N CHAMBLISS ST. BICYCLE FACILITIES

What's Happening?

- Traffic calming along N Chambliss Street with new bicycle lanes as called for in the City's Pedestrian and Bicycle Mobility Plan
- Upgraded trail entrance to Glen Hills Park
- Bicycle lanes will connect to a new pedestrian and bicycle crossing over Holmes Run at Dora Kelley Park, which is currently under construction, to be completed in late summer 2013

Contact:
Hillary Poole – 703.746.4017
Hillary.Poole@AlexandriaVA.gov

BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION SIGNING AND MARKING PLANS

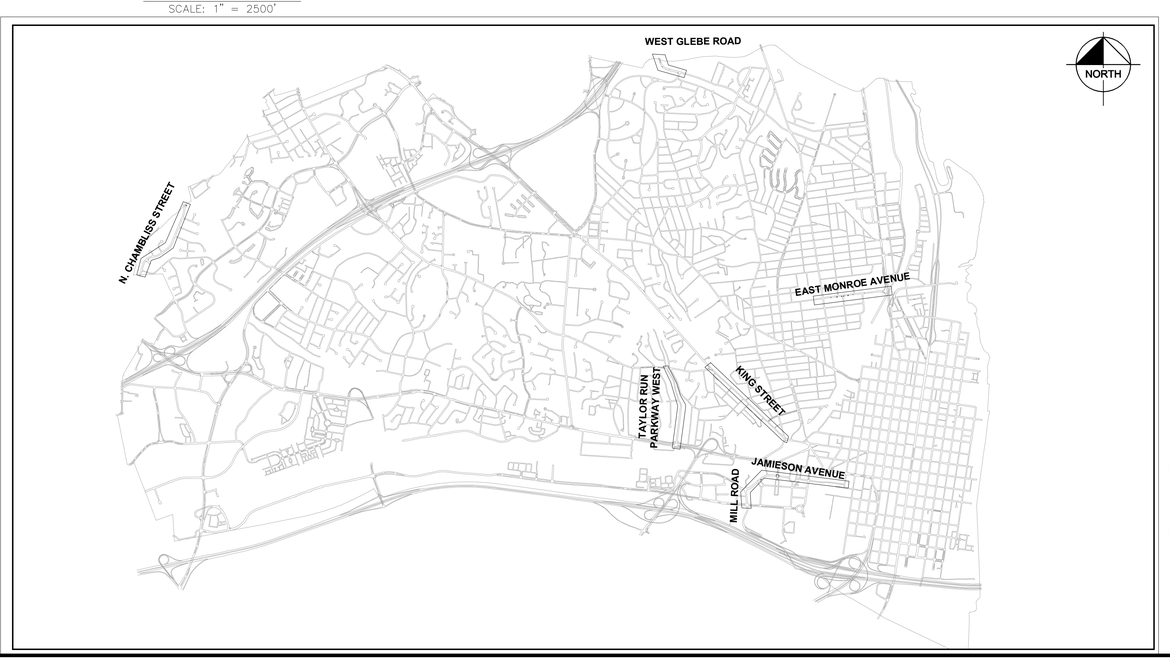
PREPARED FOR:

CITY OF ALEXANDRIA VIRGINIA

100% PLAN SUBMITTAL

STREET SEGMENT	FROM STREET	TO STREET	SEGMENT LENGTH
NORTH CHAMBLISS STREET	NORTH MORGAN STREET	LARSTAN DRIVE	2,950 FT
WEST GLEBE ROAD	CITY BORDER	VALLEY DRIVE	1,025 FT
TAYLOR RUN PARKWAY WEST	DUKE STREET	JANNEYS LANE	1,700 FT
EAST MONROE AVENUE	MOUNT VERNON AVENUE	MAIN LINE BOULEVARD	2,275 FT
KING STREET	CALLAHAN DRIVE	JANNEYS LANE	3,580 FT
JAMIESON AVENUE/MILL ROAD	S. WEST STREET	EISENHOWER AVENUE	4,000 FT

VICINITY MAP
SCALE: 1" = 2500'



PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO IMPLEMENT PAVEMENT MARKING AND BICYCLE SIGNING PLANS. THE PAVEMENT MARKING PLANS INCLUDE THE INSTALLATION OF BIKE LANE AND SHARED LANE SYMBOLS AND ASSOCIATED BIKE LANE AND WAYFINDING SIGNS. THE PROJECT INCLUDES THE ERADICATION OF EXISTING PAVEMENT MARKINGS, SHIFTS IN STREET CENTERLINE, AND THE REALLOCATION OF CROSS-SECTION WIDTH BETWEEN TRAVEL LANES, SHARED TRAVEL LANES, BIKE LANES, AND ON-STREET PARKING LANES AS IDENTIFIED IN THE PLANS. SPECIFIC TREATMENTS ALONG EACH SEGMENT ARE FURTHER DESCRIBED:

NORTH CHAMBLISS STREET:
INSTALLATION OF PARKING, BICYCLE LANES, AND ASSOCIATED SIGNAGE ALONG BOTH TRAVEL DIRECTIONS, AND CENTERLINE MARKINGS. IMPROVEMENTS TO THE BICYCLE CONNECTION TO GLEN HILLS PARK.

WEST GLEBE ROAD:
INSTALLATION OF SHARED LANE MARKINGS AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

TAYLOR RUN PARKWAY WEST:
BETWEEN DUKE STREET AND THE PARK ENTRANCE: INSTALLATION OF MARKED PARKING ALONG BOTH CURBS, A BICYCLE CLIMBING LANE (NB), AND SHARED PAVEMENT MARKINGS (SB).

NORTH OF PARK ENTRANCE TO JANNEYS LANE: INSTALLATION OF MARKED PARKING (SB) AND SHARED PAVEMENT MARKINGS IN BOTH DIRECTIONS OF TRAVEL.

EAST MONROE AVENUE:
BETWEEN MT. VERNON AVENUE AND LESLIE AVENUE: INSTALLATION OF BIKE LANES AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

BETWEEN LESLIE AVENUE AND MAIN LINE BOULEVARD: INSTALLATION OF SHARED LANE MARKINGS AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

KING STREET:
BETWEEN HIGHLAND PLACE AND WEST ROSEMONT AVENUE: INSTALLATION OF BIKE LANES AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

REMAINING PROJECT AREA: INSTALLATION OF SHARED PAVEMENT MARKINGS AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

JAMIESON AVENUE/MILL ROAD:
BETWEEN DULANY STREET AND S. WEST STREET, BETWEEN COURTHOUSE SQUARE AND ANDREWS LANE, AND BETWEEN JAMIESON AVENUE AND EISENHOWER AVENUE ALONG MILL ROAD: INSTALLATION OF SHARED PAVEMENT MARKINGS AND ASSOCIATED SIGNAGE IN BOTH DIRECTIONS OF TRAVEL.

BETWEEN DULANY STREET AND COURTHOUSE SQUARE: INSTALLATION OF BIKE LANES AND ASSOCIATED SIGNAGE ALONG BOTH DIRECTIONS OF TRAVEL.

INDEX OF SHEETS:

1	TITLE SHEET
2	GENERAL NOTES AND STANDARD DETAILS
3 – 4	NORTH CHAMBLISS STREET
5	WEST GLEBE ROAD
6 – 7	TAYLOR RUN PARKWAY WEST
8 – 9	EAST MONROE AVENUE
10 – 12	KING STREET
13 – 15	JAMIESON AVENUE/MILL ROAD

CONTACTS

OWNER:
CITY OF ALEXANDRIA
TRANSPORTATION AND ENVIRONMENTAL SERVICES
421 KING STREET, SUITE 300
ALEXANDRIA, VA 22314
TEL: (703) 746-4017
FAX: (703) 212-8405
CONTACT: HILLARY POOLE, COMPLETE STREETS COORDINATOR

CIVIL ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
11400 COMMERCE PARK DRIVE,
SUITE 400
RESTON, VIRGINIA 20191
TEL: (703) 674-1300
FAX: (703) 674-1350
CONTACT: GEOFF GIFFIN, P.E., PTOE

MISS UTILITY OF VIRGINIA

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RECOMMENDED FOR APPROVAL	DATE:
CHIEF-ENGINEERING & DESIGN DIVISION	
RECOMMENDED FOR APPROVAL	DATE:
CHIEF-CONSTRUCTION & INSPECTION DIVISION	
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CHIEF OF TRANSPORTATION	
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APPROVED	DATE:
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NO.	DATE	DESCRIPTION
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Engineering, Planning, and Environmental Consultants

BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION SIGNING AND MARKING PLANS

TITLE SHEET

SCALE: 1" = 50'
DRAWN BY: DBS
DESIGNED BY: GDG
CHECKED BY: KWF
DATE: JULY 26, 2013

SHEET
1 OF 15

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SIGNING AND PAVEMENT MARKING NOTES:

1. ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CITY OF ALEXANDRIA CONSTRUCTION STANDARDS AND SPECIFICATIONS AND WITH EACH OF THE FOLLOWING MANUALS, OR THE MOST RECENT REVISION THERETO:

   A. 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
   B. THE VIRGINIA SUPPLEMENT TO THE MANUAL ON TRAFFIC CONTROL DEVICES
   C. VA WORK AREA PROTECTION MANUAL

2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED IN THE PAVEMENT MARKING LEGEND.

3. ANY EXISTING PAVEMENT MARKINGS THAT WILL CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETELY ERADICATED.

4. LIMITS SHOWN OF PROPOSED MARKINGS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO ENSURE THAT PROPOSED PAVEMENT MARKINGS CONTINUE UNTIL EXISTING PAVEMENT MARKINGS CAN BE MATCHED.

5. SPACING BETWEEN DOUBLE YELLOW LINES SHALL BE 4".

6. ALL VEHICLE LANE WIDTHS SHALL BE A MINIMUM OF 11' UNLESS OTHERWISE SPECIFIED. ALL BICYCLE LANE WIDTHS SHALL BE A MINIMUM OF 5' UNLESS OTHERWISE SPECIFIED.

7. ALL SIGNS SHALL BE HIGH INTENSITY SHEETING MEETING THE REQUIREMENTS OF AASHTO M268.

8. 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.

9. PROPOSED SIGN POSTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND ANY ADJACENT FACE OF CURB. IF LOCATED IN OR ADJACENT TO ANY SIDEWALKS, A MINIMUM 32" CLEAR AND 48" PREFERRED PASSING SPACE ON EXISTING AND PROPOSED SIDEWALKS SHALL BE MAINTAINED.

10. PROPOSED SIGNS AND POSTS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.

11. PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.

12. FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT THERE ARE NOT CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.

13. SIGNS MOUNTED TO EXISTING LIGHT, SIGNAL, OR UTILITY POLES SHALL BE FASTENED WITH A MANUFACTURED STEEL BANDING SYSTEM. POLES SHALL NOT BE DIRECTLY DRILLED. THE CONTRACTOR SHALL SUBMIT MANUFACTURER INFORMATION ON THE BANDING SYSTEM TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

14. IF SIGNS ARE MOUNTED ON A POLE 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.

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

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, SIDEWALK, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SIGNING, DELINEATION, PAVEMENT MARKINGS AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY TO PERFORM THE WORK. THE WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL TEMPORARY DEVICES.

18. CITY OF ALEXANDRIA T&ES MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENTS OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. CERTIFIED RESPONSIBLE LAND DISTURBER IS REQUIRED TO ATTEND PRE-CONSTRUCTION MEETINGS.

19. ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE ALEXANDRIA NOISE CONTROL CODE TITLE 11, CHAPTER 5, WHICH PERMITS CONSTRUCTION ACTIVITIES TO OCCUR BETWEEN THE FOLLOWING HOURS:

   - MONDAY THROUGH FRIDAY FROM 7AM TO 6PM
   - SATURDAYS FROM 9AM TO 6PM
   - NO CONSTRUCTION ACTIVITIES ARE PERMITTED ON SUNDAYS

20. EMERGENCY VEHICLE EASEMENT SIGNAGE AND FIRE HYDRANTS SHALL REMAIN AVAILABLE DURING AND AFTER CONSTRUCTION. IN THE EVENT THAT ROAD CLOSURE IS REQUIRED, THE APPLICANT SHALL CONTACT THE ALEXANDRIA FIRE DEPARTMENT'S COMMUNICATIONS DIVISION AT 703-838-4660.

21. ALL EXISTING RESIDENTIAL AND COMMERCIAL ENTRANCES SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

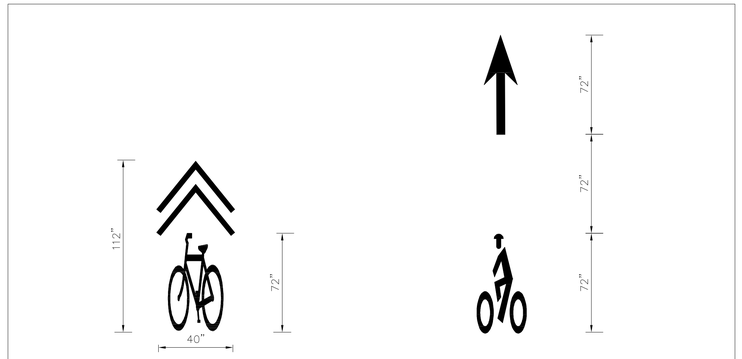
22. SIDEWALKS AND CROSSWALKS SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

23. ALL LANE WIDTHS SHALL BE A MINIMUM OF 10 FEET DURING CONSTRUCTION.

24. LANE CLOSURES REQUIRE A MINIMUM OF 5 BUSINESS DAYS ADVANCE NOTICE TO CITY ENGINEER FOR APPROVAL.

25. SOURCE OF BASE MAPPING IS CITY OF ALEXANDRIA GEOGRAPHIC INFORMATION SYSTEM (GIS). 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 DISCREPANCY SHALL BE REPORTED TO THE CITY ENGINEER PRIOR TO BEGINNING WORK. PROPOSED PAVEMENT MARKINGS AND SIGNAGE MAY BE ADJUSTED AS DIRECTED BY THE CITY ENGINEER.

26. 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 EXPENSE.



SHARED LANE MARKING
SOURCE: 2009 MUTCD FIGURE 9C-9

HELMETED BICYCLIST SYMBOL
SOURCE: 2009 MUTCD FIGURE 9C-3

ROADWAY PAVEMENT MARKING DETAILS

BICYCLE MARKING LEGEND

BIKE LANE SYMBOL

SHARED LANE SYMBOL

SIGNING LEGEND

EXISTING SIGN

PROPOSED SIGN

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SIGNING AND MARKING PLANS

GENERAL NOTES, STANDARD DETAILS, AND LEGEND

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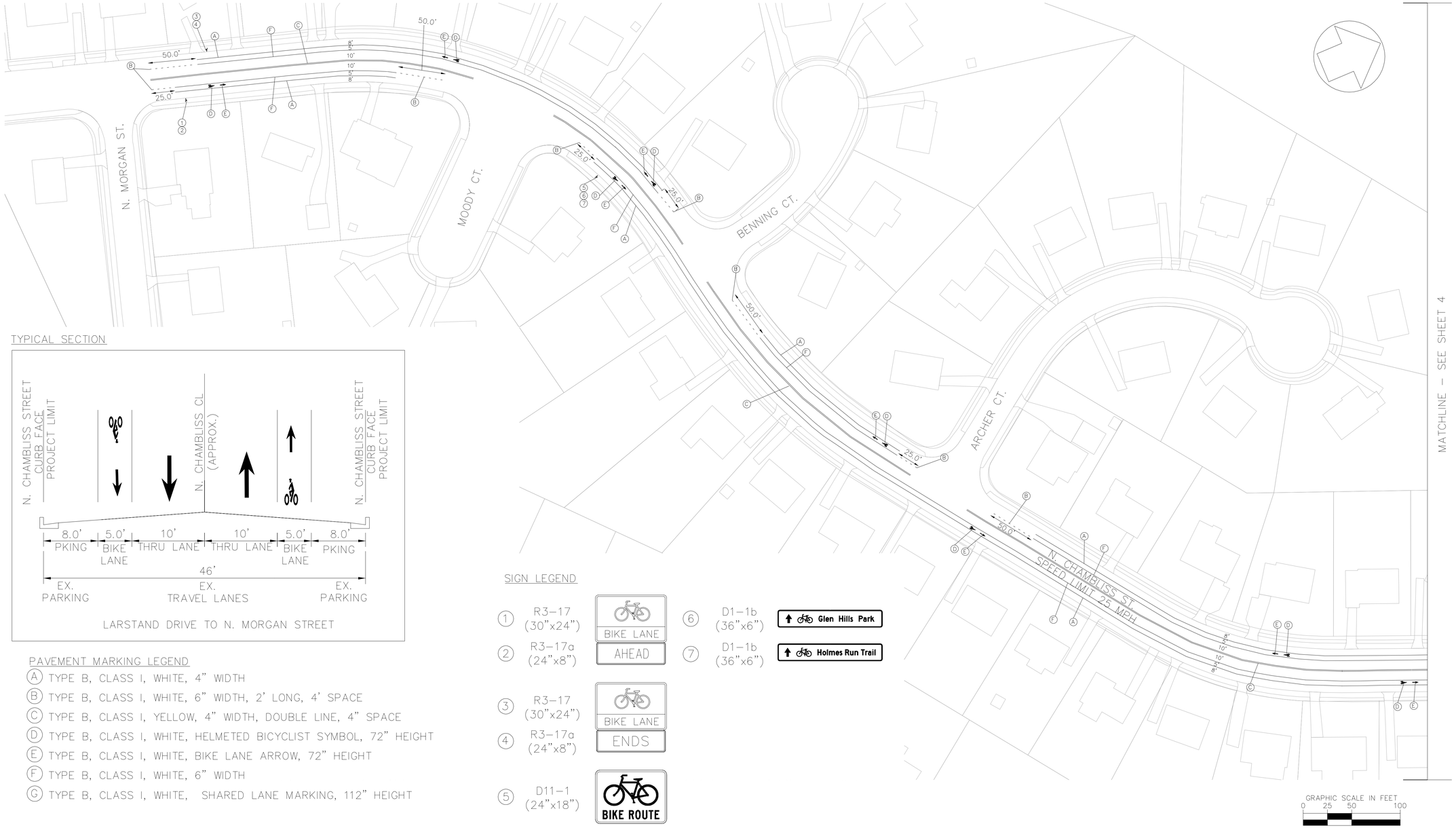

TYPICAL SECTION

PAVEMENT MARKING LEGEND

- (A) TYPE B, CLASS I, WHITE, 4" WIDTH
- (B) TYPE B, CLASS I, WHITE, 6" WIDTH, 2' LONG, 4' SPACE
- (C) TYPE B, CLASS I, YELLOW, 4" WIDTH, DOUBLE LINE, 4" SPACE
- (D) TYPE B, CLASS I, WHITE, HELMETED BICYCLIST SYMBOL, 72" HEIGHT
- (E) TYPE B, CLASS I, WHITE, BIKE LANE ARROW, 72" HEIGHT
- (F) TYPE B, CLASS I, WHITE, 6" WIDTH
- (G) TYPE B, CLASS I, WHITE, SHARED LANE MARKING, 112" HEIGHT

SIGN LEGEND

1	R3-17 (30"x24")	BIKE LANE	6	D1-1b (36"x6")	Glen Hills Park
2	R3-17a (24"x8")	AHEAD	7	D1-1b (36"x6")	Holmes Run Trail
3	R3-17 (30"x24")	BIKE LANE			
4	R3-17a (24"x8")	ENDS			
5	D11-1 (24"x18")	BIKE ROUTE			

GRAPHIC SCALE IN FEET
0 25 50 100

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CITY OF ALEXANDRIA, VIRGINIA

BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION SIGNING AND MARKING PLANS

NORTH CHAMBLISS STREET
N. MORGAN STREET TO LOWELL AVENUE

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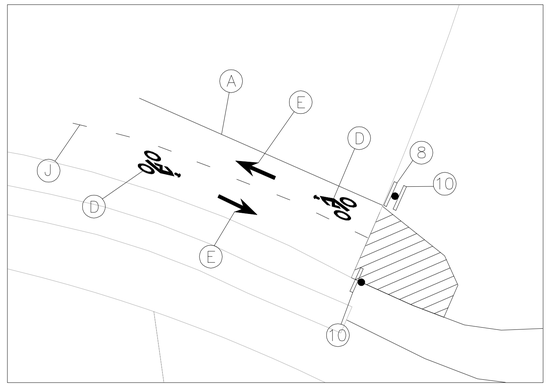

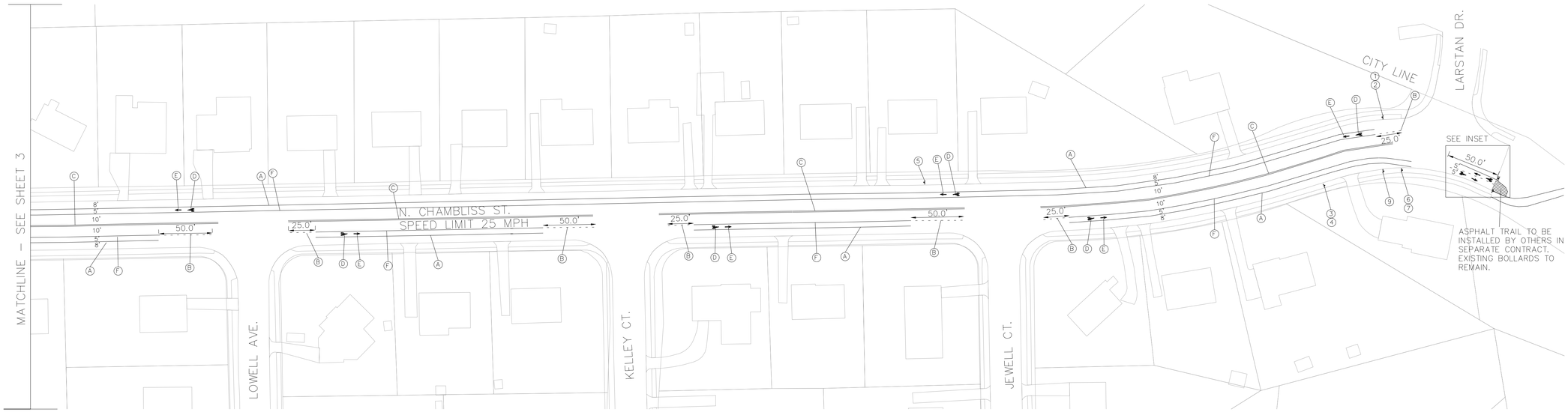

TYPICAL SECTION

PAVEMENT MARKING LEGEND

- (A) TYPE B, CLASS I, WHITE, 4" WIDTH
- (B) TYPE B, CLASS I, WHITE, 6" WIDTH, 2' LONG, 4' SPACE
- (C) TYPE B, CLASS I, YELLOW, 4" WIDTH, DOUBLE LINE, 4" SPACE
- (D) TYPE B, CLASS I, WHITE, HELMETED BICYCLIST SYMBOL, 72" HEIGHT
- (E) TYPE B, CLASS I, WHITE, BIKE LANE ARROW, 72" HEIGHT
- (F) TYPE B, CLASS I, WHITE, 6" WIDTH
- (G) TYPE B, CLASS I, WHITE, SHARED LANE MARKING, 112" HEIGHT
- (H) WHITE, EXISTING PARKING (TO BE REMOVED)
- (I) YELLOW, EXISTING DOUBLE LINE (TO BE REMOVED)
- (J) TYPE B, CLASS I, YELLOW, 6" WIDTH, 2' LONG 4' SPACE

SIGN LEGEND

1	R3-17 (30"x24")	BIKE LANE	6	D1-1b (36"x6")	Glen Hills Park
2	R3-17a (24"x8")	AHEAD	7	D1-1b (36"x6")	Holmes Run Trail
3	R3-17 (30"x24")	BIKE LANE	8	R7-1 (12"X18")	NO PARKING ANY TIME
4	R3-17a (24"x8")	ENDS	9	R7-1 (12"X18")	NO PARKING ANY TIME
5	D11-1 (24"x18")	BIKE ROUTE	10	R9-6 (12"X18")	YIELD TO PEDS

GRAPHIC SCALE IN FEET
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