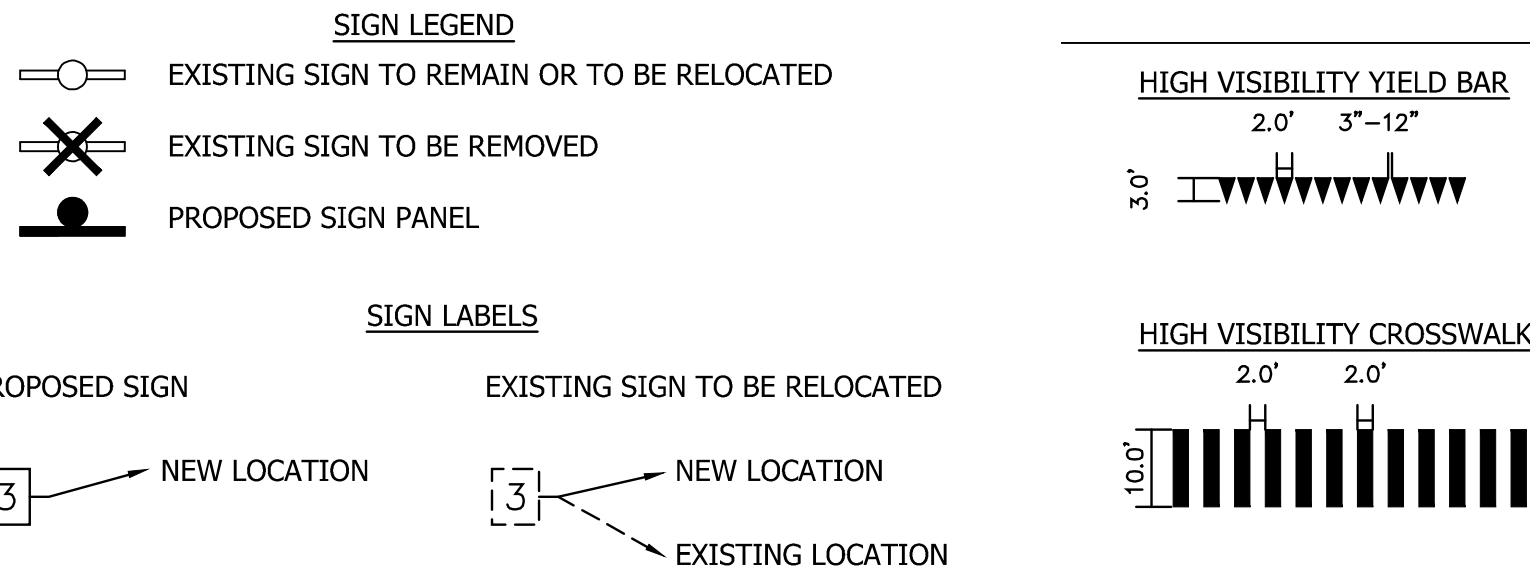
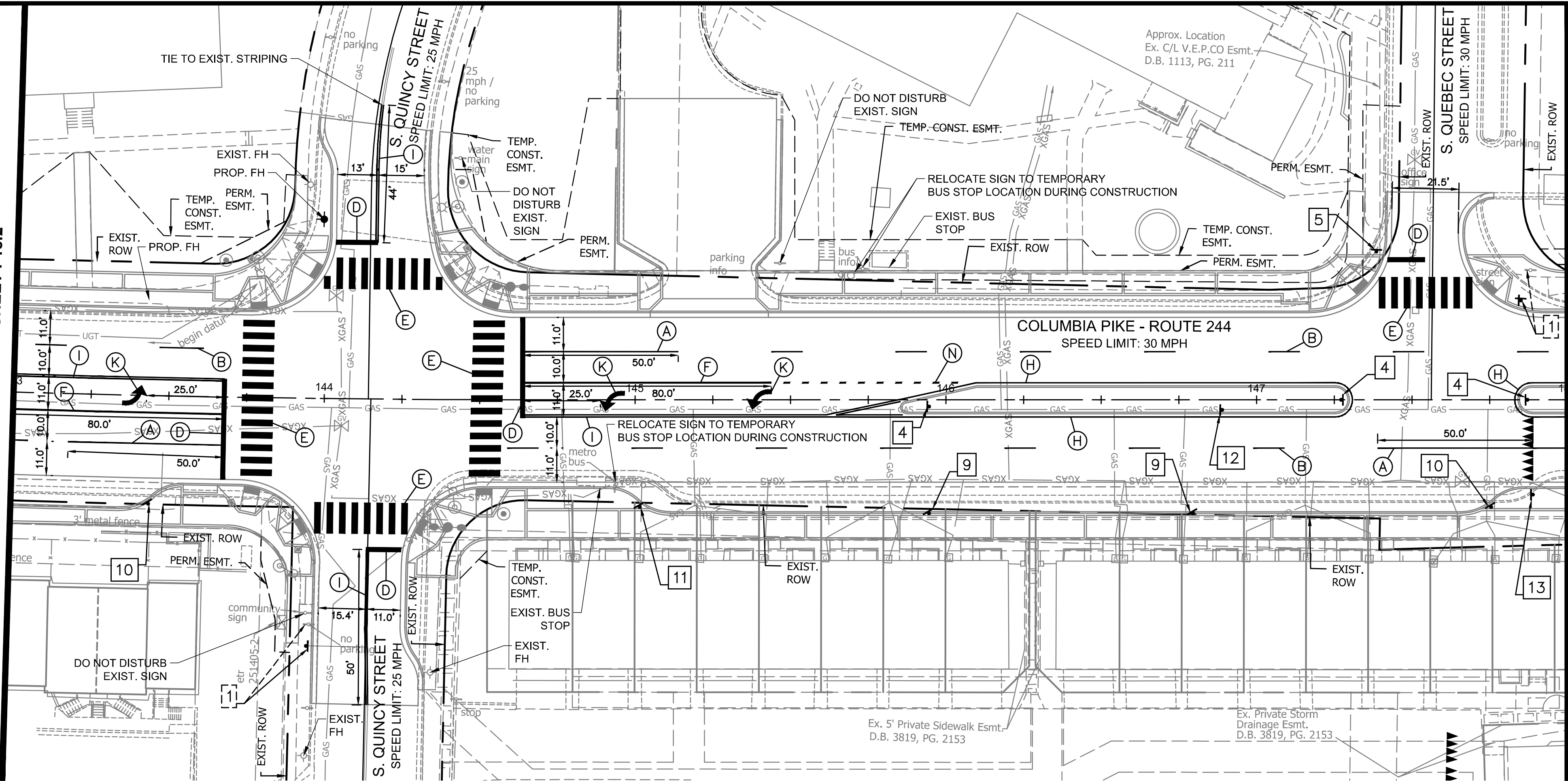


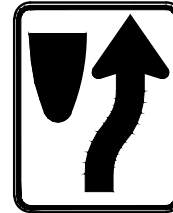
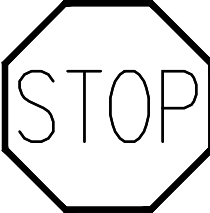









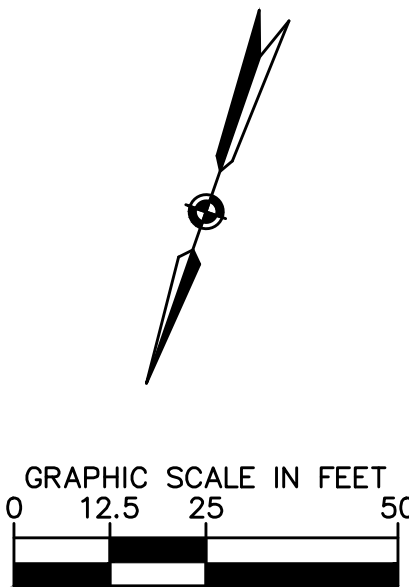
MATCHLINE STA: 143+00 - SEE SHEET F18.2

MATCHLINE STA: 148+00 - SEE SHEET F18.4



SIGN NUMBER	1	2	3	4	5	6
SIGN	EXISTING SIGN (VARIES—SEE CALLOUT)					
MUTCD NO.	-	W11-2 W16-7PL	W11-2 W16-7PR	R4-7	R1-1	R2-1
DIM.	-	36" x 36" 24" x 12"	36" x 36" 24" x 12"	24" x 30"	36" x 36"	30" x 36"
SIGN NUMBER	7	8	9	10	11	12
SIGN						
MUTCD NO.	R3-2	R6-1R	R7-108	R7-108R	R7-108L	W11-2 W16-9P
DIM.	36" x 36"	54" x 18"	12" x 18"	12" x 18"	12" x 18"	36" x 36" 24" x 12"

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



SIGNING AND PAVEMENT MARKING NOTES:

- ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING DOCUMENTS AND ANY REVISION THERETO:
 - A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - B. ARLINGTON COUNTY MARKING STANDARDS
 - C. VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - D. VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS
- ALL SIGNS SHALL BE CONSTRUCTED FROM ENCAPSULATED LENS SHEETING.
- PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO COMPLY WITH THE STANDARDS REFERENCED IN NOTE 1 ABOVE. SIGNS SHALL BE INSTALLED ONLY AFTER APPROVAL OF FINAL LOCATIONS BY ARLINGTON COUNTY.
- REMOVE EXISTING "NO PARKING" SIGNS UNLESS NOTED OTHERWISE. ALL PROPOSED "NO PARKING" SIGNS SHALL BE INSTALLED AT 45 DEGREE ANGLE TO THE BACK OF THE CURB.
- 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.
- STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHOULD BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING TRAVELED WAY.
- ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
- 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.
- EDGE LINES ARE REQUIRED ONLY WHERE SHOWN ON THE PLANS.
- PAVEMENT LINE MARKINGS SHALL ALIGN PROPERLY WITH EXISTING MARKINGS AT THE LIMITS OF THE PROJECT.
- CONTACT ARLINGTON COUNTY D.E.S., ARLINGTON COUNTY POLICE DEPT., AND DANIELLE FREY-VALENTINE (ATS) AT 631-865-1428 TWO WEEKS PRIOR TO REMOVAL OF RED LIGHT CAMERA EQUIPMENT.
- LOCATION OF PROPOSED RECTANGULAR RAPID FLASHING BEACON (RRFB). SEE DETAIL 72-01 ON SHEET F2.5. REFER TO STREET LIGHTING PLAN SHEET F15.10 FOR POWER CONNECTION.



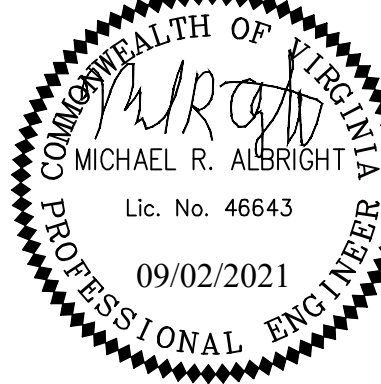
DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606

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Kimley-Horn
and Associates, Inc.

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11400 Commerce Park Drive, Suite 400
Reston, Virginia 20191
Phone: 703-674-1500
Fax: 703-674-1500

Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions	Date

Designed: AA
Drawn: AA
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-SM.dwg
Path: C:\Users\KIMLEY\OneDrive\Documents\Projects\010073-F-SM.dwg
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

SIGNING AND PAVEMENT MARKING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 143+00 TO STA. 148+00

SCALE: HOR. 1" = 25' VERT. N/A SHEET: F18.3 of F18.7

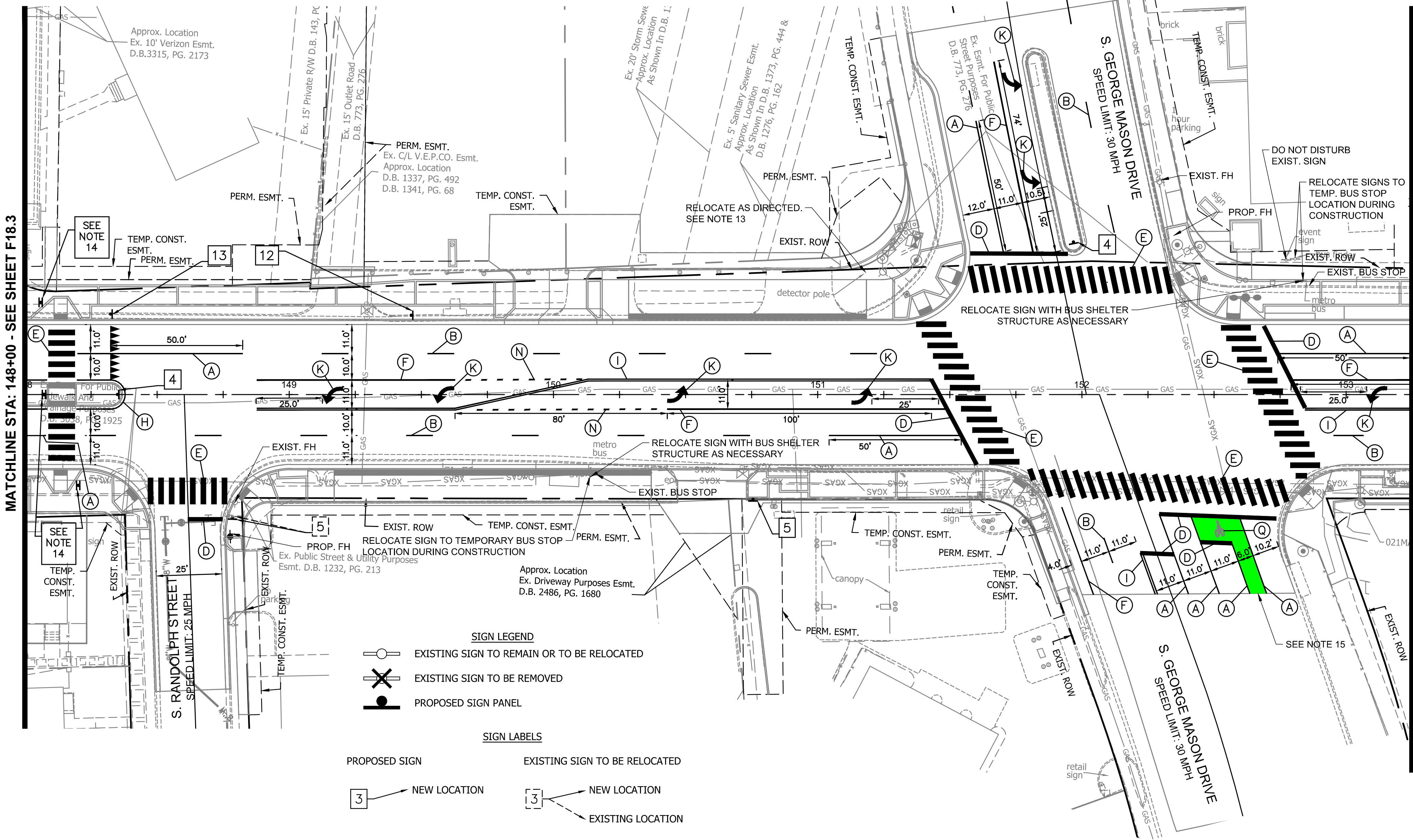


DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

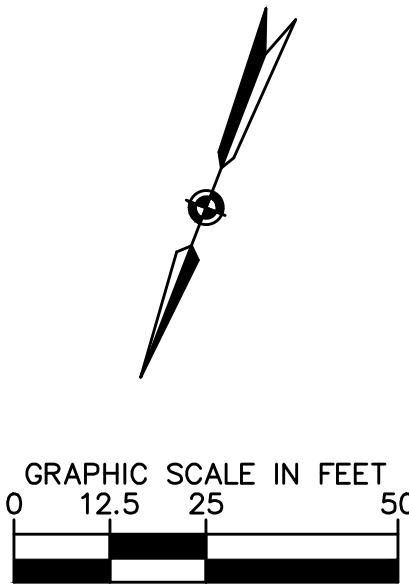
MATCHLINE STA: 148+00 - SEE SHEET F18.3

MATCHLINE STA: 153+25 - SEE SHEET F18.5

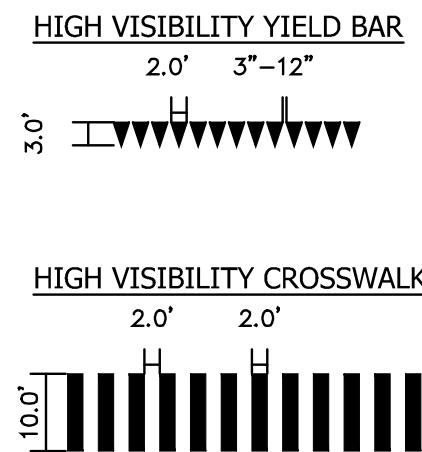


- SIGNING AND PAVEMENT MARKING NOTES:**
- ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING DOCUMENTS AND ANY REVISION THERETO:
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B. ARLINGTON COUNTY MARKING STANDARDS
C. VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
D. VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS
 - ALL SIGNS SHALL BE CONSTRUCTED FROM ENCAPSULATED LENS SHEETING.
 - PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO COMPLY WITH THE STANDARDS REFERENCED IN NOTE 1 ABOVE. SIGNS SHALL BE INSTALLED ONLY AFTER APPROVAL OF FINAL LOCATIONS BY ARLINGTON COUNTY.
 - REMOVE EXISTING "NO PARKING" SIGNS UNLESS NOTED OTHERWISE. ALL PROPOSED "NO PARKING" SIGNS SHALL BE INSTALLED AT 45 DEGREE ANGLE TO THE BACK OF THE CURB.
 - 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.
 - STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHOULD BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING TRAVELED WAY.
 - ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
 - 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.
 - EDGE LINES ARE REQUIRED ONLY WHERE SHOWN ON THE PLANS.
 - PAVEMENT LINE MARKINGS SHALL ALIGN PROPERLY WITH EXISTING MARKINGS AT THE LIMITS OF THE PROJECT. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING MARKINGS AT TIE-IN POINTS.
 - CONTACT ARLINGTON COUNTY D.E.S., ARLINGTON COUNTY POLICE DEPT., AND DANIELLE FREY-VALENTINE (ATS) AT 631-865-1428 TWO WEEKS PRIOR TO REMOVAL OF RED LIGHT CAMERA EQUIPMENT.
 - LOCATION OF PROPOSED RECTANGULAR RAPID FLASHING BEACON (RRFB). SEE DETAIL 72-01 ON SHEET F2.5. REFER TO STREET LIGHTING PLAN SHEET F15.10 FOR POWER CONNECTION.
 - BIKE LANE AND BIKE BOX TO BE REPLACED IN KIND WITH GREEN THERMOPLASTIC PAVEMENT MARKING PAINT PER ARLINGTON COUNTY STANDARDS. SURVEY PREDATES THE INSTALLATION OF EXISTING MARKINGS IN THIS LOCATION. CONTRACTOR TO FIELD VERIFY LOCATIONS AND OFFSETS OF EXISTING MARKINGS PRIOR TO INSTALLATION OF PROPOSED MARKINGS.

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



SIGN NUMBER	1	2	3	4	5	6	
SIGN	<div>EXISTING SIGN (VARIES—SEE CALLOUT)</div>						
MUTCD NO.	-	W11-2 W16-7PL	W11-2 W16-7PR	R4-7	R1-1	R2-1	
DIM.	-	36" x 36" 24" x 12"	36" x 36" 24" x 12"	24" x 30"	36" x 36"	30" x 36"	
SIGN NUMBER	7	8	9	10	11	12	13
SIGN							
MUTCD NO.	R3-2	R6-1R	R7-108	R7-108R	R7-108L	W11-2 W16-9P	R1-5L
DIM.	36" x 36"	54" x 18"	12" x 18"	12" x 18"	12" x 18"	36" x 36" 24" x 12"	36" x 36"



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

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and Associates, Inc.

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11400 Commerce Park Drive, Suite 400
Reston, Virginia 20191
Phone: 703-674-1500
Fax: 703-674-1500

Seal



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

Designed: AA
Drawn: AA
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-SM.dwg
Path: C:\Users\KIMLEY\OneDrive\Projects\Arlington\010073-F-SM.dwg
Plotted: October 12, 2021
Plotted by: Ted.DeLio

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

SIGNING AND PAVEMENT MARKING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 148+00 TO STA. 153+25

SCALE: HOR. 1" = 25' VERT. N/A SHEET: F18.4 of F18.7

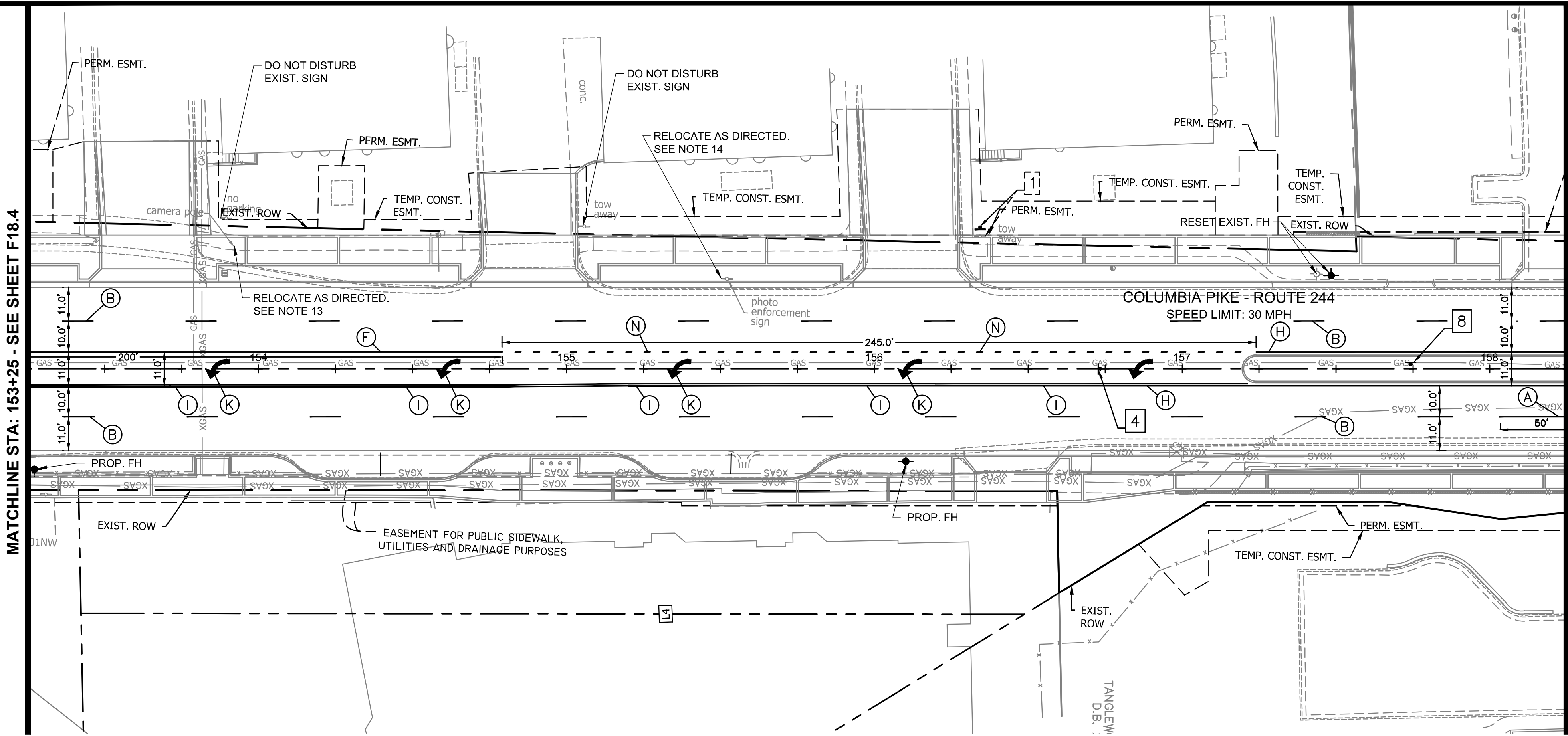


DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

MATCHLINE STA: 153+25 - SEE SHEET F18.4

MATCHLINE STA: 158+14 - SEE SHEET F18.6



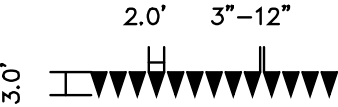
SIGN LEGEND

- EXISTING SIGN TO REMAIN OR TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN PANEL

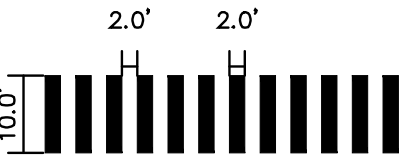
SIGN LABELS

- PROPOSED SIGN
- EXISTING SIGN TO BE RELOCATED
- NEW LOCATION
- EXISTING LOCATION

HIGH VISIBILITY YIELD BAR



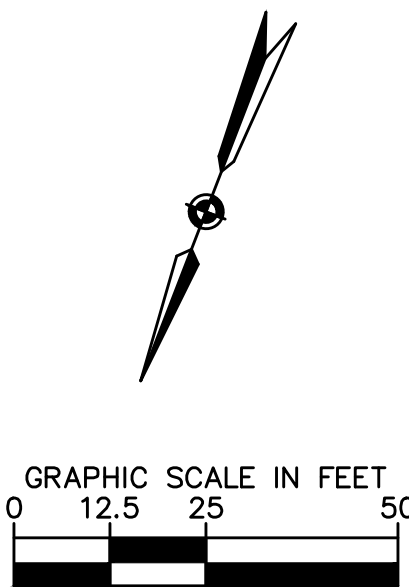
HIGH VISIBILITY CROSSWALK



PAVEMENT MARKING TYPE

DESCRIPTION

- (A) TYPE B CLASS 1: WHITE 4" WIDTH.....PARKING LANES, EDGE LINES, LANE LINES
- (B) TYPE B CLASS 1: WHITE 4" WIDTH, 10' LONG, 30' SPACING.....DASHED LANE LINES
- (C) TYPE B CLASS 1: WHITE 4" WIDTH, 2' LONG, 6' SPACING.....LANE TRANSITIONS, TURN LANE SKIPS
- (D) TYPE B CLASS 1: WHITE 18" WIDTH.....STOP BARS
- (E) TYPE B CLASS 1: WHITE 24" WIDTH.....CONTINENTAL CROSSWALKS
- (F) TYPE B CLASS 1: WHITE 6" WIDTH.....TURN LANES, TRANSVERSE CROSSWALKS, BIKE LANES,
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- (J) TYPE B CLASS 1: WHITE 6" WIDTH, 10' SPACING @45 DEGREE.....HATCH LINES, SAFETY ZONES
- (K) TYPE B CLASS 1: WHITE SINGLE ARROW.....TURN LANES
- (L) TYPE B CLASS 1: WHITE COMBINATION ARROW.....TURN LANES
- (M) TYPE B CLASS 1: WHITE 8' LETTERS.....PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY, etc.)
- (N) TYPE B CLASS 1: WHITE 6" WIDTH, 2' LONG, 4' SPACING.....LANE TRANSITIONS, TURN LANE SKIPS
- (O) TYPE B CLASS 1: WHITE 12" WIDTH, 20' SPACING @45 DEGREE.....GORE MARKINGS
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 - B. ARLINGTON COUNTY MARKING STANDARDS
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- LOCATION OF PROPOSED RECTANGULAR RAPID FLASHING BEACON (RRFB). SEE DETAIL 72-01 ON SHEET F2.5. REFER TO STREET LIGHTING PLAN SHEET F15.10 FOR POWER CONNECTION.



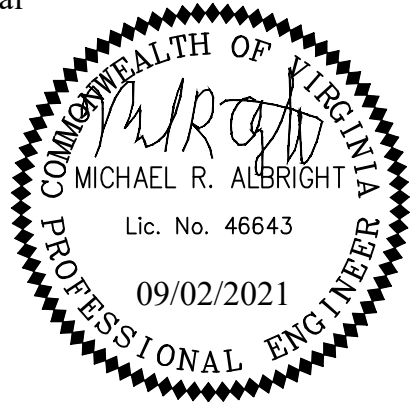
DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606

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11400 Commerce Park Drive, Suite 400
Reston, Virginia 20191
Phone: 703-674-1500
Fax: 703-674-1500

Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: AA
Drawn: AA
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-SM.dwg
Path: C:\Users\KIMLEY\OneDrive\Documents\Projects\010073-F-SM.dwg
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

SIGNING AND PAVEMENT MARKING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 153+25 TO STA. 158+50

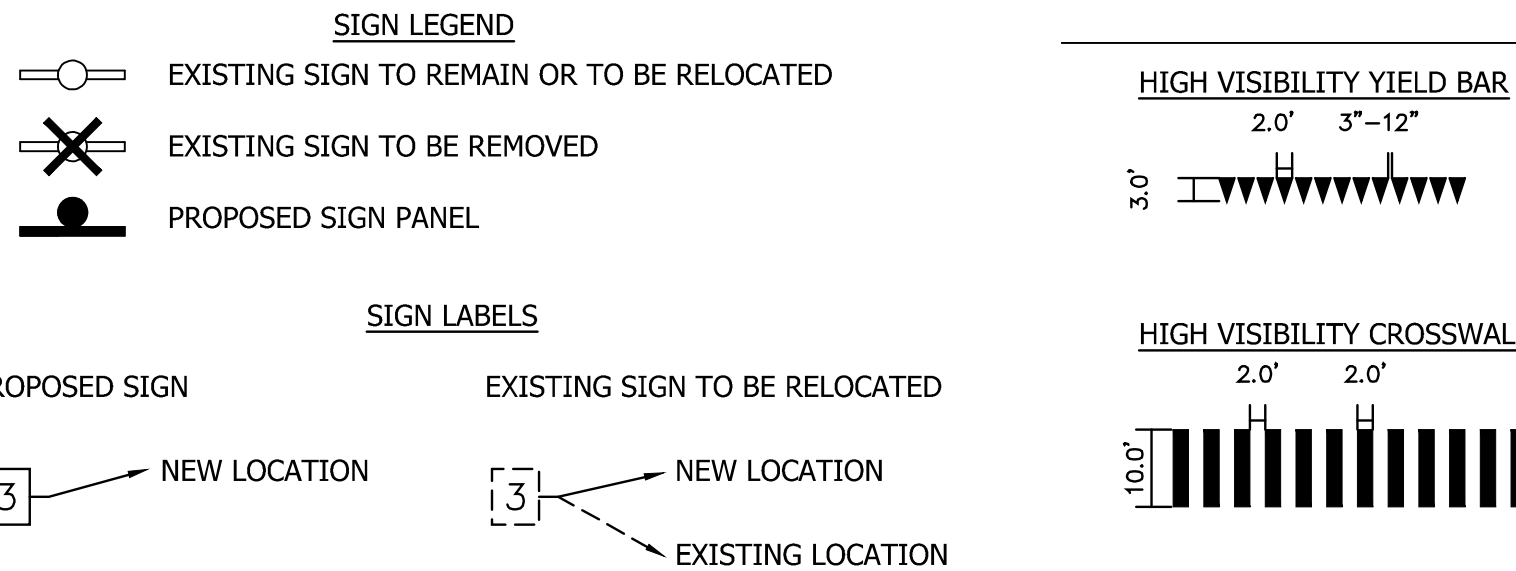
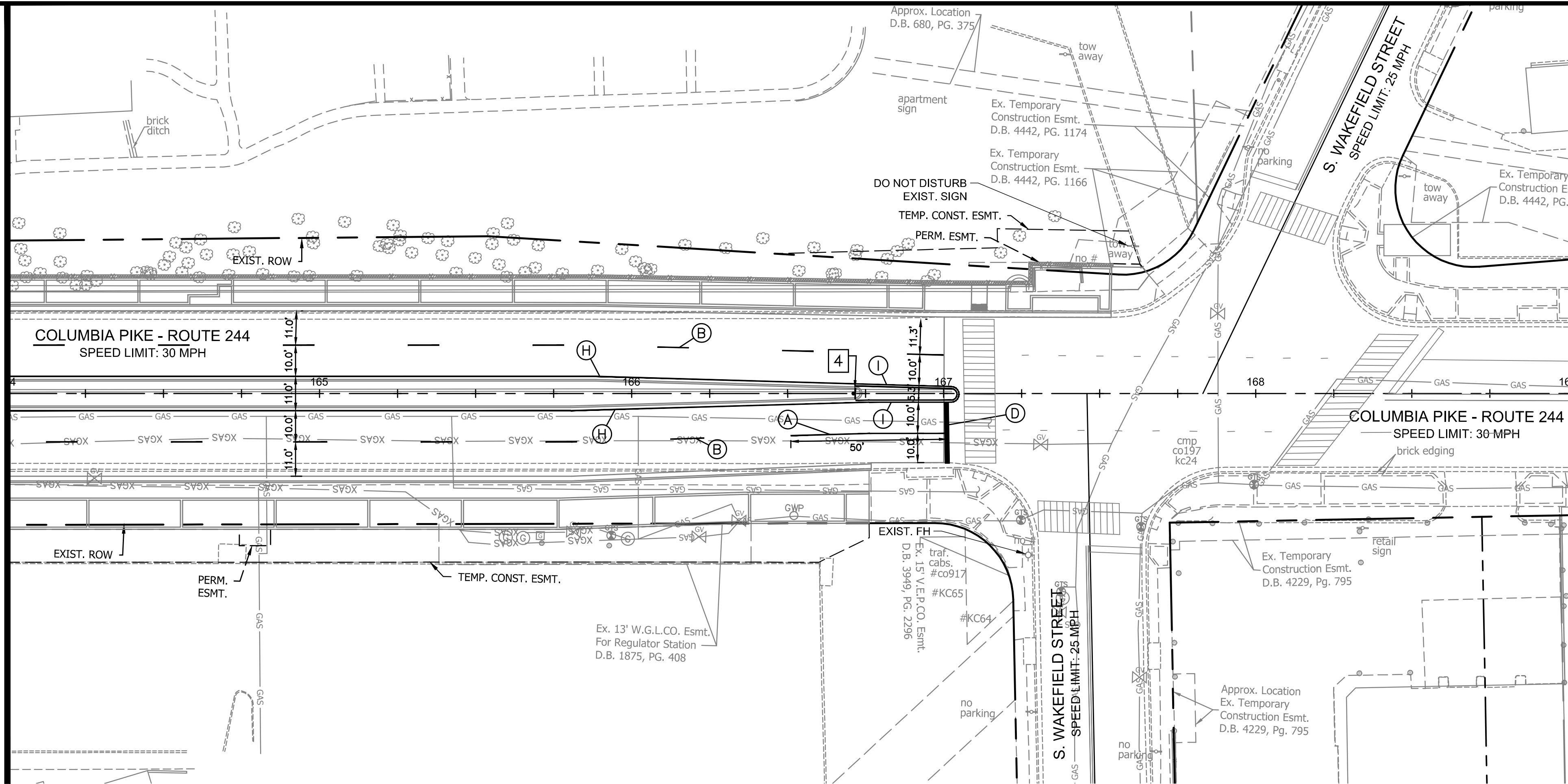
SCALE: HOR. 1" = 25' VERT. N/A SHEET: F18.5 of F18.7



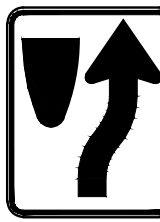
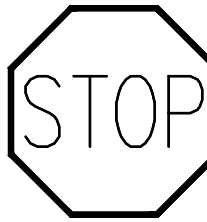









DEPARTMENT OF ENVIRONMENTAL SERVICES

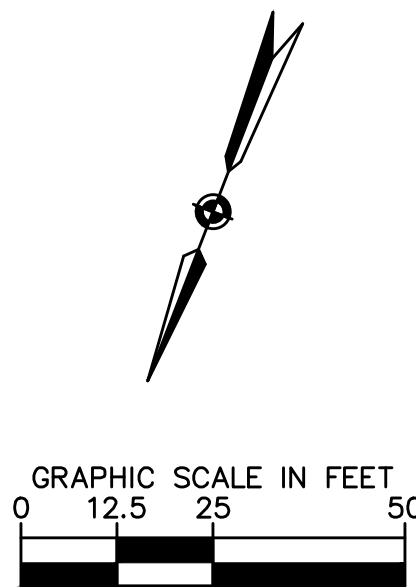
10/19/2021
APPROVAL DATE

MATCHLINE STA: 164+00 - SEE SHEET F18.6



SIGN NUMBER	1	2	3	4	5	6
SIGN	EXISTING SIGN (VARIES—SEE CALLOUT)					
MUTCD NO.	-	W11-2 W16-7PL	W11-2 W16-7PR	R4-7	R1-1	R2-1
DIM.	-	36" x 36" 24" x 12"	36" x 36" 24" x 12"	24" x 30"	36" x 36"	30" x 36"
SIGN NUMBER	7	8	9	10	11	12
SIGN						
MUTCD NO.	R3-2	R6-1R	R7-108	R7-108R	R7-108L	W11-2 W16-9P
DIM.	36" x 36"	54" x 18"	12" x 18"	12" x 18"	12" x 18"	36" x 36" 24" x 12"

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



SIGNING AND PAVEMENT MARKING NOTES:

- ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING DOCUMENTS AND ANY REVISION THERETO:
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - ARLINGTON COUNTY MARKING STANDARDS
 - VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS
- ALL SIGNS SHALL BE CONSTRUCTED FROM ENCAPSULATED LENS SHEETING.
- PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO COMPLY WITH THE STANDARDS REFERENCED IN NOTE 1 ABOVE. SIGNS SHALL BE INSTALLED ONLY AFTER APPROVAL OF FINAL LOCATIONS BY ARLINGTON COUNTY.
- REMOVE EXISTING "NO PARKING" SIGNS UNLESS NOTED OTHERWISE. ALL PROPOSED "NO PARKING" SIGNS SHALL BE INSTALLED AT 45 DEGREE ANGLE TO THE BACK OF THE CURB.
- 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.
- STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHOULD BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING TRAVELED WAY.
- ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
- 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.
- EDGE LINES ARE REQUIRED ONLY WHERE SHOWN ON THE PLANS.
- PAVEMENT LINE MARKINGS SHALL ALIGN PROPERLY WITH EXISTING MARKINGS AT THE LIMITS OF THE PROJECT.
- CONTACT ARLINGTON COUNTY D.E.S., ARLINGTON COUNTY POLICE DEPT., AND DANIELLE FREY-VALENTINE (ATS) AT 631-865-1428 TWO WEEKS PRIOR TO REMOVAL OF RED LIGHT CAMERA EQUIPMENT.
- LOCATION OF PROPOSED RECTANGULAR RAPID FLASHING BEACON (RRFB). SEE DETAIL 72-01 ON SHEET F2.5. REFER TO STREET LIGHTING PLAN SHEET F15.10 FOR POWER CONNECTION.



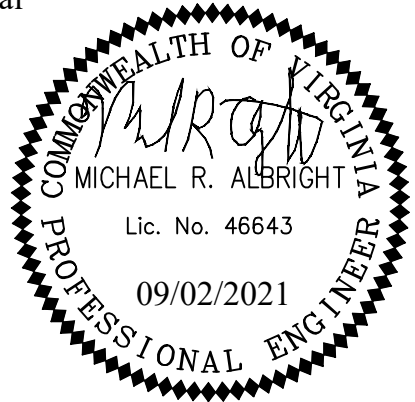
DEPARTMENT OF ENVIRONMENTAL SERVICES

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Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: AA
Drawn: AA
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-SM.dwg
Path: C:\NVA_KRM\Y11010073 Columbia Pike Multimodal Production\Task
11-2 Final Design of Columbia Pike Segment Segment F15.1-100%
Design Plans
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

SIGNING AND PAVEMENT MARKING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 164+00 TO STA. 169+00

SCALE: HOR. 1" = 25' VERT. N/A SHEET: F18.7 of F18.7



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

1. CONSTRUCTION WORK ALONG COLUMBIA PIKE (RTE. 244) WILL EXTEND FROM 250' EAST OF SOUTH OAKLAND STREET TO S. WAKEFIELD STREET. THE REQUIRED TRAFFIC CONTROL DEVICES SHALL BE INSTALLED FOR ALL PHASES.
2. DRIVEWAY ENTRANCES SHALL REMAIN ACCESSIBLE AT ALL TIMES.
3. ALL TRAFFIC CONTROL DEVICES MUST BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST VERSION OF THE VIRGINIA WORK AREA PROTECTION MANUAL (VA WAPM).
4. THE CONTRACTOR SHALL FURNISH, INSTALL AND OPERATE TWO (2) VARIABLE MESSAGE BOARDS DURING CONSTRUCTION AS SHOWN ON VDOT TTC-16.1 AND TTC-42.1 (2015 EDITION).
5. PORTABLE VARIABLE MESSAGE SIGNS WITH CLOSURE INFORMATION MUST BE INSTALLED AHEAD OF WORK AREA 3 WEEKS PRIOR TO CLOSURE.
6. AT END OF WORK DAY, ALL EXCAVATION WITHIN OPEN TRAVEL LANES SHALL BE COVERED WITH BASE ASPHALT OR STEEL PLATES AND SHALL BE OPENED FOR TRAFFIC. USE OF STEEL PLATES ON COLUMBIA PIKE FROM NOVEMBER 1 TO APRIL 1 MUST BE COORDINATED WITH THE WATER, SEWER, AND STREETS BUREAU. STEEL PLATES SHALL BE INSTALLED FLUSH WITH SURFACE COURSE PAVEMENT OR RAMPED WITH TEMPORARY ASPHALT - NO EXPOSED EDGES ARE PERMITTED IN THE TRAVELWAY.
7. ALL CONSTRUCTION WORK WILL BE FOR THE DURATION OF 912 DAYS TOTAL (650 WORK DAYS). WORK DAYS NOT TO INCLUDE HOLIDAYS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE WALKWAYS FOR PEDESTRIANS WITHIN THE CONSTRUCTION AREA. FOR ANY SIDEWALK CLOSURE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND IMPLEMENT VDOT TTC-35.1 AND TTC-36.2. PEDESTRIAN PATHWAYS MAY BE INSTALLED IN THE ROADWAY TO ACCOMMODATE SIDEWALK CONSTRUCTION IF CLEARLY MARKED AND PROTECTED, AND MEET ADA AND VA WAPM REQUIREMENTS. PEDESTRIAN SIGNAL HEADS MUST BE BAGGED FOR ALL CROSSWALKS/CROSSINGS NOT IN USE FOR THE DURATION OF THE CLOSURE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTIVITIES WITH ADJACENT ALLEY OR DRIVEWAY ENTRANCES TO PROVIDE ADEQUATE INGRESS/EGRESS AT ALL TIMES.
10. MAINTENANCE OF TRAFFIC PLANS AND DETAILS SHOWN HERE SHALL BE FOLLOWED BY THE CONTRACTOR DURING CONSTRUCTION. SHOULD THE CONTRACTOR DESIRE TO FOLLOW AN ALTERNATE PLAN, THE CONTRACTOR SHALL SUBMIT THE ALTERNATE PLAN TO THE COUNTY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION/IMPLEMENTATION. ALTERNATIVE PLAN PREPARATION SHALL BE AT NO COST TO THE COUNTY. THE ALTERNATE PLANS SHALL BE SUBMITTED TO THE COUNTY A MINIMUM OF 4 WEEKS PRIOR TO CONTRACTOR NEEDING TO IMPLEMENT THE ALTERNATE PLANS.
11. WORK HOURS SHALL BE FROM 7:00 AM TO 9:00 PM MONDAY THROUGH FRIDAY, 10:00 AM TO 6:00 PM SATURDAYS, WITH THE FOLLOWING EXCEPTIONS:
 - 11.1. ALL INTERSECTIONS MUST BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:30 AM AND 3:30 PM TO 6:00 PM MONDAY THROUGH FRIDAY
12. WORK SHALL NOT BE PERFORMED DURING COUNTY HOLIDAYS UNLESS OTHERWISE DIRECTED IN WRITING.
13. CONTRACTOR SHALL FULLY ERADICATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
14. CONTRACTOR TO CONTACT ARLINGTON COUNTY DEPT. OF TRANSPORTATION PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION.
15. ONE LANE CLOSURE IN EACH DIRECTION OF TRAFFIC WILL BE PERMITTED FOR FINAL PAVEMENT OVERLAY.
16. TRAFFIC CONTROL PLAN IS BASED ON VDOT TTC-5.2, TTC-16.2, TTC-35.1, TTC-36.2, TTC-38.2, TTC-41.2, AND TTC-42.2 (VA WAPM 2019 EDITION).
17. THE CONTRACTOR SHALL SEQUENCE THE WORK ACTIVITIES SUCH THAT AT LEAST ONE LANE IS OPEN IN EACH DIRECTION AT ALL TIMES. THE MINIMUM LANE WIDTH FOR COLUMBIA PIKE (RTE 244) IS 11'. THE MINIMUM LANE WIDTH FOR ALL SIDE STREETS IS 10'. CONTRACTOR SHALL INSTALL THE CORRECT TYPICAL TRAFFIC CONTROL (TTC) FOR THE CLOSURE IMPLEMENTED.
18. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN THE FLOW OF TRAFFIC AT ANY INTERSECTION WITHIN THE WORK AREA.
19. COLUMBIA PIKE SPEED LIMIT POSTED IS 30 MPH.
20. CONTRACTOR TO PLACE ALL ADVANCE WARNING SIGNS WITHIN A ONE BLOCK AREA VERSUS SPREADING OUT OVER SEVERAL BLOCKS.
21. COORDINATION WITH ARLINGTON COUNTY TRANSIT (DIANE TRENT, 703-228-3049) IS REQUIRED AT LEAST 4 WEEKS PRIOR TO COMMENCEMENT OF ANY WORK WHICH IMPACTS TRANSIT ROUTES OR STOPS.
22. 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.
23. 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.
24. 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.
25. ALL TRASH CANS / RECYCLE BINS TO BE RELOCATED TO BOTH TEMPORARY AND PERMANENT RELOCATION SITES.
26. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF ALL SIGNALS WITHIN WORK AREAS AT ALL TIMES PER THE TEMPORARY SIGNAL MODIFICATION PLANS INCLUDED HEREIN. SHOULD THE CONTRACTOR DETERMINE THAT A SIGNAL MUST BE TURNED OFF AT ANY POINT, THE CONTRACTOR MUST NOTIFY ARLINGTON COUNTY A MINIMUM OF 24 HOURS IN ADVANCE AND ARRANGE FOR ARLINGTON POLICE TO CONTROL THE INTERSECTION. ACTIVE TRAFFIC CONTROL/FLAGGING THROUGH A SIGNALIZED INTERSECTION MUST BE PERFORMED BY A UNIFORMED POLICE OFFICER - THE CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY POLICE FOR THESE ACTIVITIES. CLOSURE OF ANY PEDESTRIAN CROSSING REQUIRES THE PEDESTRIAN SIGNAL HEADS TO BE BAGGED WITH BLACK-OUT FABRIC FOR THE DURATION OF THAT CLOSURE.



SCALE: N/A	SHEET: F19.1 of F19.31
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Typical Traffic Control
of Closure Operation on a Multi-Lane Roadway
(Figure TTC-41.2)

Guidelines:

1. Sign spacing distance should be 1500'-1500' for Limited Access highways, and on all other roadways, 500'-500' where the posted speed limit is greater than 43 mph, and 350'-500' where the posted speed limit is 43 mph or less.
2. Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance is achieved at the transition, *beginning on the posted speed limit and at least equal to or greater than the values in Table 605-3. For Limited Access highways a minimum of 1000' is desired.*

Standard:

1. On divided highways having a median wider than 8', right and left sign assemblies shall be required.

4. **Taper length (L) shall be at the following:**

Taper Length L1					Taper Length L2					
Taper length (m)	Lane Width (Feet)			Remarks	Taper length (m)	Lane Width (Feet)			Remarks	
	9	10	11			9	10	11		
≥ 25	81	106	118	L>=W/2	30	650	803	860	80	L>=W
20	138	160	166	L>=W/2	30	650	550	600	90	L>=W
15	165	206	226	2/3 L	30	640	603	660	720	L>=W
10	240	275	295	2/3 L	30	585	645	715	760	L>=W
5	415	465	505	2/3 L	20	630	720	780	840	L>=W

Shifting Tapers: Full lane width shifts on Limited Access Highways shall use a 750' shifting taper L2.

posted speeds less than 65 mph and a 1000' advance taper for posted speeds equal to or greater than 65 mph. For all other roadways $\geq 100'$, Shoulder Length = $\frac{1}{2}$ L Minimum

5. Channelizing device spacing shall be at the following:

Channelizing Device Spacing					
Location Spacing	Speed Limit (mph)	Location Spacing	Speed Limit (mph)	Location Spacing	Speed Limit (mph)
	0-25	136 *		36 *	
Transition	20	42	Travelway	40	80
			Construction Area	35	120

*Construction access spacing may be increased to this distance, but shall not exceed one access per 1/2 mile.

6. 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 in the travelway.

7. Within the traveled way,
The posted speed limit shall be as shown in Table B-803 or Page OIS for the posted speed limit.
A shoulder width with either a Type I or Type II barrier opening in the caution mode, at least one half intensity under testing, reflecting, or flashing light shall be perceived 90°-120° in advance of the vehicle's position. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.

8. Color-coded pavement markings and markers shall be permanent and temporary pavement markings and markers shall be installed per Figure TTC-60.

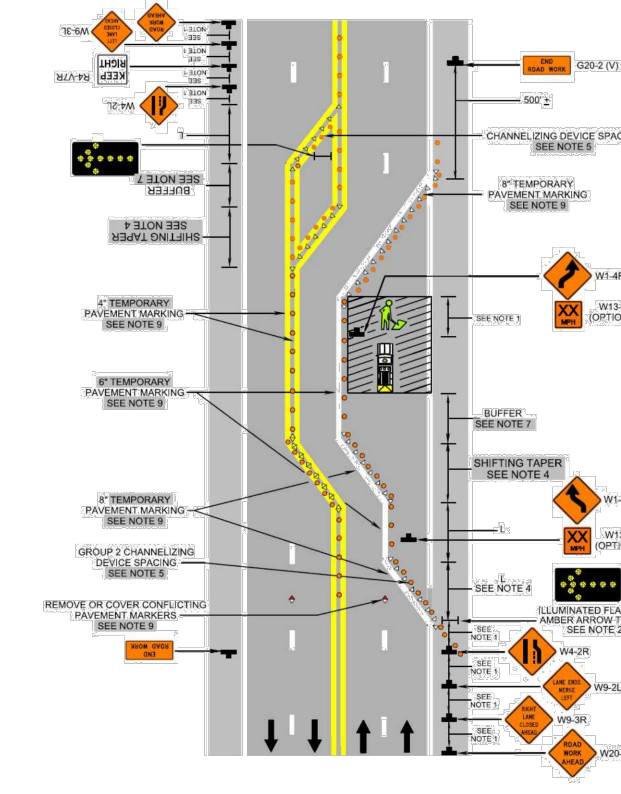
Option:

9. For short-term stationary work less than 3 days duration, lanes may be delineated by chicanes, devices or removable pavement markings instead of temporary pavement markings.

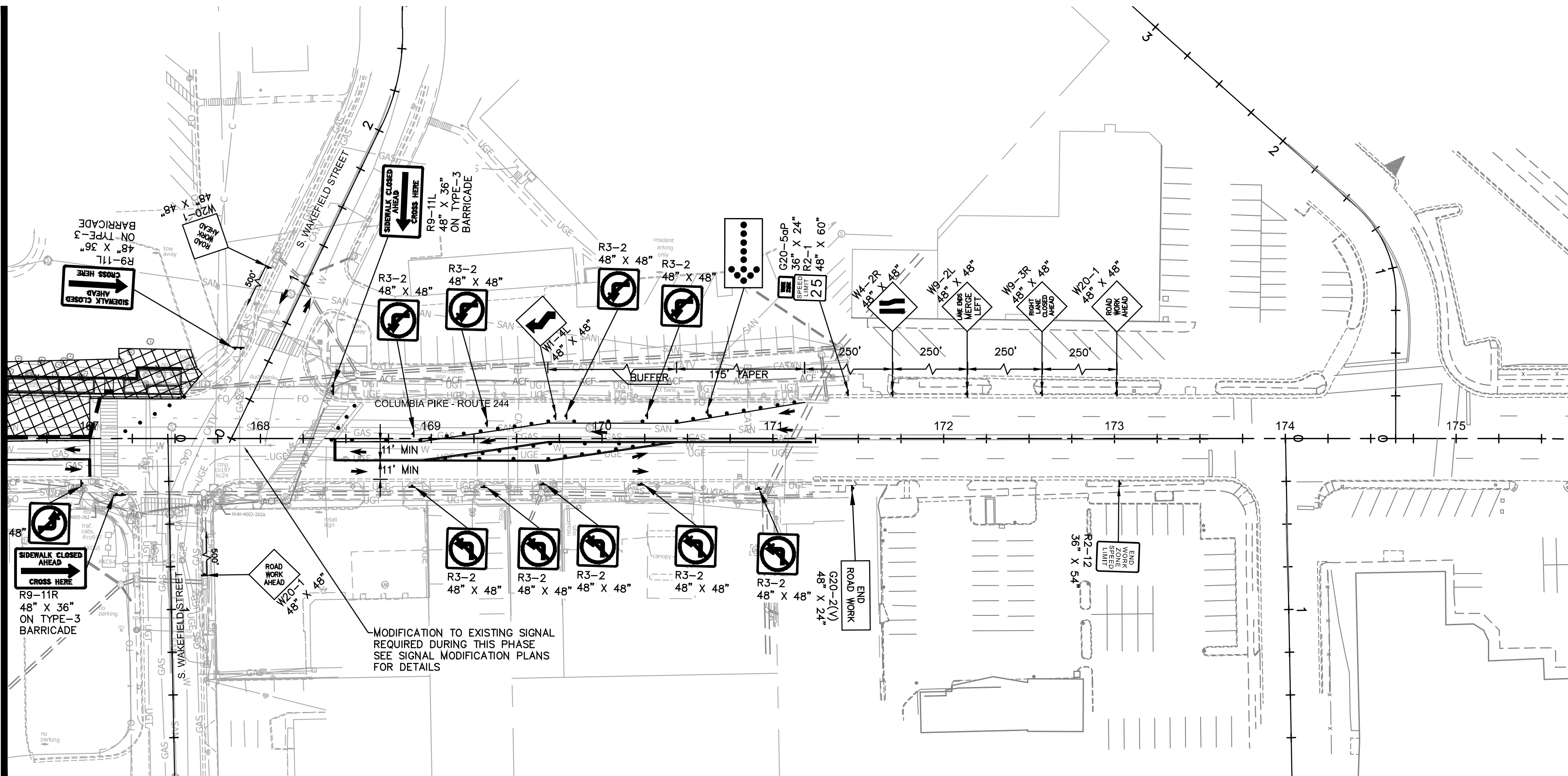
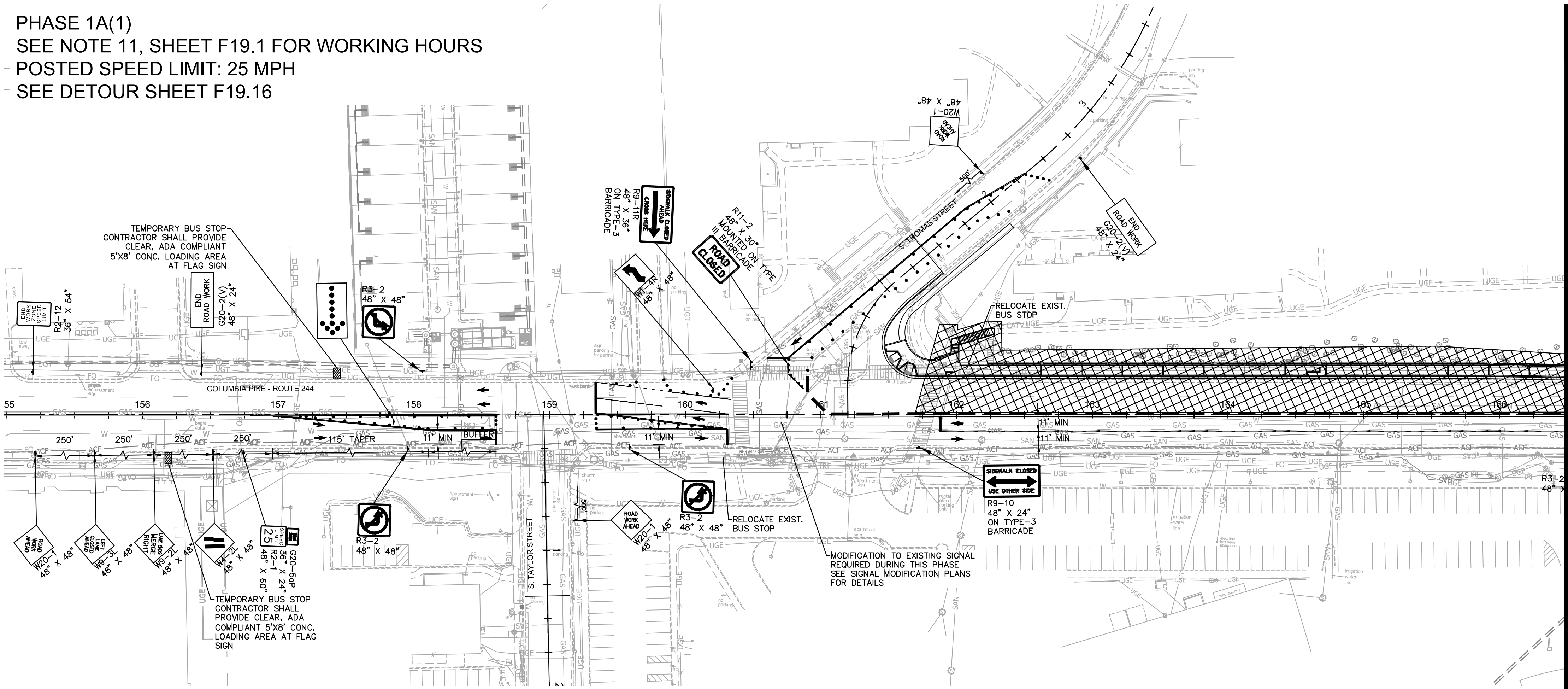
10. Temporary pavement markers, at a 40° center to corner geometry, may be added to the longest section between two permanent markers.

11. PTMS may be used to enhance temporary traffic control (PTMC) for event coverage (PTMS and Figure TTC-60). Low-intensity retroreflective tape may not be used in long-term situations. See Section 60.09 and TTC-62.

1: Revision 1 – 6/13/2013; 2: Revision 1 – 6/1/2009

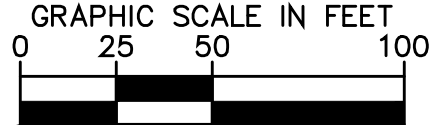
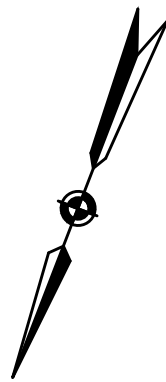
Page 533-534
and Closure Operation on a Multi-Lane Roadway
(Figure TTC-41.2)

PHASE 1A(1)
SEE NOTE 11, SHEET F19.1 FOR WORKING HOURS
POSTED SPEED LIMIT: 25 MPH
SEE DETOUR SHEET F19.16



NOTES:

1. TEMPORARY BUS STOPS SHALL FOLLOW ALL ADA-COMPLIANT GUIDELINES. THE PAD SHALL BE MADE OF ASPHALT MEASURING 5 FEET PARALLEL AND 8 FEET PERPENDICULAR TO THE ROADWAY. RESTRICT PARKING FOR 70 FEET BEFORE AND 30 FEET AFTER AN INSTALLED TEMPORARY BUS STOP.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL TEMPORARY PEDESTRIAN CROSSINGS MEET ADA STANDARDS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL AREAS OF WORK ARE INCLUDED WITHIN MOT WORK ZONES AND ARE PROTECTED PER THE LATEST VERSION OF THE VA WAPM.
4. NO CONSTRUCTION VEHICLE OR EQUIPMENT MAY BE PLACED SUCH THAT IT EXTENDS INTO ACTIVE TRAVEL LANES/INTERSECTIONS AT ANY TIME UNLESS ENTERING/EXITING THE WORK AREA.
5. A SHADOW VEHICLE WITH EITHER A TYPE B OR C 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. BUS STOPS ARE TO BE RETURNED TO ORIGINAL LOCATION UPON COMPLETION OF EACH STAGE UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL MAINTAIN RECTANGULAR RAPID FLASHING BEACON (RRFB) DURING CONSTRUCTION.
8. WORK ZONE AND TEMPORARY TRAFFIC CONTROLS MAY BE ADJUSTED BY INSPECTOR FOR SAFETY REASONS AT ANY TIME.
9. BUS STOP SHELTERS TO BE DISPOSED OF AFTER FINAL TEMPORARY RELOCATION UNLESS OTHERWISE NOTED. IF SHELTER IS NOTED FOR SALVAGE, IT SHALL BE INSTALLED AT A FINAL TRANSIT STATION LOCATION AS DIRECTED BY THE COUNTY.
10. THE CONTRACTOR SHALL COORDINATE ALL BUS STOP RELOCATIONS AND CLOSURES WITH ARLINGTON COUNTY AND WMATA 4 WEEKS MINIMUM IN ADVANCE OF IMPLEMENTING THE TRAFFIC CONTROL SHOWN. COUNTY TRANSIT CONTACT: DIANE TRENT (703-228-3049).
11. ADA ACCESSIBILITY MEASURES MAY INCLUDE TEMPORARY ASPHALT RAMP TO BE NO GREATER THAN 5% GRADE FROM ROAD SURFACE TO SIDEWALK ELEVATION, WITH 4" PVC PIPE PLACED IN FLOW LINE OF GUTTER TO MAINTAIN DRAINAGE.
12. CHANNELIZING DEVICES MAY NEED TO BE ADJUSTED IN THE FIELD TO ACCOMMODATE BUS TURNING MOVEMENTS. BUS TURNING MOVEMENTS SHOULD BE ACCOMMODATED WITHIN THE WORK LIMITS WHENEVER POSSIBLE. CONTRACTOR TO MAINTAIN PRIVATE AND COMMERCIAL DRIVEWAY ACCESS WITHIN THE WORK ZONE AT ALL TIMES. IF A DRIVEWAY MUST BE TEMPORARILY CLOSED THE CONTRACTOR SHALL NOTIFY THE COUNTY AND OWNER A MIN. OF 7 DAYS IN ADVANCE.
13. WHERE SPECIFICALLY IDENTIFIED, AREA TO BE CONSTRUCTED UNDER SHORT-TERM FLAGGING OPERATION. SIGNAL MUST BE TURNED OFF, AND INTERSECTION UNDER POLICE CONTROL. AREA SHALL BE RETURNED TO TEMP. PAVEMENT OR PLATED AT END OF EACH WORK PERIOD AND RE-OPENED TO TRAFFIC. CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY AND POLICE PRIOR TO BEGINNING WORK IN THIS AREA.



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1A MAINTENANCE OF TRAFFIC
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1"=50' SHEET: F19.3 of F19.31



DEPARTMENT OF
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Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: EJD
Drawn: OCD
Checked: MRA
Miss Utility Transmittal #:

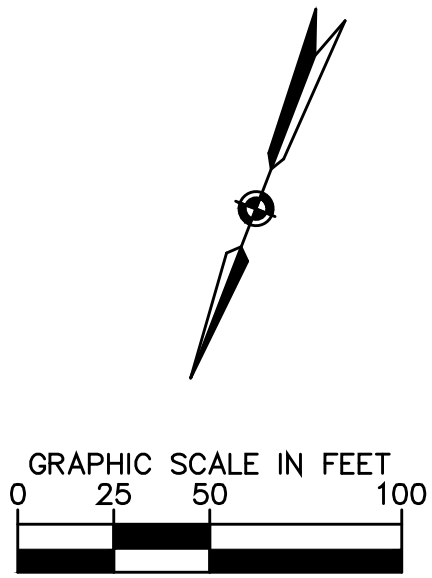
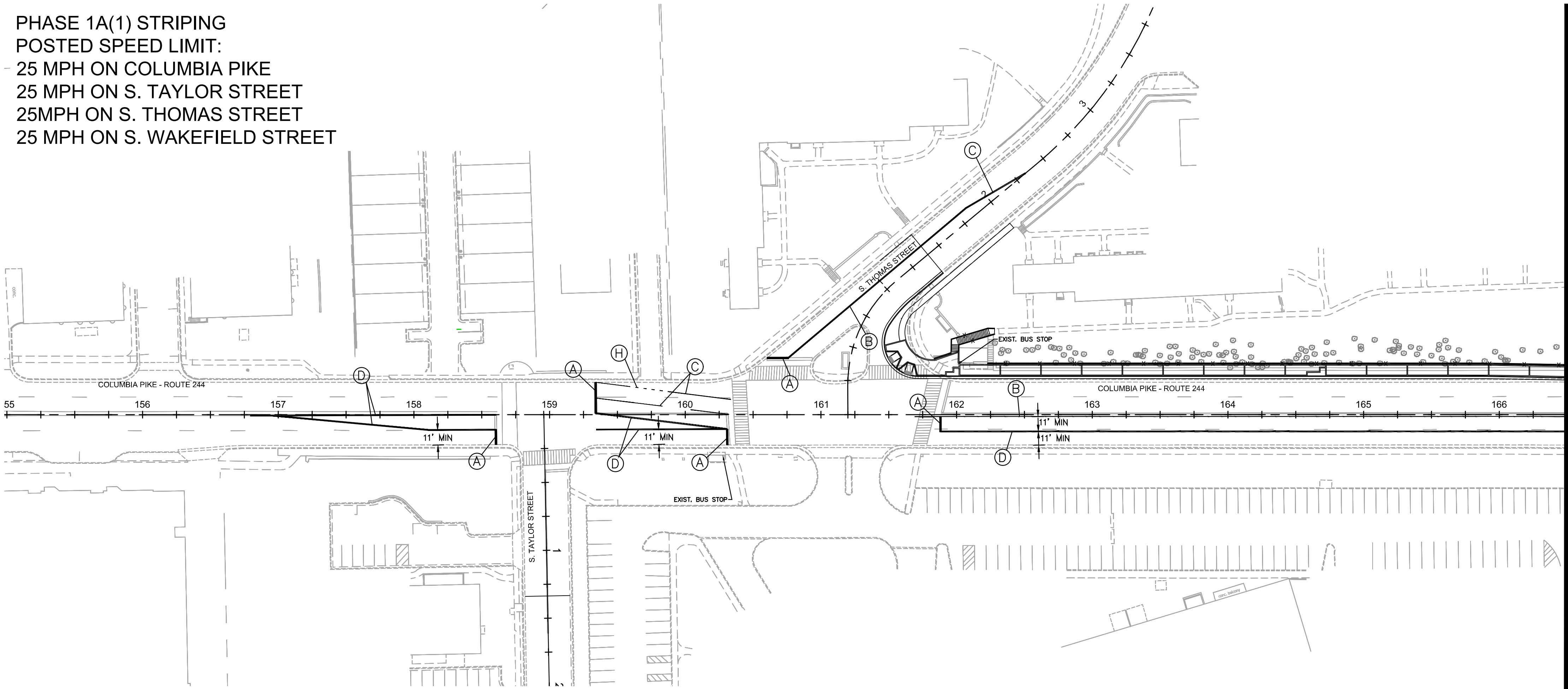
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Plotted: September 02, 2021
Plotted by: patrick.husted



DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

PHASE 1A(1) STRIPING
POSTED SPEED LIMIT:
25 MPH ON COLUMBIA PIKE
25 MPH ON S. TAYLOR STREET
25MPH ON S. THOMAS STREET
25 MPH ON S. WAKEFIELD STREET



DEPARTMENT OF
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Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: EJD
Drawn: OCD
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-MOT-PH1-STRP.dwg
Path: \\F:\2021\Design of Columbia Pike Segments\Segment F\1-100%
Plotted: September 02, 2021
Plotted by: patrick.husted

PAVEMENT MARKING LEGEND

PAVEMENT MARKING TYPE	DESCRIPTION
(A) TYPE B CLASS 1: WHITE 18" WIDTH.....	STOP BARS
(B) TYPE B CLASS 1: WHITE 6" WIDTH.....	EDGELINES, TRANSVERSE CROSSWALKS
(C) TYPE B CLASS 1: WHITE 8" WIDTH.....	EDGELINE TAPERS
(D) TYPE B CLASS 1: YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING.....	CENTERLINES
(E) TYPE B CLASS 1: YELLOW 4" WIDTH, DOUBLE 2' LINE, 4' SPACE.....	MINI-SKIP, INTERSECTIONS
(F) TYPE B CLASS 1: YELLOW 8" WIDTH.....	EDGELINE TAPERS
(G) TYPE B CLASS 1: YELLOW 6" WIDTH.....	EDGELINES
(H) TYPE B CLASS 1: WHITE 6" WIDTH, 2' LONG, 4' SPACING.....	MINI-SKIP
(I) TYPE B CLASS 1: WHITE 6" WIDTH, 10' LONG, 30' SPACING.....	SKIPS
(K) TYPE B CLASS 1: TURN LANE ARROW.....	TURN LANE

NOTES:

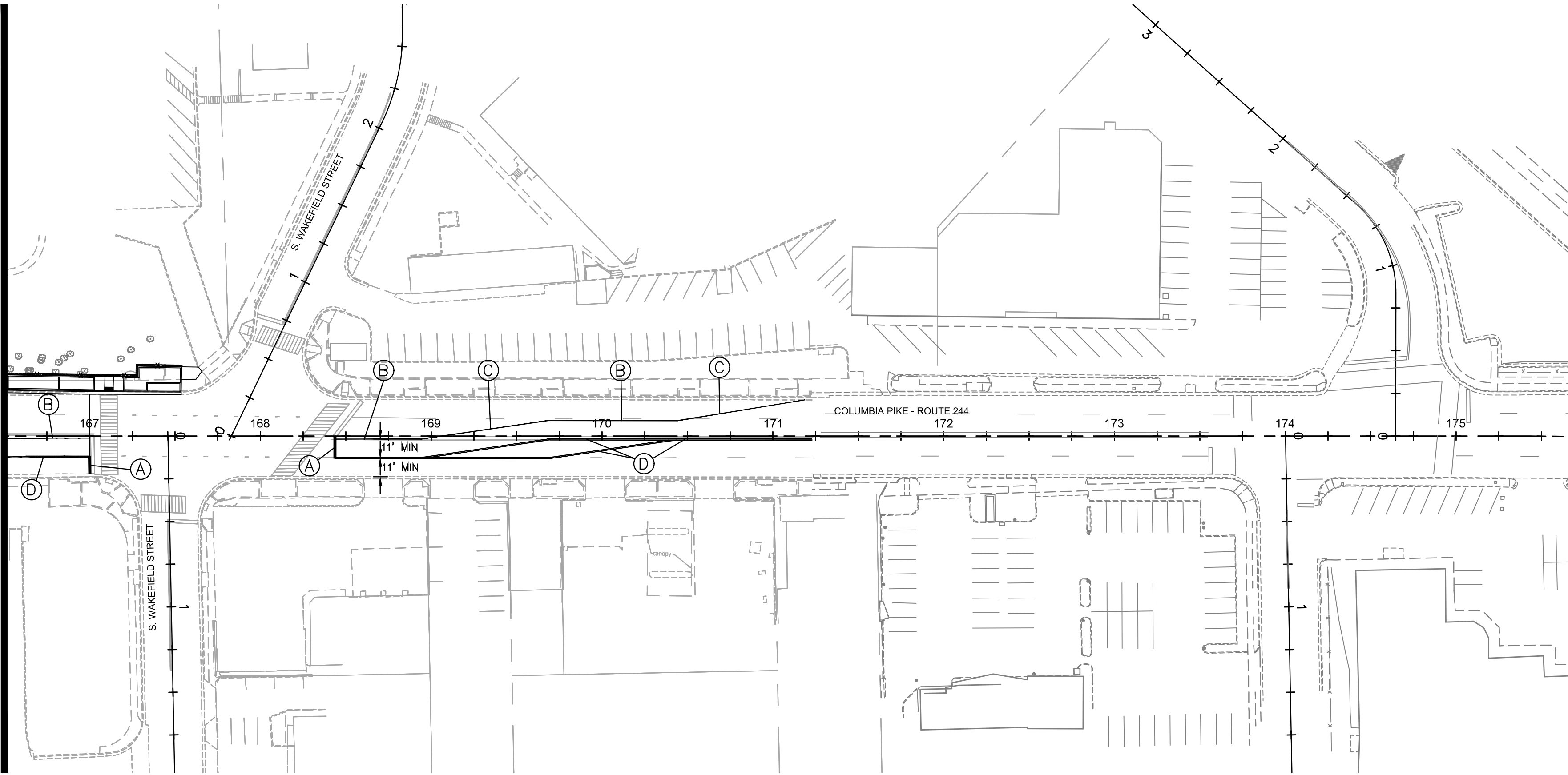
- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED TEMPORARY MARKINGS ARE TO BE FULLY ERADICATED OR AT MINIMUM FULLY COVERED USING CORROSION RESISTANT, NON-REFLECTIVE BLACK-OUT ADHESIVE TAPE.
- STREET WIDTH MEASURED FROM FACE OF CURB TO FACE OF CURB. LANE WIDTH MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
- STOP BARS SHALL BE A MIN. OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF NO CROSSWALK PRESENT, STOP BAR SHALL BE A MAX. 30' FROM THE NEAREST EDGE OF INTERSECTED TRAVELED WAY.

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1A STRIPING
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: AS SHOWN SHEET: F19.3.1 of F19.31

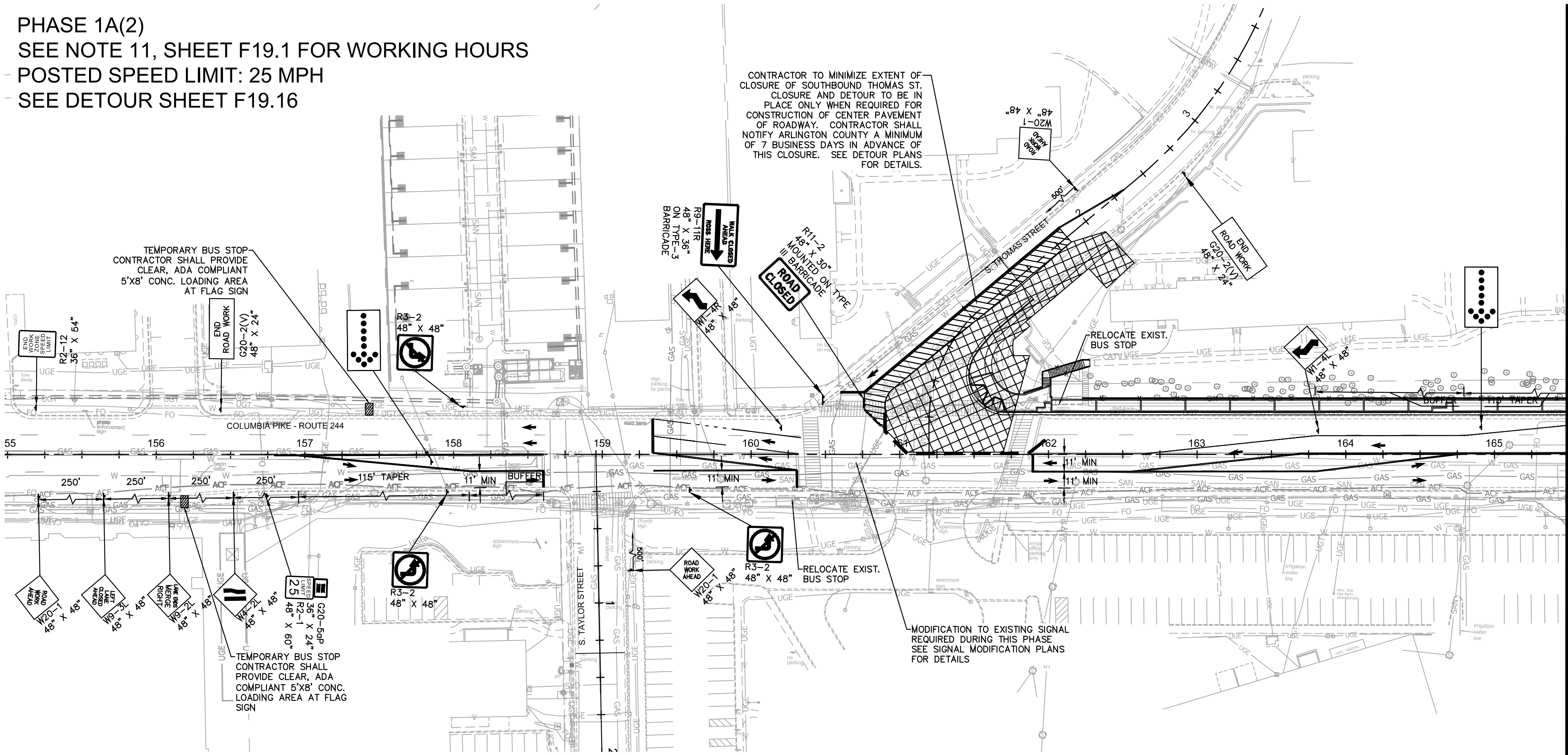
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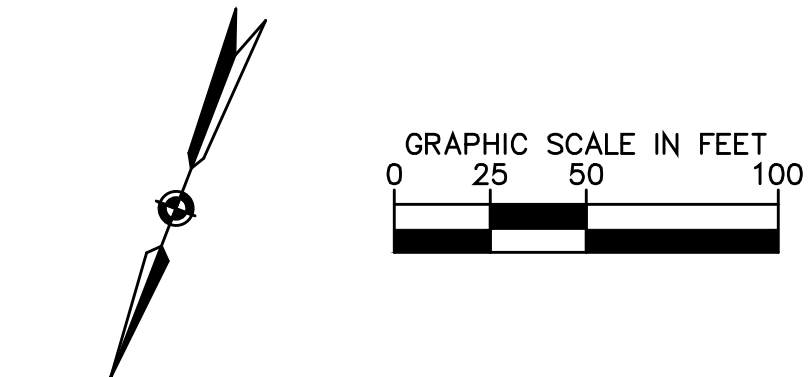
DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

PHASE 1A(2)
SEE NOTE 11, SHEET F19.1 FOR WORKING HOURS
POSTED SPEED LIMIT: 25 MPH
SEE DETOUR SHEET F19.16



- NOTES:
1. TEMPORARY BUS STOPS SHALL FOLLOW ALL ADA-COMPLIANT GUIDELINES. THE PAD SHALL BE MADE OF ASPHALT MEASURING 5 FEET PARALLEL AND 8 FEET PERPENDICULAR TO THE ROADWAY. RESTRICT PARKING FOR 70 FEET BEFORE AND 30 FEET AFTER AN INSTALLED TEMPORARY BUS STOP.
 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL TEMPORARY PEDESTRIAN CROSSINGS MEET ADA STANDARDS.
 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL AREAS OF WORK ARE INCLUDED WITHIN MOT WORK ZONES AND ARE PROTECTED PER THE LATEST VERSION OF THE VA WAPM.
 4. NO CONSTRUCTION VEHICLE OR EQUIPMENT MAY BE PLACED SUCH THAT IT EXTENDS INTO ACTIVE TRAVEL LANES/INTERSECTIONS AT ANY TIME UNLESS ENTERING/EXITING THE WORK AREA.
 5. A SHADOW VEHICLE WITH EITHER A TYPE B OR C 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. BUS STOPS ARE TO BE RETURNED TO ORIGINAL LOCATION UPON COMPLETION OF EACH STAGE UNLESS OTHERWISE NOTED.
 7. THE CONTRACTOR SHALL MAINTAIN RECTANGULAR RAPID FLASHING BEACON (RRFB) DURING CONSTRUCTION.
 8. WORK ZONE AND TEMPORARY TRAFFIC CONTROLS MAY BE ADJUSTED BY INSPECTOR FOR SAFETY REASONS AT ANY TIME.
 9. BUS STOP SHELTERS TO BE DISPOSED OF AFTER FINAL TEMPORARY RELOCATION UNLESS OTHERWISE NOTED. IF SHELTER IS NOTED FOR SALVAGE, IT SHALL BE INSTALLED AT A FINAL TRANSIT STATION LOCATION AS DIRECTED BY THE COUNTY.
 10. THE CONTRACTOR SHALL COORDINATE ALL BUS STOP RELOCATIONS AND CLOSURES WITH ARLINGTON COUNTY AND WMATA 4 WEEKS MINIMUM IN ADVANCE OF IMPLEMENTING THE TRAFFIC CONTROL SHOWN. COUNTY TRANSIT CONTACT: DIANE TRENT (703-228-3049)
 11. ADA ACCESSIBILITY MEASURES MAY INCLUDE TEMPORARY ASPHALT RAMP TO BE NO GREATER THAN 5% GRADE FROM ROAD SURFACE TO SIDEWALK ELEVATION, WITH 4" PVC PIPE PLACED IN FLOW LINE OF GUTTER TO MAINTAIN DRAINAGE.
 12. CHANNELIZING DEVICES MAY NEED TO BE ADJUSTED IN THE FIELD TO ACCOMMODATE BUS TURNING MOVEMENTS. BUS TURNING MOVEMENTS SHOULD BE ACCOMMODATED WITHIN THE WORK LIMITS WHENEVER POSSIBLE. CONTRACTOR TO MAINTAIN PRIVATE AND COMMERCIAL DRIVEWAY ACCESS WITHIN THE WORK ZONE AT ALL TIMES. IF A DRIVEWAY MUST BE TEMPORARILY CLOSED THE CONTRACTOR SHALL NOTIFY THE COUNTY AND OWNER A MIN. OF 7 DAYS IN ADVANCE.
 13. WHERE SPECIFICALLY IDENTIFIED, AREA TO BE CONSTRUCTED UNDER SHORT-TERM FLAGGING OPERATION. SIGNAL MUST BE TURNED OFF, AND INTERSECTION UNDER POLICE CONTROL. AREA SHALL BE RETURNED TO TEMP. PAVEMENT OR PLATED AT END OF EACH WORK PERIOD AND RE-OPENED TO TRAFFIC. CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY AND POLICE PRIOR TO BEGINNING WORK IN THIS AREA.



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1A(2) MAINTENANCE OF TRAFFIC
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1"=50' SHEET: F19.3.2 of F19.31



DEPARTMENT OF
ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
2100 Clarendon Boulevard, Suite 813
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Phone: 703.228.3629
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Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: EJD
Drawn: OCD
Checked: MRA
Miss Utility Transmittal #:

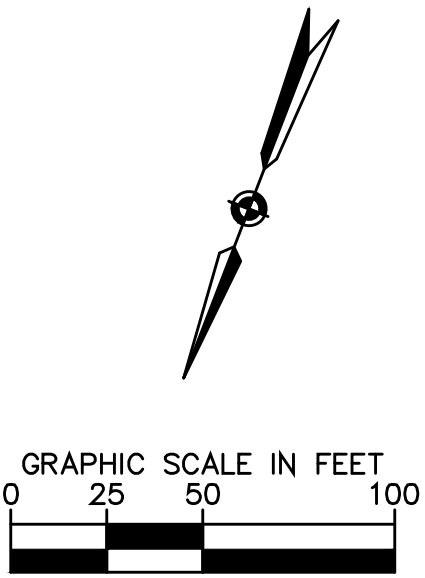
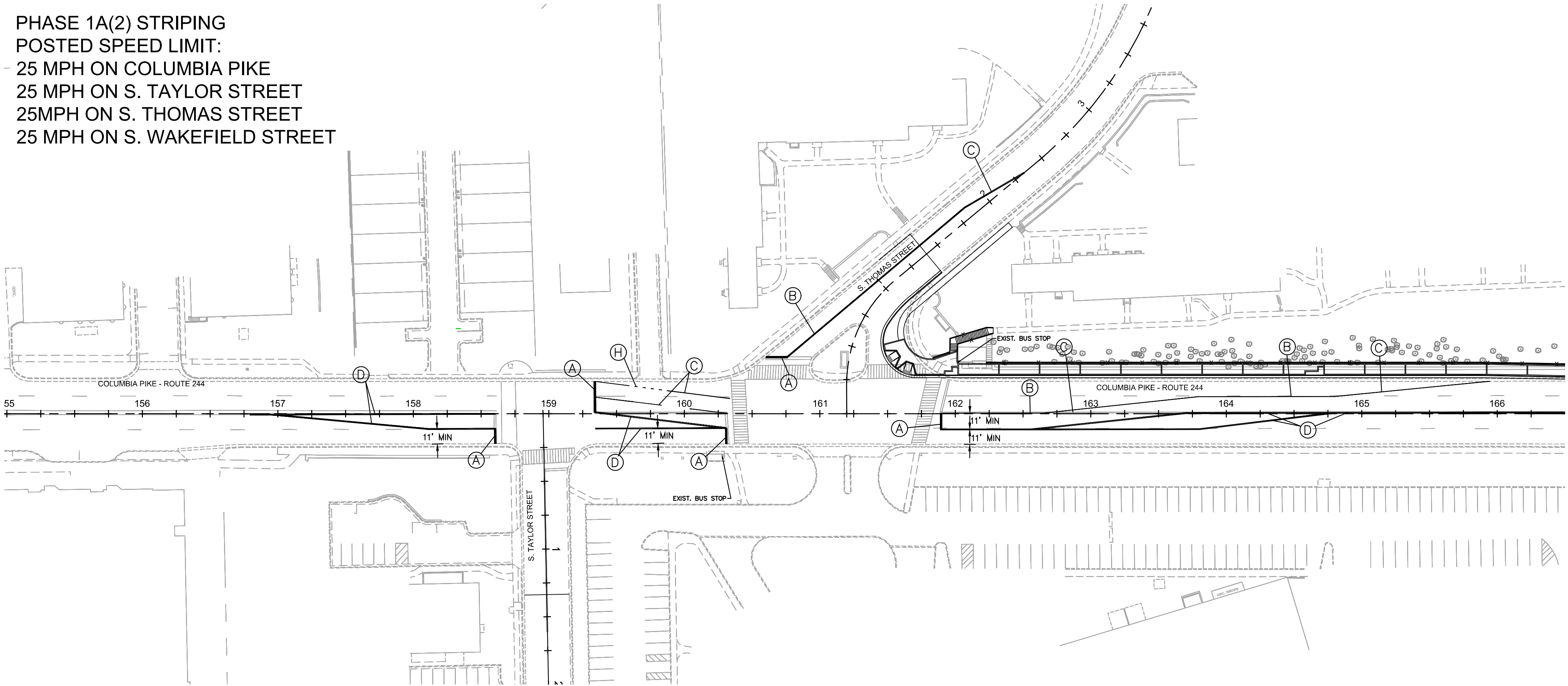
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Path: C:\Users\patrick.husted\AppData\Local\Temp\1\010073-F-MOT-PH1.dwg
Plotted: September 02, 2021
Plotted by: patrick.husted



DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

PHASE 1A(2) STRIPING
POSTED SPEED LIMIT:
25 MPH ON COLUMBIA PIKE
25 MPH ON S. TAYLOR STREET
25MPH ON S. THOMAS STREET
25 MPH ON S. WAKEFIELD STREET





ARLINGTON
VIRGINIA

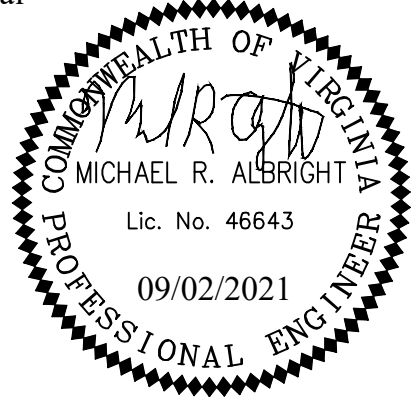
DEPARTMENT OF
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Seal



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions	Date

Designed: _____
Drawn: _____
Checked: _____
Miss Utility Transmittal #: _____

Filename: 010073-F-MOT-PH1-STRP.dwg
Path: \\F:\2021\Design\Arlington\Phase 1A(2) Columbia Pike Multimodal\Production\Task 1 - Final Design of Columbia Pike Segment\Segment F\1 - 100% Design\PlanSheet
Plotted: September 02, 2021
Plotted by: patrick.husted

PAVEMENT MARKING LEGEND

PAVEMENT MARKING TYPE	DESCRIPTION
(A) TYPE B CLASS 1: WHITE 18" WIDTH.....STOP BARS	
(B) TYPE B CLASS 1: WHITE 6" WIDTH.....EDGELINES, TRANSVERSE CROSSWALKS	
(C) TYPE B CLASS 1: WHITE 8" WIDTH.....EDGELINE TAPERS	
(D) TYPE B CLASS 1: YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING.....CENTERLINES	
(E) TYPE B CLASS 1: YELLOW 4" WIDTH, DOUBLE 2' LINE, 4' SPACE.....MINI-SKIP, INTERSECTIONS	
(F) TYPE B CLASS 1: YELLOW 8" WIDTH.....EDGELINE TAPERS	
(G) TYPE B CLASS 1: YELLOW 6" WIDTH.....EDGELINES	
(H) TYPE B CLASS 1: WHITE 6" WIDTH, 2' LONG, 4' SPACING.....MINI-SKIP	
(I) TYPE B CLASS 1: WHITE 6" WIDTH, 10' LONG, 30' SPACING.....SKIPS	
(K) TYPE B CLASS 1: TURN LANE ARROW.....TURN LANE	

NOTES:

- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED TEMPORARY MARKINGS ARE TO BE FULLY ERADICATED OR AT MINIMUM FULLY COVERED USING CORROSION RESISTANT, NON-REFLECTIVE BLACK-OUT ADHESIVE TAPE.
- STREET WIDTH MEASURED FROM FACE OF CURB TO FACE OF CURB. LANE WIDTH MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
- STOP BARS SHALL BE A MIN. OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF NO CROSSWALK PRESENT, STOP BAR SHALL BE A MAX. 30' FROM THE NEAREST EDGE OF INTERSECTED TRAVELED WAY.

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1A(2) STRIPING
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: AS SHOWN SHEET: F19.3.3 of F19.31



ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES



LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE