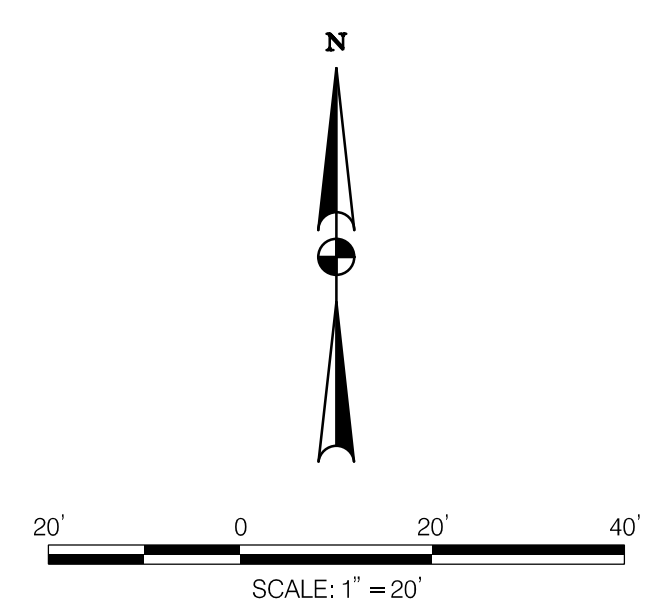
D.C. DEPARTMENT OF TRANSPORTATION PLANNING, AND SUSTAINABILITY DIVISION ACTIVE TRANSPORTATION PROGRAM	
E STREET SE (LOCATION: 11TH ST SE TO 17TH ST SE)	PROJECT ENG. <u> </u> DAG DESIGNED BY <u> </u> DAG CHECKED BY <u> </u> DAG DRAWN BY <u> </u> DAG PROJECT MGR. <u> </u> DLL
ADVISORY BIKE LANE LAYOUT PLANS (SHEET 3 OF 6)	DIVISION CHIEF DATE <u> </u> JULY 2020 FILE <u> </u> btl_e_st_se.dgn SHEET <u> </u> 5 OF <u> </u> 8



SIGNING & PAVEMENT MARKINGS LEGEND

- (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
- (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C.
- (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP)
- (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C.
- (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
- (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS

- BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS
- NEW SIGN TO BE INSTALLED ON NEW POST
- NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE



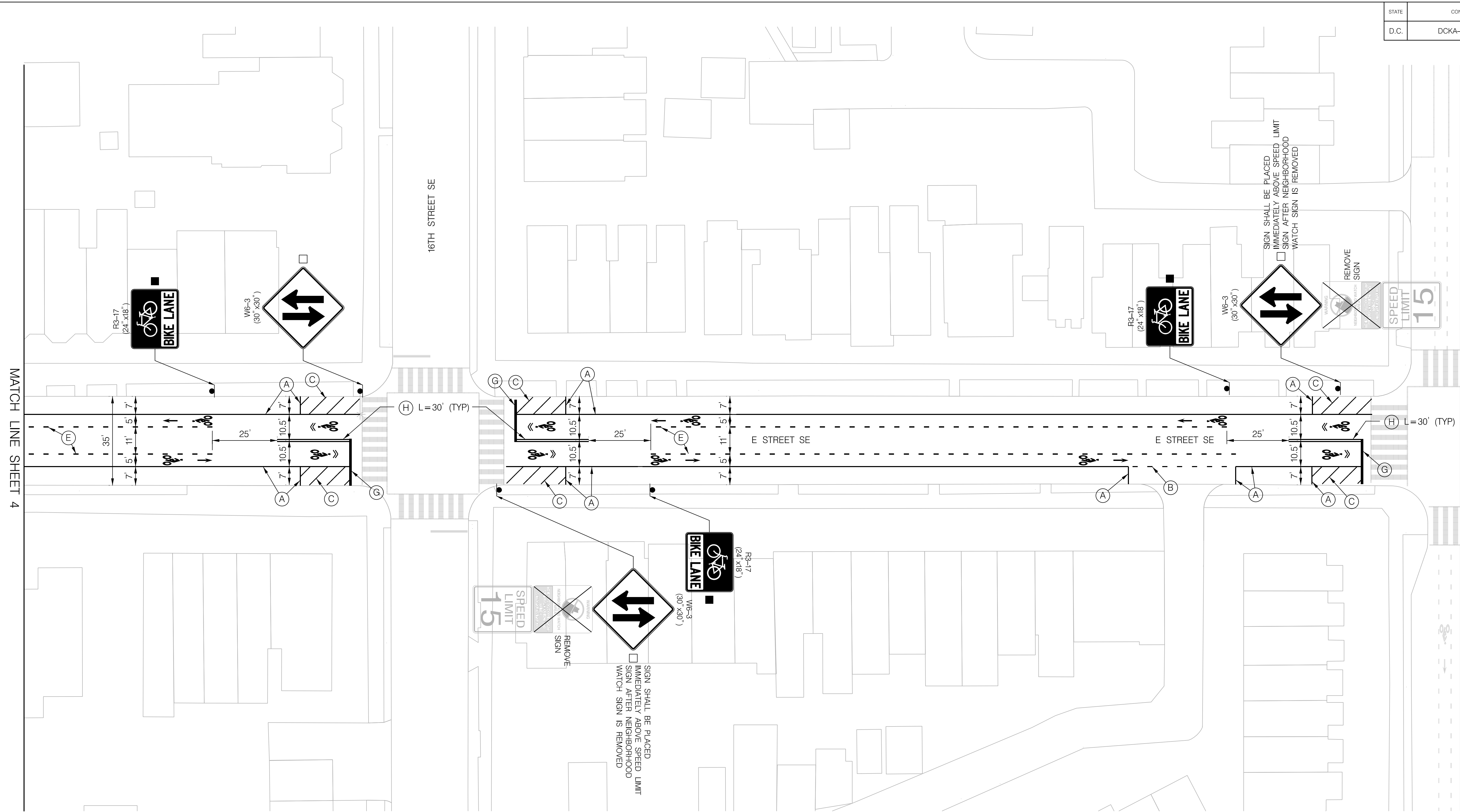
NO.	DESCRIPTION	NAME	DATE
REVISIONS			

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

**E STREET SE
(LOCATION: 11TH ST SE TO
17TH ST SE)**

**ADVISORY BIKE LANE LAYOUT PLANS
(SHEET 4 OF 6)**

PROJECT ENG. <u> </u> DAG	DIVISION CHIEF
DESIGNED BY <u> </u> DAG	DATE <u> </u> JULY 2020
CHECKED BY <u> </u> DLL	FILE <u> </u> btl_e_st_se.dgn
DRAWN BY <u> </u> DAG	SHEET <u> </u> 6 OF 8
PROJECT MGR. <u> </u> DLL	

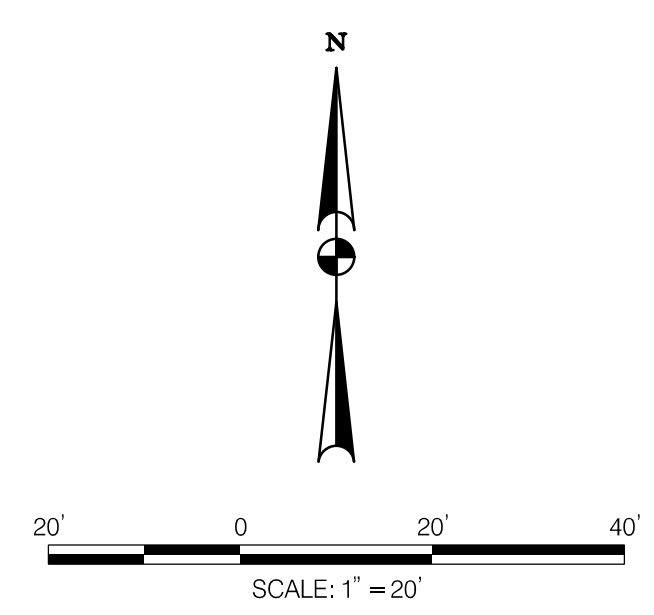


MATCH LINE SHEET 4

MATCH LINE SHEET 6

SIGNING & PAVEMENT MARKINGS LEGEND

- | | |
|---|---|
| (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | NEW SIGN TO BE INSTALLED ON NEW POST |
| (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE |
| (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | |
| (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C. | |
| (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS | |
| (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS | |



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

E STREET SE
(LOCATION: 11TH ST SE TO
17TH ST SE)

ADVISORY BIKE LANE LAYOUT PLANS
(SHEET 5 OF 6)

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

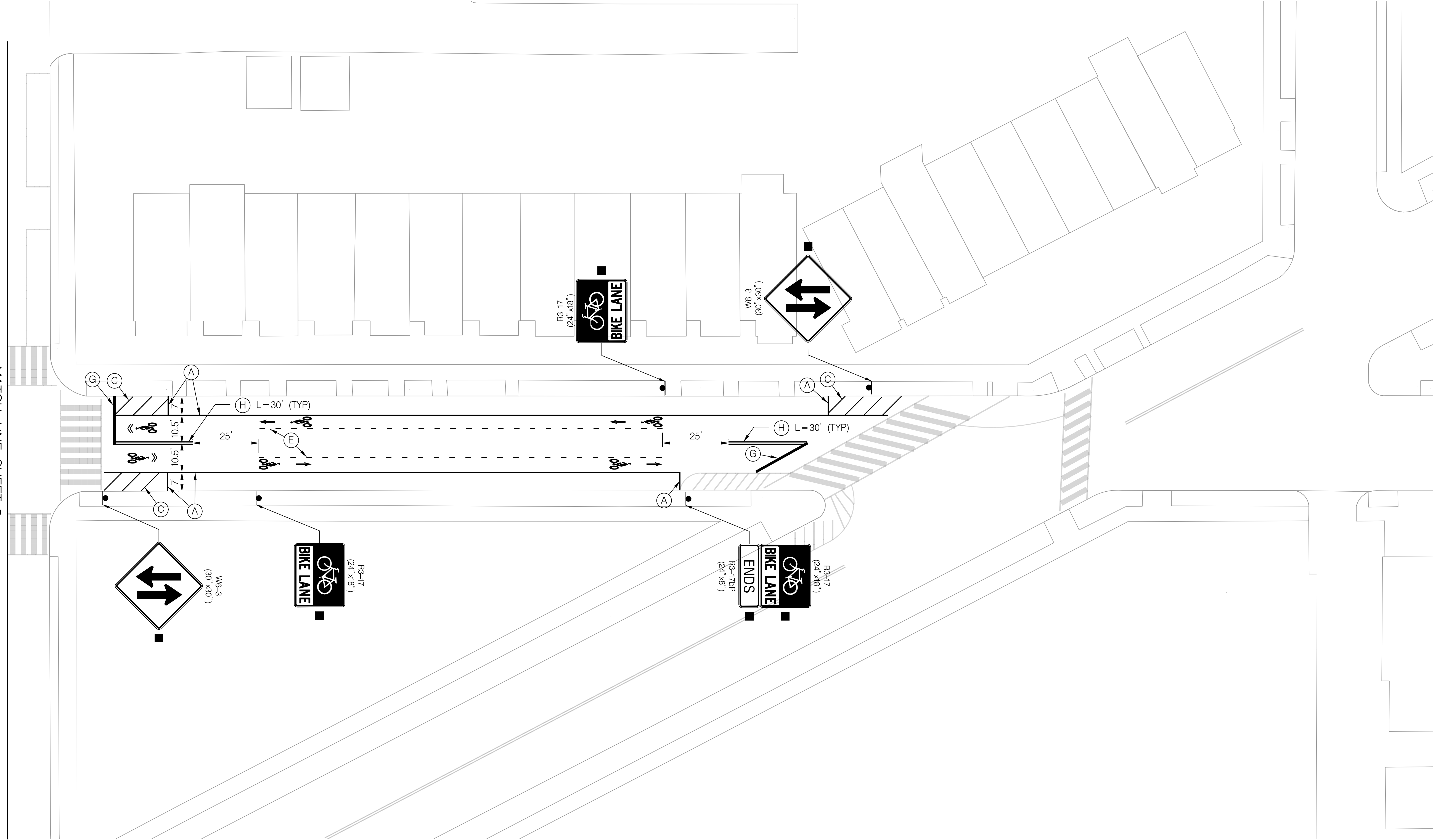
DIVISION CHIEF

DATE JULY 2020
FILE btl_e_st_se.dgn
SHEET 7 OF 8

NO.	DESCRIPTION	NAME	DATE

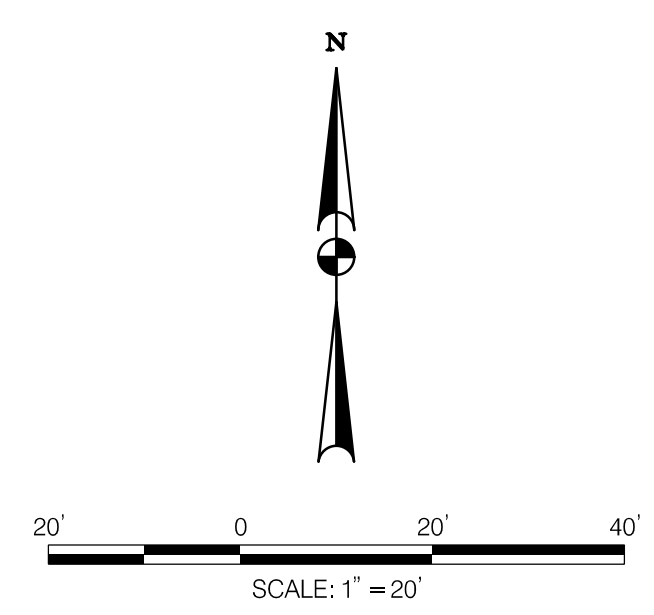
REVISIONS

MATCH LINE SHEET 5



SIGNING & PAVEMENT MARKINGS LEGEND

- | | |
|---|---|
| (A) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | BIKE LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (B) 4 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | SHARED LANE SYMBOL THERMOPLASTIC PAVEMENT MARKINGS |
| (C) 4 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS, ANGLED 45 DEG TO EDGELINE, SPACED 5' O.C. | NEW SIGN TO BE INSTALLED ON NEW POST |
| (D) 6 INCH SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS | NEW SIGN TO BE INSTALLED ON EXISTING POST OR EX. SIGNAL /LIGHT POLE |
| (E) 6 INCH DASHED WHITE THERMOPLASTIC PAVEMENT MARKINGS (2' STRIPE, 4' SKIP) | |
| (F) 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS, SPACED 2' O.C. | |
| (G) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS | |
| (H) 4 INCH DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS | |



D.C. DEPARTMENT OF TRANSPORTATION PLANNING, AND SUSTAINABILITY DIVISION ACTIVE TRANSPORTATION PROGRAM	
E STREET SE (LOCATION: 11TH ST SE TO 17TH 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>
ADVISORY BIKE LANE LAYOUT PLANS (SHEET 6 OF 6)	DIVISION CHIEF DATE <u> JULY 2020 </u> FILE <u> btl_e_st_se.dgn </u> SHEET <u> 8 </u> OF <u> 8 </u>



NO.	DESCRIPTION	NAME	DATE