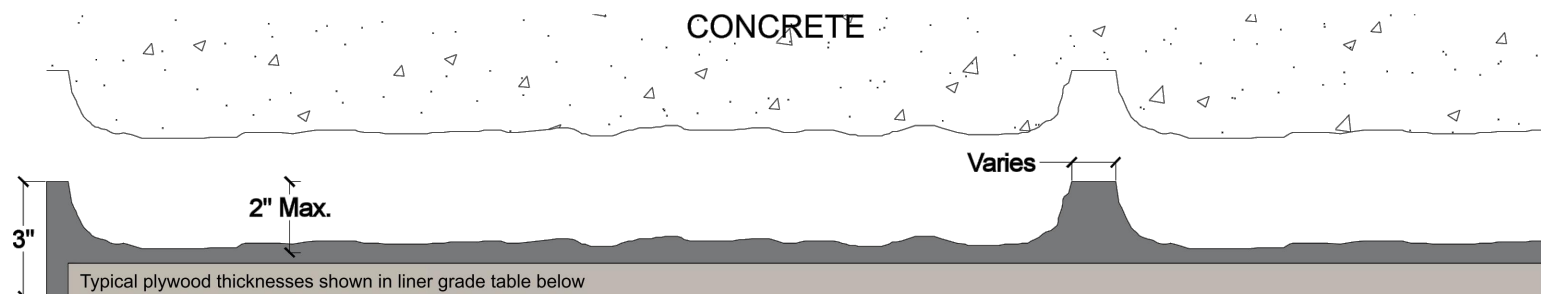


Pattern #1106-R2
Random Cut Stone (12" Coursing)

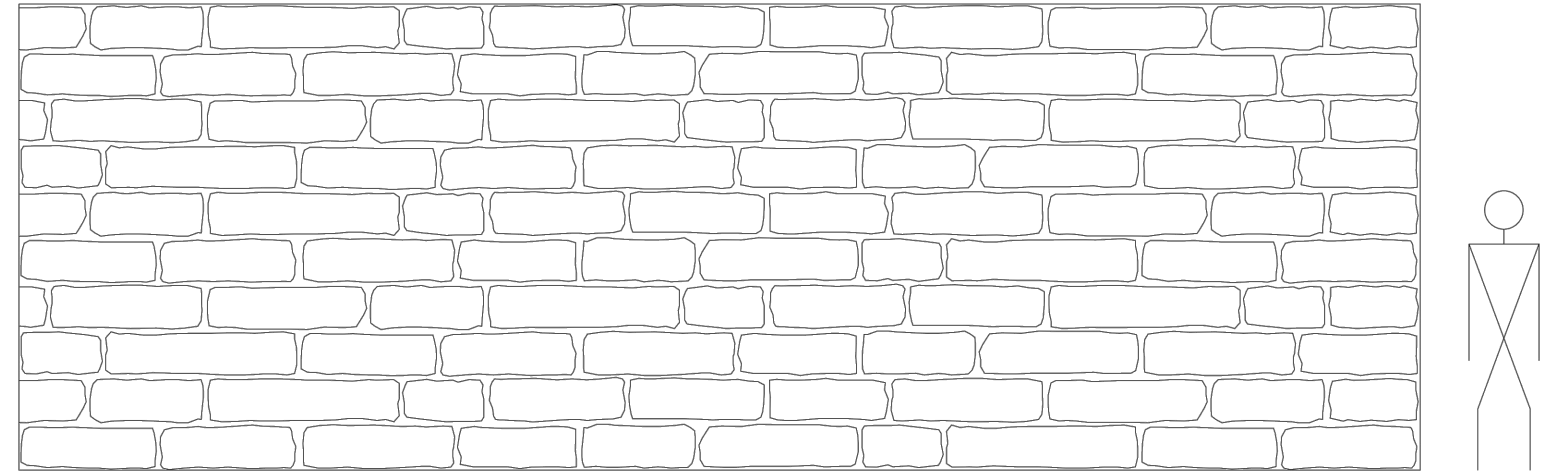
customrock
FORMLINER

General Information:

Elastomeric formliners are high end liners that capture pattern details with precision. They couple strength with excellent pattern reproduction. The embedded plywood allows ease of handling and installation for cast in place and precast form systems. They have a multiple reuse factor, subject to pattern configuration and proper handling.



*Typical liner thickness shown. Final thickness will be determined on a per job basis.
**Representational pattern layout shown. Layout made up of multiple liner modules.

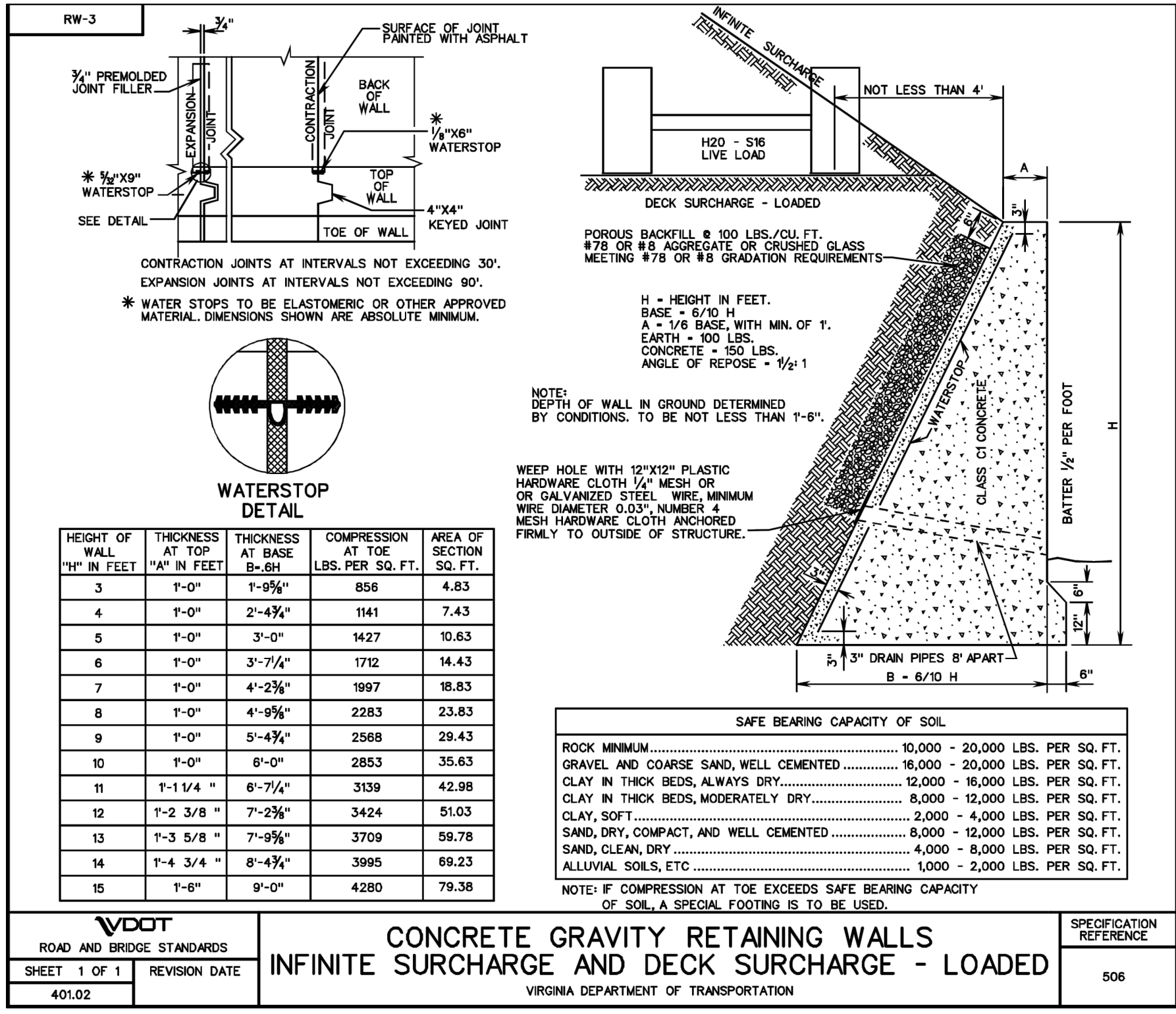
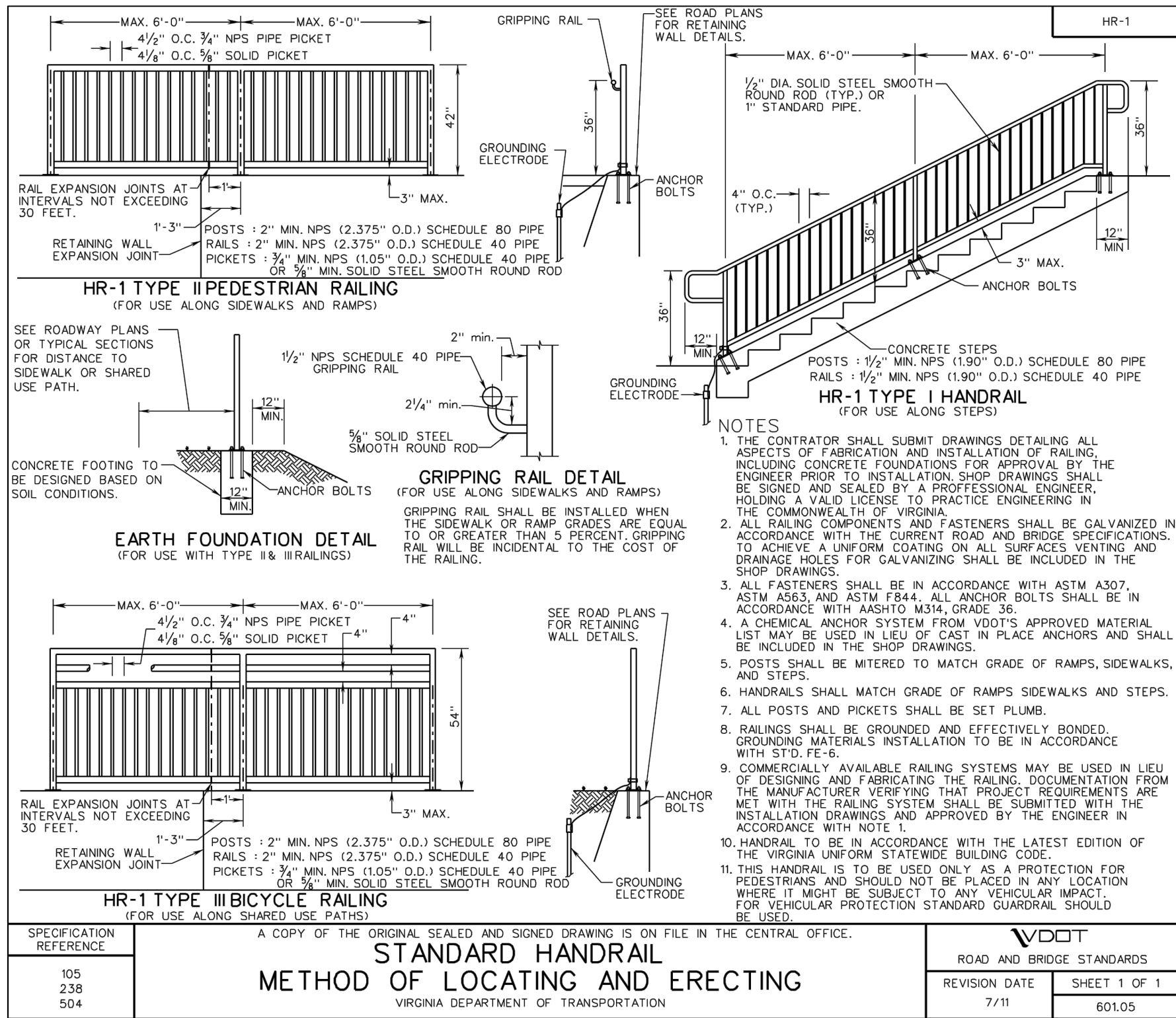


Stone Size:
12" Coursing
20" - 52" (width)
Care and Handling:

- Keep out of the sunlight and covered when not in use
- Keep away from steam, acids, and certain fuels
- Do not expose to temperatures >150°F (65.5°C)
- For further instructions refer to the application guide

Available Grades:	Duraform	Hi-Lite	Multi-Lite	Cut-Lite
Description:	High reuse / Heavy Weight / 3/4" Plywood Typical	High reuse / Lightweight / 1/2" Plywood Typical	Medium reuse / Lightweight / 1/2" Plywood Typical	Low reuse / Lightweight / 1/2" Plywood Typical

Custom Rock Formliner • 2020 West 7th Street • St. Paul, MN 55116 • (800) 637-2447
www.customrock.com



- NOTES:
- RETAINING WALLS TO BE VDOT STANDARD RW-3 CONCRETE GRAVITY RETAINING WALLS WHERE EXISTING CONDITIONS AND AVAILABLE RIGHT OF WAY OR EASEMENTS ALLOW (SEE VDOT STANDARD DRAWING 401.02 THIS SHEET). IN CONSTRAINED AREAS AND WHERE APPROPRIATE, H-PILE WALLS WITH LAGGING ARE SUGGESTED USING TOP-DOWN CONSTRUCTION.
 - H-PILE WALLS, IF PROPOSED, SHALL BE DESIGNED AND PLANS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA. SEALED PLANS AND CALCULATIONS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO WALL CONSTRUCTION.
 - ALL PROPOSED RETAINING WALLS, INCLUDING CONCRETE GRAVITY WALLS AND H-PILE GRATED WALLS, SHALL INCLUDE CUSTOM ROCK® FORMLINER, "RUNNING BOND STONE PATTERN #1106-R2 (SEE SPECIFICATION - THIS SHEET), OR APPROVED EQUAL. SHOULD THE CONTRACTOR ELECT TO USE AN ALTERNATIVE RETAINING WALL FORMLINER, SHOP DRAWINGS AND SPECIFICATIONS FOR THE ALTERNATE FORMLINER SHALL BE SUBMITTED TO ARLINGTON COUNTY FOR REVIEW AND APPROVAL.
 - FORMLINER TO BE APPLIED TO ALL PROPOSED RETAINING WALLS (SEE NOTE 3) SHALL HAVE 2" RELIEF AND 12" VERTICAL COURSING.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ITEMS TO BE IMPACTED BY CONSTRUCTION OF ALL RETAINING WALLS, AND SHALL NOTIFY ARLINGTON COUNTY BEFORE RETAINING WALL INSTALLATION OF ANY ITEMS TO BE IMPACTED BY INSTALLATION THAT ARE NOT EXPLICITLY CALLED OUT FOR REMOVAL OR RELOCATION IN THE PLANS.
 - LIMITS OF DISTURBANCE ARE GENERALLY TIGHT, AND RETAINING WALL INSTALLATION MAY REQUIRE SLOPE STABILIZATION DEPENDING ON TECHNIQUES USED FOR WALL CONSTRUCTION. NO ADDITIONAL EASEMENTS OR DISTURBANCE AREA BEYOND THOSE SHOWN ON THE PLANS SHALL BE PERMITTED WITHOUT ARLINGTON COUNTY APPROVAL AND PROPERTY OWNER APPROVAL.
 - BASE OF RETAINING WALLS SHALL BE EMBEDDED FOR FROST PROTECTION. EMBEDMENT DEPTH SHALL NOT BE LESS THAN 1'-6" PER VDOT STANDARD RW-3 (SEE DETAILS THIS SHEET). CONTRACTOR SHALL VERIFY EMBEDMENT DEPTH BASED ON FIELD SOIL CONDITIONS PRIOR TO WALL CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY REQUIRED BEARING CAPACITY AND BACKFILL REQUIREMENTS. CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO WALL CONSTRUCTION.

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

RETAINING WALL DETAILS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F20.1 of F20.4

ARLINGTON
VIRGINIA

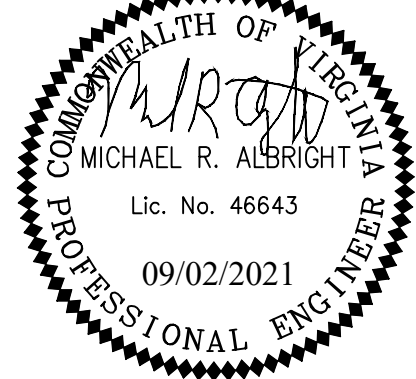
DEPARTMENT OF
ENVIRONMENTAL SERVICES

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.

©2021 KIMLEY-HORN AND ASSOCIATES, INC.
14400 Commerce Park Drive, Suite 400
Reston, Virginia 20191
Phone: 703-574-1300
Fax: 703-574-1300

Seal



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

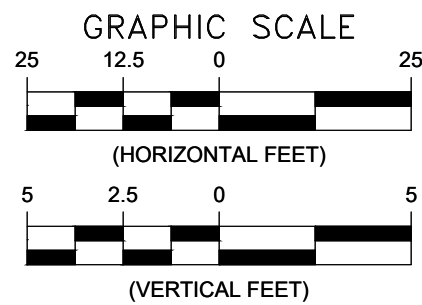
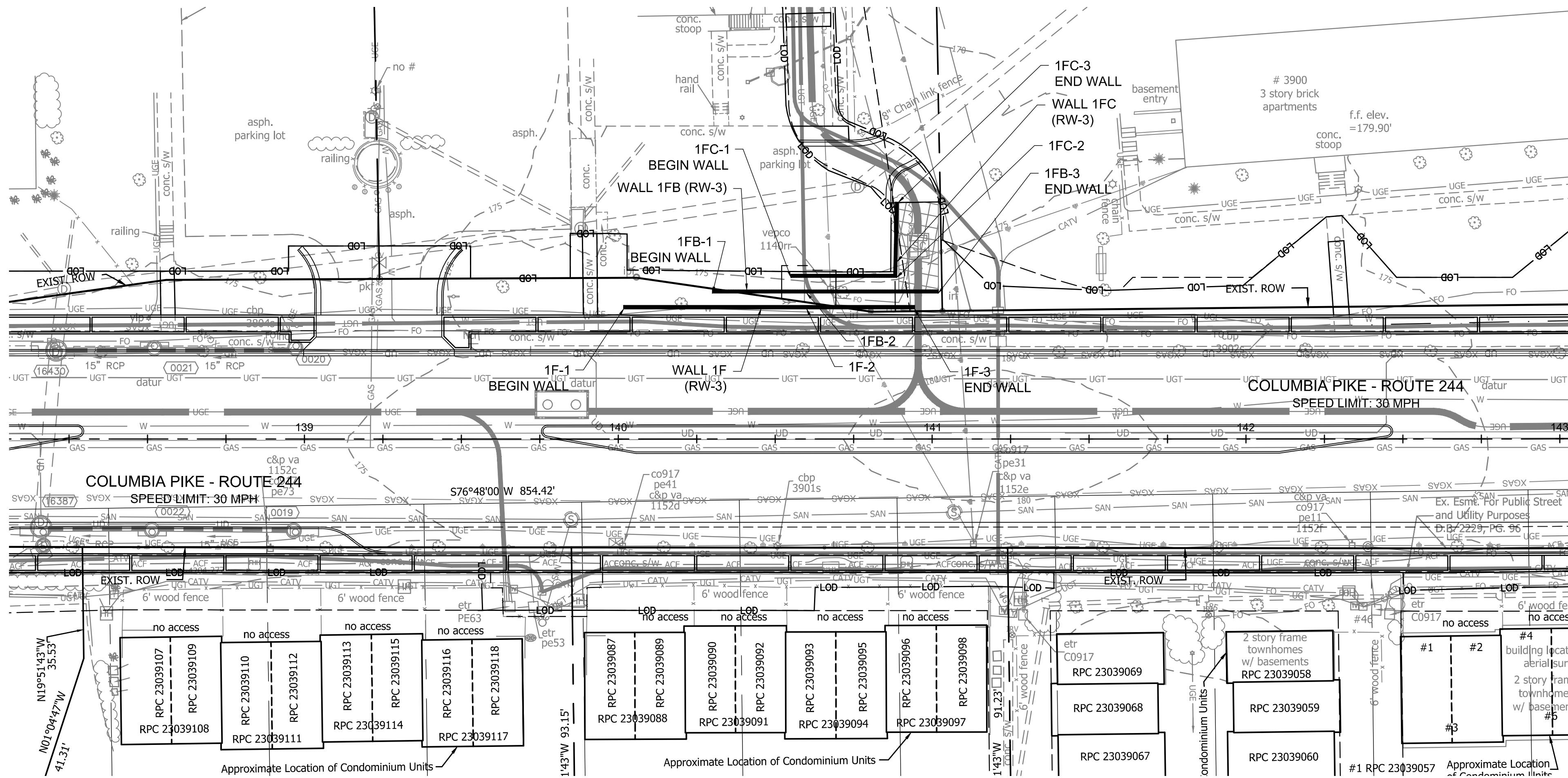
Designed: EJD
Drawn: EJD
Checked: MA
Miss Utility Transmittal #:

Filename: 010073-F-WALL-DETL.dwg
Path: C:\NVA_RDP\11010073 Columbia Pike Multimodal Improvements\Task
Design\PlanBooks
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON
VIRGINIA
LORI ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

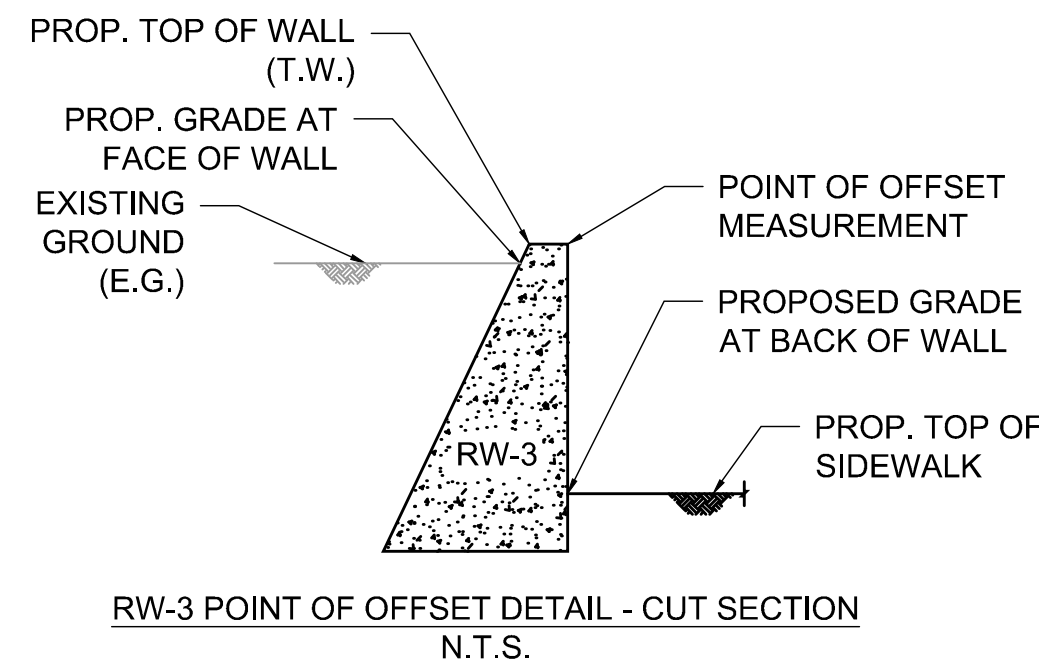
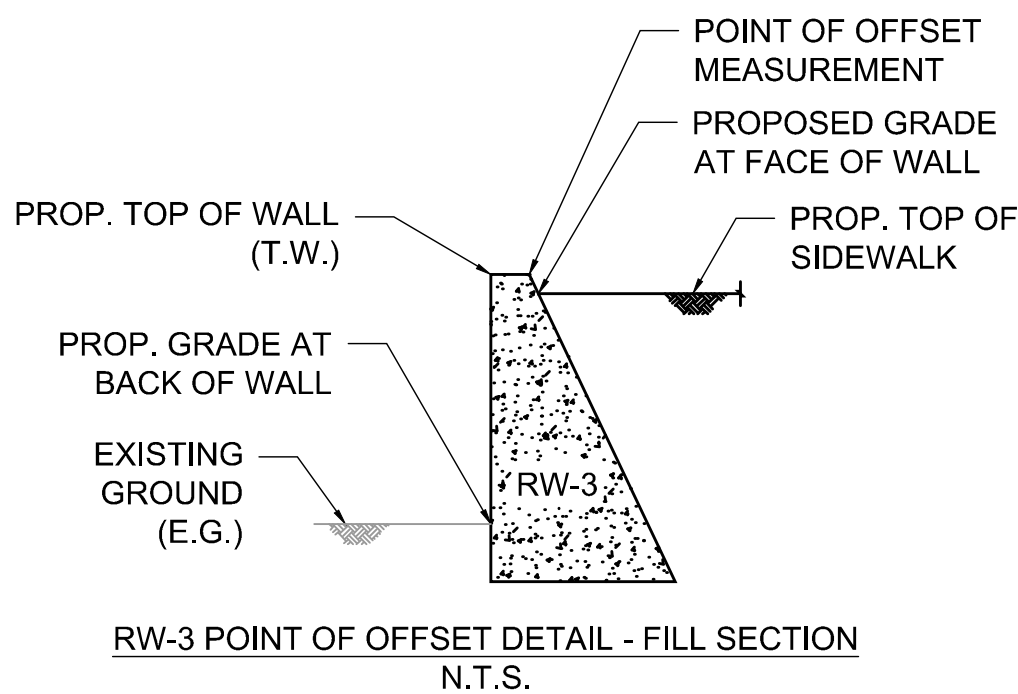
DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE



NOTES:

- SEE SHEET F20.1 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).



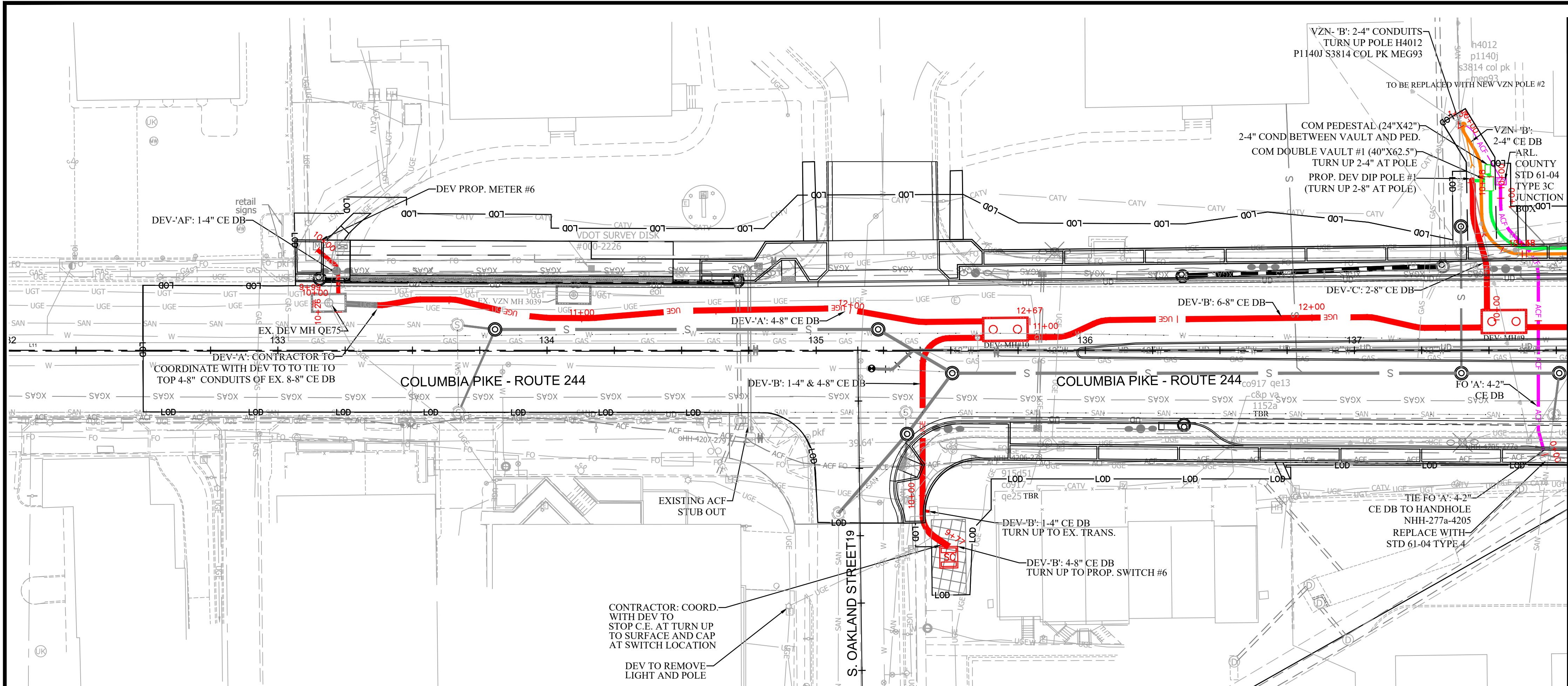
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	1F-1	COLUMBIA PIKE	140+01.72	41.50' L	178.58'	176.54'		1FB-1	COL. PIKE	140+30.00	46.50' L	177.55'	176.26'		1FC-1	COL. PIKE	140+55.00	51.50' L	176.26'	174.56'
	1F-2	COLUMBIA PIKE	140+60.00	41.50' L	180.59'	177.50'		1FB-2	COL. PIKE	140+60.00	46.50' L	178.59'	175.67'		1FC-2	COL. PIKE	140+88.75	51.50' L	176.11'	174.40'
	1F-3	COLUMBIA PIKE	140+94.38	41.50' L	181.22'	178.50'		1FB-3	COL. PIKE	141+02.00	46.50' L	179.36'	177.32'		1FC-3	COL. PIKE	140+89.24	75.47' L	173.97'	172.07'
195							195							195						
190							190							190						
185							185							185						
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175							175							175						
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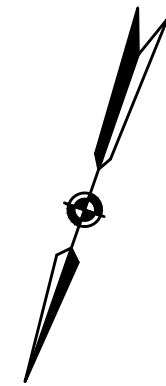
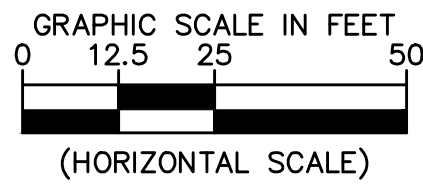
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

RET. WALL ELEVATION PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F20.2 of F20.4



MATCHLINE STA: 137+80 - SEE SHEET F21.2



LEGEND

	UG	PROP. DOMINION ENERGY VIRGINIA DUCT BANK
	UGT	PROP. VERIZON COMMUNICATION DUCT BANK
	CATV	PROP. COMCAST CABLE DUCT BANK
	ACF	PROP. ARLINGTON COUNTY FIBER OPTIC LINE
		PROP. DOMINION ENERGY VIRGINIA 8' x 16' x 8' MANHOLE
		PROP. DOMINION ENERGY VIRGINIA PAD-MOUNTED TRANSFORMER
		PROP. DOMINION ENERGY VIRGINIA SWITCH CABINET
		PROP. DOMINION ENERGY VIRGINIA POLE, GUY WIRE AND DIMENSION
		PROP. CLEAR ZONE FOR TRANSFORMER AND HANDHOLE ACCESS
	UG	EXIST. UNDERGROUND ELECTRIC LINE
	UGT	EXIST. UNDERGROUND TELECOMMUNICATION LINE
	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
	ACF	EXIST. UNDERGROUND ARLINGTON COUNTY FIBER OPTIC LINE
	CATV	EXIST. UNDERGROUND CABLE LINE
	GAS	EXIST. GAS LINE
	W	EXIST. WATER LINE
	SAN	EXIST. SANITARY SEWER LINE
	XGAS	EXIST. GAS LINE TO BE ABANDONED

NOTES

1. MAINTAIN A MINIMUM 5' SEPARATION BETWEEN EXISTING POLES AND PROPOSED DUCTBANK AT ALL LOCATIONS.
2. FACILITIES ARE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
3. USE EXTREME CAUTION WHEN EXCAVATING UNDER AND NEAR OVERHEAD UTILITY WIRES.
4. 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.
5. 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.

Dominion Commitment/Conceptual Design Acceptance Letter

September 29, 2021

Arlington County Government
2100 Clarendon Blvd., Suite 800
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements
S. Oakland Street to S. Wakefield Street
(Segment F)
Arlington, VA

To Whom It May Concern:

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 September 9, 2021, 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 accepts the preliminary design of Columbia Pike Multimodal Street Improvements - S. Oakland Street to S. Wakefield Street (Segment F) 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 infrastructures 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 703-228-3639.

Sincerely,

Arjun Joshi

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: 10/11/21
Designated Dominion Supervisor

DEV Project Number: 10375326

Last Updated: May 18, 2011.



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



Rinker Design
Associates, P.C.
11100 Endeavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 358-7373

Seal Date



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: RDA
Drawn: KCC
Checked: SDD
Miss Utility Transmittal #:

Filename: 010073-F-Dry Utility Plan & Details.dwg
Path:
Plotted: October 13, 2021
Plotted by: sdusza

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRY UTILITY RELOCATION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 132+00 TO STA. 137+60

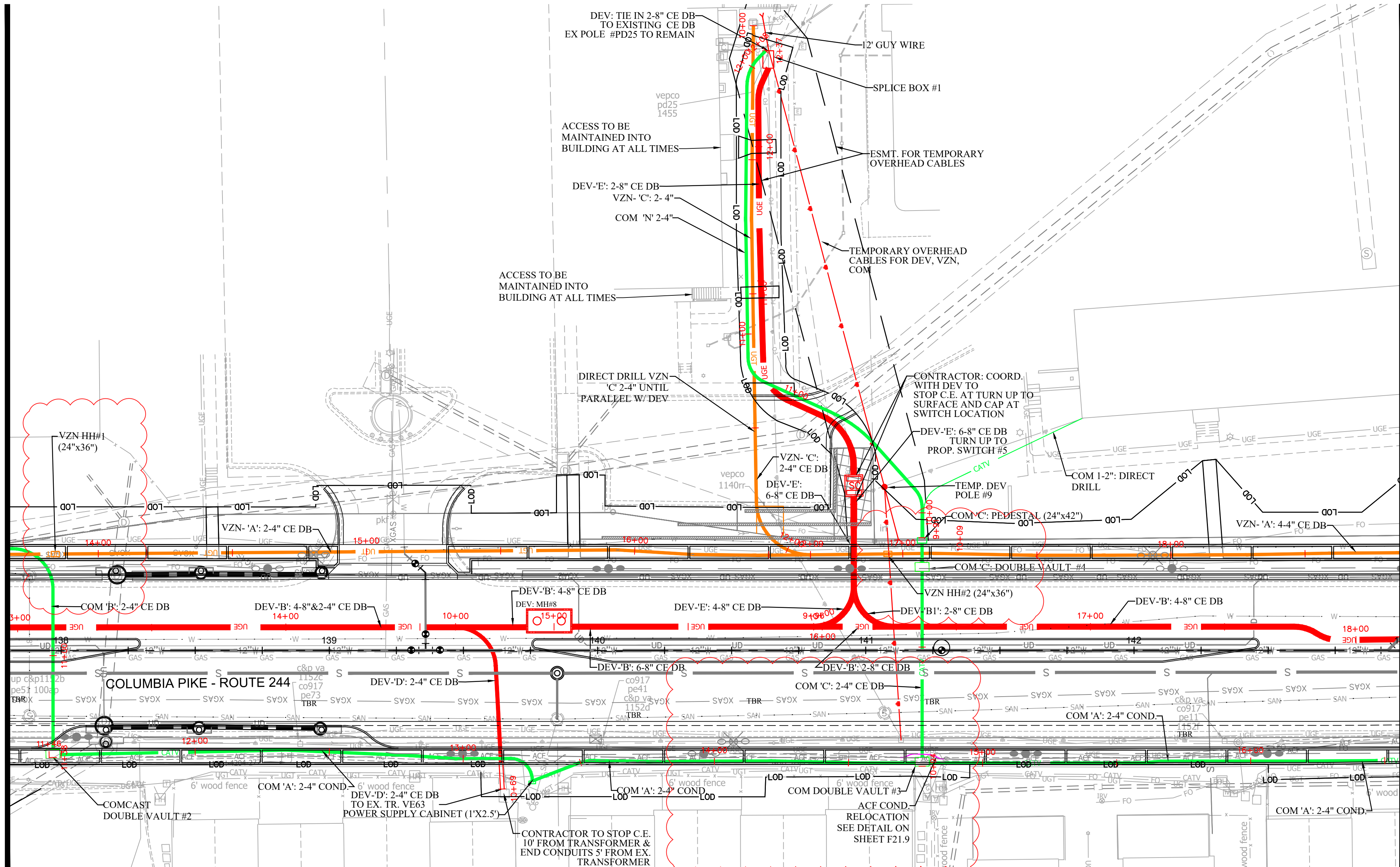
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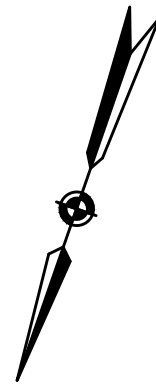
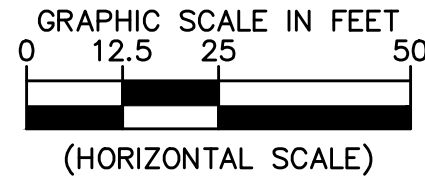
DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

MATCHLINE STA: 137+80 - SEE SHEET F21.1



MATCHLINE STA: 143+00 - SEE SHEET F21.3



Dominion Commitment/Conceptual Design Acceptance Letter

September 29, 2021

Arlington County Government
2100 Clarendon Blvd., Suite 800
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements
S. Oakland Street to S. Wakefield Street
(Segment F)
Arlington, VA

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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 September 9, 2021 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.

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- Any other unforeseen changes

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Sincerely,
Arjun Joshi

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Designated Dominion Supervisor: Denise Stearns
(Print Full Name)

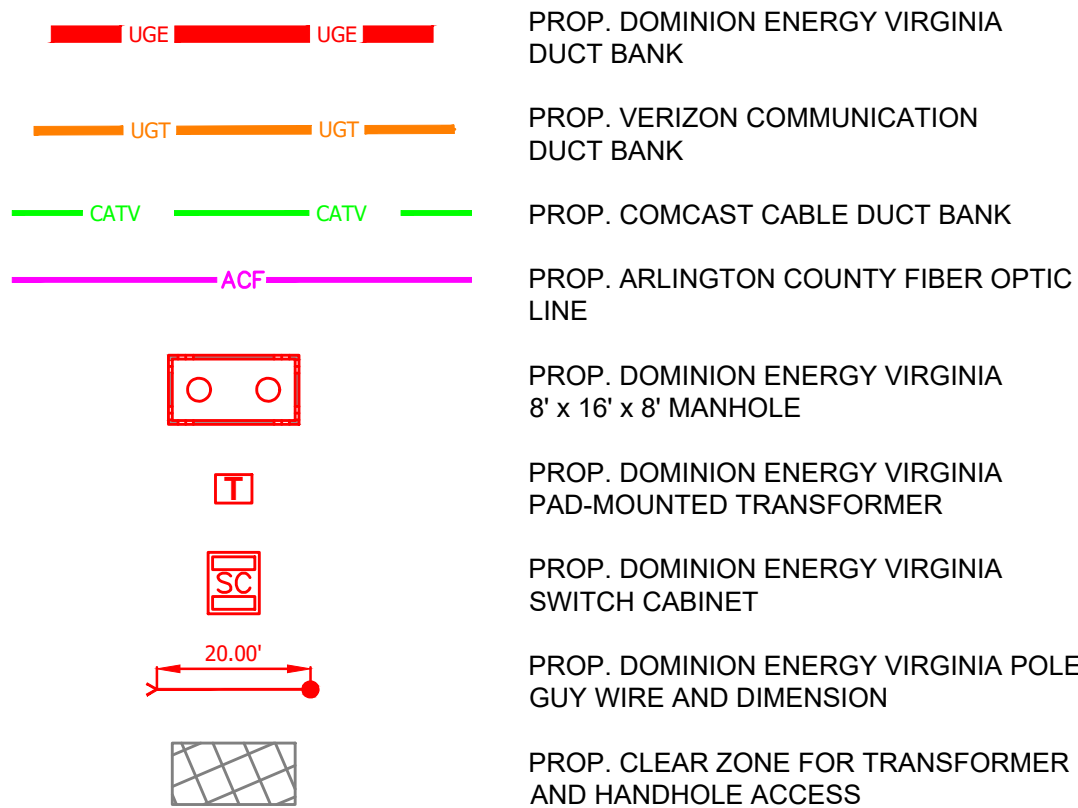
Signature: [Signature] Date: 10/1/21
Designated Dominion Supervisor

DEV Project Number: 10375326

Last Updated: May 18, 2011.

NOTES

1. MAINTAIN A MINIMUM 5' SEPARATION BETWEEN EXISTING POLES AND PROPOSED DUCTBANK AT ALL LOCATIONS.
2. FACILITIES ARE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
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UGE	UGE	EXIST. UNDERGROUND ELECTRIC LINE
UGT	UGT	EXIST. UNDERGROUND TELECOMMUNICATION LINE
FO	FO	EXIST. UNDERGROUND FIBER OPTIC LINE
ACF	ACF	EXIST. UNDERGROUND ARLINGTON COUNTY FIBER OPTIC LINE
CATV	CATV	EXIST. UNDERGROUND CABLE LINE
GAS	GAS	EXIST. GAS LINE
W	W	EXIST. WATER LINE
SAN	SAN	EXIST. SANITARY SEWER LINE
XGAS	XGAS	EXIST. GAS LINE TO BE ABANDONED

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRY UTILITY RELOCATION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 137+60 TO STA. 143+00

SCALE: HOR. 1" = 25' VERT. N/A SHEET: F21.2 of F21.48

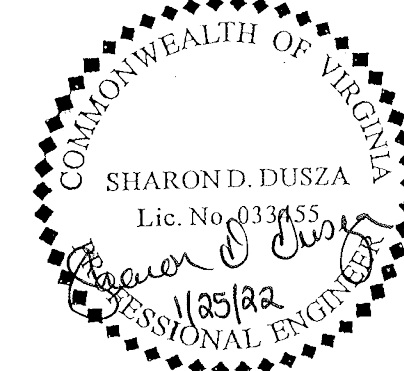
ARLINGTON
VIRGINIA

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) 368-7373

Seal Date



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

MODIFIED VERIZON HH SIZE 01/25/22

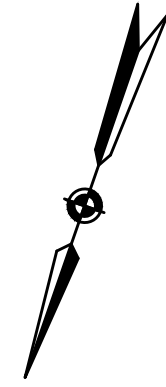
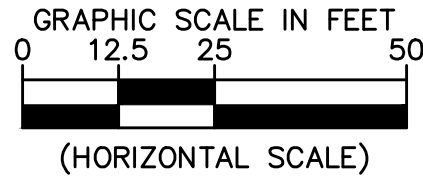
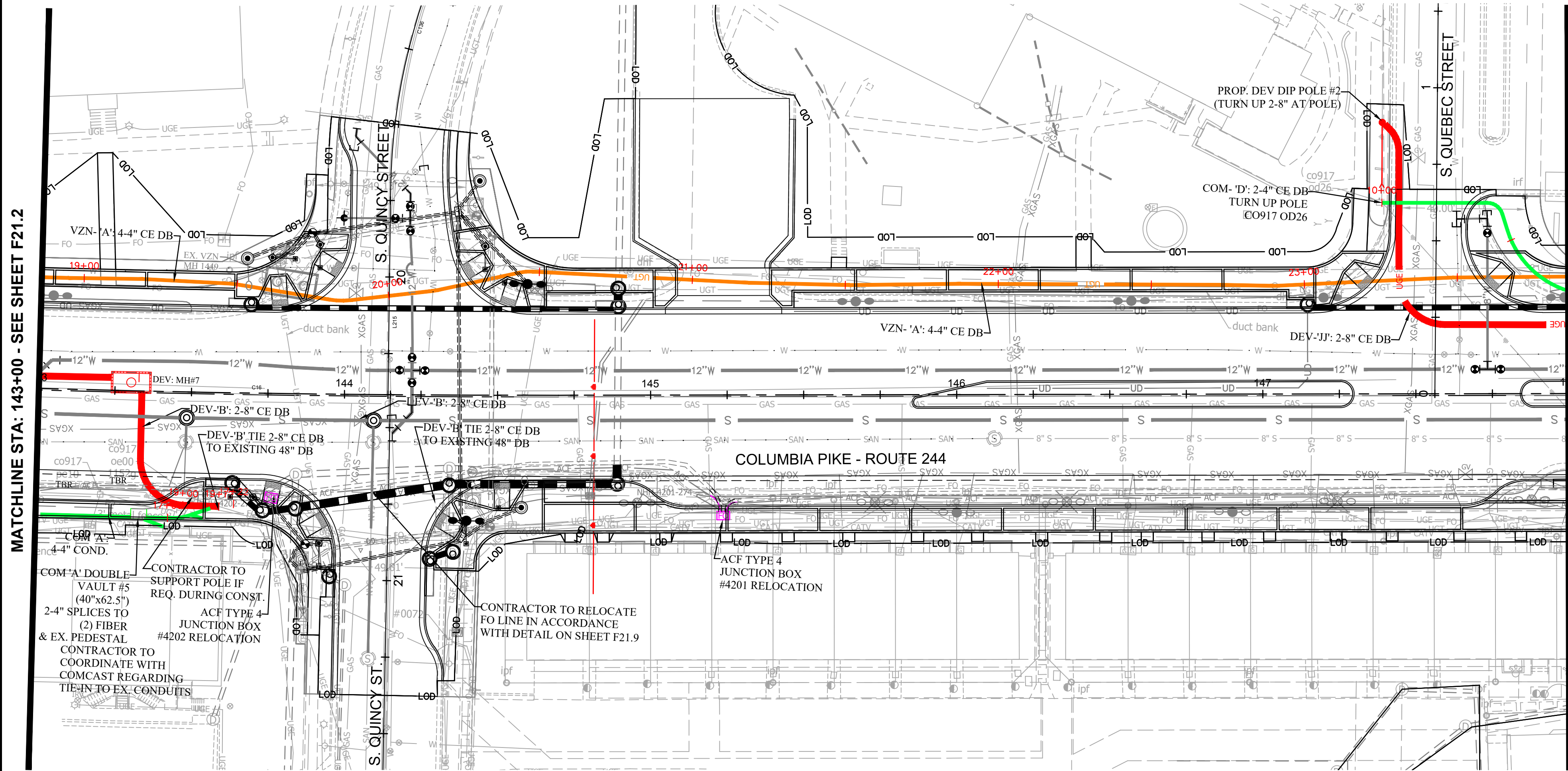
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Designed: RDA
Drawn: KCC
Checked: SDD
Miss Utility Transmittal #:

Filename: 010073-F-Dry Utility Plan & Details.sdwg
Path: \\c:\work\10000\010073-F-Dry Utility Plan & Details\Segment F
Plotted: January 27, 2022
Plotted by: ccooper

MATCHLINE STA: 143+00 - SEE SHEET F21.2

MATCHLINE STA: 148+00 - SEE SHEET F21.4



LEGEND	
	PROP. DOMINION ENERGY VIRGINIA DUCT BANK
	PROP. VERIZON COMMUNICATION DUCT BANK
	PROP. COMCAST CABLE DUCT BANK
	PROP. ARLINGTON COUNTY FIBER OPTIC LINE
	PROP. DOMINION ENERGY VIRGINIA 8' x 16' x 8' MANHOLE
	PROP. DOMINION ENERGY VIRGINIA PAD-MOUNTED TRANSFORMER
	PROP. DOMINION ENERGY VIRGINIA POLE, GUY WIRE AND DIMENSION
	PROP. CLEAR ZONE FOR TRANSFORMER AND HANDHOLE ACCESS
	EXIST. UNDERGROUND ELECTRIC LINE
	EXIST. UNDERGROUND TELECOMMUNICATION LINE
	EXIST. UNDERGROUND FIBER OPTIC LINE
	EXIST. UNDERGROUND ARLINGTON COUNTY FIBER OPTIC LINE
	EXIST. UNDERGROUND CABLE LINE
	EXIST. GAS LINE
	EXIST. WATER LINE
	EXIST. SANITARY SEWER LINE
	EXIST. GAS LINE TO BE ABANDONED

NOTE:
ACF LINE TO BE
ADJUSTED USING THE
DETAIL ON SHEET F2.1.

JUNCTION BOX RELOCATION NOTES

- CONTRACTOR SHALL SUBMIT SPLICE ENCLOSURES FOR COUNTY DTS ENGINEER APPROVAL.
- ANY WORK ON OR INVOLVING ACF HANDHOLES WITH LIVE FIBER IN IT, MUST BE PERFORMED BY THE ARLINGTON COUNTY FIBER CONTRACTOR. CALL CONNECTARLINGTON AT 703.228.7726 FOR THE CONTACT INFORMATION OF THE COUNTY'S FIBER CONTRACTOR.
- NO COUNTY FIBER MAY BE CUT EXCEPT BY THE HAND OF A CONNECTARLINGTON ENGINEER.
- CONTRACTOR SHALL RE-SPLICE ALL FIBERS TO LIKE COLORED FIBERS AND SHALL MATCH LIKE COLORED BUFFER TUBES WITH LIKE COLORED BUFFER TUBES.
- CONTRACTOR SHALL PERFORM BI-DIRECTIONAL OTDR TESTING ON ALL OF THE 144 FIBER OPTIC CABLES AND THE 12 FIBER CABLE FROM THEIR TERMINATION POINTS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO GAIN ACCESS TO THE NEAREST FIBER TERMINATION POINTS FOR THE ITS AND DTS 144 FIBER OPTIC CABLES TO PERFORM TESTING.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH BI-DIRECTIONAL OTDR TEST RESULTS IN PDF FORMAT FOR APPROVAL. NO WORK SHALL BE ACCEPTED IF THE FOLLOW REQUIREMENTS ARE NOT MET:
 - EACH FUSION SPLICE LOSS DOES NOT EXCEED 0.05 DB, BI-DIRECTIONALLY AVERAGED.
 - CABLE ATTENUATION MAY NOT EXCEED 0.30 DB/KM AT 1550 NM AND 0.40 DB/KM AT 1310 NM.IF ANY OF THE ABOVE CONDITIONS ARE NOT MET, THEN TAKE APPROVED CORRECTIVE ACTION, INCLUDING REMAKING SPLICES OR REPLACING COMPLETE SEGMENTS OF FIBER OPTIC CABLE, AS REQUIRED. CORRECTIVE ACTION WILL BE AT NO ADDITIONAL COST TO THE COUNTY.
- THE CONTRACTOR SHALL NOT CUT OR DAMAGE EXISTING FIBER OPTIC CABLES OR FIBER OPTIC SPLICE ENCLOSURES. WHEN HANDLING THE EXISTING FIBER OPTIC CABLES, THE CONTRACTOR SHALL PROTECT THE CABLES FROM EXCEEDING THE MAXIMUM BEND RADIUS OF 14 INCHES.
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- ALL CABLING AND SPLICE ENCLOSURES IN JUNCTION BOXES SHALL BE NEATLY ARRANGED.
- ALL RELOCATED COUNTY FIBER JUNCTION BOXES SHALL BE REPLACED BY COUNTY STANDARD 61-04 TYPE 4 JUNCTION BOXES.

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.
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- 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.

Dominion Commitment/Conceptual Design Acceptance Letter

September 29, 2021

Arlington County Government
2100 Clarendon Blvd., Suite 800
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements
S. Oakland Street to S. Wakefield Street
(Segment F)
Arlington, VA

To Whom It May Concern:

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 September 9, 2021 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 accepts the preliminary design of Columbia Pike Multimodal Street Improvements -S. Oakland Street to S. Wakefield Street (Segment F) 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 infrastructures 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 703-228-3639.

Sincerely,

Arjun Joshi

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 Stearns
(Print Full Name)

Signature: Denise Stearns Date: 10/1/21
Designated Dominion Supervisor

DEV Project Number: 1075326

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 F
STA. 143+00 TO STA. 148+00

SCALE: HOR. 1" = 25' VERT. N/A SHEET: F21.3 of F21.48



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



Rinker Design
Associates, P.C.

11100 Endeavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 358-7373

Seal Date



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

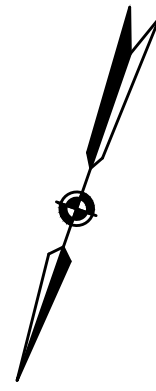
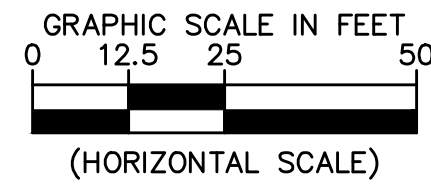
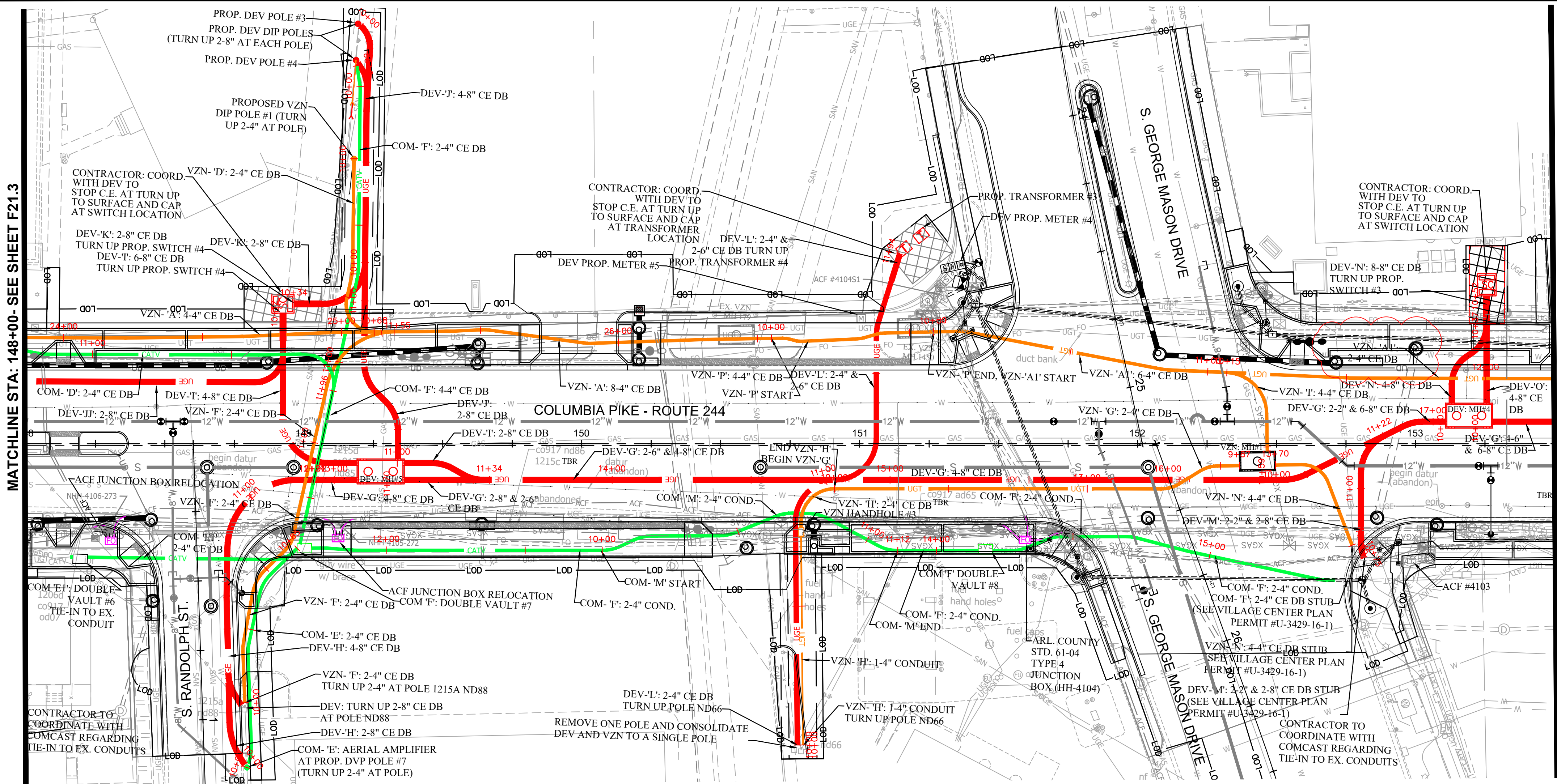
Designed: RDA
Drawn: KCC
Checked: SDD
Miss Utility Transmittal #:

Filename: 010073-F-Dry Utility Plan & Details.dwg
Path:
Plotted: October 18, 2021
Plotted by: sdusza



DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE



Dominion Commitment/Conceptual Design Acceptance Letter

September 29, 2021

Arlington County Government
2100 Clarendon Blvd., Suite 800
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements
S. Oakland Street to S. Wakefield Street
(Segment F)
Arlington, VA

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Should you have any questions regarding this plan, feel free to contact me at 703-228-3639.

Sincerely,
Arjun Joshi

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 Adams
(Print Full Name)

Signature: [Signature] Date: 10/1/21
Designated Dominion Supervisor

DEV Project Number: 10375326

Last Updated: May 18, 2011.

LEGEND	
	PROP. DOMINION ENERGY VIRGINIA DUCT BANK
	PROP. VERIZON COMMUNICATION DUCT BANK
	PROP. COMCAST CABLE DUCT BANK
	PROP. ARLINGTON COUNTY FIBER OPTIC LINE
	PROP. DOMINION ENERGY VIRGINIA 8' x 16' x 8' MANHOLE
	PROP. DOMINION ENERGY VIRGINIA PAD-MOUNTED TRANSFORMER
	PROP. DOMINION ENERGY VIRGINIA SWITCH CABINET
	PROP. DOMINION ENERGY VIRGINIA POLE, GUY WIRE AND DIMENSION
	PROP. CLEAR ZONE FOR TRANSFORMER AND HANDHOLE ACCESS
	EXIST. UNDERGROUND ELECTRIC LINE
	EXIST. UNDERGROUND TELECOMMUNICATION LINE
	EXIST. UNDERGROUND FIBER OPTIC LINE
	EXIST. UNDERGROUND ARLINGTON COUNTY FIBER OPTIC LINE
	EXIST. UNDERGROUND CABLE LINE
	EXIST. GAS LINE
	EXIST. WATER LINE
	EXIST. SANITARY SEWER LINE
	EXIST. GAS LINE TO BE ABANDONED

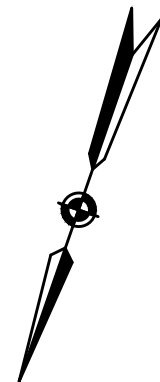
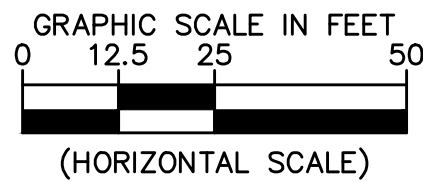
- JUNCTION BOX RELOCATION NOTES**
- CONTRACTOR SHALL SUBMIT SPLICE ENCLOSURES FOR COUNTY DTS ENGINEER APPROVAL.
 - ANY WORK ON OR INVOLVING ACF HANDHOLES WITH LIVE FIBER IN IT, MUST BE PERFORMED BY THE ARLINGTON COUNTY FIBER CONTRACTOR. CALL CONNECTARLINGTON AT 703.228.7726 FOR THE CONTACT INFORMATION OF THE COUNTY'S FIBER CONTRACTOR.
 - NO COUNTY FIBER MAY BE CUT EXCEPT BY THE HAND OF A CONNECTARLINGTON ENGINEER.
 - CONTRACTOR SHALL RE-SPLICE ALL FIBERS TO LIKE COLORED FIBERS AND SHALL MATCH LIKE COLORED BUFFER TUBES WITH LIKE COLORED BUFFER TUBES.
 - CONTRACTOR SHALL PERFORM BI-DIRECTIONAL OTDR TESTING ON ALL OF THE 144 FIBER OPTIC CABLES AND THE 12 FIBER CABLE FROM THEIR TERMINATION POINTS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO GAIN ACCESS TO THE NEAREST FIBER TERMINATION POINTS FOR THE ITS AND DTS 144 FIBER OPTIC CABLES TO PERFORM TESTING.
 - THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH BI-DIRECTIONAL OTDR TEST RESULTS IN PDF FORMAT FOR APPROVAL. NO WORK SHALL BE ACCEPTED IF THE FOLLOWING REQUIREMENTS ARE NOT MET:
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- NOTES**
- MAINTAIN A MINIMUM 5' SEPARATION BETWEEN EXISTING POLES AND PROPOSED DUCTBANK AT ALL LOCATIONS.
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ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRY UTILITY RELOCATION 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: F21.4 of F21.49
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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

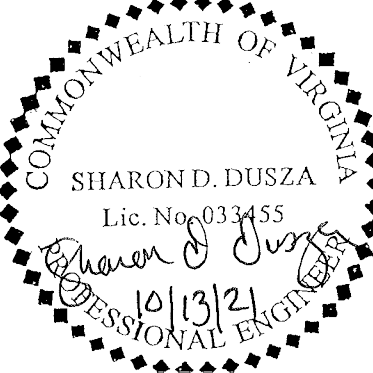


**Rinker Design
Associates, P.C.**

11100 Endeavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 368-7373

Seal

Date _____



Approvals

Date _____

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions

Date _____

Designed: RDA

Drawn: KCC

Checked: SDD

Miss Utility Transmittal #

Filename: 010073-F-Dry Utility Plan & Details.dwg

Path

Plotted: October 13, 2021

Plotted by: sdusza

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

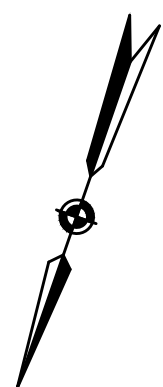
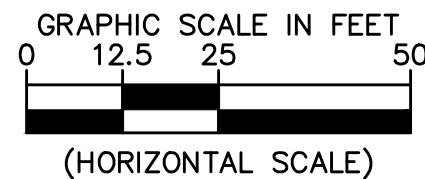
DRY UTILITY RELOCATION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 153+25 TO STA. 158+50

SCALE: HOR 1" = 25' VERT N/A

SHEET: F21.5 of F21.49

DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
PROVAL DATA

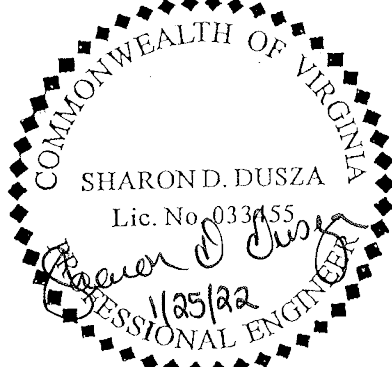


DEPARTMENT OF
ENVIRONMENTAL SERVICES

Facilities & Engineering Division
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Arlington, VA 22201
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Fax: 703.228.3606


**Rinker Design
Associates, P.C.**
11100 Endeavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 368-7373

Seal _____ Date _____



Approvals	Date
-----------	------

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

[illegible]

Designed: RDA
 Drawn: KCC
 Checked: SDD
 Miss Utility Transmittal #

Filename: 010073-F-Dry Utility Plan & Details.dwg
 Path: M:\work\16094\16094-002 Columbia Pike all Phases\Siteplan\Segment F
 Plotted: January 27, 2022
 Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRY UTILITY RELOCATION 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: F21.7 of F21.49

Dominion Commitment/Conceptual Design Acceptance Letter

September 29, 202

Arlington County Government
2100 Clarendon Blvd., Suite 800
Arlington, VA 22201

Re: Columbia Pike Multimodal Street Improvements
S. Oakland Street to S. Wakefield Street
(Segment F)
Arlington, VA

To Whom It May Concern

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 September 9, 2021 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.

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

Any changes DEW 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 703-228-3639.

Sincerely

Arjun Joshi

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: [Signature], Date: 10/1/21
Designated Dominion Supervisor

DEV Project Number: 10375326

Last Updated: May 18, 2011

NOTES

1. MAINTAIN A MINIMUM 5' SEPARATION BETWEEN EXISTING POLES AND PROPOSED DUCTBANK AT ALL LOCATIONS.
2. FACILITIES ARE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
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Prop. Storm Catch Basin

Ex. Storm Catch Basin

Prop. Storm Grate

Ex. Storm Grate

Prop. Storm MH

Ex. Storm MH

Prop. Sanitary MH

Ex. Sanitary MH

Prop. Cobra Head Light

Prop. Carlyle Light

Prop. Light Pole (BY Others)

Ex. Light Pole

Prop. Utility Pole

Ex. Utility Pole

Ex. Utility MH (Type Indicated Elec. Tele. etc)

Prop. Water MH

Ex. Water MH

Prop. Water Valve

Ex. Water Valve

Prop. Water FH

Ex. Water FH

Prop. Water Meter

Ex. Water Meter

P.K. Nail Found

P.K. Nail Set

Rebar Rod Found

Rebar Rod Set

Iron Pipe

Monument (GPS)

Monument

Prop. Gas Valve

Ex. Gas Valve

Prop. Handicap Ramp

Ex. Handicap Ramp

Metro Station

Benchmark

Deciduous Tree

Coniferous Tree

Shrub

Wooded Area

Bridge

North Arrow

Construction Notes (Leader to area affected)

C1 Curve Number (See Curve Table)

L1 Line Number (See Line Table)

Ex. Sanitary Sewer Structure Number (Number obtained from WSE)

Ex. Storm Sewer Structure Number (Number obtained from WSE)

Prop. Sanitary Sewer Structure Number (Number obtained from WSE)

Prop. Storm Sewer Structure Number (Number obtained from WSE)

Parking Meter

Mailbox

Ground Light

Traverse

Bus Sign

To Be Removed (TBR)

MANHOLE DIAGRAMS

NOT TO SCALE

PROPOSED CONDUIT

EXISTING CONDUIT

EMPTY WINDOW

EXISTING CONDUIT W/ CABLE

8'x16'x8' UTILITY VAULT (0'-5' COVER)

8'x16'x8' UTILITY VAULT (5'-10' COVER)

6'x12'x7' UTILITY VAULT (0'-5' COVER)

DOMINION ENERGY OF VIRGINIA DUCTBANKS

2-8"

2-6"

2-4"

1-4"

1-4" & 4-8"

4-8"

2-6" & 2-8"

2-4" & 2-6"

1-4" & 2-8"

2-4" & 2-8"

6-8"

2-6" & 4-8"

2-2" & 6-8"

2-4" & 4-8"

2-2" & 2-8"

4-4", 2-6" & 2-8"

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4-4", 2-6" & 2-8"

2-6" & 6-8"

1-4" & 6-8"

4-6" & 4-8"

2-8" & 8-8"

1-4" & 8-8"

8-8"

LEGEND

Abbreviations

DVP

VZN

COM

TBR

CE

DB

TH

ESMT

LP

DOMINION VIRGINIA POWER

VERIZON

COMCAST

TO BE REMOVED

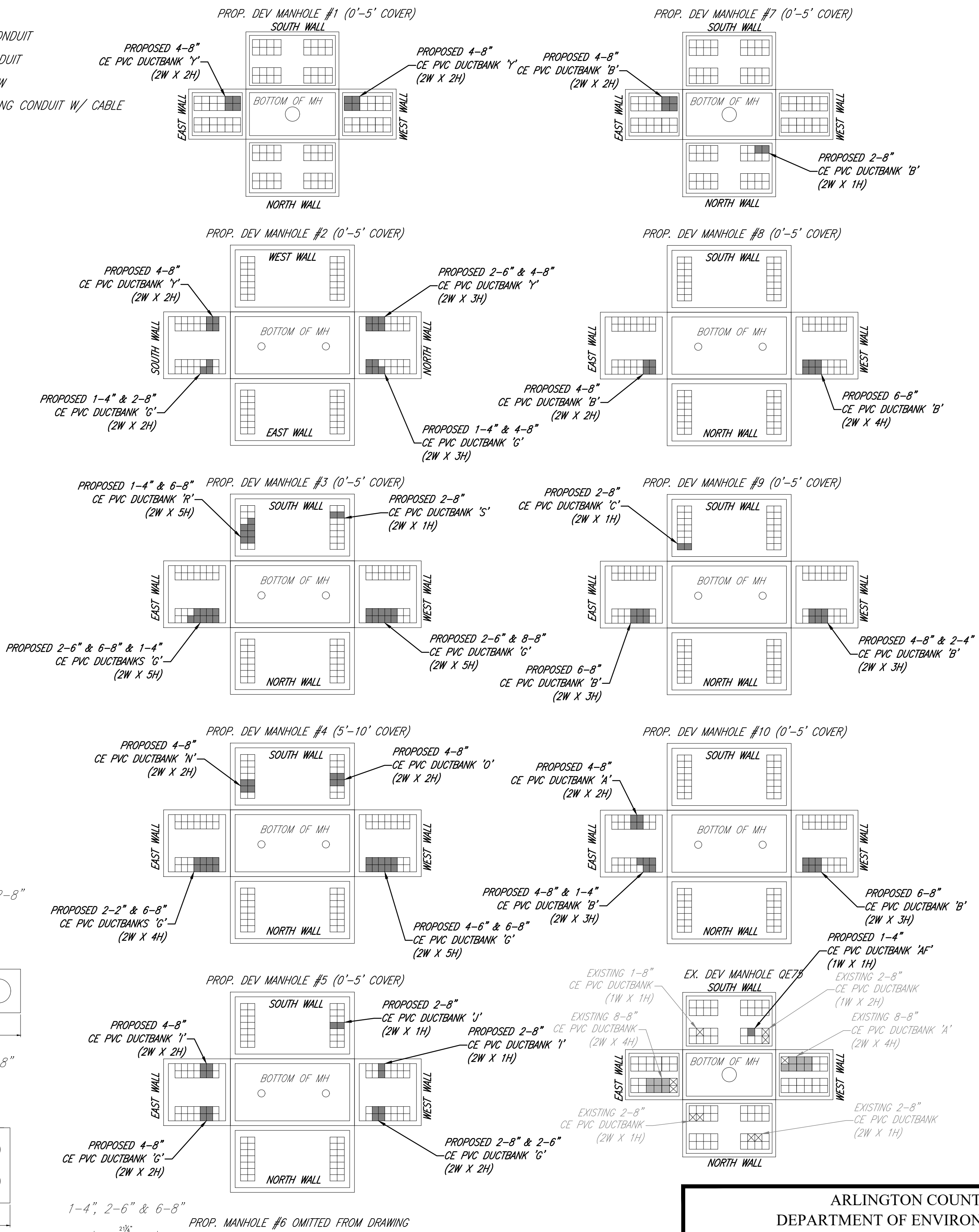
CONCRETE ENCASED

DUCTBANK

TEST HOLE/PIT

EASEMENT

LIGHT POLE



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

rdarinker design

Associates, P.C.

11100 Endavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 368-7373

Seal

Date

COMMONWEALTH OF VIRGINIA
SHARON D. DUSZA
Lic. No. 033455
Professional Engineer

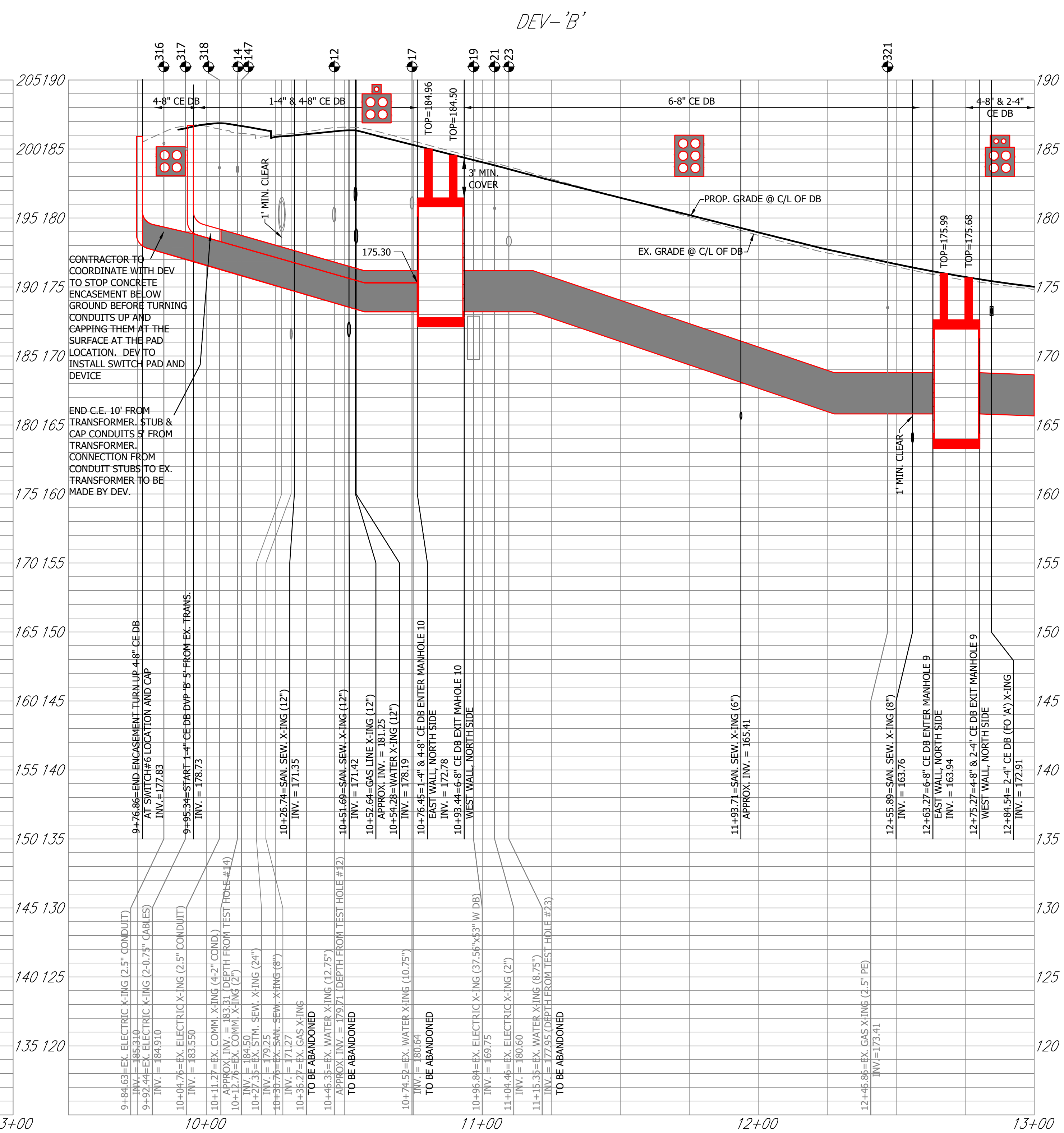
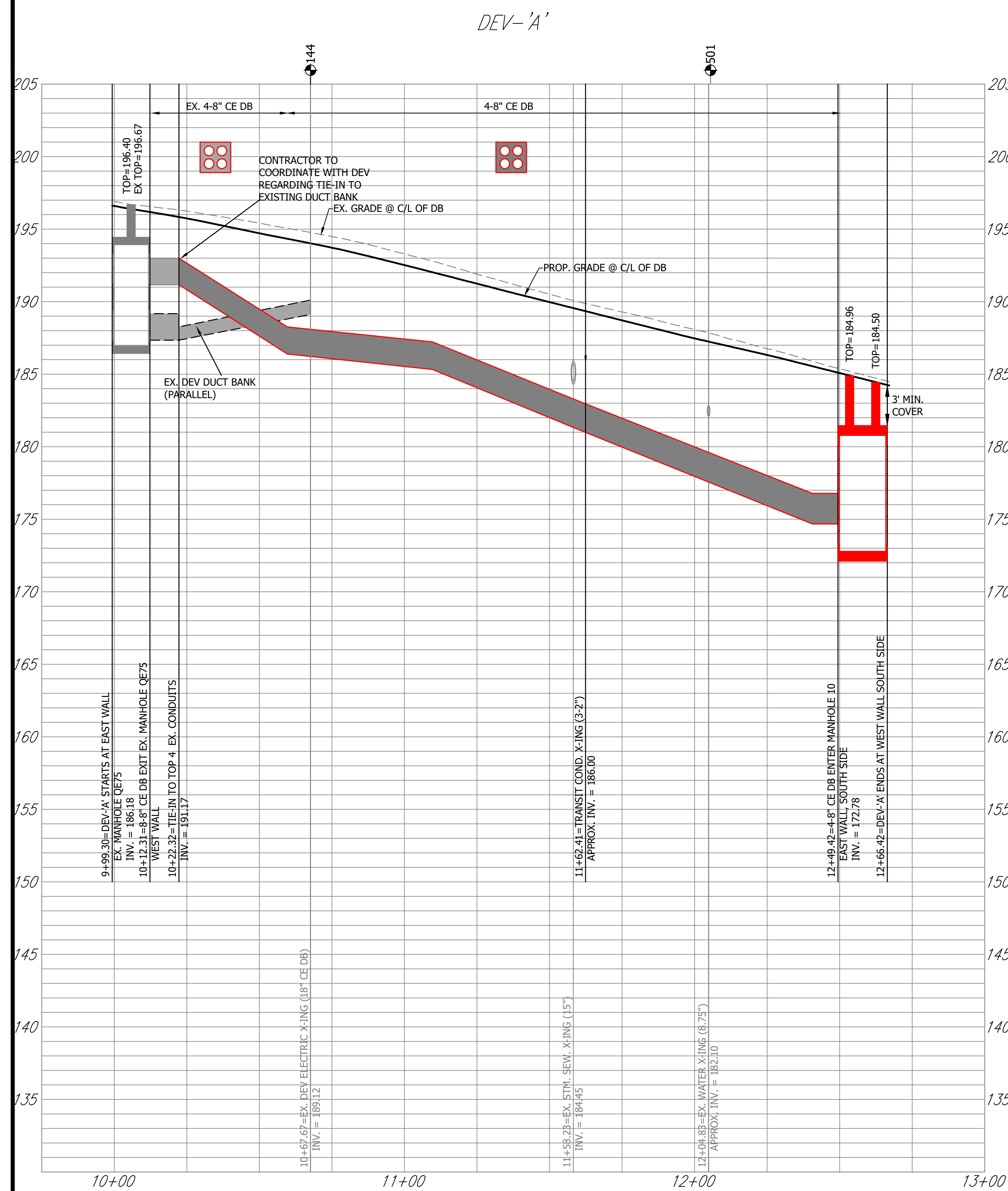
Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	
Revisions	Date

Designed: RDA
Drawn: KCC
Checked: SDD
Miss Utility Transmittal #:
Filename: 010073-F Dry Utility Plan & Details.dwg
Path: M:\work\010073-F Dry Utility Plan & Details\010073-F Dry Utility Plan & Details.dwg
Plotted: September 10, 2021
Plotted by: corcoran

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRY UTILITY DETAILS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. N/A VERT. N/A SHEET: F21.8 of F21.49



NOTE:
CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



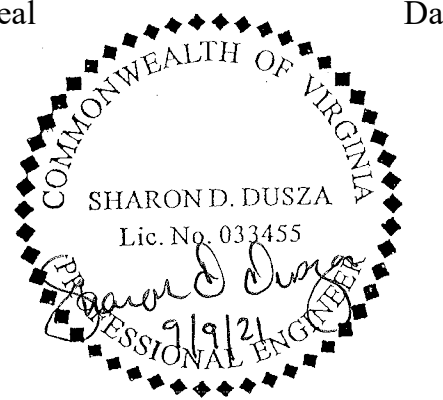
DEPARTMENT OF
ENVIRONMENTAL SERVICES

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



**Rinker Design
Associates, P.C.**

11100 Endeavor Court, Suite 200, Manassas VA, 20109
www.rdacivil.com
Telephone: (703) 368-7373



Approvals	Date
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Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager[illegible]

Designed:
Drawn:
Checked:
Miss Utility Transmittal #:

Filename: oPipe-DVP-SegF-110010073.dwg
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 Utilities\Segment F
 Plotted: September 10, 2021
 Plotted by: ccooper

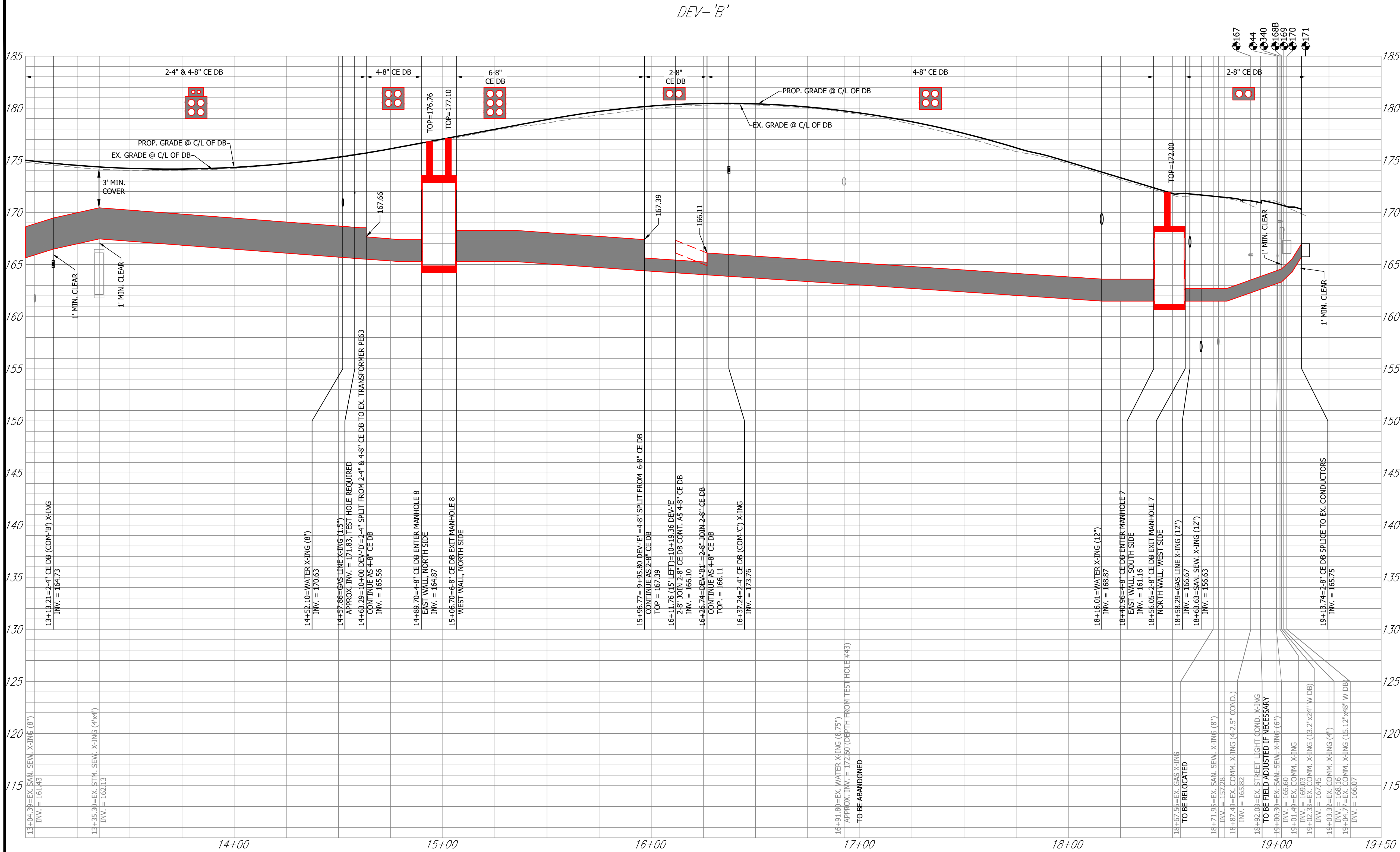
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5'	SHEET: F21.10 of F21.48
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DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
REMOVAL DATE



NOTE:

CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



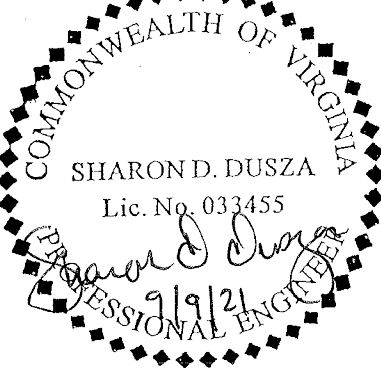
DEPARTMENT OF ENVIRONMENTAL SERVICES

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Seal Date



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Revisions	Date

Designed:
Drawn:
Checked:
Miss Utility Transmittal #:

Filename: oPipe-DVP-SegF-110010073.dwg

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Plotted: September 10, 2021

Plotted by: corcoran

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

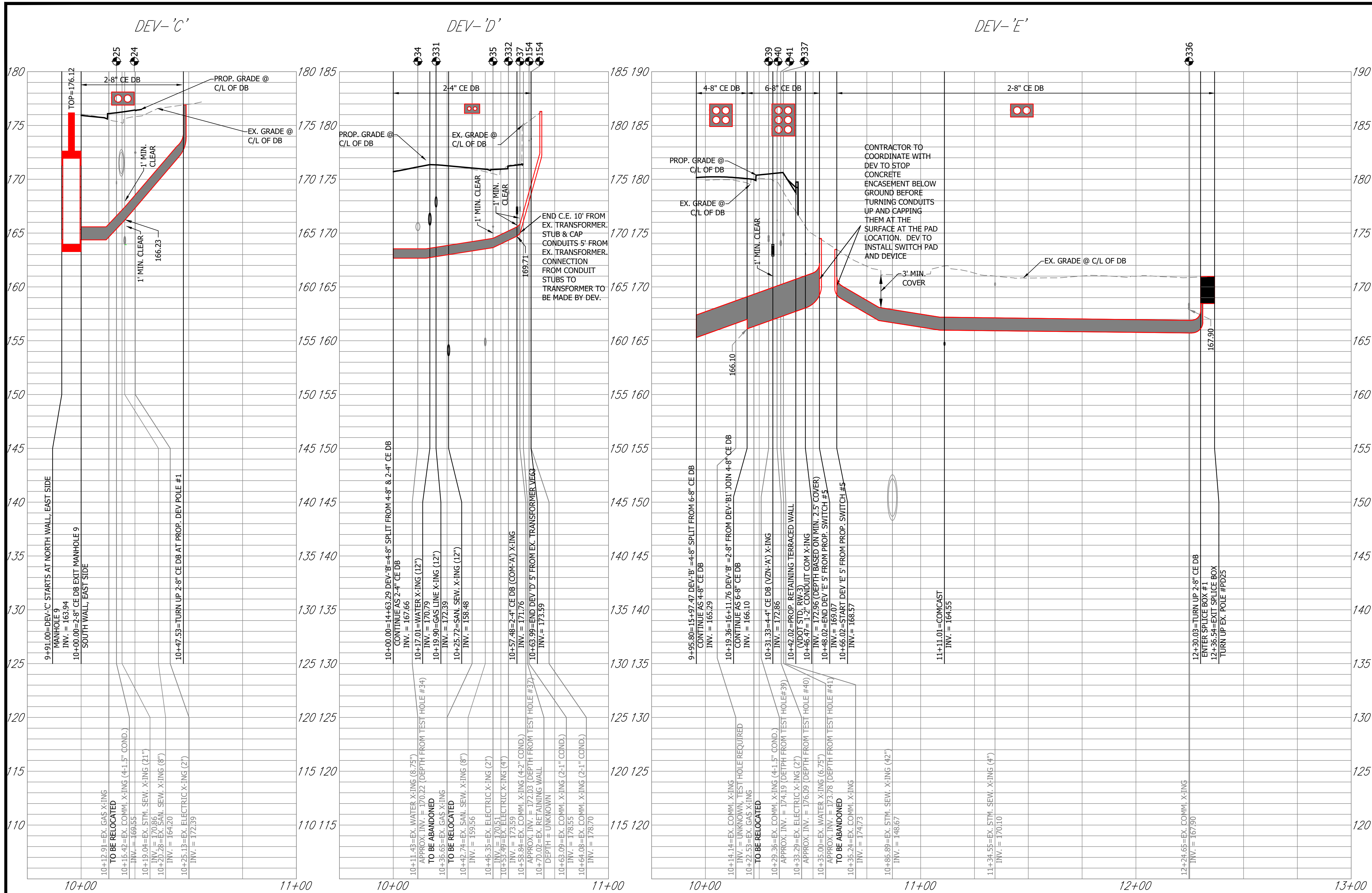
DEV PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.11 of F21.48



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021



NOTE:

CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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rda
Rinker Design Associates, P.C.
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Seal Date

SHARON D. DUSZA
Lic. No. 033455
Professional Engineer

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 #:

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Plotted: September 10, 2021
Plotted by: ccooper

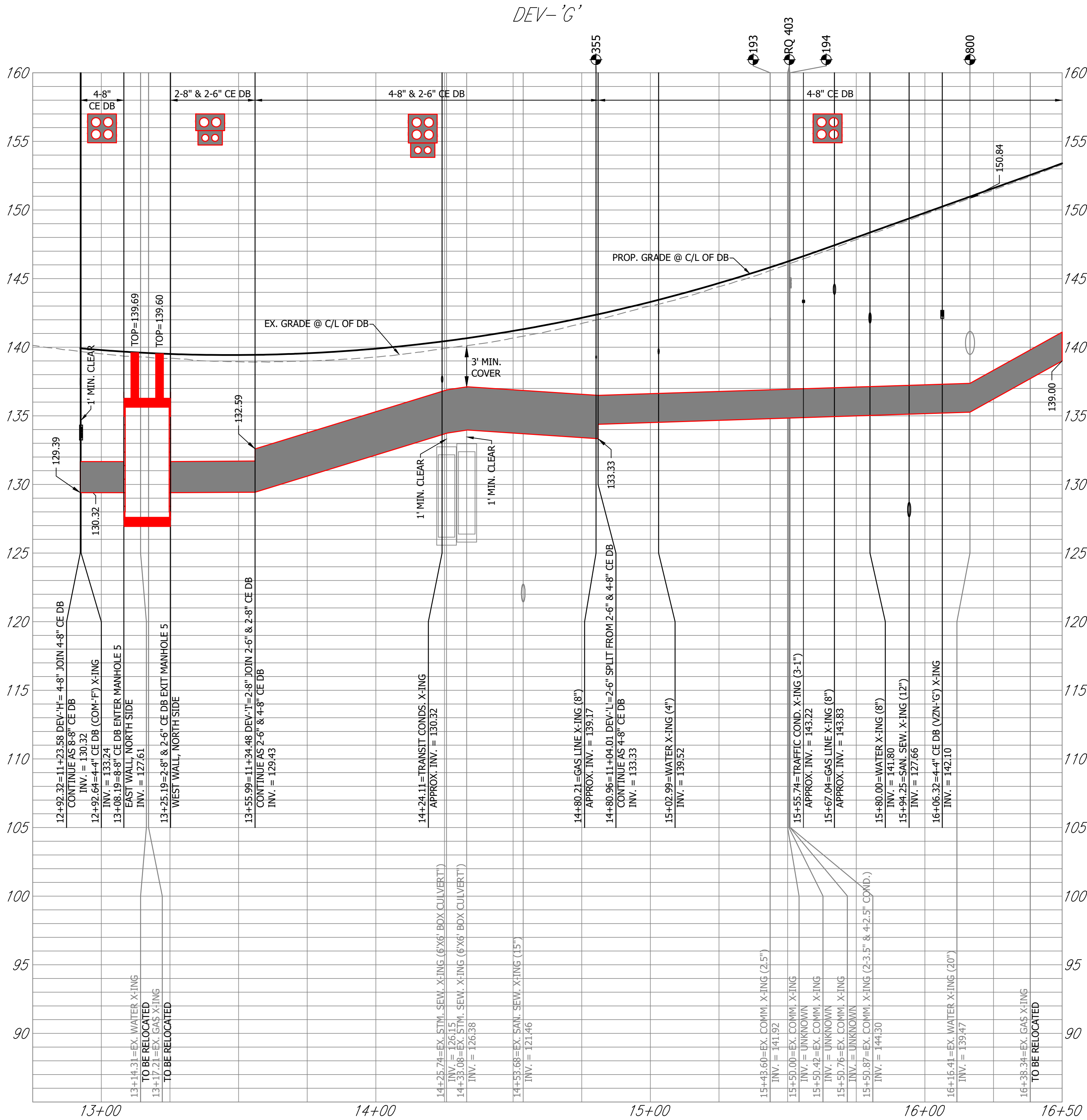
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.12 of F21.48

NOTE:

CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5'

SHEET: F21.13 of F21.48

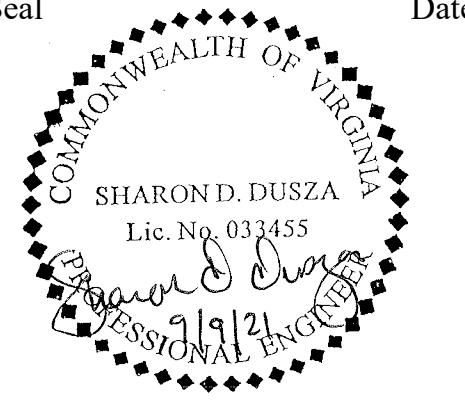

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DEPARTMENT OF
ENVIRONMENTAL SERVICES

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SealDate



ApprovalsDate

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions	Date

Designed:
Drawn:
Checked:
Miss Utility Transmittal #:

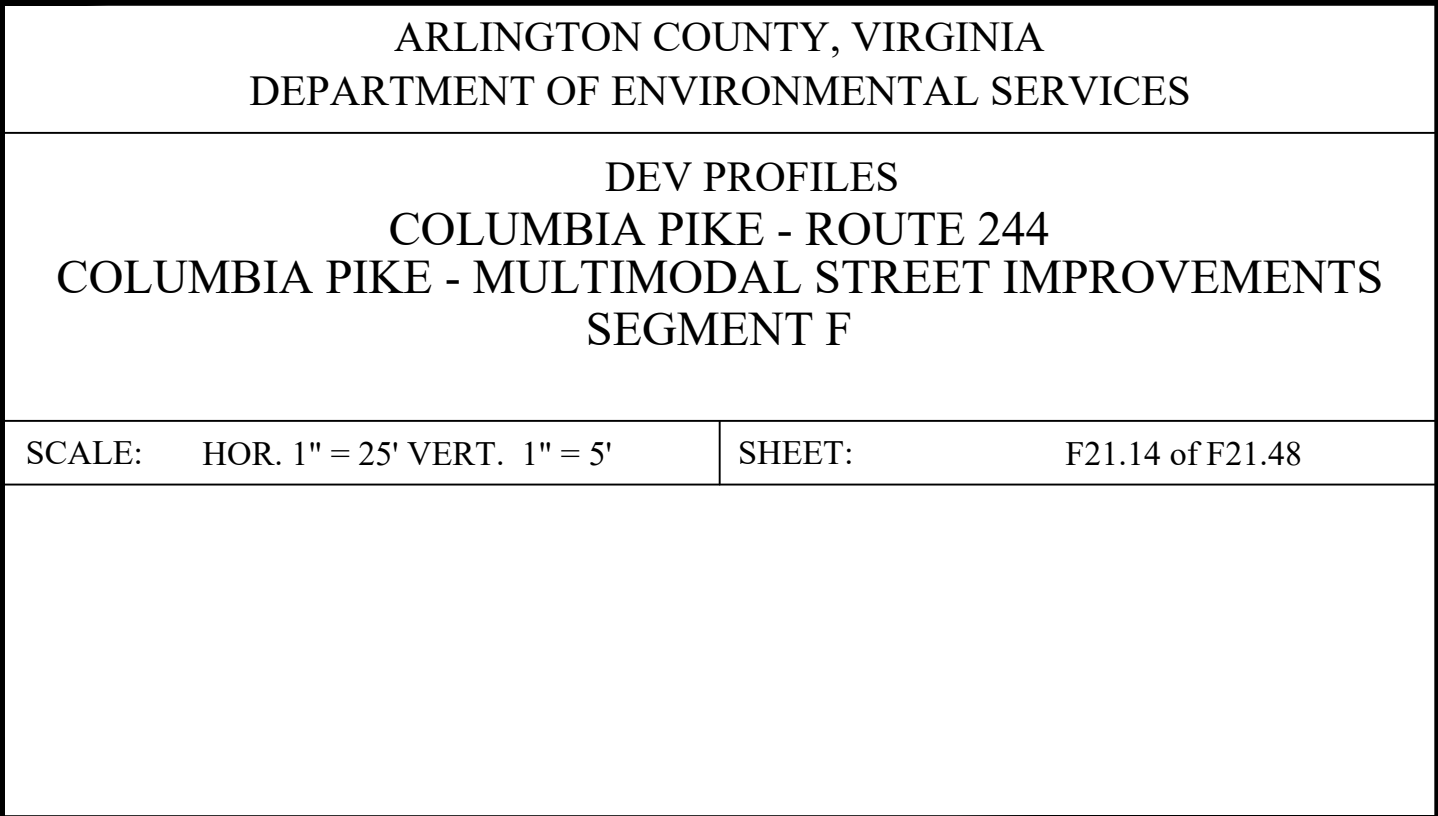
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Plotted by: ccooper


ARLINGTON
VIRGINIA

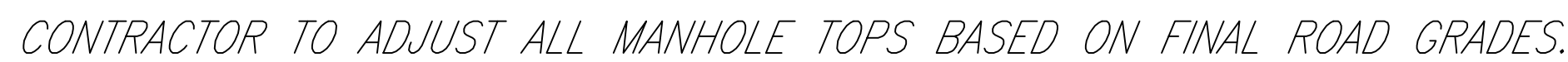
DEPARTMENT OF
ENVIRONMENTAL SERVICES


LUIS ARAYA
BUREAU CHIEF, DES. DEVELOPMENT SERVICES

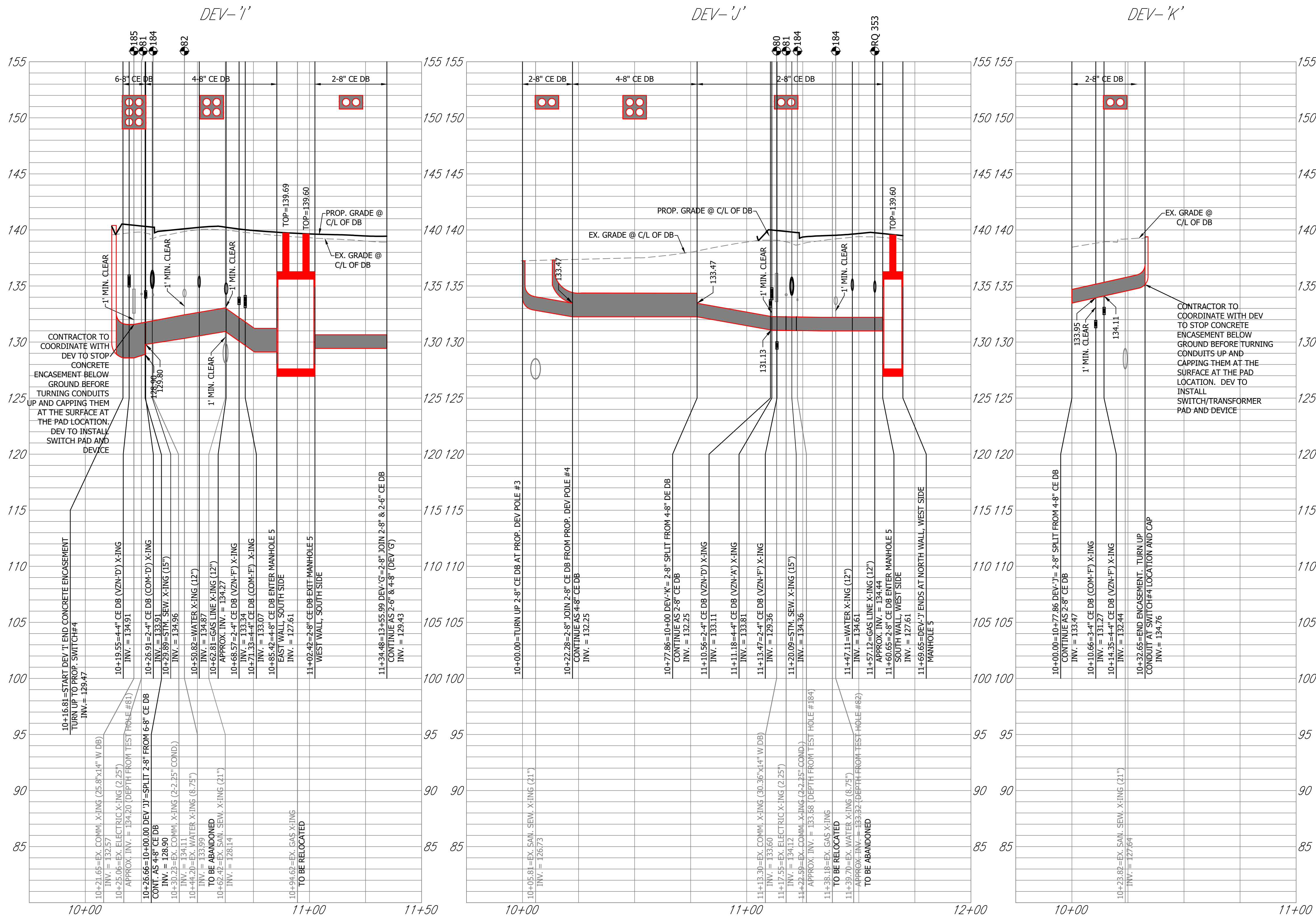
10/19/2021
APPROVAL DATE



CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



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 Utilities\Segment F
 Plotted: September 10, 2021
 Plotted by: ccooper



NOTE:

CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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Rinker Design Associates, P.C.
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Seal Date

COMMONWEALTH OF VIRGINIA
SHARON D. DUSZA
Lic. No. 033455
Professional Engineer

Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

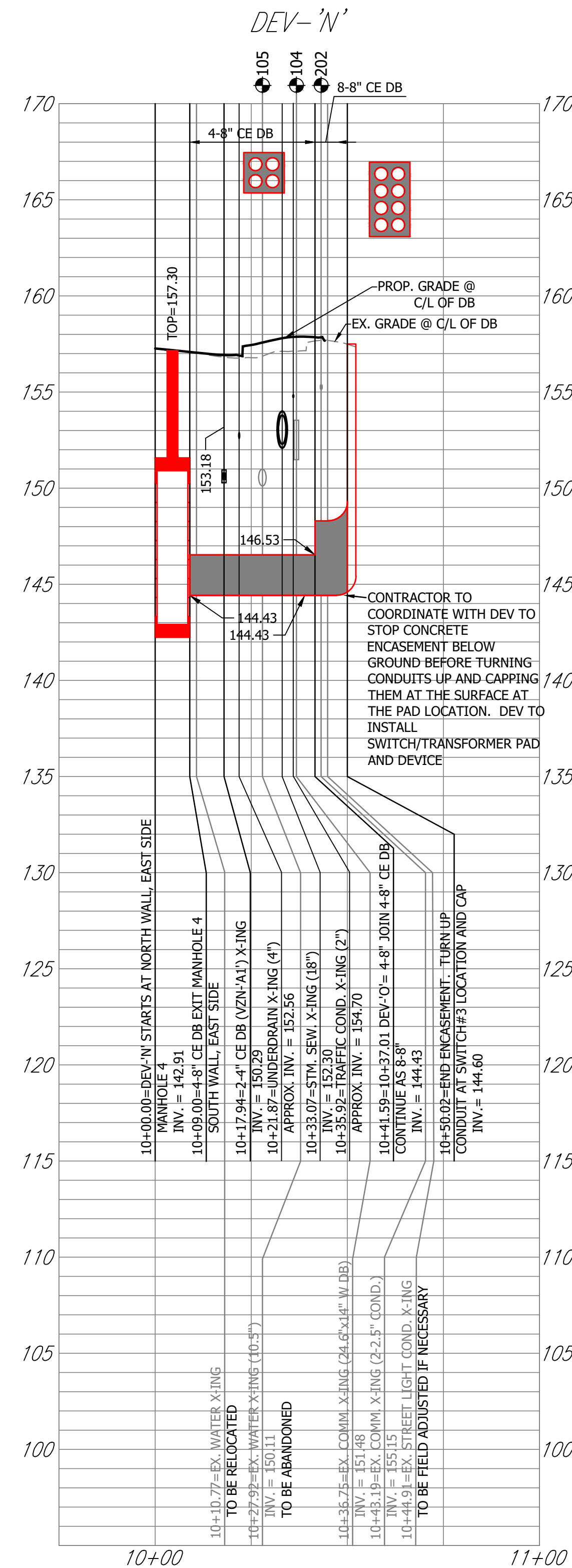
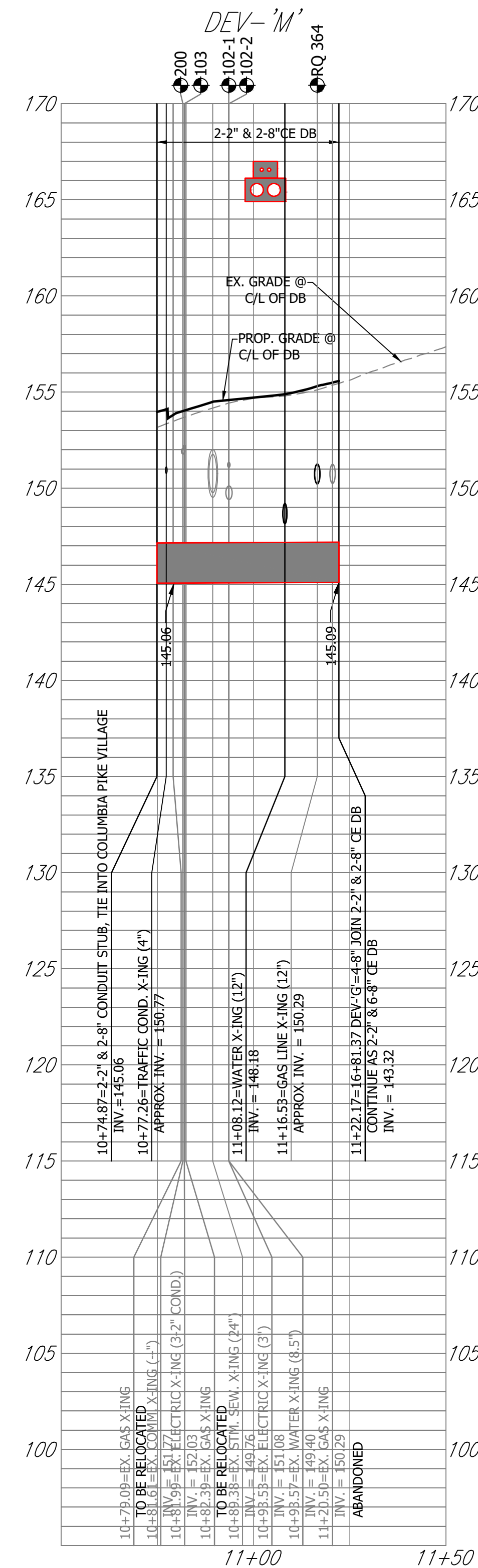
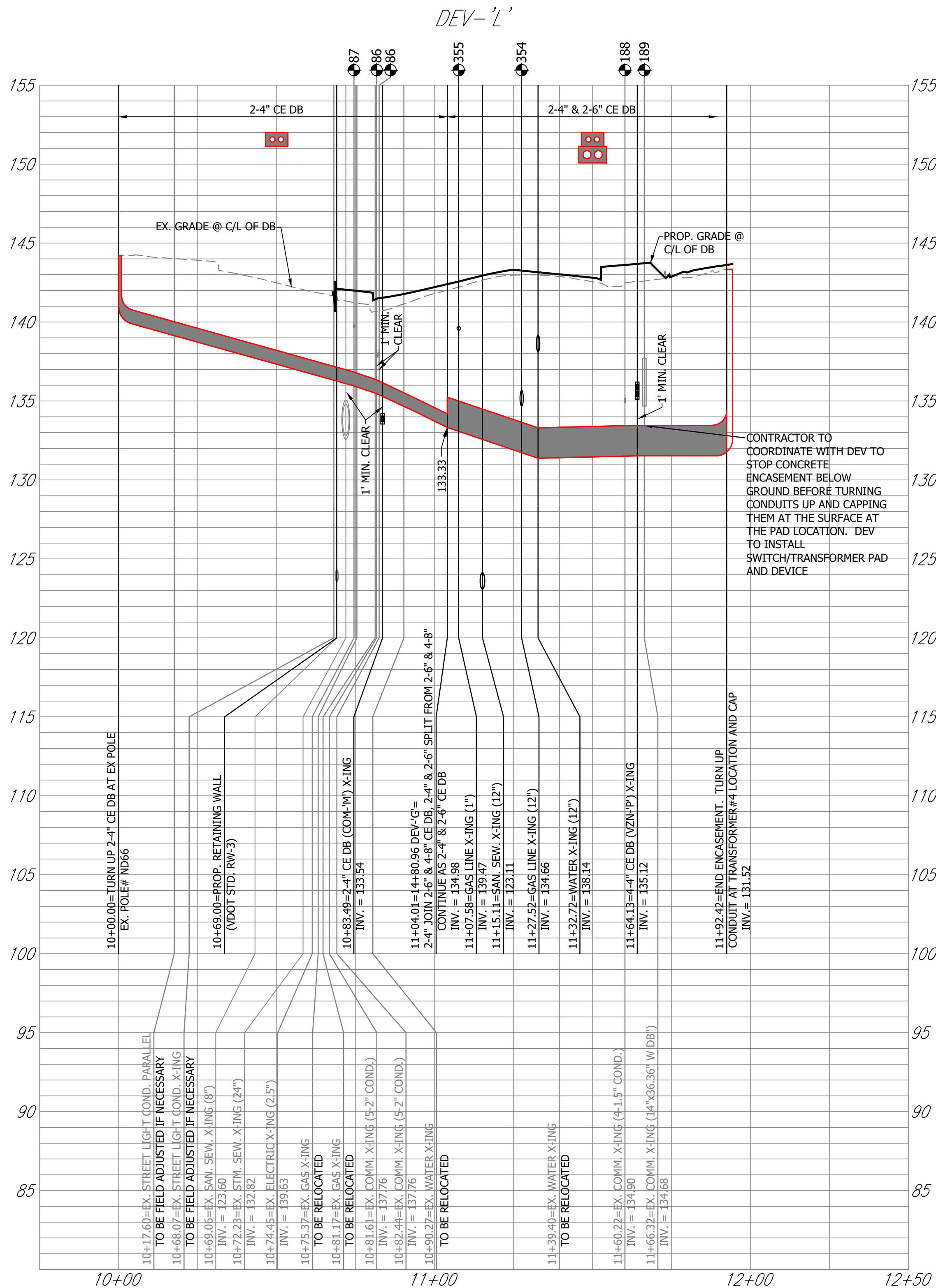
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Checked:
Miss Utility Transmittal #:

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Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

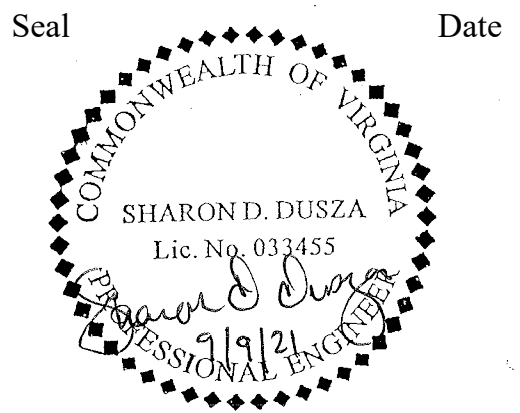
DEV PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.16 of F21.48



DEPARTMENT OF ENVIRONMENTAL SERVICES

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Phone: 703.228.3629
Fax: 703.228.3606



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 #: _____

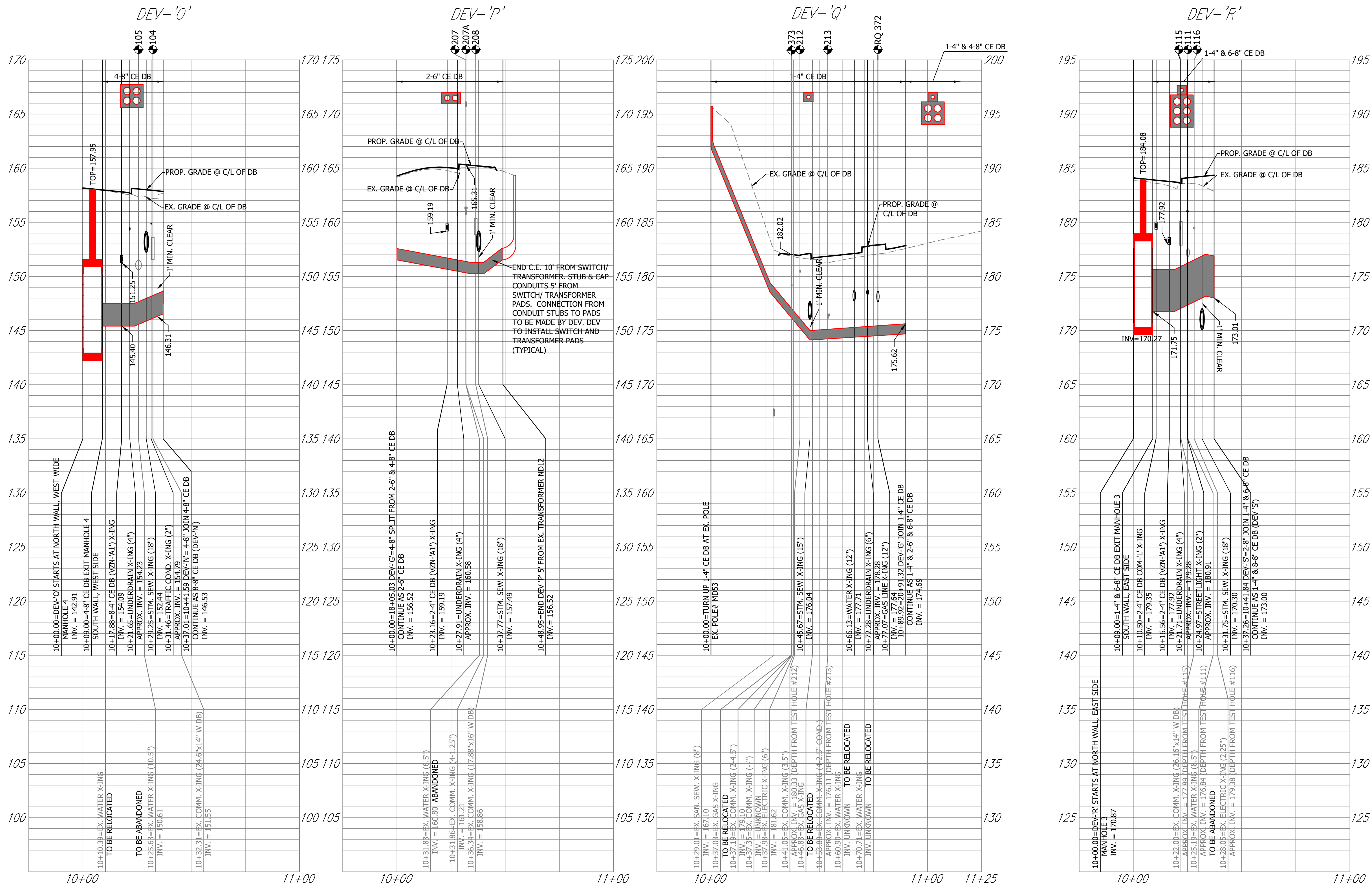
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Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.17 of F21.48

NOTE:
CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



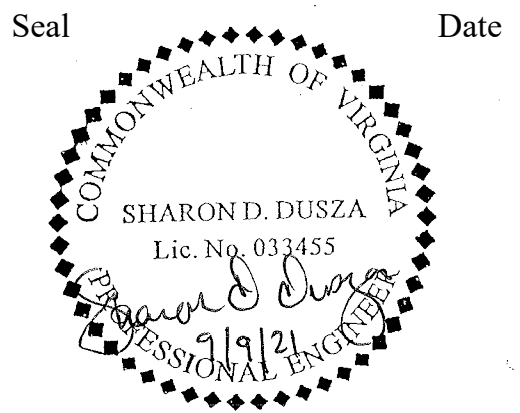
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Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions	Date

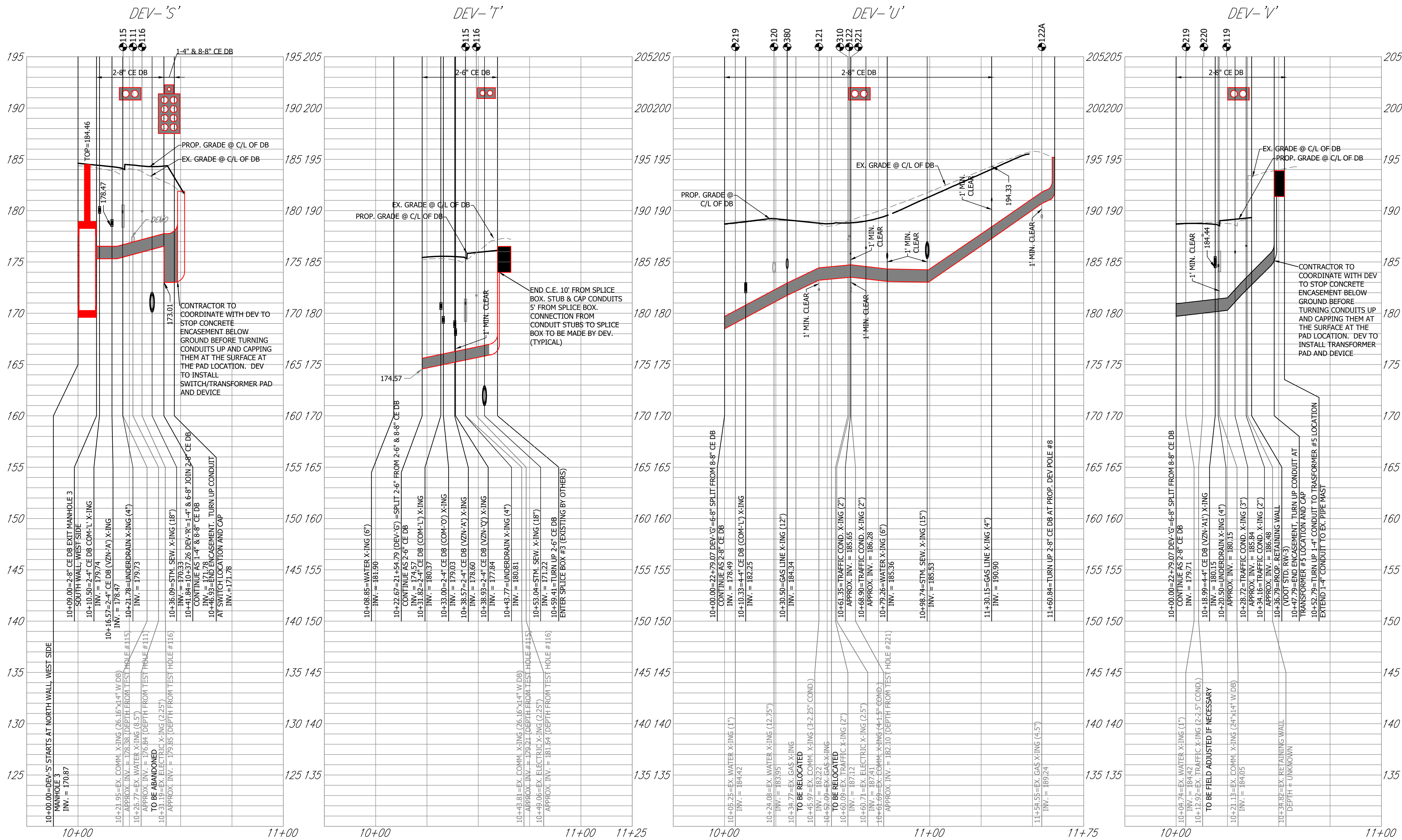
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Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.18 of F21.48



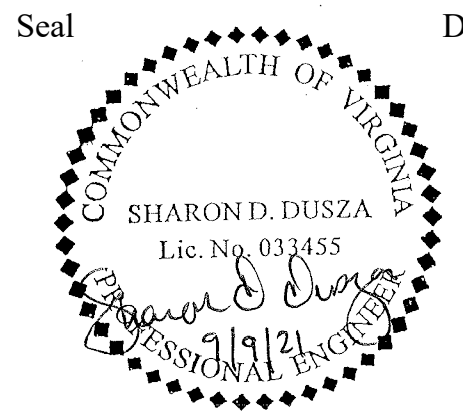
NOTE:

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DEPARTMENT OF ENVIRONMENTAL SERVICES

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Phone: 703.228.3629
Fax: 703.228.3606



Seal 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 #:

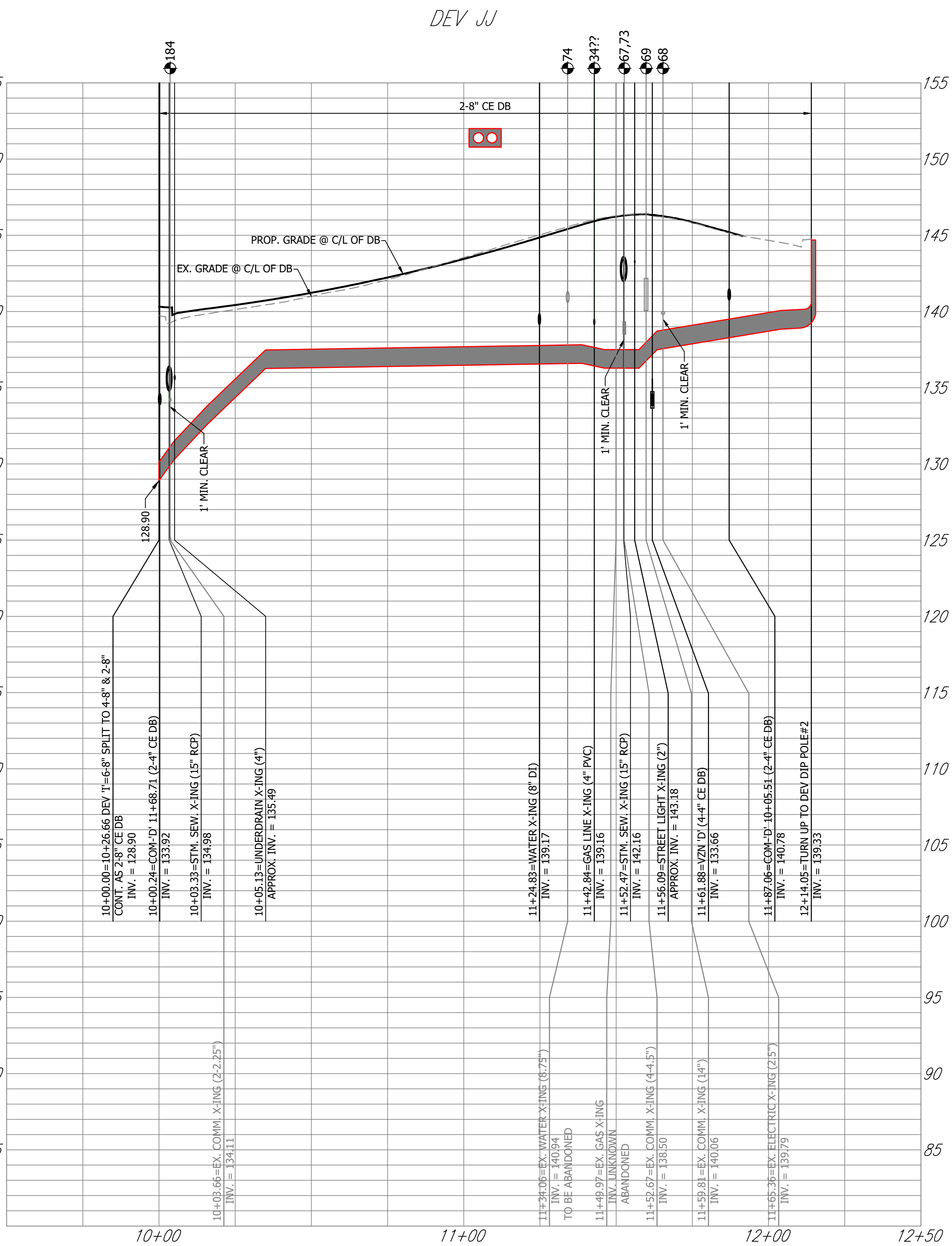
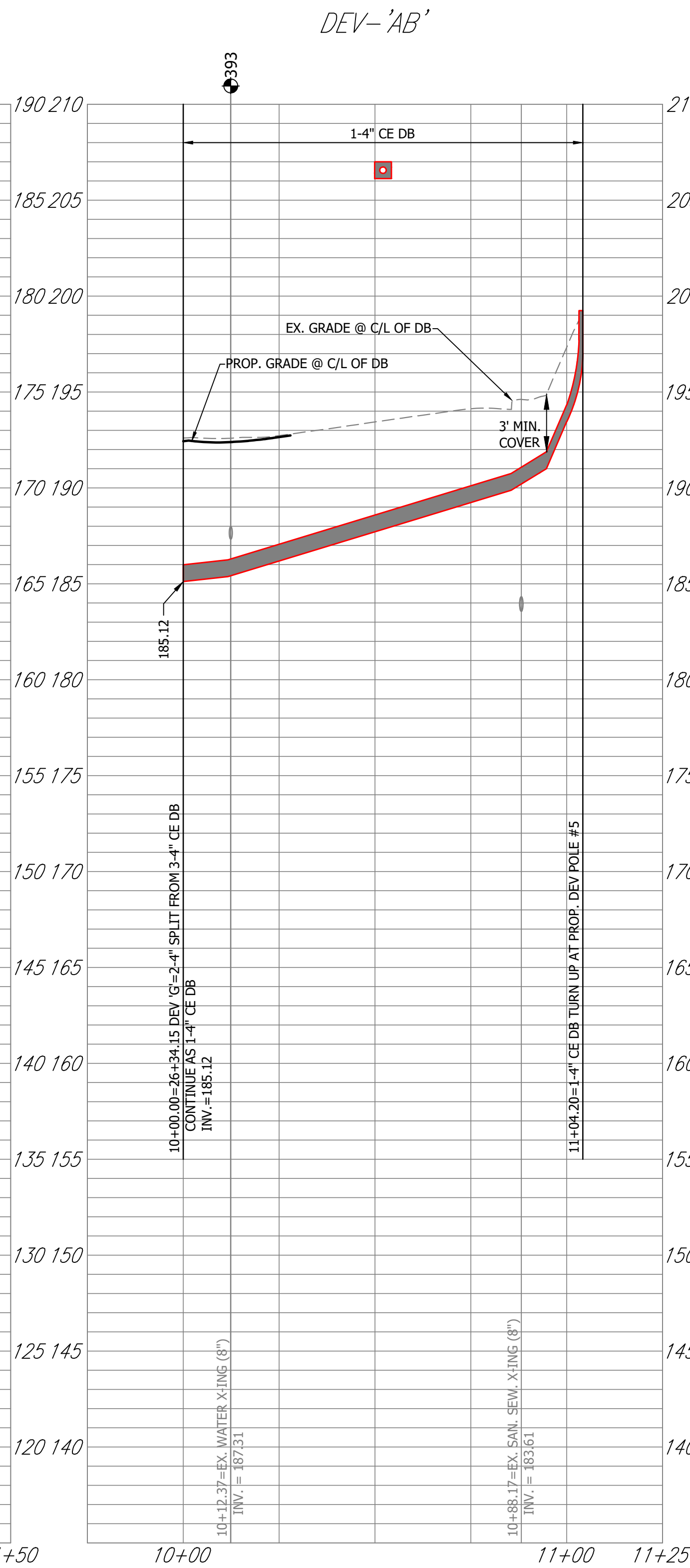
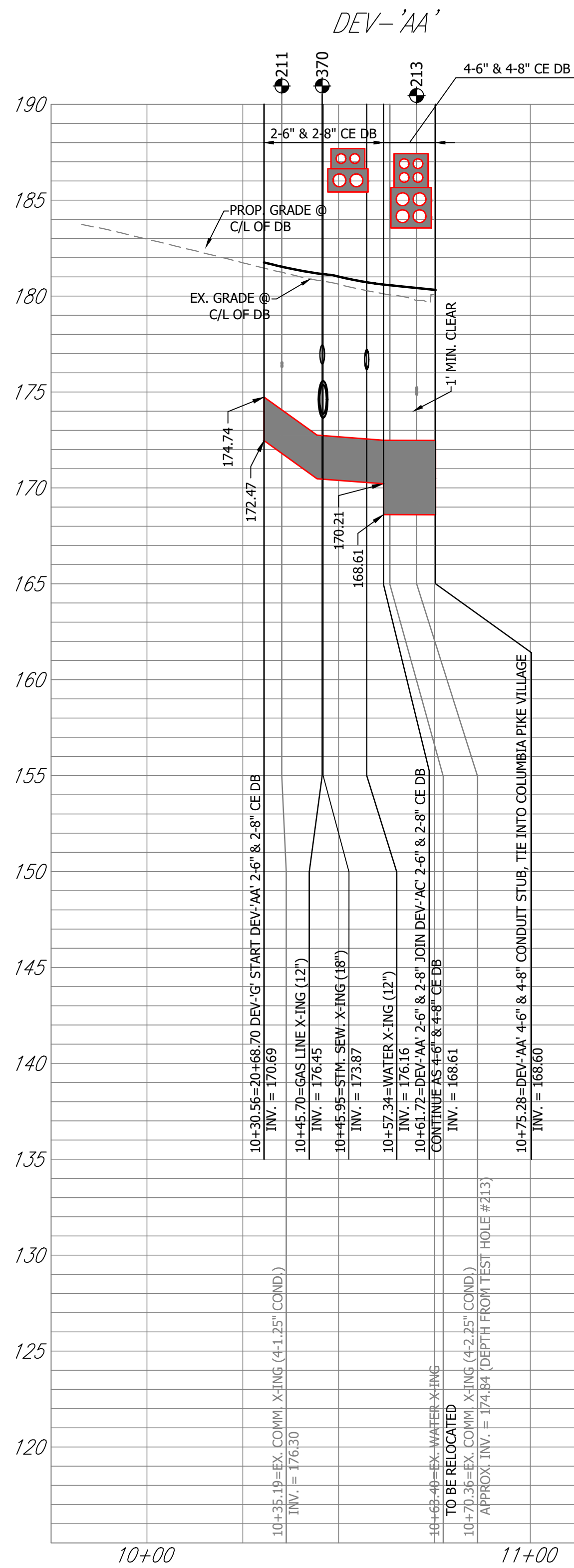
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\\1004\\Segment F
Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.19 of F21.48





NOTE:
CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



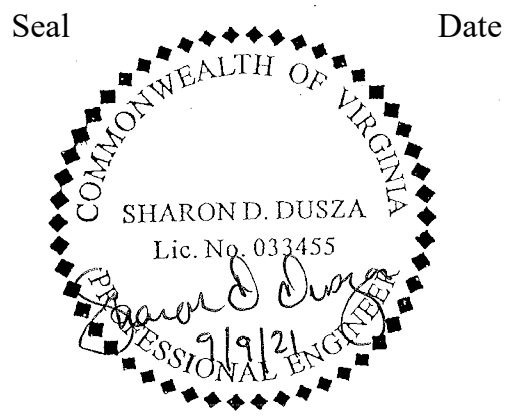
DEPARTMENT OF ENVIRONMENTAL SERVICES

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



Rinker Design Associates, P.C.

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www.rdacivil.com
Telephone: (703) 368-7373



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: oPipe-DVP-SegF-110010073.dwg
Path: \\fs01\0000\10004\002 Columbia Pike at PhaseC Comp.dwg
Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

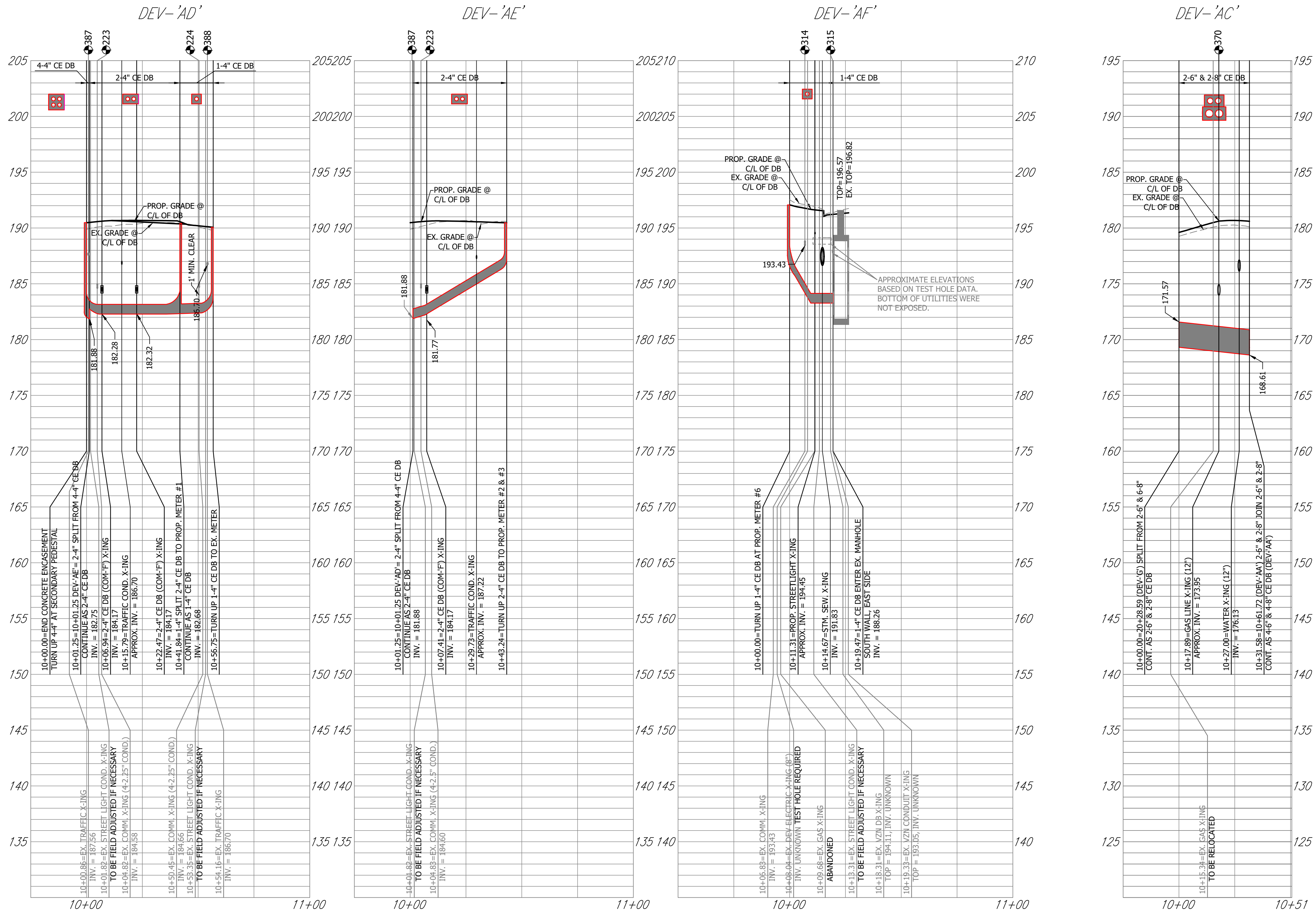
DEV PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.22 of F21.48



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE



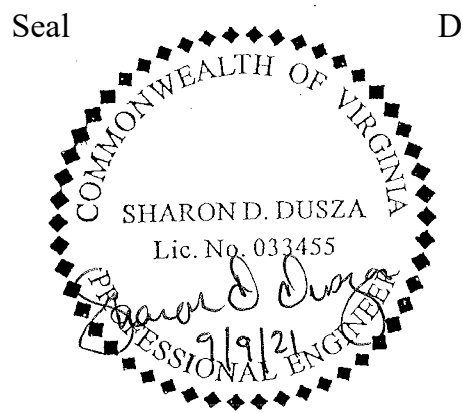
NOTE:

CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.



DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
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2100 Clarendon Boulevard, Suite 813
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Fax: 703.228.3606



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: oPipe-DVP-SegF-110010073.dwg
Path: \\fs01\10000\10004-002 Columbia Pike at PhaseC\Comp\Dr
Plotted: September 10, 2021
Plotted by: ccooper

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

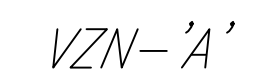
DEV PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F21.23 of F21.48



DEPARTMENT OF ENVIRONMENTAL SERVICES

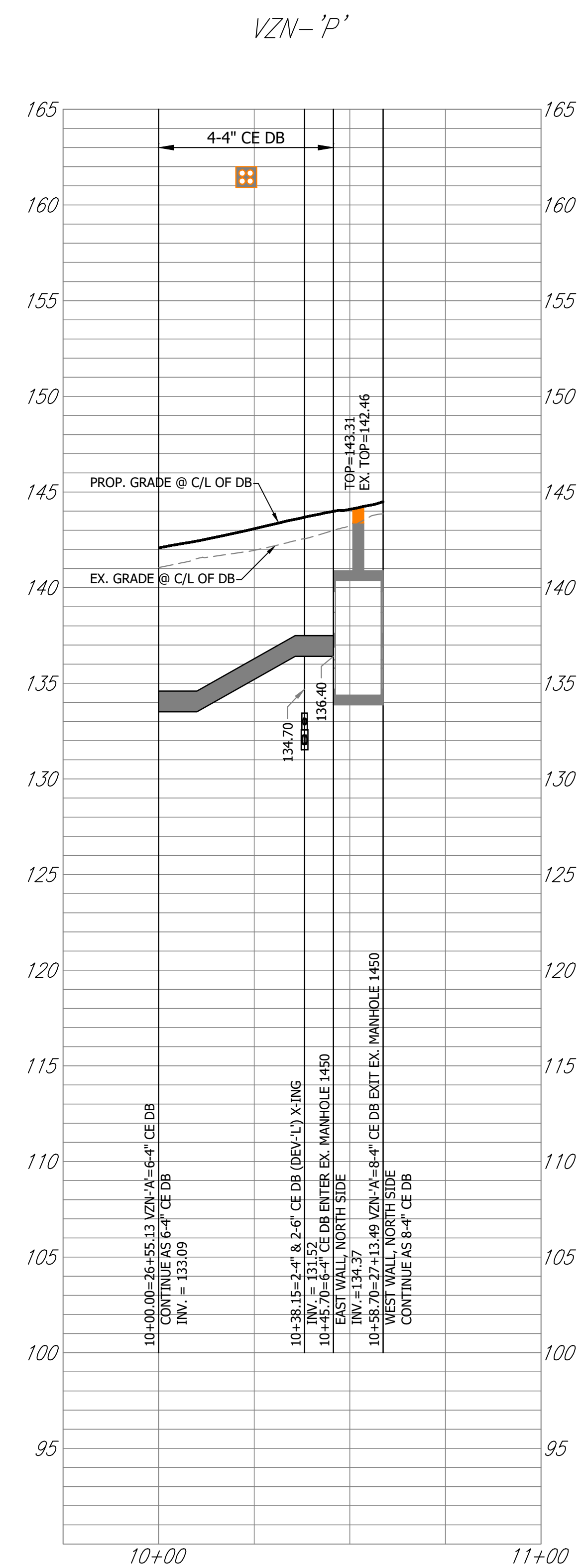
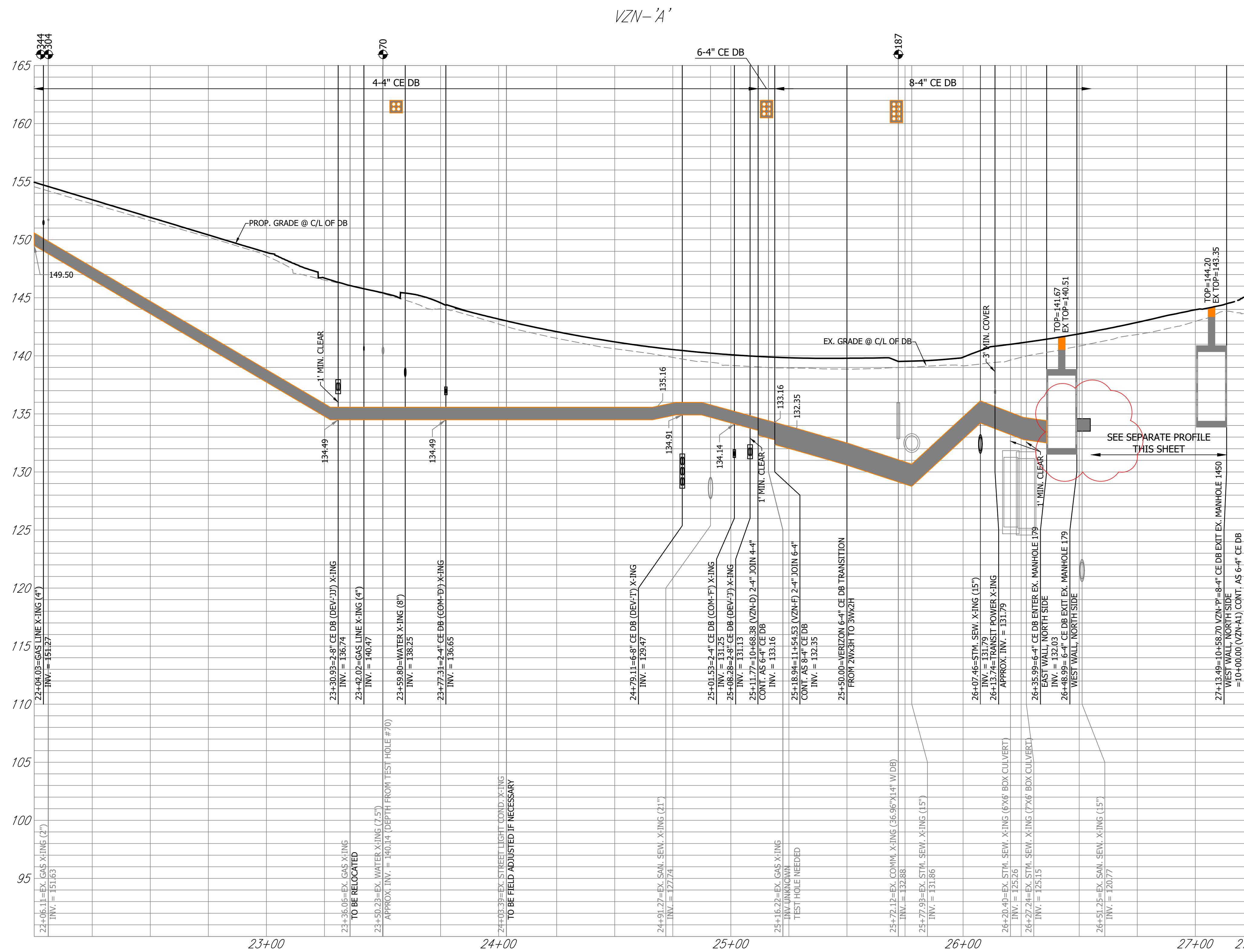
10/19/2021
APPROVAL DATE



CONTRACTOR TO ADJUST ALL MANHOLE TOPS BASED ON FINAL ROAD GRADES.

Figure 1

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
VERIZON PROFILES COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F	
SCALE: HOR. 1" = 25' VERT. 1" = 5'	SHEET: F21.24 of F21.48



NOTE:

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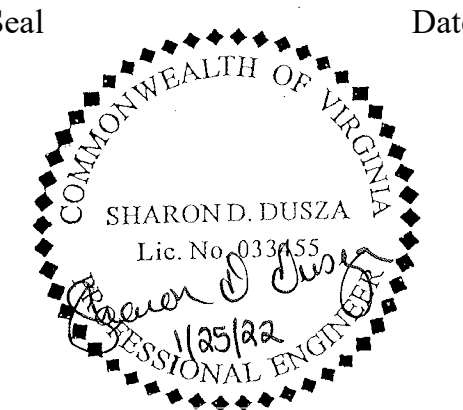
DEPARTMENT OF
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Approvals	Date
-----------	------

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager[illegible]

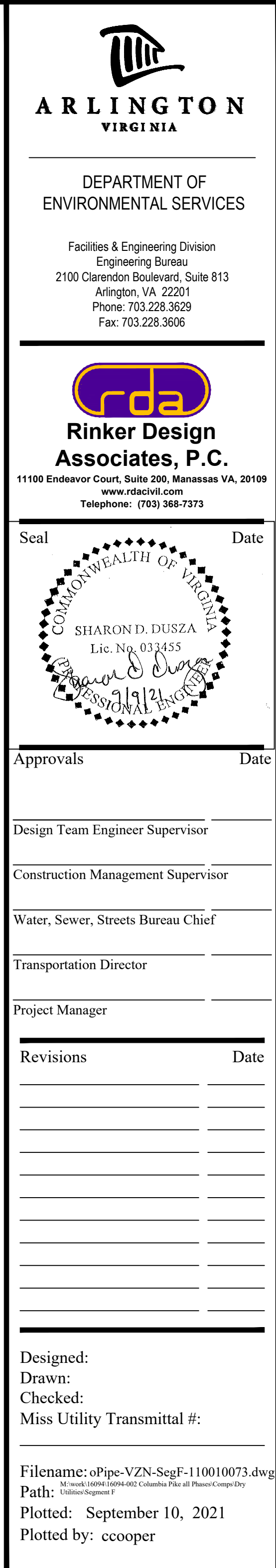
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 Plotted by: ccooper

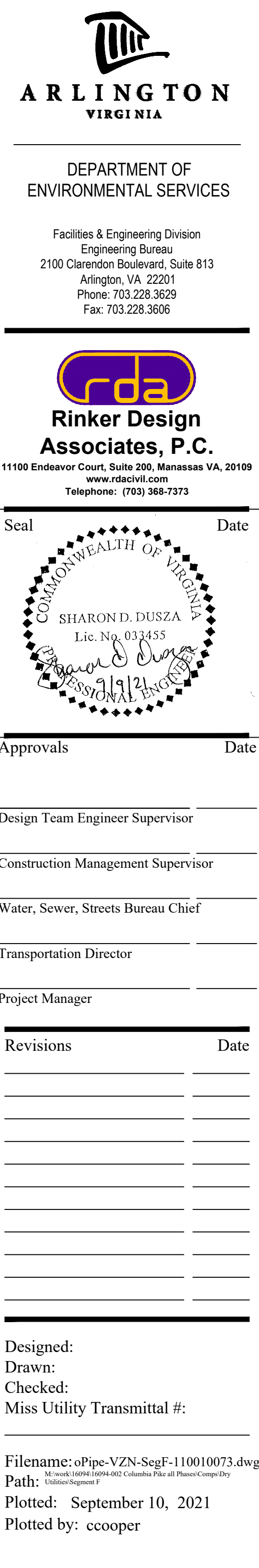
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

VERIZON PROFILES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 25' VERT. 1" = 5'	SHEET: F21.26 of F21.48
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 ARLINGTON VIRGINIA <i>Luis Araya</i> <u>LUIS ARAYA</u> BUREAU CHIEF, DES - DEVELOPMENT SERVICES	DEPARTMENT OF ENVIRONMENTAL SERVICES <div style="text-align: right;"> 10/19/2021 APPROVAL DATE </div>
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 <p>ARLINGTON VIRGINIA</p> <p><i>Luis Araya</i></p> <p>LUIS ARAYA BUREAU CHIEF, DES - DEVELOPMENT SERVICES</p>	<p>DEPARTMENT OF ENVIRONMENTAL SERVICES</p>
	<p>10/19/2021 APPROVAL DATE</p>