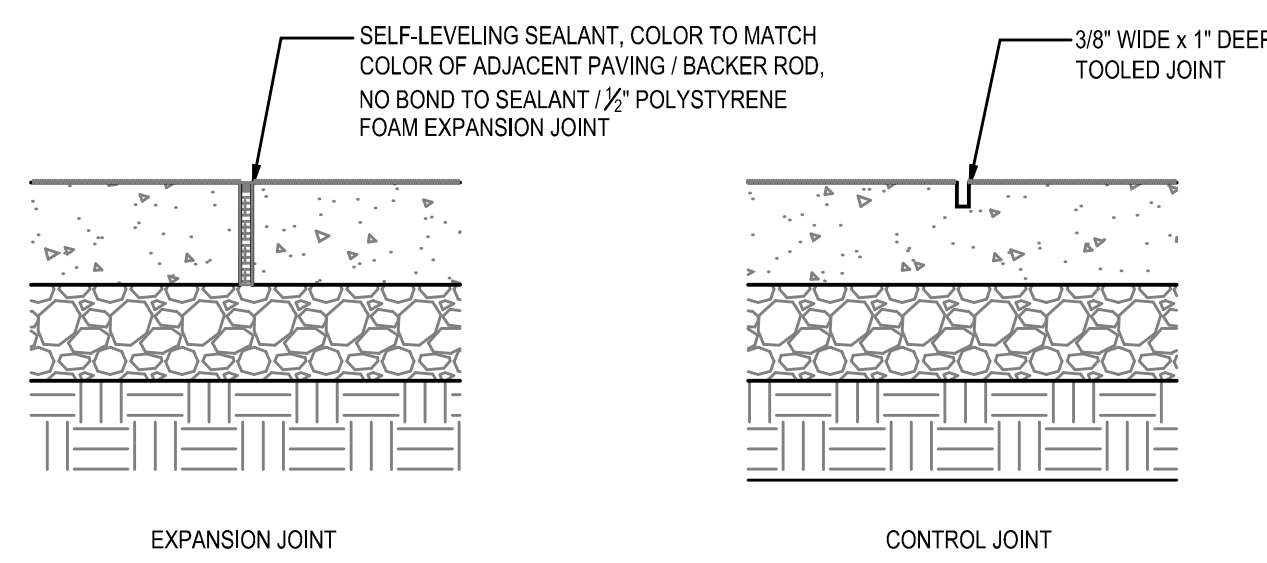


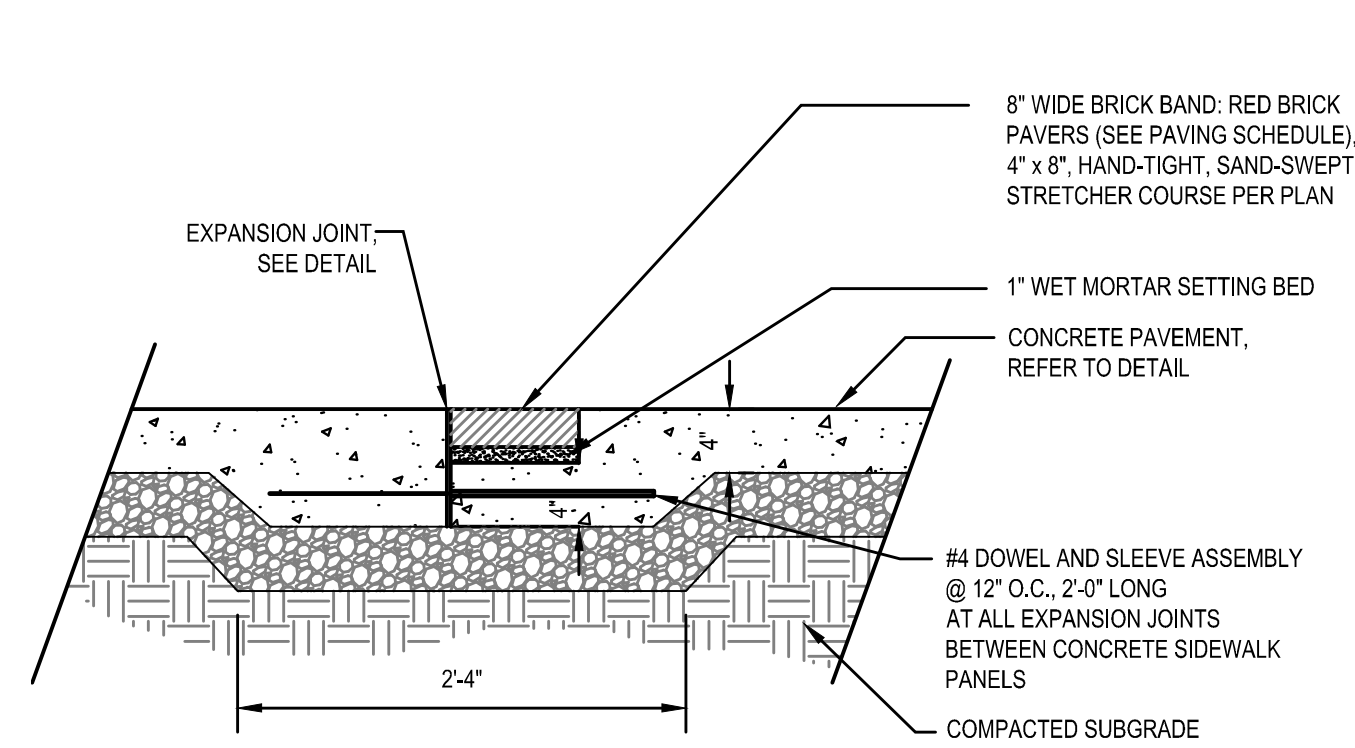
1 CONCRETE PAVEMENT (SIDEWALKS)

Scale: 1 1/2"=1'-0"



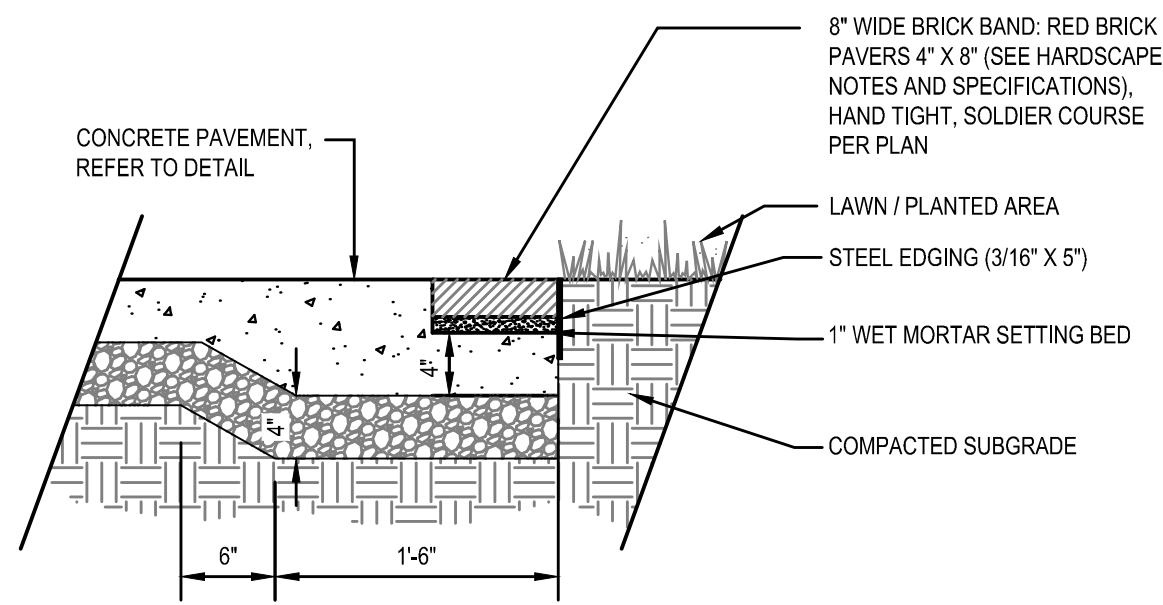
2 CONCRETE PAVING JOINTS

Scale: 1 1/2"=1'-0"



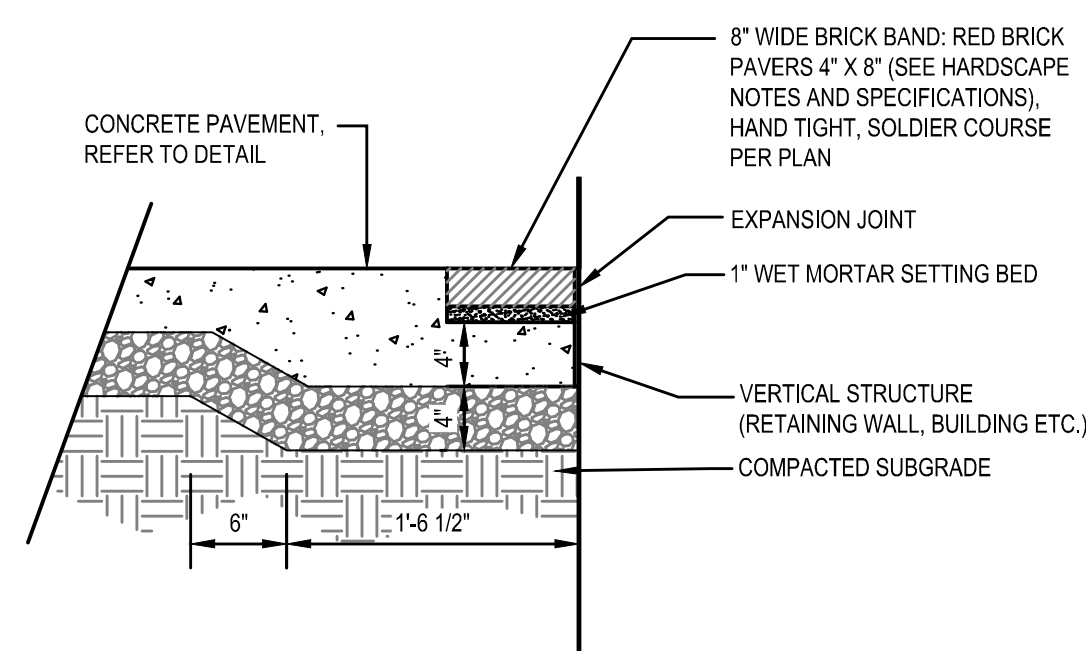
3 BRICK BAND SET IN CONCRETE

1"=1'-0"



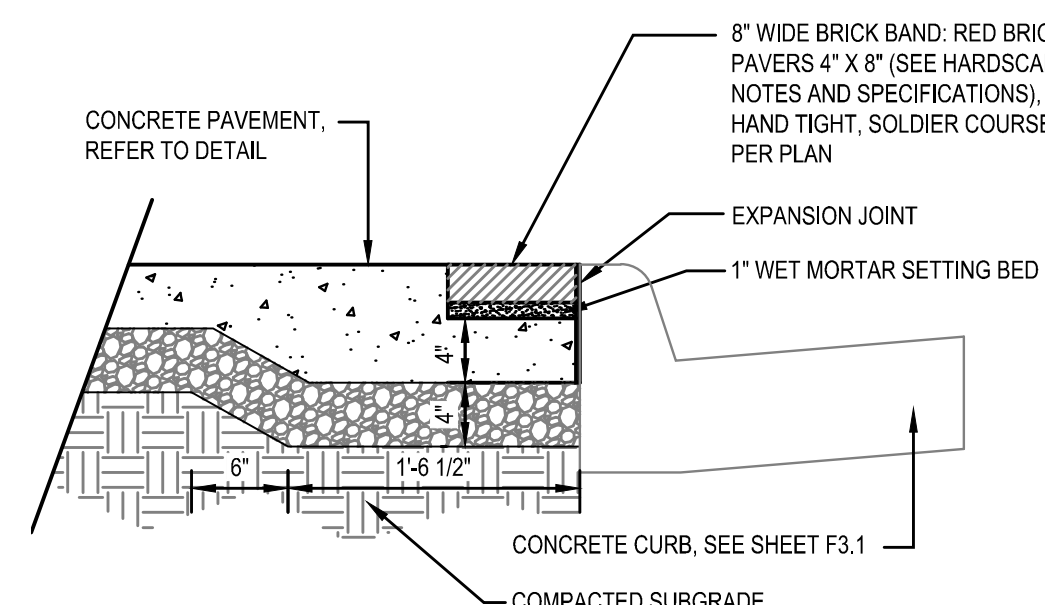
4 BRICK BAND AT LAWN

1"=1'-0"



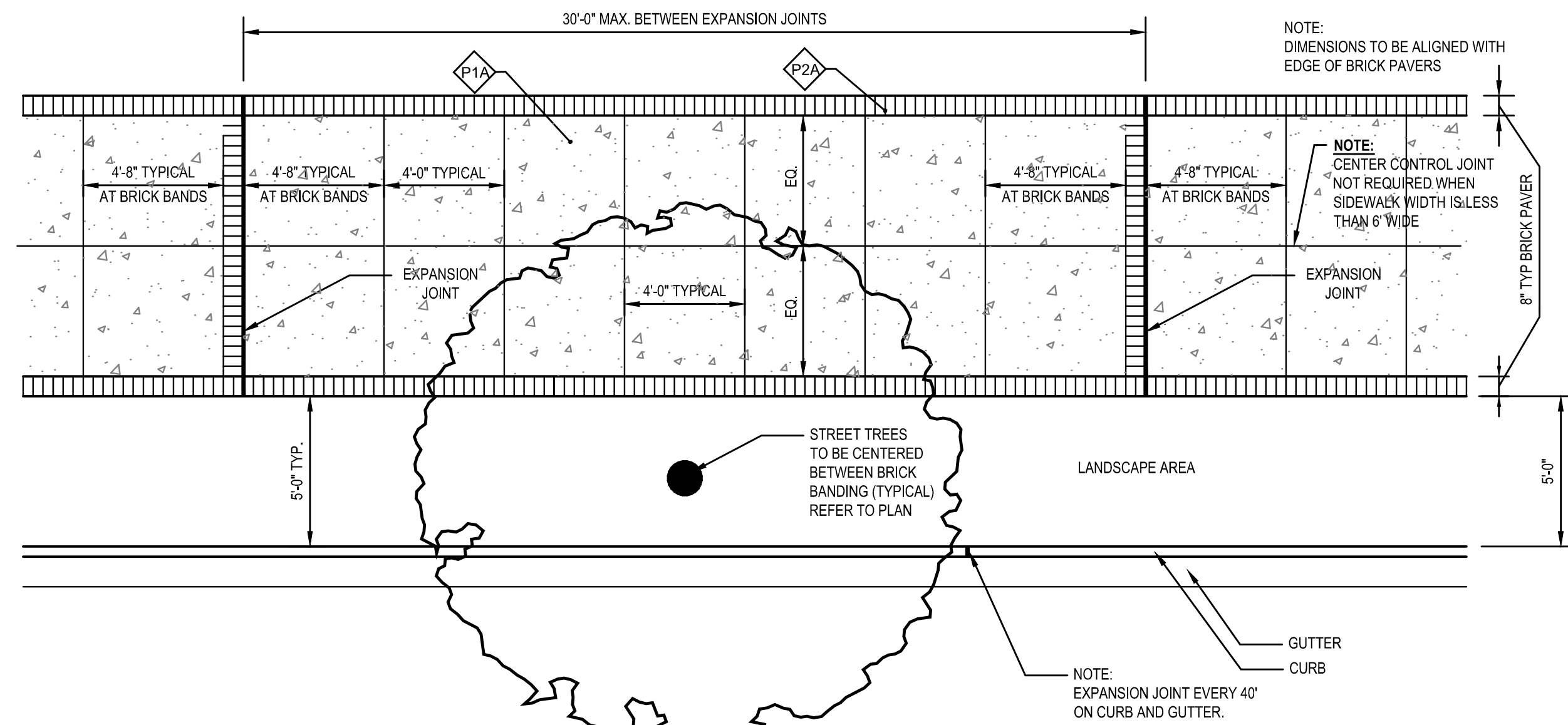
5 BRICK BAND AT VERTICAL STRUCTURE

1"=1'-0"



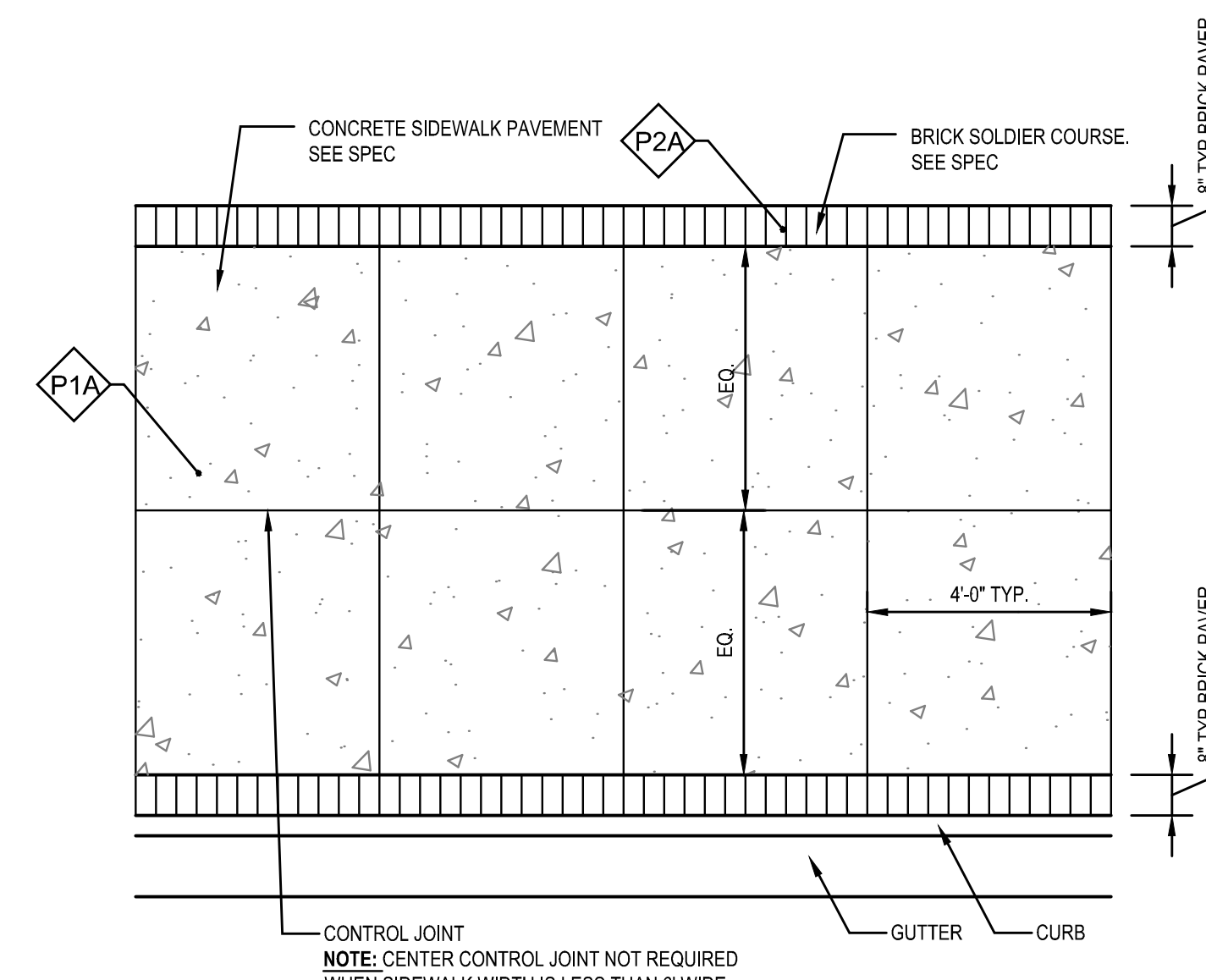
6 BRICK BAND AT CURB

1"=1'-0"



7 TYPICAL PAVING AT CONTINUOUS TREE PIT

SCALE: 1/4" = 1'-0"



8 SIDEWALK PAVING (TYP.)

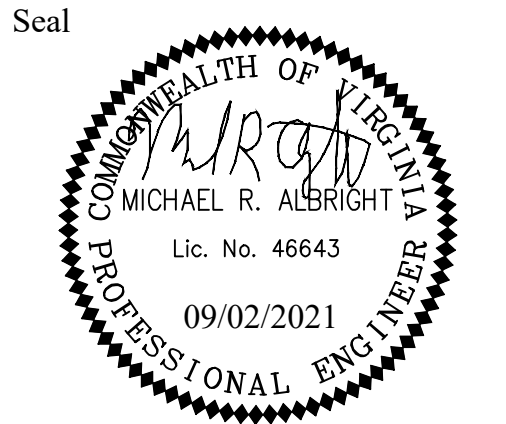
SCALE: 3/8" = 1'-0"



DEPARTMENT OF
ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201
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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: KWA
Drawn: WDW
Checked: KWA
Miss Utility Transmittal #:

Filename: 010073-F-LAND-DTL.dwg
Path: C:\NVA_2020\Y11010073 Columbia Pike Multimodal Production Task
Plotted: September 02, 2021
Plotted by: patrick.husted

NOTE:
SEE SHEET F14.6.3 FOR PAVING SCHEDULE

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

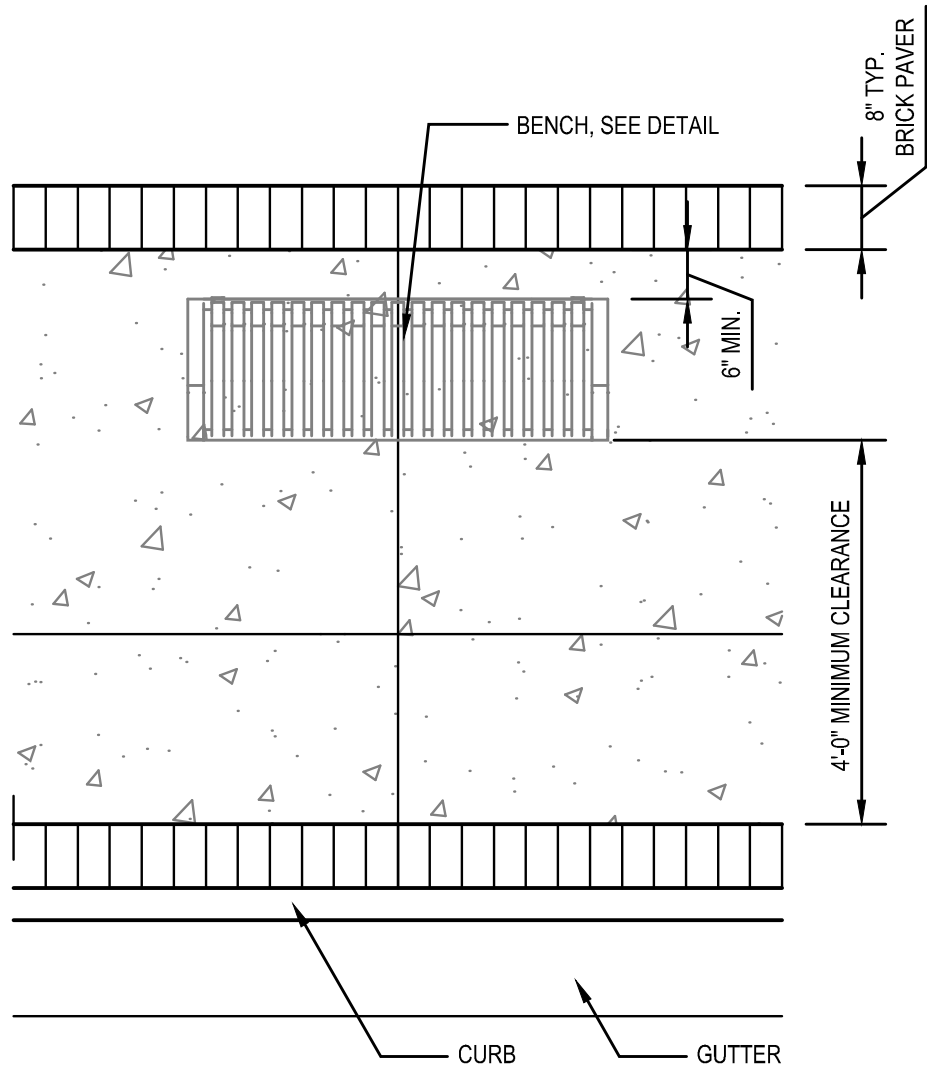
LANDSCAPE DETAILS
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. N/A VERT. N/A SHEET: F14.6.2 of F14.10.3

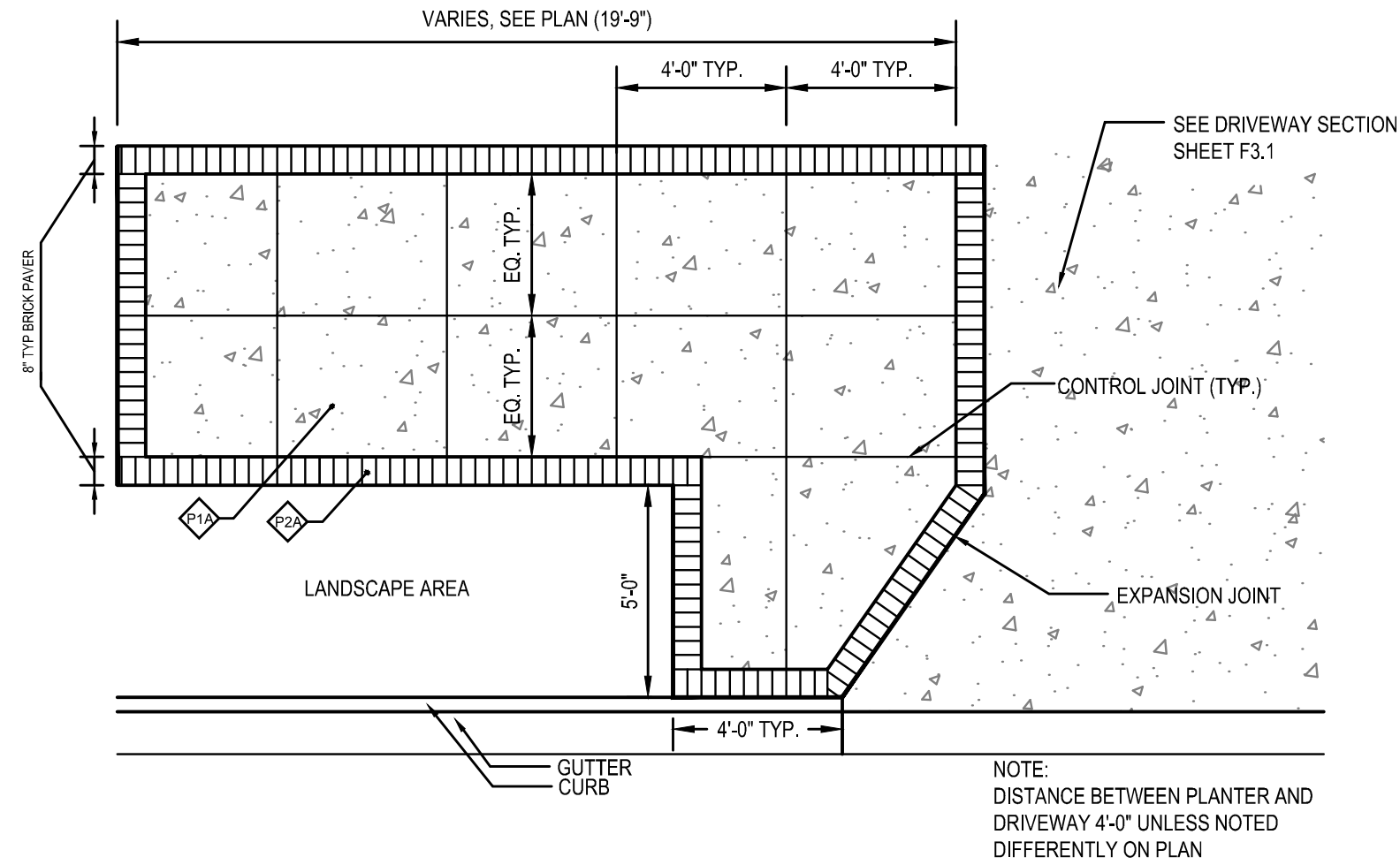


DEPARTMENT OF
ENVIRONMENTAL SERVICES

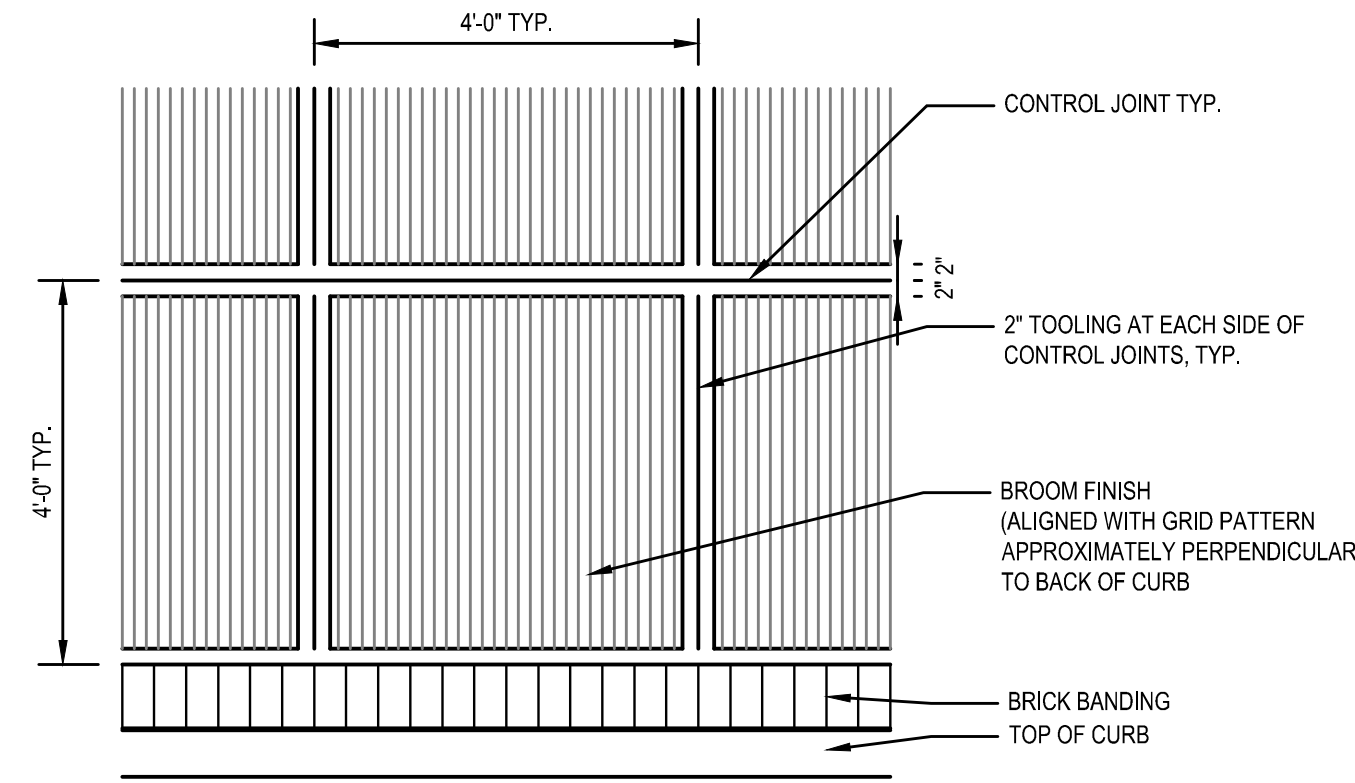
10/19/2021
APPROVAL DATE



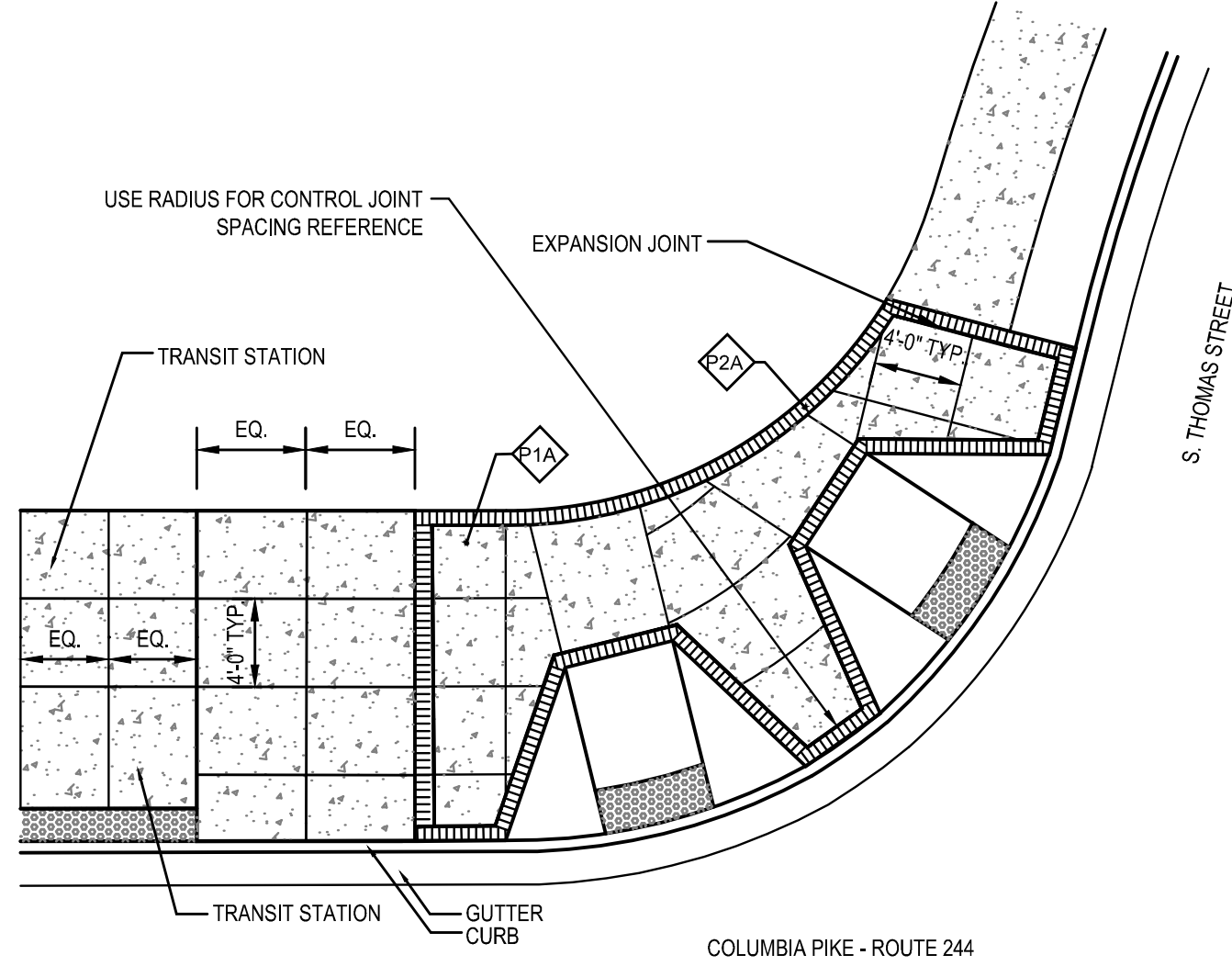
1 TYPICAL BENCH LOCATION
1/2"=1'-0"



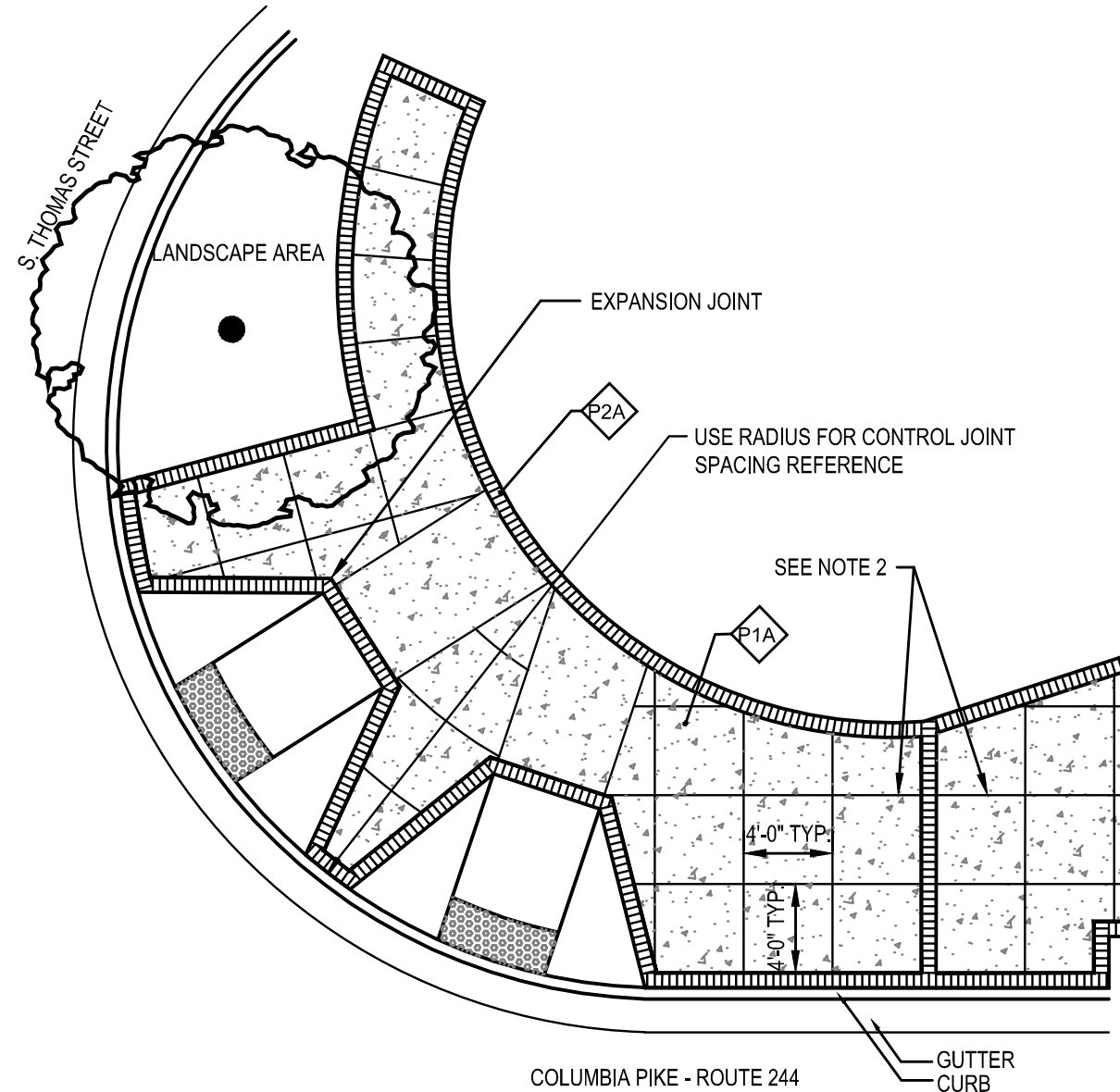
2 TYPICAL PAVING AT DRIVEWAY
1/4"=1'-0"



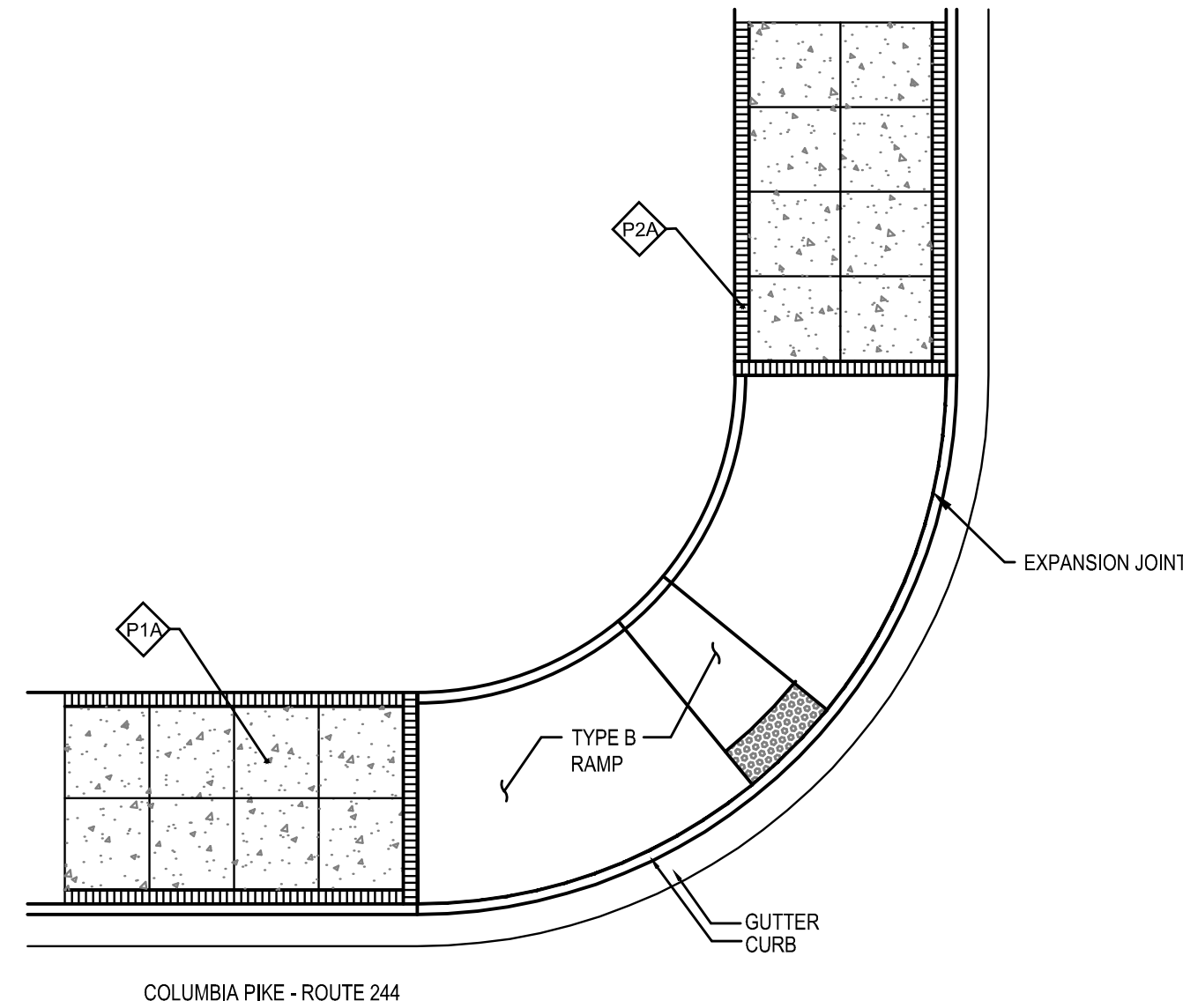
3 TYPICAL TOOLING DETAIL
1/2"=1'-0"



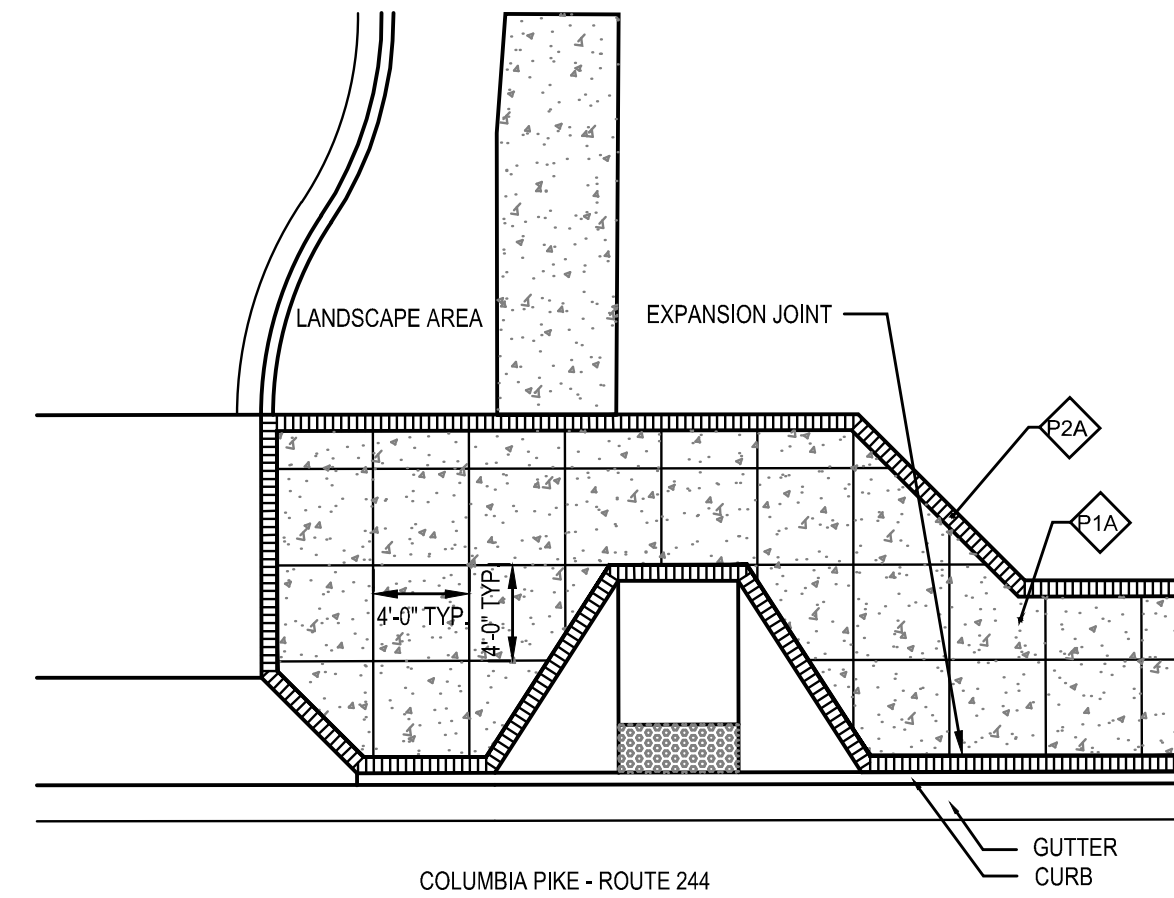
4 TYPICAL PAVING AT RAMP
1/8"=1'-0"



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



5A TYPICAL PAVING AT RAMP - TYPE B
1/8"=1'-0"



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

PAVING MATERIALS LEGEND

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

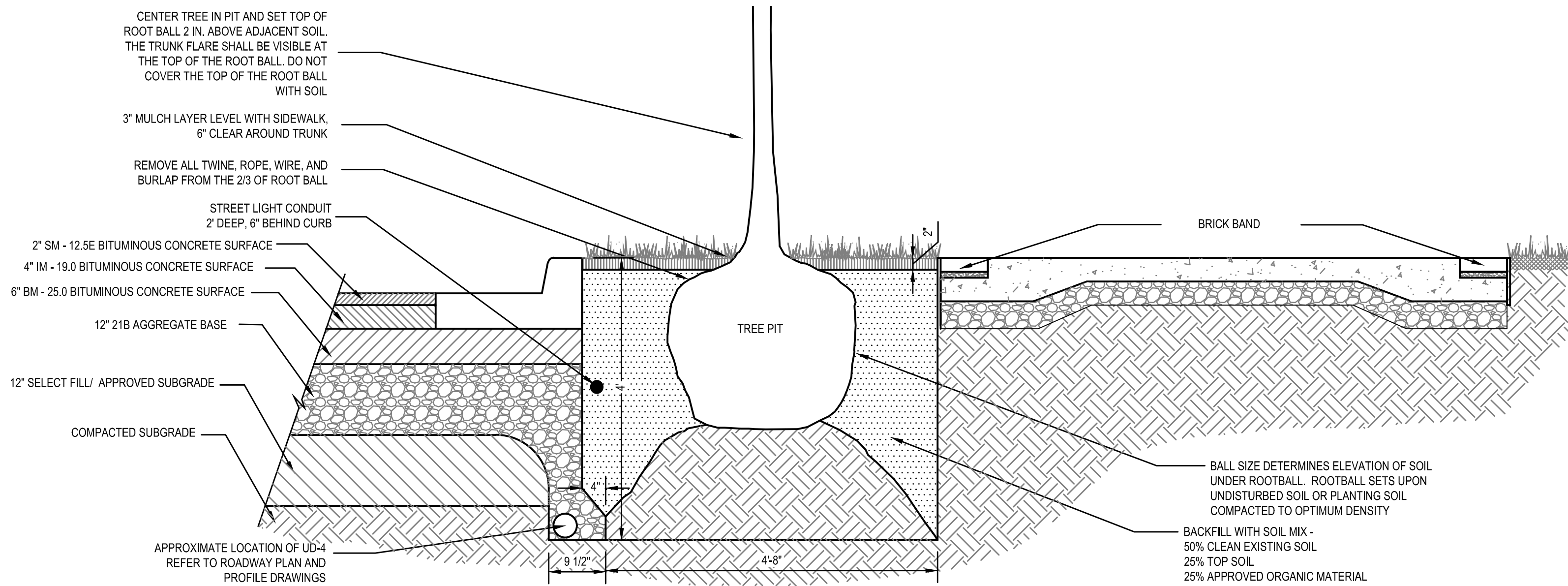
NOTES:

- CONTROL JOINTS BETWEEN RAMPS TO BE OFFSET FROM BACK OF CURB RADIUS
- CONTROL JOINTS TO MATCH FROM PREVIOUS SEGMENTS

Revisions	Date

Designed: KWA
Drawn: LJH
Checked: KWA
Miss Utility Transmittal #:

Filename: 010073-F-LAND-DTL.dwg
Path: K:\NVA_2020\Y11010073 Columbia Pike Multimodal Production\Task
12 - Final Design of Columbia Pike Segment Segment F1.5.2 - 100%
Design\Drawings
Plotted: October 13, 2021
Plotted by: Ted.DeLio



OVERALL PLANT TABLE

KEY	QTY.	BOTANICAL / COMMON NAME	SIZE	ROOT	COMMENTS
CANOPY TREES					
AR	14	<i>Acer rubrum 'Armstrong'</i> Armstrong Red Maple	3" cal.	B&B	Uniform branching pattern
BN	11	<i>Betula nigra</i> River Birch	10' min ht.	B&B	Multi-stem, Uniform branching pattern
GT	15	<i>Gleditsia triacanthos f. inermis 'Skyline'</i> Honeylocust	3" cal.	B&B	Uniform branching pattern
NS	6	<i>Nyssa sylvatica</i> Black Gum	3" cal. min.	B&B	Uniform branching pattern
PA	18	<i>Platanus x acerifolia</i> London Planetree	3" cal.	B&B	Uniform branching pattern
QA	13	<i>Quercus palustris</i> Pin Oak	3" cal.	B&B	Uniform branching pattern
QP	16	<i>Quercus phellos</i> Willow Oak	3" cal.	B&B	Uniform branching pattern
TA	15	<i>Tilia americana</i> American Linden	3" cal.	B&B	Uniform branching pattern

TOTAL: 109

ORNAMENTAL TREES					
CC	17	<i>Cercis canadensis</i> Eastern Redbud	2" cal.	B&B	Uniform branching pattern, 3-5 main trunks
CR	16	<i>Crataegus viridis 'Winter King'</i> Winter King Hawthorn	6-8' ht. min.	B&B	Symmetrical form

TOTAL: 33

SHRUBS / GRASSES					
ICR	80	<i>Ilex cornuta 'Rotunda'</i> Dwarf Chinese Holly	24" ht. min.	Cont.	Mature, well rooted
ILG	210	<i>Ilex glabra</i> Inkberry Holly	30" ht. min.	Cont.	Mature, well rooted
ITE	205	<i>Itea virginica</i> Virginia Sweetspire	24" ht. min.	Cont.	Mature, well rooted
SCH	745	<i>Schizachyrium scoparium</i> Little Bluestem	1 gal.	Cont.	24" O.C., full, dense
PAN	1243	<i>Panicum virgatum 'Shenandoah'</i> Shenandoah Switch Grass	1 gal.	Cont.	24" O.C., full, dense

PERENNIALS, GROUNDCOVERS, AND VINES

NEP	349	<i>Nepeta x faassenii</i> Catmint	1 Qt.	Cont.	18" o.c. Full, dense
RHU	1121	<i>Rhus aromatica 'Gro-Low'</i> Gro-Low Sumac	18" ht. min.	Cont.	30" o.c., Full, dense

SEGMENT F TREE CALCULATIONS				
	Segment A	Segment F	Segment H	Total
Trees Removed	27	367	70	437
Trees Required for Reforestation	43	288	86	374
Trees Provided (Canopy, Ornamental & Evergreen)	28	119	125	244
Delta Δ	(15)	(169)	39	(130)

Note:

1. Overall Reforestation for Segment F is deficient by 169 Trees. Additional Trees shall be planted with Segment's A, C, D & H to satisfy the Total Trees Required for Reforestation
2. One Shade Tree or large Evergreen Tree shall be equivalent to One Reforestation Tree
3. Three Ornamental Trees or Small Evergreen Trees shall be equivalent to One Reforestation Tree

PLANTING SPECIFICATIONS

1. QUALITY ASSURANCE:

- A. LANDSCAPE PLANTING AND RELATED WORK SHALL BE PERFORMED BY A FIRM WITH A MINIMUM OF FIVE YEARS EXPERIENCE SPECIALIZING IN THIS TYPE AND SCALE OF WORK.
B. APPLICABLE SPECIFICATIONS AND STANDARDS:
ARLINGTON COUNTY ZONING ORDINANCE,
AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE
AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION
AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE WASHINGTON METROPOLITAN AREAS, LATEST EDITION, LANDSCAPE CONTRACTORS ASSOCIATION.

2. SUBMITTALS: SUBMIT THE FOLLOWING TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK:

- A. COPIES OF MANUFACTURER'S DATA FOR ALL MATERIALS REQUIRED.
B. SAMPLES OF REQUIRED MULCH MATERIAL.
C. CHEMICAL AND MECHANICAL ANALYSIS AND SAMPLES OF ALL EXISTING SOIL, TOPSOIL, ORGANIC MATTER AND SOIL MIX TO BE USED.
D. PLANTING SCHEDULE SHOWING THE DATES (EARLIEST AND LATEST) PROPOSED FOR EACH TYPE OF PLANT SPECIFIED, SCHEDULE EACH TYPE OF PLANTING WITHIN THE NORMAL PLANTING SEASONS FOR SUCH WORK. INCLUDE REQUESTS FOR ANY PROPOSED CHANGES IN THE APPROVED PLANTING SEASON AND A LIST OF PROPOSED SOURCES FOR ALL PLANT MATERIALS.
E. LIST OF PROPOSED SOURCES FOR ALL PLANT MATERIAL.

3. DELIVERY, HANDLING, AND STORAGE:

- A. DELIVER PACKAGED MATERIALS IN MANUFACTURER'S UNOPENED CONTAINERS OR BUNDLES, FULLY IDENTIFIED WITH NAME, BRAND, TYPE, WEIGHT, AND ANALYSIS. STORE PACKAGED MATERIALS IN SUCH A MANNER AS TO PREVENT DAMAGE OR INTRUSION OF FOREIGN MATTER.
B. DIG BALLED AND BURLAPPED (B&B) PLANTS WITH FIRM, NATURAL BALLS OF EARTH, OF A DIAMETER NOT LESS THAN THAT SHOWN ON THE PLANT LIST NOR LESS THAN RECOMMENDED BY THE AMERICAN STANDARD FOR NURSERY STOCK, AND OF SUFFICIENT DEPTH TO INCLUDE THE FIBROUS AND FEEDING ROOTS. B&B PLANTS WILL NOT BE ACCEPTED IF THE BALL IS CRACKED OR BROKEN BEFORE OR DURING PLANTING OPERATION.
C. DELIVER TREES AND SHRUBS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED. DO NOT BEND, BIND, OR TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES OR DESTROY NATURAL SHAPE. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST BY HEELING-IN BARE ROOT STOCK AND COVERING PLANT BALLS WITH SOIL, PEAT MOSS OR OTHER ACCEPTABLE MATERIAL FOR BALLED STOCK. PLANTS SHALL BE KEPT WELL WATERED AND SHALL NOT REMAIN UNPLANTED FOR LONGER THAN TEN (10) DAYS AFTER DELIVERY.
D. PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL ONLY.
E. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME.

4. DRAINAGE: BEFORE PLANTING, DETERMINE THAT AREAS TO RECEIVE PLANT MATERIAL HAVE ADEQUATE SUBDRAINAGE.

- A. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DRAINAGE TESTS AS NECESSARY TO IDENTIFY ANY PROBLEMS PRIOR TO BEGINNING PLANTING OPERATIONS. UPON COMMENCEMENT OF PLANTING OPERATIONS THE LANDSCAPE CONTRACTOR ASSUMES RESPONSIBILITY FOR SOIL CONDITIONS.
B. DIG PLANTING PITS TO FULL DEPTH AND DIMENSIONS INDICATED ON DRAWINGS.
C. AT BOTTOM OF PLANTING PIT, EXCAVATE RECTANGULAR PIT 12 INCHES BY 12 INCHES BY 18 INCHES DEEP. QUICKLY POUR WATER INTO PIT TO A DEPTH OF 6 INCHES (APPROXIMATELY 3-3 3/4 GALLON). NOTE TIME REQUIRED FOR WATER TO BE COMPLETELY ABSORBED. DIVIDE TIME NOTED BY 6 TO ACHIEVE AVERAGE RATE OF ABSORPTION FOR 1 INCH OF WATER. WHERE RATE OF ABSORPTION EXCEEDS 60 MINUTES PER INCH, NOTIFY OWNER IMMEDIATELY FOR DIRECTIONS ON HOW TO PROCEED.
5. PLANTING DATES: PLANTING SHALL BE DONE ONLY WITHIN THE FOLLOWING DATES EXCEPT AS APPROVED BY OWNER.
A. DECIDUOUS TREES AND SHRUBS: MARCH 1 TO MAY 31 AND OCTOBER 15 TO DECEMBER 15.
B. EVERGREEN TREES, SHRUBS AND VINES: MARCH 1 TO MAY 31 AND SEPTEMBER 1 TO NOVEMBER 15.
C. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF 1 YEAR FROM THE DATE FINAL ACCEPTANCE TO BE IN GOOD, HEALTHY AND FLOURISHING CONDITION.

6. MATERIALS FOR PLANTING:

- A. TOPSOIL: SHALL BE A FERTILE, FRABLE NATURAL LOAM, UNIFORM IN COMPOSITION, FREE OF STONES, LUMPS, PLANTS AND THEIR ROOTS, DEBRIS AND OTHER EXTRANEOUS MATTER OVER 1 INCH IN DIAMETER, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. SOIL SHALL BE HARVESTED AT A SINGLE SOURCE FROM THE O AND/OR A HORIZONS OF THE SOIL PROFILE.
1) TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 7.5.
2) TOPSOIL SHALL CONTAIN 1.5-5% ORGANIC MATTER BY DRY WEIGHT.
3) SOIL TEXTURE: SANDY LOAM, SANDY CLAY LOAM WITH THE FOLLOWING PARTICLE SIZE DISTRIBUTION:
GRAVEL LESS THAN 10%
SILT 15-30%
CLAY 20-35%
CHEMICAL LEVELS SHALL BE:
MAGNESIUM MG 100+ UNITS
PHOSPHORUS P205 150+ UNITS
POTASSIUM -K20 120+ UNITS
5) SOLUBLE SALTS/ CONDUCTIVITY - NOT TO EXCEED 900 PPM(0.9 MMHOS/CM (IN SOIL); NOT TO EXCEED 3000 PPM(2.5 MMHOS/CM (IN HIGH ORGANIC MIX)
6) CATION EXCHANGE CAPACITY SHALL BE A MINIMUM OF 8 MEQ/100G.
B. CLAY LOAM TO SANDY CLAY LOAM SOIL: SHALL BE A FERTILE, FRABLE NATURAL LOAM, UNIFORM IN COMPOSITION, FREE OF STONES, LUMPS, PLANTS AND THEIR ROOTS, DEBRIS AND OTHER EXTRANEOUS MATTER OVER 1 INCH IN DIAMETER, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH.
1) SOIL SHALL HAVE A PH RANGE OF 5.5 TO 6.5.
2) SOIL SHALL CONTAIN 2-5% ORGANIC CONTENT BY VOLUME.
3) SOIL TEXTURE: CLAY LOAM TO SANDY CLAY LOAM WITH THE FOLLOWING PARTICLE SIZE DISTRIBUTION:
GRAVEL LESS THAN 10%
SAND 20-50%
SILT <35%
CLAY 20-40%
4) CHEMICAL LEVELS SHALL BE:
MAGNESIUM MG 100+ UNITS
PHOSPHORUS P205 150+ UNITS
POTASSIUM -K20 120+ UNITS
5) SOLUBLE SALTS/ CONDUCTIVITY - NOT TO EXCEED 900 PPM(0.9 MMHOS/CM (IN SOIL); NOT TO EXCEED 3000 PPM(2.5 MMHOS/CM (IN HIGH ORGANIC MIX)
6) CATION EXCHANGE CAPACITY SHALL BE 20-35 MEQ/100G.
C. COMPOST: COMPOST SHALL BE MATURE, STABLE, WEED FREE, AND PRODUCED BY AEROBIC DECOMPOSITION OF ORGANIC MATTER. COMPOST FEEDSTOCK SHALL BE PLANT MATTER, SUCH AS HIGH LIGNIN FORESTRY PRODUCTS OR YARD WASTE (LEAVES, BRUSH AND YARD TRIMMINGS).
1) THE PRODUCT MUST NOT CONTAIN ANY VISIBLE REFUSE OR OTHER PHYSICAL CONTAMINANTS, SUBSTANCES TOXIC TO PLANTS, OR OVER 5% SAND, SILT, CLAY OR ROCK MATERIAL BY DRY WEIGHT.
2) COMPOST SHALL BE SAMPLED AND TESTED AS REQUIRED BY THE SEAL OF TESTING ASSURANCE PROGRAM OF THE UNITED STATES COMPOSTING COUNCIL (USCC) AND SHALL MEET THE PHYSICAL REQUIREMENTS FOR COMPOST AS DETERMINED BY USCC.
3) THE PRODUCT SHALL POSSESS NO OBJECTIONABLE ODORS. THE PRODUCT MUST MEET ALL APPLICABLE USEPA CFR, TITLE 40, PART 503 STANDARDS FOR CLASS A BIOSOLIDS.
4) THE MOISTURE LEVEL SHALL BE SUCH THAT NO VISIBLE WATER OR DUST IS PRODUCED WHEN HANDLING THE MATERIAL.
D. COMPOSTED PINE BARK FINES: SHALL BE APPROVED COMPOSTED, GROUND PINE BARK HAVING NO PARTICLE WITH A DIMENSION GREATER THAN 3/4 INCH. NO MORE THAN 10% SHALL BE WOOD.
E. SAND: SHALL BE QUARTZ BASED SHARP CONCRETE SAND, ASTM C-33 FINE AGGREGATE, WITH A FINES MODULUS INDEX BETWEEN 2.8 AND 3.2.
F. PERLITE: COARSE HORTICULTURAL GRADE EXPANDED, VOLCANIC PERLITE. MAXIMUM DENSITY SHALL BE 8 LB./F13.
1) PH SHALL BE 6.5 TO 7.5.
2) PERLITE SHALL BE MEET THE PERLITE INSTITUTE'S STANDARDS FOR GRADATION FOR HORTICULTURAL PERLITE FOR COARSE PERLITE WITH NO MORE THAN 70% PASSING THROUGH A #16 STANDARD SIEVE.
G. HUMUS: SHALL BE MATURE, STABLE, WEED FREE, AND PRODUCED BY AEROBIC DECOMPOSITION OF ORGANIC MATTER. COMPOST FEEDSTOCK SHALL BE PLANT MATTER, SUCH AS HIGH LIGNIN FORESTRY PRODUCTS OR YARD WASTE (LEAVES, BRUSH AND YARD TRIMMINGS).
1) HUMUS SHALL HAVE A PH BETWEEN 6 AND 7.5.
2) SOLUBLE SALT CONCENTRATION SHALL BE LESS THAN 100S/M.
3) CATION EXCHANGE CAPACITY RATE SHALL BE 100-250.
4) THE PRODUCT MUST NOT CONTAIN ANY VISIBLE REFUSE OR OTHER PHYSICAL CONTAMINANTS, SUBSTANCES TOXIC TO PLANTS, OR OVER 5% SAND, SILT, CLAY OR ROCK MATERIAL BY DRY WEIGHT.
5) THE PRODUCT SHALL POSSESS NO OBJECTIONABLE ODORS. THE PRODUCT MUST MEET ALL APPLICABLE USEPA CFR, TITLE 40, PART 503 STANDARDS FOR CLASS A BIOSOLIDS.
6) THE MOISTURE LEVEL SHALL BE SUCH THAT NO VISIBLE WATER OR DUST IS PRODUCED WHEN HANDLING THE MATERIAL.
H. TRACE ELEMENTS: SHALL BE COMMERCIALLY AVAILABLE SLOW RELEASE MATERIALS CONTAINING ZINC (ZN), MOLYBDENUM (MO), COPPER (CU), BORON (B), AND MAGNESIUM (MN).
I. FERTILIZER: A COMMERCIAL FERTILIZER FOR ORNAMENTAL TREES, SHRUBS AND GROUND COVER WITH AN ANALYSIS OF 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM SHALL BE USED. THIS FERTILIZER SHALL BE GRANULAR WITH A MINIMUM OF 50% OF THE TOTAL NITROGEN IN ORGANIC FORM. 14-14-14-OSMOCOTE (OR APPROVED EQUAL) SHALL BE APPLIED AT A RATE OF 10 LBS. PER SQUARE FOOT, TILLED TO A DEPTH OF 8 INCH. SHALL BE USED FOR PERENNIALS.
J. SOIL SEPARATOR: SHALL BE ROT RESISTANT NON-WOVEN POLYPROPYLENE FILTER FABRIC, WATER PERMEABLE, AND UNAFFECTED BY FREEZING AND THAWING. ACCEPTABLE PRODUCTS INCLUDE: MIRAFI 140N, MIRAFI CIVIL ENGINEERING CO., OR STABLENKA TYPE T-80, AMERICAN ENKA CO., ENKA, N.C.
K. PLANTER DRAINAGE FABRIC: SHALL BE PREFABRICATED PLANTER DRAINAGE FABRIC MIRADRAIN 9000, A COMPOSITE SYSTEM CONSISTING OF A MIRAFI DRAINAGE FABRIC BONDED TO A THREE-DIMENSIONAL HIGHLY IMPACT-RESISTANT PLASTIC CORE. THE CORE SHALL HAVE THE FOLLOWING ATTRIBUTES:
1) COMPRESSIVE STRENGTH: (ASTM D-1621), 15,000 + PSF.
2) OVERLAPS: SHALL BE CAPABLE OF MECHANICALLY INTERLOCKING SO AS TO PREVENT SEPARATION OF THE OVERLAPS DURING BACKFILL.

7. PLANT MATERIALS: (REFER TO THE PLANT LIST ON THE DRAWINGS FOR SPECIFIC TYPES AND QUANTITIES OF PLANTS):
A. PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES. PLANTS SHALL EITHER BE OBTAINED FROM LOCAL NURSERIES AND/OR OTHERS, WHICH HAVE SOIL (HEAVY CLAY) AND CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT.
B. PLANT MATERIAL GROWN IN SANDY, WELL-DRAINED SOIL WILL NOT BE APPROVED FOR THIS PROJECT. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY AND UNLESS SPECIFICALLY NOTED OTHERWISE, ALL PLANTS SHALL BE OF SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, SYMMETRICAL, TIGHTLY-KNIT PLANTS, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY.

- C. PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ANY CONDITIONS THAT WOULD PREVENT THRIVING HEALTH AND THE DESIRED APPEARANCE.
D. TREES, WHICH HAVE A DAMAGED OR CROOKED LEADER, OR MULTIPLE LEADERS, UNLESS SPECIFIED IN THE PLANT LIST, WILL BE REJECTED. TREES WITH ABRASION OF THE BARK, SUN SCALD, DISFIGURING KNOTS, OR PRUNING CUTS MORE THAN 1 1/4 INCH DIAMETER WHICH HAVE NOT COMPLETELY CALLEDUS, WILL BE REJECTED.
E. PLANTS SHALL CONFORM TO MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULES EXCEPT THAT PLANTS LARGER THAN SPECIFIED MAY BE USED IF ACCEPTABLE TO THE LANDSCAPE ARCHITECT OR OWNER. USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. IF LARGER PLANTS ARE ACCEPTED, THE ROOT BALL SHALL BE SIZED FOR THE LARGER PLANT.
F. CALIPER MEASUREMENT: SHALL BE TAKEN AT A POINT ON THE TRUNK 6 INCHES ABOVE NATURAL GROUND LINE FOR TREES UP TO 4 INCHES DIAMETER, AND AT A POINT 12 INCHES ABOVE THE NATURAL GROUND LINE FOR TREES OVER 4 INCHES DIAMETER.
G. PLANTS SHALL BE MEASURED WHEN BRANCHES ARE IN THE NORMAL POSITION. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP.
8. SOIL MIXING PROCEDURES:
A. TOPSOIL USED IN SAND/SOIL MIXES SHALL BE SCREENED OR SHREDDED PRIOR TO MIXING IN SANDS. MAXIMUM CLOD INCLUSION FOR SOIL MIXES SHALL NOT EXCEED:
CLOD SIZE (LARGEST DIMENSION) % OF THE SOIL MIX VOLUME
LESS THAN 1" UNLIMITED
1 TO 3 INCHES 20%
3 TO 6 INCHES 5%
>6 INCHES LESS THAN 2%
B. SOURCE MATERIAL AND SOIL MIX STOCKPILES SHALL BE PROTECTED FROM RAIN BY COVERING WITH FILTER CLOTH.
9. INSPECTION:
A. EXAMINE THE AREAS AND CONDITIONS WHERE SOIL MIX IS TO BE INSTALLED AND NOTIFY THE ARCHITECT OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED TO PERMIT PROPER INSTALLATION OF THE WORK.
B. COOPERATE WITH OTHER CONTRACTORS AND TRADES WORKING IN AND ADJACENT TO OTHER WORK AREAS. EXAMINE DRAWINGS WHICH SHOW DEVELOPMENT OF ENTIRE PROJECT AND BECOME FAMILIAR WITH SCOPE OF OTHER WORK REQUIRED.
10. SOIL INSTALLATION - GENERAL PROCEDURES:
A. IF SUBGRADE SOIL COMPACTION EXCEEDS 80%, EXISTING SOIL SHALL BE RIPPED TO A DEPTH OF 12 INCH TO ALLEViate COMPACTION WHICH HAS TAKEN PLACE DURING CONSTRUCTION. PRIOR TO LOOSENING OF SOIL, CONTRACTOR MUST LOCATE EXISTING UTILITIES AND COORDINATE WITH OWNER ANY UNDERGROUND ELECTRIC LINES, DRAINAGE PIPES, CONDUITS, ETC.
B. PREPARE THE SUBGRADE BY ROUGHENING THE TOP 3" OF THE SUBSOIL BY DRAGGING THE TEETH OF A BACKHOE BUCKET ACROSS THE SURFACE.
C. BEGIN SOIL INSTALLATION AS SOON AS SUBSOIL IS PREPARED. USE LOW IMPACT EQUIPMENT WITH TRACK BELTS, LARGE TIRES, OR LOW TIRE PRESSURE TO LOWER COMPACTION AND SOIL DAMAGE DURING INSTALLATION.
D. MONITOR COMPACTION DURING INSTALLATION AND LOOSEN SOILS AS NEEDED IF COMPACTION EXCEEDS 80%.
E. INSTALL SPECIFIED SOIL IN 12"-18" THICK LIFTS. COMPACT EACH LIFT SUFFICIENTLY TO REDUCE SETTLING BUT NOT ENOUGH TO PREVENT THE MOVEMENT OF WATER AND FEEDER ROOTS THROUGH THE SOIL. THE SOILS IN EACH LIFT SHOULD FEEL FIRM TO THE FOOT IN ALL AREAS AND MAKE ONLY SLIGHT HEEL PRINTS.
11. INSTALLATION OF SOIL MIX FOR LAWN AREAS ON GRADE:
A. SOIL MIX FOR LAWNS ON GRADE: SHALL CONSIST OF 10% COMPOST AND 90% TOPSOIL, BY VOLUME. THESE MATERIALS MUST MEET SPECIFICATIONS DESCRIBED IN SECTION 2.00.
B. LOOSEN SUBGRADE LAWN AREAS TO A MINIMUM OF 3". REMOVE STONES MORE THAN 1-1/2" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER. LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED PROMPTLY AFTER PREPARATION.
C. SPREAD SOIL MIX FOR LAWN AREAS ON GRADE TO A MINIMUM DEPTH OF 8" AS REQUIRED TO MEET GRADE AND ELEVATIONS SHOWN ON DRAWINGS, AFTER LIGHTLY ROLLING AND NATURAL SETTLEMENT. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED.
12. INSTALLATION OF SOIL MIX FOR TREE PITS ON GRADE:
A. CONFIRM THAT NATIVE SUBSOIL DRAINS AT A RATE OF AT LEAST 1/2" PER HOUR. IF DRAINAGE IS LESS THAN 1/2" PER HOUR, PROVIDE SUBSURFACE DRAINAGE LINES.
B. INSTALL 30-36" OF SOIL MIX FOR TREE PIT BACKFILL ON GRADE:
1) SHALL CONSIST OF CLAY LOAM TO SANDY CLAY LOAM SOIL, SAND, AND COMPOSTED PINE BARK FINES AT A RATE OF 5.5:1 TO 10.5:1.5 TO ACHIEVE THE FOLLOWING:
(a)CLAY CONTENT OF SOIL MIX SHALL BE 10-20% OF THE SOIL MIX, BY VOLUME.
(b)MINIMUM AMOUNT OF COARSE TO MEDIUM SAND IN THE MIX SHALL BE 55%
(c)MINIMUM INFILTRATION RATE AT 80-85% COMPACTION SHALL BE 1-3 INCHES PER HOUR.
A. COMPOSTED PINE BARK FINES SHALL NOT EXCEED 10% OF THE TOTAL SOIL MIX BY VOLUME.
B. TILL 4" OF COMPOST INTO THE TOP 6" OF THE INSTALLED SOIL MIX FOR TREE PIT BACKFILL ON GRADE.
13. INSTALLATION OF SOIL MIX FOR MULCHED SHRUB AND PERENNIAL BEDS:
A. CONFIRM THAT NATIVE SUBSOIL DRAINS AT A RATE OF AT LEAST 1/2" PER HOUR. IF DRAINAGE IS LESS THAN 1/2" PER HOUR, PROVIDE SUBSURFACE DRAINAGE LINES.
B. INSTALL 14" OF SOIL MIX FOR MULCHED SHRUB AND PERENNIAL BEDS ON GRADE:
1) SHALL CONSIST OF CLAY LOAM TO SANDY CLAY LOAM SOIL, SAND, AND COMPOSTED PINE BARK FINES AT A RATE OF 5.5:1 TO 10.5:1.5 TO ACHIEVE THE FOLLOWING:
(a)CLAY CONTENT OF SOIL MIX SHALL BE 10-20% OF THE SOIL MIX, BY VOLUME.
(b)MINIMUM AMOUNT OF COARSE TO MEDIUM SAND IN THE MIX SHALL BE 55%
(c)MINIMUM INFILTRATION RATE AT 80-85% COMPACTION SHALL BE 1-3 INCHES PER HOUR.
C. TILL 4" OF COMPOST INTO THE TOP 6" OF THE INSTALLED SOIL MIX FOR TREE PIT BACKFILL ON GRADE.
14. EROSION CONTROL MATERIAL AND PLANTING ON STEEP SLOPES:
A. MATERIAL MEETING THE REQUIREMENTS OF THE SPECIFICATIONS SHALL BE INSTALLED AND MAINTAINED ON THE DESIGNATED AREAS AS SHOWN AND SPECIFIED. THE AREAS TO BE COVERED SHALL BE PREPARED AND FERTILIZED AS SPECIFIED BEFORE THE EROSION MATERIAL IS PLACED. IMMEDIATELY PRIOR TO THE PLANTING OPERATIONS, THE MATERIAL SHALL BE LAID EVENLY, SMOOTHLY AND IN CONTACT WITH THE SOIL THROUGHOUT.
B. LAY EROSION CONTROL MATERIALS WITH ONE INCH NOMINAL OPENINGS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. UNROLL IN DIRECTION OF WATER FLOW. OVERLAP SHEETS BY AT LEAST 6 INCHES. WHERE STRIPS ARE TO BE SPLICED LENGTHWISE, OVERLAP STRIPS BY 8 INCHES. UPGRADE SECTION SHALL BE ON TOP OF ALL SPLICES.
C. THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE EROSION CONTROL MATERIAL UNTIL THE FINAL INSPECTION. MAINTENANCE SHALL CONSIST OF REPAIRS MADE NECESSARY BY EROSION, WIND OR ANY OTHER CAUSE. FOLLOWING THE RESTORATION OF DAMAGED AREAS UNDER PLANT AND TURF GUARANTEE AND ESTABLISHMENT REQUIREMENTS FOR APPLICABLE UNDERLYING ITEMS; THE EROSION CONTROL MATERIAL SHALL BE REPAIRED OR REPLACED TO MEET THE ORIGINAL REQUIREMENTS AND MAINTAINED UNTIL THE FINAL INSPECTION.
15. GENERAL PLANT INSTALLATION:
A. EXCAVATION: EXCAVATE ALL TREE PITS AND PLANTING AREAS TO THE WIDTH AND DEPTH SHOWN IN THE PLANTING DETAILS.
B. CENTER PLANT IN PIT AND ORIENT FOR THE BEST VISUAL EFFECT. SET PLANTS PLUMB AND HOLD RIGIDLY IN POSITION UNTIL SOIL HAS BEEN TAMPED FIRMLY AROUND ROOT BALL.
C. MULCH WITHIN 48 HOURS AFTER PLANTING AND AFTER APPLYING THE PRE-EMERGENT HERBICIDE, EXCEPT GROUND COVER AREAS (WHICH SHALL HAVE ORGANIC MATERIAL PLACED BEFORE PLANTING) WITH A 2" LAYER OF MULCH IMMEDIATELY AFTER PLANTING. ALL BED LINES SHALL BE CUT WITH A SMOOTH CONSISTENT EDGE TO A MINIMUM DEPTH OF 3 INCHES. KEEP MULCH OUT OF THE CROWNS OF SHRUBS AND OFF BUILDINGS, SIDEWALKS, LIGHT STANDARDS, AND OTHER STRUCTURES.
D. ALL PLANTING AREAS TO CONFORM TO SPECIFIED GRADES AFTER FULL SETTLEMENT HAS OCCURRED AND MULCH HAS BEEN APPLIED. PROVIDE SAUCERS AROUND TREE PITS AS SHOWN ON PLANTING DETAILS. REMOVE ALL TAGS, LABELS, STRINGS, ETC. FROM ALL PLANTS.
16. PERMANENT SEEDING OR SODDING FOR GRASS AREAS:
A. LAWN SEED OR SOD VARIETIES SHALL BE AN IMPROVED VARIETY TURF-TYPE TALL FESCUE BLEND. THE LANDSCAPE CONTRACTOR SHALL SELECT FROM VARIETIES APPROVED BY THE MARYLAND OR VIRGINIA DEPARTMENT OF AGRICULTURE.
B. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, FOR GUIDELINES, SPECIFICATIONS AND INSTALLATION TECHNIQUES OF SEED AND SOD.
C. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT AND LAWN AREA IS INSTALLED AND SHALL CONTINUE UNTIL 90 DAYS AFTER FINAL ACCEPTANCE OF THE LAST SECTION.

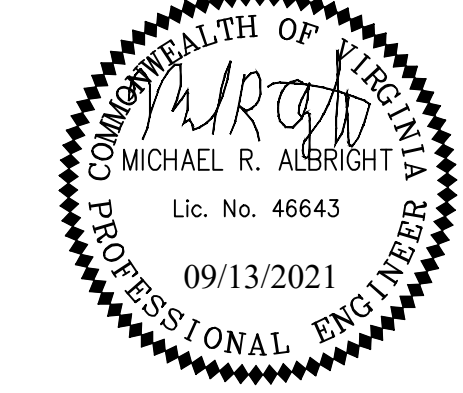


DEPARTMENT OF ENVIRONMENTAL SERVICES

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Fax: 703.228.3606

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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: KWA
Drawn: WDW
Checked: KWA
Miss Utility Transmittal #:

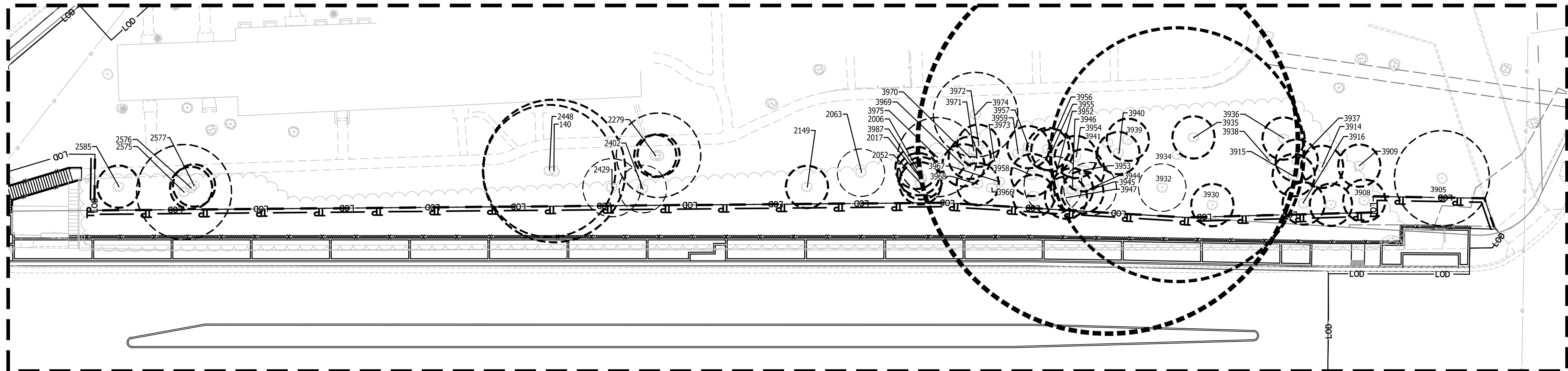
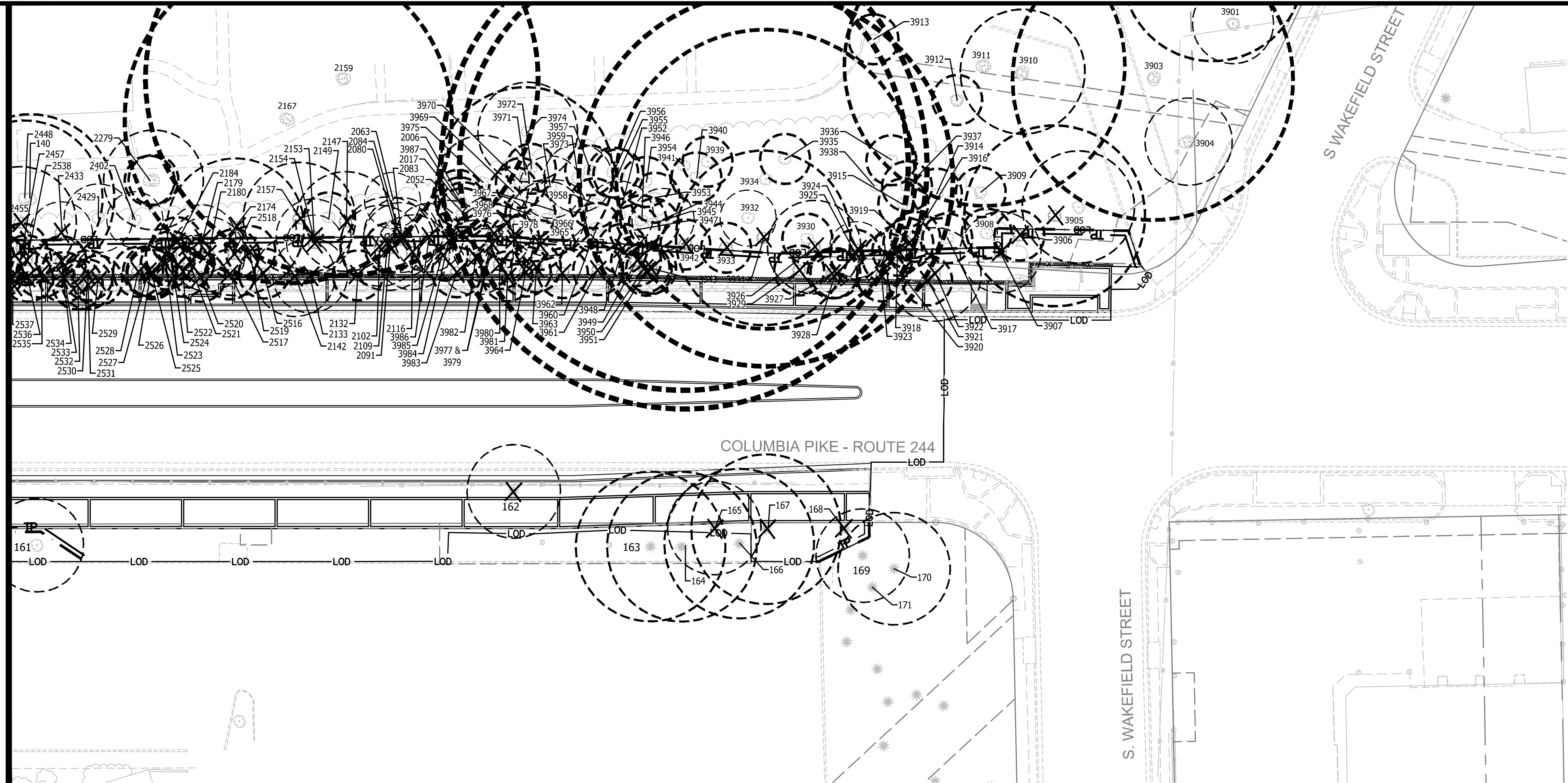
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Plotted: September 13, 2021
Plotted by: Ted.DeLio

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PLANT LIST
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F

SCALE: HOR. N/A VERT. N/A SHEET: F14.7 of F14.10.3

MATCHLINE STA: 164+00 - SEE SHEET F14.8.3



TREE PROTECTION PLAN CLARIFICATION

TREE PROTECTION LEGEND

- EXISTING TREE
- TREE TO BE REMOVED
- CRITICAL ROOT ZONE
- LIMITS OF DISTURBANCE
- ROOT PRUNING LINE
- TREE PROTECTION FENCE

TREE PROTECTION NOTES:

- SEE DETAIL 2 SHEET F14.9 FOR ROOT PRUNING TRENCH LOCATION.

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

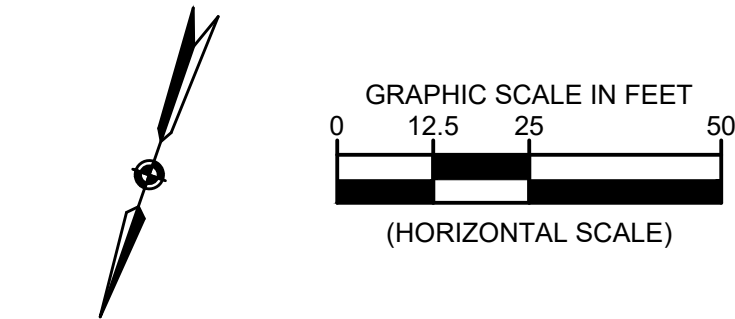
Transportation Director

Project Manager

Revisions	Date

Designed: KWA
Drawn: WDW
Checked: KWA
Miss Utility Transmittal #:

Filename: 010073-F-LAND-TREE PROTECTION.dwg
Path: Z:\NVA_KRW\Y11010073 Columbia Pike Multimodal\Production\Task
1 - Final Design of Columbia Pike Segment\Report\T15.2 - 100%
Design\Platbooks
Plotted: September 02, 2021
Plotted by: patrick.husted



ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

TREE PROTECTION PLAN
COLUMBIA PIKE - ROUTE 244
COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS
SEGMENT F
STA. 164+00 TO STA. 169+00

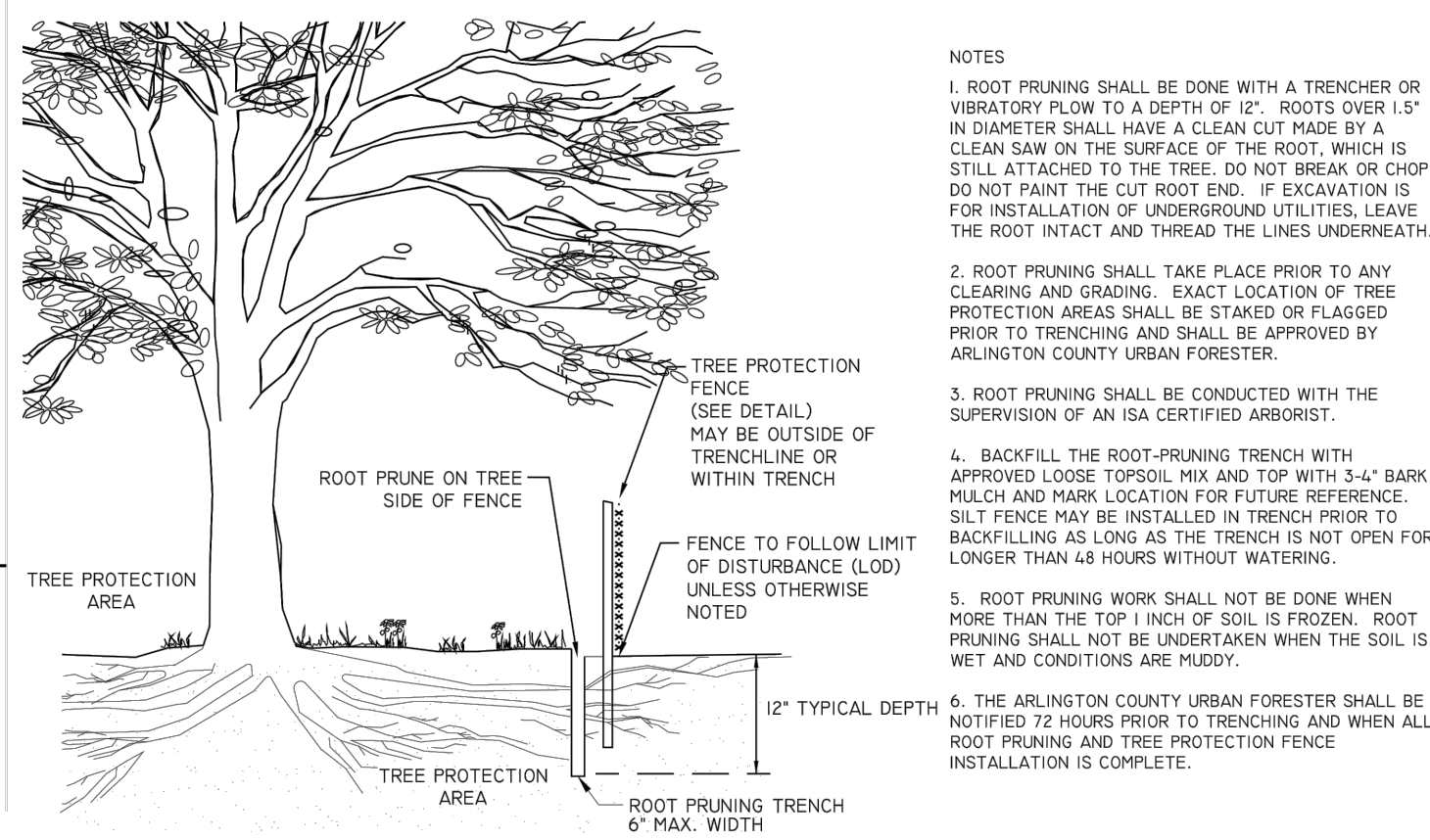
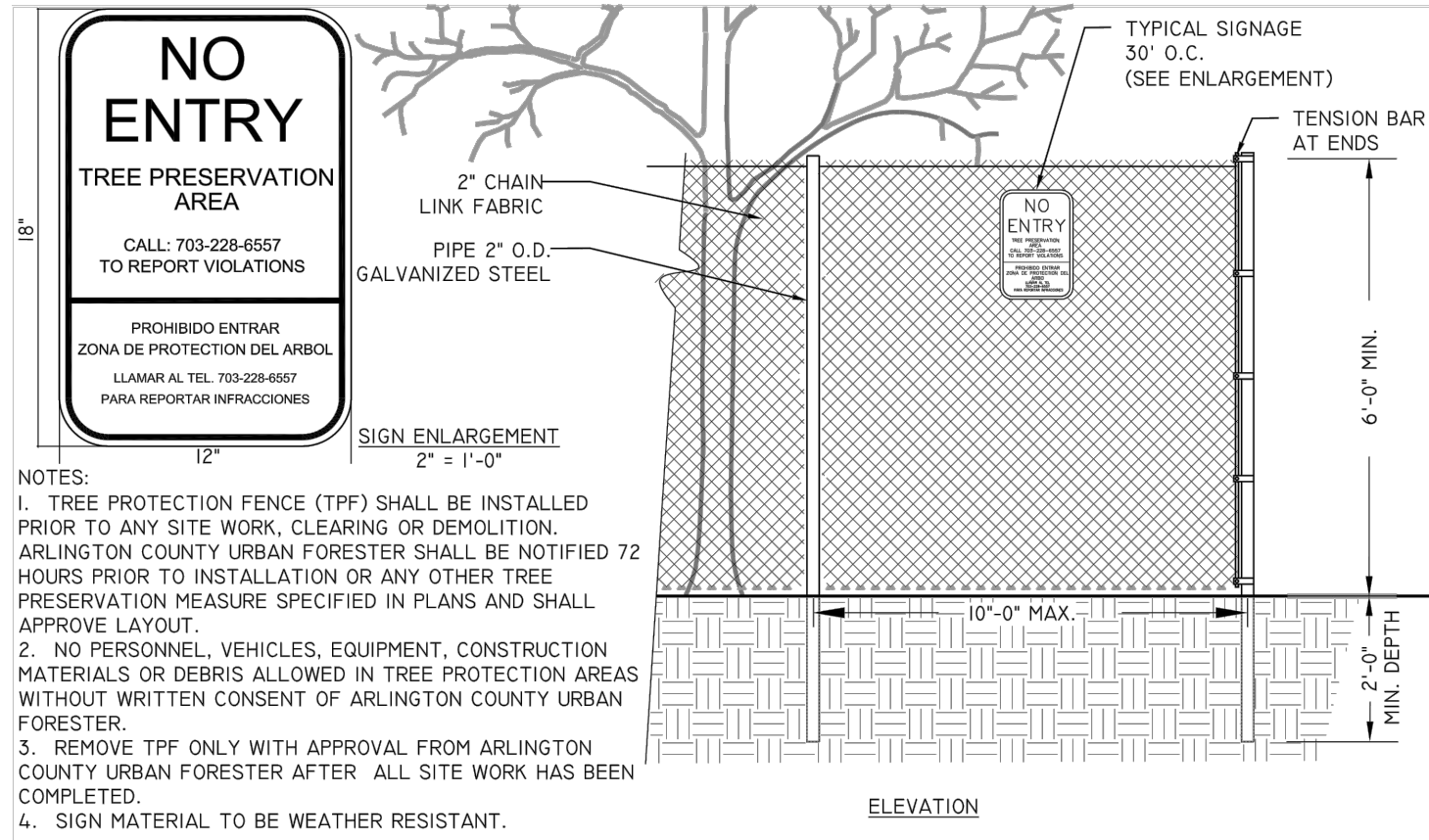
SCALE:	HOR. 1" = 25' VERT. N/A	SHEET:	F14.8.4 of F14.10.3
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ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

Luiz Araya
LUIS ARAYA
BUREAU CHIEF, DES - DEVELOPMENT SERVICES

10/19/2021
APPROVAL DATE

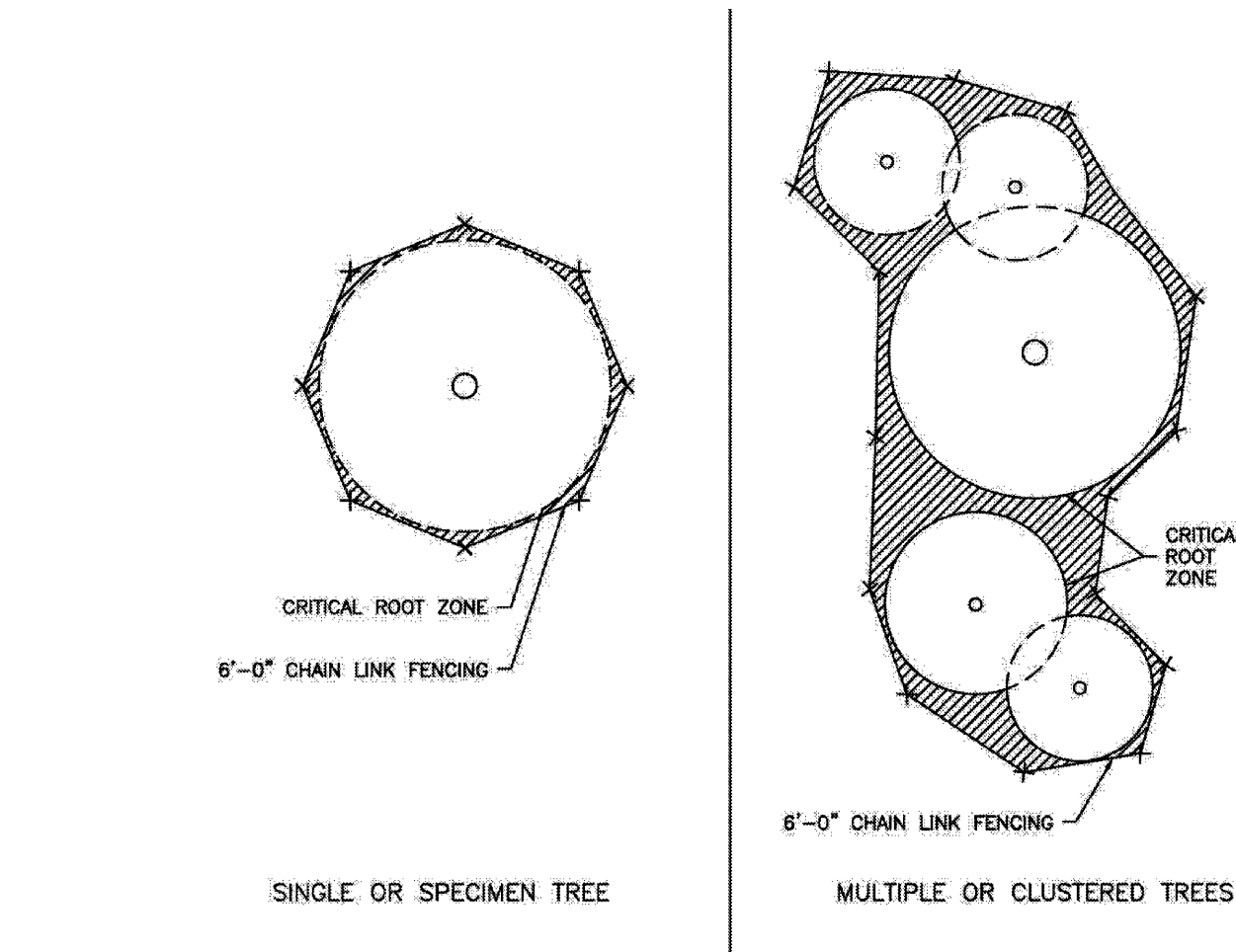


1 6' CHAIN LINK TREE PROTECTION FENCE

NTS

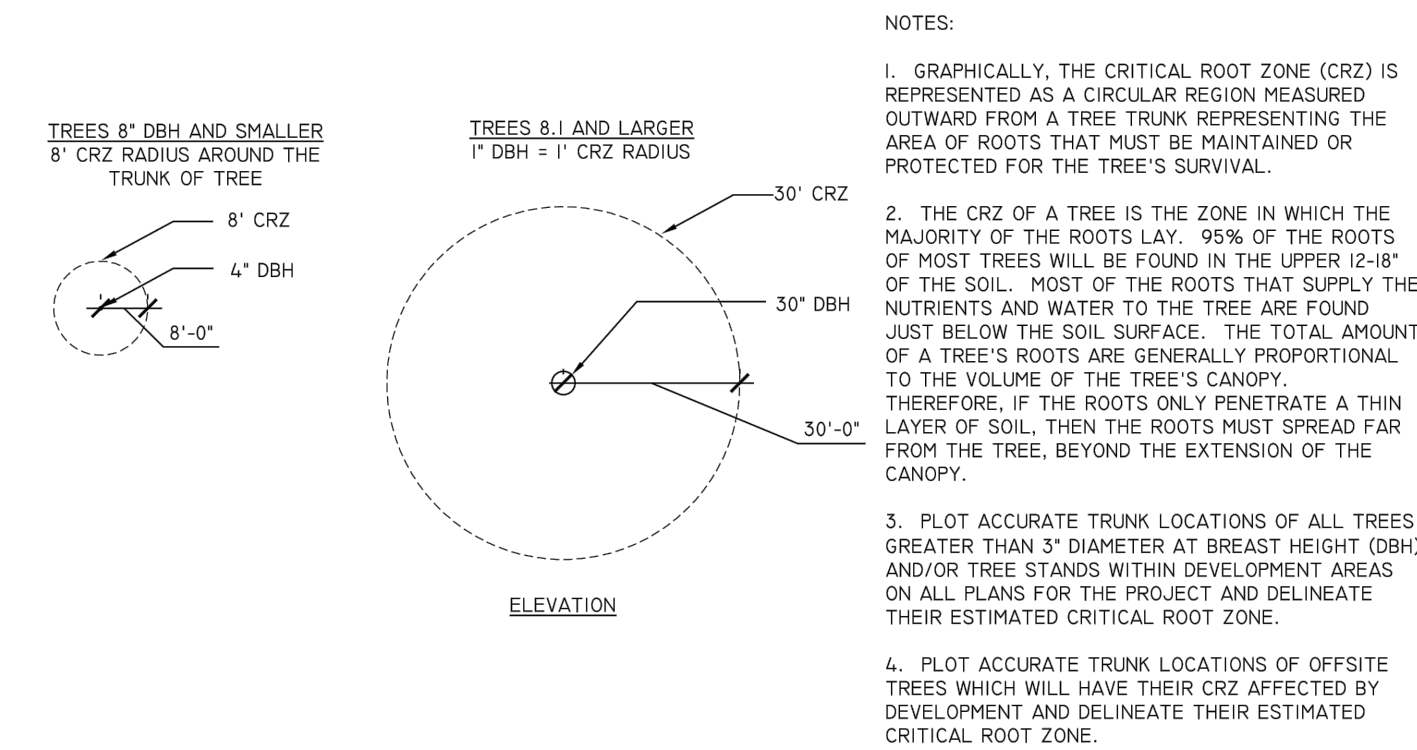
2 ROOT PRUNING

NTS



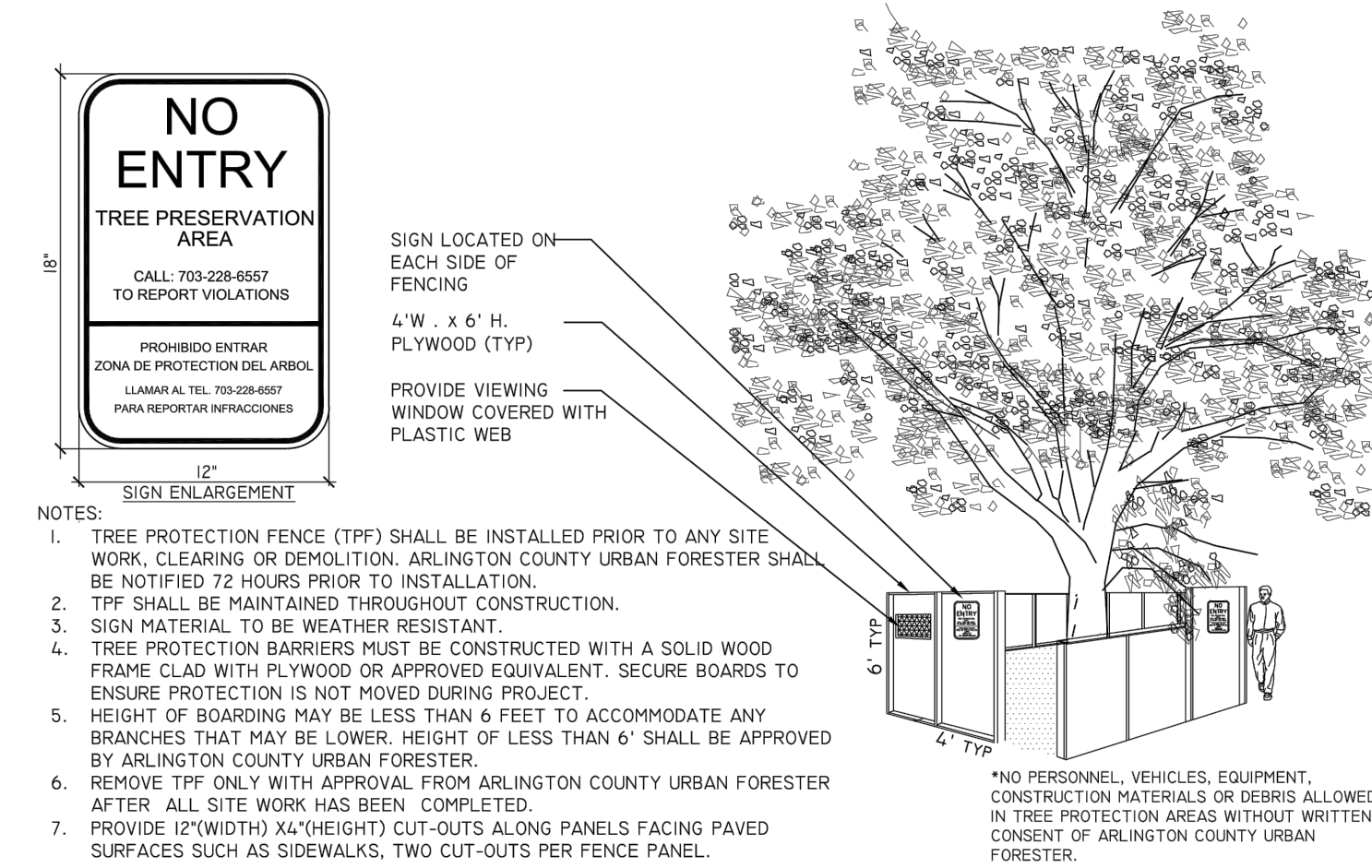
3 TREE PROTECTION FENCE, PLAN

NTS



4 DETERMINING CRITICAL ROOT ZONE

NTS



5 TREE PROTECTION BARRIERS FOR RESTRICTED SPACE & TREE PITS

NTS

TREE PROTECTION FENCING NOTES

- 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.
In areas where super silt fence (SSF) and the tree protection fence run parallel, SSF may be utilized for tree protection purposes upon approval by the County's Urban Forester.
- 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.
- 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 703-228-1863, 72 HOURS BEFORE CONSTRUCTION, TO INSPECT TREE PROTECTION.

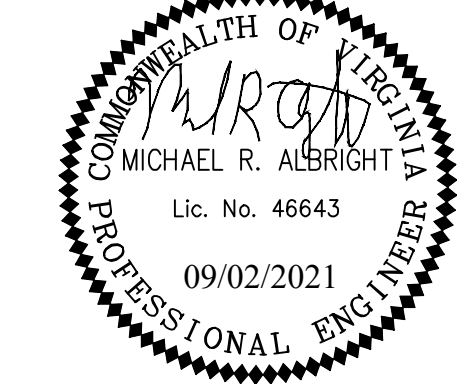


DEPARTMENT OF ENVIRONMENTAL SERVICES

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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: KWA
Drawn: WDW
Checked: KWA
Miss Utility Transmittal #:

Filename: 010073-F-LAND-TREE PROTECTION-D
Path: K:\NVA_RDP\Y11010073 Columbia Pike Multimodal Production\Task
17 Final Design of Columbia Pike Segment F\1.2 - 100%
Design\Drawings
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES		
TREE PROTECTION DETAILS COLUMBIA PIKE - ROUTE 244 COLUMBIA PIKE - MULTIMODAL STREET IMPROVEMENTS SEGMENT F		
SCALE:	HOR. N/A VERT. N/A	SHEET: F14.9 of F14.10.3



DEPARTMENT OF ENVIRONMENTAL SERVICES

10/19/2021
APPROVAL DATE

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
X	1	5	75		Magnolia grandiflora	Southern Magnolia	70	2.63	1	
X	2	12	13	75	Carya illinoensis	Pecan	75	7.31	2	
X	3	12	13	70	Platanus x acerifolia	London Planetree	65	5.92	2	
X	4	12	13	70	Platanus x acerifolia	London Planetree	65	5.92	2	
	5	4" Triple	4	70	Lagerstroemia indica	Crape Myrtle	70			Protect
	6	12	13	70	Prunus yedoensis	Yoshino Cherry	60			Protect
	7	39	1	4		N/A				Not present
X	8	19	18	75	Platanus x acerifolia	London Planetree	65	8.78	2	Critical Root zone too impacted to save
X	9	21	20	75	Platanus x acerifolia	London Planetree	65	9.75	2	Critical Root zone too impacted to save
X	10	19	19	75	Platanus x acerifolia	London Planetree	65	9.26	2	Critical Root zone too impacted to save
X	11	12	12	80	Carya illinoensis	Pecan	75	7.20	2	
X	12	15	15	80	Carya illinoensis	Pecan	75	9.00	2	
X	13	6	6	80	Carya illinoensis	Pecan	75	3.60	1	
	14	12	12	70	Acer rubrum	Red Maple	70			Within LOD
	15	18	20	80	Magnolia grandiflora	Southern Magnolia	70			Within LOD
	16	18	16	80	Magnolia grandiflora	Southern Magnolia	70			Within LOD
	17	12	10	70	Styphnolobium japonica	Japanese Pagodatree	40			Within LOD
X	18	24	24	65	Quercus rubra	Northern Red Oak	75	11.70	3	
X	19	15	15	75	Carya illinoensis	Pecan	75	8.44	2	
X	19A		4	65	Ilex x attenuata	Foster's Holly	75	1.95	1	Not numbered on original inventory, behind sidewalk near 19
X	20	8	10	75	Carya illinoensis	Pecan	75	5.63	2	
X	21	9	11	75	Carya illinoensis	Pecan	75	6.19	2	
X	21A	12								
X	22	12	12	75	Carya illinoensis	Pecan	75	6.75	2	
X	23	20	18	80	Carya illinoensis	Pecan	75	10.80	3	
X	24	12	14	75	Carya illinoensis	Pecan	75	7.88	2	
	25	26	18	75	Acer rubrum	Red Maple	70			Protect
X	26	9	10	75	Carya illinoensis	Pecan	75	5.63	2	
X	27	6	6	75	Carya illinoensis	Pecan	75	3.38	1	
X	28	24	23	65	Acer rubrum	Red Maple	70	10.47	3	Within LOD
	29	28	25	70	Acer rubrum	Red Maple	70			Within LOD
	30	28	12	65	Acer rubrum	Red Maple	70			Protect
X	30A	24								
X	31	24	23	70	Gleditsia triacanthos	Honeylocust	65	10.47	3	Within LOD
	32	20	18	50	Quercus palustris	Pin oak	65			Protect
X	33	20	22	60	Quercus palustris	Pin oak	65	8.58	2	Within LOD
X	34	12	12	75	Carya illinoensis	Pecan	75	6.75	2	
X	35	12	10	75	Carya illinoensis	Pecan	75	5.63	2	
X	36	15	10	75	Carya illinoensis	Pecan	75	5.63	2	
	37	18	24	75	Ilex opaca	American Holly	75			Protect
X	38	6" Quad	4	60	Lagerstroemia indica	Crape Myrtle	70	1.68	1	Protect
X	39	12	11	75	Platanus x acerifolia	London Planetree	65	5.36	2	
X	40	12	12	70	Platanus x acerifolia	London Planetree	65	5.46	2	
X	41	12	11	70	Platanus x acerifolia	London Planetree	65	5.01	2	
	42	38	42	70	Quercus falcata	Southern Red Oak	75			Protect
X	43	8	6	70	Platanus x acerifolia	London Planetree	65	2.73	1	
X	44	8	5	70	Platanus x acerifolia	London Planetree	65	2.28	1	
	45	3	3	60	Acer rubrum	Red Maple	70			
X	46	15	14	65	Gleditsia triacanthos	Honeylocust	65	5.92	2	
	46A	3	3	80	Quercus coccinea	Scarlet Oak	70			
X	47	8	10	70	Gleditsia triacanthos	Honeylocust	65	4.55	1	
X	48	12	15	70	Gleditsia triacanthos	Honeylocust	65	6.83	2	
X	49	24	19	70	Gleditsia triacanthos	Honeylocust	65	8.65	2	
X	50	15	10	65	Gleditsia triacanthos	Honeylocust	65	4.23	1	
X	51	12	11	60	Gleditsia triacanthos	Honeylocust	65	4.29	1	
X	52	10	10	70	Gleditsia triacanthos	Honeylocust	65	4.55	1	
X	53	12	8	65	Gleditsia triacanthos	Honeylocust	65	3.38	1	
X	54	12	12	70	Gleditsia triacanthos	Honeylocust	65	5.46	2	
X	55	12	10	60	Gleditsia triacanthos	Honeylocust	65	3.90	1	
X	56	15	13	60	Gleditsia triacanthos	Honeylocust	65	5.07	2	
X	57	12	10	65	Gleditsia triacanthos	Honeylocust	65	4.23	1	
X	58	8	6	65	Gleditsia triacanthos	Honeylocust	65	2.54	1	
X	59	12	11	65	Gleditsia triacanthos	Honeylocust	65	4.65	1	
X	60	15	10	65	Gleditsia triacanthos	Honeylocust	65	4.23	1	
X	61	10	8	50	Gleditsia triacanthos	Honeylocust	65	2.60	1	
X	62	12	10	20	Gleditsia triacanthos	Honeylocust	65	1.30	1	
X	63	15	13	65	Gleditsia triacanthos	Honeylocust	65	5.49	2	
X	64	15	15	70	Gleditsia triacanthos	Honeylocust	65	6.83	2	
X	65	15	15	70	Gleditsia triacanthos	Honeylocust	65	6.83	2	
	65A	12	8	65	Prunus yedoensis	Yoshino Cherry	60			
	65B	10	10	60	Gleditsia triacanthos	Honeylocust	65			
	65C	10	12	50	Gleditsia triacanthos	Honeylocust	65			
	65D	10	6	50	Gleditsia triacanthos	Honeylocust	65			
	66	8	8	80	Ilex 'Nellie Stevens'	Nellie Stevens Holly	70			
X	67	15	18	80	Gleditsia triacanthos	Honeylocust	65	9.36	2	Within LOD
	68	15	17	80	Gleditsia triacanthos	Honeylocust	65			
	69	3				N/A				Too Small to inventory
X	70	3	3	80	Magnolia grandiflora	Southern Magnolia	70	1.68	1	Within LOD
X	70A		4	75	Acer rubrum	Red Maple	70	2.10	1	Within LOD. Next to 70 in sidewalk on Quincy St
X	71	3" Twin				N/A				Too Small to inventory
	72	3" Twin				N/A				Too Small to inventory
	73	3" Twin				N/A				Too Small to inventory
	74	3" Twin				N/A				Too Small to inventory
X	75	5	5	55	Acer rubrum	Red Maple	70	1.93	1	
X	76	5	5	65	Acer rubrum	Red Maple	70	2.28	1	
X	77	5	4	55	Acer rubrum	Red Maple	70	1.54	1	
	78	3" Twin				N/A				Too Small to inventory
	79	3				N/A				Too Small to inventory
	80	3				N/A				Too Small to inventory
	81	3				N/A				Too Small to inventory
X	82	5				N/A				
X	83	5	5	65	Acer rubrum	Red Maple	70	2.28	1	
X	84	5	4	65	Acer rubrum	Red Maple	70	1.82	1	
	85	3" Twin				N/A				Too Small to inventory
	86	3" Twin				N/A				Too Small to inventory
X	87	5	4	60	Acer rubrum	Red Maple	70	1.68	1	
	88	3" Twin				N/A				Too Small to inventory
	89	3" Twin				N/A				Too Small to inventory
X	90	5	4	75	Acer rubrum	Red Maple	70	2.10	1	
	91	3				N/A				Too Small to inventory
X	92	5	4	70	Acer rubrum	Red Maple	70	1.96	1	
	93	3				N/A				Too Small to inventory
	94	3				N/A				Too Small to inventory
	95	3				N/A				Too Small to inventory
	96	30	3	80	Quercus phellos	Willow Oak	70			Significant survey size error
	97	5	5	60	Acer rubrum	Red Maple	70			Adjacent to LOD
	98	5	4	70	Acer rubrum	Red Maple	70			Light fill over roots
	99	10	6	65	Acer palmatum	Japanese Maple	70			
X	100	12	5	50	Pyrus calleryana	Callery Pear	20	0.50		
X	101	10	15	70	Platanus x acerifolia	London Planetree	65	6.83	2	
X	101A	4	3	75	Pyrus calleryana	Callery Pear	20	0.45		
X	102	15	10	60	Pyrus calleryana	Callery Pear	20	1.20	1	

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
X	103	10	6	70	Platanus x acerifolia	London Planetree	65	2.73	1	
X	104	62	60	65	Quercus phellos	Willow Oak	70	27.30	6	
X	105	18	16	75	Juniperus virginiana	Eastern Redcedar	75	9.00	2	
X	106	24	27	30	Quercus palustris	Pin oak	65	5.27	2	Declining
X	107	16	28	50	Liquidambar styraciflua	Sweetgum	60	8.40	2	
X	108	10				N/A				Removed by C.V. project
X	109	10				N/A				Removed by C.V. project
X	110	12				N/A				Removed by C.V. project
X	111	15				N/A				Removed by C.V. project
X	112	12				N/A				Removed by C.V. project
X	113	15				N/A				Removed by C.V. project
X	114	10				N/A				Removed by C.V. project
X	115	8				N/A				Removed by C.V. project
X	116	18				N/A				Removed by C.V. project
X	117	24				N/A				Removed by C.V. project
X	118	4				N/A				Removed by C.V. project
X	119	6				N/A				Removed by C.V. project
X	120	4				N/A				Removed by C.V. project
X	121	12				N/A				Removed by C.V. project
X	122	10				N/A				Removed by C.V. project
X	123	10				N/A				Removed by C.V. project
X	124	12				N/A				Removed by C.V. project
X	125	12" Twin				N/A				Removed by C.V. project
X	126	12" Twin				N/A				Removed by C.V. project
X	127	6				N/A				Too Small to Inventory
X	128	18	4	40	Ailanthus altissima	Tree-of-heaven	25	0.40		Significant survey size error
X	129	26	6	30	Ailanthus altissima	Tree-of-heaven	25	0.45		Significant survey size error
X	130	18	8	20	Ailanthus altissima	Tree-of-heaven	25	0.40		Significant survey size error
X	131	15	6	30	Ailanthus altissima	Tree-of-heaven	25	0.45		Significant survey size error
X	132	15	5	45	Ailanthus altissima	Tree-of-heaven	25	0.56		Significant survey size error
	133	3" Twin				N/A				Too Small to Inventory
	134	5" Multi				N/A				Too Small to Inventory
	135	24	18	80	Quercus phellos	Willow Oak	70			Protect
X	136	36	18	40	Prunus yedoensis	Yoshino Cherry	60	4.32	1	
	137	48	22	50	Prunus yedoensis	Yoshino Cherry	60			Protect
X	138	20	4	65	Lagerstroemia indica	Crape Myrtle	70	1.82	1	Significant survey size error
	139	10				N/A				Not present
	140	27	20	50	Quercus phellos	Willow Oak	70			Protect
X	141	15	14	50	Quercus rubra	Northern Red Oak	75	5.25	2	Within LOD
X	142	15	15	45	Pinus strobus	Eastern White Pine	60	4.05	1	Critical Root zone too impacted to save
X	143	15	14	40	Pinus strobus	Eastern White Pine	60	3.36	1	Critical Root zone too impacted to save
X	144	12	14	40	Pinus strobus	Eastern White Pine	60	3.36	1	Critical Root zone too impacted to save
X	145	10	9	40	Pinus strobus	Eastern White Pine	60	2.16	1	Critical Root zone too impacted to save
X	146	10	10	55	Pinus strobus	Eastern White Pine	60	3.30	1	
X	147	15	15	60	Pinus strobus	Eastern White Pine	60	5.40	2	Protect
X	148	15	15	50	Pinus strobus	Eastern White Pine	60	4.50	1	
	149	18	18	60	Pinus strobus	Eastern White Pine	60			Protect
X	150	15	14	45	Pinus strobus	Eastern White Pine	60	3.78	1	Protect
	151	15	13	50	Pinus strobus	Eastern White Pine	60			Protect
	152	18	15	75	Acer rubrum	Red Maple	70			Protect
X	153	12	14	70	Ilex opaca	American Holly	75	7.35	2	
	154	38	28	70	Quercus phellos	Willow Oak	70			Mill & Overlay over existing pavement within the CRZ
	155	36	30	65	Quercus phellos	Willow Oak	70			Mill & Overlay over existing pavement within the CRZ
X	156	13	12	60	Ilex opaca	American Holly	75	5.40	2	
	157	10	10	45	Acer rubrum	Red Maple	70			
	158	15	16	60	Acer rubrum	Red Maple	70			
X	159	8	6	75	Acer rubrum	Red Maple	70	3.15	1	Critical Root zone too impacted to save
	160	15	12	70	Acer rubrum	Red Maple	70			
	161	15	15	65	Acer rubrum	Red Maple	70			
X	162	15	16	60	Pinus strobus	Eastern White Pine	60	5.76	2	
X	163	24	22	55	Pinus strobus	Eastern White Pine	60	7.26	2	
X	164	24	17	60	Pinus strobus	Eastern White Pine	60	6.12	2	
X	165	15	18	50	Pinus strobus	Eastern White Pine	60	5.40	2	Critical Root zone too impacted to save
X	166	24	20	45	Pinus strobus	Eastern White Pine	60	5.40	2	
X	167	24	20	50	Pinus strobus	Eastern White Pine	60	6.00	2	Critical Root zone too impacted to save
X	168	15	18	50	Pinus strobus	Eastern White Pine	60	5.40	2	Critical Root zone too impacted to save
	169	15	17	60	Pinus strobus	Eastern White Pine	60			
	170	18	20	65	Pinus strobus	Eastern White Pine	60			
	171	12	11	55	Pinus strobus	Eastern White Pine	60			Protect
	200	4	5	69	Lagerstroemia sp.	Crape Myrtle	80			
X	201	4	5	69	Lagerstroemia sp.	Crape Myrtle	80	2.75	1	
	202	3	3	63	Lagerstroemia sp.	Crape Myrtle	80			
	203	3	2	53	Lagerstroemia sp.	Crape Myrtle	80			
X	204	10	11	72	Magnolia fraseri	Fraser Magnolia	70	5.53	2	
X	205	12	12	78	Magnolia fraseri	Fraser Magnolia	70	6.56	2	
	206	4	8	72	Magnolia fraseri	Fraser Magnolia	70			

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
	3901	13	13	80	Quercus velutina	Black Oak	75			
	3902	29	29	80	Quercus velutina	Black Oak	75			
	3903	30	30	50	Quercus velutina	Black Oak	75			
	3904	15	15	70	Quercus velutina	Black Oak	75			
X	3905	29	29	50	Quercus alba	White Oak	75	10.88	3	
X	3906	8	4	40	Quercus velutina	Black Oak	75	1.20	1	
X	3907	13	13	50	Robinia pseudoacacia	Black Locust	75	4.88	1	
	3908	8	7	60	Prunus serotina	Black Cherry	65			
	3909	8	4	40	Quercus velutina	Black Oak	75			
	3910	20	20	70	Quercus alba	White Oak	75			
	3911	30	30	70	Quercus alba	White Oak	75			
	3912	8	7	60	Juniperus virginiana	Eastern Red Cedar	75			
	3913	8	8	60	Robinia pseudoacacia	Black Locust	75			
	3914	8	4	60	Robinia pseudoacacia	Black Locust	75			
	3915	8	7	30	Quercus alba	White Oak	75			
	3916	8	8	70	Fagus grandifolia	American Beech	75			
	3917	8	6	70	Robinia pseudoacacia	Black Locust	75			
X	3918	8	7	70	Quercus velutina	Black Oak	75	3.68	1	
X	3919	8	4	70	Fagus grandifolia	American Beech	75	2.10	1	
X	3920	8	4	40	Prunus serotina	Black Cherry	65	1.56	1	
X	3921	8	4	60	Robinia pseudoacacia	Black Locust	75	1.90	1	
X	3922	15	15	60	Cercis canadensis	Redbud	75	6.75	2	
X	3923	8	3	50	Cercis canadensis	Redbud	75	1.13	1	
X	3924	9	9	50	Acer saccharinum	Silver Maple	75	3.38	1	
X	3925	8	5	40	Quercus alba	White Oak	75	1.50	1	
X	3926	15	15	40	Quercus alba	White Oak	70	4.20	1	
X	3927	8	3	50	Cercis canadensis	Redbud	75	1.13	1	
X	3928	8	3	50	Cercis canadensis	Redbud	75	1.13	1	
X	3929	8	3	50	Cercis canadensis	Redbud	75	1.13	1	
	3930	8	6	30	Quercus alba	White Oak	75			
X	3931	28	28	70	Quercus alba	White Oak	75	14.70	3	
	3932	9	9	70	Fraxinus americana	White Ash	50			
X	3933	8	8	80	Prunus serotina	Black Cherry	65	4.16	1	
	3934	32	32	70	Quercus velutina	Black Oak	75			
	3935	8	7	30	Prunus serotina	Black Cherry	65			
	3936	8	6	60	Fraxinus americana	White Ash	50			
	3937	8	6	60	Prunus serotina	Black Cherry	65			
X	3938	n/a				N/A				Dead
	3939	8	4	40	Robinia pseudoacacia	Black Locust	75			
	3940	8	3	60	Quercus velutina	Black Oak	75			
	3941	52	52	70	Quercus alba	White Oak	75			
X	3942	8	4	40	Prunus serotina	Black Cherry	65	1.04	1	
X	3943	8	4	50	Acer saccharinum	Silver Maple	75	1.50	1	
	3944	10	10	70	Quercus velutina	Black Oak	75			
	3945	8	8	50	Prunus serotina	Black Cherry	65			
	3946	8	3	50	Quercus alba	White Oak	75			
	3947	8	8	50	Prunus serotina	Black Cherry	65			
X	3948	8	8	60	Prunus serotina	Black Cherry	65	3.12	1	
X	3949	8	3	70	Ailanthus altissima	Ailanthus	30	0.63		
X	3950	8	3	60	Ailanthus altissima	Ailanthus	30	0.54		
X	3951	8	3	50	Ailanthus altissima	Ailanthus	30	0.45		
	3952	11	11	70	Quercus velutina	Black Oak	75			
	3953	8	5	40	Prunus serotina	Black Cherry	65			
	3954	8	3	60	Ailanthus altissima	Ailanthus	30			
	3955	8	6	50	Prunus serotina	Black Cherry	65			
	3956	8	7	70	Fraxinus americana	White Ash	60			
	3957	8	5	70	Quercus velutina	Black Oak	75			
	3958	8	3	50	Ailanthus altissima	Ailanthus	30			
	3959	11	11	80	Prunus serotina	Black Cherry	65			
	3960	8	3	60	Ailanthus altissima	Ailanthus	30			
X	3961	8	4	60	Carya glabra	Pignut Hickory	75	1.80	1	
X	3962	8	6	60	Carya glabra	Pignut Hickory	75	2.70	1	
X	3963	8	6	60	Carya glabra	Pignut Hickory	75	2.70	1	
X	3964	8	3	50	Carya glabra	Pignut Hickory	75	1.13	1	
X	3965	8	7	70	Quercus alba	White Oak	75	3.68	1	
	3966	12	12	70	Quercus alba	White Oak	75			
	3967	10	10	70	Quercus alba	White Oak	75			
	3968	8	5	70	Prunus serotina	Black Cherry	60			
	3969	8	8	70	Quercus alba	White Oak	75			
	3970	8	7	40	Quercus alba	White Oak	75			
	3971	25	25	80	Quercus velutina	Black Oak	75			
	3972	8	6	60	Quercus alba	White Oak	75			
	3973	10	10	60	Quercus alba	White Oak	75			
	3974	16	16	20	Robinia pseudoacacia	Black Locust	75			
	3975	15	15	70	Carya glabra	Pignut Hickory	75			
X	3976	n/a				N/A				Dead
X	3977	12	12	30	Celtis occidentalis	Hackberry	70	2.52	1	
X	3978	8	6	20	Ailanthus altissima	Ailanthus	30	0.36		
X	3979	13	13	40	Celtis occidentalis	Hackberry	70	3.64	1	
X	3980	8	8	40	Celtis occidentalis	Hackberry	70	2.24	1	
X	3981	8	3	30	Prunus serotina	Black Cherry	65	0.59		
X	3982	12	12	80	Quercus velutina	Black Oak	75	7.20	2	
X	3983	8	5	80	Quercus alba	White Oak	75	3.00	1	
X	3984	13	13	70	Carya glabra	Pignut Hickory	75	6.83	2	
X	3985	8	5	70	Quercus alba	White Oak	75	2.63	1	
X	3986	11	11	70	Quercus velutina	Black Oak	75	5.78	2	
	3987	10	10	60	Prunus serotina	Black Cherry	65			
	2006	8	5	60	Prunus serotina	Black Cherry	65			
	2017	8	6	60	Prunus serotina	Black Cherry	65			
	2052	8	6	60	Prunus serotina	Black Cherry	65			
	2063	9	9	60	Ailanthus altissima	Ailanthus	30			
X	2080	n/a				N/A				Dead
X	2083	11	11	70	Carya glabra	Pignut Hickory	75	5.78	2	
X	2084	12	12	70	Carya glabra	Pignut Hickory	75	6.30	2	
X	2091	8	5	40	Ailanthus altissima	Ailanthus	30	0.60		
X	2102	13	13	60	Quercus velutina	Black Oak	75	5.85	2	
X	2109	15	15	40	Ailanthus altissima	Ailanthus	30	1.80	1	
X	2116	12	12	40	Ailanthus altissima	Ailanthus	30	1.44	1	
X	2132	8	4	40	Cercis canadensis	Redbud	75	1.20	1	
X	2133	12	12	40	Cercis canadensis	Redbud	75	3.60	1	
X	2142	13	13	60	Cercis canadensis	Redbud	75	5.85	2	
X	2147	16	16	60	Prunus serotina	Black Cherry	65	6.24	2	
	2149	8	6	40	Ailanthus altissima	Ailanthus	30			
X	2153	12	12	50	Ailanthus altissima	Ailanthus	30	1.80	1	
X	2154	9	9	50	Ailanthus altissima	Ailanthus	30	1.35	1	
X	2157	18	18	50	Quercus palustris	Pin Oak	75	6.75	2	
	2159	42	42	70	Quercus alba	White Oak	75			
	2167	35	35	70	Quercus alba	White Oak	75			
X	2174	22	22	75	Quercus alba	White Oak	75	12.38	3	
X	2179	11	11	50	Celtis occidentalis	Hackberry	70	3.85	1	
X	2180	12	12	60	Carya glabra	Pignut Hickory	75	5.40	2	
X	2184	8	8	70	Ailanthus altissima	Ailanthus	30	1.68	1	

SEE SHEET F14.10.3 FOR TOTALS

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
	2279	8	3	70	Quercus velutina	Black Oak	75			
	2402	9	9	60	Prunus serotina	Black Cherry	65			
	2429	11	11	60	Fraxinus americana	White Ash	60			
X	2433	10	10	70	Quercus palustris	Pin Oak	75	5.25	2	
	2448	25	25	80	Quercus phellos	Willow Oak	75			
X	2455	18	18	80	Carya glabra	Pignut Hickory	75	10.80	3	
X	2495	10	10	80	Quercus palustris	Pin Oak	75	6.00	2	
X	2497	8	4	60	Ailanthus altissima	Ailanthus	30	0.72		
X	2498	8	4	70	Carya glabra	Pignut Hickory	75	2.10	1	
X	2457	8	5	70	Ailanthus altissima	Ailanthus	30	1.05	1	
X	2458	n/a			N/A					Dead
X	2516	8	3	40	Ailanthus altissima	Ailanthus	30	0.36		
X	2517	8	5	50	Cercis canadensis	Redbud	75	1.88	1	
X	2518	8	8	30	Ailanthus altissima	Ailanthus	30	0.72		
X	2519	8	6	20	Ailanthus altissima	Ailanthus	30	0.36		
X	2520	8	4	60	Prunus serotina	Black Cherry	65	1.56	1	
X	2521	8	3	70	Prunus serotina	Black Cherry	65	1.37	1	
X	2522	8	4	40	Cercis canadensis	Redbud	75	1.20	1	
X	2523	8	3	50	Ailanthus altissima	Ailanthus	30	0.45		
X	2524	8	6	60	Ailanthus altissima	Ailanthus	30	1.08	1	
X	2525	8	3	60	Ailanthus altissima	Ailanthus	30	0.54		
X	2526	8	4	60	Prunus serotina	Black Cherry	65	1.56	1	
X	2527	8	3	60	Prunus serotina	Black Cherry	65	1.17	1	
X	2528	8	5	70	Cercis canadensis	Redbud	75	2.63	1	
X	2529	8	4	70	Prunus serotina	Black Cherry	65	1.82	1	
X	2530	8	6	70	Carya glabra	Pignut Hickory	75	3.15	1	
X	2531	8	6	70	Cercis canadensis	Redbud	75	3.15	1	
X	2532	8	4	60	Ailanthus altissima	Ailanthus	30	0.72		
X	2533	8	4	70	Cornus florida	Dogwood	75	2.10	1	
X	2534	8	3	60	Ailanthus altissima	Ailanthus	30	0.54		
X	2535	8	4	70	Cercis canadensis	Redbud	75	2.10	1	
X	2536	8	3	40	Prunus serotina	Black Cherry	65	0.78		
X	2537	n/a			N/A					Dead
X	2538	8	3	20	Prunus serotina	Black Cherry	65	0.39		
X	2539	8	5	60	Cercis canadensis	Redbud	75	2.25	1	
X	2540	8	4	60	Prunus serotina	Black Cherry	65	1.56	1	
X	2541	8	3	60	Prunus serotina	Black Cherry	65	1.17	1	
X	2542	8	6	70	Cercis canadensis	Redbud	75	3.15	1	
X	2543	8	4	70	Ailanthus altissima	Ailanthus	30	0.84		
X	2544	8	4	60	Ailanthus altissima	Ailanthus	30	0.72		
X	2545	12	12	70	Prunus serotina	Black Cherry	65	5.46	2	
X	2546	8	8	75	Quercus velutina	Black Oak	75	4.50	1	
X	2547	8	7	80	Quercus velutina	Black Oak	75	4.20	1	
X	2548	n/a			N/A					Dead
X	2549	8	3	50	Ailanthus altissima	Ailanthus	30	0.45		
X	2550	8	3	50	Ailanthus altissima	Ailanthus	30	0.45		
X	2551	8	4	50	Cornus florida	Dogwood	75	1.50	1	
X	2552	8	3	50	Prunus serotina	Black Cherry	65	0.98		
X	2553	8	4	60	Cercis canadensis	Redbud	75	1.80	1	
X	2554	8	3	60	Cercis canadensis	Redbud	75	1.35	1	
X	2555	10	10	60	Ailanthus altissima	Ailanthus	30	1.80	1	
X	2556	8	5	60	Quercus velutina	Black Oak	75	2.25	1	
X	2557	8	7	70	Fraxinus americana	White Ash	50	2.45	1	
X	2558	8	3	70	Ailanthus altissima	Ailanthus	30	0.63		
X	2559	8	4	60	Fraxinus americana	White Ash	50	1.20	1	
X	2560	8	6	70	Cercis canadensis	Redbud	75	3.15	1	
X	2561	8	4	70	Cornus florida	Dogwood	75	2.10	1	
X	2562	8	3	70	Cercis canadensis	Redbud	75	1.58	1	
X	2563	8	3	60	Cornus florida	Dogwood	75	1.35	1	
X	2564	8	3	30	Prunus serotina	Black Cherry	65	0.59		
X	2565	14	14	70	Pinus virginiana	Virginia Pine	75	7.35	2	
X	2566	8	6	70	Ailanthus altissima	Ailanthus	30	1.26	1	
X	2567	8	4	60	Ailanthus altissima	Ailanthus	30	0.72		
X	2568	8	3	70	Cercis canadensis	Redbud	75	1.58	1	
X	2569	8	3	70	Ailanthus altissima	Ailanthus	30	0.63		
X	2570	9	9	80	Ailanthus altissima	Ailanthus	30	2.16	1	
X	2571	8	5	70	Carya glabra	Pignut Hickory	75	2.63	1	
X	2572	8	5	50	Acer saccharinum	Silver Maple	75	1.88	1	
X	2573	12	12	80	Quercus velutina	Black Oak	75	7.20	2	
X	2574	8	5	70	Acer saccharinum	Silver Maple	75	2.63	1	
	2575	18	18	60	Prunus serotina	Black Cherry	65			
	2576	8	5	50	Carya glabra	Pignut Hickory	75			
	2577	8	7	50	Carya glabra	Pignut Hickory	75			
X	2578	8	6	60	Juniperus virginiana	Eastern Red Cedar	75	2.70	1	
X	2579	n/a			N/A					Dead
X	2580	14	14	70	Quercus velutina	Black Oak	75	7.35	2	
X	2581	8	5	60	Acer saccharinum	Silver Maple	75	2.25	1	
X	2582	8	8	60	Quercus velutina	Black Oak	75	3.60	1	
X	2583	14	14	70	Juniperus virginiana	Eastern Red Cedar	75	7.35	2	
X	2584	8	8	50	Acer saccharinum	Silver Maple	75	3.00	1	
	2585	8	8	60	Fraxinus americana	White Ash	50			
X	2586	12	12	60	Prunus serotina	Black Cherry	65	4.68	1	
	2587	22	22	70	Quercus velutina	Black Oak	75			
	2588	19	19	60	Quercus phellos	Willow Oak	75			
	2589	22	22	65	Quercus phellos	Willow Oak	75			
	2590	31	31	80	Quercus phellos	Willow Oak	75			
	2591	8	8	85	Juniperus virginiana	Eastern Red Cedar	75			
X	2592	8	4	85	Lagerstroemia sp.	Crape Myrtle	80	2.72	1	
X	2593	8	4	85	Lagerstroemia sp.	Crape Myrtle	80	2.72	1	
X	2594	31	31	80	Prunus sp.	Japanese Cherry	85	21.08	5	

To Be Removed	#	Survey Dia	DBH	Condition	Species	Common name	Species Rating	Replacement value	Replacements	Comments
	2595	8	5	85	Lagerstroemia sp.	Crape Myrtle	80			
X	2596	13	13	75	Fraxinus americana	White Ash				Removed by O-T project
X	2597	15	15	70	Fraxinus americana	White Ash				Removed by O-T project
X	2598	8	4	60	Fraxinus americana	White Ash				Removed by O-T project
X	2599	n/a				N/A				Dead; Removed by O-T project
X	2600	8	6	60	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2601	8	4	60	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2602	12	12	60	Fraxinus americana	White Ash				Removed by O-T project
X	2603	8	6	60	Acer saccharinum	Silver Maple				Removed by O-T project
X	2604	8	8	30	Fraxinus americana	White Ash				Removed by O-T project
X	2605	8	7	50	Fraxinus americana	White Ash				Removed by O-T project
X	2606	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2607	8	8	60	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2608	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2609	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2610	8	3	60	Ailanthus altissima	Ailanthus				Removed by O-T project
	2611	8	3	30	Acer saccharinum	Silver Maple	75			
	2612	8	8	30	Acer saccharinum	Silver Maple	75			
X	2613	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2614	8	6	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2615	n/a				N/A				Dead; Removed by O-T project
X	2616	n/a				N/A				Dead; Removed by O-T project
X	2617	n/a				N/A				Dead; Removed by O-T project
X	2618	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2619	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2620	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2621	8	3	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2622	8	3	30	Ailanthus altissima	Ailanthus	30	0.27		
X	2623	8	4	30	Ailanthus altissima	Ailanthus	30	0.36		
X	2624	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2625	15	15	20	Pinus virginiana	Virginia Pine				Removed by O-T project
X	2626	8	6	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2627	n/a				N/A				Dead; Removed by O-T project
X	2628	n/a				N/A				Dead; Removed by O-T project
X	2629	8	6	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2630	n/a				N/A				Dead; Removed by O-T project
X	2631	8	6	25	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2632	8	8	25	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2633	8	6	25	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2634	8	6	25	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2635	8	6	25	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2636	10	10	40	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2637	8	8	25	Fraxinus americana	White Ash				Removed by O-T project
X	2638	8	8	25	Fraxinus americana	White Ash				Removed by O-T project
X	2639	8	7	40	Prunus serotina	Black Cherry				Removed by O-T project
X	2640	n/a				N/A				Dead; Removed by O-T project
X	2641	8	6	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2642	10	10	35	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2643	8	5	35	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2644	8	8	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2645	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2646	8	6	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2647	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2648	13	13	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2649	8	8	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2650	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2651	8	7	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2652	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2653	10	10	35	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2655	10	10	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2656	12	12	25	Acer saccharinum	Silver Maple				Removed by O-T project
X	2657	8	4	20	Acer saccharinum	Silver Maple				Removed by O-T project
X	2658	8	8	20	Nyssa sylvatica	Blackgum				Removed by O-T project
X	2659	8	6	30	Nyssa sylvatica	Blackgum				Removed by O-T project
X	2660	8	5	30	Acer saccharinum	Silver Maple				Removed by O-T project
X	2661	8	7	30	Acer saccharinum	Silver Maple				Removed by O-T project
X	2662	n/a				N/A				Dead; Removed by O-T project
X	2663	n/a				N/A				Dead; Removed by O-T project
X	2664	8	7	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2665	8	4	35	Nyssa sylvatica	Blackgum				Removed by O-T project
X	2666	22	22	80	Quercus alba	White Oak				Removed by O-T project
X	2667	8	7	25	Acer saccharinum	Silver Maple				Removed by O-T project
X	2668	n/a				N/A				Dead; Removed by O-T project
X	2669	8	5	30	Nyssa sylvatica	Blackgum				Removed by O-T project
X	2670	8	7	30	Nyssa sylvatica	Blackgum				Removed by O-T project
X	2671	8	4	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2672	8	8	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2673	8	5	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2674	8	6	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2675	8	3	35	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2676	8	5	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2677	8	4	35	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2678	8	8	40	Tsuga canadensis	Eastern Hemlock				Removed by O-T project
X	2679	12	12	50	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2680	14	14	80	Ilex opaca	American Holly				Removed by O-T project
X	2681	10	10	80	Ilex opaca	American Holly				Removed by O-T project
X	2682	8	8	30	Juniperus virginiana	Eastern Red Cedar				Removed by O-T project
X	2683	8	4	75	Ilex opaca	American Holly				Removed by O-T project
X	2684	16	16	50	Maclura pomifera	Osage Orange				Removed by O-T project
X	2685	8	5	50	Fraxinus americana	White Ash				Removed by O-T project
X	2686	8	3	60	Acer saccharinum	Silver Maple				Removed by O-T project
X	2687	14	14	70	Quercus alba	White Oak				Removed by O-T project
X	2688	8	3	80	Quercus alba	White Oak				Removed by O-T project
X	2689	n/a				N/A				Dead; Removed by O-T project
X	2690	11	11	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2691	8	6	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2692	8	4	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2693	n/a				N/A				Dead; Removed by O-T project
X	2694	8	5	30	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2695	8	7	30	Acer saccharinum	Silver Maple				Removed by O-T project
X	2696	8	7	70	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2697	9	9	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2698	10	10	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2699	13	13	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2700	10	10	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2701	8	4	40	Ailanthus altissima	Ailanthus				Removed by O-T project
X	2702	14	14	50	Quercus velutina	Black Oak				Removed by O-T project
X	2703	16	16	50	Quercus velutina	Black Oak				Removed by O-T project
X	2704	10	10	40	Ailanthus altissima	Ailanthus				Removed by O-T project

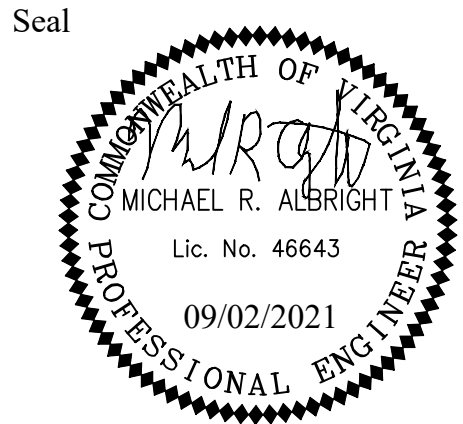
Total Required Replacements:	288
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DEPARTMENT OF ENVIRONMENTAL SERVICES

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Fax: 703-874-1500



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-F-LAND-TREE PROTECTION-D
Path: K:\NVA_RDP\Y11010073_Columbia Pike Multimodal Production\Task
1 - Final Design of Columbia Pike Segment\Segment F\1.2 - 100%
Design\PlanSheet
Plotted: September 02, 2021
Plotted by: patrick.husted

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

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

SCALE: HOR. N/A VERT. N/A SHEET: F14.10.3 of F14.10.3