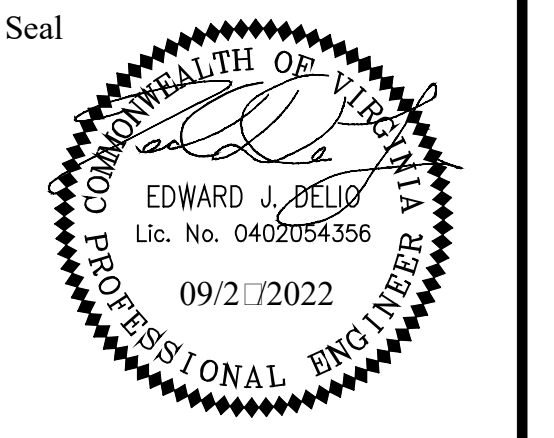


LEGEND

---	EXIST. RIGHT OF WAY
---	PROP. RIGHT OF WAY
---	EXIST. PERMANENT EASEMENT
---	PROP. PERMANENT EASEMENT
TCE	EXIST. TEMPORARY CONSTRUCTION EASEMENT
TCE	PROP. TEMPORARY CONSTRUCTION EASEMENT
MNTC	EXIST. MAINTENANCE EASEMENT
MNTC	PROP. MAINTENANCE EASEMENT
UTIL	PROP. UTILITY EASMENT

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Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

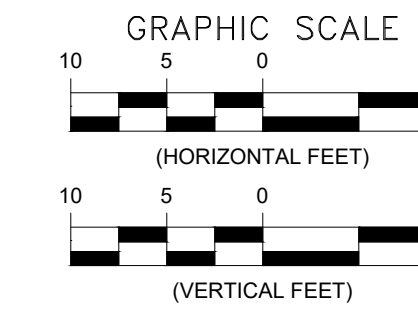
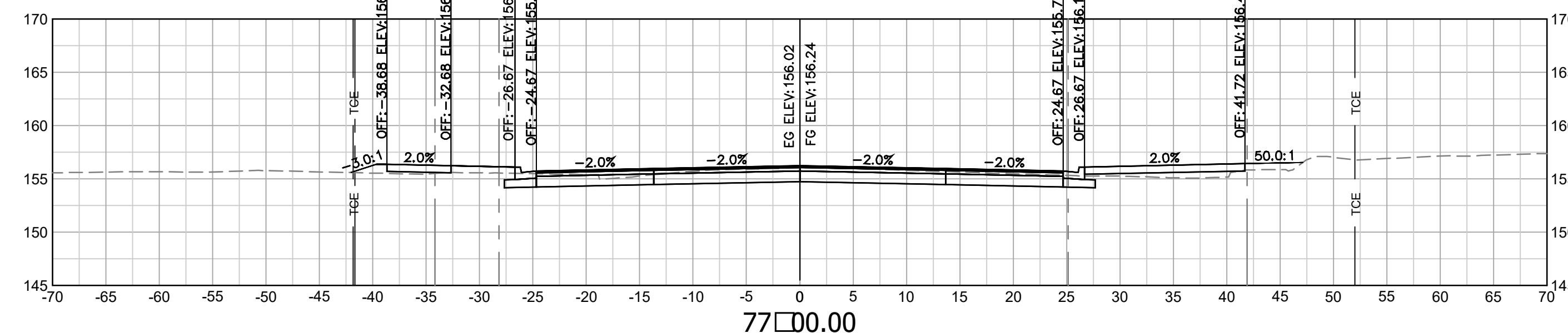
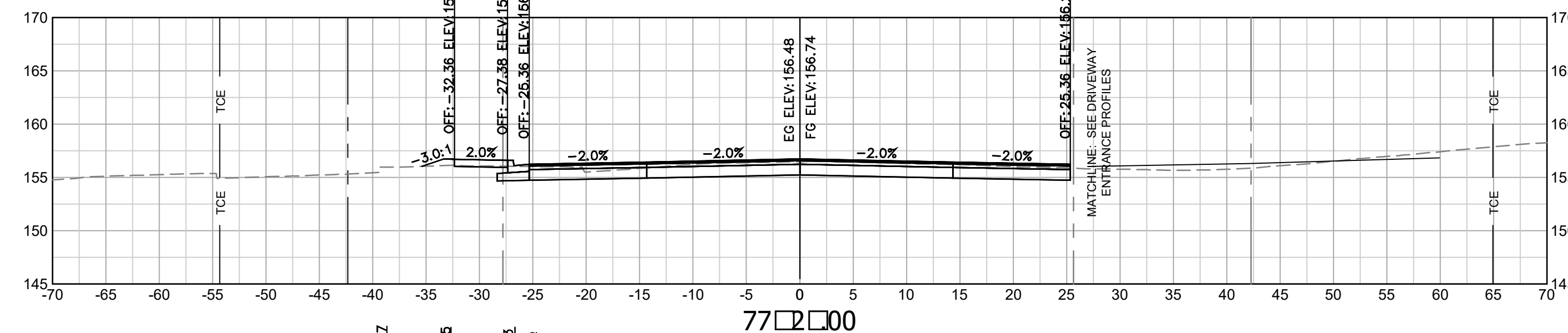
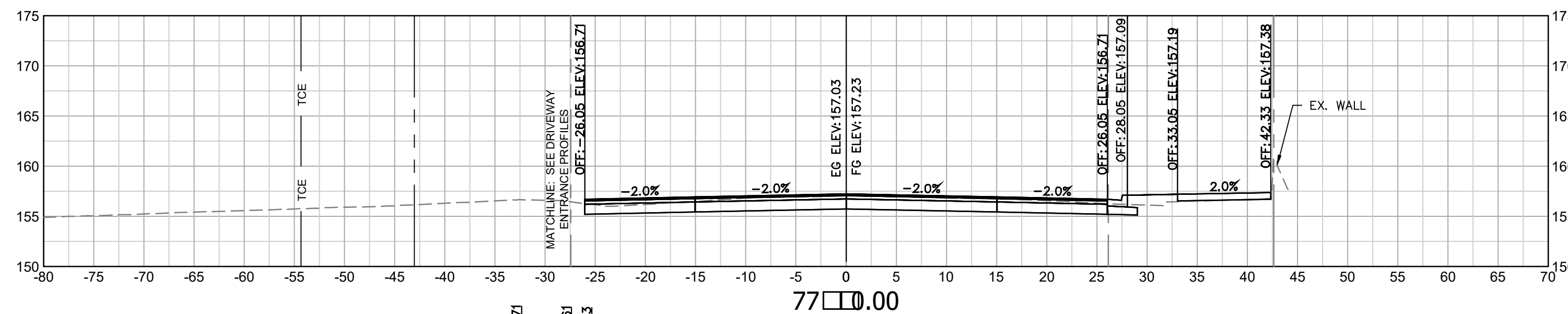
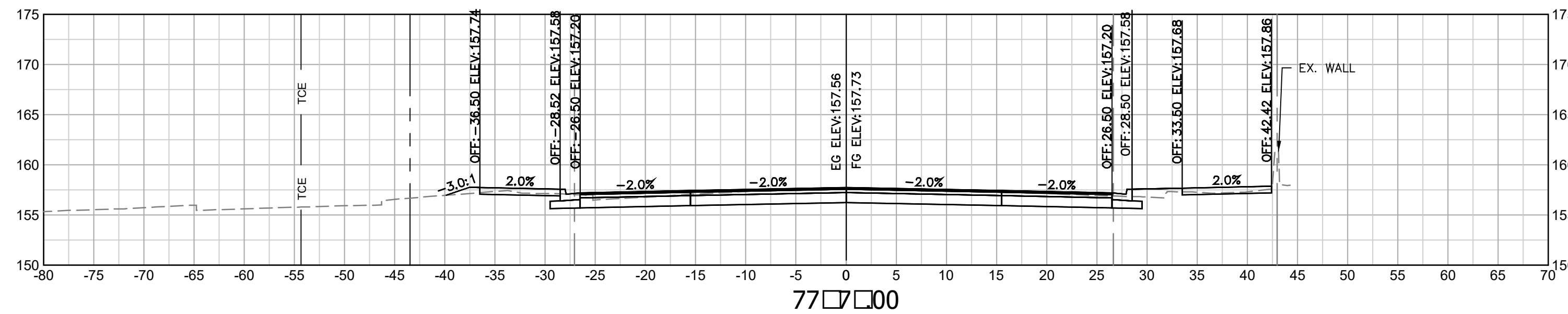
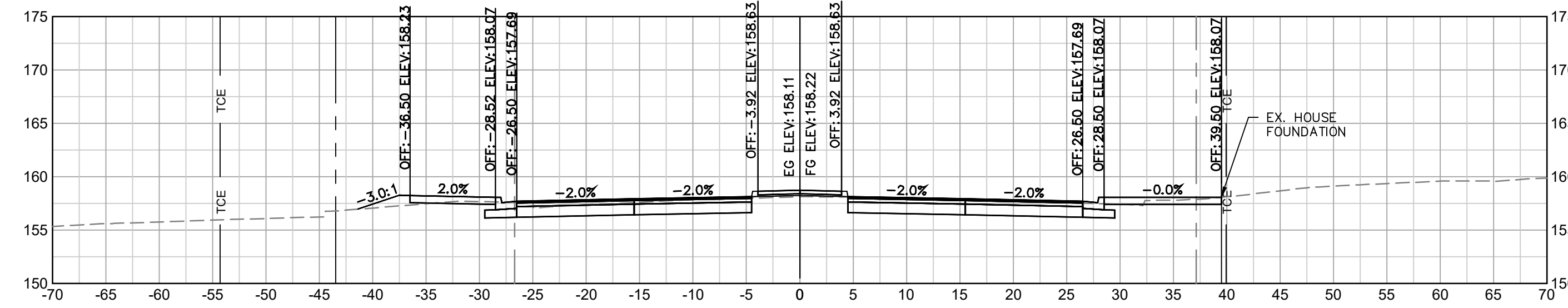
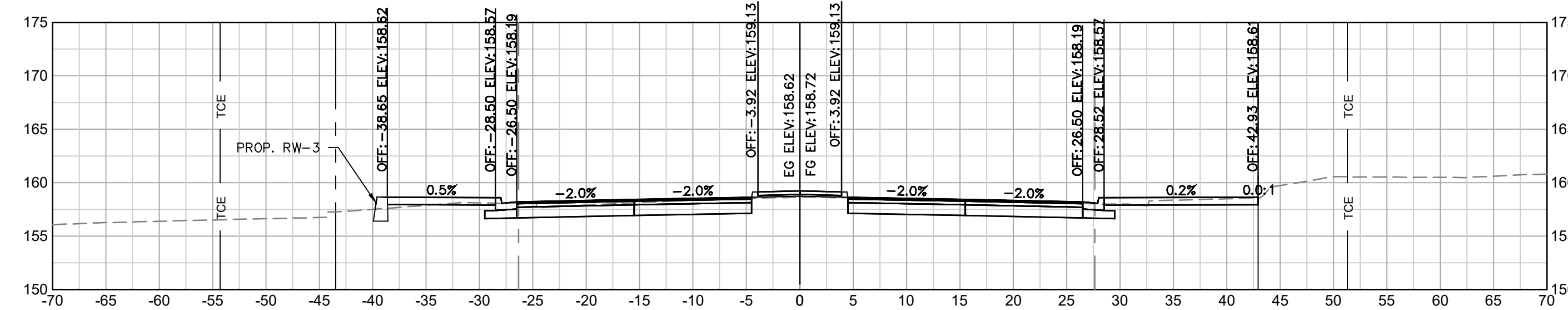
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Drawn: PNH
Checked: EJD
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Plotted: September 27, 2022
Plotted by: Miguel.Tyshing

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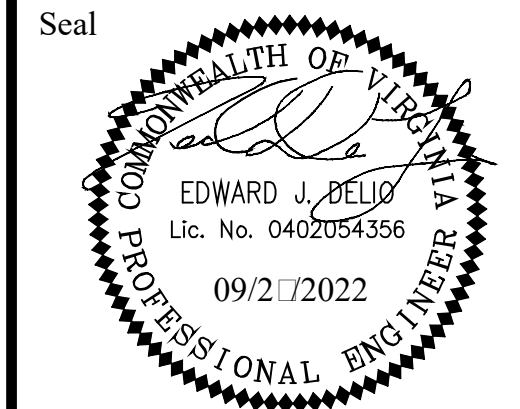
CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 75+50 TO STA. 76+75

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.3 of C16.16



LEGEND

	EXIST. RIGHT OF WAY
	PROP. RIGHT OF WAY
	EXIST. PERMANENT EASEMENT
	PROP. PERMANENT EASEMENT
	EXIST. TEMPORARY CONSTRUCTION EASEMENT
	PROP. TEMPORARY CONSTRUCTION EASEMENT
	EXIST. MAINTENANCE EASEMENT
	PROP. MAINTENANCE EASEMENT
	UTIL
	PROP. UTILITY EASMENT



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

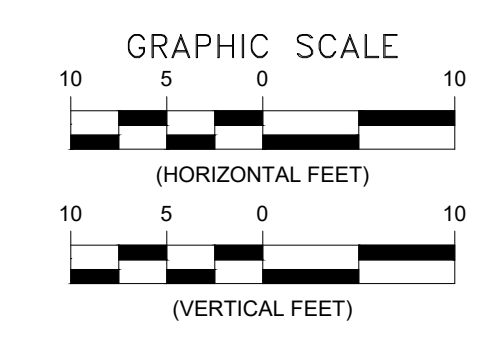
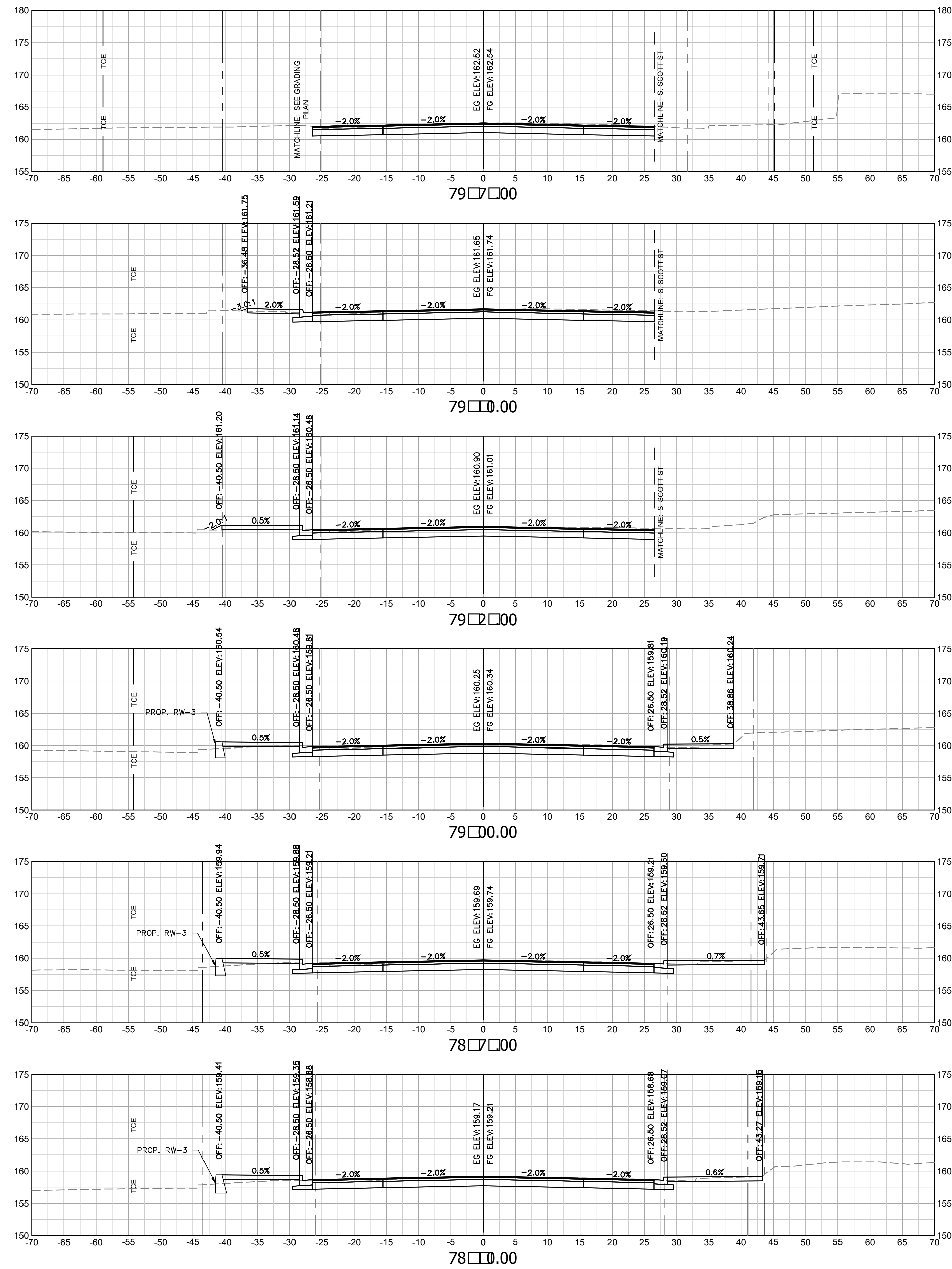
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Plotted: September 27, 2022
Plotted by: Miguel Tyshing

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CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 77+00 TO STA. 7+25

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.4 of C16.16

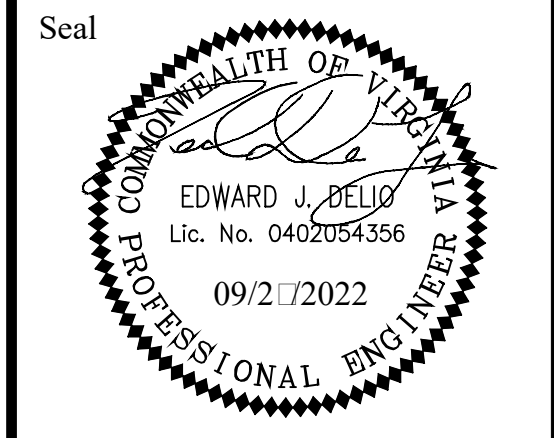


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---	EXIST. PERMANENT EASEMENT
---	PROP. PERMANENT EASEMENT
---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	EXIST. MAINTENANCE EASEMENT
---	PROP. MAINTENANCE EASEMENT
---	EXIST. UTILITY EASEMENT
---	PROP. UTILITY EASEMENT

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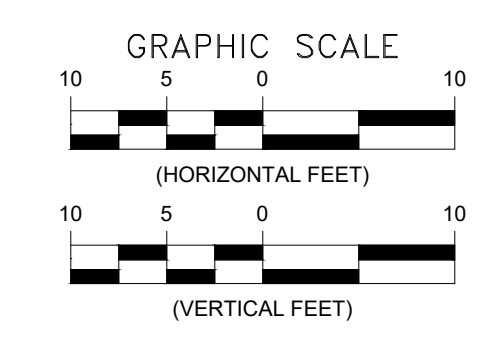
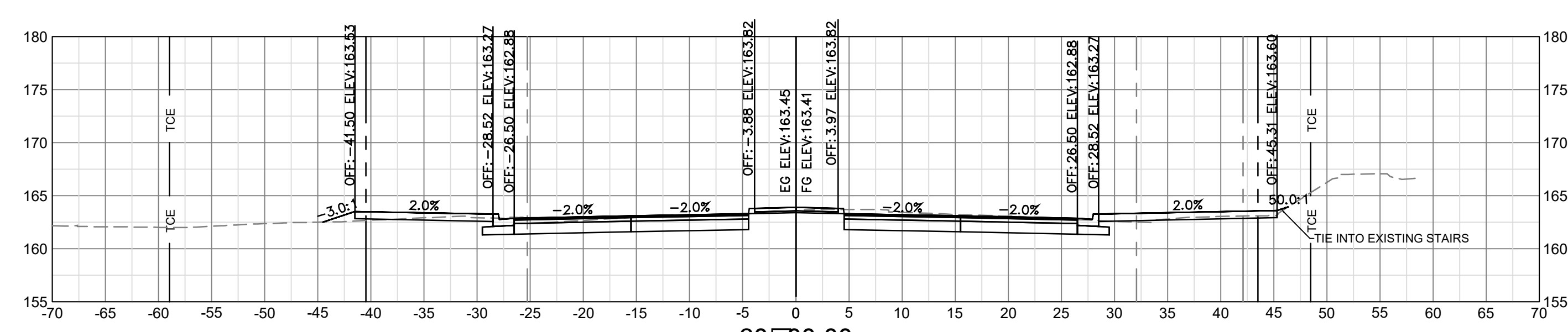
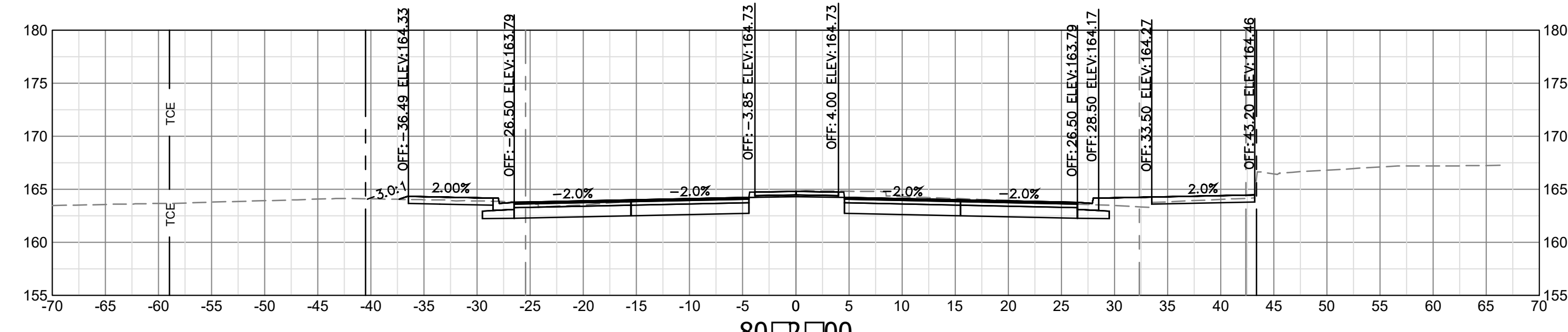
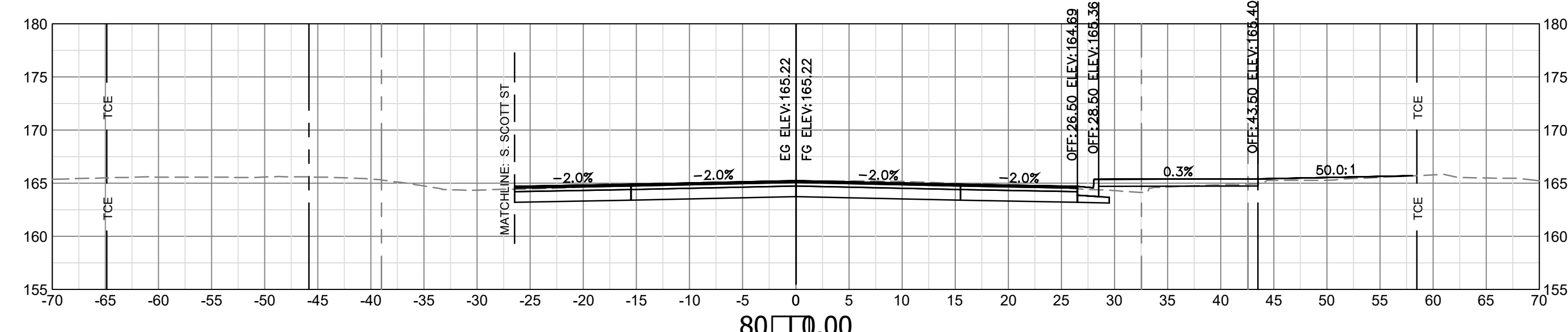
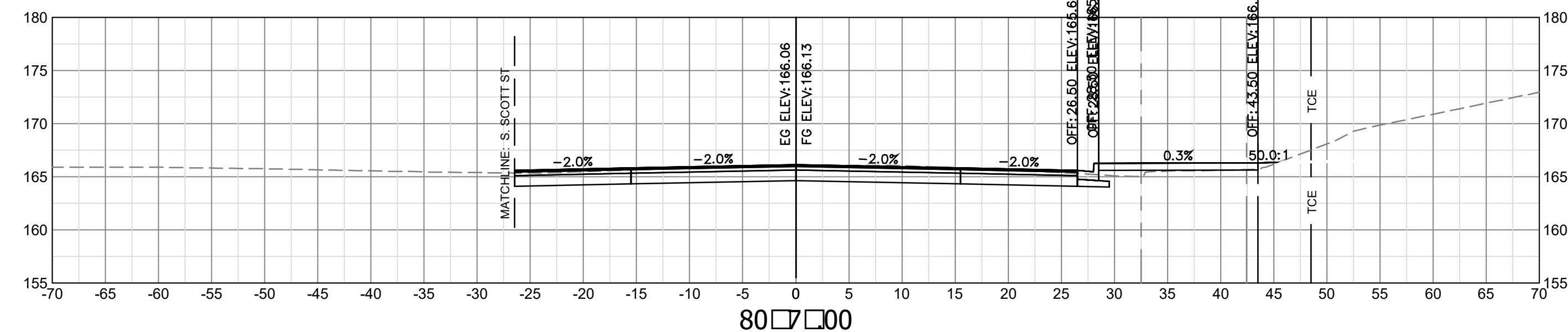
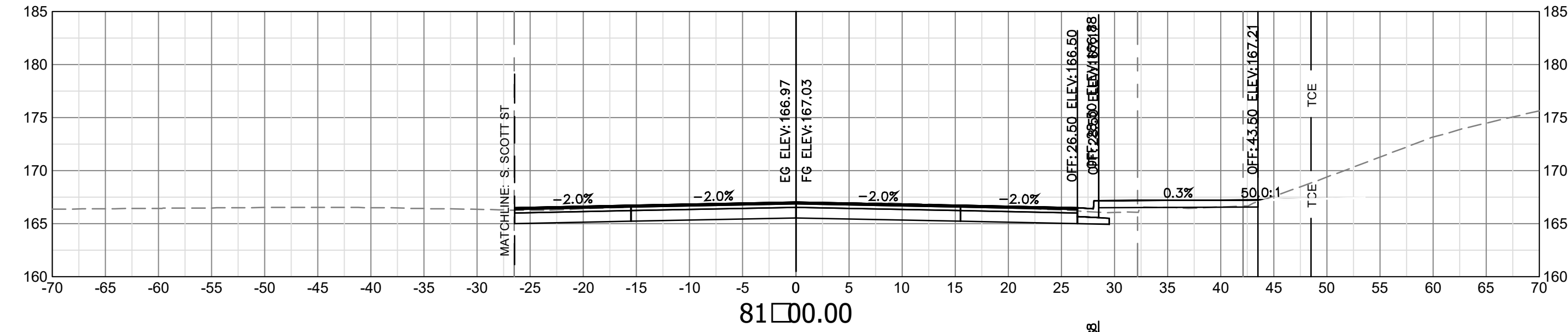
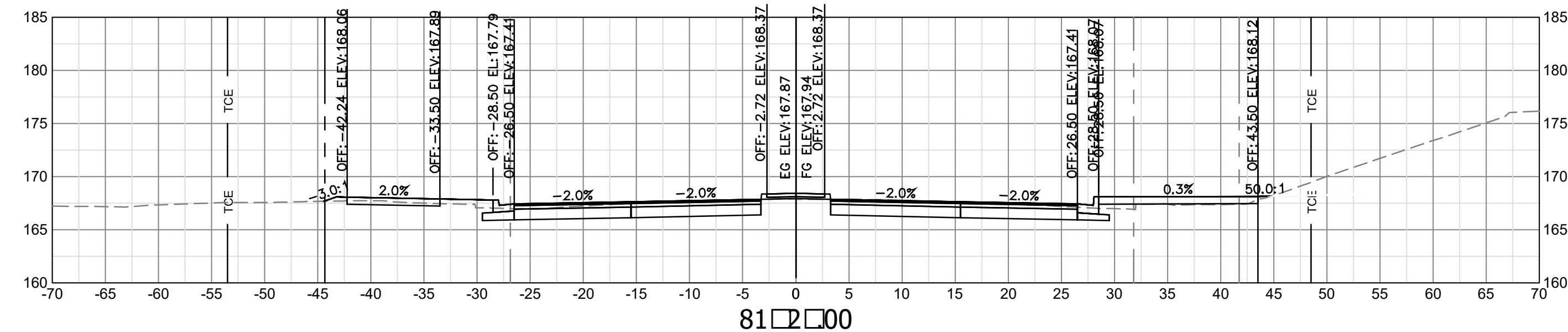
Revisions	Date

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Plotted: September 27, 2022
Plotted by: Miguel Tyshing

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CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 7+50 TO STA. 79+75

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.5 of C16.16

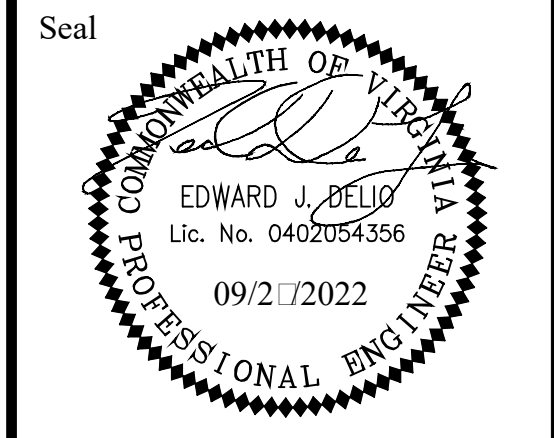


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---	PROP. PERMANENT EASEMENT
---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	EXIST. MAINTENANCE EASEMENT
---	PROP. MAINTENANCE EASEMENT
---	EXIST. UTILITY EASMENT
---	PROP. UTILITY EASMENT

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Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions	Date

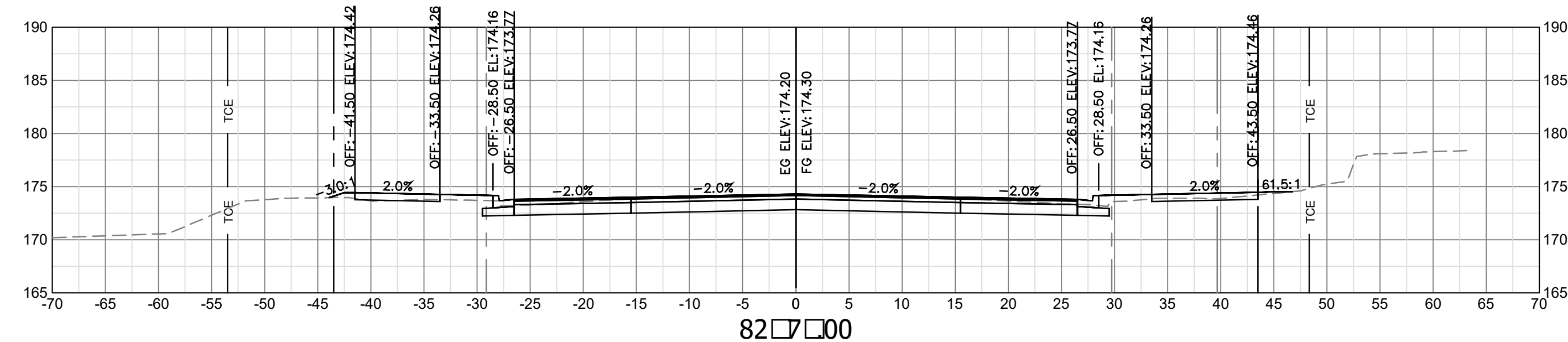
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Plotted: September 27, 2022
Plotted by: Miguel.Tyshing

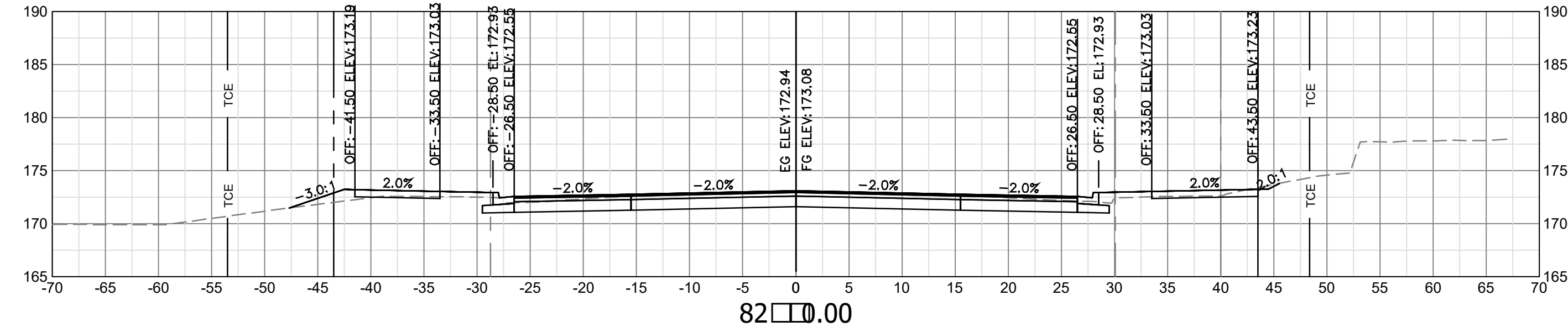
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CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 0+00 TO STA. 0+25

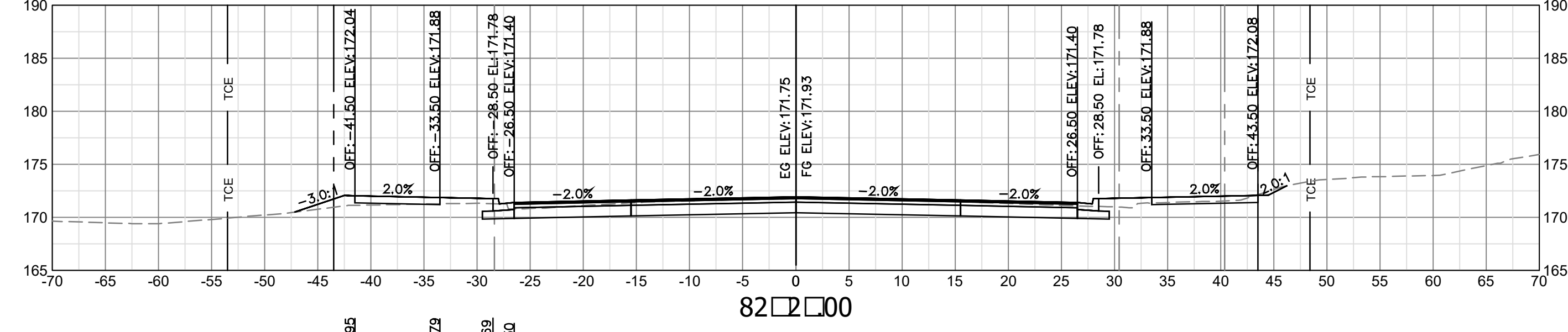
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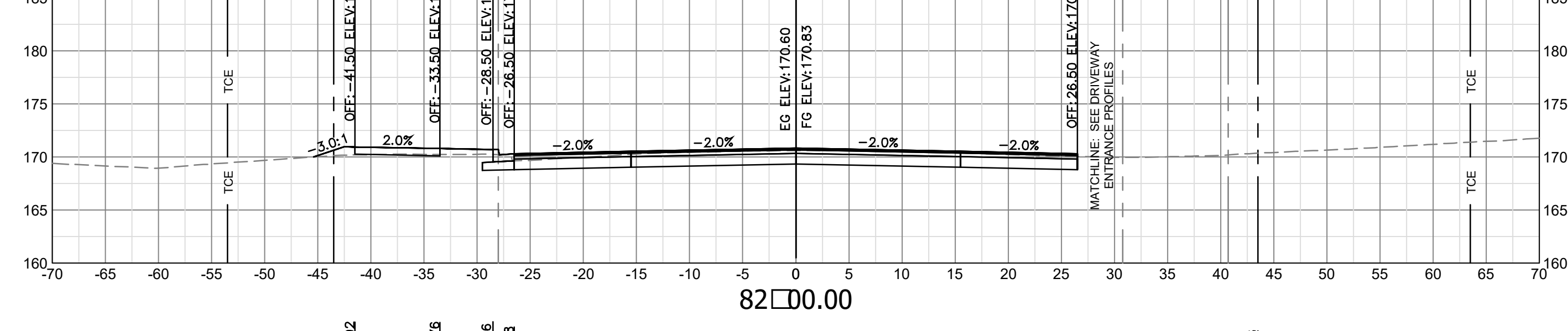
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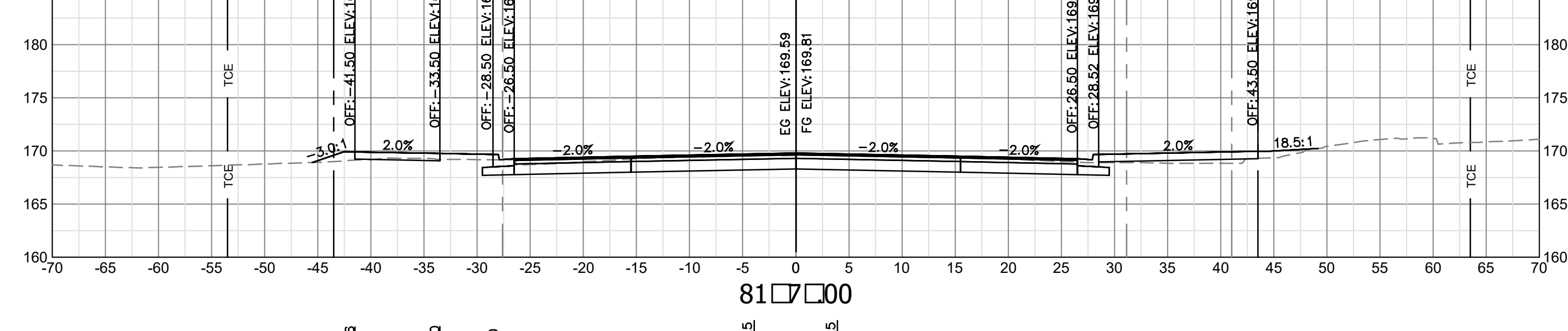
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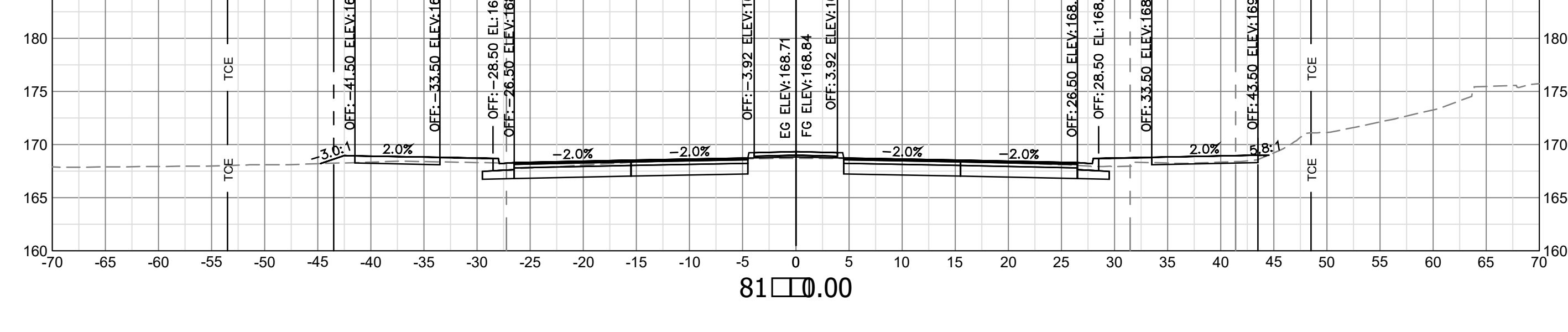
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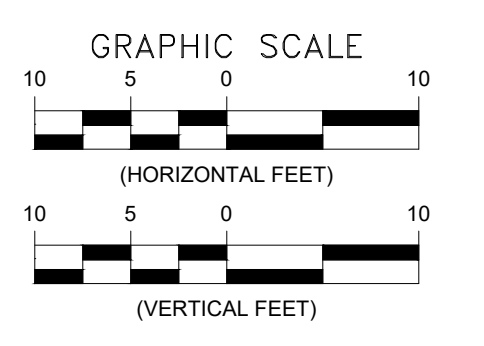
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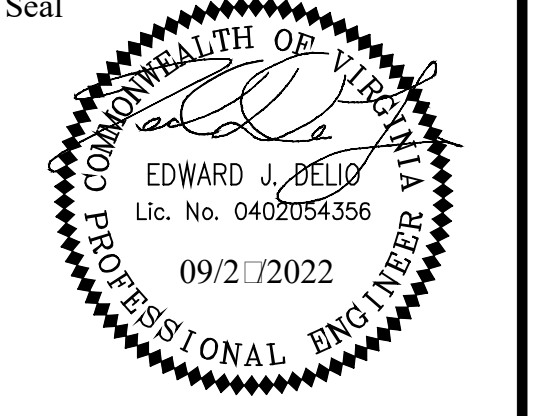
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LEGEND	
---	EXIST. RIGHT OF WAY
---	PROP. RIGHT OF WAY
---	EXIST. PERMANENT EASEMENT
---	PROP. PERMANENT EASEMENT
---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	EXIST. MAINTENANCE EASEMENT
---	PROP. MAINTENANCE EASEMENT
---	EXIST. UTILITY EASEMENT
---	PROP. UTILITY EASEMENT

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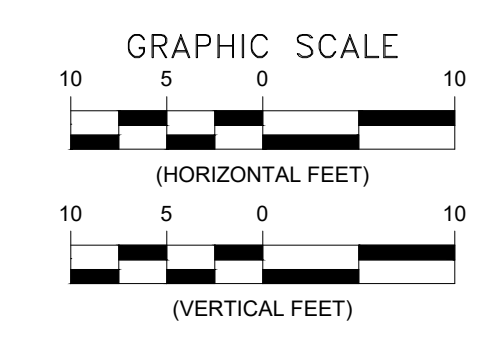
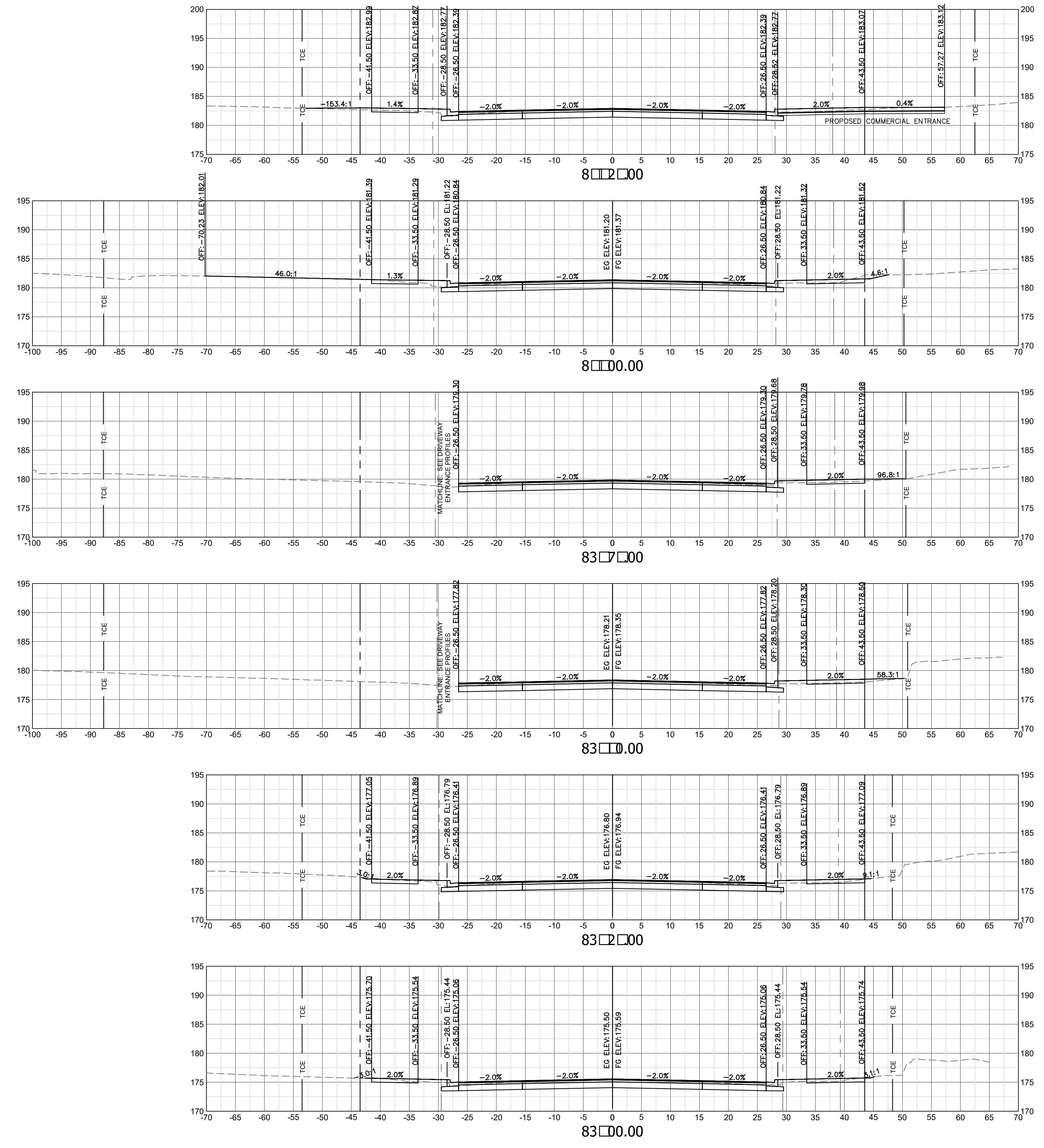
Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	
Revisions	Date

Designed: TEC
 Drawn: PNH
 Checked: EJD
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 Plotted: September 27, 2022
 Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 81+50 TO STA. 82+75

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.7 of C16.16

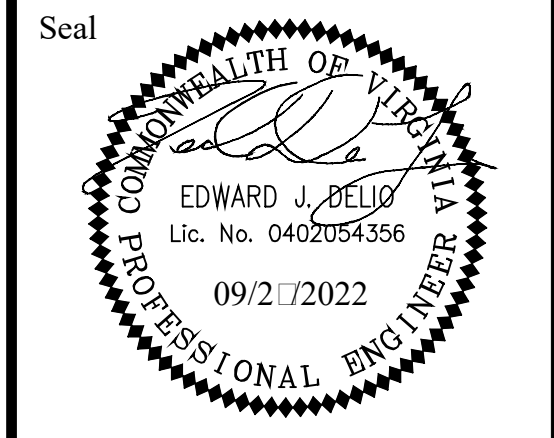


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--- ---	PROP. PERMANENT EASEMENT
--- TCE ---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
--- TCE ---	PROP. TEMPORARY CONSTRUCTION EASEMENT
--- MNTC ---	EXIST. MAINTENANCE EASEMENT
--- MNTC ---	PROP. MAINTENANCE EASEMENT
--- UTIL ---	PROP. UTILITY EASEMENT

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

Revisions	Date

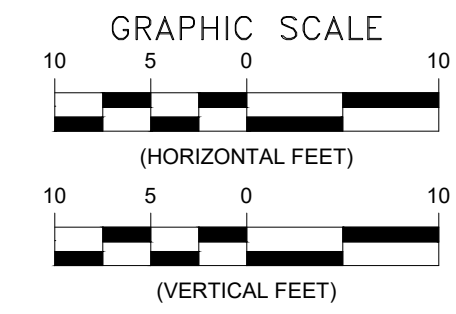
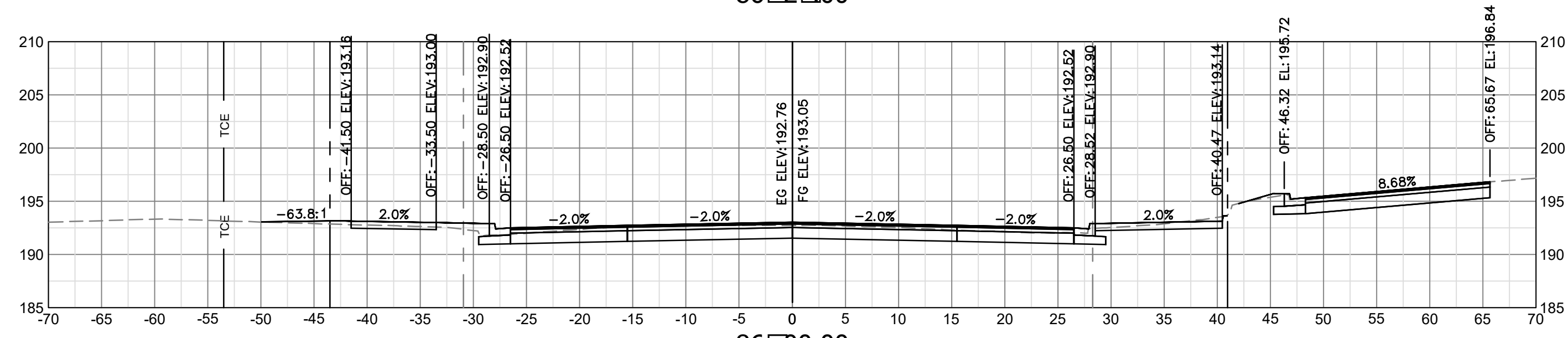
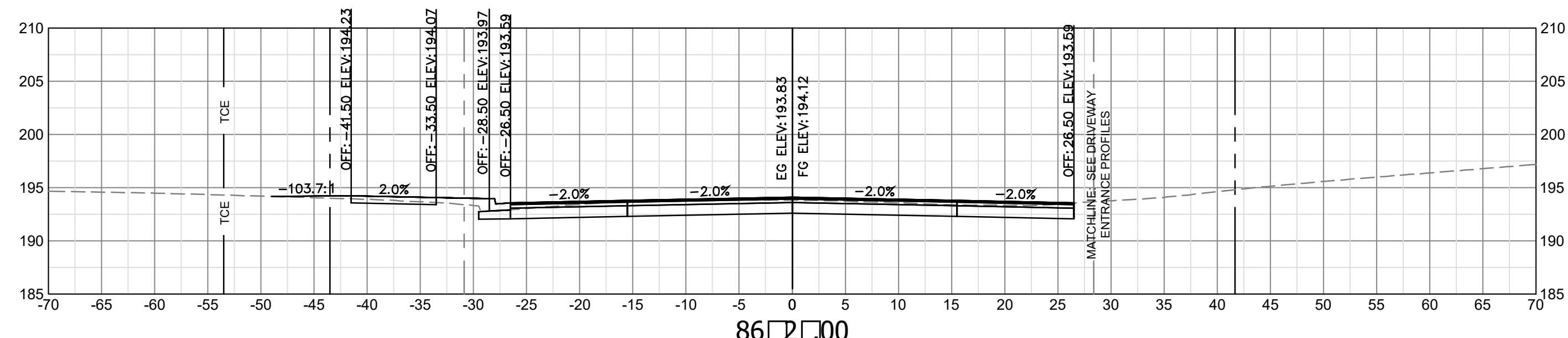
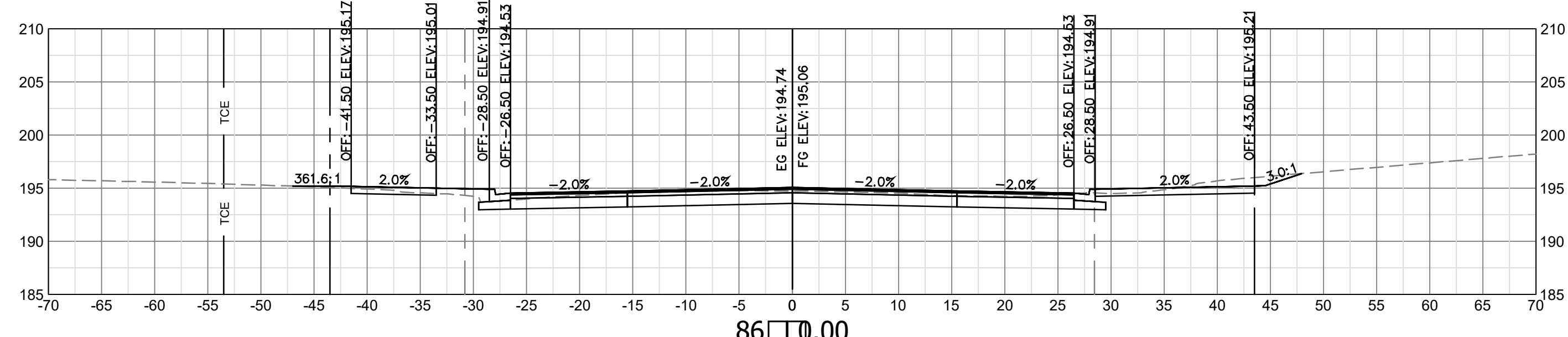
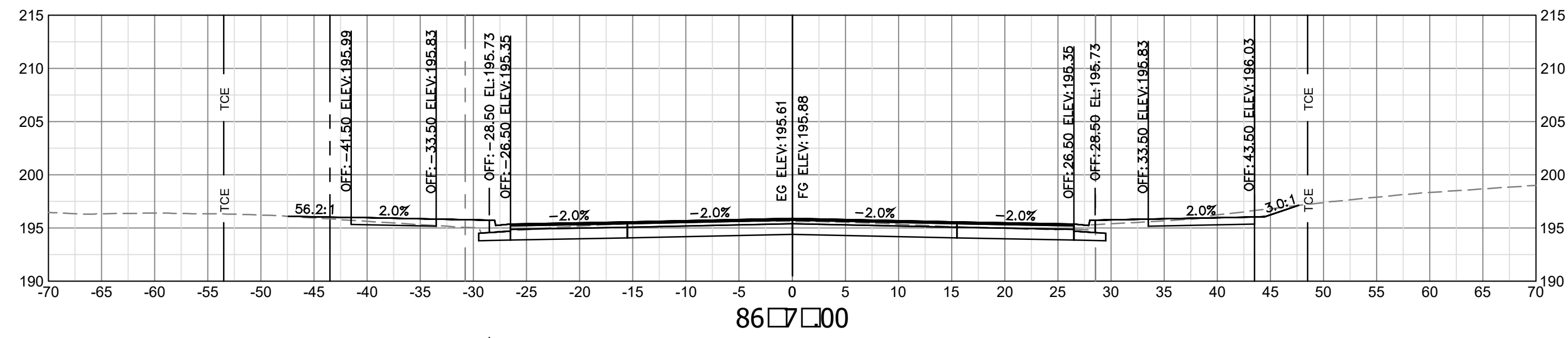
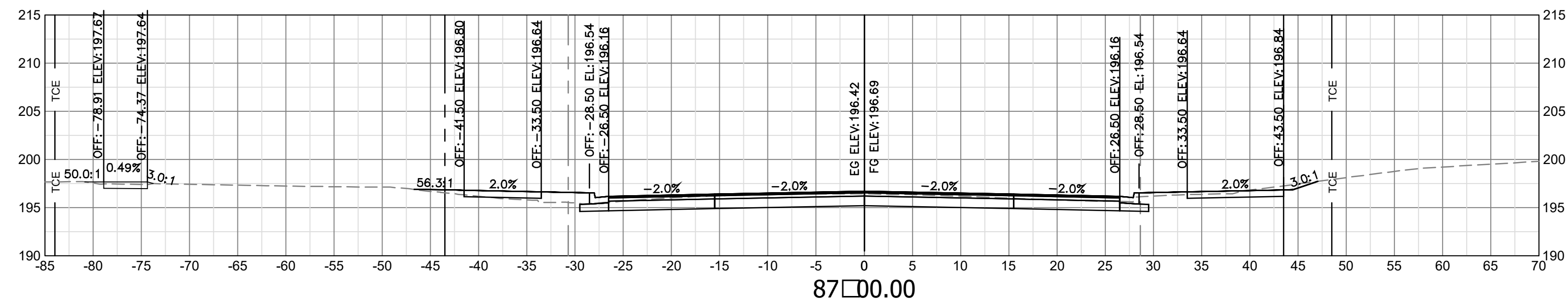
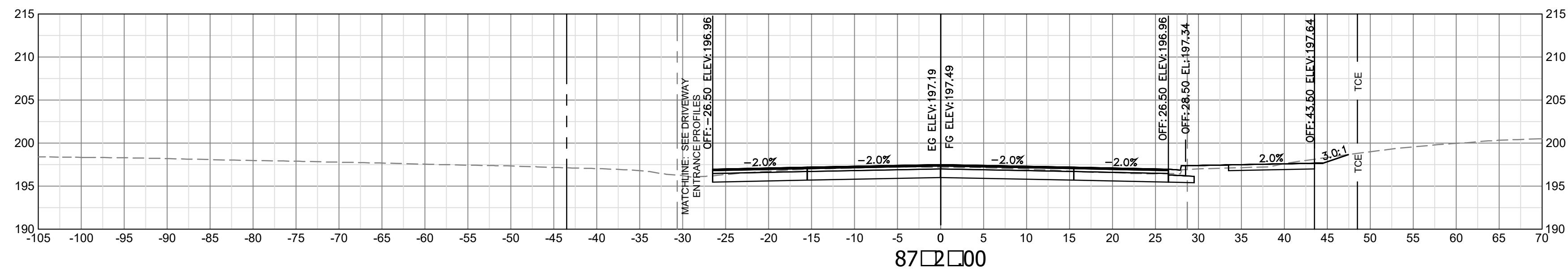
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Plotted: September 27, 2022
Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 83+00 TO STA. 84+25

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16 of C16.16

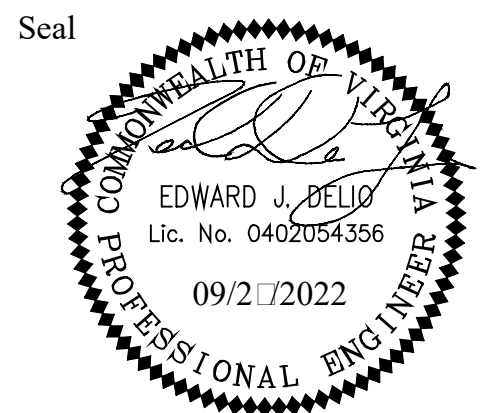


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---	---	PROP. PERMANENT EASEMENT
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---	---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	---	EXIST. MAINTENANCE EASEMENT
---	---	PROP. MAINTENANCE EASEMENT
---	---	EXIST. UTILITY EASMENT
---	---	PROP. UTILITY EASMENT

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Approvals _____ Date _____

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Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

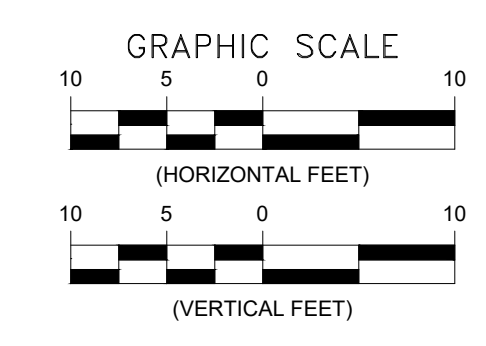
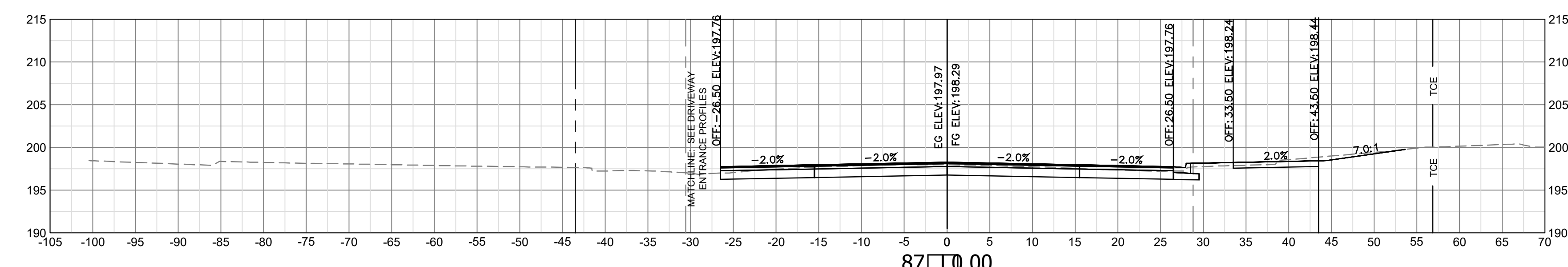
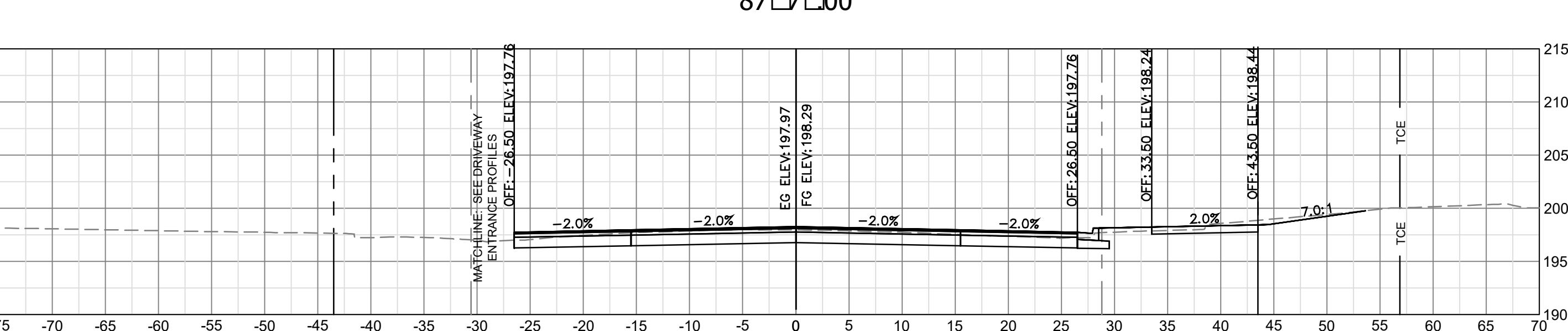
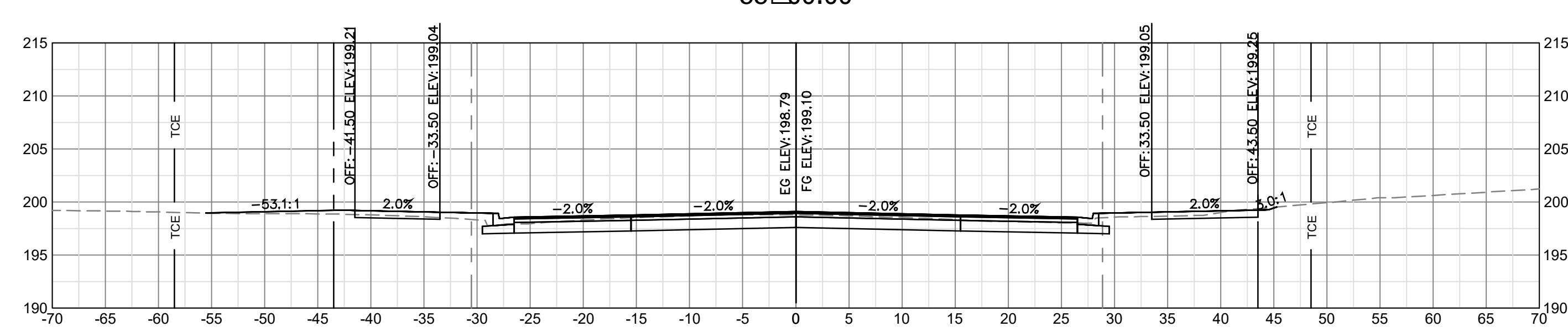
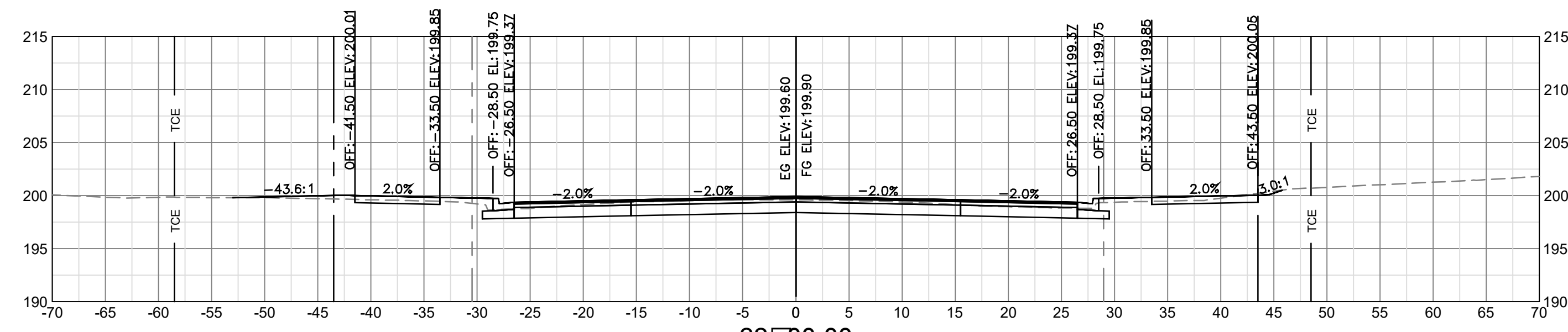
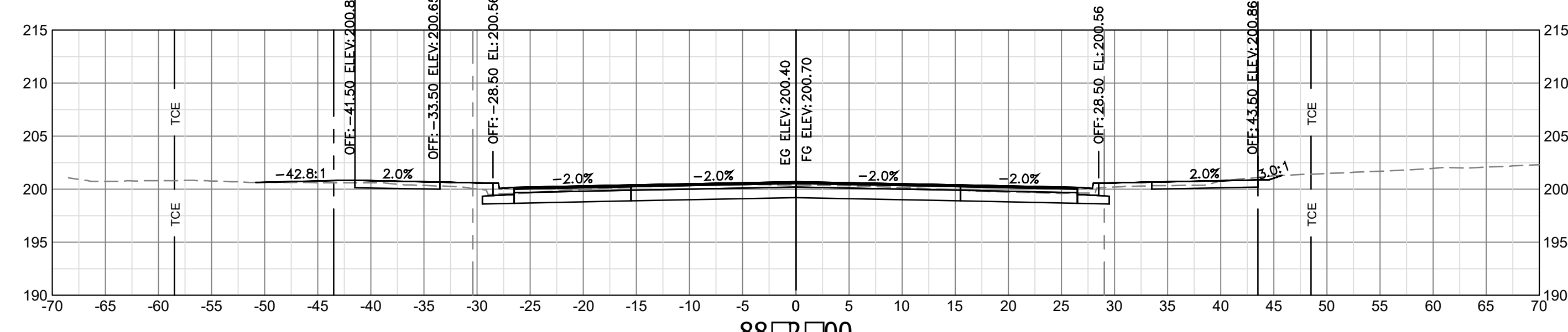
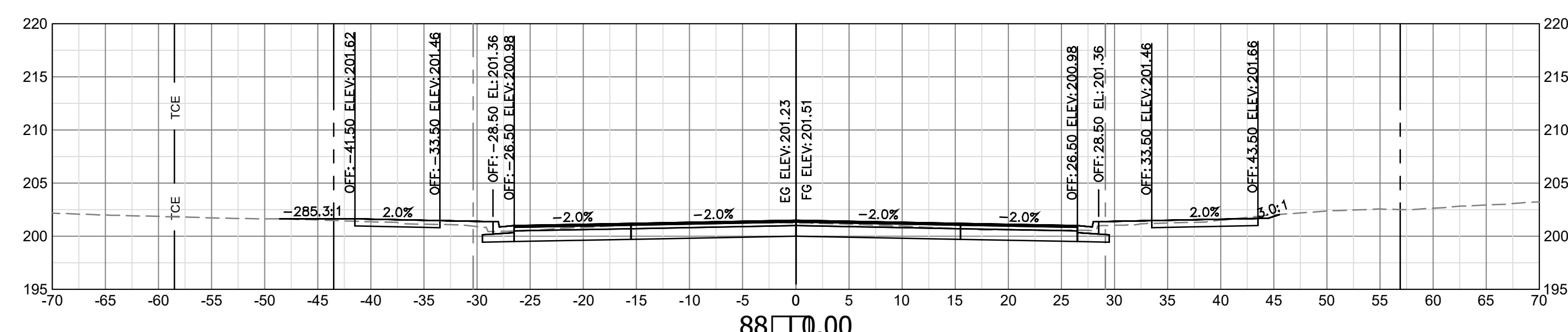
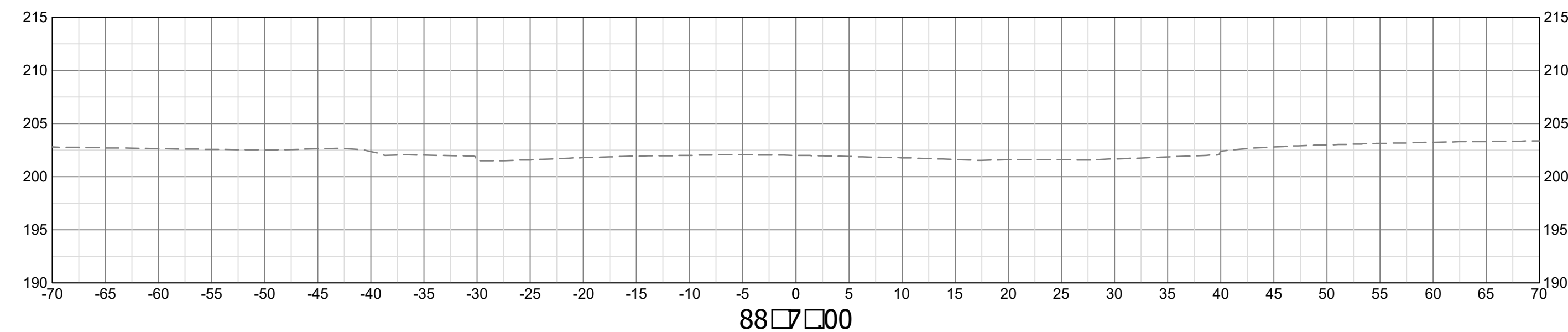
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Plotted: September 27, 2022
Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA
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CROSS SECTIONS - COLUMBIA PIKE
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 6+00 TO STA. 7+25

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.10 of C16.16



LEGEND	
---	EXIST. RIGHT OF WAY
---	PROP. RIGHT OF WAY
---	EXIST. PERMANENT EASEMENT
---	PROP. PERMANENT EASEMENT
---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	EXIST. MAINTENANCE EASEMENT
---	PROP. MAINTENANCE EASEMENT
---	EXIST. UTILITY EASEMENT
---	PROP. UTILITY EASEMENT

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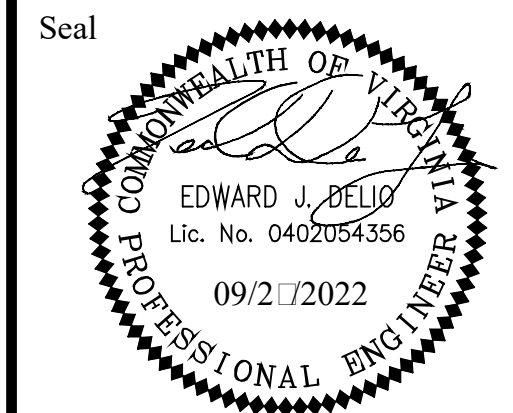
Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	
Revisions	Date

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 Path: C:\Users\jbell\OneDrive\Documents\010073-C-TS703.dwg
 Plotted: September 27, 2022
 Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - COLUMBIA PIKE
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 0+50 TO STA. 0+75

SCALE: HOR. 1" = 10'; VERT. 1" = 10' SHEET: C16.11 of C16.16



Seal

Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

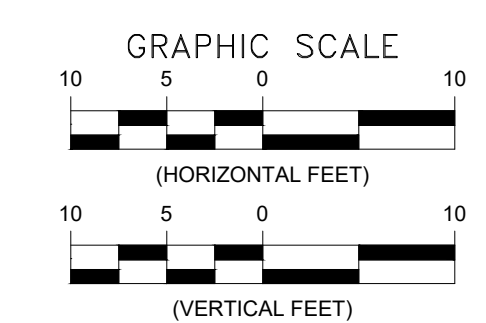
Transportation Director _____

Project Manager _____

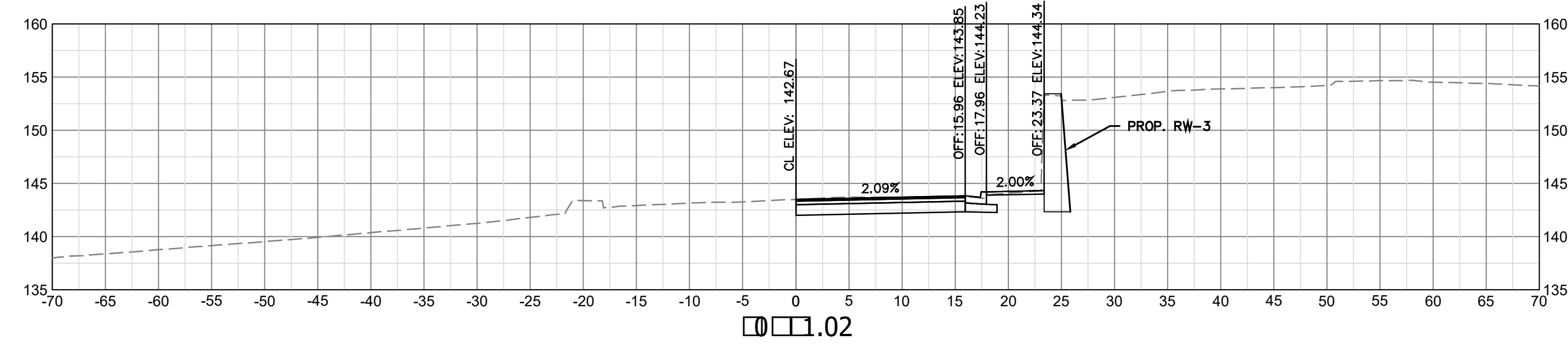
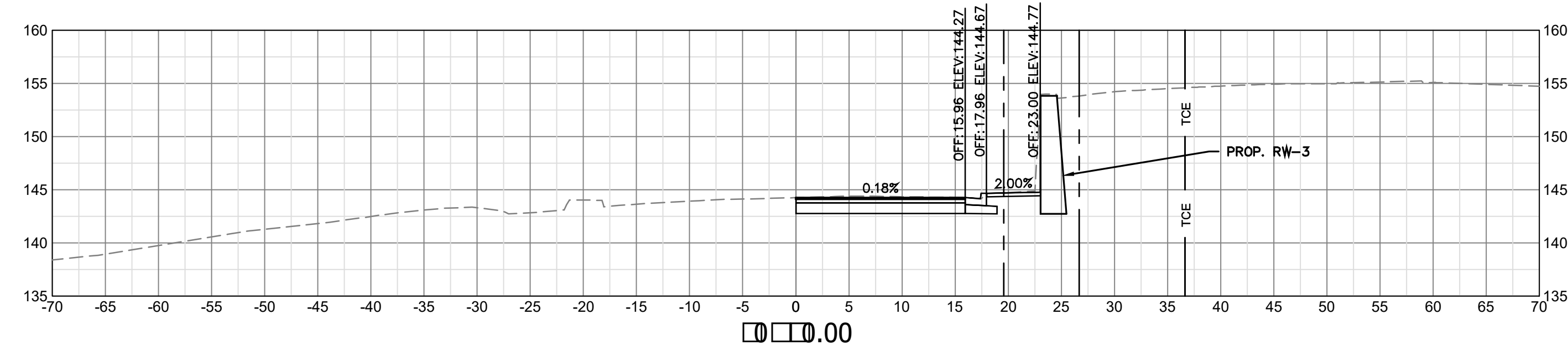
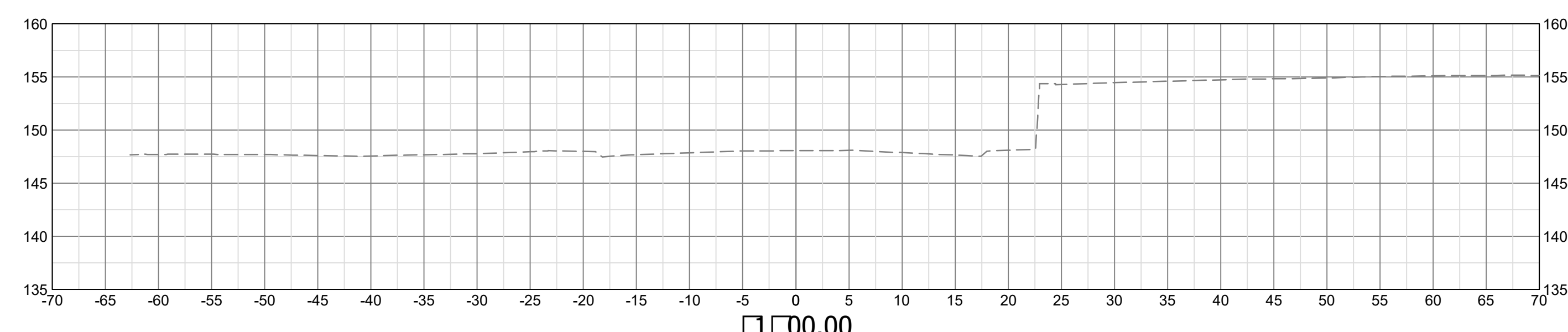
Revisions _____ Date _____

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

Filename: 010073-C-15706.dwg
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 Plotted: September 27, 2022
 Plotted by: Miguel.Tyshing



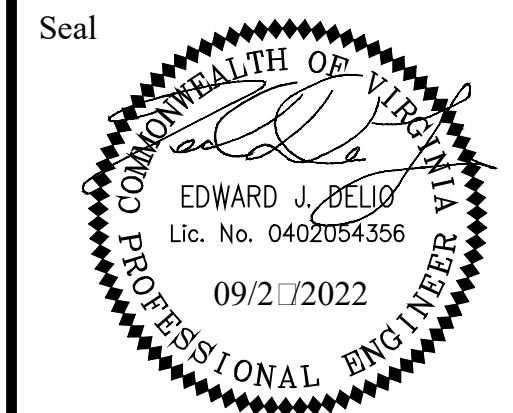
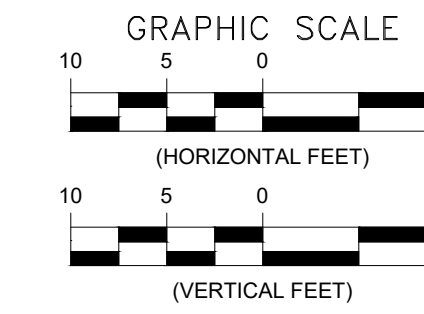
LEGEND	
-----	EXIST. RIGHT OF WAY
-----	PROP. RIGHT OF WAY
-----	EXIST. PERMANENT EASEMENT
-----	PROP. PERMANENT EASEMENT
--- TCE --- TCE ---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
--- TCE --- TCE ---	PROP. TEMPORARY CONSTRUCTION EASEMENT
--- MNTC --- MNTC ---	EXIST. MAINTENANCE EASEMENT
--- MNTC --- MNTC ---	PROP. MAINTENANCE EASEMENT
--- UTIL --- UTIL ---	PROP. UTILITY EASMENT



ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - S. QUINN ST.
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 40+25 TO STA. 41+00

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.12 of C16.16



LEGEND

---	---	EXIST. RIGHT OF WAY
---	---	PROP. RIGHT OF WAY
---	---	EXIST. PERMANENT EASEMENT
---	---	PROP. PERMANENT EASEMENT
---	TCE	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	TCE	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	MNTC	EXIST. MAINTENANCE EASEMENT
---	MNTC	PROP. MAINTENANCE EASEMENT
---	UTIL	PROP. UTILITY EASMENT

Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

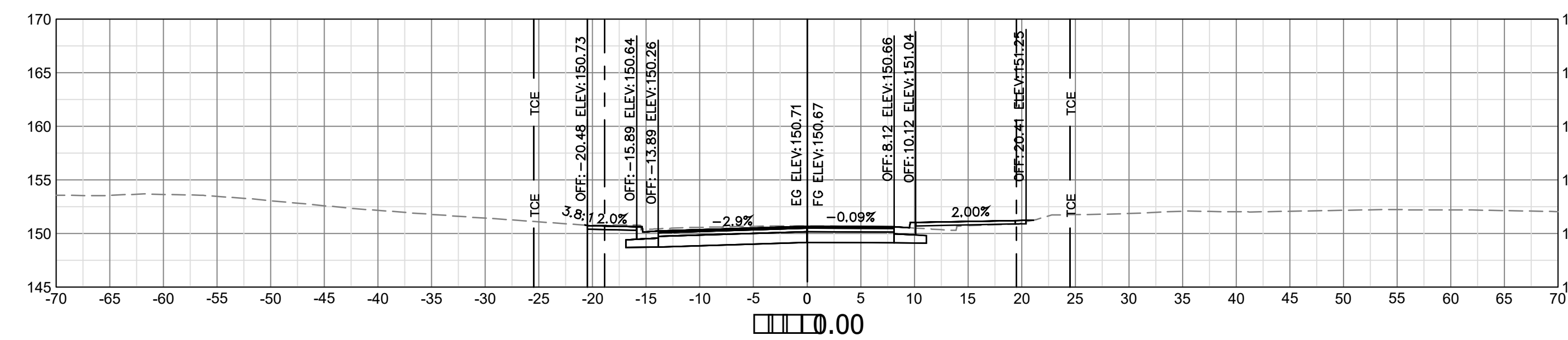
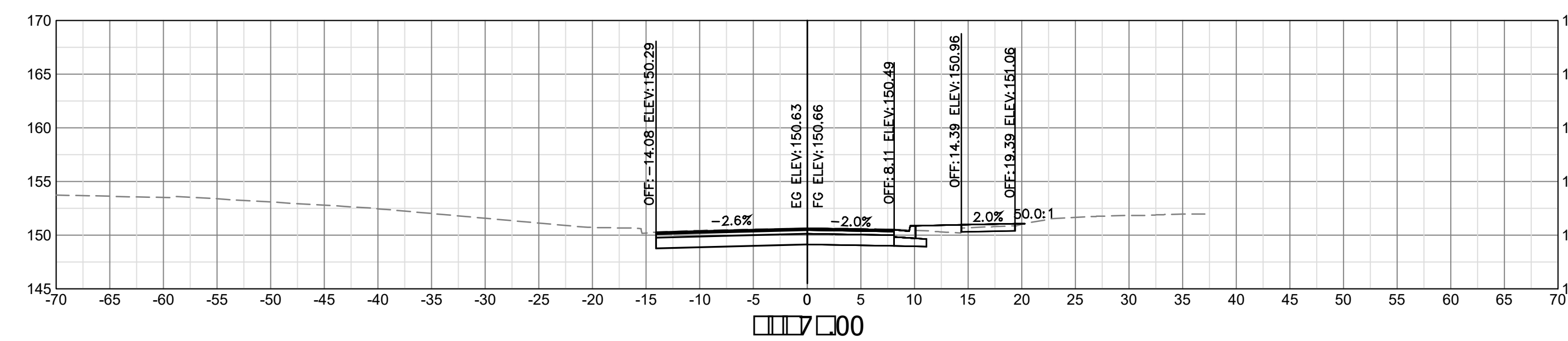
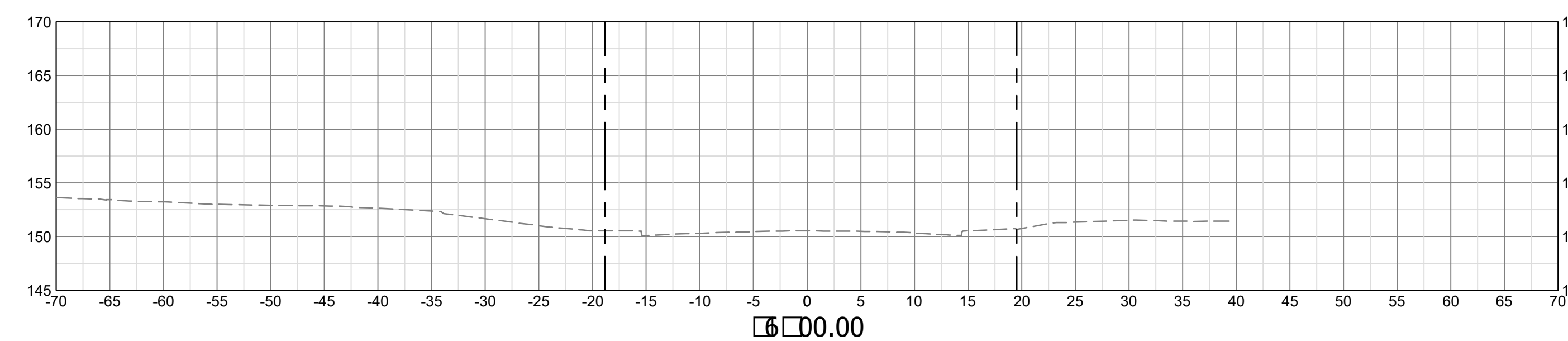
Transportation Director _____

Project Manager _____

Revisions _____ Date _____

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

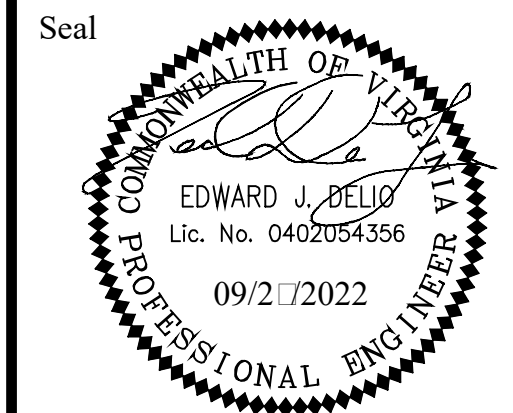
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Path: C:\Users\PNH\OneDrive\Documents\010073-C-15704.dwg
Plotted: September 27, 2022
Plotted by: Miguel Tyshing



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - S. ROLFE ST.
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C
STA. 45+50 TO STA. 45+75

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.13 of C16.16



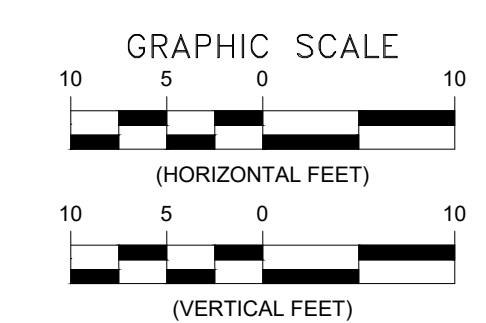
Seal

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

Revisions	Date

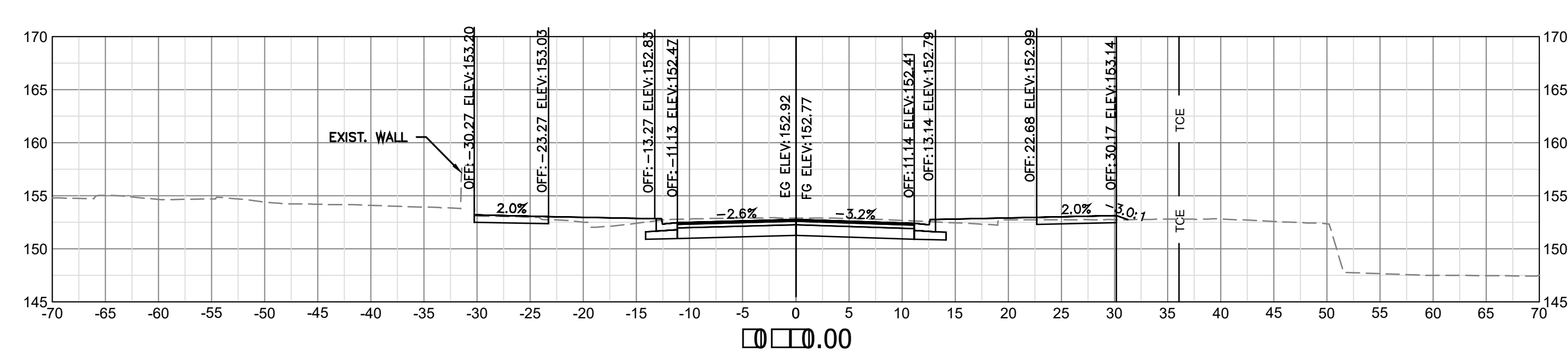
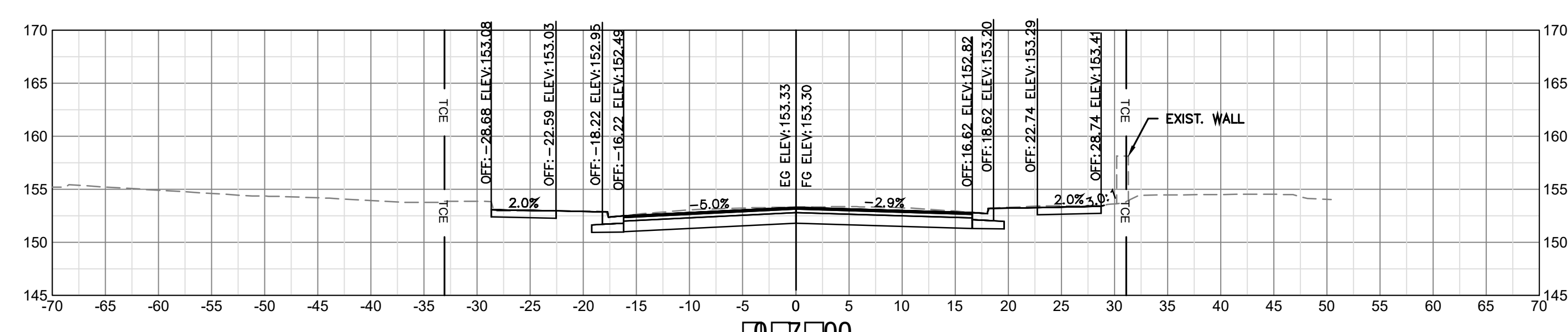
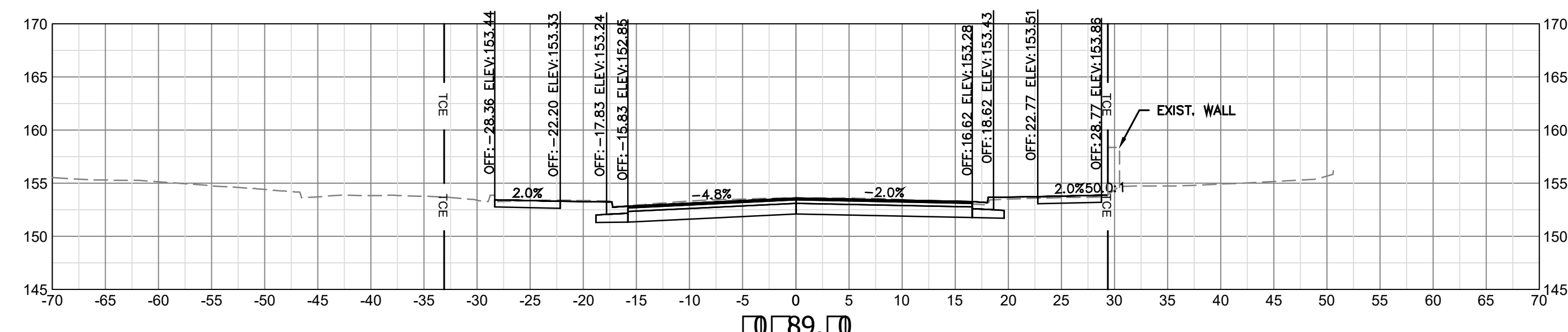
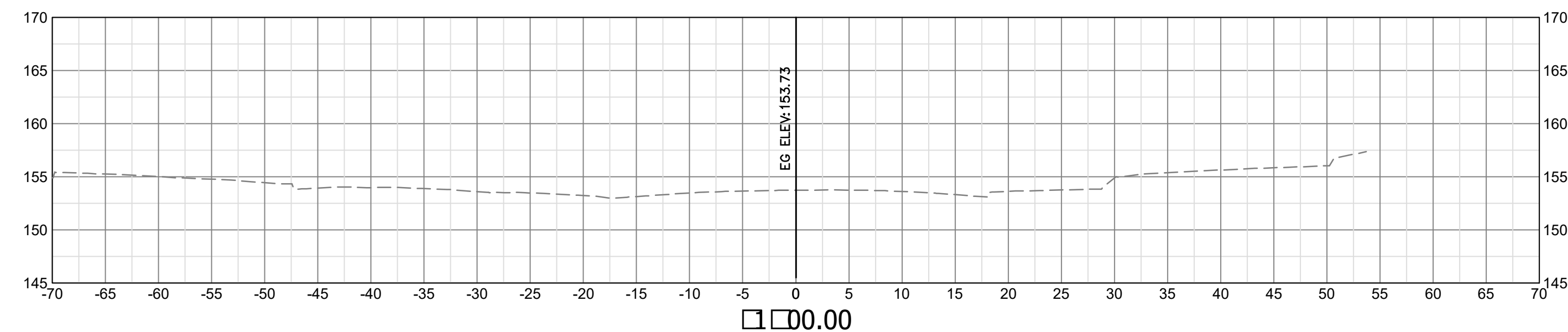
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 Checked: EJD
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Filename: 010073-C-15704.dwg
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 Plotted: September 27, 2022
 Plotted by: Miguel Tyshing



LEGEND

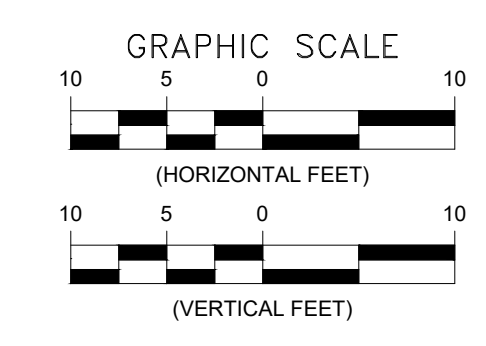
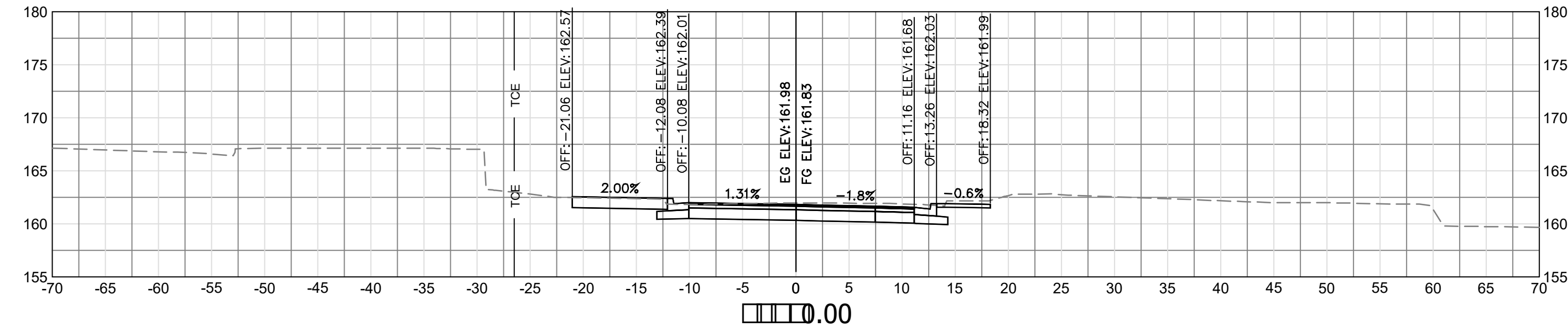
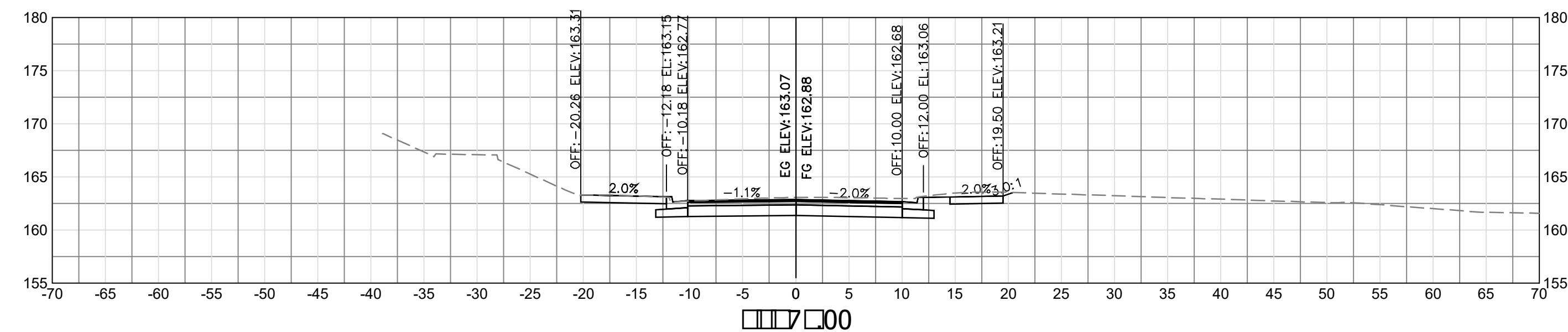
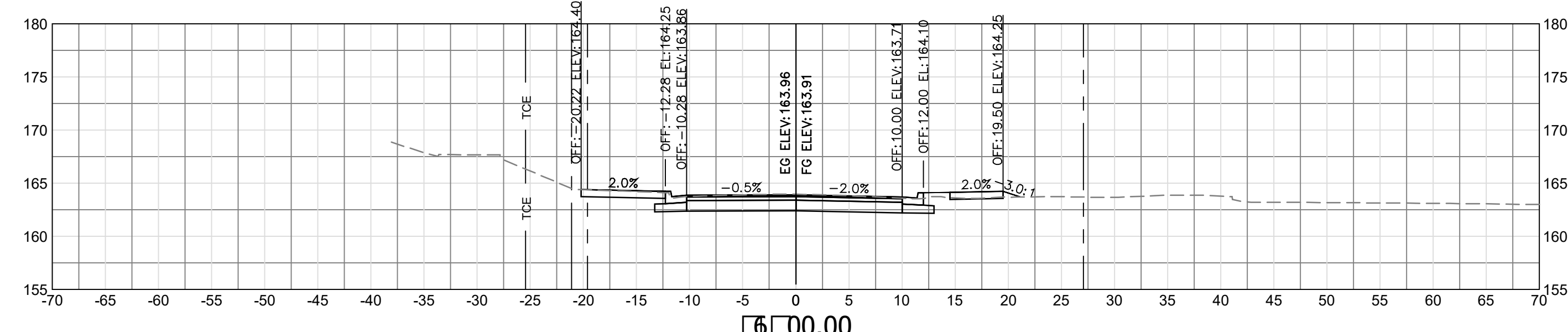
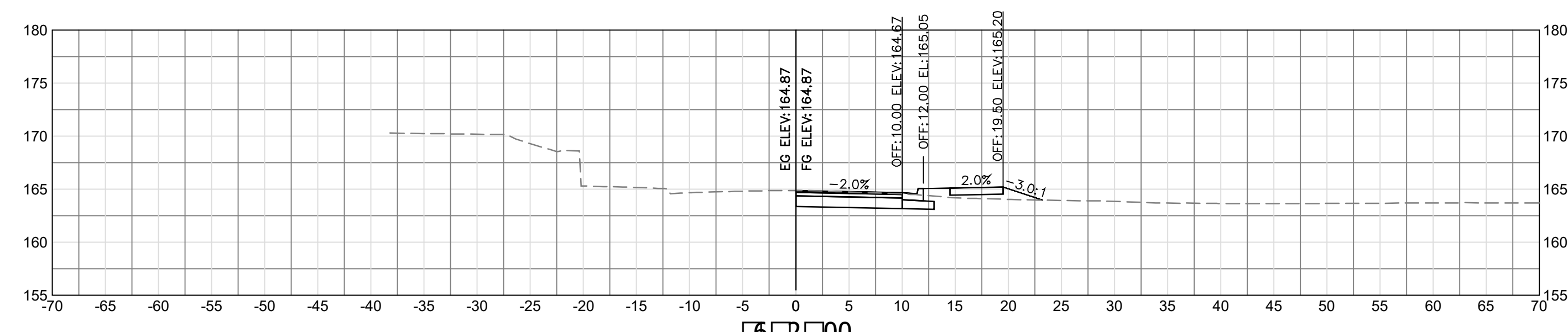
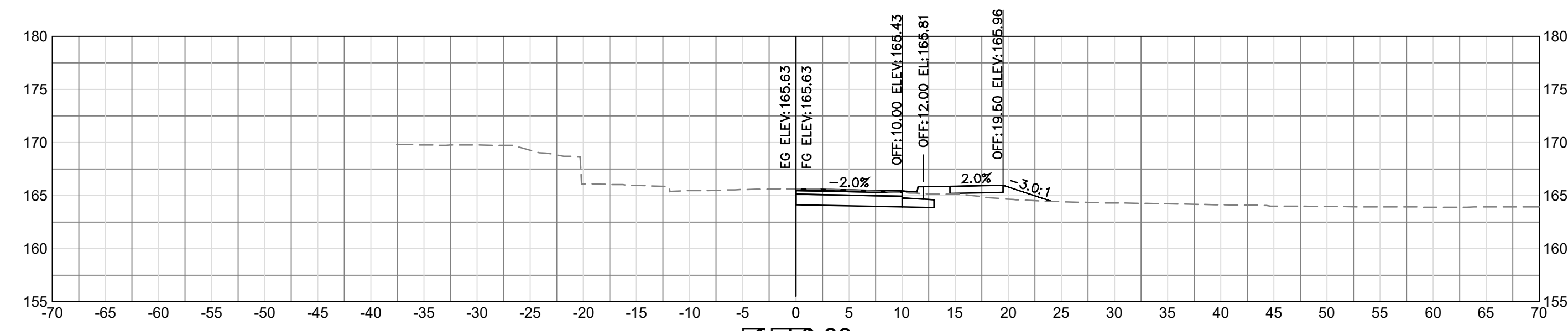
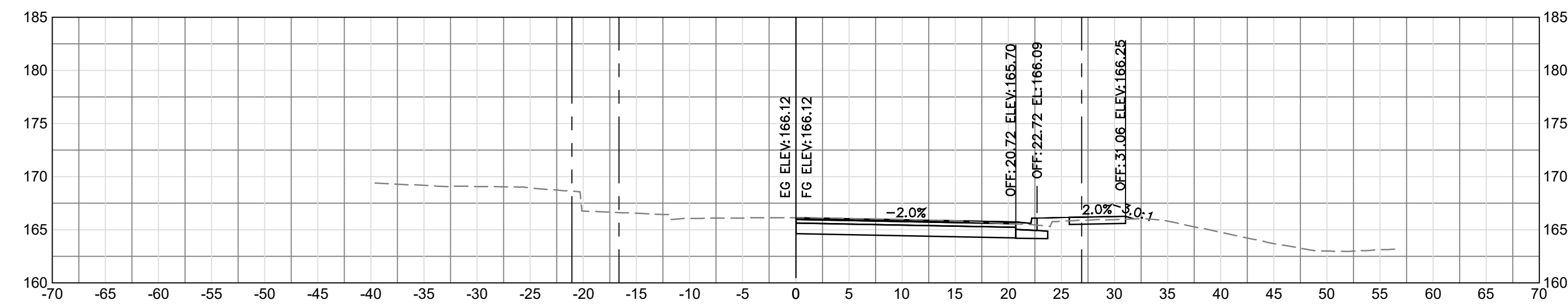
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---	---	PROP. RIGHT OF WAY
---	---	EXIST. PERMANENT EASEMENT
---	---	PROP. PERMANENT EASEMENT
---	---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	---	EXIST. MAINTENANCE EASEMENT
---	---	PROP. MAINTENANCE EASEMENT
---	---	PROP. UTILITY EASMENT



ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - S. ROLFE ST.
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 50+50 TO STA. 51+00

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.14 of C16.16

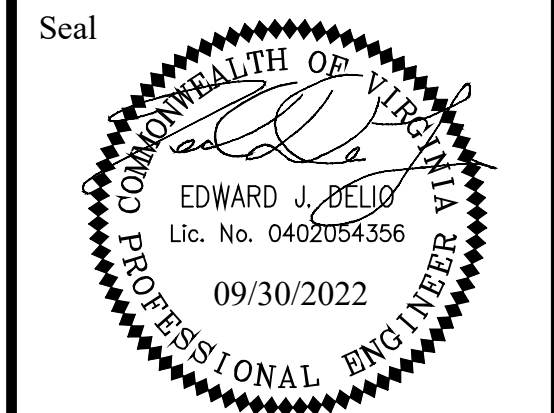


LEGEND

---	EXIST. RIGHT OF WAY
---	PROP. RIGHT OF WAY
---	EXIST. PERMANENT EASEMENT
---	PROP. PERMANENT EASEMENT
---	EXIST. TEMPORARY CONSTRUCTION EASEMENT
---	PROP. TEMPORARY CONSTRUCTION EASEMENT
---	EXIST. MAINTENANCE EASEMENT
---	PROP. MAINTENANCE EASEMENT
---	PROP. UTILITY EASMENT

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: 703-874-1390



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions	Date

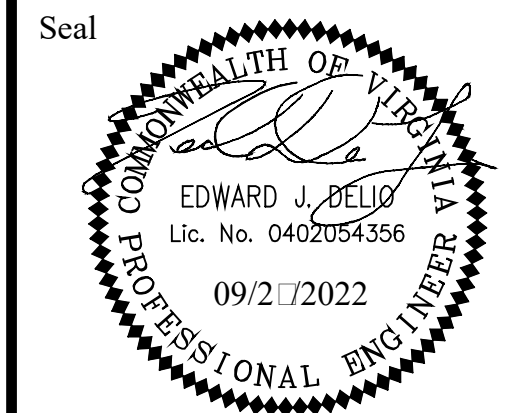
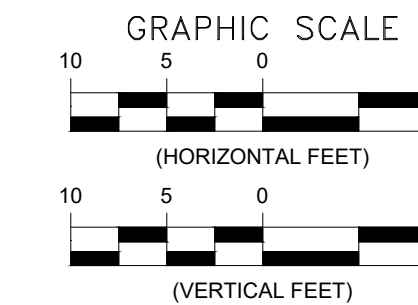
Designed: TEC
 Drawn: PNH
 Checked: EJD
 Miss Utility Transmittal #:

Filename: 010073-C-15705.dwg
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 Plotted: September 30, 2022
 Plotted by: Miguel.Tyshing

ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

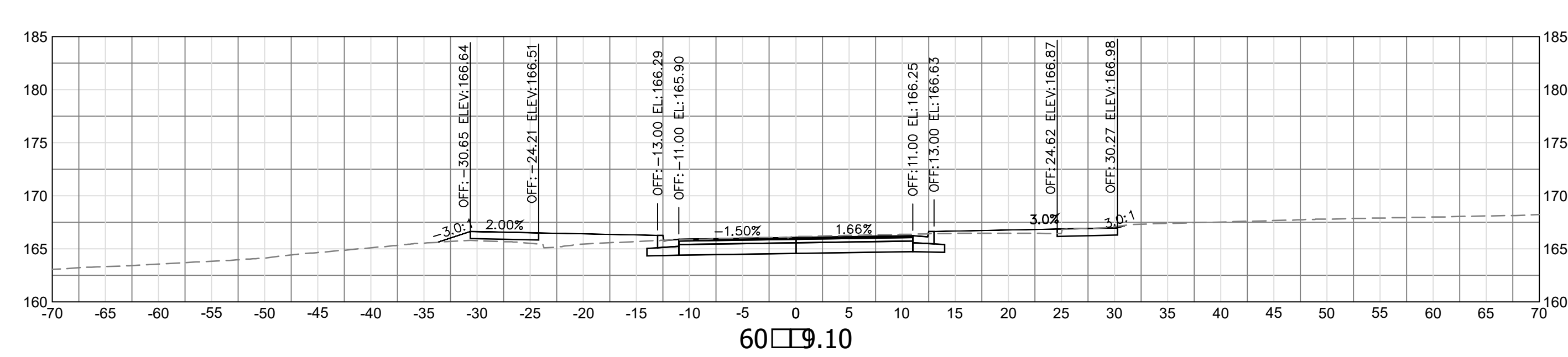
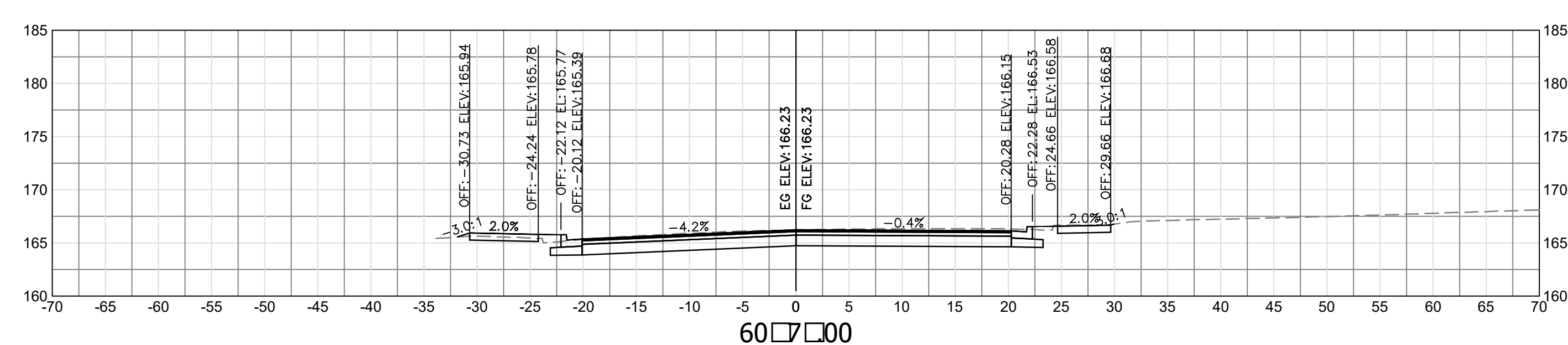
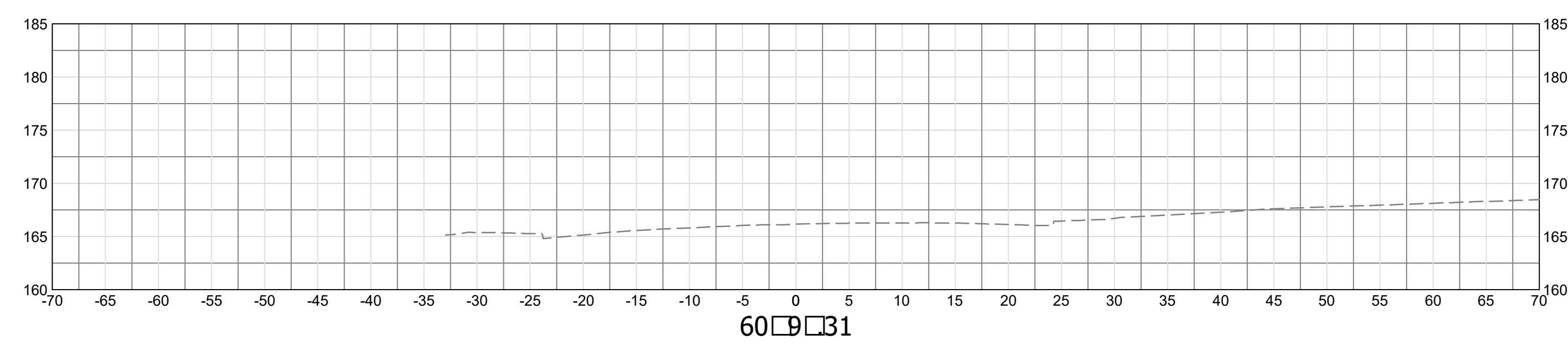
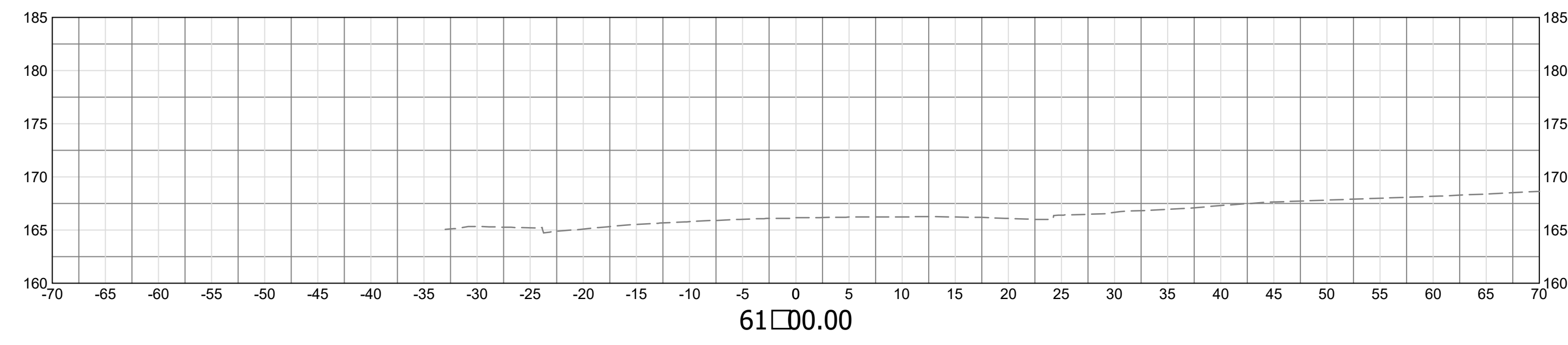
CROSS SECTIONS - S. SCOTT ST.
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 55+50 TO STA. 56+25

SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.15 of C16.16



LEGEND

---	---	EXIST. RIGHT OF WAY
---	---	PROP. RIGHT OF WAY
---	---	EXIST. PERMANENT EASEMENT
---	---	PROP. PERMANENT EASEMENT
TCE	TCE	EXIST. TEMPORARY CONSTRUCTION EASEMENT
TCE	TCE	PROP. TEMPORARY CONSTRUCTION EASEMENT
MNTC	MNTC	EXIST. MAINTENANCE EASEMENT
MNTC	MNTC	PROP. MAINTENANCE EASEMENT
UTIL	UTIL	PROP. UTILITY EASMENT



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

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

Filename: 010073-C-15705.dwg
 Path: C:\Users\jbell\OneDrive\Documents\010073-C-15705.dwg
 Plotted: September 27, 2022
 Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

CROSS SECTIONS - S. SCOTT ST.
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 60 50 TO STA. 61 00

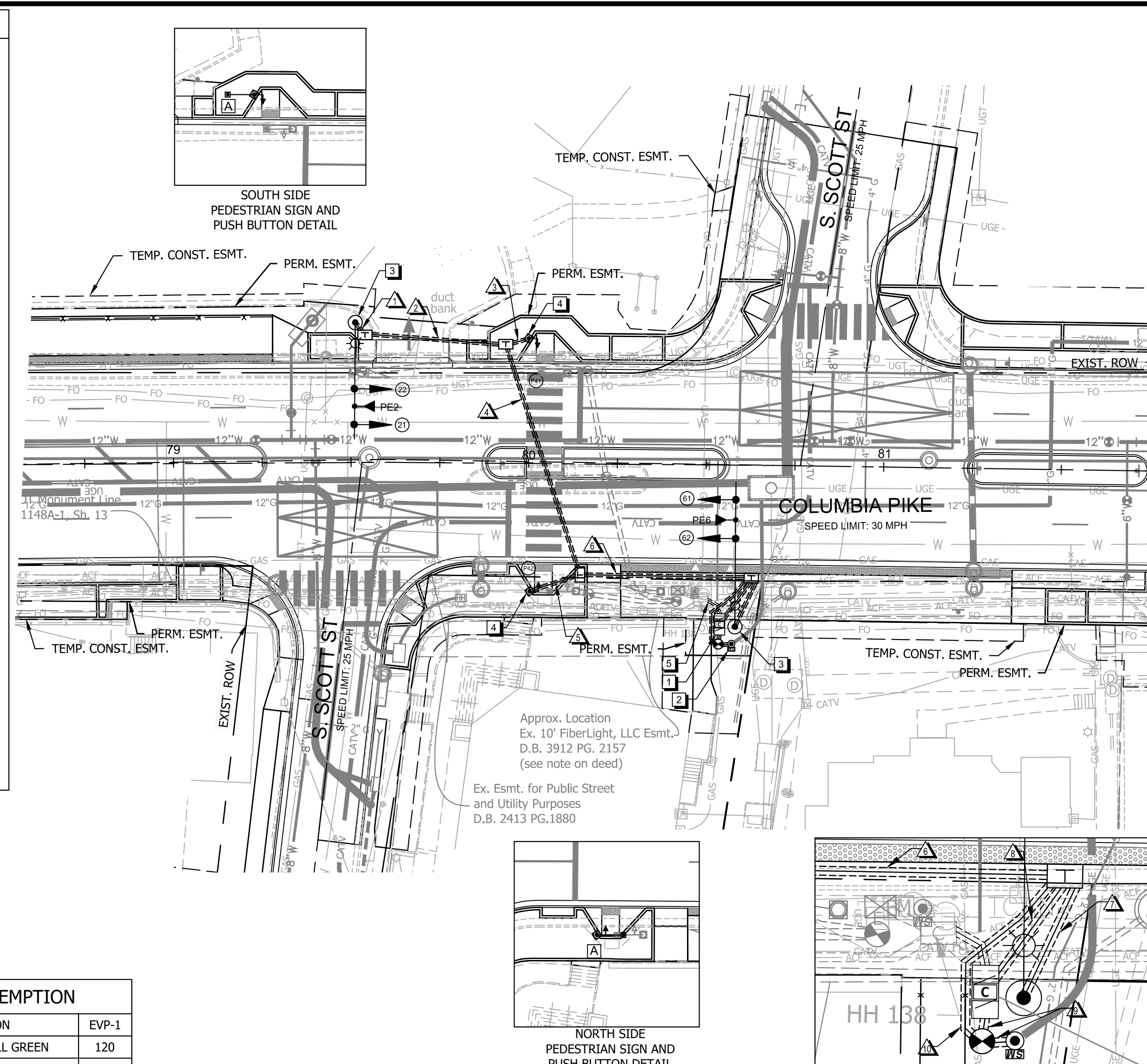
SCALE: HOR. 1" = 10' VERT. 1" = 10' SHEET: C16.16 of C16.16

CONDUIT AND CABLE DESCRIPTIONS

<p>1-3" CONDUIT PVC 1-14/7C FOR SIGNAL HEADS 21, 22 1-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT PVC 1-PREEMPTION CABLE 1-#6 AWG (EGC)</p> <p>1-3" CONDUIT PVC 1-14/7C FOR SIGNAL HEADS 21, 22 1-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT PVC 1-PREEMPTION CABLE 1-#6 AWG (EGC)</p> <p>1-3" CONDUIT PVC 1-14/7C FOR PED HEAD P41 1-14/3C FOR PED PUSH BUTTON PB41 1-#6 AWG (EGC)</p> <p>1-4" CONDUIT (BORED) HDPE 1-14/7C FOR SIGNAL HEADS 21, 22 1-14/7C FOR PED HEAD P41 1-14/3C FOR PED PUSH BUTTON PB41 1-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT (BORED) HDPE 1-PREEMPTION CABLE 1-#6 AWG (EGC)</p> <p>1-3" CONDUIT PVC 1-14/7C FOR PED HEAD P42 1-14/3C FOR PED PUSH BUTTON PB42 1-#6 AWG (EGC)</p>	<p>1-4" CONDUIT PVC 1-14/7C FOR SIGNAL HEADS 21, 22 2-14/7C FOR PED HEADS P41, P42 2-14/3C FOR PED PUSH BUTTONS PB41, PB42 1-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT PVC 1-PREEMPTION CABLE 1-#6 AWG (EGC)</p> <p>1-3" CONDUIT PVC 1-14/7C FOR SIGNAL HEADS 61, 62 1-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT PVC 1-PREEMPTION CABLE 1-#6 AWG (EGC)</p> <p>3-3" CONDUITS PVC 2-14/7C FOR SIGNAL HEADS 21, 22, 61, 62 2-14/7C FOR PED HEADS P41, P42 2-14/3C FOR PED PUSH BUTTONS PB41, PB42 3-#6 AWG (EGC)</p> <p>1-3" CONDUIT PVC 2-PREEMPTION CABLES 1-#6 AWG (EGC)</p> <p>1-2" CONDUIT METAL 4-#6 AWG FOR ELECTRICAL SERVICE 2-12/2C CABLES</p> <p>1-3" CONDUIT PVC 2-12/2C FOR LUMINAIRE 1-#6 AWG (EGC)</p>
--	--

EGC - ELECTRICAL GROUNDING CONDUCTOR
HDPE - HIGH DENSITY POLYETHYLENE CONDUIT

LEGEND: EXISTING CABLE TO BE REMOVED
EXISTING CABLE/CONDUIT TO REMAIN
PROPOSED CABLE/CONDUIT TO BE INSTALLED

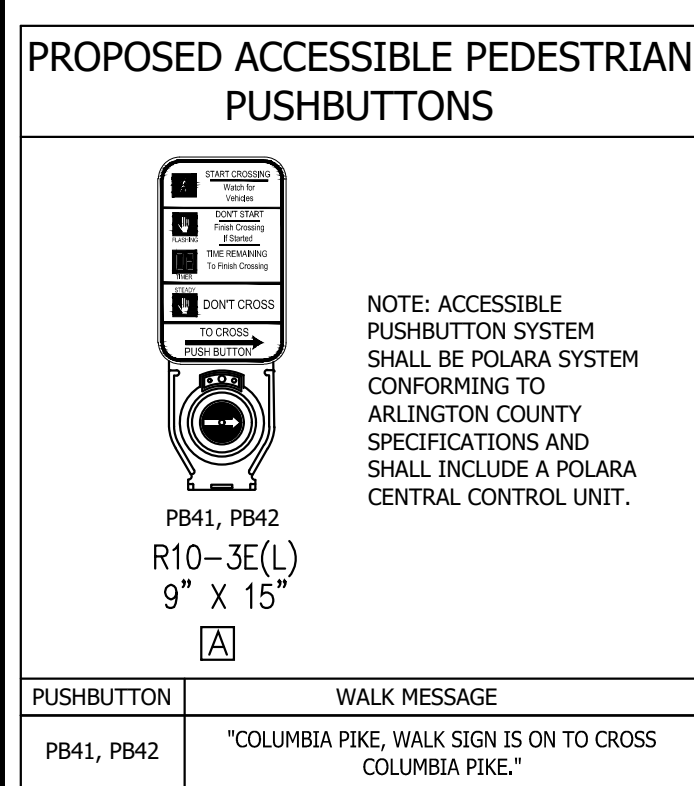


- ### CONSTRUCTION NOTES
- EXISTING CONTROLLER AND CABINET TO BE REPLACED WITH NEW CONTROLLER AND CABINET ON A NEW FOUNDATION. ALL OTHER EXISTING EQUIPMENT TO BE REMOVED INCLUDING UNUSED WIRING, CONDUIT, AND JUNCTION BOXES, UNLESS OTHERWISE SPECIFIED. EXISTING CONTROLLER AND CABINET SHALL BE RETURNED TO ARLINGTON COUNTY.
 - CONTRACTOR SHALL SEQUENCE INSTALLATION OF NEW MAST ARM SIGNAL POLES TO MINIMIZE DOWNTIME.
 - INSTALL SIGNAL CONTROLLER CABINET WITH UPS AND CONCRETE STOOP. UPS SHALL BE PLACED INSIDE THE CABINET ENCLOSURE. STOOP ON SOUTH SIDE OF CABINET SHALL BE INSTALLED FLUSH WITH SIDEWALK GRADE. CABINET SHALL BE ORIENTED TO PROVIDE TECHNICIAN VIEW OF SIGNAL DISPLAYS.
 - INSTALL UNDERGROUND ELECTRIC SERVICE WITH PEDESTAL METERPAN. SEE DRY UTILITY PLANS (SERIES C21) FOR ELECTRICAL SERVICE CONNECTION.
 - INSTALL ORNAMENTAL MAST ARM SIGNAL POLE, POWDER COATED BLACK, WITH TEAR DROP LUMINAIRE, VEHICULAR SIGNAL HEADS, AND POLE IDENTIFICATION STICKER.
 - INSTALL NON-ORNAMENTAL PEDESTAL POLE, POWDER COATED BLACK, WITH PEDESTRIAN SIGNAL HEAD, POLARA PEDESTRIAN EQUIPMENT, POLE IDENTIFICATION STICKER, AND SIGN.
 - SEE COMMUNICATION PLAN ON SHEET C17.2 FOR COMMUNICATION CONNECTION DETAILS.

INITIAL TIMING CHART

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		EB COLUMBIA PIKE		EXCLUSIVE PEDESTRIAN PHASE		WB COLUMBIA PIKE		
PHASE ON		X		X		X		
PHASE OFF	X		X		X		X	X
INTERVAL	PHASE TIMINGS							
MIN GR		5.0		5.0		5.0		
PASSAGE		0.0		2.0		0.0		
YELLOW		4.2		4.0*		4.2		
RED		1.0		1.0*		1.0		
MAX 1		60.0		35.0		60.0		
MAX 2		-		-		-		-
MIN GAP		-		-		-		-
TIME BEFORE REDUCTION TIME TO REDUCE		-		-		-		-
PED WALK		-		7.0		-		-
PED FLASH DON'T WALK		-		16.0		-		-
MODE		MAX RECALL		-		MAX RECALL		-

*THERE ARE NO VEHICULAR SIGNAL HEADS FOR PHASE 4. COMBINATION OF YELLOW AND RED TIME REPRESENTS BUFFER TIME BETWEEN FLASH DON'T WALK TIME AND GREEN FOR OPPOSING PHASE.



COLOR SEQUENCE CHART

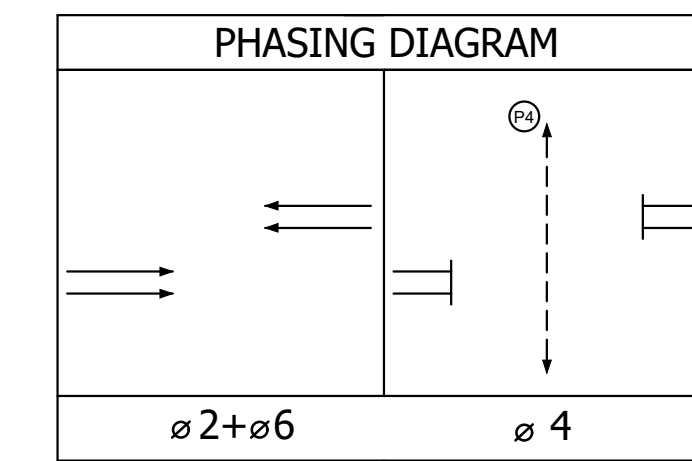
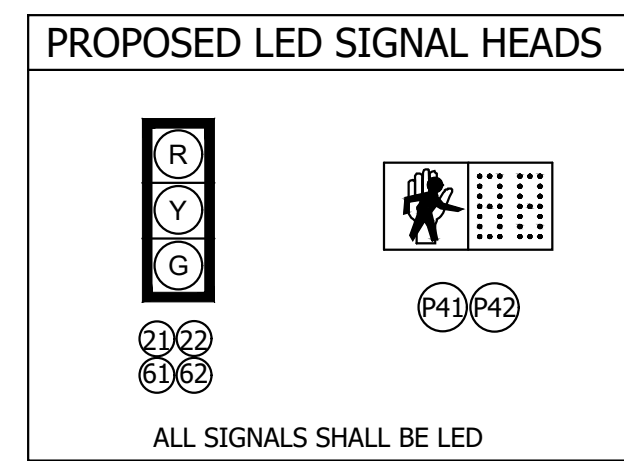
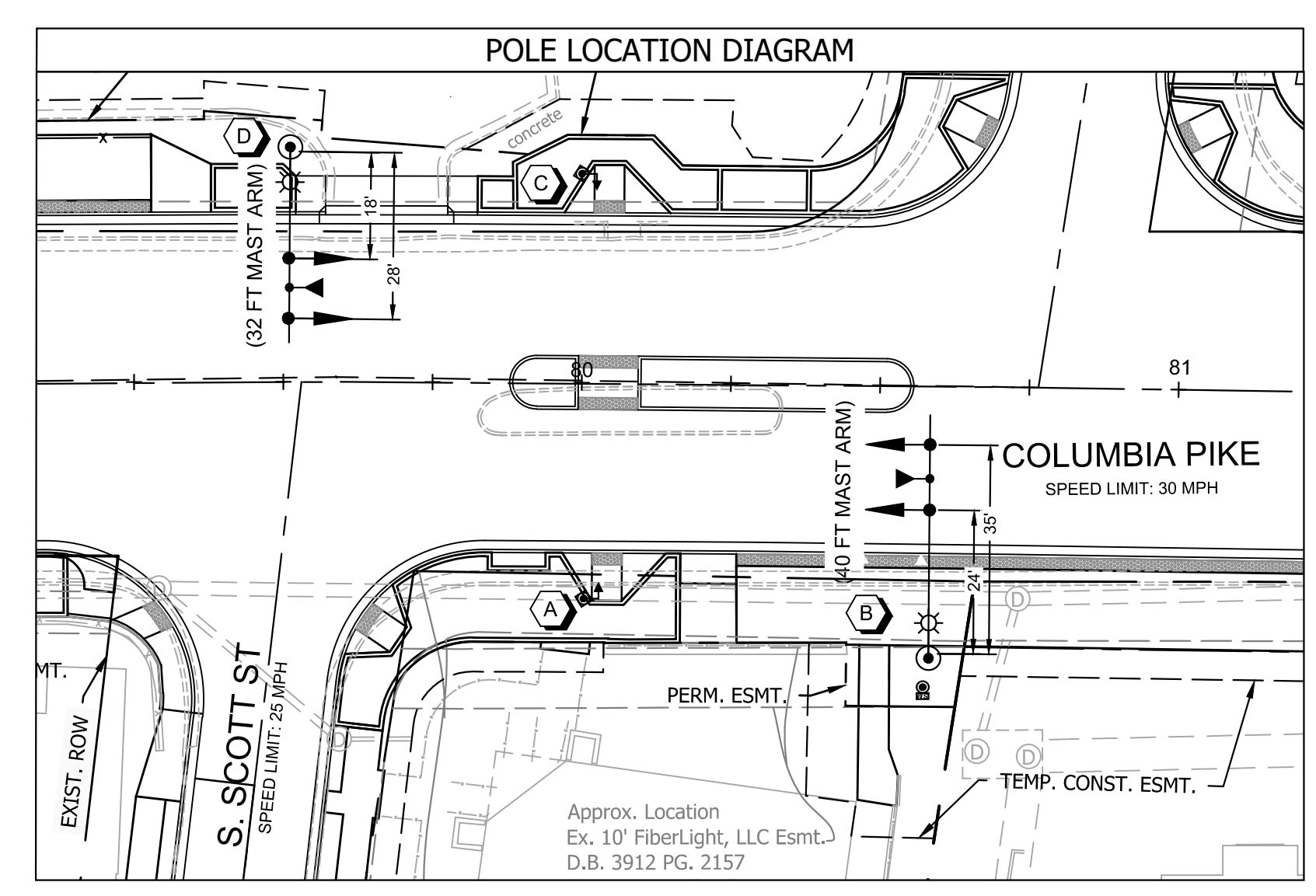
PHASE	2	4	6	2+6	FLASH
SIGNAL	R/W	R/W	R/W	R/W	
21, 22	G			G	Y
61, 62			G	G	Y
P41, P42	W*				DARK

NOTE: BLANK SPACES IN THIS CHART REPRESENT A "RED" SIGNAL INDICATION.
*WALK INDICATION IS DISPLAYED WHEN PEDESTRIAN CALL IS SERVICED; WALK INDICATION IS DISPLAYED UNTIL IT IS TIMED OUT. OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

EV PREEMPTION

FUNCTION	EVP-1
INTERVAL 1 - DWELL GREEN	120
INTERVAL 1 - DWELL YELLOW	0.0*
INTERVAL 1 - DWELL RED	0.0*
INTERVAL 1 - EXIT GREEN	1.0
INTERVAL 5 - YELLOW	0.0
INTERVAL 5 - RED	0.0
DELAY TIME	1.0
PED CLEAR BEFORE PRE	0.0
YELLOW CLEAR BEFORE PRE	0.0*
RED CLEAR BEFORE PRE	0.0*
DWELL MIN	7.0
ENABLE BACKUP PROTECTION	Y
PED CLEAR THROUGH YELLOW	Y
EXIT PHASE/TIME	IN STEP

*TIME DEFAULTS TO TIME USED FOR PHASE DURING NORMAL OPERATION



LEGEND

EXISTING	PROPOSED
RIGHT OF WAY	PERMANENT EASEMENT
EASEMENT	TEMPORARY CONSTRUCTION EASEMENT
TRAFFIC SIGNAL CABINET	TRAFFIC SIGNAL CABINET
EXTRA LARGE JUNCTION BOX	24"x36" JUNCTION BOX (61-04, TYPE-3)
LARGE JUNCTION BOX	LARGE JUNCTION BOX (61-02)
SMALL JUNCTION BOX	SMALL JUNCTION BOX (14040-01)
TRAFFIC SIGNAL HEAD	TRAFFIC SIGNAL HEAD
PEDESTRIAN SIGNAL HEAD	PEDESTRIAN SIGNAL HEAD
SIGNAL PHASING	SIGNAL PHASING
TRAFFIC SIGNAL LUMINAIRE	TRAFFIC SIGNAL LUMINAIRE
SIGNAL POLE AND MAST ARM	SIGNAL POLE AND MAST ARM
PEDESTAL POLE	PEDESTAL POLE
PEDESTRIAN PUSH BUTTON	PEDESTRIAN PUSH BUTTON
PREEMPTION DEVICE	PREEMPTION DEVICE
VIDEO DETECTION CAMERA	VIDEO DETECTION CAMERA
VIDEO DETECTION ZONE	VIDEO DETECTION ZONE
CLOSED CIRCUIT TELEVISION VIDEO SIGN	CLOSED CIRCUIT TELEVISION VIDEO SIGN
POWER SERVICE PEDESTAL CONDUIT	POWER SERVICE PEDESTAL CONDUIT
CONDUIT WITH PROPOSED CABLE	16 FT CARLYLE STREET LIGHT POLE

POLE SCHEDULE

No.	POLE IDENTIFICATION	STATION	OFFSET	STANDARD			LUM. LED (4)	POLE SIGNAL MOUNTING				STREET NAME SIGN		
				TYPE	SIG. M.A. ORIENT.	SIG. M.A.		LUM. M.A. ORIENT.	LUM. M.A. (TYPE)	VEHICLE & PED. HEADS	PED. PUSH BUTTONS		SIGNS	VIDEO DETECTOR PREEMPTION & CCTV
A	030-PP-01-NW	80+00.50	36.18' RT	PEDESTAL POLE 12'						P42	PB42	A		
B	030-MA-01-NW	80+55.87	45.55' RT	MAST ARM POLE 30'	180°	40'	180°	6' (STANDARD)	130W	61, 62	-	-	PE6	
C	030-PP-01-SE	79+99.87	35.02' LT	PEDESTAL POLE 12'						P41	PB41	A		
D	030-MA-01-SE	79+51.18	39.35' LT	MAST ARM POLE 30'	180°	32'	180°	6' (STANDARD)	130W	21, 22	-	-	PE2	

NOTE: ALL POLES LISTED ABOVE SHALL BE LABELED WITH A POLE IDENTIFICATION STICKER IN ACCORDANCE WITH THE APPROPRIATE POLE ID.

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

TRAFFIC SIGNAL PLAN - S. SCOTT STREET (TS#030)
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C

SCALE: HOR. 1" = 25' VERT. N/A SHEET: C17.1 of C17.6

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
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Arlington, VA 22201
Phone: 703.228.3629
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Kimley Horn and Associates, Inc.

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Phone: 703-874-1500
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Seal
EDWARD J. DELJO
Lic. No. 0402054356
09/29/2022
PROFESSIONAL ENGINEER

Approvals

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




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

Filename: 010073-C-TRAF-SCOTT.dwg
Path: 2:\na\2022\11000071\columbia_pike_multimodal_production\11-15-22\11000071.dwg
Plotted: September 29, 2022
Plotted by: Grant Jacob

GENERAL NOTES

1. CONTRACTOR SHALL SUBMIT SPLICE ENCLOSURES FOR COUNTY DTS ENGINEER APPROVAL.
2. FIBER RELOCATION, REPAIR, AND ADJUSTMENT MUST BE PERFORMED BY THE COUNTY'S FIBER CONTRACTOR. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH COUNTY DTS FIBER TEAM AT (703) 228-7726 AND COUNTY DES/TECO PRIOR TO ANY FIBER RELOCATION. CONTRACTOR SHALL NOTIFY COUNTY DTS ENGINEER TWO WEEKS PRIOR TO CUTTING OR DISCONNECTING ANY FIBER CABLE. NO CUTS SHALL BE MADE WITHOUT DTS APPROVAL. CONTRACTOR SHALL NOT PROCEED WITH FIBER CUTTING UNLESS COUNTY DTS ENGINEER IS ON-SITE.
3. CONTRACTOR SHALL RE-SPLICE ALL FIBERS TO LIKE COLORED FIBERS AND SHALL MATCH LIKE COLORED BUFFER TUBES WITH LIKE COLORED BUFFER TUBES.
4. 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.
5. 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:
 - 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.
6. 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 MINIMUM BEND RADIUS OF 14 INCHES.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIR AND COSTS ASSOCIATED WITH DAMAGED FIBER OPTIC CABLES OR SPLICE ENCLOSURES DUE TO CONSTRUCTION ACTIVITIES.
8. ALL CABLING AND SPLICE ENCLOSURES IN JUNCTION BOXES SHALL BE NEATLY ARRANGED.
9. IF EXISTING FACTORY-TERMINATED PATCH PANEL IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE AT NO COST TO THE COUNTY.

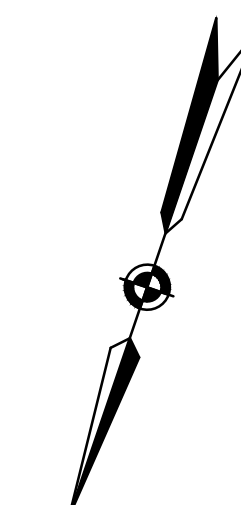
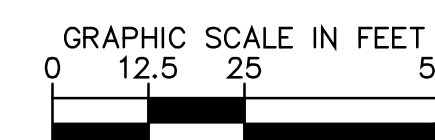
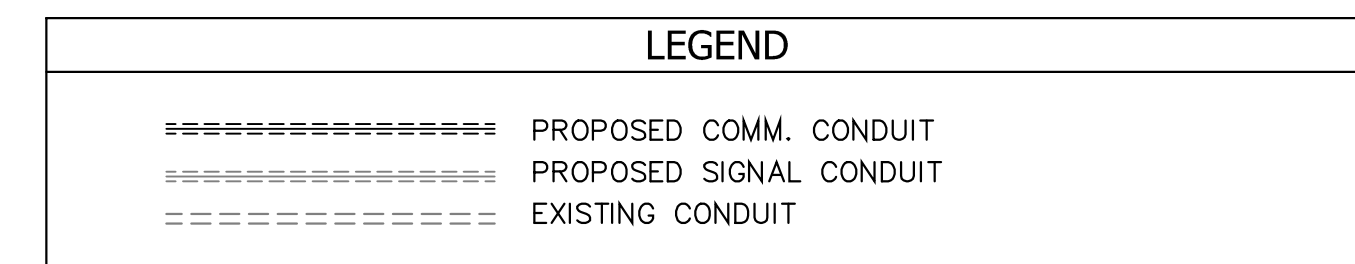
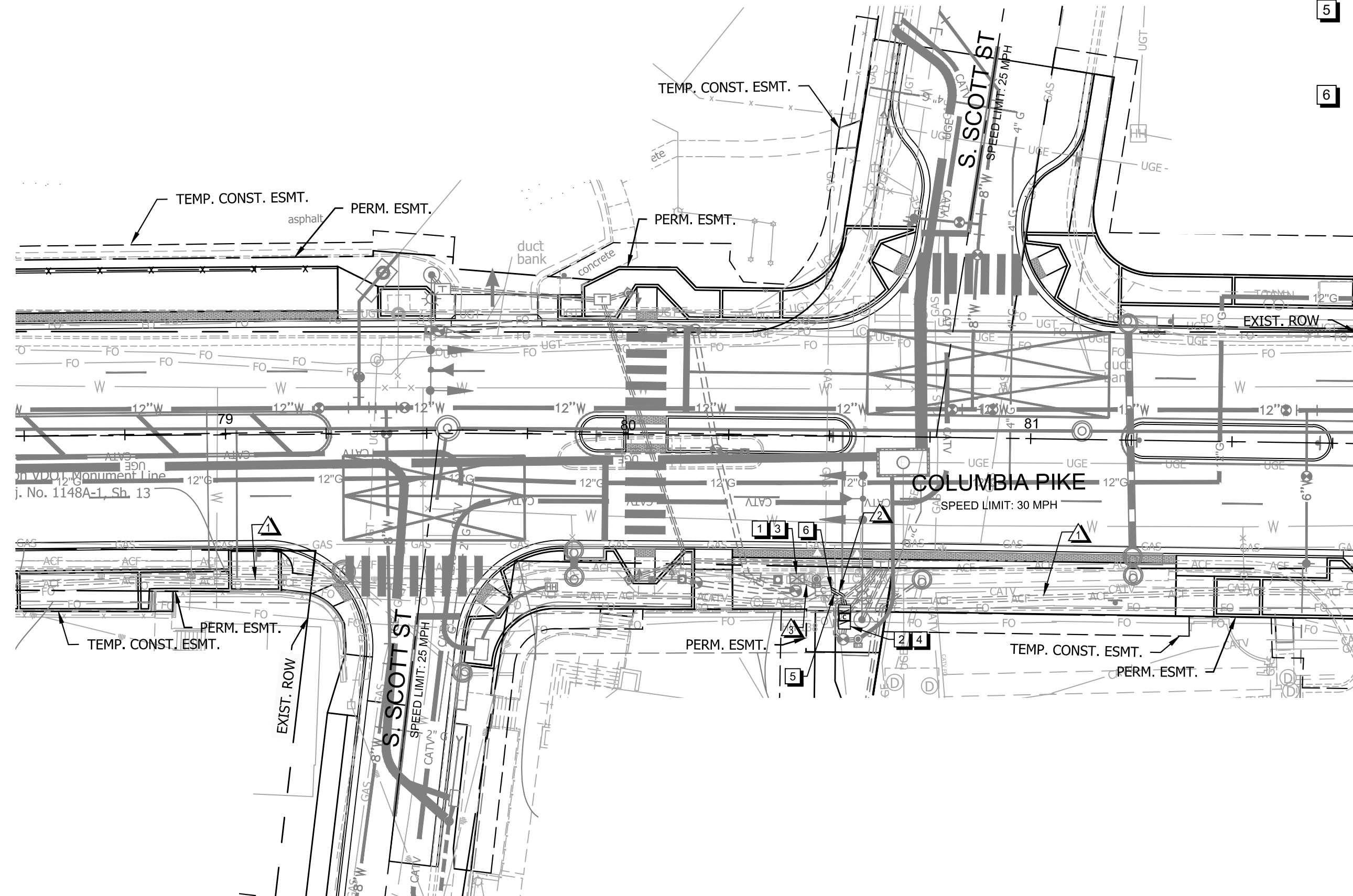
CONDUIT AND CABLE DESCRIPTIONS


-  4-2" CONDUIT (EXISTING)
- 2-144 FIBER CABLES (EXISTING)
-  **2-2" CONDUITS PVC**
- 1-12 FIBER CABLE (EXISTING, RELOCATED)
-  1-2" CONDUIT (EXISTING)
- 1-12 FIBER CABLE (EXISTING, TO BE RELOCATED)

LEGEND: *EXISTING CABLE TO BE REMOVED*
 EXISTING CABLE/CONDUIT TO REMAIN
PROPOSED CABLE/CONDUIT TO BE INSTALLED

CONSTRUCTION NOTES

1. EXISTING CONTROLLER LOCATION
2. PROPOSED CONTROLLER LOCATION
3. CONTRACTOR SHALL REMOVE ALL COMMUNICATION EQUIPMENT TO INCLUDE: 12 FIBER PATCH PANEL AND FIBER CABLE, ETHERNET SWITCH, AND JUMPER CABLES FROM EXISTING CONTROLLER CABINET AND RELOCATE TO PROPOSED CONTROLLER CABINET.
4. CONTRACTOR SHALL INSTALL 12 FIBER PATCH PANEL, ETHERNET SWITCH, AND JUMPER CABLES IN PROPOSED CONTROLLER CABINET.
5. INSTALL 12 FIBER CABLE FROM FIBER TERMINATION PATCH PANEL IN PROPOSED CONDUIT. CONTRACTOR TO VERIFY THAT EXISTING PRE-TERMINATED PATCH PANEL HAS ADEQUATE TAIL TO REACH FROM PROPOSED LOCATION AND MAINTAIN 25 FT WORKING COIL IN SPLICING HANDHOLE. IF THE LENGTH IS NOT SUFFICIENT, CONTRACTOR SHALL ORDER A NEW FIBER PATCH PANEL.
6. RE-ENTER EXISTING JUNCTION BOX WITH NEW CONDUIT.



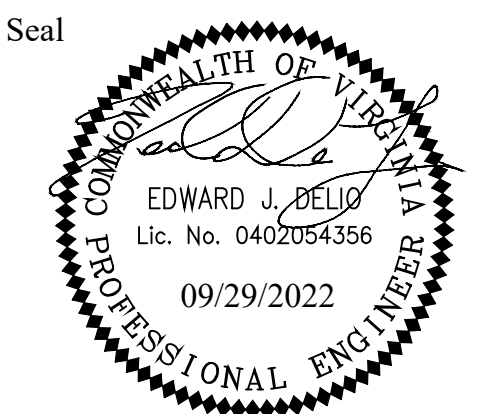


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ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

TRAFFIC SIGNAL PLAN - S. SCOTT STREET (TS#030)
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C

SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	C17.2 of C17.6
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General Notes:

A. GENERAL

- ALL WORK FOR TRAFFIC SIGNALS, TRAFFIC SIGNS, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE LATEST EDITION OF THE ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS, 2020 VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, 2016 VDOT ROAD AND BRIDGE STANDARDS, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PRODUCTION MANUAL, AND SPECIAL PROVISIONS IN EFFECT AT THE TIME OF ADVERTISEMENT.
- FIVE WORKING DAYS PRIOR TO COMMENCING SIGNAL INSTALLATION/MODIFICATION WORK AT ANY LOCATION IN ARLINGTON COUNTY, VIRGINIA, SIGNAL CONTRACTORS MUST NOTIFY THE COUNTY ENGINEER IN WRITING WITH THE NAME, DAYTIME PHONE NUMBER, AND EMERGENCY PHONE NUMBERS OF THE CONTRACTOR. THIS NOTIFICATION IS TO INCLUDE LOCATION, ROUTE NUMBERS, TYPE, AND DETAILS OF CONSTRUCTION AND SCHEDULE OF WORK.
- THE TRAFFIC SIGNAL CONSTRUCTION SHALL NOT BEGIN WITHOUT PRIOR NOTIFICATION AND APPROVAL FROM ARLINGTON COUNTY.
- THE COUNTY ENGINEER, PRIOR TO CONSTRUCTION, SHALL VERIFY POLE(S) AND CONTROLLER CABINET LOCATIONS.
- ALL CATALOG CUTS, POLE CALCULATIONS, FOUNDATION DESIGNS, SHOP DRAWINGS, ETC., SHALL BE SUBMITTED TO, AND APPROVED BY, ARLINGTON COUNTY PRIOR TO CONSTRUCTION.
- OPERATION OF THE SIGNALIZED INTERSECTION IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE TRAFFIC SIGNAL IS ACCEPTED BY ARLINGTON COUNTY.
- ANY NOTES NOT MENTIONED IN THE NOTES SECTION OF THIS SIGNAL PLAN WILL REVERT TO THE ARLINGTON COUNTY STANDARDS.
- CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL COMMUNICATION THROUGHOUT THE PROJECT.
- ALL NEW CONTROLLER CABINETS MUST BE FURNISHED WITH A BACKUP POWER BATTERY.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY." IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, SIDEWALK, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SIGNING, DELINEATION, PAVEMENT MARKINGS AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY TO PERFORM THE WORK IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL TEMPORARY DEVICES.
- THE CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO ARLINGTON COUNTY UPON JOB COMPLETION AND FINAL INSPECTION.
- EXISTING CONTROLLER AND CABINETS SPECIFIED TO BE REMOVED SHALL BE RETURNED TO ARLINGTON COUNTY.
- CCTV LOCATIONS AND QUANTITIES ARE FOR PLANNING PURPOSES ONLY. THE FINAL LOCATIONS SHALL BE FIELD LOCATED.
- CONTRACTOR SHALL SEQUENCE INSTALLATION OF NEW MAST ARM SIGNAL POLE TO MINIMIZE DOWNTIME. CONTRACTOR IS REQUIRED TO COORDINATE WITH POLICE TO OBTAIN TRAFFIC CONTROL ASSISTANCE DURING ANY SIGNAL OUTAGE.
- EXISTING OR PROPOSED SIGNAL CONDUIT MAY NEED TO BE OFFSET TO ACCOMMODATE PROPOSED STORM PIPE INSTALLATION OR OTHER PROPOSED UTILITY INSTALLATIONS. REFER TO CONDUIT RELOCATION DETAIL ON SHEET D2.1 FOR INSTANCES WHERE SIGNAL CONDUIT NEEDS TO BE OFFSET.

Signal Notes:

B. POLES AND FOUNDATIONS

- MAST ARM LENGTH IS TO BE AS SHOWN ON PLAN AND ALL MAST ARMS ARE TO BE FIELD DRILLED ONLY.
- MAST ARM POLES SHALL BE DESIGNED TO THE PROPER HEIGHT TO ACCOMMODATE A STREET LIGHT LUMINAIRE AND INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS.
- MAST ARM POLE FOUNDATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS AND SPECIFICATIONS. ALL POLES SHALL HAVE A 6-BOLT PATTERN.
- AT THE COUNTY'S REQUEST, THE CONTRACTOR SHALL DIG TEST PITS TO VERIFY THAT SIGNAL POLE FOUNDATIONS WILL NOT CONFLICT WITH UNDERGROUND UTILITIES AND THAT FOUNDATIONS WILL FIT WITHIN THE EXISTING RIGHT-OF-WAY.
- SIGNAL POLES AND MAST ARMS SHALL BE ORNAMENTAL. SIGNAL LUMINAIRES SHALL BE LED.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING POLE FOUNDATION DESIGNS FOR ANY MAST ARM POLES. THE CONTRACTOR SHALL SUBMIT REQUIRED STRUCTURAL DRAWINGS AND CALCULATIONS FOR REVIEW PRIOR TO STARTING FORM WORK FOR THE FOUNDATIONS.

C. CONTROLLER AND FOUNDATION

- NEW CONTROLLER CABINETS SHALL INCLUDE BATTERY BACKUP PER ARLINGTON COUNTY REQUIREMENTS.
- CONTROLLER SHALL BE INTELIGHT X-3 AND SHALL BE INSTALLED AND SET AS FOLLOWS:
2.1 TO REST IN PHASE 2 & 6 GREEN INTERVAL
2.2 TO START/RESTART IN PHASE 2 & 6 YELLOW CHANGE INTERVAL
- THE CONTROLLER CABINET AND FOUNDATION SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS 66-01, 66-02, AND 70-01.
- THE COUNTY WILL PROVIDE SIGNAL TIMINGS TO THE CONTRACTOR FOR THE CONTROLLER WHEN THE INTERSECTION IS TOTALLY PREPARED FOR OPERATION. THE CONTRACTOR SHALL NOTIFY THE COUNTY IN WRITING 10 DAYS IN ADVANCE OF REQUIRING FINAL TIMINGS.

D. TRAFFIC SIGNAL HEADS

- ALL NEW VEHICULAR SIGNAL SECTIONS SHALL BE 12 INCHES IN DIAMETER CAST ALUMINUM WITH LED DISPLAYS.
- PEDESTRIAN SIGNAL HEAD SECTIONS SHALL BE CAST ALUMINUM WITH LED DISPLAYS (COUNTDOWN).
- ALL SIGNAL HEADS SHALL BE YELLOW IN COLOR.
- ALL SIGNAL HEADS SHALL BE INSTALLED WITH RETROREFLECTIVE BACKPLATES PER VDOT STANDARDS AND SPECIFICATIONS.

E. DETECTORS

- ALL NEW PEDESTRIAN PUSH BUTTON STATIONS SHALL CONFORM TO ARLINGTON COUNTY'S SPECIFICATIONS FOR ACCESSIBLE SIGNAL DESIGN AND SHALL USE POLARA VIBRO-TACTILE/AUDIO PUSH BUTTON ASSEMBLIES UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL PROVIDE EXTENDER BRACKETS IF NEEDED TO MAKE PUSHBUTTONS ACCESSIBLE BY WHEELCHAIR. THE PUSHBUTTON ASSEMBLY SHALL CONTAIN A MOUNTING BRACKET TO ALLOW THE R10-3E SIGN TO BE MOUNTED DIRECTLY TO THE PUSHBUTTON.
- NEW OVERHEAD VIDEO DETECTION SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY REQUIREMENTS.
- EMERGENCY VEHICLE PRE-EMPTION (EVP) EQUIPMENT (GTT MODEL M711 OR M721), OR APPROVED SUBSTITUTE, SHALL BE INSTALLED COMPLETE WITH DISCRIMINATOR CARDS, WIRING, ETC. IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS.
- EVP TO BE MOUNTED ON VEHICLE HEAD MOUNTING BRACKET OR AS APPROVED BY THE ENGINEER IN THE FIELD. EVP SHALL INCLUDE CONFIRMATION LIGHTS.

F. CONDUIT, CONDUCTORS, AND ELECTRICAL

- ALL JUNCTION BOXES SHALL HAVE THE WORDS "ARLINGTON COUNTY TRANSPORTATION" CAST IN THE LID. ALL JUNCTION BOXES SHALL BE INSTALLED PER STANDARDS 61-02, 61-03, AND 61-04.
- METER PEDESTAL SHALL BE INSTALLED PER COUNTY STANDARDS. UNDERGROUND SERVICE SHALL BE OBTAINED FROM THE NEAREST UTILITY POLE OR SERVICE POINT. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL AND COORDINATING WITH POWER SERVICE COMPANY FOR CONNECTION.
- CONDUIT SYSTEM SHALL BE ADDED TO CONNECT EXISTING COMMUNICATION CABLE PLANT TO THE NEW CONTROLLER CABINET LOCATION AS DIRECTED BY THE COUNTY ENGINEER.
- ALL CONDUIT ENTERING INTO JUNCTION BOXES SHALL NOT EXTEND OVER 3" MAXIMUM NOR 2" MINIMUM INSIDE THE JUNCTION BOXES, AND SHALL BE FITTED WITH BELL ENDS OR BUSHING.
- ALL JUNCTION BOXES SHALL HAVE A GROUND ROD INSTALLED. ALL JUNCTION BOXES SHALL BE PROPERLY CONNECTED TO THE INTERSECTION GROUNDING SYSTEM. METAL LIDS SHALL BE BONDED TO THE GROUNDING SYSTEM.
- CONTRACTOR IS TO VERIFY DEPTHS OF UTILITIES AT PROPOSED CONDUIT CROSSINGS PRIOR TO EXCAVATING CONDUIT TRENCHES OR BORING.
- ALL CONDUITS BENEATH ROADWAYS SHALL BE DIRECTIONAL DRILLED UNLESS DIRECTED OTHERWISE BY THE COUNTY CONSTRUCTION MANAGER. WHERE DIRECTED ON THE PLANS OR BY THE CONSTRUCTION MANAGER, THE CONTRACTOR SHALL INSTALL SPARE CONDUITS WITH PULL TAPE AND TRACER WIRE FOR ROAD CROSSINGS.
- ALL EXISTING CONDUIT AND CABLES ARE BASED ON RECORD DRAWINGS OR WERE ESTIMATED. CONTRACTOR SHALL VERIFY CONDUIT FILL CAPACITY IN EXISTING CONDUITS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY IF CONDUIT CAPACITY IS NOT AVAILABLE IN EXISTING CONDUIT FOR NEW CABLES.
- NEW CCTV CAMERAS SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY REQUIREMENTS. CONTRACTOR SHALL CONFIRM MOUNTING LOCATION OF CCTV CAMERA WITH COUNTY PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY THE CONDUIT AND % FILL. IF THERE IS NOT ENOUGH CAPACITY IN CONDUIT, THEN THE CONTRACTOR SHALL INSTALL NEW CONDUIT.
- ALL PROPOSED CONDUIT SHALL HAVE #6 AWG (EGC) & TRACER WIRE FOR GROUNDING SYSTEM.
- REMOVE ALL EXISTING UNUSED RISERS, JUNCTION BOXES, AND CABLES.

G. SIGNS

- ALL MAST ARM SIGNS SHALL BE MOUNTED IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS. SIGNS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE.
- STREET NAME SIGNS SHALL HAVE A WHITE LEGEND ON GREEN BACKGROUND. CONTRACTOR SHALL SUBMIT SIGN DETAILS TO COUNTY TO REVIEW. THE DIMENSIONS PROVIDED ON PLANS ARE ESTIMATED.

H. DEMOLITION/SALVAGE

- ALL EXISTING SIGNAL EQUIPMENT IS TO BE REMOVED & RETURNED TO ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES LOCATED AT 4300 29TH ST S., ARLINGTON, VA 22206.
- ALL EXISTING SIGNAL POLE FOUNDATIONS SHALL BE DEMOLISHED IN ACCORDANCE WITH ARLINGTON COUNTY SPECIFICATIONS. ANY REQUIRED RESTORATION RESULTING FROM THE REMOVAL OF EXISTING SIGNAL INFRASTRUCTURE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY AND SHALL BE INCIDENTAL TO THE WORK.

I. COMMUNICATIONS

- EXISTING COUNTY FIBER JUNCTION BOXES AND CONDUITS CONTAIN LIVE FIBER OPTIC CABLES. THE CONTRACTOR SHALL NOT CUT OR DAMAGE THE COUNTY'S EXISTING FIBER CABLES.
- ALL FIBER OPTIC CABLE INSTALLATION, REMOVAL, SPlicing, AND TESTING SHALL BE PERFORMED BY THE COUNTY AT THE CONTRACTOR'S EXPENSE. CONTRACTOR MAY CONTRACT DIRECTLY WITH THE COUNTY'S FIBER CONTRACTORS. UPON REQUEST 703-228-7726, THE COUNTY WILL PROVIDE THE CONTACT INFORMATION FOR CURRENT QUALIFIED COUNTY FIBER CONTRACTORS.
- CONTACT ARLINGTON COUNTY DTS FOR FIBER OPTIC CABLE REMOVAL OR INSTALLATION AT LEAST 10 BUSINESS DAYS IN ADVANCE.
- CONTRACTOR SHALL FURNISH FIBER PATCH PANEL (TIITECH.COM PART # WM51BF12RLCCxxx, WHERE xxx = 3-DIGIT LENGTH IN FEET) FOR INSTALLATION BY THE COUNTY. FIBER PIGTAIL SHALL BE APPROPRIATE LENGTH TO ALLOW FOR 50 FEET OF SLACK IN EACH INTERMEDIATE JUNCTION BOX. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PATCH PANEL (INDICATING THE TAIL LENGTH) FOR COUNTY REVIEW PRIOR TO ORDERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF PROPOSED JUNCTION BOXES AND CONDUITS INCLUDING ALL APPURTENANCES SUCH AS GROUND RODS, TRACER WIRE, PULL TAPE, ETC.
- ALL NEW CONDUITS SHALL HAVE PULL TAPE INSTALLED BETWEEN JUNCTION BOXES AND TRACER WIRE INSTALLED WITHIN OR BESIDE AT LEAST ONE OF THE CONDUITS. TRACER WIRE SHALL BE CONNECTED TO THE GROUND RODS INSTALLED IN THE ADJACENT JUNCTION BOXES.
- DO NOT SPLICE TRACER WIRE.

J. INSPECTIONS

- THE CONTRACTOR SHALL CONTACT THE COUNTY CONSTRUCTION MANAGER FOR INSPECTIONS THROUGHOUT CONSTRUCTION AS REQUIRED BY THE CONSTRUCTION MANAGER.
- THE COUNTY SHALL VERIFY POLE LOCATIONS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY MR. FRED VERDI AT 703-228-3402 TO SCHEDULE INSPECTION PRIOR TO EXCAVATION, AND AGAIN PRIOR TO POURING CONCRETE. STAKEOUT IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS DIRECTED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT THE COUNTY CONSTRUCTION MANAGER WITHIN 7 BUSINESS DAYS OF SIGNAL ACTIVATION. ALL POWER AND COMMUNICATIONS SHALL BE IN OPERATION AT THE TIME OF ACTIVATION UNLESS APPROVED BY THE COUNTY CONSTRUCTION MANAGER.



ARLINGTON VIRGINIA

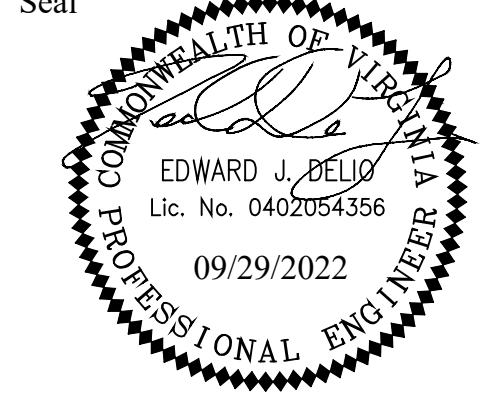
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Seal



Approvals _____ Date _____

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Miss Utility Transmittal #:

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Path: C:\Users\jacob.gibson\Documents\Projects\010073-C-TRAF-SCOTT.dwg
Plotted: September 29, 2022
Plotted by: Grant Jacob

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

TRAFFIC SIGNAL GENERAL NOTES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT C

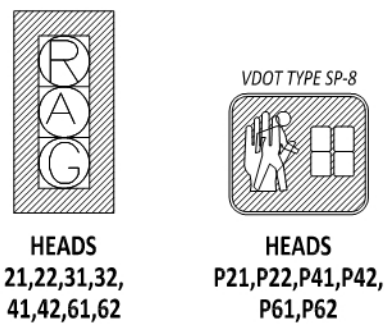
SCALE: HOR. N/A VERT. N/A SHEET: C17.3 of C17.6

ARLINGTON VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

Reid D. Gray
LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

11/15/2022
APPROVAL DATE

PROPOSED SIGNALS



PROPOSED SIGNS



S-3 D3-V1 STREET NAME SIGN 78"x18"

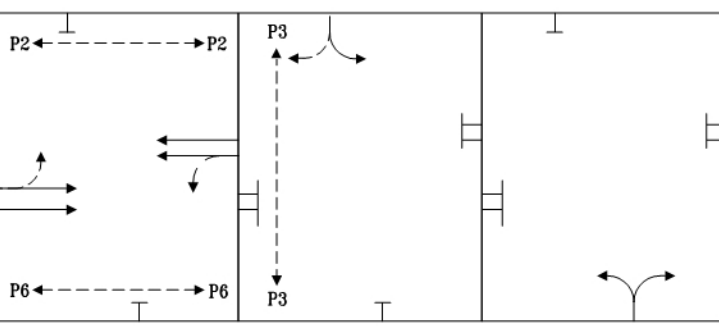


S-4 D3-V1 STREET NAME SIGN 60"x18"

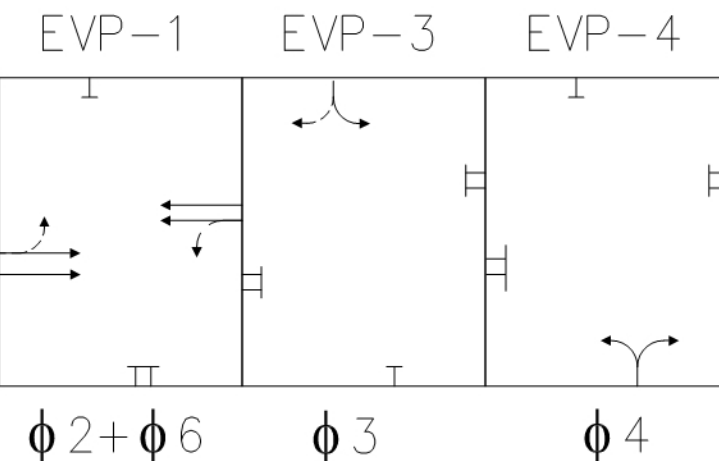


S-5 R10-11 36"x48"

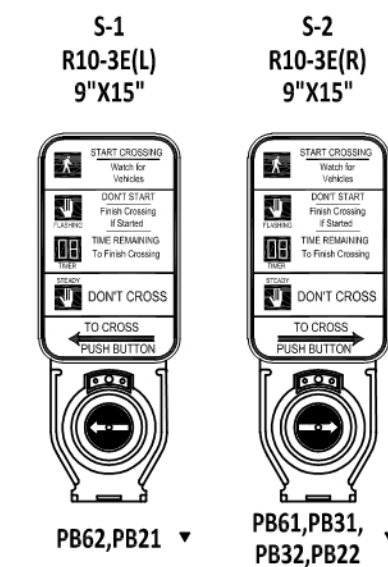
PROPOSED PHASING DIAGRAM



PREEMPTION PHASING DIAGRAM



ACCESSIBLE PEDESTRIAN PUSHBUTTON

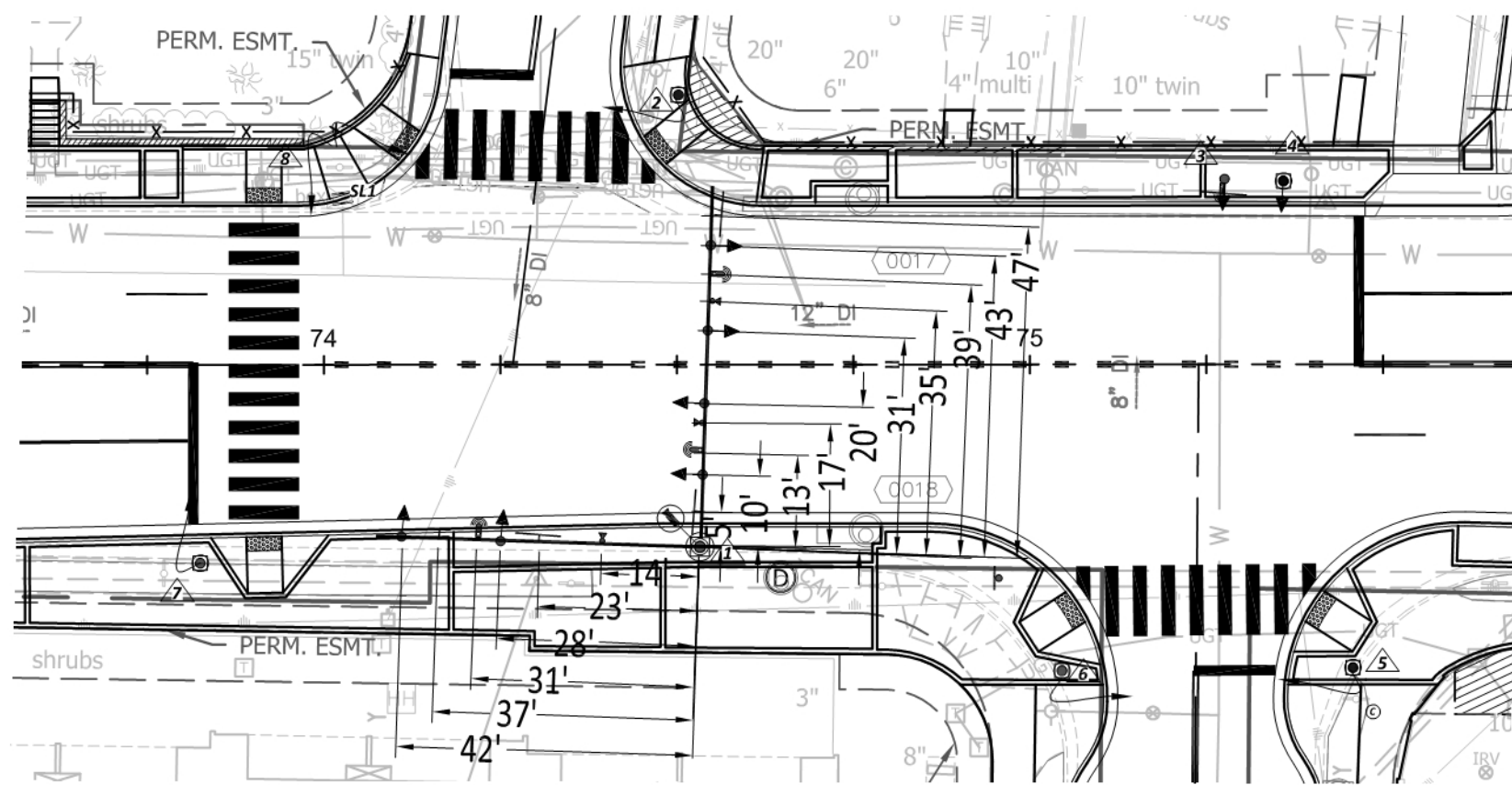


PUSHBUTTON	WALK MESSAGE
PB41, PB42	*COLUMBIA PIKE. WALK SIGN IS ON TO CROSS COLUMBIA PIKE.*
PB21, PB22 PB61, PB62	*ROLFE STREET. WALK SIGN IS ON TO CROSS ROLFE STREET.*

* ACCESSIBLE PUSHBUTTON SYSTEM SHALL BE POLARA SYSTEM CONFORMING TO ARLINGTON COUNTY SPECIFICATIONS AND SHALL INCLUDE A POLARA CENTRAL CONTROL UNIT.

POLE EQUIPMENT DETAIL

(SCALE: 1"=25')



COLOR SEQUENCE CHART

PHASE	2	3	4	6	2+6	FLASH
SIGNAL	R/W	R/W	R/W	R/W	R/W	A
21,22	G	R	R	R	G	A
31,32	R	G	R	R	R	A
41,42	R	R	G	R	R	A
61,62	R	R	R	G	G	A
P21,P22	WALK			WALK	BLANK	
P41,P42			WALK		BLANK	
P61,P62			WALK	WALK	BLANK	

NOTE: BLANK SPACES REPRESENT A RED DISPLAY. WALK INDICATION DISPLAYED AFTER PEDESTRIAN CALL IS SERVICED; OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

INITIAL TIMING CHART

PHASE	2	3	4	6
MOVEMENT	EB	NB	SB	WB
PHASE ON	X	X	X	X
PHASE OFF				
PHASE TIMINGS				
MIN GR	5.0	5.0	5.0	5.0
PASSAGE	0.0	0.0	0.0	0.0
AMBER	3.9	3.0	3.0	3.9
RED	2.2	4.8	4.8	2.2
MAX 1	60.0	40.0	40.0	60.0
MAX 2	0.0	0.0	0.0	0.0
MIN GAP	0.0	0.0	0.0	0.0
TIME BEFORE RED	0.0	0.0	0.0	0.0
TIME TO REDUCE	0.0	0.0	0.0	0.0
PED WALK	7.0	-	7.0	7.0
PED CLEARANCE	11.0	-	15.0	11.0
MODE	MAX RETAIL	MAX RETAIL	MAX RETAIL	MAX RETAIL
LOCK	LOCK	NON-LOCK	NON-LOCK	LOCK

EV PREEMPTION

FUNCTION	EV-1	EV-3	EV-4
INTERVAL 1 - D'WELL GREEN	120	120	120
INTERVAL 1 - D'WELL YELLOW	0.0*	0.0*	0.0*
INTERVAL 1 - D'WELL RED	0.0*	0.0*	0.0*
INTERVAL 1 - EXIT GREEN	1.0	1.0	1.0
INTERVAL 5 - YELLOW	0.0	0.0	0.0
INTERVAL 5 - RED	0.0	0.0	0.0
DELAY TIME	1.0	1.0	1.0
PED CLEAR BEFORE PRE	6.5	10.0	2.0
YELLOW CLEAR BEFORE PRE	0.0*	0.0*	0.0*
RED CLEAR BEFORE PRE	0.0*	0.0*	0.0*
DWELL MIN	7.5	9.0	9.0
ENABLE BACKUP PROTECTION	Y	Y	Y
PED CLEAR THROUGH YELLOW	Y	Y	Y
EXIT PHASE/TIME		IN STEP	2 + 6

*TIME DEFAULTS TO TIME USED FOR PHASE DURING NORMAL OPERATION

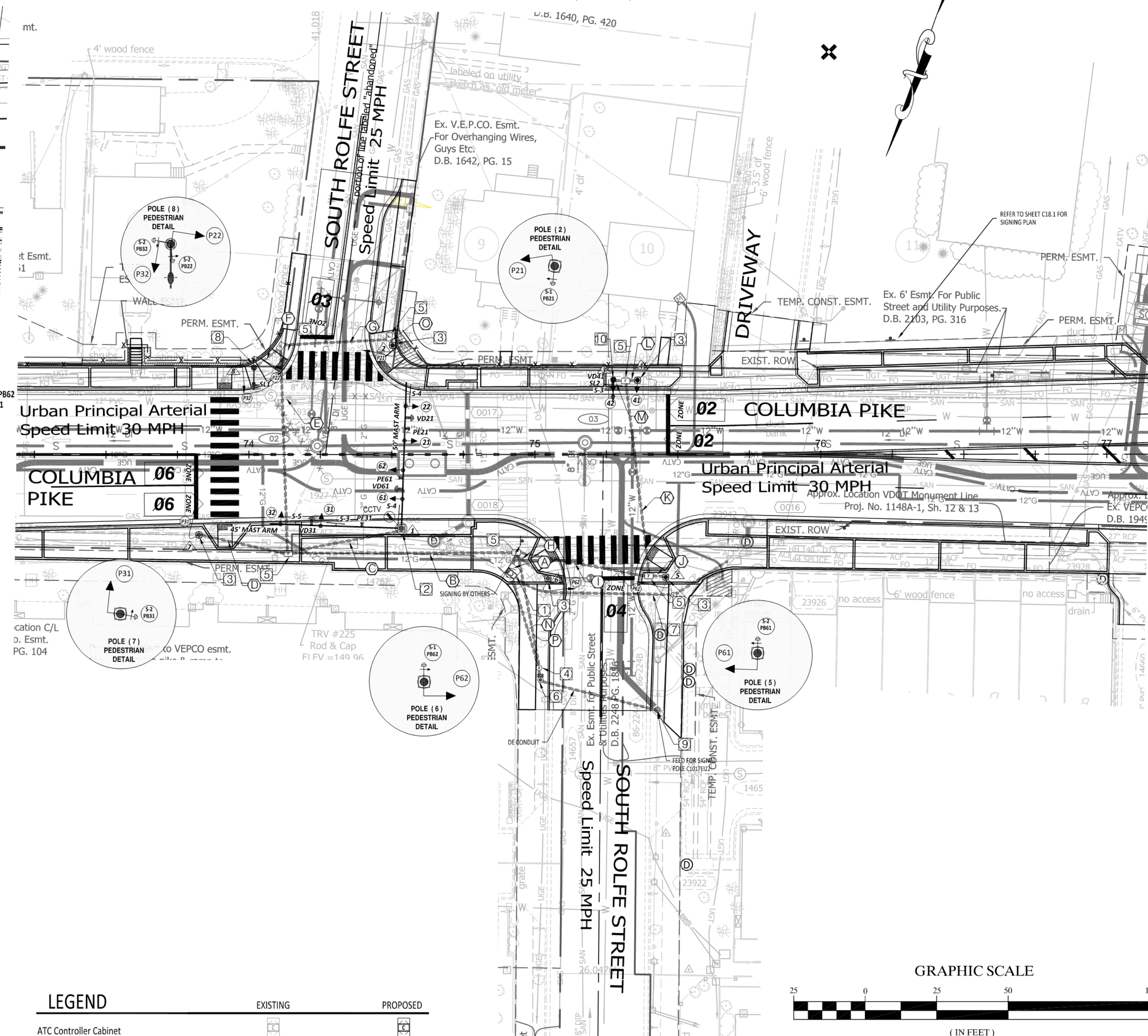
PROPOSED CONDUIT & CABLE

- A 4-3" CONDUIT (TRENCHED)
5-14/7c VEHICLE SIGNAL HEADS 21,22,31,32,41,42,61,62
6-14/7c PEDESTRIAN SIGNAL HEAD 21,22,31,32,61,62
6-14/3c PEDESTRIAN PUSH BUTTON PB21,PB22,PB31,PB32,PB61,PB62
4-RG-59 COAXIAL CABLE VIDEO DETECTION VD21,VD31,VD41,VD61
3-14/5c CABLE OPTICOM GTT EPP PE21,PE31,PE61
1-14/5c CCTV CABLE
1-6/4c CABLE
- B 3-3" CONDUIT (TRENCHED)
3-14/7c VEHICLE SIGNAL HEADS 21,22,31,32,61,62
4-14/7c PEDESTRIAN SIGNAL HEADS 31,32,21,22
4-14/3c PEDESTRIAN PUSH BUTTON PB31,PB32,PB21,PB22
3-RG-59 COAXIAL CABLE VIDEO DETECTION VD21,VD31,VD61
3-14/5c CABLE OPTICOM GTT EPP PE21,PE31,PE61
1-14/5c CCTV CABLE
1-12/2c CABLE FOR LUMINAIRE S11
- C 2-3" CONDUIT (TRENCHED)
3-14/7c VEHICLE SIGNAL HEADS 21,22,31,32,61,62
3-RG-59 COAXIAL CABLE VIDEO DETECTION VD21,VD31,VD61
3-14/5c CABLE OPTICOM GTT EPP PE21,PE31,PE61
1-14/5c CCTV CABLE
- D 1-3" CONDUIT (TRENCHED)
1-14/7c PEDESTRIAN SIGNAL HEAD 31
1-14/3c PEDESTRIAN PUSH BUTTON PB31
- E 2-4" CONDUIT (BORED)
3-14/7c PEDESTRIAN SIGNAL HEADS 32,21,22
3-14/3c PEDESTRIAN PUSH BUTTON PB32,PB21,PB22
1-12/2c CABLE FOR LUMINAIRE S11
- F 1-3" CONDUIT (TRENCHED)
1-14/7c PEDESTRIAN SIGNAL HEADS 32,22
2-14/3c PEDESTRIAN PUSH BUTTON PB32,PB22
1-12/2c CABLE FOR LUMINAIRE S11
- G 2-4" CONDUIT (BORED)
1-14/7c PEDESTRIAN SIGNAL HEADS 61
1-14/3c PEDESTRIAN PUSH BUTTON PB61
- H 1-3" CONDUIT (TRENCHED)
1-14/7c PEDESTRIAN SIGNAL HEADS 62
1-14/3c PEDESTRIAN PUSH BUTTON PB62
- I 2-4" CONDUIT (BORED)
1-14/7c PEDESTRIAN SIGNAL HEADS 62
2-14/7c VEHICLE SIGNAL HEADS 41,42
1-14/3c PEDESTRIAN PUSH BUTTON PB62
1-12/2c CABLE FOR LUMINAIRE S11
1-RG-59 COAXIAL CABLE VIDEO DETECTION VD41
- J 1-3" CONDUIT (TRENCHED)
1-14/7c PEDESTRIAN SIGNAL HEADS 61
1-14/3c PEDESTRIAN PUSH BUTTON PB61
- K 2-4" CONDUIT (BORED)
2-14/7c VEHICLE SIGNAL HEADS 41,42
1-12/2c CABLE FOR LUMINAIRE S11
1-RG-59 COAXIAL CABLE VIDEO DETECTION VD41
- L 1-3" CONDUIT (TRENCHED)
1-14/7c VEHICLE SIGNAL HEADS 42
1-12/2c CABLE FOR LUMINAIRE S11
1-RG-59 COAXIAL CABLE VIDEO DETECTION VD41
- M 1-3" CONDUIT (TRENCHED)
1-14/7c VEHICLE SIGNAL HEADS 41
1-14/3c PEDESTRIAN PUSH BUTTON PB61
- N 1-2" CONDUIT (TRENCHED)
1-6/4c CABLE
- O 2-4" CONDUIT (TRENCHED)
1-14/7c PEDESTRIAN SIGNAL HEADS 61
1-14/3c PEDESTRIAN PUSH BUTTON PB61
- P 1-2" CONDUIT (TRENCHED)
2-12/2c CABLE FOR LUMINAIRE S11, S12

NOTE: RG EGC SHALL BE PROVIDED FOR EACH RUN

TRAFFIC SIGNAL PLAN DETAIL

(SCALE: 1"=25')



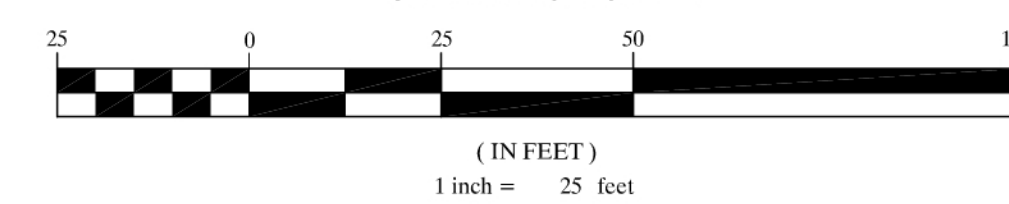
LEGEND

- ATC Controller Cabinet
- ATC Compact Controller Cabinet
- NEMA Type-P Controller Cabinet & UPS
- Signal Junction Box (61-02)
- Signal Junction Box (61-04) & Collar in Grass
- Comm. Junction Box
- Service Junction Box
- Mast Arm Pole & Foundation
- Pedestrian Pedestal Pole & Foundation
- Carlyle Lighting Pole & Foundation
- Dual Carlyle Light Pole & Foundation
- Cobra Pole & Foundation
- Service Meter
- Battery Backup (UPS)
- Vehicle Signal Head (LED)
- Pedestrian Push Button
- FLIR Video Detection
- Emergency Vehicle Preemption
- CCTV Vehicle Camera
- Overhead Light (LED)
- Conduit Run

DEMOLITION & CONSTRUCTION NOTES

- 1 INSTALL TRAFFIC SIGNAL CABINET AND FOUNDATION WITH 12" CABINET BASE RISER, UPS AND ASSOCIATED EQUIPMENT.
- 2 INSTALL ORNAMENTAL TRAFFIC SIGNAL MAST ARM POLE & FOUNDATION WITH POLE IDENTIFICATION STICKER, LUMINAIRE, SIGNALS, SIGNS, AND EQUIPMENT AS SHOWN.
- 3 INSTALL 12" PEDESTRIAN POLE AND FOUNDATION WITH POLE IDENTIFICATION STICKER, PEDESTRIAN SIGN, SIGNAL HEAD AND PUSHBUTTON
- 4 INSTALL ARLINGTON STANDARD JUNCTION BOX PER STD 61-02
- 5 INSTALL ARLINGTON STANDARD JUNCTION BOX PER STD 61-04. CONCRETE COLLAR REQUIRED FOR SOFTER GROUND (GRASS, DIRT, ETC.)
- 6 INSTALL SERVICE METER WITH DISCONNECT BOX. CONTRACTOR TO COORDINATE WITH DOMINION ENERGY TO DETERMINE SOURCE OF ELECTRICAL SERVICE.
- 7 REFER TO COMMUNICATIONS PLAN (SHEET C17.6) FOR MORE DETAILS.
- 8 INSTALL 16" COBRA POLE AND FOUNDATION WITH POLE IDENTIFICATION STICKER, PEDESTRIAN SIGN, SIGNAL HEAD AND PUSHBUTTON
- 9 STUB OUT CONDUIT FOR POWER CONNECTION.
- 10 INSTALL 16" COBRA POLE AND FOUNDATION WITH POLE IDENTIFICATION STICKER, SIGNAL, AND EQUIPMENT AS SHOWN.

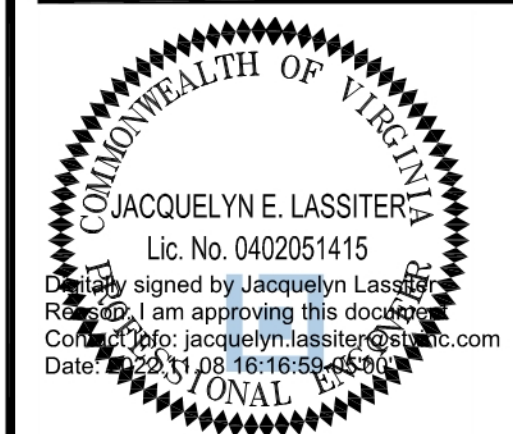
GRAPHIC SCALE



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Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



2701 Prosperity Ave., Suite 305
Falls Church, Virginia 22041
Phone: 571-833-2220



Approvals Date

Design Team Engineer Supervisor

Construction Management Supervisor

Water, Sewer, Streets Bureau Chief

Transportation Director

Project Manager

Revisions Date

Designed: JTM
Drawn: JTM
Checked: JEL
Miss Utility Transmittal #:

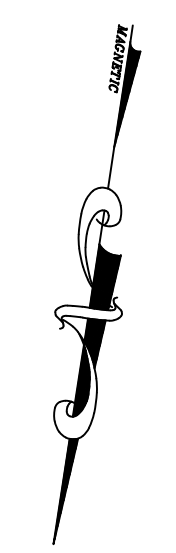
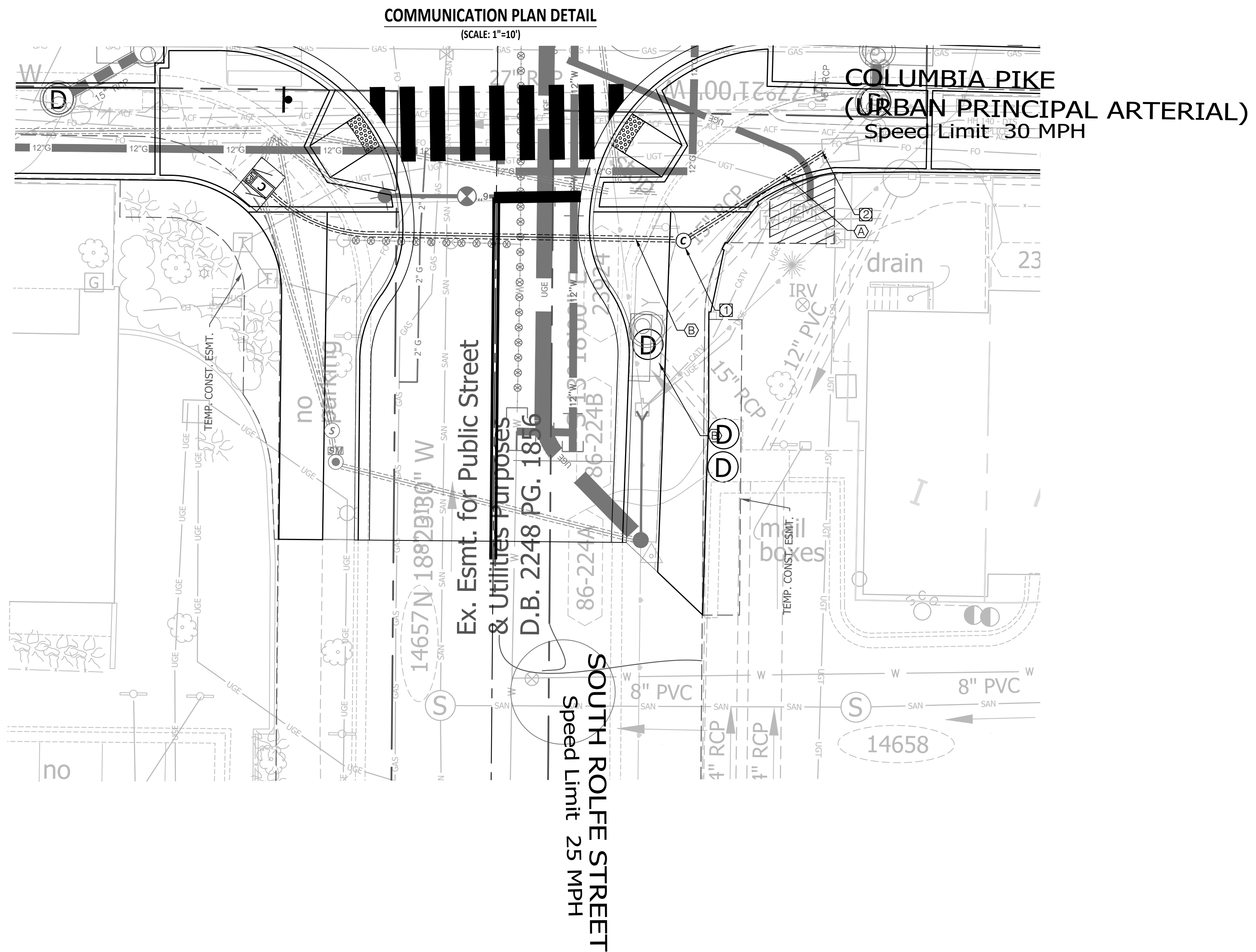
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Plotted: November 02, 2022
Plotted by: marquiji

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

TRAFFIC SIGNAL MODIFICATION PLAN
COLUMBIA PIKE AT SOUTH ROLFE STREET
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS

SCALE: HOR. 1" = 25' VERT. N/A SHEET: C17.5 OF C17.6

No.	POLE IDENTIFICATION	TYPE (POLE HEIGHT)	STANDARD			LUM. LED (2)	POLE SIGNAL MOUNTING				STREET NAME SIGN	STATION; OFFSET
			SIG. M.A. ORIENT.	SIG. M.A.	LUM. M.A. ORIENT.		LUM. M.A.	VEHICLE & PEDESTRIAN HEADS	PED. PUSH BUTTONS	SIGNS		
1	357-MA-01-NE	DUAL ARM MAST ARM POLE (22')	STD. (180°)	50'	-	-	21,22,61,62	-	-	VD61,PE61,CCTV,VD21,PE21	(2) S-4	74+51 ; 25.6 RT
2	357-PP-01-SW	PEDESTAL POLE (12')	-	-	-	-	P21	PB21	S-1	VD41	S-3	74+50 ; 38.2 LT
3	357-CB-01-SW	COBRA POLE (30')	-	-	STD. (180°)	6'	69W	42	-	-	S-3	75+27 ; 26.2 LT
4	357-PP-02-SW	PEDESTAL POLE (12')	-	-	-	-	41	-	-	-	-	75+36 ; 26.2 LT
5	357-PP-01-NW	PEDESTAL POLE (12')	-	-	-	-	P61	PB61	S-2	-	-	75+46 ; 42.9 RT
6	357-PP-01-NE	PEDESTAL POLE (12')	-	-	-	-	P62	PB62	S-1	-	-	75+5 ; 43.2 RT
7	357-PP-02-NE	PEDESTAL POLE (12')	-	-	-	-	P31	PB31	S-2	-	-	73+83 ; 28.1 RT
8	357-CB-01-SE	COBRA POLE (30')	-	-	STD. (180°)	6'	69W	P32,P22	PB32,PB22	(2) S-2	-	74+2 ; 30.8 LT



CONDUIT & CABLE RUNS

(A) 2-2" CONDUIT (EXISTING)
1-24-STRAND FIBER OPTIC CABLE

(B) 1-2" CONDUIT (TRENCHED)
1-12-STRAND FIBER OPTIC CABLE

NOTE: #6 EGC SHALL BE PROVIDED FOR EACH RUN

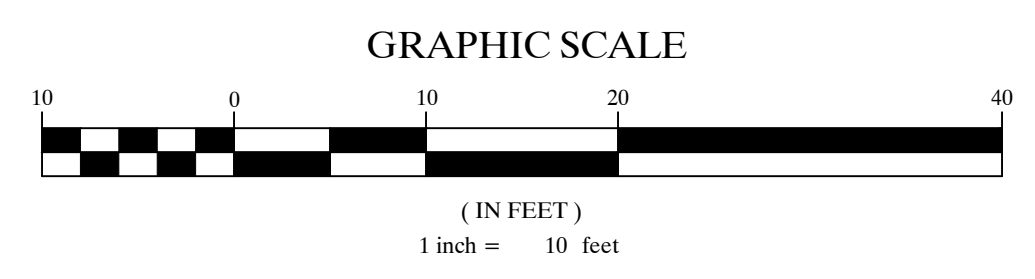
DEMOLITION & CONSTRUCTION NOTES

1 INSTALL COMMUNICATIONS JUNCTION BOX PER ARLINGTON COUNTY STD 61-03.

2 TIE PROPOSED CONDUIT INTO EXISTING FO JUNCTION BOX PER STD 61-04.

LEGEND

	EXISTING	PROPOSED
ATC Controller Cabinet	[Symbol]	[Symbol]
ATC Compact Controller Cabinet	[Symbol]	[Symbol]
NEMA Type-P Controller Cabinet & UPS	[Symbol]	[Symbol]
Signal Junction Box (61-02)	[Symbol]	[Symbol]
Signal Junction Box (61-04)	[Symbol]	[Symbol]
Signal Junction Box (61-04) & Collar in Grass	[Symbol]	[Symbol]
Comm. Junction Box	[Symbol]	[Symbol]
Service Junction Box	[Symbol]	[Symbol]
Mast Arm Pole & Foundation	[Symbol]	[Symbol]
Pedestrian Pedestal Pole & Foundation	[Symbol]	[Symbol]
Carlyle Lighting Pole & Foundation	[Symbol]	[Symbol]
Dual Carlyle Light Pole & Foundation	[Symbol]	[Symbol]
Cobra Pole & Foundation	[Symbol]	[Symbol]
Service Meter	[Symbol]	[Symbol]
Battery Backup (UPS)	[Symbol]	[Symbol]
Vehicle Signal Head (LED)	[Symbol]	[Symbol]
Pedestrian Push Button	[Symbol]	[Symbol]
FLIR Video Detection	[Symbol]	[Symbol]
Emergency Vehicle Preemption	[Symbol]	[Symbol]
CCTV Vehicle Camera	[Symbol]	[Symbol]
Overhead Light (LED)	[Symbol]	[Symbol]
Conduit Run	[Symbol]	[Symbol]



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DEPARTMENT OF ENVIRONMENTAL SERVICES
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Fax: 703.228.3606

STV 100 Years
2701 Prosperity Ave., Suite 305
Fairfax, Virginia 22031
Phone: 571-433-2200

Seal
100% PLANS
NOT FOR CONSTRUCTION

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

Revisions	Date

Designed: JTM
Drawn: JTM
Checked: JEL
Miss Utility Transmittal #:

Filename: TSD_Columbia Pike and Rolfe.dwg
Path: S:\projects\482121-482121-000\90_CAD Models and Plotted: September 22, 2022
Plotted by: marquijt

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

COMMUNICATION PLAN
COLUMBIA PIKE AT SOUTH ROLFE STREET
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS

SCALE: HOR. 1" = 10' VERT. N/A SHEET: C17.6 OF C17.6

ARLINGTON VIRGINIA
Luis Araya
LUIZ ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

DEPARTMENT OF ENVIRONMENTAL SERVICES
11/15/2022
APPROVAL DATE