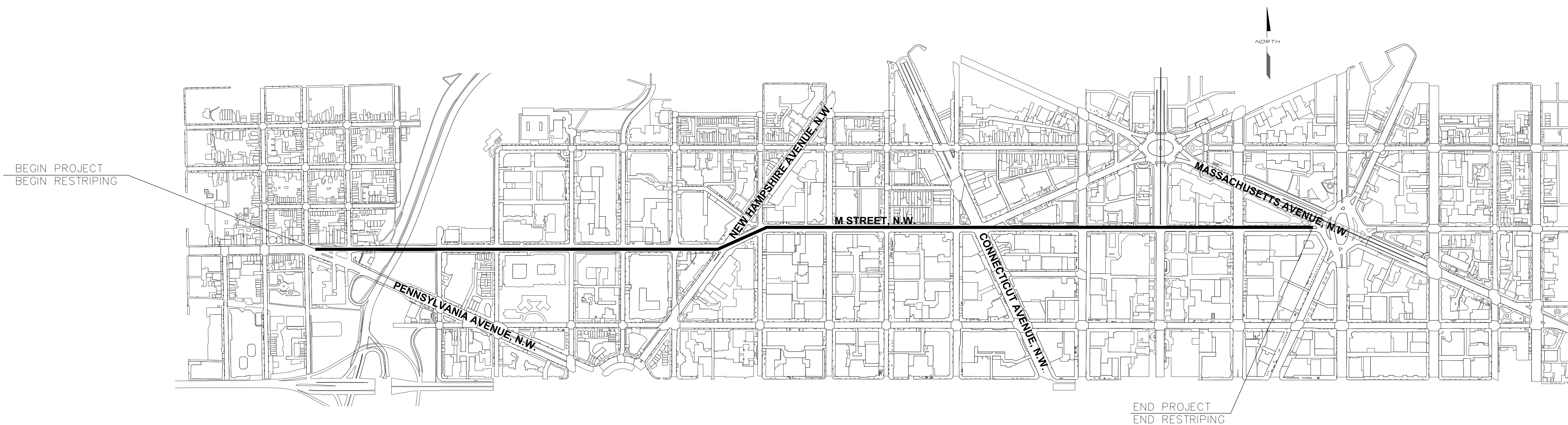


DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

PLANS OF REVISED M STREET, N.W. CYCLE TRACK

FROM PENNSYLVANIA AVENUE, N.W.
TO MASSACHUSETTS AVENUE, N.W.

INVITATION NO. DCKA-2013-B-0143
LENGTH OF PROJECT = 6,970 FT = 1.32 MILES



FINAL SUBMITTAL: DECEMBER, 2013

DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION	DEPT. OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
RECOMMENDED FOR APPROVAL: PROGRAM MANAGER IPMA / CHIEF, IPMA SUPPORT DIVISION APPROVED: CHIEF TRANSPORTATION ENGINEER TRANSPORTATION POLICY AND PLANNING ADMINISTRATION TRAFFIC SERVICES ADMINISTRATION DATE: _____	APPROVED: DIVISION ADMINISTRATOR DATE: _____



GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE GOVERNED BY THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES DATED 2009, ISSUED BY THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION EXCEPT AS AMENDED BY THE SPECIAL PROVISIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING WORK. ANY DAMAGE TO UTILITIES MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
3. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND FEATURES OUTSIDE THE LIMITS OF WORK AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER ANY SUCH OR OTHER DAMAGE SO CAUSED.
4. ALL STRIPING AND SIGN WORK SHALL MEET ALL APPLICABLE DDOT STANDARDS AND SPECIFICATIONS AND 2009 MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD) REQUIREMENTS.
5. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
6. 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.
7. FIRE HYDRANTS - NOT ALL FIRE HYDRANTS HAVE BEEN LOCATED FOR THIS STRIPING PLAN. FIELD VERIFY FIRE HYDRANT LOCATIONS AND STRIPE NO PARKING ZONE FOR 10 FEET ON EITHER SIDE OF FIRE HYDRANT. IF HYDRANT IS LOCATED WITHIN 40 FEET OF A CROSSWALK ON APPROACH SIDE, EXTEND NO PARKING ZONE STRIPING TO 10 FEET BEYOND FIRE HYDRANT. FOR DEPARTURE SIDE OF ROAD, IF HYDRANT IS LOCATED WITHIN 20 FEET OF CROSSWALK, EXTEND NO PARKING ZONE STRIPING TO 10 FEET BEYOND FIRE HYDRANT. SEE TYPICAL LANE STRIPING DETAIL ON THE STRIPING DETAILS SHEET FOR TYPICAL FIRE HYDRANT TREATMENT.
8. DRIVEWAYS - NOT ALL DRIVEWAYS HAVE BEEN LOCATED FOR THIS STRIPING PLAN. FIELD VERIFY DRIVEWAY LOCATIONS BEFORE APPLYING STRIPING.
9. ALL SIGNS SHALL BE HIGH INTENSITY SHEETING MEETING THE REQUIREMENTS OF AASHTO M268.
10. PROPOSED SIGNS SHALL BE INSTALLED SO THAT NO PORTION OF THE SIGN PANEL OVERHANGS ADJACENT ROADWAY PAVEMENT, I.E. SHALL NOT HANG IN FRONT OF A FACE OF CURB.
11. PROPOSED SIGN POSTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND ANY ADJACENT 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.
12. PROPOSED SIGNS AT NEW LOCATIONS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
13. PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.
14. FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.
15. 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 THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE COST FOR MOUNTING SIGNS IS INCLUDED IN THE UNIT BID PRICE FOR 620 014 TRAFFIC SIGN PANELS.
16. IF SIGN INSTALLATION IS SHOWN ON A POLE THAT IS NOT OWNED BY THE CITY, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER (UTILITY COMPANY OR PROPERTY OWNER). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED PERMISSION.

MAINTENANCE OF TRAFFIC

17. MUTCD, DC TEMPORARY TRAFFIC CONTROL MANUAL (DC_TTCM) AND DDOT STANDARD DETAILS AND PROCEDURES FOR MAINTENANCE OF TRAFFIC SHALL BE USED FOR INSTALLATION OF SIGNS AND PAVEMENT MARKINGS INCLUDING DDOT STANDARD DRAWING 616.00 TCP GENERAL NOTES, AND 616.06 WORK ZONE CHANNELIZING DEVICES.
18. ALL EXISTING RESIDENTIAL AND COMMERCIAL DRIVEWAYS AND PUBLIC ALLEY ENTRANCES SHALL REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
19. FOR LOCATIONS WHERE THE WORK WILL BE COMPLETE WITHIN ONE WORKING DAY, THE CONTRACTOR SHALL UTILIZE SIGNS, BARRICADES, CHANNELIZING DEVICES, CHANGEABLE MESSAGE BOARDS, AND WARNING LIGHTS AS NECESSARY TO COMPLY WITH DDOT AND MUTCD REQUIREMENTS FOR SHORT-TERM STATIONARY WORK AND MOBILE WORK. SEE STANDARD DETAILS REFERENCED BELOW.
20. TEMPORARY "MOBILE" LANE CLOSURES UTILIZING VEHICLES WITH WARNING LIGHTS AND SIGNS PER MUTCD WILL BE ALLOWED FOR LANE CLOSURES WHERE THE WORK WILL BE COMPLETED WITHIN ONE WORKING DAY. FOR LOCATIONS WHERE THE WORK WILL NOT BE COMPLETE WITHIN ONE WORKING DAY OR OCCUR AT NIGHT, THE CONTRACTOR SHALL UTILIZE SIGNS, BARRICADES, CHANNELIZING DEVICES, CHANGEABLE MESSAGE BOARDS, AND WARNING LIGHTS AS NECESSARY TO COMPLY WITH DDOT AND MUTCD REQUIREMENTS FOR INTERMEDIATE-TERM STATIONARY WORK. SEE STANDARD DETAILS REFERENCED BELOW.
21. MAINTENANCE OF TRAFFIC WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARD DETAILS:
 - A. PAVEMENT MARKING WORK INSTALLED AS A MOBILE OPERATION. REFER TO MUTCD TYPICAL APPLICATION 17 AND 35.
 - B. SIGNING WORK INSTALLED WITH PARKING/SHOULDER AND SIDEWALK CLOSURES. REFER TO MUTCD TYPICAL APPLICATION 3, 4 AND 6 FOR SHOULDER CLOSURES. REFER TO DDOT STANDARDS BELOW FOR PARKING AND SIDEWALK CLOSURES.
 - C. FOR WORK REQUIRING ONLY INTERMITTENT STREET CLOSURE A FLAGGING OPERATION WILL BE REQUIRED. REFER TO DDOT STANDARD DRAWING 616.13 AND MUTCD TYPICAL APPLICATION 13.
 - D. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND PARKING LANE CLOSURE, REFER TO DDOT STANDARD DRAWING 616.07.
 - E. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND TRAVEL LANE, PARKING LANE AND SIDEWALK CLOSURE REFER TO DDOT STANDARD DRAWING 616.08.
 - F. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND PARKING LANE AND SIDEWALK CLOSURE, REFER TO DDOT STANDARD DRAWING 616.09.
 - G. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND INTERIOR LANE CLOSURE, REFER TO DDOT STANDARD DRAWING 616.10.
 - H. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND PARTIAL INTERSECTION CLOSURES, REFER TO DDOT STANDARD DRAWINGS 616.11 AND 616.12.
 - I. FOR WORK REQUIRING EXTENDED CONSTRUCTION TIME AND RIGHT TURN LANE CLOSURE, REFER TO DDOT STANDARD DRAWING 616.16.
22. THE PEDESTRIAN SIDEWALKS AND CROSSWALKS MUST REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
23. SIGNS SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK AND REMOVED IMMEDIATELY AFTER COMPLETION OF ACTIVITIES.
24. FULL VIEW OF ADVANCE WARNING SIGNS SHALL BE CLEAR OF OBSTRUCTION ON APPROACH TO WORK ZONE.
25. THE CONTRACTOR SHALL OBTAIN A DCRA NOISE PERMIT FOR WEEKEND AND NIGHT-TIME WORK.
26. ALL AFFECTED TRAVEL LANES SHALL MAINTAIN A 10-FOOT MINIMUM WIDTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

PROJECT ENG. GPY
DESIGNED BY GPY
CHECKED BY MJG
DRAWN BY GPY
PROJECT MGR. MJG

DIVISION CHIEF

GENERAL NOTES

DATE DECEMBER 18, 2013

FILE

SHEET 02 OF 28



1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13
NO.	DESCRIPTION	NAME	DATE
REVISIONS			

DETAIL OF PAVEMENT MARKINGS (IF SHOWN)

ROADWAY

- APPROACH LANE LINES TO A SIGNALIZED INTERSECTION - FOUR INCH WIDE, SOLID WHITE LINES. BEGIN AT STOP LINE AND CONTINUE FOR NINETY FEET UNLESS OTHERWISE NOTED.
- BROKEN (DASH) LINES
 - 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.
 - DASH LINES STOP ONE FOOT BEFORE CROSSWALK BACK EDGE LINE.
- DOTTED 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.
- ARROW OR TEXT MARKINGS - SPACED THIRTY-TWO FEET APART, UNLESS OTHERWISE NOTED. SPACED FIFTEEN FEET FROM CROSSWALK.

BIKE LANES

- ADJACENT TO PARKING LANE - SOLID WHITE LINE, 4 INCHES WIDE UNLESS OTHERWISE NOTED.
- ADJACENT TO TRAVEL LANE - SOLID WHITE LINE, 6 INCHES WIDE UNLESS OTHERWISE NOTED.

STOP LINES

- ONE FOOT WIDE (UNLESS OTHERWISE NOTED), LOCATED SIX FEET BEFORE CROSSWALK.

CROSSWALKS

- PEDESTRIAN CROSSWALK - TEN FEET WIDE, UNLESS OTHERWISE NOTED.
 - EDGE LINES - SOLID WHITE LINES, SIX INCHES WIDE.
 - STRIPED CROSSWALKS - TWO FOOT WIDE WHITE STRIPES WITH TWO FOOT WIDE SPACING. MAKE STRIPES PARALLEL TO CURB LINE OF STREET.
 - ALL HANDICAP RAMPS MUST BE LOCATED WITHIN A CROSSWALK, INCLUDING SIDE FLARES OF RAMPS. 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.

PARKING STALLS

- SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.

NO PARKING ZONES/BUFFER

- OUTER BUFFER/PARKING AISLE EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE, UNLESS OTHERWISE NOTED.
- INNER BUFFER EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.
- DIAGONAL OR CHEVRON BUFFER - SINGLE SOLID WHITE LINE, SIX INCHES WIDE, FORTY-FIVE DEGREE ANGLE, FIVE FOOT ON CENTER SPACING, UNLESS OTHERWISE NOTED.

MARKING LEGEND

EXISTING	PROPOSED	
		SIGN AND POST
		BICYCLE LANE SYMBOL
		SHARED LANE SYMBOL
	4" SWL	4" SOLID WHITE LANE LINE OR INSIDE BICYCLE LANE LINE
	6" SWL	6" SOLID WHITE OUTSIDE BICYCLE LANE LINE
	4" BWL	4" BROKEN WHITE LANE LINE (10' STRIPE, 30' SKIP)
	4" DWL	4" DOTTED WHITE ILINE (2' STRIPE, 4' SKIP)
	6" DWL	6" DOTTED WHITE LINE (2' STRIPE, 4' SKIP)
	4" SYL	4" SOLID YELLOW LANE LINE
	4" SYCL	4" SOLID YELLOW CENTERLINE
	4" DSYCL	4" DOUBLE SOLID YELLOW CENTERLINE
	4" BYCL	4" DOUBLE BROKEN YELLOW CENTERLINE (10' STRIPE, 30' SKIP)
	4" DDYCL	4" DOUBLE DOTTED YELLOW CENTERLINE (2' STRIPE, 4' SKIP)
	4" SBYCL	4" SOLID YELLOW LANE LINE WITH 4" BROKEN YELLOW LANE LINE (10' STRIPE, 30' SKIP)
	6" SWCHL	6" SOLID WHITE CHANNELIZATION LINE
	6"-24" SYCHL	6"-24" SOLID YELLOW CHANNELIZATION LINE
	12" SL	12" STOP LINE
	CW	CROSSWALK WITH 6" SWL FOR PARALLEL LINES AND 2' SWL (4' O.C. AT 90° ALIGNED WITH CURB, UNLESS OTHERWISE NOTED)
		GORE MARKINGS WITH 6" SWCHL OR 6"-24" SYCHL (5' O.C. AT 45° UNLESS OTHERWISE NOTED)
		WHITE PAVEMENT ARROW AND TEXT
		COLORIZED COATING
		NEW OR RELOCATED SIGN
		EXISTING FIRE HYDRANT
		PROPOSED FLEXIBLE BOLLARD



NO.	DESCRIPTION	NAME	DATE
1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13
REVISIONS			

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION BICYCLE AND PEDESTRIAN PROGRAM	
M ST, N.W. CYCLE TRACK PROJECT FROM PENNSYLVANIA AVE, N.W., TO MASSACHUSETTS AVE, N.W.	
DETAIL SHEET - 1	PROJECT ENG. GPY DESIGNED BY GPY CHECKED BY MJG DRAWN BY GPY PROJECT MGR. MJG DIVISION CHIEF DATE DECEMBER 18, 2013 FILE SHEET 03 OF 28


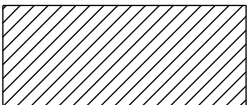
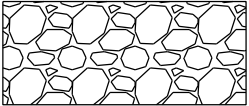
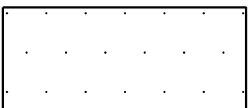
NORTH

N 451,397.11
E 1,300,593.30

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. SEE SHEET 3 FOR CORRESPONDING CONSTRUCTION LAYOUT TABLE.

LEGEND:

-  PROPOSED MEDIAN WITH GRANITE CURB
-  PROPOSED CYCLE TRACK
-  PROPOSED GRAVEL BED
-  EXISTING RAIN GARDEN

RHODE ISLAND AVENUE, NW

CONNECTICUT AVENUE, NW

M STREET, NW

5' 0 5' 10'
SCALE: 1"=10'

d.
District Department of Transportation

NO.	DESCRIPTION	NAME	DATE
1	MEDIAN CURB CUT DETAIL	IPM	08 / 20 / 2013
REVISIONS			

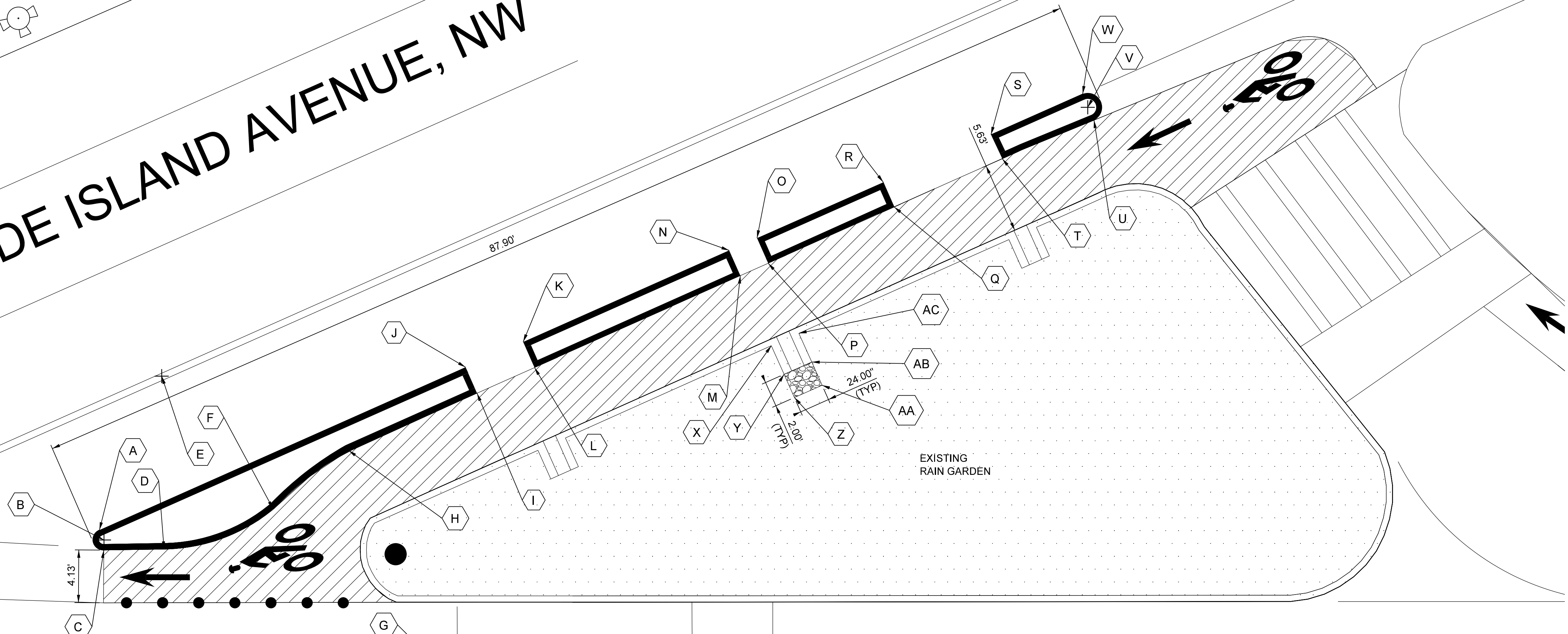
D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

PROJECT ENG. IPM
 DESIGNED BY IPM
 CHECKED BY RCS
 DRAWN BY IPM
 PROJECT MGR. RCS

MEDIAN CURB CUT DETAIL 2
CONSTRUCTION LAYOUT PLAN

DIVISION CHIEF
 DATE 09 / 09 / 2013
 FILE
 SHEET 13 OF 28



CONSTRUCTION LAYOUT TABLE:

ID	NORTHING	EASTING	DESCRIPTION
A	451241.3	1300714.68	FACE OF MEDIAN CURB
B	451240.45	1300715.07	RADIUS POINT (R=00.86')
C	451239.59	1300715.07	FACE OF MEDIAN CURB
D	451239.67	1300720.19	FACE OF MEDIAN CURB
E	451254.16	1300720.11	RADIUS POINT (R=14.75')
F	451243.1	1300729.48	EDGE OF MEDIAN CURB
G	451230.54	1300743.48	RADIUS POINT (R=25.5')
H	451248.07	1300735.93	FACE OF MEDIAN CURB
I	451254.06	1300749.37	FACE OF MEDIAN CURB
J	451256.27	1300748.39	FACE OF MEDIAN CURB
K	451257.31	1300750.78	FACE OF MEDIAN CURB
L	451255.12	1300751.75	FACE OF MEDIAN CURB
M	451262.95	1300769.29	FACE OF MEDIAN CURB
N	451265.1	1300768.33	FACE OF MEDIAN CURB
O	451266.15	1300770.71	FACE OF MEDIAN CURB
P	451264.01	1300771.65	FACE OF MEDIAN CURB
Q	451271.85	1300789.23	FACE OF MEDIAN CURB
R	451273.93	1300788.31	FACE OF MEDIAN CURB
S	451274.95	1300790.95	FACE OF MEDIAN CURB
T	451272.9	1300791.6	FACE OF MEDIAN CURB
U	451276.19	1300799.41	FACE OF MEDIAN CURB
V	451277.28	1300798.88	RADIUS POINT (R=1.22')
W	451278.42	1300798.45	EDGE OF MEDIAN CURB
X	451256.97	1300771.89	FACE OF CURB
Y	451254.54	1300772.98	FACE OF CURB
Z	451252.56	1300773.86	EDGE OF ROCK BED
AA	451253.61	1300776.22	EDGE OF ROCK BED
AB	451255.59	1300775.34	FACE OF CURB
AC	451258.03	1300774.23	FACE OF CURB

GENERAL NOTES:

1. SEE MEDIAN CURB CUT DETAIL 2 FOR CORRESPONDING CONSTRUCTION LAYOUT PLAN
2. ALL RADIUS POINTS ARE FOR FACE OF CURB.

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

**M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.**

PROJECT ENG. <u>IPM</u>	PROJECT MGR. <u>RCS</u>
DESIGNED BY <u>IPM</u>	
CHECKED BY <u>RCS</u>	
DRAWN BY <u>IPM</u>	

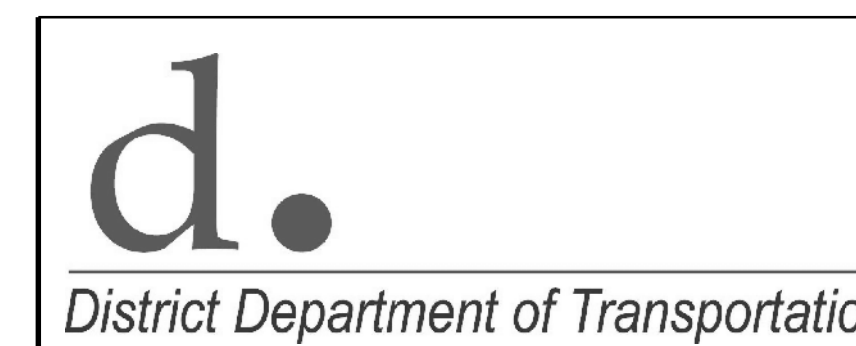
**MEDIAN CURB CUT DETAIL 3
CONSTRUCTION LAYOUT TABLE**

DIVISION CHIEF

DATE 09 / 09 / 2013

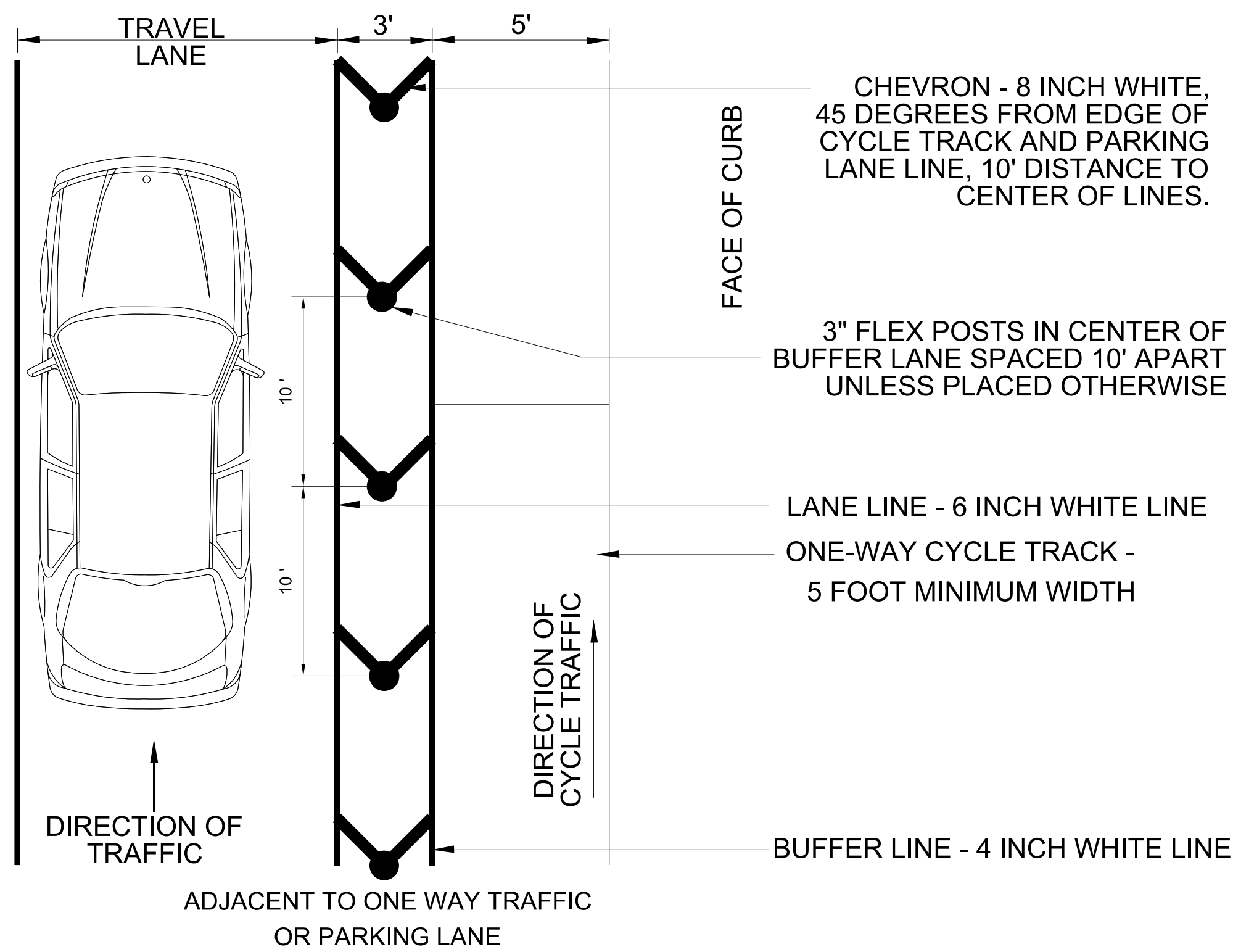
FILE _____

SHEET 14 OF 28

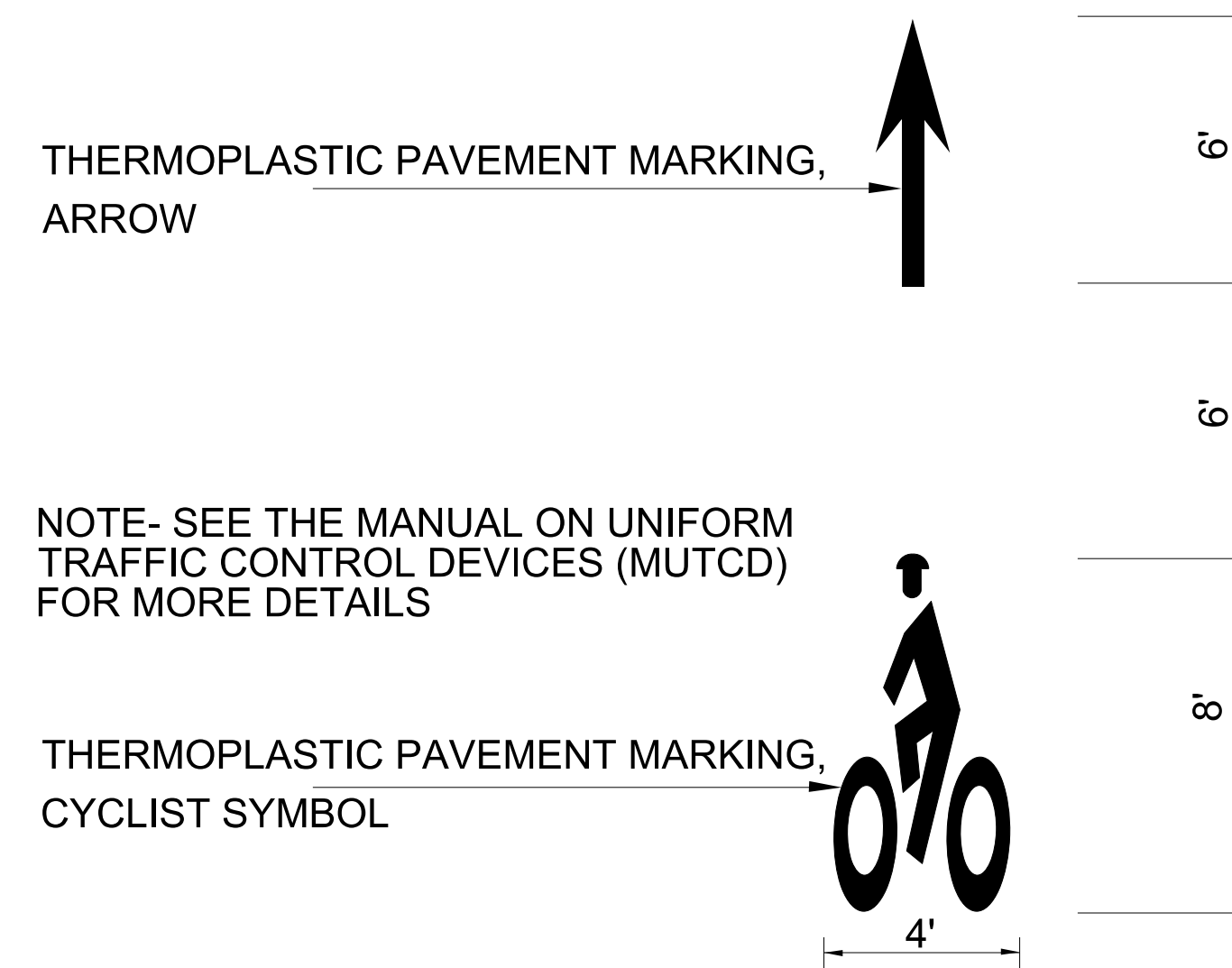
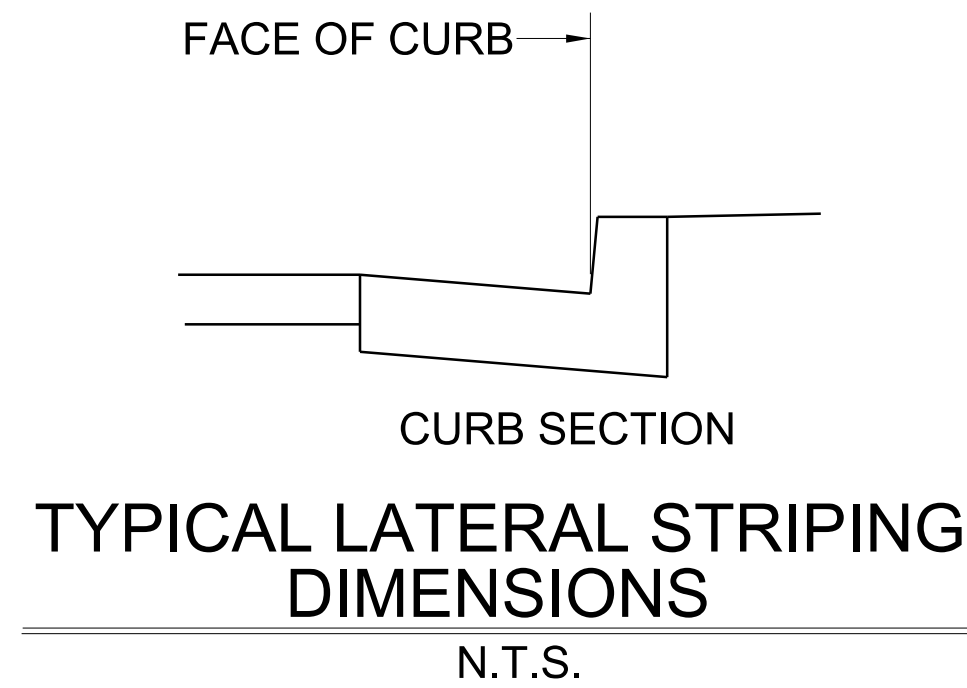


NO.	DESCRIPTION	NAME	DATE
1	MEDIAN CURB CUT DETAIL	IPM	08 / 20 / 2013

REVISIONS

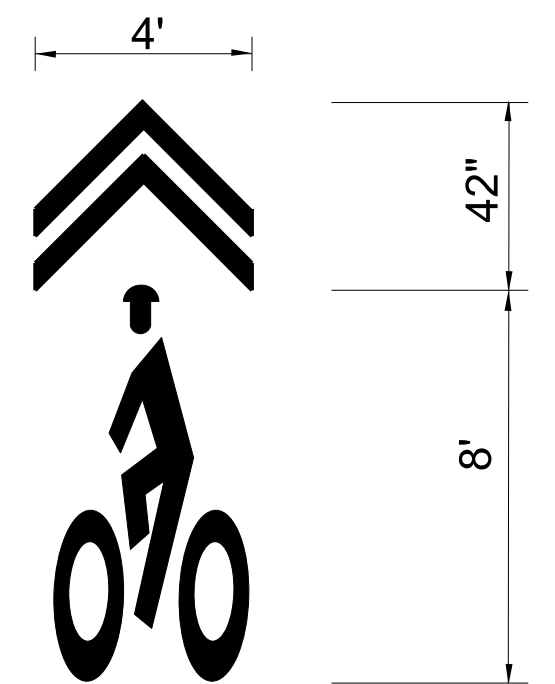


NOTE:
1. LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT FACE OF CURB OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE DRAWINGS.



BICYCLE LANE SYMBOL
N.T.S.

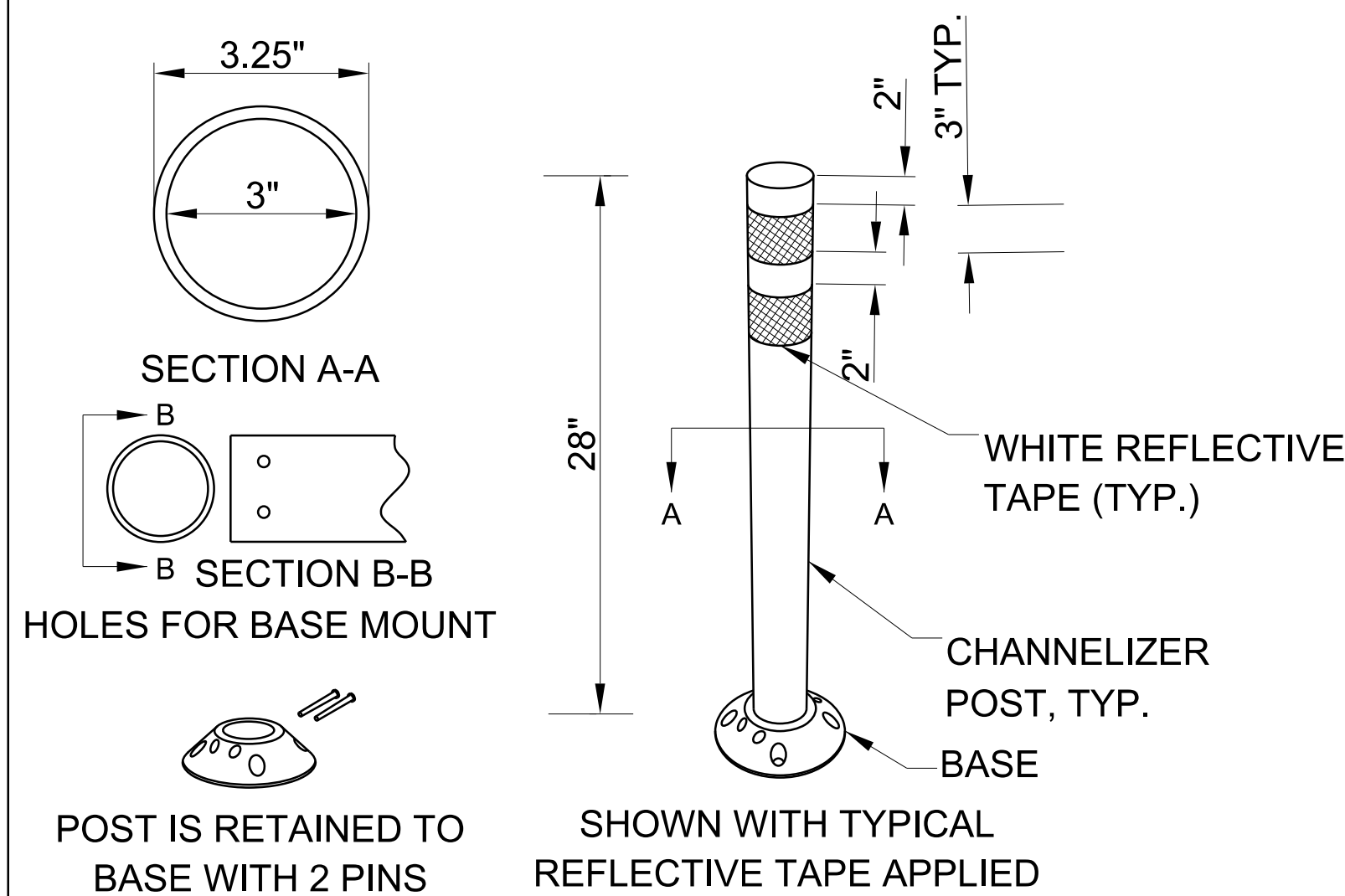
NOTE:
SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS



SHARED LANE SYMBOL
N.T.S.

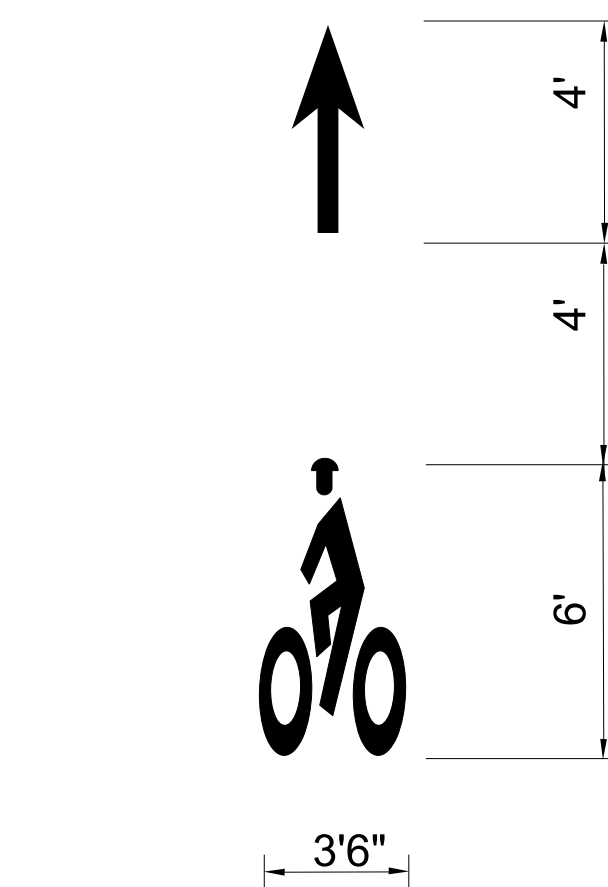
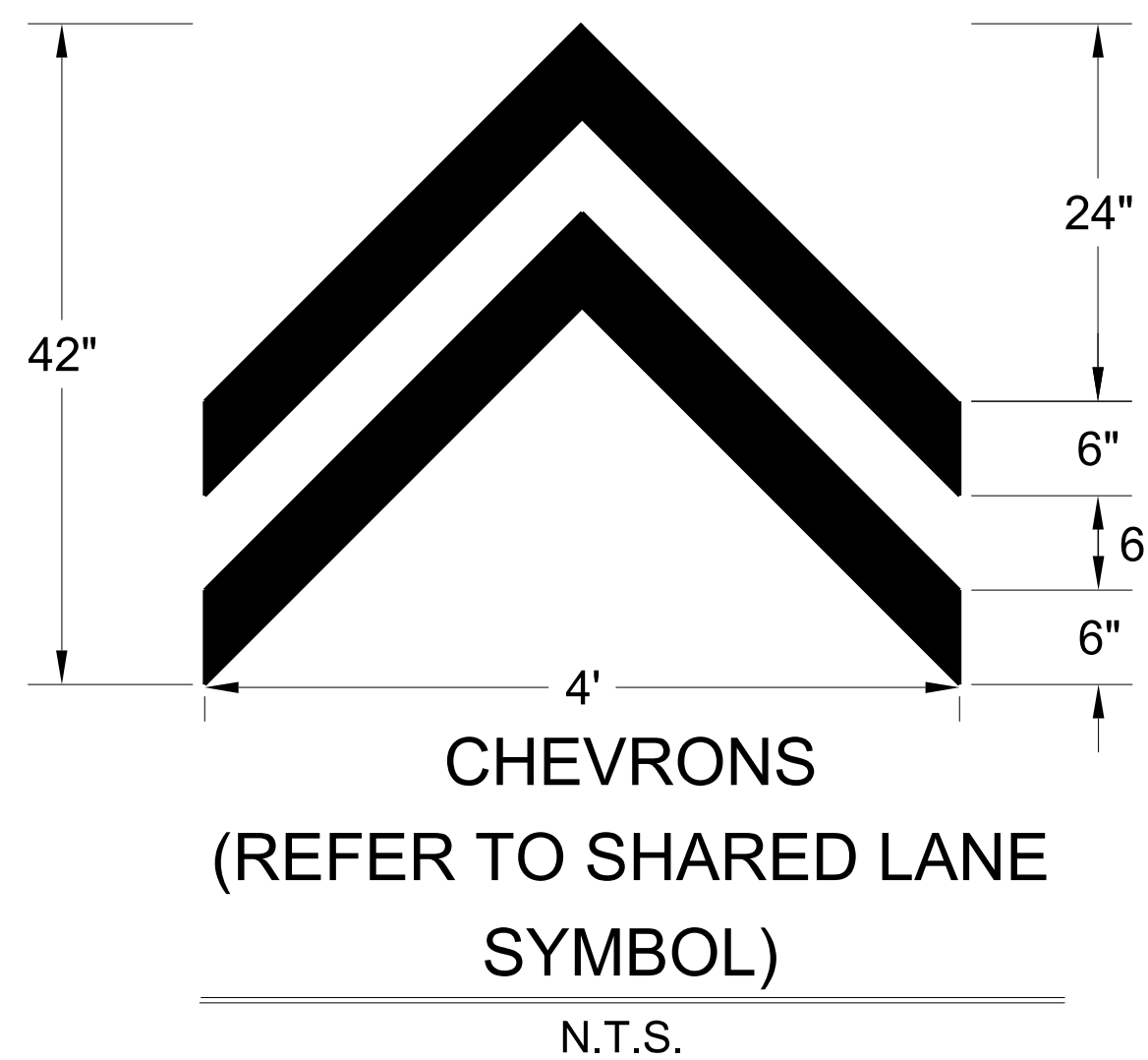
CYCLE TRACK SYMBOL PLACEMENT NOTES:

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

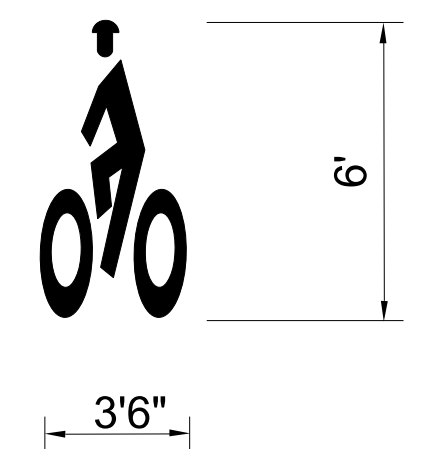


28" WHITE FLEXIBLE CHANNELIZER POST DETAIL

N.T.S.



BIKE LANE SYMBOL IN LT/THRU LANES
N.T.S.



BIKE LANE SYMBOL IN BIKE BOXES
N.T.S.

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

PROJECT ENG. GPY
DESIGNED BY GPY
CHECKED BY MJG
DRAWN BY GPY
PROJECT MGR. MJG

DIVISION CHIEF

DETAIL SHEET - 2

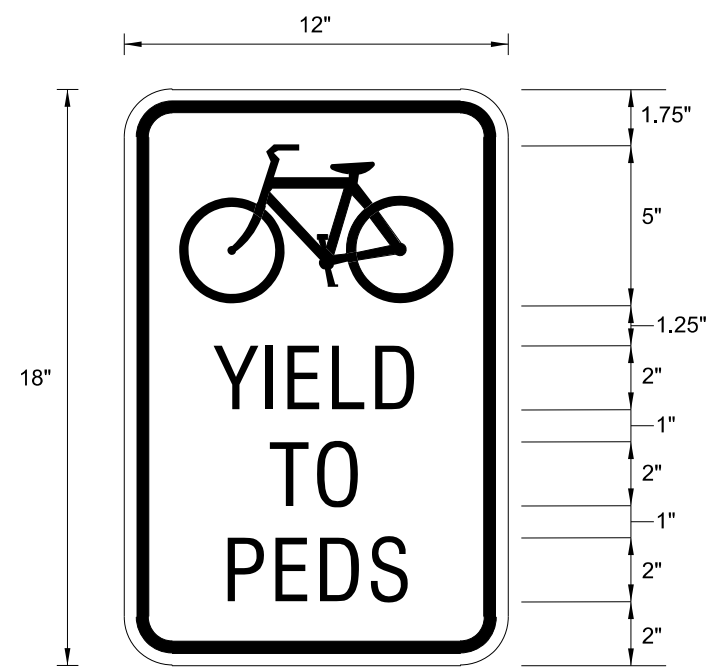
DATE DECEMBER 18, 2013
FILE
SHEET 04 OF 28



1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13
NO.	DESCRIPTION	NAME	DATE
REVISIONS			

- 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.

SIGN NUMBER	R9-6
FONT	C 2000
WIDTH x HGHT.	12" x 18"
BORDER WIDTH	0.375"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black



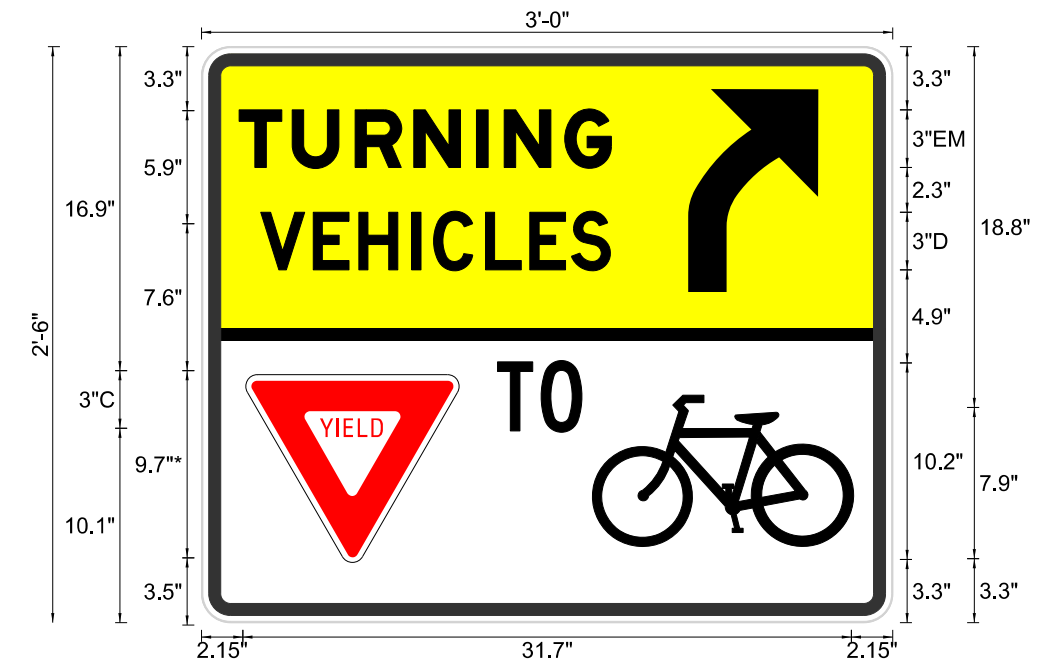
R9-6
N.T.S.

SIGN NUMBER	R4-11
FONT	D 2000
WIDTH x HGHT.	30" x 30"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

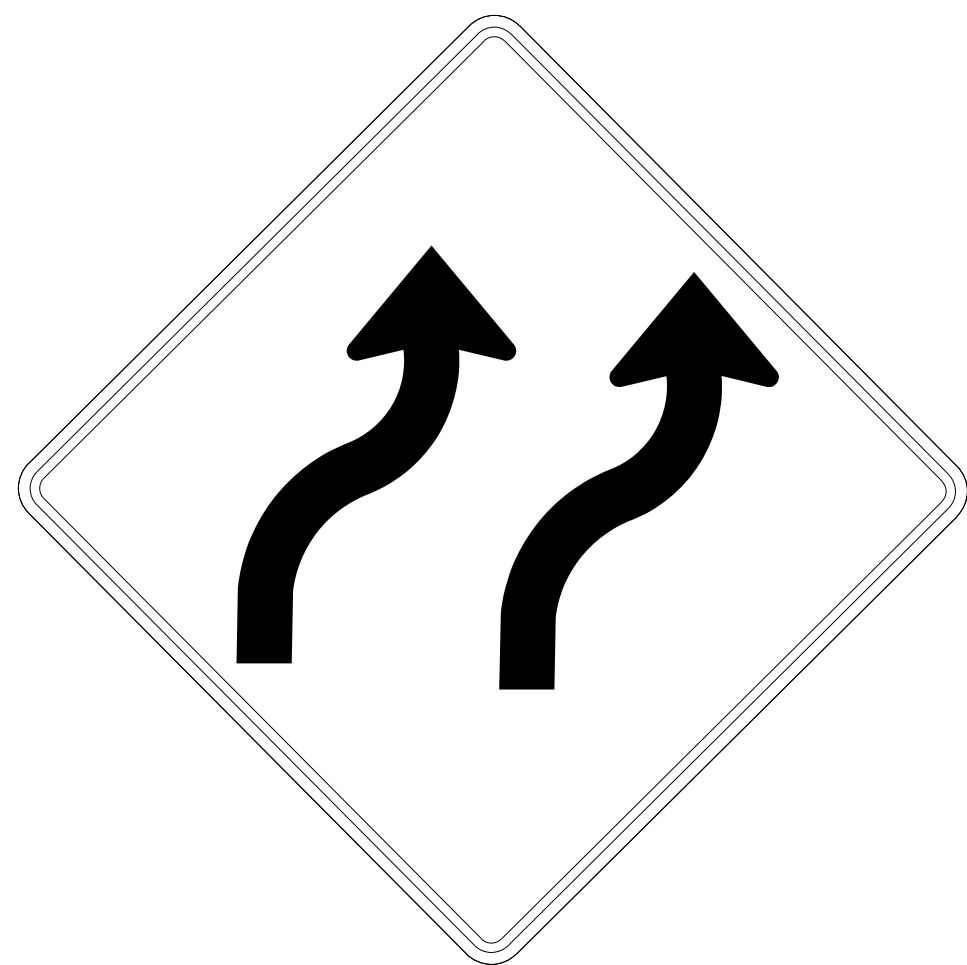


R4-11
N.T.S.

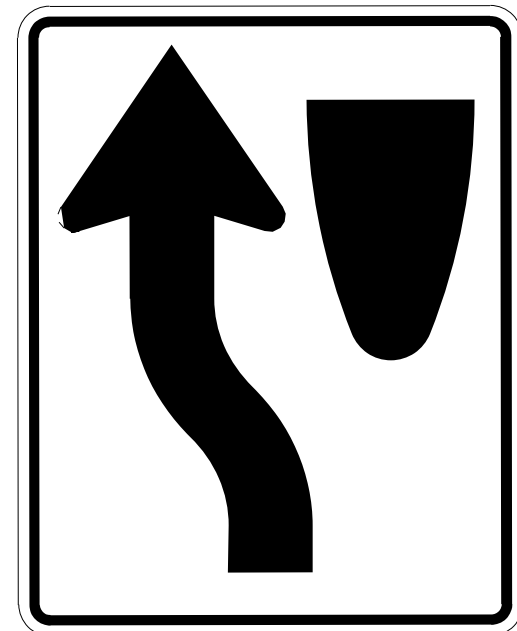
SIGN NUMBER	R10-15b (R) MOD
WIDTH x HGHT.	3'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White/Yellow
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black



R10-15
N.T.S.



W4-1b
30" x 30"
N.T.S.



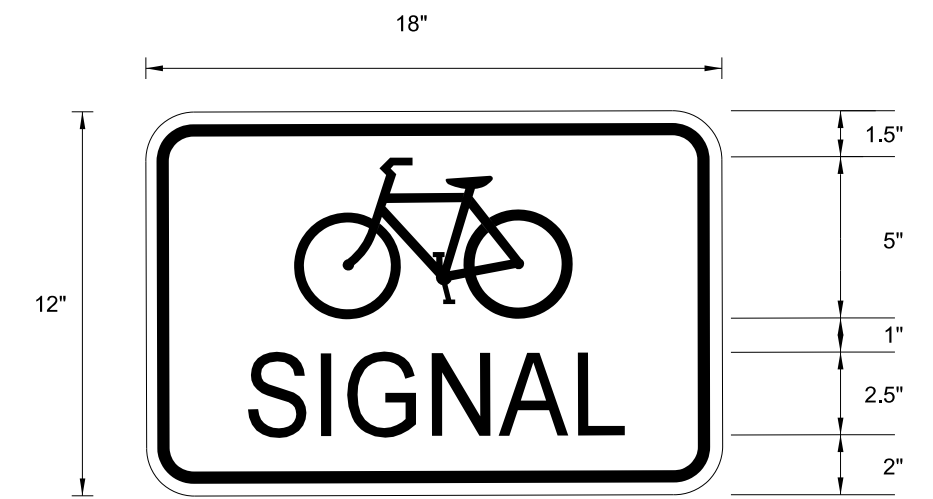
R4-8
24" x 18"
N.T.S.

SIGN NUMBER	CUSTOM
FONT	C 2000
WIDTH x HGHT.	12" x 18"
BORDER WIDTH	0.375"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black



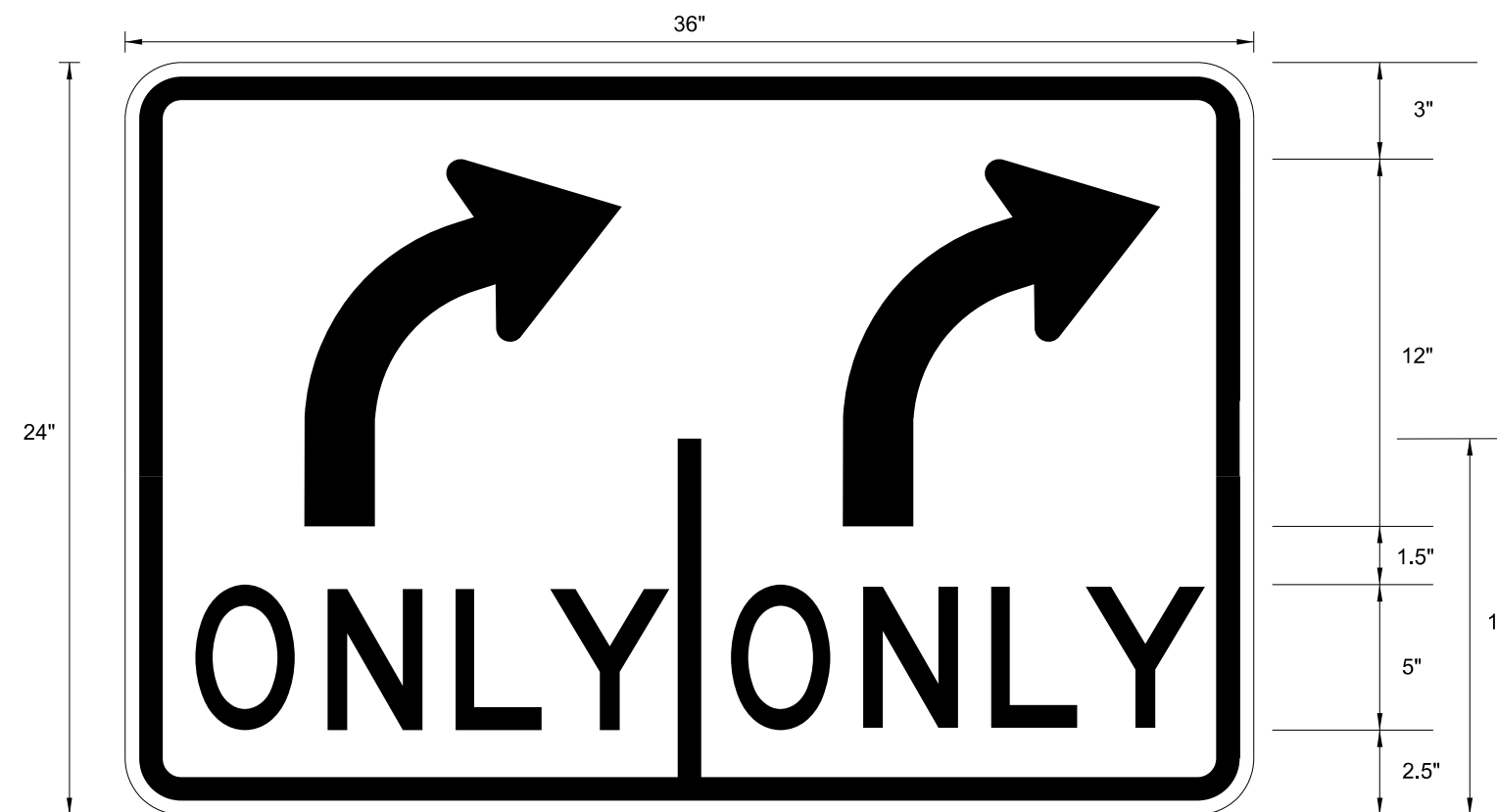
CUSTOM
N.T.S.

SIGN NUMBER	CUSTOM
FONT	C 2000
WIDTH x HGHT.	12" x 18"
BORDER WIDTH	0.375"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black



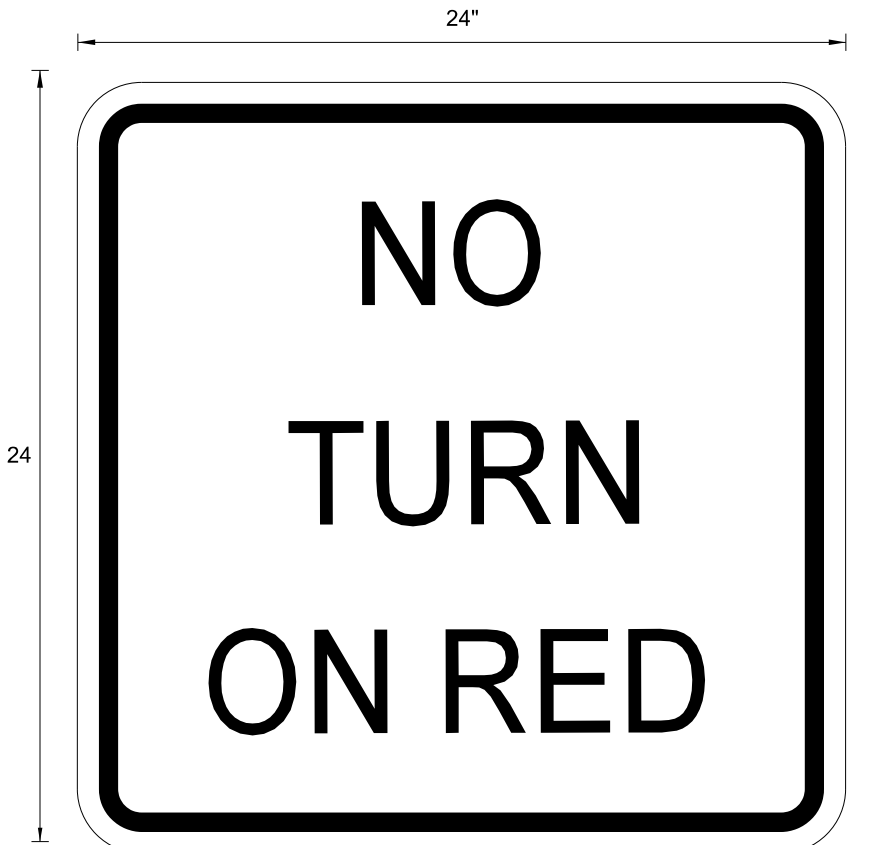
CUSTOM
N.T.S.

SIGN NUMBER	R3-8 - variable
FONT	D 2000
WIDTH x HGHT.	36" x 24"
BORDER WIDTH	0.875"
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

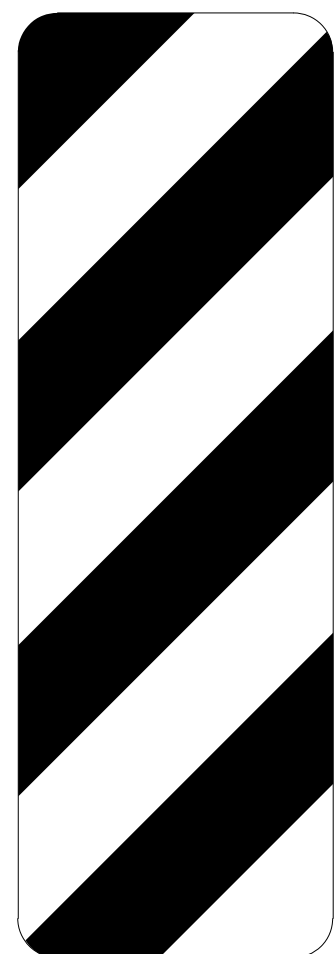


R3-8 (R)
N.T.S.

SIGN NUMBER	R10-11b
FONT	N/A
WIDTH x HGHT.	24" x 24"
BORDER WIDTH	0.875"
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black Red



R10-11b
N.T.S.



OM-3R
36" x 12"
N.T.S.

SIGN DETAILS



1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13
NO.	DESCRIPTION	NAME	DATE

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

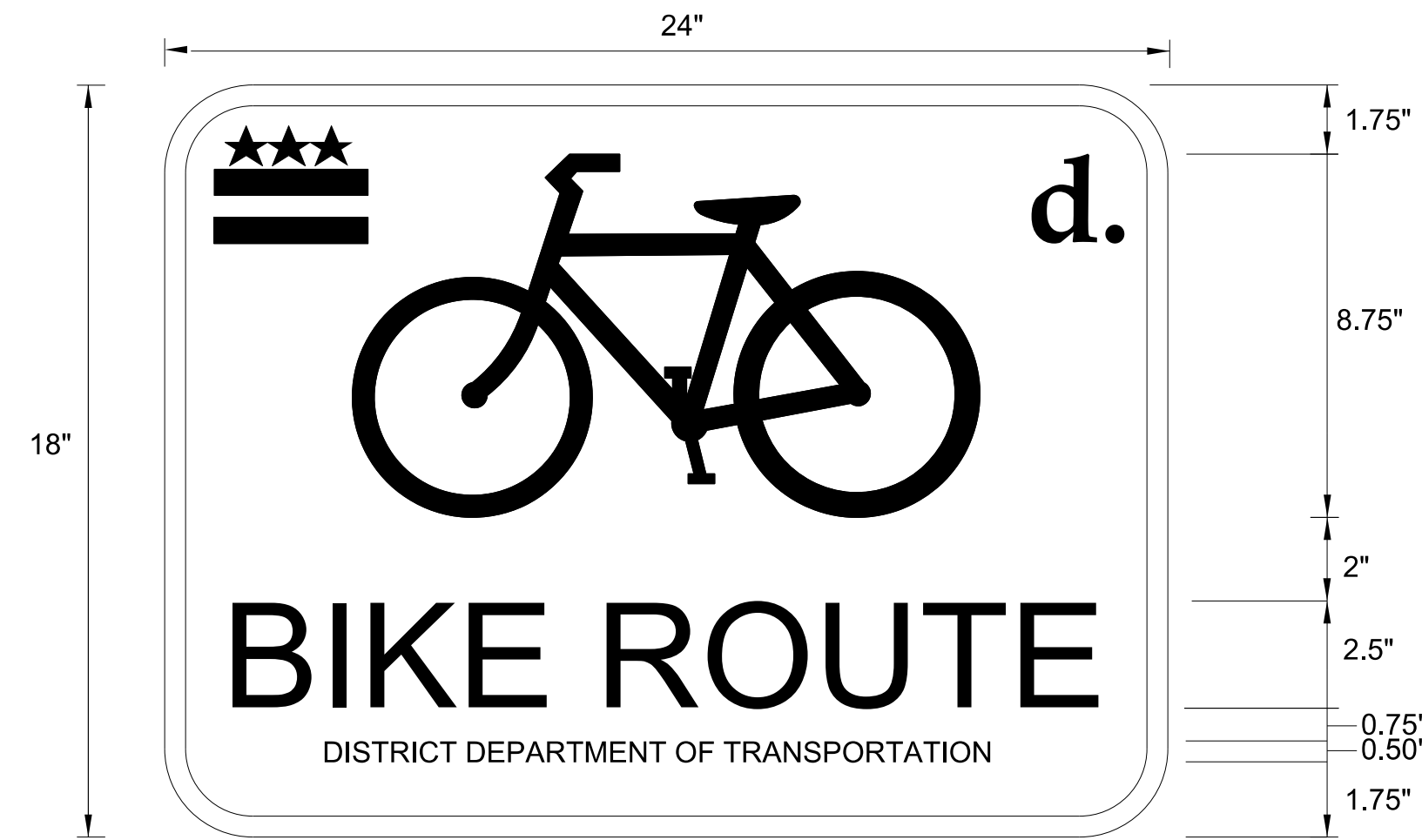
PROJECT ENG.	GPY
DESIGNED BY	GPY
CHECKED BY	MJG
DRAWN BY	GPY
PROJECT MGR.	MJG

DIVISION CHIEF

DETAIL SHEET - 3

DATE	DECEMBER 18, 2013
FILE	
SHEET	05 OF 28

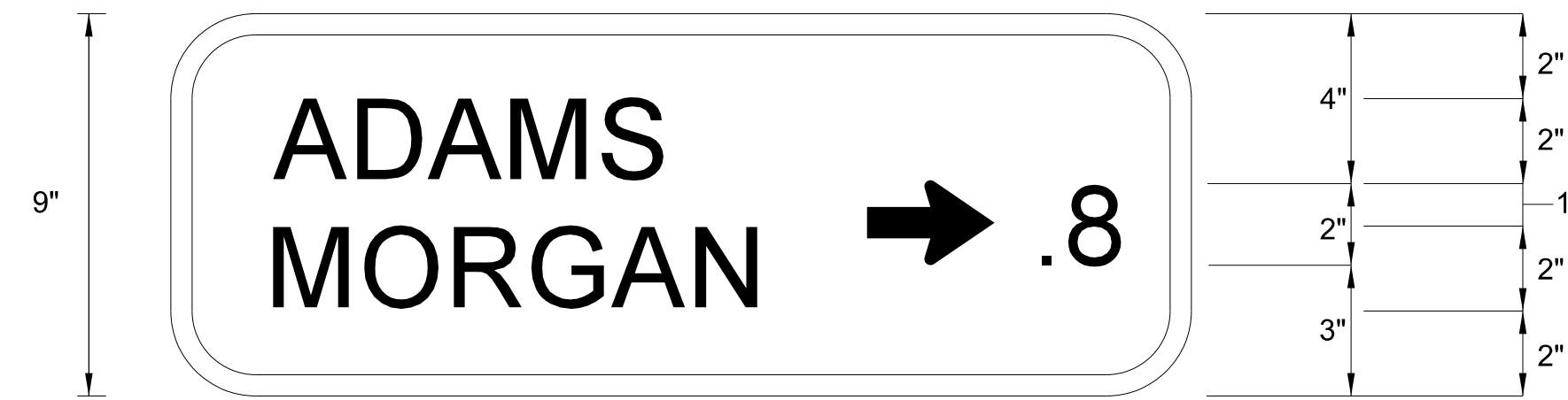
SIGN NUMBER	D11-1
FONT	C 2000
WIDTH x HGHT.	24" x 18"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White/Yellow Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



D11-1 - DC BIKE ROUTE

N.T.S.

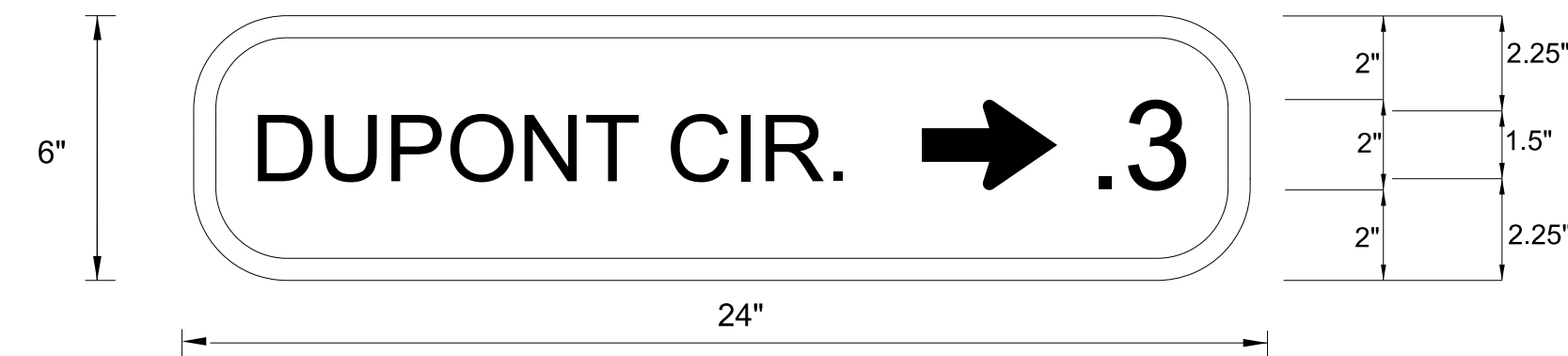
SIGN NUMBER	D1-1
FONT	C 2000
WIDTH x HGHT.	24" x 9"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White/Yellow Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



D1-1 - "ADAMS MORGAN" SUBPLATE

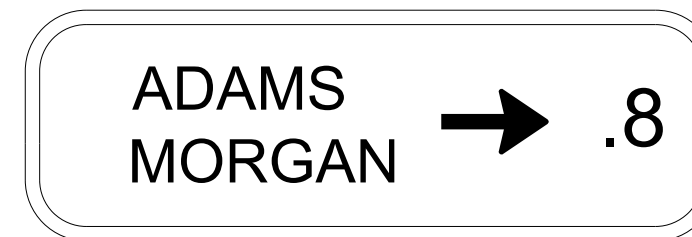
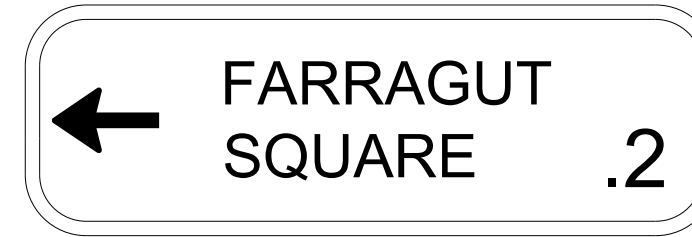
N.T.S.

SIGN NUMBER	D1-1
FONT	C 2000
WIDTH x HGHT.	24" x 6"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White/Yellow Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



D1-1 - "TAKOMA" SUBPLATE

N.T.S.



D1-1 - 6" SUBPLATES

N.T.S.

D1-1 and D1-1a - 9" SUBPLATES

N.T.S.

BIKE ROUTE SIGN DETAILS



NO.	DESCRIPTION	NAME	DATE
1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

PROJECT ENG. GPY
DESIGNED BY GPY
CHECKED BY MJG
DRAWN BY GPY
PROJECT MGR. MJG

DIVISION CHIEF

DETAIL SHEET - 4

DATE DECEMBER 18, 2013
FILE
SHEET 06 OF 28



PARKING SIGN LEGEND



NO.	DESCRIPTION	NAME	DATE
1	PLAN UPDATED TO REFLECT NEW HAMPSHIRE AVE CONSTRUCTION	MJG	12 /12 /13
2	PLAN UPDATED TO REFLECT CHANGES TO PARKING SIGNS	GPY	12 /18 /13

FINAL SUBMITTAL: DECEMBER, 2013

D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM

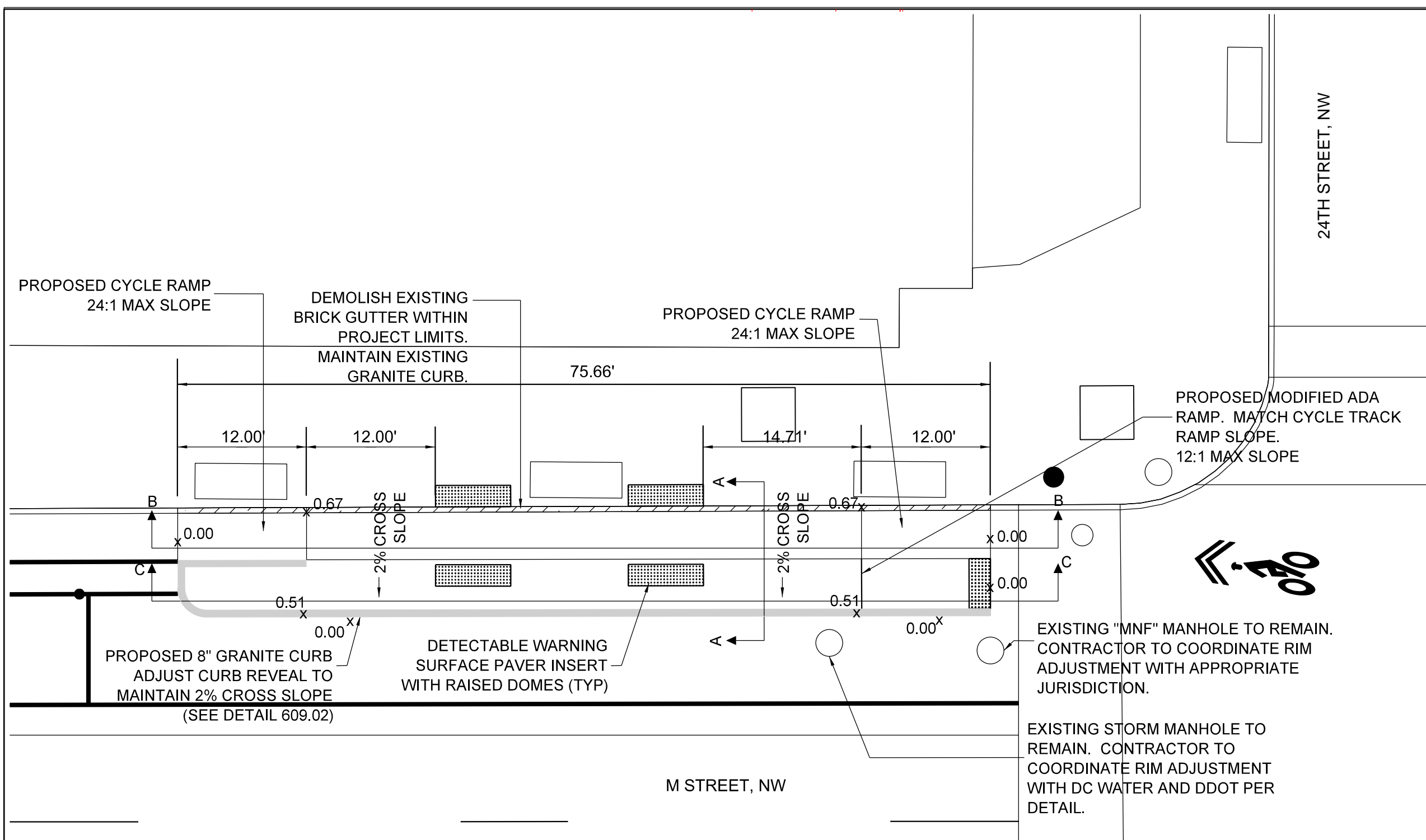
M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.

PROJECT ENG.	GPY
DESIGNED BY	GPY
CHECKED BY	MJG
DRAWN BY	GPY
PROJECT MGR.	MJG

DIVISION CHIEF

DETAIL SHEET - 5

DATE	DECEMBER 18, 2013
FILE	
SHEET	07 OF 28



NOTE: CURB ELEVATIONS ARE RELATIVE TO EXISTING SIDEWALK AND ROADWAY ELEVATIONS.

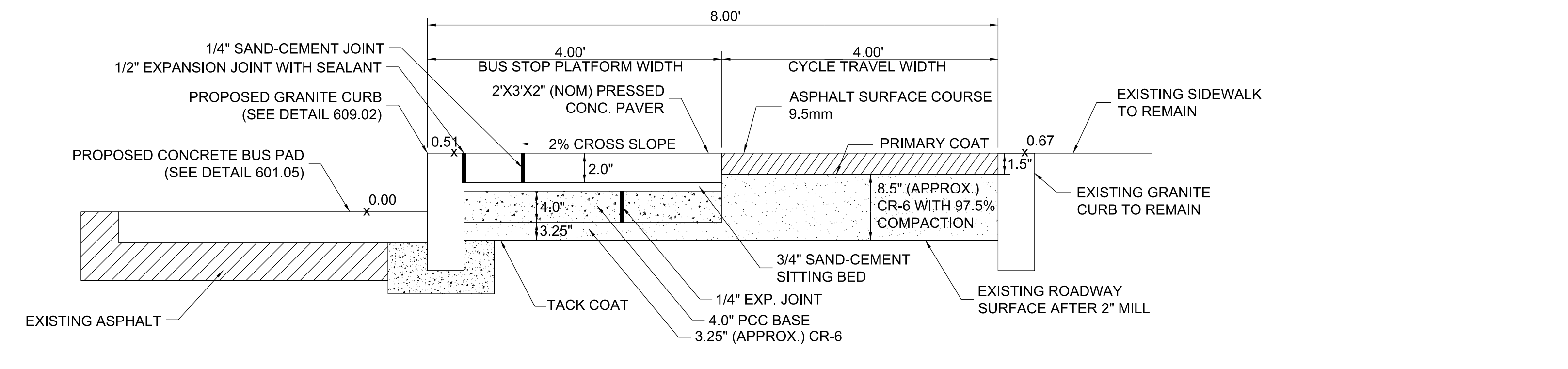
TOP OF PROPOSED CURB SHALL MATCH EXISTING TOP OF CURB ELEVATIONS AFTER 2% CROSS SLOPE ADJUSTMENT. FACE OF CURB REVEAL SHALL ADJUST FOR CROSS SLOPE AS WELL.

PLAN VIEW: 24TH STREET NW AND M STREET NW
SEE SHEET- 19 FOR COMPLETE PLAN VIEW

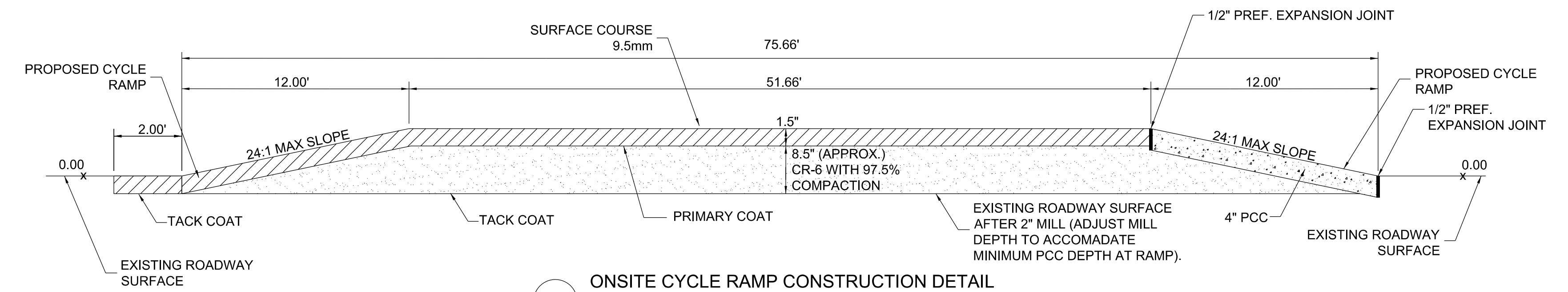
SCALE: 1"=20'

LEGEND:

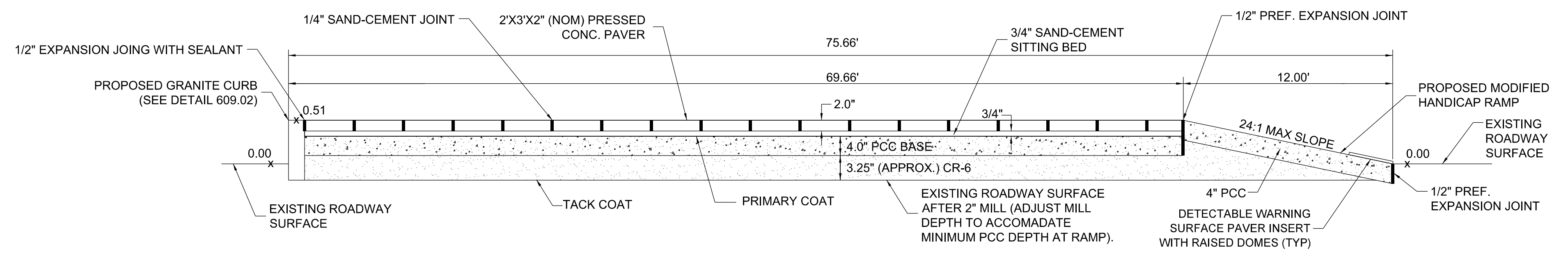
- PROPOSED CURB
- PROPOSED ASPHALT
- TO DEMOLISH
- PROPOSED CR-6
- RELALITVE PROPOSED ELEVATION



A ONSITE MEDIAN CONSTRUCTION DETAIL
SCALE: N.T.S.



B ONSITE CYCLE RAMP CONSTRUCTION DETAIL
SCALE: N.T.S.



C ONSITE CYCLE RAMP CONSTRUCTION DETAIL
SCALE: N.T.S.

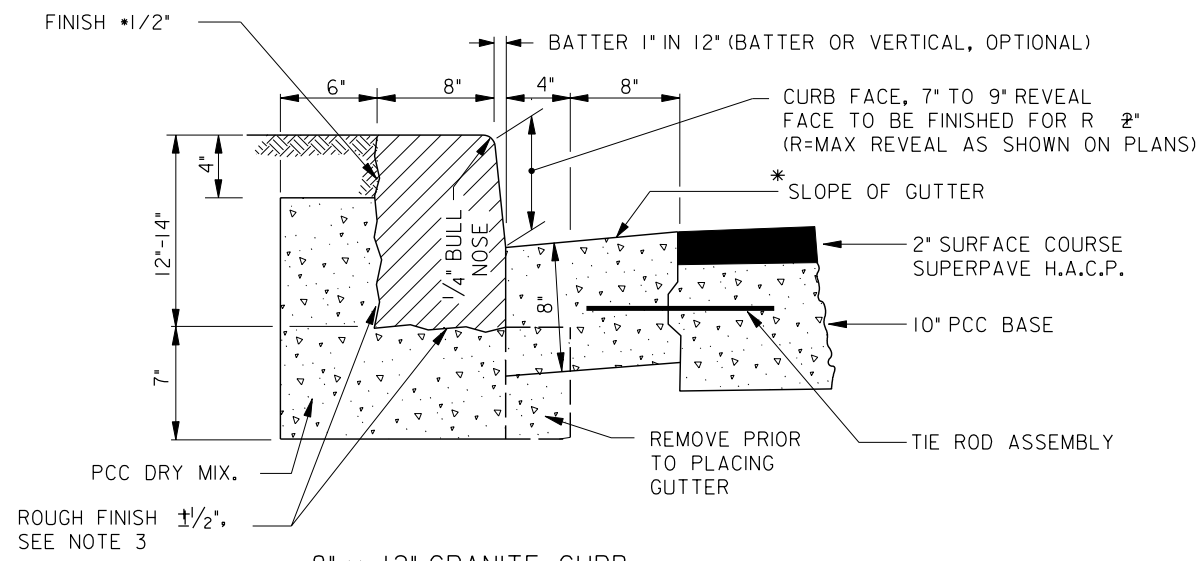
**D.C. DEPARTMENT OF TRANSPORTATION
POLICY, PLANNING, AND SUSTAINABILITY ADMINISTRATION
BICYCLE AND PEDESTRIAN PROGRAM**

**M ST, N.W. CYCLE TRACK PROJECT
FROM PENNSYLVANIA AVE, N.W.,
TO MASSACHUSETTS AVE, N.W.**

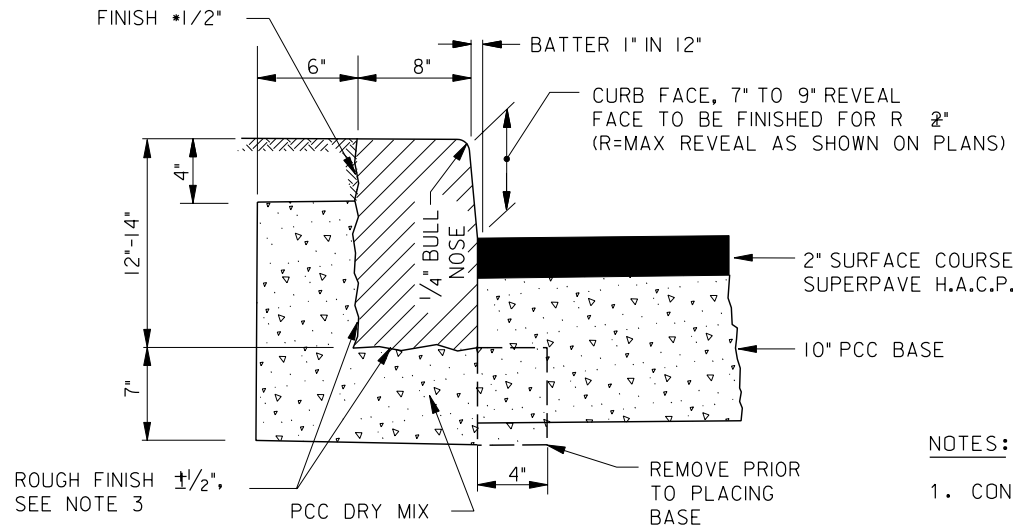
PROJECT ENG. <u>IPM</u>	DESIGNED BY <u>RCS</u>
CHECKED BY <u>RCS</u>	DRAWN BY <u>IPM</u>
PROJECT MGR. <u>RCS</u>	
DIVISION CHIEF	
DATE <u>08/20/2013</u>	
FILE _____	
SHEET <u>9</u> OF <u>28</u>	



NO.	DESCRIPTION	NAME	DATE
1	BIKE LANE AND BUS PAD DETAIL	IPM	08/20/2013



8" x 12" GRANITE CURB
(WITH PCC GUTTER)



8" x 12" GRANITE CURB
(WITHOUT PCC GUTTER)

NOTES:

1. CONDITIONS AT BACK OF CURB VARY AND ARE AS SHOWN ON THE CONTRACT PLANS.
2. PCC DRY MIX SHALL BE PER DDOT STANDARD SPECIFICATIONS, SECTION 801. IT SHALL MAINTAIN THE SAME TIME LIMITS AS PCC AND SHALL BE WATERED DOWN AFTER SETTING OF GRANITE CURB.
3. THE MINIMUM DEPTH TO CONCAVE SURFACE ON ROUGH FINISH SHALL BE 10 IN.
4. GRANITE CURBS ARE SHOWN WITH A COMPOSITE PAVEMENT SECTION.
5. * LOW SIDE - 1 IN. PER FT. TOWARD CURB
* HIGH SIDE - 5/8 IN. PER FT. AWAY FROM CURB
6. A 6 IN. MIN. LAYER OF GRADED AGGREGATE BASE SHALL BE PLACED BENEATH THE ROADWAY AND CURB AND GUTTER AND IS NOT SHOWN FOR CLARITY.

p:\40315\dc_standard_drawings\final\UNCHANGED\609-02.DGN
Friday, April 03, 2009 11:28 PM

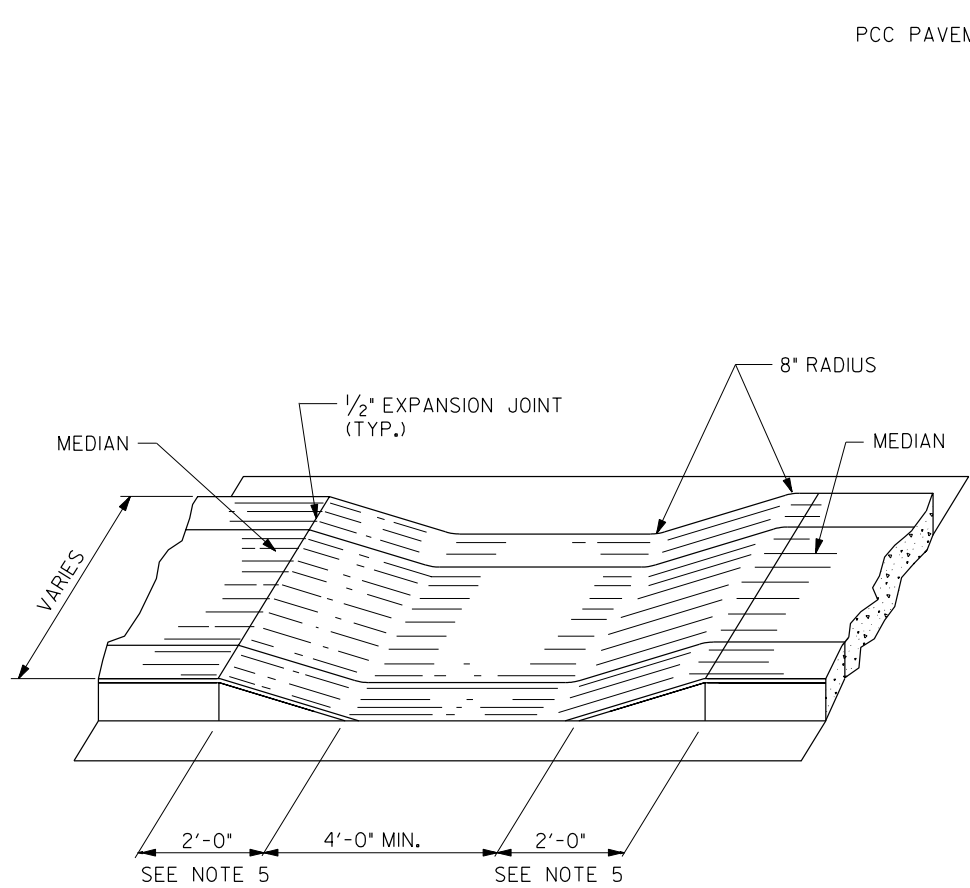
DATE	APPR.
REVISED	
ISSUED:	
REFERENCE	

RECOMMENDED: *[Signature]*
DEPUTY CHIEF ENGINEER

APPROVED: *[Signature]*
CHIEF TRANSPORTATION ENGINEER

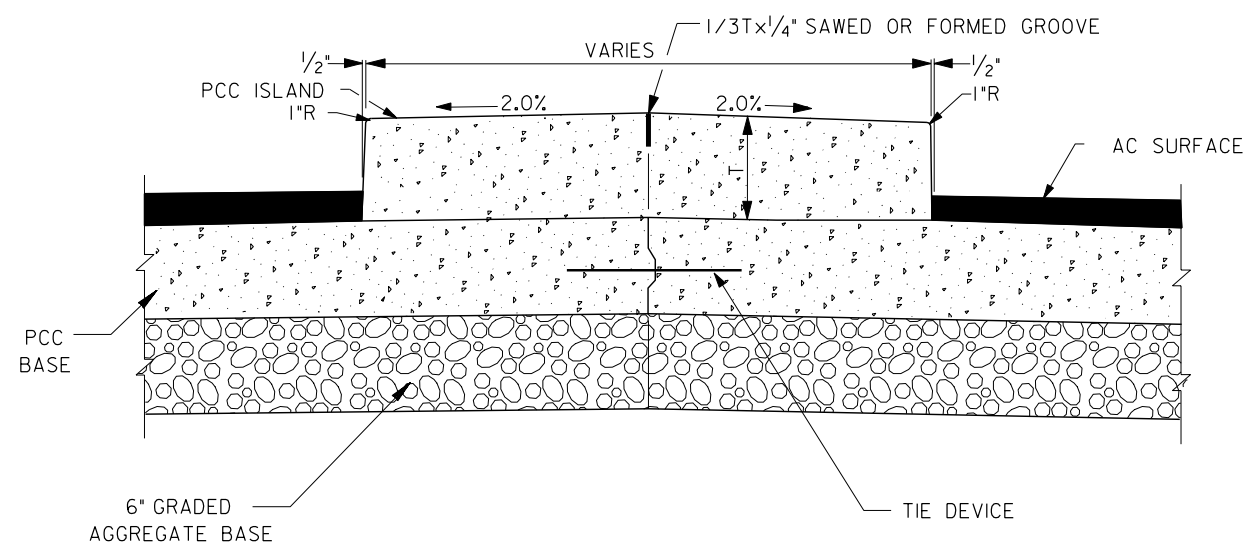
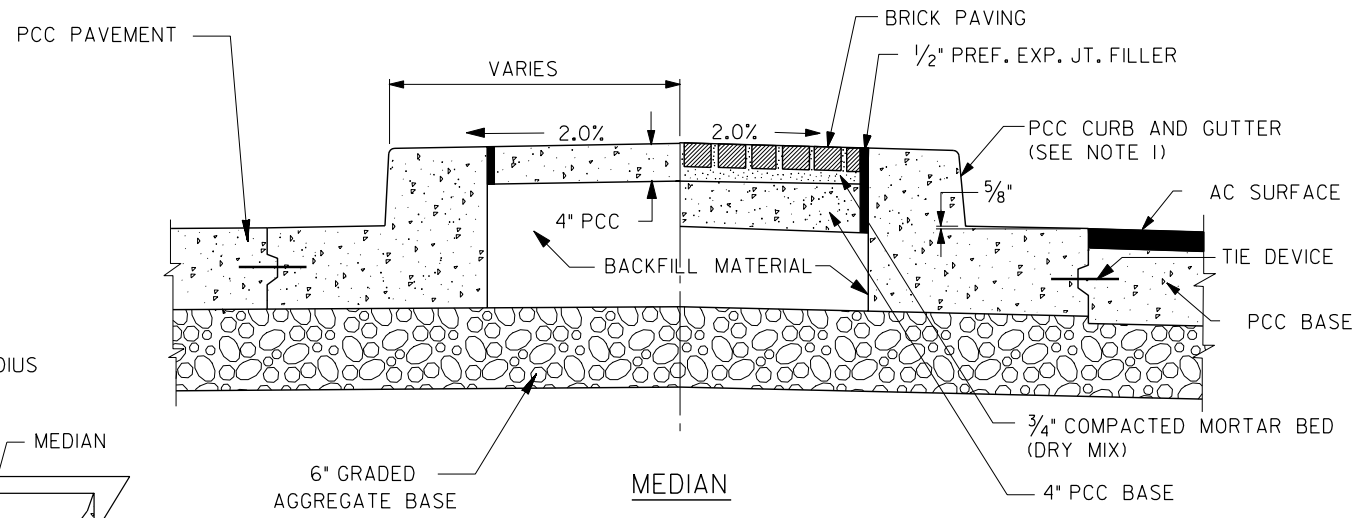
TYPES OF GRANITE CURBS

d. DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION



MEDIAN & ISLAND OPENINGS

- NOTES:
1. CURBS MAY BE GRANITE, SEE DDOT STANDARD DRAWING NO. 609.02.
 2. MEDIAN TREATMENT AS SHOWN ON THE CONTRACT PLANS.
 3. CURB HEIGHTS AS SHOWN ON THE CONTRACT PLANS. 7" CURB REVEAL TYPICAL.
 4. MIN. 2.00% CROSS SLOPE OR AS NOTED ON THE CONTRACT PLANS.
 5. 2'-0" MIN. OR AS SHOWN ON THE CONTRACT PLANS.



SUPERIMPOSED DIRECTIONAL ISLAND

p:\40315\dc_standard_drawings\final\UNCHANGED\601-03.dgn
 Friday, April 03, 2009 AT 12:16 PM

		RECOMMENDED:	<i>[Signature]</i> DEPUTY CHIEF ENGINEER
DATE	APPR.	APPROVED:	<i>[Signature]</i>
REVISED		ISSUED:	CHIEF TRANSPORTATION ENGINEER
		REFERENCE	

MEDIAN AND PEDESTRIAN REFUGE ISLAND DETAIL

d. DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

DWG. NO. 601.03 SHEET 11b OF 28

