

PHOTOMETRIC LEGEND

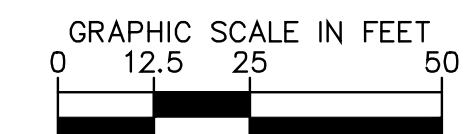
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0.3	Blue	1.4	Green
0.4	Light Blue	1.8	Teal
0.6	Cyan	2.2	Red
0.8	Red	2.6	Purple
1.0	Magenta	3.0	Brown

LEGEND

- Proposed Double Carlyle LED on New Light Pole
- Existing Double Carlyle LED on Relocated Pole
- Existing Double Carlyle LED to Remain
- Proposed LED on PED Pole
- Existing Carlyle Light Pole to be Removed/Relocated
- Existing Single Phase Electrical Service
- Proposed Quazite Junction Box
- Existing Junction Box
- Proposed 2" SCHD 40 PVC Conduit
- Proposed 2" SCHD 40 PVC Bored Conduit
- Existing Conduit
- Existing/Proposed Luminaire on Traffic Signal Pole

GENERAL NOTES:

- PROPOSED LEDS ON PED POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.
- LUMINAIRES ON TRAFFIC SIGNAL POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.
- PROVIDE SINGLE POLE 30A FRAME SERVICE DISCONNECT SWITCH FUSED AT 20A. NEMA 3R ENCLOSURE. THE DISCONNECT SWITCH SHALL BE MOUNTED TO METER FRAME.
- SEE SHEET F14.6.4 DETAIL 1 FOR STREET LIGHT CONDUIT LOCATIONS



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHOTOMETRIC PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 134+00 TO STA. 145+50

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: F15.13.1 of F15.13.3

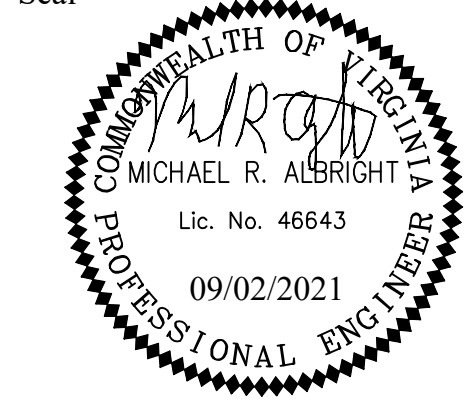


DEPARTMENT OF
ENVIRONMENTAL SERVICES

Facilities & Engineering Division
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Fax: 703.228.3606

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and Associates, Inc.
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Phone: 703-674-1500
Fax: 703-674-1350

Seal



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

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

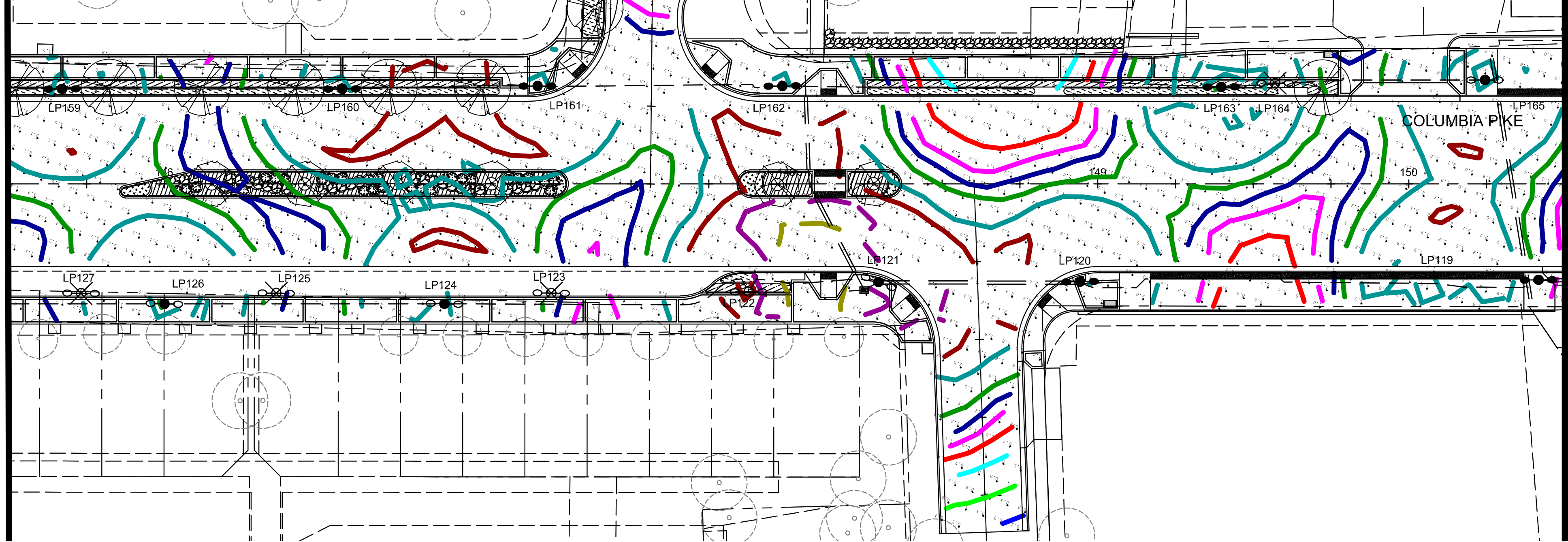
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Path: C:\NVA_RDPV\1100073 Columbia Pike Multimodal Production Task
Design\Photos
Plotted: September 02, 2021
Plotted by: patrick.husted



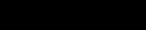











DEPARTMENT OF
ENVIRONMENTAL SERVICES













LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

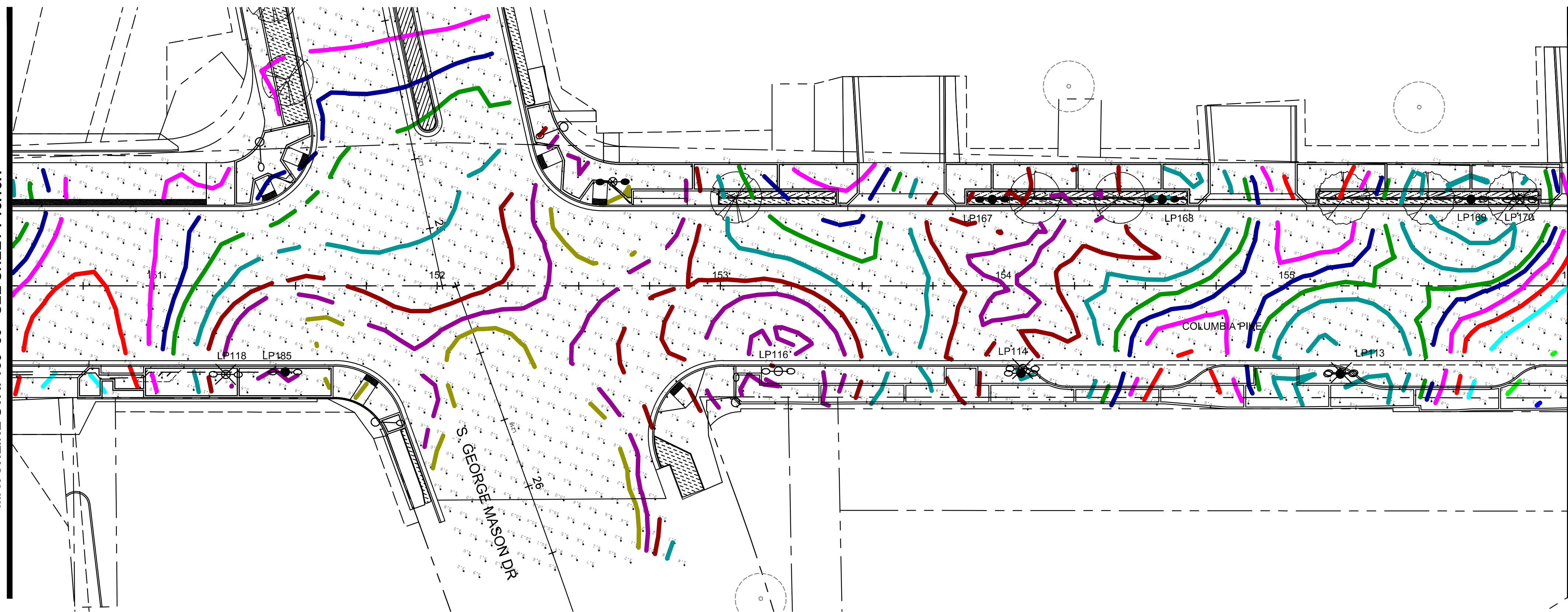
10/19/2021
APPROVAL DATE



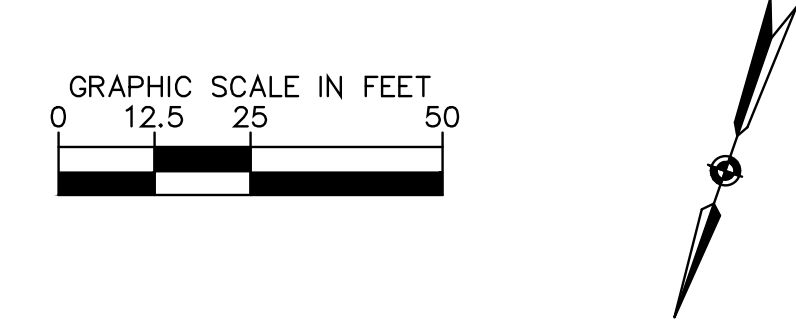
PHOTOMETRIC LEGEND

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0.8		2.6	
1.0		3.0	

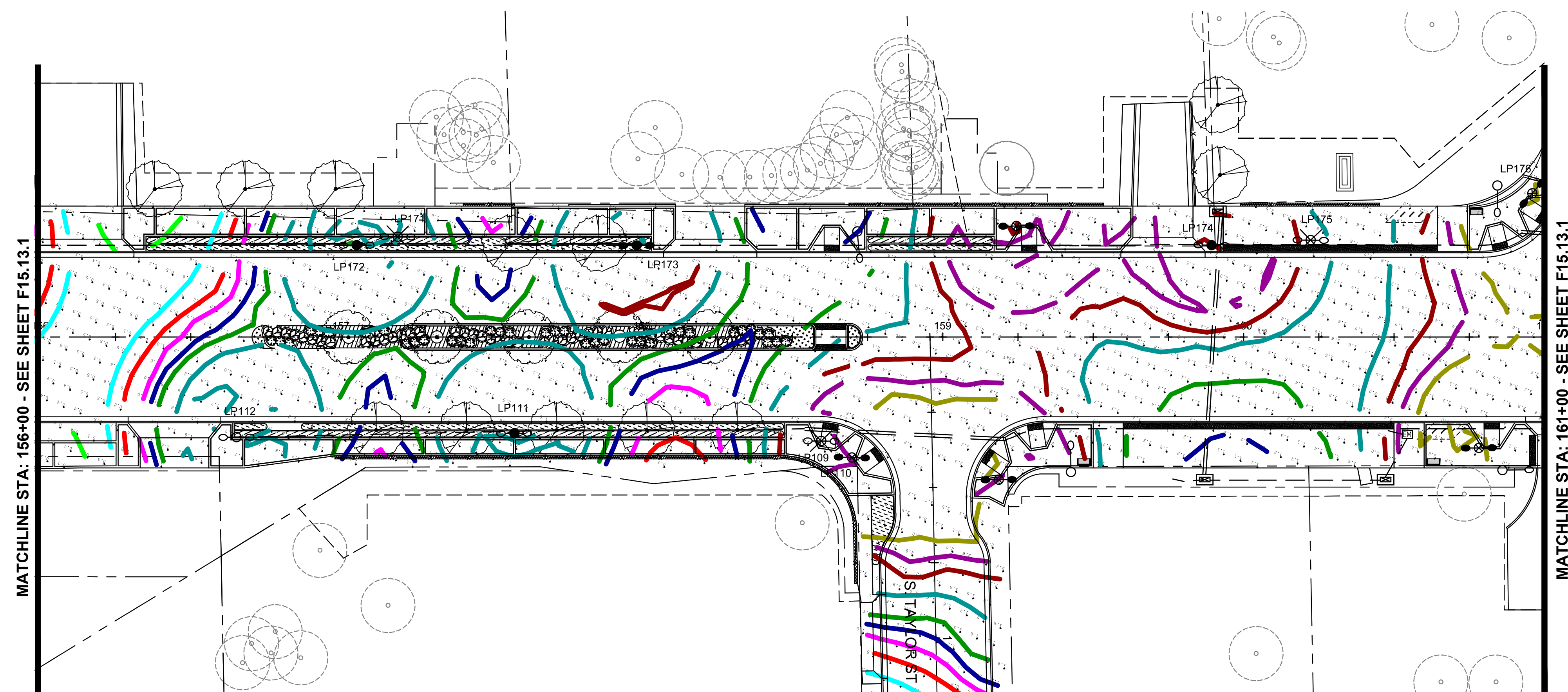
- | <u>LEGEND</u> | |
|---|---|
|  | Proposed Double Carlyle LED on New Light Pole |
|  | Existing Double Carlyle LED on Relocated Pole |
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|  | Proposed Quazite Junction Box |
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|  | Proposed 2" SCHD 40 PVC Conduit |
|  | Proposed 2" SCHD 40 PVC Bored Conduit |
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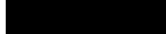











- GENERAL NOTES:
1. PROPOSED LEDS ON PED POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.
 2. LUMINAIRES ON TRAFFIC SIGNAL POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.
 3. PROVIDE SINGLE POLE 30A FRAME SERVICE DISCONNECT SWITCH FUSED AT 20A, NEMA 3R ENCLOSURE. THE DISCONNECT SWITCH SHALL BE MOUNTED TO METER FRAME.
 4. SEE SHEET F14.6.4 DETAIL 1 FOR STREET LIGHT CONDUIT LOCATIONS

[illegible]




ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES		
PHOTOMETRIC PLAN COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 145+50 TO STA. 156+00		
SCALE:	HOR. 1" = 25' VERT. 1" = 5'	SHEET: F15.13.2 of F15.13.3

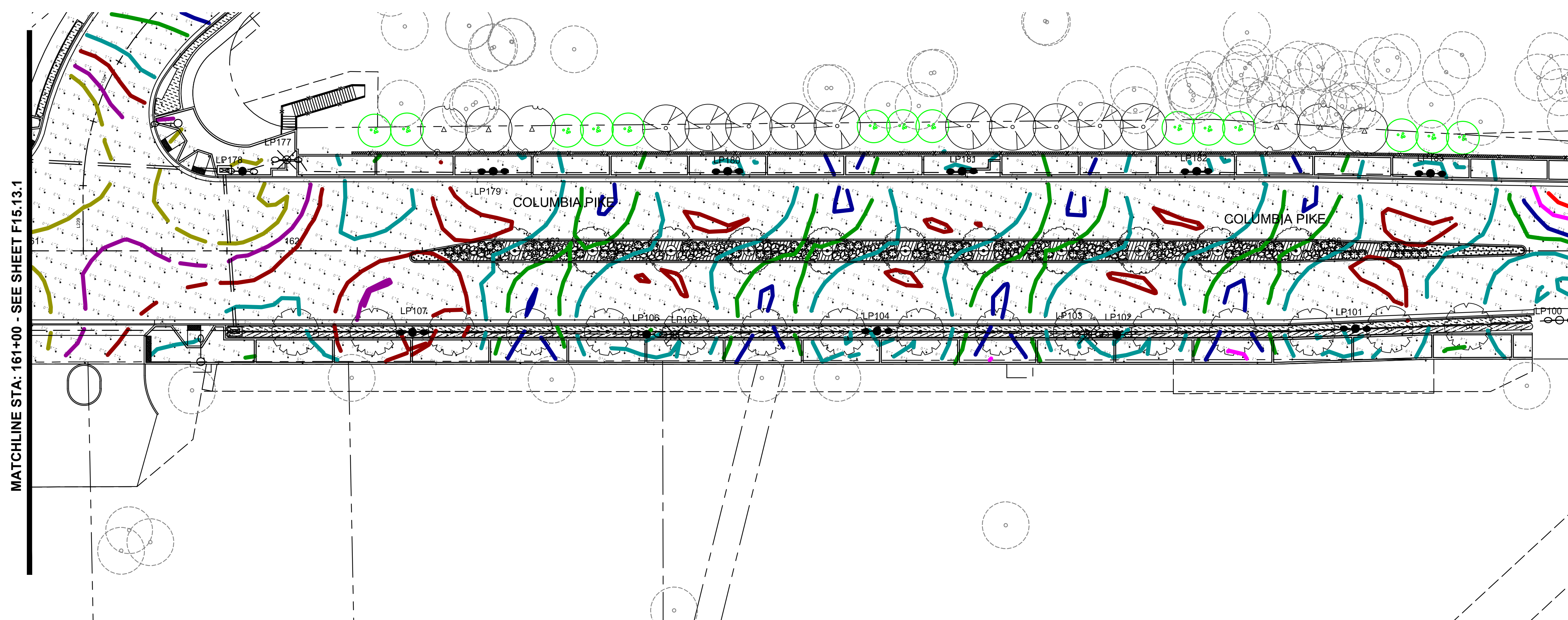


PHOTOMETRIC LEGEND


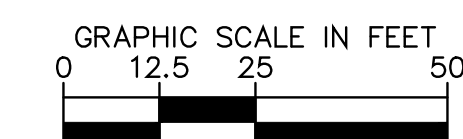
VALUE (FC)	COLOR	VALUE (FC)	COLOR
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0.3		1.4	
0.4		1.8	
0.6		2.2	
0.8		2.6	
1.0		3.0	

- LEGEND**

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 - Existing Double Carlyle LED to Remain
 - ⊗● Proposed LED on PED Pole
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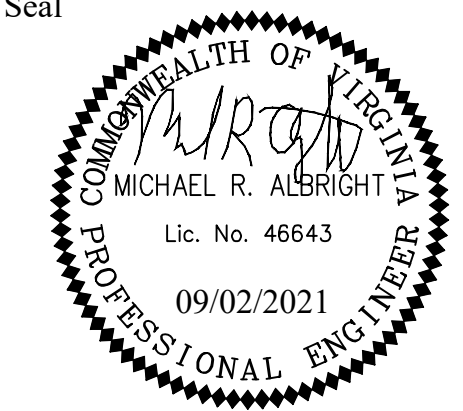
ARLINGTON
VIRGINIA

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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
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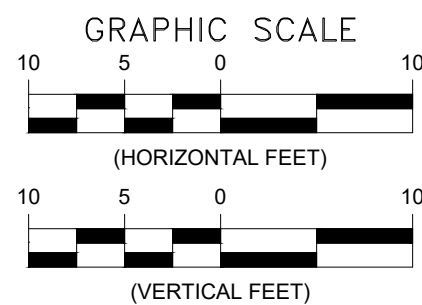
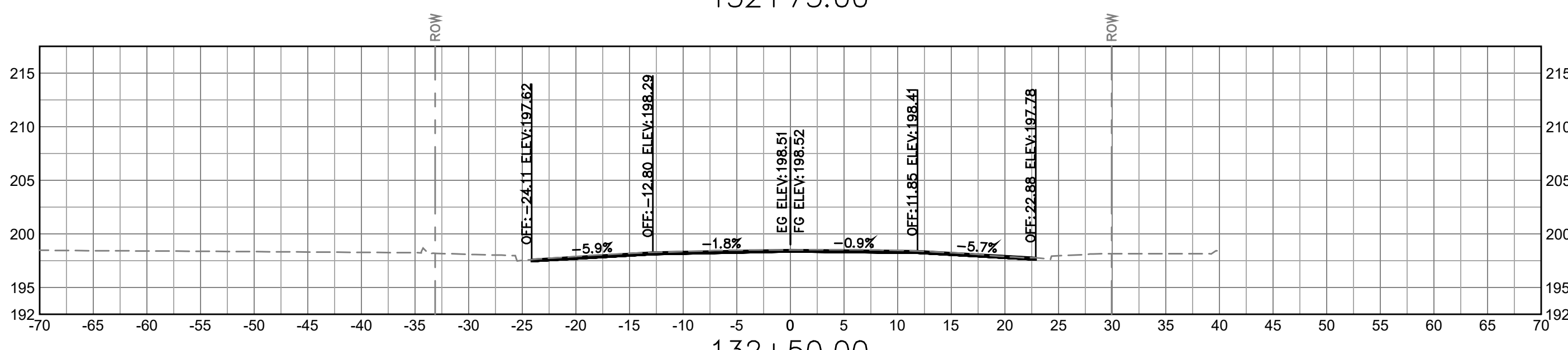
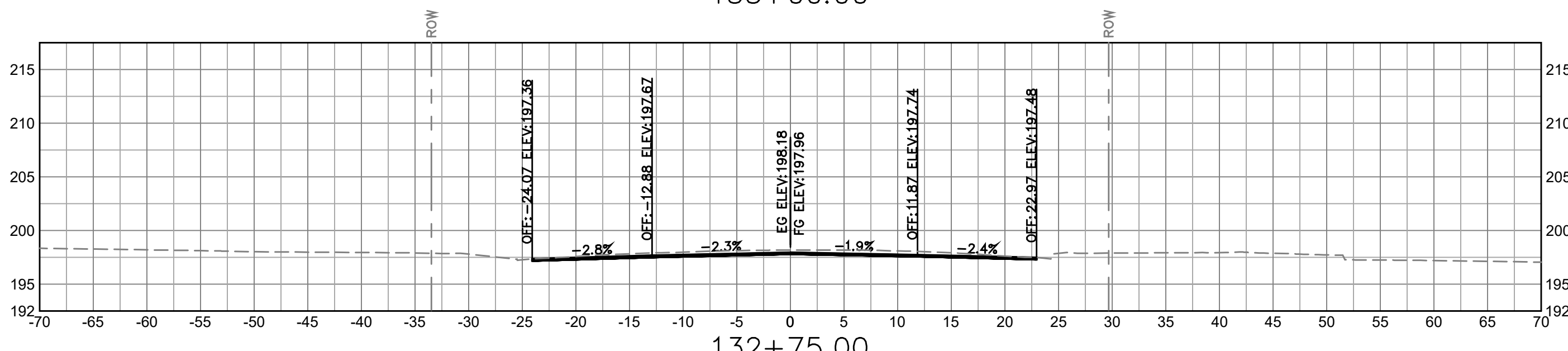
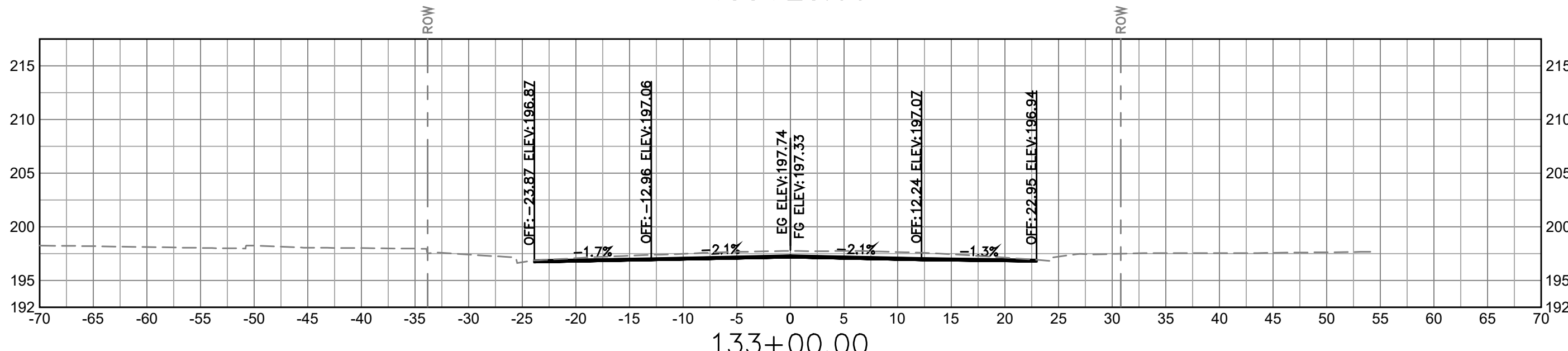
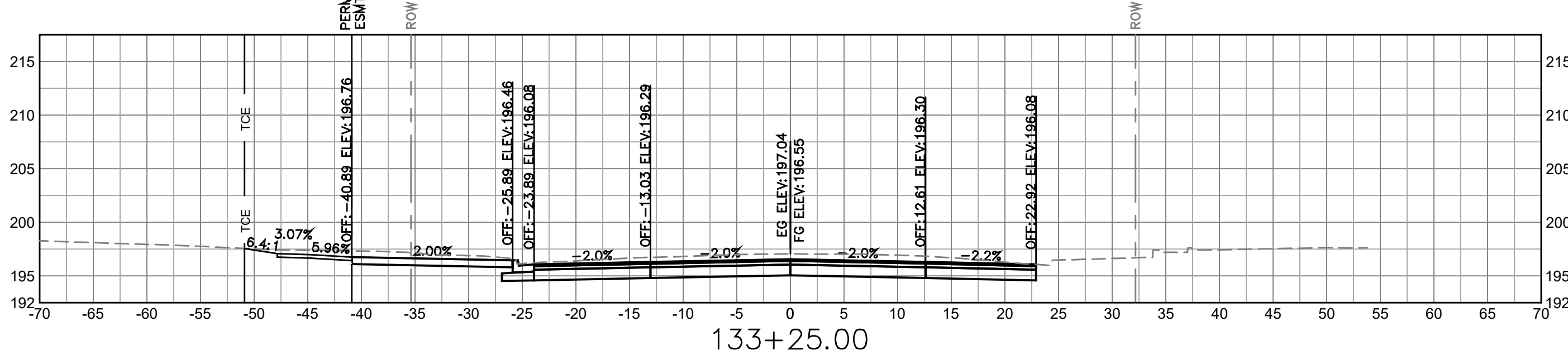
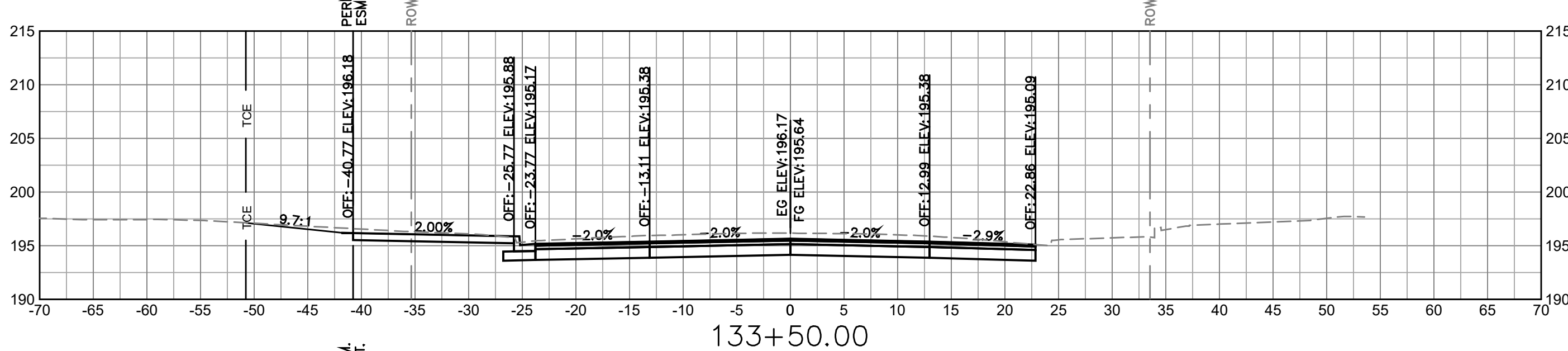
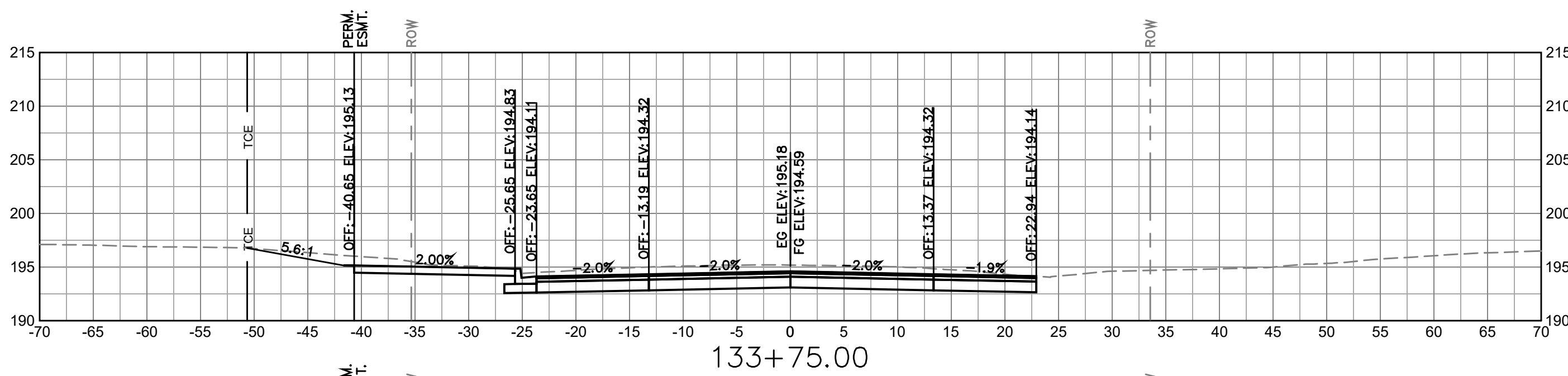
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 Checked: _____
 Miss Utility Transmittal #:

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 7.5 Final Design of Columbia Pike Segments\Segment F0.5.2 - 100%
 Design\PlanSheets
 Plotted: September 02, 2021
 Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHOTOMETRIC PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 156+00 TO STA. 167+00

SCALE:	HOR. 1" = 25' VERT. 1" = 5'	SHEET:	F15.13.3 of F15.13.3
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LEGEND		
EXISTING	RIGHT OF WAY	PROPOSED
— TCE —	— TEMPORARY CONSTRUCTION EASEMENT —	— TCE —
— — —	— PERMANENT EASEMENT —	— — —
— MNTC —	— MAINTENANCE EASEMENT —	— MNTC —
EG	EXISTING PROFILE GRADE	
FG	PROPOSED PROFILE GRADE	

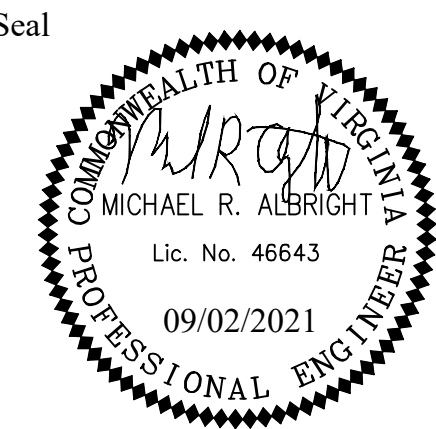
ARLINGTON
VIRGINIA

DEPARTMENT OF
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Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions	Date

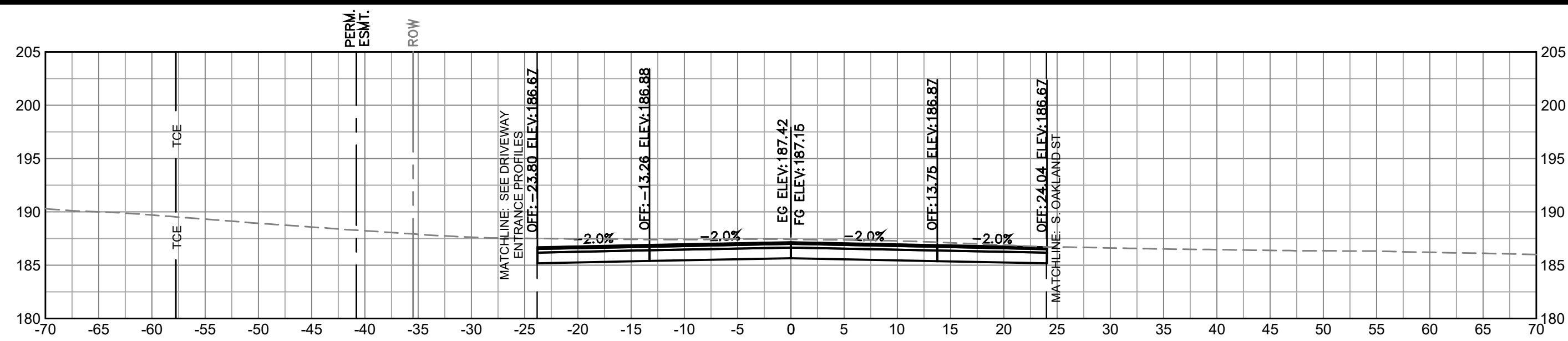
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Drawn: JGJ
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-XS401.dwg
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Plotted: September 02, 2021
Plotted by: patrick.husted

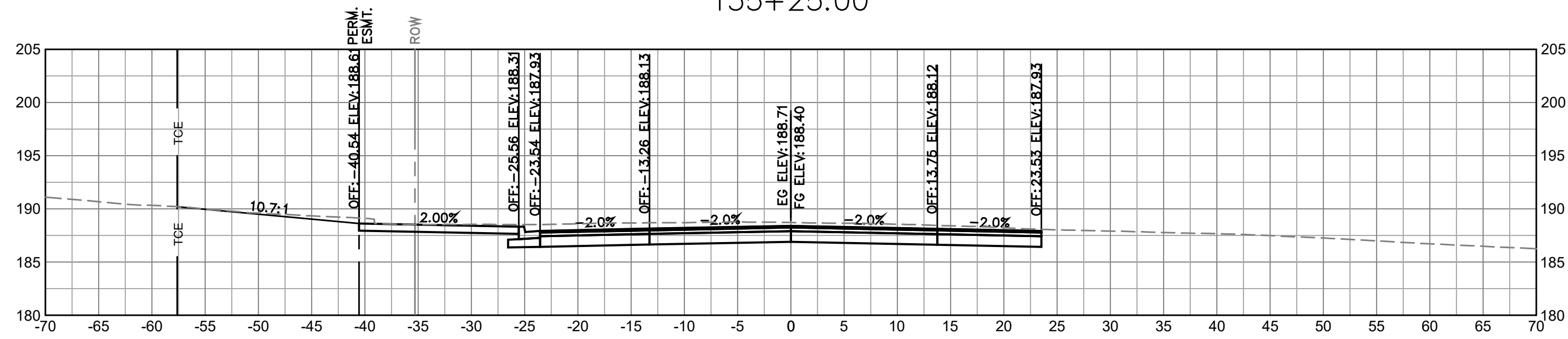
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

ROADWAY CROSS SECTIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 132+50.00 TO STA. 133+75.00

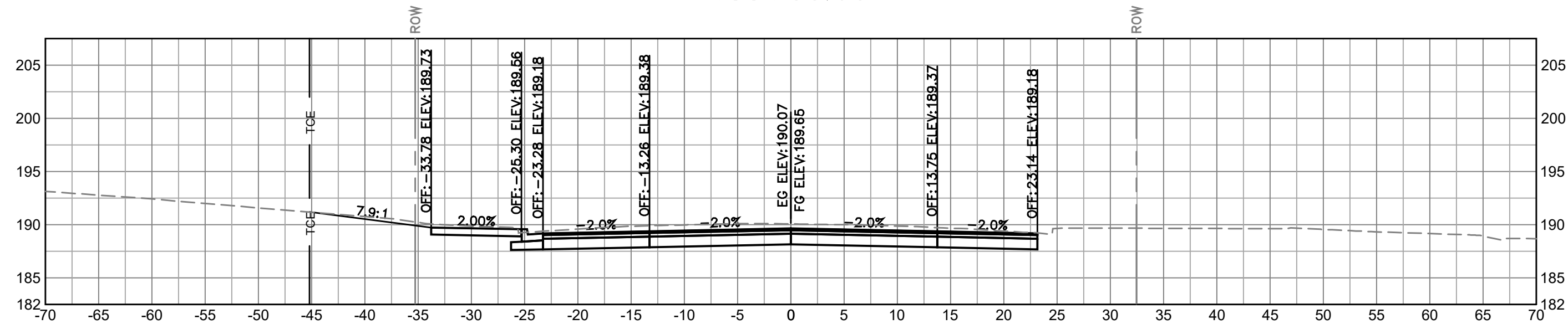
SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: F16.1 of F16.33



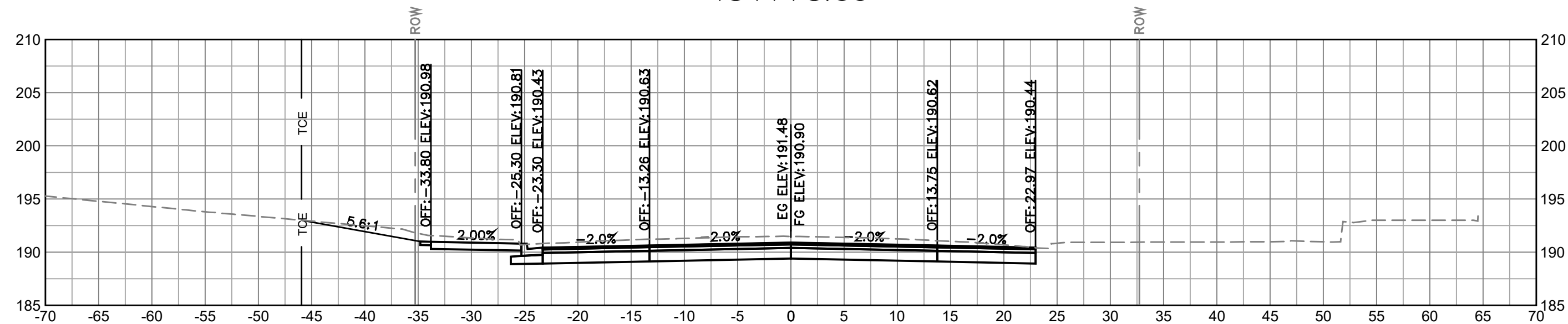
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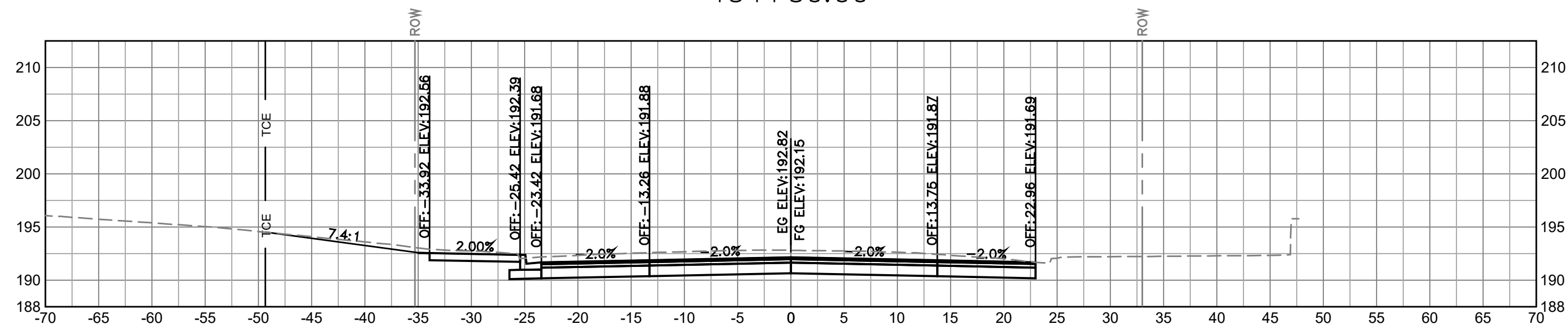
135+00.00



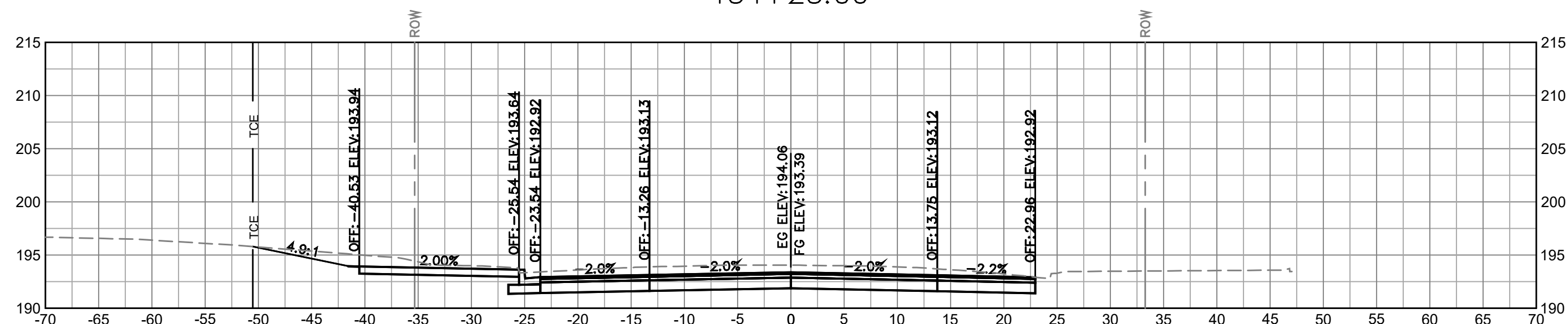
134+75.00



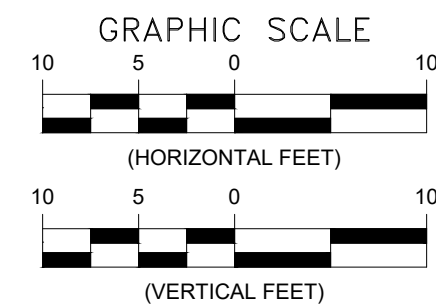
134+50.00



134+25.00



134+00.00



LEGEND		
EXISTING	RIGHT OF WAY	PROPOSED
— TCE —	— TEMPORARY CONSTRUCTION EASEMENT —	— TCE —
— PERM. ESM. —	— PERMANENT EASEMENT —	— PERM. ESM. —
— MNTC —	— MAINTENANCE EASEMENT —	— MNTC —
EG	EXISTING PROFILE GRADE	
FG	PROPOSED PROFILE GRADE	



DEPARTMENT OF ENVIRONMENTAL SERVICES

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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: EJD
Drawn: JGJ
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-XS401.dwg
Path: C:\Users\JGJ\OneDrive\Documents\010073-F-XS401.dwg
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

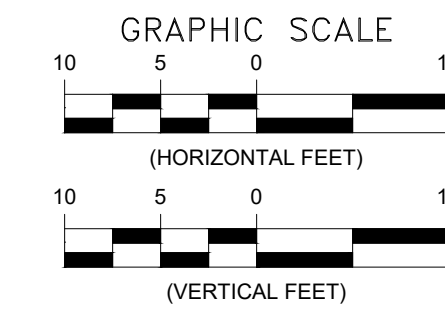
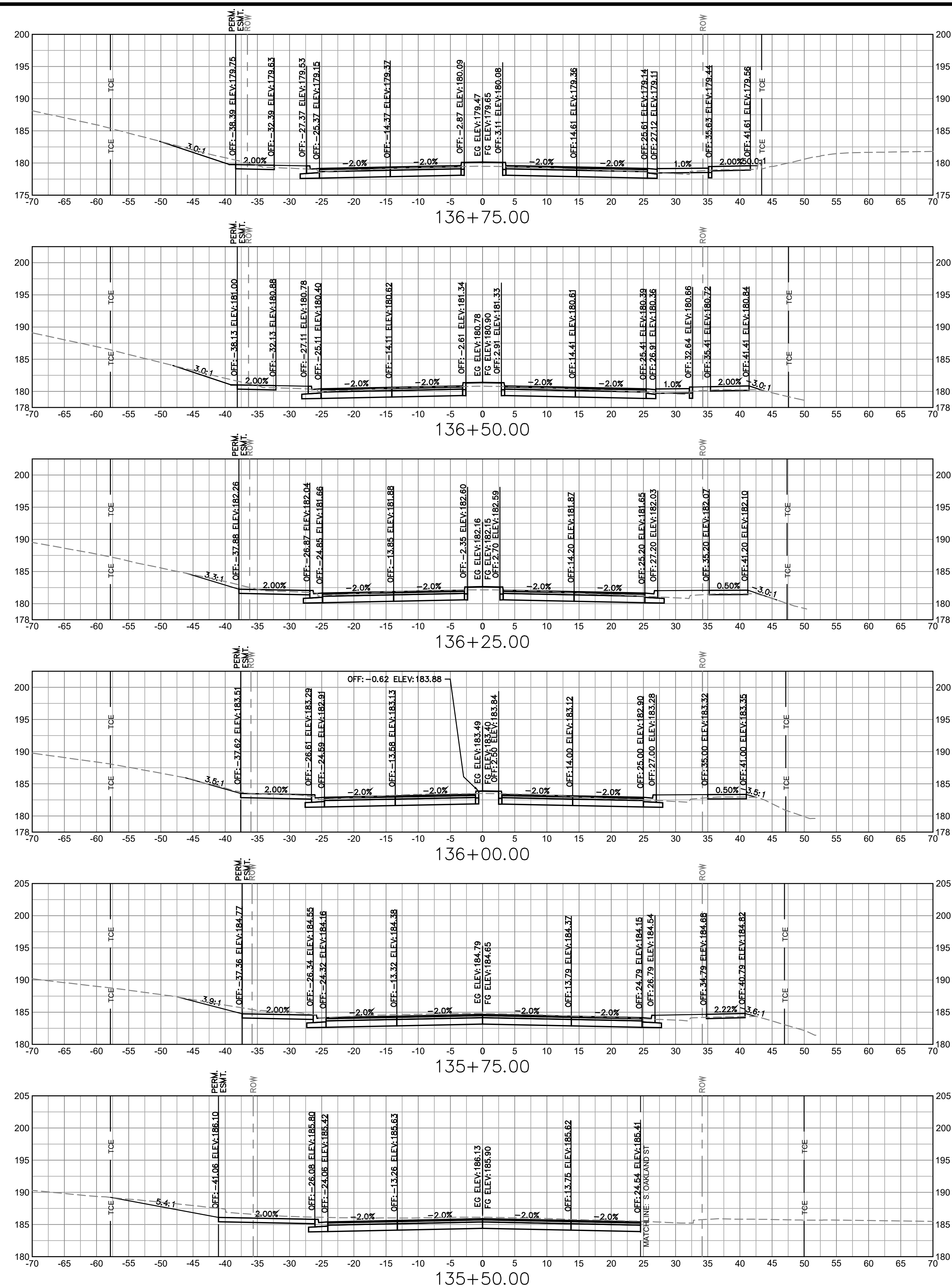
ROADWAY CROSS SECTIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 134+00.00 TO STA. 135+25.00

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: F16.2 of F16.33



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE



LEGEND

EXISTING 	RIGHT OF WAY 	PROPOSED
TCE	TEMPORARY CONSTRUCTION EASEMENT	TCE
PERMANENT EASEMENT		
MNTC	MAINTENANCE EASEMENT	MNTC

EG EXISTING PROFILE GRADE

FG PROPOSED PROFILE GRADE

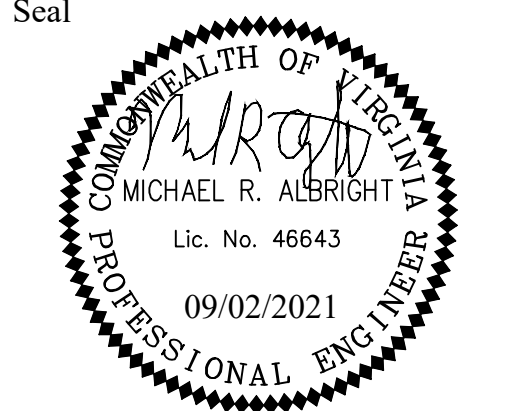


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Seal



Approvals	Date
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Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

[illegible]

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

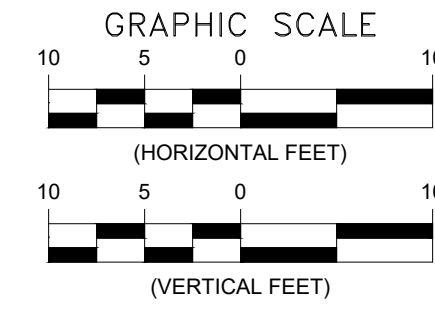
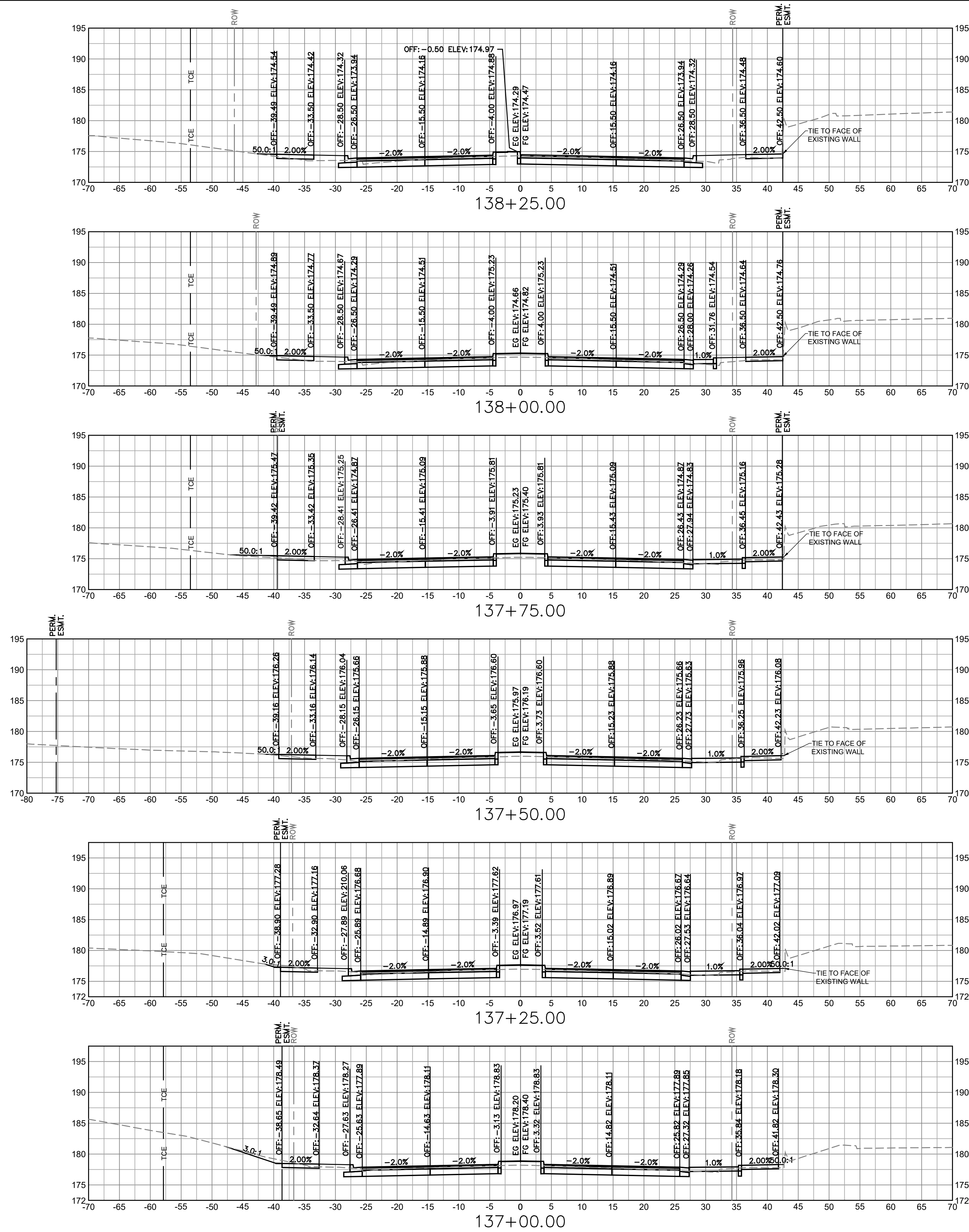
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 7.5 Final Design of Columbia Pike Segments\Segment F\7.5.2 - 100%
 Design\PlanSheets
 Plotted: September 02, 2021
 Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 135+50.00 TO STA. 136+75.00	
SCALE:	HOR. 1" = 10' VERT. 1" = 10' SHEET: F16.3 of F16.33



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE



EXISTING	<u>LEGEND</u>	PROPOSED
_____	RIGHT OF WAY	_____
_____ TCE _____	TEMPORARY CONSTRUCTION EASEMENT	_____ TCE _____
_____ - - - - -	PERMANENT EASEMENT	_____ - - - - -
_____ MNTE _____	MAINTENANCE EASEMENT	_____ MNTE _____
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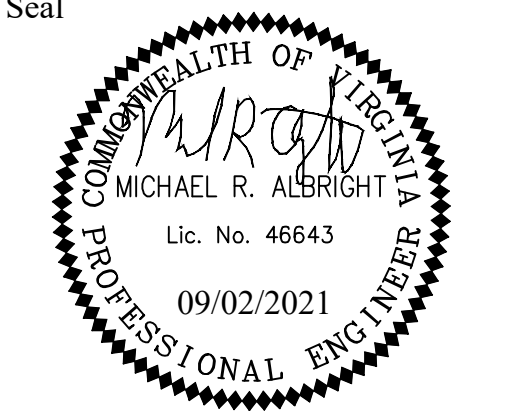


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Seal



Approvals	Date
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Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

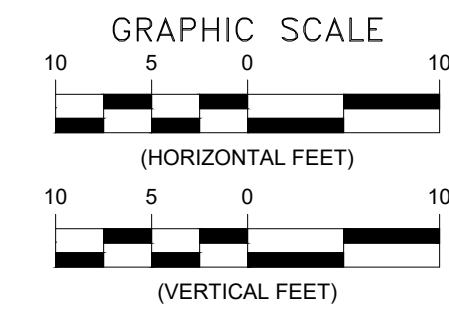
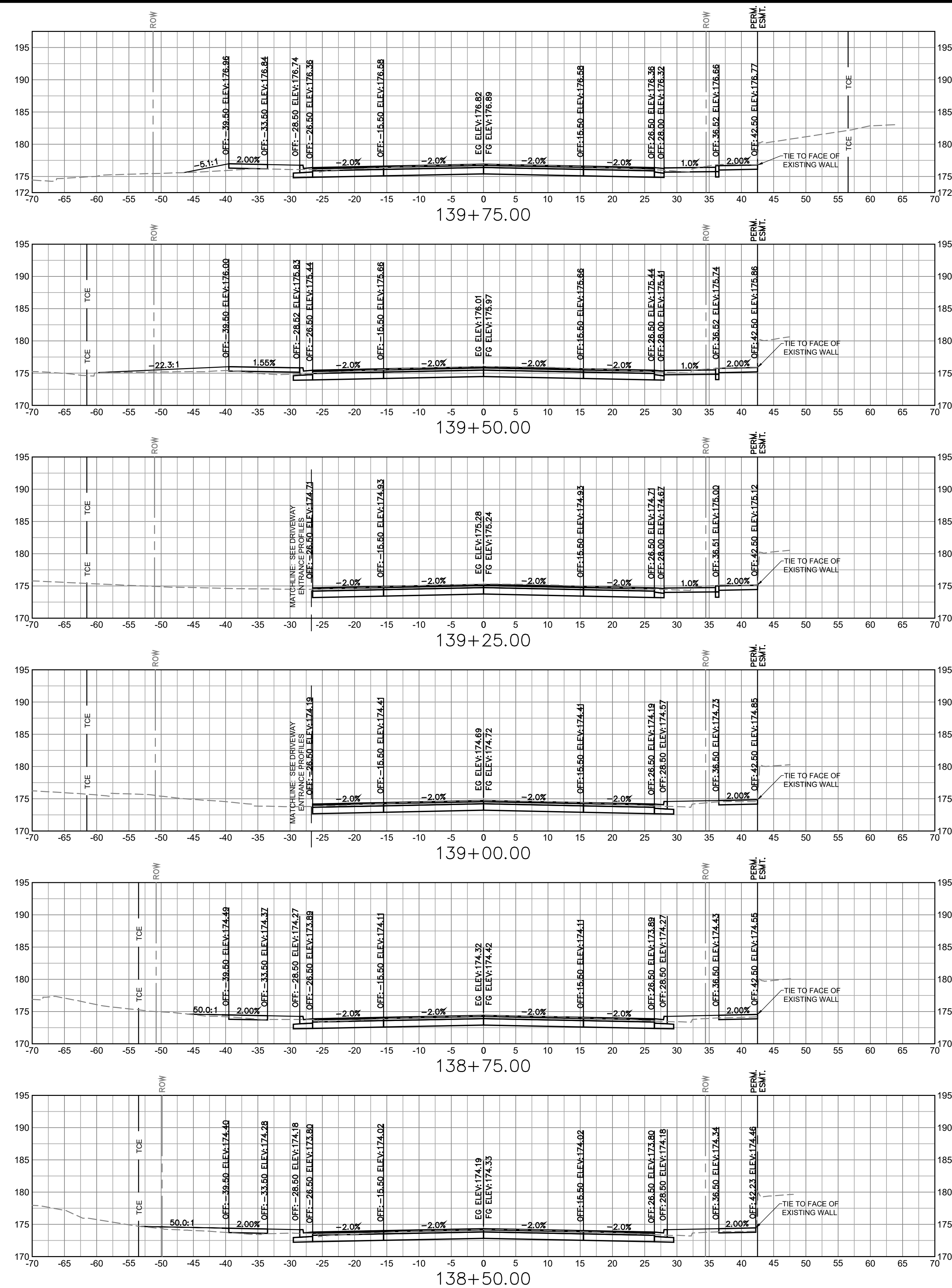
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Designed: EJD
 Drawn: JGJ
 Checked: MRA
 Miss Utility Transmittal #:

Filename: 010073-F-XS401.dwg
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 7.5 Final Design Columbia Pike Segments\Segment F17.5.2 - 100%
 Design\PlanSheets
 Plotted: September 02, 2021
 Plotted by: patrick.husted

<p>ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES</p>
<p>ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 137+00.00 TO STA. 138+25.00</p>

SCALE:	HOR. 1" = 10' VERT. 1" = 10'	SHEET:	F16.4 of F16.33
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LEGEND

<div>EXISTING</div> <div><div></div><div></div></div>	<div>RIGHT OF WAY</div> <div><div></div><div></div></div>	<div>PROPOSED</div> <div><div></div><div></div></div>
<div><div></div> TCE</div>	<div>TEMPORARY CONSTRUCTION EASEMENT</div>	<div><div></div> TCE</div>
<div><div></div></div>	<div>PERMANENT EASEMENT</div>	<div><div></div></div>
<div><div></div> MNTE</div>	<div>MAINTENANCE EASEMENT</div>	<div><div></div> MNTE</div>

EG EXISTING PROFILE GRADE

FG PROPOSED PROFILE GRADE



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Fax: 703-674-1360

Seal

COMMONWEALTH OF VIRGINIA
MICHAEL R. ALBRIGHT
Lic. No. 46643
09/02/2021
PROFESSIONAL ENGINEER

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

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

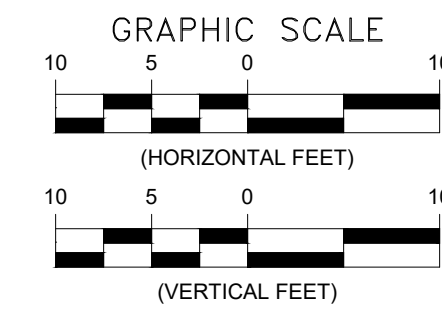
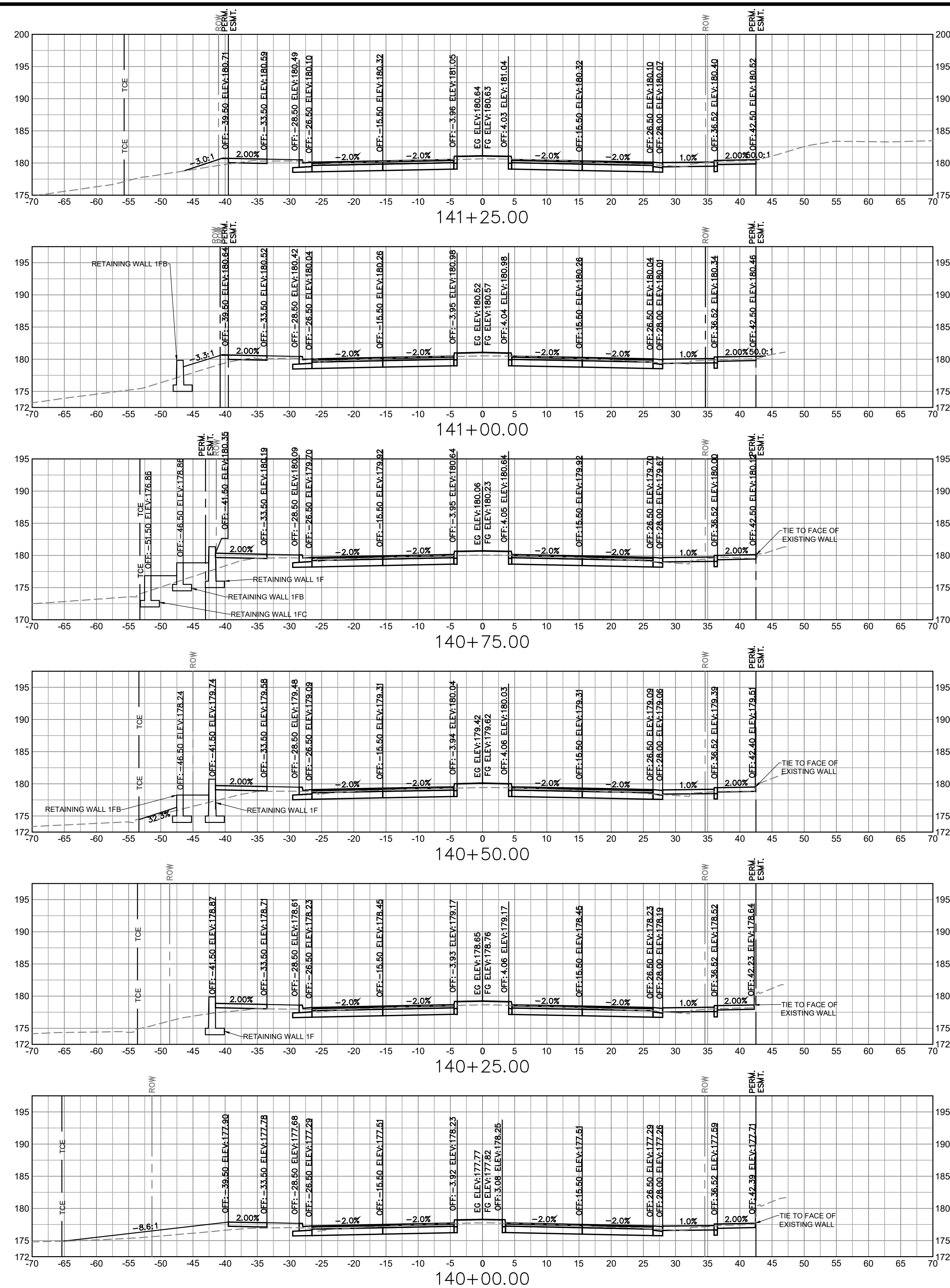
Project Manager

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Filename: 010073-F-XS401.dwg
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 Plotted: September 02, 2021
 Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES		
ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 138+50.00 TO STA. 139+75.00		
SCALE:	HOR. 1" = 10' VERT. 1" = 10'	SHEET: F16.5 of F16.33



The diagram illustrates a cross-section of a right-of-way easement. It features a central horizontal line labeled "RIGHT OF WAY". To the left of this line, the area is labeled "EXISTING" and contains a dashed line representing the "EXISTING PROFILE GRADE". To the right of the central line, the area is labeled "PROPOSED" and contains a dashed line representing the "PROPOSED PROFILE GRADE". Below the central line, there are two horizontal lines representing easement boundaries. The left boundary is labeled "TCE" (Temporary Construction Easement) and "MNTC" (Maintenance Easement). The right boundary is also labeled "TCE" and "MNTC". The diagram shows the relationship between the existing and proposed profile grades and the easement boundaries.



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Approvals	Date
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Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

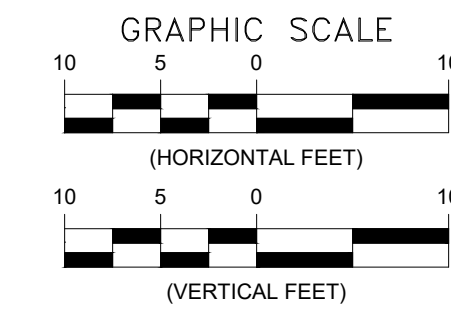
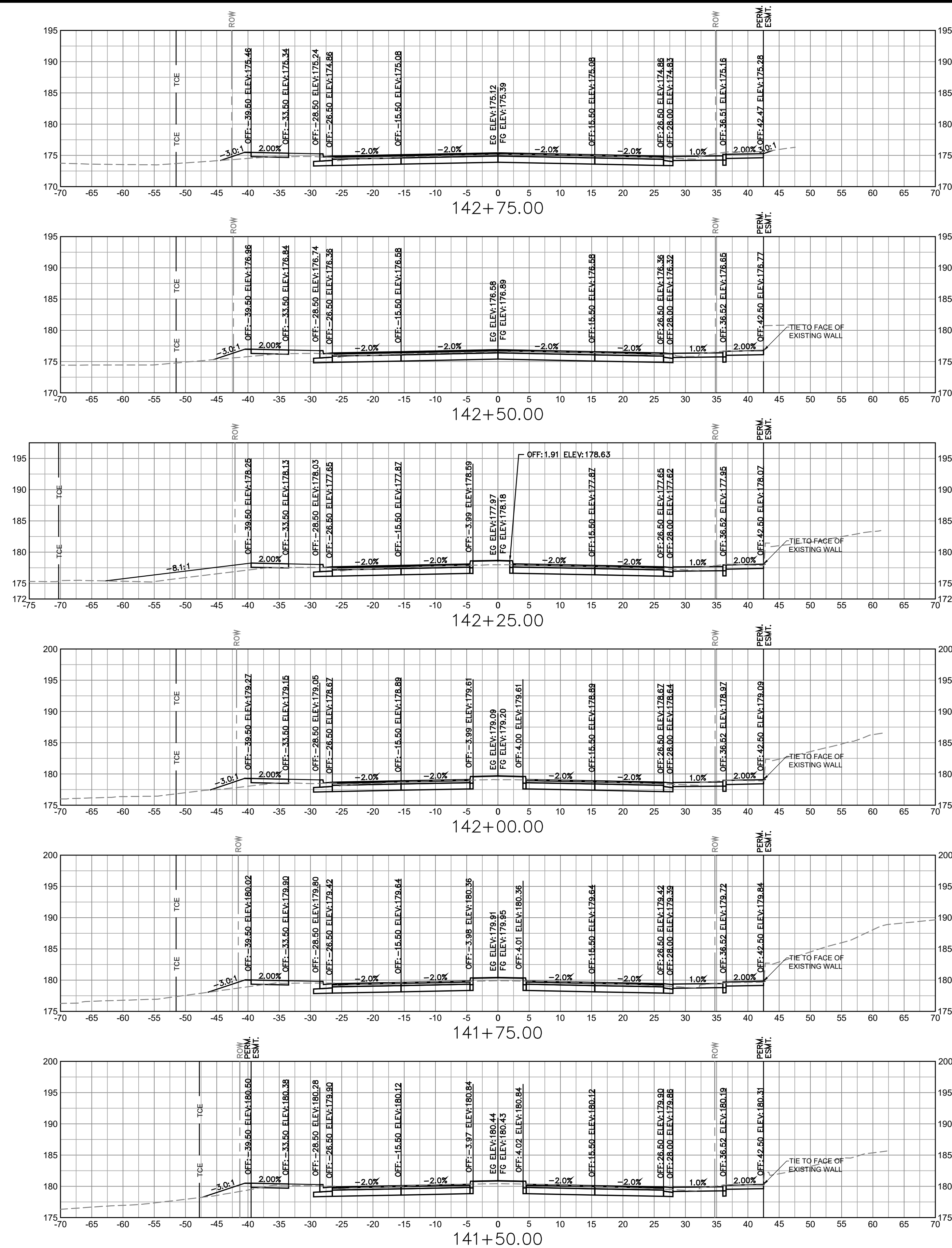
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Designed: EJD
 Drawn: JGJ
 Checked: MRA
 Miss Utility Transmittal #:

Filename: 010073-F-XS401.dwg
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 7.5 Final Design of Columbia Pike Segments\Segment F17.5.2 - 100%
 Design\PlanSheets
 Plotted: September 02, 2021
 Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 140+00.00 TO STA. 141+25.00	

SCALE:	HOR. 1" = 10' VERT. 1" = 10'	SHEET:	F16.6 of F16.33
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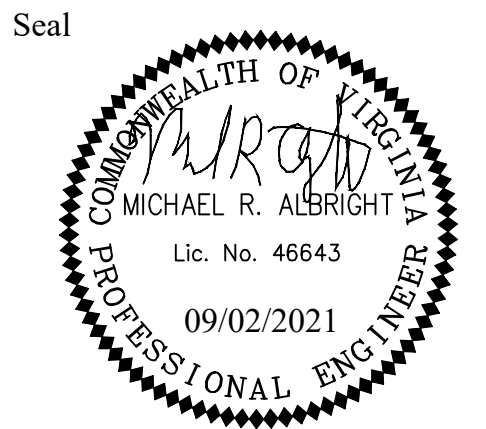
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<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: center;">EXISTING</div> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: center;">PROPOSED</div> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="text-align: center;">RIGHT OF WAY</div> <div style="width: 40%; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div>	
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EG EXISTING PROFILE GRADE

FG PROPOSED PROFILE GRADE



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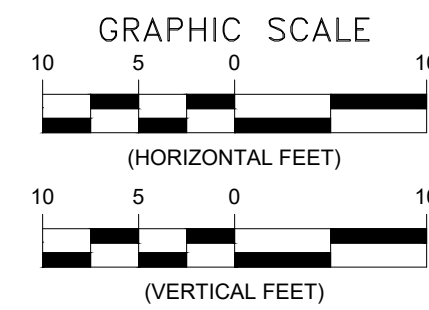
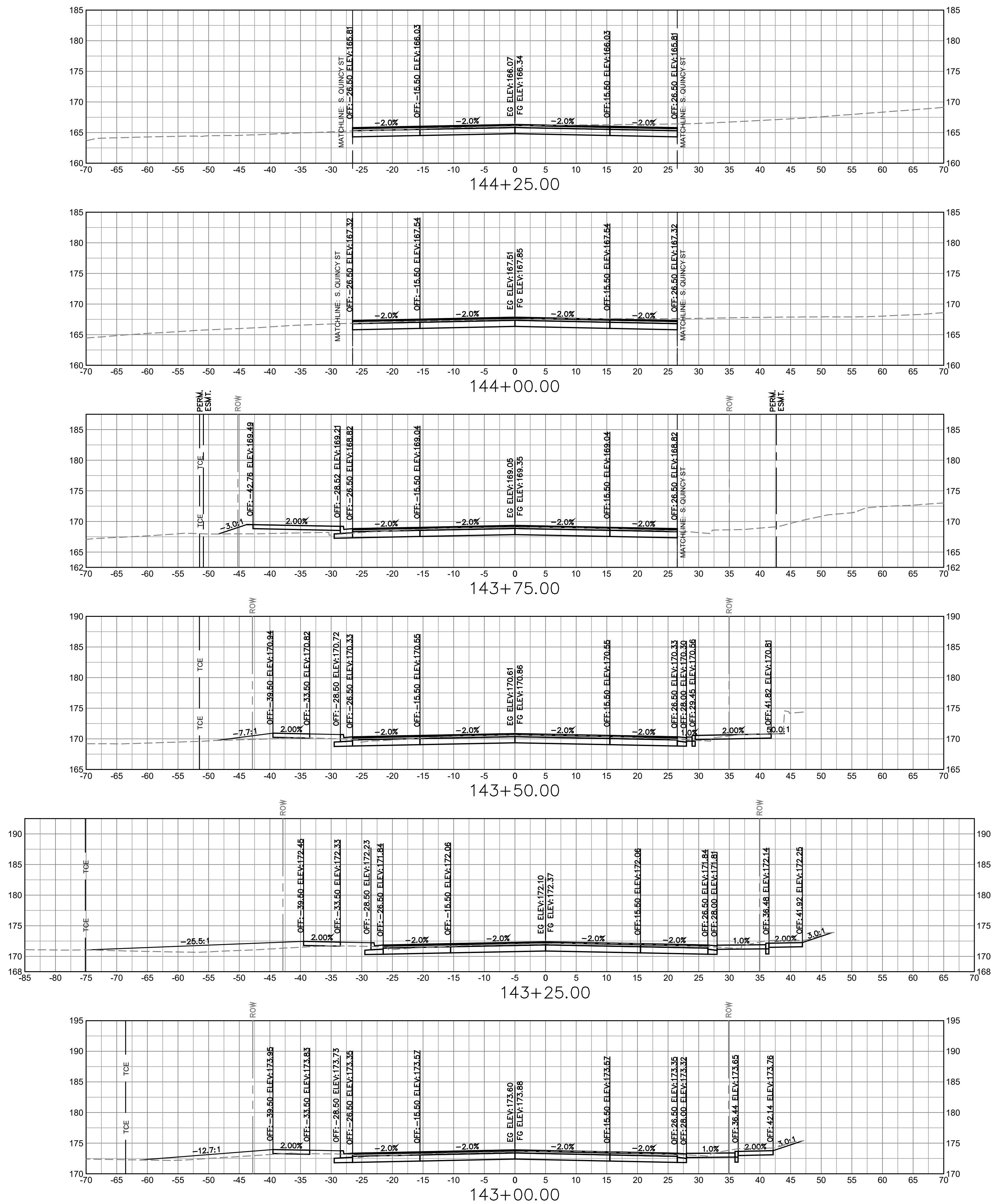
Approvals	Date
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Design Team Engineer SupervisorConstruction Management SupervisorWater, Sewer, Streets Bureau ChiefTransportation DirectorProject Manager[illegible]

Designed: EJD
 Drawn: JGJ
 Checked: MRA
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Filename: 010073-F-XS401.dwg
 Path: K:\INVA_RDWY\110010073 Columbia Pike Multimodal Production
 7.5 Final Design of Columbia Pike Segments\Segment F17.5.2 - 100'
 Design\PlanSheets
 Plotted: September 02, 2021
 Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 141+50.00 TO STA. 142+75.00	
SCALE: HOR. 1" = 10' VERT. 1" = 10'	SHEET: F16.7 of F16.33



LEGEND		
EXISTING	RIGHT OF WAY	PROPOSED
— TCE —	— TEMPORARY CONSTRUCTION EASEMENT —	— TCE —
— PERM —	— PERMANENT EASEMENT —	— PERM —
— MNTC —	— MAINTENANCE EASEMENT —	— MNTC —
EG	EXISTING PROFILE GRADE	
FG	PROPOSED PROFILE GRADE	

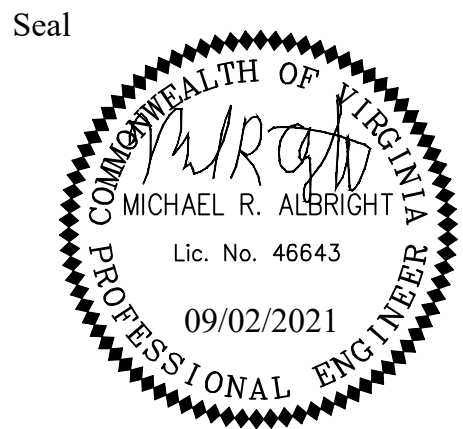
ARLINGTON
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Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

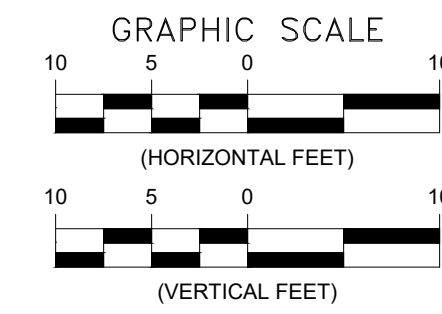
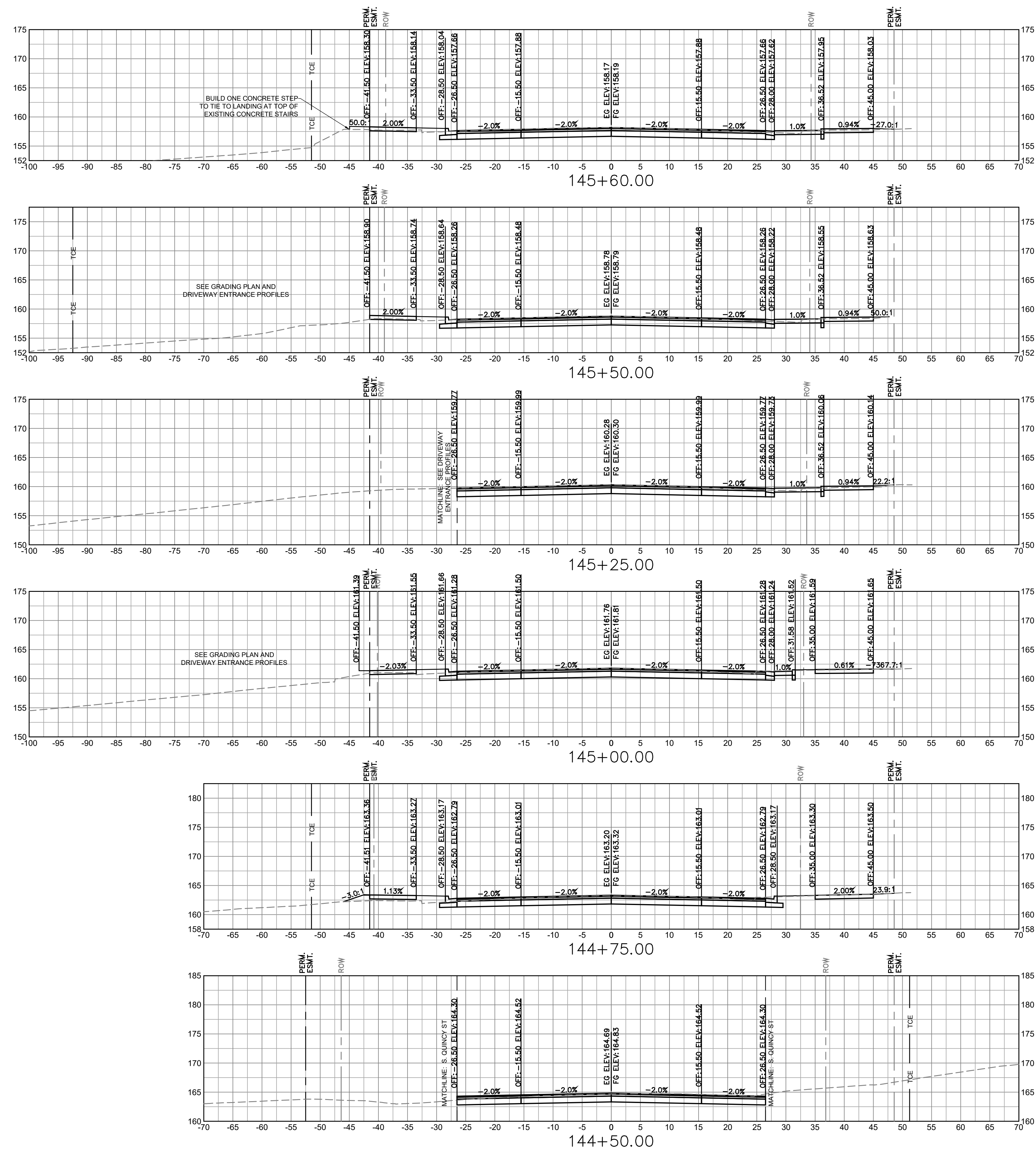
Designed: EJD
Drawn: JGJ
Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-XS401.dwg
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Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

ROADWAY CROSS SECTIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 143+00.00 TO STA. 144+25.00

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: F16.8 of F16.33



LEGEND

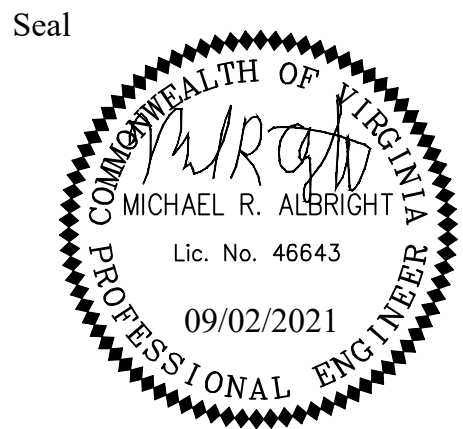
EXISTING		PROPOSED
_____	RIGHT OF WAY	_____
_____ TCE _____	TEMPORARY CONSTRUCTION EASEMENT	_____ TCE _____
_____	PERMANENT EASEMENT	_____
_____ MNTC _____	MAINTENANCE EASEMENT	_____ MNTC _____

EG EXISTING PROFILE GRADE

FG PROPOSED PROFILE GRADE



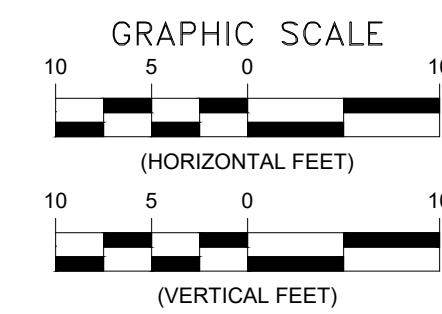
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Design Team Engineer Supervisor		
Construction Management Supervisor		
Water, Sewer, Streets Bureau Chief		
Transportation Director		
Project Manager		
Revisions		D
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ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES			
ROADWAY CROSS SECTIONS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F STA. 144+50.00 TO STA. 145+60			
SCALE:	HOR. 1" = 10' VERT. 1" = 10'	SHEET:	F16.9 of F16.33



LEGEND

	EXISTING	RIGHT OF WAY	PROPOSED
TCE	TEMPORARY CONSTRUCTION EASEMENT	TCE	
	PERMANENT EASEMENT		
MNTC	MAINTENANCE EASEMENT	MNTC	
EG	EXISTING PROFILE GRADE		
FG	PROPOSED PROFILE GRADE		



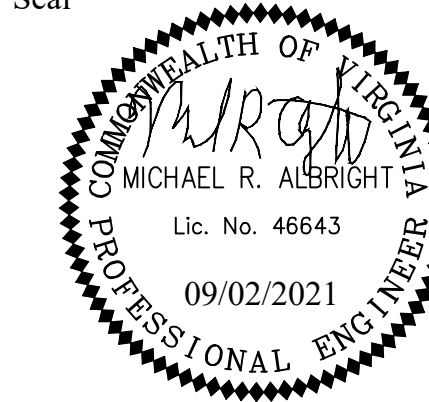
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Seal



	Date
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Design Team Engineer Supervisor

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Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

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ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

ROADWAY CROSS SECTIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 145+75.00 TO STA. 147+00

SCALE:	HOR. 1" = 10' VERT. 1" = 10'	SHEET:	F16.10 of F16.33
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DEPARTMENT OF
ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE