

*CITY OF*  
**ALEXANDRIA**  
*Virginia*

*Office of Transit Services & Programs*  
*Department of Transportation & Environmental Services*

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*PLANS FOR:*

**COMPLETE STREETS:  
 PAVEMENT MARKING AND  
 SIGNAGE PLAN**

*JUNE 2013 - 100% SUBMITTAL*

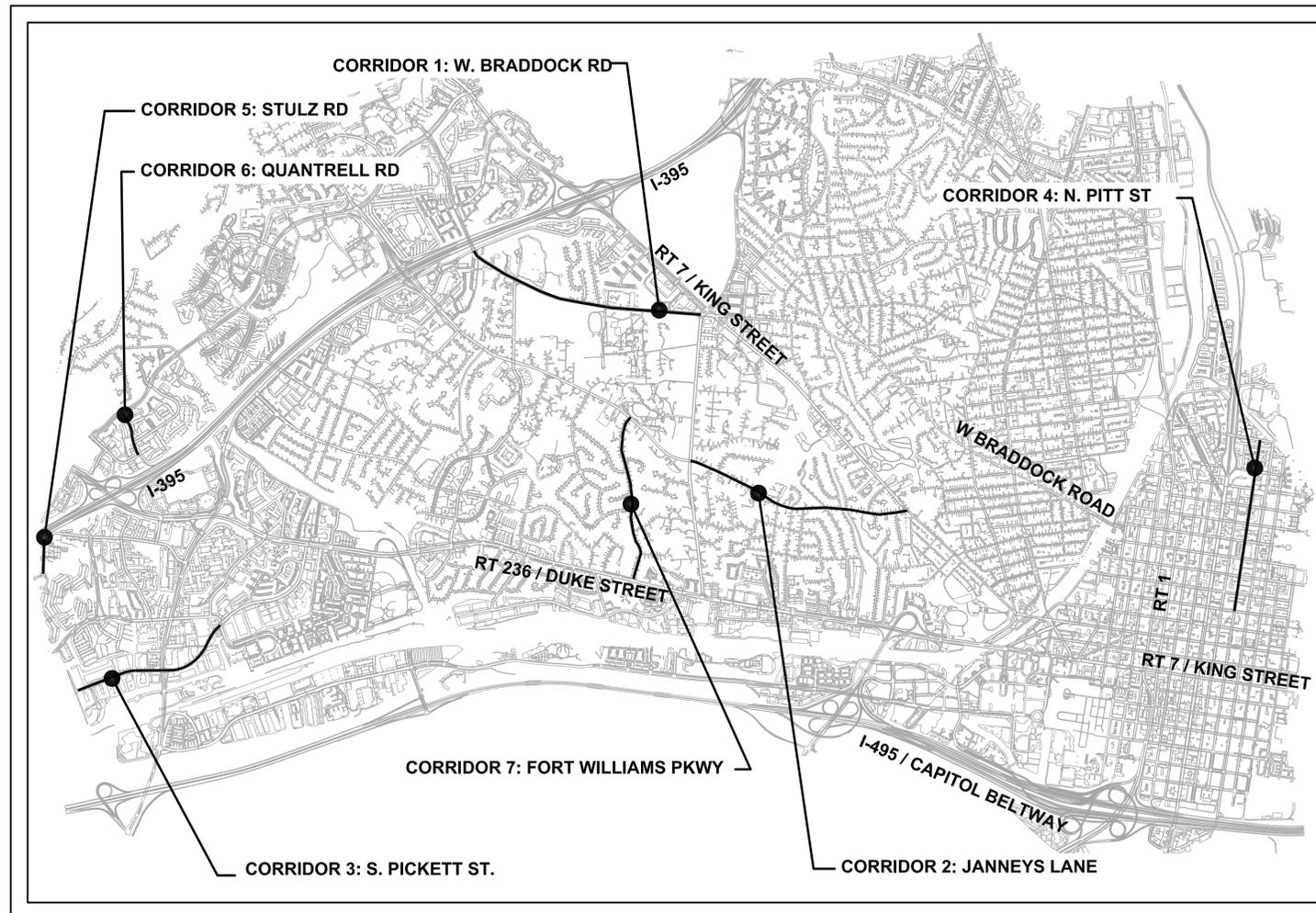
*SHEET INDEX*

KEY MAP ID	SHEET	TOTAL	DESCRIPTION
-	1	1	COVER SHEET
-	7	7	DETAILS AND GENERAL NOTES
-	8	8	SUMMARY OF QUANTITIES

		CORRIDOR	FROM	TO	LENGTH (MI.)
1	12	W. BRADDOCK ROAD	N. VAN DORN STREET	KING STREET	1.1
2	11	JANNEYS LANE	N. QUAKER LANE	KING STREET	1.0
3	9	S. PICKETT STREET	S. PICKETT STREET	EDSALL ROAD	0.8
4	9	N. PITT STREET	QUEEN STREET	BASHFORD LANE	0.8
5	2	STULZ ROAD	CUL-DE-SAC	STEVENSON AVENUE	0.2
6	3	QUANTRELL ROAD	LINCOLNIA AVENUE	N. BEAUREGARD STREET	0.2
7	8	FORT WILLIAMS PARKWAY	DUKE STREET	SEMINARY ROAD	0.8

*LOCATION MAP*

1"=2000'



## GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE GOVERNED BY THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES, ROAD DESIGN MANUAL, AND ROAD AND BRIDGE STANDARDS ISSUED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT).
2. BASE MAPPING WAS PREPARED FROM GIS DATA PROVIDED BY THE CITY OF ALEXANDRIA. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION. WHEN THESE PLANS ARE IN CONFLICT WITH ACTUAL SITE CONDITIONS, ANY DISCREPANCIES SHALL BE REPORTED TO THE CITY ENGINEER PRIOR TO BEGINNING WORK. PROPOSED STRIPING AND SIGNS MAY BE ADJUSTED AS DIRECTED BY THE CITY ENGINEER.
3. 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.
4. 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 CITY ENGINEER ANY OTHER DAMAGE SO CAUSED.

## SIGNING AND PAVEMENT MARKINGS

5. ALL STRIPING AND SIGN WORK SHALL MEET ALL APPLICABLE VDOT, AND CITY OF ALEXANDRIA STANDARDS AND SPECIFICATIONS, AND 2009 MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD) REQUIREMENTS.
6. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
7. ALL EXISTING PAVEMENT MARKINGS MAY NOT BE SHOWN. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE ERADICATED.
8. PARKING ZONE STRIPING - 4" SOLID WHITE TRANSVERSE PARKING LINES SHALL MATCH PARKING REGULATION SIGNS, WHERE PRESENT. IF NO SIGNS ARE PRESENT, LINES SHALL BE LOCATED ACCORDING TO CITY OF ALEXANDRIA PARKING REGULATIONS, OR AS DIRECTED BY THE CITY ENGINEER.
9. DRIVEWAYS - NOT ALL DRIVEWAYS HAVE BEEN LOCATED FOR THIS STRIPING PLAN. FIELD VERIFY DRIVEWAY LOCATIONS BEFORE APPLYING STRIPING.
10. ALL SIGNS SHALL BE HIGH INTENSITY SHEETING MEETING THE REQUIREMENTS OF AASHTO M268.
11. 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.
12. 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.
13. PROPOSED SIGNS AT NEW LOCATIONS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
14. PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.
15. FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THERE ARE NO CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.
16. 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 CITY ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

18. 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.
19. ALL SIGN LOCATIONS SHOWN ON THE PLANS ARE SCHEMATIC AND MAY NOT REFLECT ACTUAL FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY EACH LOCATION PRIOR TO INSTALLING A SIGN. IF AT ANY POINT THE CONTRACTOR FINDS A CONFLICT, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER PRIOR TO INSTALLING THE PROPOSED SIGN. PROPOSED SIGN LOCATIONS CAN BE ADJUSTED AS APPROVED BY THE CITY ENGINEER.

## MAINTENANCE OF TRAFFIC

20. MUTCD, VDOT AND CITY OF ALEXANDRIA STANDARD DETAILS AND PROCEDURES FOR MAINTENANCE OF TRAFFIC SHALL BE USED FOR INSTALLATION OF SIGNS AND PAVEMENT MARKINGS.
21. ALL EXISTING RESIDENTIAL AND COMMERCIAL DRIVEWAYS AND PUBLIC ALLEY ENTRANCES SHALL REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
22. 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 VDOT AND MUTCD REQUIREMENTS FOR SHORT-TERM STATIONARY WORK AND MOBILE WORK.
23. 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 VDOT AND MUTCD REQUIREMENTS FOR INTERMEDIATE-TERM STATIONARY WORK.
24. THE SIDEWALKS AND CROSSWALKS MUST REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
25. SIGNS SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK AND REMOVED IMMEDIATELY AFTER COMPLETION OF ACTIVITIES.
26. FULL VIEW OF ADVANCE WARNING SIGNS SHALL BE CLEAR OF OBSTRUCTION ON APPROACH TO WORK ZONE.
27. THE CONTRACTOR SHALL OBTAIN THE NECESSARY NOISE PERMIT FOR WEEKEND AND NIGHT-TIME WORK.
28. ALL AFFECTED TRAVEL LANES SHALL MAINTAIN A 10-FOOT MINIMUM WIDTH UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

## DETAIL OF PAVEMENT MARKINGS (IF SHOWN)

### ROADWAY

1. APPROACH LANE LINES TO A SIGNALIZED INTERSECTION
  - A. FOUR INCH WIDE, SOLID WHITE LINES. BEGIN AT STOP LINE AND CONTINUE FOR NINETY FEET UNLESS OTHERWISE NOTED.
2. BROKEN 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. DASH LINES STOP ONE FOOT BEFORE CROSSWALK BACK EDGE LINE.
3. DASHED LINES
  - A. SINGLE DASHED WHITE LINE: FOUR INCHES WIDE, TWO FEET LONG SOLID WHITE; SKIP SPACES FOUR FEET LONG.
  - B. DOUBLE YELLOW LINE: FOUR INCHES WIDE, LOCATED FOUR INCHES APART; SKIP SPACES, FOUR FEET LONG.
4. ARROW OR TEXT MARKINGS
  - A. SPACED THIRTY-TWO FEET APART, UNLESS OTHERWISE NOTED. SPACED FIFTEEN FEET FROM CROSSWALK.

### BIKE LANES

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

### STOP LINES

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

### CROSSWALKS

2. PEDESTRIAN CROSSWALK - TEN FEET WIDE, UNLESS OTHERWISE NOTED.
  - A. EDGE LINES ONLY (CW) - SOLID WHITE LINES, SIX INCHES WIDE.
  - B. STRIPED CROSSWALKS - HIGH VISIBILITY CROSSWALKS (HVCW)= ONE FOOT WIDE WHITE STRIPES WITH THREE FOOT WIDE SPACING AND NO EDGELINES. MAKE STRIPES 45° TO CURB LINE OF STREET.
  - C. HIGH VISIBILITY SCHOOL ZONE CROSSWALKS (HVCW) = TWO FOOT WIDE WHITE STRIPES WITH TWO FOOT WIDE SPACING. MAKE STRIPES PARALLEL TO CURB LINE OF STREET.
  - D. 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

1. SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.

### NO PARKING ZONES/BUFFER

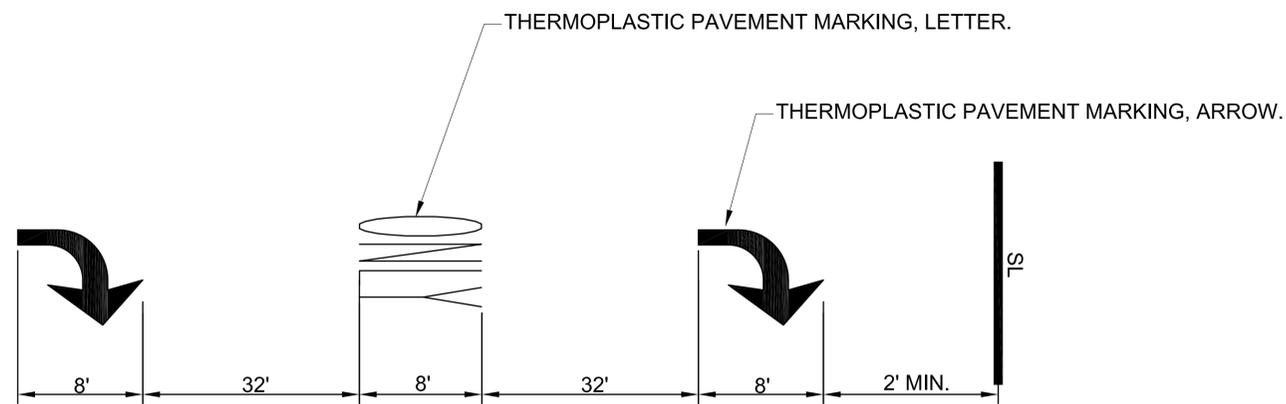
1. OUTER BUFFER/PARKING AISLE EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE, UNLESS OTHERWISE NOTED.
2. INNER BUFFER EDGE - SINGLE SOLID WHITE LINE, FOUR INCHES WIDE.
3. DIAGONAL OR CHEVRON BUFFER - SINGLE SOLID WHITE LINE, SIX INCHES WIDE, FORTY-FIVE DEGREE ANGLE, FIVE FOOT ON CENTER SPACING, UNLESS OTHERWISE NOTED.
4. PARKING RESTRICTED 15' FROM CENTER OF FIRE HYDRANTS IN BOTH LONGITUDINAL DIRECTIONS.

### REPAVING

1. REPAVING OF CORRIDORS WITHIN THIS PLAN SET ARE ASSUMED TO BE REPAVED TO THE EXTENT OF THE POINT OF CURVATURE OF THE CROSS STREET. IF PROPOSED MARKINGS DO NOT MEET THE LIMITS OF REPAVING, CONTRACTOR TO EXTEND PROPOSED MARKING TO MATCH THE EXISTING MARKINGS TIE-IN POINT.

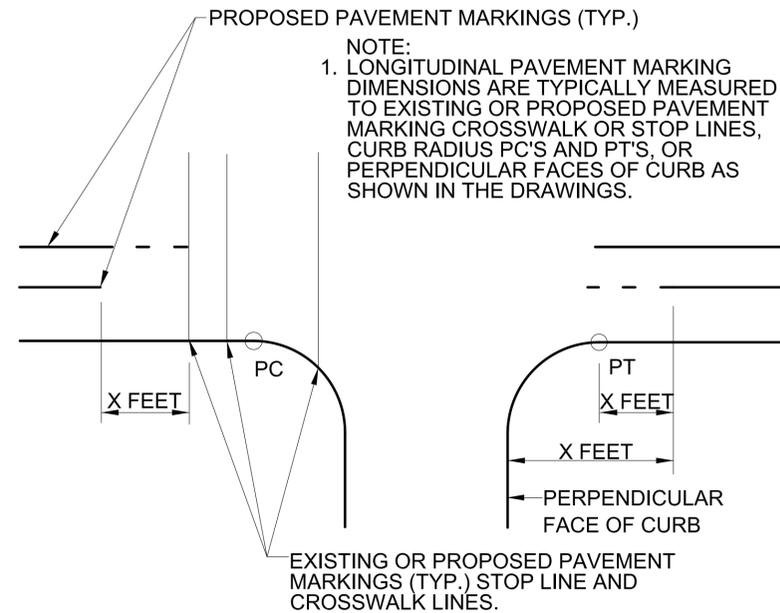
## MARKING LEGEND

EXISTING	PROPOSED	
	BE	BEGIN ERADICATION
	EE	END ERADICATION
	ES	ERADICATE SYMBOL
		SIGN AND POST
		BICYCLE LANE SYMBOL
		SHARED LANE MARKING
	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" DASHED WHITE LINE (2' STRIPE, 4' SKIP)
	6" DWL	6" DASHED 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 DASHED 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" / 24" SL	12" / 24" STOP LINE
	CW	CROSSWALK WITH 6" SWL FOR PARALLEL LINES
	HVCW	HIGH VISIBILITY CROSSWALK WITH 12" SWL (3' O.C. AT 45° ALIGNED WITH CURB, UNLESS OTHERWISE NOTED)
	CW	HIGH VISIBILITY SCHOOL CROSSWALK WITH 6" SWL FOR PARALLEL LINES AND 24" 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
		EXISTING BUS STOP CONCRETE PAD
		BUS STOP



**PAVEMENT MARKING ARROW AND ONLY SYMBOL PLACEMENT, UNLESS OTHERWISE NOTED ON THE PLANS**

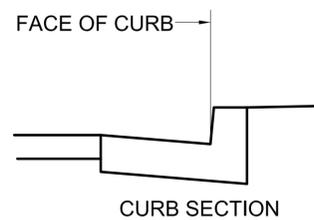
N.T.S.



**TYPICAL LONGITUDINAL STRIPING DIMENSIONS**

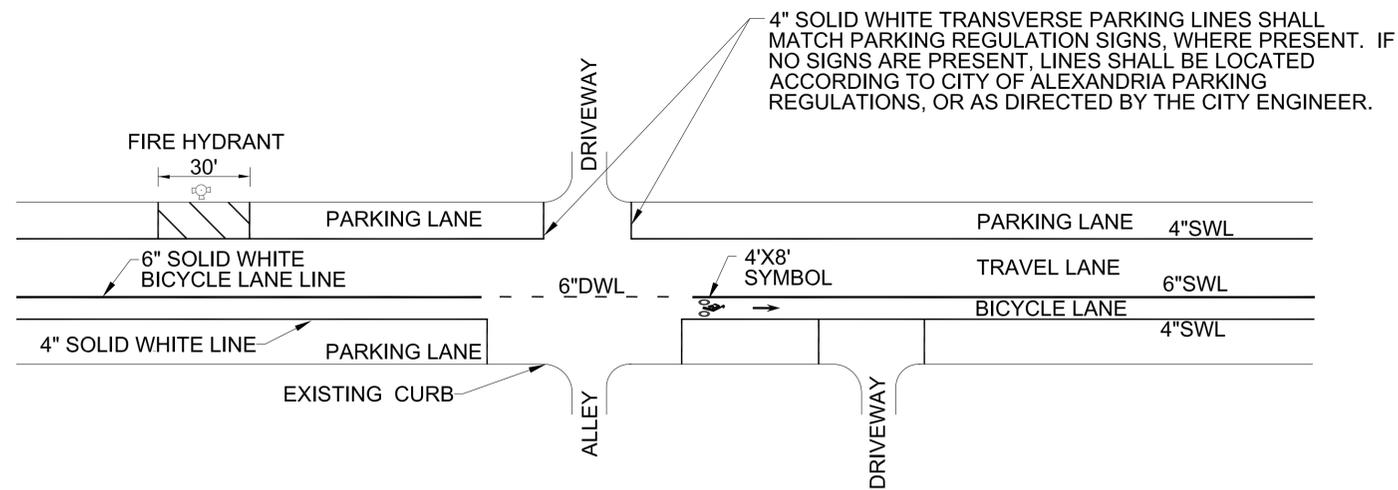
N.T.S.

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.



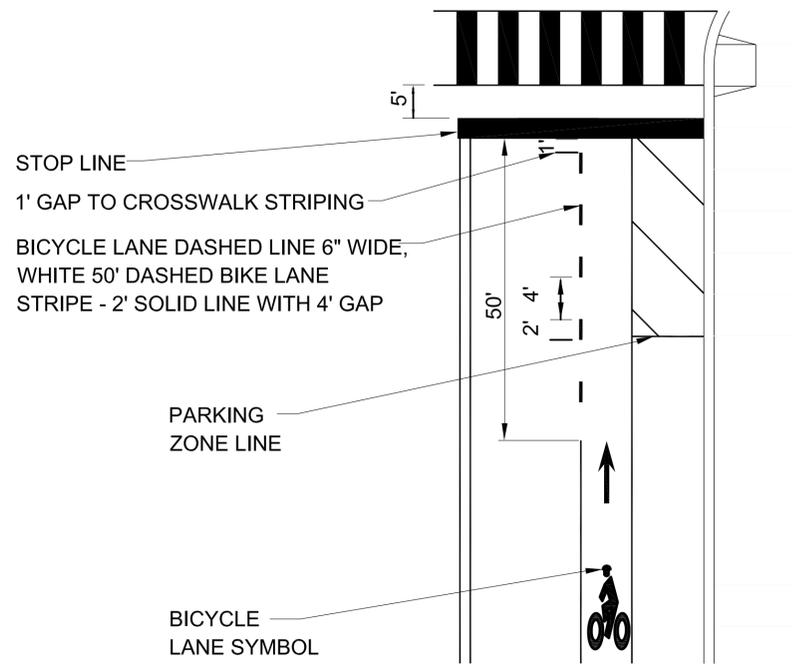
**TYPICAL LATERAL STRIPING DIMENSIONS**

N.T.S.

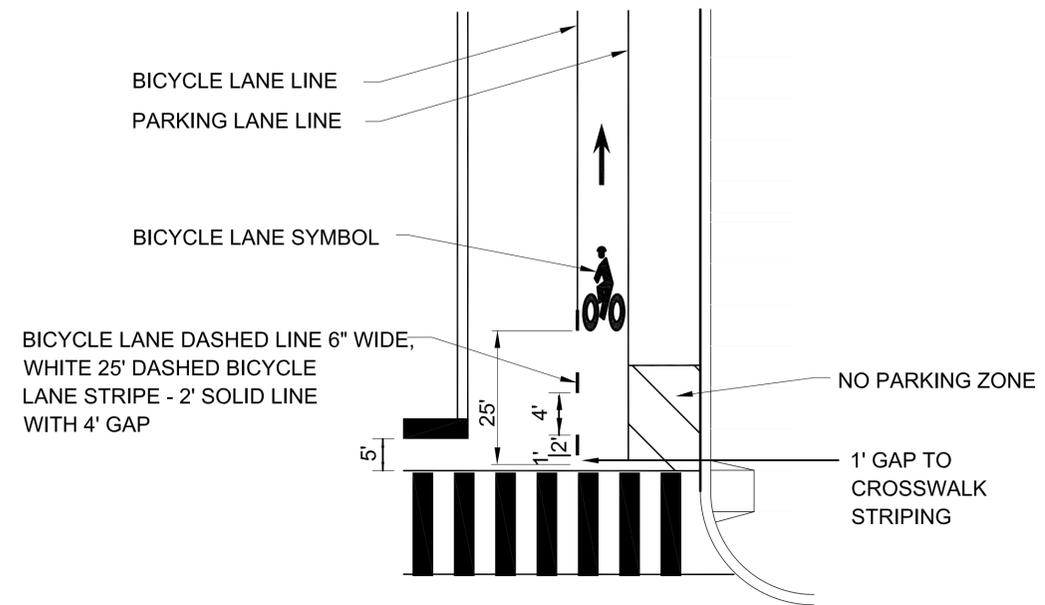


**TYPICAL LANE STRIPING - BICYCLE LANE**

N.T.S.



TYPICAL BICYCLE LANE STRIPING NEAR  
SIDE OF INTERSECTION  
N.T.S.



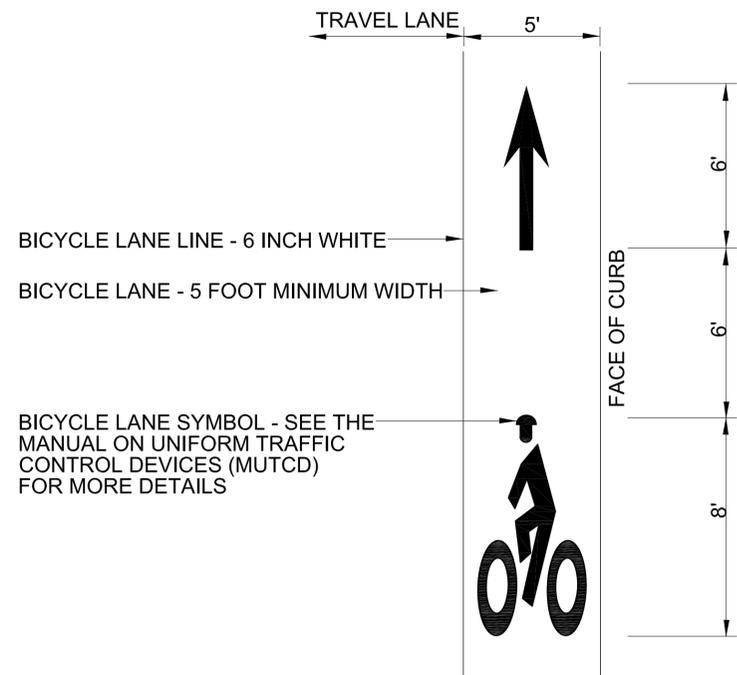
TYPICAL BICYCLE LANE STRIPING FAR  
SIDE OF INTERSECTION  
N.T.S.

PREPARED: MK  
CHECKED: EM  
DATE  
JUNE 10, 2013  
REV. 1  
REV. 2  
REV. 3  
SHEET NAME

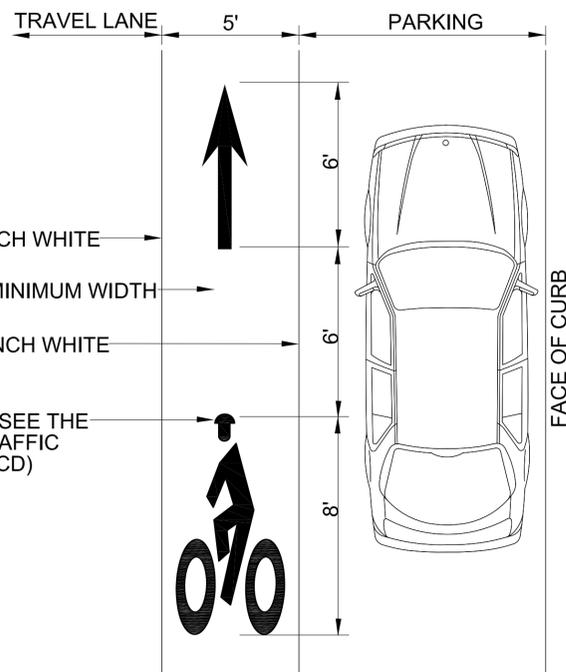
DRAWING NUMBER

SHEET NUMBER

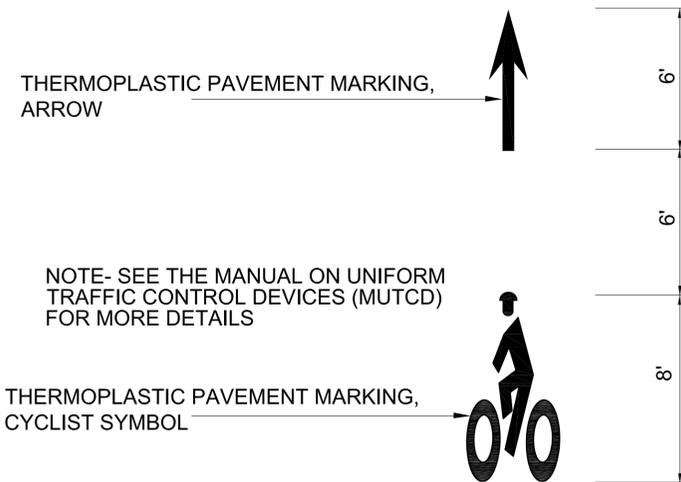
4 OF 7



**BICYCLE LANE STRIPING**  
 ADJACENT TO CURB WITHOUT PARKING  
 N.T.S.



**BICYCLE LANE STRIPING**  
 ADJACENT TO PARKING  
 N.T.S.



**BICYCLE LANE SYMBOL**  
 N.T.S.

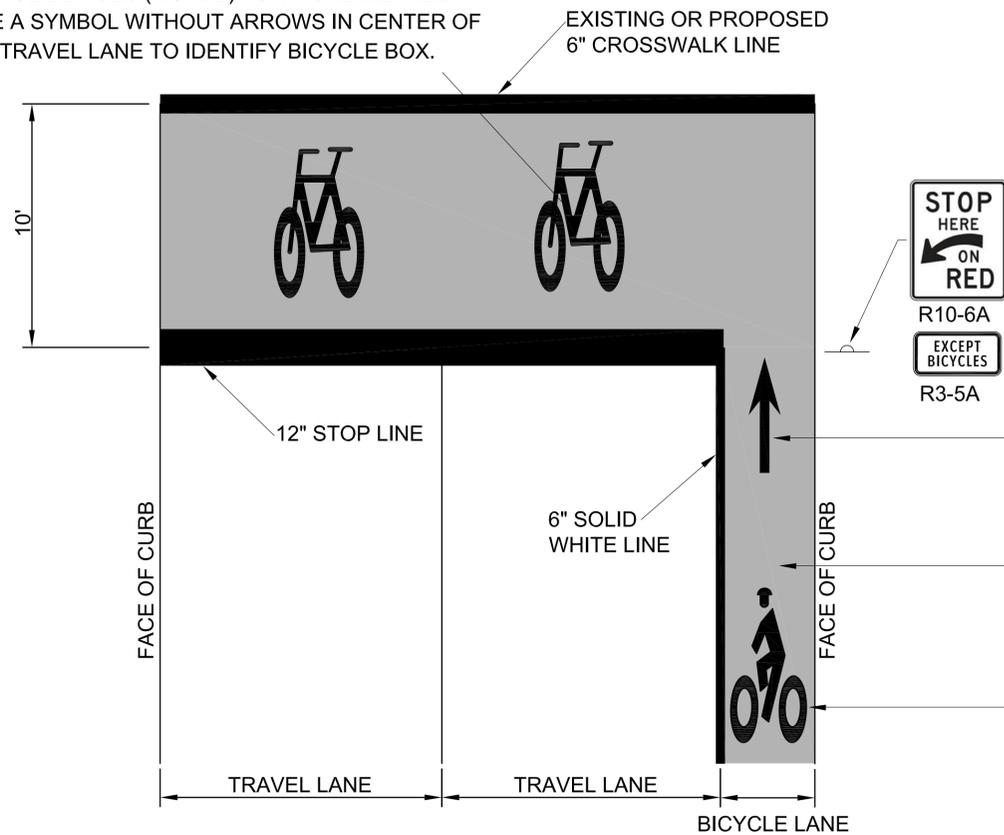
- BICYCLE LANE SYMBOL PLACEMENT NOTES:
1. DO NOT PLACE SYMBOLS ON LANE LINES.
  2. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE LANE.
  3. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.

PREPARED: MK  
 CHECKED: EM  
 DATE  
 JUNE 10, 2013  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER

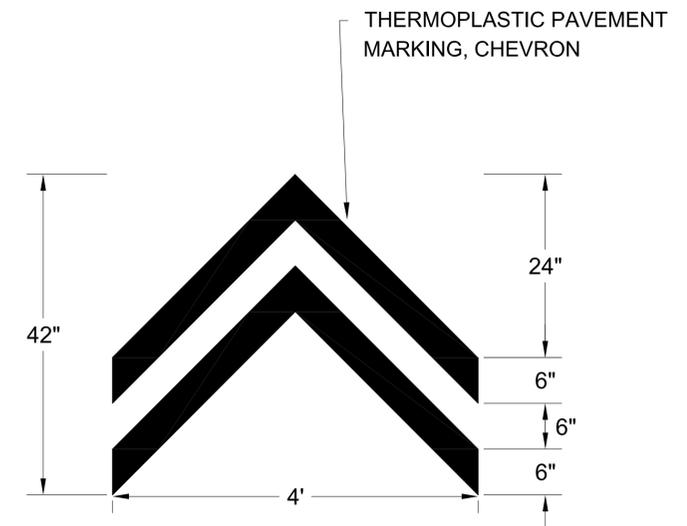
SHEET NUMBER

THERMOPLASTIC PAVEMENT MARKING, BICYCLE SYMBOL - SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS. PLACE A SYMBOL WITHOUT ARROWS IN CENTER OF EACH TRAVEL LANE TO IDENTIFY BICYCLE BOX.



**BICYCLE BOX PLACEMENT NOTES:**

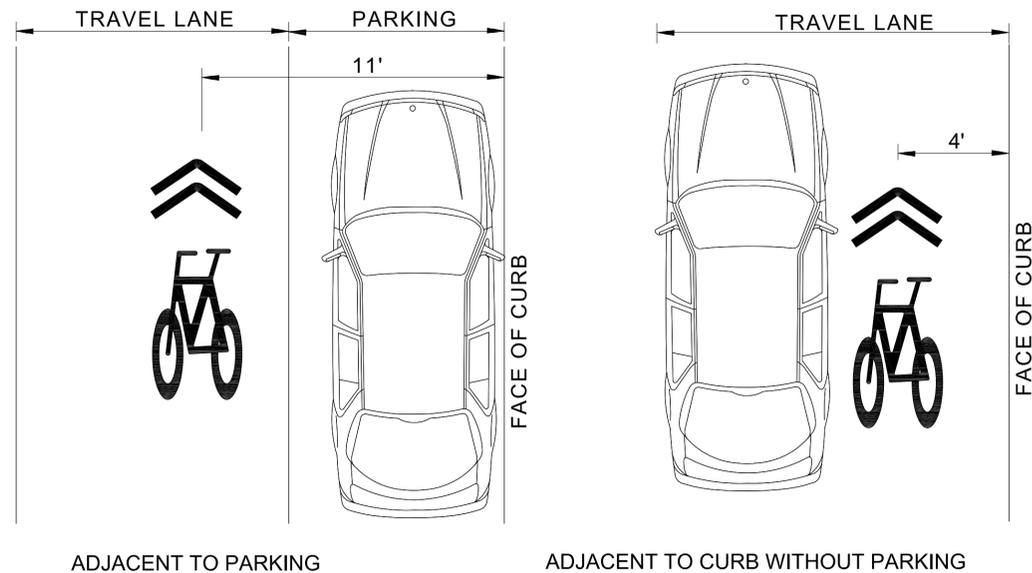
1. PLACE STOP LINE 14' IN ADVANCE OF CROSSWALK (UNLESS NOTED OTHERWISE ON PLAN SHEETS) WITH R10-6a SIGN. BREAK STOP LINE AT BICYCLE LANE.
2. SEE PLAN SHEETS FOR BICYCLE BOX LOCATIONS AND SYMBOL LOCATIONS.
3. DO NOT PLACE SYMBOLS ON LANE LINES, CROSSWALK LINES, OR STOP LINES.
4. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE BOX.



**CHEVRON**  
N.T.S.

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

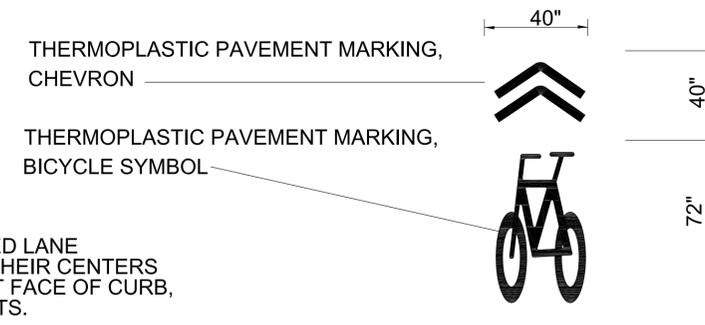
**TYPICAL BICYCLE BOX PLACEMENT**  
N.T.S.



**SHARED LANE SYMBOL PLACEMENT**  
N.T.S.

**SHARED LANE SYMBOL PLACEMENT NOTES:**

1. IN LOCATIONS WITH ON-STREET PARKING, SHARED LANE MARKING SYMBOLS SHALL BE PLACED SO THAT THEIR CENTERS ARE A MINIMUM OF 11 FEET FROM THE ADJACENT FACE OF CURB, UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.
2. IN LOCATIONS WITHOUT PARKING, SHARED LANE MARKING SYMBOLS SHALL BE PLACED SO THAT THEIR CENTERS ARE 4 FEET FROM THE ADJACENT FACE OF CURB, UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.
3. IF LOCATED IN A TURN LANE, SHARED LANE MARKING SYMBOLS SHALL BE CENTERED IN THE LANE UNLESS OTHERWISE NOTED ON THE PLAN SHEETS.
4. DO NOT PLACE SYMBOLS ON LANE LINES.
5. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.



**SHARED LANE SYMBOL**  
N.T.S.

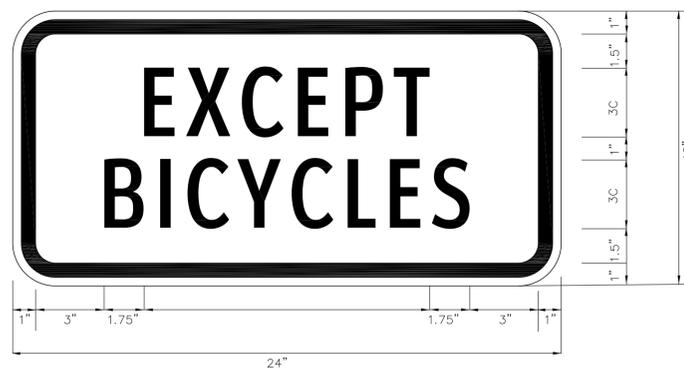
SIGN NUMBER	R4-11
FONT	D 2000
WIDTH x HGHT.	3'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
Bicycle	0	8.2"	18.1"	13.6"	7.9"

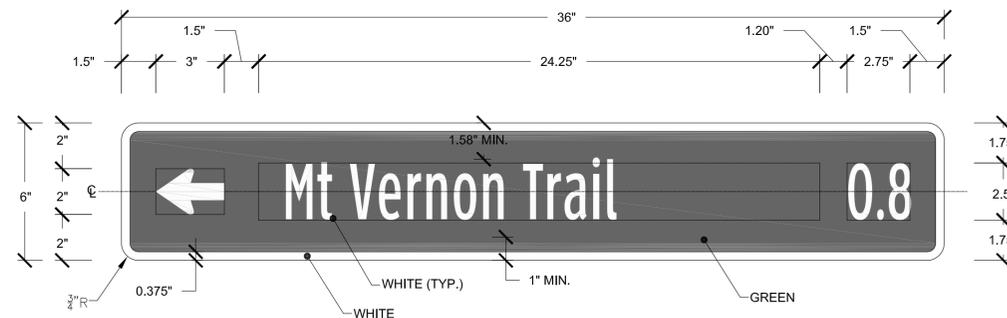
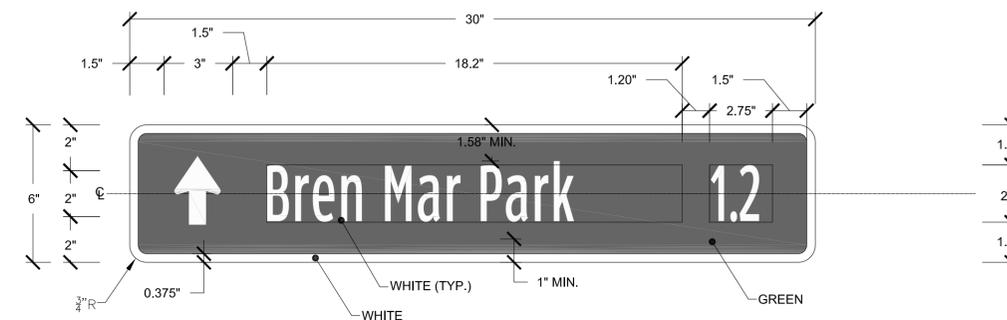
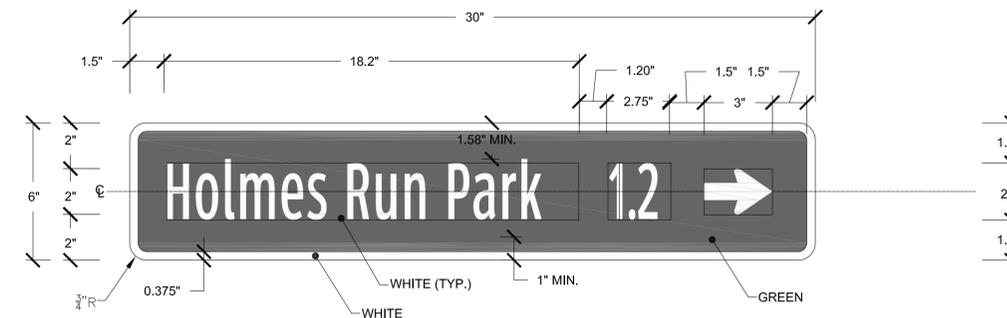


**R4-11 - BIKES MAY USE FULL LANE**  
N.T.S.

SIGN NUMBER	R3-5iP
FONT	C 2000
WIDTH x HGHT.	24" x 12"
BORDER WIDTH	0.375" / 0.625"
CORNER RADIUS	1.875"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black



**R3-5A- "EXCEPT BICYCLES"**  
N.T.S.



**D1-1C - 6"X30", 6"X36" WAYFINDING PANEL**  
N.T.S.

FONT: ClearviewHwy-1-W  
BORDER: R= 1" TH= 0.5"  
BACKGROUND COLOR: GREEN  
SIGN TEXT COLOR: WHITE

## SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION LANE CLOSING	LS	1
REMOVAL OF LANE MARKINGS	SF	4,664
TEMPORARY CONSTRUCTION SIGN SUPPORTS	EA	320
CONSTRUCTION WARNING AND DETOUR SIGNS	SF	2,885
REFLECTORIZED TRAFFIC CONES	EA	100
FLASHING AMBOR WARNING LIGHTS, TYPE B	EA	490
SEQUENTIAL ARROW BOARD	EA	25
TYPE III PVC BARRICADE	EA	25
TRAFFIC DRUMS	EA	965
TRUCK MOUNTED ATTENUATOR	EA	15
PORTABLE CHANGEABLE MESSAGE SIGN	EA	10
THERMOPLASTIC PAVEMENT MARKING, 4 INCH	LF	59,410
THERMOPLASTIC PAVEMENT MARKING, 4 INCH DASH	LF	440
THERMOPLASTIC PAVEMENT MARKING, 6 INCH	LF	17,690
THERMOPLASTIC PAVEMENT MARKING, 6 INCH DASH	LF	2,480
THERMOPLASTIC PAVEMENT MARKING, 12 INCH	LF	4,400
THERMOPLASTIC PAVEMENT MARKING, 24 INCH	LF	880
THERMOPLASTIC PAVEMENT, LETTER	EA	24
THERMOPLASTIC PAVEMENT, ARROW	EA	41
THERMOPLASTIC PAVEMENT, CHEVRON	EA	121
THERMOPLASTIC PAVEMENT, BICYCLE SYMBOL	EA	123
THERMOPLASTIC PAVEMENT, CYCLIST SYMBOL	EA	97
THERMOPLASTIC PAVEMENT, BICYCLE LANE ARROW SYMBOL	EA	97
THERMOPLASTIC PAVEMENT, LANE MERGE ARROW SYMBOL	EA	2
COLORIZED COATING	SF	650
TRAFFIC SIGN PANELS	SF	350
METAL SIGN POST	EA	63
REMOVE AND DISPOSE OF EXISTING SIGN PANEL	EA	7

PREPARED: MK  
CHECKED: EM  
DATE  
JUNE 10, 2013  
REV. 1  
REV. 2  
REV. 3  
SHEET NAME

DRAWING NUMBER

SHEET NUMBER  
**1** OF **8**

## FORT WILLIAMS PKWY PAVEMENT MARKING QUANTITIES

SHEET NO.	THERMOPLASTIC PAVEMENT MARKING, 4 INCH		THERMOPLASTIC PAVEMENT MARKING, 4 INCH DASH (2/4)		THERMOPLASTIC PAVEMENT MARKING, 6 INCH		THERMOPLASTIC PAVEMENT MARKING, 6 INCH DASH (2/4)		THERMOPLASTIC PAVEMENT MARKING, 4" BROKEN (10/30')	THERMOPLASTIC PAVEMENT MARKING, 12 INCH	THERMOPLASTIC PAVEMENT MARKING, 24 INCH	THERMOPLASTIC PAVEMENT LETTER	THERMOPLASTIC PAVEMENT ARROW	THERMOPLASTIC PAVEMENT CHEVRON	THERMOPLASTIC PAVEMENT BICYCLE SYMBOL	THERMOPLASTIC PAVEMENT CYCLIST SYMBOL	THERMOPLASTIC PAVEMENT BICYCLE LANE ARROW SYMBOL
	WHITE LF	YELLOW LF	WHITE LF	YELLOW LF	WHITE LF	YELLOW LF	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE EA	WHITE EA	WHITE EA	WHITE EA	WHITE EA	WHITE EA
1	583				431		83									4	4
2	506				350		82							1	1	4	4
3	391				299		65							3	3	2	2
4	823		12		786		98			162			1			3	3
5	894				830		63									3	3
6	823		17		825		96					4	2			3	3
7	756				740		68									4	4
8	743				558		97									3	3
TOTAL	5519	0	28	0	4819	0	653	0	0	170	0	4	3	4	4	26	26
	5520		30		4820		660										

## FORT WILLIAMS PKWY SIGN QUANTITIES

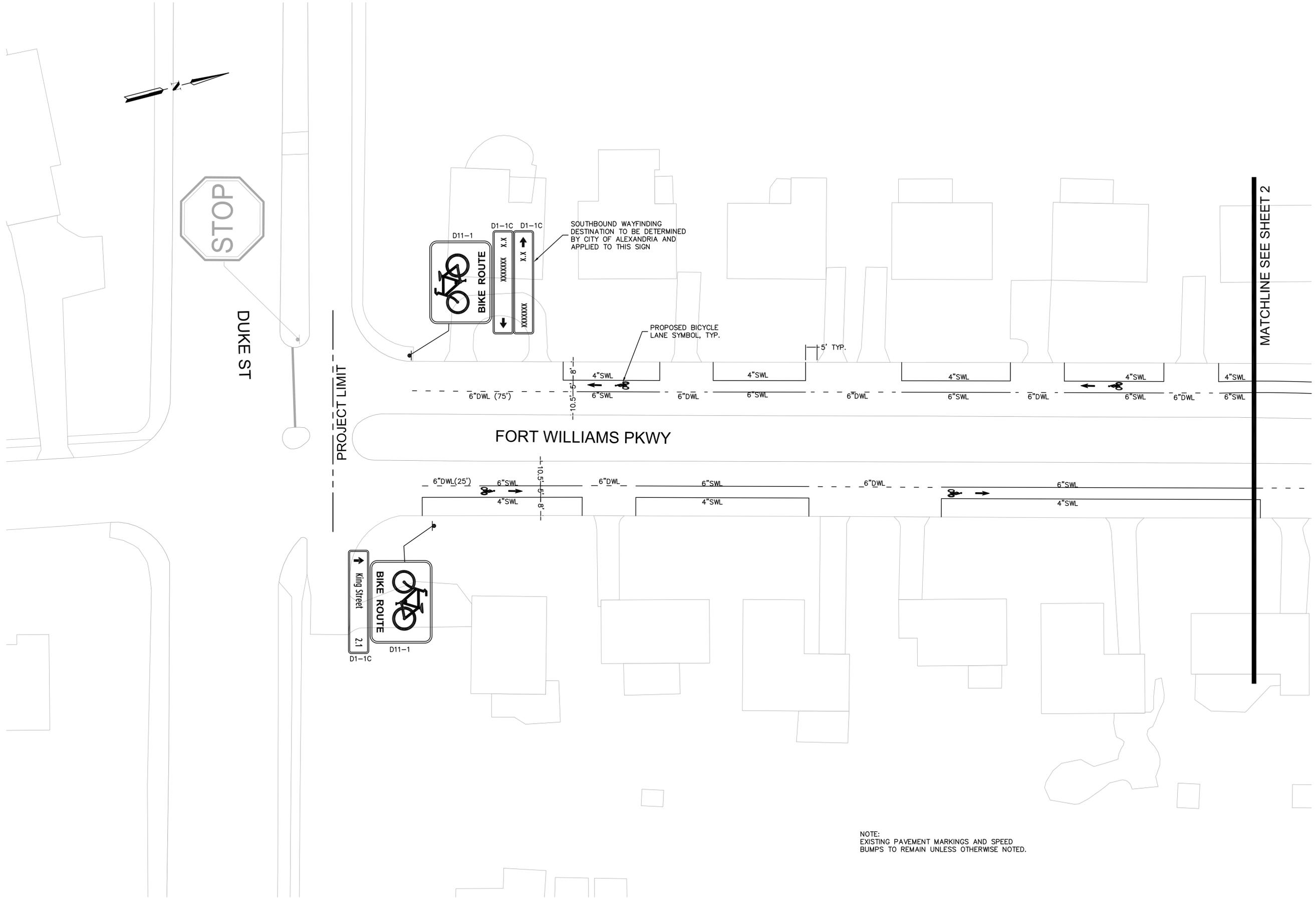
SHEET NO.	LOCATION	SIZE INCHES	TRAFFIC SIGN PANEL	METAL SIGN POST	RELOCATE EXISTING GROUND MOUNTED SIGN	REMOVE & DISPOSE EXISTING SIGN PANEL	REMARKS
			SF	EA	EA	EA	
1	AT DUKE STREET	18 X 24	3.00	1			NEW D11-1 AND POST
1	AT DUKE STREET	6 x 30	1.25				NEW D1-1C - " [S] KING STREET [2.1]"
1	AT DUKE STREET	18 X 24	3.00	1			NEW D11-1 AND POST
1	AT DUKE STREET	6 x 30	1.25				NEW D1-1C - " [L] XXXX -- DETERMINED BY CITY OF ALEXANDRIA
1	AT DUKE STREET	6 x 30	1.25				NEW D1-1C - " [R] XXXX -- DETERMINED BY CITY OF ALEXANDRIA
2	AT TUPELO ST	12 X 18	1.50	1			NEW R7 PARKING RESTRICTION - NO PARKING (RIGHT)
4	AT DEARBORN PL	30 X 30	6.25	1			NEW W11-1 AND POST
4	AT DEARBORN PL	18 X 24	3.00				NEW W16-1
4	AT DEARBORN PL	18 X 24	3.00	1			NEW R3-17 AND POST
4	AT DEARBORN PL	8 X 24	1.33				NEW R3--17bP
8	AT SEMINARY RD	18 X 24	3.00	1			NEW D11-1 AND POST
8	AT SEMINARY RD	6 x 30	1.25				NEW D1-1C - " [R] KING STREET [1.4]"
8	AT SEMINARY RD	18 X 24	3.00	1			NEW D11-1 AND POST
8	AT SEMINARY RD	6 x 30	1.25				NEW D1-1C - " [S] XXXX -- DETERMINED BY CITY OF ALEXANDRIA
	TOTAL		33	7	0	0	

NOTE: [S] = STRAIGHT ARROW, [L]= LEFT ARROW, [R] = RIGHT ARROW

PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER

SHEET NUMBER  
**8** OF **8**



DUKE ST

PROJECT LIMIT

FORT WILLIAMS PKWY

MATCHLINE SEE SHEET 2

SOUTHBOUND WAYFINDING DESTINATION TO BE DETERMINED BY CITY OF ALEXANDRIA AND APPLIED TO THIS SIGN

PROPOSED BICYCLE LANE SYMBOL, TYP.

5' TYP.

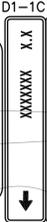
King Street  
2.1  
D1-1C



D11-1



D11-1



D1-1C



D1-1C

NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME

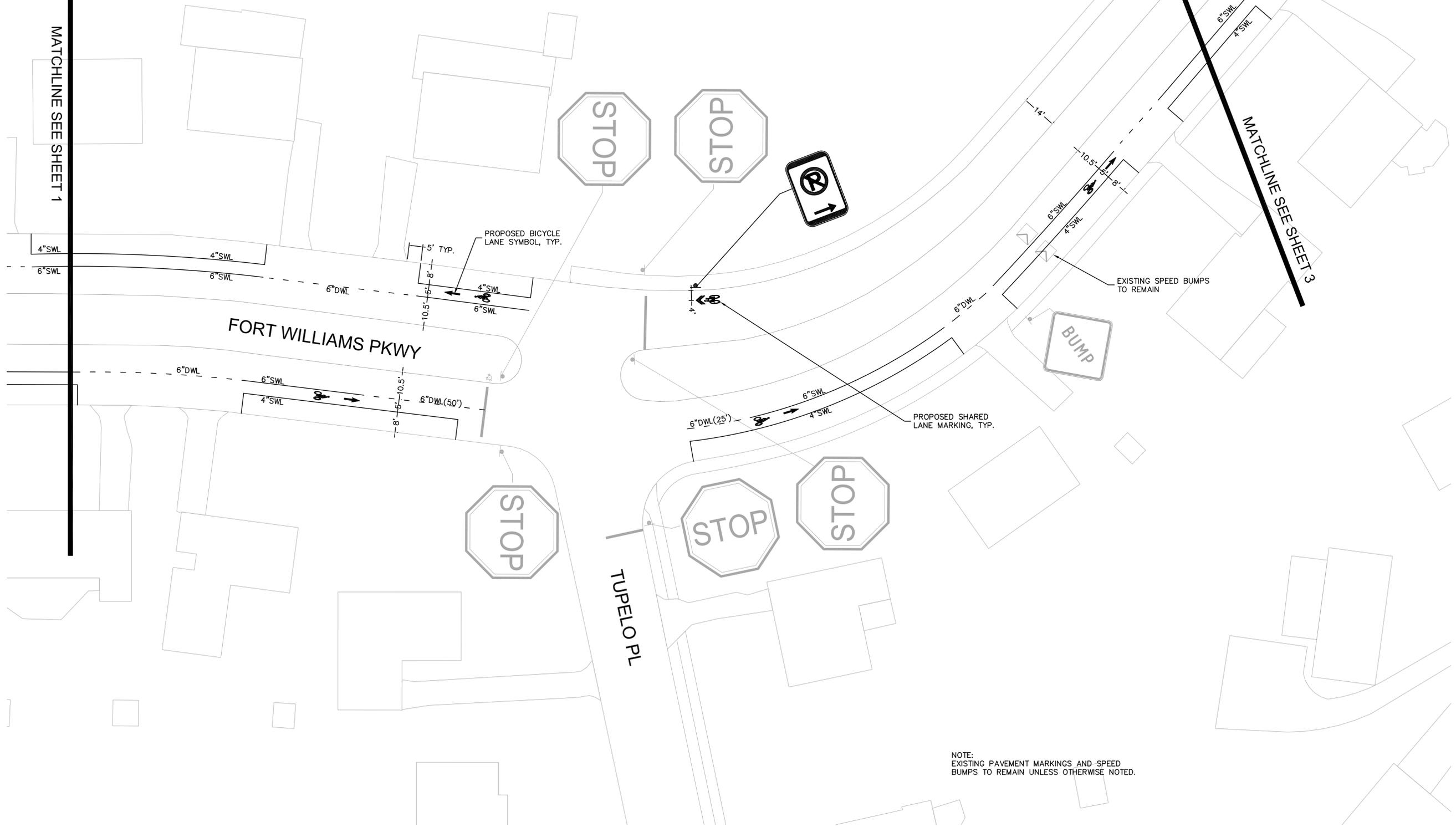
DRAWING NUMBER

SHEET NUMBER  
**1** OF **8**



MATCHLINE SEE SHEET 1

MATCHLINE SEE SHEET 3



PROPOSED BICYCLE LANE SYMBOL, TYP.

PROPOSED SHARED LANE MARKING, TYP.

EXISTING SPEED BUMPS TO REMAIN

NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED  
BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

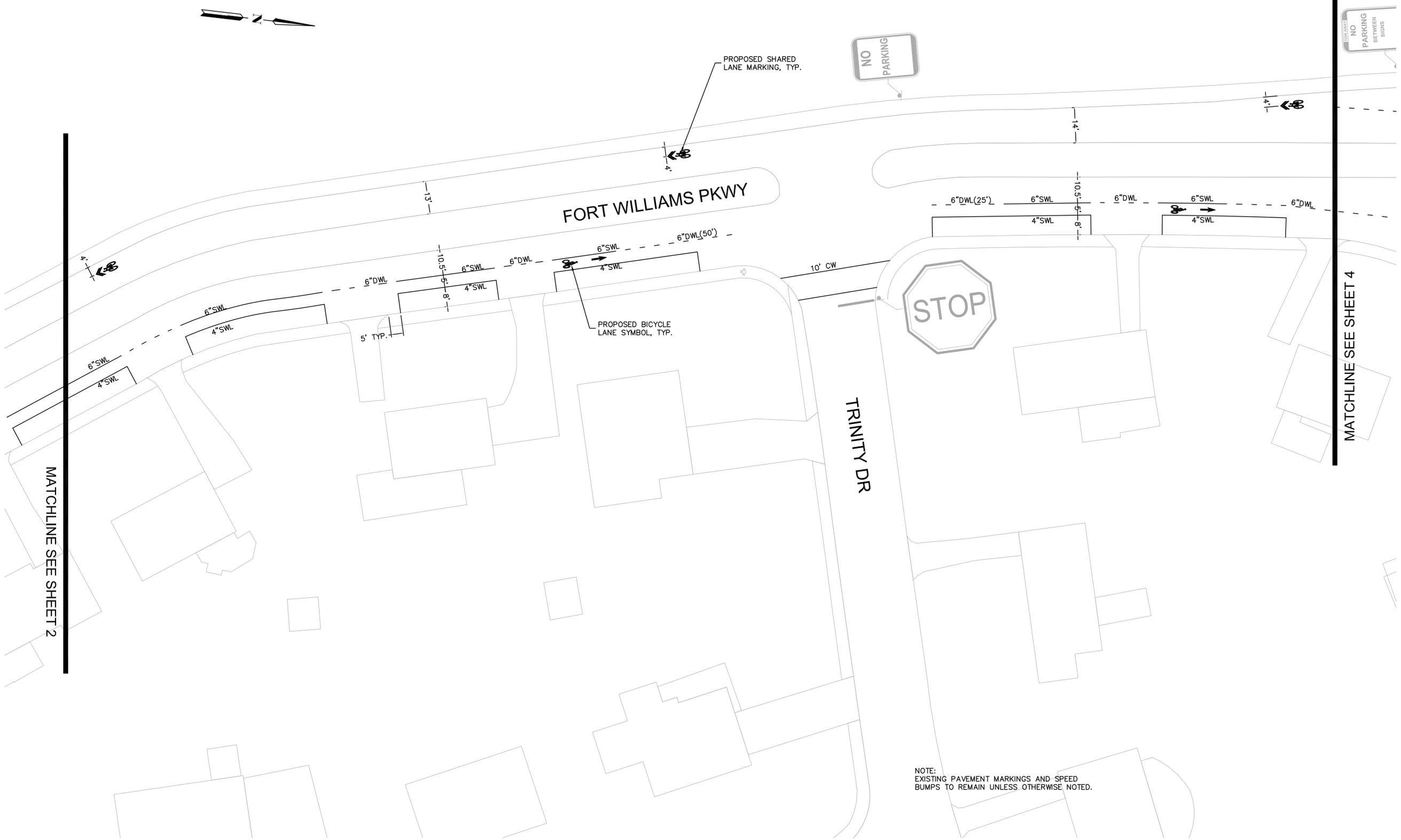
**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER

SHEET NUMBER  
**2** OF **8**



MATCHLINE SEE SHEET 2

MATCHLINE SEE SHEET 4

FORT WILLIAMS PKWY

TRINITY DR



PROPOSED BICYCLE LANE SYMBOL, TYP.

PROPOSED SHARED LANE MARKING, TYP.

NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED  
BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

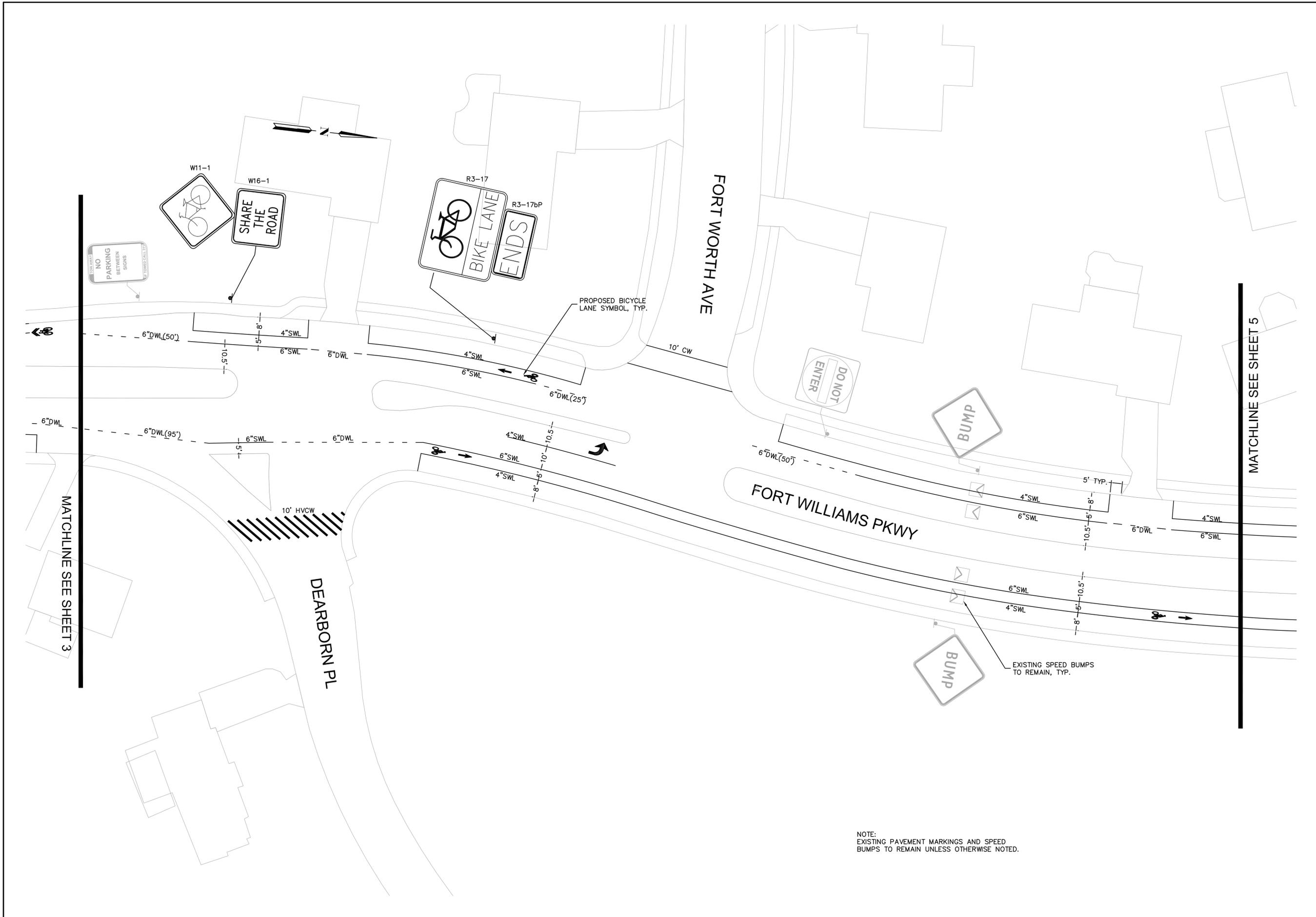
**FORT WILLIAMS PARKWAY**  
FROM DUKE ST TO SEMINARY ROAD  
ALEXANDRIA, VA



PREPARED: MK  
CHECKED: EM  
DATE  
JUNE 10, 2013  
REV 1  
REV. 2  
REV. 3  
SHEET NAME

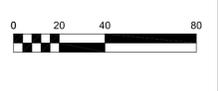
DRAWING NUMBER

SHEET NUMBER  
**3** OF **8**

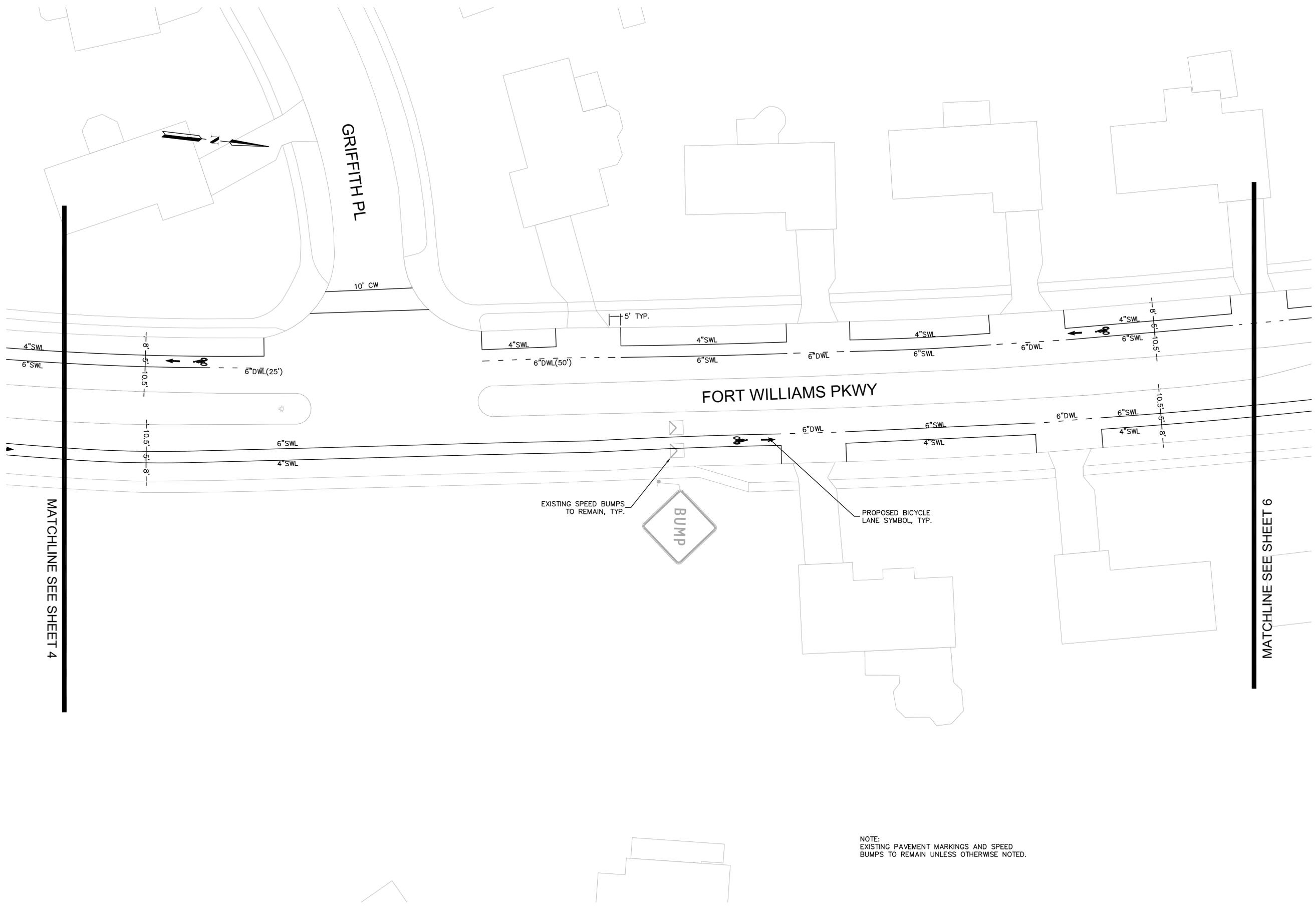


NOTE:  
 EXISTING PAVEMENT MARKINGS AND SPEED  
 BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME  
 DRAWING NUMBER  
 SHEET NUMBER  
**4 OF 8**



MATCHLINE SEE SHEET 4

MATCHLINE SEE SHEET 6

EXISTING SPEED BUMPS TO REMAIN, TYP.



PROPOSED BICYCLE LANE SYMBOL, TYP.

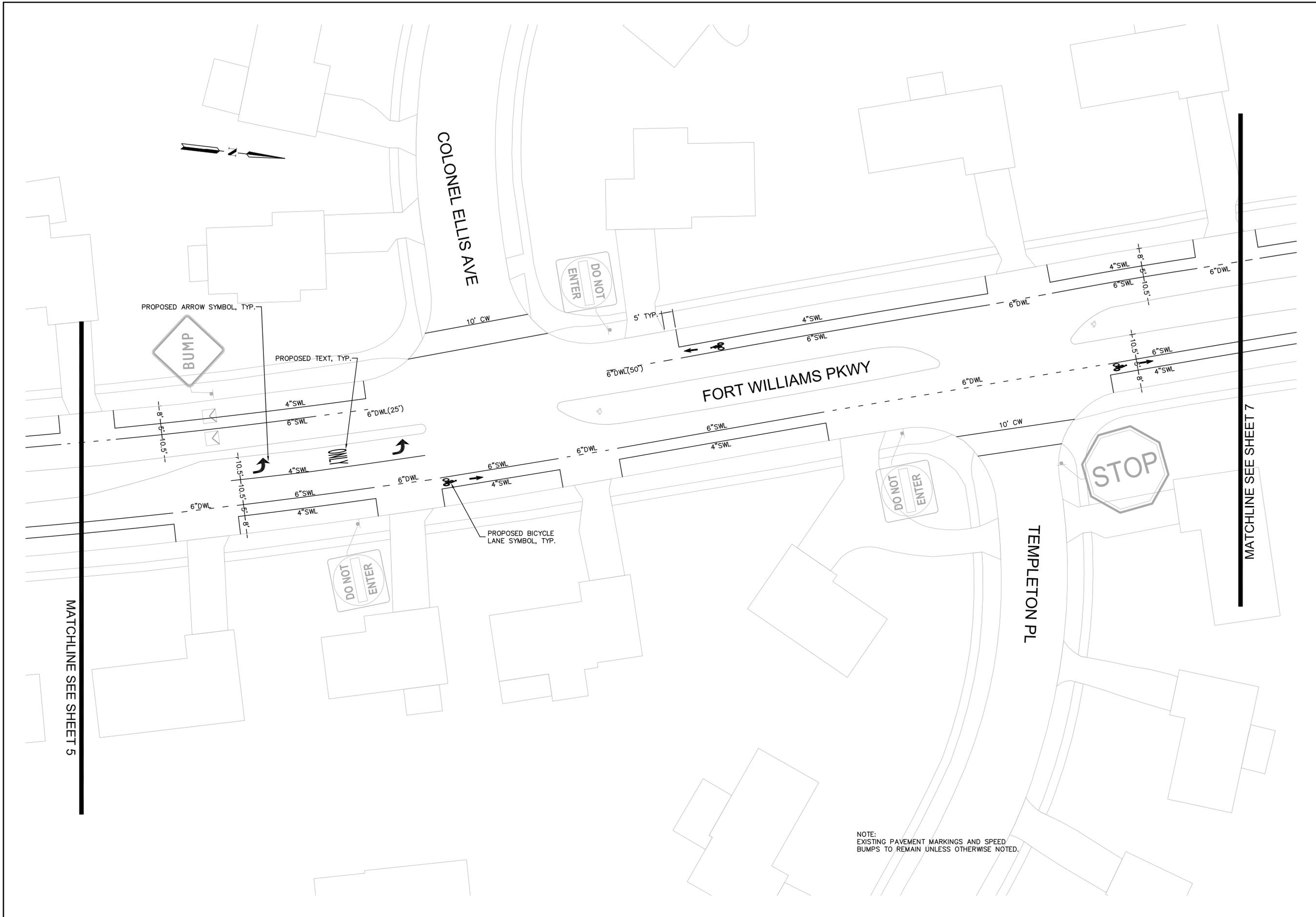
NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER



PROPOSED ARROW SYMBOL, TYP.

PROPOSED TEXT, TYP.

PROPOSED BICYCLE LANE SYMBOL, TYP.

NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED  
BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



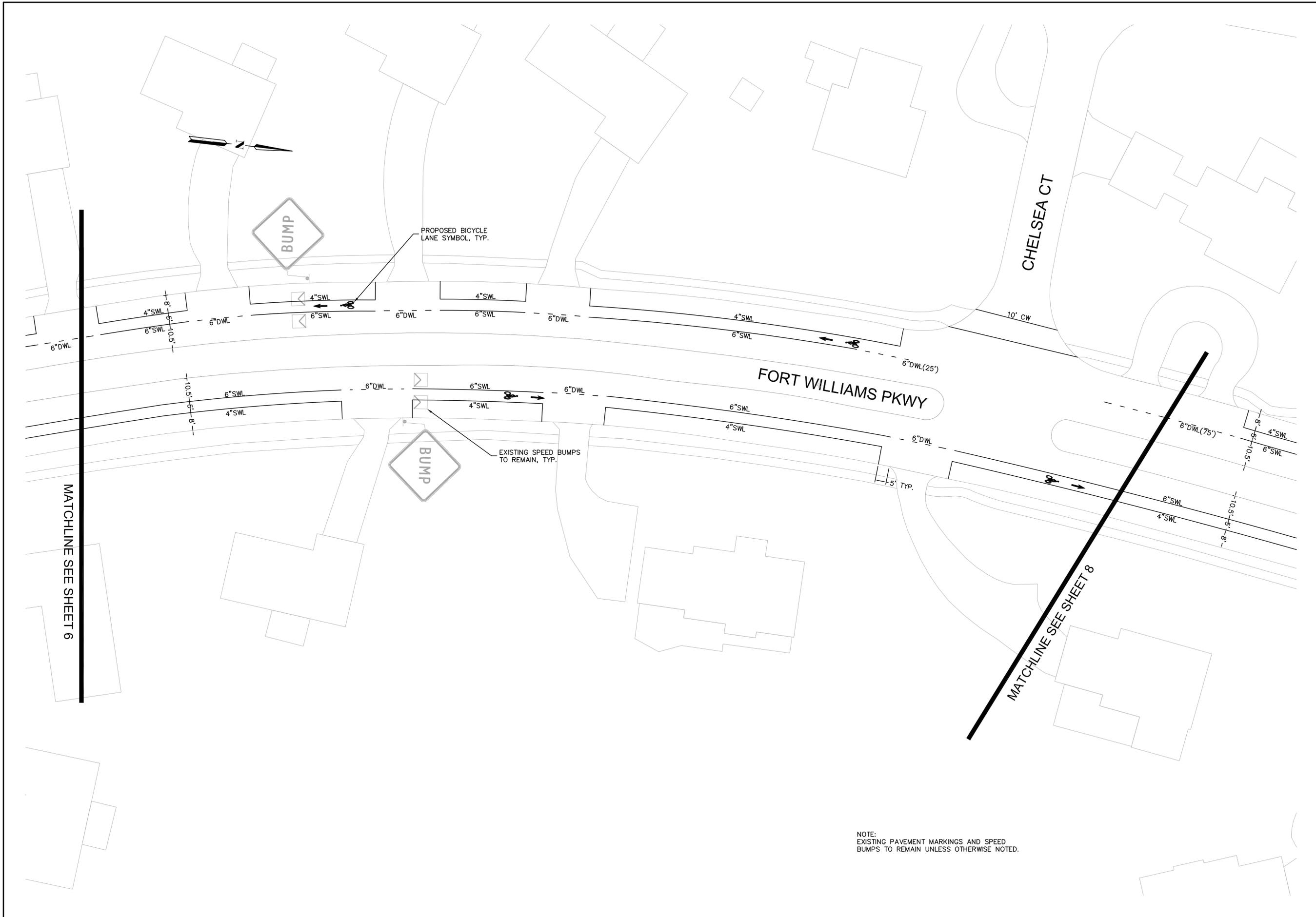
PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER

SHEET NUMBER  
**6** OF **8**

MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7



**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV. 1  
 REV. 2  
 REV. 3  
 SHEET NAME

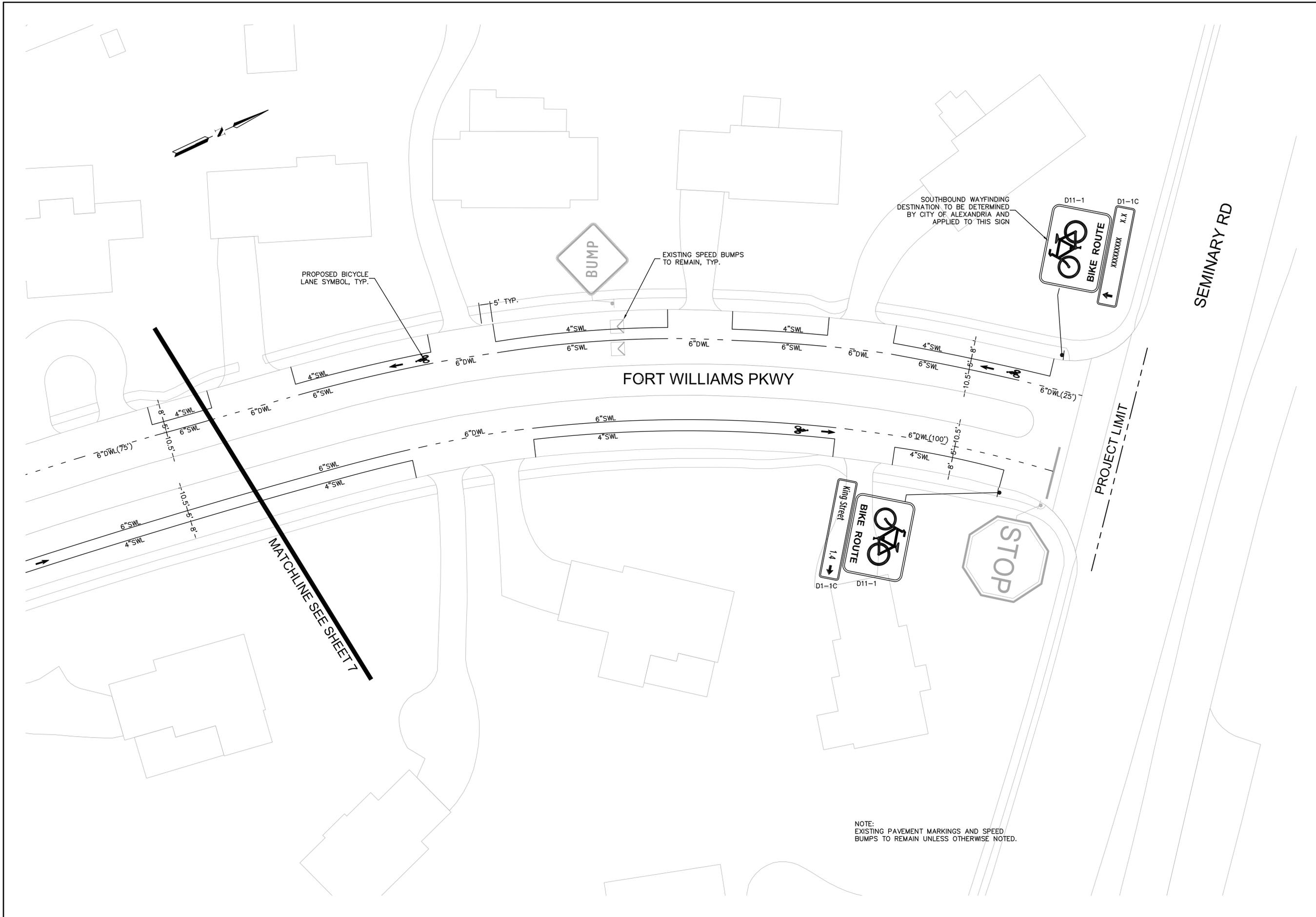
DRAWING NUMBER

SHEET NUMBER  
**7** OF **8**

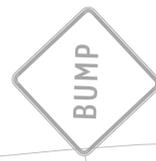
NOTE:  
 EXISTING PAVEMENT MARKINGS AND SPEED  
 BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 8



PROPOSED BICYCLE LANE SYMBOL, TYP.



EXISTING SPEED BUMPS TO REMAIN, TYP.

SOUTHBOUND WAYFINDING DESTINATION TO BE DETERMINED BY CITY OF ALEXANDRIA AND APPLIED TO THIS SIGN

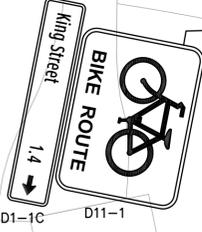


SEMINARY RD

FORT WILLIAMS PKWY

PROJECT LIMIT

MATCHLINE SEE SHEET 7



NOTE:  
EXISTING PAVEMENT MARKINGS AND SPEED BUMPS TO REMAIN UNLESS OTHERWISE NOTED.

**FORT WILLIAMS PARKWAY**  
 FROM DUKE ST TO SEMINARY ROAD  
 ALEXANDRIA, VA



PREPARED: MK  
 CHECKED: EM  
 DATE  
**JUNE 10, 2013**  
 REV 1  
 REV. 2  
 REV. 3  
 SHEET NAME

DRAWING NUMBER

SHEET NUMBER  
**8** OF **8**