

MATCHLINE STA: 81+50 - SEE SHEET C18.3

MATCHLINE STA: 76+50 - SEE SHEET C18.1

- SIGNING 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 AND SIGNAGE TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
    - THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
    - 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.
  - 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 3 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.
  - 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.

**SIGN LEGEND**

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

**SIGN LABELS**

PROPOSED SIGN: [3] NEW LOCATION

EXISTING SIGN TO BE RELOCATED: [3] NEW LOCATION, [3] EXISTING LOCATION

**SYMBOLS**

EXIST. BUS STOP, PROP. BUS STOP, EXIST. FIRE HYDRANT, PROP. FIRE HYDRANT

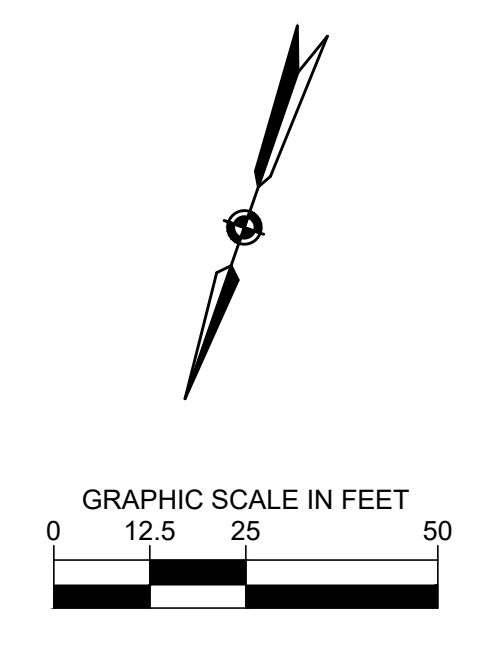
**HIGH VISIBILITY CROSSWALK**

2' 2'

**SIGN SCHEDULE**

SIGN NUMBER	1	2	3	4	5	6	7	8	9
SIGN	EXISTING SIGN (VARIES - SEE CALLOUT)								
MUTCD NO.	-	W11-2 W16-7PL	W11-2 W16-7PR	R4-7	R1-1	R2-1	R2-1	R3-1	R3-2
DIM.	-	36" x 36" 24" x 12"	36" x 36" 24" x 12"	24" x 30"	36" x 36"	30" x 36"	30" x 36"	36" x 36"	36" x 36"
SIGN NUMBER	10	11	12	13	14	15	16	17	
SIGN									
MUTCD NO.	R5-1	R6-1R	R7-108	R7-108R	R7-108L	W11-2	R10 (NON STANDARD)	W11-2 W16-9P	
DIM.	36" x 36"	54" x 18"	12" x 18"	12" x 18"	12" x 18"	36" x 36"	30" x 30"	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: YELLOW 4" WIDTH, DOUBLE LINE, 2' LONG, 4' SPACING.....CENTERLINES
  - (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
  - (R) TYPE B CLASS 1: WHITE 24"x36" YIELD SYMBOL/LINE .....YIELD BARS
  - (S) TYPE B CLASS 1: WHITE 4" WIDTH.....APPROACH LINES, PARKING STALL LINES
  - (T) TYPE B CLASS 1: WHITE HANDICAP PARKING SYMBOL.....HANDICAP PARKING SPACES



**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

**Kimley»Horn**  
Kimley-Horn and Associates, Inc.

© 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
11400 Commerce Park Drive, Suite 400  
Reston, Virginia 20191  
Phone: 703-874-1300  
Fax: 703-874-1300

Seal

Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

Designed: PNH  
Drawn: PNH  
Checked: EJD  
Miss Utility Transmittal #:

Filename: 010073-C-SM.dwg  
Path: S:\DATA\0000\010073\010073\_Columbia\_Pike\_Multimodal\Production\Drawings\010073-C-SM.dwg  
Design: PNH  
Plotted: September 29, 2022  
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 C  
STA. 76+50 TO STA. 81+50

SCALE: HOR. 1" = 25' VERT. N/A SHEET: C18.2 of C18.4

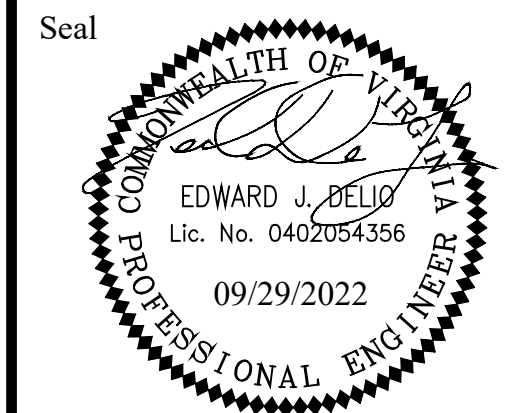
**ARLINGTON VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL SERVICES

*Ted DeLio*  
BUREAU CHIEF, DES. DEVELOPMENT SERVICES

11/15/2022  
APPROVAL DATE





Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

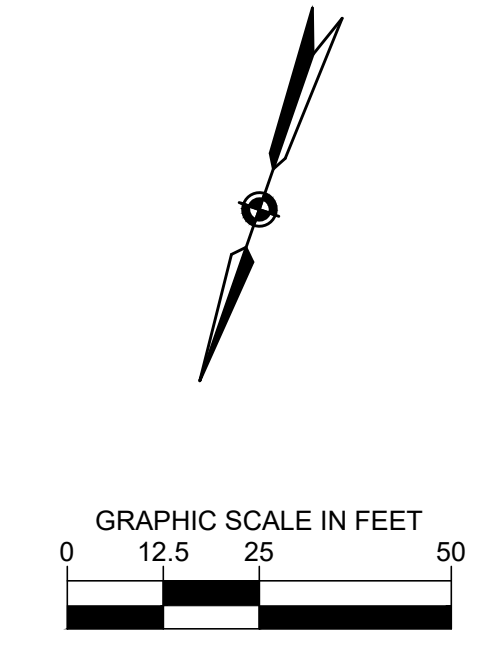
Revisions \_\_\_\_\_ Date \_\_\_\_\_

Designed: PNH  
 Drawn: PNH  
 Checked: EJD  
 Miss Utility Transmittal #:

Filename: 010073-C-SM.dwg  
 Path: S:\VA\_A\2022\11\08\0071 Columbia Pike Multimodal/Professional/010073-C-SM.dwg  
 Design/Plot/Sheet: 11/15/2022  
 Plotted: September 29, 2022  
 Plotted by: Ted.DeLio

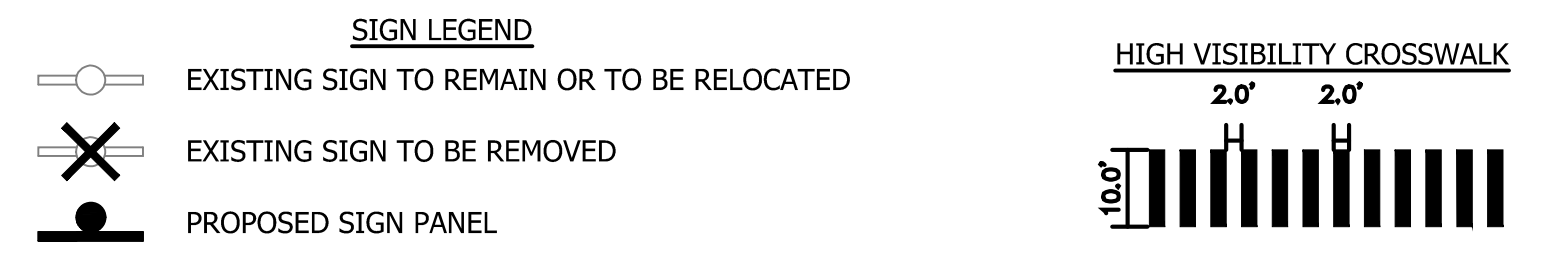
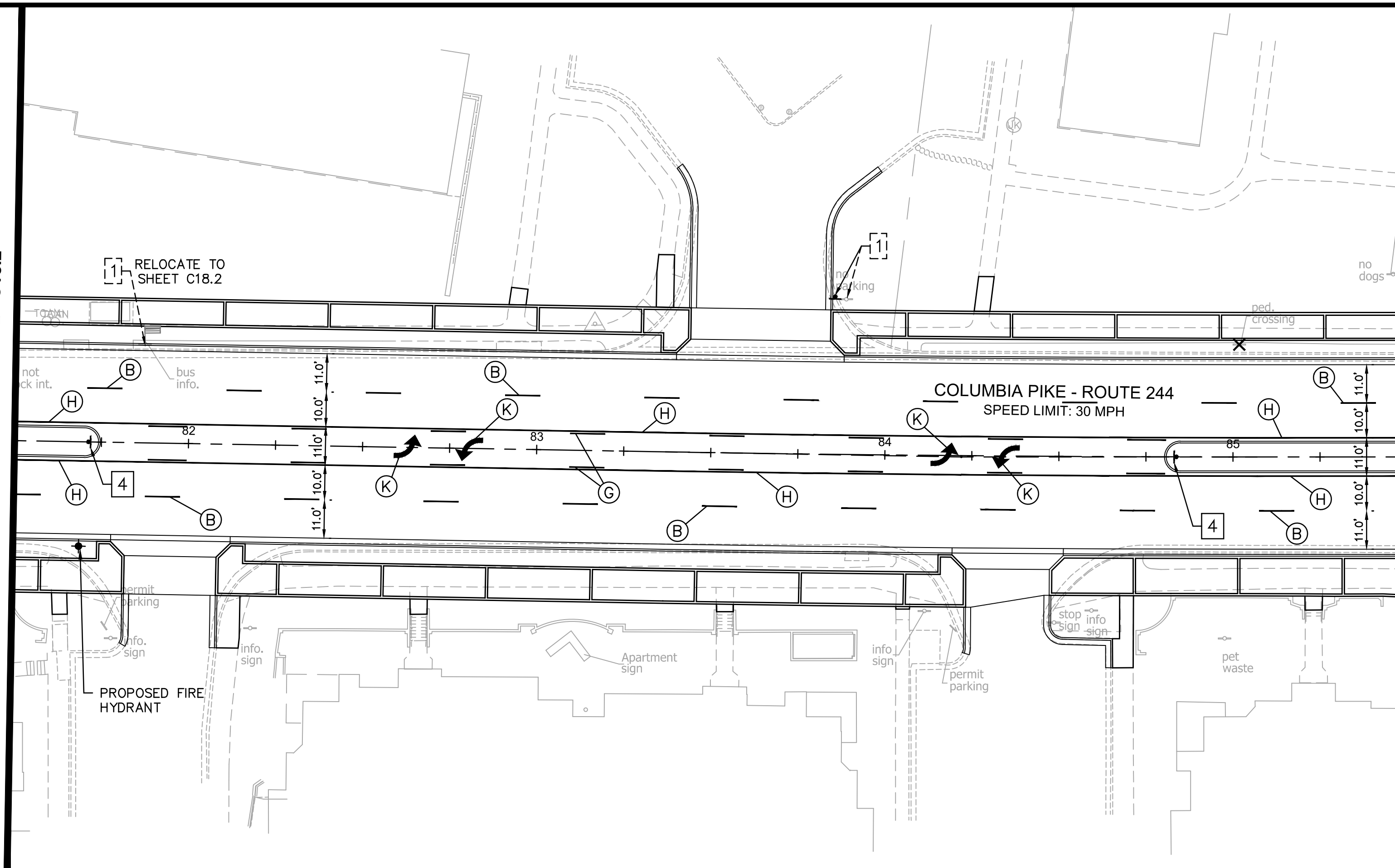
**SIGNING AND PAVEMENT MARKING NOTES:**

- 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 AND SIGNAGE 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.
- 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 3 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.
- 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.



MATCHLINE STA: 81+50 - SEE SHEET C18.2

MATCHLINE STA: 85+50 - SEE SHEET C18.4



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: YELLOW 4" WIDTH, DOUBLE LINE, 2' LONG, 4' SPACING....	CENTERLINES
(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
(R) TYPE B CLASS 1: WHITE 24"x36" YIELD SYMBOL/LINE.....	YIELD BARS
(S) TYPE B CLASS 1: WHITE 4" WIDTH.....	APPROACH LINES, PARKING STALL LINES
(T) TYPE B CLASS 1: WHITE HANDICAP PARKING SYMBOL.....	HANDICAP PARKING SPACES

ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

**SIGNING AND PAVEMENT MARKING PLAN**  
 COLUMBIA PIKE - ROUTE 244  
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT C  
 STA. 81+50 TO STA. 85+50

SCALE: HOR. 1" = 25' VERT. N/A	SHEET: C18.3 of C18.4
--------------------------------	-----------------------

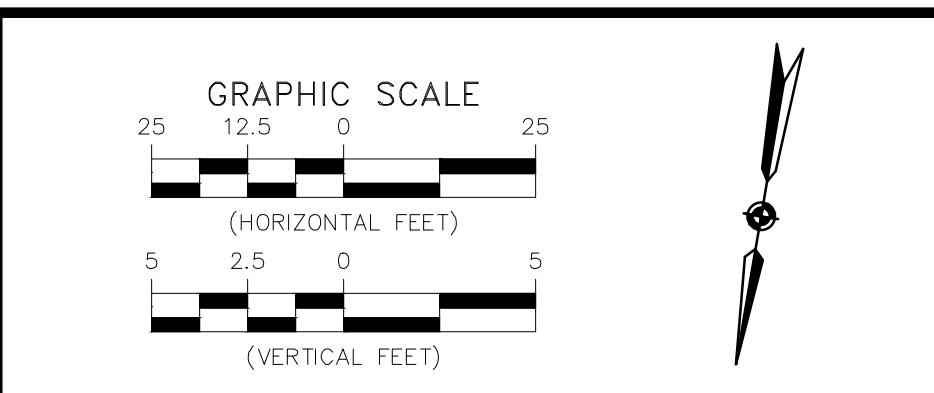
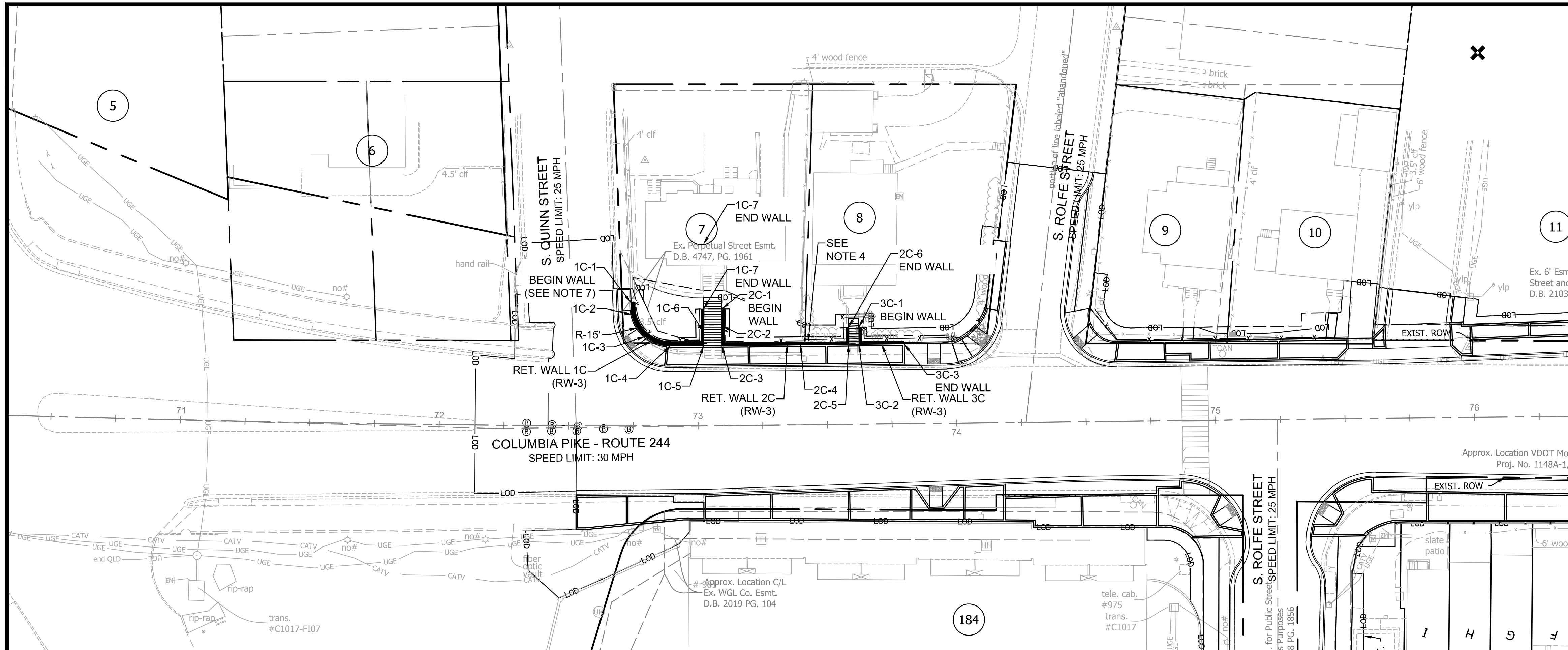










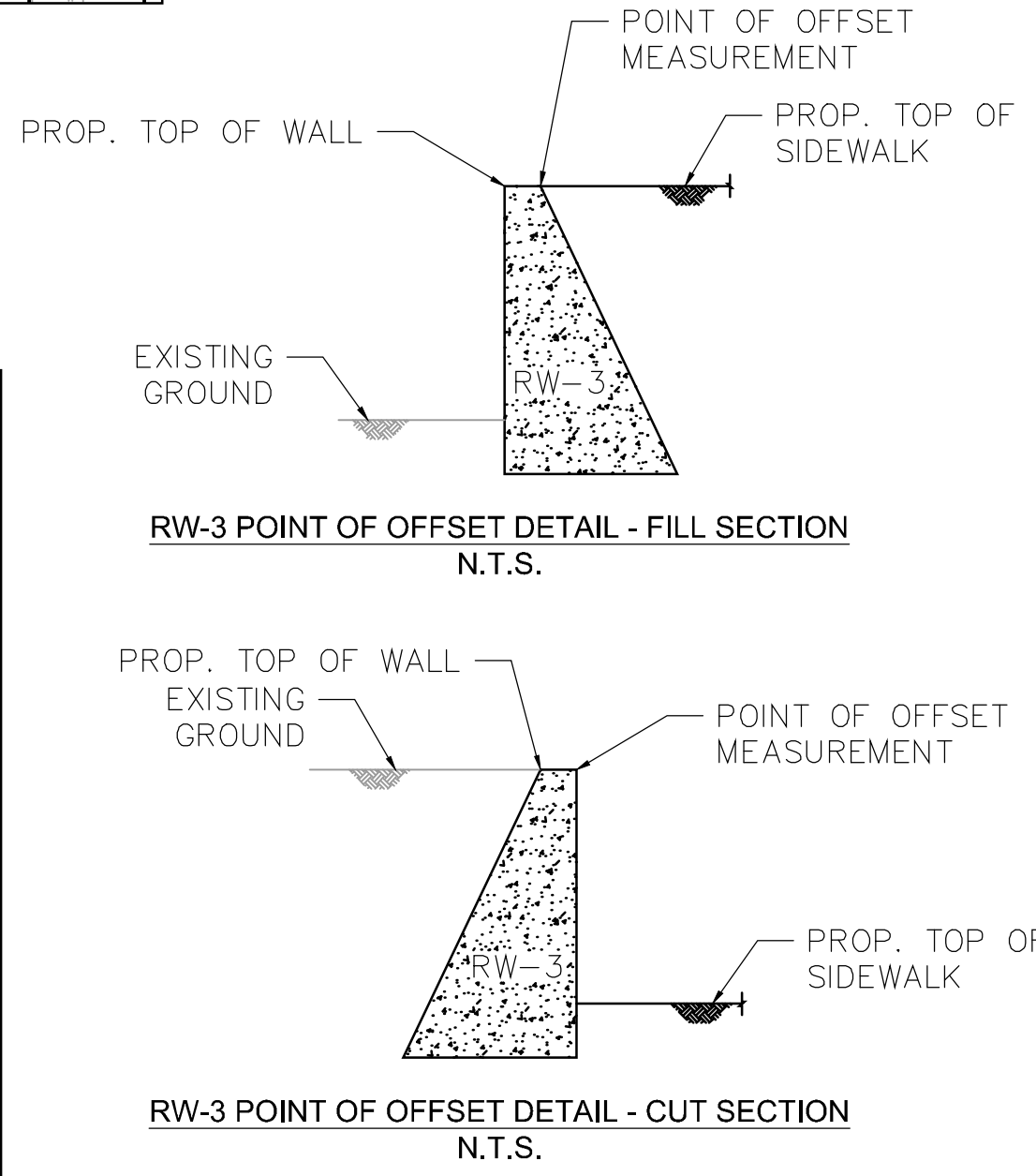
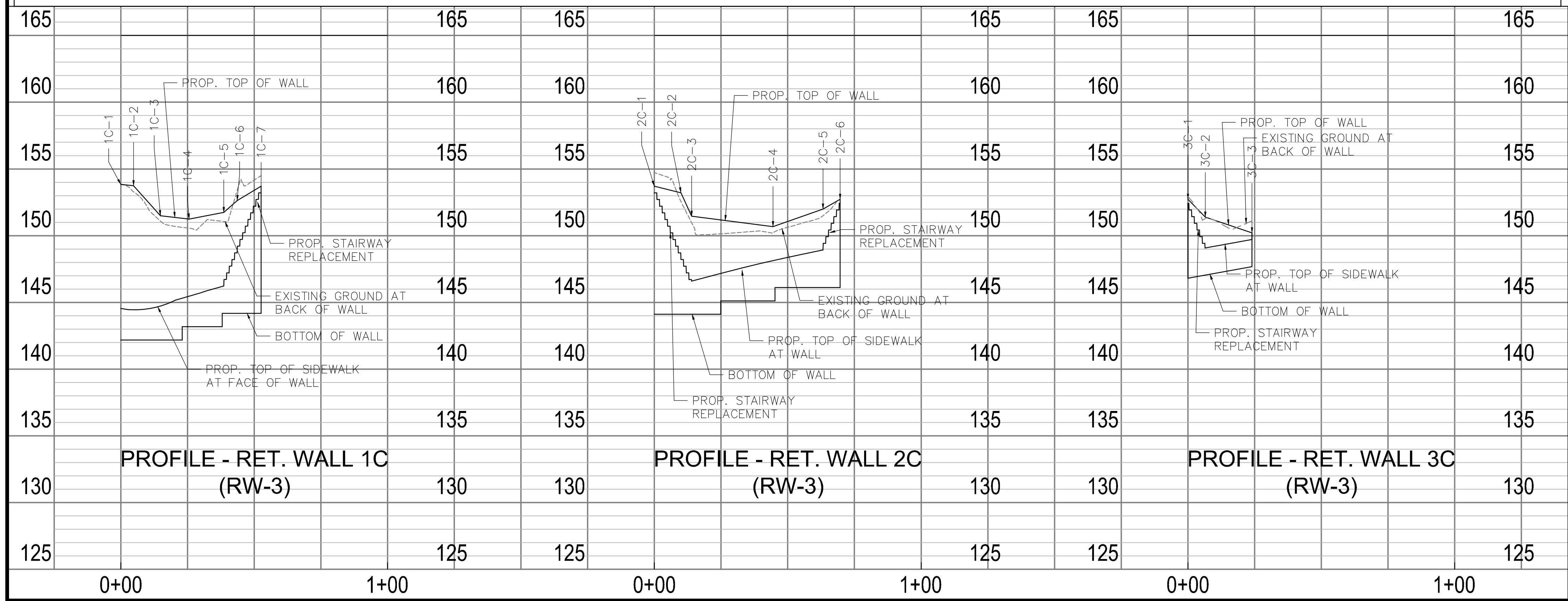


- NOTES:**
- SEE SHEET C20.1 FOR RETAINING WALL STANDARD DETAILS AND SPECIFICATIONS.
  - OFFSETS SHOWN FOR WALL GEOMETRY POINTS ARE MEASURED TO THE FACE OF WALL FROM THE RESPECTIVE ALIGNMENT USED. (SEE POINT OF OFFSET DETAIL - THIS SHEET).
  - RET. WALLS 1C AND 4C SHALL HAVE A VDOT STD. HR-1 HANDRAIL INSTALLED FOR THE ENTIRE LENGTH OF THE WALL (SEE DETAIL SHEET C20.1).
  - RET. WALL 2C SHALL HAVE A VDOT STD. HR-1 HANDRAIL INSTALLED BETWEEN POINT 2C-1 AND POINT 2C-4, AND SHALL HAVE NO HANDRAIL INSTALLED FROM POINT 2C-4 AND POINT 2C-6.
  - RET. WALL 3C SHALL HAVE NO HANDRAIL MOUNTED ALONG THE ENTIRE LENGTH OF THE WALL.
  - EXTEND EXISTING DOWNSPOUTS THROUGH RETAINING WALL.
  - FOR WALL 1C JOINT WITH EXISTING RUBBLE WALL, SEE WATERPROOFING JOINT DETAIL ON SHEET C20.3.

PROFILE POINT	ALIGNMENT	STATION	OFFSET	T.W. ELEV.	E.G. ELEV.
1C-1	COLUMBIA PIKE	72+74.03	47.66' L	153.84'	154.03'
1C-2	COLUMBIA PIKE	72+74.51	42.95' L	153.75'	153.76'
1C-3	COLUMBIA PIKE	72+76.64	37.83' L	151.50'	153.34'
1C-4	COLUMBIA PIKE	72+89.46	31.00' L	151.25'	150.70'
1C-5	COLUMBIA PIKE	72+02.33	31.00' L	151.75'	150.57'
1C-6	COLUMBIA PIKE	73+02.33	36.00' L	152.63'	151.06'
1C-7	COLUMBIA PIKE	73+02.33	45.00' L	153.72'	154.49'

PROFILE POINT	ALIGNMENT	STATION	OFFSET	T.W. ELEV.	E.G. ELEV.
2C-1	COLUMBIA PIKE	73+09.37	45.00' L	153.72'	154.74'
2C-2	COLUMBIA PIKE	73+09.37	38.52' L	153.22'	154.27'
2C-3	COLUMBIA PIKE	73+09.37	31.00' L	151.46'	150.96'
2C-4	COLUMBIA PIKE	73+39.90	31.00' L	150.69'	150.18'
2C-5	COLUMBIA PIKE	73+58.55	31.00' L	152.00'	151.49'
2C-6	COLUMBIA PIKE	73+58.55	37.44' L	152.73'	152.81'

PROFILE POINT	ALIGNMENT	STATION	OFFSET	T.W. ELEV.	E.G. ELEV.
3C-1	COLUMBIA PIKE	73+62.55	37.44' L	152.73'	152.95'
3C-2	COLUMBIA PIKE	73+62.55	31.00' L	151.40'	151.22'
3C-3	COLUMBIA PIKE	73+80.02	31.00' L	150.21'	151.11'



**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

**Kimley-Horn and Associates, Inc.**  
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 11400 Commerce Park Drive, Suite 400  
 Reston, Virginia 20191  
 Phone: 703-874-1500  
 Fax: 703-874-1500

Seal  
  
 EDWARD J. DELIO  
 Lic. No. 0402054366  
 09/27/2022  
 PROFESSIONAL ENGINEER

Approvals \_\_\_\_\_ Date \_\_\_\_\_  
 Design Team Engineer Supervisor \_\_\_\_\_  
 Construction Management Supervisor \_\_\_\_\_  
 Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_  
 Project Manager \_\_\_\_\_  
 Revisions \_\_\_\_\_ Date \_\_\_\_\_

Designed: TEC  
 Drawn: MAT  
 Checked: EJD  
 Miss Utility Transmittal #:  
 Filename: 010073-C-WALL.dwg  
 Path: 21 final\single\of\columbia\pkw\segment\c20.2 - 1794  
 Plotted: September 27, 2022  
 Plotted by: Miguel Tyshing

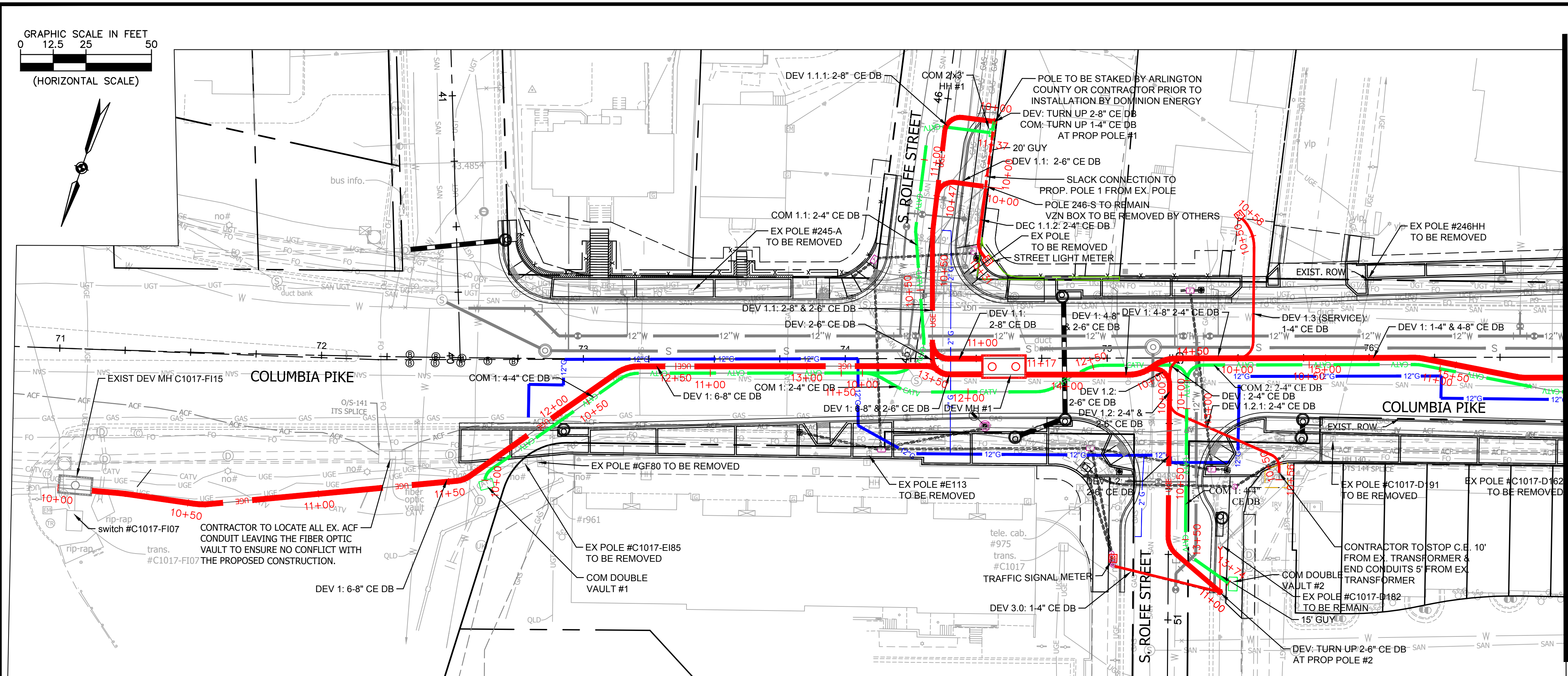
ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 RETAINING WALL ELEVATION PROFILES  
 COLUMBIA PIKE - ROUTE 244  
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT C  
 SCALE: AS SHOWN SHEET: C20.2 of C20.2

**ARLINGTON VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
  
 LUIS ARAYA  
 BUREAU CHIEF, DES - DEVELOPMENT SERVICES  
 11/15/2022  
 APPROVAL DATE









**LEGEND**

- UGE PROP. DOMINION ENERGY VA DUCT BANK
- CATV PROP. COMCAST DUCT BANK
- X" G PROP. GAS LINE BY WGL
- PROP. DOMINION ENERGY VA 6' x 12' x 7' MANHOLE
- PROP. DOMINION ENERGY VA 8' x 16' x 8' MANHOLE
- PROP. DOMINION ENERGY VA SWITCH CABINET
- PROP. METER BASE
- 20.00' PROP. DOMINION ENERGY VA POLE, GUY WIRE
- PROP. DOMINION ENERGY VA 78"x48"x30" SPLICE BOX
- PROP. COMCAST 36"x24"x36" HANDHOLE
- PROP. CLEAR ZONE FOR TRANSFORMER AND HANDHOLE ACCESS
- UGE EX. UNDERGROUND ELECTRIC
- UGT EX. UNDERGROUND TELECOMMUNICATION
- FO EX. UNDERGROUND FIBER OPTIC
- ACF EX. UNDERGROUND ARLINGTON COUNTY FIBER OPTIC
- CATV EX. UNDERGROUND CABLE
- GAS EX. GAS
- W EX. WATER
- SAN EX. SANITARY SEWER

**NOTES**

- MAINTAIN A MINIMUM 5' SEPARATION BETWEEN EXISTING POLES AND PROPOSED DUCTBANK AT ALL LOCATIONS.
- FACILITIES ARE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
- USE EXTREME CAUTION WHEN EXCAVATING UNDER AND NEAR OVERHEAD UTILITY WIRES.
- APPROVAL OF THIS CONCEPTUAL DRY UTILITY PLAN SHALL ALLOW FOR THE ISSUANCE OF RIGHT-OF-WAY PERMITS FOR INSTALLATION OF CONDUITS, MANHOLES, HANDHOLES, ETC., WHICH WILL BE CONSTRUCTED FOR THE UTILITY COMPANY'S USE. RIGHT-OF-WAY PERMIT FOR INSTALLATION OF DEV FACILITY SUCH AS POLES, CABLES, ELECTRICAL DEVICES (TRANSFORMERS AND SWITCH BOXES) SHALL NOT BE ISSUED BEFORE APPROVAL OF THE FINAL DRY UTILITY PLAN.
- THESE CONDUITS WERE PREPARED ON DATA COMPILED BY CIVIL ENGINEER OF RECORD. UNFORESEEN CIRCUMSTANCES MAY ARISE DURING THE CONSTRUCTION OF THIS DUCT BANK THAT MAY ALTER THE PLACEMENT OF PROPOSED CONDUIT/EQUIPMENT. FURTHERMORE, ANY UNKNOWN/KNOWN UTILITY LINES MAY BE ENCOUNTERED DURING THE CONSTRUCTION OF THIS DUCT BANK THAT ALSO MAY AFFECT THE PLACEMENT OF CONDUIT/EQUIPMENT. PLEASE CONSULT WITH THE APPROPRIATE DESIGN TEAM FOR ANY SITUATION ENCOUNTERED. IF NEEDED, TO DETERMINE, A VIABLE RESOLUTION AND PROPER COURSE OF ACTION.
- WASHINGTON GAS PROPOSED LINES ARE SHOWN FOR REFERENCE ONLY AND ARE TO BE INSTALLED BY OTHERS.
- WHERE MINIMUM VERTICAL CLEARANCES BETWEEN UTILITIES CANNOT BE MET, CONTRACTOR TO INSTALL CONCRETE PIERS AND/OR REINFORCED CONCRETE CRADLE PER ARLINGTON COUNTY STANDARD DRAWING M-7.0.

**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

**rda**  
**Rinker Design Associates, P.C.**  
11100 Endeavor Court, Suite 200, Manassas VA, 20109  
www.rdacivil.com  
Telephone: (703) 858-7373

Seal

Approvals

Design Team Engineer Supervisor \_\_\_\_\_ Date \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

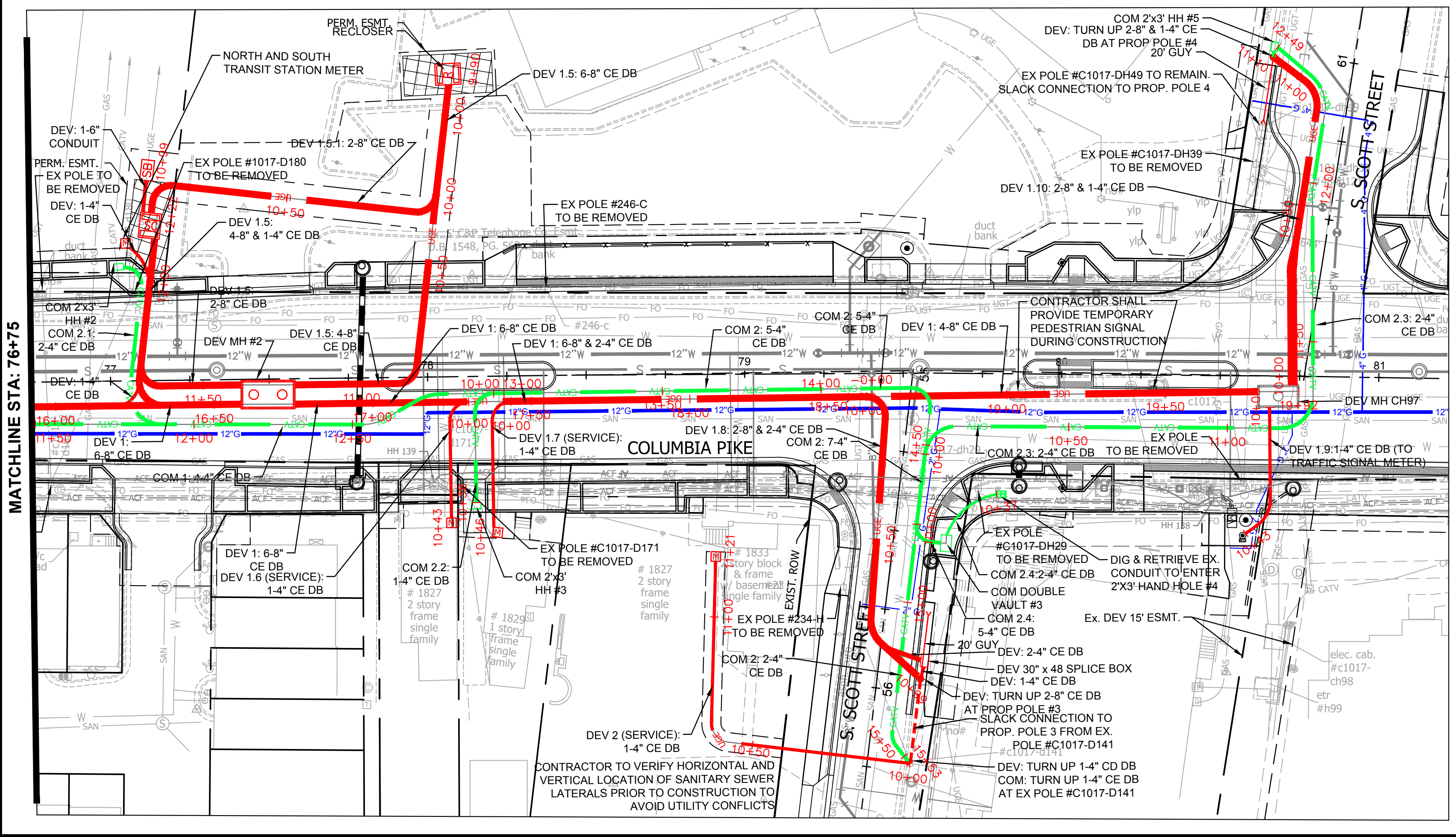
Project Manager \_\_\_\_\_

Revisions

Revisions	Date

Designed: SDD  
Drawn: CIC  
Checked: SDD  
Miss Utility Transmittal #:

Filename: 010073-C-DRY UTILITY PLAN.dwg  
Path: S:\work\10081\0001\002\Columbia Pike All Photos\Revised\010073-C-DRY UTILITY PLAN.dwg  
Plotted: November 07, 2022  
Plotted by: sdusza



Dominion Commitment/Conceptual Design Acceptance Letter

August 5, 2022

Mr. Daniel Commerford  
2100 Clarendon Blvd., Suite 800  
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements  
S. Quinn St to Court House Rd (Segment C)  
Arlington, VA

Dear Mr. Commerford:

Arlington County has developed a conceptual dry utility plan (attached) for the referenced project in conjunction with the site civil engineering plan. This dry utility plan dated August 3, 2022 considers the installation of a new underground utility system to accommodate the removal of the existing overhead utility wires and, utility poles that are adjacent to the site and/or permanent service to the buildings.

Dominion Energy of Virginia Power (DEV) has completed a conceptual review and profiles as shown on sheets D21.1-D21.5 and accepts the preliminary design of Columbia Pike Multimodal Street Improvements at S. Quinn St to Court House Rd (Segment C) for the installation of conduit and manholes. DEV acknowledges that based on the current existing and projected load information provided, the current and existing capacity on DEV's systems, DEV's current design standards, and other information provided at the time of the DEV's conceptual review, Arlington County's dry utility plan meets the DEV requirements and commits to utilizing the underground infrastructure for installation of the DEV cable and other necessary facilities to underground the existing overhead utilities and/or provide permanent service to the buildings, if the underground infrastructure and installation meets DEV's requirements. DEV will endeavor to complete their final engineering design plan in a manner that will not result in additional trenching, conduit or any underground type work beyond what is shown on this county accepted dry utility conceptual plan. Should there be a change in any of the following, DEV reserves the right to adjust its design accordingly to assure the operational integrity of its system:

- Conceptual plans submitted
- Existing and planned loads on DEV's system
- DEV's standards of design
- Any other unforeseen changes

Any changes DEV must make to the conceptual dry utility plan will need to be coordinated with the Developer. The Developer will be responsible for submitting to the County a revision to the approved site civil plan. The County approval must be obtained before any Right-of-Way permits may be issued.

Should you have any questions regarding this plan, feel free to contact me at 703-228-3664.

Sincerely,  
Jerry Kao

Dominion Energy of Virginia agrees with terms as stated in this letter and accepts this conceptual dry utility plan with the understanding that the plans are subject to change. DEV reserves the right to adjust the plan as needed to meet the operational integrity of its electric distribution system.

Designated Dominion Supervisor: *Denise Stevens*  
(Print Full Name)

Signature: *Denise Stevens* Date: 8/8/22  
Designated Dominion Supervisor

DEV Project Number: 10570295

Last Updated: May 18, 2011.

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

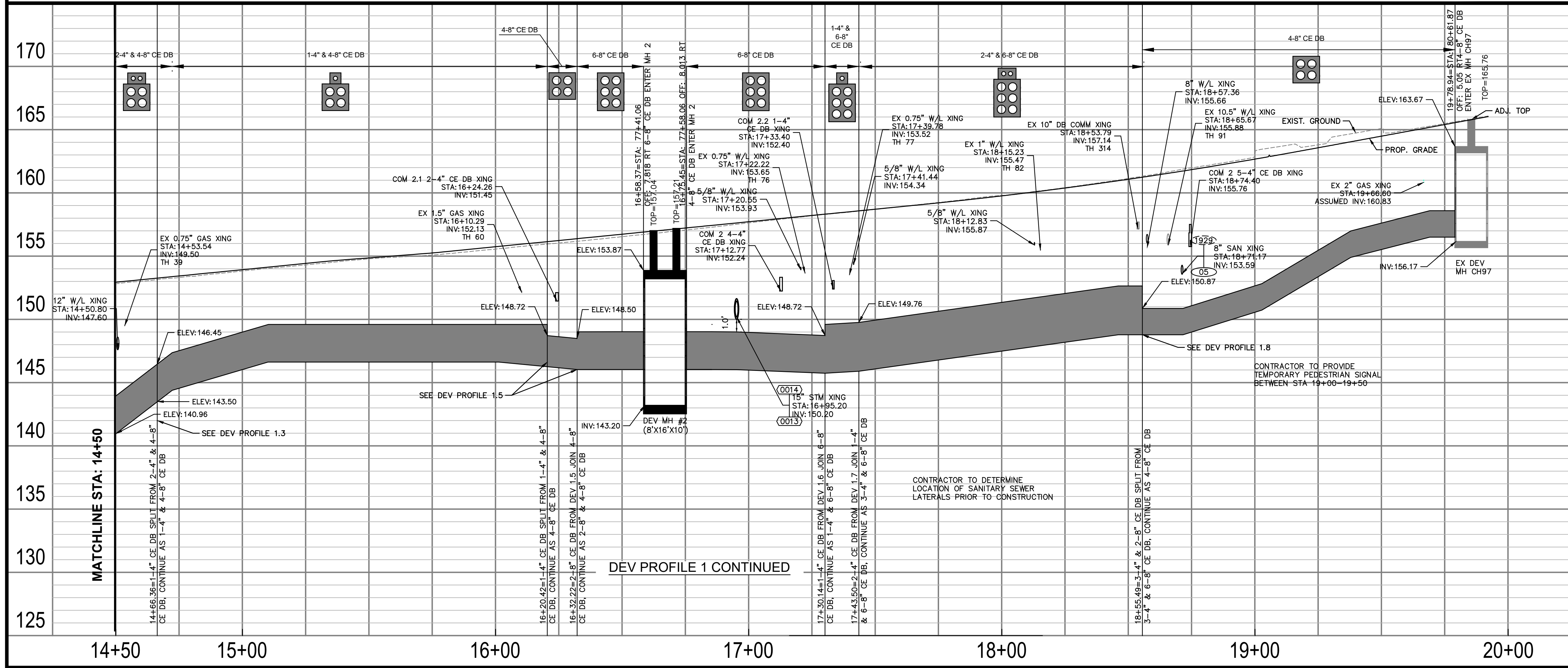
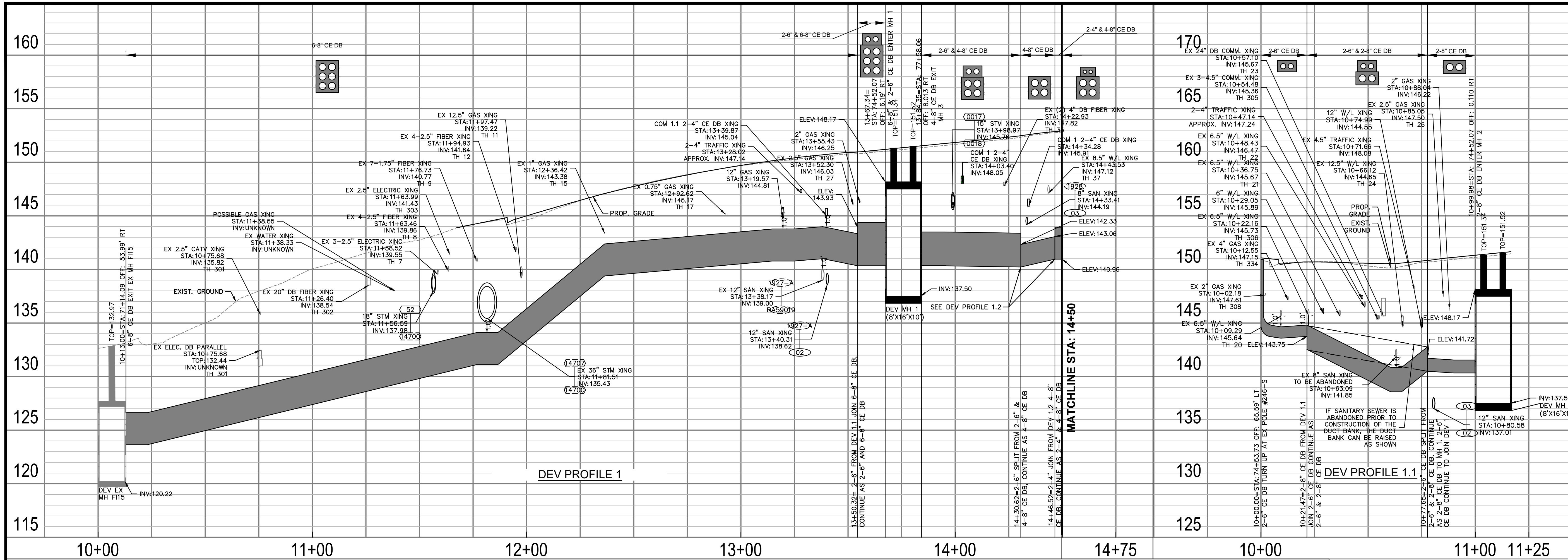
**DRY UTILITY RELOCATION PLAN  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT C**

SCALE: HOR. 1"=25' VERT. N/A SHEET: C21.1 of C21.8





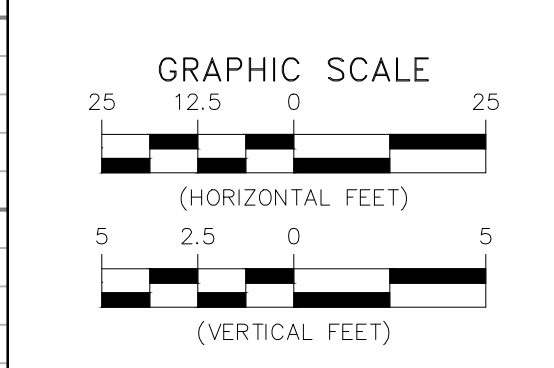




Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	

Revisions	Date

Designed: RDA  
 Drawn: CJC  
 Checked: SDD  
 Miss Utility Transmittal #:  
 Filename: 010073-C-DVP-PROFILES.dwg  
 Path: \\s:\work\10001\10001\002\Columbia Pike All Phases\Register\Sheet C  
 Plotted: September 28, 2022  
 Plotted by: sdusza

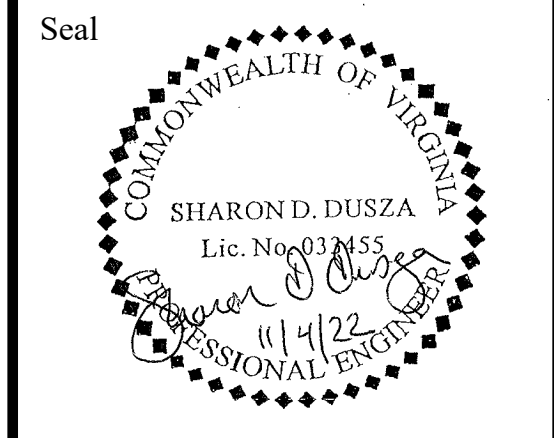
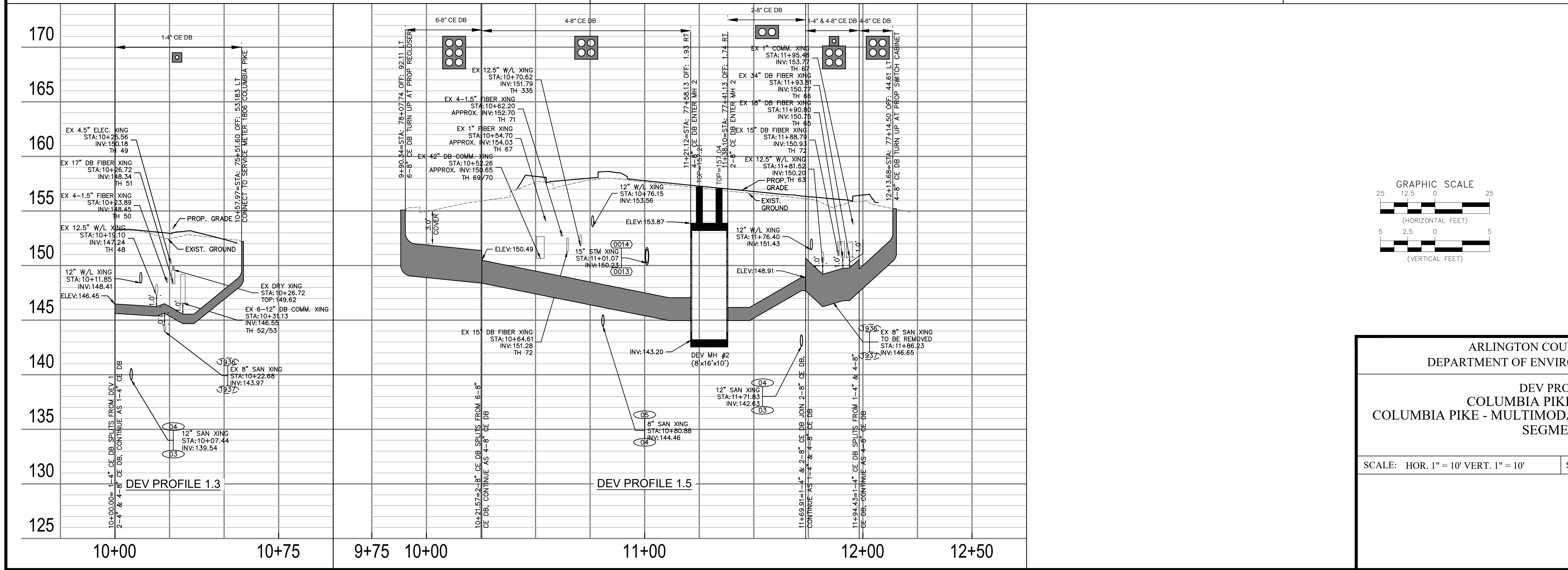
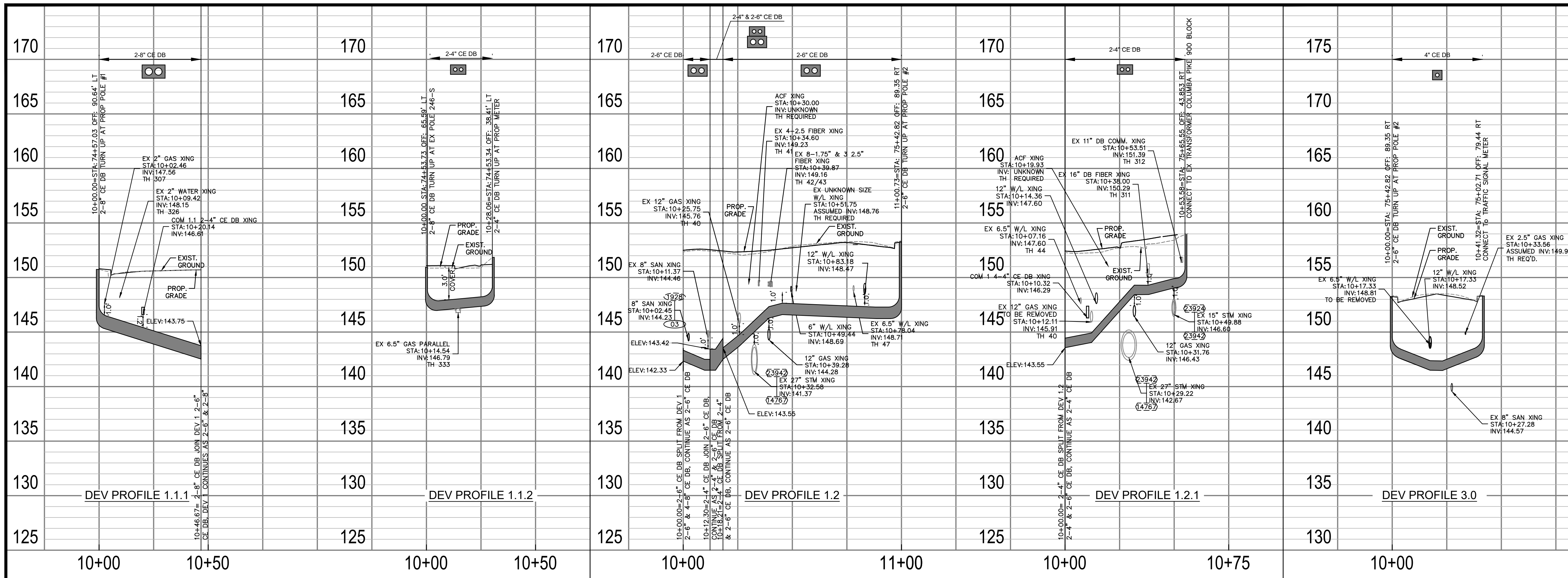


ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

DEV PROFILES  
 COLUMBIA PIKE - ROUTE 244  
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT C

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C21.3 of C21.8

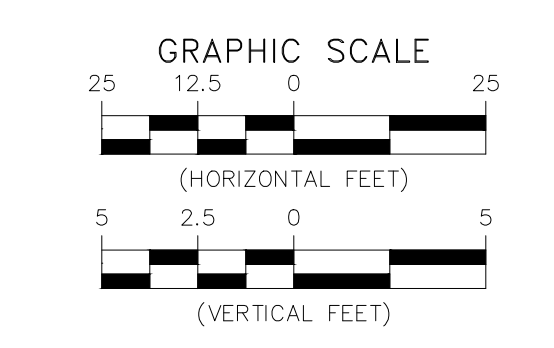




Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	

Revisions	Date

Designed: RDA  
 Drawn: CJC  
 Checked: SDD  
 Miss Utility Transmittal #:  
 Filename: 010073-C-DVP-PROFILES.dwg  
 Path: S:\work\000010001\002\Columbia Pike - all Plans\Sheet\Sheet.dwg  
 Plotted: November 07, 2022  
 Plotted by: sdusza



ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

DEV PROFILES  
 COLUMBIA PIKE - ROUTE 244  
 MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT C

SCALE: HOR. 1" = 10' VERT. 1" = 10'  
 SHEET: C21.4 of C21.8









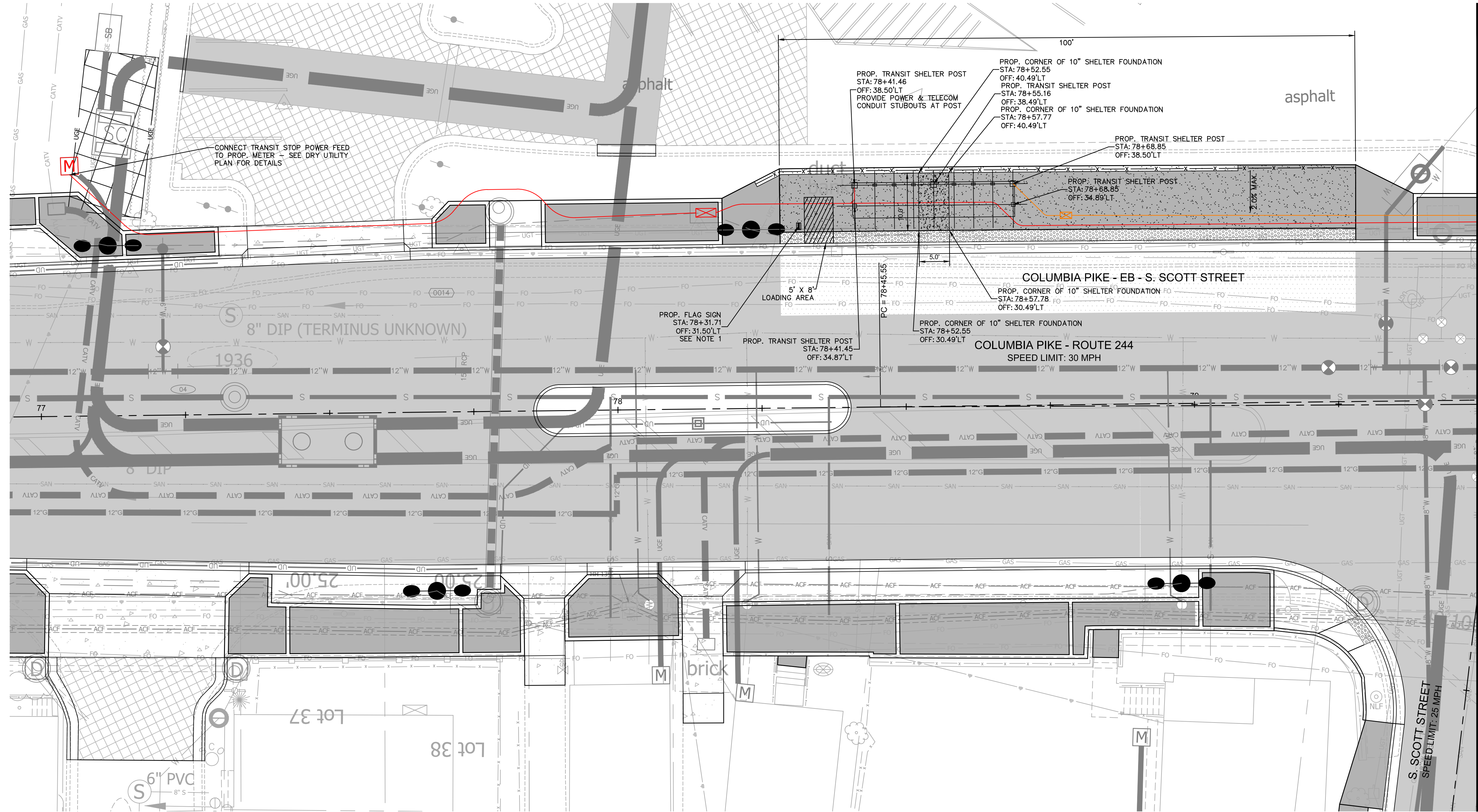












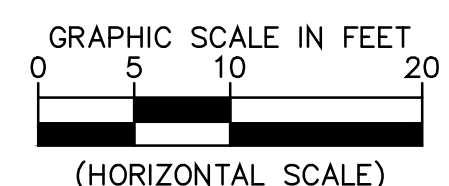
MATCHLINE STA: 97+50 - SEE SHEET C22.2

**NOTES:**

- TRANSIT SHELTER FOUNDATIONS TO BE INSTALLED PER ARLINGTON COUNTY STANDARD R-2.10. FOR THE LOCATION AND SIZE OF THE FOUNDATIONS, CONTRACTOR SHALL CONTACT THE PROJECT OFFICER AND OBTAIN DIRECTION AND APPROVAL PRIOR TO INSTALLATION.
- DETECTABLE WARNING SURFACE SHALL BE 2' WIDE ARMOR-TILE CAST IN PLACE OR APPROVED EQUAL, DARK GREY (FEDERAL COLOR NO. 36118).
- STUB OUT LOCATIONS SHOWN FOR POWER AND COMMUNICATIONS CONDUIT ARE SCHEMATIC ONLY. FINAL LOCATION OF STUB OUTS TO BE FIELD VERIFIED AND APPROVED BY THE COUNTY PROJECT OFFICER PRIOR TO INSTALLATION.
- CONTRACTOR TO COORDINATE WITH PROJECT OFFICER FOR FINAL LOCATION OF 10" TRANSIT STOP SHELTER FOUNDATION LOCATION. LOCATION SHOWN IS APPROXIMATE. SEE SHEET C2.5.

**LEGEND:**

- PROP 2" ELEC. CONDUIT —
- PROP 2" COMM. CONDUIT —
- PROP ELEC. JUNCTION BOX X
- PROP COMM. JUNCTION BOX X
- ELECTRIC METER M
- PROP TRANSIT SHELTER FOUNDATION/PLATFORM



**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

**Kimley-Horn and Associates, Inc.**  
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 11400 Cornerstone Park Drive, Suite 400  
 Reston, Virginia 20191  
 Phone: 703.474-1300  
 Fax: 703-674-1350

Seal  
  
 EDWARD J. BELLIO  
 Lic. No. 0402054356  
 09/30/2022  
 PROFESSIONAL ENGINEER

Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

Designed: HCS  
 Drawn: HCS  
 Checked: EJD  
 Miss Utility Transmittal #:

Filename: 010073-C-TRANSIT SHELTER FOUNDATION PLAN  
 Path: \\fs1\design\010073-C-TRANSIT SHELTER FOUNDATION PLAN\010073-C-TRANSIT SHELTER FOUNDATION PLAN.dwg  
 Plotted: September 30, 2022  
 Plotted by: Thomas.Super

ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

**TRANSIT SHELTER FOUNDATION PLAN  
 COLUMBIA PIKE - ROUTE 244  
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT C**

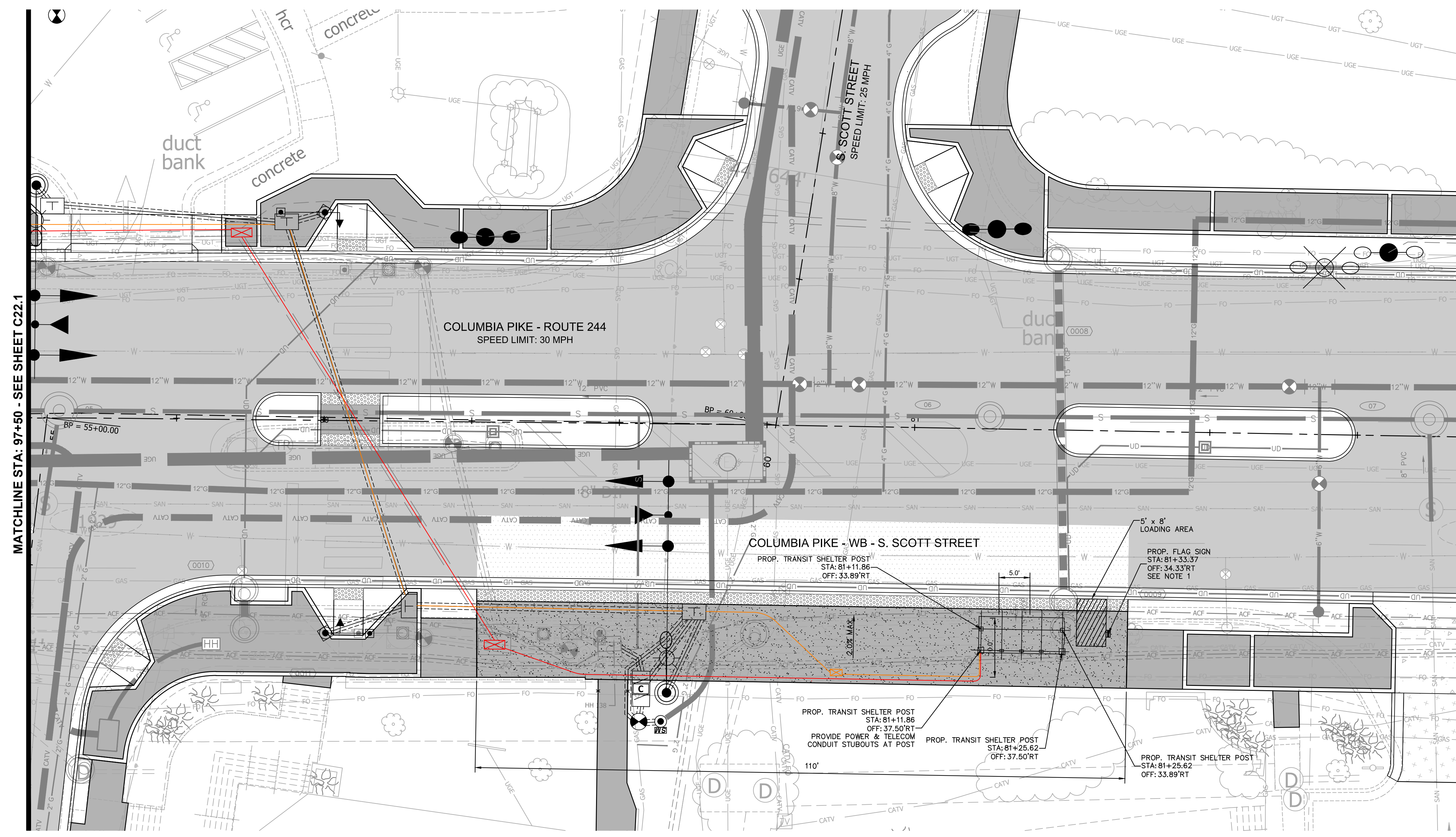
SCALE: HOR: 1" = 10' VERT: N/A SHEET: C22.1 of C22.2

**ARLINGTON VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

*Richard D. Araya*  
 BUREAU CHIEF, DES - DEVELOPMENT SERVICES

11/15/2022  
 APPROVAL DATE



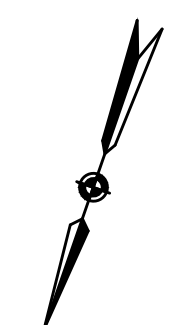
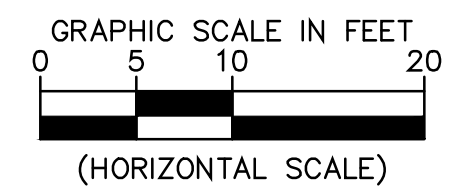


MATCHLINE STA: 97+50 - SEE SHEET C22.1

- NOTES:**
- TRANSIT SHELTER FOUNDATIONS TO BE INSTALLED PER ARLINGTON COUNTY STANDARD R-2.10. FOR THE LOCATION AND SIZE OF THE FOUNDATIONS, CONTRACTOR SHALL CONTACT THE PROJECT OFFICER AND OBTAIN DIRECTION AND APPROVAL PRIOR TO INSTALLATION.
  - DETECTABLE WARNING SURFACE SHALL BE 2' WIDE ARMOR-TILE CAST IN PLACE OR APPROVED EQUAL, DARK GREY (FEDERAL COLOR NO. 36118).
  - STUB OUT LOCATIONS SHOWN FOR POWER AND COMMUNICATIONS CONDUIT ARE SCHEMATIC ONLY. FINAL LOCATION OF STUB OUTS TO BE FIELD VERIFIED AND APPROVED BY THE COUNTY PROJECT OFFICER PRIOR TO INSTALLATION.
  - CONTRACTOR TO COORDINATE WITH PROJECT OFFICER FOR FINAL LOCATION OF 10" TRANSIT STOP SHELTER FOUNDATION LOCATION. LOCATION SHOWN IS APPROXIMATE. SEE SHEET C2.5.

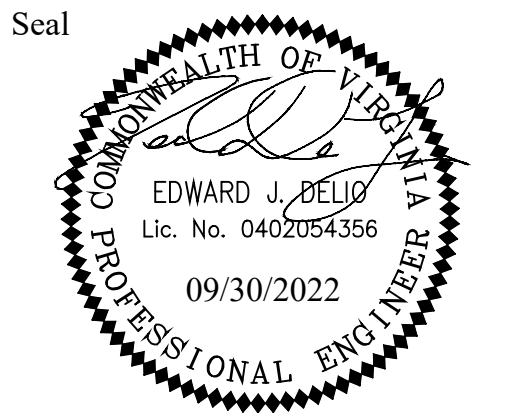
**LEGEND:**

PROP 2" ELEC. CONDUIT	
PROP 2" COMM. CONDUIT	
PROP ELEC. JUNCTION BOX	
PROP COMM. JUNCTION BOX	
ELECTRIC METER	
PROP TRANSIT SHELTER FOUNDATION/PLATFORM	



**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

**Kimley»Horn**  
 Kimley-Horn and Associates, Inc.  
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 11400 Commerce Park Drive, Suite 400  
 Reston, Virginia 20191  
 Phone: 703-474-1500  
 Fax: 703-474-1350



Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	

Revisions	Date

Designed: HCS  
 Drawn: HCS  
 Checked: EJD  
 Miss Utility Transmittal #:

Filename: 010073-C-TRANSIT SHELTER FOUNDATION PLAN  
 Path: \\fs1\design\projects\010073-columbia pike multimodal\project\010073-179\img\plan\010073-columbia pike multimodal\transit shelter foundation plan.dwg  
 Plotted: September 30, 2022  
 Plotted by: Thomas.Super

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
TRANSIT SHELTER FOUNDATION PLAN COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT C	
SCALE: HOR: 1" = 10' VERT: N/A	SHEET: C22.2 of C22.2