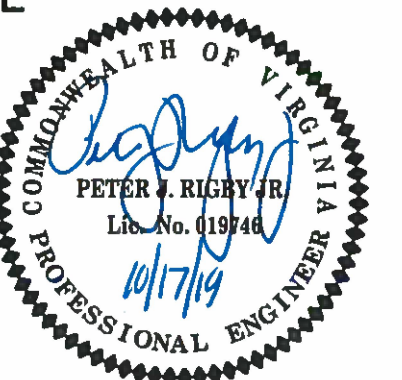


SEAL



 12.10.2019
QUALITY CONTROL ENGINEER

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER, STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR 2/2/19

PROJECT MANAGER 12/10/19

REVISIONS	DATE
-----------	------

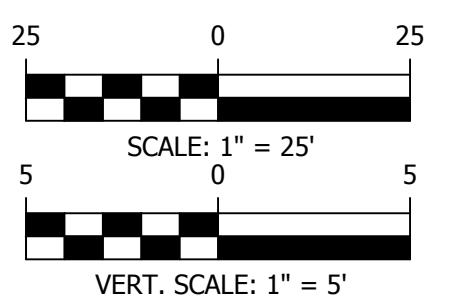
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET

RAMP DETAILS WAKEFIELD CR2

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

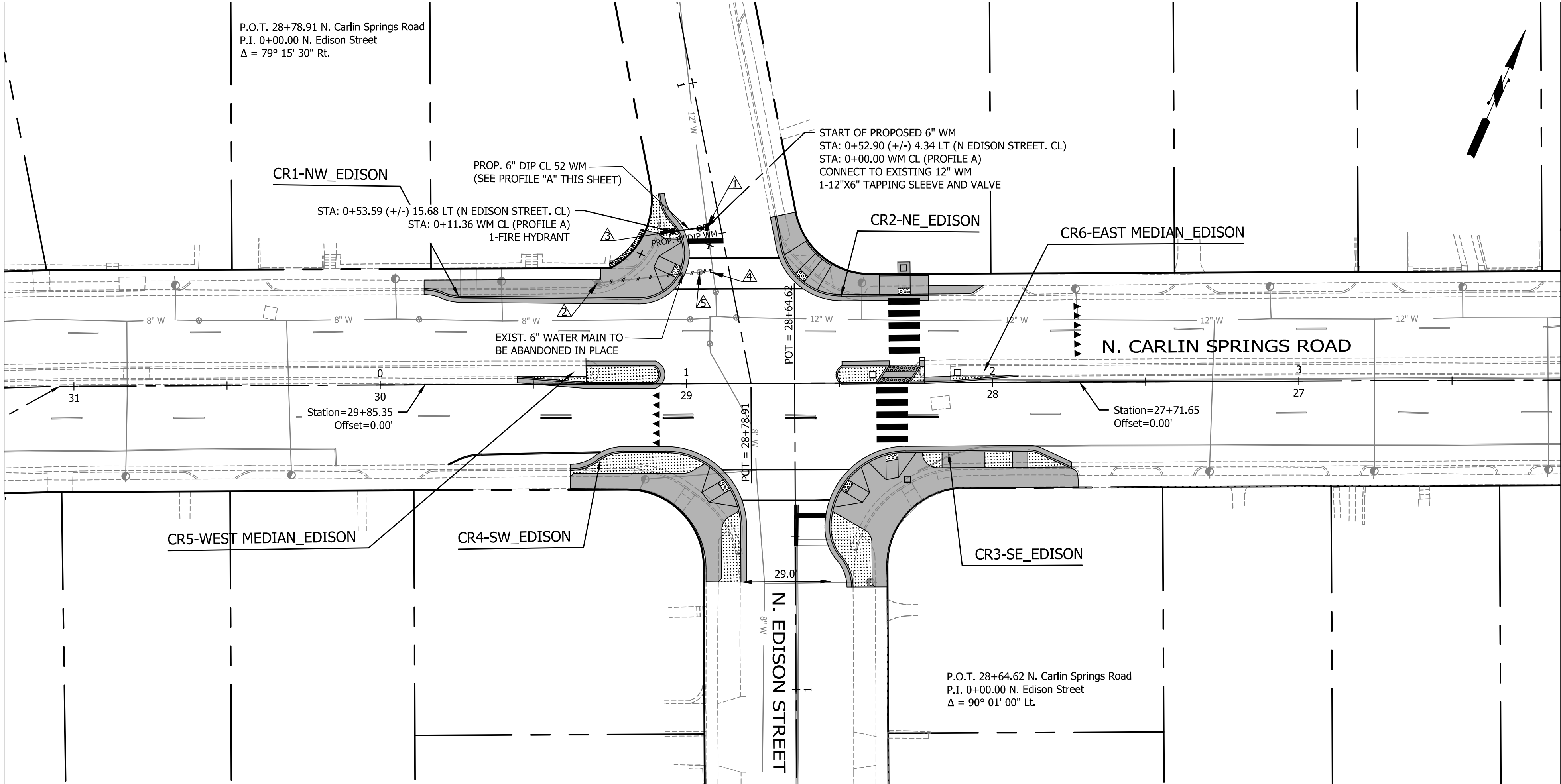
SCALE:



REVISED ON 05/23/2018

FILENAME: DC14-240-WATERMAIN_PLAN_AND_PROFILE_EDISON.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90.100.PCT ARCHIVE PLOTTED BY: JROJAS

N EDISON STREET - PROPOSED 6-INCH FIRE HYDRANT ASSEMBLY



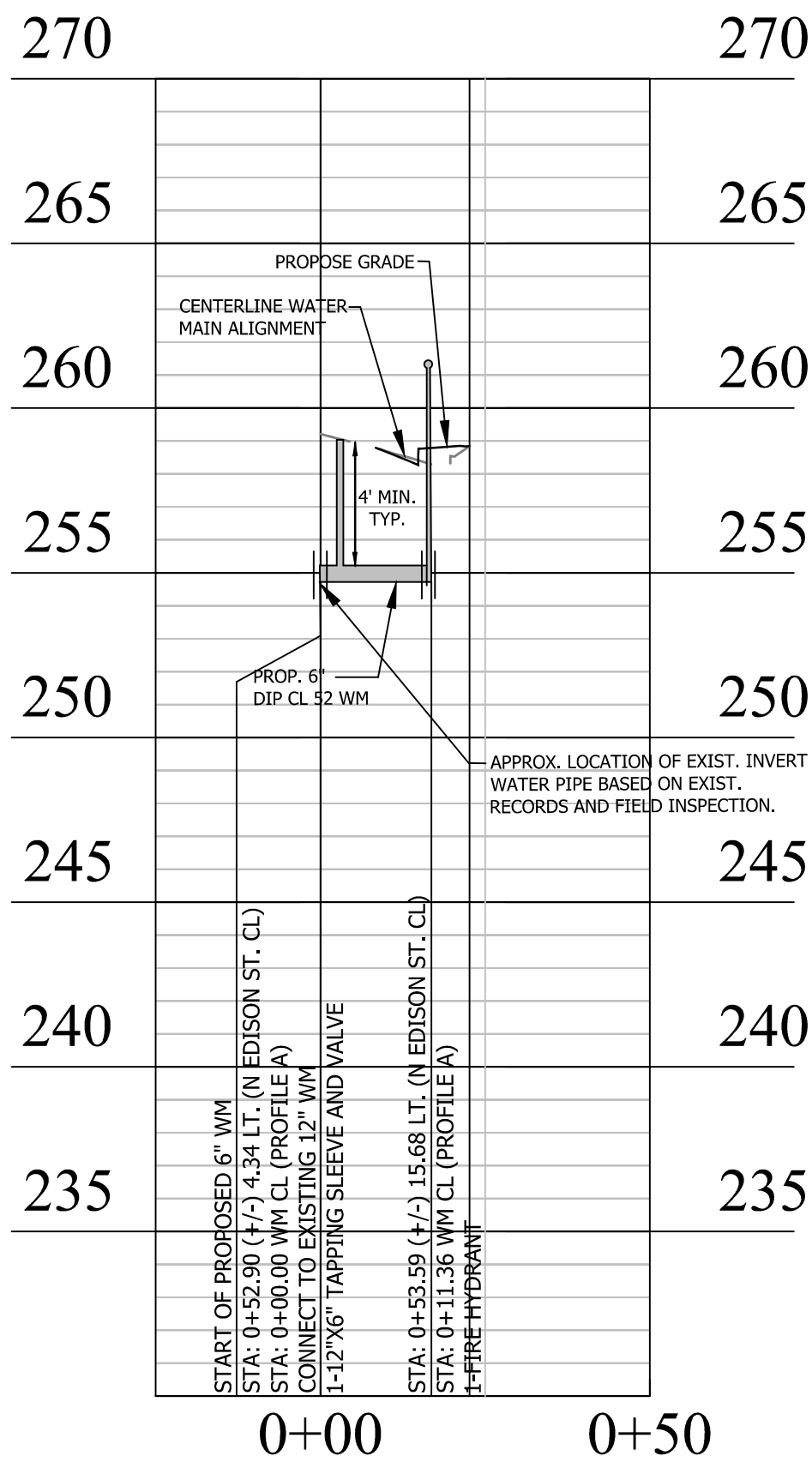
NOTES:

INDICATES EXISTING WATER MAIN TO BE ABANDONED IN PLACE AFTER THE CONSTRUCTION OF THE PROPOSED WATER MAIN. THE CONTRACTOR IS REQUIRED TO PERFORM TEST HOLES TO DETERMINE AND PROVIDE UTILITY CROSSINGS INFORMATION TO COUNTY PROJECT ENGINEER AND RECEIVE A FINAL CONSTRUCTION PLAN TO PROCEED CONSTRUCTION WORKS

WATER MAIN CONSTRUCTION NOTES:

1. INSTALL NEW 12" X 6" TAPPING SLEEVE AND VALVE
2. EXISTING FIRE HYDRANT TO BE REMOVED AND DISPOSED. THE CONTRACTOR IS REQUIRED TO CAP THE HYDRANT LEAD PIPE, INSTALL THRUST RESTRAINED BEHIND THE VALVE, ABANDON THE EXISTING VALVE IN PLACE AND REMOVE THE VALVE BOX AND STABILIZED THE VOID.
3. INSTALL NEW FIRE HYDRANT
4. CUT & CAP EXISTING 6" WM AT EXISTING 12" WM.
5. REMOVE AND DISPOSE EXISTING VALVE BOX AND COVER

PROFILE "A"



WATERMAIN NOTES:

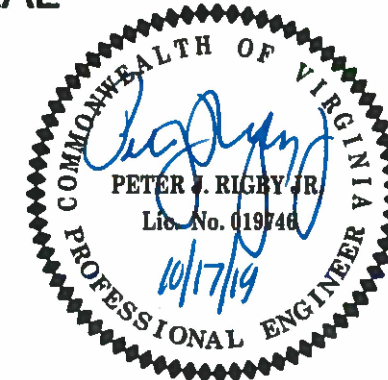
1. JOINTS TO BE RESTRAINED FOR PROFILE "A".



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

QUALITY CONTROL ENGINEER 12.10.2019
CONSTRUCTION MANAGEMENT SUPERVISOR 12/10/19
WATER, SEWER, STREETS BUREAU CHIEF 12/17/19
TRANSPORTATION DIRECTOR 12/17/19
PROJECT MANAGER 12/17/19

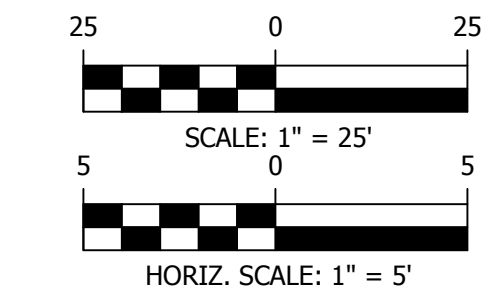
REVISIONS DATE

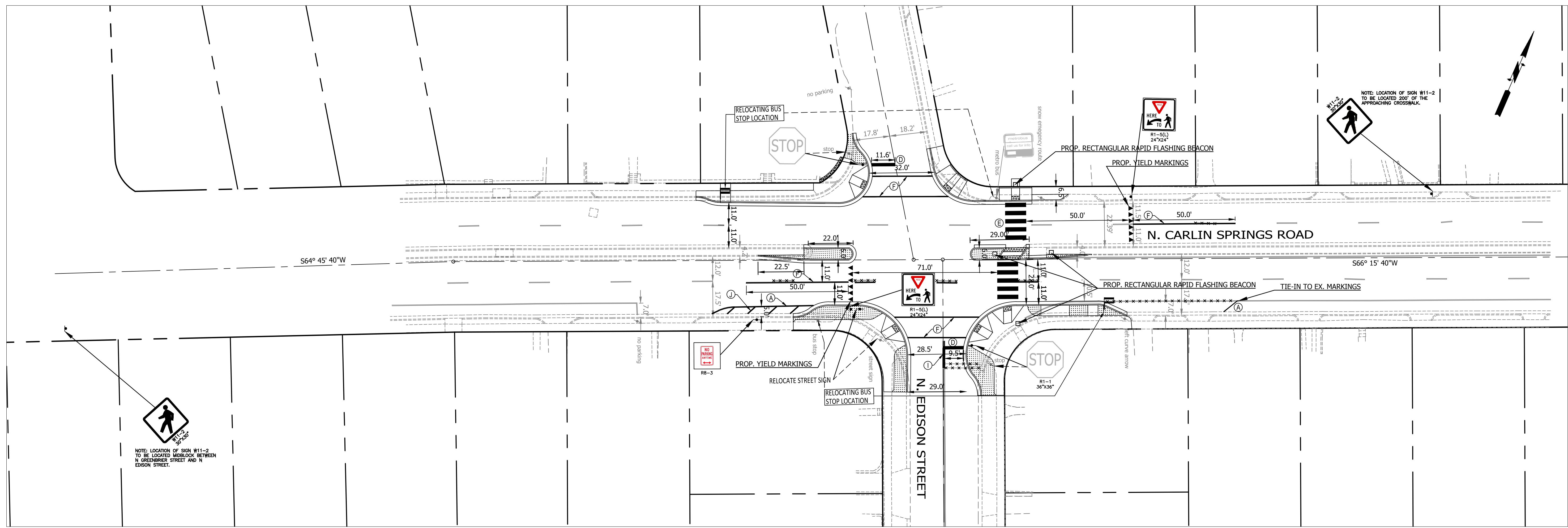
REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
WATERMAIN_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019

SCALE:





NOTE:
* = CONTRACTOR TO PROVIDE 2 - 4" PVC SLEEVE FOR BUS STOP POLE.

STANDARD PAVEMENT MARKING LEGEND:

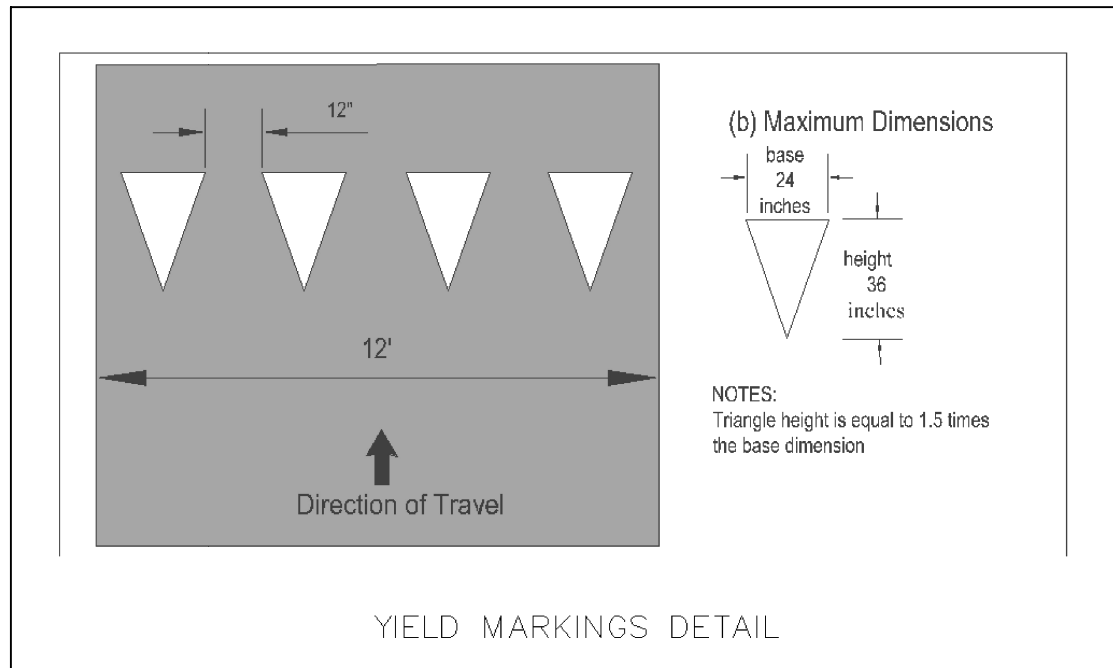
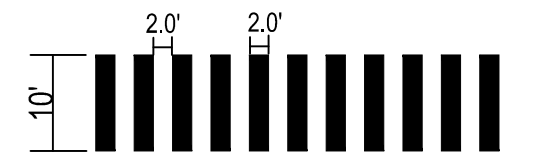
Ⓐ TYPE B CLASS 1.....WHITE 4" WIDTH	PARKING LANES, EDGE LINES, LANE LINES
Ⓑ TYPE B CLASS 1.....WHITE 4" WIDTH, 10' LONG, 30' SPACING	DASHED LANE LINES
Ⓒ TYPE B CLASS 1.....WHITE 4" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
Ⓓ TYPE B CLASS 1.....WHITE 18" WIDTH	STOP BARS
Ⓔ TYPE B CLASS 1.....WHITE 24" WIDTH	CONTINENTAL CROSS WALKS
Ⓕ TYPE B CLASS 1.....WHITE 6" WIDTH	TURN LANES, TRANSVERSE CROSSWALKS, BIKE LANES
Ⓖ TYPE B CLASS 1.....YELLOW 4" WIDTH, 10' LONG, 30' SPACING	DIVIDED TRAFFIC, TWO WAY TURN LANES
Ⓖ TYPE B CLASS 1.....YELLOW 4" WIDTH	EDGE LINES
Ⓛ TYPE B CLASS 1.....YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING	CENTERLINES
Ⓛ TYPE B CLASS 1.....WHITE 6" WIDTH, 10' SPACING @45 DEGREE	HATCH LINES, SAFETY ZONES
Ⓡ TYPE B CLASS 1.....WHITE SINGLE ARROW	TURN LANES
Ⓛ TYPE B CLASS 1.....WHITE COMBINATION ARROW	TURN LANES
Ⓜ TYPE B CLASS 1.....WHITE 8" LETTERS	PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY etc.)
Ⓡ TYPE B CLASS 1.....WHITE 6" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
Ⓡ TYPE B CLASS 1.....WHITE 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
Ⓡ TYPE B CLASS 1.....YELLOW 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
Ⓡ TYPE B CLASS 1.....WHITE 6" WIDTH, 2' LONG, 4" SPACING	LANE TRANSITIONS
Ⓡ TYPE B CLASS 1.....WHITE 4" WIDTH, DOUBLE LINE, 4" SPACING	CURB EXTENSIONS

SIGN AND PAVEMENT MARKING NOTES:

- STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
- CONTACT DENNIS HOWELL OR HIS DESIGNEE AT 703-228-6598 OR (571) 437-1077 TO APPROVE MARKING LAYOUT 48 HRS. PRIOR TO INSTALLATION OF MARKINGS.
- PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
A.) THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
B.) ARLINGTON COUNTY MARKING STANDARDS.
- ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
- STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHALL BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTED TRAVELED WAY.
- CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
- LEFT TURN ARROWS SHALL BE LOCATED 25' BACK FROM STOP BAR, FOR ADDITIONAL ARROWS FOLLOW COUNTY MARKING STANDARDS.
- ON-STREET PARKING LANE IS 7' WIDE (UNLESS OTHERWISE NOTED) AND MARKED WITH 4" WIDE WHITE LINES. BEGINNING AND END OF PARKING SHALL BE MARKED WITH AN END LINE PERPENDICULAR TO CURB EXCEPT AT NUBS OR WHERE OTHERWISE INDICATED.
- SHARED LANE MARKINGS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
- BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.

LEGEND	
EXISTING	PROPOSED
SIGN PANEL	
SIGN TO BE REMOVED	
BUS STOP	
FIRE HYDRANT	
PARKING METER	
SIGN	
STRIPING	

HIGH VISIBILITY CROSSWALK



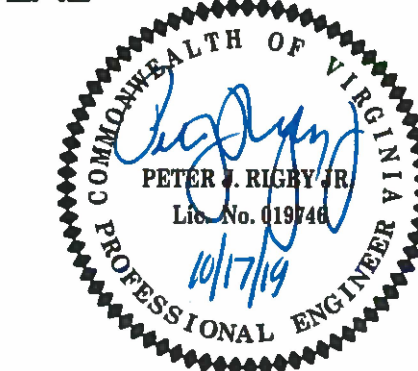
NOTE:
x x x x x x x x x x = ERADICATION OF MARKING



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

	12.10.2019
QUALITY CONTROL ENGINEER	
	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/11/19
WATER, SEWER, STREETS BUREAU CHIEF	
	12/11/19
TRANSPORTATION DIRECTOR	
	12/10/19
PROJECT MANAGER	

REVISIONS DATE

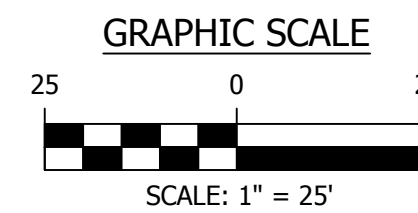
REVISIONS	DATE

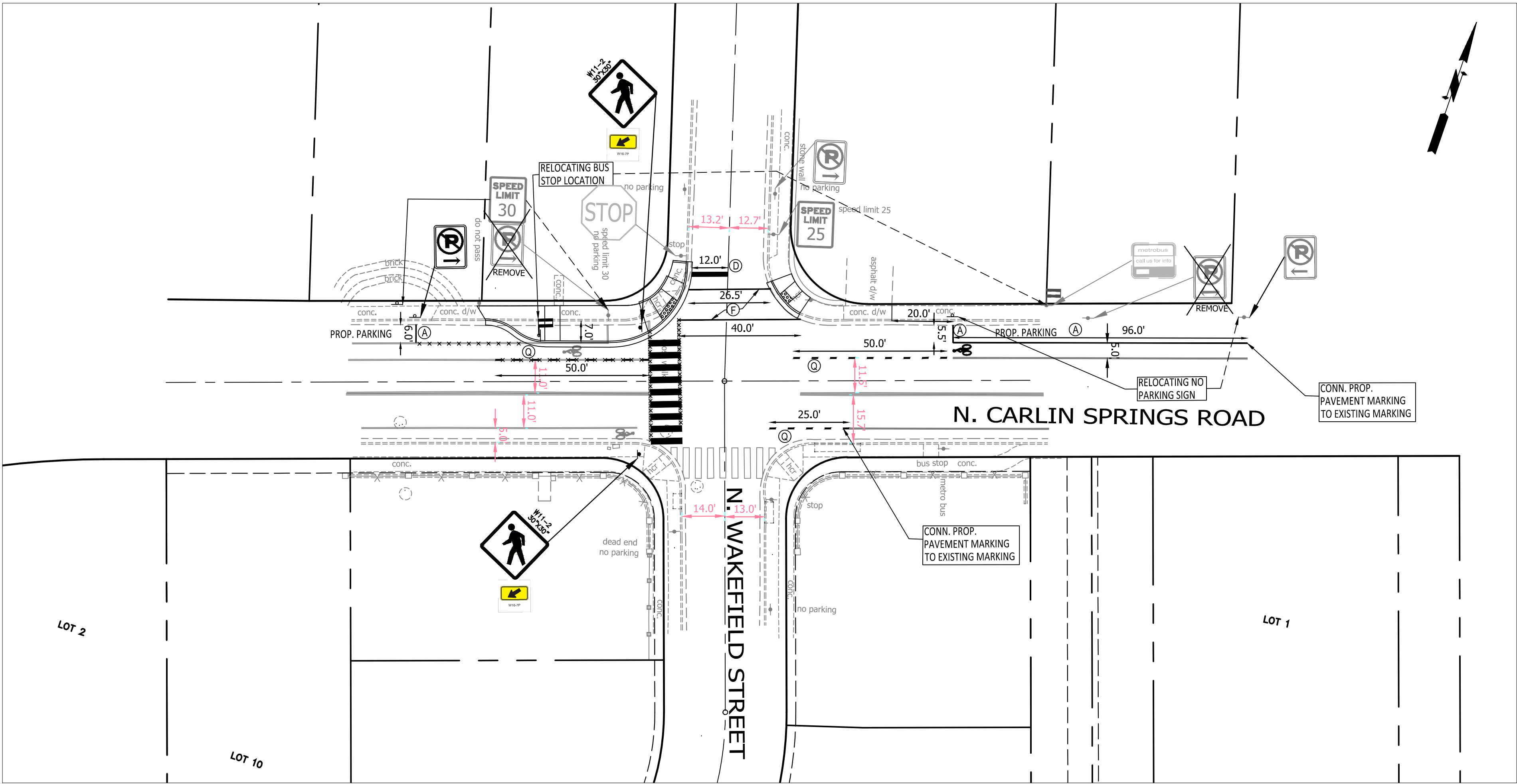
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
SIGNAGE AND STRIPING PLAN_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:



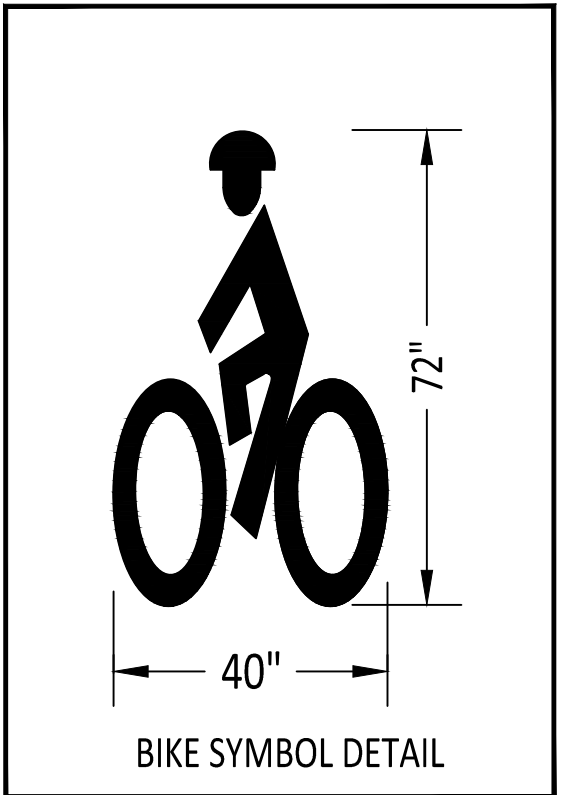
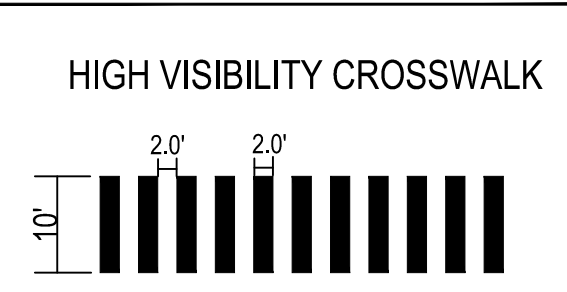


NOTE:
* = CONTRACTOR TO PROVIDE 2 - 4" PVC SLEEVE FOR BUS STOP POLE.

STANDARD PAVEMENT MARKING LEGEND:	
Ⓐ TYPE B CLASS 1.....WHITE 4" WIDTH	PARKING LANES, EDGE LINES, LANE LINES
Ⓑ TYPE B CLASS 1.....WHITE 4" WIDTH, 10' LONG, 30' SPACING	DASHED LANE LINES
Ⓒ TYPE B CLASS 1.....WHITE 4" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
Ⓓ TYPE B CLASS 1.....WHITE 18" WIDTH	STOP BARS
Ⓔ TYPE B CLASS 1.....WHITE 24" WIDTH	CONTINENTAL CROSS WALKS
Ⓕ TYPE B CLASS 1.....WHITE 6" WIDTH	TURN LANES, TRANSVERSE CROSSWALKS, BIKE LANES
Ⓖ TYPE B CLASS 1.....YELLOW 4" WIDTH, 10' LONG, 30' SPACING	DIVIDED TRAFFIC, TWO WAY TURN LANES
Ⓗ TYPE B CLASS 1.....YELLOW 4" WIDTH	EDGE LINES
Ⓘ TYPE B CLASS 1.....YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING	CENTERLINES
Ⓚ TYPE B CLASS 1.....WHITE 6" WIDTH, 10' SPACING @45 DEGREE	HATCH LINES, SAFETY ZONES
Ⓛ TYPE B CLASS 1.....WHITE SINGLE ARROW	TURN LANES
Ⓜ TYPE B CLASS 1.....WHITE COMBINATION ARROW	TURN LANES
Ⓝ TYPE B CLASS 1.....WHITE 8" LETTERS	PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY etc.)
Ⓞ TYPE B CLASS 1.....WHITE 6" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
Ⓟ TYPE B CLASS 1.....WHITE 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
Ⓠ TYPE B CLASS 1.....YELLOW 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
Ⓡ TYPE B CLASS 1.....WHITE 6" WIDTH, 2' LONG, 4" SPACING	LANE TRANSITIONS
Ⓢ TYPE B CLASS 1.....WHITE 4" WIDTH, DOUBLE LINE, 4" SPACING	CURB EXTENSIONS

- SIGN AND PAVEMENT MARKING NOTES:
- STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
 - CONTACT DENNIS HOWELL OR HIS DESIGNEE AT 703-228-6598 OR (571) 437-1077 TO APPROVE MARKING LAYOUT 48 HRS. PRIOR TO INSTALLATION OF MARKINGS.
 - PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
A) THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
B) ARLINGTON COUNTY MARKING STANDARDS.
 - ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
 - STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHALL BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTED TRAVELED WAY.
 - CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
 - LEFT TURN ARROWS SHALL BE LOCATED 25' BACK FROM STOP BAR. FOR ADDITIONAL ARROWS FOLLOW COUNTY MARKING STANDARDS.
 - ON-STREET PARKING LANE IS 7' WIDE (UNLESS OTHERWISE NOTED) AND MARKED WITH 4" WIDE WHITE LINES. BEGINNING AND END OF PARKING SHALL BE MARKED WITH AN END LINE PERPENDICULAR TO CURB EXCEPT AT NUBS OR WHERE OTHERWISE INDICATED.
 - SHARED LANE MARKINGS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
 - BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.

EXISTING		PROPOSED
	SIGN PANEL	
	SIGN TO BE REMOVED	
	BUS STOP	
	FIRE HYDRANT	
	PARKING METER	
	SIGN	
	STRIPING	



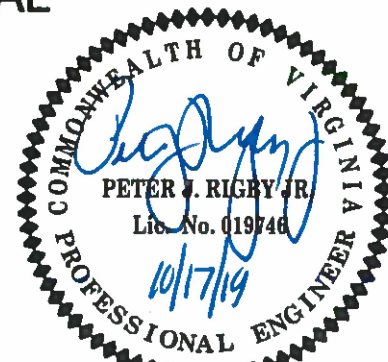
NOTE:
***** = ERADICATION OF MARKING



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12.10.2019
QUALITY CONTROL ENGINEER

12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR

12/17/19
WATER, SEWER, STREETS BUREAU CHIEF

12/17/19
TRANSPORTATION DIRECTOR

12/19/19
PROJECT MANAGER

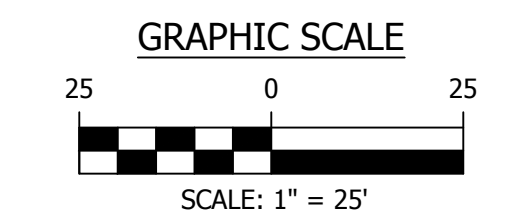
REVISIONS DATE

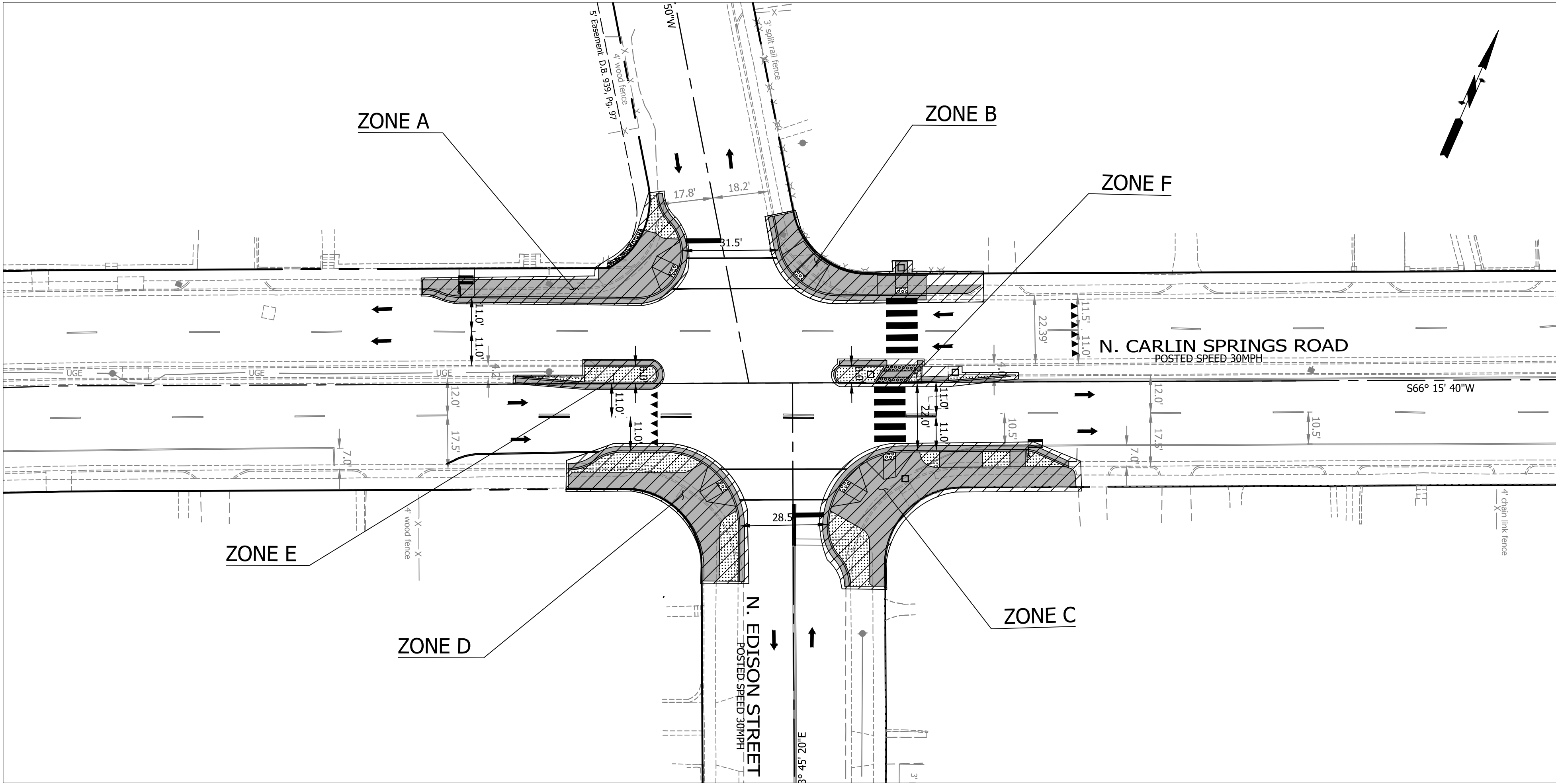
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
SIGNAGE AND STRIPING PLAN_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:





ZONE TABLE			
ZONE #	TTC #	COMMENTS	DURATION
A	TTC-5.2 TTC-28.2 TTC-36.2	SHOULDER OPERATION WITH MINOR ENCROACHMENT LANE CLOSURE OPERATION IN AN INTERSECTION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
B	TTC-5.2 TTC-28.2 TTC-36.2	SHOULDER OPERATION WITH MINOR ENCROACHMENT LANE CLOSURE OPERATION IN AN INTERSECTION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
C	TTC-5.2 TTC-28.2 TTC-36.2	SHOULDER OPERATION WITH MINOR ENCROACHMENT LANE CLOSURE OPERATION IN AN INTERSECTION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
D	TTC-5.2 TTC-28.2 TTC-36.2	SHOULDER OPERATION WITH MINOR ENCROACHMENT LANE CLOSURE OPERATION IN AN INTERSECTION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
E	TTC-42.1	INTERIOR LANE CLOSURE OPERATION ON A MULTI-LANE ROADWAY	ONE WEEK TO ONE MONTH
F	TTC-42.2	INTERIOR LANE CLOSURE OPERATION ON A MULTI-LANE ROADWAY	ONE WEEK TO ONE MONTH

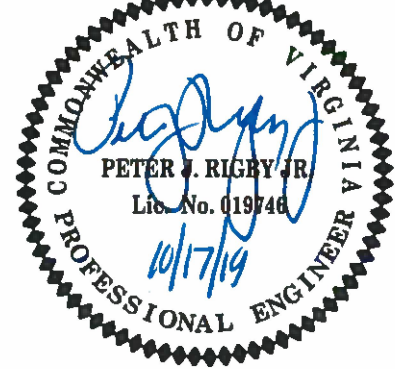
NOTE: THE DURATIONS SHOWN WERE DEVELOPED FOR PLANNING AND ESTIMATION PURPOSES ONLY. THE DURATIONS IN NO WAY ALTER THE CONTRACT TIME FOR COMPLETION, OR INFRINGES ON THE CONTRACTOR MEANS AND METHODS. THE CONTRACTOR'S SUBMITTED SCHEDULE SUPERSEDES THE ESTIMATED DURATIONS SHOWN. ZONES ARE NOT ALLOWED TO WORK CONCURRENTLY AND CAN ONLY BE ALLOWED ONE AT A TIME.



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

<i>[Signature]</i>	12.10.2019
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/11/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/11/19
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/10/19
PROJECT MANAGER	

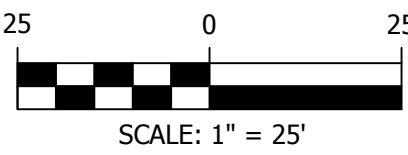
REVISIONS DATE

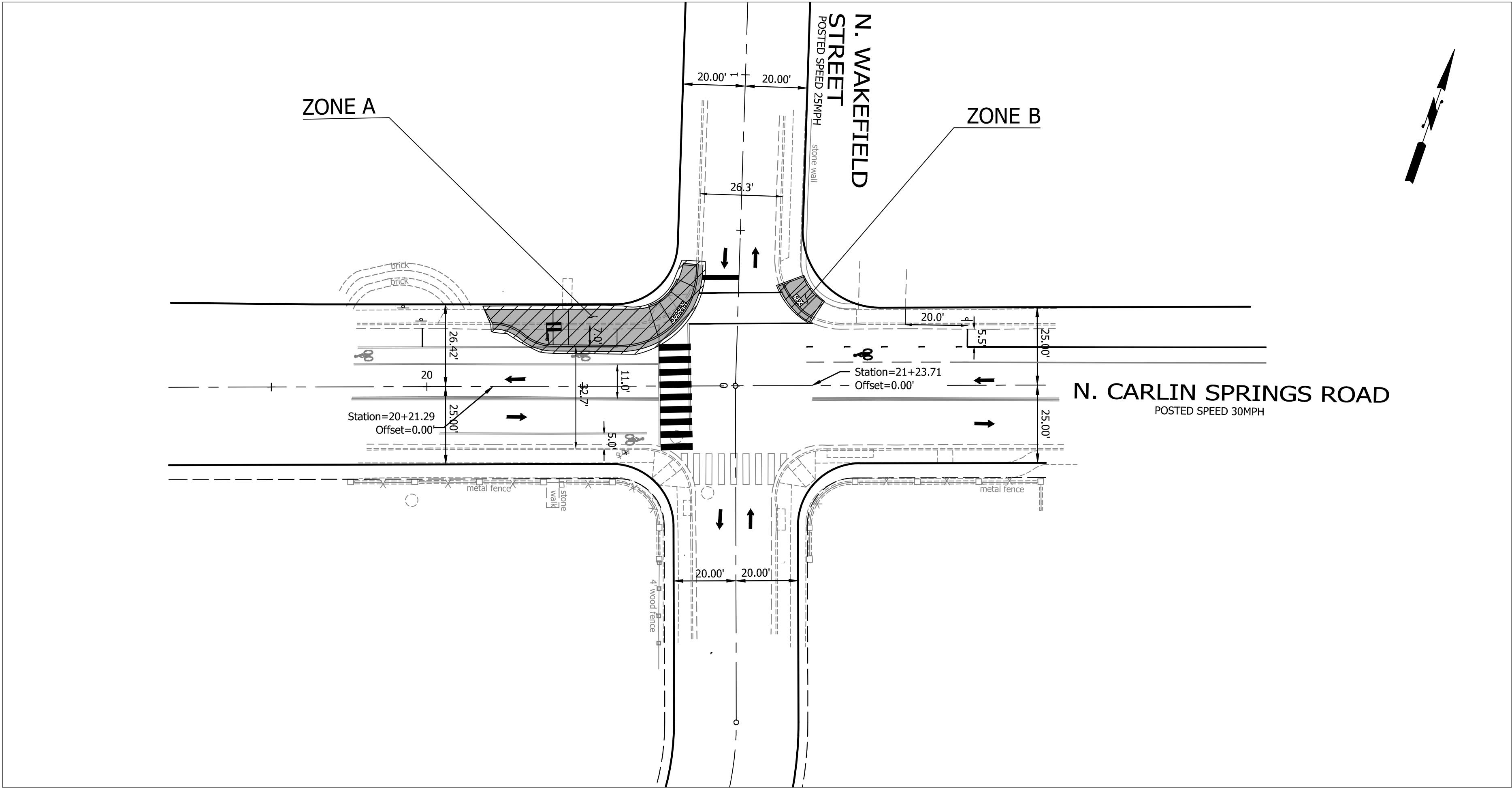
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
MAINTENANCE OF TRAFFIC PLAN_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:





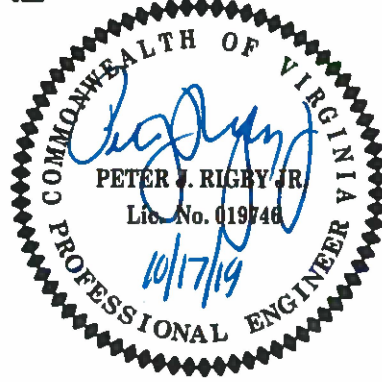
ZONE TABLE			
ZONE #	TTC #	COMMENTS	DURATION
A	TTC-5.2 TTC-28.2 TTC-36.2	SHOULDER OPERATION WITH MINOR ENCROACHMENT LANE CLOSURE OPERATION IN AN INTERSECTION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
B	TTC-1.1 TTC-36.2	WORK BEYOND THE SHOULDER OPERATION CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION PARKING TO BE REMOVED DURING CONSTRUCTION HOURS	ONE WEEK TO ONE MONTH
NOTE: THE DURATIONS SHOWN WERE DEVELOPED FOR PLANNING AND ESTIMATION PURPOSES ONLY. THE DURATIONS IN NO WAY ALTER THE CONTRACT TIME FOR COMPLETION, OR INFRINGES ON THE CONTRACTOR MEANS AND METHODS. THE CONTRACTOR'S SUBMITTED SCHEDULE SUPERSEDES THE ESTIMATED DURATIONS SHOWN. ZONES ARE NOT ALLOWED TO WORK CONCURRENTLY AND CAN ONLY BE ALLOWED ONE AT A TIME.			



DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Michael Bennett 12.10.2019
QUALITY CONTROL ENGINEER

John J. Smith 12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR

John J. Smith 12/11/19
WATER, SEWER, STREETS BUREAU CHIEF

John J. Smith 12/11/19
TRANSPORTATION DIRECTOR

John J. Smith 12/10/19
PROJECT MANAGER

REVISIONS DATE

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONTROL DEVICES AND SAFETY MEASURES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL, VDOT's GUIDELINES FOR TEMPORARY TRAFFIC CONTROL, FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ARLINGTON COUNTY STANDARDS, THE TRAFFIC CONTROL PLANS INCLUDED IN THE CONSTRUCTION DRAWINGS, AND/OR AS DIRECTED BY THE PROJECT OFFICER.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE WHICH INDICATES START AND FINISH DATES FOR EACH SEGMENT OF THE WORK. THE SCHEDULE SHALL INDICATE THE DURATION OF ALL LANE OR SHOULDER CLOSURES. THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER A MINIMUM OF 3 BUSINESS DAYS IN ADVANCE OF PROCEEDING TO THE NEXT WORK SEGMENT.
3. THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER OF PARKING RESTRICTION NEEDS A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK FOR EACH SEGEMENT. COUNTY PROJECT OFFICER SHALL RESTRICT PARKING BY CONTACTING DES - PERMITTING SECTION, 703-228-4798.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER MAINTAIN APPROPRIATE SIGHT DISTANCE TO ALL TRAFFIC SIGNS OR PROVIDE FOR TEMPORARY SIGNAGE OR FLAGGERS TO GUIDE TRAFFIC THROUGH WORK ZONES.
5. THE CONTRACTOR SHALL MINIMIZE THE DURATION OF ANY BLOCKAGE TO PRIVATE ENTRANCES AND DRIVEWAYS. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF DRIVEWAY CLOSURE FOR APPROVAL BY THE PROJECT OFFICER. THE PROJECT OFFICER SHALL BE NOTIFIED A MINIMUM OF 3 BUSINESS DAYS IN ADVANCE OF SUCH ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE TEMPORARY CLOSURE OF ACCESS TO THE PROPERTY. THE CONTRACTOR SHALL MAKE ALL PRIVATE ENTRANCES AND DRIVEWAYS ACCESSIBLE AT THE CONCLUSION OF EACH WORKDAY.
6. ANY EXCAVATIONS WHICH ARE SPECIFICALLY APPROVED BY THE PROJECT OFFICER TO REMAIN OPEN PAST NORMAL WORKING HOURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROTECTED IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND AS APPROVED BY THE PROJECT OFFICER.
7. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, INCLUDING ACCESS TO BUS STOP SHELTERS, UNLESS OTHERWISE APPROVED IN THE PLANS.
8. PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM WORK ZONES WITH APPROPRIATE MEASURES IN ACCORDANCE WITH MUTCD.
9. ADEQUATE PROVISIONS FOR PERSONS WITH DISABILITIES SHALL BE PROVIDED AT ALL TIMES PER ADA REQUIREMENTS.
10. WHEN NECESSARY, PEDESTRIANS SHALL BE APPROPRIATELY DIRECTED WITH ADVANCED WARNING SIGNS PLACED AT INTERSECTIONS, TO CROSS TO THE OPPOSITE SIDE OF THE ROADWAY IN ORDER TO PREVENT CONFLICT WITH MIDBLOCK WORK SITES.
11. PEDESTRIANS SHALL NOT BE LED INTO CONFLICT WITH WORK SITE EQUIPMENT, OPERATIONS, AND/OR VEHICLES MOVING THROUGH OR AROUND THE WORK SITE.
12. ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
13. ACCESS TO BUILDINGS FOR FIREFIGHTING SHALL BE MAINTAINED AT ALL TIMES. EXISTING FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE KEPT CLEAR OF OBSTRUCTIONS IN ACCORDANCE WITH SECTION 503.4 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE. ACCESS TO CONSTRUCTION SITES SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 1410 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
14. IN THE EVENT THAT EXISTING FIRE DEPARTMENT CONNECTIONS OR FIRE APPARATUS ACCESS ROADS (FIRE LANES) MUST BE OBSTRUCTED TO FACILITATE CONSTRUCTION ACTIVITIES, CONTACT THE ARLINGTON COUNTY FIRED DEPARTMENT FIRE PREVENTION OFFICE AT 703-228-4644 TO COORDINATE REVIEW AND APPROVAL OF TEMPORARY FIRE DEPARTMENT CONNECTIONS AND/OR FIRE APPARATUS ACCESS ROADS PRIOR TO CREATING THE OBSTRUCTION.
15. THE CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY TRANSIT BUREAU, 703-228-3049, A MINIMUM OF 4 WEEKS PRIOR TO COMMENCEMENT OF WORK, IF TRANSIT IS AFFECTED.
16. AT SIGNALIZED INTERSECTIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VEHICLE DETECTION AT ALL TIMES DURING THE PROJECT. TRAFFIC SENSORS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION STATE PRIOR TO THE COMPLETION OF THIS PROJECT.
17. WORK HOURS ARE RESTRICTED TO 9:00AM TO 3:00 PM (MON-FRI)
18. CONTRACTOR SHALL COVER ANY EXISTING SIGNS WHICH ARE NOT APPLICABLE OR ARE IN CONFLICT WITH THIS MOT PLAN.
19. CONTRACTOR SHALL ERADICATE AND RE-STRIPE AS NECESSARY ANY EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH OR DO NOT ALIGN WITH THE TEMPORARY PAVEMENT MARKINGS OR NEW TRAFFIC PATTERNS.
20. CONTRACTOR SHALL ERADICATE ALL TEMPORARY PAVEMENT MARKING, INCLUDING TEMPORARY MARKED CROSSWALKS ONCE THE WORK AREA(S) ASSOCIATED WITH THE MARKINGS HAS BEEN COMPLETED.

ADDITIONAL NOTES:

1. SEE TEMPORARY TRAFFIC CONTROL (TTC) FIGURES AND NOTES ON SHEET 32 AND 33
2. SPACING OF ADVANCE WARNING SIGNS SHOULD BE MINIMUM 100FT FOR POSTED SPEED LIMIT 25MPH.
3. WHERE THE BIKE LANES NEED TO BE CLOSED DURING CONSTRUCTION, THE CONTRACTOR SHALL FOLLOW THE VDOT WORK ZONE PEDESTRIAN AND BICYCLE GUIDANCE (SEE DETAIL ON SHEET 33) TO PROVIDE TRAFFIC CONTROL FOR CYCLISTS.
4. THE MINIMUM LANE WIDTH SHALL BE 11'. THIS APPLIES TO BOTH DURING CONSTRUCTION WORK HOURS, AND WHEN THE ROADWAY IS OPENED UP TO NORMAL TRAFFIC FLOW FOR ALL PHASES OF CONSTRUCTION REGARDLESS OF WHETHER OR NOT THE PROVISION OR ERADICATION OF PAVEMENT MARKING IS SPECIFICALLY DENOTED ON MOT PLAN.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY STRIPING FOR ALL PARKING, BICYCLE, AND VEHICULAR LANES TO INCLUDE STOP BARS AND TURNING ARROWS. TEMPORARY STRIPING FOR CROSSWALKS AND BIKE LANE SYMBOLS ARE NOT REQUIRED UNLESS OTHERWISE DIRECTED BY THE COUNTY PROJECT OFFICER. FINAL PAVEMENT MARKINGS SHALL BE INSTALLED BY CONTRACTOR.
6. MODIFICATIONS TO THE MAINTENANCE OF TRAFFIC PLAN OR CONSTRUCTION PHASING MAY BE MADE AT THE CONTRACTOR'S REQUEST WITH APPROVAL FROM THE COUNTY PROJECT OFFICER, OR AT THE DIRECTION OF THE COUNTY PROJECT OFFICER.

CONSTRUCTION NOTES

1. FOR ALL ARTERIAL STREETS, PORTABLE VARIABLE MESSAGE SIGNS WITH CLOSURE INFORMATION MUST BE INSTALLED AHEAD OF THE PROJECT SITE AT EACH VEHICULAR APPROACH 3 WEEKS PRIOR TO STREET CLOSURE IN LOCATIONS DIRECTED BY THE PROJECT OFFICER.
2. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
3. CONTACT TRANSPORTATION ENGINEERING OPERATIONS AT 703-228-6598 OR 571-437-1077 AND THE PROJECT OFFICER TO APPROVE MARKING LAYOUT 48 HOURS PRIOR TO INSTALLATION OF MARKINGS.
4. ONE LANE CLOSURE IN EACH DIRECTION OF TRAFFIC WILL BE PERMITTED FOR FINAL PAVEMENT OVERLAY.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN THE FLOW OF TRAFFIC ON ANY INTERSECTION WITHIN THE WORK AREA.
6. THE CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY PUBLIC SCHOOLS TWO WEEKS PRIOR TO STARTING CONSTRUCTION.
7. THE CONTRACTOR SHALL SUBMIT ANY REQUESTS FOR TEMPORARY "NO PARKING" RESTRICTIONS TO THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO THE DESIRED ONSET OF RESTRICTIONS. PRIOR TO A REQUEST FOR THE REMOVAL OF ACCESS TO ANY ADA PARKING SPACE THE CONTRACTOR MUST HAVE MADE PROVISION FOR ALTERNATIVE ADA PARKING AS INDICATED ON THE APPROVED PLAN OR AS DIRECTED BY THE PROJECT OFFICER
8. WHEN THE APPROVED PLAN CALLS FOR THE REMOVAL OF ANY PARKING METER THE CONTRACTOR MUST MAKE A REQUEST TO THE PROJECT OFFICER AT LEAST ONE WEEK IN ADVANCE OF THE DESIRED REMOVAL. THE PROJECT OFFICER WILL THEN COORDINATE THE PARKING METER REMOVAL WITH TRAFFIC ENGINEERING AND OPERATIONS.


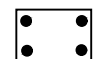
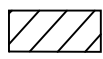



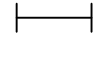


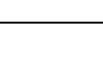

MOT NOTES:

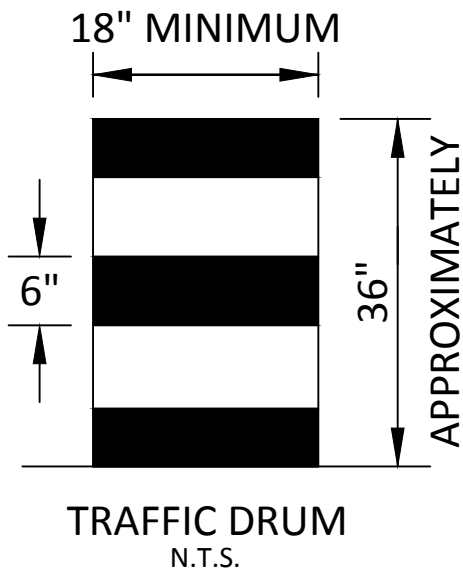
1. PARKING SHALL BE RESTRICTED BY THE COUNTY AS PART OF THE RIGHT OF WAY PERMIT. CONTACT DES-PERMITTING SECTION, 703-228-4798, AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
2. ALL TEMPORARY BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.
3. THE CONTRACTOR SHALL MAINTAIN ADA ACCESSIBLE PARKING SPACES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DES - PERMITTING, 703-228-4798, TO COORDINATE RELOCATION OF EXISTING ADA ACCESSIBLE PARKING SPACES OR TO INSTALL TEMPORARY SIGNAGE OUT OF AND ADJACENT TO THE WORK ZONE AS CONSTRUCTION PROGRESSES. MULTIPLE RELOCATIONS MAY BE NECESSARY DURING EACH PHASE.

PEDESTRIAN NOTE:

1. PEDESTRIANS SHALL BE APPROPRIATELY DIRECTED WITH ADVANCED WARNING SIGNS PLACED AT INTERSECTIONS, TO CROSS TO THE OPPOSITE SIDE OF THE ROADWAY IN ORDER TO PREVENT CONFLICT WITH MIDBLOCK WORK SITES.
2. TEMPORARY SIGNAGE SHALL NOT BE PLACED WHERE IT WILL OBSTRUCT PEDESTRIAN PASSAGE ON SIDEWALKS UNLESS SUCH SIGNAGE IS INTENDED TO CLOSE THAT SIDEWALK.
3. NO MORE THAN ONE CORNER OF INTERSECTION SHALL BE UNDER CONSTRUCTION AT A GIVEN TIME.

LEGEND:

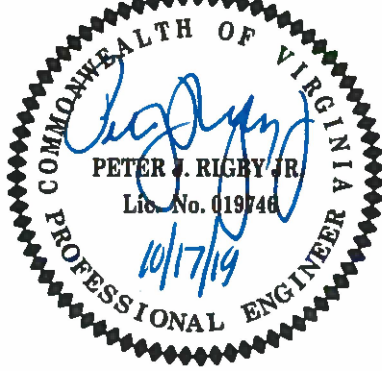
-  ARROW PANEL
-  ARROW PANEL ON TRAILER
-  AREA UNDER CONSTRUCTION
-  AREA CONSTRUCTED IN PREVIOUS PHASE
-  SUB-PHASE OF AREA UNDER CONSTRUCTION
-  TRAFFIC FLOW
-  TRAFFIC DRUM
-  ARROW PANEL ON TRAILER
-  SIGN
-  TYPE III BARRICADE
-  FLAGGER




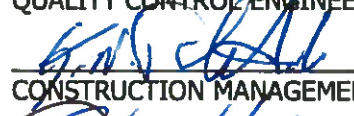
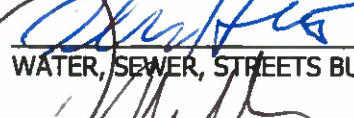
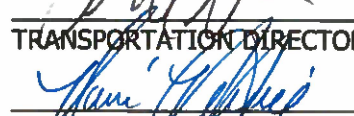

DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

 12.10.2019
QUALITY CONTROL ENGINEER
 12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR
 12/17/19
WATER, SEWER, STREETS BUREAU CHIEF
 12/17/19
TRANSPORTATION DIRECTOR
 12/10/19
PROJECT MANAGER

REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
MAINTENANCE OF TRAFFIC NOTES

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE: NTS

Typical Traffic Control
Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)

NOTES

- Standard**
1. For required sign assemblies for multi-lane roadways see Note 1, TTC-4.¹
- Guidance**
2. Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.
 3. When work takes up part of a lane on a high volume roadway, vehicular traffic volumes, vehicle mix, speed and capacity should be analyzed to determine whether the affected lane should be closed. Unless the lane encroachment analysis permits a remaining lane width of 10 feet, the lane should be closed. If the closure operation is on a Limited Access highway, the minimum lane width is 11 feet.

- Option:**
4. The ROAD WORK AHEAD (W20-1) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.

- Standard:**
5. A shadow vehicle with either an arrow board operating in the caution mode, or at least one high-intensity amber rotating, flashing, or oscillating light shall be parked 80' - 120' in advance of the first work crew.
 6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or oscillating lights.
 7. Taper length (L) and channelizing device spacing shall be at the following:

Taper Length L					
Speed Limit (mph)	9	10	11	12	Remarks
25	95	105	115	125	L=S*W60
30	135	150	165	180	L=S*W60
35	185	205	225	245	L=S*W60
40	240	270	295	320	L=S*W60
45	405	450	495	540	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed, a 750' shifting taper for posted speeds < 65 mph and a 1000' shifting taper for posted speeds ≥ 65 mph. ²					
Shoulder Taper = ½ L Minimum					

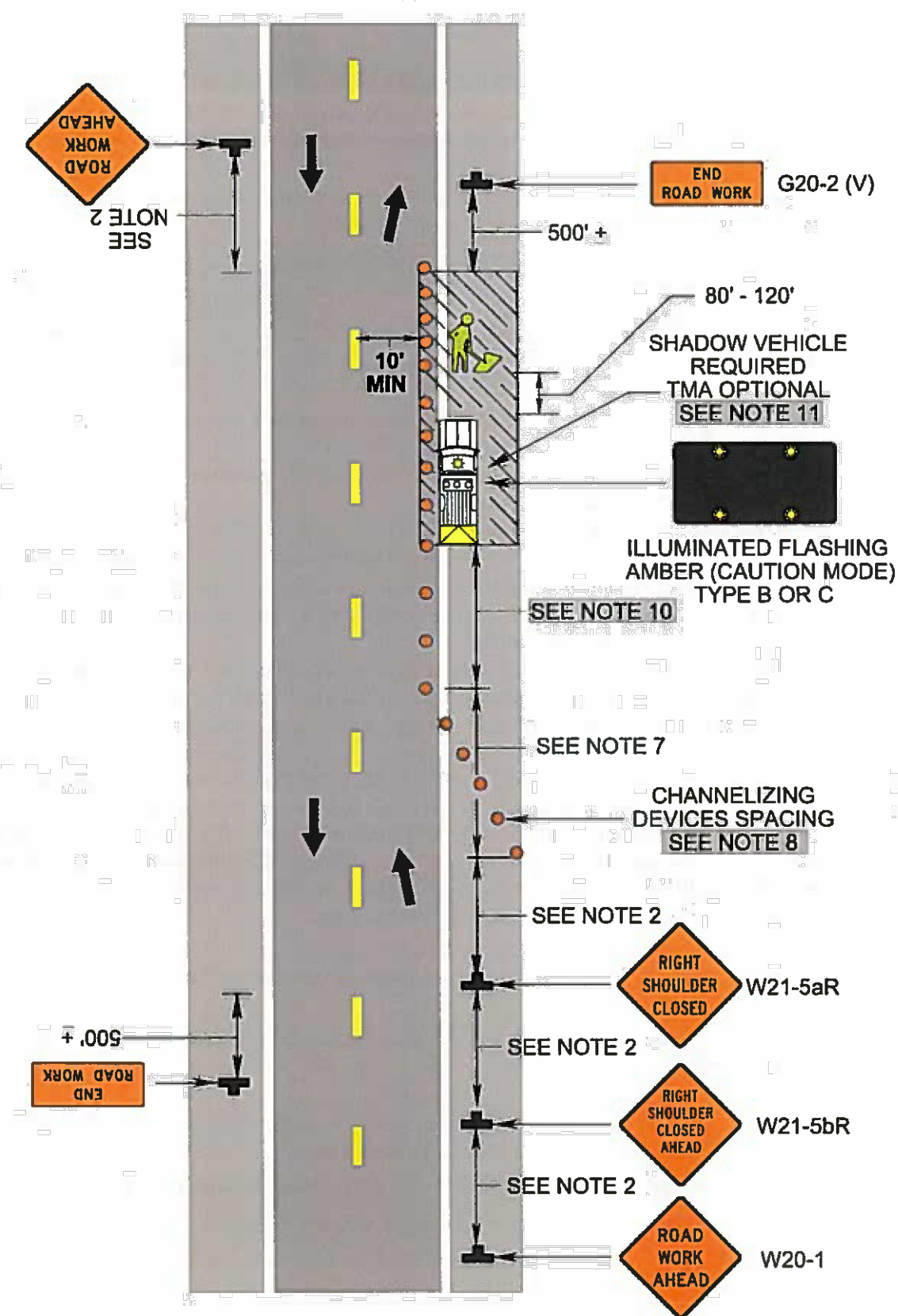
- Standard:**
8. Channelizing device spacing shall be at the following:

Channelizing Device Spacing				
Location Spacing	Speed Limit (mph)	Location Spacing	Speed Limit (mph)	Location Spacing
Transition	0-35 36+	Travelway	0-35 36+	Construction Access
	20' 40'		40' 60'	80' 120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ½ mile.				

9. On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.²
10. The buffer space length The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.
11. A truck-mounted attenuator (TMA) shall be used on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph.
12. When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.

1: Revision 1 - 4/1/2015
2: Revision 2 - 9/1/2019

Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)



1: Revision 1 - 4/1/2015
2: Revision 2 - 9/1/2019

Typical Traffic Control
Lane Closure Operation in an Intersection
(Figure TTC-28.2)

NOTES

- Guidance:**
1. The control of traffic through the intersection in order of preference should be:
 - a. Obtain the services of law enforcement personnel.
 - b. Detour the effective routes to other roads and streets as approved and directed by the District Traffic Engineer.
 - c. Place a state certified flagger on each leg of the intersection controlling a single lane of traffic. Appropriate signing as shown should be used for law enforcement and flagging operations. For detour signs see Figure TTC-34.
 2. Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.
 3. To maintain efficient traffic flow in a flagging operation on a two-lane roadway the maximum time motorist should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.²

- Standard:**
4. Channelizing device spacing shall be on 20' centers or less.
 5. PTRS shall be used as noted in Section 6F.99.

- Guidance:**
6. If room permits, a shadow vehicle with at least one rotating amber light or high intensity amber flashing or oscillating light should be parked 80'-120' in advance of the first work crew.

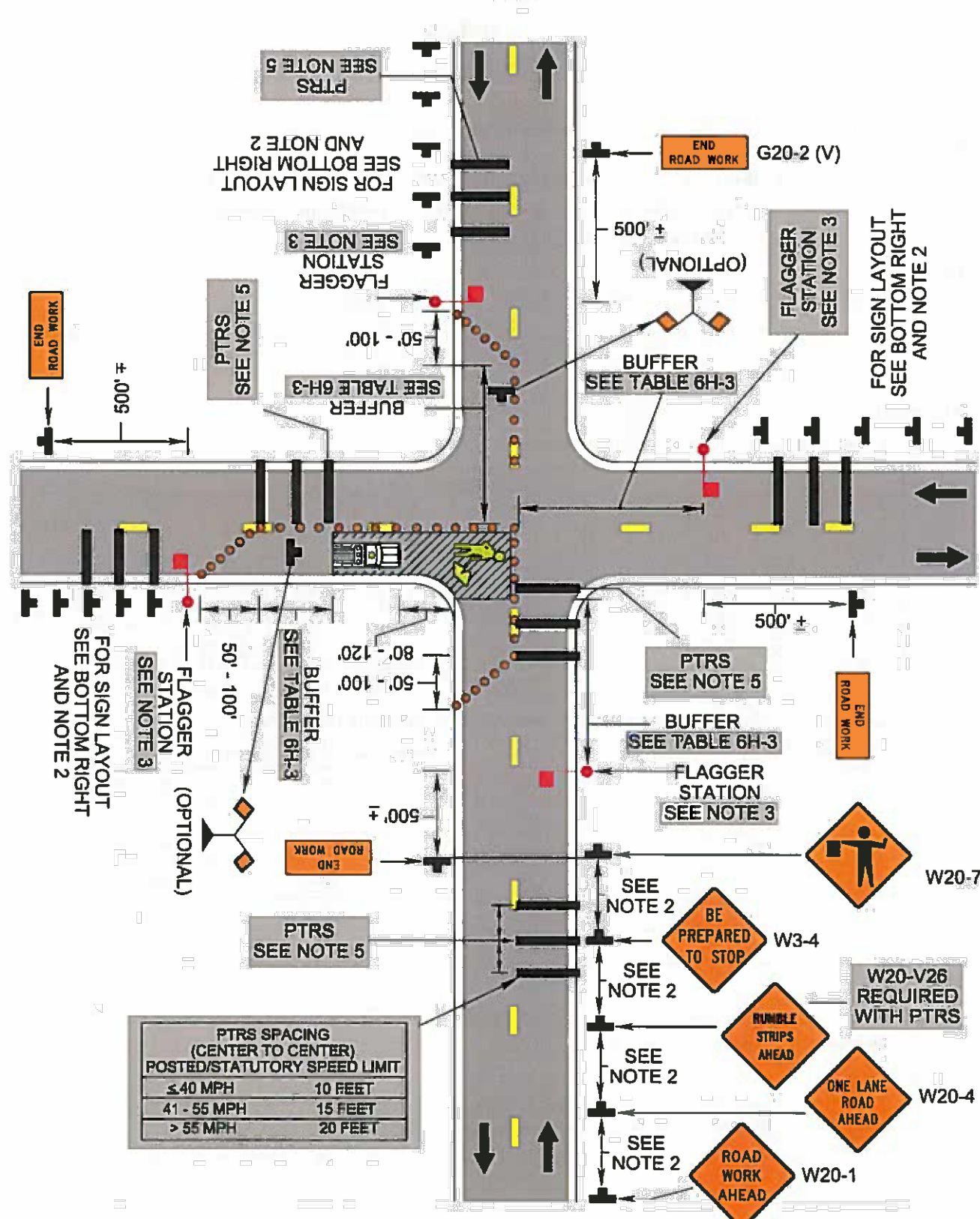
- Standard:**
7. For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or high intensity amber flashing or oscillating lights mounted on the vehicle and visible for 360° shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.

- Guidance:**
8. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.

- Support:**
9. Turns can be prohibited as required by vehicular traffic conditions. Unless the streets are wide, it might be physically impossible to make certain turns, especially for large vehicles.

1: Revision 1 - 4/1/2015
2: Revision 2 - 9/1/2019

Lane Closure Operation in an Intersection
(Figure TTC-28.2)



2: Revision 2 - 9/1/2019

Typical Traffic Control
Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.2)

NOTES

- Standard:**
1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.
 2. Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.
- Guidance:**
3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.
 4. Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.
 5. Temporary markings should be considered for operations exceeding three days in duration.

- Option:**
6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS (W5-1) signs, may be used to control vehicular traffic.
 7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.

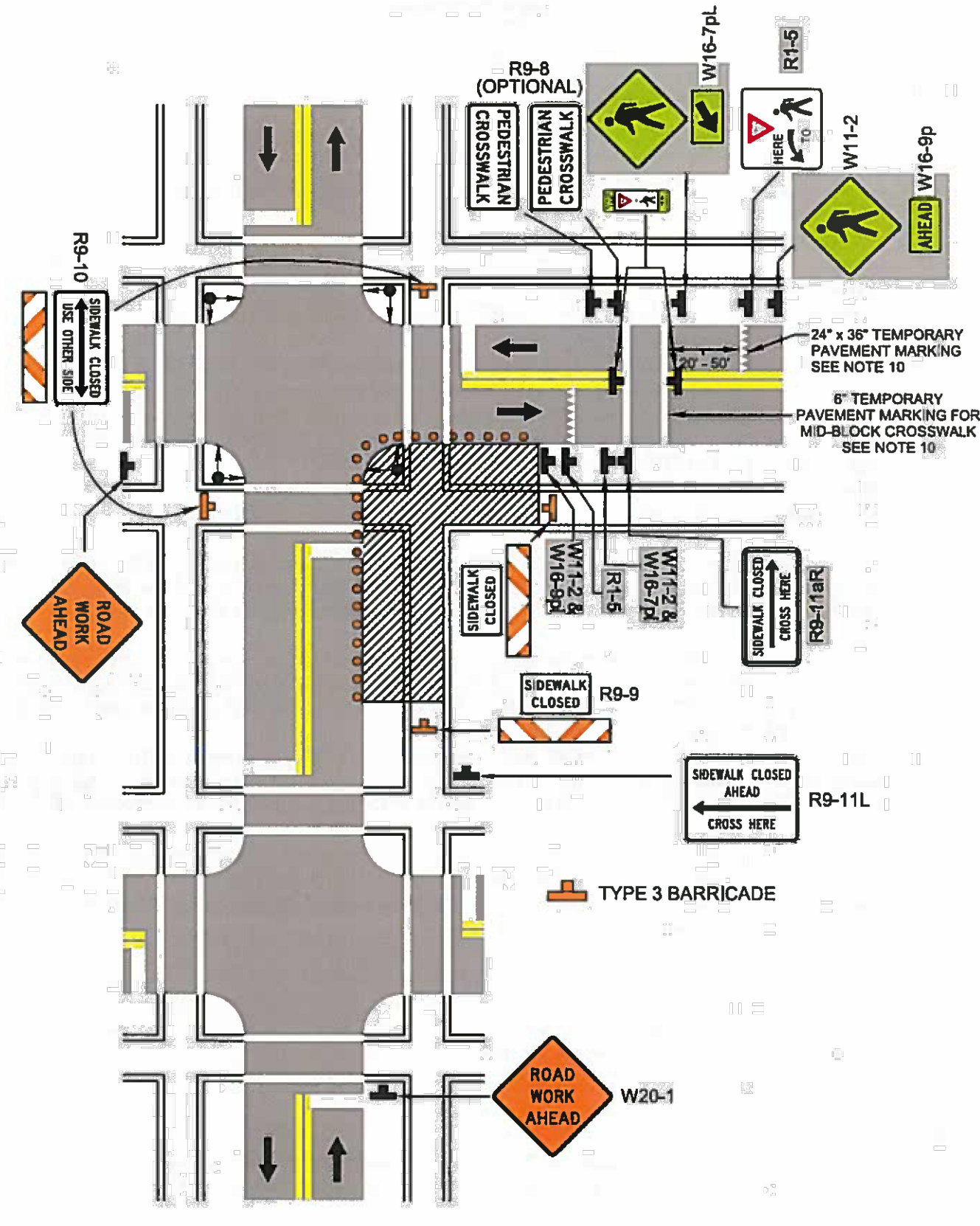
- Standard:**
8. In order to maintain the systematic use of the fluorescent yellow-green background for school warning signs in a jurisdiction, the fluorescent yellow-green background for school warning signs shall be used in TTC zones.²
 9. All sidewalk closures shall be closed with Type 3 Barricades. The SIDEWALK CLOSED (R9-9) sign and the SIDEWALK CROSS HERE (R9-11) sign shall be installed above the Type 3 Barricade. The KEEP RIGHT sign can cover the top rail of the Type 3 Barricade.²

- Support:**
10. Refer to Sections 3B-16 through 3B-18 of the 2009 MUTCD and the Virginia Supplement to the MUTCD¹ for crosswalk lines, yield lines and other related TTC devices that may be used to control vehicular traffic at midblock crosswalks.

- Standard:**
11. The YIELD HERE TO PEDESTRIANS (R1-5) sign shall be placed at the Yield Line.
 12. Fluorescent yellow-green PEDESTRIAN TRAFFIC (W11-2) symbol sign, AHEAD (W16-9p) plaque and ARROW (W16-7p) plaque shall be used to identify the work zone crosswalk.

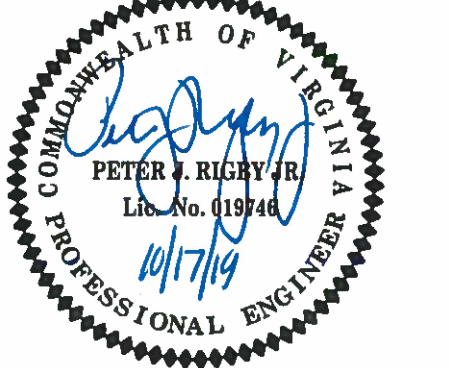
1: Revision 1 - 4/1/2015
2: Revision 2 - 9/1/2019

Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.2)



1: Revision 1 - 4/1/2015
2: Revision 2 - 7/1/2018

SEAL



APPROVALS DATE

12.10.2019
12/10/19
12/17/19
12/17/19
12/17/19
12/17/19
12/17/19
12/17/19

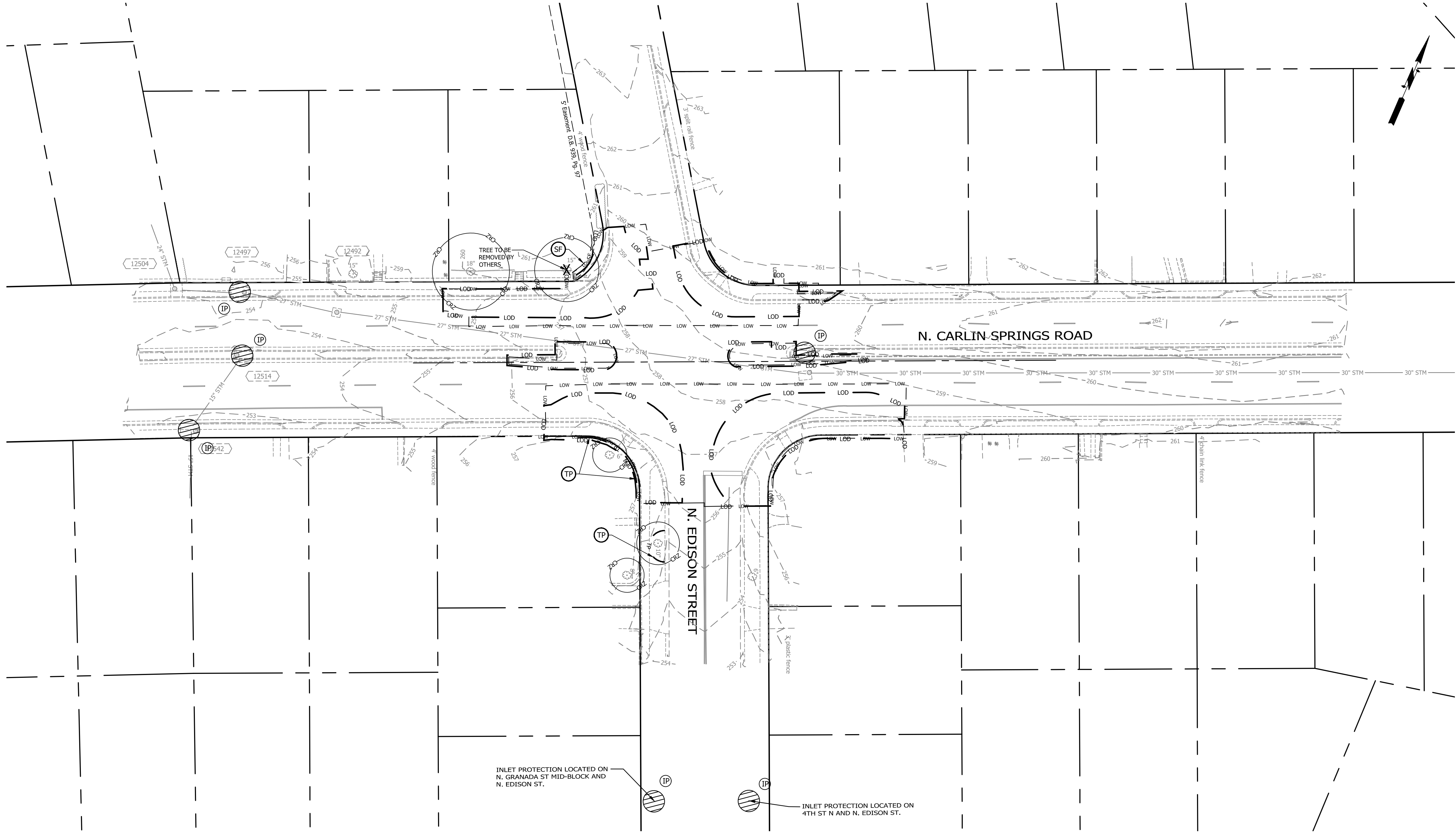
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
MAINTENANCE OF TRAFFIC DETAILS I

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE: NTS



THIS SHEET IS FOR EROSION AND SEDIMENTATION CONTROL USE ONLY

LEGEND:

VESCH 3.05	(SF)	SILT FENCE	— SF — SF —
VESCH 3.07	(IP)	INLET PROTECTION	(Hatched circle)
VESCH 3.38	(TP)	TREE PROTECTION	— TP —
	(LOD)	LIMIT OF DISTURBANCE	— LOD —
	(CRZ)	CRITICAL ROOT ZONE	(Circle with crosshairs)

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

APPROVALS	DATE
 QUALITY CONTROL ENGINEER	12.10.2019
 CONSTRUCTION MANAGEMENT SUPERVISOR	12/10/19
 WATER, SEWER, STREETS BUREAU CHIEF	12/17/19
 TRANSPORTATION DIRECTOR	12/17/19
 PROJECT MANAGER	12/17/19

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14

AT N EDISON STREET AND AT N WAKEFIELD STREET

EROSION AND SEDIMENT CONTROL

PLAN_PHASE I_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019

SCALE:

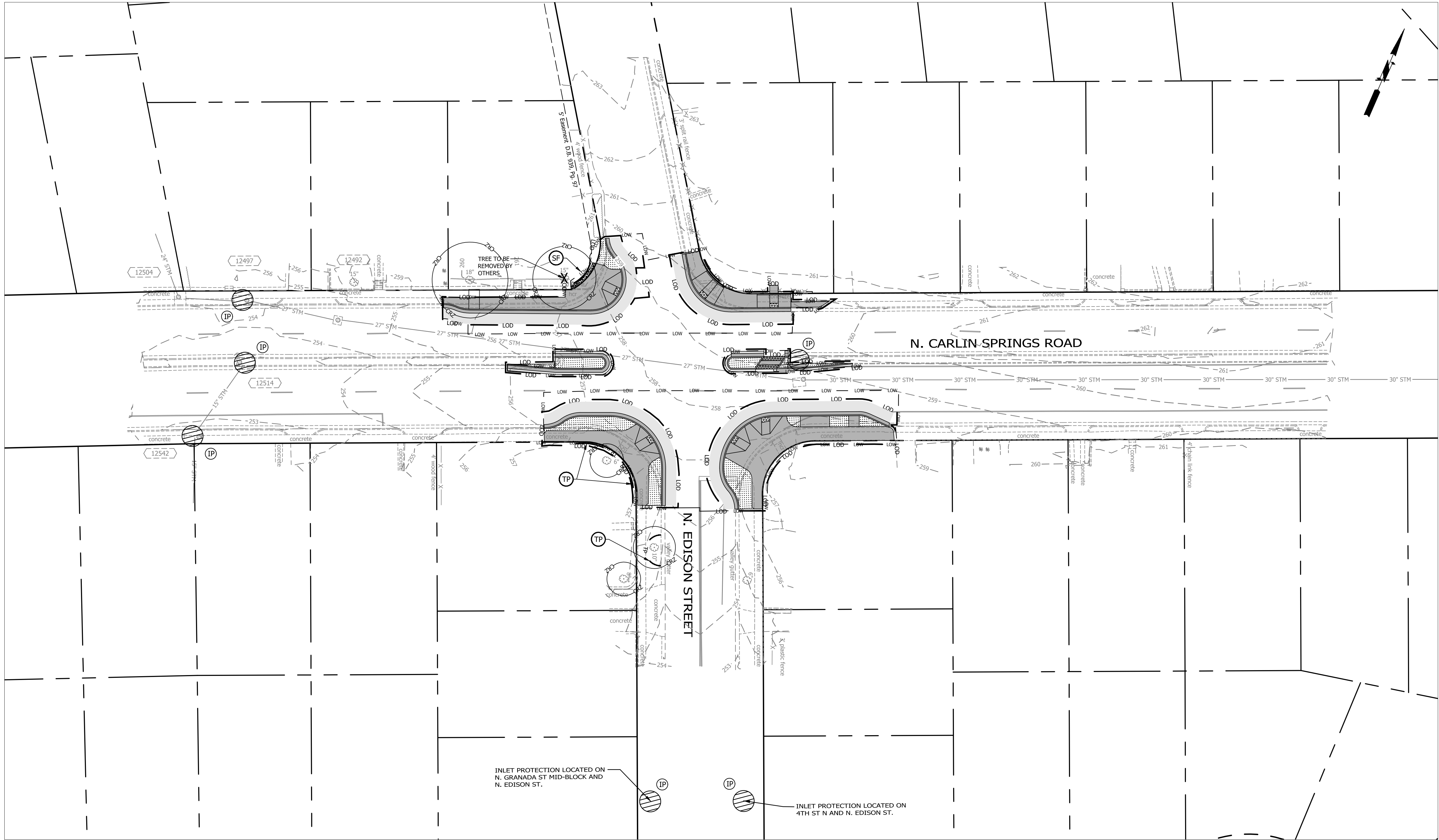
SCALE: 1" = 25'

SHEET 15 OF 33

N. CARLIN SPRINGS ROAD

REVISED ON 05/23/2018

FILENAME: DCI4-224-EROSION_AND_SEDIMENT_CONTROL_PLAN_PHASE II_EDISON.DWG PATH: Q:\DATA\DCI\DESIGN\DCI90-100 PCT ARCHIVE PLOTTED BY: ROJAS



THIS SHEET IS FOR EROSION AND SEDIMENTATION CONTROL USE ONLY

LEGEND:

VESCH 3.05	(SF)	SILT FENCE	— SF — SF —
VESCH 3.07	(IP)	INLET PROTECTION	(Hatched Circle)
VESCH 3.38	(TP)	TREE PROTECTION	— TP —
	(LOD)	LIMIT OF DISTURBANCE	— LOD —
	(CRZ)	CRITICAL ROOT ZONE	(CRZ)

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

APPROVALS	DATE
	12.10.2019
	12/10/19
	12/11/19
	12/11/19
	12/10/19

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DCI4

AT N EDISON STREET AND AT N WAKEFIELD STREET

EROSION AND SEDIMENT CONTROL
PLAN_PHASE II_EDISON

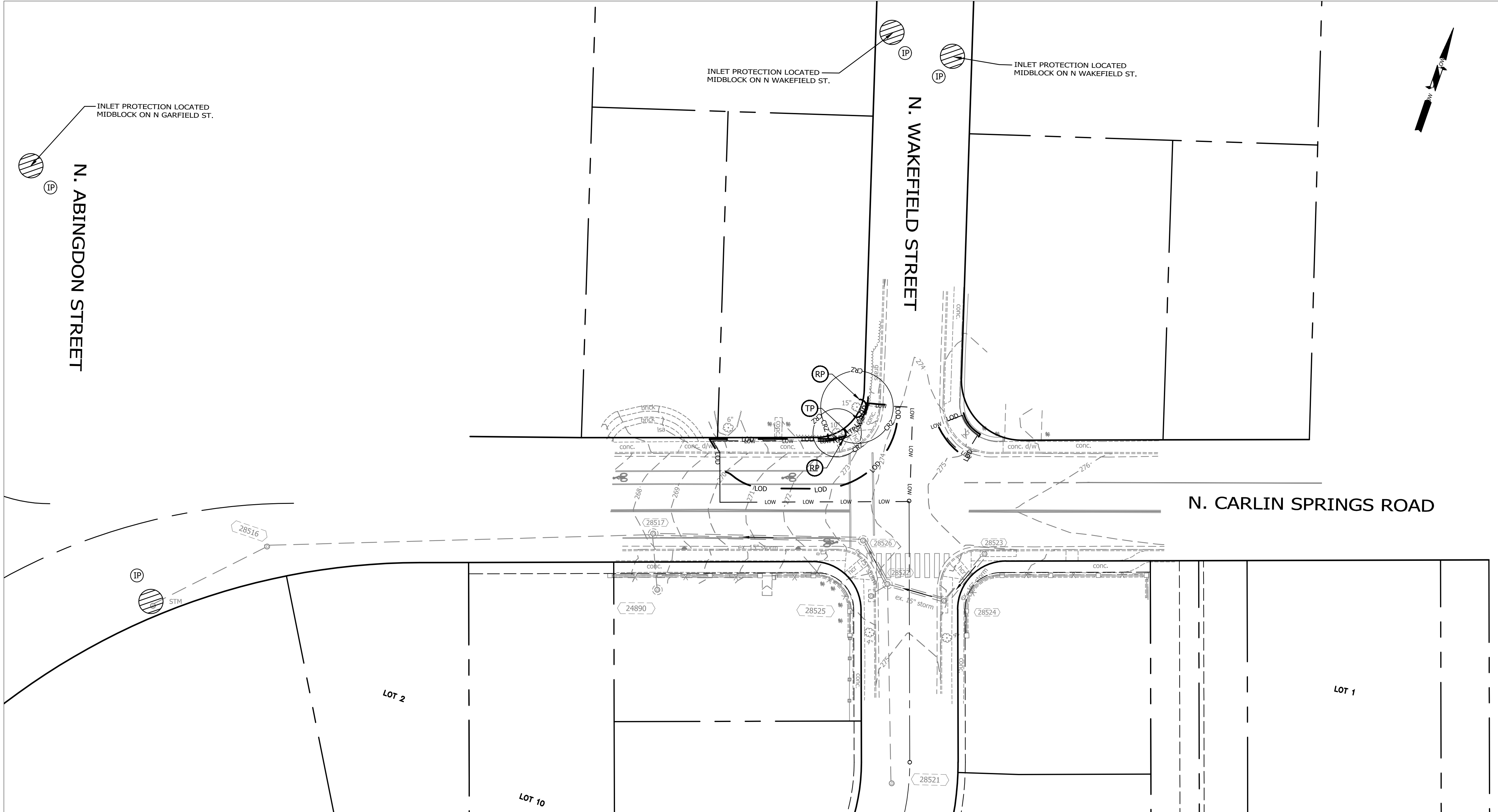
DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:

SHEET 16 OF 33

N. CARLIN SPRINGS ROAD



LEGEND:

VESCH 3.05	(SF)	SILT FENCE	— SF —	SF —
VESCH 3.07	(IP)	INLET PROTECTION		
VESCH 3.38	(TP)	TREE PROTECTION	— TP —	
	(RP)	ROOT PRUNING	— RP —	
	(LOD)	LIMIT OF DISTURBANCE	—	
	(CRZ)	CRITICAL ROOT ZONE		(CRZ)

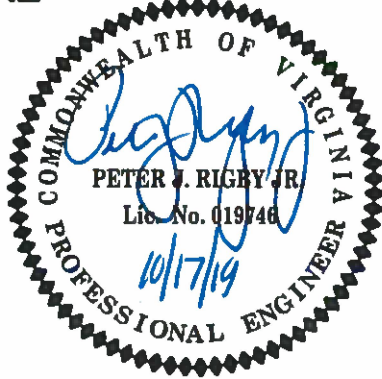
THIS SHEET IS FOR EROSION AND SEDIMENTATION CONTROL USE ONLY



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

QUALITY CONTROL ENGINEER 12.10.2019

CONSTRUCTION MANAGEMENT SUPERVISOR 12/10/19

WATER, SEWER, STREETS BUREAU CHIEF 12/11/19

TRANSPORTATION DIRECTOR 12/11/19

PROJECT MANAGER 12/10/19

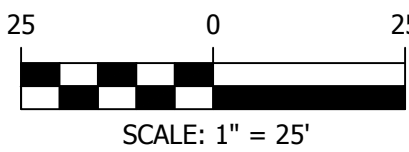
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
EROSION AND SEDIMENT CONTROL
PLAN_PHASE 1_WAKEFIELD

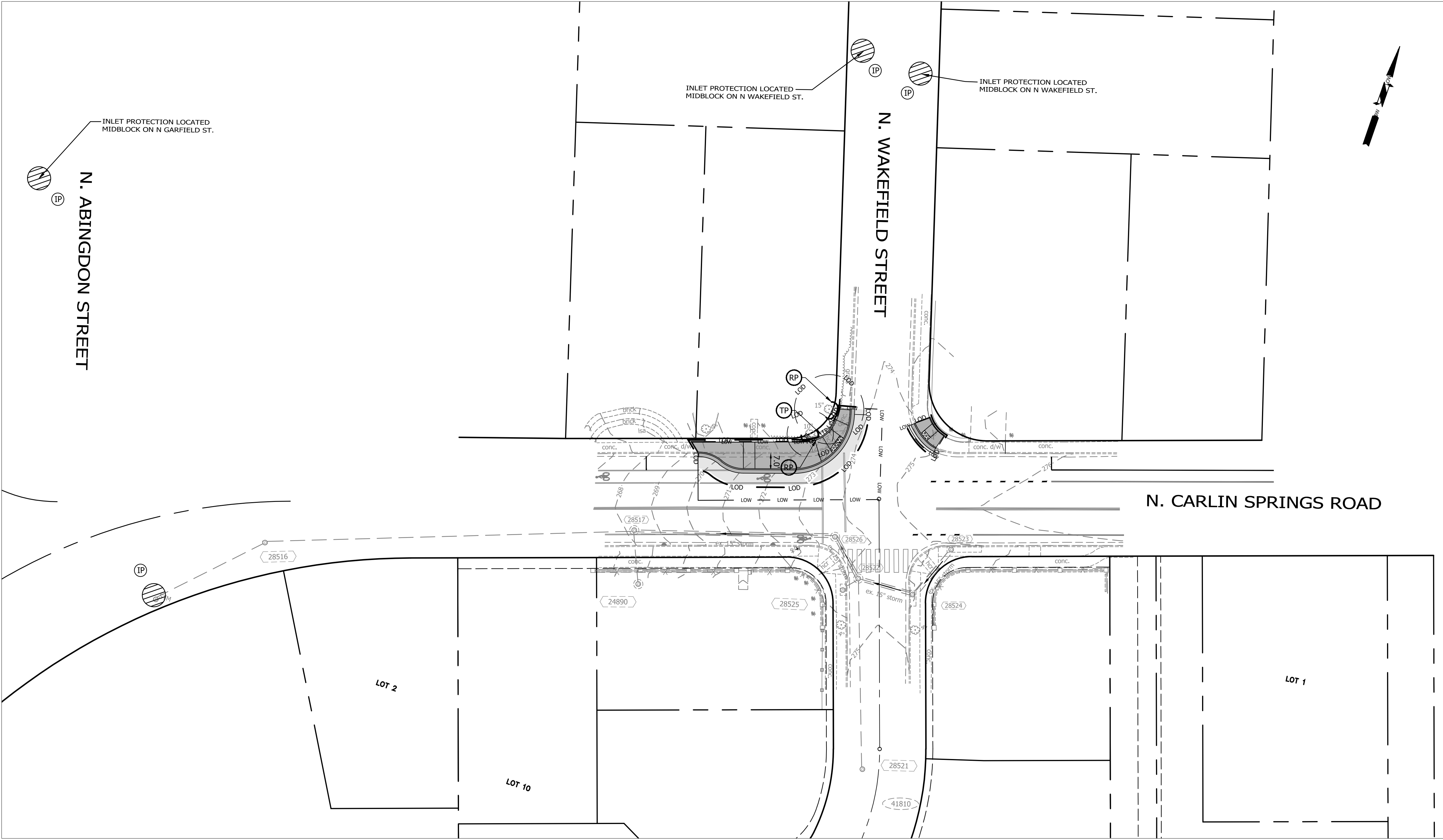
DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:



FILENAME: DC14-224-EROSION_AND_SEDIMENT_CONTROL_PLAN_PHASE II_WAKEFIELD.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\100_100_PCT_ARCHIVE_PLOTTED BY: JROJAS REVISED ON 05/23/2018



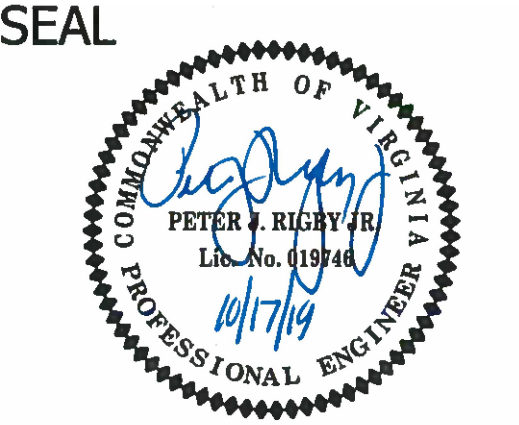
LEGEND:

VESCH 3.05	(SF)	SILT FENCE	— SF —
VESCH 3.07	(IP)	INLET PROTECTION	
VESCH 3.38	(TP)	TREE PROTECTION	— TP —
	(RP)	ROOT PRUNING	— RP —
	(LOD)	LIMIT OF DISTURBANCE	—
	(CRZ)	CRITICAL ROOT ZONE	

THIS SHEET IS FOR EROSION AND SEDIMENTATION CONTROL USE ONLY



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS	DATE
	12.10.2019
QUALITY CONTROL ENGINEER	
	12/16/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/17/19
WATER, SEWER, STREETS BUREAU CHIEF	
	12/17/19
TRANSPORTATION DIRECTOR	
	12/10/19
PROJECT MANAGER	

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
EROSION AND SEDIMENT CONTROL
PLAN_PHASE II_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019



DEQ Virginia Runoff Reduction Method Re-Development Compliance Spreadsheet - Version 3.0

© 2011 BMP Standards and Specifications

© 2013 Draft BMP Standards and Specifications

Project Name: N Carlin Springs Rd - N Edison St/N Wakefield St

Date: 11/05/2019

CLEAR ALL

data input cells

constant values

calculation cells

final results

Site Information

Post-Development Project (Treatment Volume and Loads)

Enter Total Disturbed Area (acres) → 0.2000

Check:
BMP Design Specifications List: 2013 Draft Stds & Specs
Linear project? Yes
Land cover areas entered correctly? ✓
Total disturbed area entered? ✓

Maximum reduction required: 20%

The site's net increase in impervious cover (acres) is: 0.0000

Post-Development TP Load Reduction for Site (lb/yr): 0.0672

Pre-ReDevelopment Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) – undisturbed forest/open space					0.0000
Managed Turf (acres) – disturbed, graded for lawn or other turf to be mowed/managed		0.0138			0.0138
Impervious Cover (acres)		0.1869			0.1869
					0.2007

Post-Development Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) – undisturbed, protected forest/open space or reforested land					0.0000
Managed Turf (acres) – disturbed, graded for lawn or other turf to be mowed/managed		0.0226			0.0226
Impervious Cover (acres)		0.1781			0.1781
Area Check	OK	OK	OK	OK	0.2007

Constants

Annual Rainfall (inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) (lb/acre-ft)	0.36
Total Nitrogen (TN) (lb/acre-ft)	1.86
Target TP Load (lb/acre-yr)	0.41
TP Load Reduction Factor	0.30

Runoff Coefficients (Rv)

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.25	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95

LAND COVER SUMMARY – PRE-REDEVELOPMENT

Pre-ReDevelopment	Unad	Adjusted ¹
Forest/Open Space Cover (acres)	0.0000	0.0000
Weighted Rv (Forest)	0%	0%
Managed Turf Cover (acres)	0.0138	0.0138
Weighted Rv (Turf)	0.2000	0.2000
% Managed Turf	7%	7%
Impervious Cover (acres)	0.1869	0.1869
Rv (Impervious)	0.9500	0.9500
% Impervious	93%	93%
Total Site Area (acres)	0.2007	0.2007
Site Rv	0.8984	0.8984

Treatment Volume and Nutrient Load

Pre-ReDevelopment Treatment Volume (acre-ft)	0.0150	0.0150
Pre-ReDevelopment Treatment Volume (cubic feet)	654.5090	654.5090
Pre-ReDevelopment TP Load (lb/yr)	0.4112	0.4112
Pre-ReDevelopment TP load per acre (lb/acre-yr)	2.0500	2.0500
Baseline TP Load (lb/yr) (0.41 lb/acre/yr applied to pre-redevelopment area excluding previous land proposed for new impervious cover)		0.0823

LAND COVER SUMMARY – POST DEVELOPMENT

Post-ReDevelopment	Post-ReDevelopment	Post-ReDevelopment	Post-ReDevelopment
Forest/Open Space Cover (acres)	0.0000	0.0000	0.0000
Weighted Rv (Forest)	0%	0%	0%
Managed Turf Cover (acres)	0.0226	0.0226	0.0226
Weighted Rv (Turf)	0.2000	0.2000	0.2000
% Managed Turf	11%	11%	11%
Impervious Cover (acres)	0.1781	0.1781	0.1781
Rv (Impervious)	0.9500	0.9500	0.9500
% Impervious	89%	89%	89%
Total ReDev. Site Area (acres)	0.2007	0.2007	0.2007
ReDev Site Rv	0.8655	0.8655	0.8655

Treatment Volume and Nutrient Load

Post-ReDevelopment Treatment Volume (acre-ft)	0.0145	Post-ReDevelopment Treatment Volume (acre-ft)	0.0145	Post-Development Treatment Volume (acre-ft)	--
Post-ReDevelopment Treatment Volume (cubic feet)	630.5237	Post-ReDevelopment Treatment Volume (cubic feet)	630.5237	Post-Development Treatment Volume (cubic feet)	--
Final Post-Development TP Load (lb/yr)	0.3962	Post-ReDevelopment Load (TP) (lb/yr)*	0.3962	Post-Development TP Load (lb/yr)	--
Final Post-Development TP Load per acre (lb/acre-yr)	1.9700	Post-ReDevelopment TP Load per acre (lb/acre-yr)	1.9700		
		Max. Reduction Required (Relative Pre-ReDevelopment Load)	20%		
		TP Load Reduction Required for Redeveloped Area (lb/yr)	0.0672	TP Load Reduction Required for New Impervious Area (lb/yr)	0

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr) 0.0672

Linear Project TP Load Reduction Required (lb/yr): 0.0672

Nitrogen Loads (Informational Purposes Only)

Pre-ReDevelopment TN Load (lb/yr) 2.9419

Final Post-Development TN Load (Post-ReDevelopment & New Impervious) (lb/yr) 2.8340

STORMWATER NARRATIVE

The Runoff Reduction Spreadsheet information on this plan is for data tracking purposes to document the area of land disturbance and to characterize pre- and post-development land use conditions.

In accordance with Arlington County's Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan, approved by the Virginia Department of Environmental Quality (DEQ) on September 1, 2015, linear development projects conducted by the County are administered and tracked as follows consistent with 9VAC25-870-69.A.4, 9VAC25-870-76, and 9VAC25-870-92:

- Pollutant load changes will be computed as described in Section 3.A of the Action Plan.
- Retrofit opportunities will be evaluated for each project, using the screening and selection criteria applied and described in the adopted Stormwater Master Plan.
- Retrofit projects that meet the screening criteria and are determined by Arlington to be feasible and cost-effective will be implemented with specific linear development projects. Pollutant load reductions from retrofit projects will be computed as described in Section 5 of the Action Plan.
- In cases where retrofit projects are not feasible and cost-effective for a particular linear project, any POC load increases that might occur for that project will be addressed by larger overall POC load reductions in place or added through TMDL action plan implementation.

In the above manner Arlington, as the MS4 operator and the construction site operator for its linear development projects, implements linear projects and retrofit projects in a manner that achieves the most TMDL POC reduction for the least cost, while fully accounting for load changes that occur with linear development project activity consistent with the DEQ Chesapeake Bay TMDL Special Condition Guidance.

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

APPROVALS DATE

Matthew Brink 12.10.2019
QUALITY CONTROL ENGINEER

12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR

12/10/19
WATER, SEWER, STREETS BUREAU CHIEF

12/10/19
TRANSPORTATION DIRECTOR

12/10/19
PROJECT MANAGER

REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
VRRM SPREADSHEET

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:

SHEET 18A OF 33

N. CARLIN SPRINGS ROAD

REVISED ON 05/23/2018

FILENAME: DC14-220-E_AND_S_NOTES_SWPPP.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90_100_PCT_ARCHIVE PLOTTED BY: JROJAS

STORMWATER POLLUTION PREVENTION PLAN

N Carlin Springs Rd Improvements – N Edison St & N Wakefield St
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
Arlington County Projects
(Linear Development / Stormwater Retrofit)

For Construction Activities At:
Intersection of N Carlin Springs Rd and N Edison St, and
Intersection of N Carlin Springs Rd and N Wakefield St.
Latitude: _____ N (decimal degrees)
Longitude: _____ W (decimal degrees)

Construction Activity Operator:
To Be Determined through BID selection

SWPPP Preparation Date:
May 21, 2019

CERTIFICATION

"I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Operator Name: _____
Title: _____
Signature: _____
Date: _____

Arlington County SWPPP 12/2016

STORMWATER POLLUTION PREVENTION PLAN

7.0 Spill Prevention & Response

Most spills can be cleaned up using a spill kit. Absorbent/oil dry, sealable containers, plastic bags, and shovels/brooms are suggested minimum spill response items that should be available at the project site.

1st Priority: Protect all people
2nd Priority: Protect equipment and property
3rd Priority: Protect the environment

1. Check for hazards (flammable material, noxious fumes, cause of spill) – If flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave the area and call 911. **LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.**
2. Ensure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.
3. Stop the spill source.
4. Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers.
5. If possible, stop spill from spreading and/or entering storm drains (use absorbent or other materials as necessary).
6. If spilled material has entered a storm drain; contact Arlington County Fire Department and project manager.
7. Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
8. Properly dispose of cleanup materials and used absorbent material according to manufacturer specifications.

Emergency Contacts:

Local Contacts
Arlington County Fire & Police 703-558-2222
DES Water, Sewer, Streets 24-Hour Emergency 703-228-6555
Washington Gas Emergency 703-750-1400

Nights, Holidays & Weekends
VA Dept. of Emergency Management 804-674-2400
24 Hour Reporting Service

Spill kit on site: ☐ Yes ☐ No
Location(s) of spill kit: _____

Arlington County SWPPP 12/2016

STORMWATER POLLUTION PREVENTION PLAN

1.0 SWPPP Documents Located Onsite & Available for Review

SWPPP Document Type Located Onsite & Available for Review?

Registration Statement ☐ Yes ☒ NA
Notice of Coverage Letter ☐ Yes ☒ NA
Construction General Permit ☒ Yes ☐ NA
Pollution Prevention Plan ☒ Yes ☐ NA
Erosion & Sediment Control Plan ☒ Yes ☐ NA
Stormwater Management Plan ☒ Yes ☐ NA
LDA Permit ☐ Yes ☐ NA

Required documents must be kept at a centralized location on the project site (i.e. in a mail box or other container)

2.0 Authorized Non-Stormwater Discharges

Type of Authorized Non-Stormwater Discharges Likely Present at Your Project Site?

Uncontaminated excavation dewatering ☒ Yes ☐ No
Landscape irrigation ☒ Yes ☐ No
Others [describe] ☐ Yes ☐ No

3.0 Pollution Prevention Awareness

Employees will be given a "walk through" of the site identifying areas of possible pollution and will be shown Erosion and Sediment Controls and Pollution Prevention Practices (identified in Sections 4.0 and 5.0 of this SWPPP) that are applicable to their assigned job duties. A refresher meeting and "walk through" will be conducted on an as needed basis.

4.0 Erosion & Sediment Controls

Select all that apply	Erosion & Sediment Control	Estimated Installation Date	Estimated Removal Date	Responsible Party
<input type="checkbox"/>	Construction Entrance (Std. & Spec. 3.02)			
<input checked="" type="checkbox"/>	Silt Fence (Std. & Spec. 3.05)	March 2020	February 2021	
<input type="checkbox"/>	Culvert Inlet Protection (Std. & Spec. 3.08)			
<input type="checkbox"/>	Outlet Protection (Std. & Spec. 3.18)		NA	
<input checked="" type="checkbox"/>	Temporary Seeding (Std. & Spec. 3.31)	As required	NA	
<input type="checkbox"/>	Permanent Seeding (Std. & Spec. 3.32)		NA	
<input checked="" type="checkbox"/>	Sodding (Std. & Spec. 3.33)		NA	
<input type="checkbox"/>	Mulching (Std. & Spec. 3.35)		NA	
<input type="checkbox"/>	Safety Fence (Std. & Spec. 3.01)			
<input checked="" type="checkbox"/>	Storm Drain Inlet Protection	March 2020	February 2021	

Arlington County SWPPP 12/2016

STORMWATER POLLUTION PREVENTION PLAN

5.0 Potential Sources of Pollution & Pollution Prevention Practices

Pollutant-Generating Activity	Likely Present at your Project Site?	Pollutants										Pollution Prevention Practice	Responsible Party
		Sediment	Nutrients	Heavy Metals	pH (acids and bases)	Pesticides & Herbicides	Oil & Grease	Bacteria & Viruses	Trash, Debris, Solids	Other Toxic Chemicals			
Clearing, grading, excavating, and un-stabilized areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X						X		(1)		
Paving and saw cutting operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X					X		X		(2)		
Concrete operations, washout, and cement waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			X	X				X		(3)		
Washing / cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	X	X	X		X		X	X	(4)		
Dewatering operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X						X		(5)		
Material / chemical use and storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X	X	X	X	X		X	X	(6)		
Equipment and vehicle maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				X		X		X	X	(7)		
Waste management / disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								X	X	(8)		
Sanitary waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		X		X			X			(9)		
Nutrient management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	X						X	X	(10)		

Arlington County SWPPP 11/2016

STANDARD NOTE FROM STORMWATER MANUAL: 2.4 POLLUTION PREVENTION PLAN (P2 PLAN)

ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S M54 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS:

WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.

APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S M54 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.

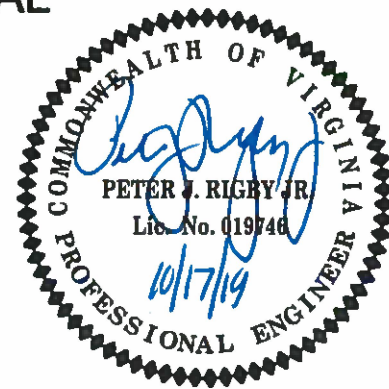
PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Matthew Brumby 12.10.2019
QUALITY CONTROL ENGINEER
John J. Smith 12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR
John J. Smith 12/10/19
WATER, SEWER, STREETS BUREAU CHIEF
John J. Smith 12/10/19
TRANSPORTATION DIRECTOR
John J. Smith 12/10/19
PROJECT MANAGER

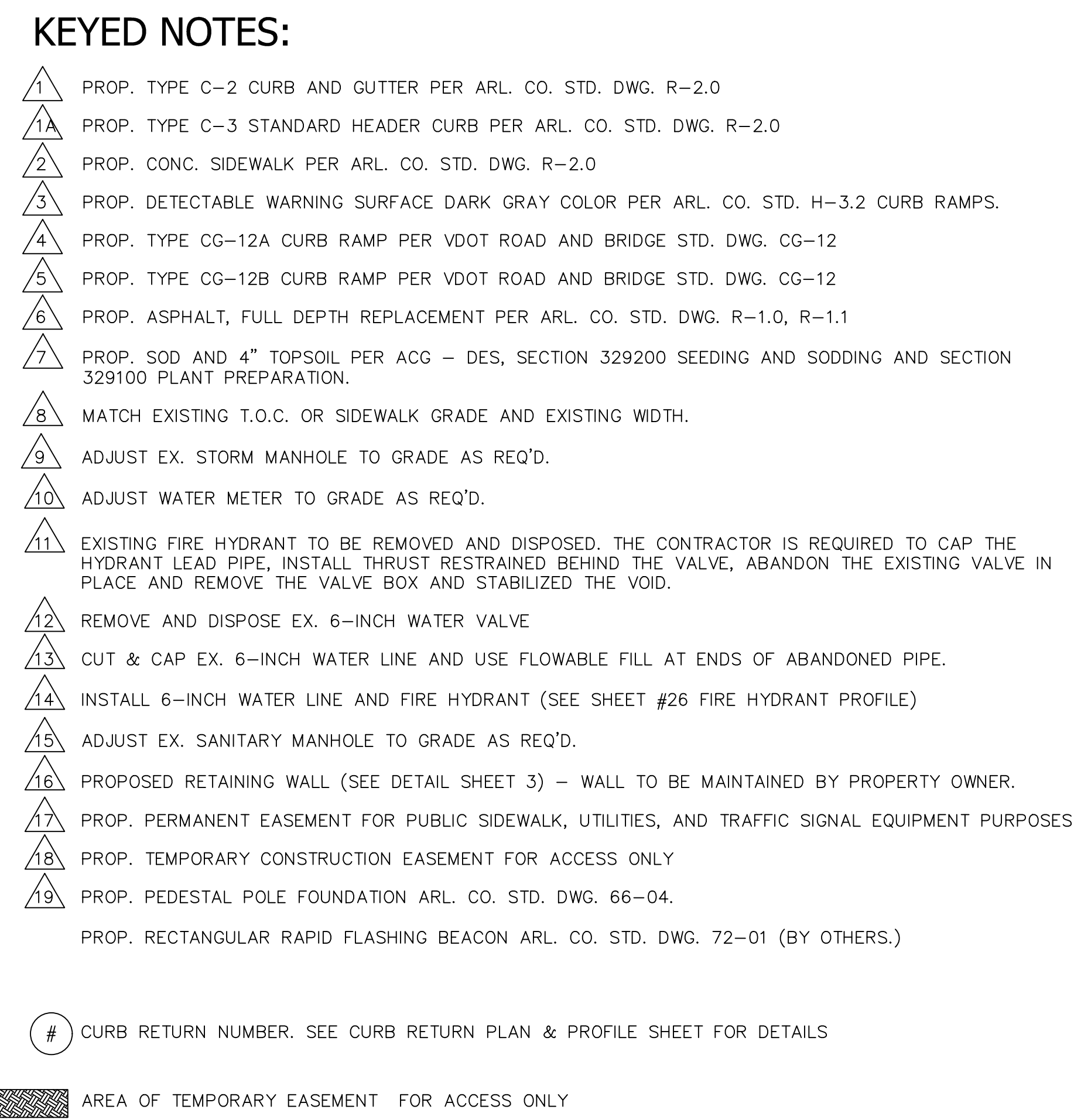
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
STORMWATER POLLUTION PREVENTION PLAN

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

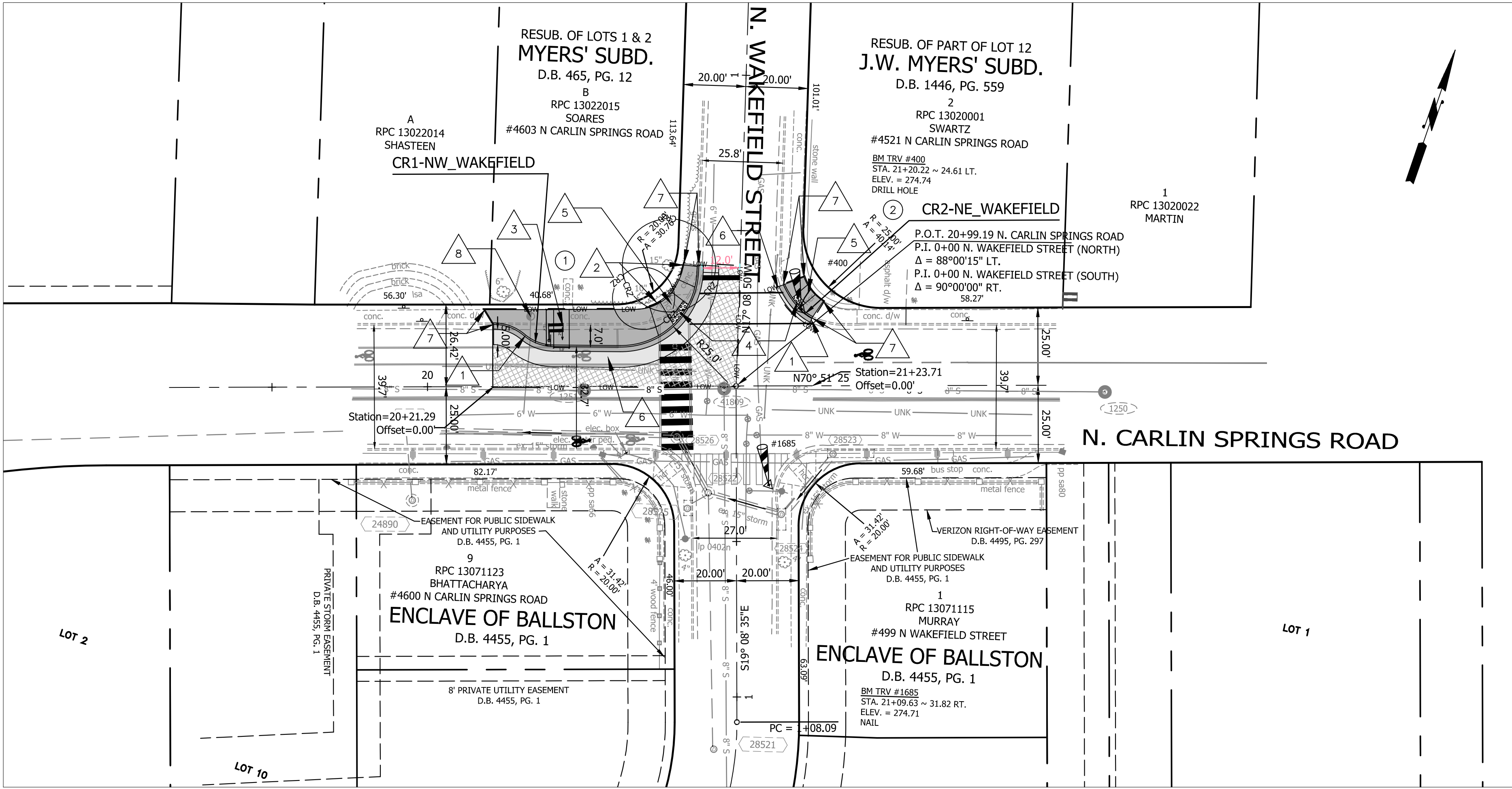
SCALE:



THE FOLLOWING PERMITS WILL BE REQUIRED FOR THIS PROJECT.

1. ARLINGTON COUNTY LAND DISTURBING ACTIVITY (LDA) PERMIT
2. ARLINGTON COUNTY PUBLIC RIGHT-OF-WAY (PROW) PERMIT
3. ARLINGTON COUNTY TRANSPORTATION RIGHT-OF-WAY (TROW) PERMIT
4. NO VDOT PERMITS ARE REQUIRED.
5. NO WMATA PERMITS ARE REQUIRED.

N. CARLIN SPRINGS ROAD



KEYED NOTES:

- 1 PROP. TYPE C-2 CURB AND GUTTER PER ARL. CO. STD. DWG. R-2.0
- 2 PROP. TYPE C-3 STANDARD HEADER CURB PER ARL. CO. STD. DWG. R-2.0
- 3 PROP. CONC. SIDEWALK PER ARL. CO. STD. DWG. R-2.0
- 4 PROP. DETECTABLE WARNING SURFACE DARK GRAY COLOR PER ARL. CO. STD. H-3.2 CURB RAMPS.
- 5 PROP. TYPE CG-12B CURB RAMP PER VDOT ROAD AND BRIDGE STD. DWG. CG-12
- 6 PROP. ASPHALT, FULL DEPTH REPLACEMENT PER ARL. CO. STD. DWG. R-1.0, R-1.1
- 7 MATCH EXISTING T.O.C. OR SIDEWALK GRADE AND EXISTING WIDTH.
- 8 ADJUST WATER METER TO GRADE AS REQ'D.

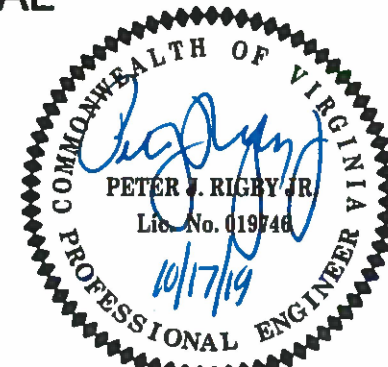
CURB RETURN NUMBER. SEE CURB RETURN PLAN & PROFILE SHEET FOR DETAILS



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

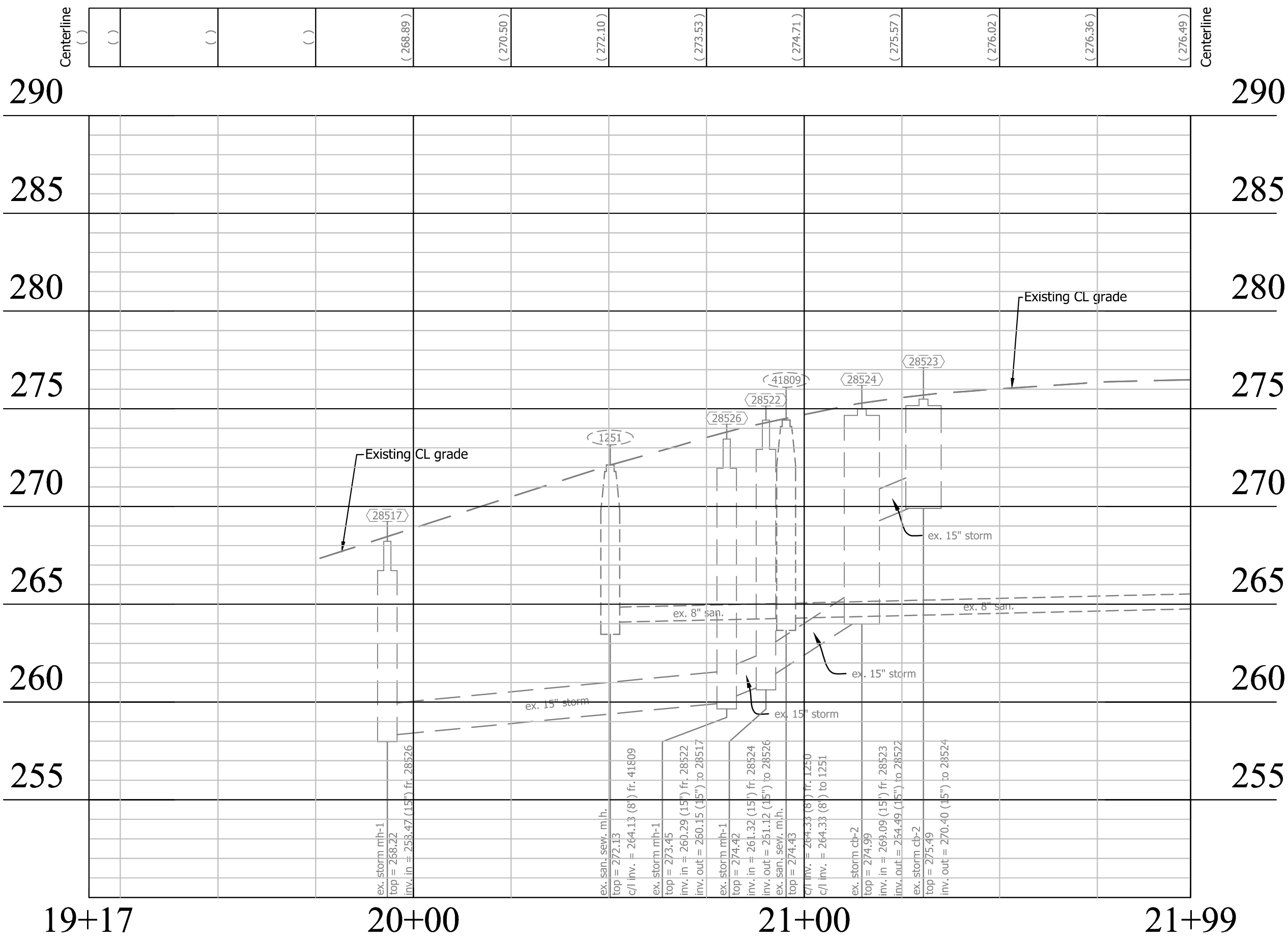


APPROVALS DATE

12.10.2019
12/10/19
12/10/19
12/10/19
12/10/19
12/10/19

REVISIONS DATE

N CARLIN SPRINGS ROAD CL ALIGNMENT



PERMIT REQUIREMENTS

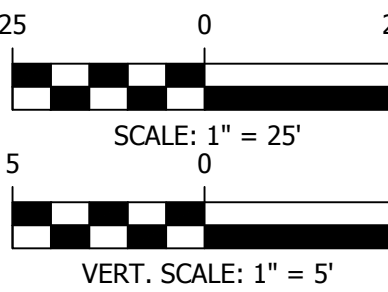
- THE FOLLOWING PERMITS WILL BE REQUIRED FOR THIS PROJECT.
- 1. ARLINGTON COUNTY LAND DISTURBING ACTIVITY (LDA) PERMIT
 - 2. ARLINGTON COUNTY PUBLIC RIGHT-OF-WAY (PROW) PERMIT
 - 3. ARLINGTON COUNTY TRANSPORTATION RIGHT-OF-WAY (TROW) PERMIT
 - 4. NO VDOT PERMITS ARE REQUIRED.
 - 5. NO WMATA PERMITS ARE REQUIRED.

N. CARLIN SPRINGS ROAD
AT N EDISON STREET AND AT N WAKEFIELD STREET
PLAN_PROFILE_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:

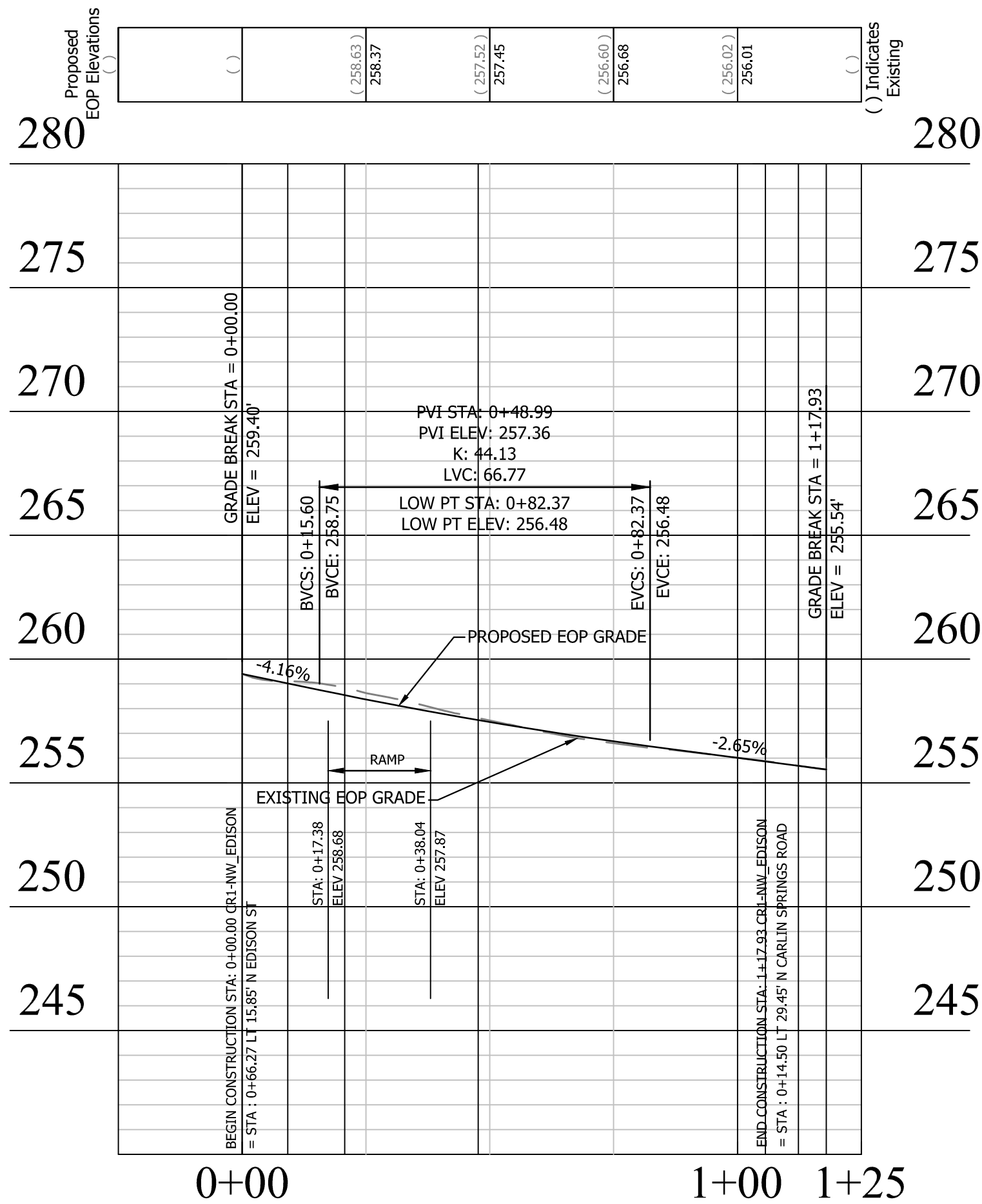


REVISED ON 05/23/2018

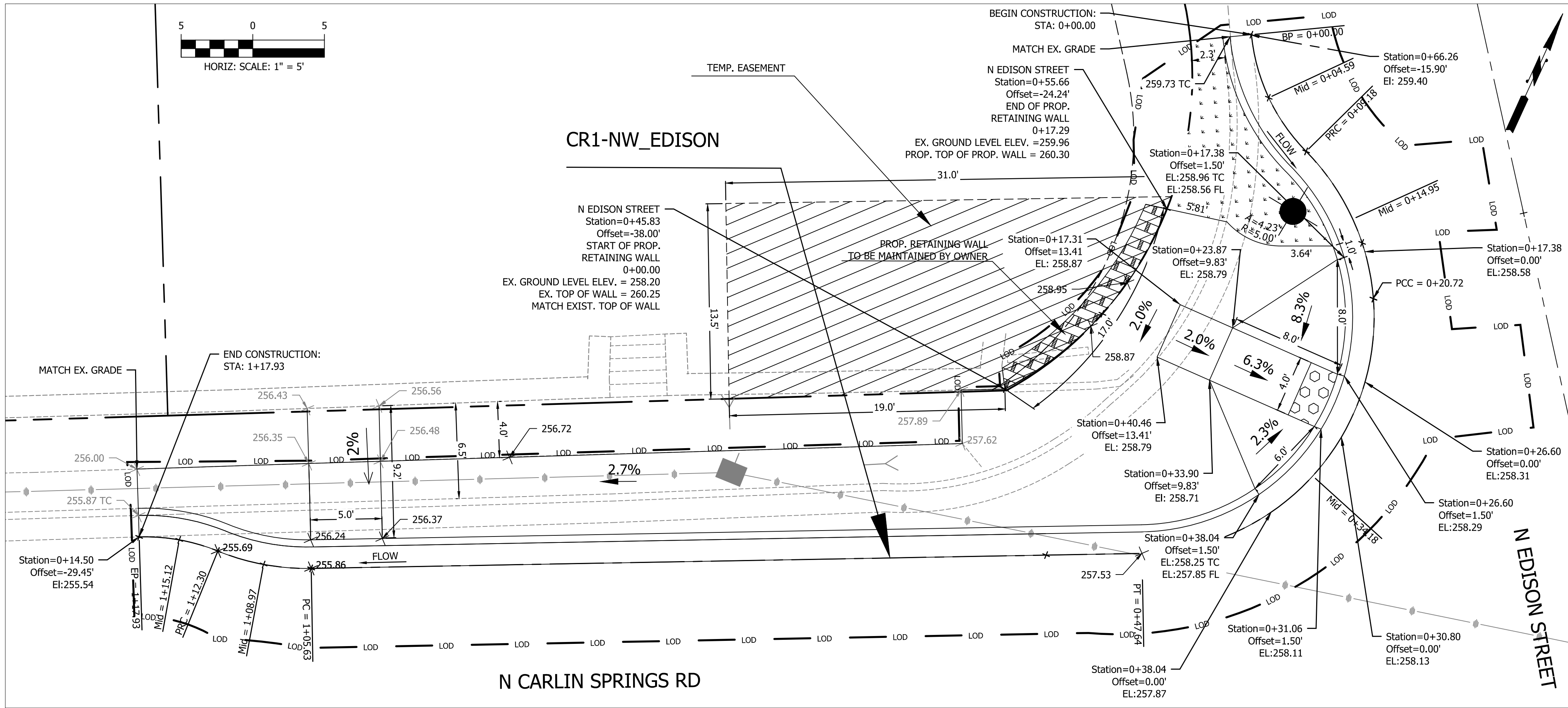
FILENAME: DC14-208-RAMP_DETAILS_EDISON.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90_100_PCT_ARCHIVE PLOTTED BY: JROJAS

PV - CR1-NW_EDISON

(STATIONING ALONG EDGE OF PAVEMENT)

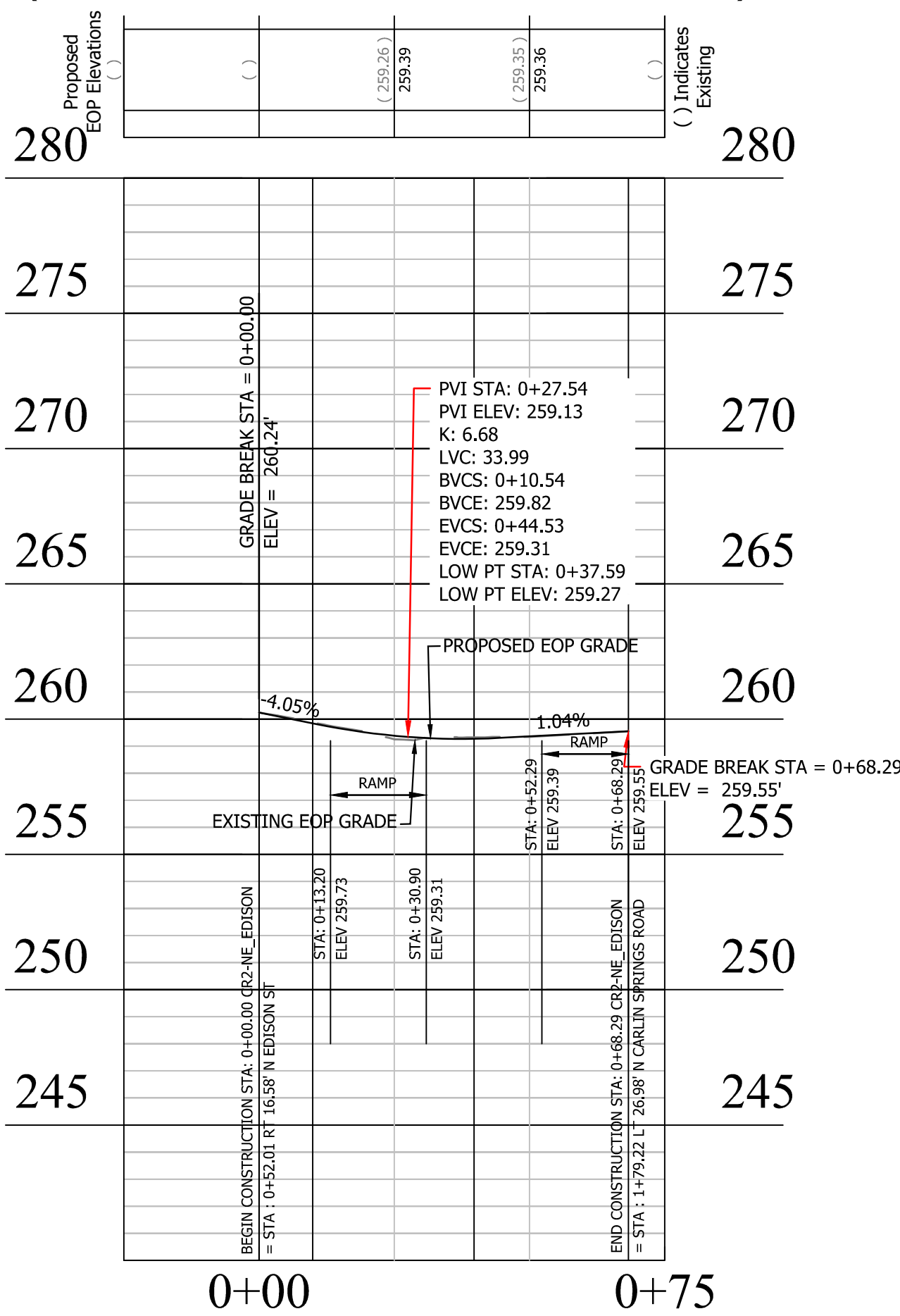


CURB RETURN - CR1

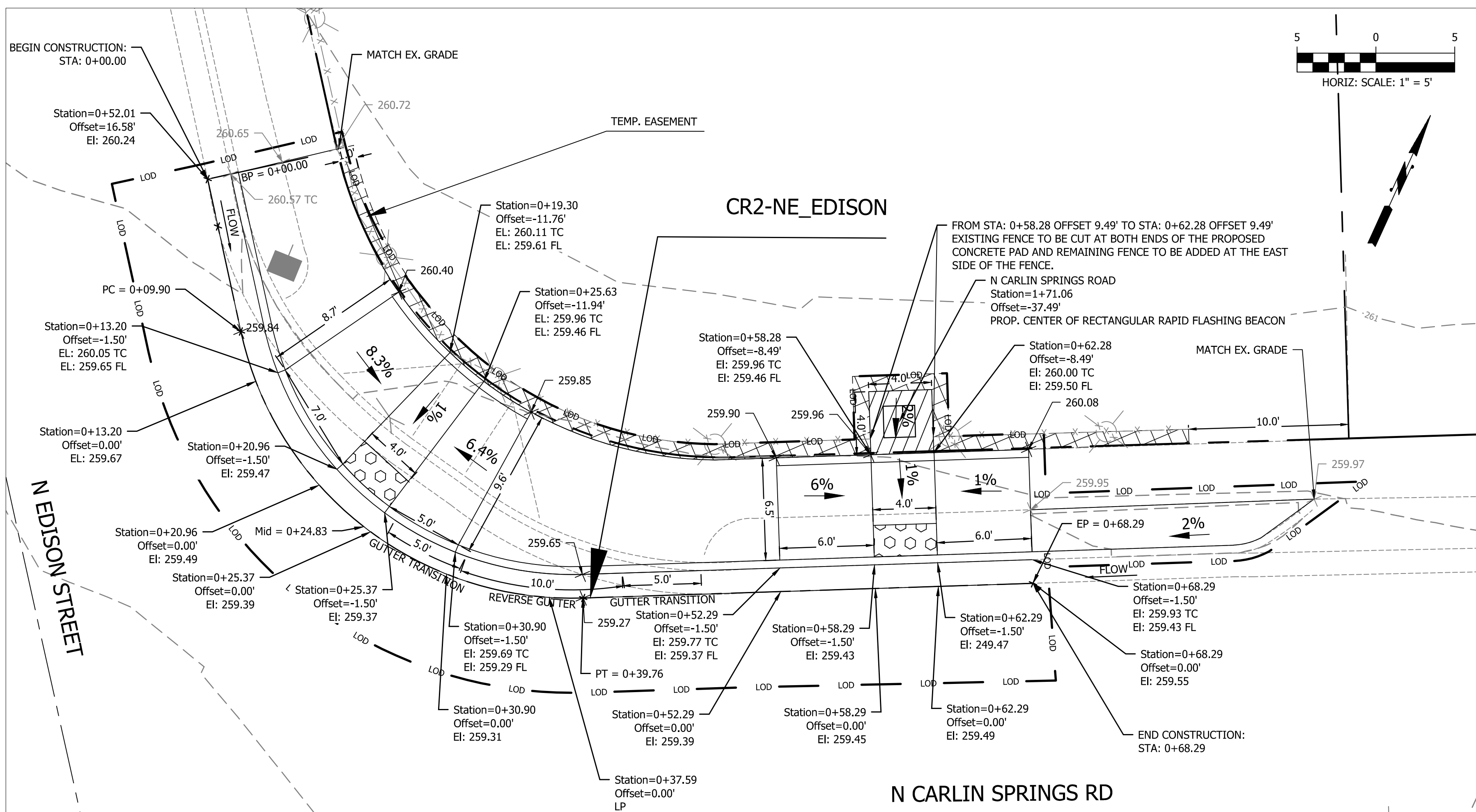


PV - CR2-NE_EDISON

(STATIONING ALONG EDGE OF PAVEMENT)



CURB RETURN - CR2



DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12.10.2019

QUALITY CONTROL ENGINEER

12/10/19

CONSTRUCTION MANAGEMENT SUPERVISOR

12/10/19

WATER, SEWER, STREETS BUREAU CHIEF

12/10/19

TRANSPORTATION DIRECTOR

12/10/19

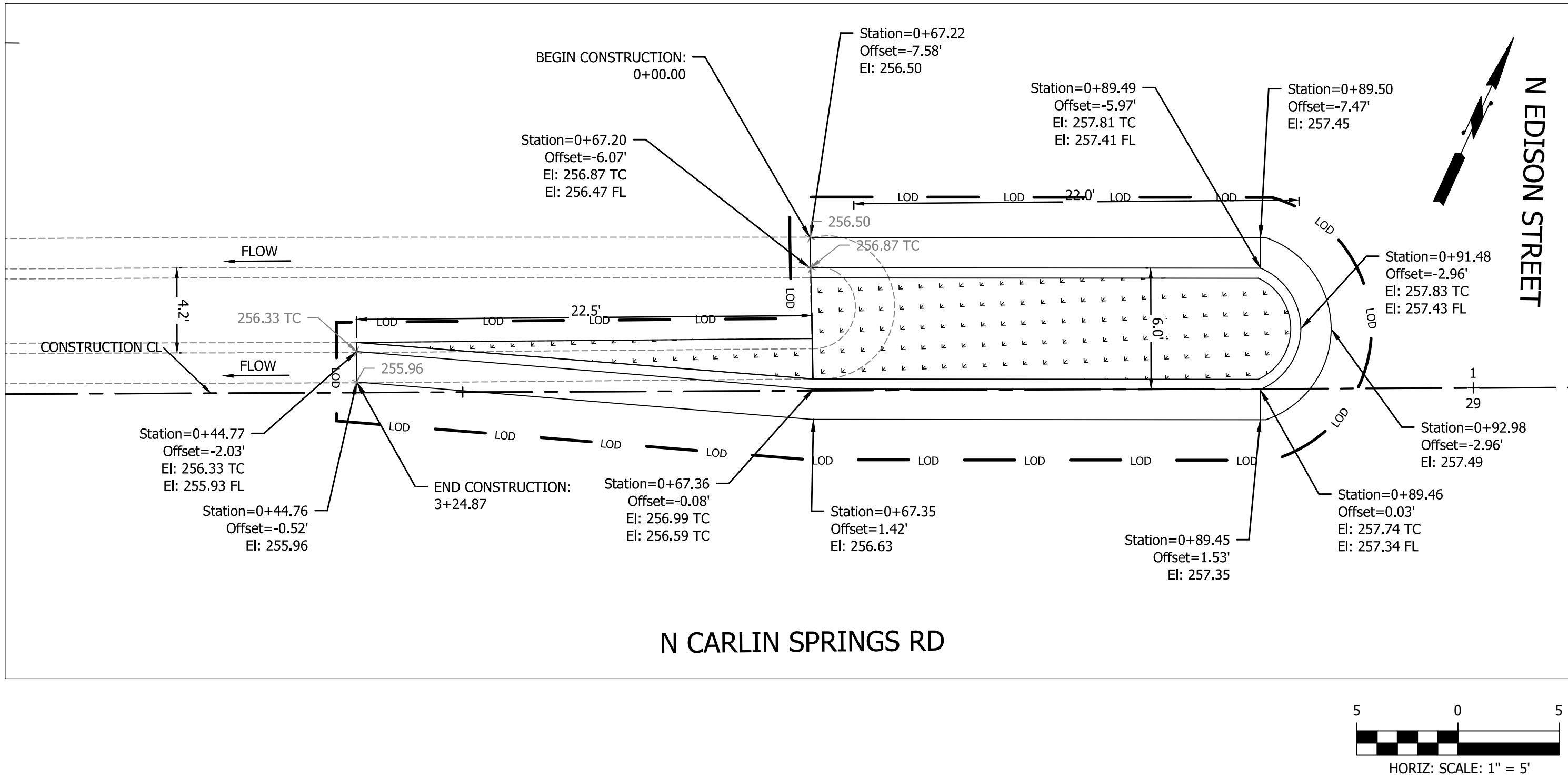
PROJECT MANAGER

REVISIONS DATE

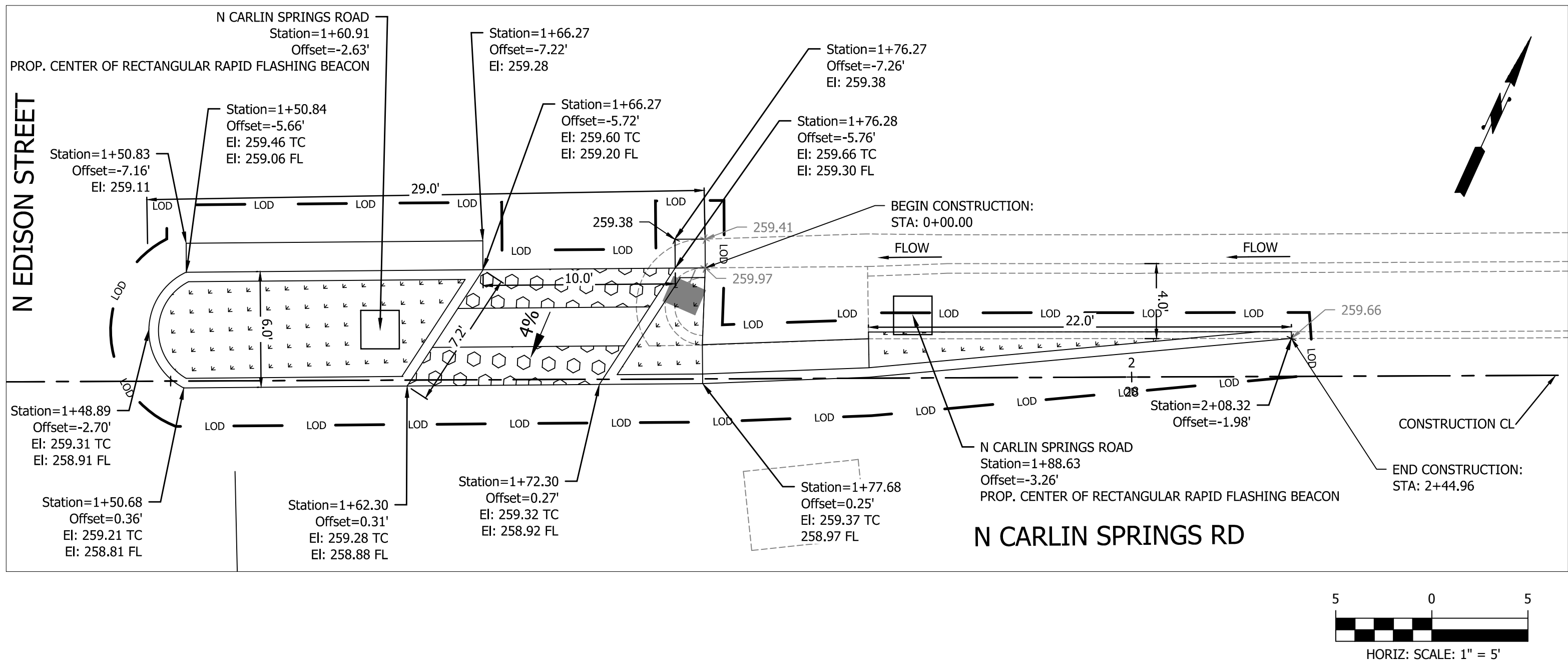
REVISED ON 05/23/2018

FILENAME: DC14-208-RAMP_DETAILS_MEDIAN_EDISON.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90_100_PCT_ARCHIVE PLOTTED BY: JROJAS

MEDIAN - WEST EDISON CR5

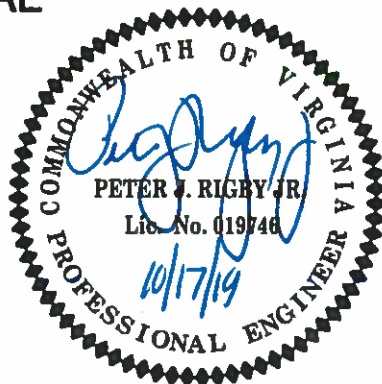


CUT THROUGH MEDIAN - EAST EDISON CR6



DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



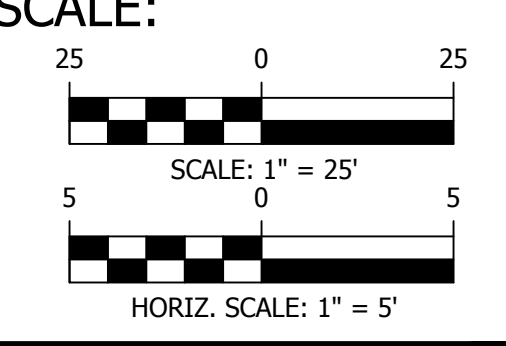
APPROVALS	DATE
Matthew B. Smith QUALITY CONTROL ENGINEER	12.10.2019
John J. Smith CONSTRUCTION MANAGEMENT SUPERVISOR	12/18/19
John J. Smith WATER, SEWER, STREETS BUREAU CHIEF	12/17/19
John J. Smith TRANSPORTATION DIRECTOR	12/17/19
John J. Smith PROJECT MANAGER	12/10/19

REVISIONS	DATE

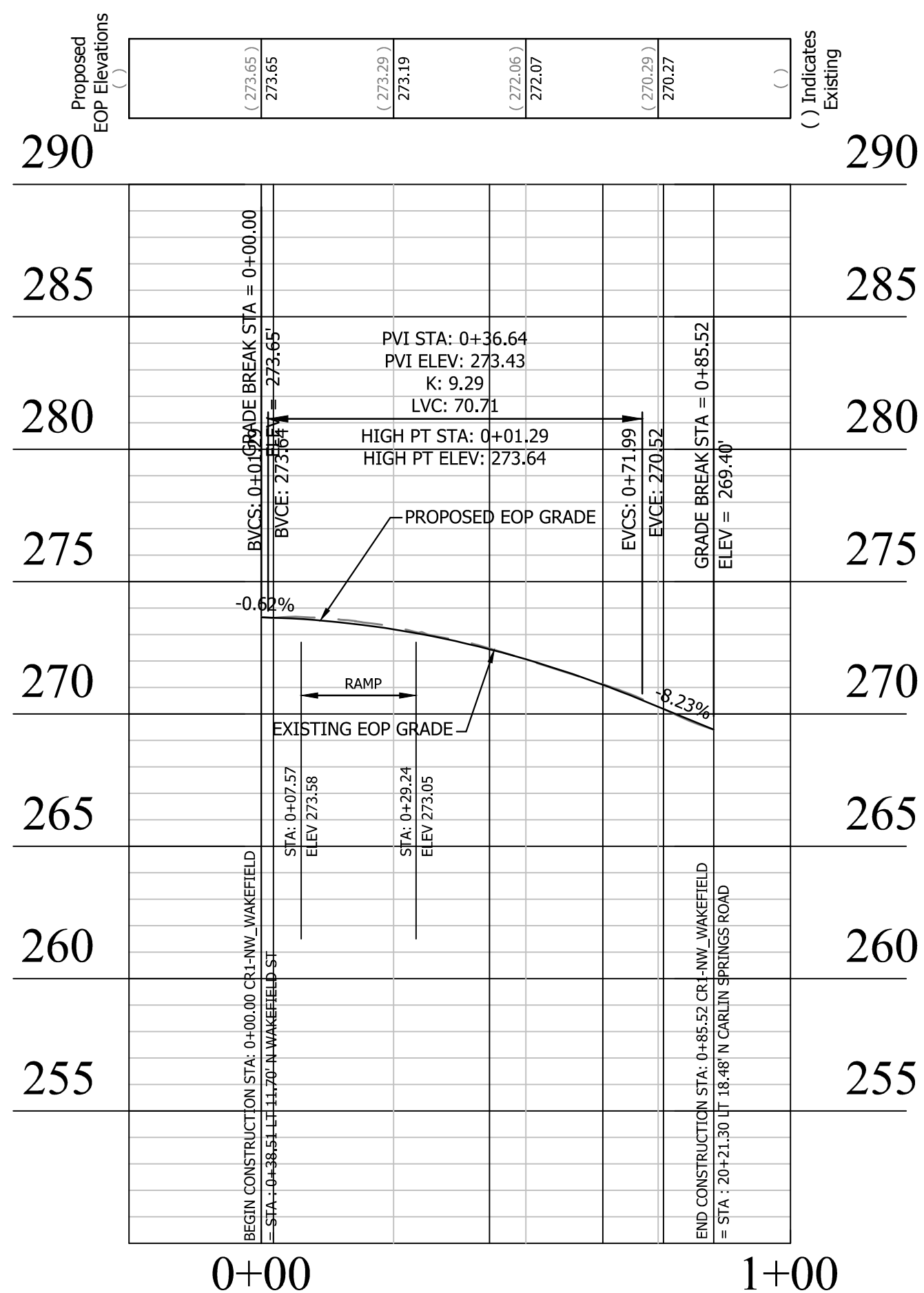
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
RAMP DETAILS EDISON CR5 CR6

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019



PV - CR1-NW_WAKEFIELD
(STATIONING ALONG EDGE OF PAVEMENT)



SHEET 24 OF 33



ENGINEER
DEPARTMENT OF
ENVIRONMENTAL SERVICES

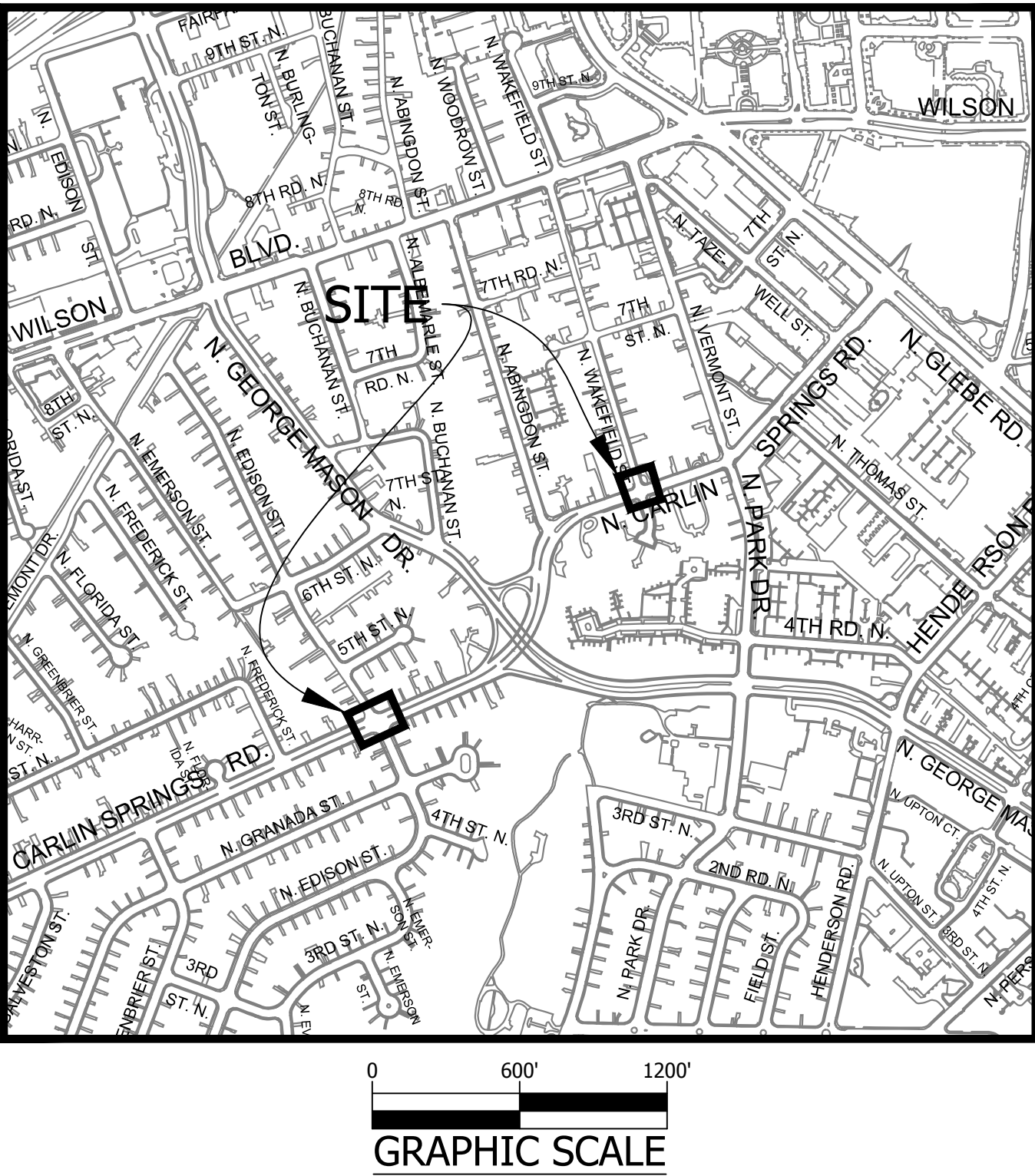
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629 FAX: 703.228.3606
WWW.ARLINGTONVA.US

OWNER
DEPARTMENT OF
ENVIRONMENTAL SERVICES

DEPARTMENT OF TRANSPORTATION
ENGINEERING AND OPERATIONS BUREAU
2100 CLARENDON BOULEVARD, SUITE 900,
ARLINGTON, VA 22201
PHONE: 703.228.6570 FAX: 703.228.3606
WWW.ARLINGTONVA.US

CONTRACTOR
TO BE DETERMINED

LOCATION MAP



CONSTRUCTION DRAWINGS FOR:

N. CARLIN SPRINGS ROAD
AT N EDISON STREET AND AT N WAKEFIELD STREET

PROJECT NUMBER: DC14

GENERAL NOTES:

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES, CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND WHERE APPLICABLE THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, AND ROAD AND BRIDGE STANDARDS. THE LATEST EDITIONS OF EACH RELEVANT MANUAL SHALL BE USED.
- ALL CONSTRUCTION AND WORK ACTIVITIES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ALL OTHER RELEVANT WORK SAFETY REQUIREMENTS, LATEST EDITIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT OFFICER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY". PRIVATE WATER, SEWER AND GAS LATERALS WILL NOT BE MARKED BY MISS UTILITY OR THE COUNTY. THE CONTRACTOR SHALL LOCATE AND PROTECT THESE SERVICES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL RETAIN A PROFESSIONAL LAND SURVEYOR LICENSED IN THE COMMONWEALTH OF VIRGINIA TO PROVIDE ALL NECESSARY CONSTRUCTION LAYOUTS AND ESTABLISH ALL CONTROL LINES, GRADES, AND ELEVATION DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL CUT SHEETS FOR REVIEW, PER THE SPECIFICATIONS. THE COST OF ALL NECESSARY SURVEYING SERVICES SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND, UNLESS OTHERWISE SPECIFIED, THE COST SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED TO BE APPROXIMATE. WHEN CONSTRUCTION ACTIVITY REACHES IN PROXIMITY TO EXISTING UTILITIES, THE TRENCH(ES) SHALL BE OPENED A SUFFICIENT DISTANCE AHEAD OF THE WORK OR TEST PITS SHALL BE MADE TO VERIFY THE EXACT LOCATION AND INVERTS OF THE UTILITY TO ALLOW FOR POSSIBLE CHANGES IN THE LINE OR GRADE AS DIRECTED BY OFFICER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES AND THE RELATED STRUCTURES. ALL EXISTING UTILITY SYSTEMS SHALL BE PROTECTED TO PREVENT DAMAGE DURING THE CONTRACTOR'S OPERATIONS. ANY SYSTEM DAMAGED SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
- EXISTING MANHOLE FRAMES, COVERS, VALVE BOXES, AND OTHER APPURTENANCES SHALL BE ADJUSTED TO THE FINAL GRADE OR REPLACED, AS NECESSARY. UNLESS OTHERWISE SPECIFIED, THE COST FOR THIS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
- THE CONTRACTOR SHALL PROVIDE ADA COMPLIANT ACCESS THROUGH OR AROUND THE SITE AT ALL TIMES AND SHALL ENSURE THE SAFETY OF ALL THOSE PASSING THROUGH OR ADJACENT TO THE SITE.
- ALL SIDEWALK AND CURB AND GUTTER DEMOLITION SHALL BEGIN AND END AT THE CONSTRUCTION JOINT NEAREST TO THE DEPICTED DEMOLITION EXTENTS WITH A NEAT SAWCUT LINE TO FULL DEPTH OF PAVEMENT SECTION.

STORMWATER AND ENVIRONMENTAL PROTECTION

- THE CONTRACTOR SHALL CONFINE ALL ACTIVITIES AT THE SITE ASSOCIATED WITH CONSTRUCTION ACTIVITIES, TO INCLUDE STORAGE OF EQUIPMENT AND OR MATERIALS, ACCESS TO THE WORK, FORMWORK, ETC. TO WITHIN THE DESIGNATED LIMITS OF DISTURBANCE (LOD).

TREE PROTECTION

- TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF ARLINGTON PARKS & RECREATION STANDARD.

TRAFFIC CONTROL

- CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO DISTURBING ANY EXISTING, OR INSTALLING ANY NEW, TRAFFIC SIGNS, SIGNALS, OR OTHER TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL PREMARK THE LAYOUT OF ANY PERMANENT TRAFFIC CONTROL STRIPING, INDICATING THE PROPOSED LOCATION AND TYPE OF MARKING TO BE INSTALLED. THE PREMARKING MAY CONSIST OF TYPE D TAPE, CHALK, OR LUMBER CRAYONS. THE CONTRACTOR SHALL ALLOW 3 WORKING DAYS FOR THE INSPECTION AND APPROVAL OF THE PREMARKINGS PRIOR TO PLACING THE PERMANENT MARKINGS.
- THE CONTRACTOR SHALL SUBMIT ANY REQUESTS FOR TEMPORARY "NO PARKING" RESTRICTIONS TO THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO THE DESIRED ONSET OF RESTRICTIONS. PRIOR TO A REQUEST FOR THE REMOVAL OF ACCESS TO ANY ADA PARKING SPACE THE CONTRACTOR MUST HAVE MADE PROVISION FOR ALTERNATIVE ADA PARKING AS INDICATED ON THE APPROVED PLAN OR AS DIRECTED BY THE PROJECT OFFICER.
- WHEN THE APPROVED PLAN CALLS FOR THE REMOVAL OF ANY PARKING METER THE CONTRACTOR MUST MAKE A REQUEST TO THE PROJECT OFFICER AT LEAST ONE WEEK IN ADVANCE OF THE DESIRED REMOVAL. THE PROJECT OFFICER WILL THEN COORDINATE THE PARKING METER REMOVAL WITH TRAFFIC ENGINEERING AND OPERATIONS.
- THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESSIBILITY THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. ANY RELOCATION OR CLOSURE OF A BUS STOP SHALL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR - 703-228-3049.
- WHEN CONDITIONS WARRANT DUE TO TRAFFIC VOLUMES, PATTERNS, OR SPECIAL EVENTS, THE COUNTY MAY SUSPEND OR OTHERWISE DIRECT THE CONTRACTOR'S ACTIVITIES TO PROTECT THE PUBLIC AND OR THE COUNTY'S TRANSPORTATION NETWORK.

WATER DISTRIBUTION, STORM AND SANITARY SEWER SYSTEMS

- UNLESS OTHERWISE DIRECTED, CONTRACTORS ARE EXPRESSLY PROHIBITED FROM OPERATING ANY WATER VALVES OR APPURTENANCES. CONTRACTORS SHALL SUBMIT ALL REQUESTS FOR VALVE OPERATIONS TO THE PROJECT OFFICER AT LEAST 1 WEEK IN ADVANCE OF THE REQUIRED OPERATION.
- IN THE EVENT OF A WATER OR SEWER EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY'S WATER CONTROL CENTER AT 703-228-6555 AND THE PROJECT OFFICER.
- THE CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTOFFS, DISCONNECTS, AND/OR ABANDONMENT WITH UTILITY OWNER AND PROJECT OFFICER AT LEAST 1 WEEK IN ADVANCE OF THE REQUIRED INTERRUPTION.

FIRE DEPARTMENT NOTES:

- ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
- ACCESS TO BUILDINGS FOR FIREFIGHTING SHALL BE MAINTAINED AT ALL TIMES. EXISTING FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE KEPT CLEAR OF OBSTRUCTIONS IN ACCORDANCE WITH SECTION 503.4 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE. ACCESS TO CONSTRUCTION SITES SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 1410 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
- IN THE EVENT THAT EXISTING FIRE DEPARTMENT CONNECTIONS OR FIRE APPARATUS ACCESS ROADS (FIRE LANES) MUST BE OBSTRUCTED TO FACILITATE CONSTRUCTION ACTIVITIES, CONTACT THE ARLINGTON COUNTY FIRE DEPARTMENT FIRE PREVENTION OFFICE AT 703-228-4644 TO COORDINATE REVIEW AND APPROVAL OF TEMPORARY FIRE DEPARTMENT CONNECTIONS AND/OR FIRE APPARATUS ACCESS ROADS PRIOR TO CREATING THE OBSTRUCTION.

TABLE OF CONTENT

Sheet Number	Sheet Title
1	COVER SHEET
2	LEGEND SHEET
3	DETAIL SHEET
4	TYPICAL SECTIONS_EDISON
5	TYPICAL SECTIONS_WAKEFIELD
6	EXISTING CONDITIONS_PLAN_EDISON
7	EXISTING CONDITIONS_PLAN_WAKEFIELD
8	DEMOLITION PLAN_EDISON
9	DEMOLITION PLAN_WAKEFIELD
10	GEOMETRIC CONTROL_PLAN_EDISON
11	GEOMETRIC CONTROL_PLAN_WAKEFIELD
12	EROSION AND SEDIMENT CONTROL NOTES 1
13	EROSION AND SEDIMENT CONTROL NOTES 2
14	EROSION AND SEDIMENT CONTROL DETAILS
15	EROSION AND SEDIMENT CONTROL_PLAN_PHASE I_EDISON
16	EROSION AND SEDIMENT CONTROL_PLAN_PHASE II_EDISON
17	EROSION AND SEDIMENT CONTROL_PLAN_PHASE I_WAKEFIELD
18	EROSION AND SEDIMENT CONTROL_PLAN_PHASE II_WAKEFIELD
18A	VRRM SPREADSHEET
19	STORMWATER POLLUTION PREVENTION PLAN
20	PLAN_PROFILE_EDISON
21	PLAN_PROFILE_WAKEFIELD
22	RAMP DETAILS EDISON CR1 CR2
22A	RAMP DETAIL EDISON CR3
22B	RAMP DETAIL EDISON CR4
23	RAMP DETAILS EDISON CR5 CR6
24	RAMP DETAILS WAKEFIELD CR1
25	RAMP DETAILS WAKEFIELD CR2
26	WATERMAIN-EDISON
27	SIGNAGE_AND_STRIPING_EDISON
28	SIGNAGE_AND_STRIPING_WAKEFIELD
29	MOT N EDISON STREET
30	MOT N WAKEFIELD STREET
31	MAINTENANCE OF TRAFFIC NOTES
32	MAINTENANCE OF TRAFFIC DETAILS I
33	MAINTENANCE OF TRAFFIC DETAILS II

SWM# 19-0167
LDA# 19188

ADT

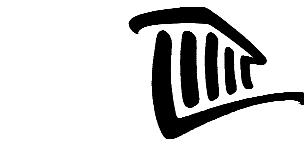
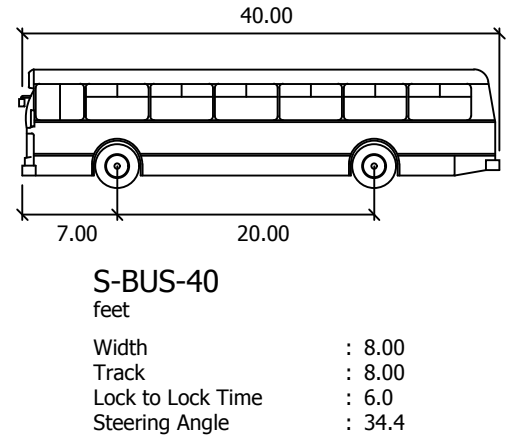
10,000 VPD - N CARLIN SPRINGS ROAD (FROM N GEORGE MASON DRIVE TO N GLEBE ROAD) - 2017 - VDOT
18,000 VPD - N CARLIN SPRINGS ROAD (FROM ARLINGTON BLVD TO N GEORGE MASON DRIVE) - 2017 - VDOT

STREET CLASSIFICATION

MINOR ARTERIAL - N CARLIN SPRINGS ROAD / N WAKEFIELD STREET
OTHER PRINCIPAL ARTERIAL - N CARLIN SPRINGS ROAD / N EDISON STREET
NEIGHBORHOOD MINOR - N WAKEFIELD STREET
NEIGHBORHOOD MINOR - N EDISON STREET

POSTED SPEED

30 MPH - N CARLIN SPRINGS ROAD
25 MPH - N EDISON STREET
25 MPH - N WAKEFIELD STREET

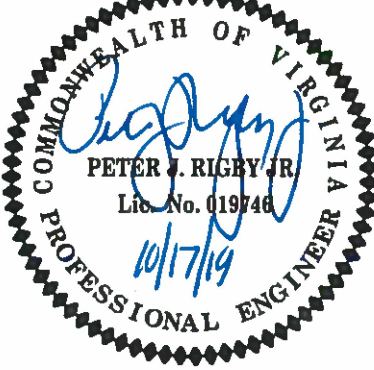


ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Quality Control Engineer: 12.10.2019
Construction Management Supervisor: 12/16/19
Water, Sewer, Streets Bureau Chief: 12/17/19
Transportation Director: 12/17/19
Project Manager: 12/17/19

REVISIONS DATE

REVISION1	RDATE1
REVISION2	RDATE2
REVISION3	RDATE3
REVISION4	RDATE4
REVISION5	RDATE5
REVISION6	RDATE6

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
COVER SHEET

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE: AS NOTED

LINETYPE LEGEND		
FEATURE	EXISTING	PROPOSED
BUILDING		
CENTERLINE / BASELINE		
COMMUNICATIONS CABLE		
CONTOURS MAJOR; MINOR		
CRITICAL ROOT ZONE		
EASEMENT		
ELECTRIC (UNDERGROUND)		
FENCE (MATERIAL NOTED)		
FIBER OPTIC		
GAS LINE		
X" GAS LINE (SIZE INCLUDED IF AVAILABLE)		
GUARDRAIL		
HARDSCAPE FEATURE (MATERIAL NOTED)		
LIMITS OF DISTURBANCE		
LIMITS OF WORK		
OVERHEAD WIRES		
PAVEMENT MINI SKIP LINE		
PAVEMENT SKIP LINE		
PROPERTY LINE		
RIGHT-OF-WAY LINE		
ROOT PRUNING		
SANITARY SEWER		
X" SANITARY SEWER (SIZE INCLUDED IF AVAILABLE)		
SILT FENCE		
STORM (SIZE NOTED)		
STREAM		
STREET LIGHT CONDUIT		
TELEPHONE (UNDERGROUND)		
TREE LINE		
TREE PROTECTION FENCE		
WALL		
WATER		
X" WATER (SIZE INCLUDED IF AVAILABLE)		

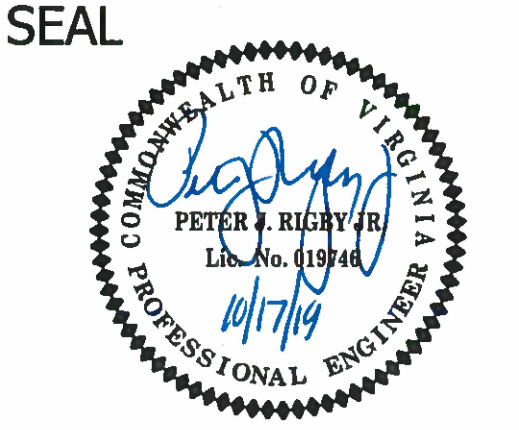
SYMBOL LEGEND	
EXISTING FEATURE	PROPOSED FEATURE
EX CABLE PEDESTAL	
EX ELECTRIC BOX	
EX FIRE HYDRANT	
EX GAS VALVE	
EX GROUND LIGHT	
EX GUY WIRES	
EX IRON PIPE OR PIN	
EX LIGHT POLE	
EX MAILBOX	
EX MONUMENT	
EX PARKING METER	
EX PAY STATION	
EX SANITARY MANHOLE	
EX STORM BASIN	
EX STORM MANHOLE	
EX TELEPHONE PEDESTAL	
EX TRAFFIC CONTROL BOX	
EX TRAFFIC SIGN	
EX TRASH CAN	
EX TRAVERSE	
EX TREES, WOODED AREA	
EX UTILITY MANHOLE TYPE INDICATED ELECTRIC, TELE, ETC	
EX UTILITY POLE	
EX WATER MANHOLE	
EX WATER METER	
EX WATER VALVE	
EX YARD INLET	
EX BENCHMARK	
	CONSTRUCTION NOTES (LEADER TO AREA AFFECTED)
	CURVE NUMBER (SEE CURVE TABLE)
	LINE NUMBER (SEE LINE TABLE)
	TEST HOLE
	NORTH ARROW

LABEL LEGEND	
EXISTING	PROPOSED
EX SAN STRUC NO. EXISTING SANITARY STRUCTURE NUMBER	PROP SAN SEW STRUC NO. PROPOSED SANITARY SEWER STRUCTURE NUMBER
EX STRM SEW STRUC NO. EXISTING STORM SEWER STRUCTUE NUMBER	PROP STRM SEW STRUC NO. PROPOSED STORM SEWER STRUCTURE NUMBER

HATCH LEGEND	
PROP MILL & OVERLAY SEE TYPICAL SECTION FOR DETAILS	
PROP FULL DEPTH ASPHALT SEE TYPICAL SECTION FOR DETAILS	
PROP CONCRETE	
REPLACE & MATCH EXISTING DRIVEWAY OR LEADWALK. SEE CONSTRUCTION NOTES	
DEMOLITION AREA	
GRASS AREA	
PROP RETAINING WALL	



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

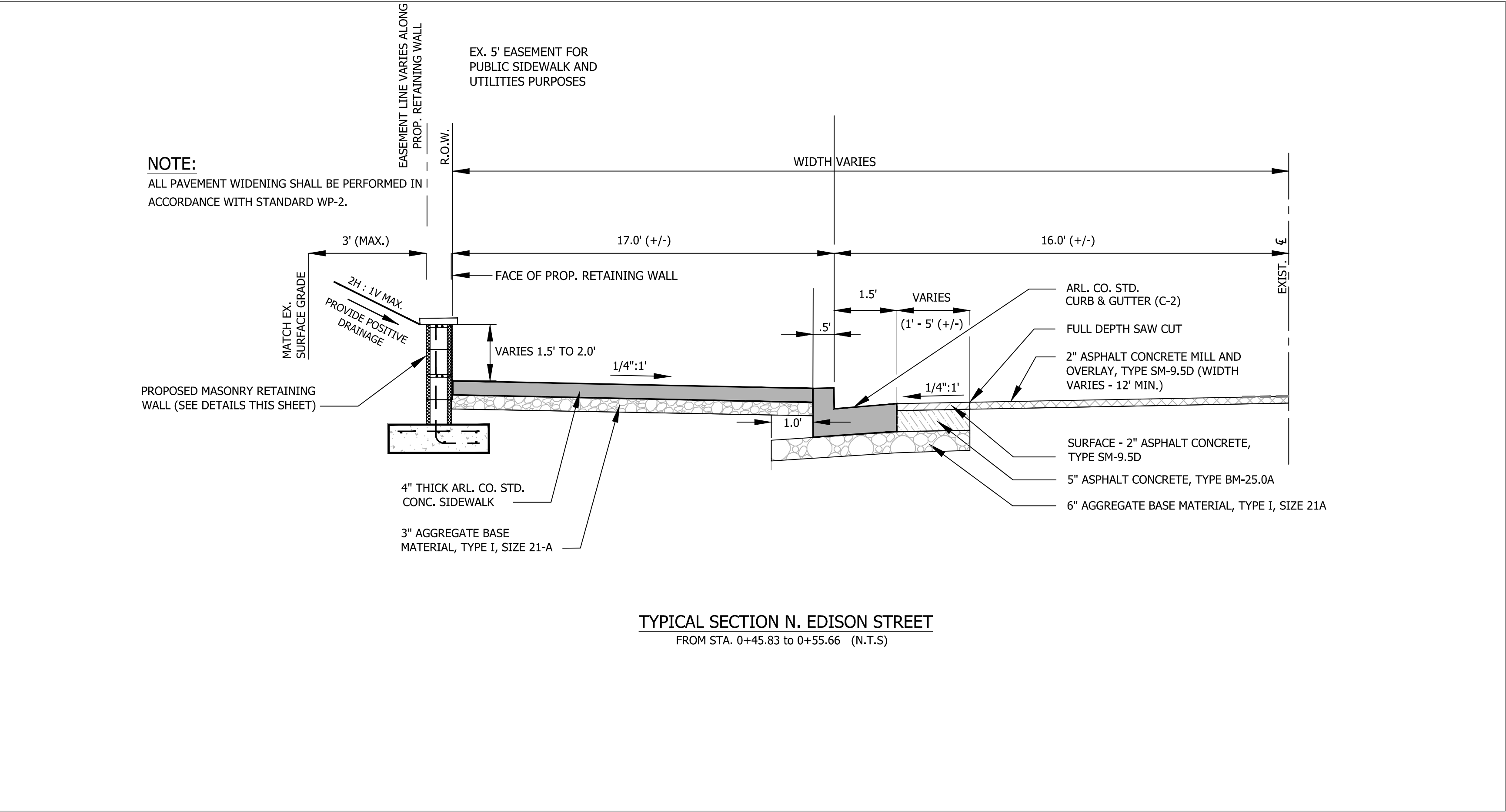
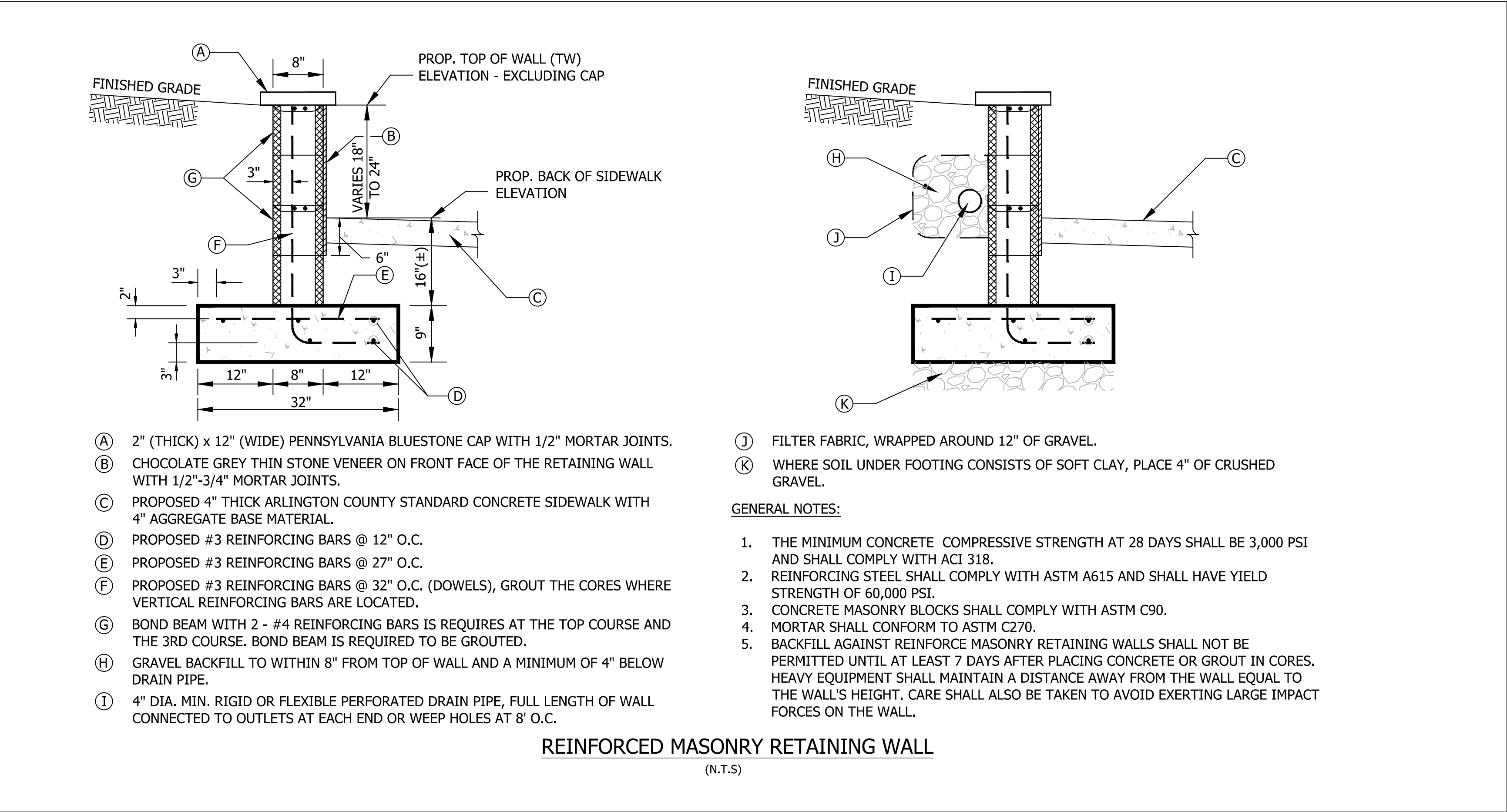


APPROVALS	DATE
	12.10.2019
QUALITY CONTROL ENGINEER	
	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/10/19
WATER, SEWER, STREETS BUREAU CHIEF	
	12/10/19
TRANSPORTATION DIRECTOR	
	12/10/19
PROJECT MANAGER	

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
LEGEND SHEET

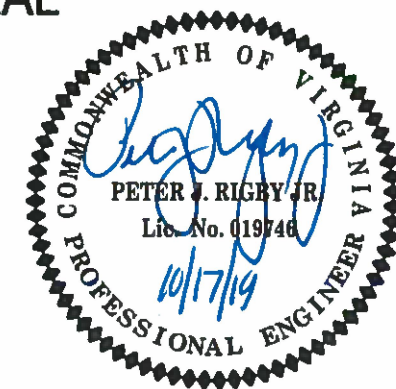
DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019
SCALE:AS NOTED



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS	DATE
<i>Matthew B...</i>	12.10.2019
QUALITY CONTROL ENGINEER	
<i>...</i>	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>...</i>	12/11/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>...</i>	12/11/19
TRANSPORTATION DIRECTOR	
<i>...</i>	12/10/19
PROJECT MANAGER	

REVISIONS	DATE

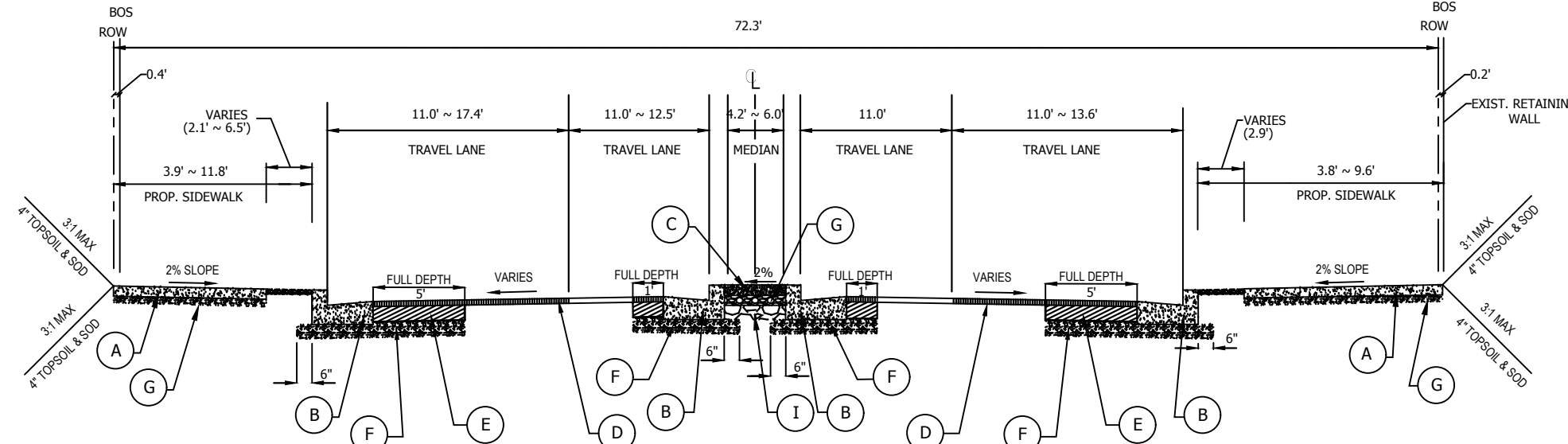
N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
DETAIL SHEET

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019

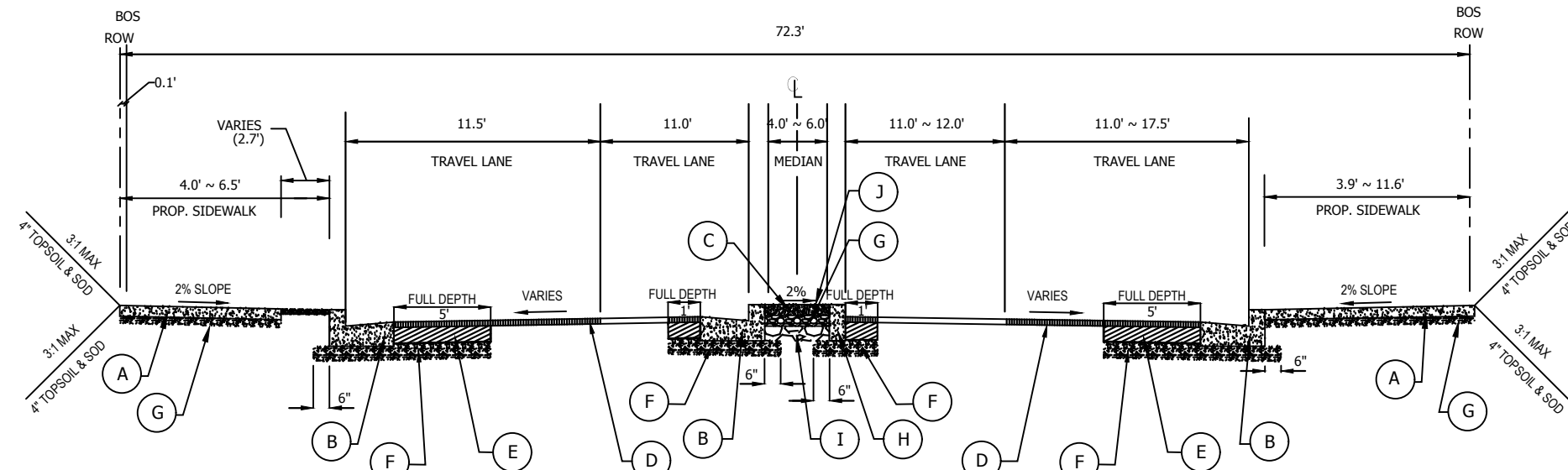
SCALE:AS NOTED

REvised ON 05/23/2018

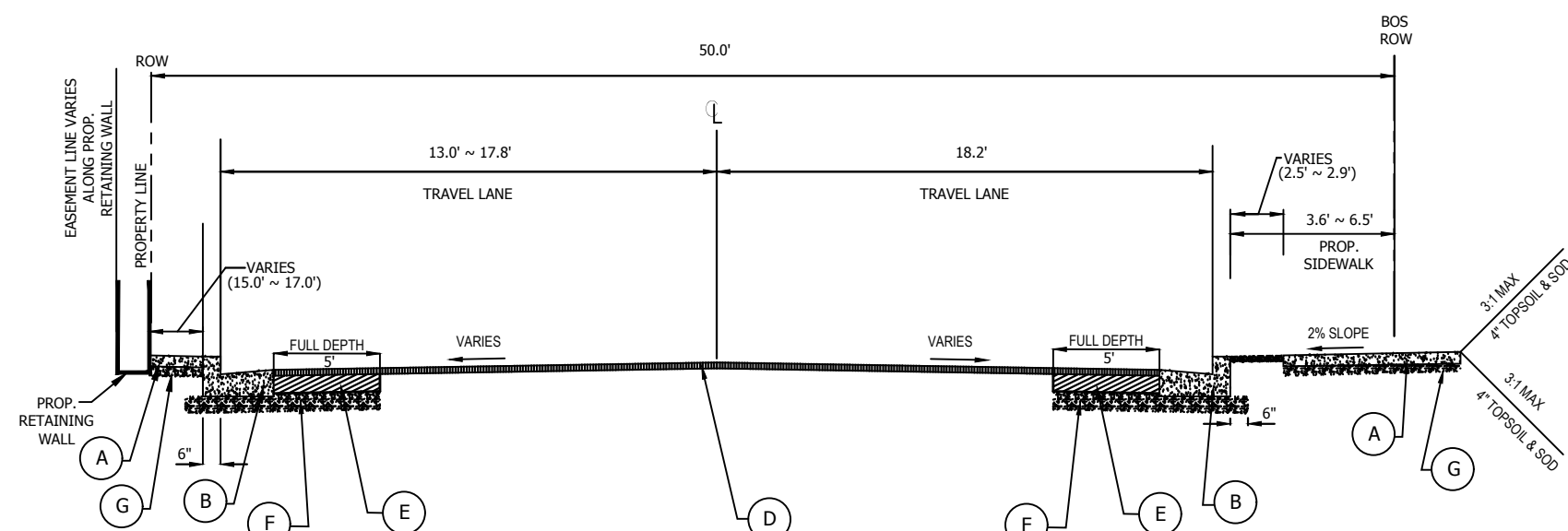
FILENAME: DC14-210-TYPICAL_SECTIONS-EDISON.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90_100_PCT_ARCHIVE_PLOTTED BY: JROJAS



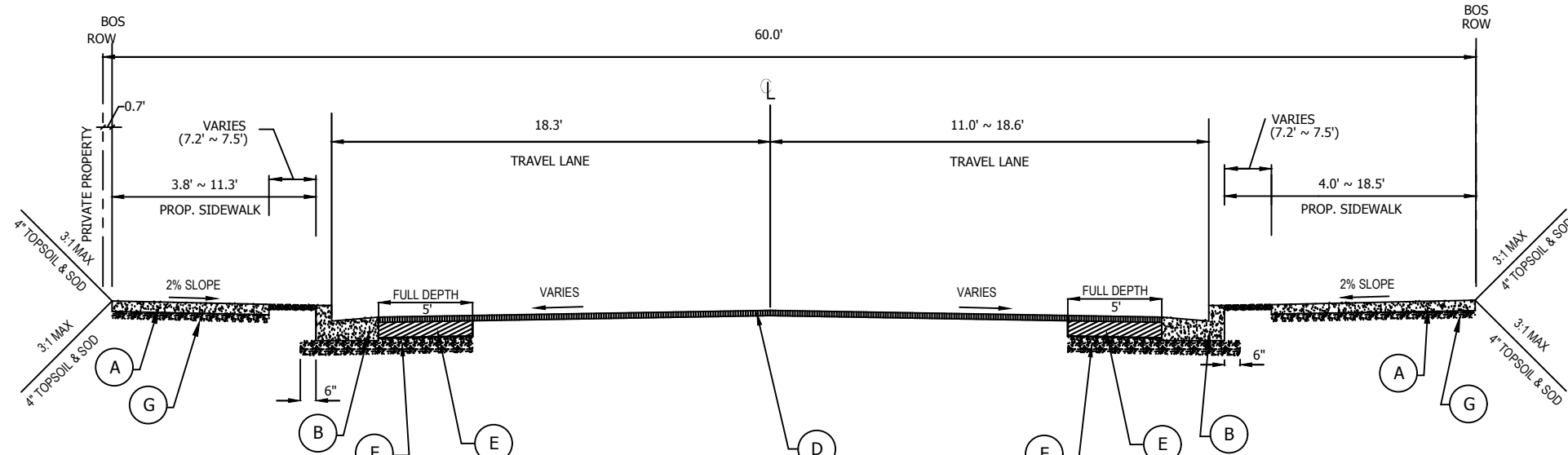
N CARLIN SPRINGS ROAD - WEST SIDE
BASELINE: SURVEY N CARLIN SPRINGS ROAD
CENTERLINE STA 28+78.91 TO STA 29+85.35
N.T.S.



N CARLIN SPRINGS ROAD - EAST SIDE
BASELINE: SURVEY N CARLIN SPRINGS ROAD
CENTERLINE STA 28+78.91 TO STA 27+71.65
N.T.S.



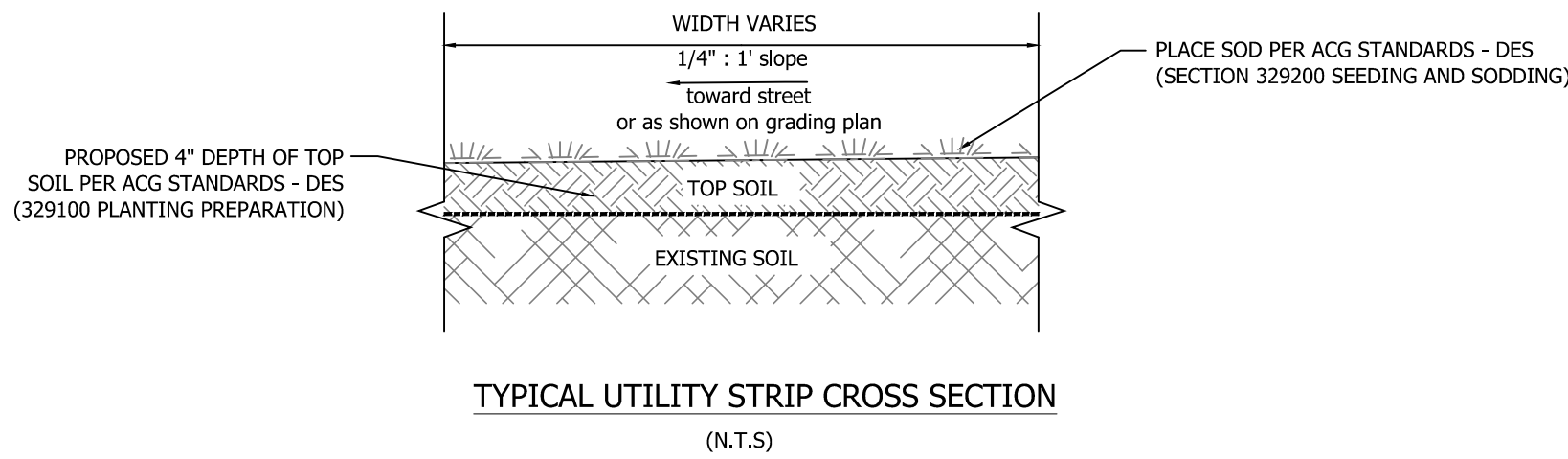
N EDISON STREET - NORTH SIDE
BASELINE: SURVEY N EDISON CENTERLINE
STA 0+00.00 TO STA 0+64.24
N.T.S.



N EDISON STREET - SOUTH SIDE
BASELINE: SURVEY N EDISON CENTERLINE
STA 0+96.91 TO STA 0+00.00
N.T.S.

LEGEND

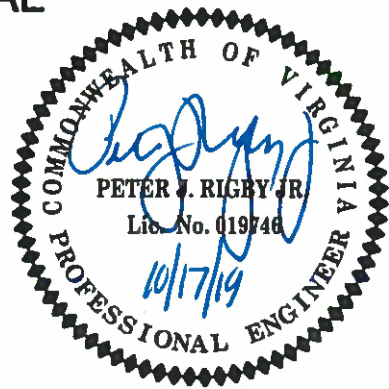
- (A) PROP. 4" CONC. SDWK. CLASS A3 PER ARL. CO. STD. R-2.0
- (B) PROP. CURB AND GUTTER PER ARL. CO. STD. R-2.0 (C-2)
- (C) PROP. 4" TOPSOIL AND SOD PER ACG STANDARDS - DES 329100 & 329200
- (D) PROP. 2" ASPHALT CONCRETE SURFACE COURSE TYPE SM-9.5D PER VDOT SPEC. 211
- (E) PROP. 5" ASPHALT CONCRETE BASE COURSE TYPE BM-25.0A PER VDOT SPEC. 211
- (F) PROP. 6" AGGREGATE BASE MATERIAL, MIN. CBR-30, TYPE 1, SIZE 21-A PER ARL. CO. STD. R-1.4
- (G) PROP. 3" AGGREGATE BASE MATERIAL, MIN. CBR-30, TYPE 1, SIZE 21-A PER ARL. CO. STD. R-2.0
- (H) PROP. STANDARD HEADER CURB PER ARL. CO. STD. R-2.0 (C-3)
- (I) PROP. 4" SELECT BORROW
- (J) PROP. CROSSWALK THROUGH MEDIAN



DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Quality Control Engineer
12/10/2019

Construction Management Supervisor
12/11/19

Water, Sewer, Streets Bureau Chief
12/11/19

Transportation Director
12/11/19

Project Manager
12/10/19

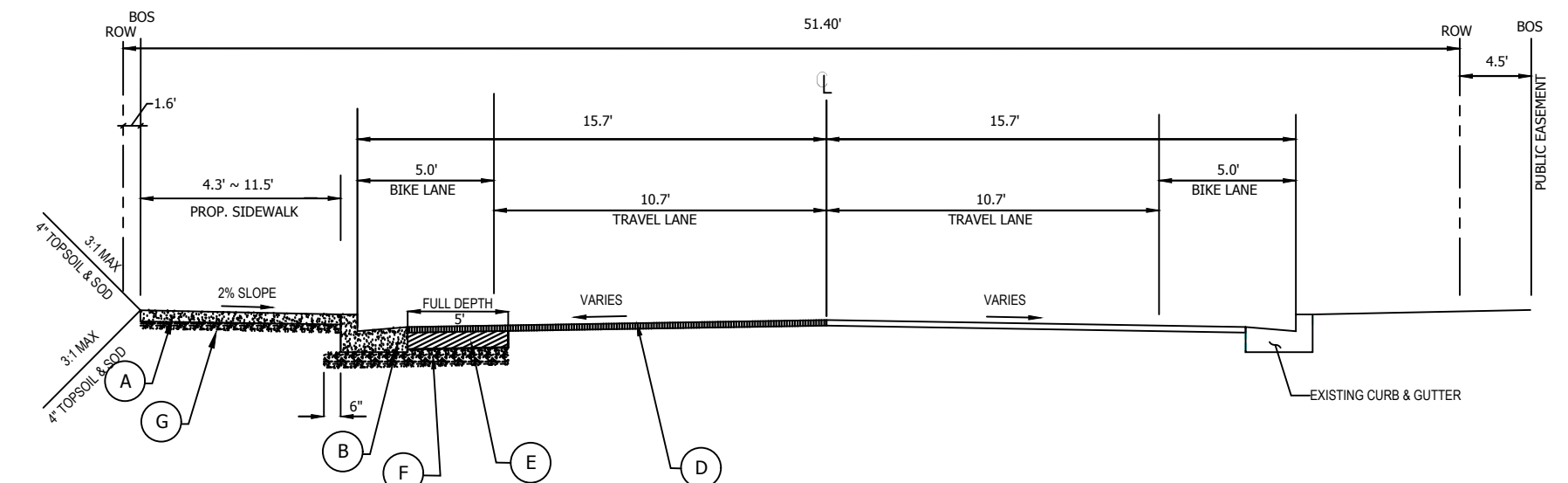
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
TYPICAL SECTIONS_EDISON

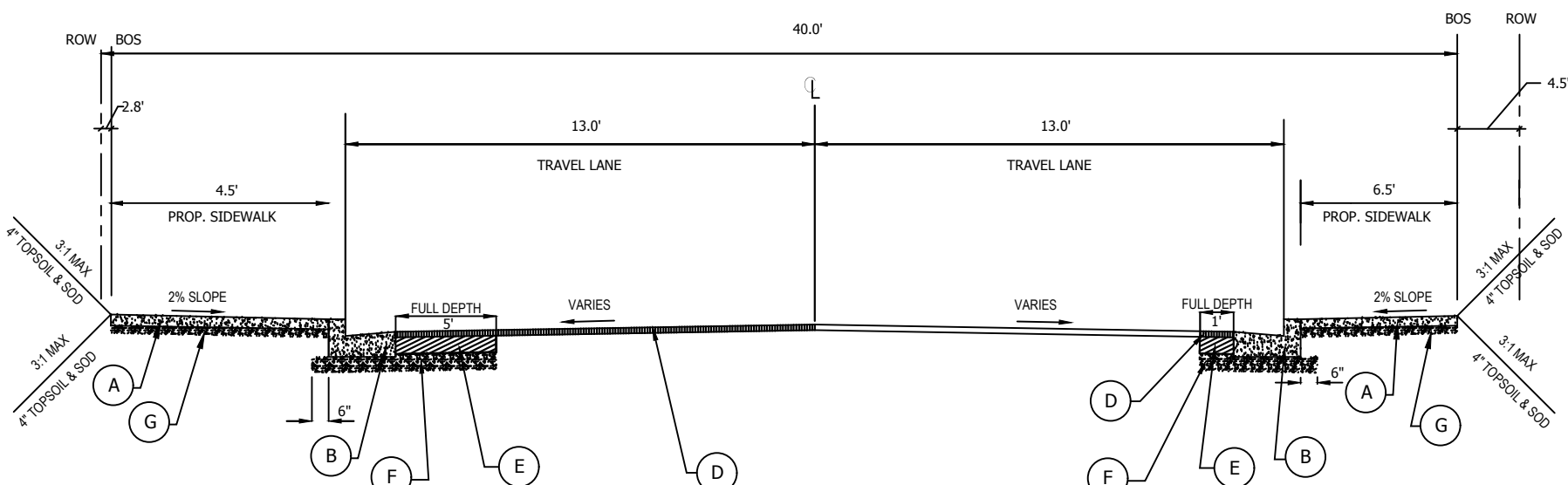
DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE: NTS



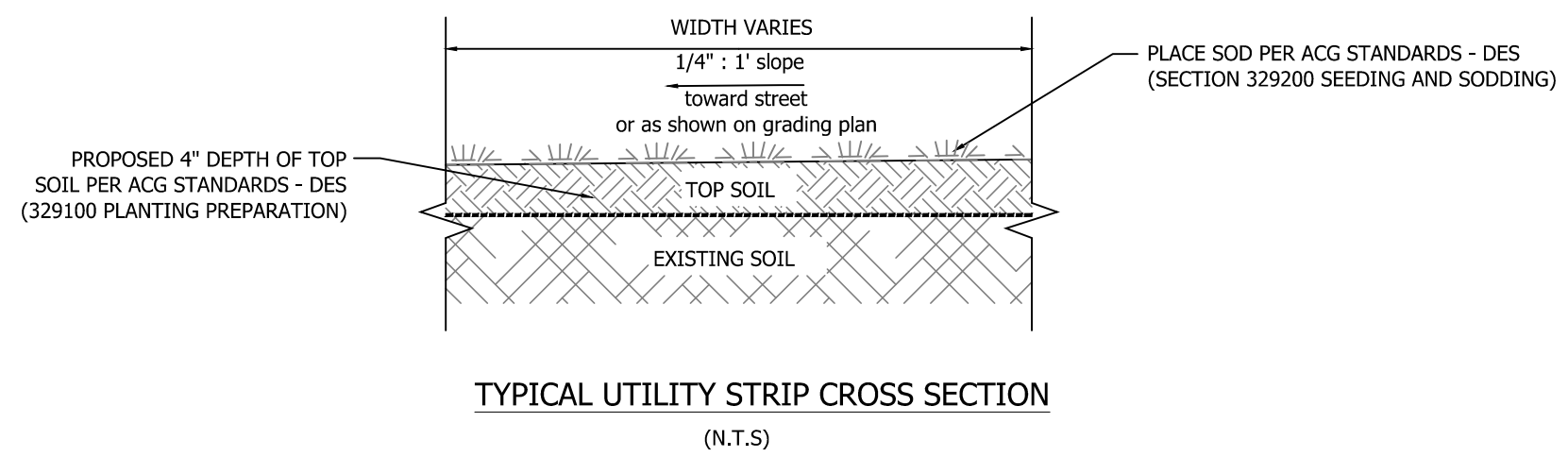
N CARLIN SPRINGS ROAD - NORTH SIDE
BASELINE: SURVEY N CARLIN SPRINGS ROAD CENTERLINE
STA 20+21.29 TO STA 20+99.19
N.T.S.



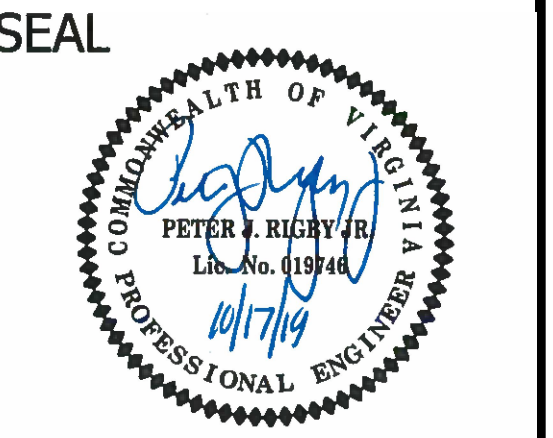
N WAKEFIELD STREET - NORTH SIDE
BASELINE: SURVEY N WAKEFIELD CENTERLINE
STA 0+00.00 TO STA 0+38.37
N.T.S.

LEGEND

- (A) PROP 4" CONC. SOWK. CLASS A3 PER ARL. CO. STD. R-2.0
- (B) PROP CURB AND GUTTER PER ARL. CO. STD. R-2.0 (C-2)
- (C) PROP. 4" TOPSOIL AND SOD PER ACG STANDARDS - DES 329100 & 329200
- (D) PROP. 2" ASPHALT CONCRETE SURFACE COURSE TYPE SM-9.5D PER VDOT SPEC. 211
- (E) PROP. 5" ASPHALT CONCRETE BASE COURSE TYPE BM-25.0A PER VDOT SPEC. 211
- (F) PROP. 6" AGGREGATE BASE MATERIAL, MIN. CBR-30, TYPE 1, SIZE 21-A PER ARL. CO. STD. R-1.4
- (G) PROP. 3" AGGREGATE BASE MATERIAL, MIN. CBR-30, TYPE 1, SIZE 21-A PER ARL. CO. STD R-2.0



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS	DATE
<i>[Signature]</i>	12.10.2019
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/16/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/17/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/19/19
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/19/19
PROJECT MANAGER	

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
TYPICAL SECTIONS_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019
SCALE: NTS

#12288
TOP = 257.28
30" RCP INV. IN = 244.96 (12441)

#12432
TOP = 259.68
15" RCP INV. OUT = 255.80 (12441)

#12441
TOP = 258.76
15" RCP INV. IN = 255.00 (12432) (PLAN)
27" RCP INV. IN = 247.92 (12492)
27" RCP INV. OUT = 247.89 (12288)

#12492
TOP = 254.53
27" RCP INV. IN = 249.83 (12497) (PLAN)
27" RCP INV. OUT = 249.79 (12441)

#12497
TOP = 254.33
24" RCP INV. IN = 250.21 (12504) (PLAN)
27" RCP INV. OUT = 249.96 (12492)

#12504
TOP = 254.68
24" RCP INV. IN = 250.78 (12427)
27" RCP INV. OUT = 250.76 (12497)

#12514
TOP = 253.56
15" RCP INV. OUT = 249.86 (12542)

#12542
TOP = 253.18
15" RCP INV. IN = 248.41 (12514)
15" RCP INV. OUT = 248.01 (12673)

#3939
TOP = 248.14
C/L INV. = 234.09

#3940
TOP = 257.86
C/L INV. = 244.26

#3941
TOP = 255.34
C/L INV. = 245.66

#3949
TOP = 259.44
C/L INV. = 248.33

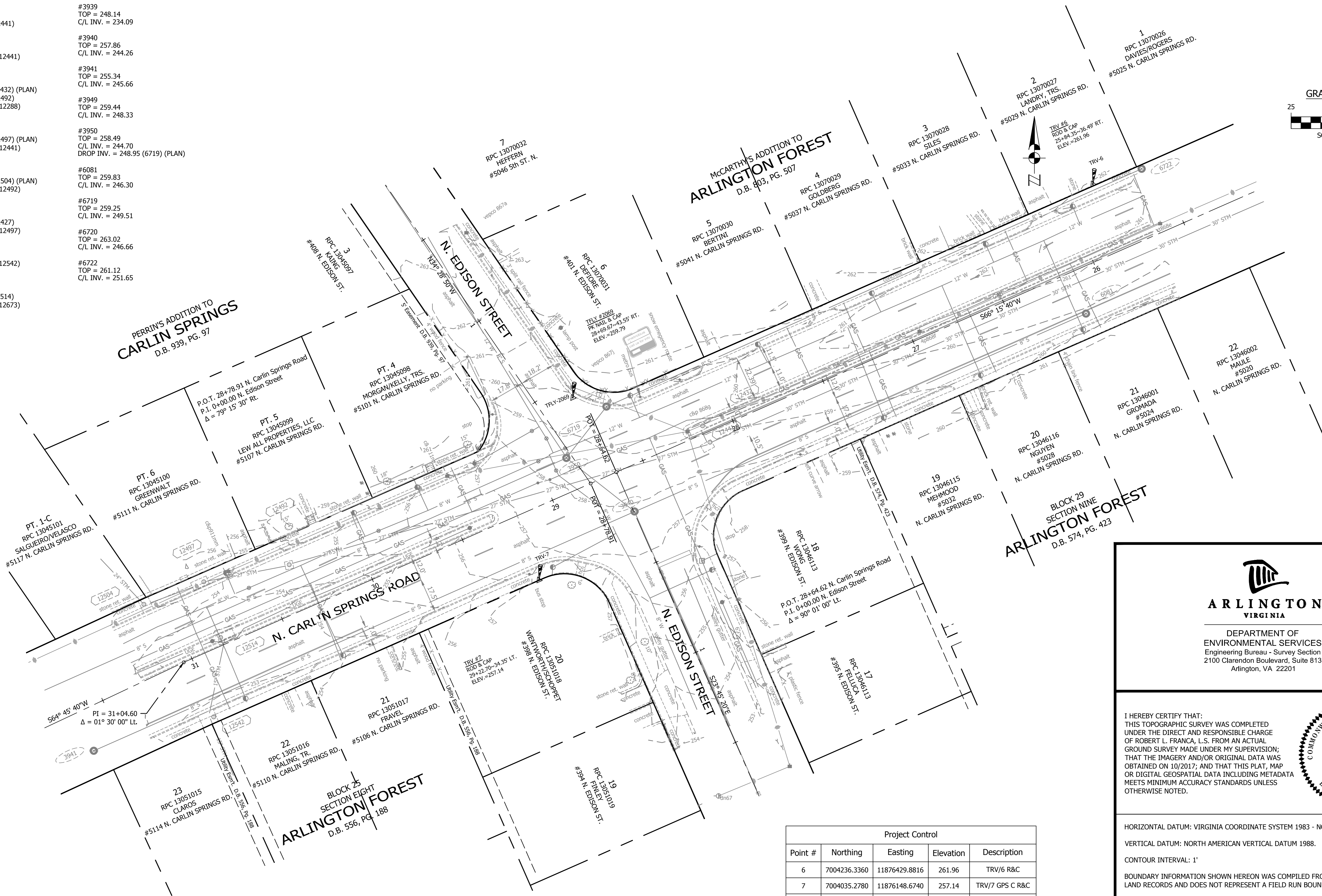
#3950
TOP = 258.49
C/L INV. = 244.70
DROP INV. = 248.95 (6719) (PLAN)

#6081
TOP = 259.83
C/L INV. = 246.30

#6719
TOP = 259.25
C/L INV. = 249.51

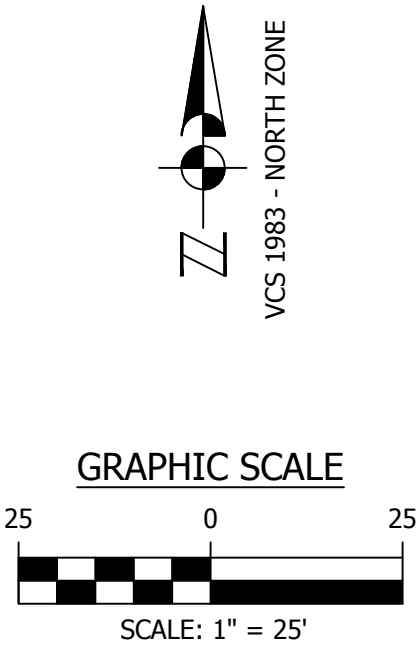
#6720
TOP = 263.02
C/L INV. = 246.66

#6722
TOP = 261.12
C/L INV. = 251.65



Project Control				
Point #	Northing	Easting	Elevation	Description
6	7004236.3360	11876429.8816	261.96	TRV/6 R&C
7	7004035.2780	11876148.6740	257.14	TRV/7 GPS C R&C
8	7003963.4760	11875807.2840	261.66	TRV/8 GPS D R&C
2069	7004127.9381	11876165.8573	259.79	TFLY2069 PK/CAP

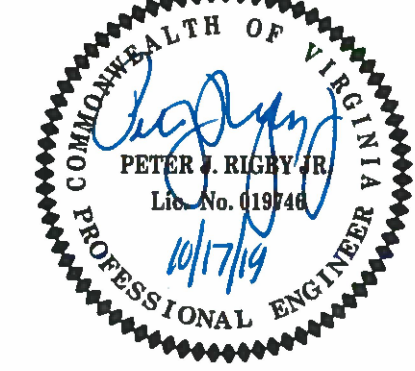
1. UNDERGROUND UTILITIES WERE DESIGNATED BY MID ATLANTIC UTILITY LOCATING ON 10/20/2017 AND LOCATED BY ARLINGTON COUNTY SURVEYORS ON 10/25/2017.
2. DIAMETER OF WATER LINES & SANITARY SEWER ARE SHOWN PER ARLINGTON COUNTY RECORDS.
3. ORIGINAL CONTROL COORDINATES ESTABLISHED BY RICE ASSOCIATES IN MARCH 2011 FOR PROJECT NABS.



**DEPARTMENT OF
ENVIRONMENTAL SERVICES**
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS _____ DATE _____

 12.10.2020
QUALITY CONTROL ENGINEER

CONSTRUCTION MANAGEMENT SUPERVISOR

TRANSPORTATION DIRECTOR *2/2/16*

PROJECT MANAGER

REVISIONS	DATE
-----------	------



DEPARTMENT OF
ENVIRONMENTAL SERVICES
Engineering Bureau - Survey Section
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201

1 HEREBY CERTIFY THAT:
THIS TOPOGRAPHIC SURVEY WAS COMPLETED
UNDER THE DIRECT AND RESPONSIBLE CHARGE
OF ROBERT L. FRANCA, L.S. FROM AN ACTUAL
GROUND SURVEY MADE UNDER MY SUPERVISION;
THAT THE IMAGERY AND/OR ORIGINAL DATA WAS
OBTAINED ON 10/2017; AND THAT THIS PLAT, MAP
OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA
MEETS MINIMUM ACCURACY STANDARDS UNLESS
OTHERWISE NOTED.

HORIZONTAL DATUM: VIRGINIA COORDINATE SYSTEM 1983 - NORTH ZONE

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988.

CONTOUR INTERVAL: 1'

BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING
LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.

PARTY CHIEF: OWENS

PROJECT:

SURVEY PM: FRANCA

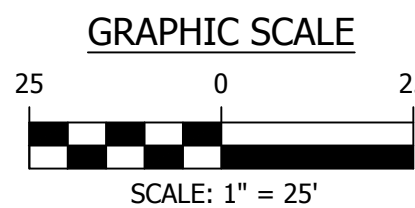
6756/DC14

TOPOGRAPHIC SURVEY
INTERSECTION OF
N. EDISON STREET
AND
N. CARLIN SPRINGS ROAD
ARLINGTON COUNTY, VIRGINIA

N. CARLIN SPRINGS ROAD_{DC14}
AT N EDISON STREET AND AT N WAKEFIELD STREET
EXISTING CONDITIONS PLAN_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-L
PLOTTED: DECEMBER 18 2019

SCALE:



NOTE:

1. UNDERGROUND UTILITIES WERE DESIGNATED BY MID-ATLANTIC UTILITY LOCATING, L.L.C. ON NOVEMBER 1, 2017 AND LOCATED BY ARLINGTON COUNTY SURVEYORS BETWEEN NOVEMBER 20, 2017.
2. DIAMETER OF WATER LINES & SANITARY SEWER PIPES ARE SHOWN FROM ARLINGTON COUNTY RECORDS.

CONTROL DATA:

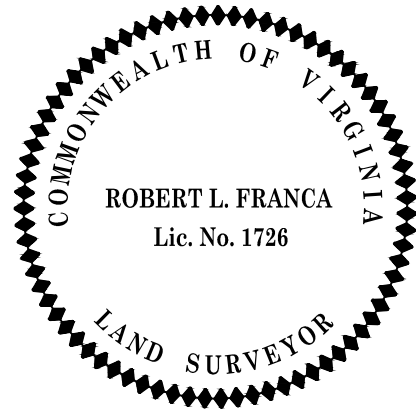
TRAVERSE 30, 32, 34 - 38 WERE TAKEN FROM DEWBERRY CONTROL FILE:
Q:\Data\NABS\Survey\Drawings\5825 COGO.dwg

NABS COORDINATES:			
POINT #	NORTHING	EASTING	ELEV.
301	7004890.4130	11876835.4480	248.91
302	7005288.8923	11876746.6470	240.40
PROJECT COORDINATES:			
POINT #	NORTHING	EASTING	ELEV.
400	7005055.7027	11877261.6443	274.74
1685	7004998.9174	11877270.1431	274.71



DEPARTMENT OF ENVIRONMENTAL SERVICES
Engineering Bureau - Survey Section
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201

I HEREBY CERTIFY THAT:
THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE
OF ROBERT L. FRANCA, L.S. FROM A COMBINATION OF ARLINGTON COUNTY G.I.S. INFORMATION AND AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM 11/2017 TO 05/2018; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.



HORIZONTAL DATUM: VIRGINIA COORDINATE SYSTEM 1983 - NORTH ZONE.
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988.
BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.

PARTY CHIEF: OWENS
SURVEY PM: GOTTSSELIG
PROJECT:
6777/DC14

TOPOGRAPHIC SURVEY
N. CARLIN SPRINGS ROAD &
N. WAKEFIELD STREET

ARLINGTON COUNTY, VIRGINIA

SHEET 1 OF 1

STORM DRAIN INVERTS

#24890
TOP = 268.74
12" RCP INV. OUT = 259.083 (28517)

#28516
TOP = 258.22
15" RCP INV. IN = 253.17 (28517)
15" RCP INV. OUT = 251.74 (11849)

#28517
TOP = 268.22
12" RCP INV. IN = 258.51 (24890)
15" RCP INV. IN = 258.47 (28526)
15" RCP INV. OUT = 258.42 (28516)

#28521
TOP = 275.71
15" RCP INV. OUT = 262.66 (28522)

#28522
TOP = 274.42
15" RCP INV. IN = 261.32 (28524)
15" RCP INV. IN = 269.82 (28525)
15" RCP INV. IN = 261.12 (28521)
15" RCP INV. OUT = 261.12 (28526)

#28523
TOP = 275.49
15" RCP INV. OUT = 270.40 (28524)

#28524
TOP = 274.99
15" RCP INV. IN = 269.09 (28523)
15" RCP INV. OUT = 264.49 (28522)

#28525
TOP = 274.70
15" RCP INV. OUT = 270.311 (28522)

#28526
TOP = 273.45
15" RCP INV. IN = 260.29 (28522)
15" RCP INV. OUT = 260.15 (28517)

SANITARY SEWER INVERTS

#1250
TOP = 276.70
C/L INV. = NO ACCESS

#1251
TOP = 272.13
C/L INV. = 264.13

#1283
TOP = 248.95
C/L INV. = 227.10

#41809
TOP = 274.43
C/L INV. = 264.33

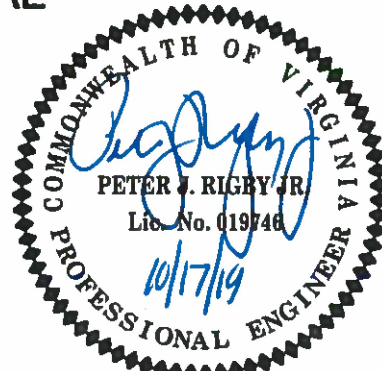
#41810
TOP = 275.67
C/L INV. = 267.50



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12.10.2019
12/10/19
12/10/19
12/10/19

QUALITY CONTROL ENGINEER

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER, STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

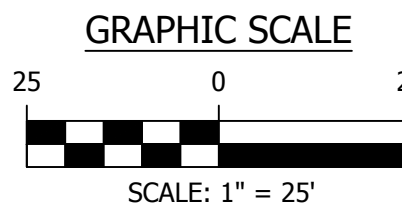
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
EXISTING CONDITIONS PLAN_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

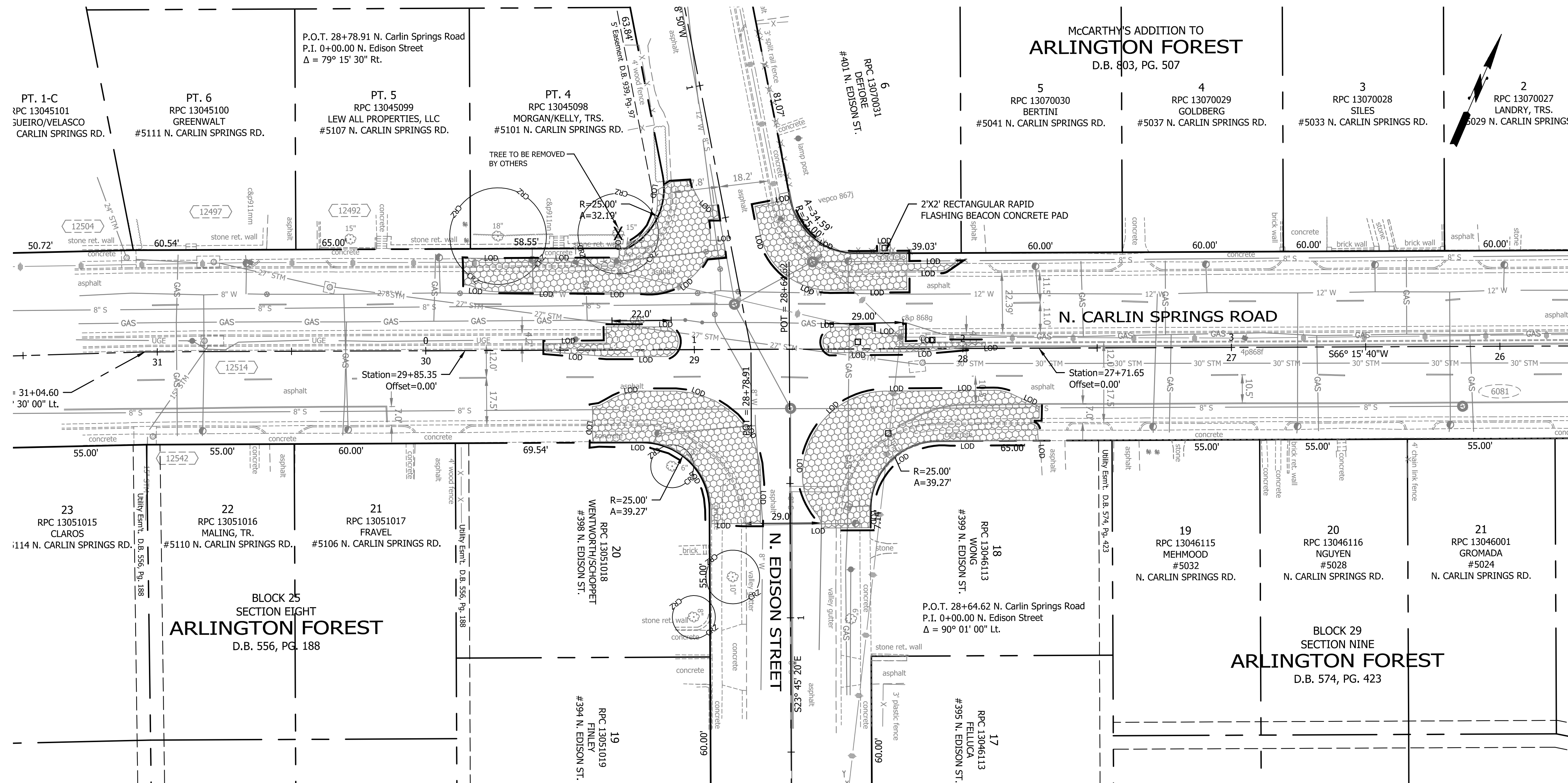
PLOTTED: DECEMBER 18 2019

SCALE:



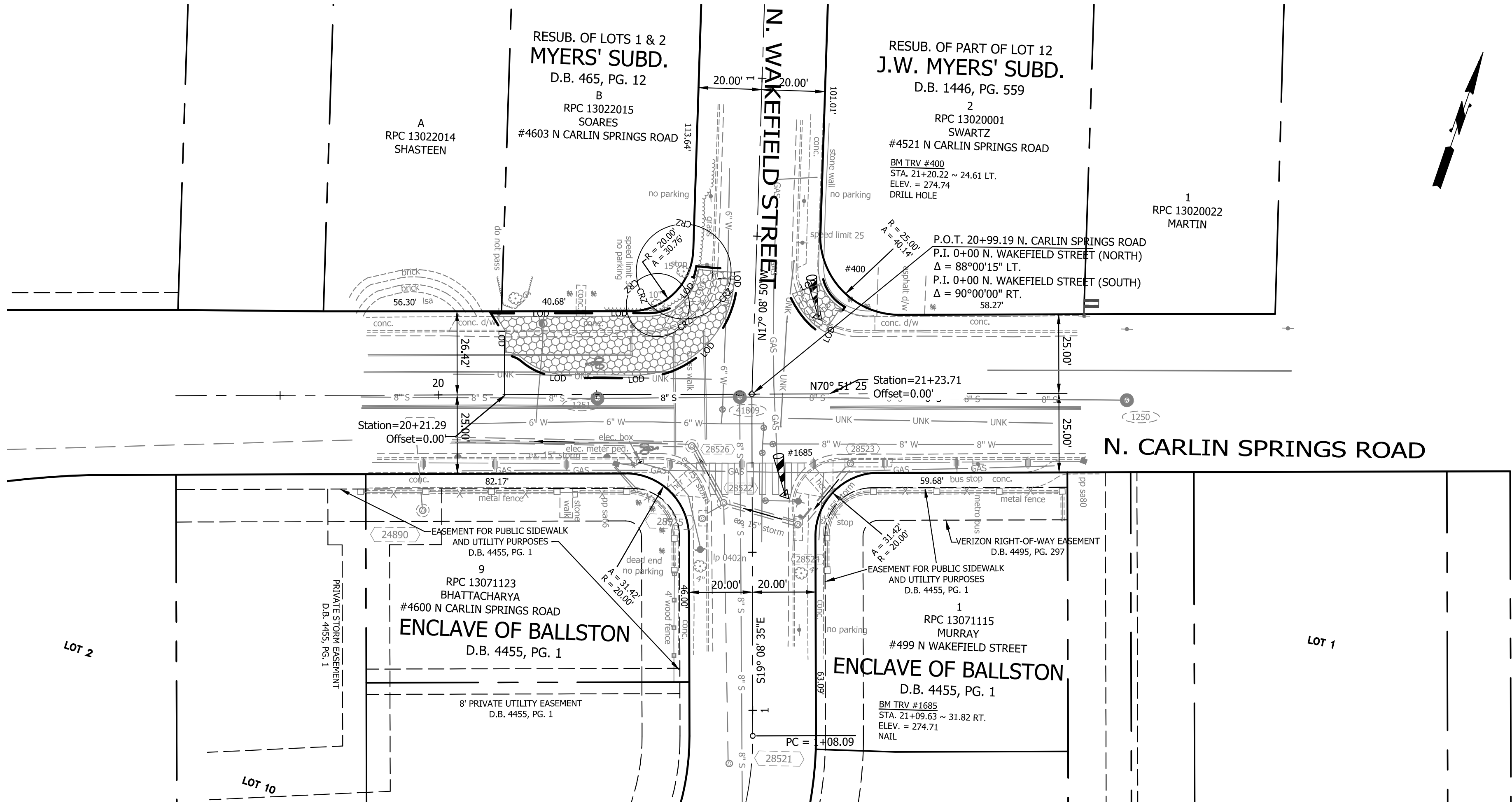
SHEET 7 OF 33

N. CARLIN SPRINGS ROAD



FILENAME: DC14-228-DEMOLITION_PLAN-WAKEFIELD.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90 100 PCT ARCHIVE PLOTTED BY: JROJAS

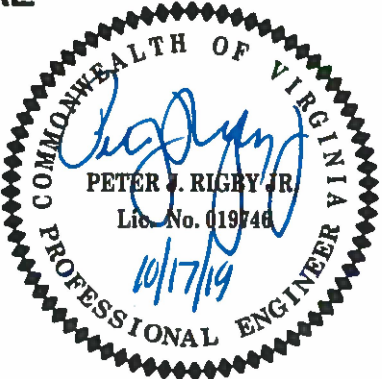
REVISED ON 05/23/2018



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12/10/2019
QUALITY CONTROL ENGINEER

12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR

12/1/19
WATER, SEWER, STREETS BUREAU CHIEF

12/1/19
TRANSPORTATION DIRECTOR

12/10/19
PROJECT MANAGER

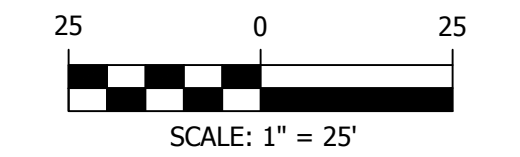
REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
DEMOLITION PLAN_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:

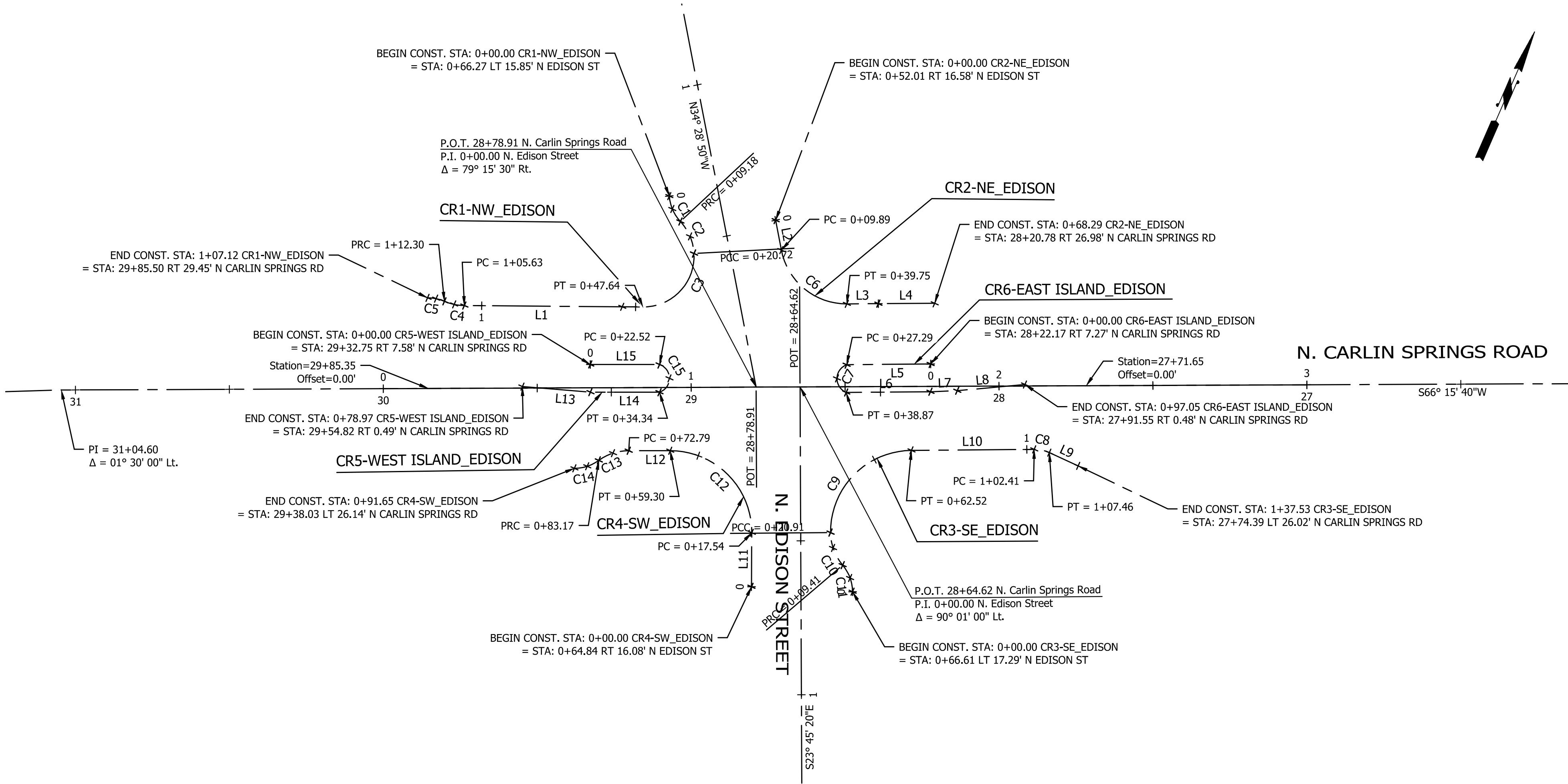


REVISED ON 05/23/2018

FILENAME: DC14-216-GEOMETRIC_CONTROL_PLAN_EDISON.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90_100_PCT_ARCHIVE PLOTTED BY: JROJAS

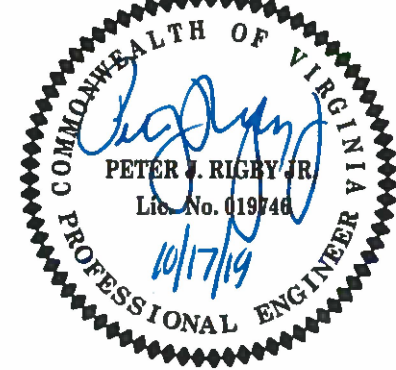
Line Table						
Line #	Start Sta.	End Sta.	Bearing	Distance	Start (Northing, Easting)	End (Northing, Easting)
L1	0+47.64	1+05.63	S 66° 57' 52" W	58.00'	7004093.5520, 11876130.8370	7004070.8580, 11876077.4653
L2	0+00.00	0+09.89	S 34° 18' 21" E	9.89'	7004136.6118, 11876159.1526	7004128.4404, 11876164.7280
L3	0+39.75	0+50.01	N 66° 07' 21" E	10.26'	7004120.8982, 11876191.1907	7004125.0512, 11876200.5723
L4	0+50.01	0+68.29	N 66° 07' 21" E	18.28'	7004125.0512, 11876200.5723	7004132.4501, 11876217.2867
L5	0+00.00	0+27.29	S 66° 01' 55" W	27.29'	7004113.8459, 11876223.9494	7004102.7596, 11876199.0117
L6	0+38.87	0+66.24	N 66° 01' 26" E	27.38'	7004094.4306, 11876202.4700	7004105.5551, 11876227.4842
L7	0+66.24	0+74.95	N 64° 19' 39" E	8.71'	7004105.5551, 11876227.4842	7004109.3283, 11876235.3340
L8	0+74.95	0+97.05	N 61° 14' 49" E	22.10'	7004109.3283, 11876235.3340	7004119.9605, 11876254.7115
L9	1+07.46	1+17.77	S 88° 49' 06" E	10.31'	7004102.8190, 11876270.7773	7004102.6063, 11876281.0885
L10	0+62.52	1+02.41	N 66° 01' 31" E	39.88'	7004085.6235, 11876229.4251	7004101.8293, 11876265.8673
L11	0+00.00	0+17.54	N 23° 10' 37" W	17.54'	7004024.2775, 11876199.4225	7004040.4053, 11876192.5178
L12	0+59.30	0+72.79	S 66° 32' 35" W	13.49'	7004054.2857, 11876157.6080	7004048.9159, 11876145.2328
L13	0+56.78	0+78.97	S 71° 11' 28" W	22.19'	7004061.3927, 11876126.2551	7004054.2396, 11876105.2535
L14	0+34.34	0+56.78	S 66° 32' 35" W	22.44'	7004070.3241, 11876146.8383	7004061.3927, 11876126.2551
L15	0+00.00	0+22.52	N 66° 32' 35" E	22.52'	7004069.6177, 11876122.6005	7004078.5804, 11876143.2558

Curve Table										
Curve #	Start Sta.	End Sta.	Radius	Chord Bearing	Chord Length	Delta (Δ)	Arc Length	Tangent	Start (Northing, Easting)	End (Northing, Easting)
C1	0+00.00	0+09.18	13.50°	S 47° 05' 32" E	9.00'	38° 57' 15"	9.18'	4.77	7004130.0050, 11876124.3476	7004123.8758, 11876130.9416
C2	0+09.18	0+20.72	16.50°	S 46° 32' 15" E	11.30'	40° 03' 49"	11.54'	6.02	7004123.8758, 11876130.9416	7004116.1001, 11876139.1462
C3	0+20.72	0+47.64	16.50°	S 20° 13' 46" W	24.03'	93° 28' 13"	26.92'	17.53	7004116.1001, 11876139.1462	7004093.5520, 11876130.8370
C4	1+05.63	1+12.30	16.50°	S 78° 32' 43" W	6.62'	23° 09' 42"	6.67'	3.38	7004070.8580, 11876077.4653	7004069.5424, 11876070.9725
C5	1+12.30	1+17.93	13.50°	S 78° 11' 20" W	5.58'	23° 52' 29"	5.63'	2.85	7004069.5424, 11876070.9725	7004068.3993, 11876065.5061
C6	0+09.89	0+39.75	21.50°	S 74° 05' 30" E	27.52'	79° 34' 18"	29.86'	17.90	7004128.4404, 11876164.7280	7004120.8982, 11876191.1907
C7	0+27.29	0+38.87	4.85°	S 22° 32' 55" E	9.02'	136° 42' 28"	11.58'	12.22	7004102.7596, 11876199.0117	7004094.4306, 11876202.4700
C8	1+02.41	1+07.46	11.50°	N 78° 36' 13" E	5.01'	25° 09' 23"	5.05'	2.57	7004101.8293, 11876265.8673	7004102.8190, 11876270.7773
C9	0+20.91	0+62.52	26.50°	N 21° 02' 20" E	37.47'	89° 58' 23"	41.61'	26.49	7004050.6533, 11876215.9742	7004085.6235, 11876229.4251
C10	0+09.41	0+20.91	16.50°	N 43° 55' 12" W	11.27'	39° 56' 40"	11.50'	6.00	7004042.5342, 11876223.7928	7004050.6533, 11876215.9742
C11	-0+00.00	0+09.41	13.50°	N 43° 55' 12" W	9.22'	39° 56' 40"	9.41'	4.91	7004035.8914, 11876230.1898	7004042.5342, 11876223.7928
C12	0+17.54	0+59.30	26.50°	N 68° 19' 01" W	37.57'	90° 16' 47"	41.76'	26.63	7004040.4053, 11876192.5178	7004054.2857, 11876157.6080
C13	0+72.79	0+83.17	16.50°	S 48° 30' 44" W	10.21'	36° 03' 43"	10.39'	5.37	7004048.9159, 11876145.2328	7004042.1492, 11876137.5811
C14	0+83.17	0+91.65	13.50°	S 48° 27' 43" W	8.33'	35° 57' 41"	8.47'	4.38	7004042.1492, 11876137.5811	7004036.6222, 11876131.3424
C15	0+22.52	0+34.34	4.75°	S 23° 27' 25" E	9.00'	142° 39' 24"	11.83'	14.06	7004078.5804, 11876143.2558	7004070.3241, 11876146.8383



DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12.10.2019
12/10/19
12/17/19
12/17/19
12/17/19
12/17/19
12/17/19

REVISIONS DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
GEOMETRIC CONTROL PLAN_EDISON

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:



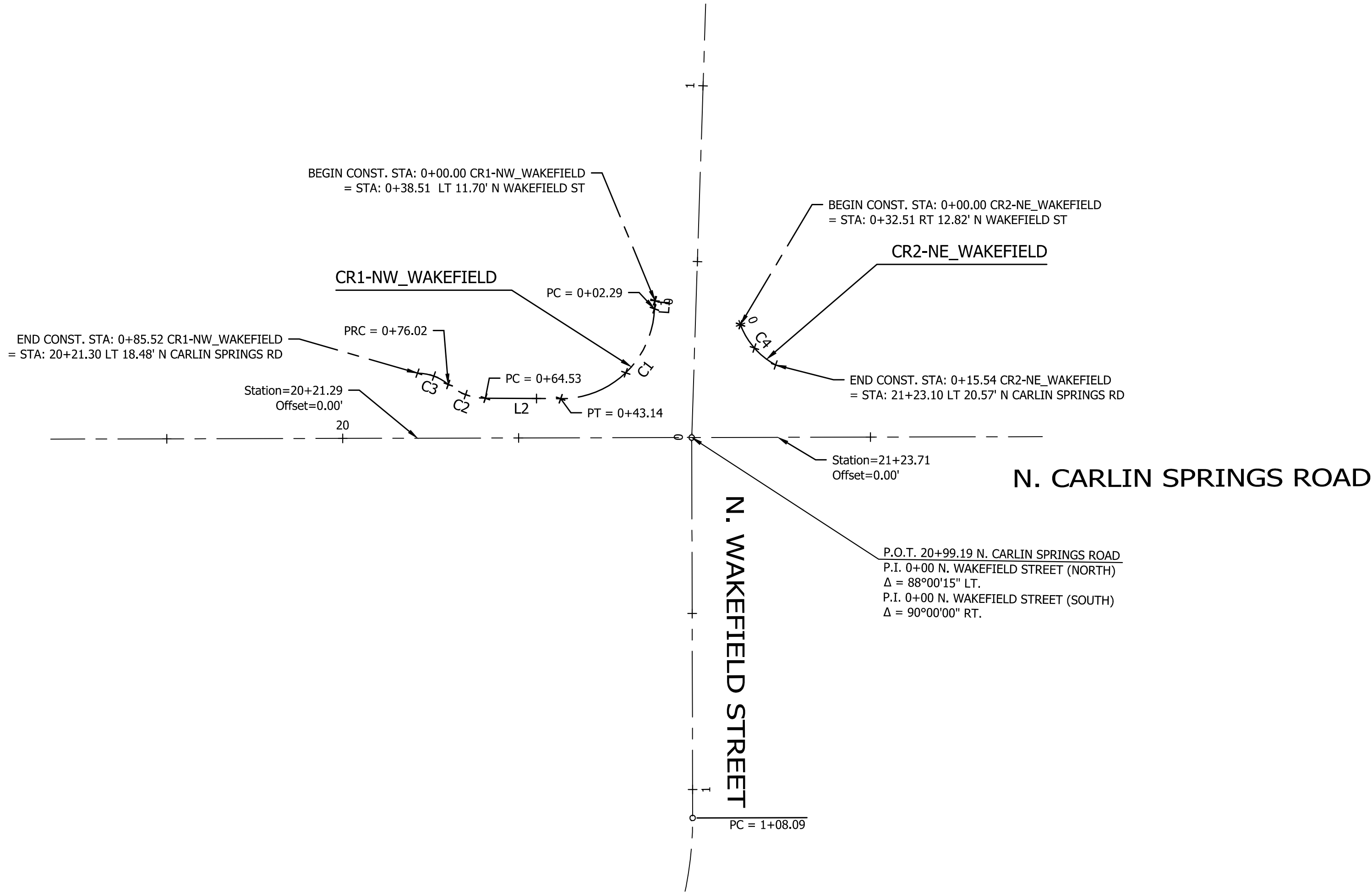
SHEET 10 OF 33

N. CARLIN SPRINGS ROAD


FILENAME: DC14-216-GEOMETRIC_CONTROL_PLAN_WAKEFIELD.DWG PATH: Q:\DATA\DC14\DESIGN\CA090 100 PCT ARCHIVE PLOTTED BY: JROJAS

REVISED ON 05/23/2018

Line Table						
Line #	Start Sta.	End Sta.	Bearing	Distance	Start (Northing, Easting)	End (Northing, Easting)
L1	0+00.00	0+02.29	S 15° 30' 07" E	2.29'	7005058.9057, 11877227.3082	7005056.6949, 11877227.9214
L2	0+43.14	0+64.53	S 71° 22' 07" W	21.39'	7005023.8653, 11877211.0365	7005017.0310, 11877190.7656



Curve Table										
Curve #	Start Sta.	End Sta.	Radius	Chord Bearing	Chord Length	Delta (Δ)	Arc Length	Tangent	Start (Northing, Easting)	End (Northing, Easting)
C1	0+02.29	0+43.14	26.50°	S 27° 13' 03" W	36.92'	88° 18' 08"	40.84'	25.73	7005056.6949, 11877227.9214	7005023.8653, 11877211.0365
C2	0+64.53	0+76.02	16.50°	N 88° 40' 27" W	11.26'	39° 54' 52"	11.49'	5.99	7005017.0310, 11877190.7656	7005017.2917, 11877179.5051
C3	0+76.02	0+85.52	13.50°	N 88° 52' 22" W	9.30'	40° 18' 42"	9.50'	4.96	7005017.2917, 11877179.5051	7005017.4747, 11877170.2034
C4	0+00.00	0+15.54	21.50°	S 60° 08' 00" E	15.20'	41° 24' 37"	15.54'	8.13	7005060.3987, 11877252.5056	7005052.8278, 11877265.6895

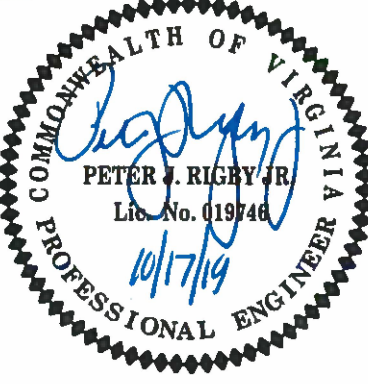




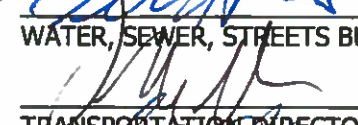


ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS	DATE
	12.10.2019
QUALITY CONTROL ENGINEER	
	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/17/19
WATER, SEWER, STREETS BUREAU CHIEF	
	12/17/19
TRANSPORTATION DIRECTOR	
	12/10/19
PROJECT MANAGER	

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14

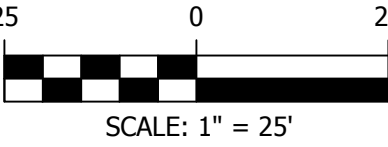
AT N EDISON STREET AND AT N WAKEFIELD STREET

GEOMETRIC CONTROL PLAN_WAKEFIELD

DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D

PLOTTED: DECEMBER 18 2019

SCALE:



SHEET 11 OF 33

N. CARLIN SPRINGS ROAD

FILENAME: DC14-224-EROSION_AND_SEDIMENT_CONTROL_NOTES 1.DWG PATH: Q:\DATA\DC14\DESIGN\CAD\90-100 PCT ARCHIVE PLOTTED BY: JROJAS

REVISED ON 05/23/2018

GENERAL EROSION & SEDIMENT CONTROL NOTES (TABLE 6-1)

1.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE LATEST EDITIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) AND THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE.
2.

THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-SCONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS A FIRST STEP IN CLEARING.
4.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5.

PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
6.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
7.

ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
8.

DURING DENATURING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

GENERAL LAND CONSERVATION NOTES

1.

NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDEO FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
2.

ALL EROSION AND SEDIMENT CONTROL MEASURES APPROVED SHALL BE PLACED AS THE FIRST STEP IN GRADING.
3.

ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500' (150M) SHALL BE OPEN AT ANY TIME.
4.

ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.
5.

ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILE.
6.

DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAINTAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.
7.

ANY DISTURBED AREA NOT COVERED BY NOTE 1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON BY NOV. 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED NO LATER THAN MAY 15.
8.

AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDEO AREAS SHALL BE STABILIZED. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES.

UTILITY INSTALLATION

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

1.

NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
2.

EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
3.

EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
4.

MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
5.

RESTALLIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
6.

APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

URBAN FORESTER NOTIFICATION :

CONTRACTOR TO CONTACT THE ARLINGTON FORESTER TO SCHEDULE A PRECONSTRUCTION INSPECTION OF TREE PROTECTION MEASURES BEFORE ANY WORK NEAR THE CRITICAL ROOT ZONES OF TREES TO SCHEDULE THE PRECONSTRUCTION MEETING, CALL 703-228-1863

N. EDISON STREET

PERVIOUS AND IMPERVIOUS AREA TABLE		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
LIMITS OF DISTURBED	7,324 SF/0.168 AC	7,324 SF/0.168 AC
PERVIOUS AREA	601 SF/0.013 AC	985 SF/0.022 AC
IMPERVIOUS AREA	6,724 SF/0.154 AC	6,340 SF/0.145 AC
DECREASED IMPERVIOUS AREA	384 SF/0.008 AC	

N. WAKEFIELD STREET

PERVIOUS AND IMPERVIOUS AREA TABLE		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
LIMITS OF DISTURBED	1,417 SF/0.032 AC	1,417 SF/0.032 AC
PERVIOUS AREA	0 SF/0.000 AC	0 SF/0.000 AC
IMPERVIOUS AREA	1,417 SF/0.032 AC	1,417 SF/0.032 AC
DECREASED IMPERVIOUS AREA	0 SF/0.000 AC	

COMBINED TABLE

PERVIOUS AND IMPERVIOUS AREA TABLE		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
LIMITS OF DISTURBED	8,742 SF/0.200 AC	8,742 SF/0.200 AC
PERVIOUS AREA	601 SF/0.014 AC	985 SF/0.022 AC
IMPERVIOUS AREA	8,141 SF/0.186 AC	7,757 SF/0.178 AC
DECREASED IMPERVIOUS AREA	384 SF/0.008 AC	

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

THE NORTH CARLIN SPRINGS ROAD INTERSECTION IMPROVEMENT PROJECTS AT NORTH EDISON STREET AND NORTH WAKEFIELD STREET CONSIST OF CURB & GUTTER, MEDIANS AND SIDEWALKS. THE LIMITS OF CONSTRUCTION ARE WITHIN THE EXISTING ARLINGTON COUNTY R-O-W EXCEPT ON SOME LOCATIONS WHEREIN THE COUNTY HAS OBTAINED THE NECESSARY EASEMENTS FROM THE PROPERTY OWNERS. THE LIMITS OF WORK COMBINED IS APPROXIMATELY 15,156 SF (0.347 AC). THERE ARE NO PRESENT FLOODPLAIN OR RESOURCE PROTECTION AREAS ON THE PROJECT SITE.

EXISTING SITE CONDITIONS

THE SITE IS LOCATED WITHIN THE LUBBER RUN WATERSHED. THE TOPOGRAPHY HAS SLOPES RANGING FROM 3% TO 8%. THERE ARE EXISTING DRAINAGE STRUCTURES SERVING THIS SITE IN THE FORM OF CURB INLETS. THE CURRENT LAND COVER IS PRIMARILY IMPERVIOUS. THE SITE HAVE A HYDROLOGIC SOIL GROUP OF TYPE B/C AND THE SOIL TYPE IS " URBAN LAND - SASSAFRAS - NEABSCO".

ADJACENT PROPERTIES

ADJACENT PROPERTIES AROUND THE PROJECT AREA ARE SINGLE FAMILY DETACHED HOUSES.

OFF-SITE AREAS:

THE EXTENT OF OFFSITE CONSTRUCTION IS LIMITED TO CONNECTING TO THE EXISTING PUBLIC AND PRIVATE STREETS, DRIVEWAYS, AND SIDEWALKS ADJACENT TO AFFECTED PARCELS, AND CONNECTING TO EXISTING UTILITIES.

CRITICAL AREAS

THERE ARE NO STEEP SLOPES OR CRITICAL AREA LOCATED IN THE AREAS TO BE DISTURBED.

EROSION AND SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE. THE MINIMUM STANDARDS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

STRUCTURAL PRACTICES (IF REQUIRED OR AS SHOWN ON THE E&S PLAN)

1.

SILT FENCE - 3.05 (AND SUPER SILT FENCE)

SILT FENCE WILL BE INSTALLED IN PHASE I & II OF E&S PLAN TO FILTER RUNOFF FROM DISTURBED AREAS. RUNOFF SHALL NOT BE DIRECTED PARALLEL TO THE INSTALLATION OF SILT FENCE.
2.

STORM DRAIN INLET PROTECTION - 3.07, CULVERT INLET PROTECTION - 3.08, OUTLET PROTECTION - 3.18

ALL EXISTING & PROPOSED STORM SEWER INLETS AND OUTLETS IN AND AROUND THE PROJECT LIMITS SHALL BE PROTECTED DURING CONSTRUCTION, SEDIMENT-LADEN WATER SHALL BE FILTERED BEFORE ENTERING THE STORM SEWER INLETS, OR STORM SEWER CHANNELS.
3.

DEWATERING STRUCTURE - 3.26

SEDIMENT LADEN OR TURBID WATER SHALL BE FILTERED, SETTLED OR SIMILARLY TREATED PRIOR TO DISCHARGE.

VEGETATIVE PRACTICES (IF REQUIRED OR AS SHOWN ON THE E&S PLAN)

1.

TOPSOILING (STOCKPILE) - 3.30

TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS MAY HAVE TO BE LOCATED OFF-SITE AND ARE TO BE STABILIZED WITH TEMPORARY VEGETATION. PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY E&S PLAN, IF THE STOCKPILE IS LOCATED OFF-SITE, TO THE OWNER COVERING THE OFF-SITE STOCKPILE AREA. THIS SUPPLEMENTAL PLAN SHALL BE APPROVED BY THE PLAN-APPROVING AUTHORITY BEFORE ANY OFF-SITE ACTIVITY COMMENCES.
2.

TEMPORARY SEEDING - 3.31:

ALL DENUDEO AREAS, WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
3.

DUST CONTROL - 3.39

DUST SHALL BE CONTROLLED USING A VARIETY OF METHODS SUCH AS VEGETATIVE COVER, MULCH, TILLAGE, IRRIGATION, SPRAY-ON ADHESIVES, STONE BARRIERS, AND CALCIUM CHLORIDE.

THE EROSION AND SEDIMENT CONTROL INSPECTOR SHALL HAVE THE AUTHORITY TO ADD OR DELETE EROSION AND SEDIMENT CONTROLS AS NEEDED IN THE FIELD, AS SITE CONDITIONS WARRANT, IN ADDITION NO SEDIMENT TRAPS OR BASINS MAY BE REMOVED WITHOUT PRIOR APPROVAL OF THE INSPECTOR.

PERMANENT STABILIZATION

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH GRASS, MULCH OR SOD.

STORMWATER RUNOFF CONSIDERATIONS

RUNOFF SHALL BE TREATED WITH SILT FENCE AND INLET PROTECTION PRIOR TO ENTERING MAJOR STORM SEWER SYSTEMS. PROPOSED STORM SEWER NETWORK HAVE BEEN DESIGNED TO ADEQUATELY CONVEY STORM WATER.

LANDSCAPE / TREE PRESERVATION NOTES

PRIOR TO ANY LAND DISTURBING ACTIVITY THE CONTRACTOR SHALL CONTACT THE ARLINGTON COUNTY ARBORIST TO SCHEDULE AN INSPECTION.

EROSION & SEDIMENT CONTROL PROGRAM

1.

THE EROSION CONTROL PLAN IS INTENDED TO ESTABLISH ENTRANCES AND PERIMETER CONTROL MEASURES WHICH INCLUDES SILT FENCE (SF), INLET PROTECTION (IP), AND OTHER CONTROLS SPECIFIED ON THE PLANS.
2.

THE SEDIMENT MEASURES ARE INTENDED TO PROVIDE CONTROL DURING THE FINAL STAGES OF IMPROVEMENTS. IT IS ANTICIPATED THAT PHASE-ONE CONTROLS WILL REMAIN IN PLACE UNTIL THEIR REMOVAL IS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS.
3.

NO DISTURBED AREA WILL REMAIN DENUDEO FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY ARLINGTON COUNTY.
4.

WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL SHALL BE PLACED IN STREAMBEDS. ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE LONGER THAN 14 DAYS SHALL BE SEEDED AND MULCHED. WHEN SPOIL IS PLACED ON THE DOWNHILL SIDE OF TRENCH, IT SHALL BE BACKSLOPED TO DRAIN TOWARD THE TRENCH. WHEN NECESSARY TO DEWATER THE TRENCH, THE PUMP DISCHARGE HOSE SHALL OUTLET IN A STABILIZED AREA OR A SEDIMENT TRAPPING DEVICE.
5.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
6.

ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILES.
7.

DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION
8.

ALL PRACTICES AND CONTROL DEVICES DESCRIBED HEREON, SHALL CONFORM TO THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH). IN ADDITION, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO MINIMIZE THE VOLUME OF SILT:

A.

CONTRACTOR SHALL EVALUATE THE SITE TO DETERMINE EXTENSIVE CUT AND FILL AREAS, AND SHALL WORK THOSE AREAS TO MINIMIZE THE EXTENT OF HEAVY EQUIPMENT WORK. CONTRACTOR SHALL STRIVE TO BRING AREAS TO GRADE (ROUGH OR FINISH) AND TO STABILIZE, BY TEMPORARY OR PERMANENT VEGETATION, THESE DISTURBED AREAS PRIOR TO BEGINNING WORK IN ANOTHER AREA.

B.

FILL AREAS SHALL BE COMPACTED COMPLETELY PRIOR TO THE END OF EACH WORK DAY. FILL SLOPE SURFACES SHALL BE LEFT ROUGHENED TO REDUCE SHEET EROSION OF THE SLOPES. CONTRACTOR SHALL RE-DIRECT CONCENTRATED RUNOFF, BY EARTH BERMS OR OTHER DEVICES, AROUND ACTIVELY DISTURBED AREAS TO STABILIZED OUTLETS.

C.

CUT SLOPE, AS NECESSARY, SHALL BE PROTECTED FROM CONCENTRATED FLOW BY BERMS ABOVE THE SLOPE AND DIRECTED AROUND THE DISTURBED AREA TO STABILIZED OUTLETS.

D.

IN NEW PAVEMENT AREAS, PLACE THE AGGREGATE BASE STONE ON THE FINISH SUBGRADE AT THE EARLIEST POSSIBLE TIME.
- NOTES:
- 1)

SITE AREA INCLUDES ALL AREA WITHIN LIMITS OF DISTURBANCE (LOD) AND LIMITS OF WORK (LOW).

2)

IMPERVIOUS AND PERVIOUS AREA CALCULATED WITHIN DISTURBED AREA.
- FOR ALL DETAILS AND SPECIFICATIONS, SEE THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK, UNLESS OTHERWISE NOTED.
- MAINTENANCE PROGRAM:
- THE FOLLOWING IS A PROGRAM OF MAINTENANCE FOR THE MECHANICAL CONTROLS SPECIFIED IN THIS NARRATIVE AND ON THE PLAN:
1.

THE SITE SUPERINTENDENT OR HIS/HER REPRESENTATIVE SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREA (I.E. SEEDED AND MULCHED AND/OR SODDED AREAS) ON A DAILY BASIS; ESPECIALLY AFTER A HEAVY RAINFALL EVENT TO INSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY DAMAGED CONTROLS SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEDING AND MULCHING OR RE-SODDING IF NECESSARY.

2.

ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEARED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR IF NOT SUITABLE FOR FILL, HAULING AWAY AND DEPOSITING AT AN ACCEPTABLE DUMP SITE.

3.

THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PREVENT MUD AND/OR OTHER DEBRIS FROM BEING ENTERED ONTO EXISTING SWM/BMP FACILITIES OR DOWN STREAM WATER WAYS. SHOULD OFF SITE AREAS BECOME POLLUTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE EFFECTED AREAS TO THE SATISFACTION OF THE INSPECTOR.

4.

AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ANY REMAINING DENUDEO AREAS SHALL BE STABILIZED. CERTAIN DEVICES MAY BE REMOVED PRIOR TO CONSTRUCTION COMPLETION BUT ONLY WITH THE APPROVAL OF THE COUNTY INSPECTOR.

5.

AFTER CONSTRUCTION OPERATIONS HAVE ENDED, ALL DISTURBED AREAS SHALL BE STABILIZED. UPON APPROVAL OF THE COUNTY INSPECTOR, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION WITHIN 30 DAYS
- EROSION & SEDIMENT CONTROL PROJECT PHASING
- PHASE I:
1.

PRE-CONSTRUCTION MEETING WITH THE ARLINGTON COUNTY PROJECT OFFICER, AND CONTRACTOR.

2.

INSTALL PERIMETER TREE DEMARCATION FENCING IN THE FORM OF TREE PROTECTION FENCE AS SHOWN ON E&S PHASE I PLAN.

3.

PERFORM INITIAL PERIMETER CLEARING TO INSTALL REMAINDER OF PERIMETER CONTROLS SUCH AS SILT FENCE, TREE PROTECTION AND INLET PROTECTION AS PER THE PHASE I PLAN.

4.

SEED AND MULCH ALL EARTHEN CONTROLS.

5.

CONTACT ARLINGTON COUNTY PROJECT OFFICER FOR A PERIMETER INSPECTION PRIOR TO CLEARING THE REMAINDER OF THE SITE.

6.

CLEAR THE SITE TO THE LIMITS AS SHOWN ON THE CONSTRUCTION PLANS.
- PHASE II:
1.

BEGIN UTILITY CONSTRUCTION, INSTALL THE STORM DRAINAGE SYSTEM AND BEGIN SITE GRADING.

2.

COMMENCE CONSTRUCTION OF CURB & GUTTER, STREET, SIDEWALKS, AND OTHER IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION PLAN.

3.

INLET PROTECTION SHALL BE PROVIDED AT NEW STORM DRAIN STRUCTURES AS THEY ARE CONSTRUCTED.

4.

THE CONTROL MEASURES MAY NOT BE REMOVED UNTIL ALL OF THE DISTURBED AREAS HAVE BEEN STABILIZED AND ONLY AS APPROVED AND DIRECTED BY THE INSPECTOR.
- EROSION AND SEDIMENT CONTROL LEGEND
- | | | | |
|--------------|----------------------------------|----|--|
| 3.07 | STORM DRAIN INLET PROTECTION | IP | |
| 3.05 | SILT FENCE | SF | |
| 3.26 (VESCH) | DEWATERING * STRUCTURES | DS | |
| | TREE PRESERVATION AND PROTECTION | TP | |
| | LIMIT OF DISTURBANCE | | |
| | LIMIT OF WORK | | |
| | TREE TO BE REMOVED | | |
- * NOTE: PROTECT TREES DURING CONSTRUCTION OF PROPOSED WORK AS SHOWN. CALL URBAN FORESTER (702-228-1863) PRIOR TO BEGINNING WORK ADJACENT TO TREE. PROCEED WITH WORK AS DIRECTED BY THE ENGINEER IF ANY CONFLICT ARISES WITH PROPOSED WORK.

* LOCATION OF DEWATERING STRUCTURE(S) NOT SHOWN; TO BE DETERMINED ONSITE AND AT THE APPROVAL OF THE COUNTY PROJECT OFFICER.
- ADDITIONAL NOTES:
1.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE COUNTY PROJECT OFFICER.

2.

THE CONTRACTOR TO ENSURE ROADWAYS AND SIDEWALKS REMAIN CLEAR OF MUD, GRAVEL, AND DEBRIS AT ALL TIMES.
-
- DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
- COPYRIGHT © 2018 ARLINGTON COUNTY
VIRGINIA - ALL RIGHTS RESERVED
- SEAL
-
- APPROVALS DATE
- | | |
|------------------------------------|------------|
| | 12.10.2019 |
| QUALITY CONTROL ENGINEER | |
| | 12/10/19 |
| CONSTRUCTION MANAGEMENT SUPERVISOR | |
| | 12/11/19 |
| WATER, SEWER, STREETS BUREAU CHIEF | |
| | 12/11/19 |
| TRANSPORTATION DIRECTOR | |
| | 12/10/19 |
| PROJECT MANAGER | |
- REVISIONS DATE
- | | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
- N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
EROSION AND SEDIMENT CONTROL
NOTES 1
- DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019
- SCALE:NTS
- SHEET 12 OF 33
- N. CARLIN SPRINGS ROAD

05/13/2019

date

Qianqian Li, P.E.
ESC Program Administrator
Department of Environmental Services
2100 Clarendon Boulevard, Suite 813
Arlington, Virginia 22201

Re: Erosion and Sediment Control Permit Application for:
Intersections of N. Carlin Springs Road & N. Edison St.—N. Wakefield St.
street address

lot, block, section subdivision

permit number

Dear Mrs. Li:
I hereby certify that I accept the responsibilities of Responsible Land Disturber for the above referenced project. I understand that these responsibilities include:
1. Reviewing the erosion and sedimentation (E&S) plan for the project.
2. Walking the site prior to construction to identify critical areas.
3. Conducting a pre-construction briefing with earth moving and site contractors to present the E&S plan and highlight the presence of critical areas, the limits of clearing and the required E&S controls and tree protection measures to be installed. Call 703-228-0760 to schedule pre-construction meeting.
4. Regularly inspecting the site during construction to ensure that all E&S controls are functioning and are adequate to address erosion and sedimentation. Inspect the site 48 hours after a runoff-generating storm and provide a copy of the inspection findings to the county.
5. Reporting to the owner the presence inadequate or nonfunctioning E&S controls when they are observed.
6. Ensuring that temporary soil stabilization is applied within 7 days to areas denuded that will remain undisturbed for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.
7. Calling (703) 228-0760 at least 80 hours before demolishing any structure.
I may be reached at (703) 228-3604 with questions about this plan or my execution of the duties of
Responsible Land Disturber.
Sincerely,

signed
Pete Rigby
name printed
VA PE 19746
professional registration (type and number)

(FOR PLANS APPROVAL ONLY)

Pre-Storm Erosion and Sediment Control Checklist

Per Erosion and Sediment Control General Note 6, the Contractor is responsible for the installation and maintenance of any additional erosion and sediment control (ESC) measures necessary to prevent erosion and sedimentation as determined by the County. These supplementary practices are in addition to those shown in an ESC plan. ESC practices shall be modified as needed to ensure only clear water is discharged from the site.
The following actions shall be taken prior to storm events with predicted heavy and/or large volume rainfall to prevent sediment discharges from a construction site. A typical summer thunderstorm is an example of a storm event with predicted heavy and/or large volume rainfall.
Perimeter controls

☐ Silt fence shall be checked for undermining, holes, or deterioration of the fabric. Fencing shall be replaced immediately if the fabric is damaged or worn. Silt fence must be trenched into the ground per state specifications (Std & Spec 3.09).

☐ Wooden stakes or steel posts shall be properly secured upright into the ground. Damaged posts or stakes must be replaced.

☐ Sediment that has accumulated against the silt fence should be removed. Accumulated sediment must be removed when the level reaches one-half the height of the fencing.

☐ Hay bales or a stone berm should be placed across the construction entrance to prevent sediment from leaving the construction site.

Exposed slopes and soil

☐ Exposed slopes not at the final stabilization phase shall be covered with tarps, plastic sheeting, or erosion control matting. Covering material shall be properly secured/anchored.

☐ Controls shall be installed to prevent concentrated flow down an exposed slope. Berms or diversion dikes shall be installed at the top of cut / exposed slopes to direct storm flow around the disturbed area.

☐ Exposed slopes at the final stabilization phase shall be stabilized using slope stabilization practices such as soil stabilization blankets or matting as specified in the Virginia Erosion and Sediment Control Handbook (VESCH) Std & Spec 3.36. Blankets or mats must be properly secured and anchored to the slope using staples, pins, or stakes.

☐ Seeded areas shall be checked and reseeded as necessary to cover exposed soil. Recently seeded areas shall be protected by straw or soil stabilization blankets to prevent seeding from being washed away.

Stockpiles

☐ Stockpiled soil and other loose materials that can be washed away shall be covered with a tarp, plastic sheeting, or other stabilization matting. The cover must be properly secured / anchored down to prevent it from being blown off and exposing materials to rain. Controls such as hay bales or booms should be placed along the perimeter of the stock pile (downhill side).

Inlet protection

☐ Inlet protection controls shall be inspected to ensure they are functioning properly and flooding will not occur. Clogged or damaged controls must be replaced immediately. Ensure controls allow for overflow / bypass of stormwater runoff during significant storm events.
In addition to these pre-storm actions, all erosion and sediment control (ESC) measures must be checked daily and after each significant rainfall.

TABLE 3.31-B (Revised June 2003) TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS		
SEED		
APPLICATION DATES	SPECIES	APPLICATION RATES
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 -100 (lbs/acre)
Feb. 16 - Apr. 30	Annual Ryegrass (lolium multi-florum)	60 - 100 (lbs/acre)
May 1 - Aug. 31	German Millet	50 (lbs/acre)
FERTILIZER & LIME		
<div><div><div><div></div><div>Apply 10-10-10 fertilizer at a rate of 450 lbs. / acre (or 10 lbs. / 1,000 sq. ft.)</div></div><div><div></div><div>Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)</div></div></div><div>NOTE: 1 - A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site. 2 - Incorporate the lime and fertilizer into the top 4 – 6 inches of the soil by diskng or by other means. 3 - When applying Slowly Available Nitrogen, use rates available in <u>Erosion & Sediment Control Technical Bulletin # 4, 2003 Nutrient Management for Development Sites</u> at http://www.dcr.state.va.us/sw/e&s.htm#pubs</div></div>		

TABLE 3.32-E (Revised June 2003) PERMANENT SEEDING SPECIFICATIONS FOR COASTAL PLAIN AREA		
SEED ¹		
LAND USE	SPECIES	APPLICATION RATES
Minimum Care Lawn. (Commercial or Residential)	Tall Fescue ¹ or Bermudagrass ¹	175 - 200 lbs. 75 lbs.
	Tall Fescue ¹ or Bermudagrass ¹ (seed) or Bermudagrass ¹ (by other vegetative establishment method, see Std. & Spec. 3.34)	200-250 lbs. 40 lbs. (unhulled) 30 lbs. (hulled)
High-Maintenance Lawn		
General Slope (3:1 or less)	Tall Fescue ¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop ²	128 lbs. 2 lbs. 20 lbs. TOTAL: 150 lbs.
Low-Maintenance Slope. (Steeper than 3:1)	Tall Fescue ¹ Bermudagrass ¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop ² Sericea Lespedeza ³	93-108 lbs. 0-15 lbs. 2 lbs. 20 lbs. 20 lbs. TOTAL: 150 lbs.
<div>1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrass variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html</div> <div>2 - Use seasonal nurse crop in accordance with seeding dates as stated below: <div><div>February, March - April Annual Rye</div><div>May 1st - August Foxtail Millet</div><div>September, October - November 15th Annual Rye</div><div>November 16th - January Winter Rye</div></div></div> <div>3 - May through October, use hulled seed. All other seeding periods, use unhulled seed. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase to 30 -40 lbs/acre.</div>		
FERTILIZER & LIME		
<div><div><div><div></div><div>Apply 10-20-10 fertilizer at a rate of 500 lbs. / acre (or 12 lbs. / 1,000 sq. ft.)</div></div><div><div></div><div>Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)</div></div></div><div>NOTE: - A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site. - Incorporate the lime and fertilizer into the top 4 – 6 inches of the soil by diskng or by other means. - When applying Slowly Available Nitrogen, use rates available in <u>Erosion & Sediment Control Technical Bulletin # 4, 2003 Nutrient Management for Development Sites</u> at http://www.dcr.state.va.us/sw/e&s.htm#pubs</div></div>		

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606
COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

APPROVALS	DATE
	12.10.2019
QUALITY CONTROL ENGINEER	
	12/10/19
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/17/19
WATER, SEWER, STREETS BUREAU CHIEF	
	12/10/19
TRANSPORTATION DIRECTOR	
	12/10/19
PROJECT MANAGER	

REVISIONS	DATE

N. CARLIN SPRINGS ROAD
DC14
AT N EDISON STREET AND AT N WAKEFIELD STREET
EROSION AND SEDIMENT CONTROL
NOTES 2

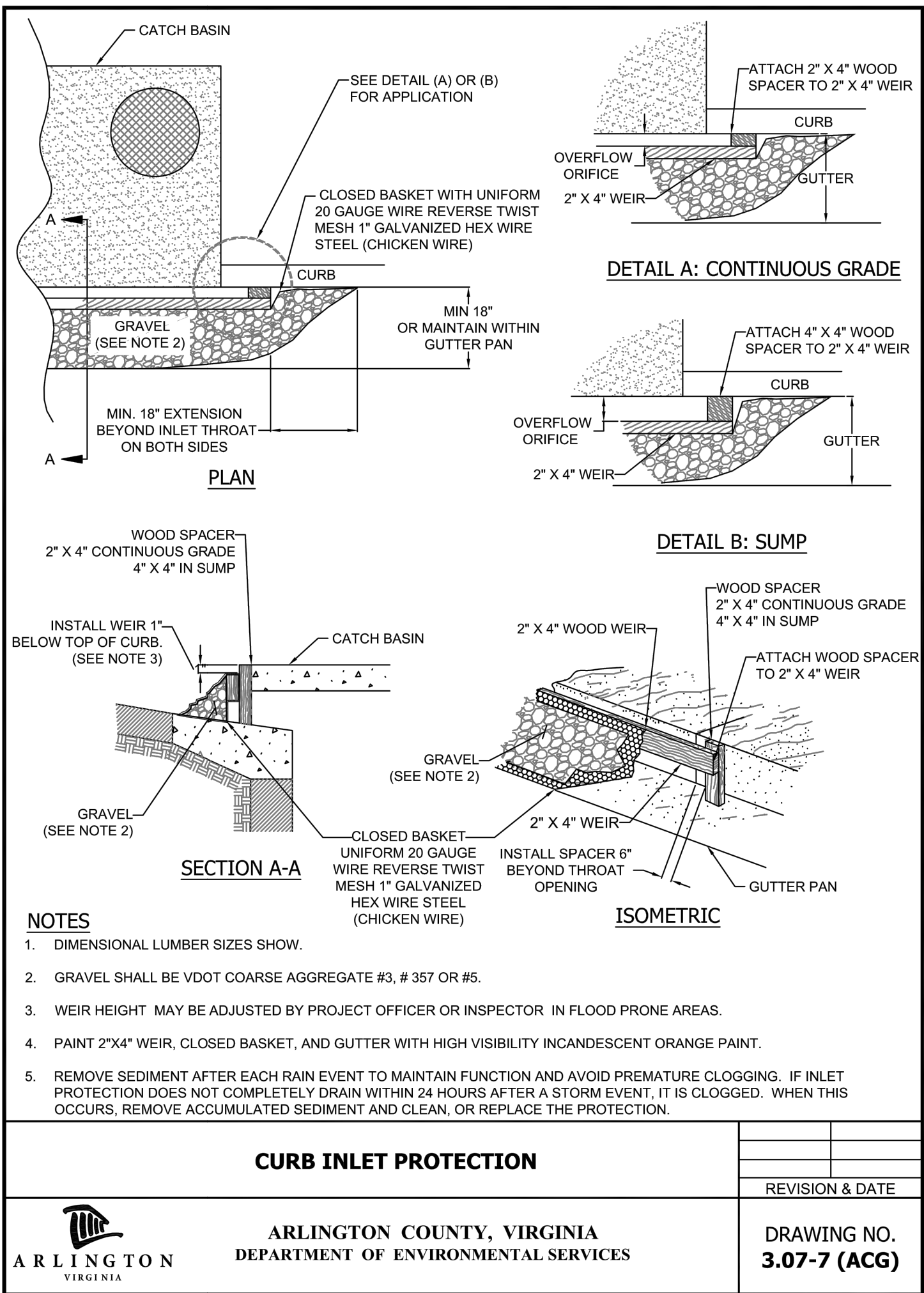
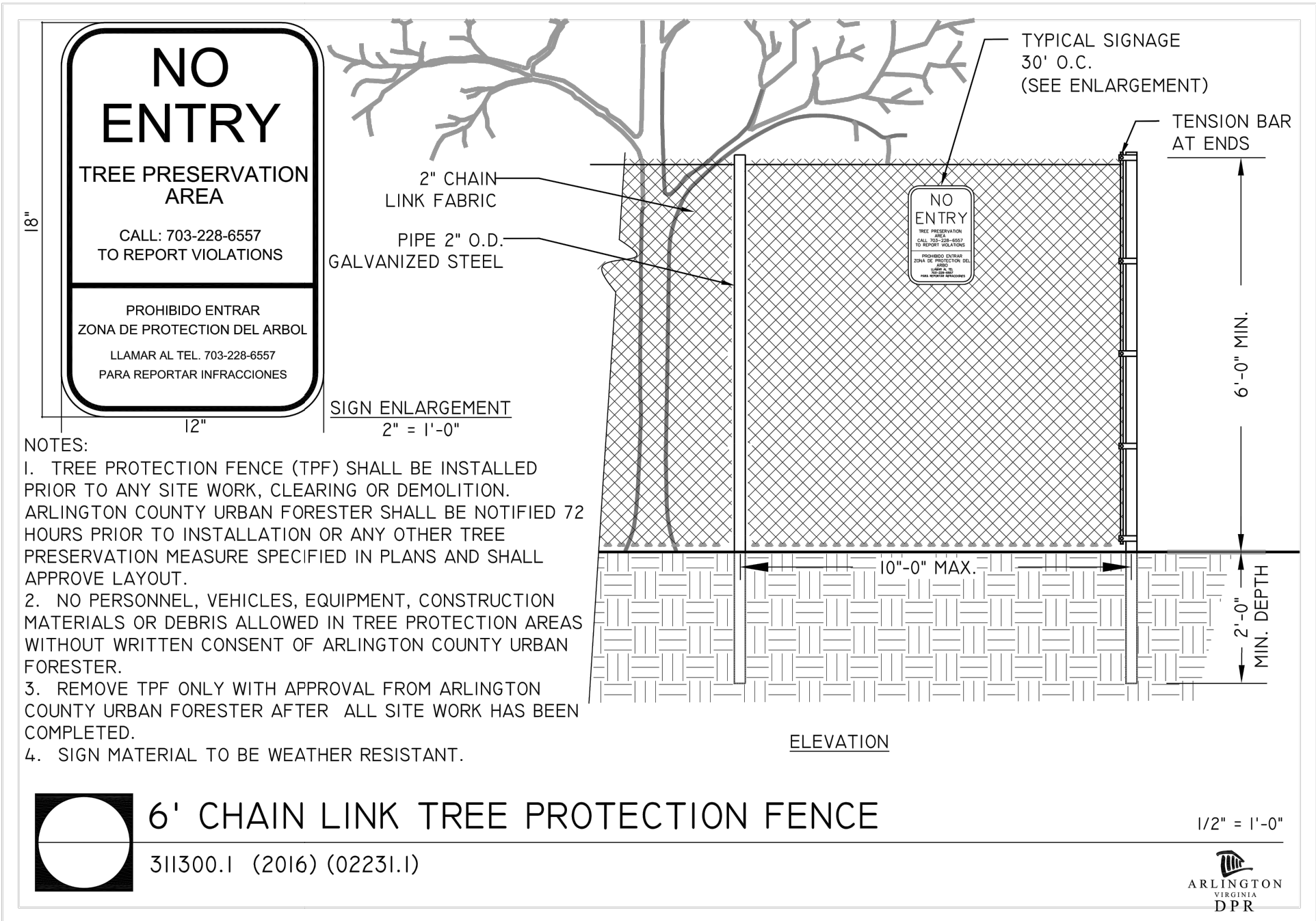
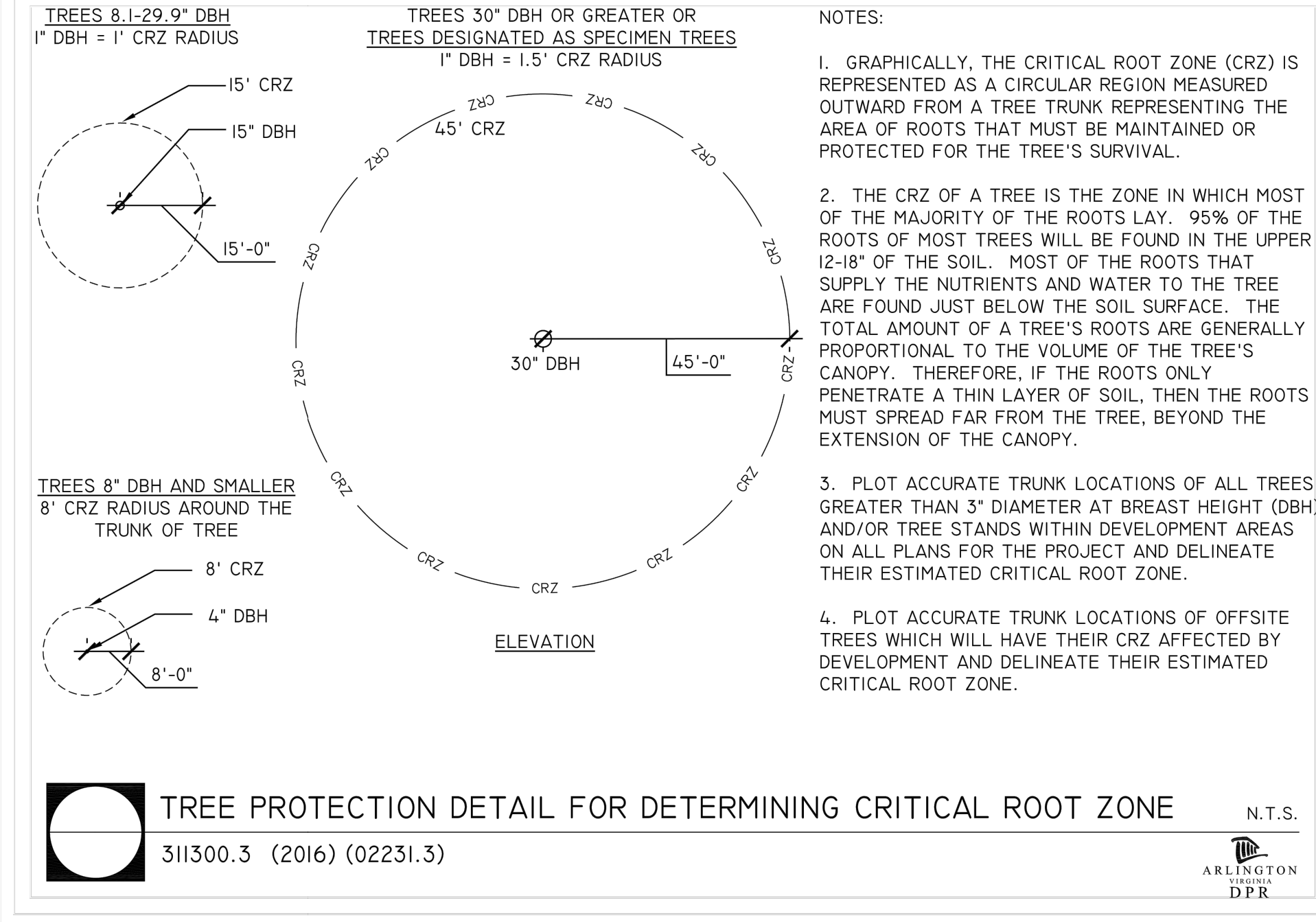
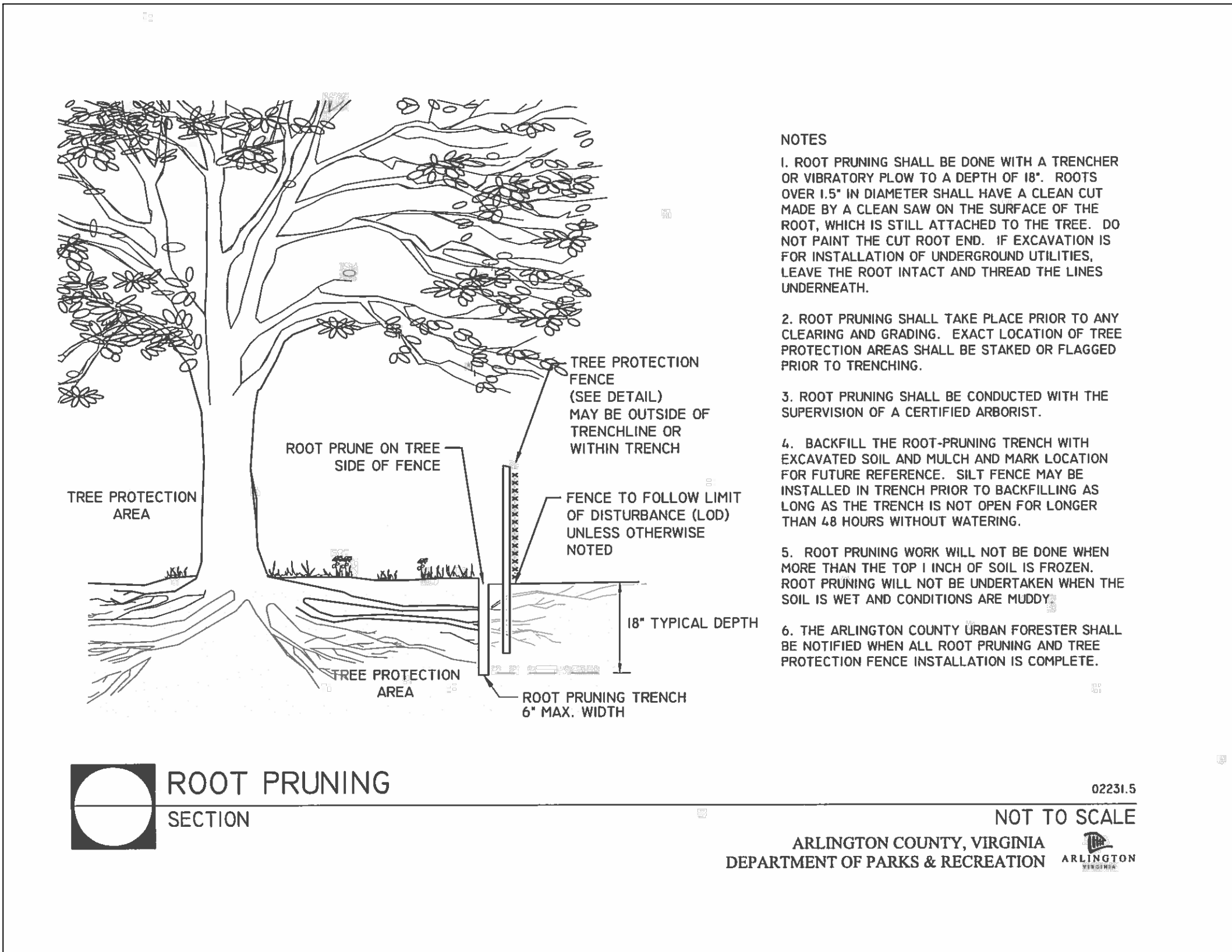
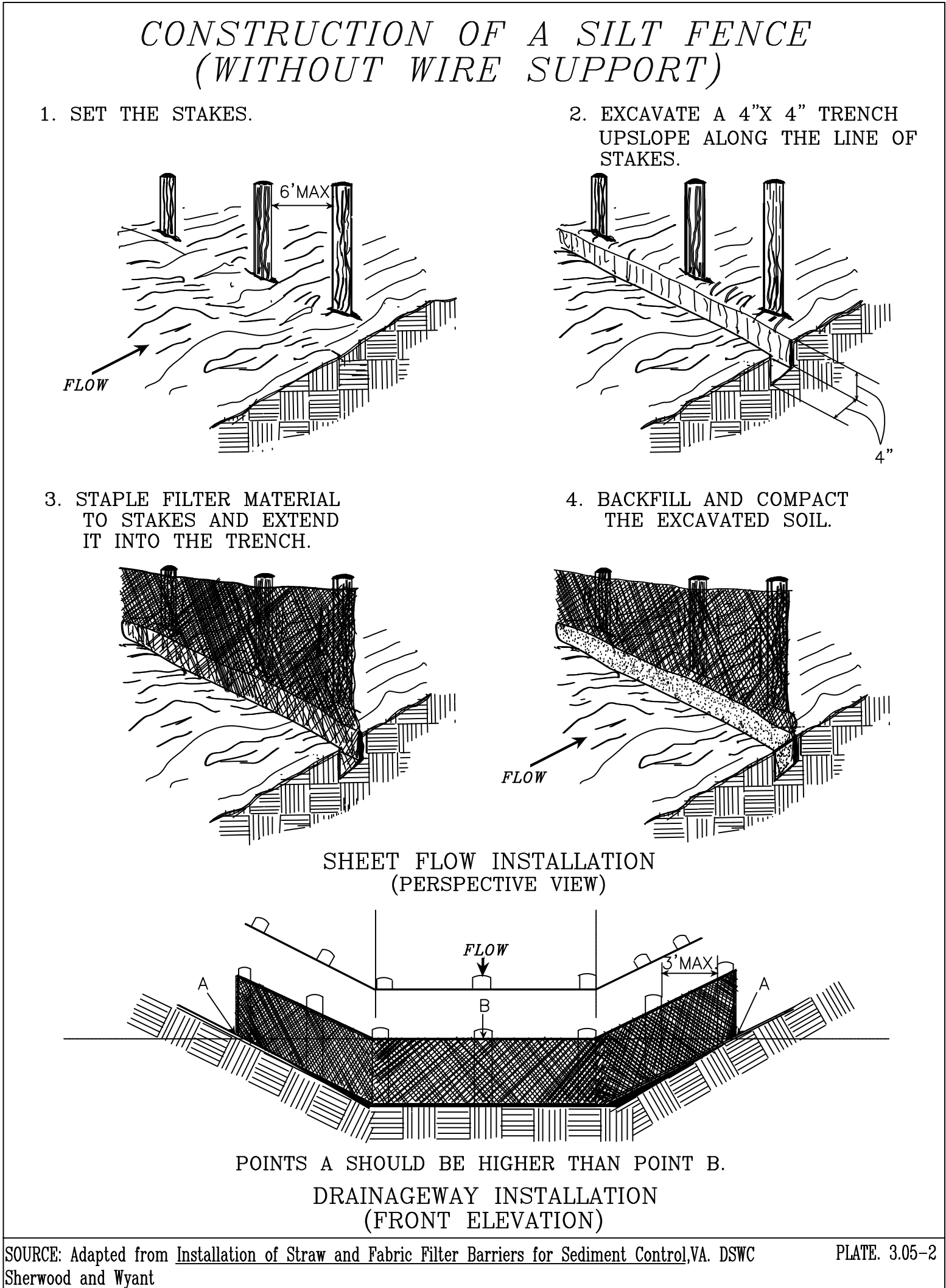
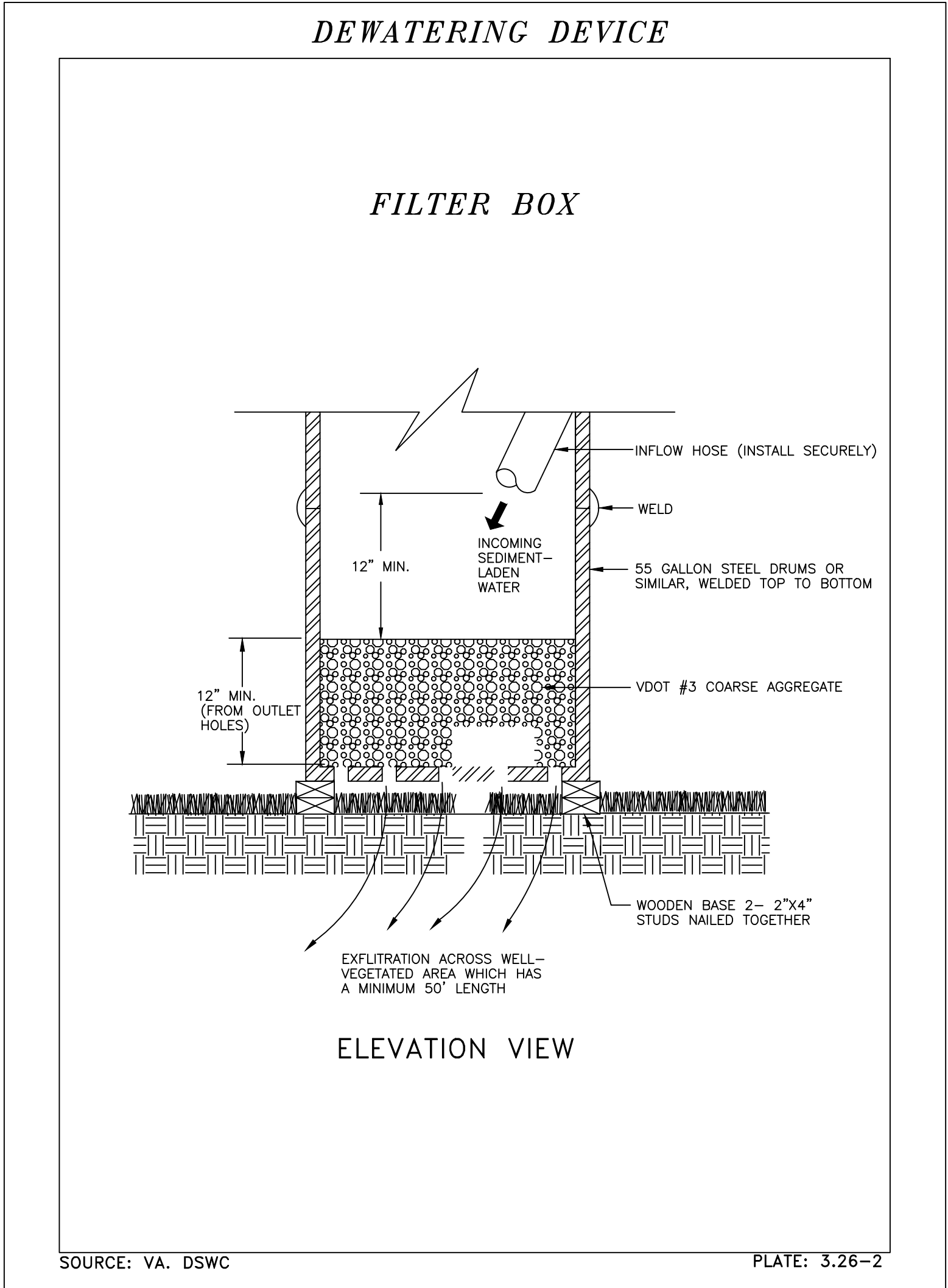
DESIGNED: J. ROJAS
DRAWN: J. ROJAS
CHECKED: P. RIGBY
MISS UTILITY TRANSMITTAL #: 5362-D
PLOTTED: DECEMBER 18 2019

SCALE:NTS

SHEET 13 OF 33

N. CARLIN SPRINGS ROAD

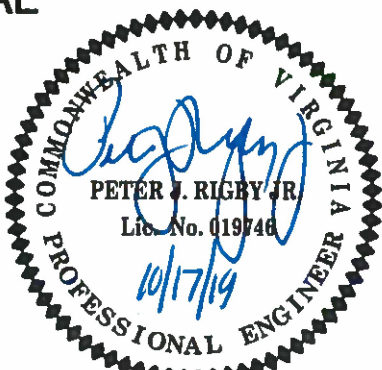
FILENAME: DC14-224-EROSION_AND_SEDIMENT_CONTROL_DETAILS.DWG PATH: Q:\DATA\DC\DESIGN\CAD\90_100_PCT_ARCHIVE_PLOTTED BY: ROJAS
REVISED ON 05/23/2018



DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

COPYRIGHT © 2018 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

12.10.2019
12/10/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19

12/17/19
12/17/19
12/17/19