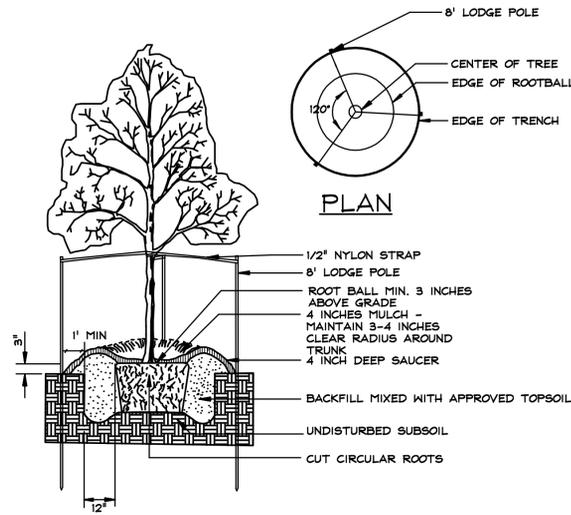


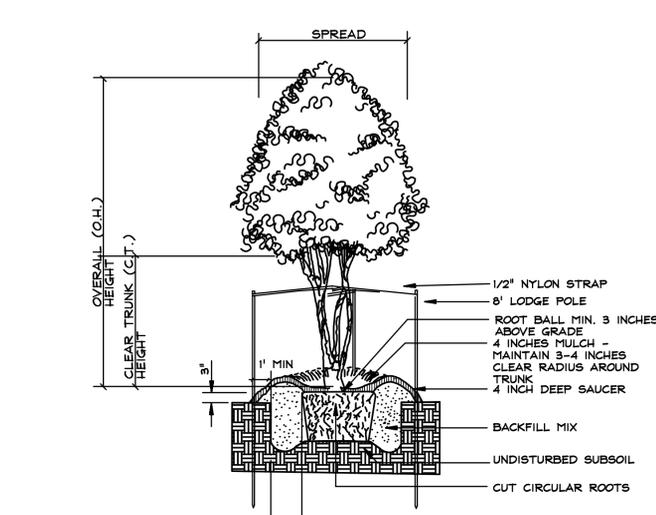
LANDSCAPE NOTES:

- The Landscape Contractor shall be responsible for all materials and all work as called for on the Landscape Plans and in the Landscape Specifications. In the event of variation between quantities shown on plans and the plans, the plans shall control. The Landscape Contractor shall verify all quantities and report any discrepancies at the time of bidding.
- The Landscape Contractor shall review architectural/engineering plans and become thoroughly familiar with surface and subsurface utilities.
- Every possible safeguard shall be taken to protect building surfaces, equipment and furnishings. The Landscape Contractor shall be responsible for any damage or injury to person or property which may occur as a result of negligence in the execution of the work.
- The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to assure availability and proper location of irrigation items and plants.
- All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.
- Furnish standard nursery-grown trees, shrubs and groundcover complying with ANSI Z60.1-2004 American Standards for Nursery Stock.
- The Landscape Architect or Owner shall have the right, at any stage of the operations, to reject any and all work and materials which, in his opinion, do not meet with the requirements of these specifications.
- Except as otherwise specified, the Landscape Contractor's work shall conform to accepted horticultural practices as used in the trade.
- The minimum acceptable size of all plants, measured after pruning, with branches in normal positions, shall conform to the measurements specified on the plant list or as indicated on the landscape drawing. Height and spread dimensions refer to main body of the plant and not extreme branch tip to tip. The caliper of tree trunks is to be taken one foot above the ground level.
- Plants shall be protected upon arrival at the site, by being thoroughly watered and properly maintained until planted.
- All tree pits shall be excavated to size and depth in accordance with the USDA Standard for Nursery Stock 260.1, unless shown otherwise on the drawings, and backfilled with the specified planting soil. The Landscape Contractor shall test fill all tree pits with water before planting to assure proper drainage percolation is available.
- The Landscape Contractor shall be responsible for proper watering of all plants. All plants shall be thoroughly watered at time of planting and kept adequately watered until time of acceptance. It shall be the Landscape Contractor's responsibility to assure that plants are not over watered.
- It shall be the Landscape Contractor's responsibility to prevent plants from falling or being blown over, to restrain and replant all plants which lean or fall and to replace all plants which are damaged due to lack of proper guying or staking. The Landscape Contractor shall be legally liable for any damage caused by instability of any plant material.
- All trees shall be guyed or staked or braced. The Landscape Contractor shall determine which small or multi-trunk trees need to be guyed and staked to maintain plumb. Staking of trees and shrubs, if required, shall be done as per staking and guying detail prepared by the Landscape Architect. It shall be the responsibility of the Landscape Contractor to remove guys and stakes from the trees and job site after a period of 90 days.
- Plants blown over by high winds, within the guaranteed period, shall not be cause for additional expense to the Owner, but shall be the responsibility of the Landscape Contractor. Damaged plants shall be replaced by the Landscape Contractor at no additional cost to the Owner.
- The Landscape Contractor shall insure adequate vertical drainage in all plant beds, planters, and sod areas. Vertical drilling through any compacted fill to native soil shall be accomplished to insure drainage. If well drained fill is necessary to assure positive drainage, this issue shall be brought up by the Landscape Contractor at time of bidding.
- The Landscape Contractor shall insure that his work does not interrupt established or projected drainage patterns.
- The Landscape Contractor shall prune, shape and remove dead foliage/limbs from existing plant material to remain. Confirm with the Landscape Architect or Owner the extent of work required at time of bidding.
- Mulch - All plant beds shall be top dressed with 4" shredded hardwood mulch (or approved equal).
- Transplanted Material - The Landscape Contractor shall be responsible for determining and evaluating which plant materials are suitable for transplanting and shall verify this with the Landscape Architect or Owner. The Landscape Contractor shall take all reasonable, horticulturally acceptable measures to assure the successful transplanting of determined plant materials. The Landscape Contractor shall be responsible for replacing any relocated plant materials which die if such measures are not taken, as determined by the Landscape Architect or Owner. Replacement plants shall be of identical species and size if required.
- MAINTENANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE:
Maintenance shall commence after each plant is planted and the maintenance period shall continue until the job or specific phase of the job is accepted by the Landscape Architect or Owner. Extreme care shall be taken to instruct the Owner or his representatives in general maintenance procedures.
Plant maintenance shall include watering, pruning, weeding, cultivating, mulching, tightening, and repairing of guys, replacement of sick or dead plants, resetting plants to proper grades or upright positions and restoration of the planting saucer and all other care needed for proper growth of the plants.
During the maintenance period and up to the date of final acceptance, the Landscape Contractor shall do all seasonal spraying and/or dusting of trees and shrubs. Upon completion of all planting, an inspection for acceptance of work will be held. The Landscape Contractor shall notify the Landscape Architect or Owner for scheduling of the inspection 10 days prior to the anticipated date.
At the time of the inspection, if all of the materials are acceptable, a written notice will be given by the Landscape Architect or Owner to the Landscape Contractor Stating the date when the Maintenance Period ends.
GUARANTEE AND REPLACEMENT:
All plant materials shall be guaranteed for one (1) year from the time of final inspection and interim acceptance shall be alive and in satisfactory growth for each specific kind of plant at the end of the guaranteed period.
At the end of the guarantee period, any plant required under this contract that is dead or not in satisfactory growth, as determined by the Owner or the Landscape Architect, shall be removed and replaced. Replacement plants shall have an extended guarantee, as noted above, from time of replacement.
All replacements shall be planted of the same kind and size as specified on the plant list. They shall be the responsibility of the Landscape Contractor.



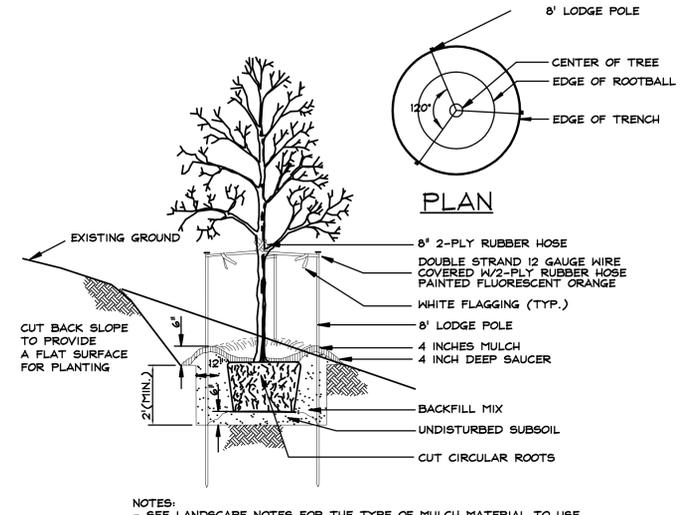
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

CONTAINER TREE PLANTING DETAIL



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

MULTI-TRUNK CONTAINER TREE PLANTING DETAIL



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE. MAINTAIN 3-4 INCHES CLEAR RADIUS AROUND TRUNK.

CONTAINER TREE PLANTING ON SLOPE

PLANT LIST

SYM.	COMMON NAME	BOTANICAL NAME	DESCRIPTION	QTY
TREES				
GB	GINKO	GINKO BILOBA 'AUTUMN GOLD'	4" CAL., 16' MIN. HT., 8' SPRD.	1
MGL	LITTLE GEM MAGNOLIA	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	2" CAL., 8' MIN. HT., 4' SPRD.	6
GT	SKYLINE HONEY LOCUST	GLEDITSIA TRIACANTHOS 'SKYLINE'	4" CAL., 16' MIN. HT., 8' SPRD.	10
BP	PAPER BIRCH	BETULA Papyrifera	3" CAL., 10' MIN. HT., 4' SPRD., MULTI-STEM	3
MS	SAUCER MAGNOLIA	MAGNOLIA x SOULANGIANA 'VERBANICA'	3" CAL., 10' MIN. HT., 5' SPRD.	3
NS	BLACK GUM	NYSSA SYLVATICA	3" CAL., 10' MIN. HT., 5' SPRD.	4
LID	DYNAMITE GRAPE MYRTLE	LAGERSTROEMIA INDICA 'DYNAMITE'	2" CAL., 8' MIN. HT., 4' SPRD., MULTI-STEM	9
LIB	BILOXI GRAPE MYRTLE	LAGERSTROEMIA INDICA 'BILOXI'	2" CAL., 8' MIN. HT., 4' SPRD.	5
AC	HEDGE MAPLE	ACER CAMPESTRE	3" CAL., 10' MIN. HT., 5' SPRD.	2
PC	PURPLE LEAF SAND CHERRY	PRUNUS CISTENA 'BIG CIS'	2" CAL., 8' MIN. HT., 4' SPRD.	8
QR	RED OAK	QUERCUS RUBRA	4" CAL., 16' MIN. HT., 8' SPRD.	2
IO	CROONENBURG HOLLY	ILEX OPACA 'CROONENBURG'	2.5" CAL., 10' MIN. HT., 4' SPRD.	18
SHRUBS				
GF	DANGLEBERRY	GAYLUSSACIA FRONDOSA	3 GAL., FULL, 3' O.C. STAGGERED	18
IV	VIRGINIA SWEETSPICE	ITEA VIRGINICA	3 GAL., FULL, 3' O.C. STAGGERED	5
KL	MOUNTAIN LAUREL	KALMIA LATIFOLIA	3 GAL., FULL, 3' O.C. STAGGERED	29
MP	NORTHERN BAYBERRY	MYRICA PENNSYLVANICA	3 GAL., FULL, 3' O.C. STAGGERED	35
RP	PINKETBLOOM AZALEA	RHODODENDRON PERICLYMENOIDES	3 GAL., FULL, 3' O.C. STAGGERED	6
VA	MAPLE LEAVED ARROWOOD	VIBURNUMACERIFOLIUM	3 GAL., FULL, 3' O.C. STAGGERED	14
CA	SUMMERSWEET	CLETHRA ALNIFOLIA	1 GAL., FULL, 18" O.C., STAGGERED	20
GROUNDCOVER				
CAA	AMERICAN BEAUTYBERRY	CALLICARPA AMERICANA	3 GAL., FULL, 3' O.C., STAGGERED	56
CHV	GREEN AND GOLD KNEE	CHRYSOGONUM VIRGINIANUM	1 GAL., FULL, 18" O.C., STAGGERED	144
CV	THREADLEAF COREOPSIS	COREOPSIS VERTICILLATA	4" POTS, FULL, 18" O.C., STAGGERED	739
HD	ST. JOHNS WORT	HYPERICUM DENISFLORUM	3 GAL., FULL, 3' O.C., STAGGERED	21
HR	HAPPY RETURNS DAYLILY	HEMEROCALLIS 'HAPPY RETURNS'	1 GAL., FULL, 24" O.C. STAGGERED	366
KA	SHEEPS LAUREL	KALMIA ANGUSTIFOLIA	1 GAL., FULL, 36" O.C., STAGGERED	120
LC	CARDINAL FLOWER	LOBELIA CARDINALIS	1 GAL., FULL, 18" O.C., STAGGERED	64
LOS	GREAT BLUE LOBELIA	LOBELIA SIPHILITICA	4" POTS, 18" O.C. STAGGERED	64
LS	BLAZING STAR	LIATRIS SCARIOSA	1 GAL., 3 PPP 18" O.C. STAGGERED	288
MB	WILD HORSEMINT	MONARDA BRADBURIANA	1 GAL., FULL, 24" O.C., STAGGERED	108
MD	BEEBALM	MONARDA DIDYMA	1 GAL., FULL, 18" O.C., STAGGERED	40
OR	ROYAL FERN	OSMUNDO REGALIS	1 GAL., FULL, 18" O.C., STAGGERED	50
OS	SENSITIVE FERN	ONOCLEA SENSIBILIS	1 GAL., FULL, 24" O.C. STAGGERED	78
PC	THICK LEAVED PHLOX	PHLOX CAROLINA	4" POTS FULL, 18" O.C., STAGGERED	290
PS	MOSS PHLOX	PHLOX SUBULATA	1 GAL., FULL, 18" O.C. STAGGERED	180
PT	MOUNTAIN MINT	PHYCANTHEMUM TENUIFOLIUM	4" POTS, 18" O.C. STAGGERED	76
RA	COAST AZALEA	RHODODENDRON ATLANTICUM	3 GAL., FULL, 36" O.C., STAGGERED	216
RF	ORANGE CONEFLOWER	RUDBECKIA FULGIDA	1 GAL., FULL, 18" O.C., STAGGERED	193
RH	BLACK EYE SUSAN	RUDBECKIA HIRTA	1 GAL., FULL, 24" O.C. STAGGERED	22
SE	WHITE ASTER	SYMPHYOTRICHUM ERICOIDES VAR. ERICOIDES	4" POTS, FULL, 18" O.C. STAGGERED	67
VD	SOUTHERN ARROWOOD	VIBURNUM DENTATUM	3 GAL., FULL, 3' O.C. STAGGERED	33
MULCH				
COBBLESTONE				
RAIN GARDEN MIX SEED MIX				
MEADOW MIX SEED MIX				

NOTE:
PLANT DESCRIPTIONS ARE FOR MINIMUM ACCEPTABLE SPECIFICATIONS. ALL CRITERIA LISTED FOR CONTAINER SIZE, CALIPER, HEIGHT, SPREAD, ETC. MUST BE MET FOR PLANT MATERIAL ACCEPTANCE. FOR EXAMPLE, IF A THREE GALLON SHRUB DOES NOT MEET THE HEIGHT OR SPREAD SPECIFICATION, IT WILL NOT BE ACCEPTED.
IF SPECIFIED PLANTS ARE UNAVAILABLE AT TIME OF CONSTRUCTION, CONTRACTOR MAY REPLACE SPECIFIED PLANTS WITH PLANTS APPROVED BY LANDSCAPE ARCHITECT AND CITY STAFF.
ALL OPEN SPACE AREAS WITHIN THE PROPERTY SHALL BE SEEDED, AND MULCHED OR PLANTED WITH SHRUBS AND GROUNDCOVER.
SEED ALL TURF AREAS WITH:
SEEDLAND - BLUEMIX (FULL SUN)
50% POA PRATENSIS KENTUCKY BLUEGRASS
40% LOLIUM PERENNE MORNING STAR MORNING STAR PERENNIAL RYEGRASS
10% FESTUCA RUBRA SPP. RUBRA CREEPING RED FESCUE
SEEDING RATE AT 5 POUNDS SEED MIX PER 1000 SF. FOR BOTH MIXES

Rain Garden Seed Mix

ERNMX #ERNMX-180
Seeding Rate: 20 lbs/acre with 30 lbs/acre grain rye as a cover crop.
Mix Type: Upland & Meadow Sites Rain Garden
Species List:
26% River Oats, PA/VA Ecotype blend (Chaemanthium latifolium (Uniola latifolia), PA/VA Ecotype blend)
20% Redtop Panicgrass, Coastal Plain NC Ecotype (Panicum rigidulum (P. stipitatum), Coastal Plain NC Ecotype)
17% Virginia Wildrye, PA Ecotype (Elymus virginicus, PA Ecotype)
5% Blunt Broom Sedge, PA Ecotype (Carex acarparia, PA Ecotype)
5% Purple Coneflower (Echinacea purpurea)
5% Tall White Beardtongue (Penstemon digitalis)
3% Zigzag Aster, PA Ecotype (Aster prenanthoides (Symphyotrichum p.), PA Ecotype)
3% Blackeyed Susan, Coastal Plain NC Ecotype (Rudbeckia hirta, Coastal Plain NC Ecotype)
3% Ohio Spiderwort, PA Ecotype (Tradescantia ohioensis, PA Ecotype)
2% Lanceleaf Coreopsis, Coastal Plain NC Ecotype (Coreopsis lanceolata, Coastal Plain NC Ecotype)
2% Marsh (Dense) Blazing Star (Spiked Gayfeather), PA Ecotype (Liatris spicata, PA Ecotype)
2% Autumn Bentgrass, PA Ecotype (Agrostis perennans, PA Ecotype)
1% Blue False Indigo, Southern WV Ecotype (Baptisia australis, Southern WV Ecotype)
1% Oxeeye Sunflower, PA Ecotype (Helipopsis helianthoides, PA Ecotype)
1% Swamp Milkweed, PA Ecotype (Asclepias incarnata, PA Ecotype)
1% Wild Bergamot, PA Ecotype (Monarda fistulosa, PA Ecotype)
1% Orange Coneflower, Northern VA Ecotype (Rudbeckia fulgida var. fulgida, Northern VA Ecotype)
1% Wild Senna, VA & WV Ecotype (Senna hebecarpa (Cassia h.), VA & WV Ecotype)
1% Early Goldenrod, PA Ecotype (Solidago juncea, PA Ecotype)
Total: 100%

Meadow Seed Mix

ERNMX #ERNMX-156
Seeding Rate: 20-40 lbs/acre
Mix Type: Upland & Meadow Sites
Species List:
54% Sheep Fescue, 'Whisper' (Festuca ovina, 'Whisper')
17% Annual Ryegrass (Lolium multiflorum (L. perenne var. italicum))
6% Oxeeye Daisy (Chrysanthemum leucanthemum)
6% Perennial Blue Flax (Linum perenne ssp. lewisii)
2% Plains Coreopsis (Coreopsis tinctoria)
2% Blue Chicory (Cichorium intybus)
2% Lanceleaf Coreopsis, Coastal Plain NC Ecotype (Coreopsis lanceolata, Coastal Plain NC Ecotype)
2% Blackeyed Susan, Coastal Plain NC Ecotype (Rudbeckia hirta, Coastal Plain NC Ecotype)
1% Common Yarrow (Achillea millefolium)
1% Partridge Pea, PA Ecotype (Chamaecrista fasciculata (Cassia f.), PA Ecotype)
1% Corn Poppy/Shirley Mix (Papaver rhoeas, Shirley Mix)
0.5% Spotted Beebalm, Coastal Plain SC Ecotype (Monarda punctata, Coastal Plain SC Ecotype)
0.5% Mistflower, VA Ecotype (Eupatorium coelestinum (Conoclinium c.), VA Ecotype)
Total: 100% Prices are subject to change without notice. Please call (800) 873-3321 for current pricing.

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