

SUMMARY OF LIGHT POLE DETAILS

SHEET NO.	LIGHT POLE LABEL	STREETLIGHT POLE ID#	POLE TYPE	FOUNDATION	CHAIN	STN	OFFSET (FEET)	DIRECTION (NORTH/SOUTH)
C15.7	LP86	CBP1702S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	73+14.18	25.5	SOUTH
C15.7	LP89	CBP1804S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	76+21.80	27.0	SOUTH
C15.7	LP90	CBP1806S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	77+11.79	29.5	SOUTH
C15.7	LP91	CBP1808S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	78+23.46	31.0	SOUTH
C15.8	LP94	CBP1902S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	80+26.92	31.0	SOUTH
C15.8	LP95	CBP1904S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	STANDARD	COLUMBIA PIKE	81+13.35	34.0	SOUTH
C15.8	LP96	CBP1906S	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED*	N/A	COLUMBIA PIKE	81+68.92	28.3	SOUTH
C15.8	LP97	CBP1908S	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE**	SHALLOW	COLUMBIA PIKE	81+79.78	31.0	SOUTH
C15.8	LP98	CBP1910S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	82+69.81	31.0	SOUTH
C15.9	LP99	CBP1912S	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED*	N/A	COLUMBIA PIKE	84+07.81	38.1	SOUTH
C15.9	LP100	CBP1914S	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE**	SHALLOW	COLUMBIA PIKE	84+06.02	31.0	SOUTH
C15.9	LP101	CBP1916S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	85+26.35	31.0	SOUTH
C15.9	LP102	CBP2002S	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED*	N/A	COLUMBIA PIKE	86+39.27	39.3	SOUTH
C15.9	LP103	CBP2004S	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE**	SHALLOW	COLUMBIA PIKE	86+46.35	31.0	SOUTH
C15.9	LP104	CBP2006S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	STANDARD	COLUMBIA PIKE	87+60.33	31.0	SOUTH
C15.7	LP105	CBP1701S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	STANDARD	COLUMBIA PIKE	73+57.97	27.1	NORTH
C15.7	LP106	CBP1703S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	74+93.34	27.3	NORTH
C15.7	LP107	CBP1801S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	75+54.25	28.0	NORTH
C15.7	LP108	CBP1803S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	STANDARD	COLUMBIA PIKE	76+41.75	27.0	NORTH
C15.7	LP109	CBP1805S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	77+68.25	31.0	NORTH
C15.8	LP110	CBP1807S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	78+97.60	31.0	NORTH
C15.8	LP115	CBP1905S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	STANDARD	COLUMBIA PIKE	81+53.10	31.0	NORTH
C15.8	LP116	CBP1907S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	82+19.23	31.0	NORTH
C15.9	LP117	CBP1909S	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE**	SHALLOW	COLUMBIA PIKE	83+46.25	31.0	NORTH
C15.9	LP118	CBP1911S	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED*	N/A	COLUMBIA PIKE	83+75	30.4	NORTH
C15.9	LP119	CBP1913S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	84+63.17	31.0	NORTH
C15.9	LP120	CBP1915S	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE**	SHALLOW	COLUMBIA PIKE	85+79.72	31.0	NORTH
C15.9	LP121	CBP2003S	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED*	N/A	COLUMBIA PIKE	86+99.79	29.8	NORTH
C15.9	LP122	CBP2001S	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE**	STANDARD	COLUMBIA PIKE	86+89.5	30.5	NORTH

- NOTES:
 1. REFERENCE POINT OF LIGHT POLES IS THE CENTER OF THE POLE
 2. *INCLUDES REMOVING POLE, REMOVING AND RESTORING POLE FOUNDATION, REMOVING AND RESTORING/INSTALLING 45Y.
 3. ** FURNISH AND INSTALL STANDARD OR SHALLOW FOUNDATION FOR CARLYLE POLE.

LUMINAIRE SCHEDULE

Description	Watts	Type	CCT	Lumens	Pole Height	Color of Poles	LLF
Arlington County Standard LED Double Carlyle Light	69	V	4000K	8641	16'	Black	0.90

Columbia Pike Photometric (Illuminance in footcandles) Comparison for Segment C

Facility	Target		Proposed		Requirements Met?	
	Avg	Avg/Min	Avg	Min		
Signalized Intersection						
Int_Roife	1.7	4.0	1.9	1.0	Yes	
Int_Scott_1	1.7	4.0	1.9	1.0	Yes	
Int_Scott_2	1.7	4.0	1.7	0.8	Yes	
Crosswalk	1.4	4.0				
CW_Roife_N			2.3	2.0	1.2	Yes
CW_Roife_NS			2.4	1.8	1.3	Yes
CW_Roife_S			1.4	1.1	1.2	Yes
CW_Scott_Median			1.8	1.2	1.5	Yes
CW_Scott_N			0.9	0.6	1.6	No
CW_Scott_S			1.7	1.3	1.3	Yes
Sidewalk	0.8	4.0	1.5	0.3	4.9	No
Roadway	1.4	4.0				
RW_Quinn_to_Roife			2.2	1.5	1.5	Yes
RW_Roife_to_Scott			1.6	0.6	2.7	Yes
RW_Scott_to_Courthouse			1.3	0.4	3.1	No



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Seal



Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions _____ Date _____

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

Filename: 010073-C-LITE-01-SUMMARIES.dwg
 Path: Z:\NVA_2020\1100\001 Columbia Pike Multimodal\Production\Task
 Design\PlatSum
 Plotted: September 30, 2022
 Plotted by: Ted.DeLio

ARLINGTON COUNTY, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

LIGHTING SUMMARIES
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C

SCALE: HOR. N/A VERT. N/A SHEET: C15.1 of C15.9

ARLINGTON VIRGINIA

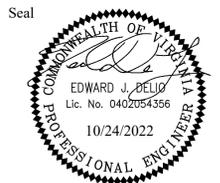
Ted DeLio
 BUREAU CHIEF, DES - DEVELOPMENT SERVICES

DEPARTMENT OF ENVIRONMENTAL SERVICES
 11/15/2022
 APPROVAL DATE

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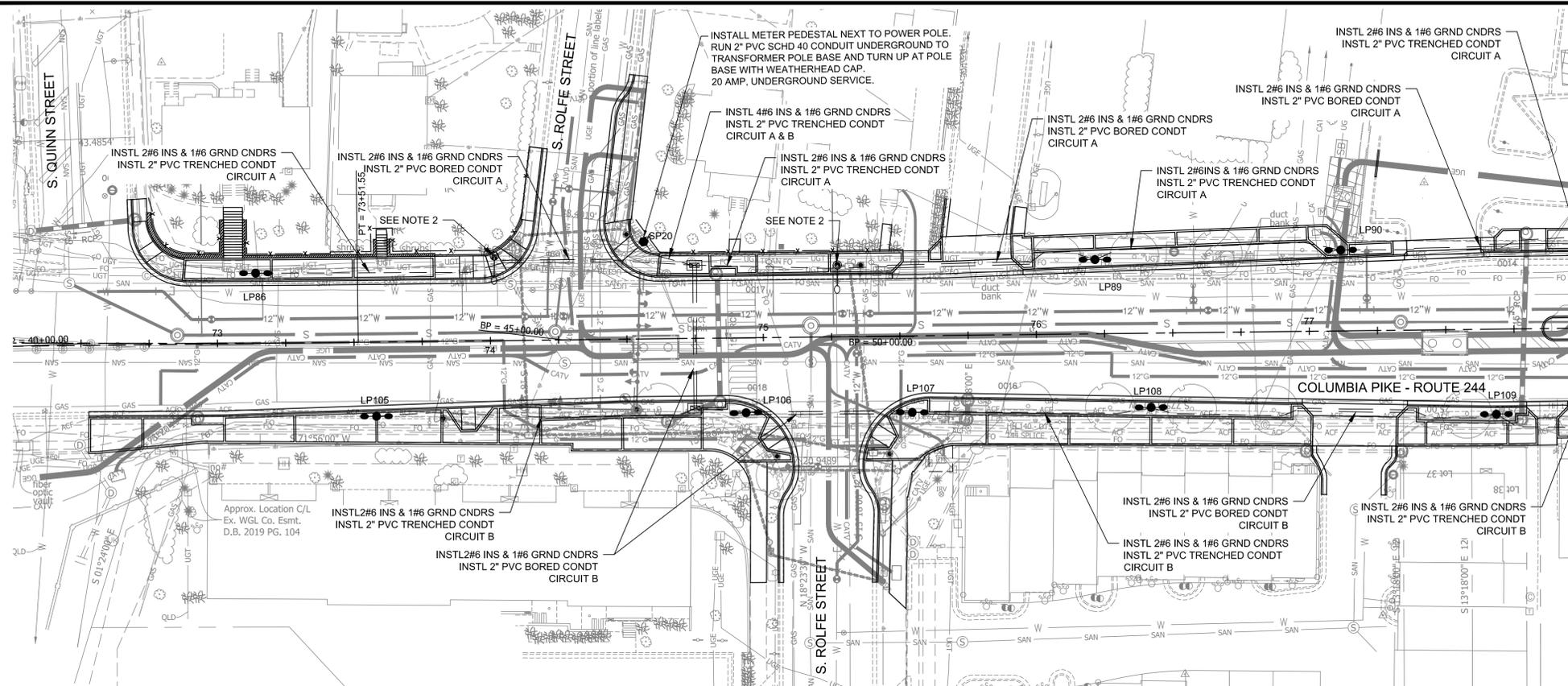
Approvals	Date
Design Team Engineer Supervisor	
Construction Management Supervisor	
Water, Sewer, Streets Bureau Chief	
Transportation Director	
Project Manager	

Revisions	Date

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

Filename: 010073-C-LITE-02-SUMMARIES.dwg
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Plotted: October 24, 2022
Plotted by: Miguel.Tyshing

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	
LIGHTING SUMMARIES COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT C	
SCALE: HOR. N/A VERT. N/A	SHEET:



MATCHLINE STA: 78+00 - SEE SHEET C15.6

LEGEND	
	PROPOSED DOUBLE CARLYLE LED ON NEW LIGHT POLE
	EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE
	EXISTING DOUBLE CARLYLE LED TO REMAIN
	PROPOSED LED ON PED POLE
	PROPOSED SINGLE CARLYLE LED ON NEW LIGHT POLE
	EXISTING CARLYLE LIGHT POLE TO BE REMOVED/RELOCATED
	PROPOSED TEARDROP ON SIGNAL POLE
	EXISTING SINGLE PHASE ELECTRICAL SERVICE
	PROPOSED 200 AMPS SINGLE PHASE ELECTRICAL SERVICE
	PROPOSED QUAZITE JUNCTION BOX
	PROPOSED 2" SCHD 40 PVC CONDUIT
	PROPOSED 2" SCHD 40 PVC BORED CONDUIT

- NOTES**
- PROPOSED LEDS ON PED POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.
 - LUMINAIRES ON TRAFFIC SIGNAL POLES ARE QUANTIFIED IN TRAFFIC SIGNAL PLANS.

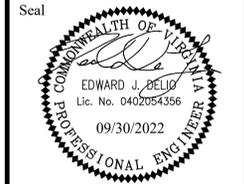
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Approvals _____ Date _____

Design Team Engineer Supervisor _____

Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

Transportation Director _____

Project Manager _____

Revisions	Date

Designed: BCA
 Drawn: BCA
 Checked: EJD
 Miss Utility Transmittal #: _____

Filename: 010073-C-LITE-07-LAYOUT.dwg
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 Plotted: September 30, 2022
 Plotted by: Ted.DeLio

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 DEPARTMENT OF ENVIRONMENTAL SERVICES

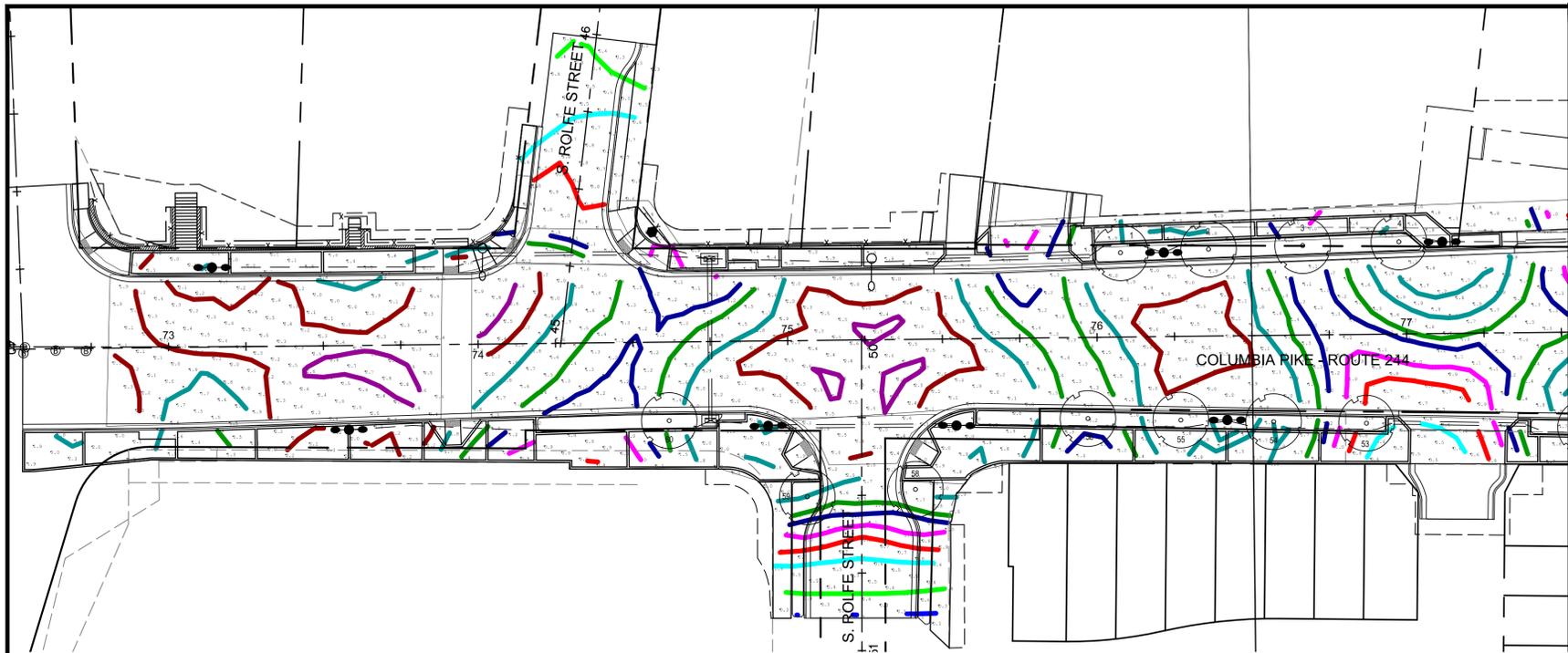
STREET LIGHTING PLAN
 COLUMBIA PIKE - ROUTE 244
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
 SEGMENT C
 STA. 72+25 TO STA. 78+00

SCALE: HOR. 1" = 25' VERT. N/A SHEET: C15.5 of C15.9

DEPARTMENT OF ENVIRONMENTAL SERVICES

LUIS ARAYA
 BUREAU CHIEF, DES. DEVELOPMENT SERVICES

11/15/2022
 APPROVAL DATE



MATCHLINE STA: 75+50

PHOTOMETRIC LEGEND

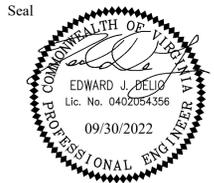
VALUE (FC)	COLOR	VALUE (FC)	COLOR
0.2	Black	1.2	Dark Blue
0.3	Blue	1.4	Green
0.4	Light Green	1.8	Cyan
0.6	Cyan	2.2	Red
0.8	Red	2.6	Purple
1.0	Magenta	3.0	Olive

LEGEND

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- EXISTING DOUBLE CARLYLE LED ON RELOCATED POLE
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Construction Management Supervisor _____

Water, Sewer, Streets Bureau Chief _____

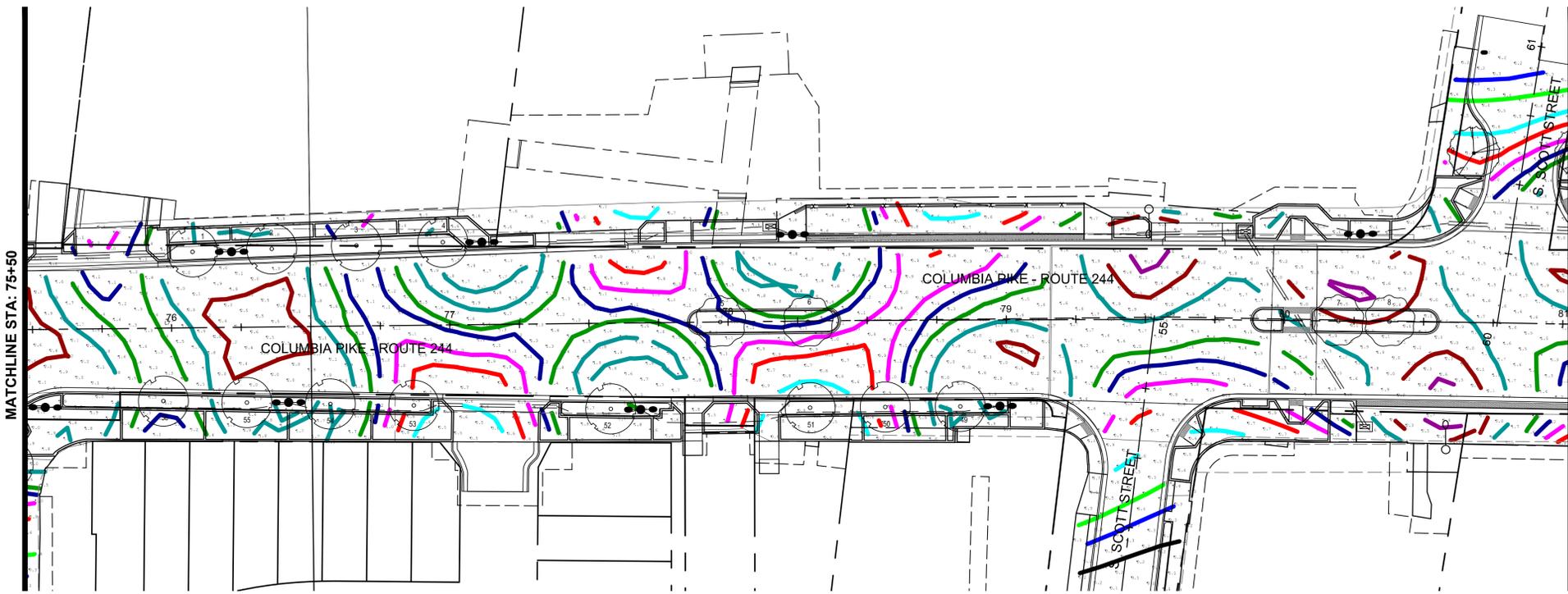
Transportation Director _____

Project Manager _____

Revisions _____ Date _____

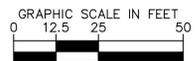
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 Drawn: BCA
 Checked: EJD
 Miss Utility Transmittal #: _____

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 Design\Photos\010073-C-PHOTO.dwg
 Plotted: September 30, 2022
 Plotted by: Ted.DeLio



MATCHLINE STA: 75+00

MATCHLINE STA: 81+00 - SEE SHEET C15.9



ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES		
PHOTOMETRIC PLAN COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT C STA. 72+50 TO STA. 81+00		
SCALE:	HOR. 1" = 10' VERT. N/A	SHEET: C15.8 of C15.9

