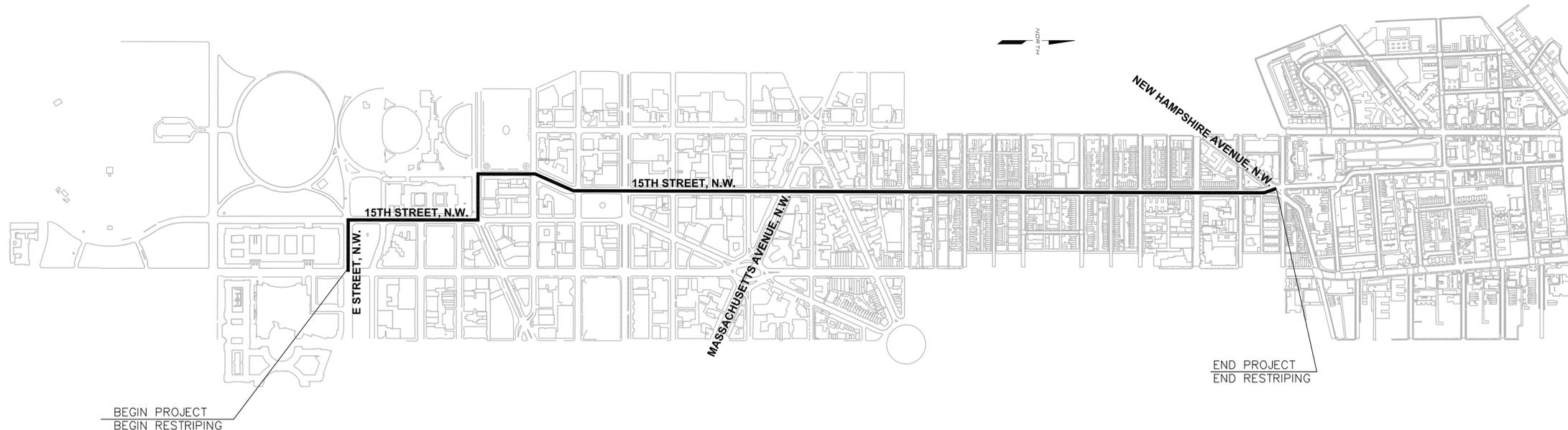
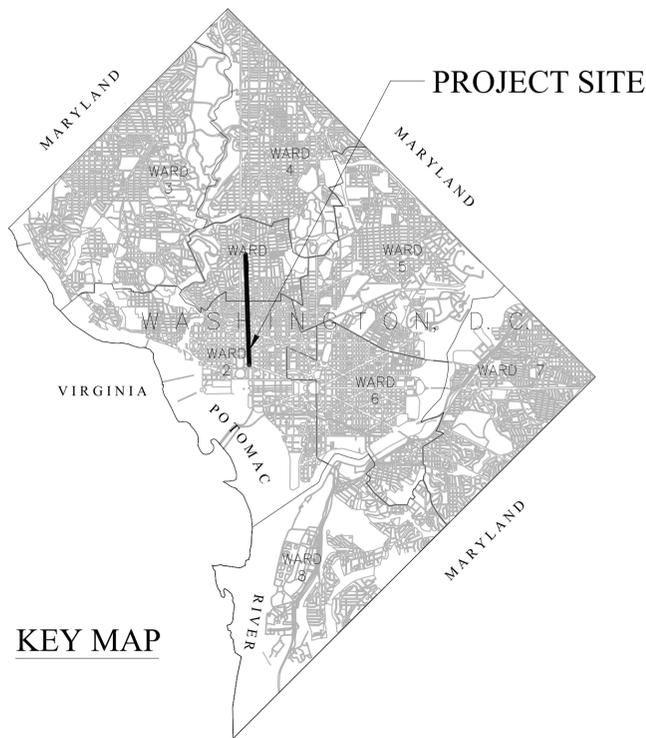


DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

15TH STREET, N.W. FROM E STREET, N.W. TO NEW HAMPSHIRE AVE, N.W.

ERADICATE & REPLACE MARKINGS = 9,546 FT = 1.80 MILES
RESURFACING = 0,000 FT = 0.00 MILES
UPGRADE = 0,000 FT = 0.00 MILES
RECONSTRUCTION = 0,000 FT = 0.00 MILES
LENGTH OF PROJECT = 9,546 FT = 1.80 MILES



LOCATION MAP
NOT TO SCALE

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	001	028

SHEET #	SHEET DESIGNATION	
001	-	COVER SHEET
002-010	D1-D9	DETAILS
011	D10	SIGN AND PAVEMENT MARKINGS QUANTITIES
STRIPING PLAN		
012	ST-1	14TH ST NW & LOWER E STREET, NW
013	ST-2	15TH ST NW, FROM LOWER E STREET, NW TO PENNSYLVANIA AVE, NW
014	ST-3	15TH ST NW, FROM PENNSYLVANIA AVE, NW TO G STREET, NW
015	ST-4	15TH ST NW, FROM G STREET, NW TO PENNSYLVANIA AVE, NW
016	ST-5	15TH ST NW, FROM PENNSYLVANIA AVE, NW TO H STREET, NW (VIA MADISON PLACE)
017	ST-6	VERMONT AVE NW, FROM H STREET, NW TO I STREET, NW (MID BLOCK)
018	ST-7	15TH ST NW, FROM I STREET, NW (MID BLOCK) TO K STREET, NW (MID BLOCK)
019	ST-8	15TH ST NW, FROM K STREET, NW (MID BLOCK) TO L STREET, NW (MID BLOCK)
020	ST-9	15TH ST NW, FROM L STREET, NW (MID BLOCK) TO MASSACHUSETTS AVE, NW
021	ST-10	15TH ST NW, FROM MASSACHUSETTS AVE, NW TO O STREET, NW
022	ST-11	15TH ST NW, FROM O STREET, NW TO CHURCH STREET, NW
023	ST-12	15TH ST NW, FROM CHURCH STREET, NW TO CORCORAN STREET, NW
024	ST-13	15TH ST NW, FROM CORCORAN STREET, NW TO R STREET, NW (MID BLOCK)
025	ST-14	15TH ST NW, FROM R STREET, NW (MID BLOCK) TO SWANN STREET, NW
026	ST-15	15TH ST NW, FROM SWANN STREET, NW TO U STREET, NW
027	ST-16	15TH ST NW, FROM U STREET, NW TO V STREET, NW (MID BLOCK)
028	ST-17	15TH ST NW, FROM V STREET, NW (MID BLOCK) TO NEW HAMPSHIRE AVE, NW (MID BLOCK)
SIGNING PLAN		
029	SI-1	14TH ST NW & LOWER E STREET, NW
030	SI-2	15TH ST NW, FROM LOWER E STREET, NW TO PENNSYLVANIA AVE, NW
031	SI-3	15TH ST NW, FROM PENNSYLVANIA AVE, NW TO G STREET, NW
032	SI-4	15TH ST NW, FROM G STREET, NW TO PENNSYLVANIA AVE, NW
033	SI-5	15TH ST NW, FROM PENNSYLVANIA AVE, NW TO H STREET, NW (VIA MADISON PLACE)
034	SI-6	VERMONT AVE NW, FROM H STREET, NW TO I STREET, NW (MID BLOCK)
035	SI-7	15TH ST NW, FROM I STREET, NW (MID BLOCK) TO K STREET, NW (MID BLOCK)
036	SI-8	15TH ST NW, FROM K STREET, NW (MID BLOCK) TO L STREET, NW (MID BLOCK)
037	SI-9	15TH ST NW, FROM L STREET, NW (MID BLOCK) TO MASSACHUSETTS AVE, NW
038	SI-10	15TH ST NW, FROM MASSACHUSETTS AVE, NW TO O STREET, NW
039	SI-11	15TH ST NW, FROM O STREET, NW TO CHURCH STREET, NW
040	SI-12	15TH ST NW, FROM CHURCH STREET, NW TO CORCORAN STREET, NW
041	SI-13	15TH ST NW, FROM CORCORAN STREET, NW TO R STREET, NW (MID BLOCK)
042	SI-14	15TH ST NW, FROM R STREET, NW (MID BLOCK) TO SWANN STREET, NW
043	SI-15	15TH ST NW, FROM SWANN STREET, NW TO U STREET, NW
044	SI-16	15TH ST NW, FROM U STREET, NW TO V STREET, NW (MID BLOCK)
045	SI-17	15TH ST NW, FROM V STREET, NW (MID BLOCK) TO NEW HAMPSHIRE AVE, NW (MID BLOCK)

100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION
TRANSPORTATION POLICY AND PLANNING ADMINISTRATION
PROJECT MANAGEMENT DIVISION

**REHABILITATION OF 15TH ST, N.W.
FROM E STREET, N.W.
TO EUCLID STREET, N.W.
WARD 3- WASHINGTON, D.C.**

	PROJECT ENG. W.S.
	DESIGNED BY M.C.
	CHECKED BY E.M.
	DRAWN BY M.C.
	PROJECT MGR. W.S.
DIVISION CHIEF	
DATE 07 JULY 2010	
FILE 15th_Street_Working.DWG	
DWG. OF 023	

TooleDesignGroup
6525 BELCREST ROAD, SUITE 400
HYATTSVILLE, MARYLAND 20782
PLANNING | ENGINEERING
301.927.1900

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

COVER SHEET

GENERAL NOTES

1. PARKING ZONE STRIPING - IF PARKING SIGNS ARE NOT PRESENT PLACE PARKING BEGIN AND END LINES AS FOLLOWS, UNLESS OTHERWISE SHOWN ON PLANS:
5' MIN. FROM DRIVEWAY/ALLEY EDGES.
25' MIN. FROM THE CURB LINE OF THE INTERSECTING ROADWAY FOR FAR SIDE OF INTERSECTIONS.
40' MIN. FROM THE CURB LINE OF THE INTERSECTING ROADWAY FOR NEAR SIDE OF INTERSECTIONS.
2. DRIVEWAYS - NOT ALL DRIVEWAYS HAVE BEEN LOCATED FOR THIS STRIPING PLAN. FIELD VERIFY DRIVEWAY LOCATIONS BEFORE APPLYING STRIPING.
BASE MAPPING WAS PREPARED FROM GIS DATA PROVIDED BY DDOT. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO PLACING STRIPING SYMBOLS OR SIGNS. WHEN THESE PLANS ARE IN CONFLICT WITH ACTUAL SITE CONDITIONS, PROPOSED STRIPING AND SIGNS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
3. ALL STRIPING WORK AND SIGNS SHALL MEET ALL APPLICABLE MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD) AND DDOT STANDARDS AND SPECIFICATIONS. SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH DDOT STANDARDS AND SPECIFICATIONS.
4. 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.

MARKING LEGEND

- ① EXISTING PAVEMENT MARKINGS (TYP.)
- ② 4" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (EDGE LINE)
- ③ 4" WHITE THERMOPLASTIC PAVEMENT MARKING - 10' STRIPE, 30' SKIP (SKIP LINE)
- ④ 4" WHITE THERMOPLASTIC PAVEMENT MARKING - 2' STRIPE, 4' SKIP (MINI-SKIP LINE)
- ⑤ 6" WHITE THERMOPLASTIC PAVEMENT MARKING - 2' STRIPE, 4' SKIP (MINI-SKIP LINE) (CYCLE TRACK CROSSWALK)
- ⑥ 6" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (CROSSWALK LINE)
- ⑦ 8" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (LANE LINE OR DIAGONAL)
- ⑧ 12" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (STOP LINE)
- ⑨ 24" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (STOP LINE)
- ⑩ WHITE THERMOPLASTIC PAVEMENT MARKING ARROW SYMBOL OR TEXT (TYP.)
- ⑪ WHITE THERMOPLASTIC PAVEMENT MARKING BIKE LANE SYMBOL (TYP.) (CYCLE TRACK)
- ⑫ WHITE THERMOPLASTIC PAVEMENT MARKING SHARED LANE SYMBOL (TYP.)
- ⑬ WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON SYMBOL (TYP.)
- ⑭ 4" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID DOUBLE STRIPE
- ⑮ 24" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (CROSSWALK)(TYP.)
- ⑯ 4" YELLOW THERMOPLASTIC PAVEMENT MARKING- SOLID DOUBLE STRIPE
- ⑰ 4" YELLOW THERMOPLASTIC PAVEMENT MARKING- 3' STRIPE, 9' SKIP (CYCLE TRACK CENTERLINE)
- ⑱ 4" YELLOW THERMOPLASTIC PAVEMENT MARKING-SOLID (CYCLE TRACK CENTERLINE, OR DIAGONAL)
- ⑲ 4" YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID WITH SKIP LINE (10' STRIPE, 30' SKIP)
- ⑳ GREEN SURFACE TREATMENT - SUGGESTED MANUFACTURER: PRISMO TYREGRIP OR APPROVED EQUAL

BE BEGIN ERADICATION
EE END ERADICATION
ES ERADICATE SYMBOL



DETAILS OF PAVEMENT MARKINGS (IF SHOWN)

ROADWAY

1. APPROACH LANE LINES TO A SIGNALIZED INTERSECTION - FOUR INCH WIDE, SOLID WHITE LINES. BEGIN AT STOP LINE AND CONTINUE FOR NINETY FEET.
2. DASH LINES
 - a) FOUR INCHES WIDE, TEN FEET LONG; SKIP SPACES THIRTY FEET LONG. THE LAST DASH LINE OF EACH BLOCK WILL VARY IN LENGTH. IF IT IS SHORTER THAN TEN FEET, CONNECT TO NEXT TO LAST DASH LINE.
 - b) DASH LINES STOP ONE FOOT BEFORE CROSSWALK BACK EDGE LINE.
3. TRAFFIC GUIDE LINES - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE, TWO FEET LONG; SKIP SPACES FOUR FEET LONG. DOUBLE YELLOW LINE, FOUR INCHES WIDE, LOCATED FOUR INCHES APART; SKIP SPACES, FOUR FEET LONG.
4. ARROW OR WORD MARKINGS - SPACED THIRTY-TWO FEET APART, UNLESS OTHERWISE NOTED. SPACED FIFTEEN FEET FROM CROSSWALK.

CYCLE TRACKS

1. CENTERLINE - SINGLE YELLOW LINE, FOUR INCHES WIDE, THREE FEET LONG; SKIP SPACES NINE FEET LONG.
2. CENTERLINE (APPROACHING INTERSECTIONS AND CHICANES) - SINGLE SOLID YELLOW LINE, FOUR INCHES WIDE, TWENTY FIVE FEET LONG.

STOP LINES

1. TWO FOOT WIDE (UNLESS OTHERWISE NOTED), LOCATED FIVE FEET BEFORE CROSSWALK.

CROSSWALKS

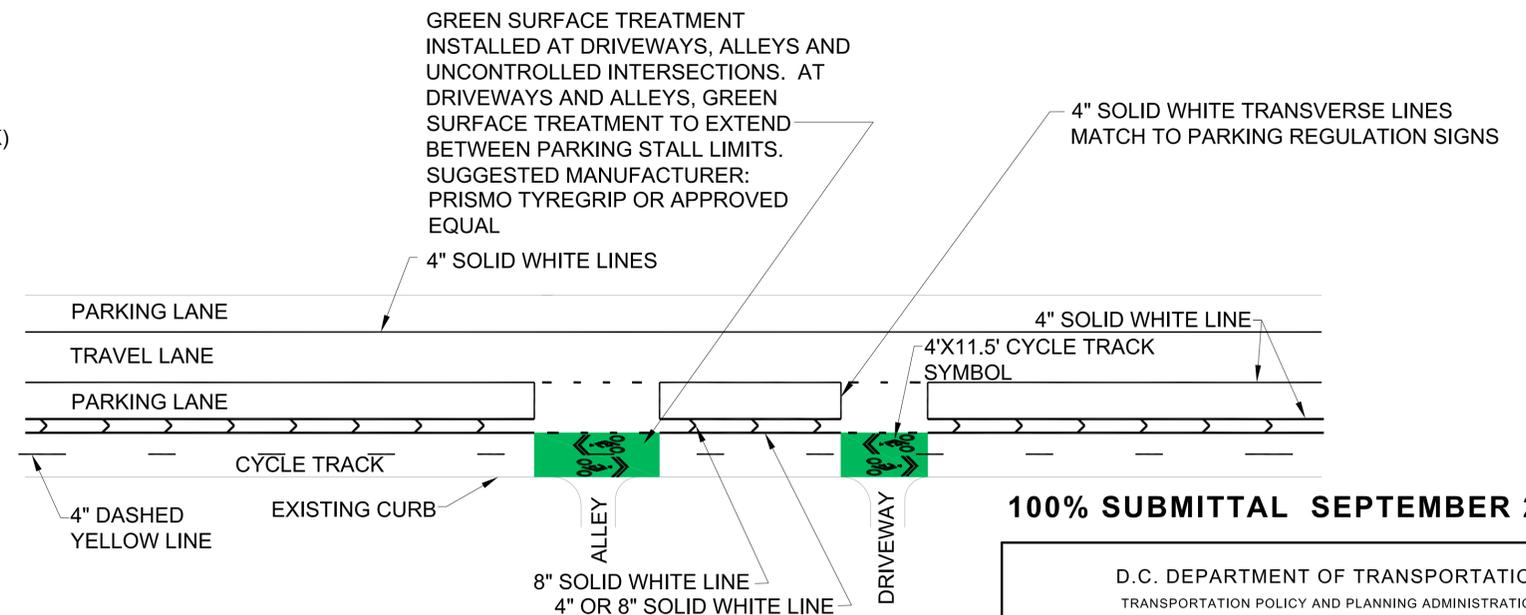
1. PEDESTRIAN CROSSWALK - TEN FEET WIDE, UNLESS OTHERWISE NOTED.
 - a) EDGE LINES - SOLID WHITE LINES, SIX INCHES WIDE.
 - b) STRIPED CROSSWALKS - TWO FOOT WIDE WHITE STRIPES WITH TWO FOOT WIDE SPACING. MAKE STRIPES PARALLEL TO CURB LINE OF STREET.
 - c) ALL HANDICAP RAMP MUST BE LOCATED WITHIN A CROSSWALK, INCLUDING SIDE FLARES OF RAMP. ONE SIDE FLARE MUST ALIGN WITH BACK EDGE OF CROSSWALK IF CROSSWALK WIDTH IS GREATER THAN FIFTEEN FEET. MAXIMUM WIDTH OF CROSSWALK IS TWENTY FEET.
2. BICYCLE CROSSWALK - TEN FEET TO FOURTEEN FEET WIDE, UNLESS OTHERWISE NOTED.
 - a) EDGE LINES - SINGLE WHITE LINES, FOUR INCHES WIDE, TWO FEET LONG; SKIP SPACES FOUR FEET LONG.

PARKING STALLS

1. SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.

NO PARKING ZONES/BUFFER

1. OUTER BUFFER/PARKING AISLE EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE (NORTH OF MASSACHUSETTS AVE.) AND EIGHT INCHES WIDE (SOUTH OF MASSACHUSETTS AVE.), UNLESS OTHERWISE NOTED.
2. INNER BUFFER EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.
3. DIAGONAL OR CHEVRON BUFFER - SINGLE SOLID WHITE LINE, EIGHT INCHES WIDE, FORTY-FIVE DEGREE ANGLE, TEN FOOT ON CENTER SPACING, UNLESS OTHERWISE NOTED.



TYPICAL LANE STRIPING

N.T.S.

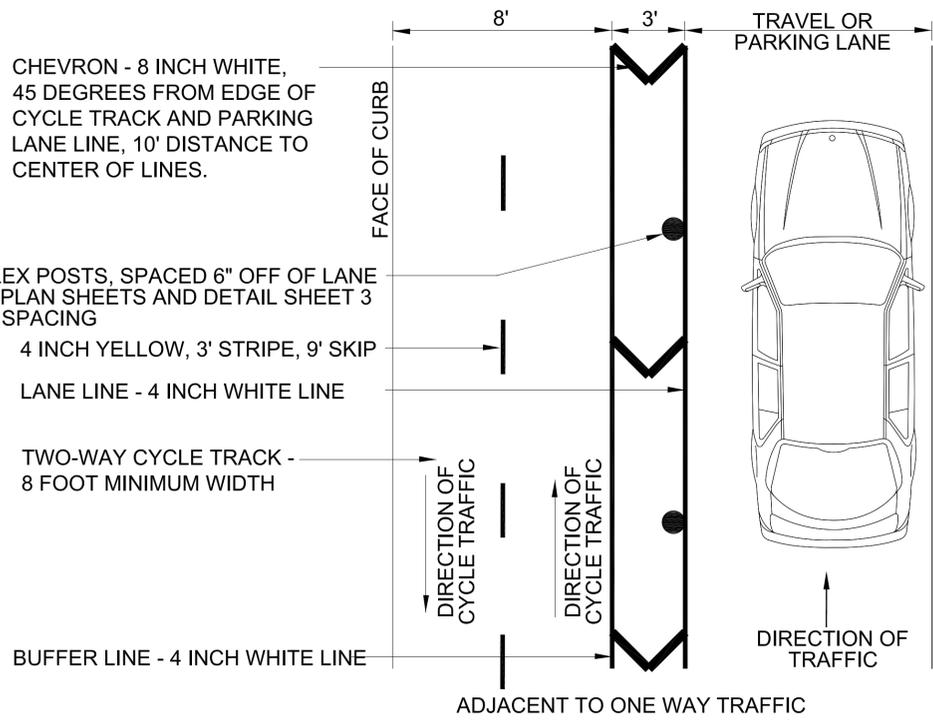
NO.	DESCRIPTION	NAME	DATE

REVISIONS

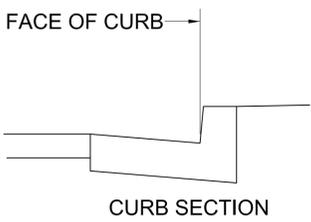
100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION TRANSPORTATION POLICY AND PLANNING ADMINISTRATION PROJECT MANAGEMENT DIVISION		PROJECT ENGR. W.S. DESIGNED BY C.R. CHECKED BY E.M. DRAWN BY C.R. PROJECT MGR. W.S.
REHABILITATION OF 15TH ST, N.W. FROM E STREET, N.W. TO EUCLID STREET, N.W. WARD 3- WASHINGTON, D.C.		DIVISION CHIEF
DETAIL SHEET- 1		DATE 19 AUGUST 2010 FILE 15th_Street_Working.DWG DWG. 002 OF 030

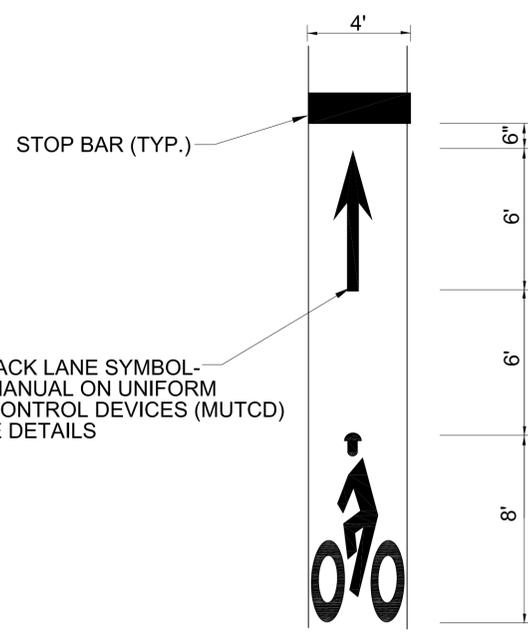
F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	003	046



NOTE:
1. LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT FACE OF CURB OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE DRAWINGS.



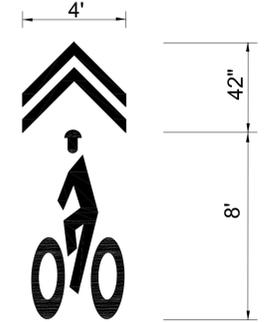
TYPICAL LATERAL STRIPING DIMENSIONS
N.T.S.



CYCLE TRACK LANE SYMBOL - SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS

CYCLE TRACK LANE SYMBOL (BIKE LANE) APPROACHING INTERSECTIONS (TYP.)
N.T.S.

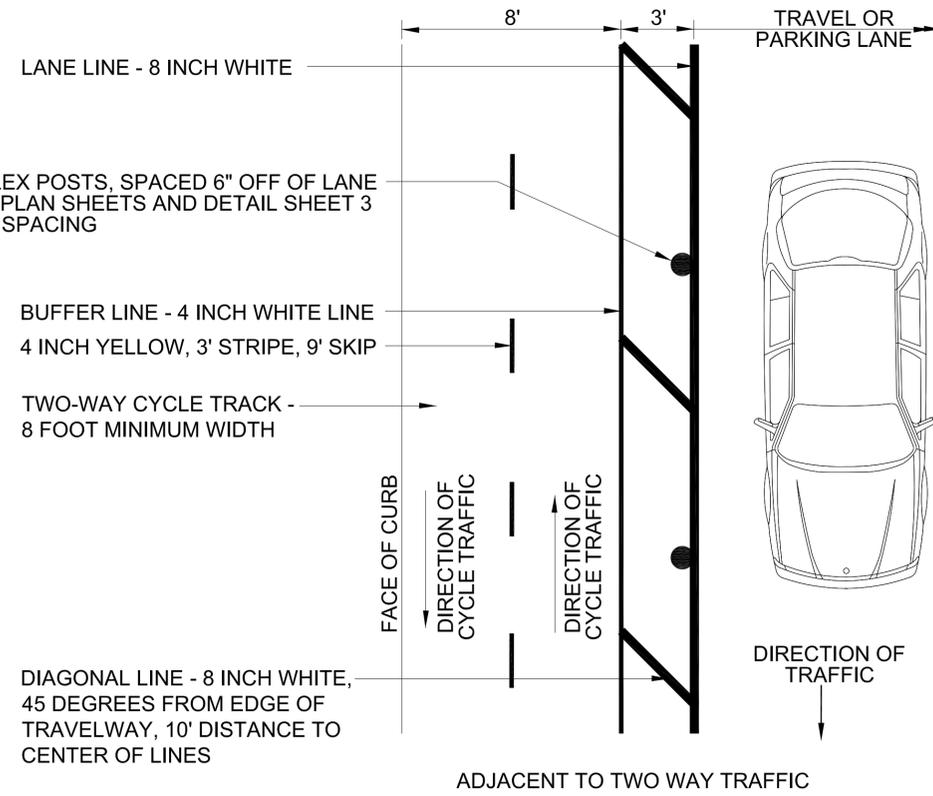
NOTE:
SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS



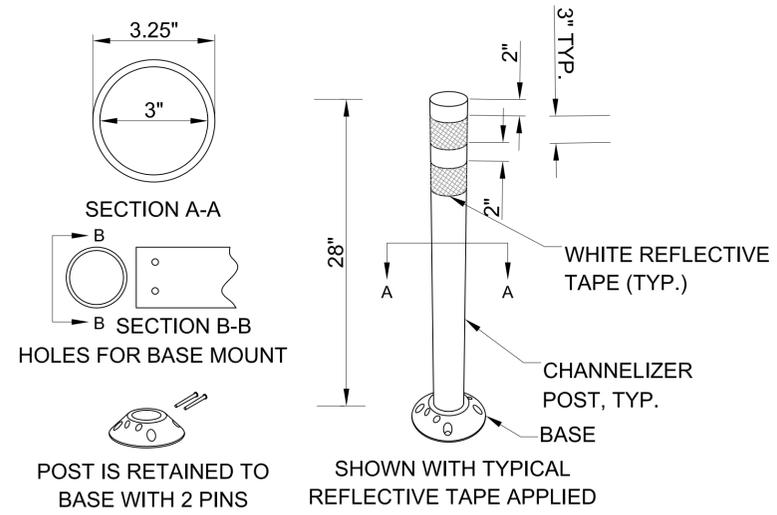
SHARED LANE SYMBOL WITHIN INTERSECTIONS (TYP.)
N.T.S.

CYCLE TRACK SYMBOL PLACEMENT NOTES:

- DO NOT PLACE SYMBOLS ON LANE LINES.
- PLACE LANE SYMBOLS WITHIN CENTER OF EACH CYCLE TRACK LANE.
- SEE PLAN SHEETS FOR SYMBOL LOCATIONS.

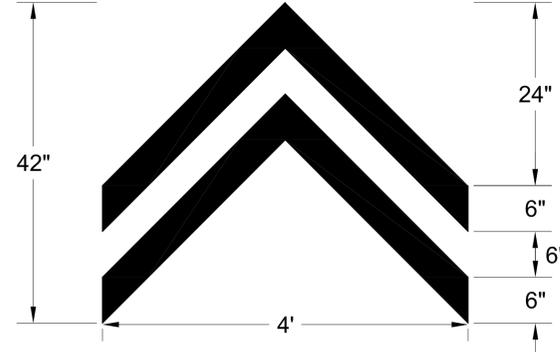


CYCLE TRACK STRIPING
N.T.S.



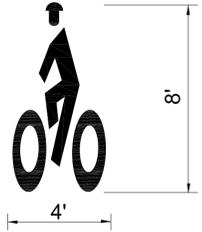
28" WHITE FLEXIBLE CHANNELIZER POST DETAIL
N.T.S.

- 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.
 - SUGGESTED MANUFACTURERS INCLUDE: FILTRONA EXTRUSIONS, SAFE-HIT, CARSONITE COMPOSITES, QWICK KURB, BENT MANUFACTURING, & IMPACT RECOVERY SYSTEMS.



CHEVRONS (REFER TO SHARED LANE SYMBOL)
N.T.S.

NOTE:
SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS. DRIVEWAYS AND ALLEYS TO HAVE SYMBOLS WITHOUT CHEVRONS



BIKE LANE SYMBOL WITHIN DRIVEWAYS AND ALLEYS
N.T.S.

100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION
TRANSPORTATION POLICY AND PLANNING ADMINISTRATION
PROJECT MANAGEMENT DIVISION

REHABILITATION OF 15TH ST, N.W.
FROM E STREET, N.W.
TO EUCLID STREET, N.W.
WARD 3- WASHINGTON, D.C.

PROJECT ENGR.	W.S.
DESIGNED BY	C.R.
CHECKED BY	E.M.
DRAWN BY	C.R.
PROJECT MGR.	W.S.

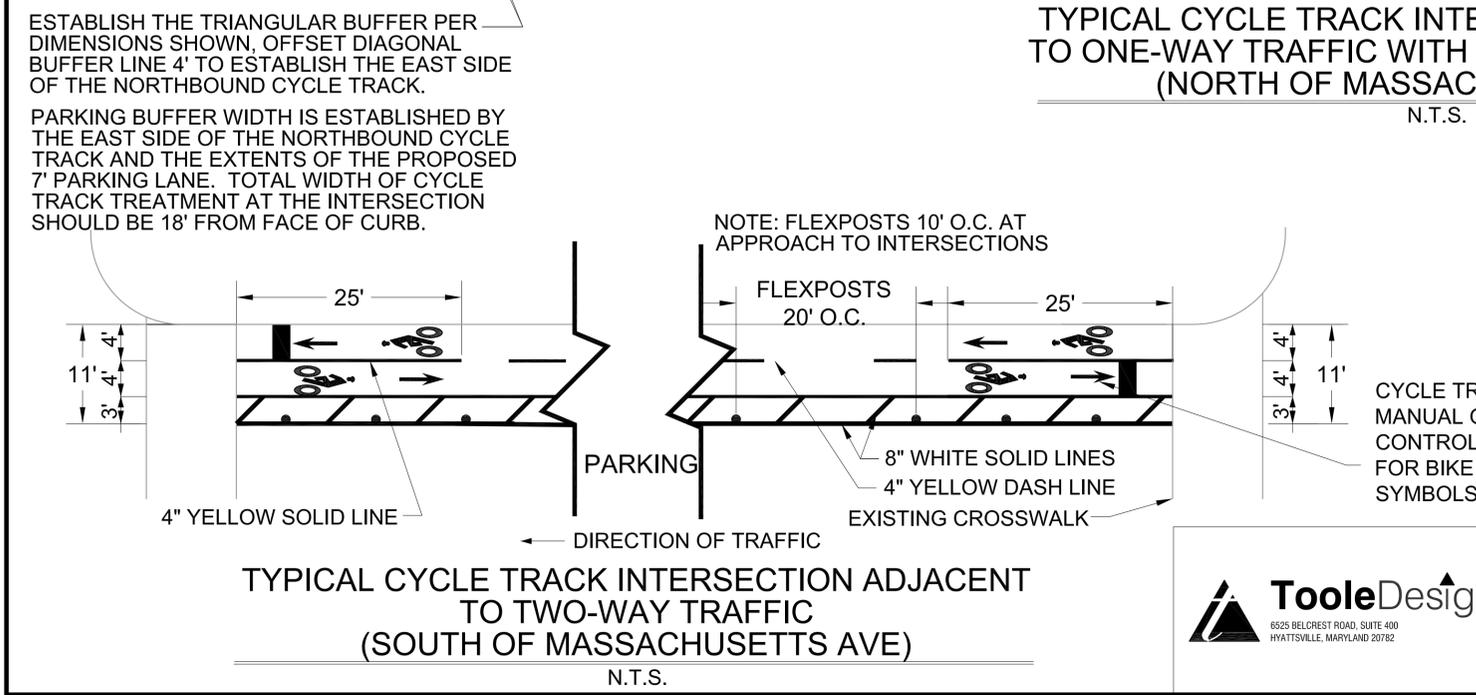
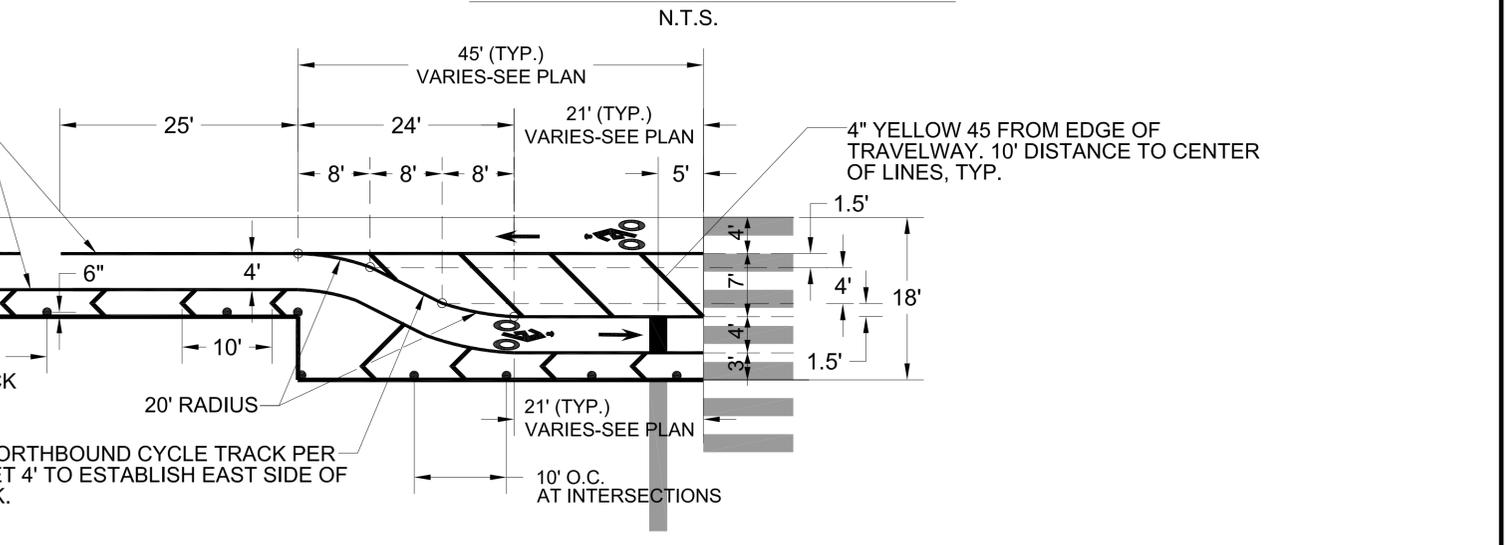
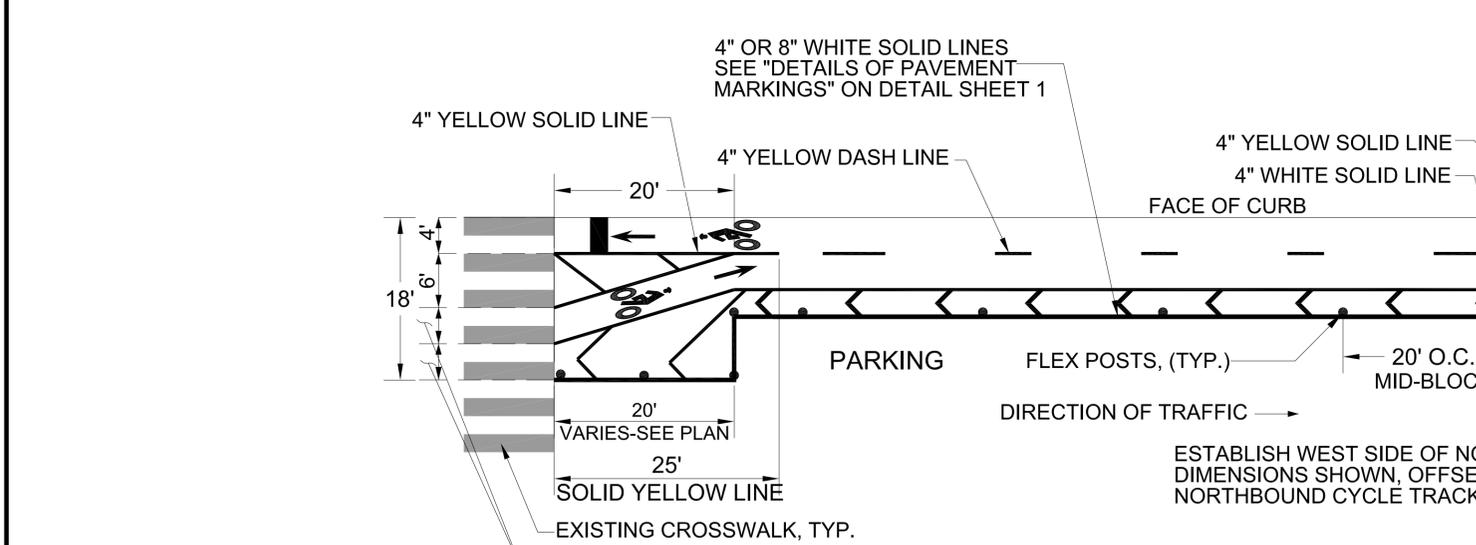
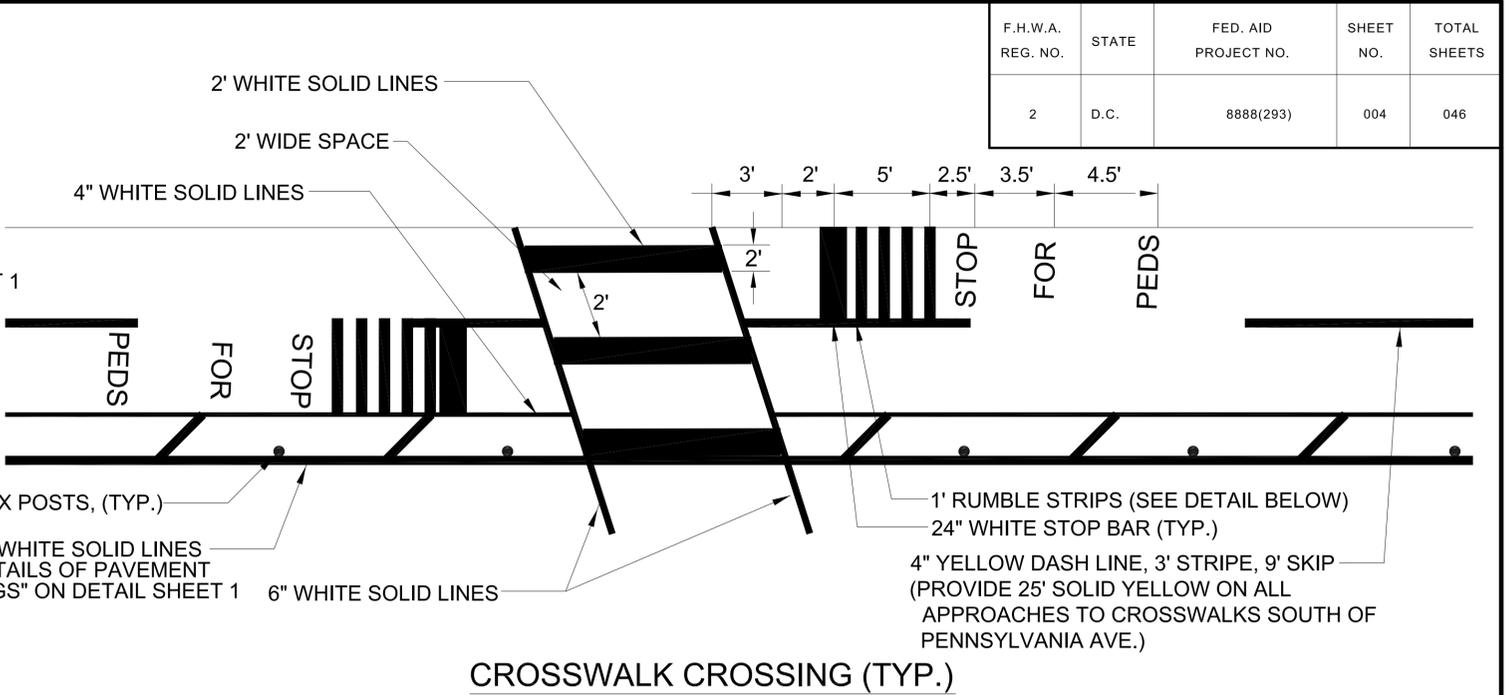
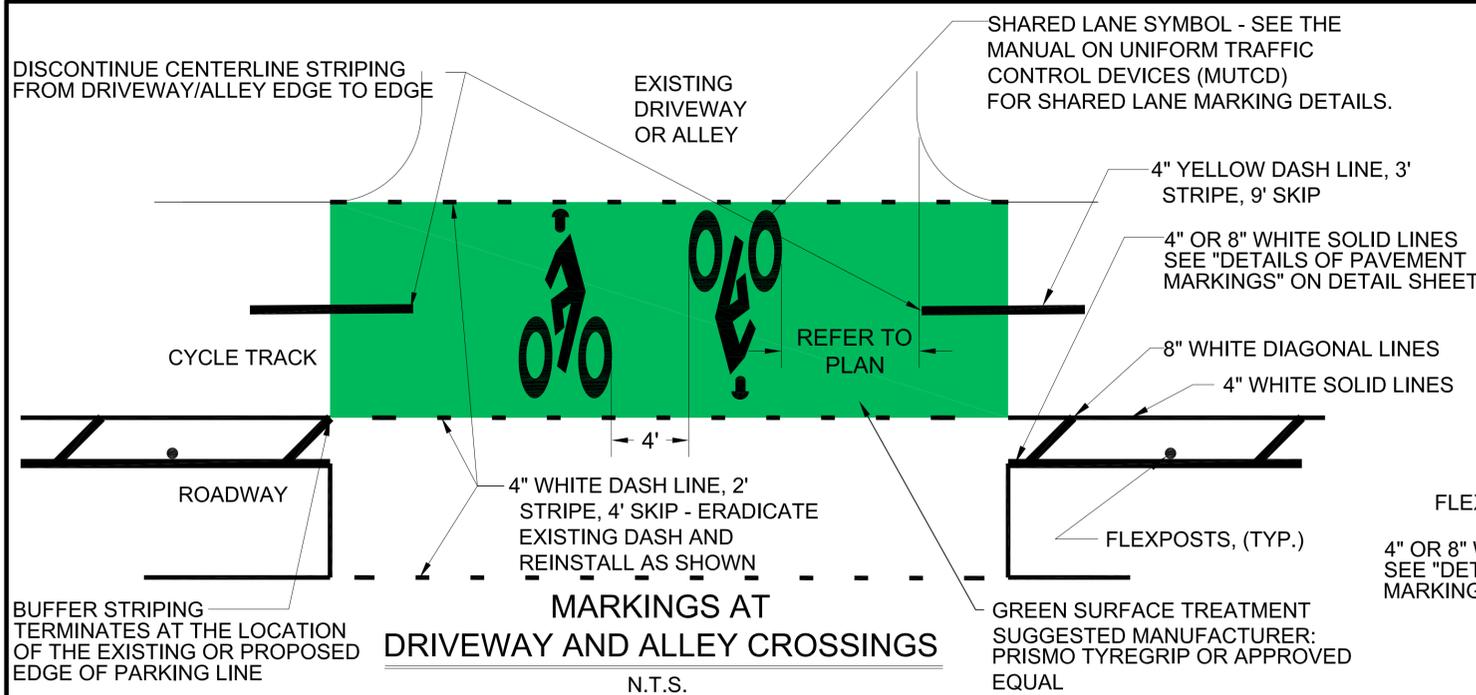
DIVISION CHIEF	
DATE	19 AUGUST 2010
FILE	15th_Street_Working.DWG
DWG.	003 OF 030

DETAIL SHEET- 2



NO.	DESCRIPTION	NAME	DATE

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	004	046



NOTE:
CONTRACTOR TO INSTALL FLEXPOSTS AT EACH CORNER OF PARKING STALL AS SHOWN. FLEXPOSTS TO BE SPACED 10' ON CENTER, 6" OFF OF LANE LINE WITHIN INTERSECTION BUFFER AREA NORTH OF MASSACHUSETTS AVE, UNLESS OTHERWISE NOTED. FLEXPOSTS TO BE SPACED 20' ON CENTER, 6" OFF OF LANE LINE WITHIN THE MIDBLOCK BUFFER AND INTERSECTIONS SOUTH OF MASSACHUSETTS AVE, UNLESS OTHERWISE NOTED.

100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION
TRANSPORTATION POLICY AND PLANNING ADMINISTRATION
PROJECT MANAGEMENT DIVISION

REHABILITATION OF 15TH ST, N.W.
FROM E STREET, N.W.
TO EUCLID STREET, N.W.
WARD 3- WASHINGTON, D.C.

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DIVISION CHIEF

DATE 19 AUGUST 2010

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DWG. 004 OF 030

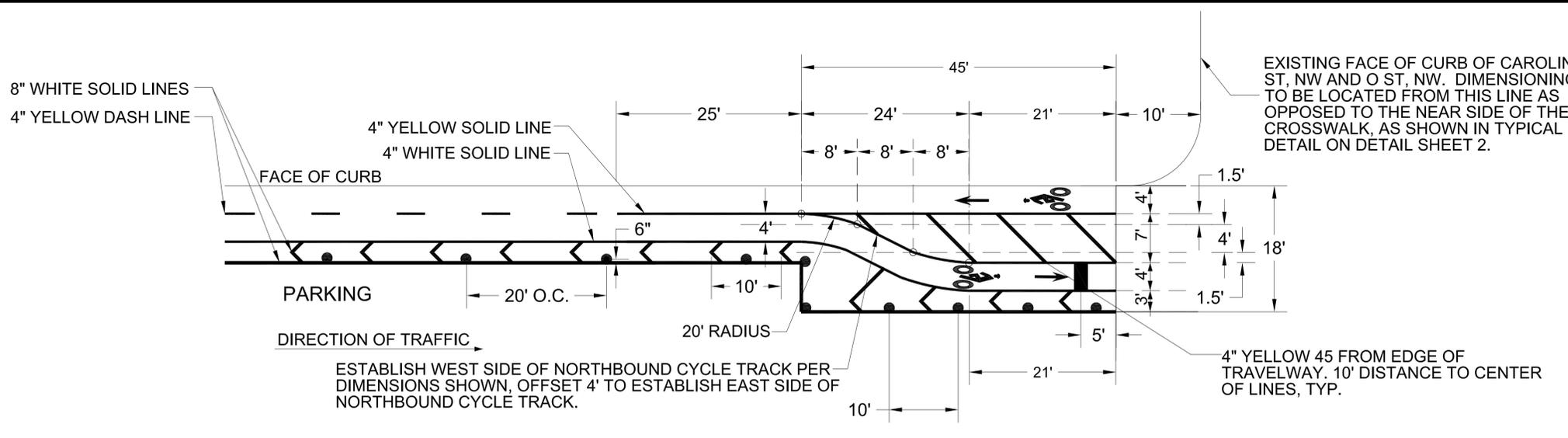
DETAIL SHEET- 3

NO.	DESCRIPTION	NAME	DATE

REVISIONS

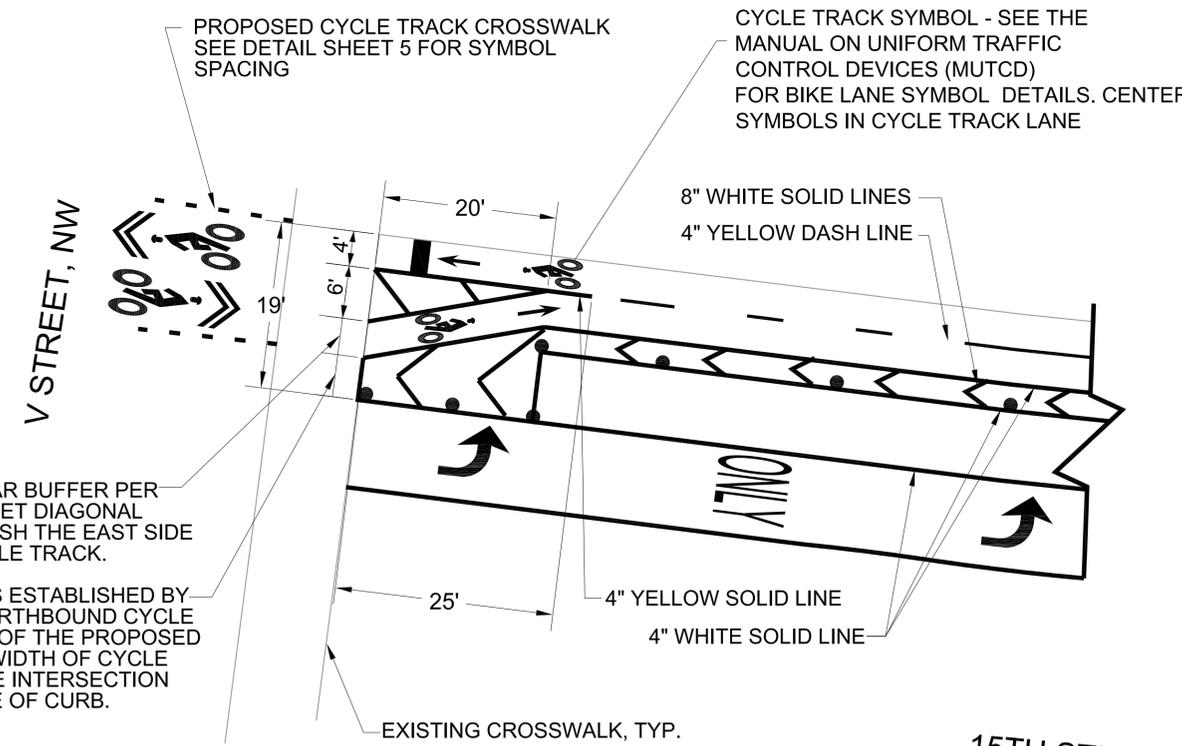


F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	005	046



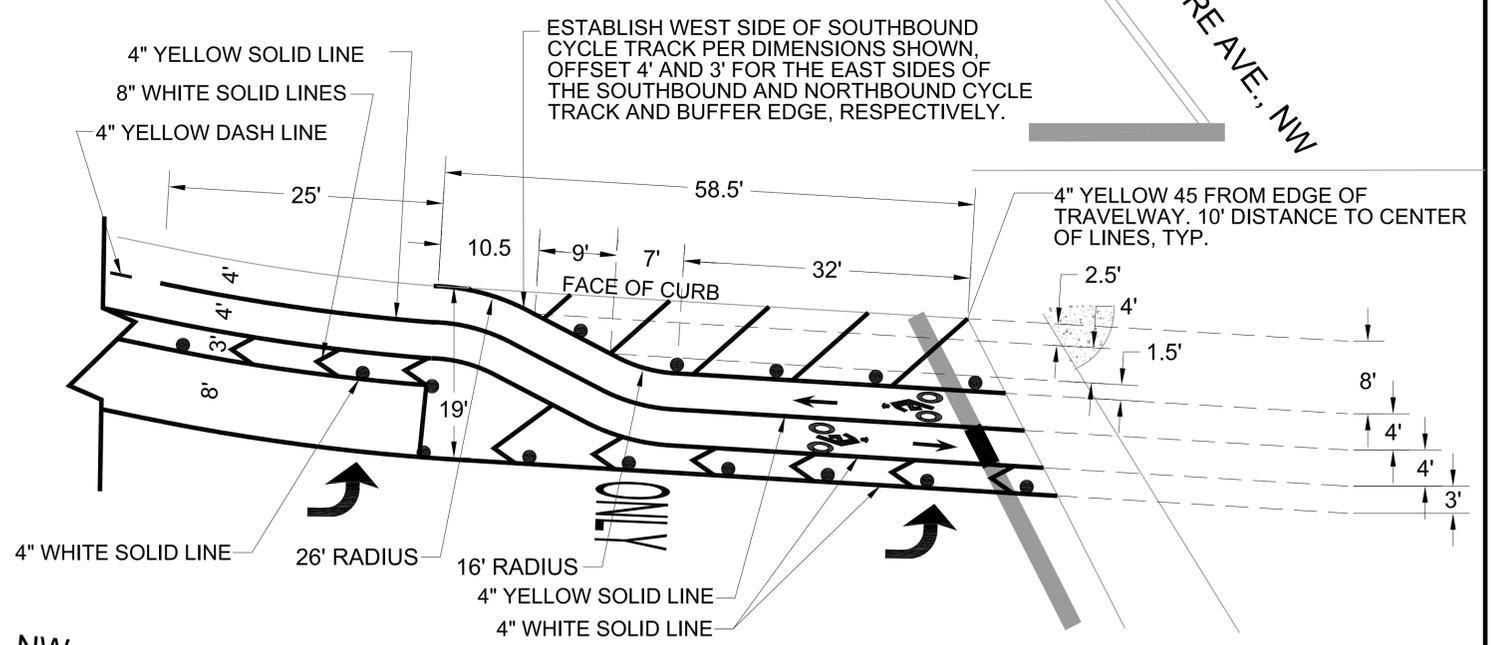
NOTE:
 CONTRACTOR TO INSTALL FLEXPOSTS AT EACH CORNER OF PARKING STALL AS SHOWN. FLEXPOSTS TO BE SPACED 10' ON CENTER, 6" OFF OF LANE LINE WITHIN INTERSECTION BUFFER AREA NORTH OF MASSACHUSETTS AVE, UNLESS OTHERWISE NOTED. FLEXPOSTS TO BE SPACED 20' ON CENTER, 6" OFF OF LANE LINE WITHIN THE MIDBLOCK BUFFER AND INTERSECTIONS SOUTH OF MASSACHUSETTS AVE, UNLESS OTHERWISE NOTED.

CYCLE TRACK- NB NEAR SIDE INTERSECTION WITH CAROLINE STREET, NW AND O STREET, NW
 N.T.S.



ESTABLISH THE TRIANGULAR BUFFER PER DIMENSIONS SHOWN, OFFSET DIAGONAL BUFFER LINE 4' TO ESTABLISH THE EAST SIDE OF THE NORTHBOUND CYCLE TRACK.
 PARKING BUFFER WIDTH IS ESTABLISHED BY THE EAST SIDE OF THE NORTHBOUND CYCLE TRACK AND THE EXTENTS OF THE PROPOSED 8' PARKING LANE. TOTAL WIDTH OF CYCLE TRACK TREATMENT AT THE INTERSECTION SHOULD BE 19' FROM FACE OF CURB.

NB FAR SIDE INTERSECTION WITH V STREET, NW AND NB NEAR SIDE INTERSECTION WITH NEW HAMPSHIRE AVE NW, W STREET NW AND FLORIDA AVE, NW
 N.T.S.



100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION
 TRANSPORTATION POLICY AND PLANNING ADMINISTRATION
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REHABILITATION OF 15TH ST, N.W.
 FROM E STREET, N.W.
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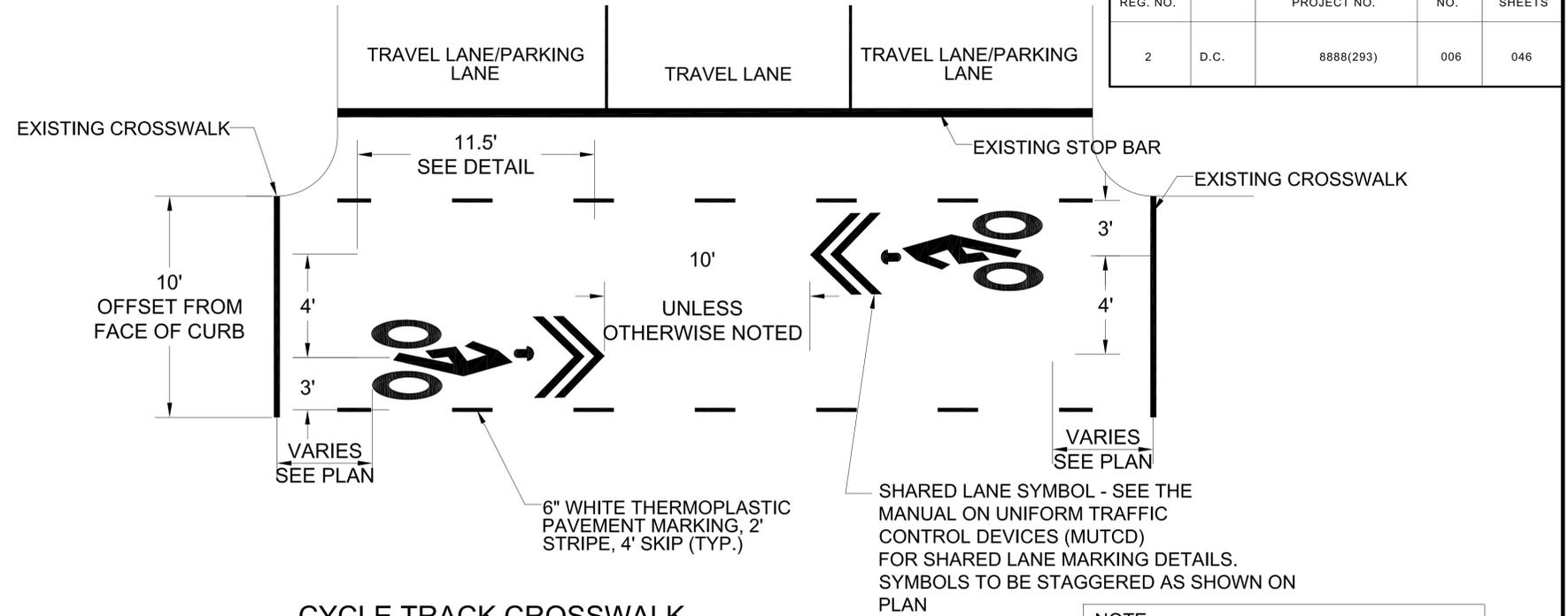
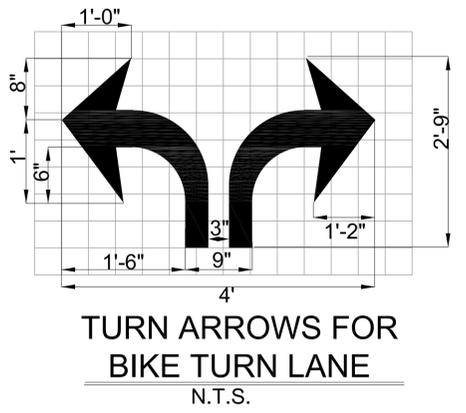
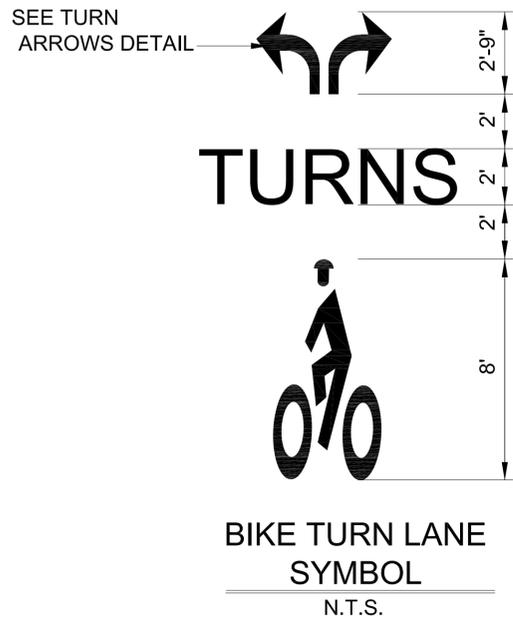
PROJECT ENG.	W.S.
DESIGNED BY	C.R.
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PROJECT MGR.	W.S.
DIVISION CHIEF	
DATE	19 AUGUST 2010
FILE	15th_Street_Working.DWG
DWG.	005 OF 030



NO.	DESCRIPTION	NAME	DATE

DETAIL SHEET- 4

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	006	046

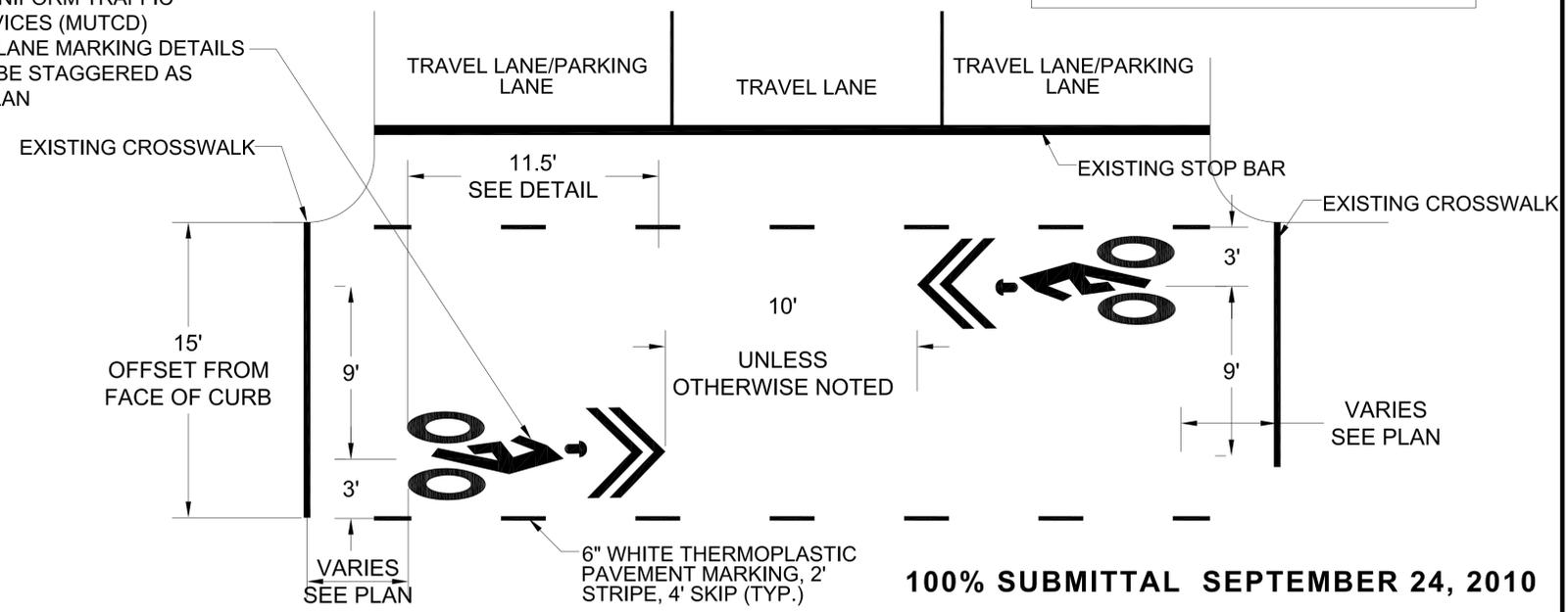


CYCLE TRACK CROSSWALK
SYMBOL SPACING ON 10' WIDE CROSSWALK
(TYP. SOUTH OF MASSACHUSETTS AVE AND NH AVE)
N.T.S.

NOTE:
THE ENTIRE CYCLE TRACK CROSSWALK WILL HAVE GREEN SURFACE TREATMENT INSTALLED AT UNCONTROLLED INTERSECTIONS ONLY (SEE PLAN)

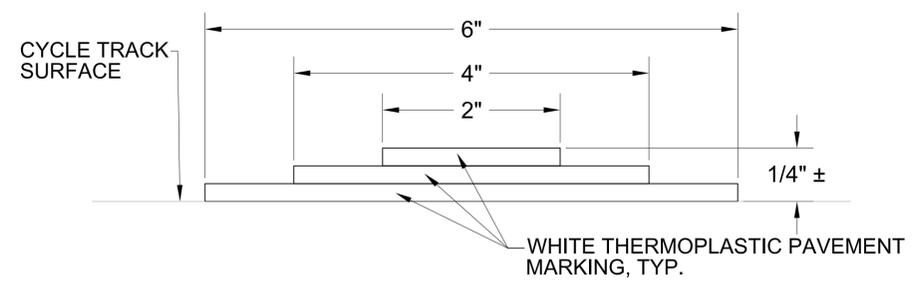
SUGGESTED MANUFACTURER:
PRISMO TYPEGRIP OR APPROVED EQUAL

SHARED LANE SYMBOL - SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR SHARED LANE MARKING DETAILS. SYMBOLS TO BE STAGGERED AS SHOWN ON PLAN



CYCLE TRACK CROSSWALK
SYMBOL SPACING ON 15' WIDE CROSSWALK
(TYP. NORTH OF MASSACHUSETTS AVE AT PERMITTED LEFT TURNS)
N.T.S.

100% SUBMITTAL SEPTEMBER 24, 2010



- NOTES:
- EACH PAVEMENT MARKING LAYER SHALL HAVE A THICKNESS OF 80-95 MILS IN ORDER TO ACHIEVE AN OVERALL RUMBLE STRIP THICKNESS OF APPROXIMATELY 1/4".
 - SEE PLAN FOR SPACING, LAYOUT, AND LOCATION DETAILS.

TYPICAL RUMBLE STRIP SECTION
N.T.S.

D.C. DEPARTMENT OF TRANSPORTATION
TRANSPORTATION POLICY AND PLANNING ADMINISTRATION
PROJECT MANAGEMENT DIVISION

REHABILITATION OF 15TH ST, N.W.
FROM E STREET, N.W.
TO EUCLID STREET, N.W.
WARD 3- WASHINGTON, D.C.

PROJECT ENGR. W.S.
DESIGNED BY C.R.
CHECKED BY E.M.
DRAWN BY C.R.
PROJECT MGR. W.S.

DIVISION CHIEF
005

DATE 19 AUGUST 2010

FILE 15th_Street_Working.DWG

DWG. OF 030

DETAIL SHEET- 5



NO.	DESCRIPTION	NAME	DATE

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	008	046

SIGN DETAIL

SIGN NUMBER	R10-6b
WIDTH x HGHT.	1'-6" x 2'-0"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
Bicycle	0	3.5	17.5	8.6	5
Arrow	90	3.5	2.3	8.2	10.6

Panel Style:

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE
S	T	O	P				C 2000
3.8	5.8	7.7	10			7.9	3
H	E	R	E				C 2000
5.1	6.6	8	9.4			5.4	2
O	N						C 2000
11.4	13					2.7	2
R	E	D					C 2000
8.2	10.4	12.4				5.9	3

R10-6B - "BIKES STOP HERE ON RED" SIGN
N.T.S.

SIGN DETAIL

SIGN NUMBER	R9-6
WIDTH x HGHT.	1'-0" x 1'-6"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
Bicycle	0	1.7	11	8.6	5

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE
Y	I	E	L	D			B 2000
3.5	4.8	5.5	6.6	7.7			5 2
T	O						B 2000
5.1	6						1.9 2
P	E	D	S				B 2000
3.9	5	6.1	7.2				4.2 2

R9-6 - "BIKES YIELD TO PEDS" SIGN
N.T.S.

W11-15

SIGN NUMBER	W11-15 and R15-8
WIDTH x HGHT.	2'x2' / 12"x24"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Yellow/Green
LEGEND/BORDER	TYPE: Reflective COLOR: Black

SYMBOL	ROT	X	Y	WID	HT
6_7	0	8.8	17.6	14.7	8.5
6_10	0	12.8	4.3	6.4	12
ARUP	90	3	7.1	3	9
ARUP	90	12	7.2	2.9	9

R15-8

LETTER POSITIONS (X)						LENGTH	SERIES/SIZE
L	O	O	K				D 2000
7.1	9.3	12	14.8			9.9	3

W11-15/R15-8 - "BIKES/PEDS LOOK" SIGN
N.T.S.

100% SUBMITTAL SEPTEMBER 24, 2010

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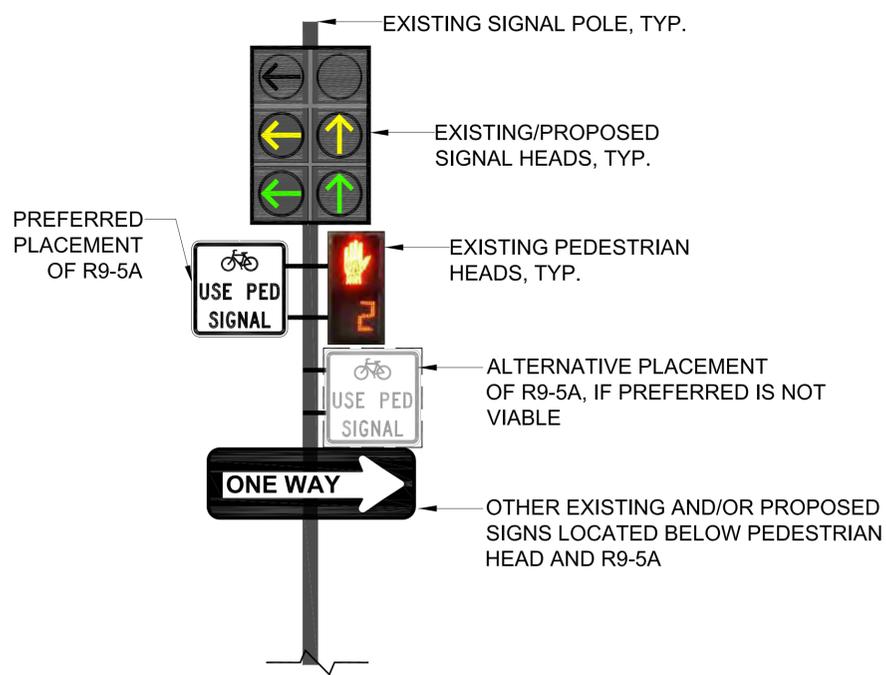
DATE 19 AUGUST 2010
FILE 15th_Street_Working.DWG
DWG 005 OF 030

DETAIL SHEET- 7

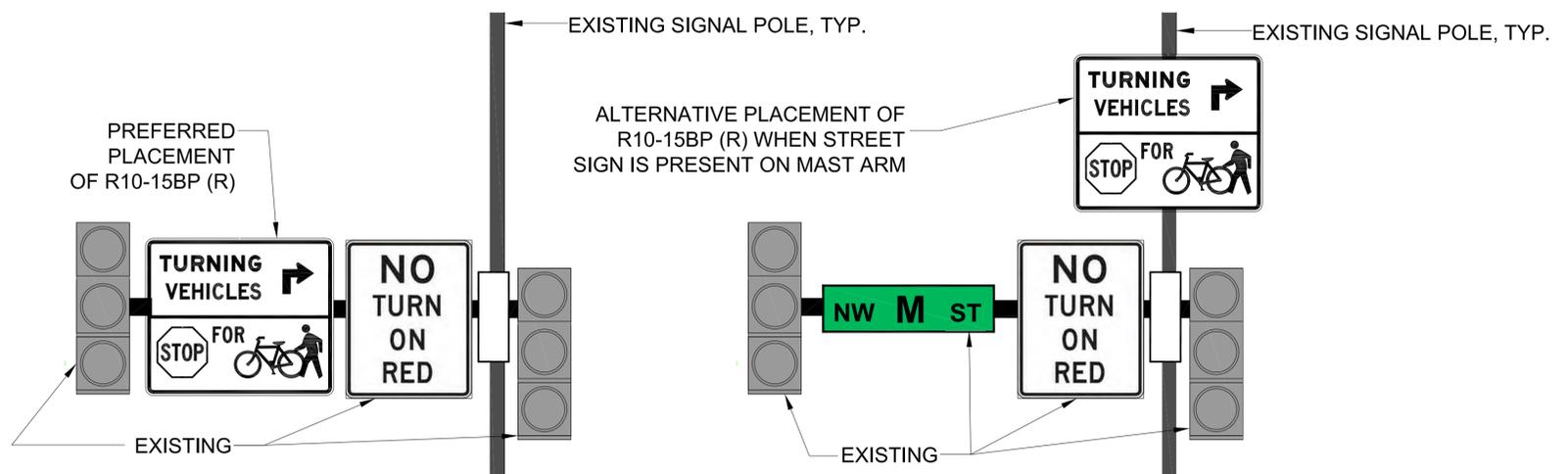


NO.	DESCRIPTION	NAME	DATE

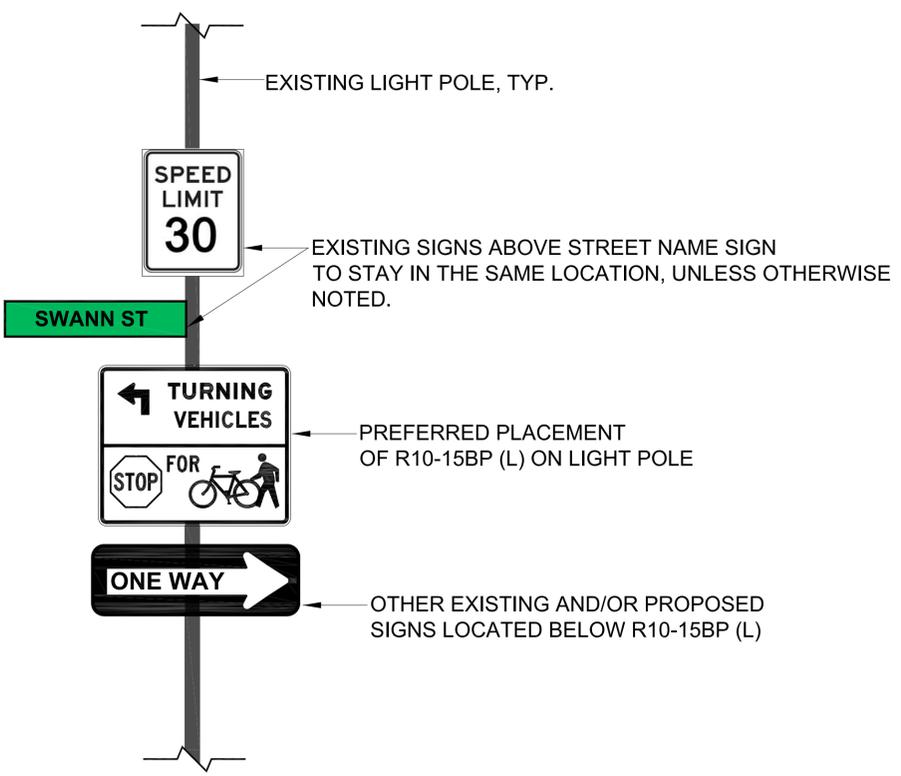
F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	009	046



NORTHBOUND 15TH STREET: CONTROLLED INTERSECTION:
TYPICAL SIGN PLACEMENT DETAIL
N.T.S.



SOUTHBOUND 15TH STREET INTERSECTIONS
TYPICAL SIGN PLACEMENT DETAIL
N.T.S.



NORTHBOUND 15TH STREET: UNCONTROLLED INTERSECTION:
TYPICAL SIGN PLACEMENT DETAIL
N.T.S.

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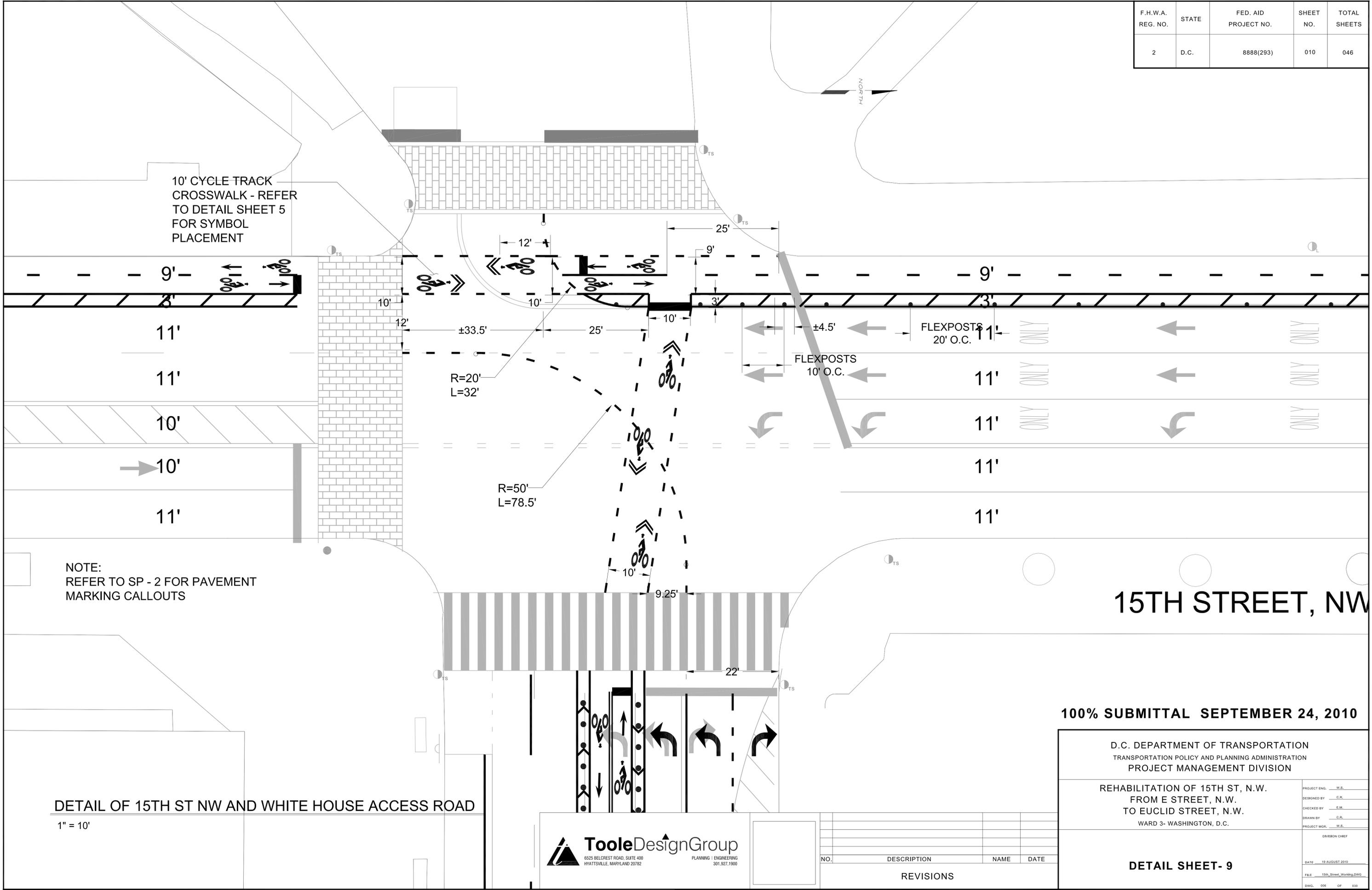
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DWG. 005 OF 030

DETAIL SHEET- 8



NO.	DESCRIPTION	NAME	DATE

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
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10' CYCLE TRACK
CROSSWALK - REFER
TO DETAIL SHEET 5
FOR SYMBOL
PLACEMENT

NOTE:
REFER TO SP - 2 FOR PAVEMENT
MARKING CALLOUTS

15TH STREET, NW

100% SUBMITTAL SEPTEMBER 24, 2010

DETAIL OF 15TH ST NW AND WHITE HOUSE ACCESS ROAD

1" = 10'

D.C. DEPARTMENT OF TRANSPORTATION
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DWG. 006 OF 030

DETAIL SHEET- 9

TooleDesignGroup
6525 BELCREST ROAD, SUITE 400
HYATTSVILLE, MARYLAND 20782
PLANNING | ENGINEERING
301.927.1900

NO.	DESCRIPTION	NAME	DATE

REVISIONS

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
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SIGN QUANTITIES

QUANTITY	SIGN DESIGNATION	MUTCD/CUSTOM	SIGN TYPE	USE	SIGN OR PLAQUE DESCRIPTION	PANEL DIMENSIONS (IN.)		PANEL AREA		DIRECTIONAL ARROWS, IF APPLICABLE
						L	W			
50	R9-6	MUTCD	REGULATORY	BICYCLE FACILITIES	BIKES YIELD TO PEDESTRIANS	18	12	1.5	SF	N/A
25	R9-5A	CUSTOM	REGULATORY	BICYCLE FACILITIES	BIKES USE PEDESTRIAN SIGNAL	18	18	2.25	SF	N/A
1	R10-6B	CUSTOM	REGULATORY	BICYCLE FACILITIES	BIKES STOP HERE ON RED	24	18	3	SF	N/A
25	W25-3	CUSTOM	WARNING	BICYCLE FACILITIES	WATCH FOR TURNING TRAFFIC	18	18	2.25	SF	N/A
1	R3-1	MUTCD	REGULATORY - PROHIBITIVE	TRAFFIC	MOVEMENT PROHIBITION - NO RIGHT TURN	36	36	9	SF	N/A
6	R3-2	MUTCD	REGULATORY - PROHIBITIVE	TRAFFIC	MOVEMENT PROHIBITION - NO LEFT TURN	36	36	9	SF	N/A
2	R3-2(1)	MUTCD	REGULATORY - PROHIBITIVE	TRAFFIC	MOVEMENT PROHIBITION - NO LEFT TURN - PM RESTRICTED (MON-FRI)	48	36	12	SF	N/A
10	W11-2	MUTCD	WARNING	TRAFFIC	PEDESTRIAN	30	30	6.25	SF	N/A
8	W16-7P	MUTCD	WARNING	TRAFFIC	DOWNWARD DIAGONAL ARROW (PLAQUE)	12	24	2	SF	N/A
2	W16-9P	MUTCD	WARNING	TRAFFIC	AHEAD (PLAQUE)	12	24	2	SF	N/A
4	W11-15	MUTCD	WARNING	TRAFFIC	PEDESTRIAN AND CYCLIST	24	24	4	SF	N/A
5	R10-11A	MUTCD	REGULATORY - PROHIBITIVE	TRAFFIC	NO TURN ON RED	36	30	7.5	SF	N/A
2	R6-1	MUTCD	REGULATORY	TRAFFIC	ONE WAY	12	36	3	SF	RIGHT
20	R10-15BP (L)	CUSTOM	WARNING	TRAFFIC	TURNING VEHICLES STOP FOR PEDESTRIANS AND CYCLISTS	30	36	7.5	SF	LEFT
10	R10-15BP (R)	CUSTOM	WARNING	TRAFFIC	TURNING VEHICLES STOP FOR PEDESTRIANS AND CYCLISTS	30	36	7.5	SF	RIGHT
4	R15-8	CUSTOM	REGULATORY	TRAFFIC	LOOK	12	24	2	SF	BOTH
7	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO PARKING ANYTIME (SYMBOL)	18	12	1.5	SF	RIGHT
8	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO PARKING ANYTIME (SYMBOL)	18	12	1.5	SF	LEFT
4	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO PARKING ANYTIME (SYMBOL)	18	12	1.5	SF	BOTH
1	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO STANDING OR PARKING LOADING ZONE 7AM-9PM	18	12	1.5	SF	RIGHT
1	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO STANDING OR PARKING LOADING ZONE 7AM-9PM	18	12	1.5	SF	LEFT
1	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO STANDING OR PARKING PM RESTRICTED (MON-FRI)	18	12	1.5	SF	RIGHT
4	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO STANDING OR PARKING ANYTIME	18	12	1.5	SF	RIGHT
2	R7 SERIES	MUTCD	REGULATORY - PROHIBITIVE	PARKING	NO STANDING OR PARKING ANYTIME	18	12	1.5	SF	LEFT
3	R7 SERIES	MUTCD	REGULATORY - PERMISSIVE	PARKING	TWO HOUR RESIDENTIAL PERMIT PARKING	18	12	1.5	SF	LEFT
3	R7 SERIES	MUTCD	REGULATORY - PERMISSIVE	PARKING	TWO HOUR RESIDENTIAL PERMIT PARKING	18	12	1.5	SF	RIGHT
3	R7 SERIES STICKER	N/A	N/A	PARKING	N/A	-	-	-	-	LEFT
1	R7 SERIES STICKER	N/A	N/A	PARKING	N/A	-	-	-	-	RIGHT

TOTAL SIGN PANEL AREA = 703.5 SF

PAVEMENT MARKING QUANTITIES

TOTAL NEW U-POSTS 86

ITEM #	ITEM	QUANTITY	UNIT	PLAN SHEET CALLOUT
1	4" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (EDGE LINE, LANE LINE)	15,350	LF	2
2	4" WHITE THERMOPLASTIC PAVEMENT MARKING- SOLID DOUBLE STRIPE (ROADWAY CENTERLINE - PENNSYLVANIA AVE.)	360	LF	14
3	4" WHITE THERMOPLASTIC PAVEMENT MARKING - 10' STRIPE, 30' SKIP (ROADWAY SKIP LINE)	3,665	LF	3
4	4" WHITE THERMOPLASTIC PAVEMENT MARKING- 2' STRIPE, 4' SKIP (ROADWAY AND CYCLE TRACK MINI SKIP LINE)	1,965	LF	4
5	6" WHITE THERMOPLASTIC PAVEMENT MARKING - 2' STRIPE, 4' SKIP (CYCLE TRACK CROSSWALK EDGE LINE)	3,000	LF	5
6	6" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (CROSSWALK EDGE LINE)	195	LF	6
7	8" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (EDGE LINE AND/OR DIAGONAL/CHEVRON)	5,800	LF	7
8	24" WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID (STOP BAR)	225	LF	9
9	24" WHITE THERMOPLASTIC PAVEMENT MARKING- SOLID (CROSSWALK)	1,940	LF	15
10	4" YELLOW THERMOPLASTIC PAVEMENT MARKING- SOLID (CYCLE TRACK CENTERLINE OR DIAGONAL)	2,930	LF	18
11	4" YELLOW THERMOPLASTIC PAVEMENT MARKING- SOLID DOUBLE STRIPE	1,920	LF	16
12	4" YELLOW THERMOPLASTIC PAVEMENT MARKING- 3' STRIPE, 9' SKIP (CYCLE TRACK CENTERLINE)	4,550	LF	17
13	4" YELLOW THERMOPLASTIC PAVEMENT MARKING- SOLID WITH SKIP LINE (10' STRIPE, 30' SKIP)	215	LF	19
	WHITE THERMOPLASTIC PAVEMENT MARKING - ARROW SYMBOL OR TEXT (TYP.)			10
14	STRAIGHT ARROW	55	EA	
15	LEFT TURN ARROW	45	EA	
16	RIGHT TURN ARROW	25	EA	
17	"ONLY"	40	EA	
18	"TURNS" (REFER TO SP1 AND DETAIL)	1	EA	
19	LEFT AND RIGHT ARROW (REFER TO SP1 AND DETAIL)	1	EA	
	WHITE THERMOPLASTIC PAVEMENT MARKINGS- CYCLE TRACK SYMBOLS			11,12
20	BIKE SYMBOL	193	EA	
21	ARROW	105	EA	
22	CHEVRON	59	EA	
23	"STOP FOR PEDS" TEXT AND RUMBLE STRIPS (SEE DETAIL)	11	EA	
24	CUSTOM BIKE LANE LEFT TURN ARROW HALF SIZE (REFER TO SP-3)	1	EA	
25	GREEN SURFACE TREATMENT - SUGGESTED MANUFACTURER: PRISMO TYREGrip OR APPROVED EQUAL	10,735	SF	20
26	3" FLEXPOSTS (SEE DETAIL)	450	EA	N/A

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FROM E STREET, N.W.
TO EUCLID STREET, N.W.
WARD 3- WASHINGTON, D.C.

PROJECT ENG. W.S.
DESIGNED BY C.R.
CHECKED BY E.M.
DRAWN BY C.R.
PROJECT MGR. W.S.
DIVISION CHIEF
DATE 19 AUGUST 2010
FILE 15th_Street_Working.DWG
DWG 006 OF 030



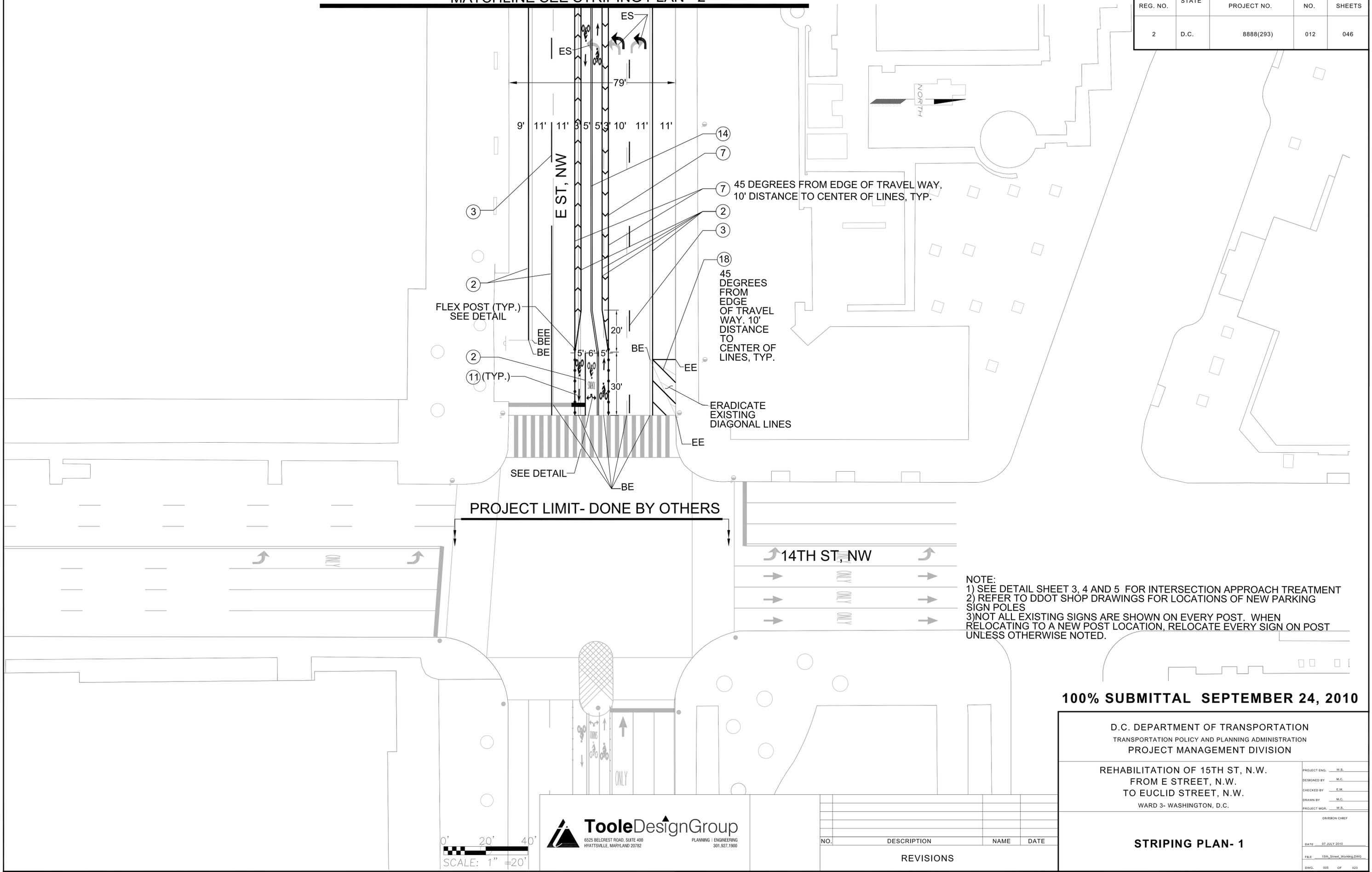
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REVISIONS

DETAIL SHEET- 10

MATCHLINE SEE STRIPING PLAN - 2

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	012	046



PROJECT LIMIT- DONE BY OTHERS

14TH ST, NW

NOTE:
 1) SEE DETAIL SHEET 3, 4 AND 5 FOR INTERSECTION APPROACH TREATMENT
 2) REFER TO DDOT SHOP DRAWINGS FOR LOCATIONS OF NEW PARKING SIGN POLES
 3) NOT ALL EXISTING SIGNS ARE SHOWN ON EVERY POST. WHEN RELOCATING TO A NEW POST LOCATION, RELOCATE EVERY SIGN ON POST UNLESS OTHERWISE NOTED.

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 WARD 3- WASHINGTON, D.C.

PROJECT ENG.	W.S.
DESIGNED BY	M.C.
CHECKED BY	E.M.
DRAWN BY	M.C.
PROJECT MGR.	W.S.

DIVISION CHIEF

DATE: 07 JULY 2010
 FILE: 15th_Street_Working.DWG
 DWG: 005 OF 023



NO.	DESCRIPTION	NAME	DATE

REVISIONS

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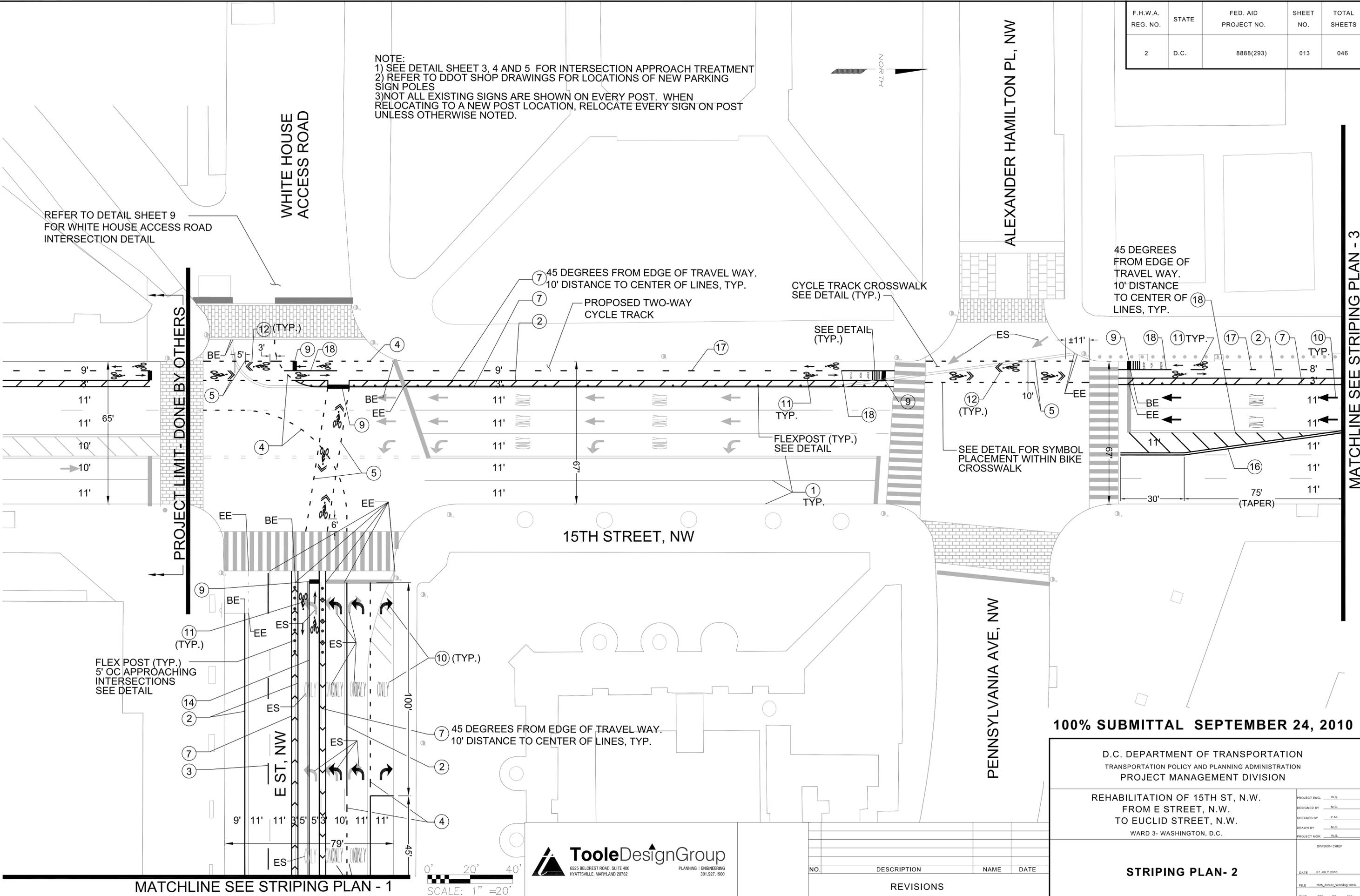
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REFER TO DETAIL SHEET 9 FOR WHITE HOUSE ACCESS ROAD INTERSECTION DETAIL

WHITE HOUSE ACCESS ROAD

ALEXANDER HAMILTON PL, NW

45 DEGREES FROM EDGE OF TRAVEL WAY. 10' DISTANCE TO CENTER OF LINES, TYP.



PROJECT LIMIT - DONE BY OTHERS

MATCHLINE SEE STRIPING PLAN - 3

FLEX POST (TYP.) 5' OC APPROACHING INTERSECTIONS SEE DETAIL

100% SUBMITTAL SEPTEMBER 24, 2010

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PROJECT ENGR.	W.S.
DESIGNED BY	M.C.
CHECKED BY	E.M.
DRAWN BY	M.C.
PROJECT MGR.	W.S.

DIVISION CHIEF	
DATE	07 JULY 2010
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DWG.	006 OF 023

TooleDesignGroup
 6525 BELCREST ROAD, SUITE 400
 HYATTSVILLE, MARYLAND 20782
 PLANNING | ENGINEERING
 301.927.1900

NO.	DESCRIPTION	NAME	DATE
REVISIONS			

MATCHLINE SEE STRIPING PLAN - 1

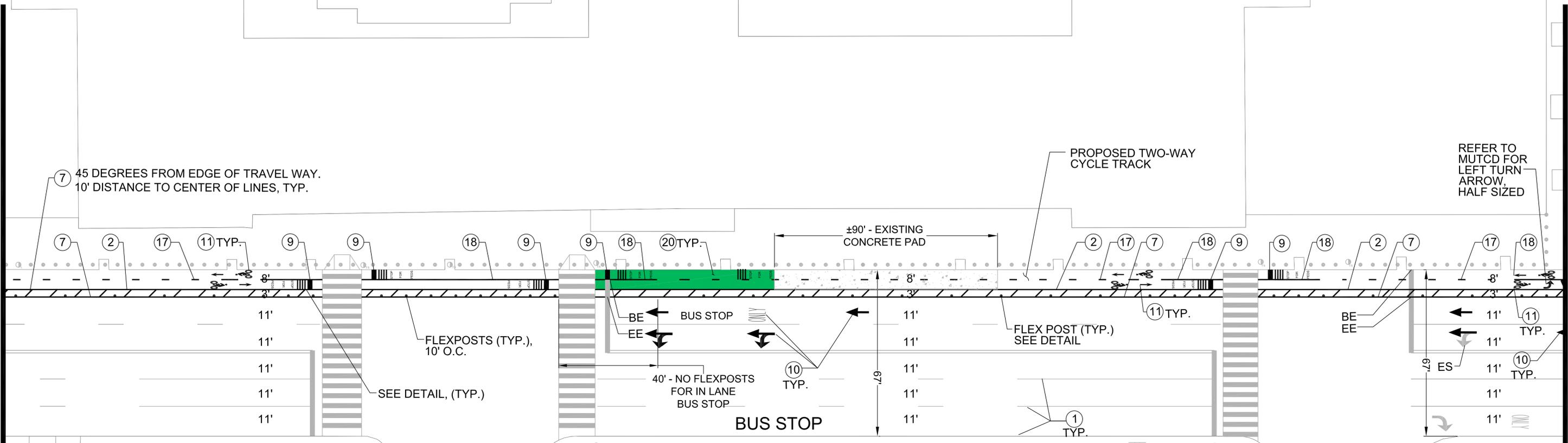


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MATCHLINE SEE STRIPING PLAN - 2

MATCHLINE SEE STRIPING PLAN - 4



15TH STREET, NW

F ST, NW

G ST, NW

NOTE:
 1) SEE DETAIL SHEET 3, 4 AND 5 FOR INTERSECTION APPROACH TREATMENT
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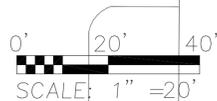
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DESIGNED BY	M.C.
CHECKED BY	E.M.
DRAWN BY	M.C.
PROJECT MGR.	W.S.

DIVISION CHIEF	
DATE	07 JULY 2010
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DWG.	008 OF 023

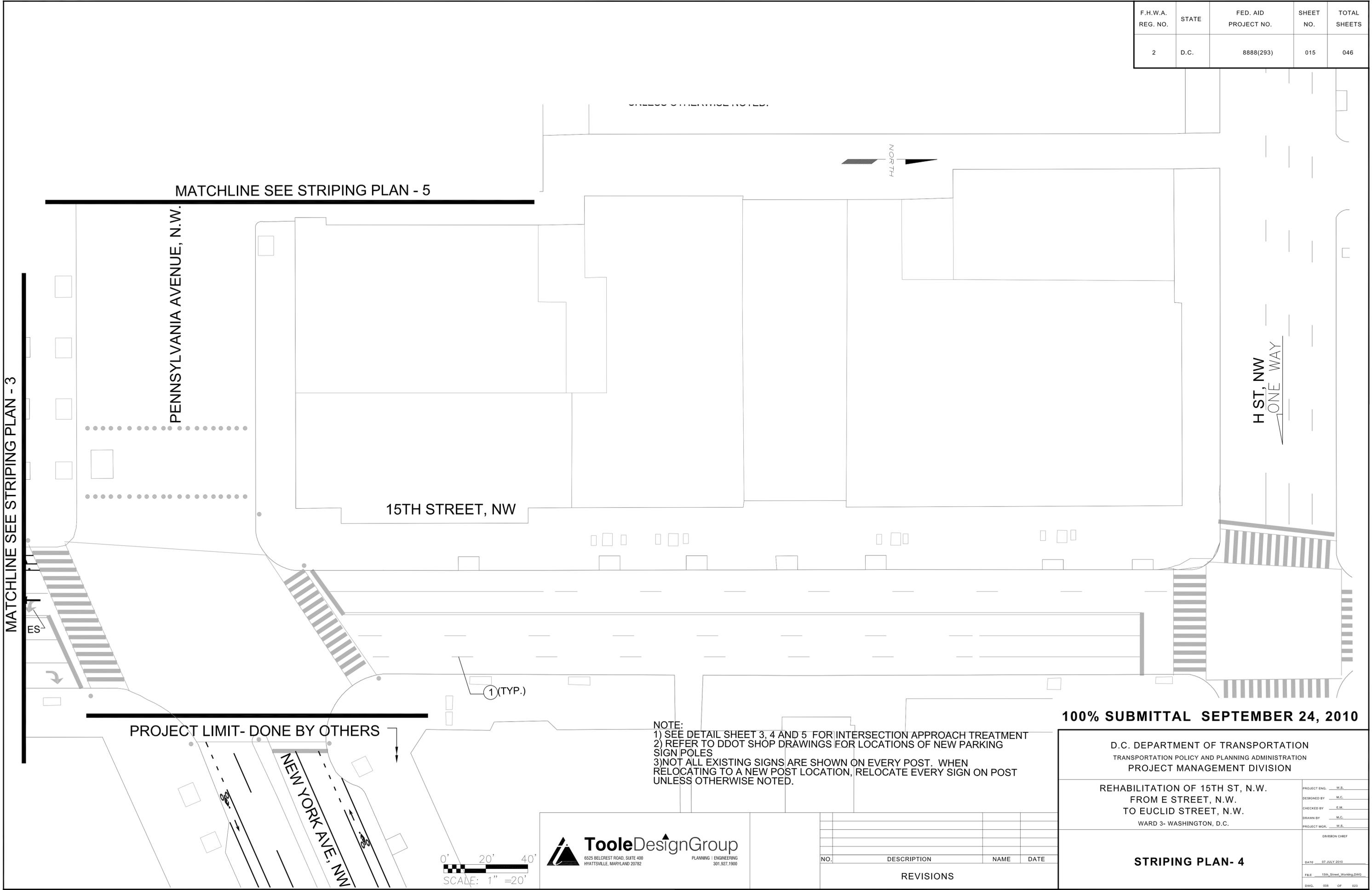


NO.	DESCRIPTION	NAME	DATE

REVISIONS

STRIPING PLAN- 3

F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
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NOTE:
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D.C. DEPARTMENT OF TRANSPORTATION TRANSPORTATION POLICY AND PLANNING ADMINISTRATION PROJECT MANAGEMENT DIVISION		PROJECT ENGR. _____ W.S. DESIGNED BY _____ M.C. CHECKED BY _____ E.M. DRAWN BY _____ M.C. PROJECT MGR. _____ W.S.
REHABILITATION OF 15TH ST, N.W. FROM E STREET, N.W. TO EUCLID STREET, N.W. WARD 3- WASHINGTON, D.C.		DIVISION CHIEF DATE 07 JULY 2010 FILE 15th_Street_Working.DWG DWG. 008 OF 023
STRIPING PLAN- 4		

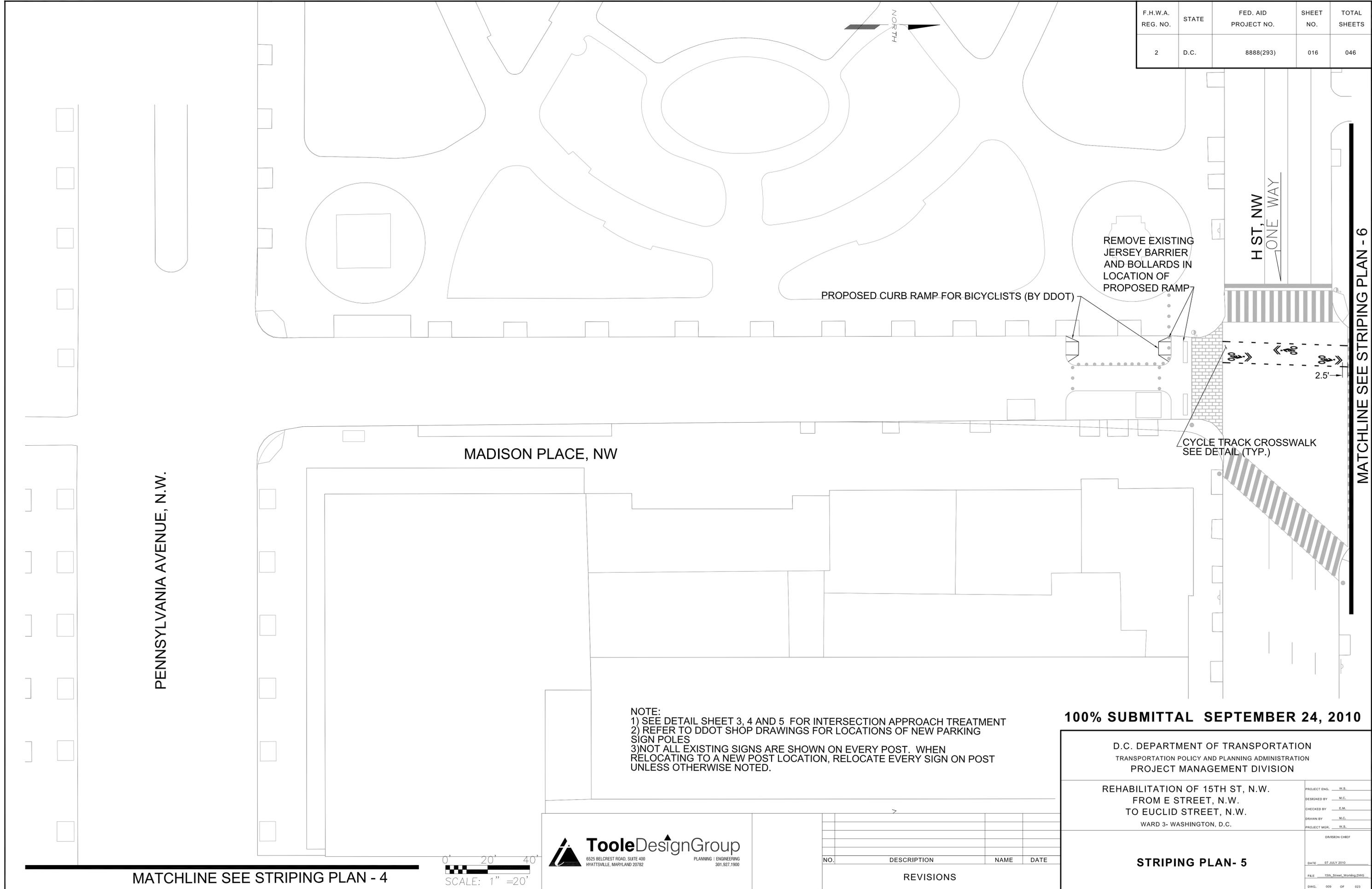


TooleDesignGroup
 6525 BELCREST ROAD, SUITE 400
 HYATTSVILLE, MARYLAND 20782
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 301.927.1900

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PENNSYLVANIA AVENUE, N.W.

MADISON PLACE, NW

H ST, NW
ONE WAY

REMOVE EXISTING JERSEY BARRIER AND BOLLARDS IN LOCATION OF PROPOSED RAMP

PROPOSED CURB RAMP FOR BICYCLISTS (BY DDOT)

CYCLE TRACK CROSSWALK SEE DETAIL (TYP.)

MATCHLINE SEE STRIPING PLAN - 6

NOTE:
 1) SEE DETAIL SHEET 3, 4 AND 5 FOR INTERSECTION APPROACH TREATMENT
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DRAWN BY	M.C.
PROJECT MGR.	W.S.

DIVISION CHIEF	
DATE	07 JULY 2010
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DWG.	009 OF 023

STRIPING PLAN- 5



MATCHLINE SEE STRIPING PLAN - 4



NO.	DESCRIPTION	NAME	DATE

REVISIONS

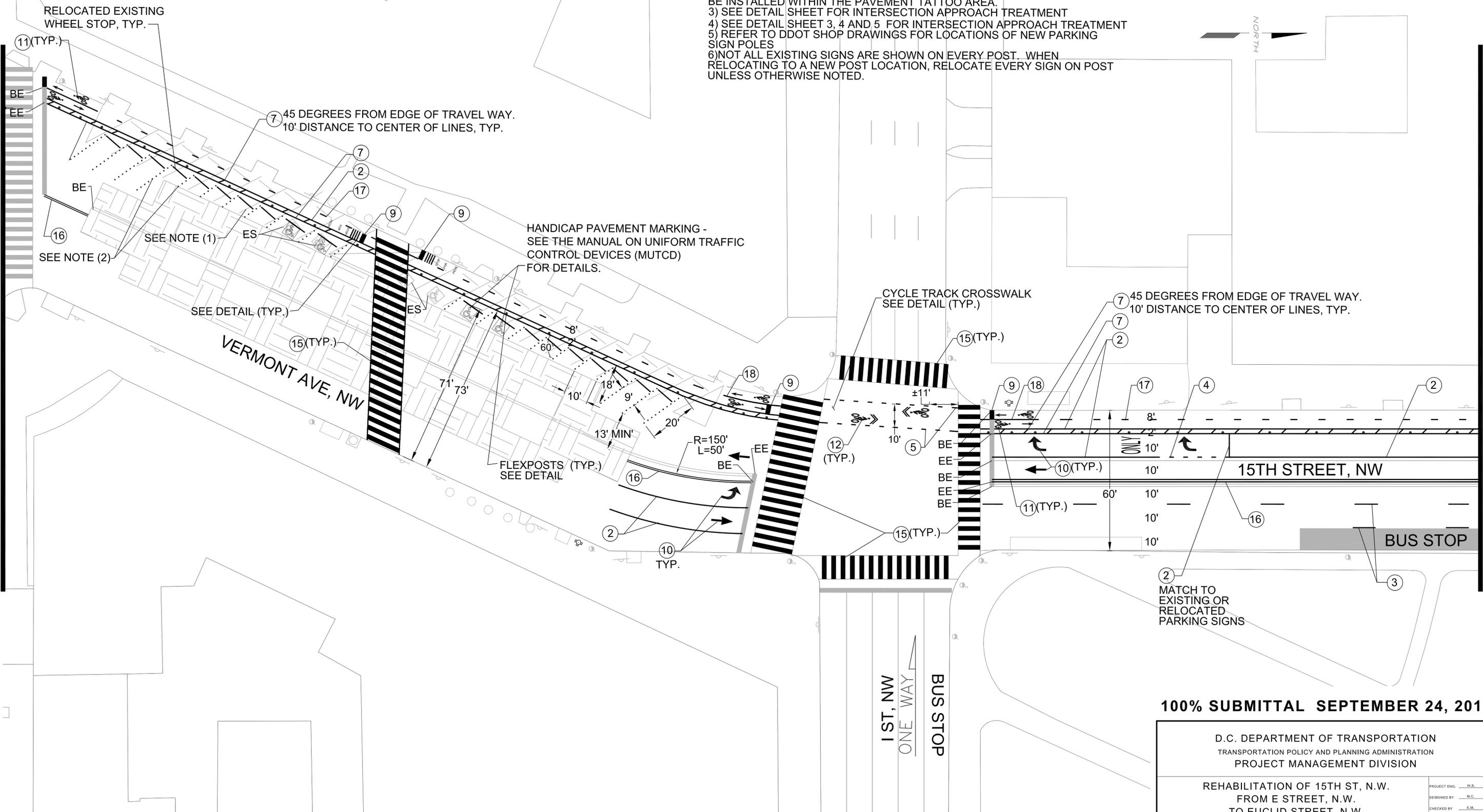
F.H.W.A. REG. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	D.C.	8888(293)	017	046

- NOTES:
- 1) ERADICATE ALL PARKING STALL LINES IN THEIR ENTIRETY. RELOCATE ALL PARKING STOPS TO OUTSIDE OF CYCLE TRACK AS SHOWN.
 - 2) PROPOSED PARKING LINES INSTALLED WITH RAISED PAVEMENT MARKINGS (RPM - REFER TO DDOT SPEC 616.02) AS SHOWN. NO RPM'S SHOULD BE INSTALLED WITHIN THE PAVEMENT TATTOO AREA.
 - 3) SEE DETAIL SHEET FOR INTERSECTION APPROACH TREATMENT
 - 4) SEE DETAIL SHEET 3, 4 AND 5 FOR INTERSECTION APPROACH TREATMENT
 - 5) REFER TO DDOT SHOP DRAWINGS FOR LOCATIONS OF NEW PARKING SIGN POLES
 - 6) NOT ALL EXISTING SIGNS ARE SHOWN ON EVERY POST. WHEN RELOCATING TO A NEW POST LOCATION, RELOCATE EVERY SIGN ON POST UNLESS OTHERWISE NOTED.



MATCHLINE SEE STRIPING PLAN - 5

MATCHLINE SEE STRIPING PLAN - 7



100% SUBMITTAL SEPTEMBER 24, 2010

D.C. DEPARTMENT OF TRANSPORTATION TRANSPORTATION POLICY AND PLANNING ADMINISTRATION PROJECT MANAGEMENT DIVISION																											
REHABILITATION OF 15TH ST, N.W. FROM E STREET, N.W. TO EUCLID STREET, N.W. WARD 3- WASHINGTON, D.C.																											
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