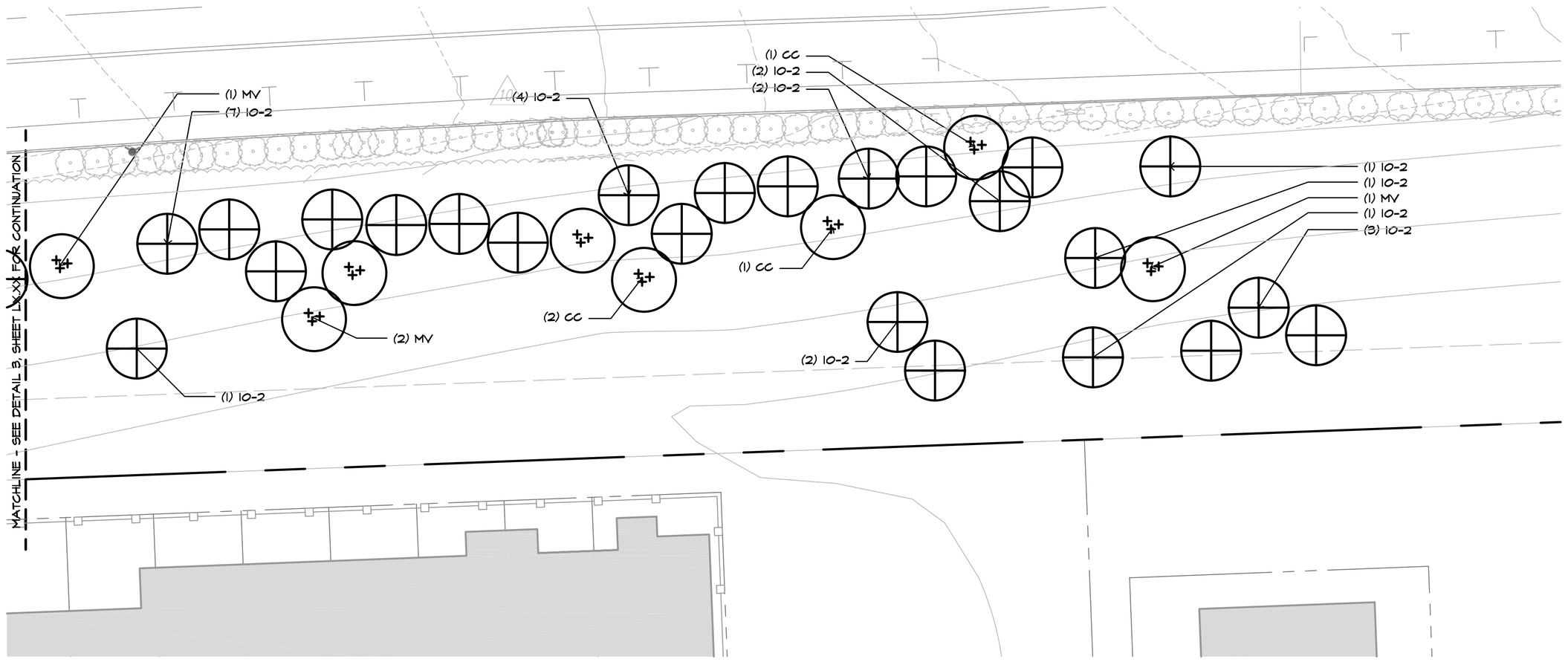


1 RING ROAD PLANTING
SCALE: 1" = 20'

PLANTING NOTES

"GUIDELINES FOR BALTIMORE WASHINGTON METROPOLITAN AREAS" PREPARED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON (LCAMW) AND THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, (301) 424-7970.

1. ALL WORK SPECIFIED HEREIN SHALL BE PERFORMED BY A QUALIFIED PERSONNEL EXPERIENCED IN THIS TYPE OF WORK. PREFERABLY THE CONTRACTOR SHALL BE A MEMBER OF ONE OF THE FOLLOWING ORGANIZATIONS:
   LANDSCAPE CONTRACTORS ASSOCIATION
   AMERICAN NURSERY AND LANDSCAPE ASSOCIATION

2. CONTRACTOR MUST VERIFY THE CORRECT LOCATION OF ANY EXISTING UTILITIES WHICH ARE UNDERGROUND, PRIOR TO PLANT INSTALLATION. THE CONTRACTOR SHALL CALL MISS UTILITY, (800) 257-7777, A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.

3. IF A PLANT LIST IS PROVIDED, IT IS FOR CONVENIENCE ONLY. ALL QUANTITIES SHALL BE VERIFIED ON THE PLAN. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.

4. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 72 HOURS (MINIMUM) PRIOR TO THE EXPECTED ARRIVAL OF NURSERY STOCK ON-SITE. ALL PLANT SHIPMENTS SHALL BE ACCOMPANIED BY AN INVOICE, FURNISHED TO THE LANDSCAPE ARCHITECT, GIVING DETAILED DESCRIPTION OF THE PLANT MATERIALS AND THE DATE OF SHIPMENT.

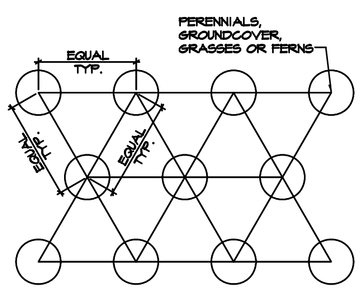
5. DURING THE COURSE OF PLANTING, EXCESS AND WASTE MATERIAL SHALL BE CONTINUOUSLY AND PROMPTLY REMOVED FROM THE SITE, THE TURF AREAS KEPT CLEAR, AND ALL REASONABLE PRECAUTIONS TAKEN TO AVOID DAMAGE TO EXISTING STRUCTURES, PLANTS, AND GRASS. WHEN PLANTING IN AN AREA HAS BEEN COMPLETED, CLEANED UP AND REMOVED FROM THE PROJECT SITE, EXISTING TURF AREAS WHICH HAVE BEEN INJURED BY THE AREA SHALL BE THOROUGHLY CLEANED. ALL DEBRIS, RUBBISH, SUBSOIL, AND WASTE MATERIALS SHALL BE REGRADED AND SEEDED OR SODDED, AND THE ENTIRE AREA, WHEN COMPLETED, SHALL BE NEAT AND CLEAN TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

MATERIAL SPECIFICATIONS

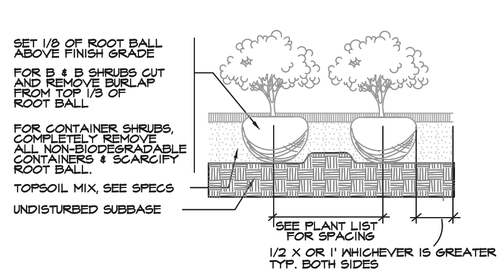
1. TOPSOIL
   a. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS.
   b. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY DPS. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS, AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 ½" IN DIAMETER.
   c. TOPSOIL SHALL BE TESTED AND AMENDED PER SOIL TEST RECOMMENDATIONS
2. ORGANIC COMPOST SHALL BE LEAFGRO AS PROVIDED BY COLONY SUPPLY, INC. 21300 RIVER ROAD, POOLESVILLE, MD 20837 TEL. (301) 972-7666, OR APPROVED EQUAL.
3. SHREDDED HARDWOOD MULCH SHALL BE DOUBLE SHREDDED AND AGED TAN BARK MIX AS PROVIDED BY HOLLINS ORGANIC PRODUCTS, INC. 6247 FALLS ROAD, BALTIMORE, MD 21209 TEL. (410) 828-0210, OR APPROVED EQUAL.
4. THE FERTILIZER SHALL BE A SLOW RELEASE TYPE CONTAINED IN A PERFORATED POLYETHYLENE BAG WITH MICROPORE HOLES FOR CONTROLLED FEEDING. EACH BAG SHALL CONTAIN FOUR OUNCES OF WATER SOLUBLE FERTILIZER ANALYSIS 16-24-12 OR APPROVED EQUIVALENT MINIMUM PER UNIT TO BE EFFECTIVE FOR APPROXIMATELY EIGHT YEARS.
5. PRE-EMERGENT HERBICIDE SHALL BE PREEN OR APPROVED EQUAL. PRE-EMERGENT HERBICIDE SHALL BE APPLIED THROUGHOUT ALL PLANTING AREAS PRIOR TO MULCHING AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

PROCEDURES SPECIFICATIONS

1. MAINTAIN ALL REQUIRED SEDIMENT AND EROSION CONTROL PRACTICES.
2. ALL PLANT MATERIALS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NO PLANTS SHALL BE PLANTED UNTIL THEY HAVE BEEN INSPECTED AS SPECIFIED. ALL SEALS AND TAGS SHALL REMAIN INTACT UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.
3. TOPSOIL PLACEMENT, PLANTING BED SOIL PREPARATION AND TREE PIT PREPARATION SHALL NOT BE DONE WHILE THE TOPSOIL, SOIL AMENDMENTS OR SUBSOILS ARE EXCESSIVELY WET, IN A FROZEN OR MUDDY CONDITION, OR, IN ANY CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
4. AREAS TO RECEIVE SEED AND MULCH OR SOD FOR THE ESTABLISHMENT OF TURF
   a. AMEND SUBSOIL AS REQUIRED. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT A RATE OF 4-8 TONS/ACRE (200-400 LBS. PER 1000 S.F.) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL.
   b. TILL EXISTING OR AMENDED SUBSOIL TO A MINIMUM DEPTH OF 6" BEFORE THE PLACEMENT OF TOPSOIL.
   c. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4"-8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
   d. SEEDING SHALL OCCUR BETWEEN MARCH 1st TO MAY 15th OR AUGUST 15th TO OCTOBER 15th. SEED SHALL BE INSTALLED IN THE TOP ¼" OF SOIL AFTER FINAL SOIL PREPARATION IS COMPLETE. INSTALL SEED IN TWO DIRECTIONS USING A DROP-TYPE SPREADER. SEED SHALL BE RAKED TO IMPROVE SEED AND SOIL CONTACT. APPLY ½" THICK LAYER OF STRAW OVER SEEDED AREAS. APPLY MULCH NETTING TO MULCHED AREAS FOR STABILIZATION.
   e. MAINTAIN ALL FINISH GRADES AS REQUIRED.
4. AREAS TO RECEIVE CONTAINER GROWN NURSERY STOCK
   a. AMEND SUBSOIL AS REQUIRED. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT A RATE OF 4-8 TONS/ACRE (200-400 LBS. PER 1000 S.F.) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL.
   b. TILL EXISTING OR AMENDED SUBSOIL WITH 4" OF TOPSOIL AND 2" OF LEAFGRO (OR APPROVED EQUAL) TO A TOTAL DEPTH OF 12".
   c. INSTALL CONTAINER GROWN NURSERY STOCK AT REQUIRED SPACING.
   d. INSTALL 1 ½" SHREDDED HARDWOOD MULCH AND MAINTAIN ALL FINISH GRADES AS REQUIRED.
5. TREE PITS
   a. EXCAVATE PITS TO THE REQUIRED DIMENSIONS. ALL TREE PITS WITHIN ESTABLISHED FOREST PROTECTION AREAS SHALL BE DUG BY HAND. ABSOLUTELY NO MECHANICAL EQUIPMENT SHALL BE USED WITHIN ANY EXISTING FOREST PROTECTION AREA.
   b. RESERVE EXISTING SOIL FOR PREPARATION OF PLANTING MIX. COMBINE ONE PART TOPSOIL, ONE PART ORGANIC COMPOST WITH TWO PARTS EXISTING SOIL AND BLEND IN BATCHES AS REQUIRED TO FACILITATE AN EFFICIENT PLANTING OPERATION.
   c. INSTALL TREES AS REQUIRED AND DO NOT COVER EXISTING SURFACE ROOTS WITH PLANTING MIX. MAINTAIN A PLUM AND VERTICAL LINE FOR ALL TREES. INSTALL GUY WIRE AND TREE SUPPORTS AS REQUIRED.
   d. INSTALL 1 ½" OF SHREDDED HARDWOOD MULCH OVER THE ENTIRE TREE PIT AREA AND MAINTAIN FINISH GRADES AS REQUIRED.
6. TREES
   a. TREES SHALL BE PRUNED AFTER INSPECTION ON THE SITE AND AS DIRECTED BY THE LANDSCAPE ARCHITECT WITH CARE BEING TAKEN TO PRESERVE THE NATURAL APPEARANCE OF THE TREE. BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. THE PRUNING SHALL BE DONE BY A SKILLED PERSONNEL IN ACCORDANCE WITH BEST HORTICULTURAL PRACTICE, APPROPRIATE TO THE TYPE OF TREE AND TO THE SPECIAL REQUIREMENTS OF THE INDIVIDUAL SHRUB OR TREE.



2 PERENNIAL, GRASSES & GROUNDCOVER DETAIL
SCALE: NTS

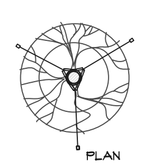


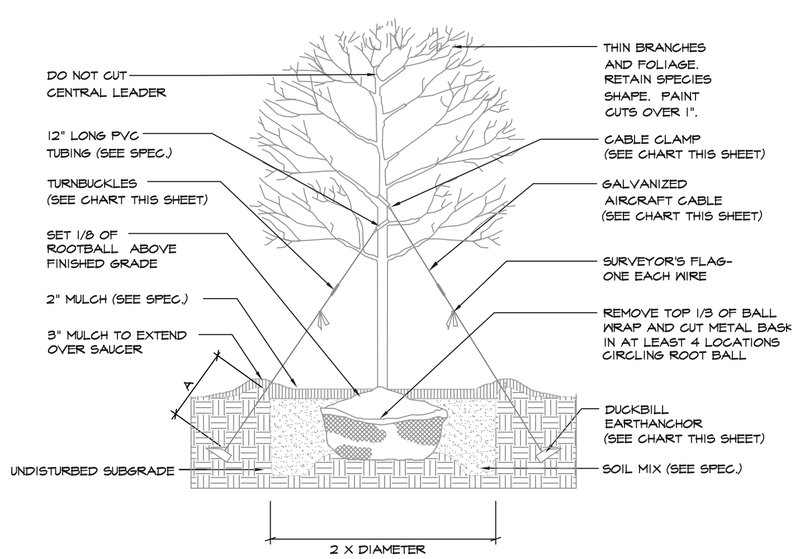
3 MASS SHRUB PLANTING DETAIL
SCALE: NTS

Duckbill Tree Guy Line Kits

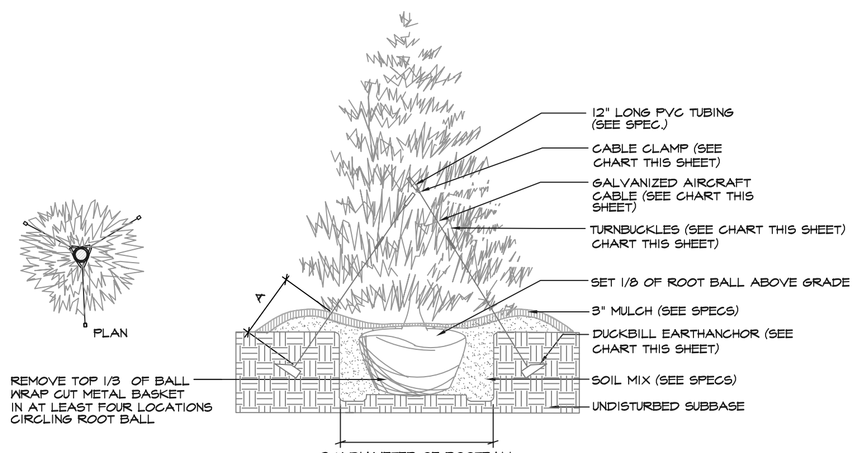
Caliper	Model	"A" Depth	Turnbuckle Size	Cable Size	Cable Clamp
Up to 3"	4G DTS	20-24"	None Required	1/16" GAC	1/16"
Up to 6"	6B DTS	28-30"	3/8" x 3"	1/8" GAC	(2) 1/8"
Up to 11"	8B DTS	40-42"	3/8" x 6"	1/4" GAC	(2) 3/16"

**See specifications for product materials and manufacturer information.





4 DECIDUOUS TREE PLANTING DETAIL
SCALE: NTS



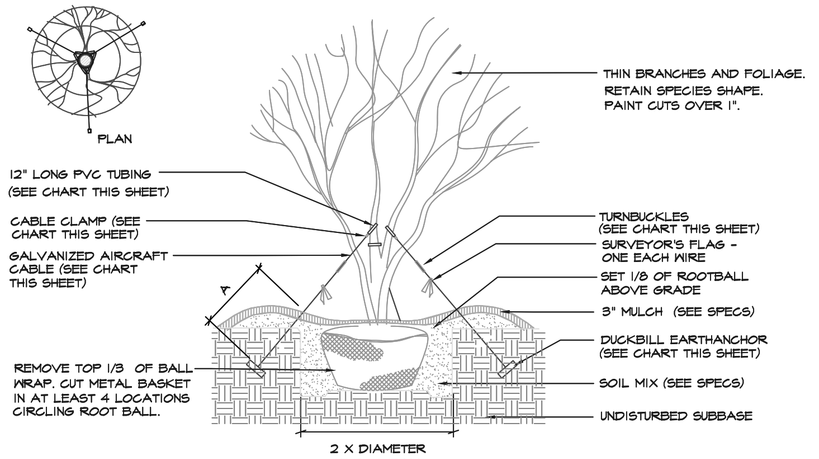
5 L1.1 EVERGREEN TREE PLANTING DETAIL W/DUCKBILLS
N.T.S.

Duckbill Tree Guy Line Kits

Caliper	Model	"A" Depth	Turnbuckle Size	Cable Size	Cable Clamp
Up to 3"	4G DTS	20-24"	None Required	1/16" GAC	1/16"
Up to 6"	6B DTS	28-30"	3/8" x 3"	1/8" GAC	(2) 1/8"
Up to 11"	8B DTS	40-42"	3/8" x 6"	1/4" GAC	(2) 3/16"

**See specifications for product materials and manufacturer information.

5 EVERGREEN TREE PLANTING DETAIL
SCALE: NTS



DUCKBILL TREE GUY LINE KITS

Caliper	Model	"A" Depth	Turnbuckle Size	Cable Size	Cable Clamp
Up to 3"	4G DTS	20-24"	None Required	1/16" GAC	1/16"
Up to 6"	6B DTS	28-30"	3/8" x 3"	1/8" GAC	(2) 1/8"
Up to 11"	8B DTS	40-42"	3/8" x 6"	1/4" GAC	(2) 3/16"

**See specifications for product materials and manufacturer information.

6 MULTI-STEM TREE PLANTING DETAIL
SCALE: NTS

LANDSCAPE ARCHITECTURE
PLANNING
MARK WILLARD & ASSOCIATES, LLC GARDEN DESIGN
2602 MERRYMANS MILL ROAD
PHOENIX, MARYLAND 21131
TEL: 410. 666. 2872 FAX: 410. 666. 2875
MWA-US.COM

ARCHITECT:
MULVANNY G2
8484 WESTPARK DRIVE, SUITE 700
McLEAN, VA 22102
TEL. (703) 564-8484
FAX. (703) 564-8400

CIVIL ENGINEER:
BOHLER ENGINEERING
16900 SCIENCE DRIVE, SUITE 104
BOWIE, MD 20715
TEL. (301) 809-4500
FAX. (301) 809-4501

MW&A, LLC DOES NOT WARRANT THE ACCURACY OF ANY DIMENSIONS SET FORTH HEREON.THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS TO INCLUDE FIELD DIMENSIONS WHERE APPLICABLE. SHOULD THERE BE ANY DISCREPANCIES WITH THIS CONSTRUCTION DRAWING PACKAGE, MW&A, LLC SHOULD BE NOTIFIED IMMEDIATELY FOR RESPONSE. IF THE CONTRACTOR ELECTS TO MAKE ANY CHANGES ON THEIR OWN WITHOUT NOTIFYING MW&A, LLC, THEY ARE RESPONSIBLE FOR SAME.

COSTCO

At Westfield Wheaton Shopping Mall

11160 Veirs Mill Road
Wheaton, MD 20902

Revisions

No.	Description	Date
1	REV. LAYOUT	12/9/09
2	Mo.Co. COMMENTS	12/12/09

Date : OCTOBER 22nd, 2012
Scale : AS NOTED
Project No. : 1003.04

Title :
SWM PLANTING PLAN

Drawing No .
L1.03

NORTH

M:\PROJECTS\2010\1003-Wheaton Costco\CAD\MWA Dwgs\1003-Special Exception Plan.dwg, Planting Plan&Notes, 12/27/2012 5:17:18 PM