















DO NOT COVER THE TOP OF THE ROOT BALL NITH SOIL. PLANT 1/8 OF ROOTBALL ABOVE FINAL GRADE. 1. SEE PLANTING SPECIFICATIONS FOR PREPARATION OF PLANTING BED. 2. DO NOT HEAVILY PRINE THE SHRUB AT PLANTING PRINE ONLY BROKEN, DAMAGED, OR DIseased BRANCHES. - 2 TO 3 INCHES OF MULCH, DO NOT PLACE MULCH IN CONTACT WITH SHRUB TRUNK OR BRANCHES. 3. DIS PLANTINS PIT 12" NIDER THAN THE DIAMETER OF THE TOP OF THE ROOT BALL WITH A MINIMUM PLANTINS PIT DIAMETER OF 18" TAMP SOIL AROUND BALL BASE FIRMLY NITH FOOT PRESSURE SO THE ROOT BALL DOES NOT SHIFT 4. FOR B4B SHRUBS: REHOVE ALL THINE, ROPE, AND BURLAP FROM TOP OF ROOT BALL. SCARIFY ROOT BALL TO A DEPTH OF 3/4" ON ALL SIDES OR BUTTERFLY OUT CONTAINER PLANTS. 5. ALL CONTAINERS SHALL BE REMOVED PLACE ROOT BALL ON UNEXCAVATED OR COMPACTED SOIL

SHRUB BED PLANTING DETAIL - B&B AND CONTAINER SHRUBS

NOTE: ALL TREES SHALL BE PLANTED A MINIMUM OF 8' FROM THE EDGE OF THE TRAIL

SEE SWM LANDSCAPE PLANS FOR SWM LANDSCAPE SCHEDULES.

NOT TO SCALE

NOTE: ALL PLANTINGS SHALL BE INSTALLED AND MULCHED/STABILIZED IN THE SAME WORKING DAY.

		PLANT LIS	ST		
SYMBOL	QTY.	SCIENTIFIC/ COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREES					A State of
AF	22	ACER X FREEMANII "AUTUMN BLAZE" AUTUMN BLAZE MAPLE	2.5-3" CAL.	B&B	MALE CULTIVAR ONLY
FG	24	FAGUS GRANDIFOLIA AMERICAN BEECH	2.5-3" CAL.	B&B	MULTI STEM
QB	31	QUERCUS BOREALIS NORTHERN RED OAK	2.5-3" CAL	B&B	MALE CULTIVAR ONLY
PA	26	PLANTANUS OCCIDENTALIS AMERICAN SYCAMORE	2.5-3" CAL.	B&B	PLANT AS SHOWN
QA	26	QUERCUS ALBA WHITE OAK	2.5-3" CAL.	B&B	PLANT AS SHOWN
QP	29	QUERCUS PHELLOS WILLOW OAK	2.5-3" CAL.	B&B	PLANT AS SHOWN
EVERGREEN T	REES				
10	57	ILEX OPACA "JERSEY KNIGHT" JERSEY KNIGHT AMERICAN HOLLY	1.5-1.75" CAL.	CONT.	MALE CULTIVAR ONLY
PS	57	PINUS STROBUS WHITE PINE	8-10' HT.	B&B	PLANT AS SHOWN
PR	61	ABIES CONCOLOR 'CANDICANS' CANDICANS WHITE FIR	8-10' HT.	B&B	PLANT AS SHOWN
FLOWERING TR	REES				
LA *	4	LAGERSTROEMIA X "TUSCARORA" TUSCARORA CRAPEMYRTLE	8-10° HT.	TRANSPLANT	MULTI STEM
SHRUBS					
CA	15	CORNUS AMOMUM SILKY DOGWOOD	24-30"	CONT.	PLANT AS SHOWN
IV **	21	ILEX VERTICILLATA WINTERBERRY	24-30"	CONT.	PLANT AS SHOWN
α	21	CLETHRA ALNIFOLIA SWEET PEPPERBUSH	24-30"	CONT.	PLANT AS SHOWN

- EXISTING CRAPEMYRTLES TO BE TRANSPLANTED PRIOR TO TRAIL CONSTRUCTION
- ** NOTE: CONTRACTOR TO PLANT 1 MALE WINTERBERRY PER EVERY 6 WINTERBERRIES, AND ENSURE THAT 1 MALE WINTERBERRY IS LOCATED IN EVERY CONTRACTOR OF BLANTINGS.

PLANTING SPECIFICATIONS

1. PLANTS, RELATED MATERIAL, AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION, AS GIVEN ON THE PLANS AND AS DESCRIPED HEREN. WHERE DECKERANCES DUST BETWEEN STANDARDS & QUIDELINES REFERENCED WITHIN THESE SPECIFICATIONS AND THE ANNE ARRANGEL COUNTY SPECIFICATIONS, THE LATTER TAXES PROCEDENCE.

2. ALL PAUT MATERIA, GREES STEPRING SECTED, THAT IS NOT RECEIVE FORMS, UNIFORM FORMOUT, DOES NOT HAVE, A MODROUS ROOT SYSTEM, AND DOES NOT COMMON TO THE MOST EXPORT DETAIL OF RECEIVED A MADERAL PROCESSING OF MOSECONFOLD (AND SYMMOSOS MILL OF RECEIVED, PLANT MATERIA, THAT IS NOT FEATURE, MOSROUS, FREE FIRM DETECT, ECCAL DESTROBERS FORMS: OR RECEIVED A PLANT MATERIAL PROCESSING FOR THE PROCESSING FORMS OF MOST AND ADMINISTRATION OF MOST AND ADMINISTRATION OF MOST AND ADMINISTRATION OF MOST ADMINISTRATI

3. UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATIONS SHALL CONFORM TO THE MOST RECENT EDITION OF THE "LANDSCAPE SPECIFICATION GUIDELINES BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD, D, & W.", EMERINATER "LANDSCAPE CONTRACTORS ASSOCIATION OF MD, D, & W.", EMERINATER "LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS."

4. CONTRACTOR SHALL QUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION ON THE LANGSCAPE QUIDELINES. COMPACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS FOUND WITHIN THE ONE YEAR SPECIFICATIONS ACLUSIONE WATERION AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL RELEVANT AND APPROPRIATE LITHLITY COMPANIES LITHLITY COMPANIES LITHLITY AND "MISS LITHLITY" A MANNAM OF 48 HOURS PROOF TO THE BEGINNING OF ANY WORK. CONTRICTOR MAY MAKE WHITE A CONSTRUCT SHOWN AND LOCATION OF PUNIT MATERIA. TO AVIOU CONFLICTS WITH UTILITIES. MAJOR CHANGES WILL REQUIRE THE APPROVAL OF THE LANDSCAPE ARCHITECT. DAMAGE TO EXISTING STRUCTURE AND UTILITIES SHALL BE REPARRED AT THE EXPRESSES OF THE CONTRICTOR.

6. CONTRACTOR TO REGRADE, FINE GRADE, HYDROSEED OR SOD, AND STRAW MULCH ALL AREAS DISTURBED BY THEIR WORK.

7. PLANT QUANTITIES ARE PROVIDED FOR THE CONVENENCE OF THE CONTRACTOR ONLY. IF DISCREPANCES EXIST BETWEEN QUANTITIES SHOWN ON PLAN AND THOSE SHOWN ON THE PLANT ILIST, THE QUANTITIES ON THE PLANT TWICE PROCEDENCE. WHERE DISCREPANCES ON THE PLAN EXIST BETWEEN THE SYMBOLS AND THE POLLUCIF LEGISLER, THE MURBER'S OF SYMBOLS TAKE PROCEDENCE.

8. PLANTING MIX: FOR TREES NOT IN A PREPARED BED, MIX 50% COMPRO OR LEAFGRO WITH 50% SOIL FROM TREE HOLE TO USE AS BACKFILL, SEE TREE

9. WED & INSECT CONTROL: INCORPORATE A PRE-EMERGENT HERBICDE INTO THE PLANTING BED FOLLOWING RECOMMENDED RATES ON THE LABEL. FOR TREE PLANTING, APPLY A PRE-EMERGENT ON TO PC 500L AND ROOT BALL BEFORE MUCHING. MAINTAIN THE MUCH WED-PREE FOR THE EXTENT OF THE WARRANTY PERIOD. UNDER NO GROUNSTANCES IS A PESTIONE CONTAINING EXCEPPIETS TO BE USED AS A MEMOR FEST CONTROL.

10. WATER: ALL PLANT MATERIAL PLANTED SHALL BE WATERED THOROUGHLY THE DAY OF PLANTING. ALL PLANT MATERIAL NOT YET PLANTED SHALL BE PROPERLY PROTECTED FROM DRYING OUT UNTIL PLANTED. AT A MINIAUM, WATER UNPLANTED PLANT MATERIAL DAILY AND AS NECESSARY TO AVIOD

11. PRUNING: DO NOT HEAVILY PRUNE TREES AND SHRUBS AT PLANTING. PRUNE ONLY BROKEN, DEAD, OR DISEASED BRANCHES.

12. NO SUBSTITUTIONS OR RELOCATION OF PLANTS MAY BE MADE WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF RECREATION AND PARKS AND THE DEPARTMENT OF PUBLIC WORKS OF ANNE ARANDEL COUNTY.

13. CONTRACTOR SHALL ENSURE THAT ANY WATERING TRUCKS OR OTHER EQUIPMENT USED IN PLANTING AND MAINTENANCE OF PLANT MATERIAL IS SIZED APPROPRIATELY SO AS NOT TO DAMAGE TRAIL.

CRITICAL AREA PLANTING TABULATIONS:

TREES TO BE REMOVED WITHIN THE CRITICAL AREA: 20 TREES (2,234 SF OF TREE CANOPY)

TREES TO BE REPLANTED WITHIN THE CRITICAL AREA: 8 TREES AND 24 SHRUBS (1 TREE AND 3 SHRUBS/300 SF OF CANOPY --> 2,400 SF OF CANOPY/300 SF = 8 TREES AND 24 SHRUBS)

MECHANICAL TREE TRANSPLANTING SPECIFICATIONS

General Linkers thereise specified, all general conditions, planting operations, details and planting specifications shall conform to the most recent edition of the *Landscape Contractors Association of MD, DC, & W. *(hereinofiter *Landscape contractors Association of MD, DC, & W. *(hereinofiter *Landscape contractors Association of MD, DC, & W. *). Suidelines") approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the America Society of Landscape Architects. Transplanting shall be in conformance with American Standards for Nursery Stock.

- 2. Contractor shall contact Miss Utility 72 hours prior to any digging operations.
- Tree Relocation shall be conducted by a licensed landscape contractor with experience in using tree spade equipment. Trees shall be transplanted, and tree pits shall be dug with Vermeer-type tree spade or tree mover or equivalent approved mechanized equipment.
- 4. the size of the tree spade should generally correspond to the size and type of tree to be moved, as noted in the chart below

TREE SPADE SIZE	DECIDUOUS TREE TRUNK DIAMETER*	EVERGREEN TREE HEIGHT
44 IN.	2-3 IN.	5-7 FEET
66 IN.	3-5 IN.	7-10 FEET
92 IN.	6-8 IN.	12-15 FEET

5. The dates for moving trees shall be as follows:
5. The dates for moving trees shall be transplanted in early spring before leaf out, or in fall, after issues have turned color. b.Evergreen trees shall not be moved in spring during farts flath and or growth, or during late fall.

- 6. In no case shall trees with taproots be transplanted with a tree spade or by any other means.
- 7. Where possible, match soil types between existing and proposed tree locations.

2. Protect trunks and branches from breaks and bruises during moving operation.

<u>Planting</u>.

1. Althan new hole for tree is created by tree spade and soil is removed from hole, the sides of the hole shall be scarified with a heavy steel rake prior to installation of new tree in order to break up glazing on sides of hole.

- 2. Tree shall be set slightly higher than existing ground in new location.
- 3. If tree is located in a windy location, staking may be provided. Follow standard staking details.
- 4. Do not build a soil saucer around transplanted trees,

6.Mulch with double shredded hardwood bark mulch 3-4" thick extending 18" past edge of hole. Keep mulch 12" away from trunk.

Use the excavated material from the new hole to backfill the hole from which the tree was removed. Under no circumstances shall unfilled holes be left on site.

<u>Core for transplanted trees</u>

1.free shall be watered so that the top 2-4" of soil immediately around the tree and in the existing ground surrounding the tree remain mosts, but not solutured during the growing season. Trees shall be checked weekly during the growing season. The soil shall be most enough to form a ball when squeezed in the hand.

- 2. Limit pruning to dead, broken, or damaged branches. Remove dead, broken, or damaged branches with a clean cut. No other pruning
- 3. No fertilizing is required until tree has recovered from transplanting, usually several years after the date of transplanting.

Sources: McKiel, Ian, Erin McManus, and Mary McDonald. Moving and Transplanting Trees with a Tree Spade. University of Minnesota Department of Horticultural Sciences Ball, John, and David F. Graper,

Planting a Tree With A Tree Moving Machine. South Dakota State University Horticulture, Forestry, Landscape, and Parks Department USDA Georgia Department of Transportation

DWG NO: DD17G DNAL CERTIFICATION: I, PETER J. STONE, RLA. CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY OR APPROVED BY WE AND THAT I AM A DULY ANNE ARUNDEL COUNTY ICENSED LANDSCAPE ARCHITECT. UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE # 3068 EXPIRATION DATE 10/10/2022 DEPARTMENT OF PUBLIC WORKS 97194 APPROVED DATE Pennoni⁾ Mulujus 4/15/24 LANDSCAPE NOTES AND DETAILS Polywelf PAGE ENGINEER DRAWN BY: PAI 5/421 BOJECT MANAGER CHECKED BY: PJS/JAR BROADNECK TRAIL - PHASE III APPROVAL CONSTRUCTION DOCUMENTS
TAX MAP 32, 39, AND 40
ARNOLD, MD ZIP CODE 21012 3RD DISTRICT
ANNE ARUNDED, COUNTY, MD SHEET 126 of 137 PENNONI ASSOCIATES INC. ROVED DATE SHEET 126 of 13

PROJECT #: P504100 2.30.21 1/21/21 CHIEF, RIGHT OF WAY SERVICES