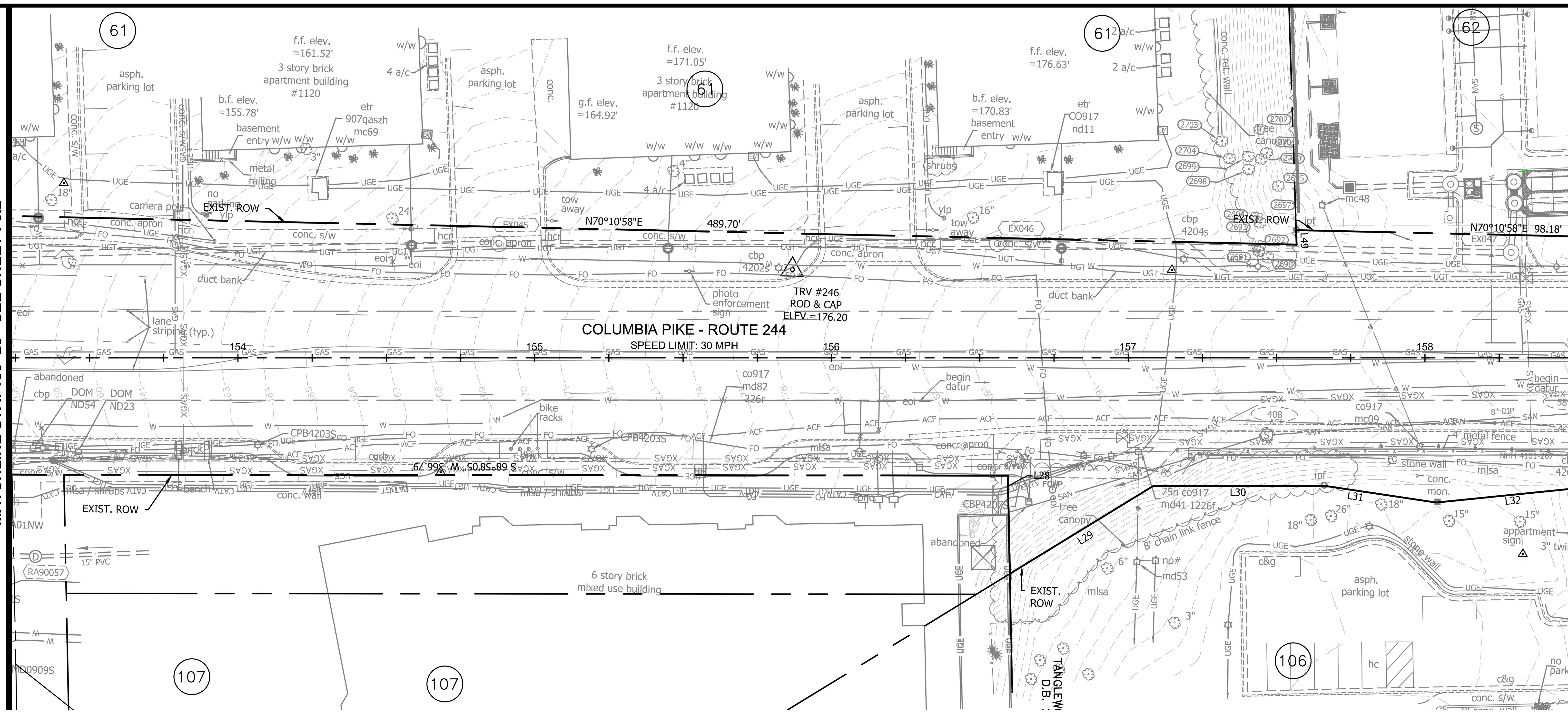
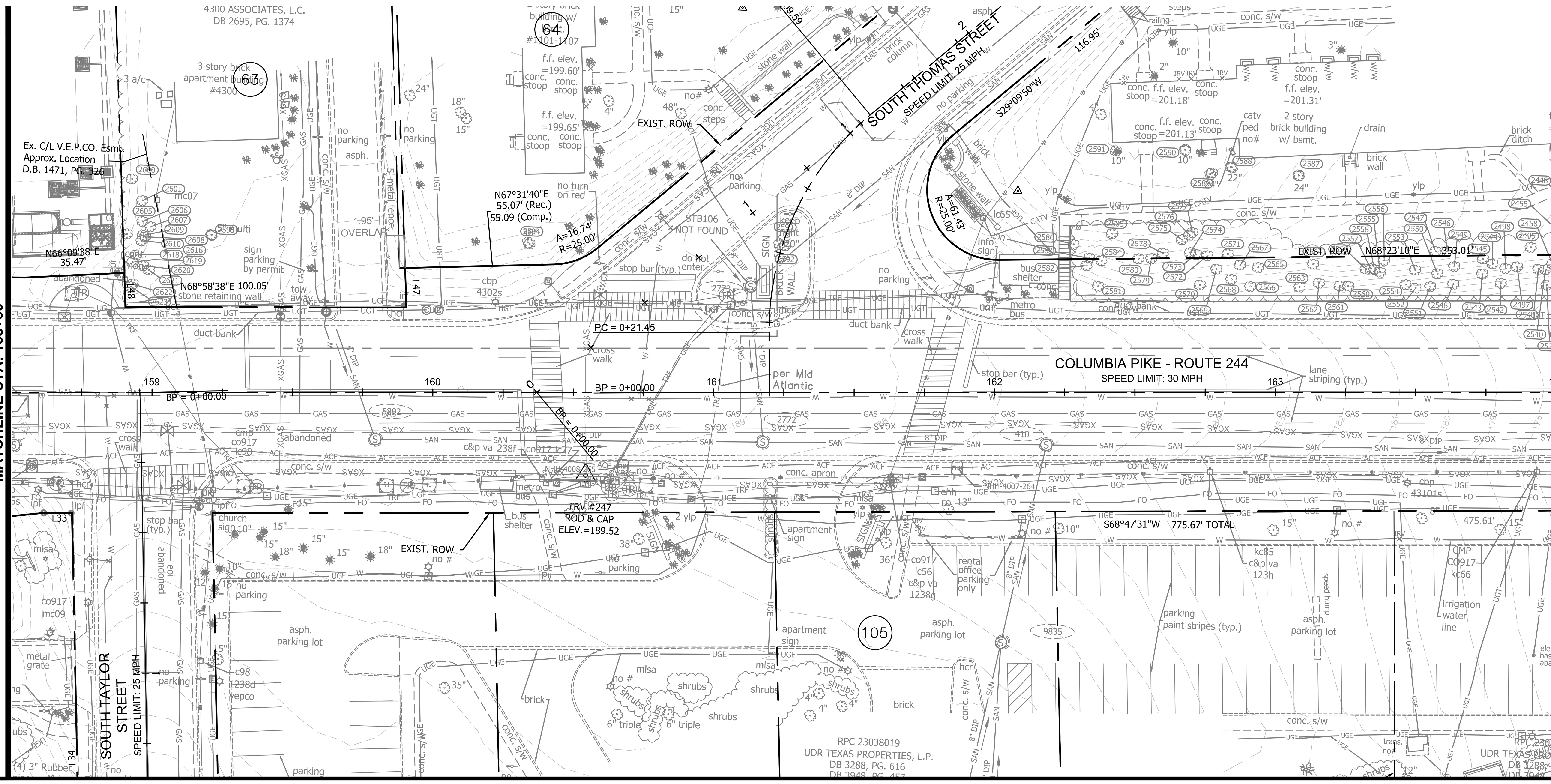
MATCHLINE STA: 153+25 - SEE SHEET F5.2



MATCHLINE STA: 158+50

MATCHLINE STA: 158+50



MATCHLINE STA: 164+00 - SEE SHEET F5.4

GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

Symbols

Exist.		Prop.	Exist.		Prop.
1001	Storm Str. #	ST1		Coniferous Tree	
	Catch Basin			Deciduous Tree	
	Sanitary Manhole			Bush/Hedge/Shrub	
2001	Sanitary Str. #	SA1		Traffic Mast Arm Pole	
	Fire Hydrant			Traffic Pedestrian Pole	
	Watermain Reducer			Traffic Control Box	
	Water - Valve			Traffic Electrical Box	
	Blowoff Valve			Traffic Junction Box	
	Water - Cross			Traffic Service Meter	
	Water - Tee			Construction Notes	1
	Water - Typical Bend			Benchmark	
	Water Meter			Monument (GPS)	
	Water Cap			Monument	
	Water - Manhole Cover			Iron Rod Found	
	Siamese Connection			Iron Pipe Found	
	CableTV Pedestal			Rebar Rod Found	
	Electrical Box			P.K. Nail Found	
	Telephone Pedestal			Traverse	
	Cobrahead Light			North Arrow	
	Carlyle Light		C-2 C-2R	Curb Transition	
	Ground Light			Resource Protection Area (RPA)	
	Light Pole		80	Parcel No. of Real Property (for Columbia Pike Multimodal Street Improvements Project only)	
	Utility Pole			Approximate Limits of Existing Reinforced Concrete Pavement	
	Guy Wire			Arlington County Fiber	
	Utility Cover		FHH	Arlington County Fiber Handhole	
	Gas Valve			Fiber Optic Handhole Cover	
	Gas Line Marker		XGAS	Abandoned Gas	
	Test Hole			Unknown Underground Utility*	
	Bollard				
	Mailbox				
	Parking Meter				
	Sign				
	Dry Utility Vault				
	Telephone Box				

* NOTE: UNKNOWN UTILITY LINE MARKED BY "UNK" IN THE PLANS WAS FOUND BY MAUL DURING ADDITIONAL SURVEY EFFORT REQUESTED BY THE COUNTY AND DATED APRIL 3-6, 2020. CONTRACTOR TO FIELD VERIFY LOCATION AND TYPE OF UTILITY AND DETERMINE THE STATUS OF THE UTILITY (ACTIVE OR ABANDONED) PRIOR TO CONSTRUCTION.

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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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	

Revisions	Date

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

Filename: 010073-F-EXC401.dwg
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

EXISTING CONDITIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 153+25 TO STA. 164+00

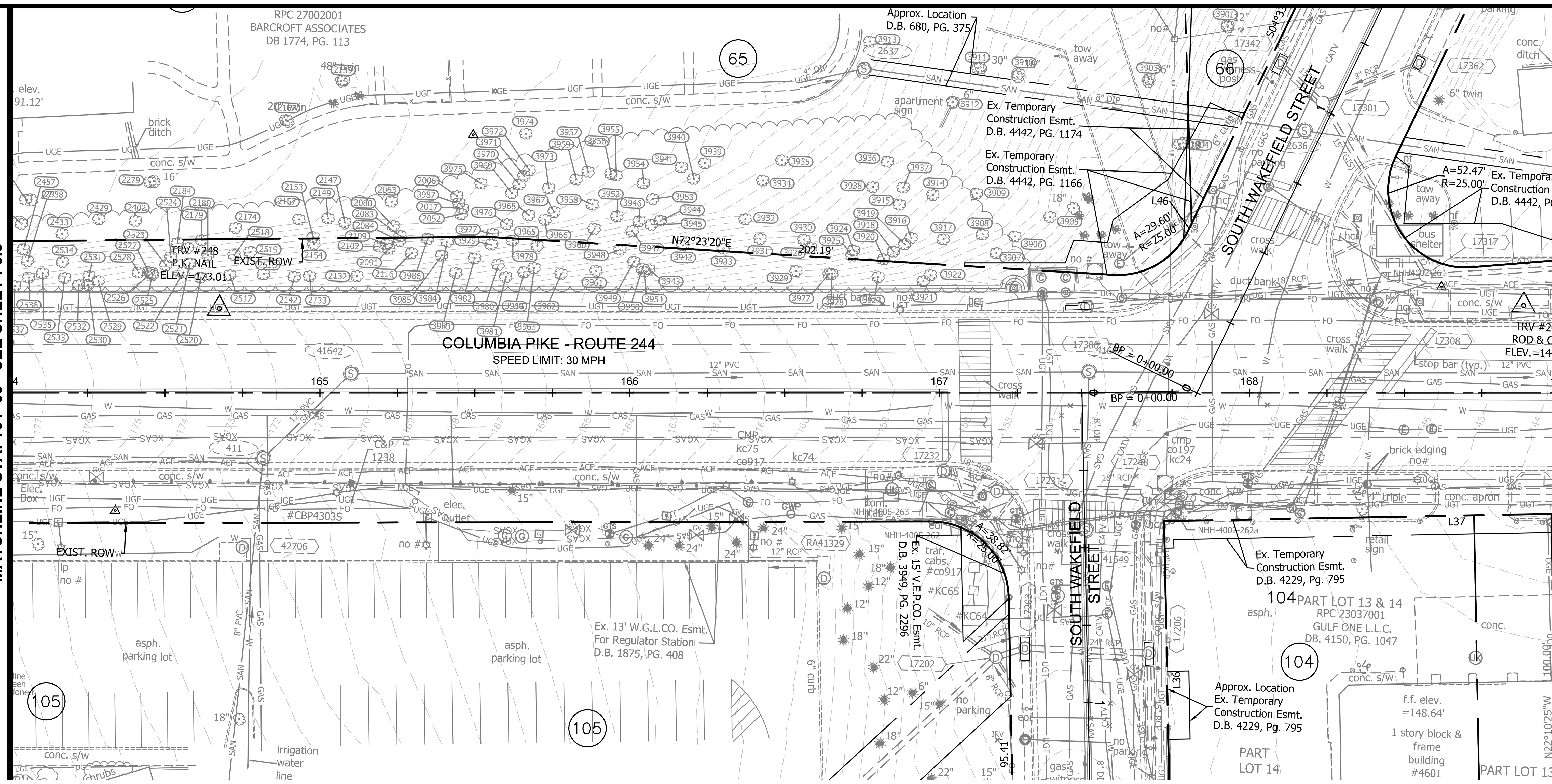
SCALE: HOR. 1" = 25' VERT. N/A | SHEET: F5.3 of F5.4

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

MATCHLINE STA: 164+00 - SEE SHEET F5.3



GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

Symbols

Exist.	Symbol	Prop.	Exist.	Symbol	Prop.
1001	Storm Str. #	ST1		Coniferous Tree	
	Catch Basin			Deciduous Tree	
	Sanitary Manhole			Bush/Hedge/Shrub	
2001	Sanitary Str. #	SA1		Traffic Mast Arm Pole	
	Fire Hydrant			Traffic Pedestrian Pole	
	Watermain Reducer			Traffic Control Box	
	Water - Valve			Traffic Electrical Box	
	Blowoff Valve			Traffic Junction Box	
	Water - Cross			Traffic Service Meter	S
	Water - Tee			Construction Notes	1
	Water - Typical Bend			Benchmark	
	Water Meter			Monument (GPS)	
	Water Cap			Monument	
	Water - Manhole Cover			Iron Rod Found	
	Siamese Connection			Iron Pipe Found	
	CableTV Pedestal			Rebar Rod Found	
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	Cobrahead Light			North Arrow	
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	Guy Wire			Arlington County Fiber	
	Utility Cover			Arlington County Fiber Handhole	
	Gas Valve			Fiber Optic Handhole Cover	
	Gas Line Marker		XGAS	Abandoned Gas	
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	Bollard				
	Mailbox				
	Parking Meter				
	Sign				
	Dry Utility Vault				
	Telephone Box				

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VIRGINIA

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Kimley»Horn

Kimley-Horn and Associates, Inc.
© 2021 KIMLEY-HORN AND ASSOCIATES, INC.
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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	

Revisions	Date

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

Filename: 010073-F-EXC401.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal Production\Task 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

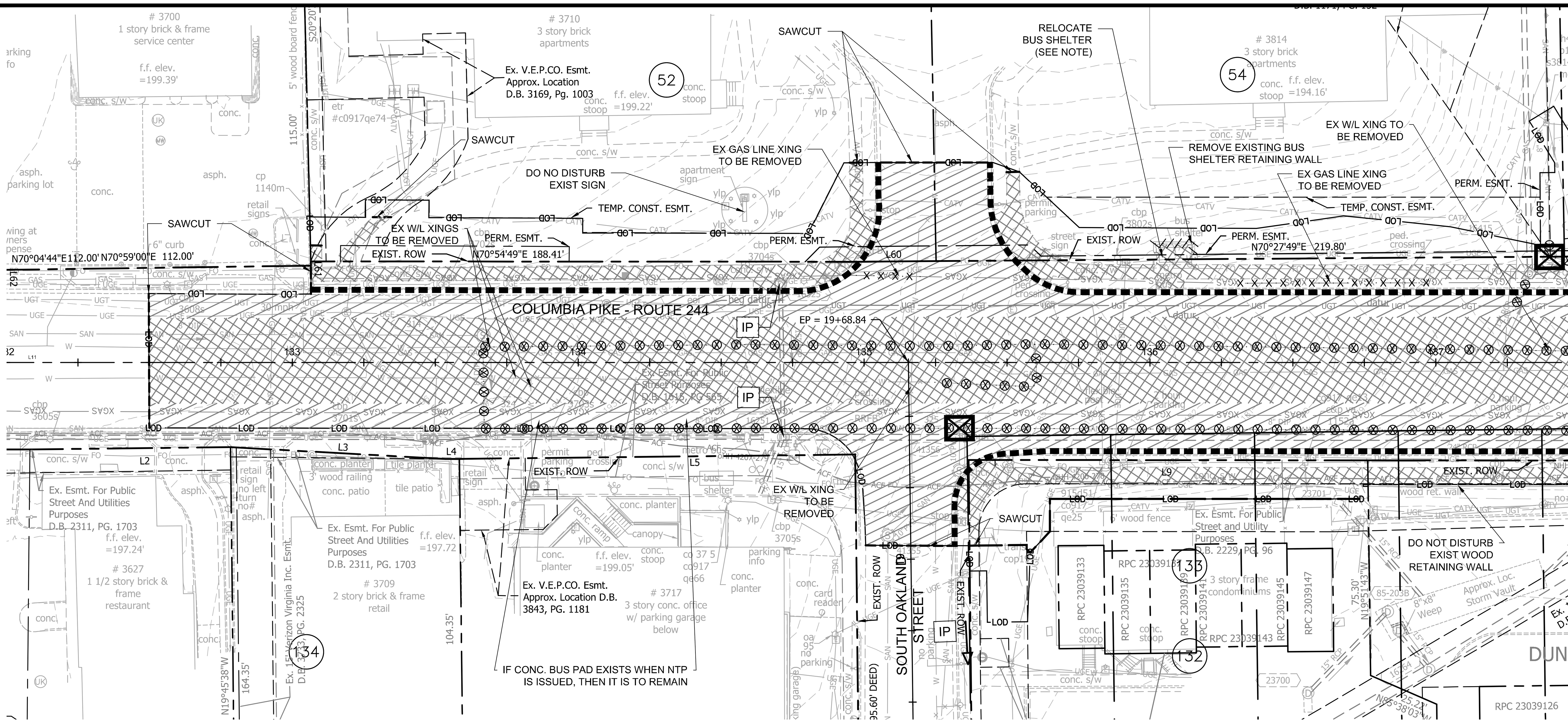
EXISTING CONDITIONS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 164+00 TO STA. 169+00

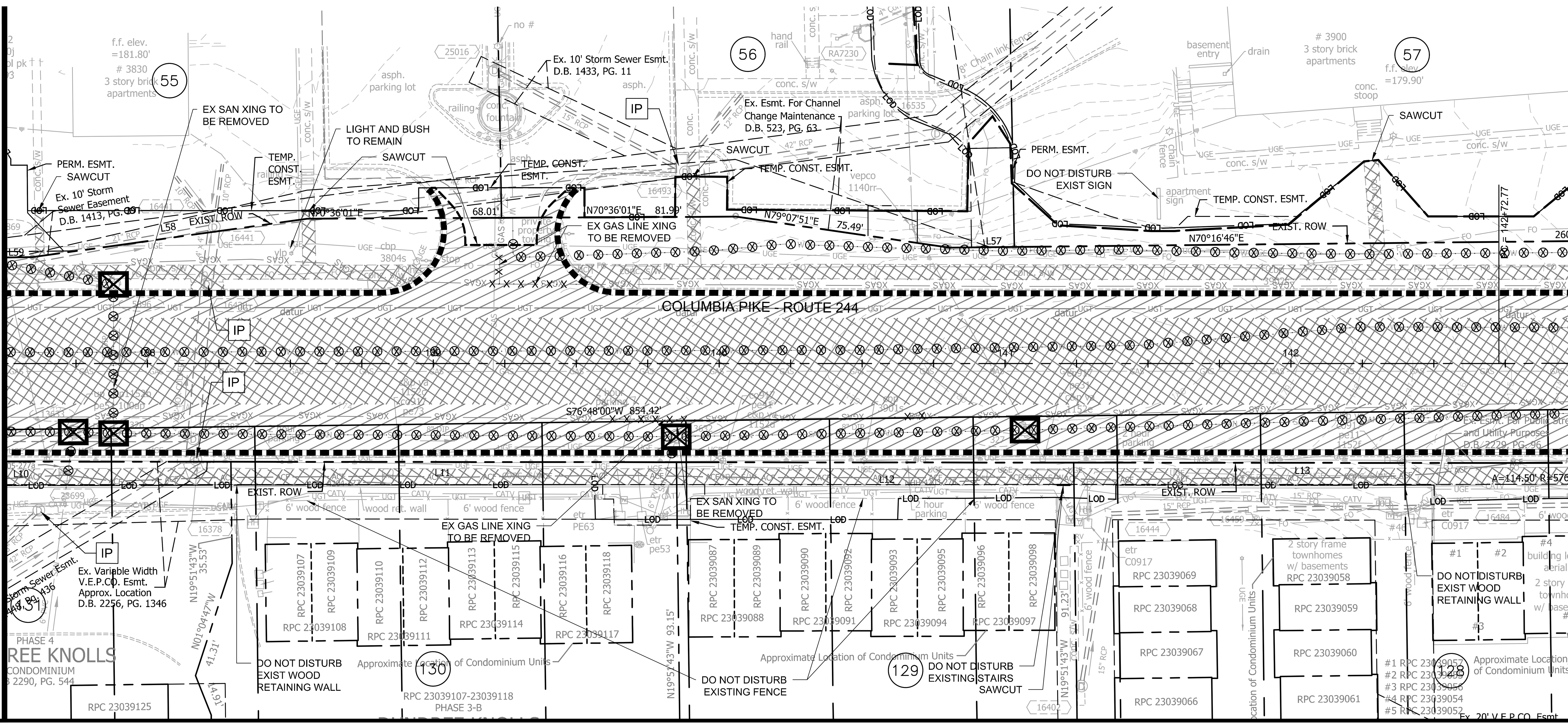
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F5.4 of F5.4

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE





GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

LEGEND

- REMOVE BITUMINOUS SURFACE
- REMOVE CONCRETE SURFACE
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE UTILITY LINE
- FILL & ABANDON UTILITY LINE (GAS BY WGL)
- REMOVE FENCE OR WALL
- IP — STORM SEWER STRUCTURE INLET PROTECTION TYPE A OR B
- INLET PROTECTION OFF OF VIEW
- REMOVE STRUCTURE
- EROSION CONTROL FENCE (SILT FENCE)
- LOD — LIMITS OF DISTURBANCE
- 80 — PROPERTY IDENTIFIER

NOTES:

1. REMOVE TO REPLACE FENCE WITH NEW MATERIAL MATCHING THE ORIGINAL QUALITY OF THE FENCE UNLESS OTHERWISE SPECIFIED.
2. RELOCATE BUS SHELTER WITH MOT AS NEEDED WITH FINAL MOVE TO BE TO ARLINGTON COUNTY PROPERTY YARD FOR SALVAGE OR AS MARKED ON MOT PLAN. TEMPORARY SLAB REQUIRED FOR TEMPORARY LOCATIONS PER MOT PLAN
3. SEE TREE PROTECTION PLAN FOR TREE REMOVAL, TREE PROTECTION AND ROOT PRUNING DETAILS
4. EROSION AND SEDIMENT PROTECTION MEASURES SHOULD BE INSTALLED ONLY WHEN NEEDED FOR THE CONSTRUCTION ZONE. IF A PROTECTION MEASURE IS NOT IMPACTED BY THE CONSTRUCTION THEN IT SHOULD BE REMOVED.
5. SEE LIGHTING PLAN FOR DEMOLITION OF STREET LIGHTS.
6. SEE TRAFFIC SIGNALS PLAN FOR DEMOLITION OF TRAFFIC SIGNALS
7. SEE SIGNING AND MARKING PLAN FOR LOCATIONS OF SIGNS TO BE REMOVED OR RELOCATED. COORDINATE RELOCATIONS WITH MOT AND ACTUAL CONSTRUCTION.
8. EXISTING TRASH CANS AND BIKE RACKS TO BE RETURNED TO COUNTY OR RELOCATED AS DIRECTED BY THE COUNTY.

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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Seal

COMMONWEALTH OF VIRGINIA
MICHAEL R. ALBRIGHT
Lic. No. 46643
09/03/2021
PROFESSIONAL ENGINEER

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

Revisions	Date

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

Filename: 010073-F-DEMO401.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal Production\Task 7.5 Final Design of Columbia Pike Segment\Segment F\7.5.2 - 100% Design Plan\Sheets
Plotted: September 03, 2021
Plotted by: Patrick.Husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

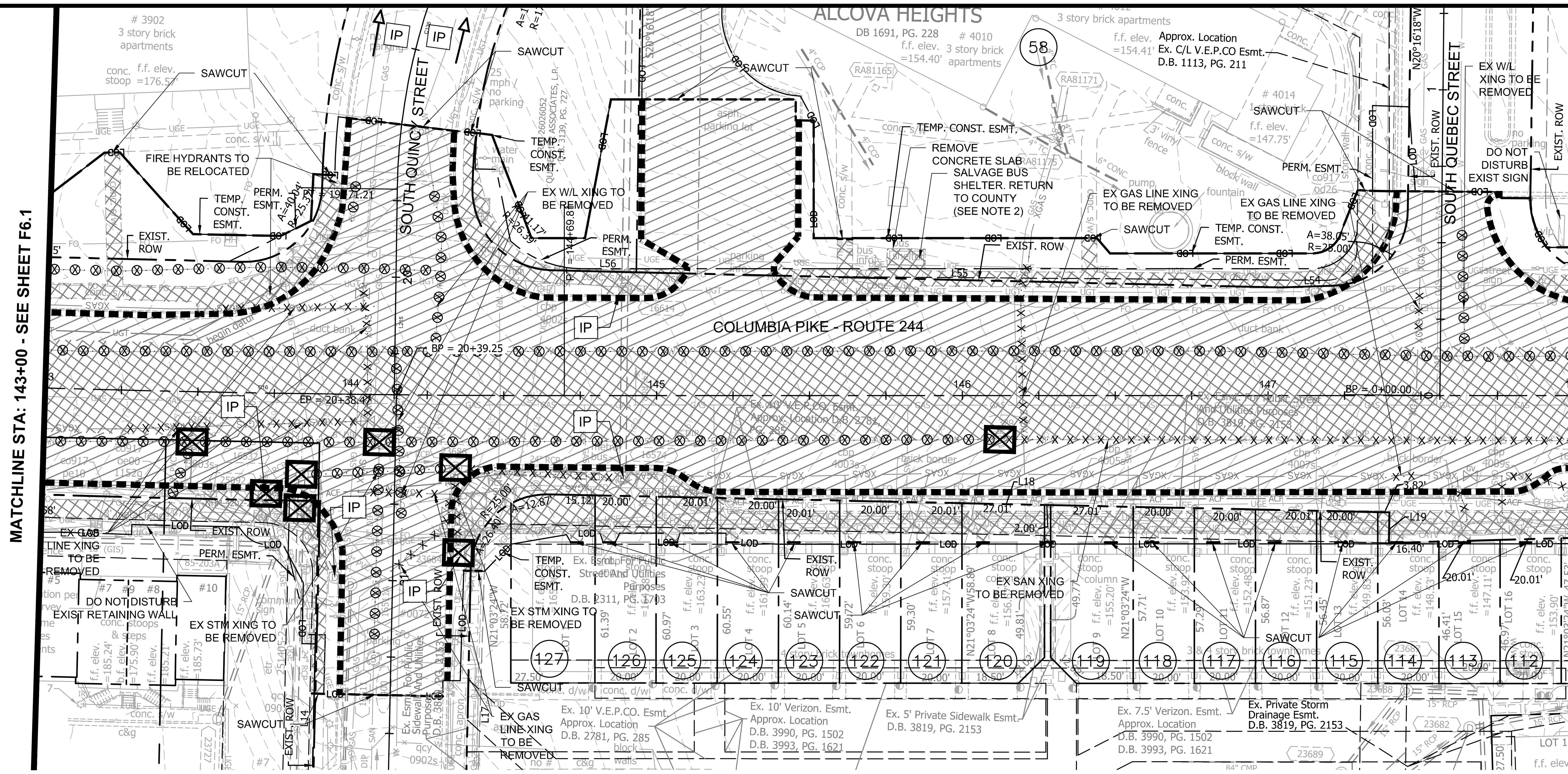
PHASE 1 EROSION CONTROLS & DEMOLITION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 132+00 TO STA. 143+00

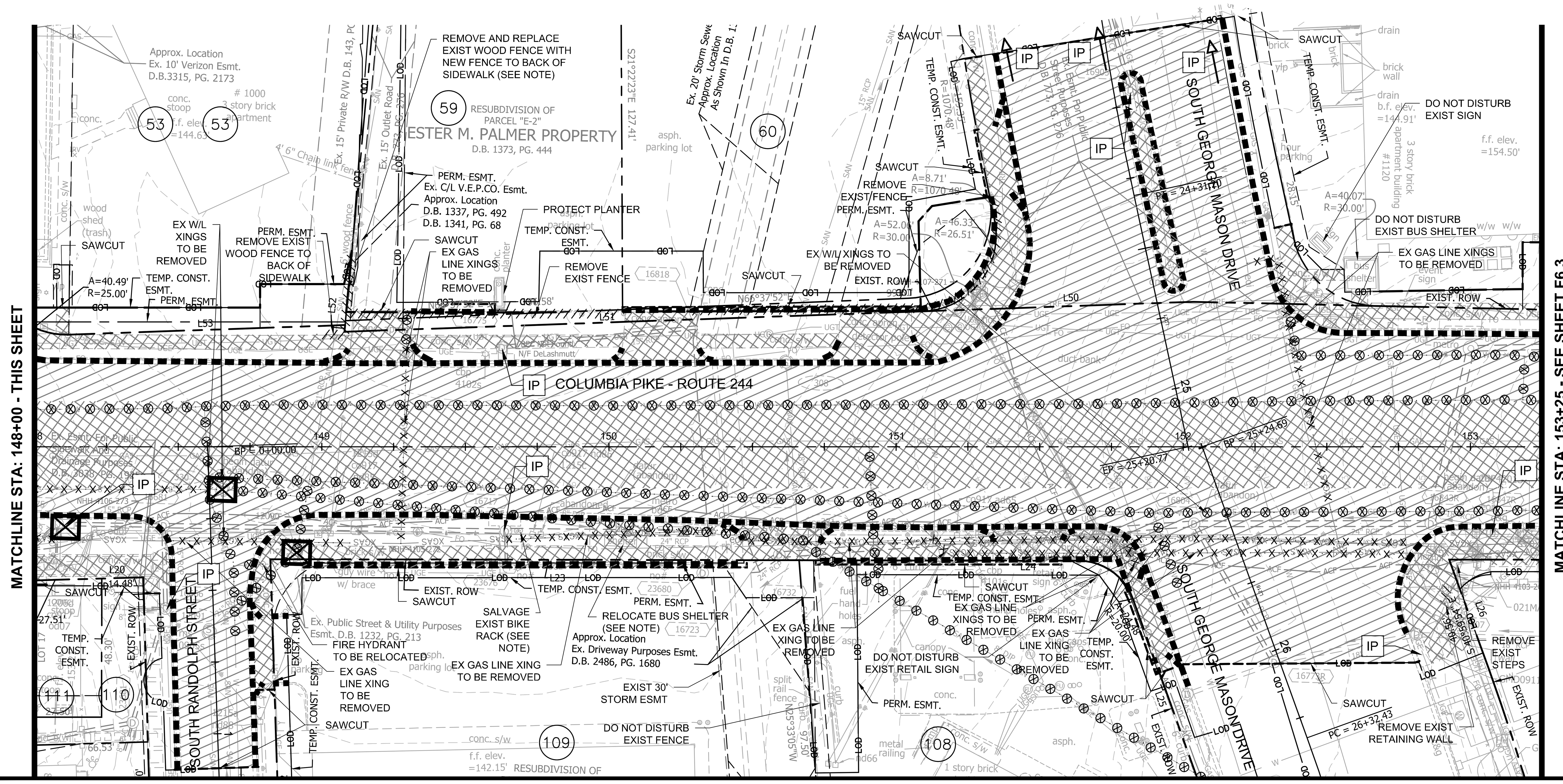
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F6.1 of F6.4

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE





GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

LEGEND

- REMOVE BITUMINOUS SURFACE
- REMOVE CONCRETE SURFACE
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE UTILITY LINE
- FILL & ABANDON UTILITY LINE (GAS BY WGL)
- REMOVE FENCE OR WALL
- IP — STORM SEWER STRUCTURE INLET PROTECTION TYPE A OR B
- INLET PROTECTION OFF OF VIEW
- REMOVE STRUCTURE
- EROSION CONTROL FENCE (SILT FENCE)
- LOD — LIMITS OF DISTURBANCE
- 80 — PROPERTY IDENTIFIER

NOTES:

1. REMOVE TO REPLACE FENCE WITH NEW MATERIAL MATCHING THE ORIGINAL QUALITY OF THE FENCE UNLESS OTHERWISE SPECIFIED.
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ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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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	

Revisions	Date

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

Filename: 010073-F-DEMO401.dwg
Path:
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1 EROSION CONTROLS & DEMOLITION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 143+00 TO STA. 153+25

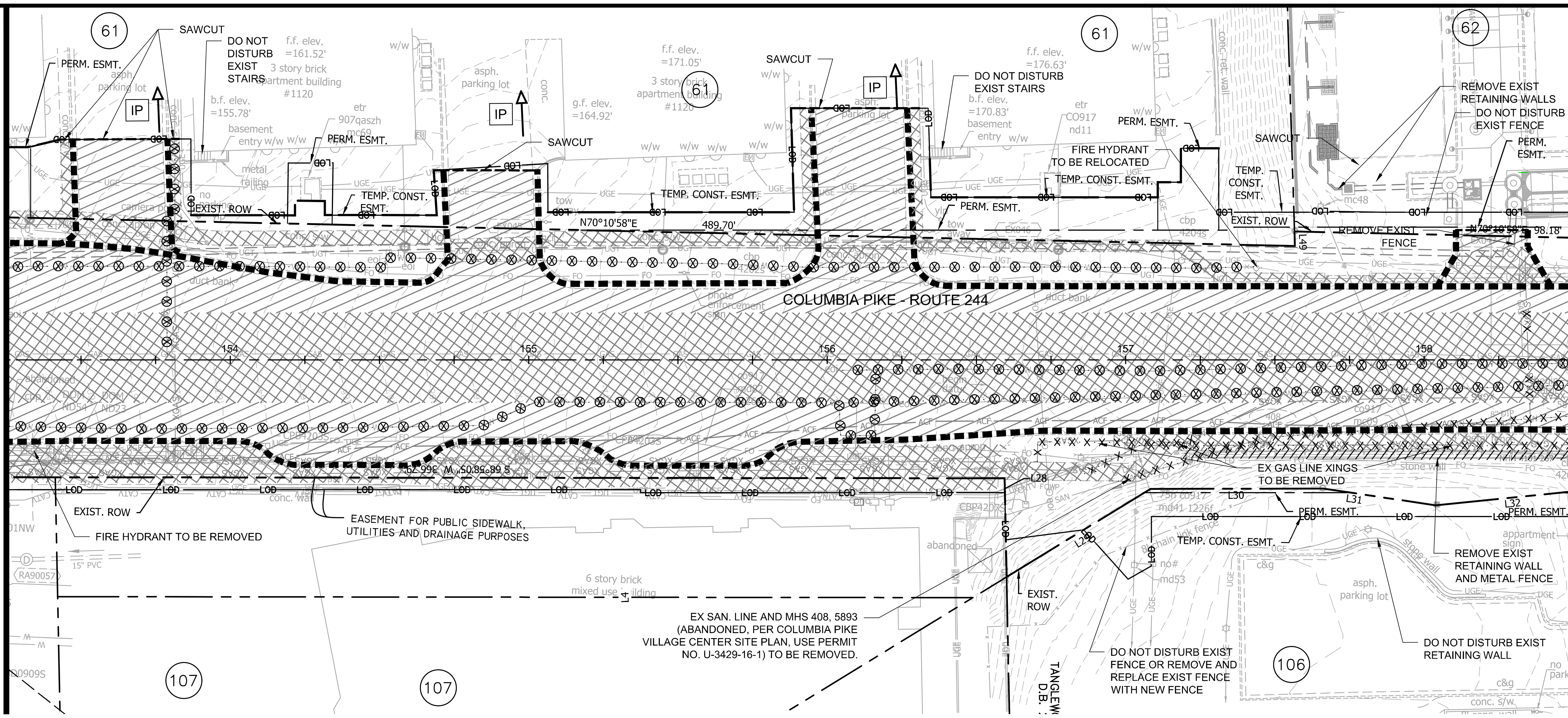
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F6.2 of F6.4

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

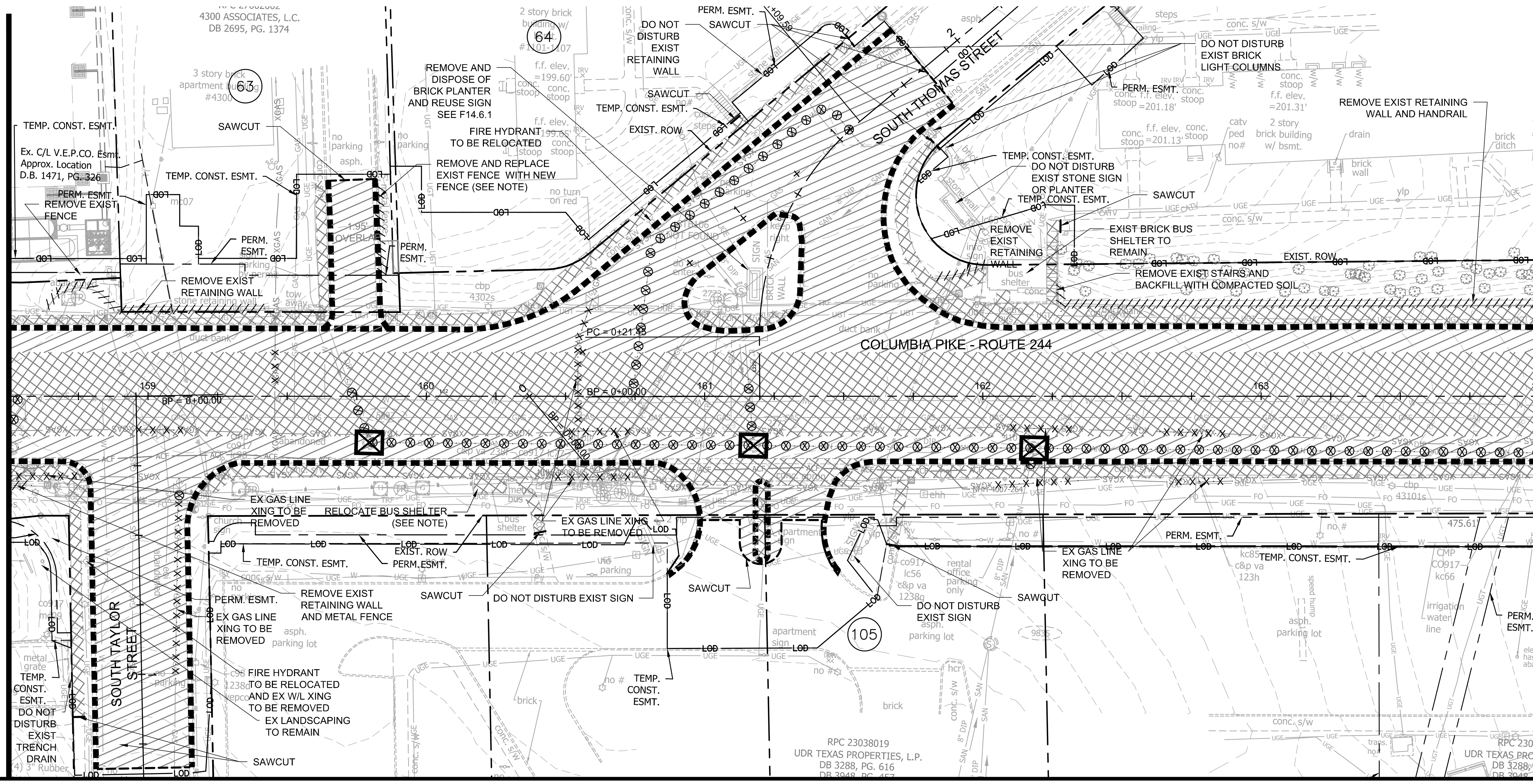
10/19/2021
APPROVAL DATE

MATCHLINE STA: 153+25 - SEE SHEET F6.2



MATCHLINE STA: 158+50 - THIS SHEET

MATCHLINE STA: 158+50 - THIS SHEET



MATCHLINE STA: 164+00 - SEE SHEET F6.4

GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

LEGEND

	REMOVE BITUMINOUS SURFACE
	REMOVE CONCRETE SURFACE
	REMOVE CONCRETE CURB AND GUTTER
X X X X X X X X X	REMOVE UTILITY LINE
	FILL & ABANDON UTILITY LINE (GAS BY WGL)
	REMOVE FENCE OR WALL
IP	STORM SEWER STRUCTURE INLET PROTECTION TYPE A OR B
	INLET PROTECTION OFF OF VIEW
	REMOVE STRUCTURE
	EROSION CONTROL FENCE (SILT FENCE)
LOD	LIMITS OF DISTURBANCE
80	PROPERTY IDENTIFIER

NOTES:

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ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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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	

Revisions	Date

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

Filename: 010073-F-DEMO401.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal\Production\Task 7.5 Final Design of Columbia Pike Segments\Segment F\7.5.2 - 100% Design Plan\Sheets
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1 EROSION CONTROLS & DEMOLITION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 153+25 TO STA. 164+00

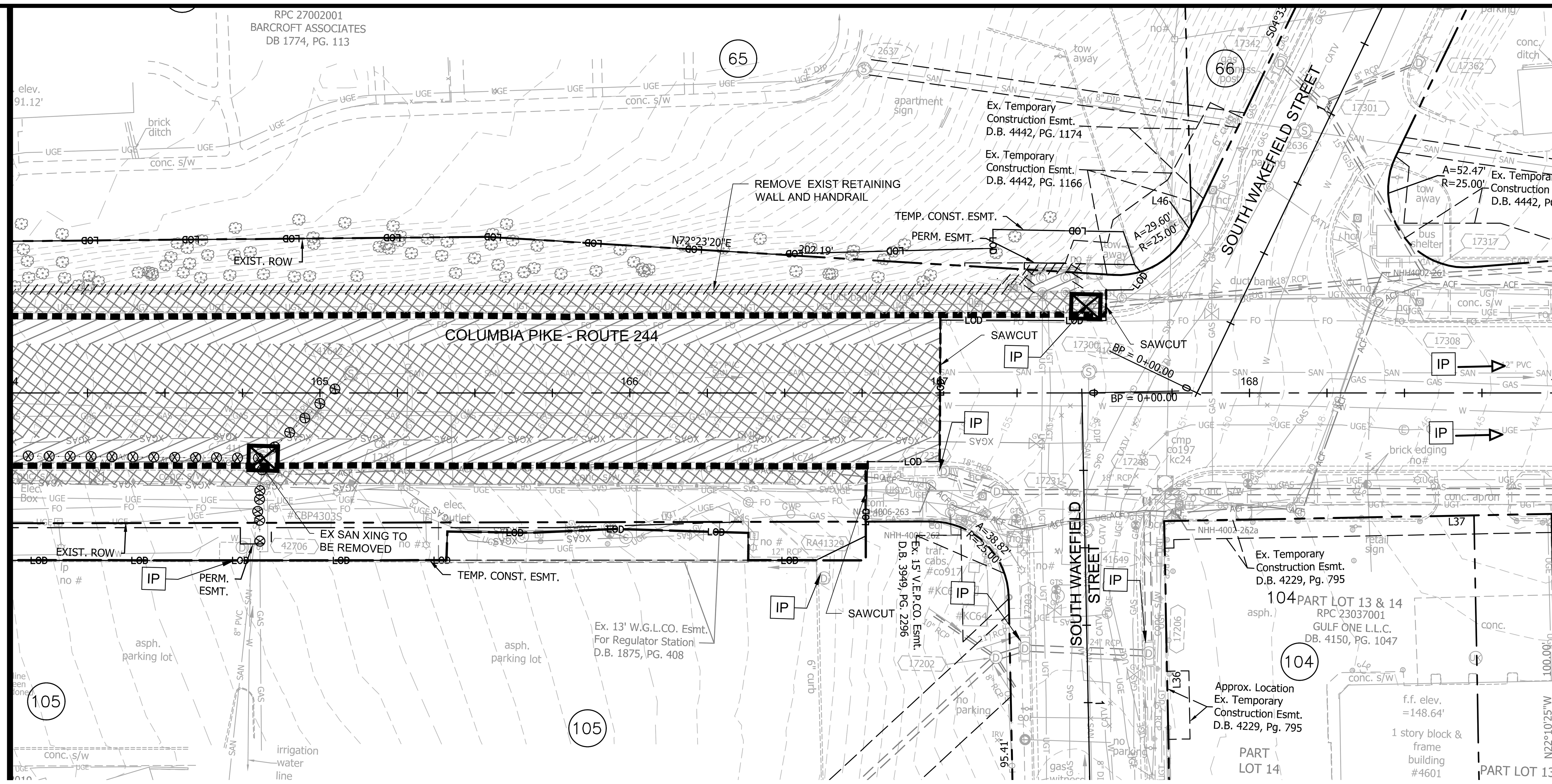
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F6.3 of F6.4

ARLINGTON VIRGINIA | DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

MATCHLINE STA: 164+00 - SEE SHEET F6.3



GRAPHIC SCALE IN FEET

0 12.5 25 50

(HORIZONTAL SCALE)

LEGEND

- REMOVE BITUMINOUS SURFACE
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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	
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Revisions	Date

Designed: JGJ
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Checked: MRA
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Filename: 010073-F-DEMO401.dwg
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Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PHASE 1 EROSION CONTROLS & DEMOLITION 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:	F6.4 of F6.4

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

RADIAL OFFSETS AND MEDIAN NOSE DATA

NO.	PC BASELINE STATION	PC BASELINE OFFSET	PT CONNECTION STATION	PT CONNECTION OFFSET	RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
7.2-14	139+44.24	-45.87 LT	139+49.78	-59.49 LT	19.50	14.70	15.08
7.2-13	139+03.24	-46.46 LT	138+98.83	-58.95 LT	19.50	13.24	13.51
7.2-17	142+72.77	36.50 RT	143+34.88	36.50 RT	5766.08	62.51	62.51
7.2-15	139+77.46	-3.92 LT	139+77.20	-0.94 LT	1.50	2.99	4.45
7.2-16	142+44.68	-4.00 LT	142+44.90	-1.02 LT	1.50	2.99	4.49
7.2-12	139+15.13	32.37 RT	139+25.67	36.50 RT	15.50	11.32	11.59
7.2-11	139+05.28	28.50 RT	139+15.13	32.37 RT	14.50	10.59	10.84
7.2-10	138+27.62	-4.00 LT	138+27.89	-1.02 LT	1.50	2.99	4.45
7.2-9	137+99.48	32.37 RT	138+09.34	28.50 RT	14.50	10.59	10.84
7.2-8	137+88.94	36.50 RT	137+99.48	32.37 RT	15.50	11.32	11.59
7.2-7	136+48.15	31.26 RT	136+58.65	35.48 RT	15.50	11.32	11.59
7.2-6	136+38.32	27.31 RT	136+48.15	31.26 RT	14.50	10.59	10.84
7.2-5	135+98.78	-0.51 LT	135+98.78	2.49 RT	1.50	3.00	4.68
7.2-4	135+29.27	51.22 RT	135+53.97	26.62 RT	24.50	34.86	38.79
7.2-3	135+30.77	57.59 RT	135+32.38	64.20 RT	15.50	6.80	6.86
7.2-2	135+29.27	51.22 RT	135+30.77	57.59 RT	14.50	6.54	6.60
7.2-1	134+83.65	25.53 RT	134+94.39	33.12 RT	22.89	13.15	13.34
7.3-31	148+83.01	50.80 RT	148+92.39	41.00 RT	9.50	13.56	15.10
7.3-19	145+39.38	-42.39 LT	145+39.77	-43.42 LT	1.48	1.10	1.13
7.3-18	145+08.36	-41.52 LT	145+07.65	-42.50 LT	1.50	1.21	1.25
7.3-3	142+72.77	-28.50 LT	143+76.62	-28.50 LT	5701.08	103.34	103.34

RADIAL OFFSETS AND MEDIAN NOSE DATA

NO.	PC BASELINE STATION	PC BASELINE OFFSET	PT CONNECTION STATION	PT CONNECTION OFFSET	RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
7.3-28	148+32.41	-4.00 LT	148+32.41	4.00 RT	4.00	8.00	12.57
7.3-27	147+88.55	-4.00 LT	147+88.56	4.00 RT	4.00	8.00	12.55
7.3-30	148+76.10	53.78 RT	149+00.59	28.50 RT	24.50	35.19	39.26
7.3-29	148+22.72	28.50 RT	148+47.21	52.19 RT	24.50	34.07	37.67
7.3-24	147+76.17	32.37 RT	147+86.03	28.50 RT	14.50	10.59	10.84
7.3-23	147+65.63	36.50 RT	147+76.17	32.37 RT	15.50	11.32	11.59
7.3-25	147+66.92	-55.35 LT	147+76.32	-64.65 LT	9.50	13.22	14.63
7.3-26	147+66.88	-53.52 LT	147+91.37	-28.50 LT	24.50	35.02	39.01
7.3-22	147+16.75	-28.50 LT	147+41.34	-52.55 LT	24.51	34.40	38.13
7.3-21	147+25.31	-4.00 LT	147+25.31	4.00 RT	4.00	8.00	12.57
7.3-20	145+87.08	1.04 RT	145+87.40	4.00 RT	1.50	2.98	4.39
7.3-17	145+00.75	32.37 RT	145+11.29	36.50 RT	15.50	11.32	11.59
7.3-16	144+90.89	28.50 RT	145+00.75	32.37 RT	14.50	10.59	10.84
7.3-14	144+51.50	28.50 RT	144+69.81	28.50 RT	5758.12	18.40	18.40
7.3-15	144+60.67	-28.50 LT	144+69.81	-28.50 LT	5701.08	9.10	9.10
7.3-10	144+36.46	-48.05 LT	144+60.67	-28.50 LT	24.50	30.99	33.55
7.3-9	144+34.25	-86.37 LT	144+36.46	-48.05 LT	129.37	38.39	38.53
7.3-13	144+27.23	52.58 RT	144+51.50	28.50 RT	24.50	34.32	38.02
7.3-11	144+29.73	82.20 RT	144+32.72	91.52 RT	15.50	9.80	9.97
7.3-12	144+26.92	73.36 RT	144+29.73	82.20 RT	14.50	9.29	9.46
7.3-6	143+72.85	28.50 RT	143+97.13	53.20 RT	24.50	34.75	38.64

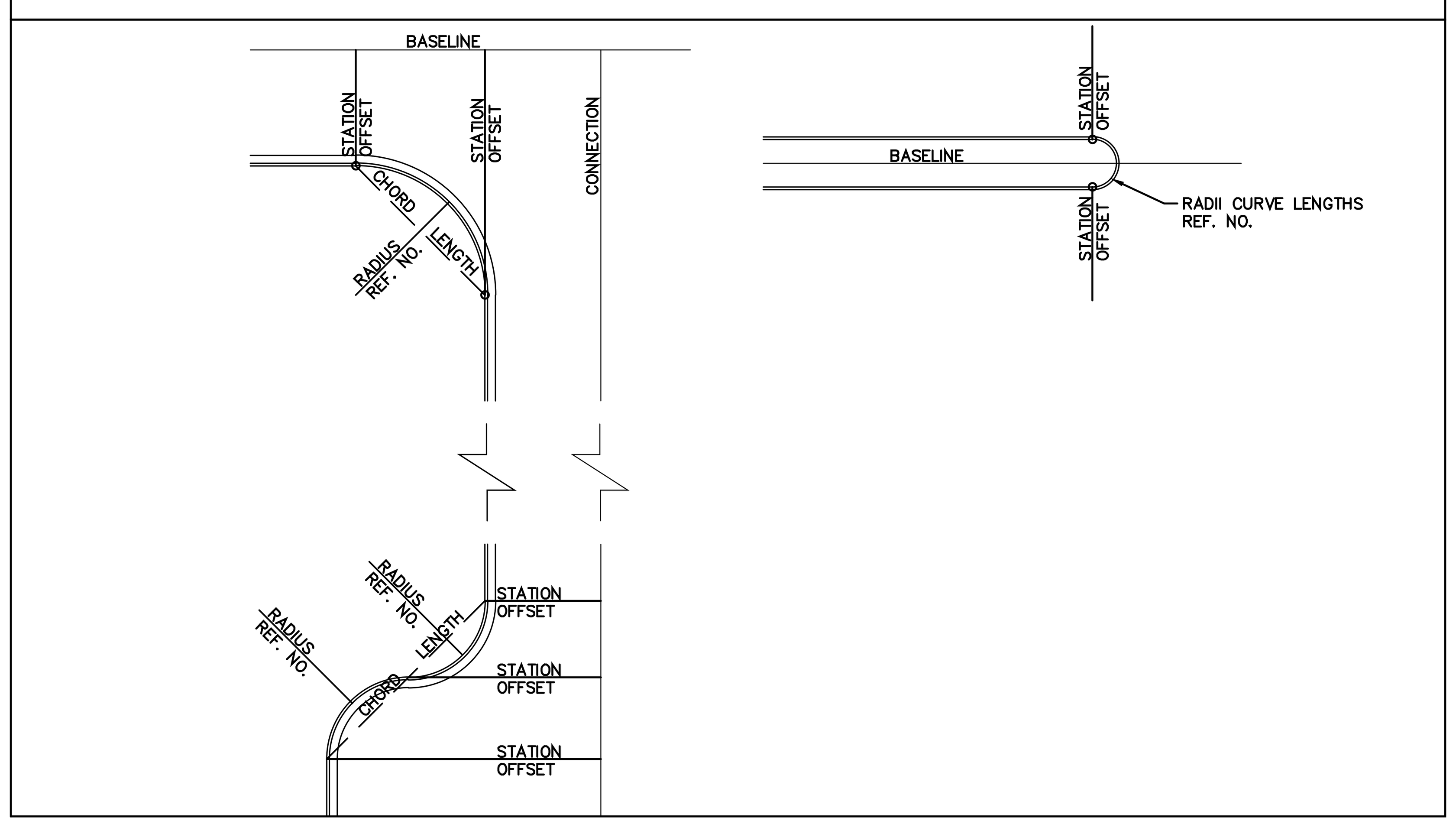
RADIAL OFFSETS AND MEDIAN NOSE DATA

NO.	PC BASELINE STATION	PC BASELINE OFFSET	PT CONNECTION STATION	PT CONNECTION OFFSET	RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
7.3-5	143+55.20	28.50 RT	143+72.85	28.50 RT	6204.84	17.74	17.74
7.3-7	143+99.33	-79.55 LT	144+01.41	-72.07 LT	14.50	7.76	7.86
7.3-8	143+97.11	-88.21 LT	143+99.33	-79.55 LT	15.50	8.92	9.05
7.3-4	143+76.62	-28.50 LT	144+01.35	-52.98 LT	24.50	34.67	38.52
7.3-2	143+45.38	32.36 RT	143+55.20	28.50 RT	14.50	10.60	10.85
7.3-1	143+34.88	36.50 RT	143+45.38	32.36 RT	15.46	11.35	11.62
7.4-25	155+81.84	32.12 RT	155+91.43	28.50 RT	14.50	10.25	10.48
7.4-24	155+71.58	36.00 RT	155+81.84	32.12 RT	15.50	10.96	11.20
7.4-23	155+24.52	32.12 RT	155+35.97	36.00 RT	15.78	12.09	12.41
7.4-22	155+14.93	28.50 RT	155+24.52	32.12 RT	14.50	10.25	10.48
7.4-21	154+68.49	32.12 RT	154+78.08	28.50 RT	14.50	10.25	10.48
7.4-20	154+58.24	36.00 RT	154+68.49	32.12 RT	15.50	10.96	11.20
7.4-19	154+12.39	32.12 RT	154+23.35	36.00 RT	15.61	11.62	11.91
7.4-18	154+02.80	28.50 RT	154+12.39	32.12 RT	14.50	10.25	10.48
7.4-8	151+63.20	39.50 RT	151+81.33	50.49 RT	20.01	21.20	22.34
7.4.1-22	161+43.67	47.89 RT	161+48.57	62.60 RT	24.46	15.50	15.77
7.4.1-17	160+87.27	63.26 RT	160+97.19	43.46 RT	24.50	22.14	22.97
7.4-3	151+27.80	-111.22 LT	151+32.64	-87.03 LT	3138.22	24.67	24.67
7.4-2	150+12.95	-43.50 LT	150+17.32	-47.16 LT	4.50	5.70	6.18
7.4-1	149+84.94	-43.52 LT	149+80.55	-46.96 LT	4.50	5.58	6.01
7.4-7	151+44.01	-111.71 LT	151+55.03	-58.15 LT	3122.19	54.68	54.68

RADIAL OFFSETS AND MEDIAN NOSE DATA

NO.	PC BASELINE STATION	PC BASELINE OFFSET	PT CONNECTION STATION	PT CONNECTION OFFSET	RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
7.4.1-26	166+71.77	-1.61 LT	166+71.77	1.39 RT	1.50	3.00	4.63
7.4.1-25	162+46.84	1.02 RT	162+47.11	4.00 RT	1.50	2.99	4.45
7.4.1-21	161+14.16	52.83 RT	161+26.17	52.80 RT	6.01	12.01	18.88
7.4.1-20	161+14.15	49.74 RT	161+26.15	49.99 RT	6.00	12.00	18.58
7.4.1-23	161+50.86	-66.27 LT	161+71.46	-28.50 LT	24.50	43.02	52.51
7.4.1-24	161+50.86	-66.27 LT	161+67.33	-84.87 LT	81.91	24.85	24.94
7.4.1-19	161+03.48	-47.69 LT	161+43.57	-113.44 LT	119.07	77.01	78.42
7.4.1-18	160+79.01	-28.51 LT	161+03.48	-47.69 LT	24.50	31.10	33.69
7.4.1-6	158+68.80	-4.00 LT	158+68.80	4.00 RT	4.00	8.00	12.57
7.4.1-5	158+68.30	3.50 RT	158+68.80	4.00 RT	0.50	0.71	0.79
7.4.1-4	158+68.30	-3.50 LT	158+68.80	-4.00 LT	0.50	0.71	0.79
7.4.1-10	159+09.77	53.49 RT	159+34.26	28.50 RT	24.50	34.99	38.97
7.4.1-12	159+12.68	66.24 RT	159+15.69	75.09 RT	15.50	9.35	9.50
7.4.1-11	159+09.86	57.93 RT	159+12.68	66.24 RT	14.50	8.77	8.91
7.4.1-8	158+81.44	66.92 RT	158+83.87	58.60 RT	14.50	8.66	8.80
7.4.1-9	158+78.85	75.80 RT	158+81.44	66.92 RT	15.50	9.25	9.39
7.4.1-7	158+59.25	28.50 RT	158+83.74	52.51 RT	24.50	34.30	37.99
7.4.1-3	158+55.79	4.00 RT	158+57.29	2.50 RT	1.50	2.12	2.35
7.4.1-2	158+55.80	-4.00 LT	158+57.30	-2.50 LT	1.50	2.12	2.36
7.4.1-1	157+24.02	-4.00 LT	157+24.02	4.00 RT	4.00	8.00	12.57
7.4-17	152+77.93	61.26 RT	153+00.99	28.50 RT	24.50	40.07	46.91

RADIAL OFFSETS AND MEDIAN NOSE DATA



RADIAL OFFSETS AND MEDIAN NOSE DATA

NO.	PC BASELINE STATION	PC BASELINE OFFSET	PT CONNECTION STATION	PT CONNECTION OFFSET	RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
7.4-15	152+34.55	-47.66 LT	152+58.46	-28.50 LT	24.50	30.64	33.11
7.4-14	152+14.98	-140.98 LT	152+23.72	-96.18 LT	1412.44	45.65	45.65
7.4-13	151+93.62	-57.12 LT	151+99.62	-58.43 LT	3.07	6.14	9.68
7.4-12	151+85.24	-126.60 LT	151+92.65	-89.65 LT	2392.47	37.68	37.68
7.4-10	151+79.53	-125.50 LT	151+86.96	-88.43 LT	2379.59	37.81	37.81
7.4-11	151+79.53	-125.50 LT	151+85.24	-126.60 LT	2.91	5.82	9.14
7.4-6	151+39.74	-119.45 LT	151+44.01	-111.71 LT	14.50	8.84	8.98
7.4-5	151+35.19	-127.68 LT	151+39.74	-119.45 LT	15.49	9.41	9.56
7.4-4	151+31.08	-28.50 LT	151+55.03	-58.15 LT	24.50	38.11	43.67
7.4-9	151+63.74	28.50 RT	151+86.78	44.69 RT	24.50	28.16	30.00

NOTE:
ALL MEASUREMENTS ARE TO THE TOP AND BACK OF PROPOSED CURB

ARLINGTON
VIRGINIA

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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	

Revisions	Date

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

Filename: 010073-F-GEOM.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal\Production\Task 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

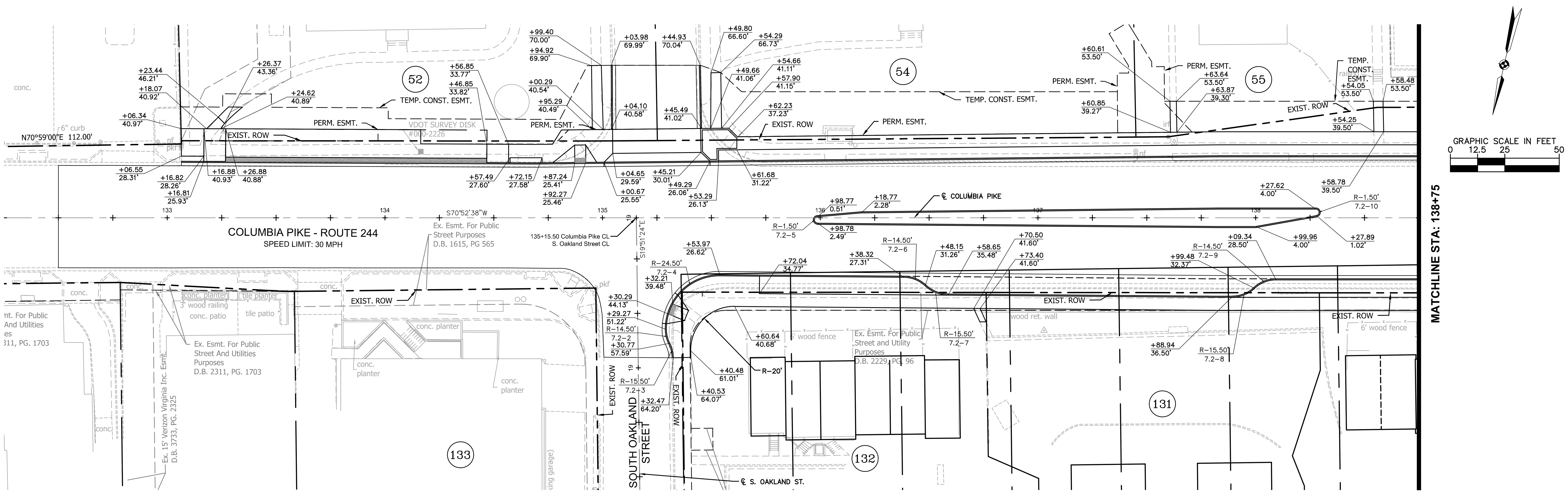
RADIAL OFFSETS AND MEDIAN DATA
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

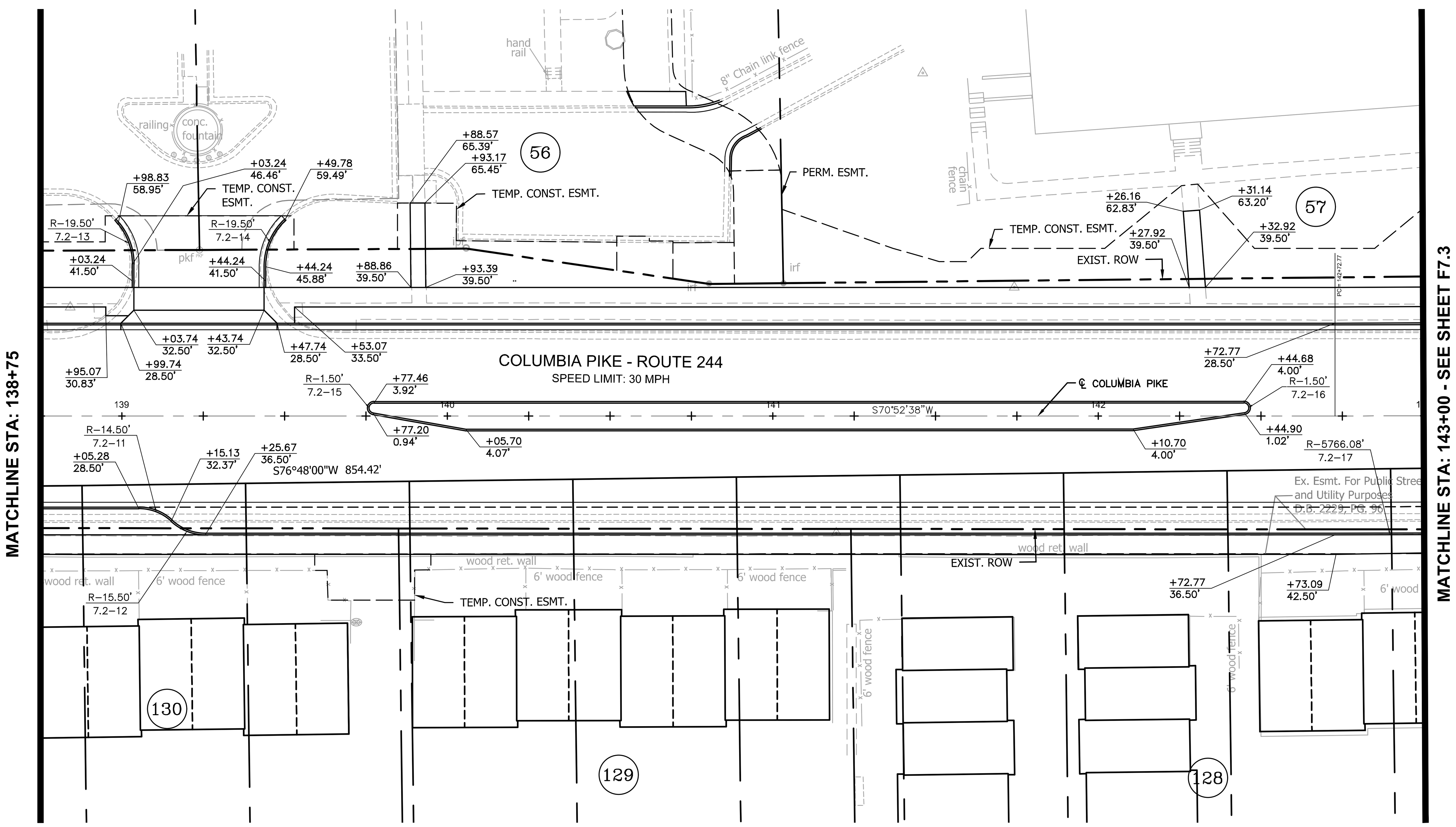
SCALE: HOR. N/A VERT. N/A | SHEET: F7.1 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE





COLUMBIA PIKE MULTIMODAL STREET IMPROVEMENTS	
SEGMENT F RIGHT OF WAY DATA	
PARCEL NO.	PROPERTY ID NO.
52	26002014
54	26002004
55	26002012
56	26002003
57	26002013
128	23039PCA
129	23039PCB
130	23039PCD
131	23039PCE
132	23039PCF
133	2303032

NOTE:
ALL CURB STATION/OFFSET LABELS ARE MEASURED TO THE TOP AND BACK OF PROPOSED CURB

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COMMONWEALTH OF VIRGINIA
MICHAEL R. ALBRIGHT
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09/10/2021
PROFESSIONAL ENGINEER

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

Revisions	Date

Designed: TEC
Drawn: PNH
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Plotted: September 10, 2021
Plotted by: Patrick.Husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

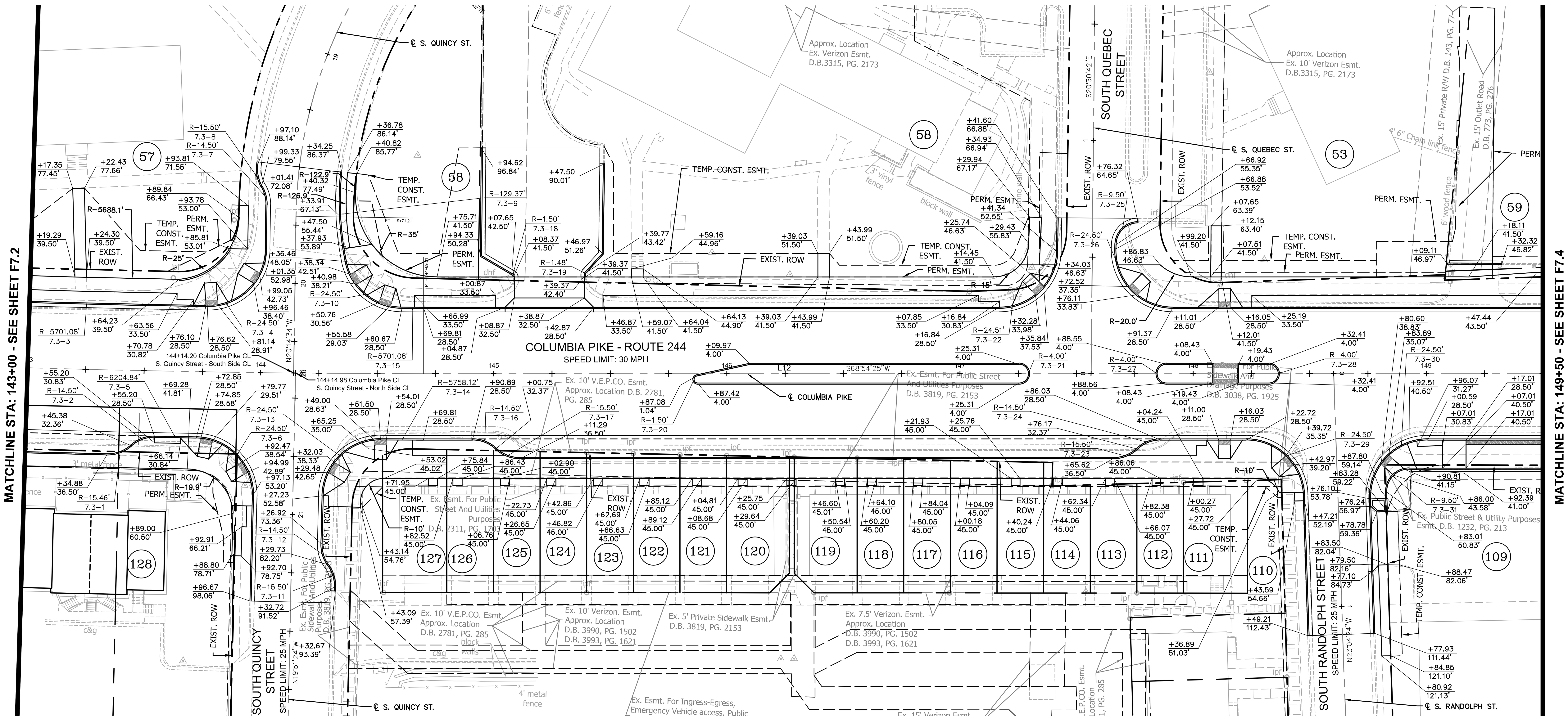
GEOMETRY PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 132+50 TO STA. 143+00

SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F7.2 of F7.6

ARLINGTON VIRGINIA | DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE



COLUMBIA PIKE MULTIMODAL STREET IMPROVEMENTS

SEGMENT F RIGHT OF WAY DATA

PARCEL NO.	PROPERTY ID NO.
53	26026053
57	26002013
58	2626051–26026052
59	27001005
109	23033075
110	23033098
111	23033092
112	23033091
113	23033090
114	23033089
115	23033088
116	23033087
117	23033086
118	23033085
119	23033084
120	230333083
121	23033082
122	23033081
123	23033080
124	23033079
125	23033078
126	23033077
127	23033076
128	23039PCA

GRAPHIC SCALE IN FEET
0 12.5 25 50

NOTE:
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Checked: MRA
Miss Utility Transmittal #:

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Plotted: September 10, 2021
Plotted by: Patrick.Husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GEOMETRY PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 143+00 TO STA. 149+50

SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F7.3 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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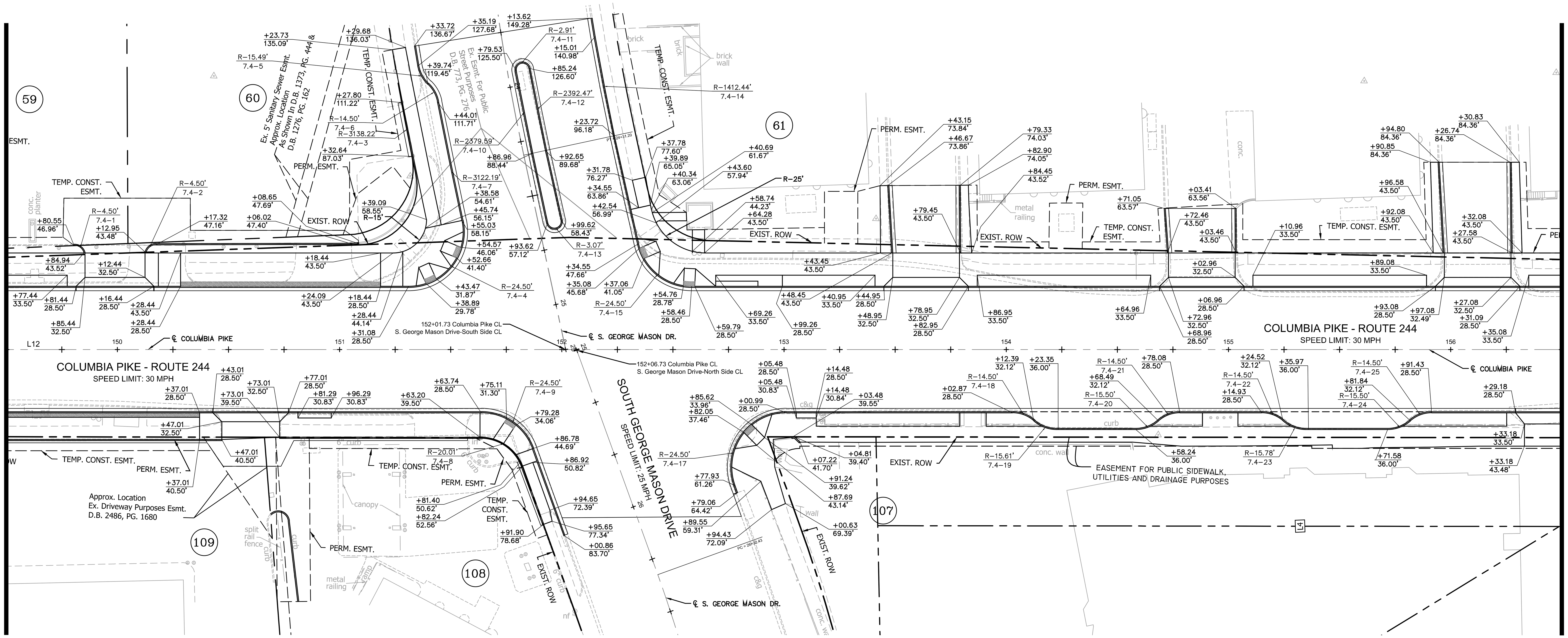

COLUMBIA PIKE MULTIMODAL STREET IMPROVEMENTS	
SEGMENT F RIGHT OF WAY DATA	
PARCEL NO.	PROPERTY ID NO.
59	27001005
60	27001004
61	27002004
107	23034018
108	23033001
109	23033075

GRAPHIC SCALE IN FEET
0 12.5 25 50

NOTE:
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Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-GEOM.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal\Production\Task 7.5 Final Design of Columbia Pike Segment\Segment F\7.5.2 - 100% Design\Plansheets
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

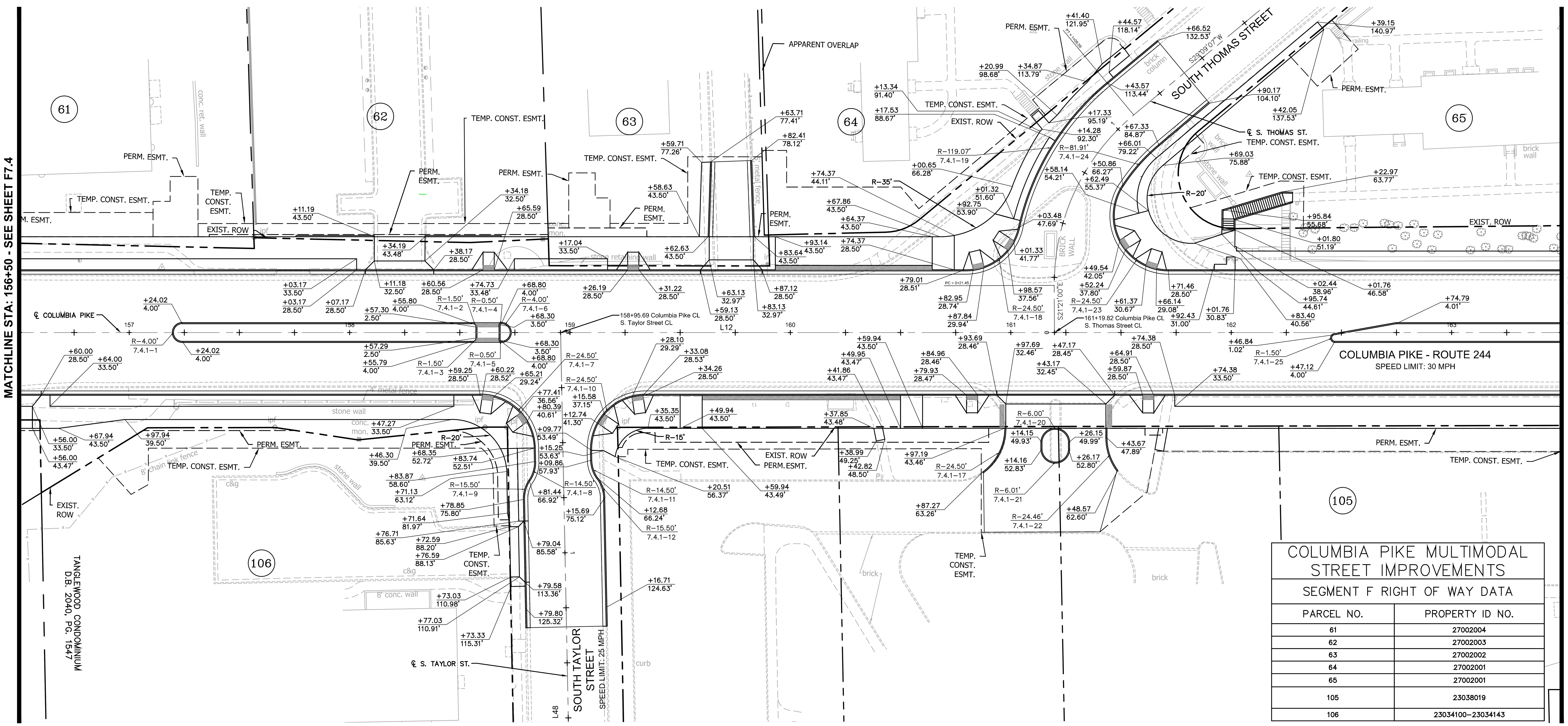
GEOMETRY PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 149+50 TO STA. 156+50

SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F7.4 of F7.6

ARLINGTON VIRGINIA | DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE



COLUMBIA PIKE MULTIMODAL STREET IMPROVEMENTS

SEGMENT F RIGHT OF WAY DATA

PARCEL NO.	PROPERTY ID NO.
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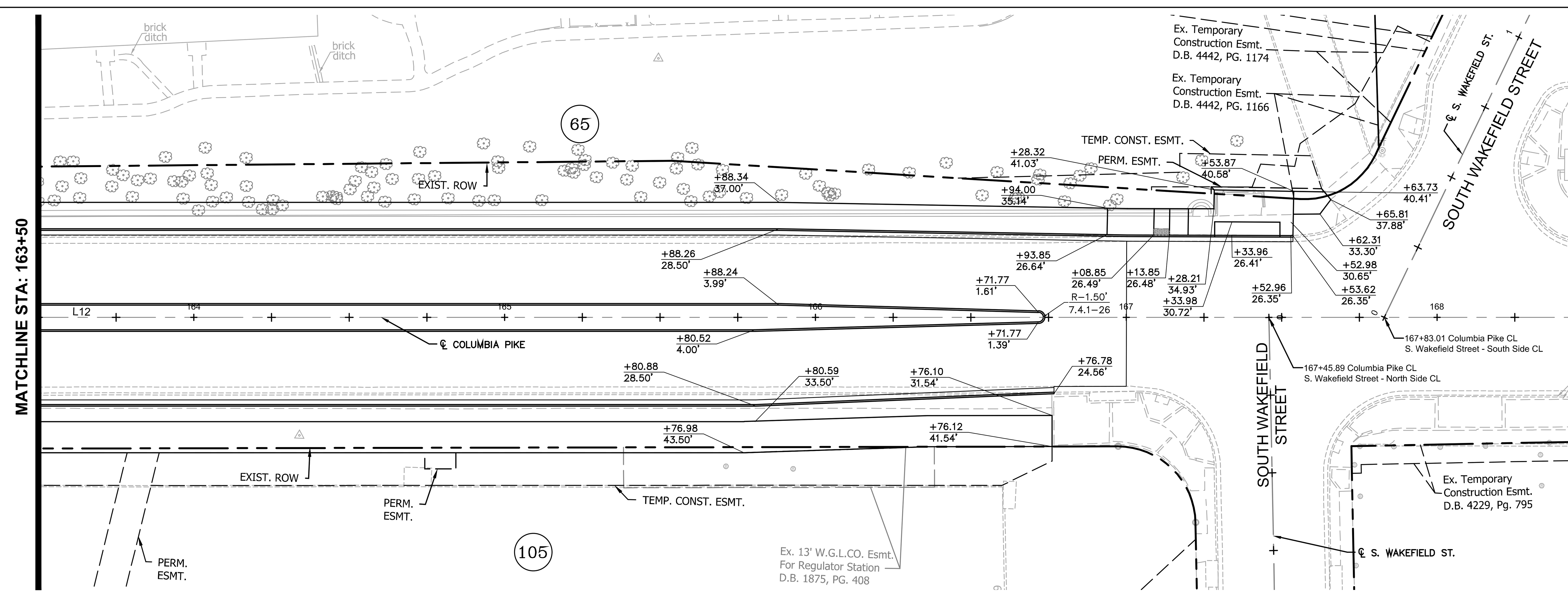
62	27002003
63	27002002
64	27002001
65	27002001
105	23038019
106	23034100–23034143



GRAPHIC SCALE IN FEET
0 12.5 25 50

NOTE:
ALL CURB STATION/OFFSET LABELS ARE MEASURED TO THE TOP AND BACK OF PROPOSED CURB

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Revisions	Date

Designed: TEC
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Checked: MRA
Miss Utility Transmittal #:

Filename: 010073-F-GEOM.dwg
Path: K:\NVA_RDWY\110010073_Columbia Pike Multimodal\Production\Task 7.5 Final Design of Columbia Pike Segment\Segment F\7.5.2 - 100% Design Plan\Sheets
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GEOMETRY PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 156+50 TO STA. 168+50

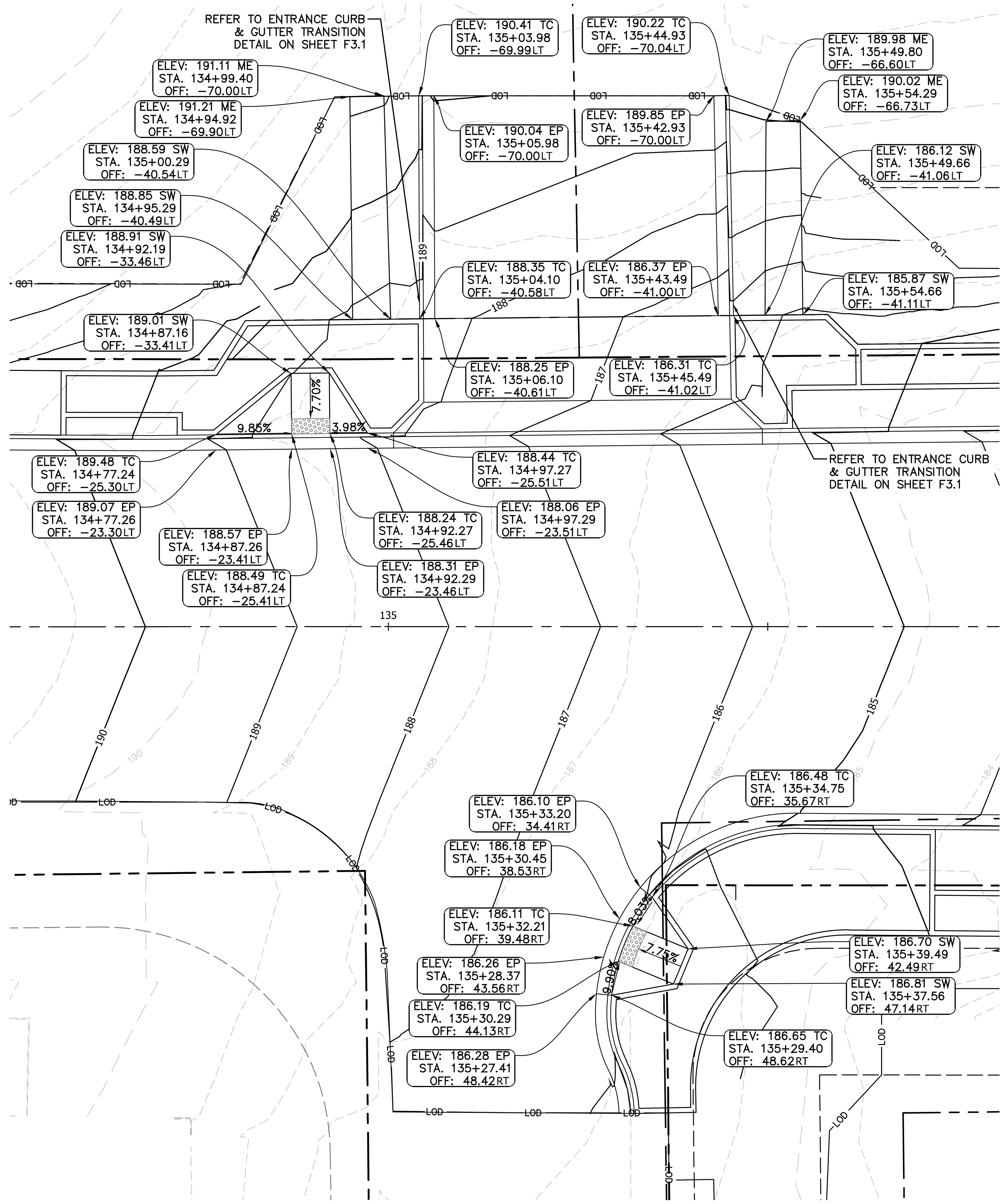
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F7.4.1 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

COLUMBIA PIKE AT S. OAKLAND STREET



LEGEND:

EP = EDGE OF PAVEMENT

TC = TOP OF CURB

SW = SIDEWALK

ME = MATCH EXISTING

GRAPHIC SCALE IN FEET
0 5 10 20

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

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and Associates, Inc.
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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	

Revisions	Date

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

Filename: 010073-F-GRADING PLAN.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal Production\Task 7.5 Final Design of Columbia Pike Segment\Segment F\7.5.2 - 100% Design\PlanSheets
Plotted: September 02, 2021
Plotted by: patrick.husted

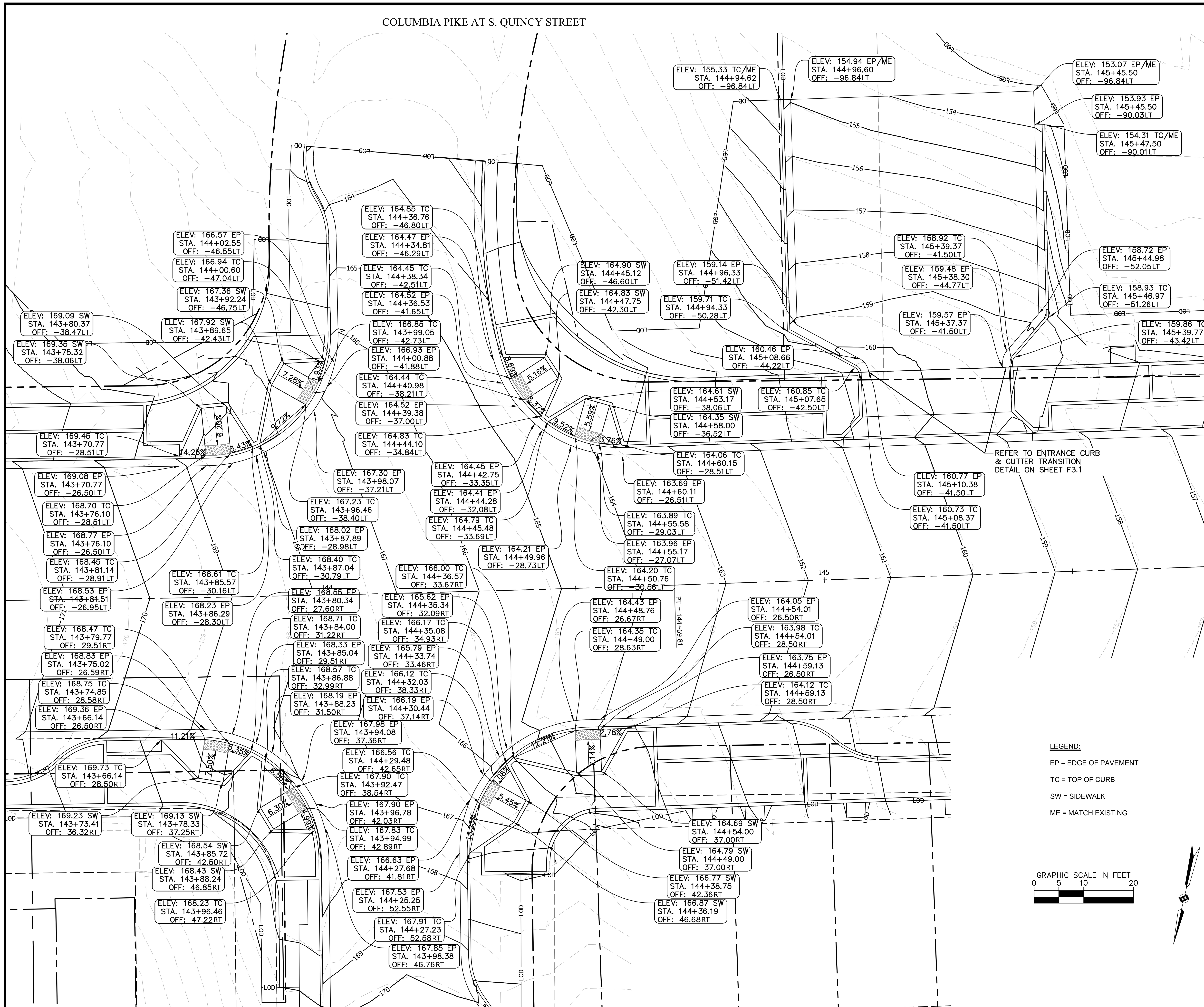
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE:	HOR. 1" = 10' VERT. N/A	SHEET:	F7.4.2 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES
10/19/2021
APPROVAL DATE

COLUMBIA PIKE AT S. QUINCY STREET



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Project Manager	

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ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

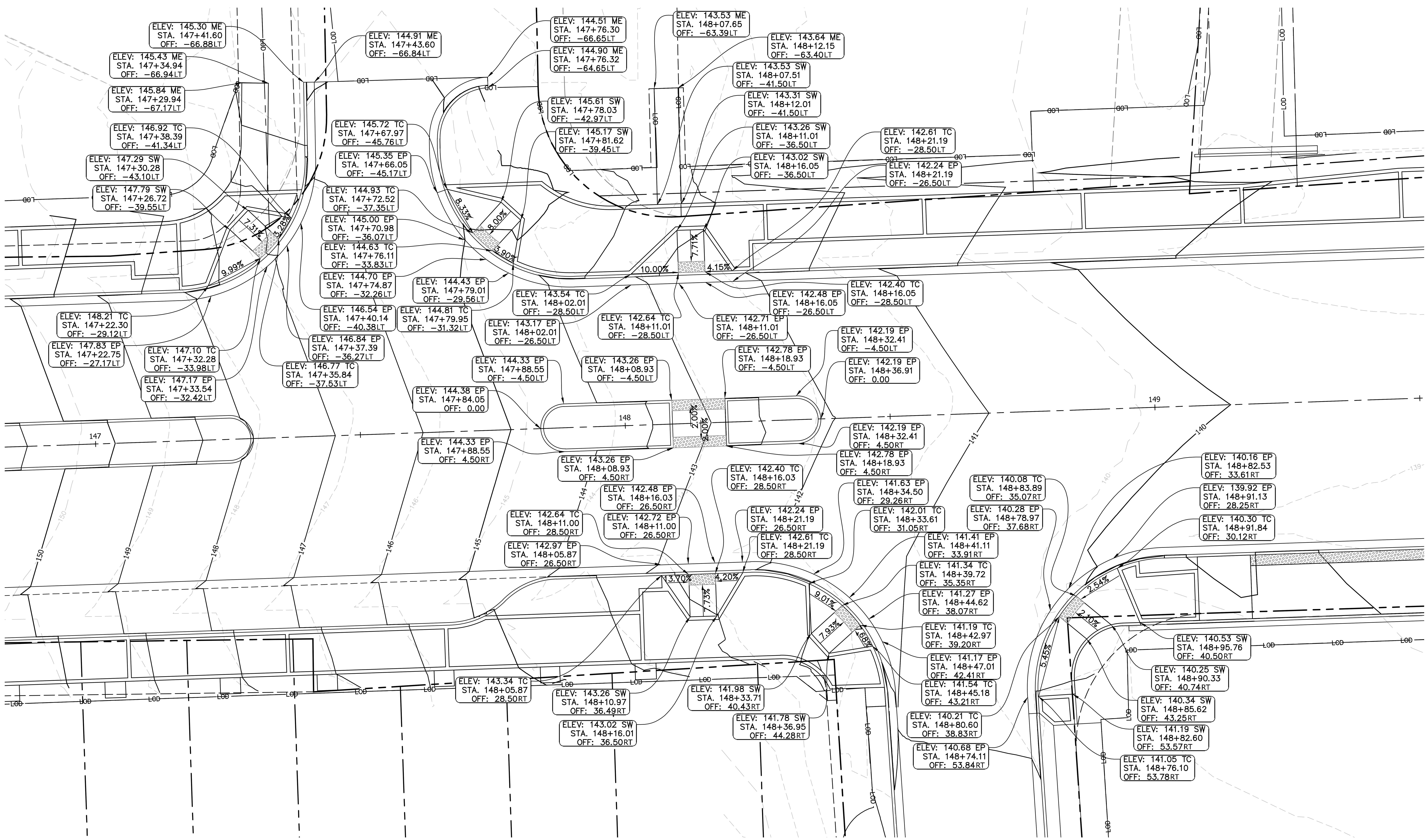
SCALE: HOR. 1" = 10' VERT. N/A | SHEET: F7.4.3 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

COLUMBIA PIKE AT S. QUEBEC STREET & S. RANDOLPH STREET



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ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

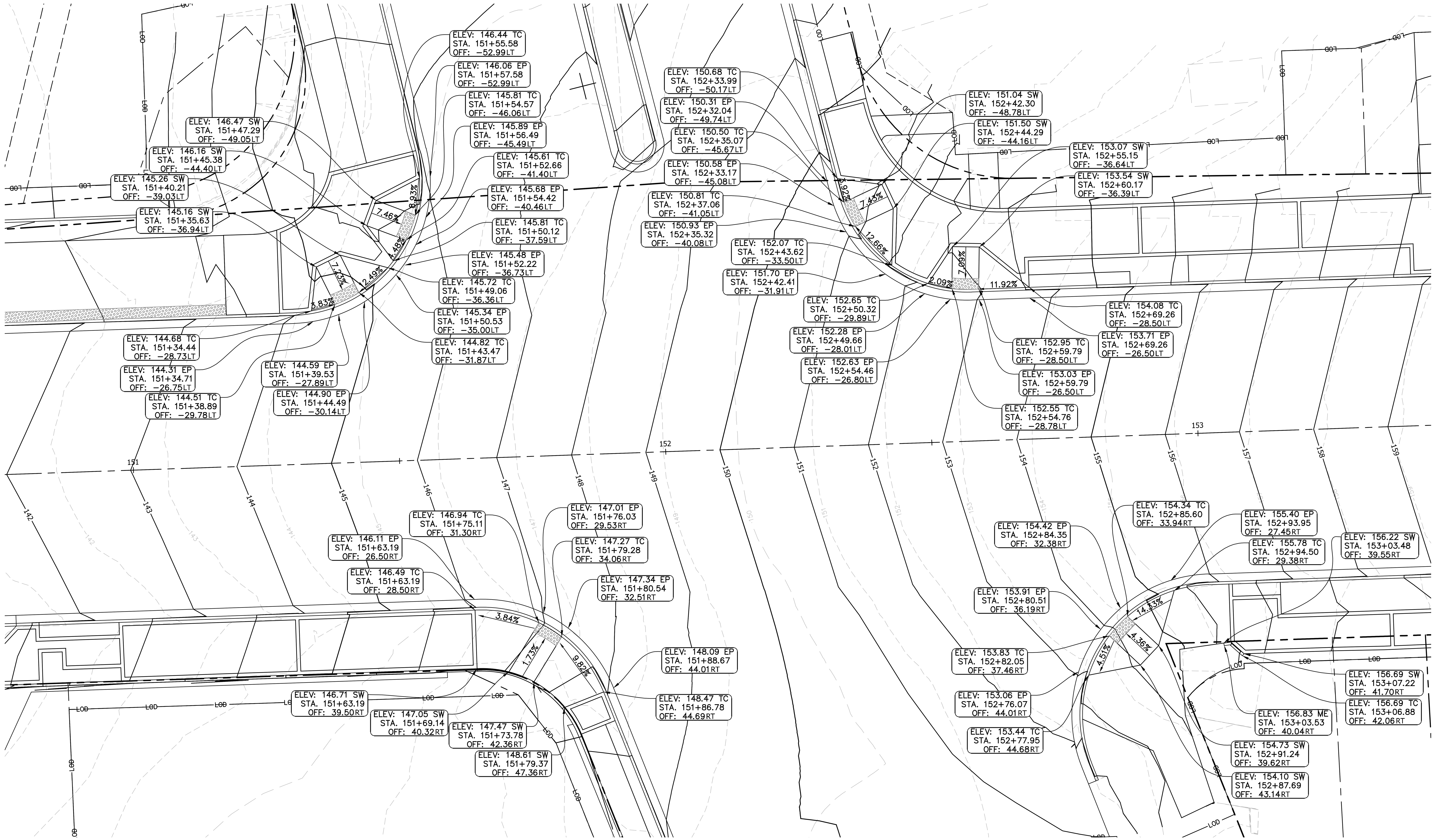
GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE:	HOR. 1" = 10' VERT. N/A	SHEET:	F7.4.4 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE



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

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

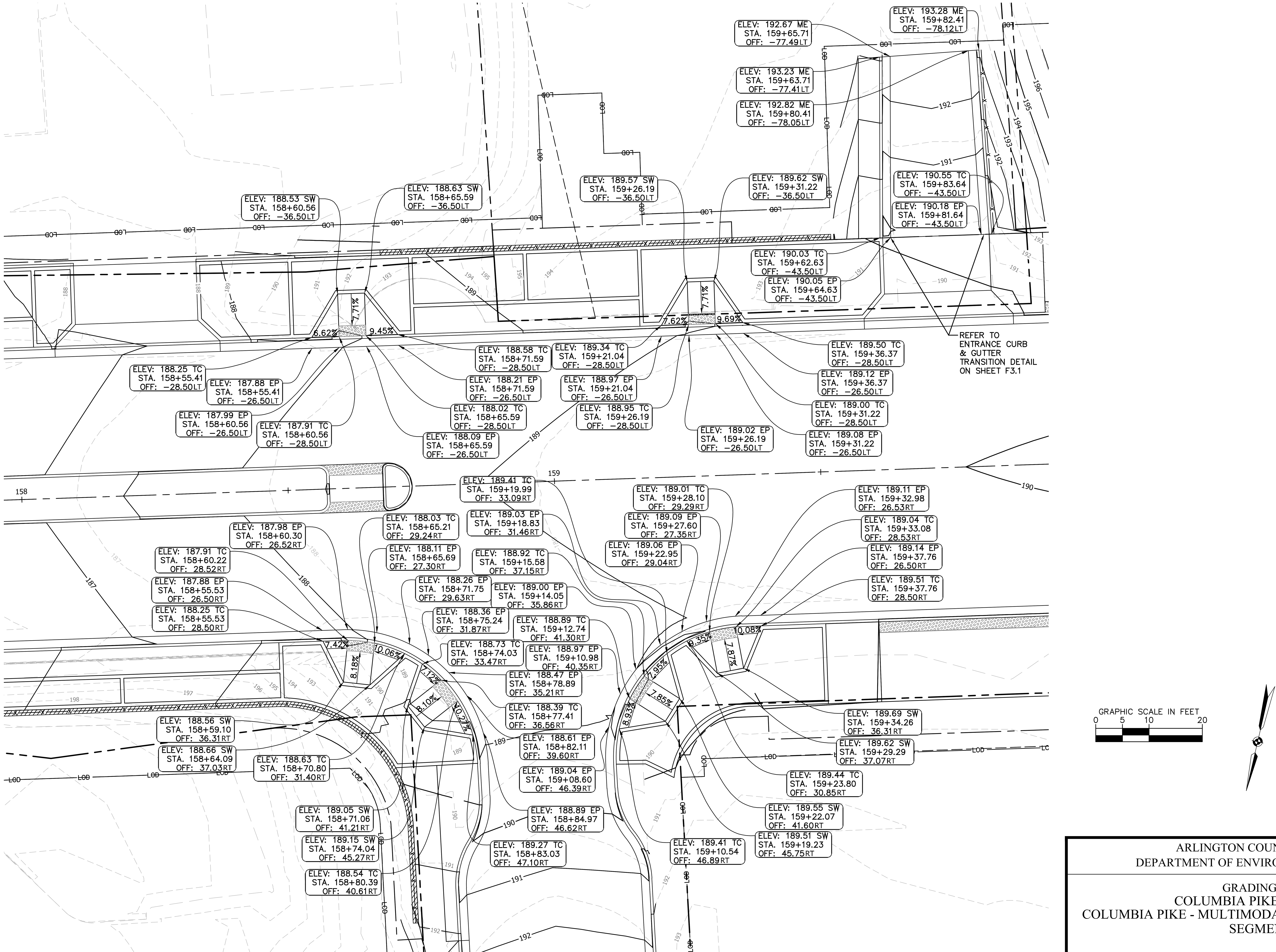
SCALE: HOR. 1" = 10' VERT. N/A | SHEET: F7.4.5 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

COLUMBIA PIKE AT S. TAYLOR STREET



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09/10/2021
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Plotted: September 10, 2021
Plotted by: Patrick.Husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

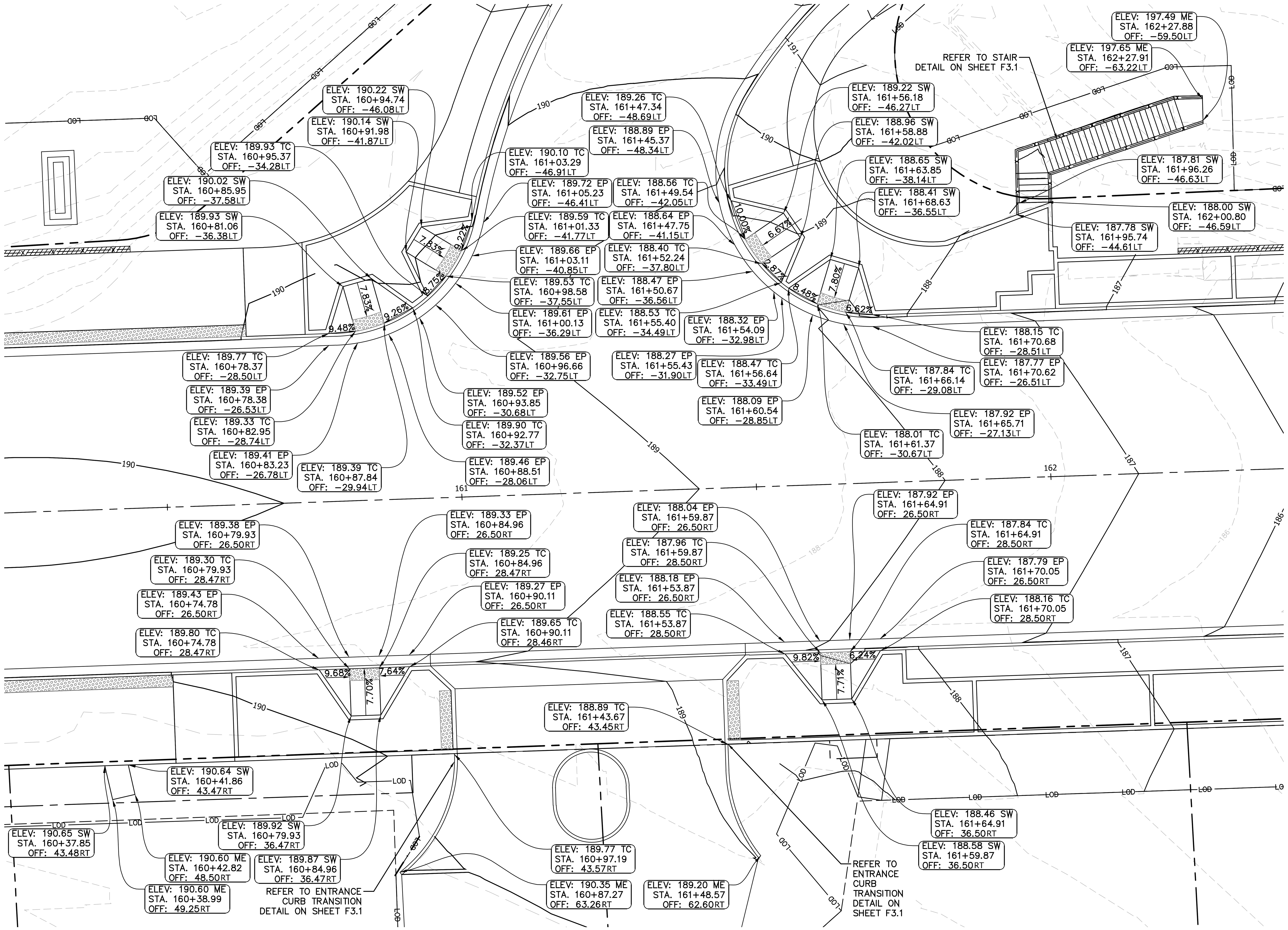
SCALE:	HOR. 1" = 10' VERT. N/A	SHEET:	F7.4.6 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

COLUMBIA PIKE AT S. THOMAS STREET



GRAPHIC SCALE IN FEET
0 5 10 20

LEGEND:

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Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

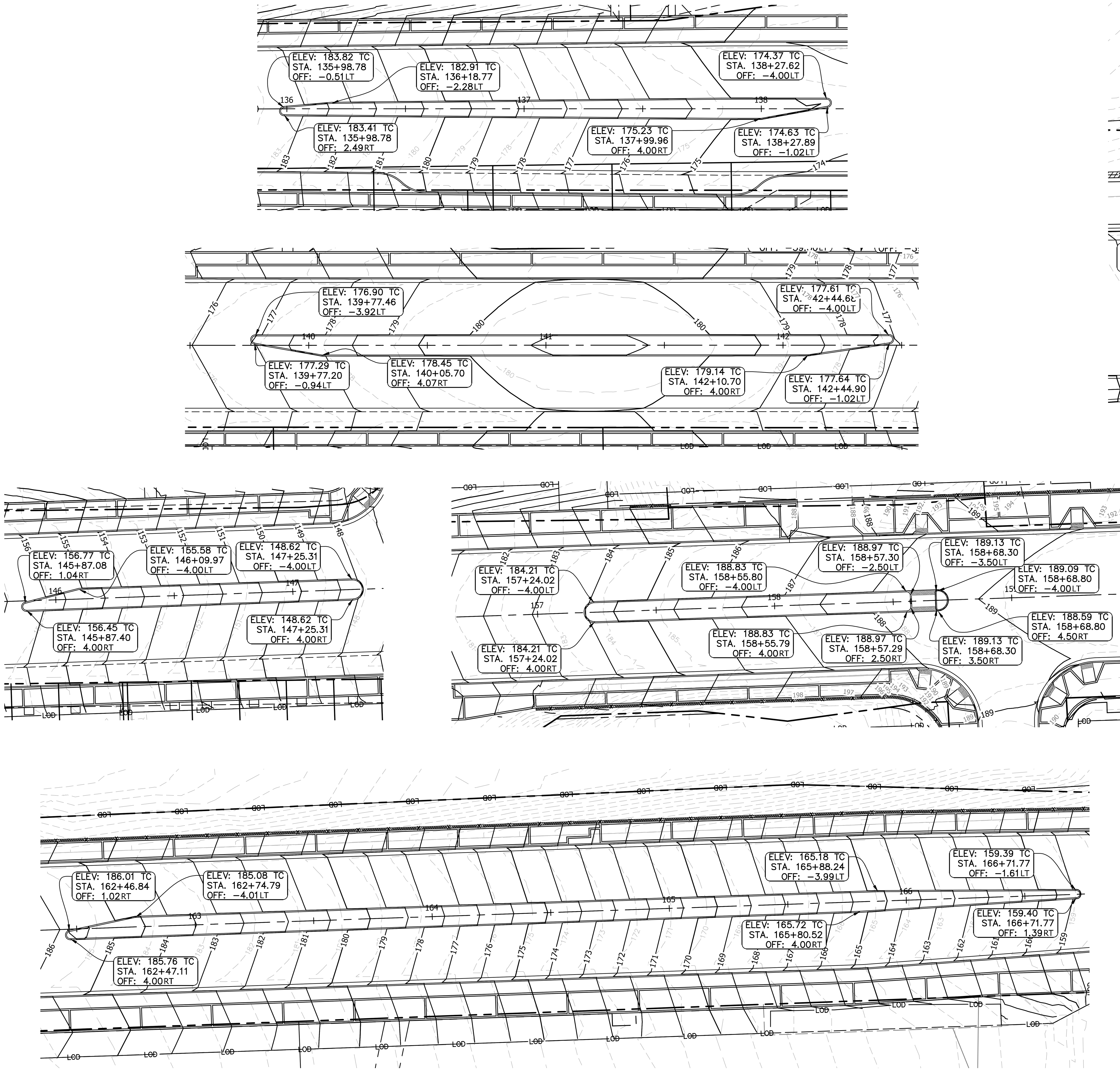
GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE:	HOR. 1" = 10' VERT. N/A	SHEET:	F7.4.7 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES
10/19/2021
APPROVAL DATE

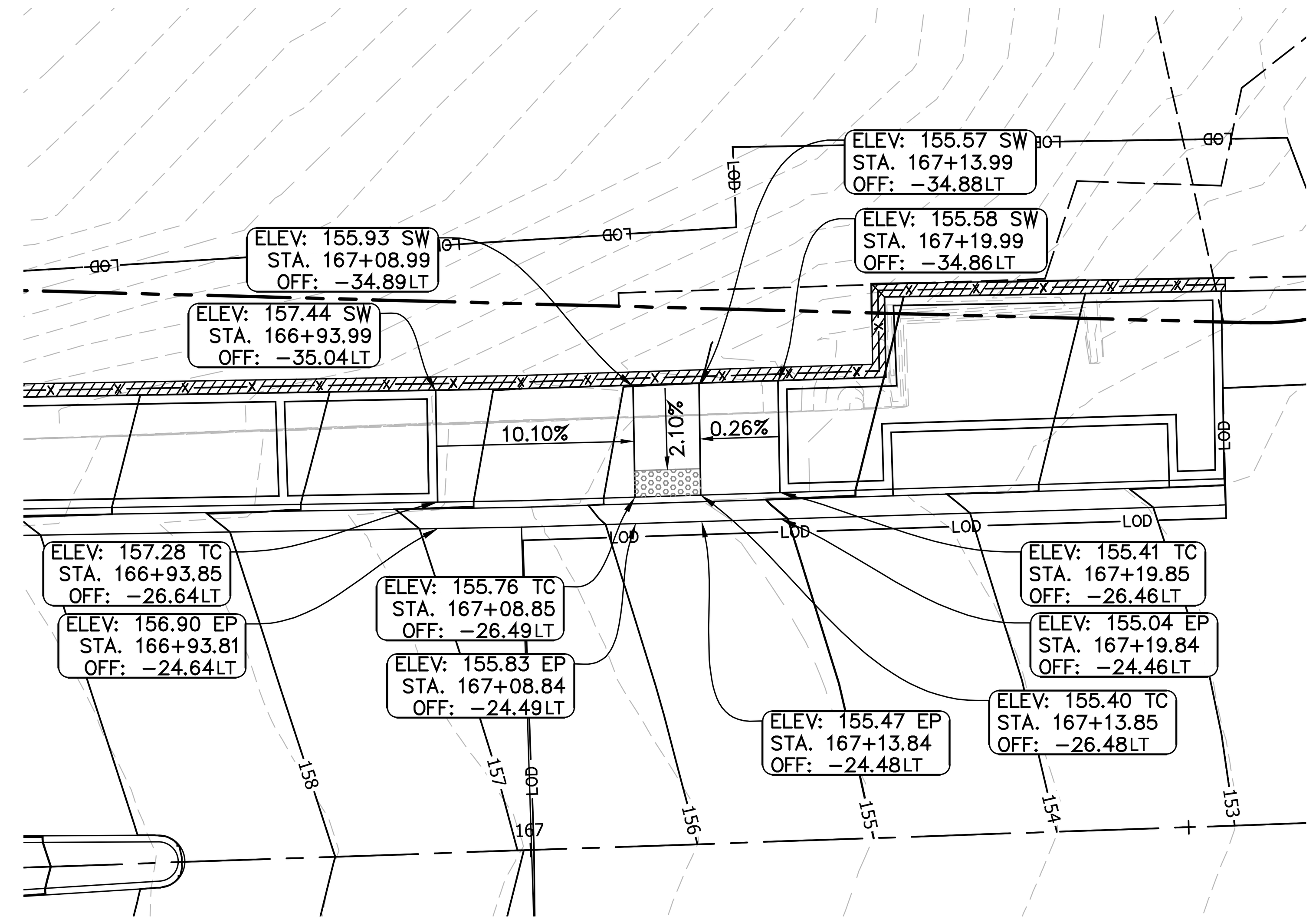
GRAPHIC SCALE IN FEET
0 12.5 25 50

COLUMBIA PIKE MEDIANS



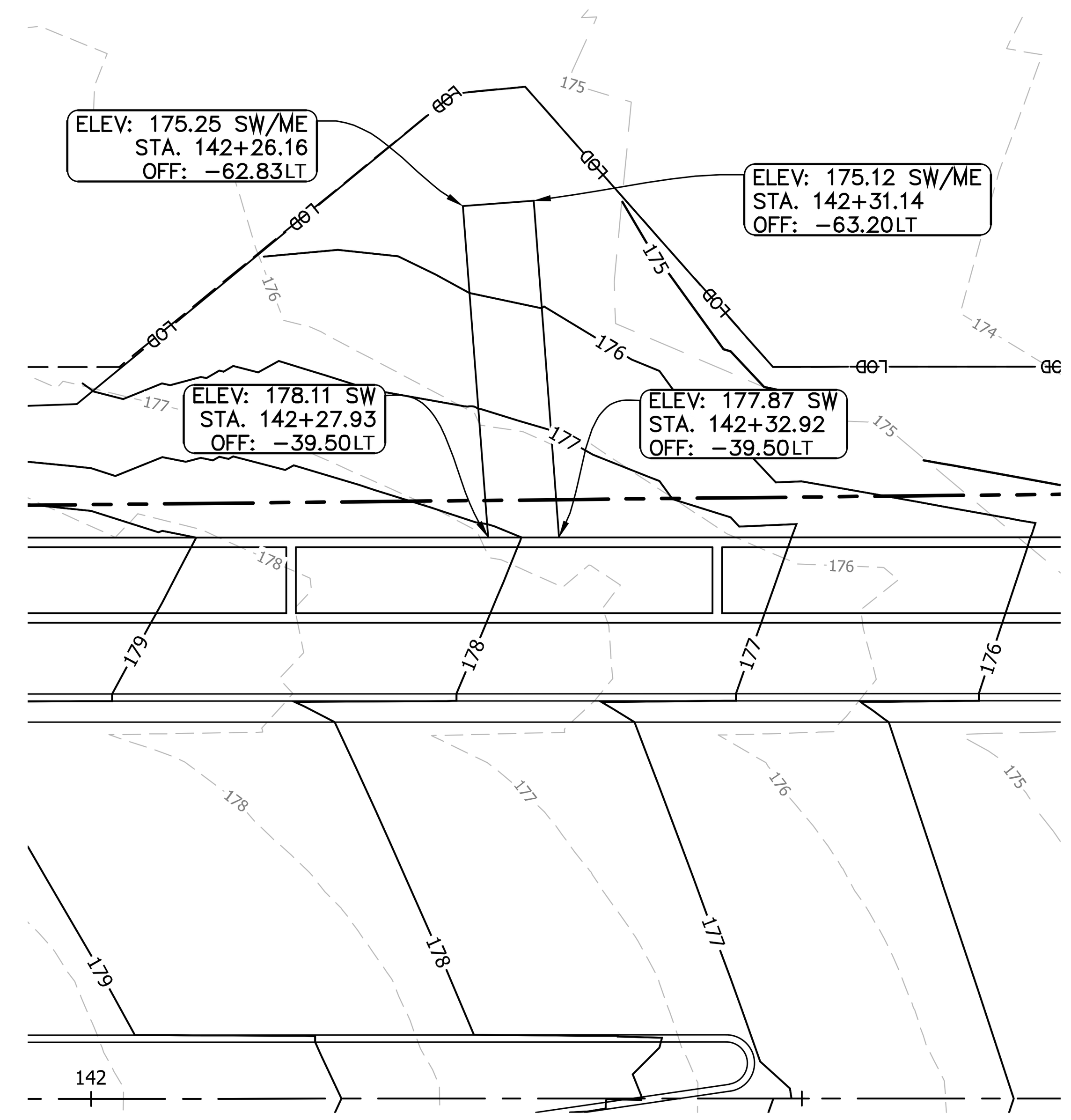
GRAPHIC SCALE IN FEET
0 5 10 20

COLUMBIA PIKE AT S. WAKEFIELD STREET



GRAPHIC SCALE IN FEET
0 5 10 20

STA. 142 WALKWAY



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COMMONWEALTH OF VIRGINIA
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Lic. No. 46643
09/10/2021
PROFESSIONAL ENGINEER

Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
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Plotted: September 10, 2021
Plotted by: Patrick.Husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

GRADING PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. 1" = 10' VERT. N/A | SHEET: F7.4.8 of F7.6

ARLINGTON VIRGINIA | DEPARTMENT OF ENVIRONMENTAL SERVICES
LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES
10/19/2021
APPROVAL DATE

ALIGNMENT DATA
COLUMBIA PIKE (ROUTE 244)

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
C1	33+99.95	35+09.43	34+55.06	16°08’37.61”	14°44’47.17”	388.54	55.10	109.48	7003242.64	11891563.35	7003198.34	11891463.63	254°07’07.82” 237°58’30.21”
L1	35+09.43	35+43.31						33.88	7003198.34	11891463.63	7003180.39	11891434.89	238°00’38.96”
C2	35+43.31	38+42.03	37+04.80	53°59’00.27”	18°04’16.36”	317.06	161.49	298.73	7003180.39	11891434.89	7002929.51	11891293.88	236°19’52.87” 182°20’52.60”
C3	38+42.03	38+90.51	38+66.33	9°15’29.61”	19°05’54.94”	300.00	24.29	48.48	7002929.51	11891293.88	7002881.13	11891295.80	182°20’52.60” 173°05’22.99”
C4	38+90.51	40+30.20	39+60.49	8°52’42.91”	6°21’21.70”	901.44	69.98	139.69	7002881.13	11891295.80	7002744.31	11891323.27	173°05’22.99” 164°12’40.07”
L2	40+30.20	41+50.24						120.04	7002744.31	11891323.27	7002628.80	11891355.93	164°12’39.00”
C5	41+50.24	42+48.01	41+99.19	7°25’10.76”	7°35’19.86”	755.00	48.95	97.77	7002628.80	11891355.93	7002533.26	11891376.37	164°12’39.30” 171°37’50.07”
C6	42+48.01	42+63.06	42+55.54	3°25’54.84”	22°48’11.71”	251.26	7.53	15.05	7002533.26	11891376.37	7002518.35	11891378.42	170°29’08.82” 173°55’03.66”
C7	42+63.06	45+16.92	44+01.80	57°24’29.76”	22°36’49.71”	253.37	138.74	253.86	7002518.35	11891378.42	7002291.83	11891289.42	172°44’42.75” 230°09’12.51”
C8	45+16.92	47+34.67	46+30.37	39°40’29.96”	18°13’13.34”	314.46	113.45	217.75	7002291.83	11891289.42	7002219.18	11891088.74	230°15’42.70” 269°56’12.67”
C9	47+34.67	52+43.63	49+91.86	20°20’46.62”	3°59’51.40”	1433.25	257.19	508.96	7002219.18	11891088.74	7002129.21	11890590.51	269°56’12.98” 249°35’26.36”
L3	52+43.63	56+42.75						399.12	7002129.21	11890590.51	7001990.03	11890216.44	249°35’26.36”
C10	56+42.75	56+86.65	56+64.70	1°44’29.97”	3°58’04.27”	1444.00	21.95	43.89	7001990.03	11890216.44	7001975.35	11890175.08	249°35’26.36” 251°19’56.33”
L4	56+86.65	61+33.31						446.66	7001975.35	11890175.08	7001832.38	11889751.91	251°19’56.33”
L5	61+33.31	68+15.67						682.36	7001832.38	11889751.91	7001605.42	11889108.41	250°34’21.79”
C11	68+15.67	70+23.21	69+19.45	1°51’55.83”	0°53’55.79”	6374.49	103.78	207.55	7001605.42	11889108.41	7001539.59	11888911.59	250°34’21.79” 252°26’17.62”
L6	70+23.21	70+91.92						68.71	7001539.59	11888911.59	7001518.85	11888846.08	252°26’17.62”
C12	70+91.92	73+51.55	72+21.75	2°13’03.66”	0°51’15.09”	6707.60	129.83	259.62	7001518.85	11888846.08	7001435.75	11888600.13	252°26’17.62” 250°13’13.96”
L7	73+51.55	78+45.55						494.01	7001435.75	11888600.13	7001268.57	11888135.27	250°13’13.96”
C13	78+45.55	80+72.31	79+58.94	1°38’53.91”	0°43’36.87”	7882.12	113.39	226.76	7001268.57	11888135.27	7001194.92	11887920.82	250°13’13.96” 251°52’07.86”
L8	80+72.31	83+36.97						264.66	7001194.92	11887920.82	7001112.56	11887669.30	251°52’07.86”
C14	83+36.97	85+06.94	84+21.96	0°59’29.40”	0°35’00.01”	9822.08	84.99	169.97	7001112.56	11887669.30	7001058.27	11887508.24	251°52’07.86” 250°52’38.46”
L9	85+06.94	109+53.49						2446.55	7001058.27	11887508.24	7000256.80	11885196.69	250°52’38.46”
C15	109+53.49	111+53.49	110+53.49	0°04’43.40”	0°02’21.70”	145565.34	100.00	200.00	7000256.80	11885196.69	7000191.15	11885007.77	250°52’38.46” 250°47’55.07”
L10	111+53.49	121+45.23						991.74	7000191.15	11885007.77	6999864.98	11884071.20	250°47’55.07”
L11	121+45.23	142+72.77						2127.53	6999864.98	11884071.20	6999168.02	11882061.06	250°52’38.46”
C16	142+72.77	144+69.81	143+71.30	1°58’13.79”	1°00’00.00”	5729.58	98.53	197.05	6999168.02	11882061.06	6999100.28	11881876.03	250°52’38.46” 248°54’24.67”
L12	144+69.81	175+42.98						3073.17	6999100.28	11881876.03	6997994.29	11879008.78	248°54’24.67”
C17	175+42.98	178+42.98	176+93.29	9°00’00.00”	3°00’00.00”	1909.86	150.31	300.00	6997994.29	11879008.78	6997908.71	11878721.57	248°54’24.67” 257°54’24.67”
L13	178+42.98	178+99.81						56.82	6997908.71	11878721.57	6997896.80	11878666.01	257°54’24.67”
L14	178+99.81	181+77.24						277.43	6997896.80	11878666.01	6997838.68	11878394.73	257°54’24.67”
C18	181+77.24	187+27.43	184+55.77	21°59’54.42”	3°59’53.92”	1433.00	278.53	550.19	6997838.68	11878394.73	6997624.21	11877891.72	257°54’24.67” 235°54’30.25”
L15	187+27.43	188+53.94						126.51	6997624.21	11877891.72	6997553.30	11877786.96	235°54’30.25”
C19	188+53.94	191+86.30	190+20.87	13°19’00.00”	4°00’24.11”	1430.00	166.93	332.36	6997553.30	11877786.96	6997400.52	11877492.63	235°54’30.25” 249°13’30.25”
L16	191+86.30	200+22.24						835.94	6997400.52	11877492.63	6997104.02	11876711.05	249°13’30.25”
L17	200+22.24	202+52.02						229.78	6997104.02	11876711.05	6997020.42	11876497.01	248°39’58.72”
L18	202+52.02	207+81.43						529.41	6997020.42	11876497.01	6996832.46	11876002.09	249°12’14.65”
C20	207+81.43	212+59.96	210+22.58	17°31’10.02”	3°39’39.86”	1565.00	241.15	478.53	6996832.46	11876002.09	6996733.06	11875535.90	249°12’14.65” 266°43’24.67”
L19	212+59.96	215+74.15						314.19	6996733.06	11875535.90	6996715.10	11875222.23	266°43’24.67”
C21	215+74.15	222+69.15	219+32.71	34°45’00.00”	5°00’00.00”	1145.92	358.56	695.00	6996715.10	11875222.23	6996473.73	11874581.81	266°43’24.67” 231°58’24.67”

SEGMENT F

ARLINGTON
VIRGINIA

DEPARTMENT OF
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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	

Revisions	Date

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

Filename: 010073-F-GEOM.dwg
Path: K:\NVA_RDWY\110010073 Columbia Pike Multimodal\Production\Task 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

ALIGNMENT TABLES
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. N/A VERT. N/A
SHEET: F7.5 of F7.6

ARLINGTON
VIRGINIA
DEPARTMENT OF
ENVIRONMENTAL SERVICES

LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

ALIGNMENT DATA
ALIGN-SEGF-SOAKLAND

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L212	14+00.00	19+68.84						568.84	6999951.12	11882583.33	6999416.09	11882776.54	160°08'35.78"

ALIGNMENT DATA
ALIGN-SEGF-SQUINCY-NORTH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L213	20+39.25	25+72.18						532.93	6999119.77	11881927.28	6999621.01	11881746.26	340°08'35.78"

ALIGNMENT DATA
ALIGN-SEGF-SQUINCY-SOUTH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L214	13+00.00	17+15.48						415.48	6998415.85	11882103.44	6998805.68	11881959.73	339°45'50.17"
C135	17+15.48	18+43.33	17+81.68	36°37'40.00"	28°38'52.40"	200.00	66.20	127.86	6998805.68	11881959.73	6998931.30	11881955.51	339°45'50.17" 16°23'30.17"
C136	18+43.33	19+71.21	19+09.54	36°38'03.78"	28°38'52.40"	200.00	66.21	127.88	6998931.30	11881955.51	6999056.94	11881951.29	16°23'30.17" 339°45'26.38"
L215	19+71.21	20+38.47						67.26	6999056.94	11881951.29	6999120.04	11881928.02	339°45'26.38"

ALIGNMENT DATA
ALIGN-SEGF-SQUEBEC-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L216	0+00.00	3+37.35						337.35	6998997.21	11881608.84	6998681.25	11881727.04	159°29'17.82"

ALIGNMENT DATA
ALIGN-SEGF-SRANDOLPH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L217	0+00.00	8+00.00						800.00	6998959.76	11881511.75	6999695.77	11881198.23	336°55'36.50"

ALIGNMENT DATA
ALIGN-SEGF-SGEORGE MASON-NORTH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L218	25+24.69	26+32.43						107.74	6998835.11	11881188.59	6998916.51	11881118.02	319°04'28.50"
C137	26+32.43	28+30.04	27+32.13	18°45'08.00"	9°29'21.68"	603.79	99.70	197.61	6998916.51	11881118.02	6999084.17	11881015.08	319°04'28.50" 337°49'36.50"
L219	28+30.04	36+99.82						869.78	6999084.17	11881015.08	6999889.62	11880686.82	337°49'36.50"

ALIGNMENT DATA
ALIGN-SEGF-SGEORGE MASON-SOUTH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L220	15+36.30	20+05.03						468.73	6997905.21	11881471.76	6998367.74	11881395.85	350°40'45.91"
C138	20+05.03	24+31.20	22+21.27	23°55'40.00"	5°36'52.53"	1020.48	216.24	426.17	6998367.74	11881395.85	6998761.97	11881242.27	350°40'45.91" 326°45'05.91"
L221	24+31.20	25+20.77						89.57	6998761.97	11881242.27	6998836.87	11881193.16	326°45'05.91"

ALIGNMENT DATA
ALIGN-SEGF-STAYLOR-NORTH-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L222	0+00.00	7+84.73						784.73	6998587.13	11880545.69	6999313.47	11880248.67	337°45'32.63"

ALIGNMENT DATA
ALIGN-SEGF-P-STHOMAS-073

CURVE/LINE NUMBER	BEGIN STATION	END STATION	PI STATION	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)	AZIMUTH
L223	0+00.00	0+21.45						21.45	6998506.47	11880336.59	6998486.49	11880344.40	158°39'00.31"
C139	0+21.45	1+09.59	0+68.62	50°30'06.53"	57°17'44.81"	100.00	47.16	88.14	6998486.49	11880344.40	6998401.37	11880338.59	158°39'00.31" 209°09'06.84"
L224	1+09.59	2+43.45						133.85	6998401.37	11880338.59	6998284.47	11880273.39	209°09'06.84"

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SCALE: HOR. N/A VERT. N/A
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