

COMMON ABBREVIATIONS

A	A/C	AIR CONDITIONING	I	ID	INSIDE DIAMETER
AASHTO	AIR CONDITIONING	AMERICAN ASSOCIATION OF STATE HWY & TRANSPORTATION OFFICIALS	INSTL	INVT	INVERT
AB	ANCHOR BOLT	ABRSV	IP	IP	IRON PIPE
ABRSV	ABRASIVE	ABV	J	JST	JOIST
AC	ACRE	ACD	JT	JT	JOINT
ACD	ACCESS DOOR	AD	L	LAM	LAMINATED
AD	AREA DRAIN	ADA	LB	LB	POUND
ADA	AMERICAN WITH DISABILITIES ACT	ADEN	LBR	LBR	LUMBER
ADEN	ADDENDA, ADDENDUM	ADD	LH	LH	LEFT HAND
ADD	ADDITIONAL	ADH	LOD	LOD	LIMITS OF DISTURBANCE
ADH	ADHESIVE	ADJ	LOS	LOS	LINE OF SIGHT
ADJ	ADJACENT	ADJT	LOW	LOW	LIMITS OF WORK
ADJT	ADJUSTABLE	A-E	LTP	LTP	LIGHT POLE
A-E	ARCHITECT-ENGINEER	AFF	LP	LP	LOW POINT
AFF	ABOVE FINISH FLOOR	AFG	LS	LS	LANDSCAPE
AFG	ABOVE FINISH GRADE	AGGR	LT	LT	LIGHT
AGGR	AGGREGATE	ALUM	LTG	LTG	LIGHTING
ALUM	ALUMINUM	ANSI	LVL	LVL	LEVEL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	APPROX	M	MAS	MASONRY
APPROX	APPROXIMATE	APT	MAT	MAT	MATERIAL
APT	APARTMENT	ASPH	MAX	MAX	MAXIMUM
ASPH	ASPHALT	ASTM	MECH	MECH	MECHANICAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	AVE	MED	MED	MEDIUM
AVE	AVENUE	B	MET	MET	METAL
B	B&B	B&B	METB	METB	METAL BASE
B&B	BALL AND BURLAP	BC	MFG	MFG	MANUFACTURING
BC	BOTTOM OF CURB, BOTTOM OF COLUMN	BE	MH	MH	MANHOLE
BE	BEAM	BE	MIN	MIN	MINIMUM
BEAM	BITUMINOUS	BL	MISC	MISC	MISCELLANEOUS
BITUM	BASELINE	BLDG	MLDG	MLDG	MOLDING
BL	BUILDING	BLK	MTG	MTG	MOUNTING
BLDG	BLOCK	BLVD	MULL	MULL	MULLION
BLK	BOULEVARD	BM	MUTCD	MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
BLVD	BENCHMARK	BMP	N	N	NORTH
BM	BEST MANAGEMENT PRACTICES	BRK	N/A	N/A	NOT APPLICABLE
BMP	BACK OF CURB	BRKT	NIC	NIC	NOT IN CONTRACT
BRK	BREAK POINT	BRKT	NO	NO	NUMBER
BRKT	BRICK	BRL	NOM	NOM	NOMINAL
BRKT	BRACKET	BS	NTS	NTS	NOT TO SCALE
BRL	BUILDING RESTRICTION LINE	BSMT	O	OA	OVERALL
BS	BOTTOM OF STEP	BTWN	OC	OC	ON CENTER
BTWN	BETWEEN	BW	OD	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	BEV	OPNG	OPNG	OPENING
BEV	BEVEL	C	OPT	OPT	OPTIONAL
C	CATCH BASIN	CC	ORIG	ORIG	ORIGINAL
CC	CENTER TO CENTER	CEM	P	PAR	PARALLEL
CEM	CEMENT	CI	PERP	PERP	PERPENDICULAR
CI	CAST IRON	CIP	PI	PI	POINT OF INTERSECTION
CIP	CAST IRON PIPE	CIP/C	PIE	PIE	PUBLIC IMPROVEMENT EASEMENT
CIP/C	CAST-IN-PLACE CONCRETE	CJ	PKWY	PKWY	PARKWAY
CJ	CONTROL JOINT	CL	PL	PL	PROPERTY LINE
CL	CENTER LINE	CLO	PLBG	PLBG	PLUMBING
CLO	CLOSET	CLR	PLYWD	PLYWD	PLYWOOD
CLR	CLEAR	CMU	PNL	PNL	PANEL
CMU	CONCRETE MASONRY UNIT	COL	PNT	PNT	PAINT
COL	COLUMN	CONC	POB	POB	POINT OF BEGINNING
CONC	CONCRETE	CONN	PR	PR	PAIR
CONN	CONNECTION	CONST	PRCST	PRCST	PRECAST
CONST	CONSTRUCTION	CONT	PRELIM	PRELIM	PRELIMINARY
CONT	CONTINUOUS	COORD	PRKG	PRKG	PARKING
COORD	COORDINATE	D	PROP	PROP	PROPOSED
D	DRINKING FOUNTAIN	DIA	PSF	PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	DIM	PSI	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION	DIST	PT	PT	PRESSURE TREATED
DIST	DISTANCE	DR	PTD	PTD	PAINTED
DR	DRIVE	DRN	PUE	PUE	PUBLIC UTILITY EASEMENT
DRN	DRAIN	DWG	PVMT	PVMT	PAVEMENT
DWG	DRAWING	DEMO	R	R	RISER, RADIUS
DEMO	DEMOLITION	DET	RC	RC	REINFORCED CONCRETE
DET	DETAIL	DI	RD	RD	ROAD
DI	DROP INLET	DN	RDWY	RDWY	ROADWAY
DN	DOWN	DS	REC	REC	RECESSED
DS	DOWNSPOUT	DT	REF	REF	REFERENCE
DT	DRAIN TILE	DWL	REQD	REQD	REQUIRED
DWL	DOWEL	E	RFD	RFD	ROOF DRAIN
E	EAST	EA	RH	RH	RIGHT HAND
EA	EACH	ELEC	RIM	RIM	DRAIN INLET RIM ELEVATION
ELEC	ELECTRICAL	ELEC P	RLG	RLG	RAILING
ELEC P	ELECTRICAL PANEL	ELEV	RM	RM	ROOM
ELEV	ELEVATION	ENCL	RND	RND	ROUND
ENCL	ENCLOSURE	ENTR	ROW	ROW	RIGHT OF WAY
ENTR	ENTRANCE	EP	RP	RP	RADIUS POINT
EP	EDGE OF PAVEMENT	EQ	RPA	RPA	RESOURCE PROTECTION AREA
EQ	EQUAL	EQL SP	RTE	RTE	ROUTE
EQL SP	EQUALLY SPACED	ESMT	S	S	SOUTH
EQUIP	EQUIPMENT	ETD	SD	SD	SURFACE DRAIN
ESMT	EASEMENT	ETR	SECT	SECT	SECTION
ETD	EXISTING TO BE DEMOLISHED	ETRL	SGL	SGL	SINGLE
ETR	EXISTING TO REMAIN	ETRP	SJ	SJ	SCORED JOINT
ETRL	EXISTING TO BE RELOCATED	EW	SLP	SLP	SLOPE
ETRP	EXISTING TO BE REPLACED	EX	SM	SM	SMOOTH
EW	EACH WAY	EXP	SPEC	SPEC	SPECIFICATION
EX	EXISTING	EXT	SQ FT	SQ FT	SQUARE FOOT
EXP	EXPANSION	EXT	SQ IN	SQ IN	SQUARE INCH
EXT	EXTERIOR	F	SST	SST	STAINLESS STEEL
F	FLOOR AREA RATIO	FAR	ST	ST	STREET
FAR	FLOOR AREA RATIO	FBD	STA	STA	STATION POINT
FBD	FIBER BOARD	FD	STD	STD	STANDARD
FD	FLOOR DRAIN	FDN	STL	STL	STEEL
FDN	FOUNDATION	FFE	STM	STM	STORM DRAIN
FFE	FINISHED FLOOR ELEVATION	FIN	SW	SW	SIDEWALK
FIN	FINISH	FIN FL	SWM	SWM	STORM WATER MANAGEMENT
FIN FL	FINISH FLOOR	FIN GR	T	T	TONGUE AND GROOVE
FIN GR	FINISH GRADE	FN	TC	TC	TOP OF CURB, TOP OF COLUMN
FN	FENCE	FOC	TD	TD	TRENCH DRAIN
FOC	FRONT OF CURB	FT	TEMP	TEMP	TEMPORARY
FT	FOOT/FEET	FTG	TS	TS	TOP OF STEP
FTG	FOOTING	FUT	TW	TW	TOP OF WALL
FUT	FUTURE	FXTR	TX	TX	TEXT
FXTR	FIXTURE	G	TYP	TYP	TYPICAL
G	GAUGE	GAB	U	UNFIN	UNFINISHED
GAB	GRADED AGGREGATE BASE	GALV	V	VERT	VERTICAL
GALV	GALVANIZED	GC	W	W	WEST
GC	GENERAL CONTRACTOR	GDR	WD	WD	WOOD
GDR	GUARD RAIL	GFA	WI	WI	WROUGHT IRON
GFA	GROSS FLOOR AREA	GIP	WLD	WLD	WELDED
GIP	GALVANIZED IRON PIPE	GL	WP	WP	WATER PROOFING
GL	GLASS	GP	WR	WR	WATER RESISTANT
GP	GUTTER PAN	GVL	WWM	WWM	WELDED WIRE MESH
GVL	GRAVEL	H	WWR	WWR	WELDED WIRE REINFORCEMENT
H	HOSE BIBB	HB	Y	YD	YARD DRAIN
HB	HANDICAP PARKING SPACE	HDPE			
HDPE	HIGH DENSITY POLYETHYLENE PIPE	HDWD			
HDWD	HARDWOOD	HDWE			
HDWE	HARDWARE	HT			
HT	HEIGHT	HNDRL			
HNDRL	HANDRAIL	HORZ			
HORZ	HORIZONTAL	HP			
HP	HIGH POINT	HS			
HS	HARDSCAPE				

PROFESSIONAL TITLES

ARCH	ARCHITECT
CIVIL	CIVIL ENGINEER
ENGR	ENGINEER
GC	GENERAL CONTRACTOR
ID	INTERIOR DESIGNER
MEP	MECHANICAL/ELECTRICAL/PLUMBING
LA	LANDSCAPE ARCHITECT
LC	LANDSCAPE CONTRACTOR
STR	STRUCTURAL ENGINEER

MATERIAL GRAPHICS

	CONCRETE		FABRIC SEPARATOR
	COMPACTED AGGREGATE SUB-BASE		STEEL / IRON
	SAND		ALUMINUM
	MORTAR		BRASS / BRONZE / COPPER
	MORTAR NEXT TO SAND SETTING BED		WOOD
	BRICK / PAVER		MULCH
	DRAINAGE GRAVEL		PLASTIC
	SOIL / COMPACTED SOIL / UNDISTURBED SUBGRADE		ARCHITECTURAL PRECAST
	STRUCTURAL / PLANTING / LIGHTWEIGHT SOIL		WELDED WIRE REINFORCEMENT
	EXPANSION JOINT W/ BACKER ROD		CMU
	REBAR		RIGID INSULATION W/ OPEN JOINTS FOR DRAINAGE
	STONE		BRICK / CONCRETE PAVER RUNNING BOND
	ASPHALT CONCRETE W/ NEOPRENE TACK COAT		BRICK / CONCRETE PAVER HERRINGBONE

LEGEND

	EXISTING INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	ELEVATION
	STATION POINT
	EASEMENT (PUE, PIE, ETC.)
	CENTER LINE
	PROPERTY LINE
	RIGHT OF WAY
	LOT LINE
	CENTER LINE OF SWALE
	EXPANSION JOINT
	STEP
	EXISTING LIGHT
	PROPOSED POLE LIGHT
	PROPOSED PEDESTRIAN LIGHT
	PROPOSED WALL LIGHT
	PROPOSED BOLLARD
	PROPOSED FOUNTAIN LIGHT
	PROPOSED FLOODLIGHT
	PROPOSED UPLIGHT
	PROPOSED STEP LIGHT
	SLAB DRAIN
	SURFACE DRAIN / YARD DRAIN
	TRENCH DRAIN
	PLANT CALLOUT
	MATERIAL OR DETAIL CALLOUT
	ELEVATION CALLOUT
	SECTION CALLOUT

GENERAL NOTES

GENERAL LAYOUT NOTES:

- BASE TOPOGRAPHICAL AND EXISTING CONDITIONS TAKEN FROM DRAWING FURNISHED BY WALTER L. PHILLIPS, INC.
- DRAWINGS PREPARED FROM CIVIL AND ARCHITECTURAL DRAWINGS. NOT AS-BUILT DATA PREPARED BY WALTER L. PHILLIPS, INC., RECEIVED 08.27.2024 AND DCS DESIGNS, RECEIVED 08.26.2024
- UTILITY WORK IS NOT INDICATED ON THIS DRAWING. REFER TO CIVIL DRAWINGS FOR WORK RELATED TO UTILITIES.
- DO NOT SCALE THESE DRAWINGS.
- DIMENSIONS ARE FROM BACK OF CURB, TO FACE OF WALL, TO OUTSIDE EDGE OF PAVEMENTS, FROM COLUMN CENTERLINES TO HARDSCAPE CENTERLINES, TO CENTERLINE OF PAVEMENTS, TO OUTSIDE EDGE OF PAVEMENTS, TO CENTERLINES OF STAIRS, FROM EDGE OF PAVEMENT TO FACE OF WALL UNLESS OTHERWISE SPECIFIED.
- ALL CURVES TO BE TRUE RADII WITHOUT STRAIGHT SEGMENTS.
- ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
- CHANGES IN LAYOUT MAY BE MADE AT THIS TIME TO ACCOMMODATE DESIGN INTENT OR FIELD CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND IN PLANS AND ANY CONFLICTS ENCOUNTERED IN FIELD.
- QUANTITIES REFERENCED IN PLANS ARE SHOWN AS A COURTESY ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL WALLS, SIDEWALKS, PATHWAYS, FENCES, AND STAIRWAYS SHALL BE COMPLETELY LAID OUT AND STAKED WITH VISIBLE MARKERS. THE STAKES SHALL BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO SITE VISIT.
- CONTRACTOR IS RESPONSIBLE FOR ALL WIRING, CONDUIT, FOOTINGS, PERMITS, ETC. NECESSARY TO COMPLETE SITE LIGHTING INSTALLATION. CONTRACTOR TO COORDINATE POWER CONNECTIONS WITH ELECTRICAL ENGINEER AND OWNER.
- BENCH AND LITTER RECEPTACLE LAYOUT SHOWN IS APPROXIMATE. LAYOUT TO BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT.
- ALL MATERIALS' SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE INDUSTRY STANDARD FOR GRADING PLANT MATERIAL - THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).
- MAINTENANCE OF ALL TREES AND LANDSCAPE MATERIALS SHALL CONFORM TO ACCEPTED INDUSTRY STANDARDS SET FORTH BY THE LANDSCAPE CONTRACTORS ASSOCIATION, AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, THE INTERNATIONAL SOCIETY OF ARBORICULTURE, AND THE AMERICAN NATIONAL STANDARDS INSTITUTE.

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ARLINGTON, VA 22202
ARLINGTON COUNTY

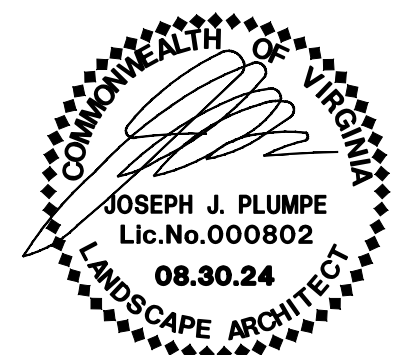
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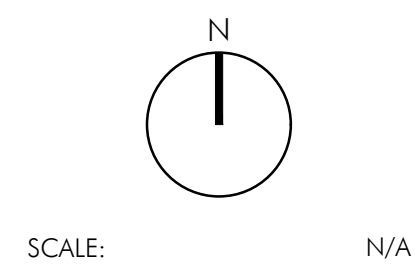
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PROJECT NUMBER:	24008
CONTACT:	DAVID JUDD
DRAWN:	TF
APPROVED/CHECKED:	DJ

ORIENTATION AND SCALE



SHEET TITLE

GENERAL NOTES

SHEET NUMBER

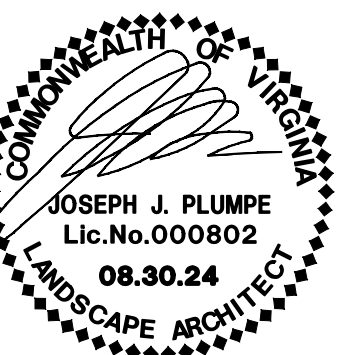
L0.01

4.1 PLAN

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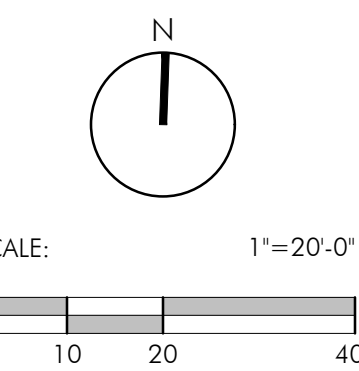
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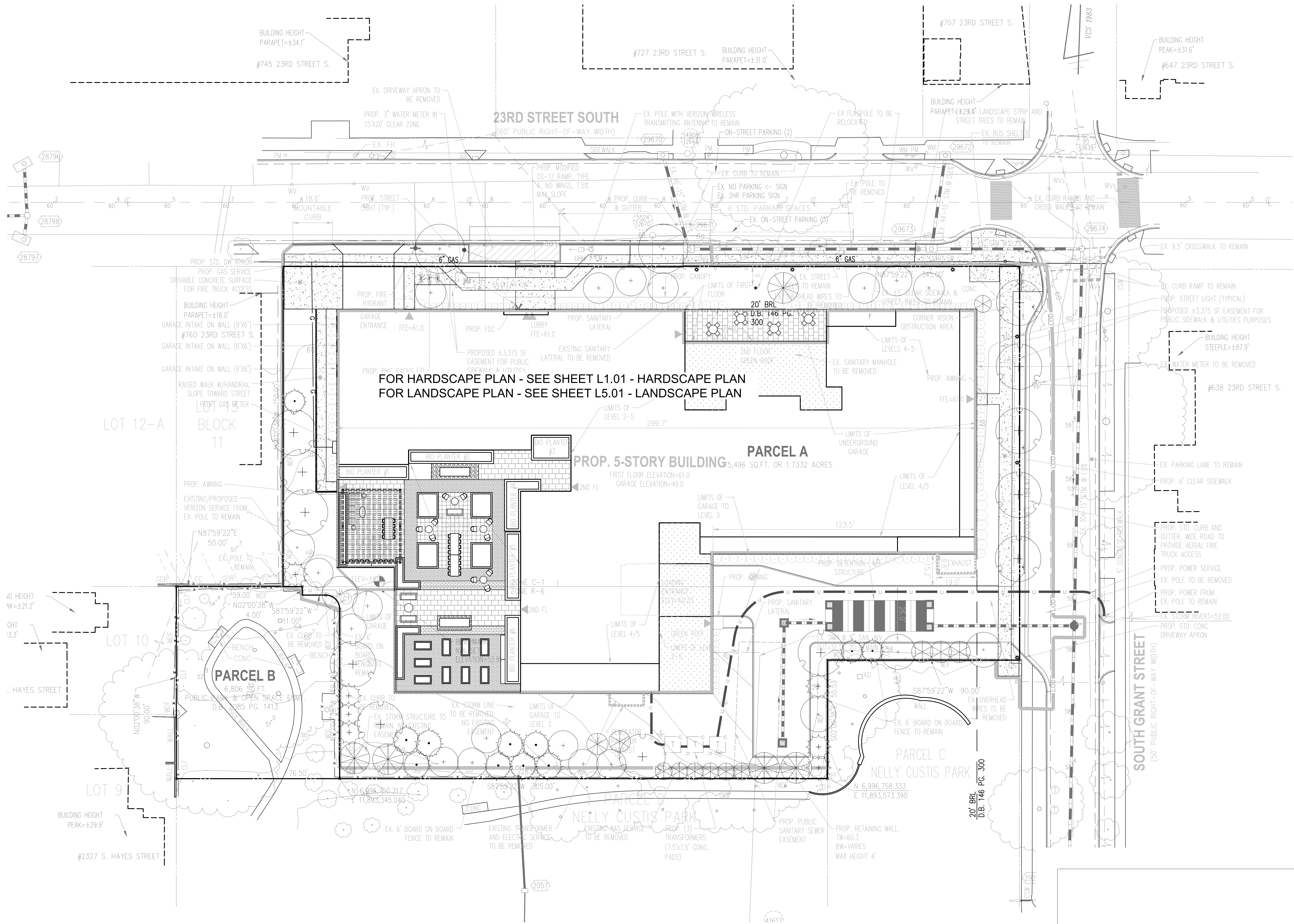
ORIENTATION AND SCALE



SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
L0.02

4.1 PLAN



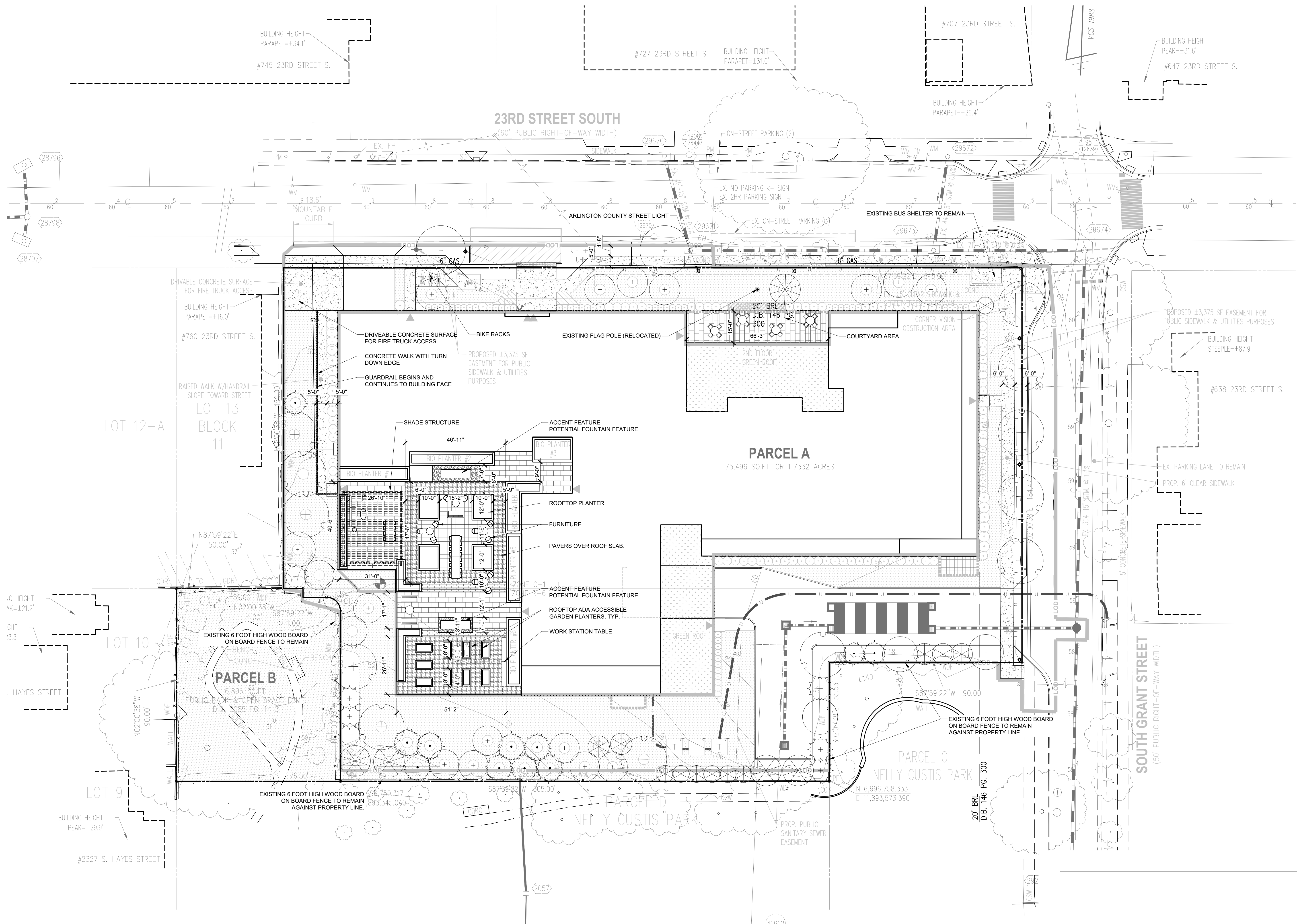
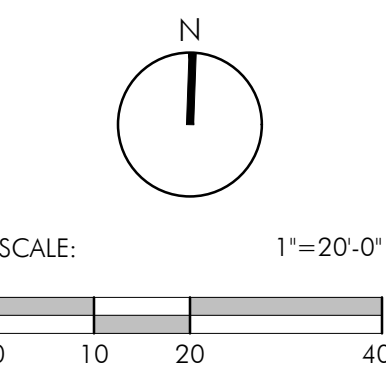
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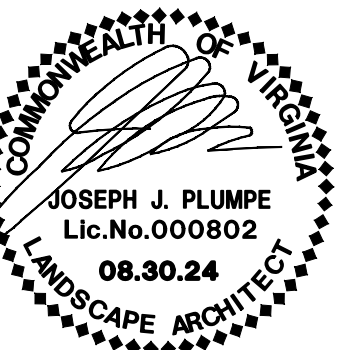
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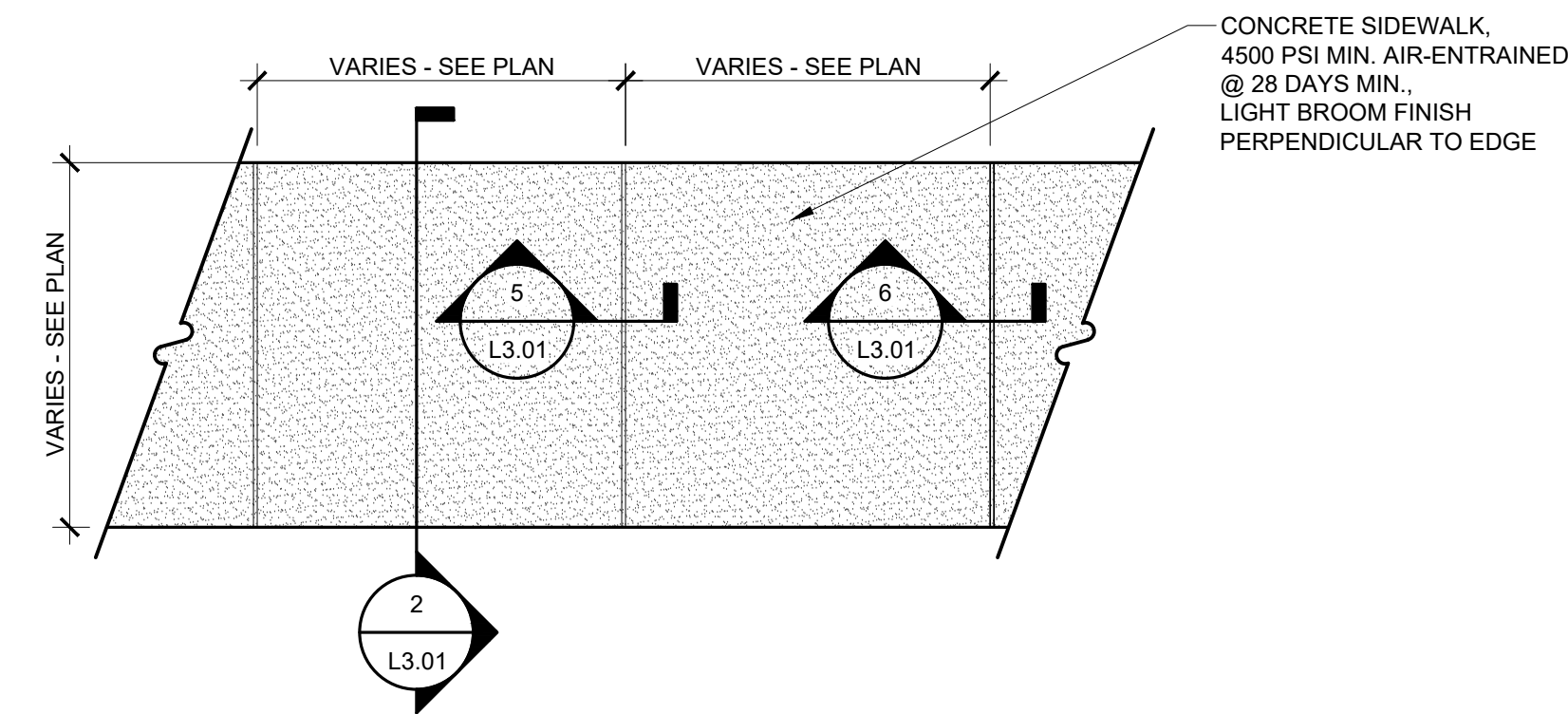
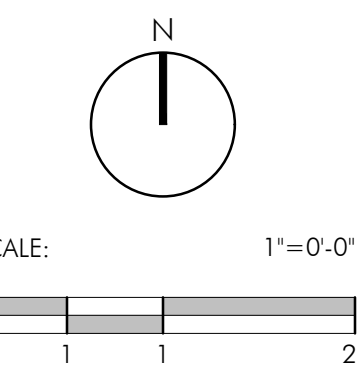
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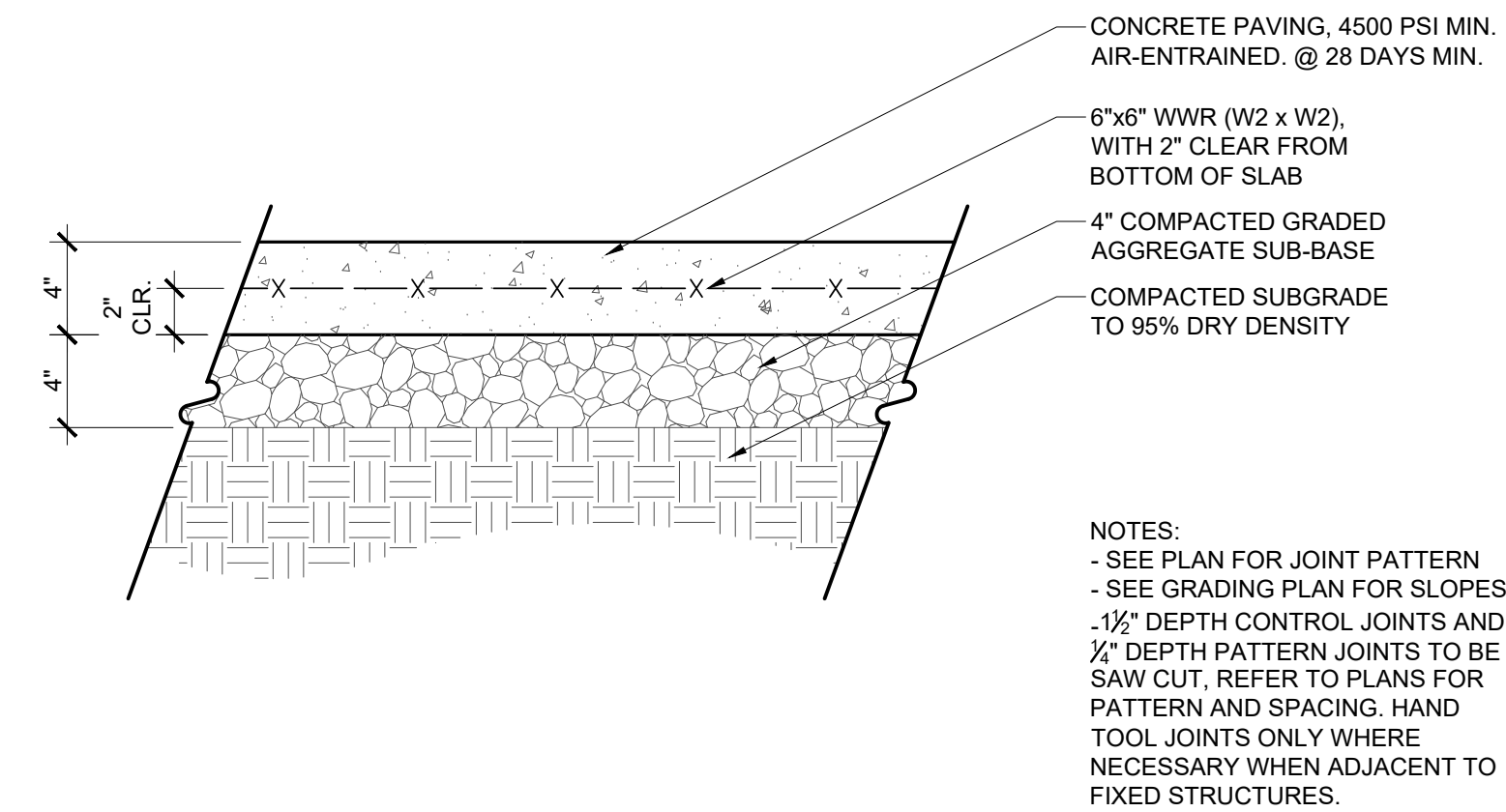
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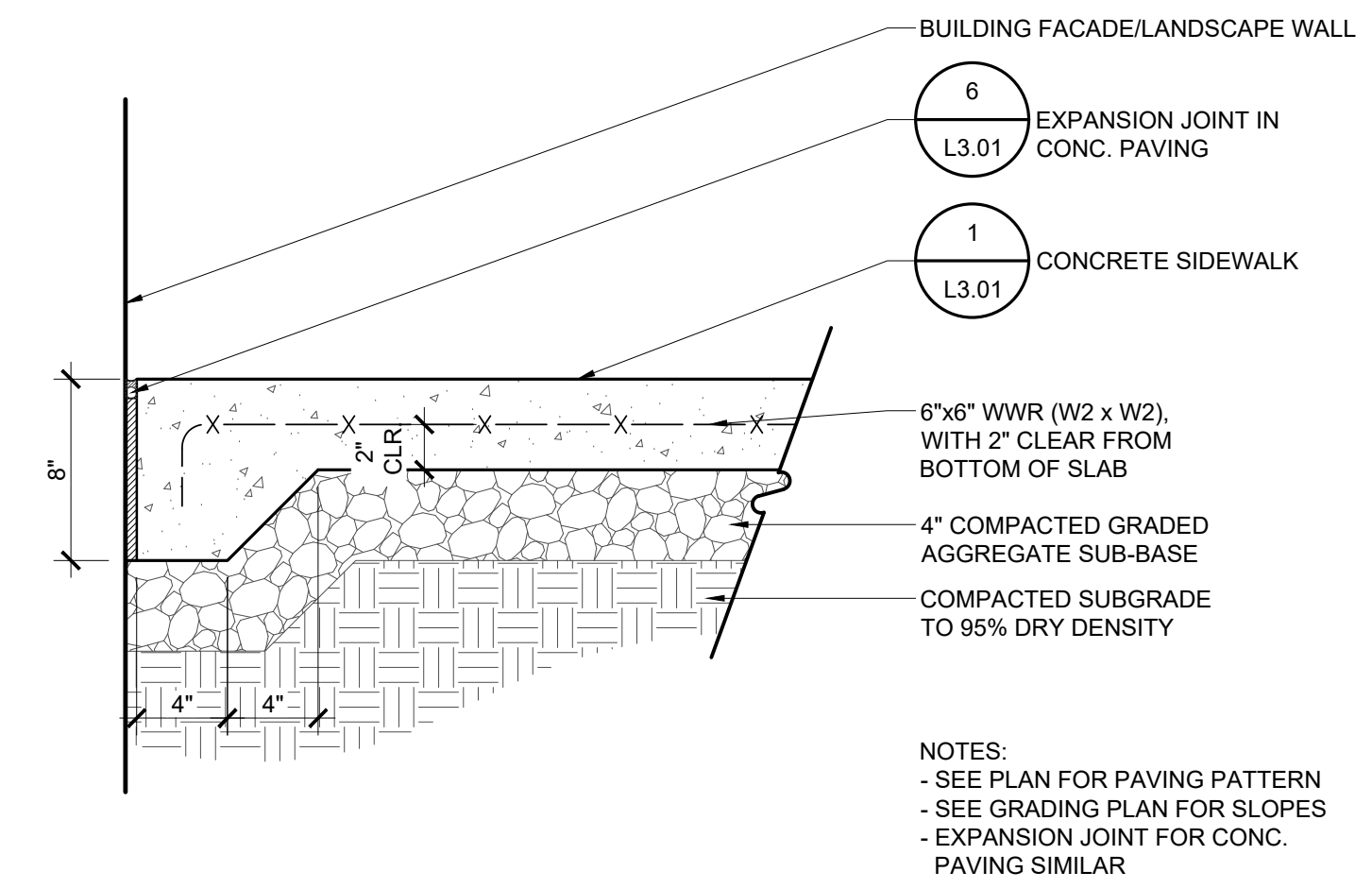
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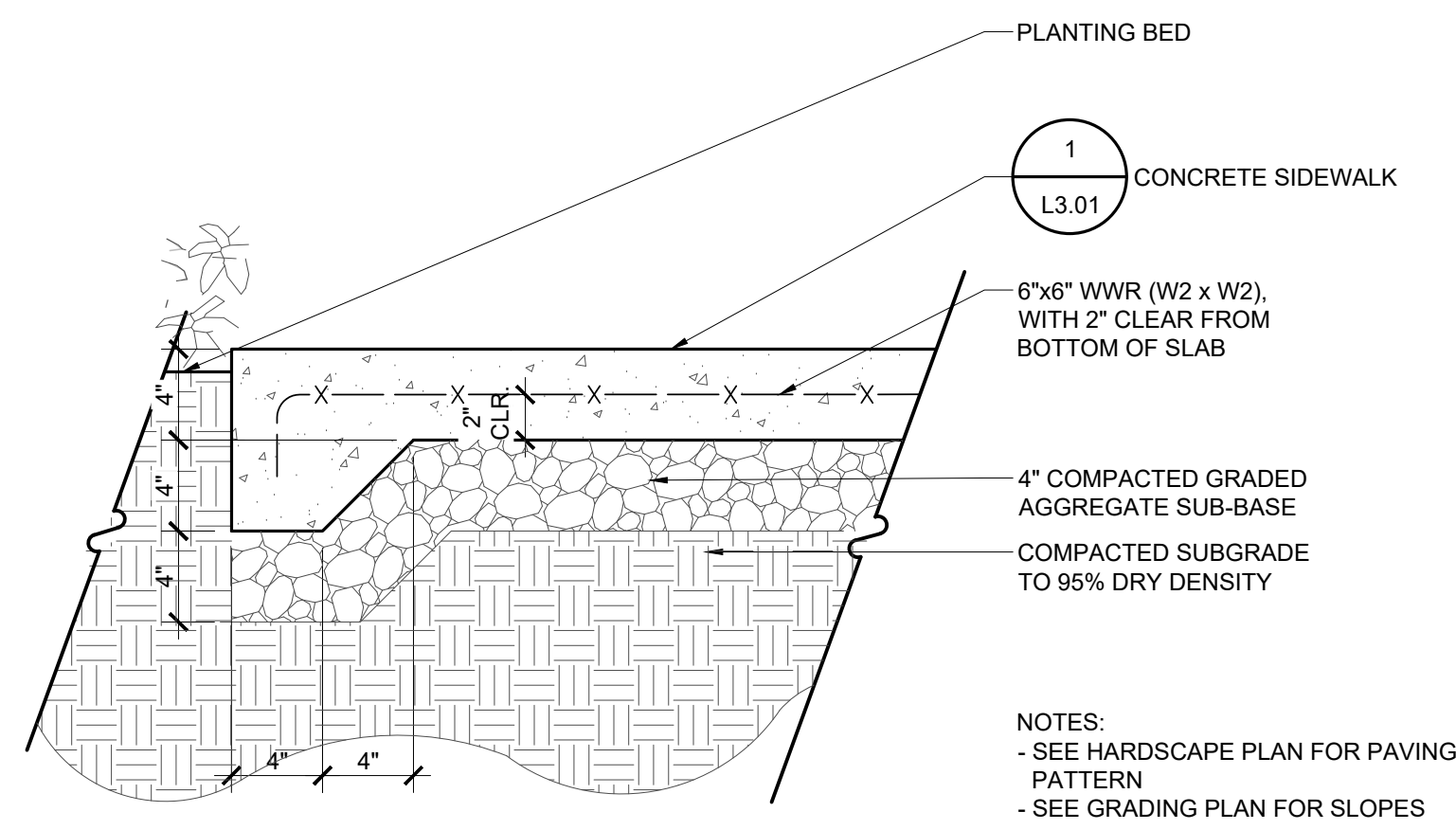
1 CONCRETE SIDEWALK PLAN
 L3.01 Scale: 1/2" = 1'-0"



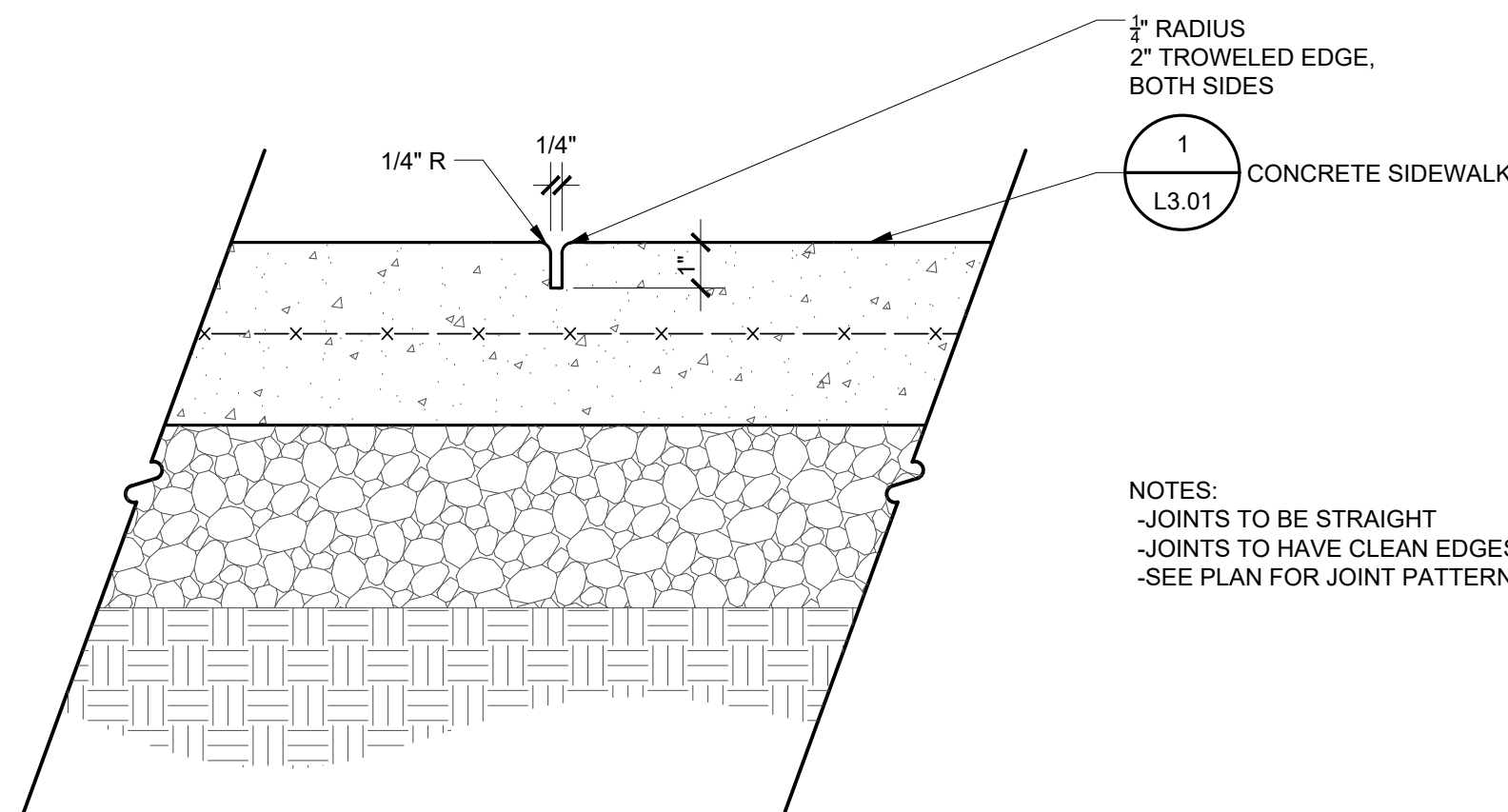
2 CONCRETE PAVING - 4 INCH THICK SECTION
 L3.01 Scale: 1 1/2" = 1'-0"



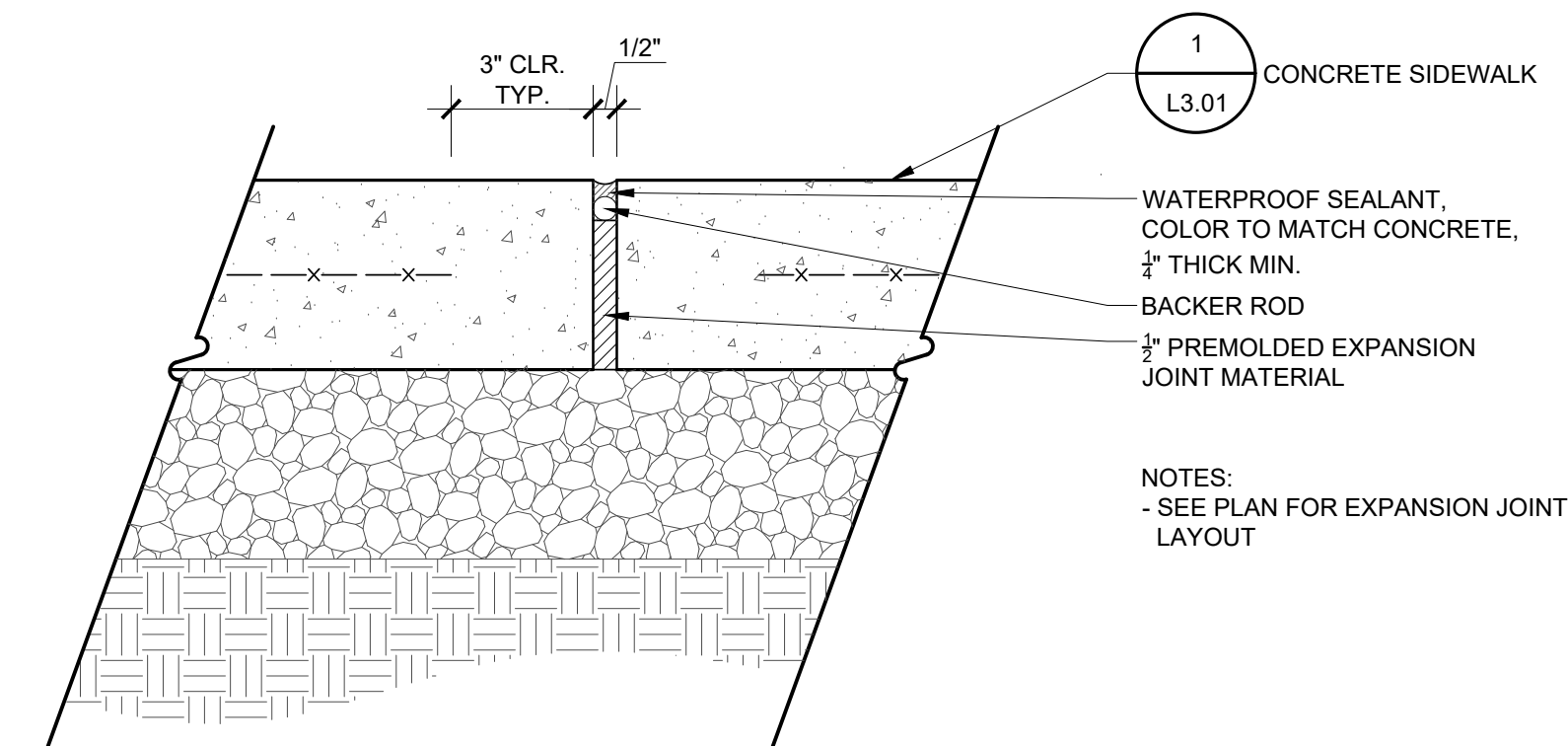
3 CONCRETE PAVING AT VERTICAL EDGE SECTION
 L3.01 Scale: 1 1/2" = 1'-0"



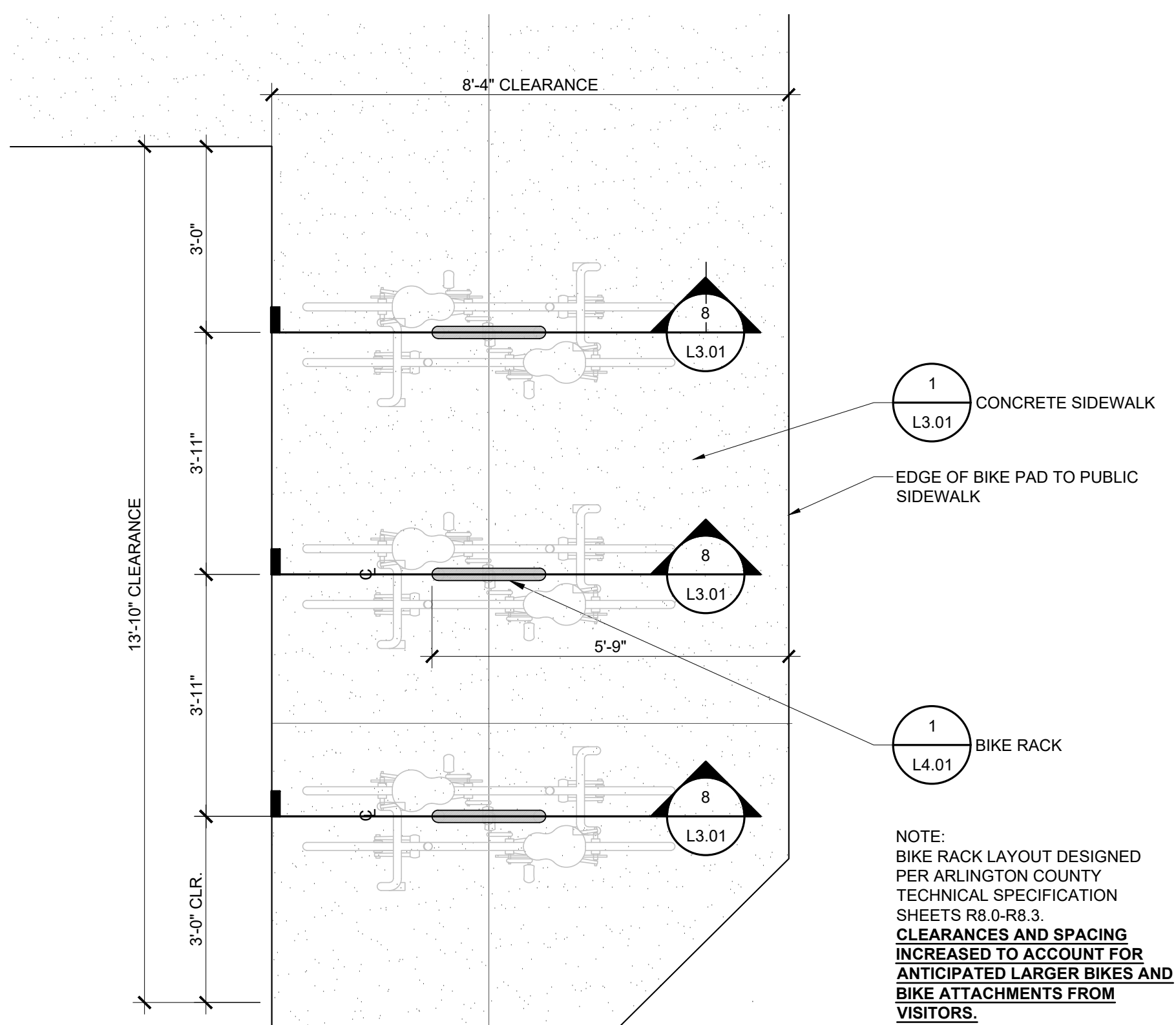
4 CONCRETE PAVING AT LANDSCAPE EDGE SECTION
 L3.01 Scale: 1 1/2" = 1'-0"



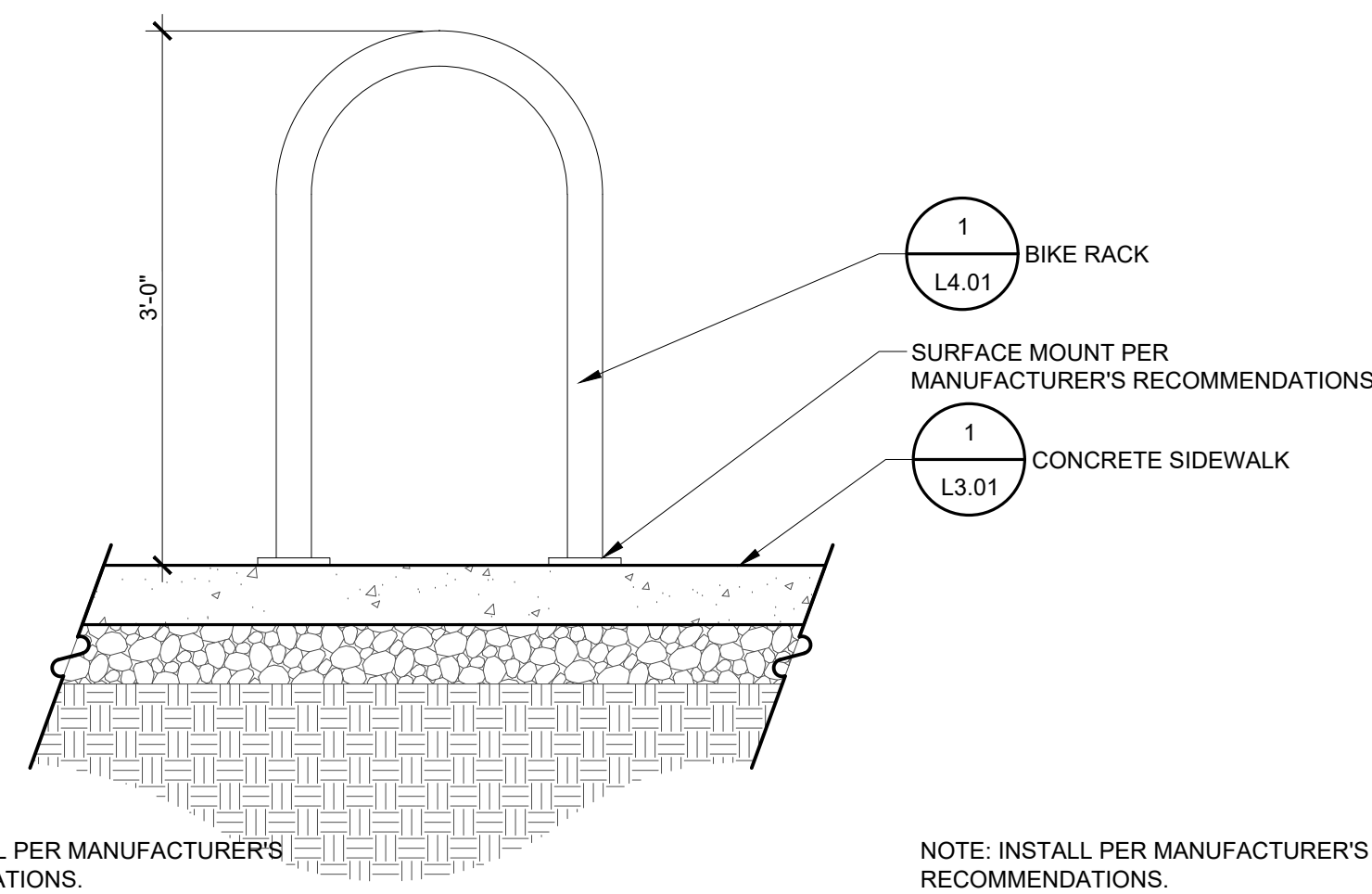
5 CONTROL JOINT IN CONC. PAVING SECTION
 L3.01 Scale: 3" = 1'-0"



6 EXPANSION JOINT IN CONC. PAVING SECTION
 L3.01 Scale: 3" = 1'-0"



7 BIKE RACK LAYOUT PLAN
 L3.01 Scale: 1/2" = 1'-0"



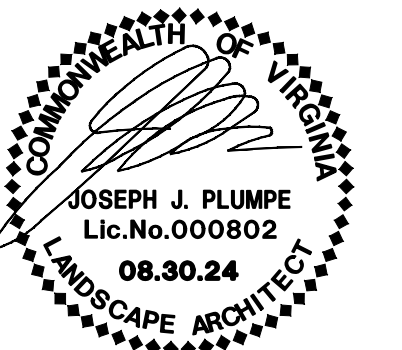
8 BIKE RACK SECTION
 L3.01 Scale: 1" = 1'-0"

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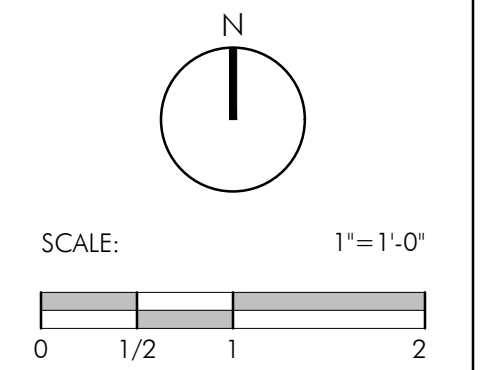
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 DRAWN: TF
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ORIENTATION AND SCALE

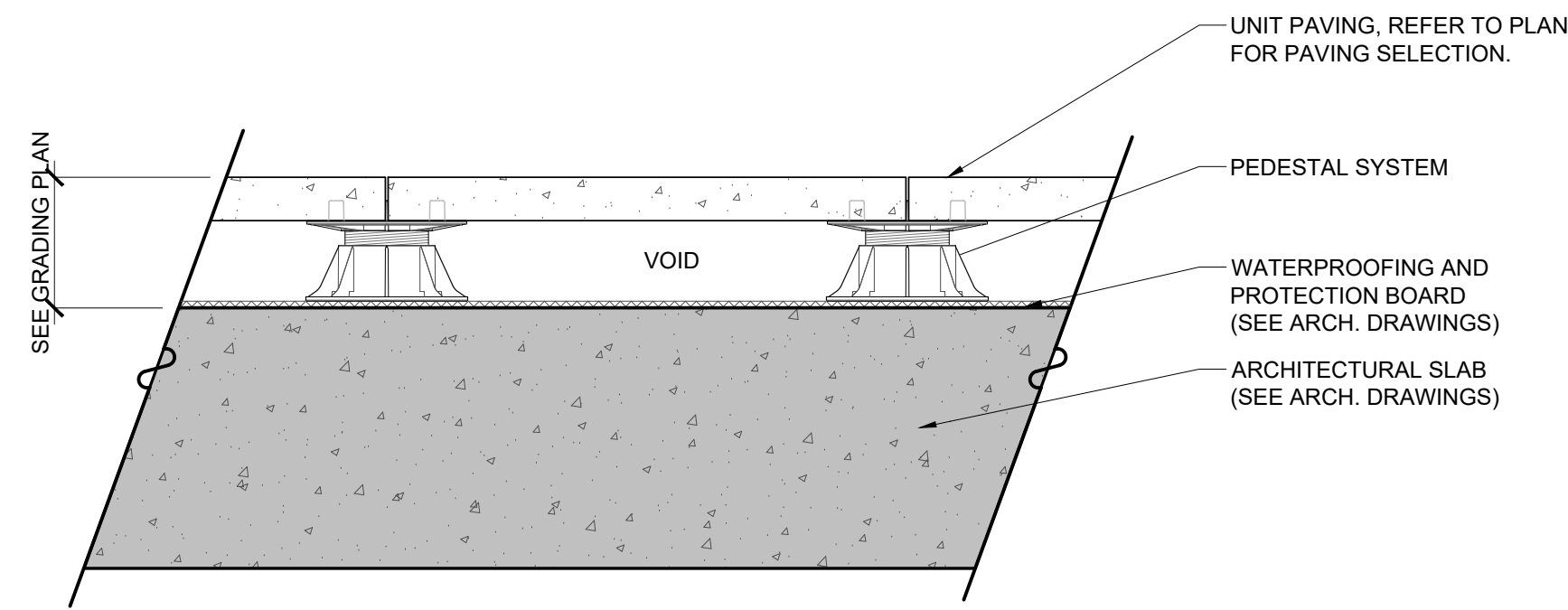


SHEET TITLE
HARDSCAPE DETAILS

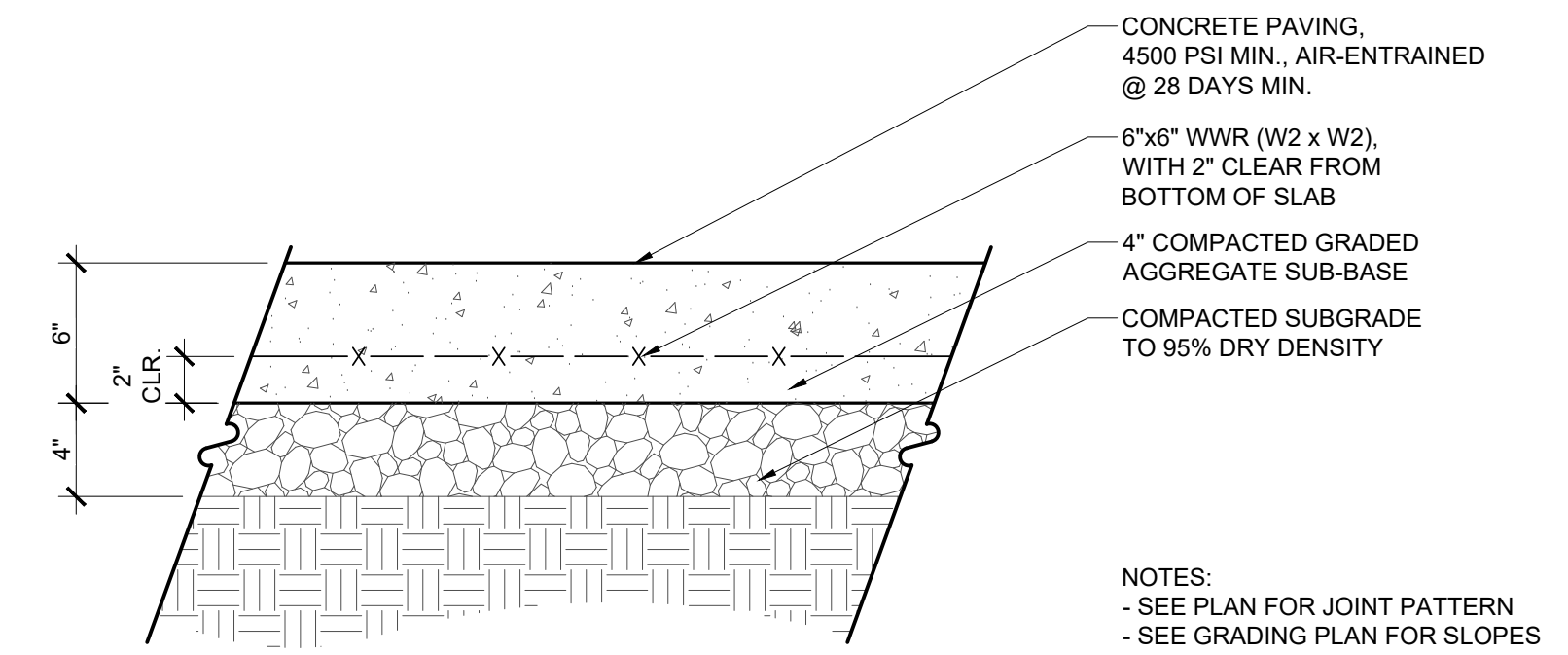
SHEET NUMBER

L3.02

4.1 PLAN



1 PEDESTAL PAVER SECTION
 Scale: 1 1/2" = 1'-0"



2 CONCRETE PAVING - VEHICULAR SECTION
 Scale: 1 1/2" = 1'-0"



MODEL: BRWS-101 - SURFACE MOUNT
 DESCRIPTION: U-SHAPED BIKE RACK
 COLOR: STAINLESS STEEL
 QUANTITY: PER PLAN
 COMPANY: VICTOR STANLEY
 DUNKIRK, MD 20754
 WWW.VICTORSTANLEY.COM
 CONTACT: GEORGE BLEVINS
 (P) 301.855.8300
 georgeb@victorstanley.com
 NOTES: CONTRACTOR TO VERIFY
 QUANTITIES
 INSTALL PER MANUFACTURERS
 RECOMMENDATION AND
 GOVERNING MUNICIPAL
 REQUIREMENTS,
 OR APPROVED EQUAL

1
L4.01

BIKE RACK
Scale: NTS

PROD. INFO.

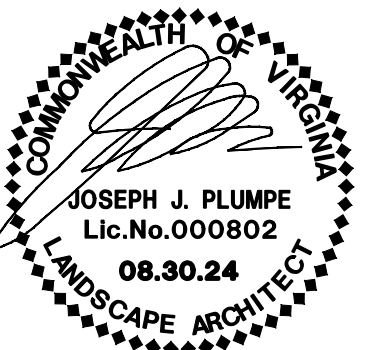
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SEAL/SIGNATURE



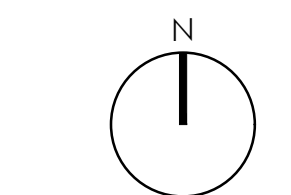
ISSUE DATE

4.1 PRELIMINARY SUBM.	06.20.24
4.1 PRELIMINARY SUBM. 02	08.30.24

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PROJECT NUMBER: 24008
 CONTACT: DAVID JUDD
 DRAWN: TF
 APPROVED/CHECKED: DJ

ORIENTATION AND SCALE



SCALE: NTS

SHEET TITLE

PRODUCT INFORMATION

SHEET NUMBER

L4.01

4.1 PLAN

PLANT SCHEDULE								CREDIT QTY	CANOPY CREDIT (SF)	CANOPY CREDIT TOTAL			
CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	SPREAD	REMARKS						
EVERGREEN TREES													
loj	7	Ilex opaca 'Jersey Knight'	Jersey Knight American Holly	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	7	218.75	1,531.25			
leg	5	Ilex opaca 'Greenleaf'	Greenleaf Holly	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	5	218.75	1,093.75			
Jv	7	Juniperus virginiana	Eastern Red Cedar	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	7	137.50	962.50			
Mg	4	Magnolia grandiflora	Southern Magnolia	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	4	393.75	1,575.00			
Mvh	3	Magnolia virginiana 'Henry Hicks'	Henry Hicks Sweetbay Magnolia	8'-10'	2" min.		B&B, single trunk, full symmetrical branching	3	137.50	412.50			
Pt	3	Pinus taeda	Loblolly Pine	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	3	218.75	656.25			
Pv	5	Pinus virginiana	Virginia Pine	6'-8'		3 1/2 - 5'	B&B, full to ground with good seasonal flush	5	218.75	1,093.75			
Tca	1	Tsuga canadensis	Canadian Hemlock	12' MIN		6-8'	B&B, full to ground with good seasonal flush	1	218.75	218.75			
								35	TOTAL	7,543.75			
ORNAMENTAL TREES													
Cv	7	Chionanthus virginicus	White Fringetree	8'-10'	2 1/2" min.		B&B, uniform branching, full specimen	7	137.50	962.50			
Cwv	3	Crataegus viridis 'Winter King'	'Winter King' Hawthorn	8'-10'	2 1/2" min.		B&B, uniform branching, full specimen	3	137.50	412.50			
Ns	6	Nyssa sylvatica	Sour Gum	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	6	312.50	1,875.00			
								16	TOTAL	3,250.00			
SHADE TREES													
Bnd	2	Betula nigra 'Duraheat'	Duraheat River Birch	10'-12'	2" min.		B&B, multi-trunk, 3 cane minimum, full symmetrical branching	2	218.75	437.50			
Co	2	Celtis occidentalis	Common Hackberry	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	0*	393.75	0			
Fg	2	Fagus grandifolia	American Beech	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	2	393.75	787.50			
Gts	1	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Locust	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	1	312.50	312.50			
Lsr	2	Liquidambar styraciflua 'Rotundiloba'	Round-Lobed Sweet Gum	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	2	218.75	437.50			
Qc	5	Quercus coccinea	Scarlet Oak	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	0*	393.75	0			
Qph	3	Quercus phellos 'Hightower'	Willow Oak	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	3	312.50	937.50			
Ta	2	Tilia americana	American Linden	14'-16'	3" - 3 1/2"		B&B, full uniform crown, symmetrical branching, full specimen	2	393.75	787.50			
								12	TOTAL	3,700.00			
								TOTAL TREE COVERAGE PROVIDED BY PLANTING		14,493.75			
DECIDUOUS SHRUBS													
Cam	6	Callicarpa americana	American Beautyberry	24"-30"	24"-30"	#5 cont.	healthy vigorous, well-rooted & established in container	*QUANTITY NOT INCLUDED AS IN R.O.W.					
Hpl	6	Hydrangea paniculata 'Limelight'	Limelight Panicle Hydrangea	24" min.	24" min.	#3 cont.	healthy, vigorous, well-rooted & established in container						
Hqp	12	Hydrangea quercifolia 'Pee Wee'	Oakleaf Hydrangea	18"-24"	18"-24"	#3 cont.	healthy, vigorous, well-rooted & established in container						
Ivh	11	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	18"-24"	18"-24"	#3 cont.	healthy vigorous, well-rooted & established in container						
Pod	5	Physocarpus opulifolius 'Diablo'	Diablo Ninebark	24"-36"	18"-24"	#3 cont.	healthy vigorous, well-rooted & established in container						
Rag	13	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	12"-15"	15"-18"	#3 cont.	4" o.c., full specimen, healthy, vigorous, well-rooted and established						
EVERGREEN SHRUBS													
Cay	4	Camellia sasanqua 'Yuletide'	Yuletide Camellia	24"-30"	24"-30"	#5 cont.	healthy, vigorous, well-rooted & established in container						
Igt	19	Ilex glabra 'Strongbox'	Strongbox Inkberry	18"-24"	18"-24"	#3 cont.	healthy, vigorous, well-rooted & established in container						
Lcc	10	Loropetalum chinense rubrum 'Crimson Fire'	Purple Leaf Fringe Flower	24"-36"	24"-36"	#5 cont.	healthy, vigorous, well-rooted & established						
Mfa	20	Morella cerifera 'Fairfax'	Fairfax Wax Myrtle	30"-36"	30"-36"	#7 cont.	healthy vigorous, well-rooted & established						
Mp	8	Myrica pensylvanica	Northern Bayberry	30"-36"	30"-36"	#7 cont.	healthy vigorous, well-rooted & established						
Rxp	9	Rhododendron x 'P.J.M.'	P.J.M. Rhododendron	24"-30"	18"-24"	#3 cont.	healthy, vigorous, well-rooted & established in container						
Sc	28	Sarcococca confusa	Sweetbox	18"-24"	18"-24"	#3 cont.	healthy, vigorous, well-rooted & established in container						
Tod	3	Thuja occidentalis 'Degroot's Spire'	Degroot's Spire Arborvitae	3'-5'		3 1/2 - 5'	B&B, full to ground with good seasonal flush						
								TOTAL TREE COVERAGE PROVIDED BY PLANTING					
SOD													
Sod	15,348 sf	Turf Sod	Drought Tolerant Fescue Blend	Roll			Durablend tall fescue blend or similar						
PERENNIALS, ORNAMENTAL GRASSES AND FERNS													
Cak	49	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	#1 cont. @		18" o.c.	full specimen, healthy, vigorous, well-rooted and established						
Cp	46	Carex pensylvanica	Pennsylvania Sedge	#1 cont. @		18" o.c.	full specimen, healthy, vigorous, well-rooted and established						

STORM WATER MANAGEMENT PLANT POOL

STORM WATER MANAGEMENT PLANTS - SHRUBS

QTY	KEY	GENUS	SPECIES	VARIETY	COMMON NAME	SIZE	COLOR	REMARKS
QTY	CAA	Callicarpa	americana		American beautyberry	30 - 36"	18 - 24"	#3 cont, healthy vigorous, well-rooted & established in container
QTY	CAH	Celastrus	alnifolia	'Hummingbird'	Hummingbird Celastrus	18 - 24"	18 - 24"	#3 cont, healthy, vigorous, well-rooted & established
QTY	COS	Cornus	sericea		Red Twig Dogwood	24 - 36"	24 - 36"	#5 cont, healthy, vigorous, well-rooted & established
QTY	HAA	Hydrangea	arborescens	'Anabelle'	Anabelle Hydrangea	18 - 24"	18 - 24"	#3 cont, healthy, vigorous, well-rooted & established in container
QTY	ILG	Ilex	glabra		Inkberry	24 - 30"	18 - 24"	#3 cont, healthy, vigorous, well-rooted & established in container
QTY	IVJ	Ilex	verticillata	'Jim Dandy'	Jim Dandy Winterberry	18 - 24"	18 - 24"	#3 cont, healthy vigorous, well-rooted & established in container
QTY	IVR	Ilex	verticillata	'Red Sprite'	Red Sprite Winterberry	18 - 24"	18 - 24"	#3 cont, healthy vigorous, well-rooted & established in container
QTY	IVH	Itea	virginica	'Henry's Garnet'	Henry's Garnet Sweetspire	18 - 24"	18 - 24"	#3 cont, healthy vigorous, well-rooted & established in container
QTY	MYP	Myrica	pensylvanica		Northern Bayberry	30 - 36"	30 - 36"	#7 cont, healthy vigorous, well-rooted & established
QTY	VIA	Viburnum	acerifolium		Mapleleaf Viburnum	24 - 36"	18 - 24"	B4B, healthy, vigorous, well-rooted & established
QTY	VID	Viburnum	dentatum		Arrowwood Viburnum	24 - 36"	18 - 24"	B4B, healthy, vigorous, well-rooted & established

STORM WATER MANAGEMENT PLANTS - PERENNIALS/GROUNDCOVERS

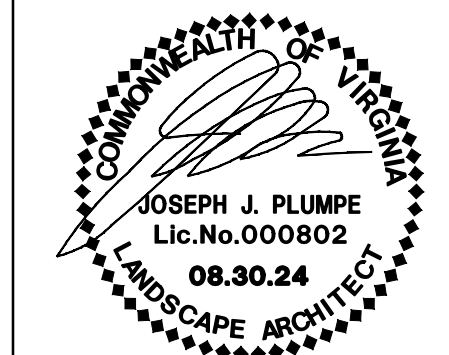
QTY	KEY	GENUS	SPECIES	VARIETY	COMMON NAME	SIZE	COLOR	REMARKS
QTY	At	Asclepias	tuberosa		Butterfly Milkweed	#1 cont.	Orange	24" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	CST	Carex	stricta		Tussock Sedge	#1 cont.		18" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	CHL	Chaenanthium	latifolium		Northern Sea Oats	#1 cont.		18" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	CGL	Chelone	glabra		White Turtle-head	#1 cont.	White	24" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	CSP	Coreopsis	verticillata	'Moonbeam'	Moonbeam Coreopsis	#1 cont.	Pale yellow	18" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	IRV	Iris	versicolor		Blue Flag Iris	#1 cont.		18" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	JUF	Juncus	effusus		Soft rush	#1 cont.		24" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	LOC	Lobelia	cardinalis		Cardinal Flower	#1 cont.	Red	12" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	PVH	Panicum	virgatum	'Heavy Metal'	Heavy Metal Switch Grass	#3 cont.		24" o.c., full specimen, healthy, vigorous, well-rooted and established
QTY	PVS	Panicum	virgatum	'Shenandoah'	Shenandoah Switch Grass	#3 cont.		24" o.c., full specimen, healthy, vigorous, well-rooted and established

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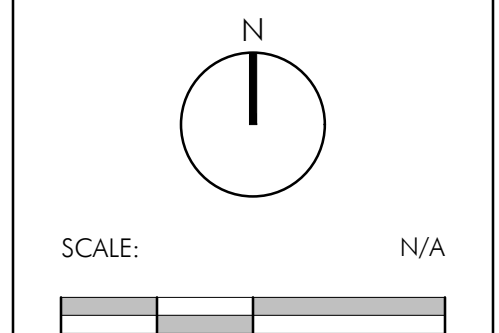
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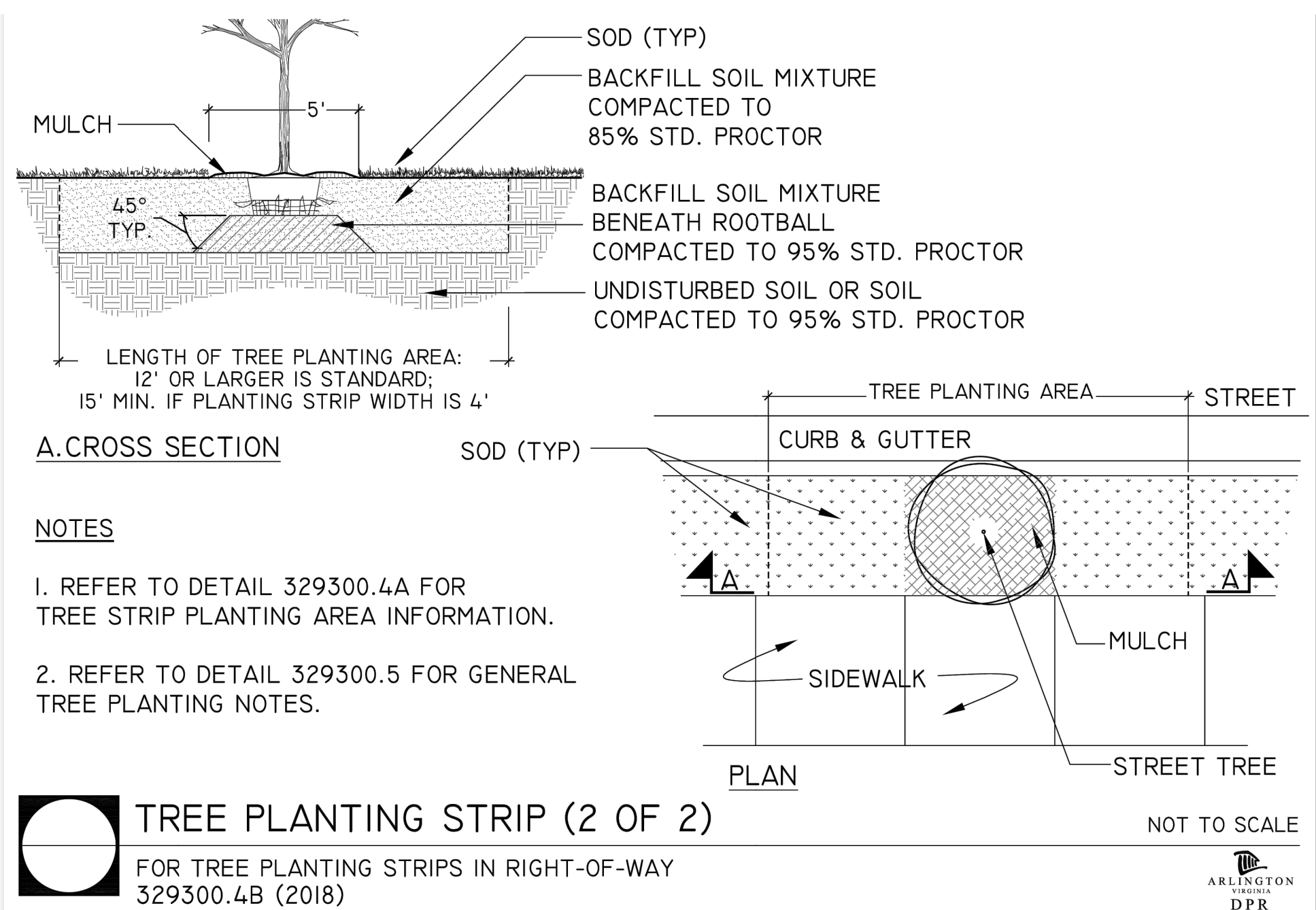
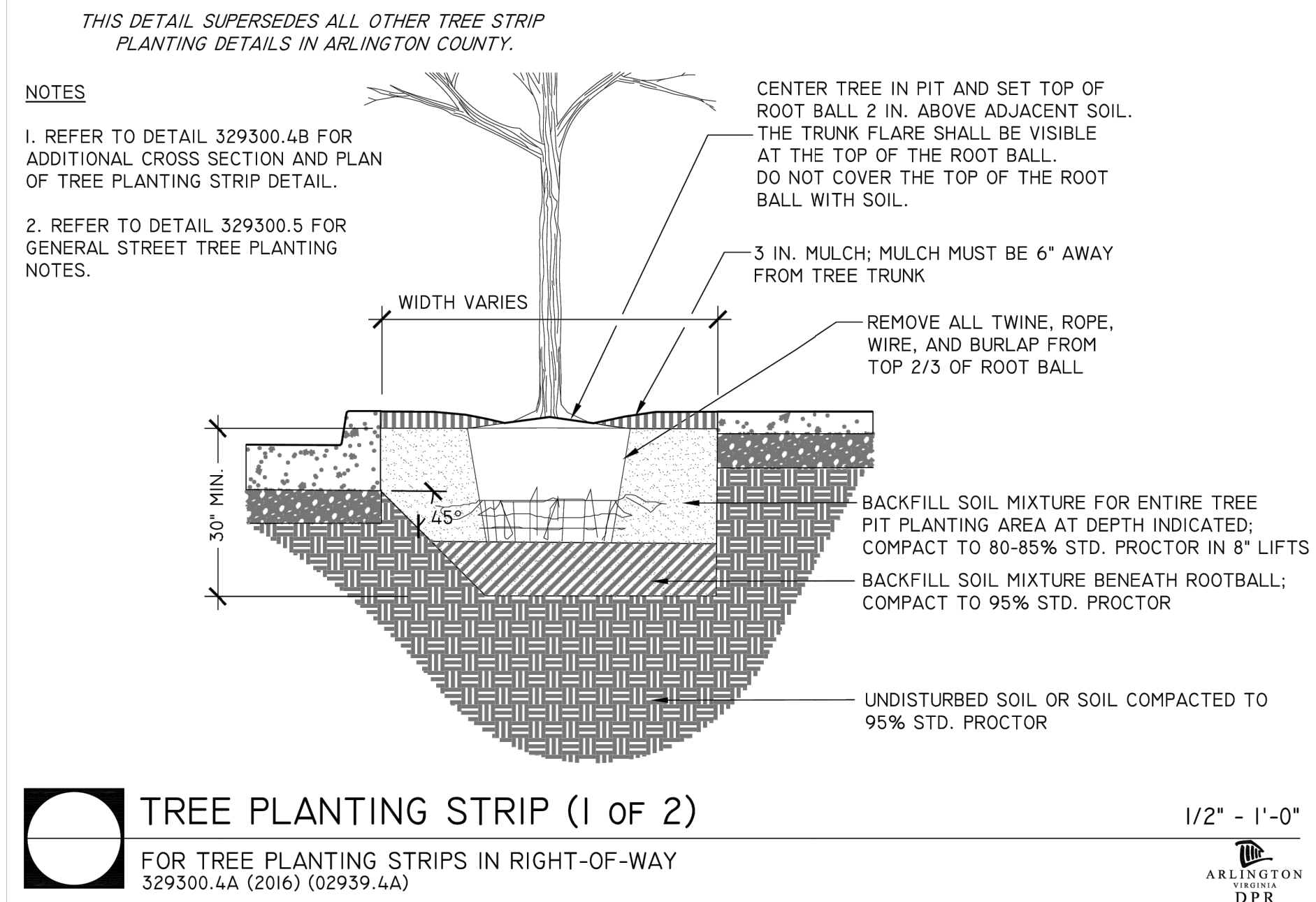
ORIENTATION AND SCALE



SHEET TITLE
PLANT SCHEDULE

SHEET NUMBER
L6.01

4.1 PLAN



GENERAL NOTES FOR STREET TREE PLANTINGS

FOR TREES PLANTED IN RIGHT-OF-WAY 329300.5 (2020)

NOTES

- NOTIFY THE DPR URBAN FORESTER AT LEAST 72 HOURS IN ADVANCE OF THE SCHEDULED INSTALLATION OF TREE PITS AND PLANTING OF ANY STREET TREES FOR INSPECTION.
- A PERMIT IS REQUIRED WHEN TREES ARE PLANTED IN PUBLIC RIGHT-OF-WAY OR IN A PUBLIC EASEMENT. THE DEPARTMENT OF ENVIRONMENTAL SERVICES SHALL ISSUE THE PERMIT ACCORDING TO THE PROVISIONS OF THE CURRENT ARLINGTON COUNTY ADMINISTRATIVE REGULATION 4.3.
- TREE SPECIES SHALL BE SELECTED FROM THE "ARLINGTON COUNTY STREET TREE LIST" OR PER SECTOR PLAN REQUIREMENTS.
- TREES SHALL BE NURSERY GROWN SPECIMENS THAT MEET THE LATEST EDITION OF THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60). BALLED AND BURLAPPED TREES SHALL BE SECURELY HELD IN PLACE BY UNTREATED BURLAP AND STOUT ROPE (NYLON ROPE IS NOT ACCEPTABLE). LOOSE, BROKEN OR MANUFACTURED BALLS ARE UNACCEPTABLE.
- CALL MISS UTILITY AT (800) 552-7001 FOR UTILITY LOCATIONS PRIOR TO EXCAVATION.
- AT TIME OF PLANTING PRUNE ONLY CROSSING LIMBS, BROKEN OR DEAD BRANCHES, AND ANY BRANCHES THAT POSE A HAZARD TO PEDESTRIANS. DO NOT PRUNE INTO OLD WOOD ON EVERGREENS.
- TREE PIT AND TREE STRIP PLANTING AREA DIMENSIONS: SEE PLAN
- SPACE TREES 25'-30' APART OR PER SECTOR PLAN REQUIREMENTS OR SITE CONDITIONS.
- SITE CHARACTERISTICS, SUCH AS OVERHEAD POWER LINES, EXISTING VEGETATION, AND INFRASTRUCTURE ITEMS SUCH AS CURBS, SIDEWALKS AND UTILITIES SHALL BE CONSIDERED. TREES THAT GROW TALLER THAN 25 FEET SHOULD NOT BE PLANTED DIRECTLY UNDER POWER LINES. WHEN POSSIBLE THE TREE LEADER SHALL BE OFFSET FROM POWER LINES.
- BACKFILL SOIL MIXTURE SHALL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE COUNTY URBAN FORESTER. PEAT MOSS MAY NOT BE USED).
- IF THE QUANTITY OF ACCEPTABLE EXISTING SOIL IS INSUFFICIENT FOR THE PLANTING REQUIREMENTS, THE CONTRACTOR MAY USE TOPSOIL. SOIL TEST REPORT RESULTS FOR THE TOPSOIL WILL BE MADE AVAILABLE TO THE COUNTY URBAN FORESTER UPON REQUEST. CONTRACTOR SHALL SUBMIT TOPSOIL FOR APPROVAL TO COUNTY URBAN FORESTER THAT MEETS THE FOLLOWING SPECIFICATIONS:
 - TOPSOIL CONSISTS OF A SANDY LOAM WITH UNIFORM COMPOSITION AND IS FREE OF STONES, LUMPS, PLANTS, ROOTS, AND OTHER DEBRIS OVER 1/2" IN LENGTH.
 - TOPSOIL HAS A PH RANGE OF 5.5 TO 6.5 AND A MINIMUM CONTENT OF 1.0% ORGANIC MATTER
 - TOPSOIL DOES NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH. SOLUBLE SALT LEVEL SHALL NOT EXCEED 3 MILLIGRAMS PER CENTIMETER.
- TREES PLANTED WITHOUT THE TRUNK FLARE VISIBLE WILL BE REJECTED.
- TREES MAY ONLY BE STAKED IF REQUIRED BY THE COUNTY URBAN FORESTER. REFER TO ARLINGTON COUNTY STANDARD STAKING DETAILS.
- MULCH SHALL BE CLEAN, SCREENED, DOUBLE-HAMMERED HARDWOOD BARK MULCH UNIFORM IN SIZE AND FREE OF STONES, CLODS, NON-ORGANIC DEBRIS AND OTHER FOREIGN MATERIAL.
- ALL PLANTS SHALL BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION. EACH WATERING WILL CONSIST OF 20 GALLONS PER TREE.
- CONTRACTOR SHALL LEGALLY REMOVE EXCESS SOIL & DEBRIS FROM SITE.

ARLINGTON COUNTY DPR

1 TREE PLANTING STRIP

L6.02 Scale: NTS

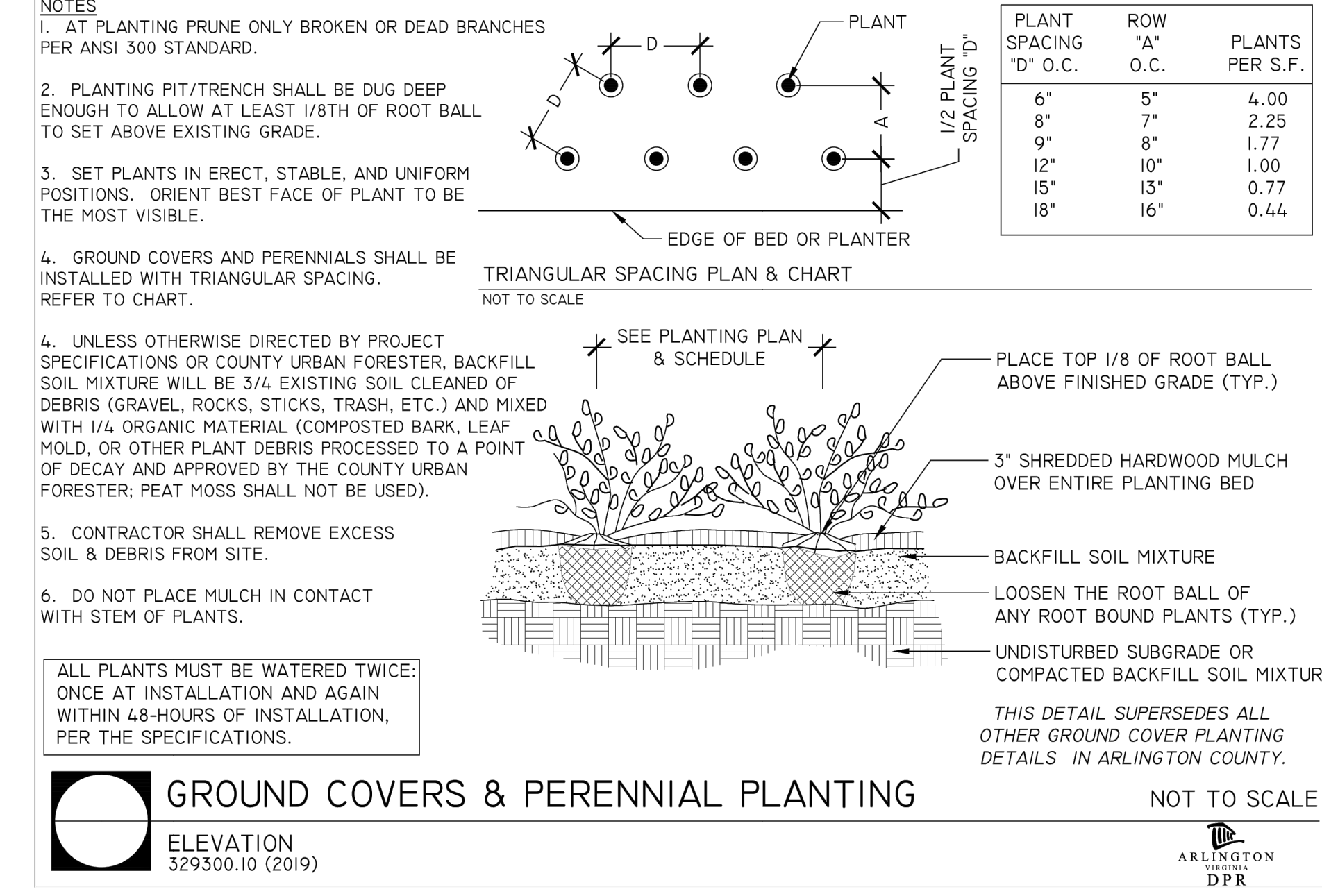
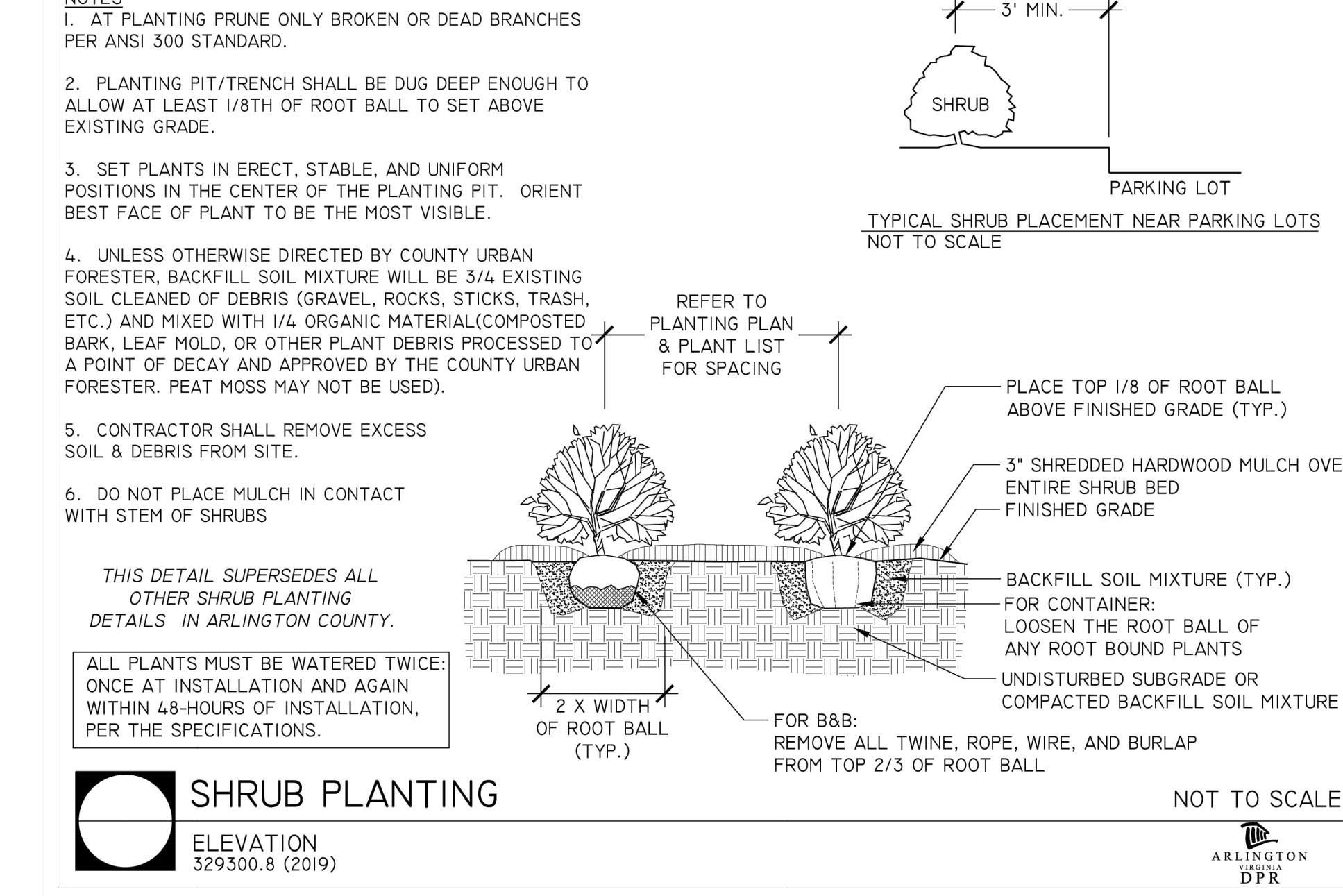
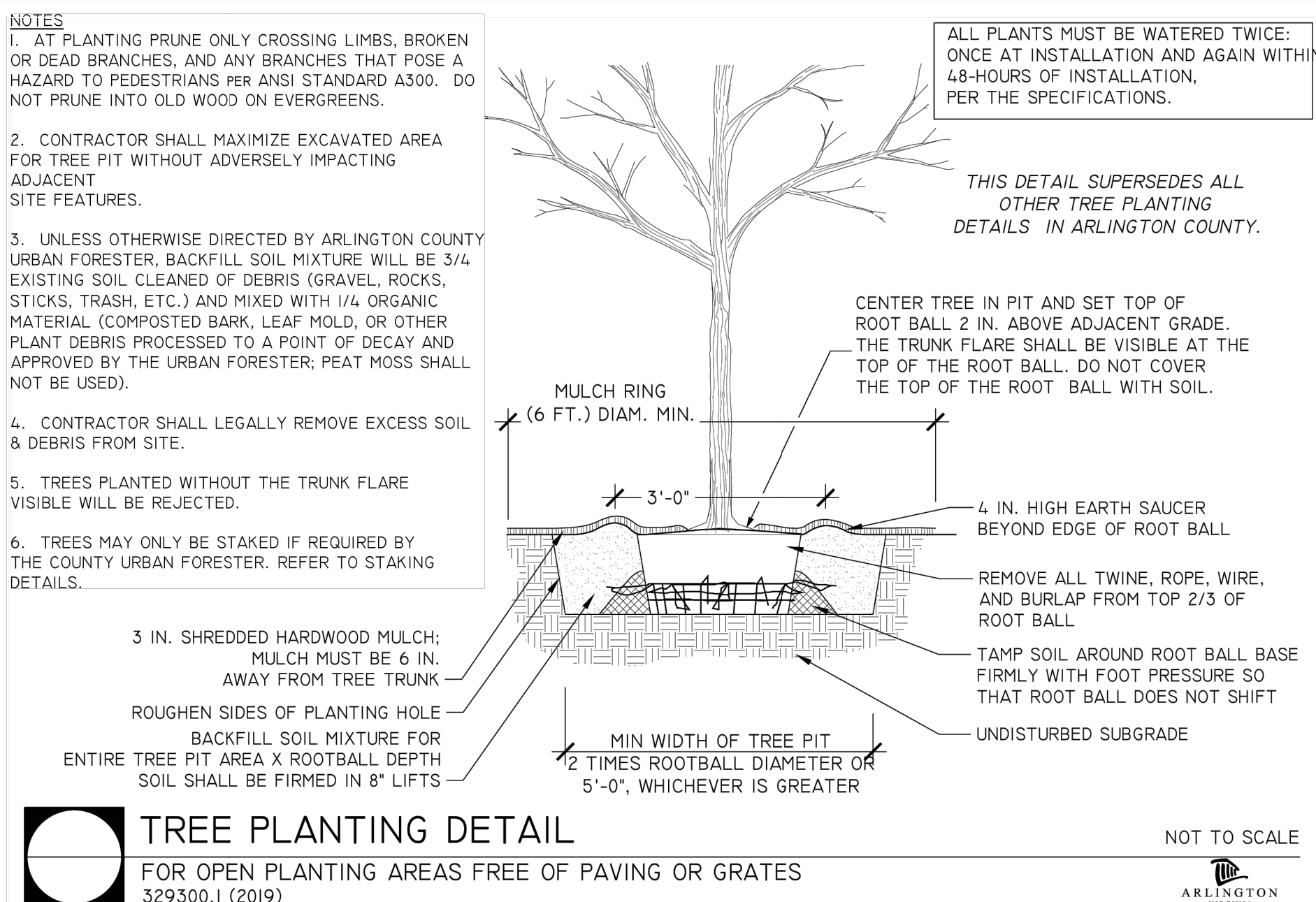
2 NOTES FOR STREET TREE PLANTINGS

L6.02 Scale: NTS

GENERAL NOTES FOR STREET TREE PLANTINGS

FOR TREES PLANTED IN RIGHT-OF-WAY 329300.5 (2020)

ARLINGTON COUNTY DPR



3 TREE PLANTING

L6.02 Scale: NTS

4 SHRUB PLANTING

L6.02 Scale: NTS

5 GROUND COVERS & PERENNIAL PLANTING

L6.02 Scale: NTS

- TREE PLANTING**
- PLANTS SHALL BE FURNISHED AND INSTALLED AS INDICATED ON THE LANDSCAPE PLAN.
 - PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, AND COMPLY WITH MOST RECENT ANSI Z60.1 STANDARDS.
 - PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED. ALL PLANTS KEPT ON SITE FOR ANY PERIOD SHOULD BE WATERED AND CARED FOR USING ANSI A300 STANDARDS.
 - NO STAKES SHALL BE USED TO STABILIZE TREES, UNLESS DIRECTED BY THE ARLINGTON COUNTY URBAN FORESTER.
 - TREES PLANTED SHALL RECEIVE A 3 INCH THICK LAYER OF SHREDDED HARDWOOD MULCH, IN A 6 FOOT RING SURROUNDING THE TREE, WITH A 6 INCH CLEAR AREA NEAR THE TRUNK.
 - PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
 - PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN MUDDY OR FROZEN CONDITION. TREES AND SHRUBS SHALL BE INSTALLED BETWEEN 09/15 AND 12/15 OR BETWEEN 03/15 AND 06/15. CONTACT THE ARLINGTON COUNTY URBAN FORESTER TO OBTAIN A DEFERRAL OR APPROVAL FOR PLANTING OUT OF SEASON.
 - NO PLANT, EXCEPT GROUNDCOVERS, SHALL BE PLANTED WITHIN TWO FEET OF A SIDEWALK, 5 FEET FROM A FENCE, 10 FEET FROM A BUILDING, OR 15 FEET FROM OVERHEAD UTILITY LINES.
 - TREES AND SHRUBS SHALL BE PLANTED IN HOLES TWO TO THREE TIMES AS WIDE AND TO THE DEPTH OF THE ROOT BALL.
 - PLANTS SHALL BE PLANTED IN HEALTHY, UNCOMPACTED SOIL. SEE THE PLANTING DETAIL FOR SOIL SPECIFICATIONS.
 - SET ALL PLANTS PLUMB AND STRAIGHT AT SUCH LEVEL THAT NORMAL OR NATURAL RELATIONSHIP BETWEEN THE PLANT AND THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE THE PLANT IN THE CENTER OF THE PIT.
 - INJURED ROOTS SHALL BE PRUNED TO CLEAN ENDS BEFORE PLANTING WITH CLEAN, SHARP TOOLS. THE LEADER OF TREES SHALL NOT BE CUT BACK.
 - AT THE END OF THE PROJECT, PRESERVED AND PLANTED TREES MUST BE INSPECTED AND APPROVED BY AN ARLINGTON COUNTY URBAN FORESTER.

6 TREE PLANTING NOTES

L6.02 Scale: NTS

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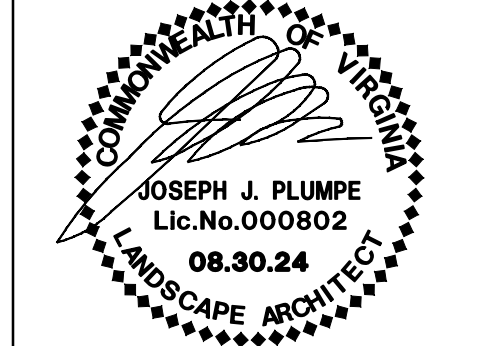
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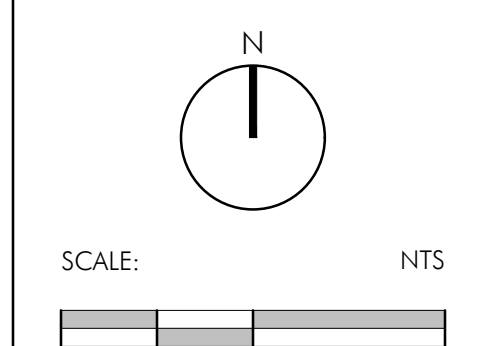
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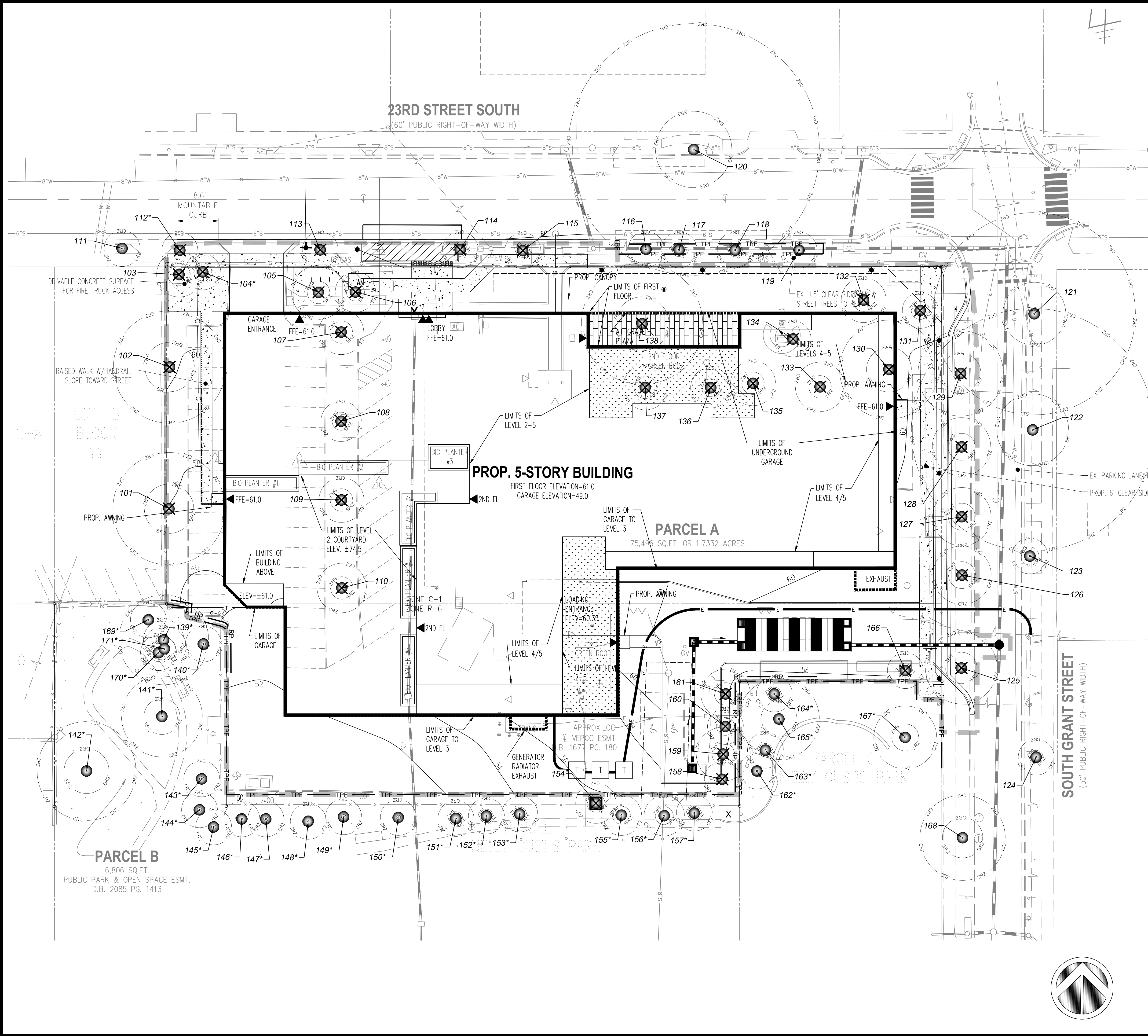
SHEET TITLE
LANDSCAPE DETAILS

SHEET NUMBER

L6.02

4.1 PLAN

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LEGEND

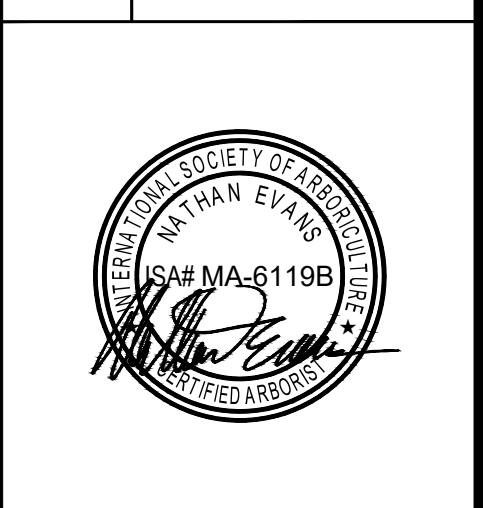
- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ) & STRUCTURAL ROOT ZONE (SRZ)
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED BY ARBORIST (SEE SPECIFICATIONS)
- PROPOSED TREE PROTECTION FENCE (SEE DETAIL & SPECIFICATIONS)
- PROPOSED ROOT PRUNING (SEE DETAIL & SPECIFICATIONS)
- PROPOSED LOD

- TREE PRESERVATION NOTES:**
- TREE LOCATIONS MAY BE APPROXIMATE. OWNER AND CONTRACT ARBORIST SHALL VERIFY ALL TREE LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND/OR TREATMENT OR REMOVAL.
 - PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO COMMENCEMENT OF DEMOLITION/CONSTRUCTION ACTIVITY. ARLINGTON COUNTY URBAN FORESTER, OWNER, DESIGN TEAM MEMBERS (PROJECT ARBORIST, LANDSCAPE ARCHITECT, ENGINEER AND ARCHITECT), CONTRACT ARBORIST, SITE AND LANDSCAPE CONTRACTORS SHALL ATTEND.
 - REMOVAL OR TREATMENT OF ANY SHARED, OFFSITE, OR ROW TREES REQUIRES WRITTEN PERMISSION FROM ALL OWNERS PRIOR TO ANY WORK.
 - TREES RATED "POOR", "CRITICAL", OR "DEAD" THAT ARE NOT CURRENTLY RECOMMENDED FOR REMOVAL DUE TO CONSTRUCTION IMPACTS FROM THIS PROJECT MAY WARRANT FURTHER EVALUATION AND/OR TREATMENT OR REMOVAL BY OTHERS DUE TO THEIR EXISTING CONDITION.
- TREE ASSESSMENT NOTES:**
- TREE CONDITION ASSESSMENT CONDUCTED BY NATHAN EVANS, ISA# MA-6119B ON MAY 21, 2024.
 - THE INSPECTION OF THESE TREES CONSISTED SOLELY OF A VISUAL INSPECTION FROM THE GROUND. WHILE MORE THOROUGH TECHNIQUES ARE AVAILABLE FOR INSPECTION AND EVALUATION, THEY WERE NEITHER REQUESTED NOR CONSIDERED NECESSARY OR APPROPRIATE AT THIS TIME.
 - TREE CONDITION WAS ASSESSED USING THE METHODS OUTLINED IN THE COUNCIL OF TREE & LANDSCAPE APPRAISERS *GUIDE FOR PLANT APPRAISAL, 10TH EDITION*
 - OFFSITE TREES WERE VISUALLY ASSESSED FROM WITHIN THE SUBJECT PROPERTIES AND/OR PUBLIC SPACE AND ARE LIMITED TO ESTIMATIONS ONLY.
- MAP NOTES:**
- THIS MAP HAS BEEN ORIENTED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, NORTH ZONE, NAD83.
 - TREE LOCATIONS ARE CORRELATED TO A SURVEY PROVIDED BY WALTER L. PHILLIPS. TREE NUMBERS WITH AN ASTERISK (*), PRIMARILY OFFSITE TREES, ARE APPROXIMATE.
 - THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY WALTER L. PHILLIPS AND IS FOR INFORMATION PURPOSES ONLY. THIS DOES NOT CONSTITUTE A BOUNDARY SURVEY BY WETLAND STUDIES AND SOLUTIONS, INC. (WSSI).

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TREE PRESERVATION PLAN
750 23RD ST. SOUTH
4.1 PLAN

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REVISIONS

No.	Date	Description	Rev. By	App. By
1	08/19/24	4.1 PRELIMINARY SUBMISSION	NE	CH
2	08/29/24	4.1 PRELIMINARY SUBMISSION 02		

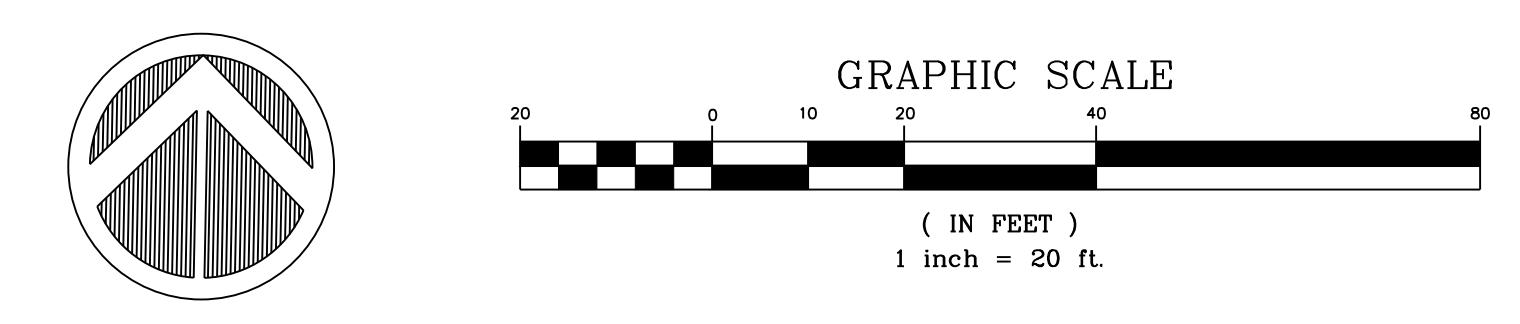
DATE: AUG 28, 2024 SCALE: 1" = 20' C1.1.2'

Horizontal Datum: VCS NAD 83
 Vertical Datum:
 Boundary and Topo Source:
 WALTER L. PHILLIPS

Design	Draft	Approved
AB	NE	NE

Sheet #
LJ-101

WSSI Project Number:
 WSL0001017



TREE PRESERVATION SPECIFICATIONS AND NARRATIVE

1. GENERAL

- 1.1. REFER TO THE TREE PROTECTION ACTION KEY (TPAK) FOR SPECIFIC RECOMMENDATIONS FOR EACH TREE.
- 1.2. PRIOR TO ANY DEMOLITION OR CONSTRUCTION WORK WITHIN OR ADJACENT TO TREE PROTECTION AREAS (TPA), A PRE-CONSTRUCTION SITE WALK SHALL BE HELD TO INCLUDE THE CONTRACT ARBORIST AND PROJECT ARBORIST WITH THE CONTRACTOR, ARCHITECT, ARLINGTON COUNTY URBAN FORESTER, AND OWNER.
- 1.3. SUBSTITUTIONS OR ALTERNATIVE METHODS OR MATERIALS SHALL BE REVIEWED AND APPROVED BY ARLINGTON COUNTY URBAN FORESTER.
- 1.4. ALL TREE PROTECTION MEASURES MUST BE IN PLACE PRIOR TO COMMENCEMENT OF DEMOLITION, SITE CLEARING OR CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. TREE PROTECTION MEASURES MAY ONLY BE REMOVED WITH ARLINGTON COUNTY URBAN FORESTER APPROVAL.
- 1.5. ALL MEASURES WILL BE REVIEWED AFTER INSTALLATION AND APPROVED BY OWNER AND ARLINGTON COUNTY URBAN FORESTER.

2. REMOVAL BY ARBORIST

- 2.1. TREES DESIGNATED AS "REMOVAL BY ARBORIST" SHALL BE REMOVED BY A QUALIFIED ARBORIST "BY HAND", TO MINIMIZE POTENTIAL FOR DAMAGE TO REMAINING TREES AND ROOTS.
- 2.2. CREWS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
- 2.3. TRUCKS AND MECHANIZED EQUIPMENT SHALL NOT ENTER THE FENCED TREE PROTECTION AREAS, EXCEPT WHERE EXPLICITLY APPROVED BY THE PROJECT ARBORIST AND UTILIZING APPROVED ROOT PROTECTION DEVICE.
- 2.4. STUMPS SHALL BE LEFT IN PLACE OR GROUND OUT AT THE OWNER'S DISCRETION. STUMPS IN TURF/LANDSCAPE AREAS OR WITHIN ROOT AERATION MATTING AREAS SHALL BE GROUND.
- 2.5. STUMP GRINDING SHALL BE DONE WITH SMALL MACHINES SPECIFICALLY DESIGNED FOR THAT PURPOSE. NO STUMPS SHALL BE EXCAVATED EXCEPT AS DESCRIBED HEREIN. STUMPS SHALL BE GROUND NOT MORE THAN 8" BELOW GRADE AND CARE MUST BE TAKEN TO MINIMIZE DAMAGE TO ROOTS OF RETAINED TREES.

3. TREE PROTECTION FENCE

- 3.1. INSTALL AND MAINTAIN TEMPORARY TREE PROTECTION FENCE FOR EACH TREE PROTECTION AREA AS SHOWN ON THE PLAN. INSTALLATION IS TYPICALLY AFTER ROOT PRUNING AND PRIOR TO CLEARING & GRADING.
- 3.2. FENCE SHALL BE ONE OF THE FOLLOWING: (SEE DETAIL)
 - 3.2.1. 4' HIGH, 14 GAUGE WELDED WIRE FENCE MOUNTED ON 6" STEEL "T" POSTS SPACED NOT MORE THAN 10' APART. FENCE SHALL BE ATTACHED TO POSTS USING GALVANIZED STEEL CLIPS OR ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
 - 3.2.2. 6' HIGH CHAIN LINK FENCE FABRIC MOUNTED ON 8", 1.5" GALVANIZED STEEL PIPE LINE POSTS. CORNER POSTS SHALL BE 2"Ø. FENCE SHALL BE ATTACHED TO POSTS USING ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
 - 3.2.3. "SUPER SILT FENCE" (SILT FENCE WITH AN INCORPORATED CHAIN LINK FENCE FABRIC) INSTALLED AS SPECIFIED BY APPROPRIATE STATE OR LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- 3.3. SILT FENCE SHALL BE COORDINATED FOR INSTALLATION TO ENHANCE PROTECTION AND AVOID UNNECESSARY ROOT CUTS BY SILT FENCE INSTALLATION.
- 3.4. FENCE SHALL REMAIN FOR THE DURATION OF CONSTRUCTION. FENCE MAY BE REMOVED ONLY AFTER ALL CONSTRUCTION AND FINAL LANDSCAPING IS COMPLETE AND WITH ARLINGTON COUNTY URBAN FORESTER APPROVAL.

4. TREE PROTECTION AREA SIGNS

- 4.1. TREE PROTECTION AREA SIGNS SHALL BE AFFIXED TO ALL TREE PROTECTION FENCE AT 30' SPACING AVERAGE.
- 4.2. SIGNS SHALL BE BILINGUAL (ENGLISH AND SPANISH).
- 4.3. SIGNS SHALL NOT BE AFFIXED DIRECTLY TO TREES. SEE DETAIL.
- 4.4. SIGN MATERIAL SHALL BE WATERPROOF, HEAVY VINYL OR SIMILAR.
- 4.5. SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

5. ROOT PRUNE

- 5.1. THE EXACT LOCATION AND DEPTH WILL BE DETERMINED DURING THE PRE-CONSTRUCTION MEETING. SPECIFIC EQUIPMENT & METHODS WILL BE DETERMINED BY PROJECT ARBORIST AND ARLINGTON COUNTY URBAN FORESTER BASED UPON DEPTH & TREE IMPACT. (SEE DETAIL)
- 5.2. HAND PRUNE ROOTS OVER 1" DIAMETER WITHIN CRZS OF SIGNIFICANT TREES. STEEP SLOPES, DEEP EXCAVATIONS AND PAVEMENT/CURB REMOVAL WILL BE REVIEWED WHEN OPEN FOR HAND ROOT PRUNING DURING CONSTRUCTION.
- 5.3. COORDINATE WITH SILT FENCE INSTALLATION TO MINIMIZE UNNECESSARY ROOT DAMAGE.
- 5.4. ROOT PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST.

6. WOOD CHIP MULCH

- 6.1. INSTALL MULCH FOR DESIGNATED SIGNIFICANT TREES. MULCH AREA SHALL BE ONE OF THE FOLLOWING, AT THE DISCRETION OF THE CONTRACT ARBORIST AND OWNER:
 - 6.1.1. INSTALL MULCH BED RINGS. MULCH SHOULD COVER AT LEAST THE ENTIRE STRUCTURAL ROOT ZONE. LARGER MULCH BEDS ARE PREFERRED.
 - 6.1.2. PROVIDE CONTINUOUS MULCH STRIP 10' TO 15' WIDE ALONG LOD WITHIN PRESERVED CRZ AREAS.
- 6.2. MULCH SHALL BE INSTALLED TO A DEPTH OF 4". TOTAL MULCH DEPTH SHALL NOT EXCEED 4" SHOULD EXISTING MULCH BE PRESENT.
- 6.3. MULCH SHALL BE DOUBLE GROUND SHREDDED HARDWOOD, AGED FOR AT LEAST 6 MONTHS FROM AN APPROVED SOURCE. INSUFFICIENTLY OR IMPROPERLY AGED MULCH CONTAINING HIGH BACTERIAL COUNTS OR HIGH LEVELS OF BARK, WALNUT, INVASIVE SPECIES, OR OTHER MATERIALS RESISTANT TO DECOMPOSITION SHALL NOT BE USED.
- 6.4. MULCH SHALL NOT CONTACT TRUNK OF TREES.
- 6.5. EDGING SHALL NOT BE USED.

7. CONSTRUCTION MONITORING/INSPECTIONS

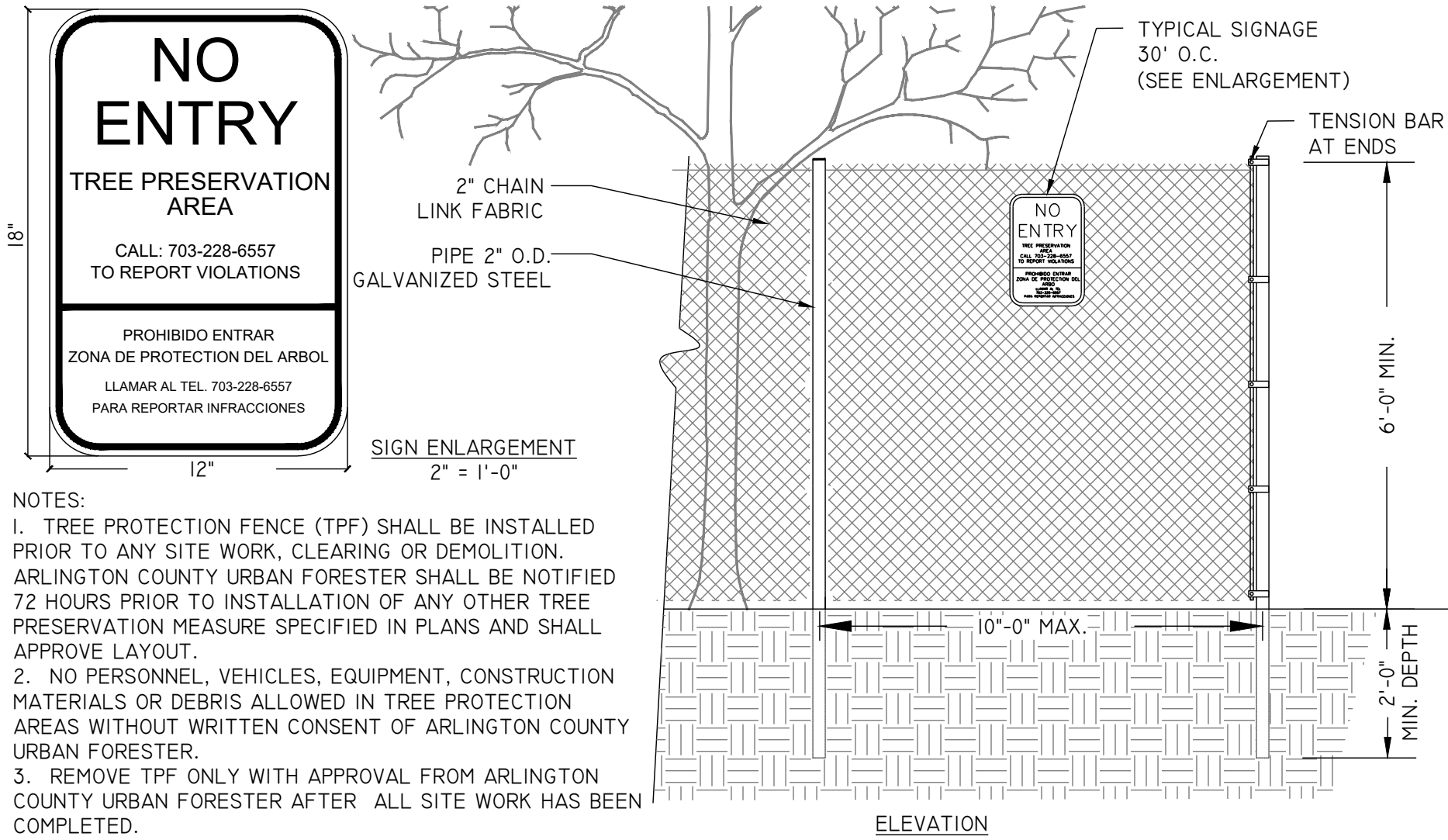
- 7.1. A CERTIFIED ARBORIST SHALL ACTIVELY MONITOR THE SITE TO ENSURE ADHERENCE TO ALL TREE PROTECTION REQUIREMENTS.
- 7.2. THIS WORK IS TYPICALLY PERFORMED BY THE CONTRACT ARBORIST, TO BE HIRED BY THE GENERAL CONTRACTOR OR OWNER.
- 7.3. SCHEDULE:
 - 7.3.1. PHASE 1 (DURING INITIAL CLEARING AND INSTALLATION OF TREE PROTECTION AND PERIMETER E&S CONTROLS) INSPECTIONS SHALL BE AT LEAST WEEKLY.
 - 7.3.2. PHASE 2 (DURING ALL REMAINING SITE WORK AND UNTIL PROJECT COMPLETION) INSPECTIONS SHALL BE AT LEAST MONTHLY.
 - 7.3.3. TRANSITION FROM WEEKLY TO MONTHLY SCHEDULE SHALL REQUIRE OWNER AND ARLINGTON COUNTY URBAN FORESTER APPROVAL.
- 7.4. REPORTS SHALL BE PROVIDED TO THE OWNER AND ARLINGTON COUNTY URBAN FORESTER. REPORTS SHALL DOCUMENT CONDITION OF TREE PROTECTION DEVICES AND PROVIDE RECOMMENDATIONS FOR MAINTENANCE AND/OR ADDITIONAL CARE.
- 7.5. ADDITIONAL ARBORIST INSPECTIONS AND/OR DIRECT ARBORIST OVERSIGHT OF CRITICAL TREE PRESERVATION ACTIVITIES, TREE PRUNING, TREE REMOVAL, OR OTHER SENSITIVE ACTIVITIES MAY BE REQUIRED. WEEKLY INSPECTIONS DO NOT SATISFY THE NEED FOR DIRECT ARBORIST OVERSIGHT THAT MAY BE REQUIRED FOR SPECIFIC ACTIVITIES.

8. PUBLICATIONS INCLUDED BY REFERENCE

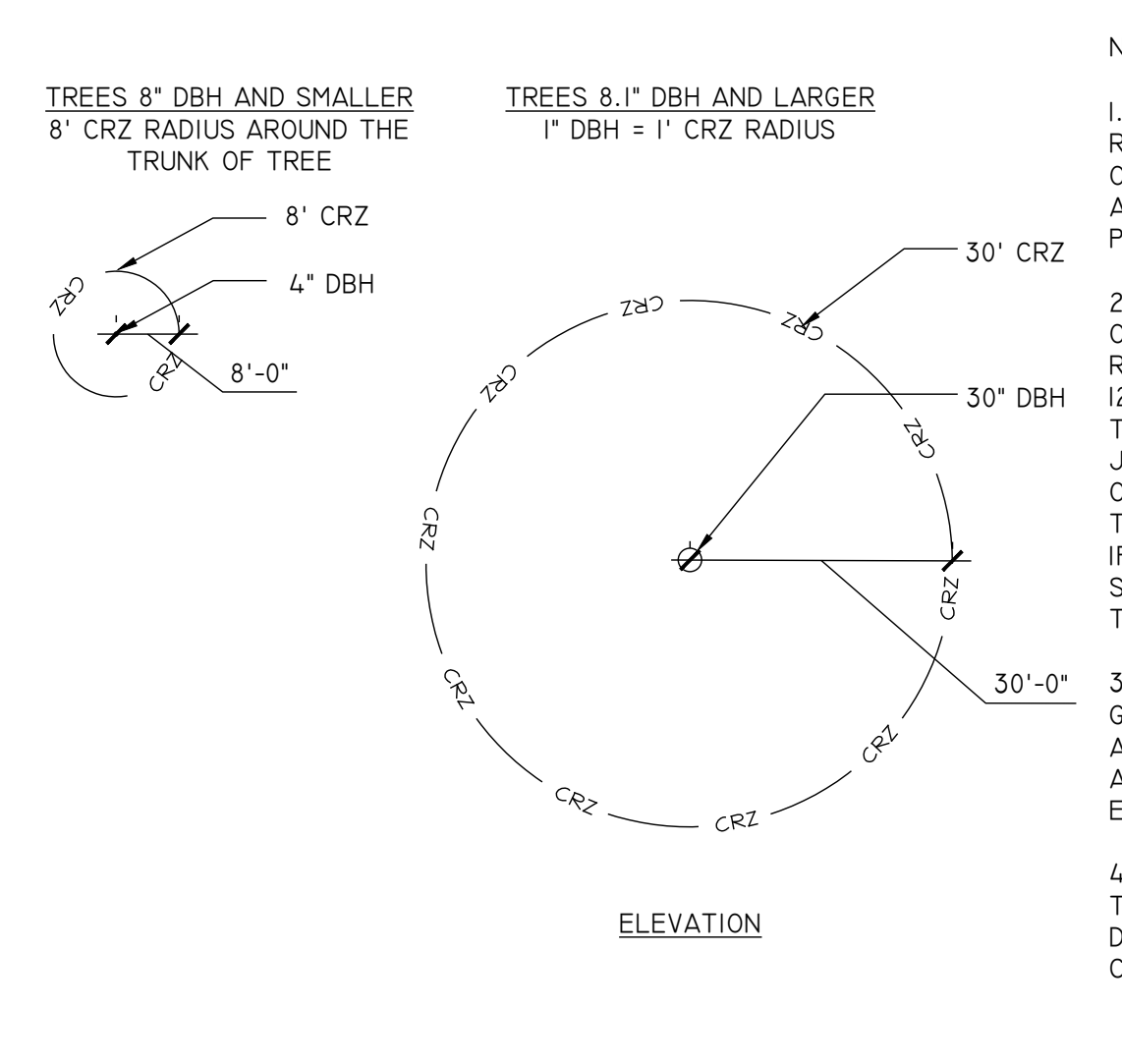
- PUBLICATIONS LISTED HEREIN ARE PART OF THIS WORK TO EXTENT REFERENCED:
- 8.1. ANSI A300 STANDARD PRACTICES FOR TREES, SHRUBS, AND OTHER WOODY PLANT MAINTENANCE
 - 8.1.1. PART 1 -- 2017, TREE PRUNING
 - 8.1.2. PART 2 -- 2018, SOIL MANAGEMENT
 - 8.1.3. PART 3 -- 2013, SUPPLEMENTAL SUPPORT SYSTEMS
 - 8.1.4. PART 4 -- 2014, LIGHTNING PROTECTION SYSTEMS
 - 8.1.5. PART 5 -- 2019, MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND CONSTRUCTION
 - 8.1.6. PART 6 -- 2018, PLANTING AND TRANSPLANTING
 - 8.1.7. PART 8 -- 2020, ROOT MANAGEMENT
 - 8.1.8. PART 9 -- 2017, TREE RISK ASSESSMENT
 - 8.1.9. PART 10 -- 2016, IPM
 - 8.2. ANSI Z133.1 -- 2017 AND MOST RECENT UPDATES, ARBORICULTURAL OPERATIONS -- SAFETY REQUIREMENTS

ARLINGTON COUNTY STANDARD TREE PROTECTION NOTES

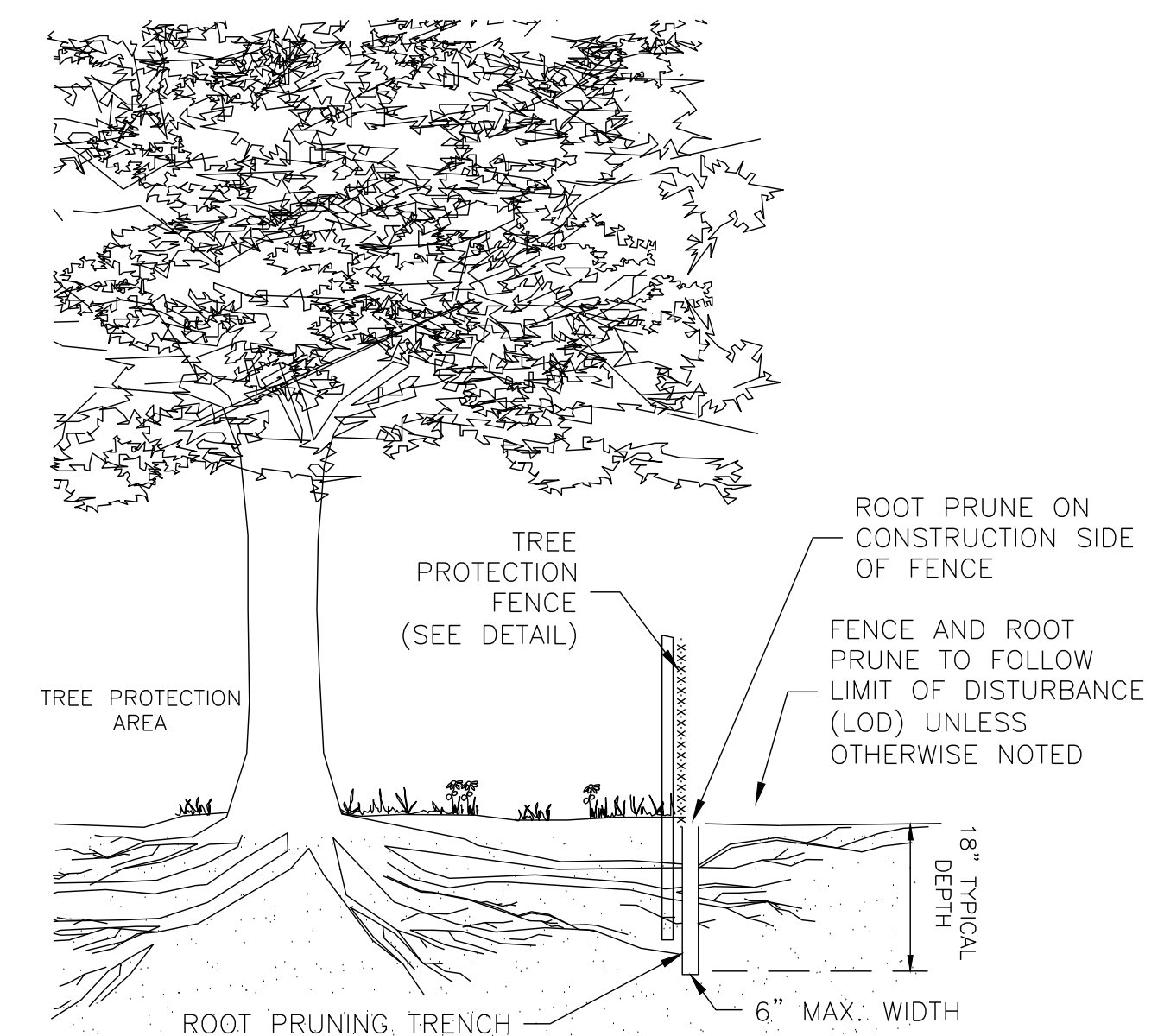
1. BEFORE ANY GRADING, DEMOLITION, OR OTHER DISTURBANCE, TREE PROTECTION NEEDS TO BE INSTALLED PER PLAN, AND INSPECTED BY AN ARLINGTON COUNTY PARKS AND RECREATION URBAN FORESTER. EROSION AND SEDIMENT CONTROLS ARE INSPECTED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES.
2. PLANTS SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL PLANTS, MATERIALS, AND EQUIPMENT.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS, WELL-DEVELOPED DENSELY FOLIATED BRANCHES, AND VIGOROUS ROOT SYSTEMS; AND BE FREE FROM DEFECTS AND INJURIES.
4. PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY IF/WHEN PRACTICAL. IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED, UNLESS OWNER AND CONTRACTOR PROVIDE OTHERWISE BY WRITTEN AGREEMENT. ALL PLANTS KEPT ON SITE FOR ANY PERIOD OF TIME SHOULD BE WATERED AND CARED FOR USING ANSI A300 STANDARDS.
5. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
6. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN MUDDY OR FROZEN CONDITION. LAWNS, TREES AND SHRUBS SHALL BE INSTALLED BETWEEN 03/15 AND 06/15 OR BETWEEN 09/15 AND 12/01. IF A PROJECT COMPLETION IS OUTSIDE OF THIS PLANTING PERIOD, CONTACT THE ARLINGTON COUNTY URBAN FORESTER TO OBTAIN A DEFERRAL OR APPROVAL FOR PLANTING OUT OF SEASON.
7. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED WITHIN TWO FEET OF A SIDEWALK.
8. TREES AND SHRUBS SHALL BE PLANTED IN HOLES TWO TO THREE TIMES AS WIDE AND TO THE DEPTH OF THE ROOT BALL.
9. PLANTS SHALL BE PLANTED IN IN SITU SOIL THAT IS THOROUGHLY WATERED.
10. SET ALL PLANTS PLUMB AND STRAIGHT SET AT SUCH LEVEL THAT NORMAL OR NATURAL RELATIONSHIP BETWEEN THE PLANT AND THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE THE PLANT IN THE CENTER OF THE PIT.
11. INJURED ROOTS SHALL BE PRUNED TO CLEAN ENDS BEFORE PLANTING WITH CLEAN, SHARP TOOLS. THE LEADER OF TREES SHALL NOT BE CUT BACK.
12. PRESERVED AND PLANTED TREES MUST BE INSPECTED AND APPROVED BY A DEPARTMENT OF PARKS AND RECREATION URBAN FORESTER.
13. ALL DISTURBED AREAS SHALL BE TREATED WITH 4" TOP SOIL OR COMPOST AND SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED ON SOIL EROSION AND SEDIMENT CONTROL SHEET AND/OR LANDSCAPE PLAN.



1 103 6' CHAIN LINK TREE PROTECTION FENCE
311300.1 (2016) (02231.1)
1/2" = 1'-0"
ARLINGTON COUNTY URBAN FORESTER
DPR



2 103 TREE PROTECTION DETAIL FOR DETERMINING CRITICAL ROOT ZONE
311300.3 (2019)
N.T.S.
ARLINGTON COUNTY URBAN FORESTER
DPR



3 103 ROOT PRUNING (TYPICAL)
SCALE: NTS
ARLINGTON COUNTY URBAN FORESTER
DPR

NOTES:
1. TREE PROTECTION FENCE (TPF) SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION. ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO INSTALLATION OF ANY OTHER TREE PRESERVATION MEASURE SPECIFIED IN PLANS AND SHALL APPROVE LAYOUT.
2. NO PERSONNEL, VEHICLES, EQUIPMENT, CONSTRUCTION MATERIALS OR DEBRIS ALLOWED IN TREE PROTECTION AREAS WITHOUT WRITTEN CONSENT OF ARLINGTON COUNTY URBAN FORESTER.
3. REMOVE TPF ONLY WITH APPROVAL FROM ARLINGTON COUNTY URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.
4. SIGN MATERIAL TO BE WEATHER RESISTANT.

NOTES:

1. GRAPHICALLY, THE CRITICAL ROOT ZONE (CRZ) IS REPRESENTED AS A CIRCULAR REGION MEASURED OUTWARD FROM A TREE TRUNK REPRESENTING THE AREA OF ROOTS THAT MUST BE MAINTAINED OR PROTECTED FOR THE TREE'S SURVIVAL.
2. THE CRZ OF A TREE IS THE ZONE IN WHICH MOST OF THE MAJORITY OF THE ROOTS LAY. 95% 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.
3. PLOT ACCURATE TRUNK LOCATIONS OF ALL TREES GREATER THAN 3" DIAMETER AT BREAST HEIGHT (DBH) AND/OR TREE STANDS WITHIN DEVELOPMENT AREAS ON ALL PLANS FOR THE PROJECT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.
4. PLOT ACCURATE TRUNK LOCATIONS OF OFFSITE TREES WHICH WILL HAVE THEIR CRZ AFFECTED BY DEVELOPMENT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.

TREE PRESERVATION NOTES AND DETAILS

750 23RD ST. SOUTH
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No.	Date	Description	Rev. By	App. By
1	06/18/24	4.1 PRELIMINARY SUBMISSION	NE	CH
2	06/25/24	4.1 PRELIMINARY SUBMISSION 02		

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AB	NE	NE

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