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**ARLINGTON  
VIRGINIA**

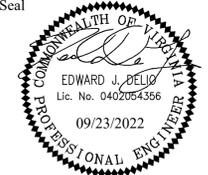
DEPARTMENT OF  
ENVIRONMENTAL SERVICES

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

**Kimley»Horn**  
Kimley-Horn  
and Associates, Inc.

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11400 Commerce Park Drive, Suite 400  
Reston, Virginia 20191  
Phone: 703-874-1500  
Fax: 703-874-1500

Seal



Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

Designed: \_\_\_\_\_  
Drawn: \_\_\_\_\_  
Checked: KWA  
Miss Utility Transmittal #: \_\_\_\_\_

Filename: 010073-D-LAND.dwg  
Path: C:\NVA\_2020\11400\01 Columbia Pike Multimodal\Production\Task  
11 - Final Design of Columbia Pike Segments\Segment D\11.2 - 100%  
Design\PlanSheet  
Plotted: September 23, 2022  
Plotted by: Miguel.Tyshing

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

LANDSCAPE CONSERVATION PLAN  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D  
STA. 108+00 TO STA. 113+00

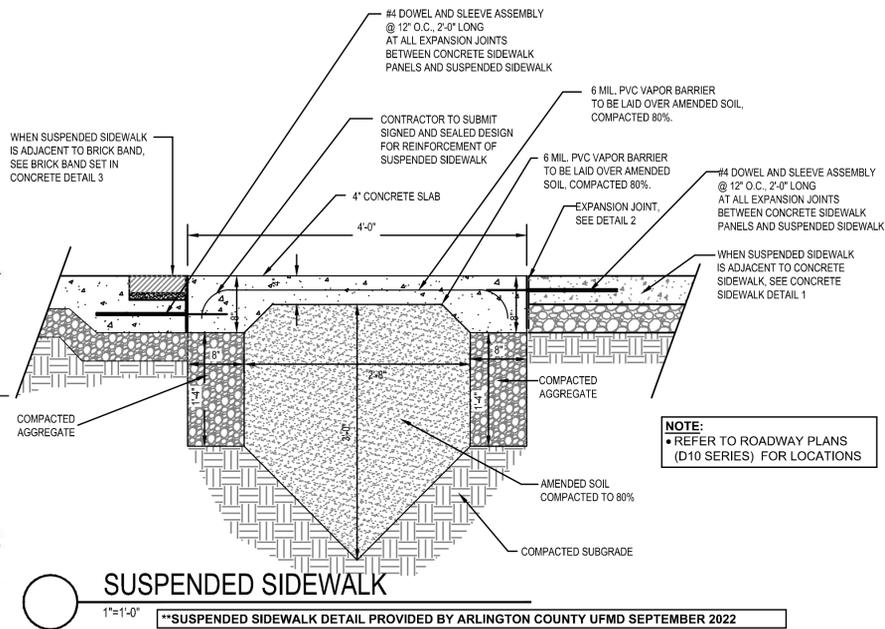
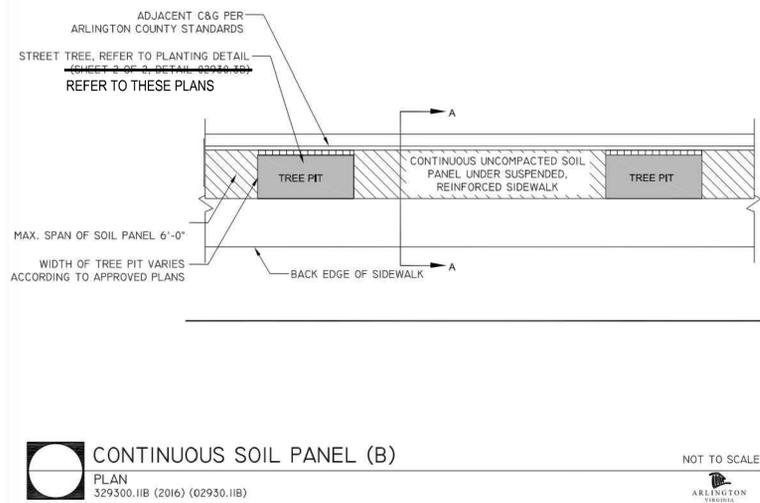
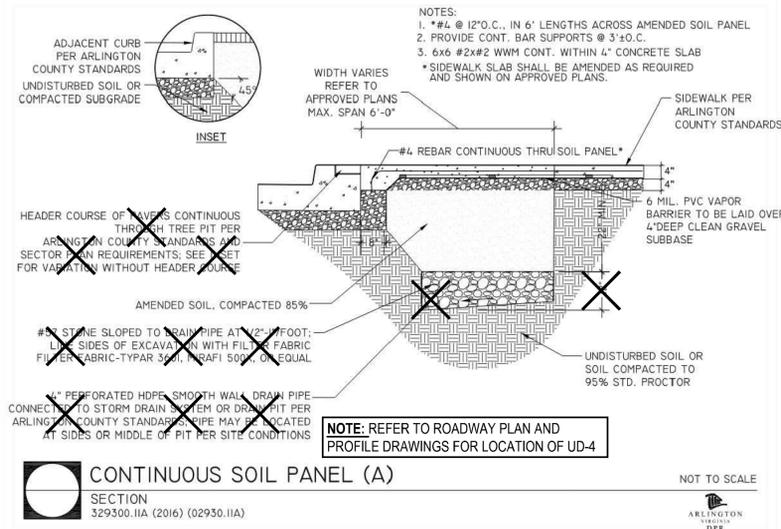
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DEPARTMENT OF  
ENVIRONMENTAL SERVICES

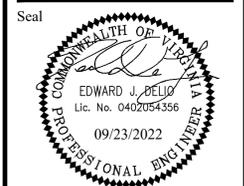
3/7/2023  
APPROVAL DATE





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DEPARTMENT OF ENVIRONMENTAL SERVICES  
Facilities & Engineering Division  
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Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

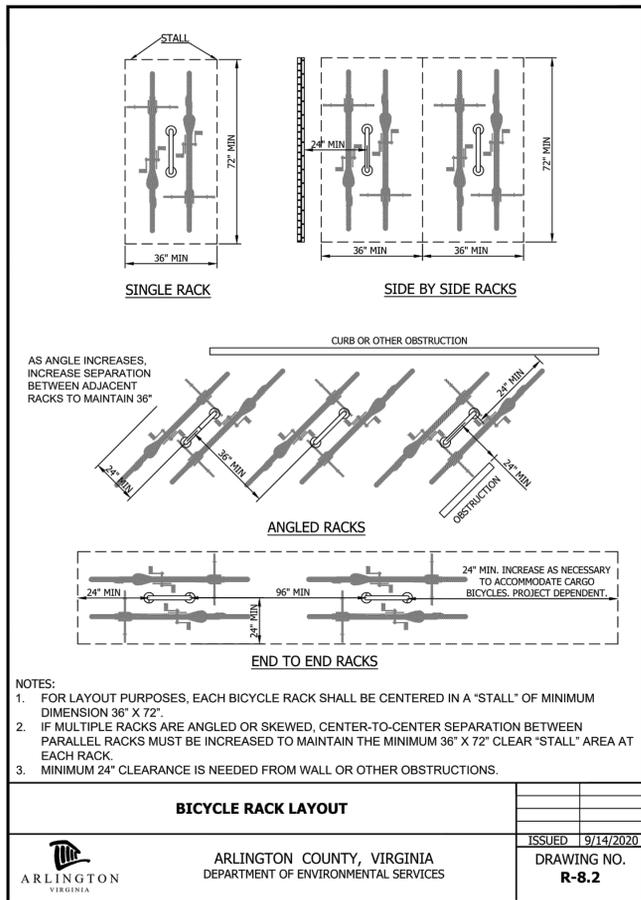
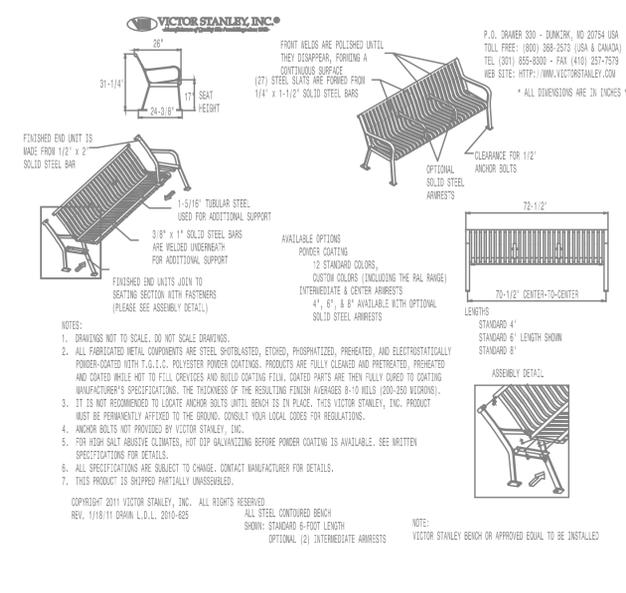
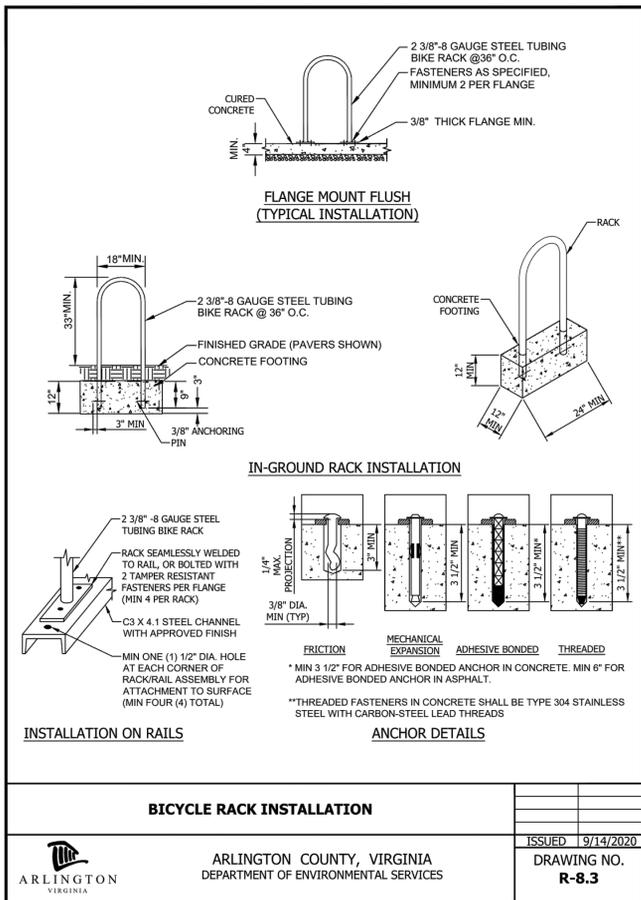
Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

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Drawn: WDW  
Checked: KWA  
Miss Utility Transmittal #:

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Path: C:\Users\KWA\Documents\Projects\010073-D-LAND-DTL.dwg  
Plotted: September 23, 2022  
Plotted by: Miguel Tyshing



ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

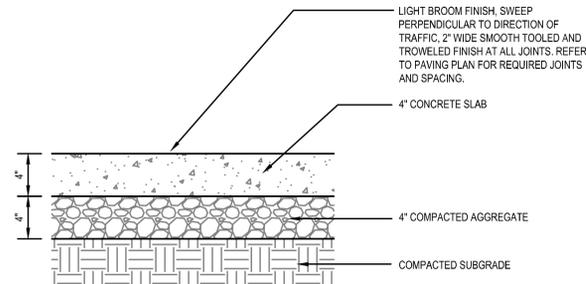
LANDSCAPE DETAILS  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D

SCALE: HOR. N/A VERT. N/A SHEET: D14.6 of D14.14

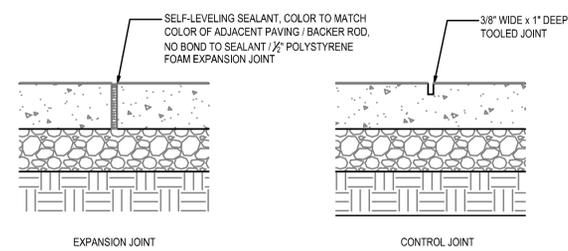
1 BICYCLE RACK  
NTS

2 BENCH  
NTS

3 ANGLED BIKE RACK LAYOUT  
NTS

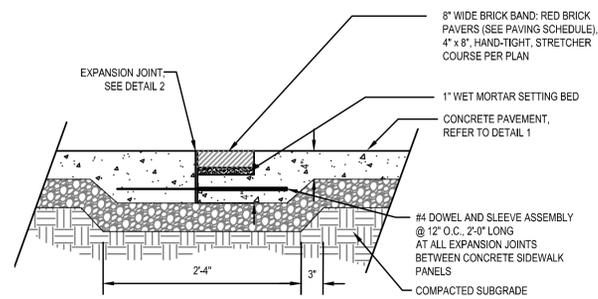


**1 CONCRETE PAVEMENT (SIDEWALKS)**  
Scale: 1 1/2"=1'-0"

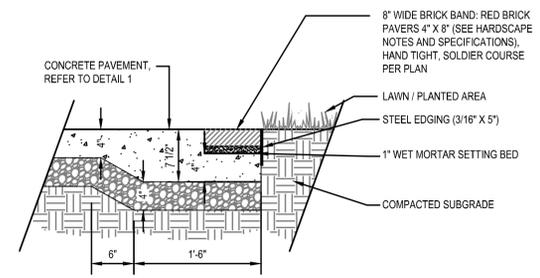


- NOTES:
- CONTROL JOINTS SHALL BE PROVIDED APPROX. 4'-0" O.C.
  - EXPANSION JOINTS SHALL BE PROVIDED @ 30' INTERVALS MAX. AND AT MEETING OF ALL PAVEMENTS, WALLS, STEPS, VERTICAL SURFACES, ETC...
  - 1/4" RADIUS ON ALL TOOLED EDGES.
  - EXPANSION JOINTS FLUSH WITH FINISH GRADE OF WALK.
  - SMOOTH TROWELED FINISH AT ALL EDGES AND JOINTS

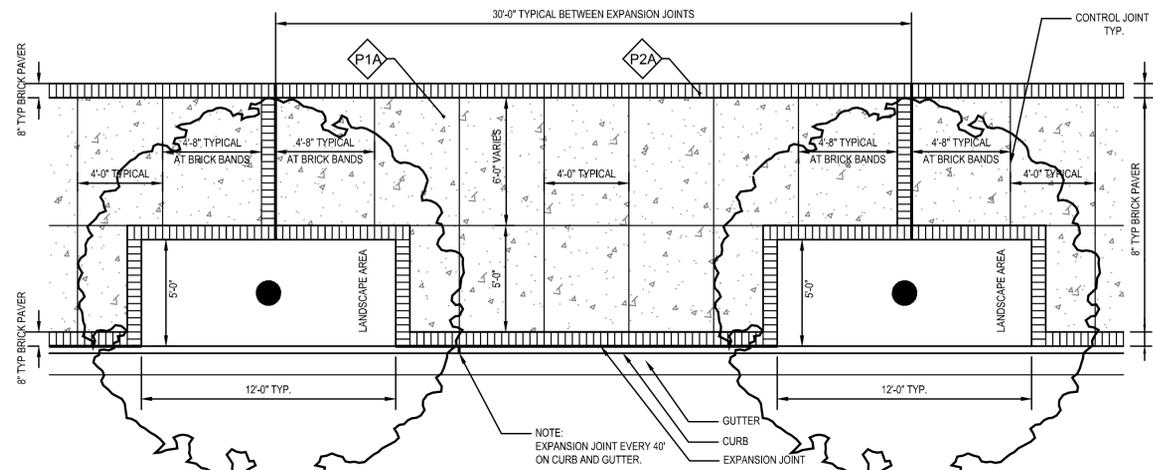
**2 CONCRETE PAVING JOINTS**  
Scale: 1 1/2"=1'-0"



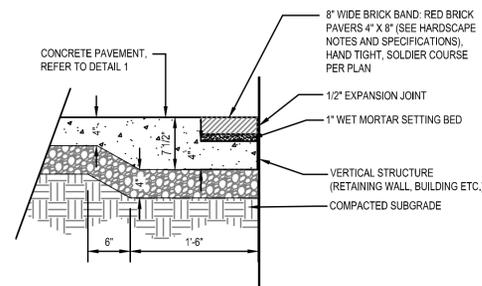
**3 BRICK BAND SET IN CONCRETE**  
1"=1'-0"



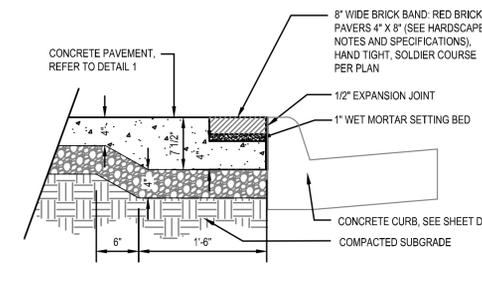
**4 BRICK BAND AT LAWN**  
1"=1'-0"



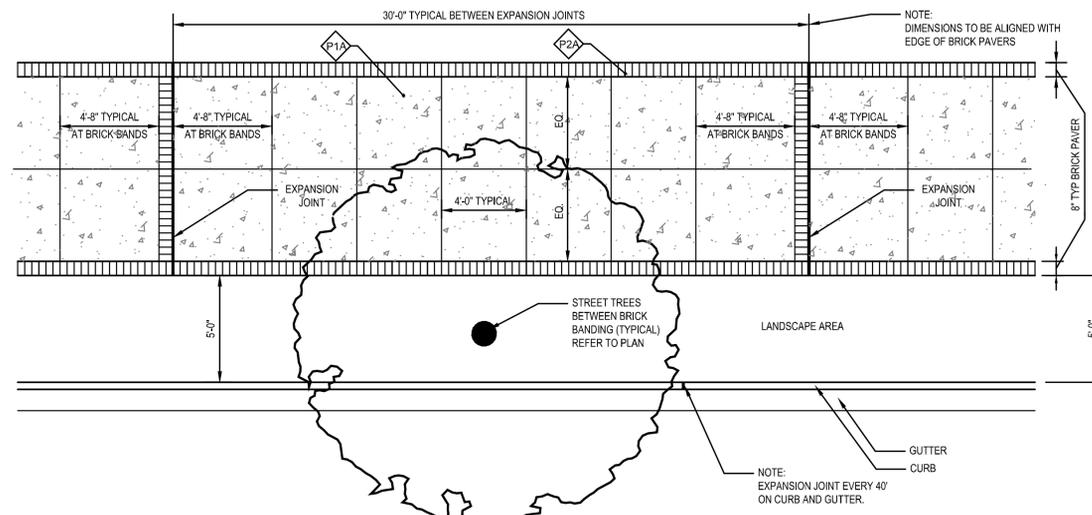
**5 TYPICAL PAVING AT TREE PIT**  
SCALE: 1/4" = 1'-0"



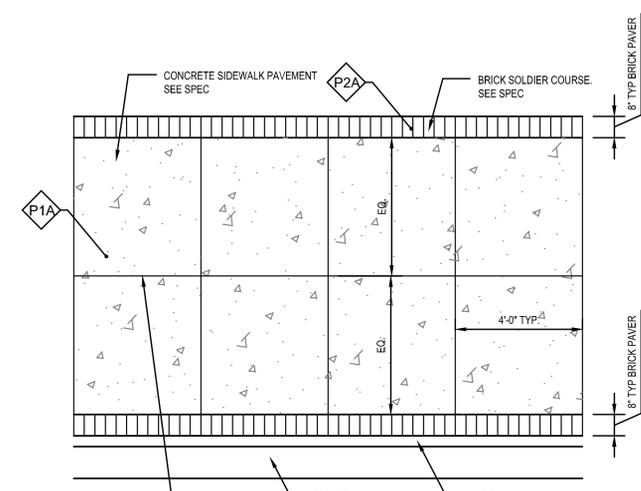
**6 BRICK BAND AT VERTICAL STRUCTURE**  
1"=1'-0"



**7 BRICK BAND AT CURB**  
1"=1'-0"



**8 TYPICAL PAVING AT CONTINUOUS TREE PIT**  
SCALE: 1/4" = 1'-0"



**9 SIDEWALK PAVING (TYP.)**  
SCALE: 3/8" = 1'-0"

NOTE:  
SEE SHEET D14.7.1 FOR PAVING SCHEDULE

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

**LANDSCAPE DETAILS**  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D

SCALE: HOR. 1" = 25' VERT. 1" = 5' SHEET: D14.7 of D14.14

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DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division  
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Seal

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

Revisions	Date

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Drawn: WDW  
Checked: KWA  
Miss Utility Transmittal #:

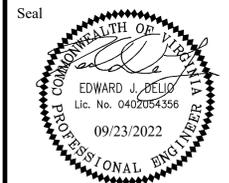
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Plotted: September 23, 2022  
Plotted by: Miguel.Tyshing

**ARLINGTON VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL SERVICES

*Miguel Tyshing*  
MIGUEL TYSHING  
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

3/7/2023  
APPROVAL DATE



Seal

Approvals \_\_\_\_\_ Date \_\_\_\_\_  
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 Construction Management Supervisor \_\_\_\_\_  
 Water, Sewer, Streets Bureau Chief \_\_\_\_\_  
 Transportation Director \_\_\_\_\_  
 Project Manager \_\_\_\_\_

Revisions	Date

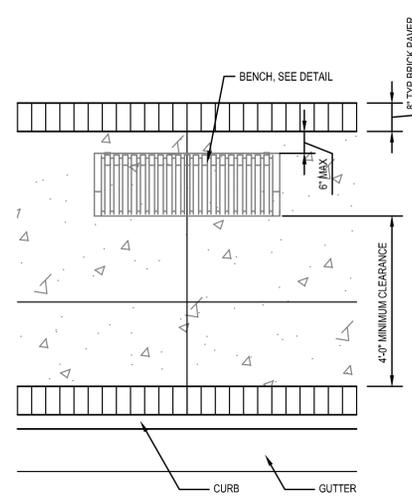
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 Design\PlanSheet  
 Plotted: September 23, 2022  
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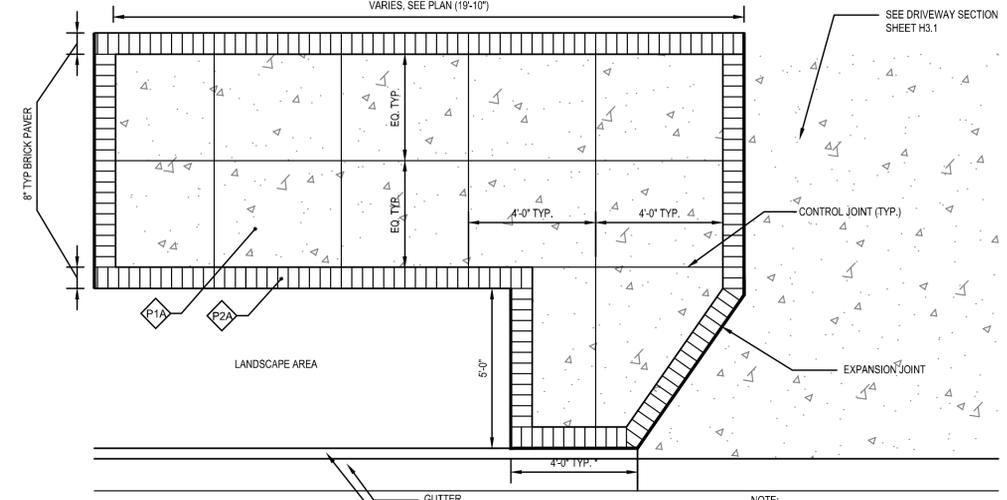
ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

LANDSCAPE DETAILS  
 COLUMBIA PIKE - ROUTE 244  
 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
 SEGMENT D

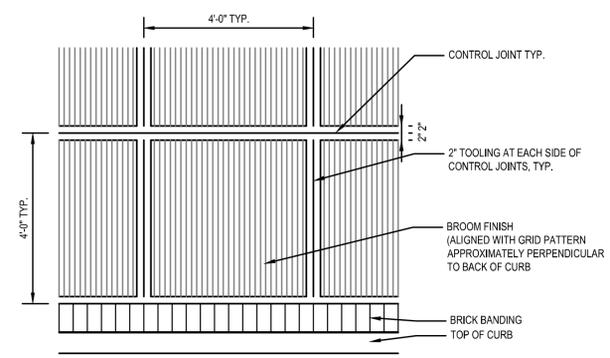
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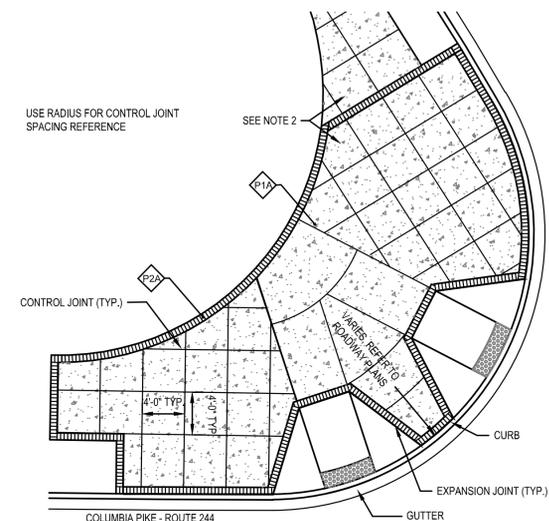
**1** TYPICAL BENCH LOCATION  
 1/2"=1'-0"



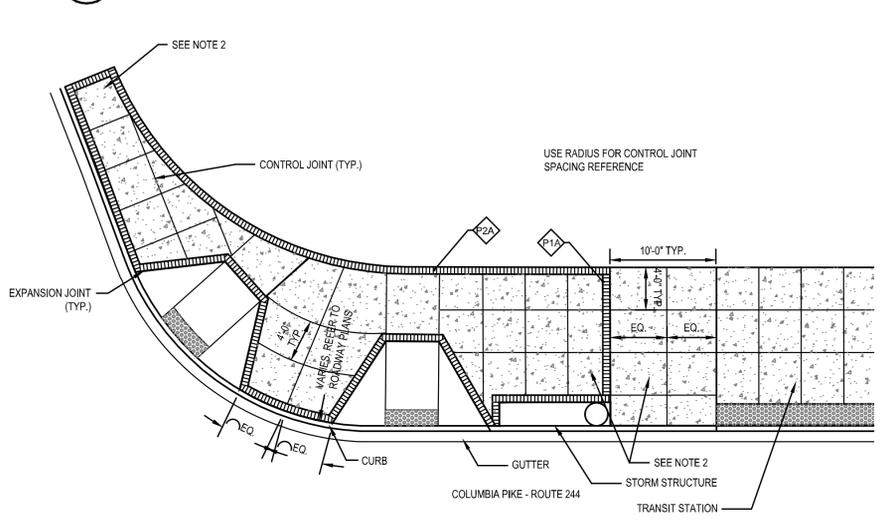
**2** TYPICAL PAVING AT DRIVEWAY  
 SCALE: 3/8" = 1'-0"



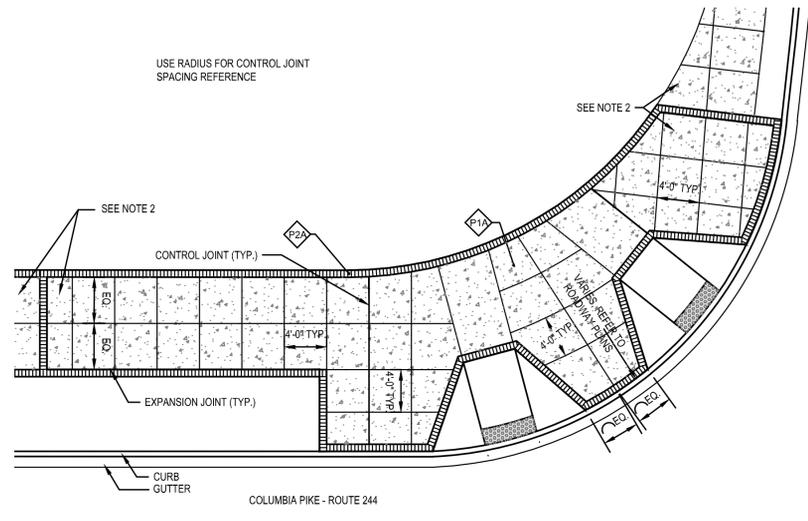
**3** TYPICAL TOOLING DETAIL  
 1/2"=1'-0"



**4** TYPICAL PAVING AT RAMP  
 1/8"=1'-0"



**5** TYPICAL PAVING AT RAMP  
 1/8"=1'-0"

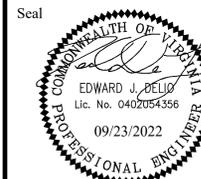


**6** TYPICAL PAVING AT RAMP  
 1/8"=1'-0"

- NOTE:
- CONTROL JOINTS BETWEEN RAMPS TO BE OFFSET FROM BACK OF CURB RADIUS
  - CONTROL JOINTS TO MATCH FROM PREVIOUS SEGMENTS
  - IF CONTROL JOINT WILL CREATE AREA LESS THAN 2'X2', NO CONTROL JOINT NECESSARY

KEY	TYPE	SIZE (NOMINAL)	COLOR	FINISH / TYPE	PATTERN	MANUFACTURER	DETAIL REF.
P1A	CONCRETE	--	--	LIGHT BROOM FINISH		--	
P2A	PAVERS - SOLDIER COURSE	4" X 8"	RED	REGIMENTAL RED	SOLDIER COURSE	BELDEN, OR APPROVED EQUAL	

**7** PAVING SCHEDULE



Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

Water, Sewer, Streets Bureau Chief \_\_\_\_\_

Transportation Director \_\_\_\_\_

Project Manager \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

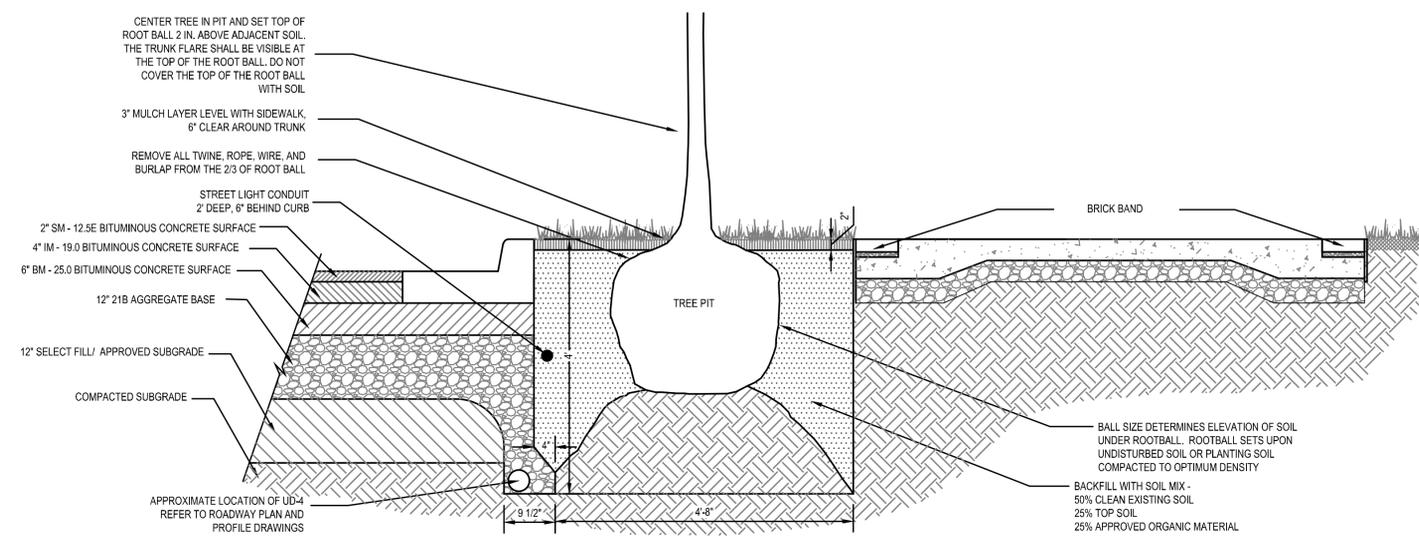
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Plotted: September 23, 2022  
Plotted by: Miguel Tyshing

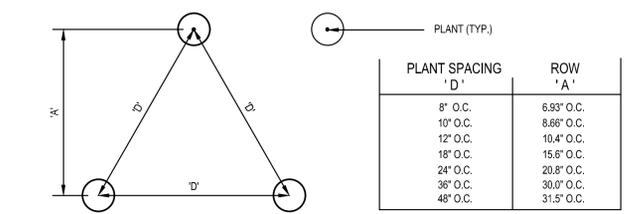
ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

LANDSCAPE DETAILS  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D

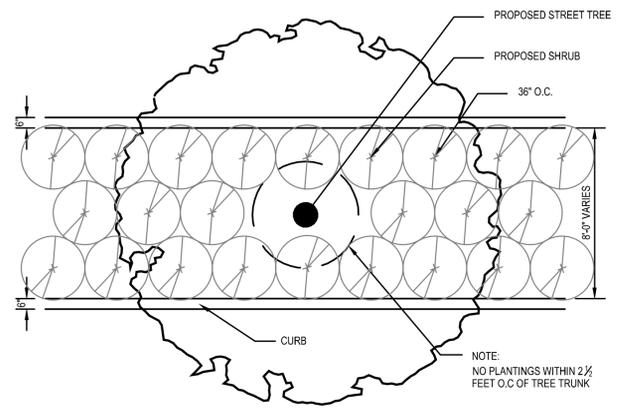
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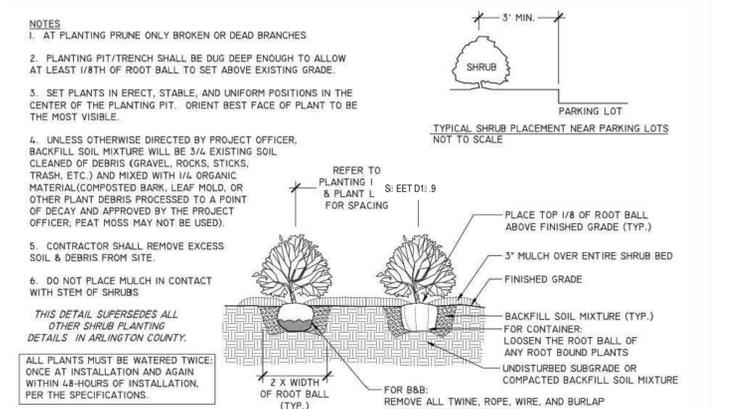
**1 STREET TREE PLANTING IN ADJACENT R.O.W.**  
Scale: 3/4"=1'-0"



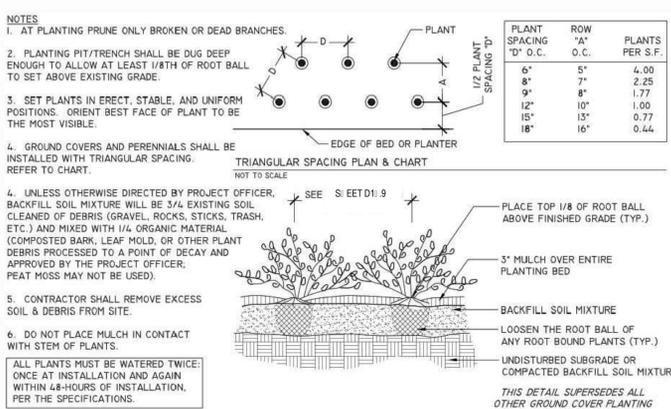
**2 TYPICAL SHRUB/GRASS PLANTING**  
1/2"=1'-0"



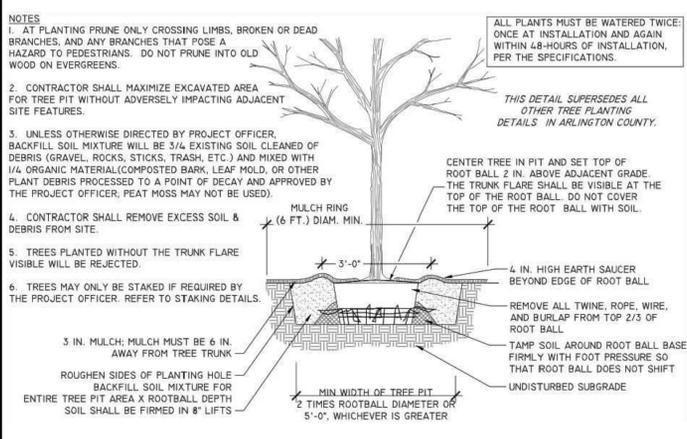
**3 TYPICAL PLANTING IN MEDIAN**  
SCALE: 1/4" = 1'-0"



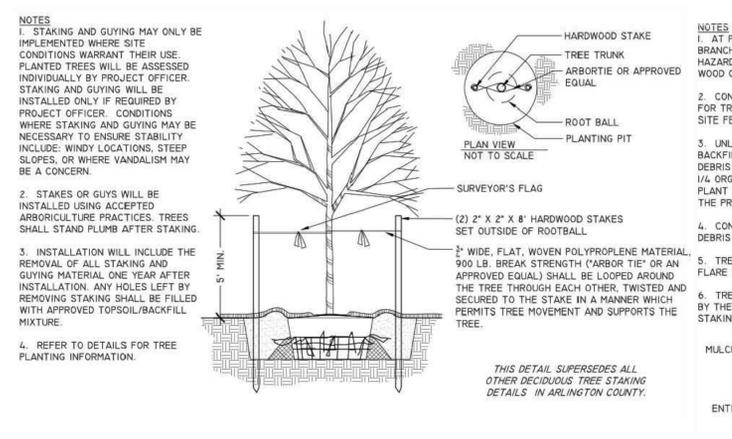
**4 SHRUB PLANTING**  
NTS



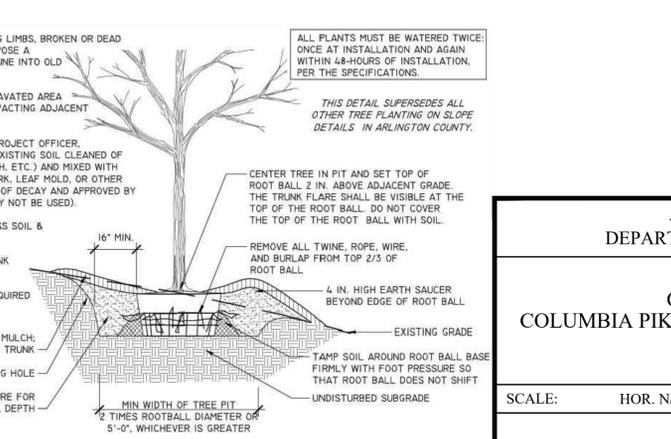
**5 GROUND COVER & PERENNIAL PLANTING**  
NTS



**6 TREE PLANTING DETAIL**  
NTS



**7 DECIDUOUS TREE STAKING**  
NTS



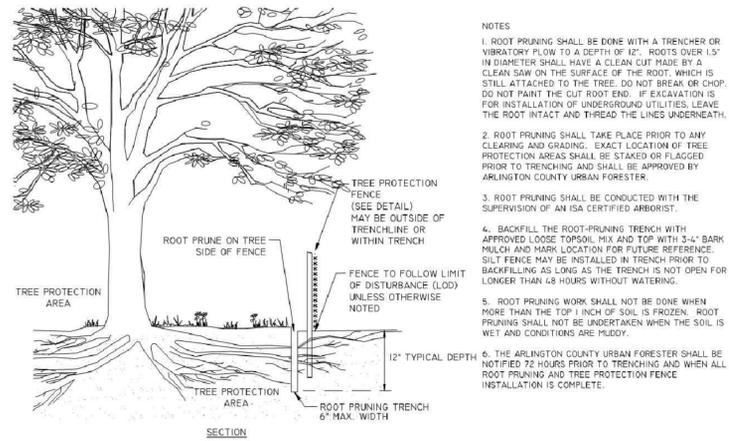
**8 TREE PLANTING ON SLOPE**  
NTS











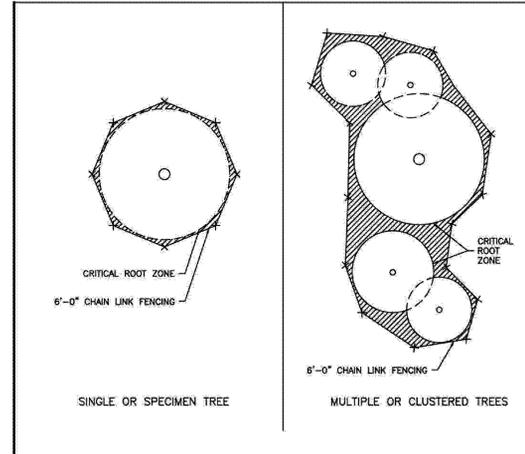
- NOTES
1. ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY FLOW TO A DEPTH OF 12". ROOTS OVER 1.5" IN DIAMETER SHALL HAVE A CLEAN CUT MADE BY A CLEAN SAW ON THE SURFACE OF THE ROOT, WHICH IS STILL ATTACHED TO THE TREE. DO NOT BREAK OR CHOP. DO NOT PAINT THE CUT ROOT END. IF EXCAVATION IS FOR INSTALLATION OF UNDERGROUND UTILITIES, LEAVE THE ROOT INTACT AND THREAD THE LINES UNDERNEATH.
  2. ROOT PRUNING SHALL TAKE PLACE PRIOR TO ANY CLEARING AND GRADING. EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING AND SHALL BE APPROVED BY ARLINGTON COUNTY URBAN FORESTER.
  3. ROOT PRUNING SHALL BE CONDUCTED WITH THE SUPERVISION OF AN ISA CERTIFIED ARBORIST.
  4. BACKFILL THE ROOT-PRUNING TRENCH WITH APPROVED LOOSE TOPSOIL MIX AND TOP WITH 3-4" BARK MULCH AND HARD LOCATION FOR FUTURE REFERENCE. SILT FENCE MAY BE INSTALLED IN TRENCH PRIOR TO BACKFILLING AS LONG AS THE TRENCH IS NOT OPEN FOR LONGER THAN 48 HOURS WITHOUT WATERING.
  5. ROOT PRUNING WORK SHALL NOT BE DONE WHEN MORE THAN THE TOP 1 INCH OF SOIL IS FROZEN. ROOT PRUNING SHALL NOT BE UNDERTAKEN WHEN THE SOIL IS WET AND CONDITIONS ARE MUDDY.
  6. THE ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO TRENCHING AND WHEN ALL ROOT PRUNING AND TREE PROTECTION FENCE INSTALLATION IS COMPLETE.

**ROOT PRUNING**  
311300.5 (2019)

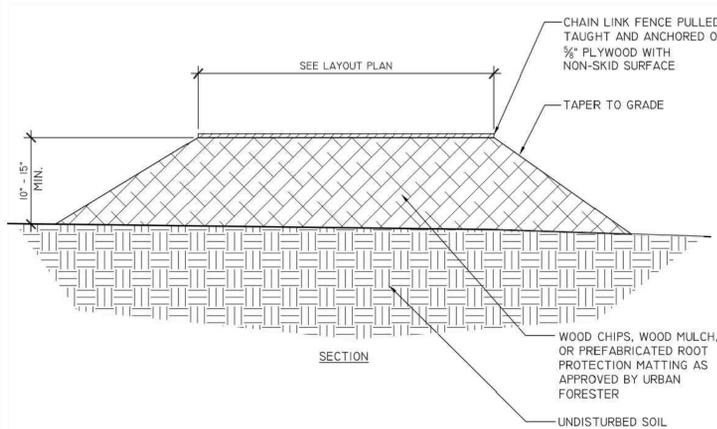
N.T.S.  
ARLINGTON  
DPR

TREE PROTECTION FENCING NOTES

1. Tree protection shall be a minimum of 6'-0" high chain link fence mounted on vertical pipes driven 2'-0" into the ground, at approximately 8'-0" to 10'-0" (max.) on center, with no gates.
  2. Tree protection fencing shall be erected at the critical root zone or beyond prior to start of any clearing, grading or other construction activity. Signs stating "No Entry, Tree Protection Area, Call 703-228-6557 to report violations" are to be posted in both English and Spanish. See Reference Detail II.A.5. Tree protection shall not be removed until completion of all construction activity.
  3. For questions related to tree protection or for field inspection of tree protection, contact the County's Urban Forester at 703-228-6557.
- NOTE**  
URBAN FORESTER TO BE CALLED AT 703-228-1083, 72 HOURS BEFORE CONSTRUCTION, TO INSPECT TREE PROTECTION.

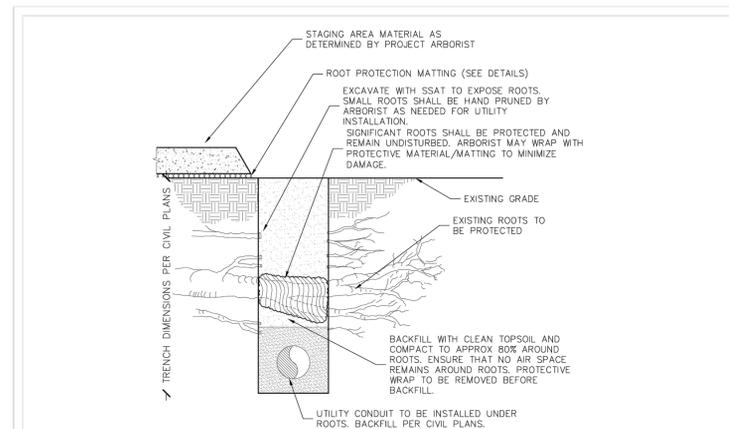


**TREE PROTECTION FENCE, PLAN**  
ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF PUBLIC WORKS  
DRAWING NO. [ ]  
DRAFT 11.07.03



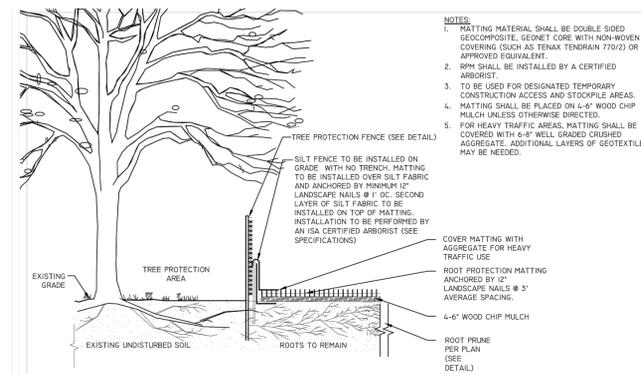
**ROOT PAD DETAIL**  
311300.4 (2016) (02231.4)

1" = 1'-0"  
ARLINGTON  
DPR



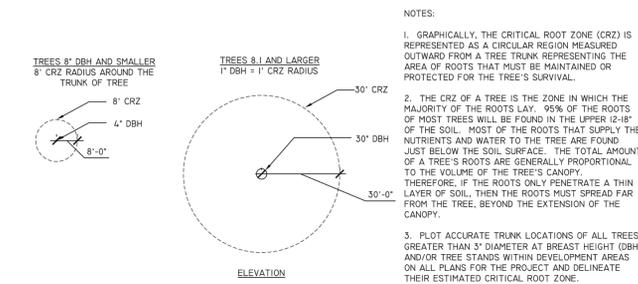
**TREE PROTECTION FOR UNDERGROUND UTILITY**  
311300.20NS (2019)

N.T.S.  
ARLINGTON  
DPR



**TEMPORARY ROOT PROTECTION MATTING WITHIN CRZ**  
311300.7NS

NOT TO SCALE  
ARLINGTON  
DPR



**TREE PROTECTION DETAIL FOR DETERMINING CRITICAL ROOT ZONE**  
311300.3 (2019)

N.T.S.  
ARLINGTON  
DPR

THE CRITICAL ROOT ZONE OF A TREE IS THE ZONE IN WHICH THE MAJORITY OF A TREE'S ROOTS LAY. ABOUT 95% OF THE MAJORITY OF THE ROOTS OF MOST TREES WILL BE FOUND IN THE UPPER 12-18" OF THE SOIL. MOST OF THE ROOTS THAT SUPPLY THE NUTRIENTS AND WATER TO THE TREE ARE FOUND JUST BELOW THE SOIL SURFACE. THE TOTAL AMOUNT OF A TREE'S ROOTS ARE GENERALLY PROPORTIONAL TO THE VOLUME OF THE TREE'S CANOPY. THEREFORE, IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY. IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY. IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY. IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY.

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Seal  
COMMONWEALTH OF VIRGINIA  
EDWARD J. BELLO  
Lic. No. 0402054356  
09/28/2022  
PROFESSIONAL ENGINEER

Approvals \_\_\_\_\_ Date \_\_\_\_\_

Design Team Engineer Supervisor \_\_\_\_\_

Construction Management Supervisor \_\_\_\_\_

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Filename: 010073-D-LAND-TREEPROTECTION-D  
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Plotted: September 28, 2022  
Plotted by: Miguel.Tyshing

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

**TREE PROTECTION DETAILS**  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D

SCALE: HOR. AS NOTED VERT. N.A. SHEET: D14.13 of D14.14

ARLINGTON VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
LUIS ARAYA  
BUREAU CHIEF, DES - DEVELOPMENT SERVICES  
3/7/2023  
APPROVAL DATE

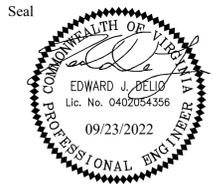
To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
X	1	14	12	72	Acer buergeranum	Trident Maple	70	6.04	2	
X	2	14	13	66	Acer buergeranum	Trident Maple	70			
X	3	6	5	66	Gleditsia triacanthos	Honey Locust	65	2.13	1	
X	4	14	15	75	Platanus occidentalis	Sycamore	70			
X	5	26	30	81	Quercus phellos	Willow Oak	70			
X	6	8	8	75	Acer rubrum	Red Maple	70	4.20	1	
X	7	18	19	81	Thuja Occidentalis	Arborvitae	70	10.81	3	
X	8	16	15	66	Gleditsia triacanthos	Honey Locust	65	6.40	2	
X	9	12	12	66	Gleditsia triacanthos	Honey Locust	65	5.12	2	
X	10	16	15	66	Gleditsia triacanthos	Honey Locust	65	6.40	2	
X	11	28	28	84	Quercus imbricaria	Shingle Oak	65	15.36	4	
X	12	8	7	66	Gleditsia triacanthos	Honey Locust	65	2.99	1	
X	13	2			N.A.					Missing
X	14	26	27	88	Quercus rubra	Northern Red Oak	70			
X	14A	8	8	59	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	15	8	8	59	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	16	14	13	66	Gleditsia triacanthos	Honey Locust	65	5.55	2	
X	17	26	26	94	Magnolia x grandiflora	Southern Magnolia	70			
X	18	16	16	84	Magnolia x grandiflora	Southern Magnolia	70			Twin
X	18A	3	3	94	Lagerstromia spp.	Crape Myrtle	70			
X	18B	3	3	94	Lagerstromia spp.	Crape Myrtle	70			
X	18C	8	8	88	Crataegus phaenopyrum	Washington Hawthorn	70			
X	19	24	25	88	Quercus phellos	Willow Oak	70			Contractor to work with County Arborist on means and methods for saving this tree.
X	20	24	21	88	Quercus phellos	Willow Oak	70	12.86	3	
X	21	24	19	88	Acer rubrum	Red Maple	70			
X	22	14	14	66	Prunus cerasifera	Purple Leaf Plum	40			
X	23	30	31	94	Quercus rubra	Red Oak	70			
X	24	8	8	75	Gleditsia triacanthos	Honey Locust	65	3.90	1	
X	25	8	8	78	Morus alba	Mulberry	30			
X	26	9	7	75	Gleditsia triacanthos	Honey Locust	65	3.41	1	
X	27	8	9	75	Gleditsia triacanthos	Honey Locust	65	4.39	1	
X	28	12	10	75	Gleditsia triacanthos	Honey Locust	65	4.88	1	
X	29	12	11	75	Gleditsia triacanthos	Honey Locust	65	5.36	2	
X	30	8	8	84	Comus kousa	Dogwood	75			
X	31	8	8	81	Acer rubrum	Red Maple	70			
X	32	8	8	81	Acer rubrum	Red Maple	70			
X	33	8	8	81	Acer rubrum	Red Maple	70			
X	34	6	6	78	Acer rubrum	Red Maple	70			
X	35	6	6	78	Acer rubrum	Red Maple	70			
X	36	4	5	69	Gleditsia triacanthos	Honey Locust	65	2.23	1	
X	37	6	6	75	Acer rubrum	Red Maple	70			
X	38	6	6	75	Acer rubrum	Red Maple	70			
X	39	20	19	81	Gleditsia triacanthos	Honey Locust	65	10.03	3	
X	40	6	6	78	Gleditsia triacanthos	Honey Locust	65	3.05	1	
X	40A		16	84	Platanus occidentalis	Sycamore	70	9.45	2	
X	41	10	8	63	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	42	10			N.A.					Missing
X	43	10	13	75	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	44	18	16	84	Platanus occidentalis	Sycamore	70	9.45	2	
X	45	10	11	75	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	46	12	10	84	Gleditsia triacanthos	Honey Locust	65	5.48	2	
X	47	12	12	75	Prunus 'Kwanzan'	Kwanzan Cherry	65			
X	48	12	11	78	Gleditsia triacanthos	Honey Locust	65	5.59	2	
X	49	12	11	78	Gleditsia triacanthos	Honey Locust	65	5.59	2	
X	50	10	10	78	Gleditsia triacanthos	Honey Locust	65	5.08	2	
X	51	8	9	78	Gleditsia triacanthos	Honey Locust	65	4.57	1	
X	52	8	8	81	Gleditsia triacanthos	Honey Locust	65	4.23	1	
X	53	6	9	72	Gleditsia triacanthos	Honey Locust	65	4.20	1	
X	54	3	3	81	Lagerstromia spp.	Crape Myrtle	70			Triple
X	55	3	3	81	Betula nigra	River Birch	70			Triple
X	56	3	3	81	Betula nigra	River Birch	70			Triple
X	57	4	4	81	Zelkova serrata	Zelkova	60			
X	58	6	4	78	Acer rubrum	Red Maple	70			
X	59	6	4	78	Acer rubrum	Red Maple	70			
X	60	6	4	78	Acer rubrum	Red Maple	70			
X	61	6	4	78	Acer rubrum	Red Maple	70			
X	62	10			N.A.					Missing
X	63	8			N.A.					Missing
X	64	8			N.A.					Missing
X	65	8	8	78	Gleditsia triacanthos	Honey Locust	65			
X	66	8	8	81	Gleditsia triacanthos	Honey Locust	65			
X	67	10	8	78	Gleditsia triacanthos	Honey Locust	65			
X	68	8	8	78	Gleditsia triacanthos	Honey Locust	65			
X	69	10	9	78	Gleditsia triacanthos	Honey Locust	65			
X	70	8	9	69	Gleditsia triacanthos	Honey Locust	65	4.02	1	
X	71	6	7	69	Gleditsia triacanthos	Honey Locust	65	3.13	1	
X	72	6	6	69	Gleditsia triacanthos	Honey Locust	65	2.68	1	
X	73	6	5	64	Gleditsia triacanthos	Honey Locust	65			
X	74	10	10	94	Quercus phellos	Willow Oak	70			
X	75	6	5	84	Gleditsia triacanthos	Honey Locust	65	2.74	1	
X	76	8	12	72	Ulmus pumila	Siberian Elm	20			Twin
X	77	4	4	84	Gleditsia triacanthos 'Inermis'	Thornless Honey Locust	50			
X	78	10	9	75	Gleditsia triacanthos	Honey Locust	65	4.39	1	
X	79	10	9	75	Gleditsia triacanthos	Honey Locust	65	4.39	1	
X	80	8	7	88	Gleditsia triacanthos	Honey Locust	65	3.98	1	
X	81	8	9	88	Gleditsia triacanthos	Honey Locust	65	5.12	2	
X	82	10	7	78	Gleditsia triacanthos	Honey Locust	65	3.55	1	
X	83	10	9	78	Gleditsia triacanthos	Honey Locust	65	4.57	1	
X	84	4	3	72	Gleditsia triacanthos	Honey Locust	65	1.40	1	
X	85	4	4	72	Gleditsia triacanthos	Honey Locust	65	1.87	1	
X	86	8	8	78	Gleditsia triacanthos	Honey Locust	65	4.06	1	
X	87	10	8	78	Gleditsia triacanthos	Honey Locust	65	4.06	1	
X	88	6	7	78	Gleditsia triacanthos	Honey Locust	65	3.55	1	
X	89	10	10	75	Gleditsia triacanthos	Honey Locust	65	4.88	1	
X	90	4	4	94	Gleditsia triacanthos 'Inermis'	Thornless Honey Locust	50			
X	91	4	4	94	Gleditsia triacanthos 'Inermis'	Thornless Honey Locust	50			
X	92	8	10	84	Quercus phellos	Willow Oak	70			
X	93	6	6	69	Gleditsia triacanthos	Honey Locust	65	2.68	1	
X	94	10	11	84	Quercus phellos	Willow Oak	70			
X	95	4	4	75	Gleditsia triacanthos	Honey Locust	65	1.95	1	
X	96	6	6	94	Gleditsia triacanthos	Honey Locust	65			
X	97	10	11	81	Ulmus parvifolia	Chinese Elm	70			
X	98	8	14	66	Tilia cordata	Littleleaf Linden	60			
X	99	12	12	25	Tilia cordata	Littleleaf Linden	60			Severe Damage: 1/2 of Trunk Missing, Dying

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
	100	10	15	66	Tilia cordata	Littleleaf Linden	60			
	101	12				N.A.				Removed with Patio Installation
	102	4				N.A.				Removed with Patio Installation
	103	4				N.A.				Removed with Patio Installation
	104	3				N.A.				Removed with Patio Installation
	105	4				N.A.				Removed with Patio Installation
	106	5	6	75	Gleditsia triacanthos	Honey Locust	65			
	107	7	6	75	Gleditsia triacanthos	Honey Locust	65			
	108	6	6	75	Gleditsia triacanthos	Honey Locust	65			
	109	6	6	75	Gleditsia triacanthos	Honey Locust	65			
	110	3	4	66	Gleditsia triacanthos	Honey Locust	65			
X	111	9	6	75	Gleditsia triacanthos	Honey Locust	65	2.93	1	
X	112	9	9	75	Gleditsia triacanthos	Honey Locust	65	4.39	1	
X	113	8	7	75	Gleditsia triacanthos	Honey Locust	65	3.41	1	
X	114	8	7	75	Gleditsia triacanthos	Honey Locust	65	3.41	1	
X	115	10	9	75	Gleditsia triacanthos	Honey Locust	65	4.39	1	

Total Required Replacements: 73

**ARLINGTON VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
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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: WDW  
Drawn: WDW  
Checked: KWA  
Miss Utility Transmittal #:

Filename: 010073-D-LAND-TREEPROTECTION-D  
Path: \\S:\A\2022\11000001 Columbia Pike Multimodal Production Task  
Plotted: September 23, 2022  
Plotted by: Miguel Tyshing

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

TREE PROTECTION PLAN TABLE  
COLUMBIA PIKE - ROUTE 244  
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS  
SEGMENT D

SCALE: HOR. N.A. VERT. N.A. SHEET: D14.14 of D14.14

**ARLINGTON VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL SERVICES

*Luiz Araya*  
LUIS ARAYA  
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

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APPROVAL DATE