

NOTES FOR CONNECTING TO EXISTING DRAINAGE STRUCTURES

- Holes for installing new pipes in existing structures shall be carefully cored, drilled, or cut in such a manner to minimize damage to the structure. Any damage to the existing structure shall be promptly repaired to the satisfactory of the County Engineer or the Structure Replaced.
- The new pipe shall be roughly centered in the hole and the pipe end set flush with the inside wall. The entire space between the pipe and the wall shall be filled with brick and mortar so as to make it watertight.

REFERENCES AND QUALITY CONTROL

- All planting material shall conform to the latest edition of the American Standard for Nursery Stock as published by the American Association of Nurserymen.
- All trees shall be balled and burlapped, nursery-grown, not "collected stock".
- All plants shall be nursery grown within a U.S.D.A. plant hardiness zone which is the same as, or colder than, the zone in which the project is located.
- Do not make substitutions. If specified material is unavailable, landscape architect requires proof of non-availability and specifications for proposed equivalent materials. Landscape architect will make final selection of substitutions.
- Spec: Provide trees and shrubs of sizes shown or specified. Trees and shrubs of larger size may be used if acceptable to the landscape architect.
- Inspection: Landscape architect reserves the right to inspect trees and shrubs before planting, either at place of growth or at site, compliance with requirements of name, variety, size and quality. Landscape architect has right to reject any plant material for any reason, including, but not limited to those listed above. All rejected plant material shall be immediately removed from the site.
- All planting to be completed by November 15th; or as directed by the landscape architect.

PRODUCTS

Mulch: Material shall be well aged, finely shredded hardwood bark, dark brown in color, or approved equal. Material shall be mulching grade; uniform in size and free of foreign matter and weed seeds.

Leaf Mold: Composted for one year. Composed of leaves from mixed hardwoods.

Seaweed Sludge: Composted wood mulch containing organic matter. Obtained from Sewer Treatment Plant.

Soil Mix: A thorough mixture of 1 part Leaf Mold to 3 parts topsoil & mycorrhizal fungi at specified rate by manufacturer.

Anti-desiccant: "Wilt-Pruf" NCF as manufactured by Nursery Specialty Products of New York or approved equal.

Pre-emergence Weed Killer: shall be Trifluralin or approved equivalent.

Trunk Guard: waxed corrugated cardboard or approved equal.

Guying Materials: Double braided rubber hose and 10 gauge metal wire.

Mycorrhizal Fung: Broadcast type product, use as an inoculant for trees, shrubs, ground covers, perennials, and turf.

MYCORRTREE
Plant Health Care Inc.
440 William Pitt Way
Pittsburgh, PA 15233
1-800-421-9051
Or equivalent.

Fertilizer:
For new plant material provide packet, tablet or pellet forms of slow release fertilizers conforming to Fed. Spec. O-F-24.1, bearing the manufacturer's guaranteed statement of analysis. Slow release fertilizers shall contain a minimum percentage by weight of five nitrogen (of which 50% will be organic), 10 available phosphoric acid and five potash.

For bed preparation and existing trees, provide granular fertilizer conforming to Fed. Spec. O-F-24.1, Type 1, Class 2 which shall bear the manufacturer's guaranteed statement of analysis. Granular fertilizer shall contain a minimum percentage by weight of 10 nitrogen (of which 50% shall be organic), 50 available phosphoric acid and four potash.

PLANTING PROCEDURES FOR TREES AND SHRUBS

- Trees and shrubs shall bear same relationship to grade as they did in the nursery row.
- Before placing shrubs in pits, place a 6" layer of soil mix material into bottom of pit and tamp.
- All trees shall be placed directly on the scarred subgrade.
- The plant pit shall be filled with soil mix material as specified and placed in 6" layers around the ball. Each layer shall be carefully tamped in place in a manner to avoid injury to the roots or ball, or disturbing the position of the plant. When approximately two-thirds (2/3) of the plant has been back-filled, the pit shall be filled with water and the soil allowed to settle around the roots. Back plants shall have all the twine, wire and burlap cut away or folded back from the top 1/3 of the ball and trunks before applying water. After the water has been absorbed, the plant hole shall be filled with soil mix and tamped lightly to grade.
- All containerized stock shall be removed from containers and the root mass should either be physically loosened or skidded to prevent strangulation.
- Failure to comply with planting procedures outlined above is basis for rejection of plant material by landscape architect.
- Trunk guard shall be removed only after inspection at site by landscape architect.

PRUNING

- Trees and shrubs shall be pruned to remove broken branches only and/or to preserve their natural character and shape. Pruning shall be restricted in general to the secondary branches and soft, sucker growth. Never cut a leader.
- ALL PLANTS DISFIGURED BY POOR PRUNING PRACTICES WILL BE REJECTED BY THE LANDSCAPE ARCHITECTS.
- All pruning cuts shall remain unpainted.

MULCHING

- All planting beds shown on the plans shall be mulched with 3" of mulch over entire area.
- Before mulch is installed, apply pre-emergence weed killer and incorporate into soil according to manufacturer's directions.
- All surfaces to receive mulch shall be raked smooth and be free of all rocks, debris and large bark pieces. Mulch shall not be tamped up around base of tree.

STAKING AND GUYING

- All trees to be staked and guyed within 48 hours of planting.
- Methods and materials for staking and guying are illustrated in individual planting details.
- Neatly flag all guy wires with not resistant yellow tree marking ribbon.
- Staking may not be required dependent on plant location as directed by landscape architect.
- Brace plants upright in position by guy wires and rubber hose protection and stakes.

Tree Caliper	Tree Support Method
1 - 3 inches	2 guy wires (2 strand wire)
3 - 6 inches	3 - 6 inches (2 strand wire)
over 6 inches	4 guy wires (4 strand wire)



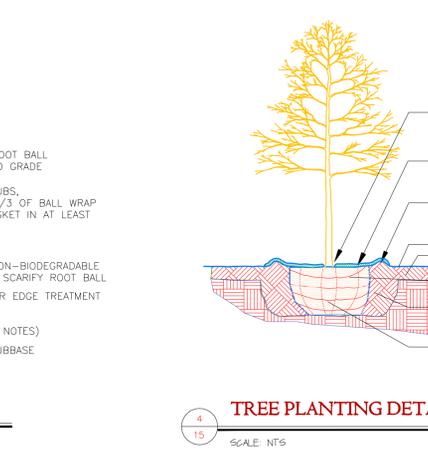
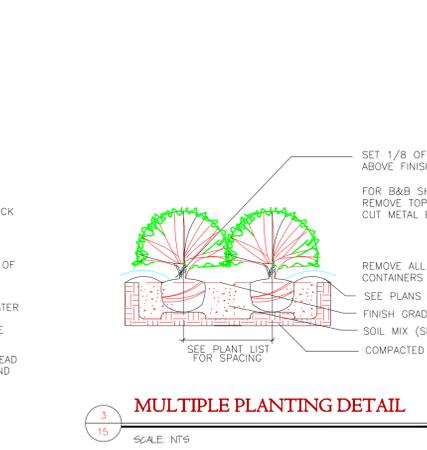
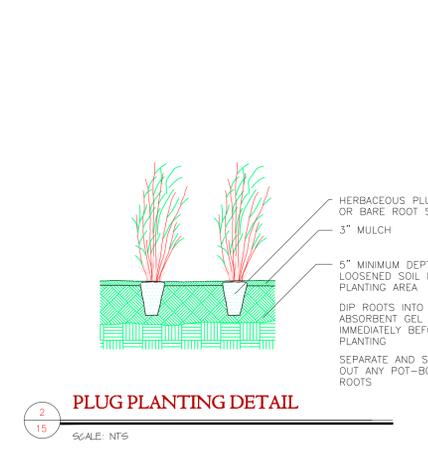
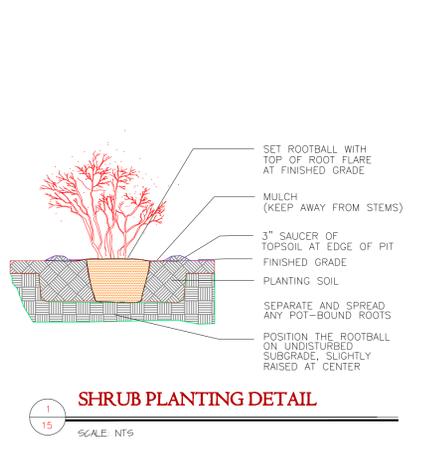
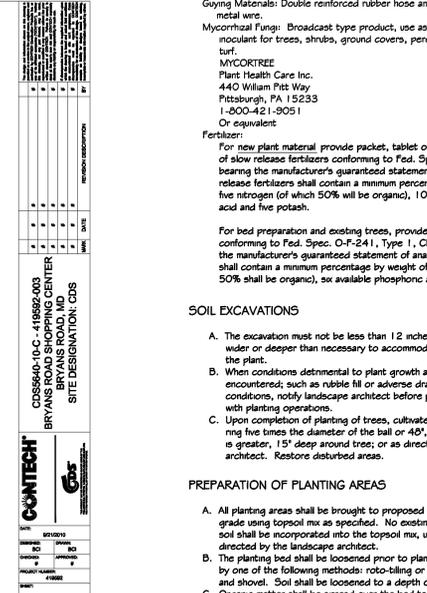
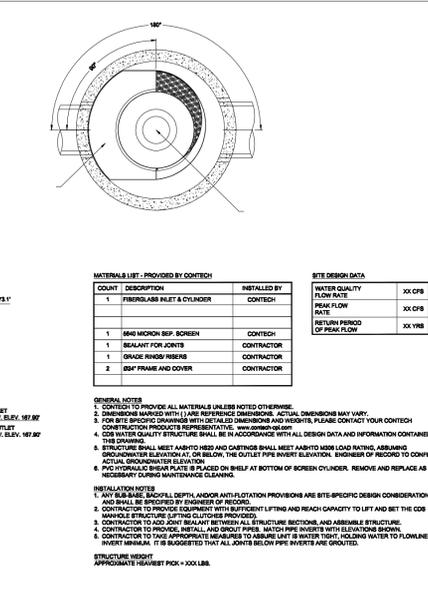
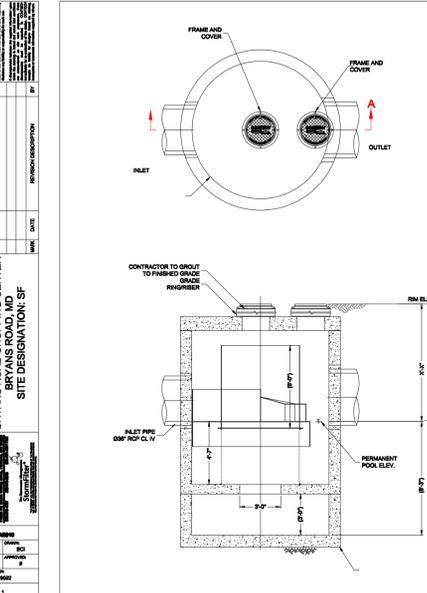
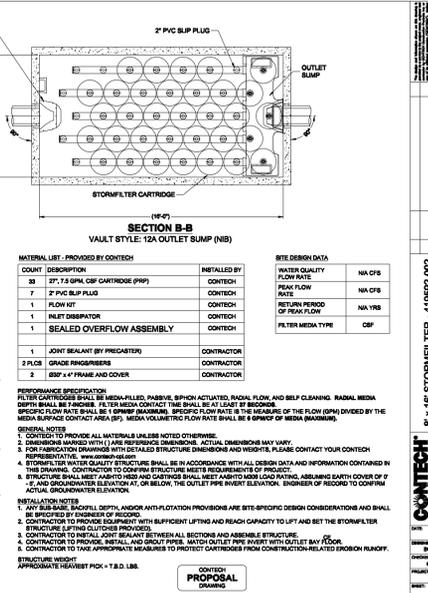
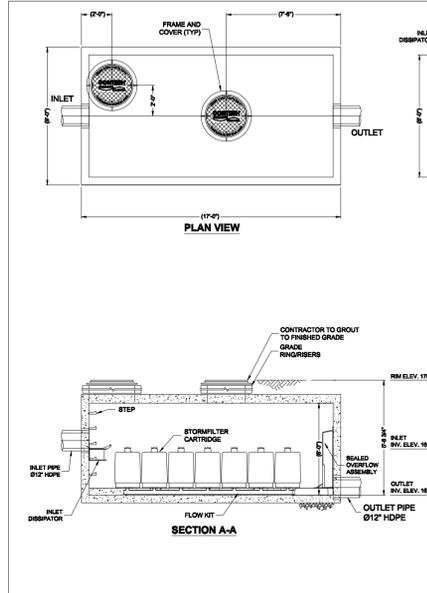
PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36310, EXPIRATION DATE: 11/17/2012

**CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING AND GROWTH MANAGEMENT
DEVELOPMENT SERVICES DEPARTMENT**

GRADING	CONSTRUCTION	AS-BUILT	REMARKS OR CONDITIONS
ROADS	CONSTRUCTION	AS-BUILT	
STORM DRAINAGE	CONSTRUCTION	AS-BUILT	
STORMWATER MANAGEMENT	CONSTRUCTION	AS-BUILT	
WATER	CONSTRUCTION	AS-BUILT	
SEWER	CONSTRUCTION	AS-BUILT	
OTHER	CONSTRUCTION	AS-BUILT	

SIGNED: _____ DATE: _____
DATE: _____ DATE: _____



NOTE
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NOTE
This Drawing does not include necessary components for construction safety. All construction must be done in compliance with the occupational safety and health act of 1970 and all rules and regulations thereto appurtenant.

REV NO.	CONSTRUCTION REVISION	DATE

VISTA DESIGN, INC.
Landscape Architects, Land Planning Consultants, Engineers & Surveyors
11634 Worcester Hwy, Shovel, MD 21862
ph 410-352-3874 fax 410-352-3875 email vista@vistadesigninc.com

PROJECT DATA	09-047
DRAWN BY: EZ	PROJ. NO.
CHECK BY: RP	CD 012210.dwg
CHARLES COUNTY BRYANS ROAD, MARYLAND	File Name:
EA NO. 00-00-00	
TM NO. 0-00-00-00	
DATE: 05/20/10	
SCALE: 1" = 10'	15
	SHEET NO.