

CITY OF ALEXANDRIA COMPLETE STREETS TO-10-LYNHAVEN NEIGHBORHOOD SLOW ZONE CONCEPTUAL PLANS

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PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO

AND TRAFFIC CALMING MEASURES ON

AND WEST OF RICHMOND HIGHWAY.

THE PLANS INCLUDE INSTALLATION OF

EXTENSIONS, GATEWAY TREATMENTS AT

ENTRY POINTS, AND SPEED CUSHIONS.

DEVELOP A CONCEPTUAL PLAN FOR SAFETY

STREETS IN THE LYNHAVEN NEIGHBORHOOD

LOCATED EAST OF COMMONWEALTH AVENUE

PAVEMENT MARKINGS AND SIGNAGE, CURB

- E REED AVENUE AND LYNHAVEN DRIVE
- EVANS LANE
- WESMOND DRIVE
- MONTROSE AVENUE
- WILSON AVENUE
- E REED AVENUE AT ROUTE 1



SCALE: 1" = 3000'

CONTACTS

CITY OF ALEXANDRIA TRANSPORTATION AND ENVIRONMENTAL SERVICES CITY HALL 301 KING STREET, SUITE 3600 ALEXANDRIA, VA 22314 TEL: (703) 746-4408 FAX: (703) 212-8405 CONTACT: ALEXANDRIA CARROLL, COMPLETE STREETS PROGRAM MANAGER <u>CIVIL ENGINEER</u> KIMLEY-HORN AND ASSOCIATES 11400 COMMERCE PARK DRIVE, SUITE 400 RESTON, VA 20191 TEL: (703) 674-1300 FAX: (703) 674-1350 CONTACT: DAVID SAMBA, P.E.

Kimley» Horn 4/13/23

SHEET NUMBER

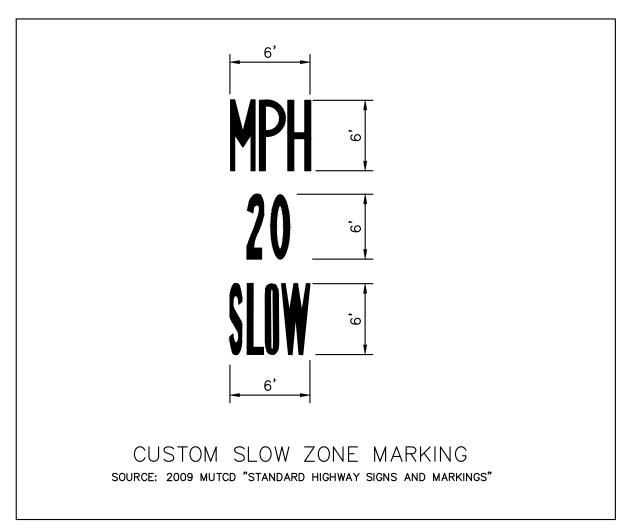
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1" = 25

- 1. ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH CITY OF ALEXANDRIA CONSTRUCTION STANDARDS.
- 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. LIMITS OF PARKING LANE MARKINGS ARE APPROXIMATE.
- 6. PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER CONSTRUCTIONS.
- 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.
- 8. PROPOSED SIGNS AND POSTS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
- 9. PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10 FEET.
- 10. FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT THERE ARE NOT CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES.
- 11. 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.
- 12. 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.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, SIDEWALK, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.
- 14. INSTALLATION OF TRAFFIC SEPARATOR IS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. DIMENSIONS, MATERIALS. AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS. COLOR OF SEPARATOR SHALL MATCH COLOR OF APPLICABLE EDGE LINE.
- 15. 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.
- 16. 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.
- 17. 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

- 18. 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 DEPARTMENT OF EMERGENCY AND CUSTOMER COMMUNICATIONS AT 703-746-4444.
- 19. ALL EXISTING RESIDENTIAL AND COMMERCIAL ENTRANCES SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- 20. SIDEWALKS AND CROSSWALKS SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- 21. ALL LANE WIDTHS SHALL BE A MINIMUM OF 10 FEET DURING CONSTRUCTION.
- 22. LANE CLOSURES REQUIRE A MINIMUM OF 5 BUSINESS DAYS ADVANCE NOTICE TO CITY ENGINEER FOR APPROVAL.
- 23. 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.
- 24. 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 OR HER EXPENSE.
- 25. INSTALLATION OF FLEXIBLE POSTS IS 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.



CUSTOM NEIGHBORHOOD SLOW ZONE DETAIL NOT TO SCALE

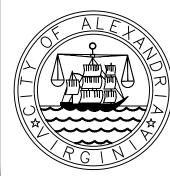


		PANEL SIZE			PROPOSED
	MUTCD STANDARD	W	Н	- QUANTITY	SIGN STRUCTURE STD.
	W11-2*	30"	30"	4	STP-1 SPD-5 TYPE C
	W16-7P*	24"	12"	5	
	W11-2*	30"	30"	2	STP-1 SPD-5 TYPE C
AHEAD	W16-9P*	24"	12"	2	
SPEED HUMP	W17-1*	30"	30"	16	STP-1 SPD-5 TYPE C
NEIGHBORHOOD SLOW ZONE	CUSTOM	18"	24"	5	STP-1 SPD-5 TYPE C
NO PARKING ANY TIME	R7-1 (LEFT)	12"	18"	2	STP-1 SPD-5 TYPE A
NO PARKING ANY TIME	R7-1 (RIGHT)	12"	18"	2	STP-1 SPD-5 TYPE A
SPEED LIMIT 20	R2-1	24"	30"	8	STP-1 SPD-5 TYPE A
NO PARKING HERE TO CORNER	R7-11	12"	18"	2	STP-1 SPD-5 TYPE A

*FLUORESCENT YELLOW-GREEN BACKGROUND COLOR FOR SIGN

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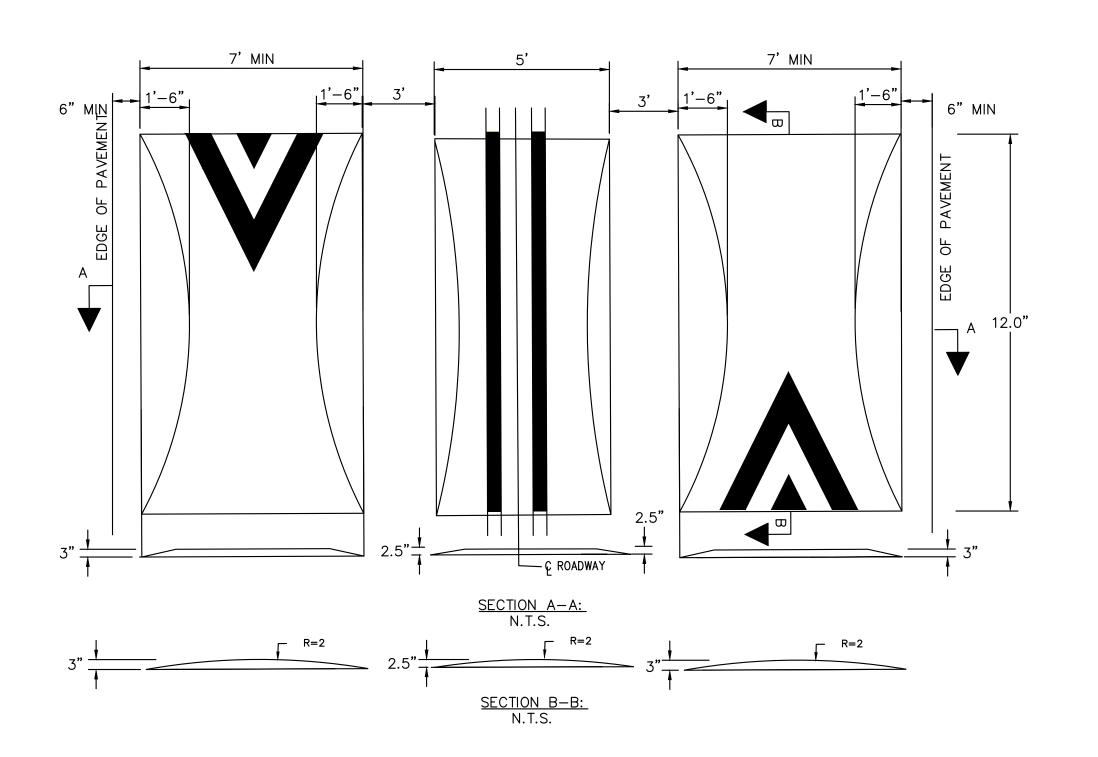
R = 3"

CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10

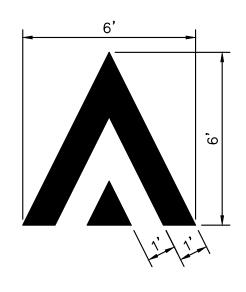
2A GENERAL NOTES

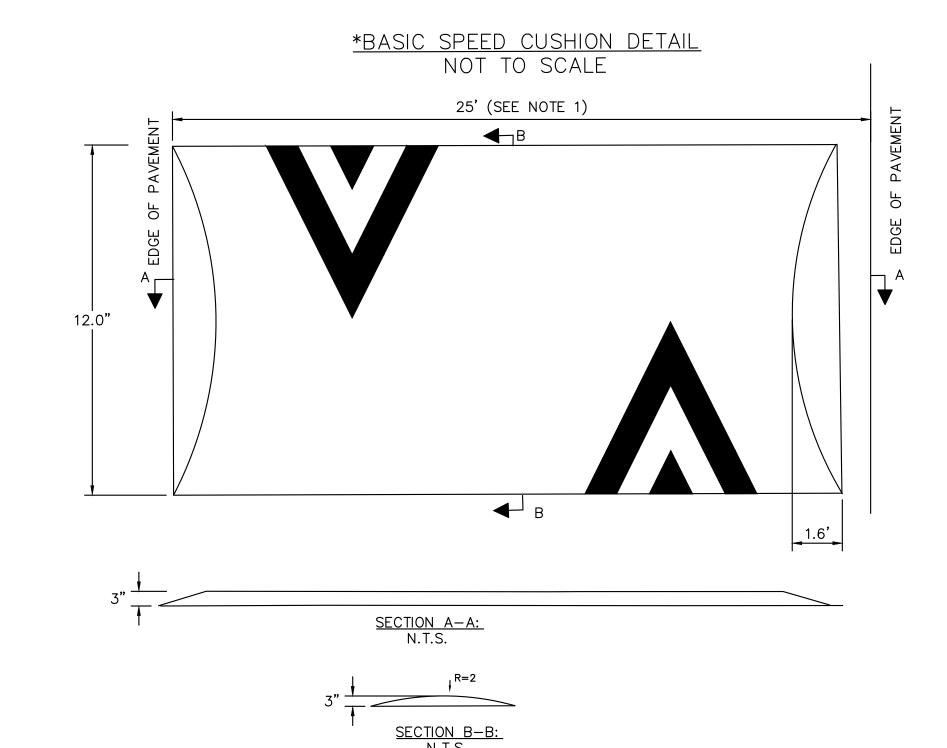
DATE SHEET NUMBER 4/13/23 SCALE

*THREE-PIECE SPEED CUSHION DETAIL NOT TO SCALE



SPEED CUSHION PAVEMENT MARKING DETAIL
NOT TO SCALE

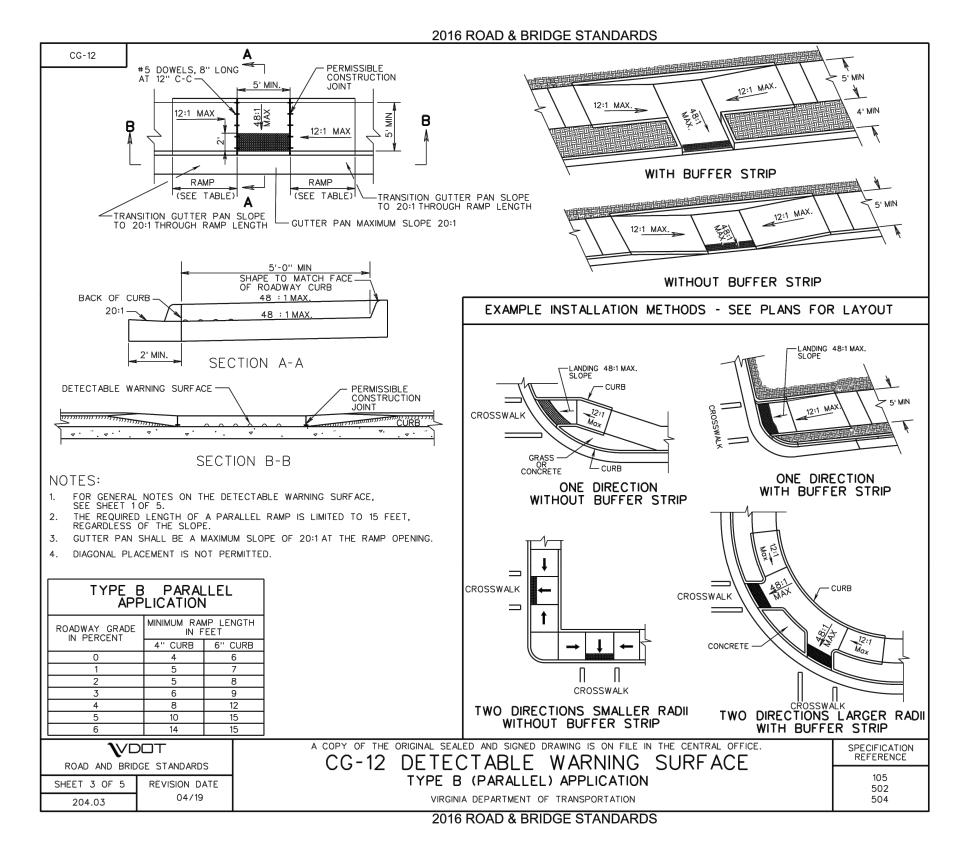


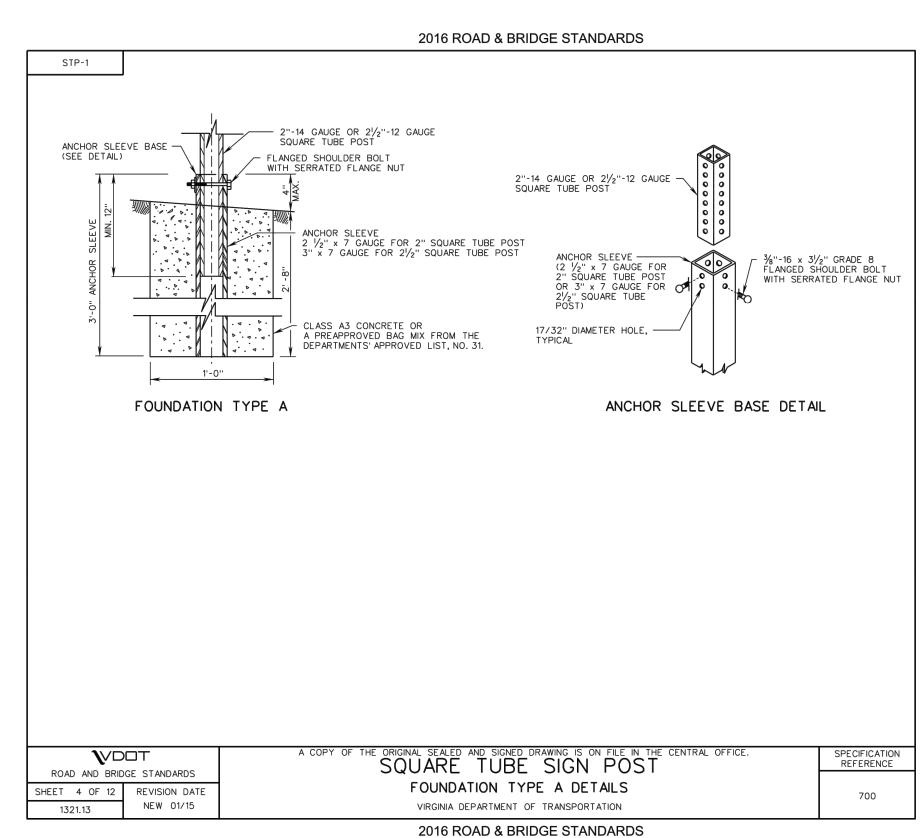


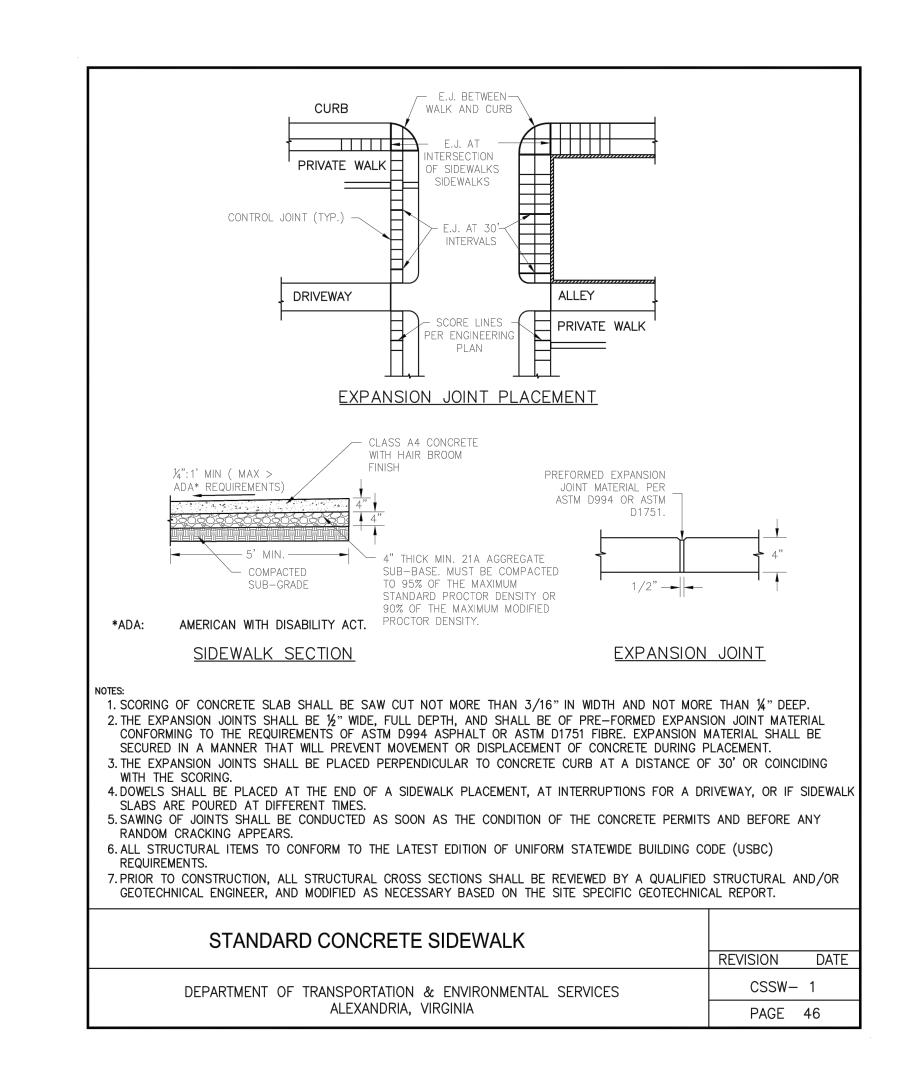
1. THE SPEED CUSHION WIDTH ALONG WESMOND DRIVE AND LYNHAVEN DRIVE SHOULD BE ADJUSTED TO APPROXIMATELY 30 FEET.

*ORIGINAL DETAIL PROVIDED BY THE CITY OF ALEXANDRIA





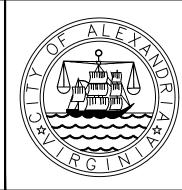






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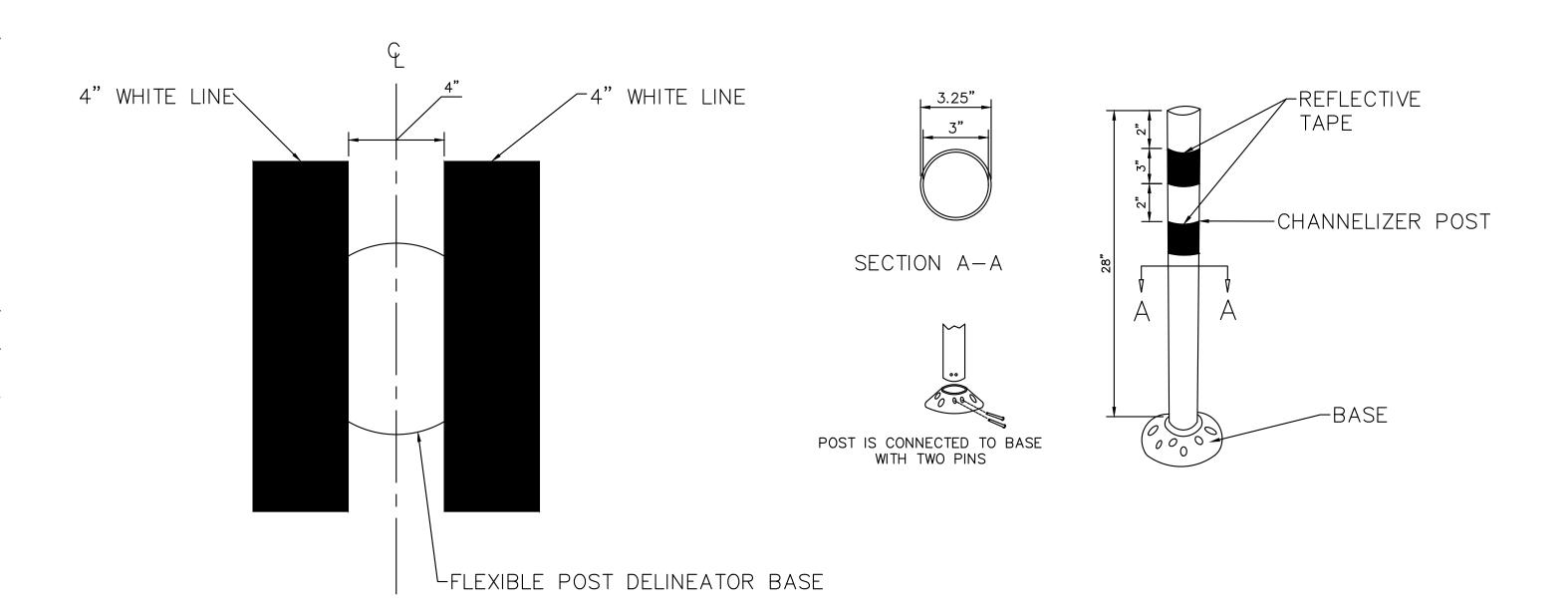


CITY OF ALEXANDRIA COMPLETE STREETS
TASK ORDER 10
LYNHAVEN NEIGHBORHOOD SLOW ZONE

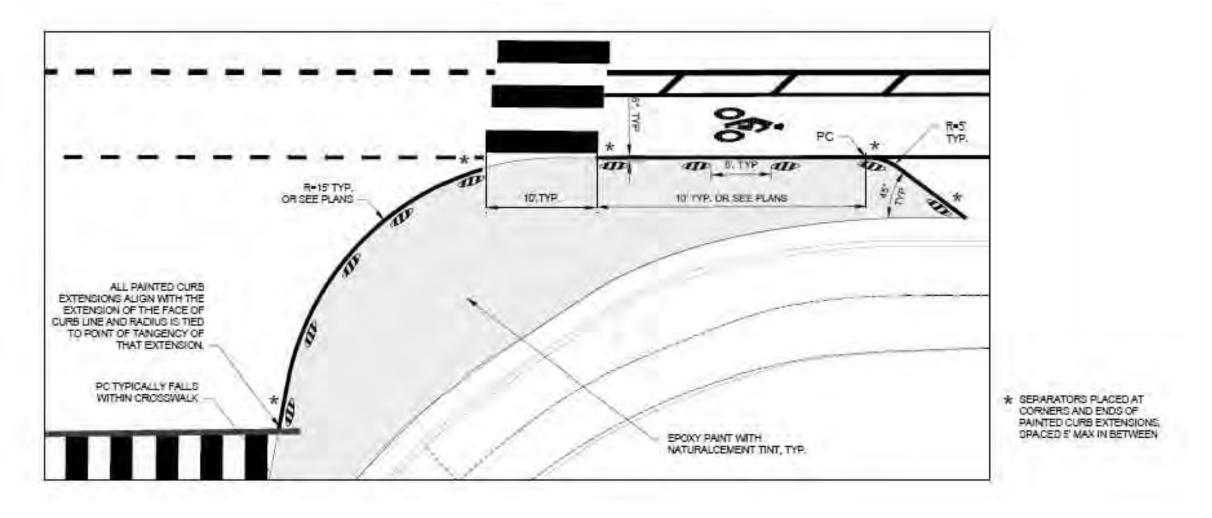
DATE	SHEET NUMBER	
4/13/23	2B	
SCALE		

FLEXIBLE POST DELINEATOR (FPD) LOCATION NOT TO SCALE

FLEXIBLE POST DELINEATOR (FPD) DETAIL NOT TO SCALE



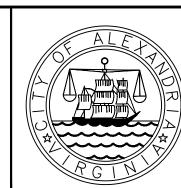
PAINTED CURB EXTENSION DETAIL NOT TO SCALE



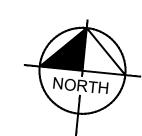
NOTE: TRAFFIC SEPARATORS ARE NOT INCLUDED IN THIS DESIGN PLAN. ASSUME A 15-FOOT RADIUS EXCEPT WHERE DIMENSIONS SHOW DIFFERENTLY ON PLANS.

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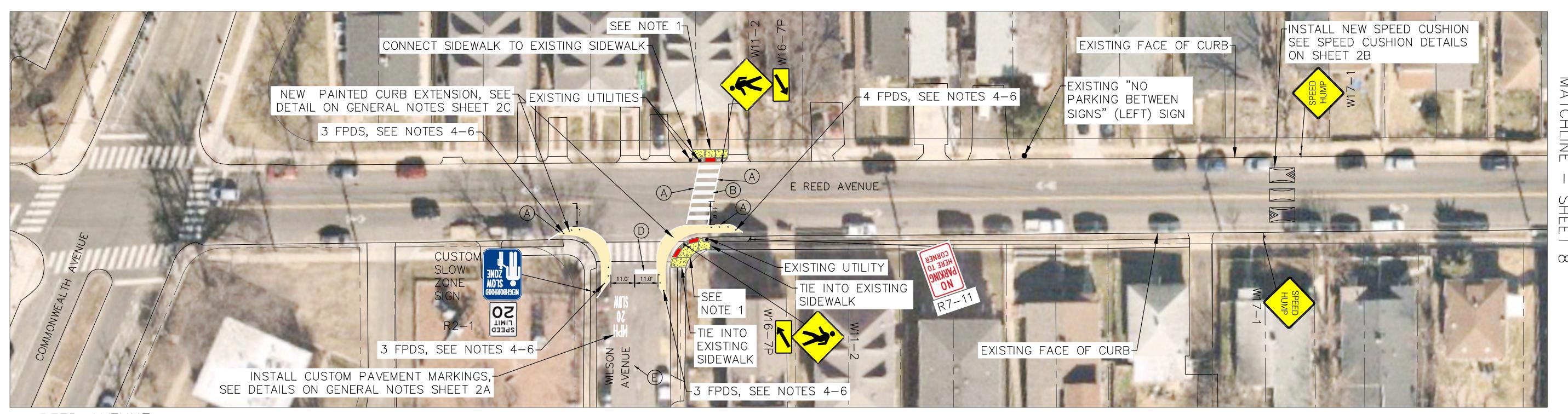


CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

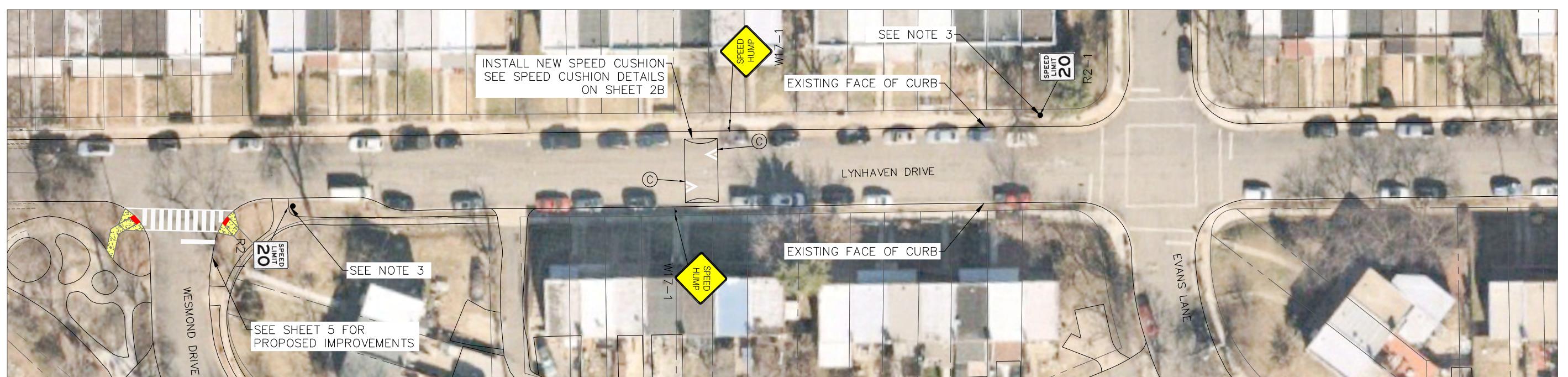
2D STUDY AREA LOCATION

DATE SHEET NUMBER 4/13/23 2D

SCALE



E REED AVENUE



GRAPHIC SCALE IN FEET 0 12.5 25 50

IYNHAVEN DRIVE AT WESMOND DRIVE AND EVANS LANE

PAVEMENT MARKING LEGEND

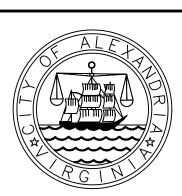
- A) TYPE B, CLASS 1, WHITE, 6" WIDTH
- (B) TYPE B, CLASS 1, WHITE, 24" WIDTH, 24" SPACE, 10' LONG
- (C) TYPE B, CLASS I, WHITE, 12" WIDTH, 12" SPACE
- D TYPE B, CLASS 1, WHITE, 24" WIDTH
- E TYPE B, CLASS 1, DOUBLE YELLOW, 4" WIDTH

<u>NOTES</u>

- 1. INSTALL NEW ADA CURB RAMP. SEE CG-12 DETAIL ON SHEET 2B.
- 2. ALL SIGNS SHOWN ON PLAN TO BE INSTALLED ON NEW POLES EXCEPT WHERE OTHERWISE NOTED.
- 3. REMOVE EXISTING 25 MPH SPEED SIGN AND REPLACE WITH 20 MPH SPEED LIMIT SIGN. REMOUNT EXISTING "NO PARKING" SIGN.
- 4. FPDS = FLEXIBLE POST DELINEATORS.
- 5. SEE GENERAL NOTES SHEET 2C FOR FLEXIBLE POST DELINEATOR SPECIFICATIONS.
- 6. FPDS SHALL BE EVENLY SPACED.

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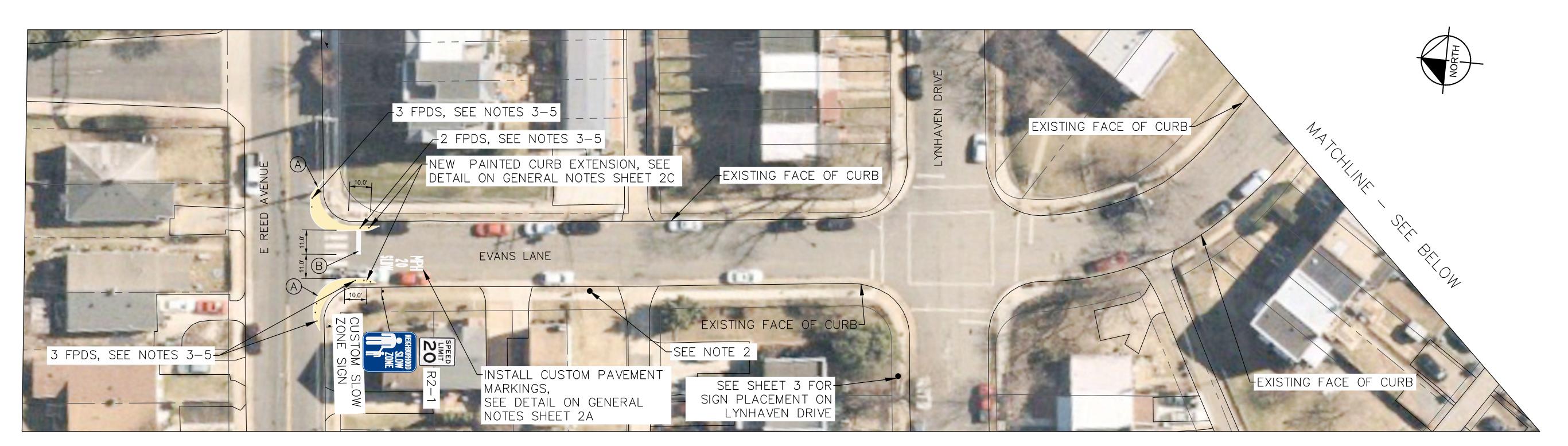
CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

E REED AVENUE AND LYNHAVEN DRIVE

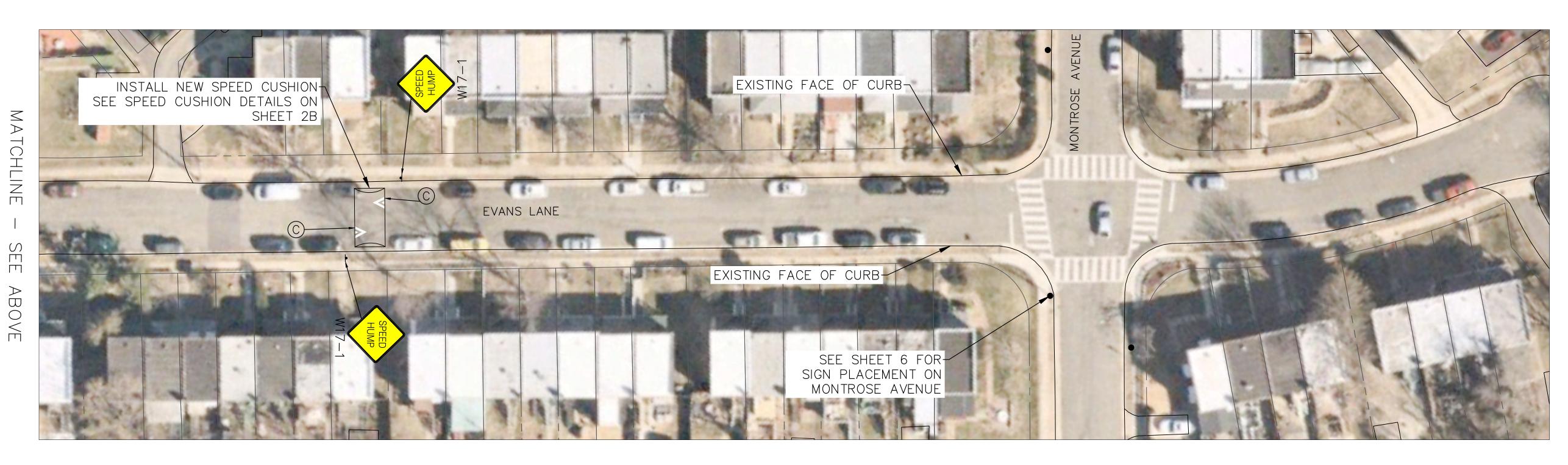
DATE SHEET NUMBER 4/13/23

1" = 25'

1 ",









GRAPHIC SCALE IN FEET
0 12.5 25 50

PAVEMENT MARKING LEGEND

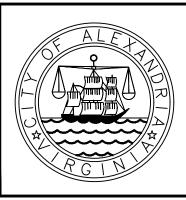
- A) TYPE B, CLASS 1, WHITE, 6" WIDTH
- (B) TYPE B, CLASS 1, WHITE, 24" WIDTH
- TYPE B, CLASS I, WHITE, 12" WIDTH, 12" SPACE

<u>NOTES</u>

- 1. ALL SIGNS SHOWN ON PLAN TO BE INSTALLED ON NEW POLES EXCEPT WHERE OTHERWISE NOTED.
- 2. REMOVE EXISTING 25 MPH SPEED SIGN. EXISTING "NO PARKING" SIGN TO REMAIN.
- 3. FPDS = FLEXIBLE POST DELINEATORS.
- 4. SEE GENERAL NOTES SHEET 2C FOR FLEXIBLE POST DELINEATOR SPECIFICATIONS.
- 5. FPDS SHALL BE EVENLY SPACED.

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CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

EVANS LANE

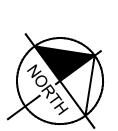
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1" = 25'

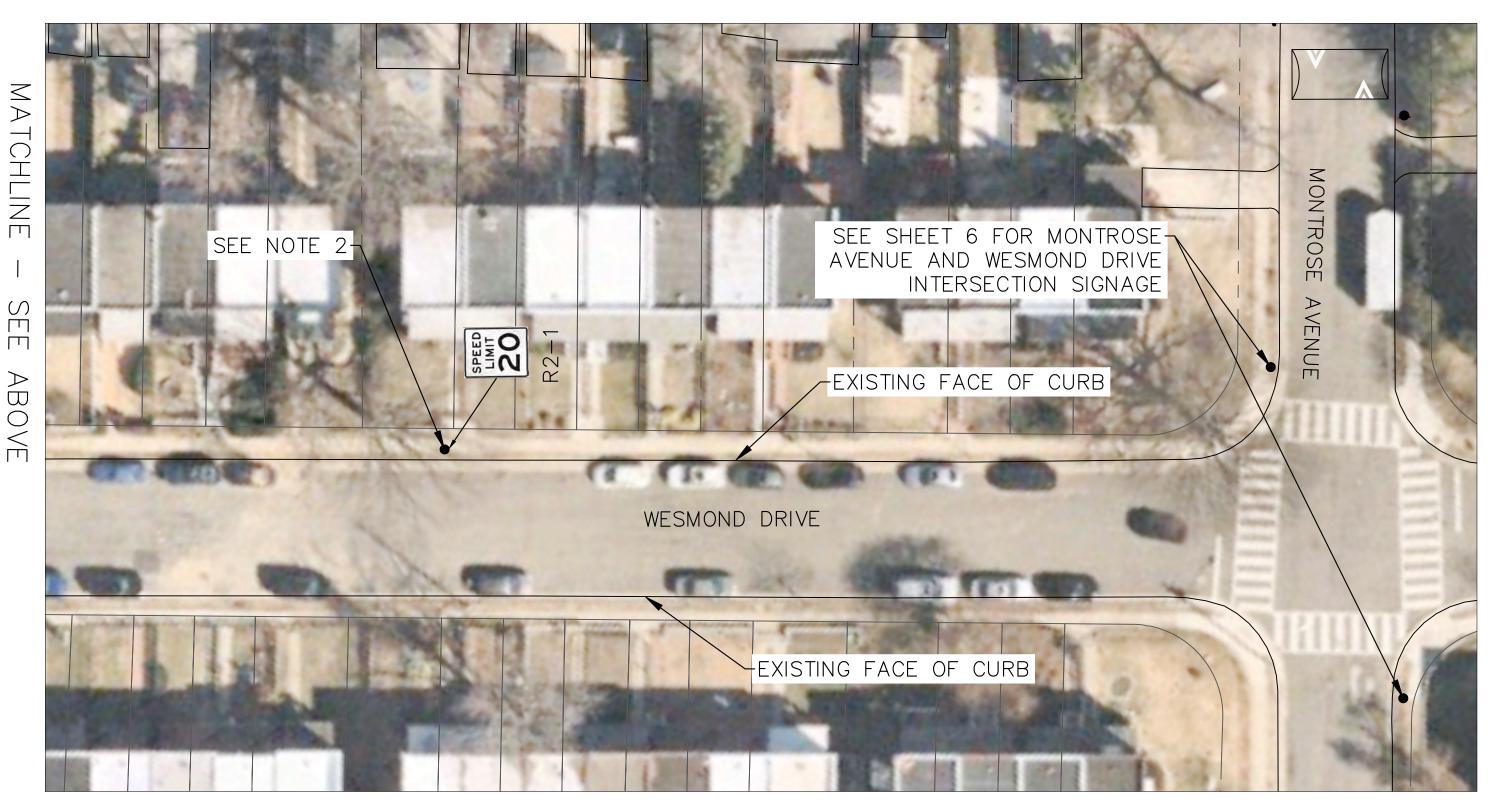
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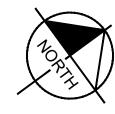
VANS LANE

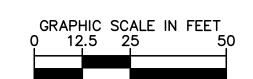


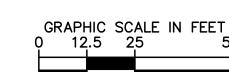










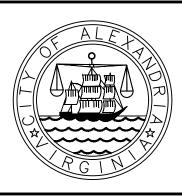


- A TYPE B, CLASS 1, WHITE, 6" WIDTH
- TYPE B, CLASS 1, WHITE, 24" WIDTH, 24" SPACE, 10' LONG
- TYPE B, CLASS I, WHITE, 12" WIDTH, 12" SPACE
- D TYPE B, CLASS 1, WHITE, 24" WIDTH

<u>NOTES</u>

- 1. ALL SIGNS SHOWN ON PLAN TO BE INSTALLED ON NEW POLES EXCEPT WHERE OTHERWISE NOTED.
- 2. REMOVE EXISTING 25 MPH SPEED SIGN AND REPLACE WITH 20 MPH SPEED LIMIT SIGN. REMOUNT EXISTING "NO PARKING" SIGN.
- 3. INSTALL NEW ADA CURB RAMP. SEE CG-12 DETAIL ON SHEET 2B.
- 4. REMOVE EXISTING CURB RAMPS ON BOTH SIDES OF THE STREETS AND REPLACE WITH GRASS.

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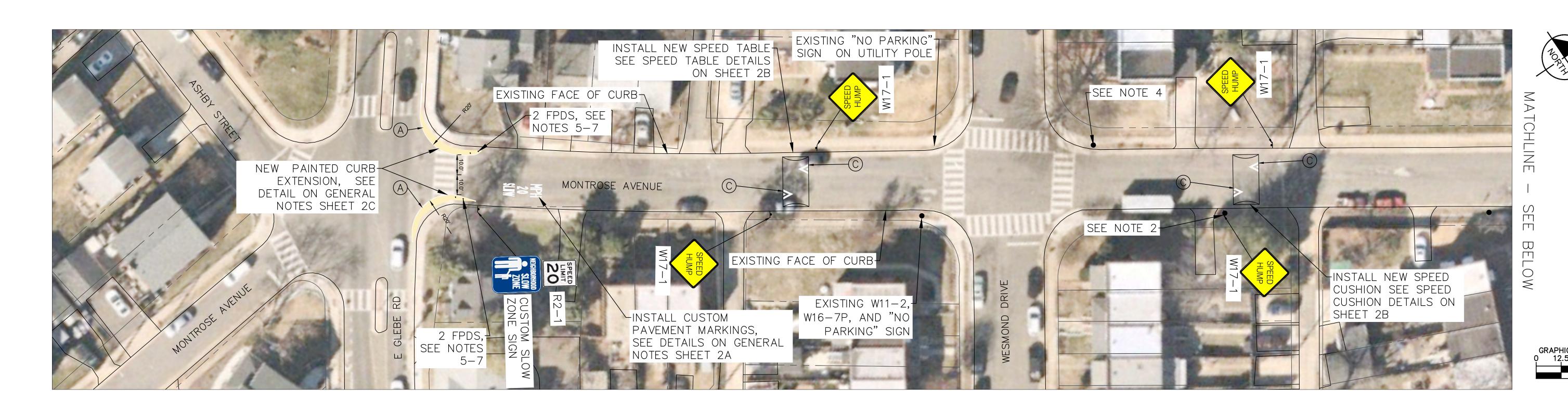


CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

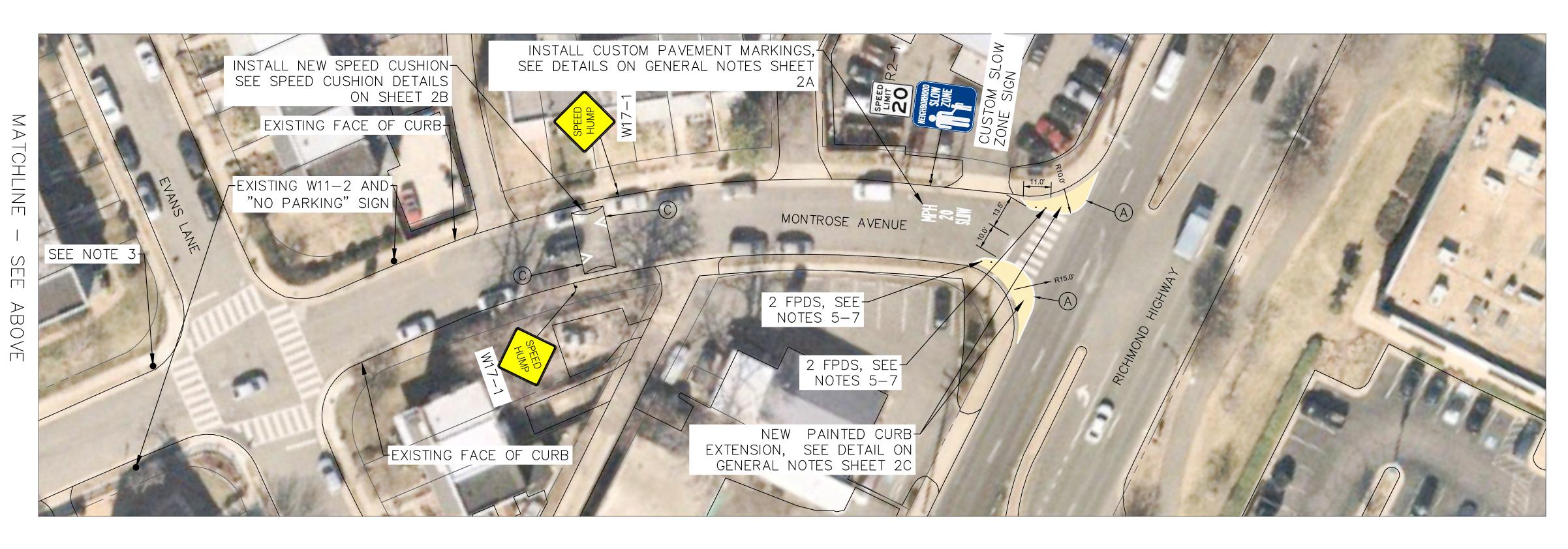
WESMOND DRIVE

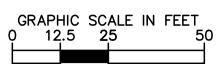
DATE SHEET NUMBER 4/13/23

SCALE









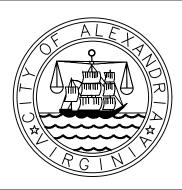
- A TYPE B, CLASS 1, WHITE, 6" WIDTH
- B TYPE B, CLASS 1, WHITE, 24" WIDTH, 24" SPACE, 10' LONG
- © TYPE B, CLASS I, WHITE, 12" WIDTH, 12" SPACE

<u>NOTES</u>

- 1. ALL SIGNS SHOWN ON PLAN TO BE INSTALLED ON NEW POLES EXCEPT WHERE OTHERWISE NOTED.
- 2. REMOVE EXISTING 25 MPH SPEED SIGN. EXISTING "NO PARKING" SIGN TO REMAIN. USE EXISTING MOUNTING POLE FOR PROPOSED W7-1.
- 3. REMOVE EXISTING 25 MPH SPEED SIGN ON UTILITY POLE. EXISTING "NO PARKING" SIGN TO REMAIN.
- 4. EXISTING W11-2 TO REMAIN. ADD PROPOSED W16-7P BELOW W11-2 AND REMOUNT EXISTING "NO PARKING" SIGN.
- 5. FPDS = FLEXIBLE POST DELINEATORS.
- 6. SEE GENERAL NOTES SHEET 2C FOR FLEXIBLE POST DELINEATOR SPECIFICATIONS.
- 7. FPDS SHALL BE EVENLY SPACED.

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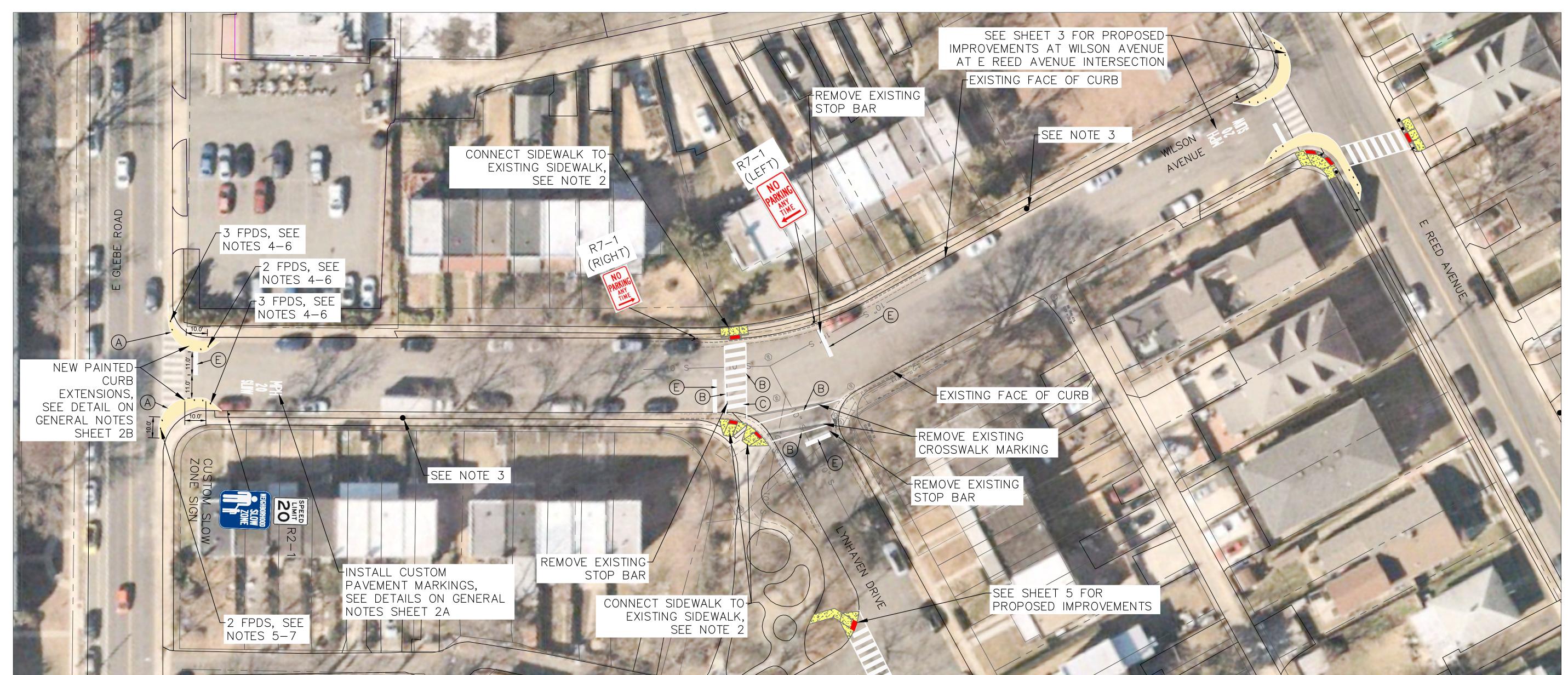


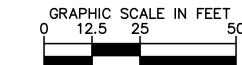
CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

DATE SHEET NUMBER 4/13/23

SCALE 1" = 25'

MONTROSE AVENUE



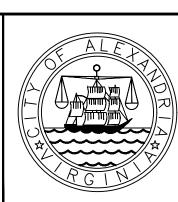


- A) TYPE B, CLASS 1, WHITE, 6" WIDTH
- B) TYPE B, CLASS 1, WHITE, 4" WIDTH
- TYPE B, CLASS 1, WHITE, 24" WIDTH, 24" SPACE, 10' LONG
- D TYPE B, CLASS 1, DOUBLE YELLOW, 4" WIDTH
- TYPE B, CLASS 1, WHITE, 24" WIDTH

<u>NOTES</u>

- 1. ALL SIGNS SHOWN ON PLAN TO BE INSTALLED ON NEW POLES EXCEPT WHERE OTHERWISE NOTED.
- 2. INSTALL NEW ADA CURB RAMP. SEE CG-12 DETAIL ON SHEET 2A.
- 3. REMOVE EXISTING 25 MPH SPEED SIGN ON EXISTING UTILITY POLE. KEEP
- EXISTING "NO PARKING" SIGN (IF APPLICABLE).
 4. FPDS = FLEXIBLE POST DELINEATORS.
- 5. SEE GENERAL NOTES SHEET 2C FOR FLEXIBLE POST DELINEATOR SPECIFICATIONS.
- 6. FPDS SHALL BE EVENLY SPACED.



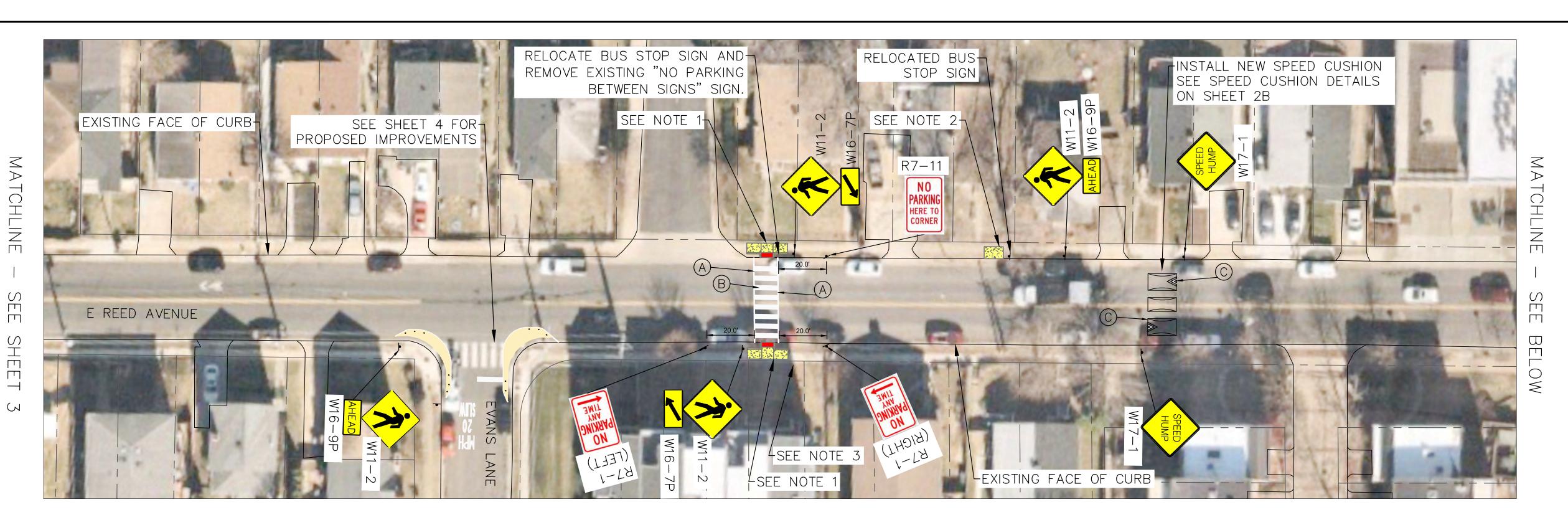


CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

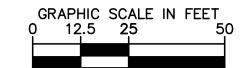
WILSON AVENUE

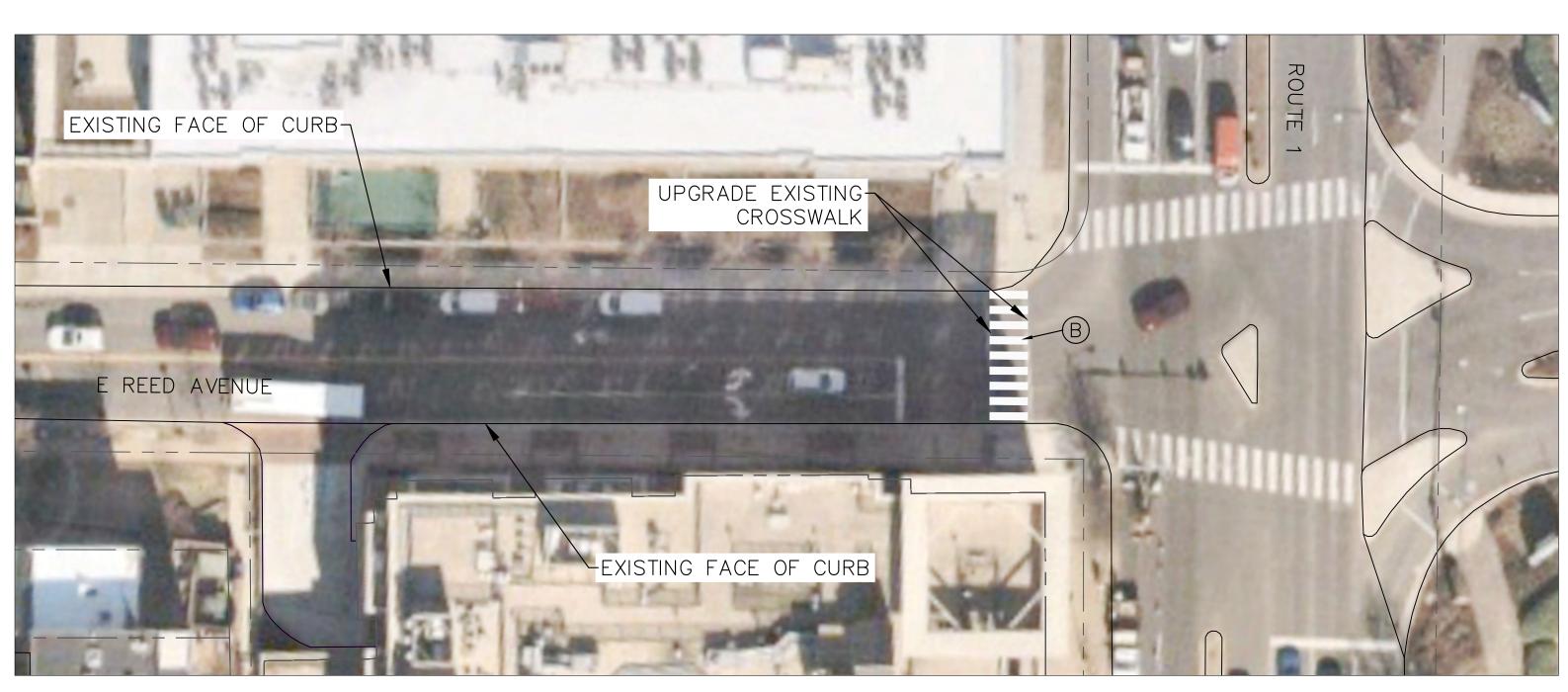
DATE SHEET NUMBER 4/13/23

SCALE

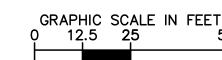












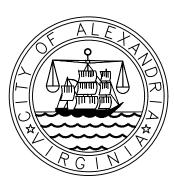
- A TYPE B, CLASS 1, WHITE, 6" WIDTH
- TYPE B, CLASS 1, WHITE, 24" WIDTH, 24" SPACE, 10' LONG
- © TYPE B, CLASS I, WHITE, 12" WIDTH, 12" SPACE

<u>NOTES</u>

- 1. INSTALL NEW ADA CURB RAMP. SEE CG-12 DETAIL ON SHEET 2A.
- 2. INSTALL NEW 5' BY 8' CLEAR ADA LANDING/BOARDING ZONE.
- 3. EXISTING TREE TO REMAIN. LOCATION OF RAMP TO BE FIELD VERIFIED.

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CITY OF ALEXANDRIA COMPLETE STREETS TASK ORDER 10 LYNHAVEN NEIGHBORHOOD SLOW ZONE

E REED AVENUE AT ROUTE 1

DATE SHEET NUMBER 4/13/23

SCALE

100% SUBMITTAL

SEE

ABOVE