

KEY	BOTANICAL NAME	COMMON NAME	QTY	CAL.	HT.	COMMENTS	CANOPY CREDIT UNIT (SF)	TOTAL (SF)
BN	Betula nigra 'Heritage'	River Birch	2	N/A	8'-10'	B&B, full specimen 3-4 trunks	218.75	437.50
CC	Cercis canadensis 'Forest Pansy'	'Forest Pansy' Redbud	1	2"	N/A	B&B, full specimen	218.75	218.75
IG	Ilex opaca 'Greenleaf'	'Greenleaf' Holly	4	N/A	6'-7'	B&B, full specimen compact uniform	218.75	875.00
NS	Nyssa sylvatica	Blackgum	1	2"-2.5"	N/A	B&B, full specimen	312.5	312.50
OK	Quercus x warei 'Nadler'	'Kindred Spirit' Oak	5	2"-2.5"	N/A	B&B, full specimen	50	250.00
TO	Thuja occidentalis 'Nigra'	Arborvitae	12	N/A	6'-7'	B&B, full specimen compact uniform	50	600.00
UA	Ulmus americana 'Valley Forge'	Valley Forge American Elm	1	2"-2.5"	N/A	B&B, full specimen	393.75	393.75
TOTAL: 3,087.50 SF								

KEY	BOTANICAL NAME	COMMON NAME	QTY	CAL.	HT.	COMMENTS	CANOPY CREDIT UNIT (SF)	TOTAL (SF)
NS	Nyssa sylvatica	Blackgum	3	2"-2.5"	N/A	B&B, full specimen	N/A	N/A
QW	Quercus phellos	Willow Oak	2	2"-2.5"	N/A	B&B, full specimen	N/A	N/A

KEY	BOTANICAL NAME	COMMON NAME	QTY	HEIGHT	SPREAD	COMMENTS
MYP	Myrica pensylvanica	Northern Bayberry	6	24'-30"	24'-30"	#3 cont, full vigorous, well-rooted & established

KEY	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	COMMENTS
EUP	Eupatorium fistulosum	Joe Pye Weed	45	#1 cont.	30" O.C., full specimen healthy, well-rooted
PAN	Panicum virgatum 'Northwind'	Northwind Switch Grass	17	#3 cont.	24" O.C., full specimen healthy, well-rooted

LEGEND

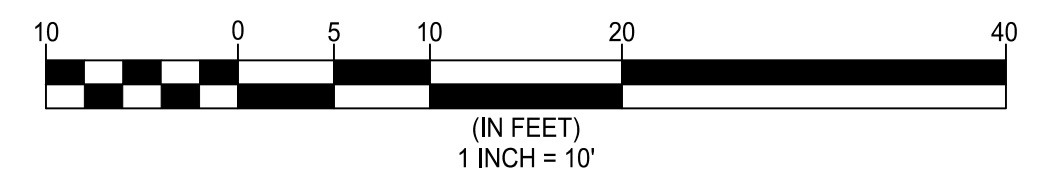
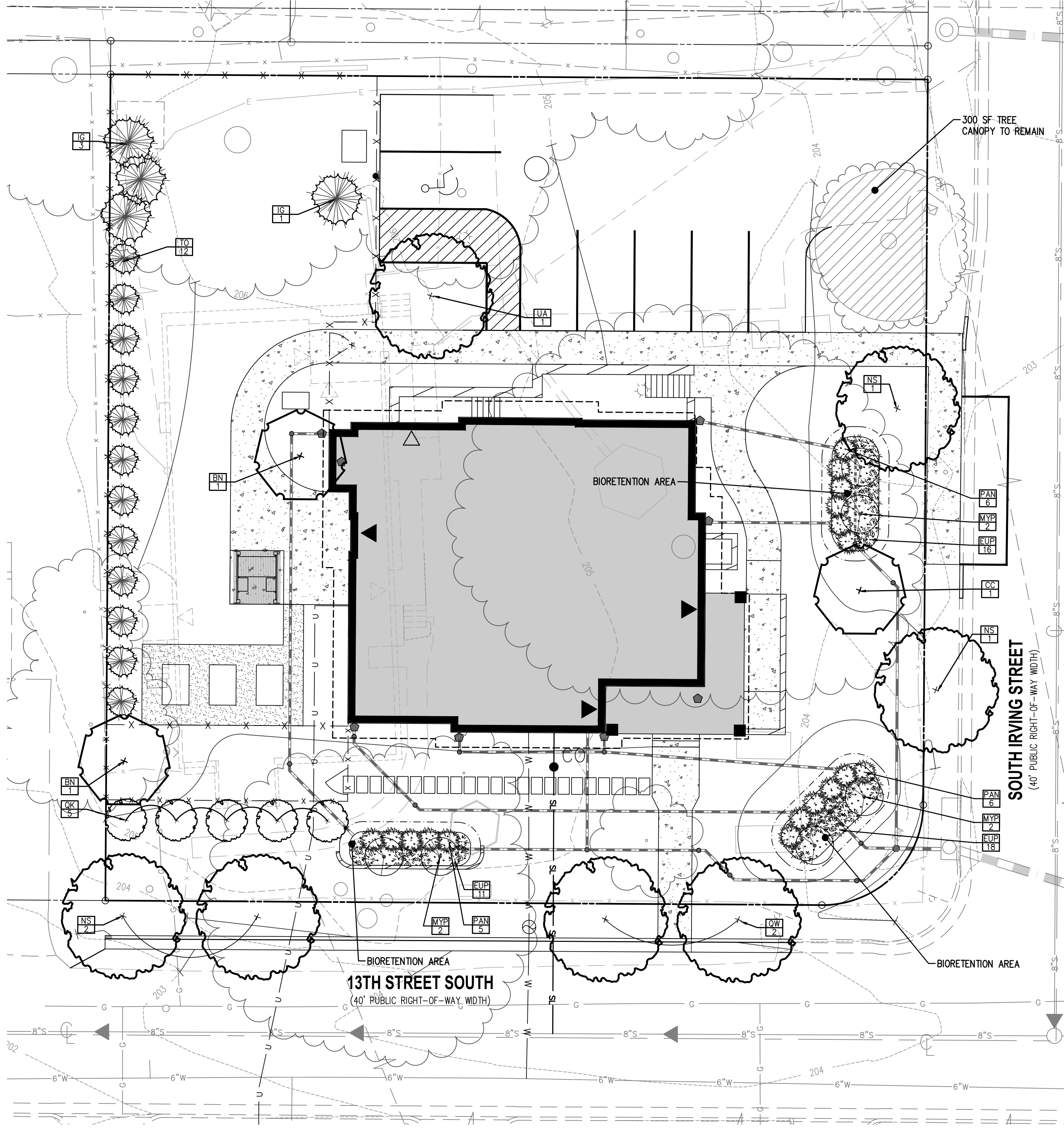
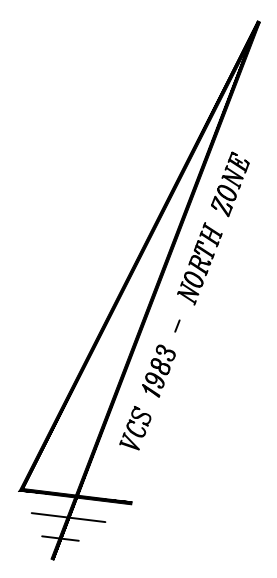
- PROPOSED DECIDUOUS TREES
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED SHRUBS
- PROPOSED PERENNIALS/ GRASSES

VA DCR STORMWATER DESIGN SPECIFICATION NO. 9 BIoretention

Table 9.5. Popular Native Plant Materials for Bioretention

Perennials/Herbaceous	Shrubs	Trees
Virginia Wild Rye (<i>Elymus virginicus</i>)	Common Winterberry (<i>Ilex verticillata</i>)	River Birch (<i>Betula nigra</i>)
Redtop Grass (<i>Agrostis alba</i>)	Inkberry (<i>Ilex glabra</i>)	Red Maple (<i>Acer rubrum</i>)
Swamp Milkweed (<i>Asclepias incarnata</i>)	Sweet Peppertree (<i>Clethra alnifolia</i>)	Pin Oak (<i>Quercus palustris</i>)
Switchgrass (<i>Panicum virgatum</i>)	Wax Myrtle (<i>Myrica cerifera</i>)	Willow Oak (<i>Quercus phellos</i>)
Cardinal Flower (<i>Lobelia cardinalis</i>)	Virginia Sweetpire (<i>Itea virginica</i>)	Sweetgum (<i>Liquidambar styraciflua</i>)
Common Three Square (<i>Scirpus americanus</i>)	Swamp Azalea (<i>Azalea viscosum</i>)	Black Willow (<i>Salix nigra</i>)
Sensitive Fern (<i>Oncoclea sensibilis</i>)	Button Bush (<i>Cephalanthus occidentalis</i>)	Grey Birch (<i>Betula populifolia</i>)
Blue Flag (<i>Iris versicolor</i>)	Black Haw (<i>Viburnum prunifolium</i>)	Black Gum (<i>Nyssa sylvatica</i>)
Woolgrass (<i>Scirpus cyperinus</i>)	Indigo Bush (<i>Amorpha fruticosa</i>)	Sycamore (<i>Platanus occidentalis</i>)
Indian Grass (<i>Sorghastrum nutans</i>)	Arrowwood (<i>Viburnum dentatum</i>)	Green Ash (<i>Fraxinus pennsylvanica</i>)
Marsh Marigold (<i>Caltha palustris</i>)		Sweetbay Magnolia* (<i>Magnolia virginiana</i>)
Joe Pye Weed (<i>Eupatorium purpureum</i>)		Atlantic White Cedar* (<i>Chamaecyparis thuyoides</i>)
Turk's cap lily (<i>Lilium superbum</i>)		Bald Cypress* (<i>Taxodium distichum</i>)
Bee Balm (<i>Momarda didyma</i>)		Grey Dogwood (<i>Cornus racemosa</i>)
Northern Sea Oats (<i>Chasmanthium latifolium</i>)		Smooth Alder (<i>Alnus serrulata</i>)
		Serviceberry (<i>Amelanchier canadensis</i>)
		Redbud (<i>Cercis canadensis</i>)
		Box Elder (<i>Acer negundo</i>)
		Fringe Tree (<i>Chionanthus virginicus</i>)

Note: Prior to selection, please consult bioretention plant lists for more detailed information regarding inundation, drought and salt tolerance for each species.
* most applicable to the coastal plain



ADVANCE COPY

TREE PLANTING DETAIL
FOR OPEN PLANTING AREAS FREE OF PAVING OR GRATES
329300.1 (2019)

NOTES:

- AT PLANTING PRUNE ONLY CROSSING LIMBS, BROKEN OR DEAD BRANCHES, AND ANY BRANCHES THAT POSE A HAZARD TO PEDESTRIANS PER ANSI STANDARD A300. DO NOT PRUNE INTO OLD WOOD ON EVERGREENS.
- CONTRACTOR SHALL MAXIMIZE EXCAVATED AREA FOR TREE PIT WITHOUT ADVERSELY IMPACTING ADJACENT SITE FEATURES.
- UNLESS OTHERWISE DIRECTED BY ARLINGTON COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4" EXISTING SOIL, CLEARED OF DEBRIS (SPHAGNUM, 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 URBAN FORESTER; PEAT MOSS SHALL NOT BE USED).
- CONTRACTOR SHALL LEGALLY REMOVE EXCESS SOIL & DEBRIS FROM SITE.
- TREES PLANTED WITHOUT THE TRUNK FLARE VISIBLE WILL BE REJECTED.
- TREES MAY ONLY BE STAKED IF REQUIRED BY THE COUNTY URBAN FORESTER. REFER TO STAKING DETAILS.
- 5 IN. SHREDDED HARDWOOD MULCH; MULCH MUST BE 6 IN. AWAY FROM TREE TRUNK
- ROUGHEN SIDES OF PLANTING HOLE
- BACKFILL SOIL MIXTURE FOR ENTIRE TREE PIT AREA X ROOTBALL DEPTH SOIL SHALL BE FIRMED IN 8" LIFTS
- MIN WIDTH OF TREE PIT
- 2 TIMES ROOTBALL DIAMETER OR 5'-0", WHICHEVER IS GREATER
- MULCH RING (6 FT.) DIAM. MIN.
- 3'-0"
- 4 IN. HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL
- REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP 2/3 OF ROOT BALL
- TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT
- UNDISTURBED SUBGRADE

ALL PLANTS MUST BE WATERED TWICE, ONCE AT INSTALLATION AND AGAIN WITHIN 48 HOURS OF INSTALLATION, PER THE SPECIFICATIONS.

THIS DETAIL SUPERSEDES ALL OTHER TREE PLANTING DETAILS IN ARLINGTON COUNTY.

CENTER TREE IN PIT AND SET TOP OF ROOT BALL 2 IN. ABOVE ADJACENT GRADE. THE TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

NOT TO SCALE

TREE CONSERVATION PLAN - PROPOSED CONDITIONS CONT.

WALTER L. PHILLIPS INCORPORATED ESTABLISHED 1945

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**ARLINGTON, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
1212 SOUTH IRVING STREET
LOT 41-B AND PARCEL 10, C.B. MUNSON'S 2ND ADDITION TO ARLINGTON
GRADING PLAN
ARLINGTON COUNTY, VIRGINIA**

SCALE: 1" = 10' DRAWN DL CHECKED KW
SUBMITTED DATE REVISION FOR PERMIT: 05/21/2021
APPROVED DATE
DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-1204**