SEQUENCE OF CONSTRUCTION OF BIOSWALE WITH SORBTIVE MEDIA

Bioswale preparation

1. Remove all soil and accumulated sediment, and excavate bioswale area to proposed depth per drawings. During all construction activities, use relatively light, tracked equipment to avoid compaction of the bioswale area. After final grading is completed, deeply till the swale floor with rotary tillers or disc harrows to provide a well-aerated, highly porous surface

- 2. If applicable, install the infiltration chambers, piping, manifolds, drains, cleanouts, and infiltration stone as specified on the plan.
- 3. Line sides of the Bioswale with a non-woven geotextile filter fabric, Class II.

Specified Sorbtive MEDIA Amended Bioswale soil (sand, organic, Sorbtive Media) 4. Fill Bioswale with specified Sorbtive MEDIA Amended Bioswale soil (sand, organic,

Sorbtive Media) as shown in the plans and detailed in the specifications.

- Install mulch or stone layer as called out in the design.
- Install vegetation and ground cover specified in the planting plan for Bioswale Place sod, erosion control fabric, or non erosive lining in the inlet channel.
- Upon stabilization of all disturbed areas, remove all sediment controls, unblock curb openings, and provide drainage to the Bioswale.

BIOSWALE AREA PLANTING SPECIFICATION

Sorbtive MEDIA Amended Bioswale Soil

The Bioswale shall contain a soil mixture amended with Sorbtive Media specified by the Engineer of Record. The Sorbtive Media Amended Bioswale Soil varies per project. A typical Sorbtive MEDIA Amended Bioswale Soil mixture by volume is 5 to 15% Sorbtive Media, 65 to 85% sand,

A natural hardwood shredded mulch layer 3-inches (75 mm) in depth, uniform in color, and free of foreign material including plant material, without dyes shall be provided on top of the Bioswale, or 1-2 inch diameter stone as called out in the design.

The sand used to produce the Sorbtive MEDIA Amended Bioswale soil mixture shall be ASTM C-33 Concrete Sand or equivalent and free of deleterious material.

Soil shall be placed in lifts less than 12 inches (300 mm) and lightly compacted (minimal compaction effort) by tamping or rolled with a hand-operated landscape roller

Bioswale Area Planting Specifications:

- Plantings are site specific. Native plant vegetation to be specified by the Engineer of Record. Root stock of the plant material shall be kept moist during transport from the source to the
- iob site and until planted.
- Walls of planting pit shall be dug so that they are vertical
- The diameter of the planting pit must be a minimum of six inches (6") larger than the neter of the root ball.
- The planting pit shall be deep enough to allow 1/8 of the overall dimension of the root ball to be above grade. Loose soil at the bottom of the pit shall be tamped by hand.

 6. The plant shall be removed from the container and placed in the planting pit by lifting and
- carrying the plant by its' ball (never lift by branches or trunk).
- Set the plant straight and in the center of the pit so that approximately 1/8 of the diameter of the root ball is above the final grade.

 8. Backfill planting pit with existing Bioswale Media Mixture soil.
- Make sure plant remains straight during backfilling procedure.

Maintenance/Inspection Guidelines

1. Never cover the top of the root ball with Bioswale Media Mixture soil. Mound Bioswale Media Mixture soil around the exposed ball.

Because of the high levels of nutrients transported in the stormwater runoff to be treated, Bioswale plants should not require chemical fertilization

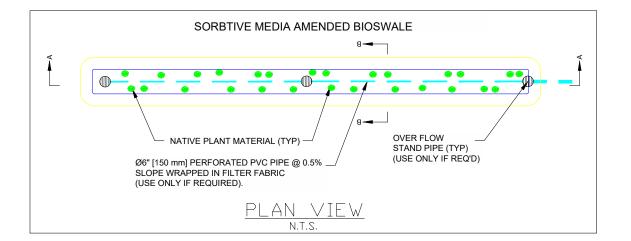
SITE S	PECIFIC	C DATA	REQU	JIREME	NTS
SORBTIVE M	EDIA AM	ENDED BI	OSWALE		
STRUCTURE ID					*
WATER QUALITY FLOW RATE (L/s)					XXX
PEAK FLOW RATE (L/s)					XXX
VOLUME OF SORBTIVE MEDIA REQUIRED (CF)				ED (CF)	XXX
ESTIMATED BED LIFE (yrs)					XXX
SORBTIVE MEDIA GRADATION					7X14
ESTIMATED DISSOLVED P TREATMENT (%)				(%)	XXX
PIPE DATA:	SLOPE %	6 HGL			
INLET #1 * * * *				*	*
INLET #2	*	*	*	*	*
OUTLET	*	*	*	*	*
* PER ENGINEER OF RECORD					*

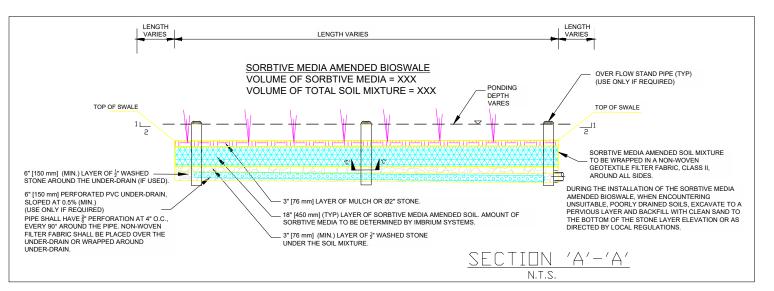
INFORMATION TO BE SUPPLIED BY ENGINEER OF RECORD

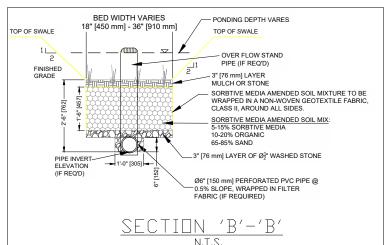
FOR SITE SPECIFIC DRAWINGS PLEASE CONTACT YOUR LOCAL SORBTIVE MEDIA REPRESENTATIVE. SITE SPECIFIC DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME. SOME FIELD REVISIONS TO THE SYSTEM LOCATION OR CONNECTION PIPING MAY BE NECESSARY BASED ON AVAILABLE SPACE OR SITE CONFIGURATION REVISIONS. ELEVATIONS SHOULD BE MAINTAINED EXCEPT WHERE NOTED ON BYPASS STRUCTURE.

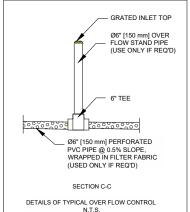
DRAWING NOT TO BE USED FOR CONSTRUCTION











MATERIAL LIST

VIATERIA	<u>L LIST</u>	
COUNT	DESCRIPTION	PROVIDED BY
XXX m³	SORBTIVE MEDIA *	IMBRIUM
XXX m³	SAND	OTHERS
XXX m³	ORGANIC	OTHERS
XXX m³	½" WASHED STONE	OTHERS
XXX m	Ø6" PERFORATED SCH 40 PVC PIPE	OTHERS
XXX m	Ø6" STAND PIPE WITH INLET CAP	OTHERS
XXX m³	MULCH OR STONE	OTHERS
XXX m²	NON-WOVEN GEOTEXTILE FABRIC	OTHERS
* 0.858 m	3 (30 3 CE) = 1 SUPERSACK (2 000 LBS) SOR	BTIVE MEDIA

0.858 m³ (30.3 CF) = 1 SUPERSACK (2,000 LBS) SORBTIVE MEDIA

					The design and information shown
VLE.					provided as a service to the project contractor by Imbrium Systems ("In
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					user's own risk and Imbrium expres liability or responsibility for such us
					If discrepancies between the suppli which the drawing is based and act
					are encountered as site work progra discrepancies must be reported to I for re-evaluation of the design. Imb
illo.coll	MARK	DATE	REVISION DESCRIPTION	ВУ	liability for designs based on missin inaccurate information supplied by or

SORBTIVE MEDIA AMENDED BIOSWA O ed

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Sorbtive ######## BSF BSF CHECKED PROVED SP BSF PROJECT N

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