

ERNMX-127 MIXTURE

PERCENTAGE OF MIXTURE	BOTANICAL NAME	COMMON NAME
20	AGROSTIS STOLONIFERA	CREeping BENTGRASS
25	ALOPECURUS ARUNDINACEUS	GARRISON CREeping FOXTAIL
25	ELYMUS VIRGINICUS	VIRGINIA WILD RYE
5	FESTUCA RUBRA	CREeping RED FESCUE
5	BIDENS CERNUA	NOODING BUR-MARIGOLD
4	SPARGANIUM EURYCARPUM	GIANT BUR-REED
4	SCRIPUS ATROVIRENS	GREEN BULRUSH
4	SCRIPUS POLYPHYLLUS	MAN-LEAVED BULRUSH
3	VERBENA HASTATA	BLUE VERVAIN
3	SCRIPUS CYPERINUS	WOOLGRASS
1	MIMULUS RINGENS	MONKEYFLOWER
1	SOLIDAGO PATULA	ROUGH-LEAF GOLDENROD

MAINTENANCE OF PERMANENT STORMWATER MANAGEMENT FACILITIES

ACTIVITY	SCHEDULE
NOTE EROSION OF POND BANKS OR BOTTOM	SEMIANNUAL INSPECTION
*INSPECT FOR DAMAGE TO THE EMBANKMENT	
*MONITOR FOR SEDIMENT ACCUMULATION IN THE FACILITY	SEMIANNUAL INSPECTION
*EXAMINE TO ENSURE THAT INLET AND OUTLET DEVICES ARE FREE OF DEBRIS AND OPERATIONAL	
*REPAIR UNDERCUT OR ERODED AREAS	STANDARD MAINTENANCE
*REMOVE LITTER AND DEBRIS	
SEED OR SOD TO RESTORE DEAD OR DAMAGED GROUND COVER	ANNUAL MAINTENANCE (AS NEEDED)
MONITOR SEDIMENT ACCUMULATIONS, AND REMOVE SEDIMENT WHEN THE POND VOLUME HAS BEEN REDUCED BY 25-50 PERCENT	25- TO 50-YEAR MAINTENANCE
MAINTENANCE SCHEDULE AS RECOMMENDED BY THE ENVIRONMENTAL PROTECTION AGENCY	

SOILS DATA

SOILS DATA OBTAINED FROM THE CURRENT NRCS WEB SOIL SURVEY OF MONTGOMERY COUNTY, PENNSYLVANIA

ClA - CHALFONT SILT LOAM, 0 TO 3 PERCENT SLOPES, SOMEWHAT POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

ClB - CHALFONT SILT LOAM, 3 TO 8 PERCENT SLOPES, SOMEWHAT POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

DsB - DOYLESTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES, POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

RaB - READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY WELL DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

MAINTENANCE CERTIFICATION

THE DETENTION BASINS AND STORMWATER BEST MANAGEMENT PRACTICE FACILITIES (B.M.P.'S) AS SHOWN IN THIS PLAN ARE A BASIC AND PERPETUAL PART OF THE STORM DRAINAGE SYSTEM OF WHITPAIN TOWNSHIP, AND AS SUCH, ARE TO BE PROTECTED AND PRESERVED IN ACCORDANCE WITH THE APPROVED FINAL PLAN BY THE INDIVIDUAL LOT OWNERS OR HOMEOWNERS ASSOCIATION, WHITPAIN TOWNSHIP AND/OR ITS AGENTS RESERVES THE RIGHT AND PRIVILEGE TO ENTER UPON SUCH LANDS FROM TIME TO TIME FOR THE PURPOSE OF INSPECTION OF SAID RETENTION/DETENTION BASINS IN ORDER TO DETERMINE THAT THE STRUCTURAL AND DESIGN INTEGRITY ARE BEING MAINTAINED BY THE OWNERS. IN THE EVENT THAT MAINTENANCE AND STRUCTURAL INTEGRITY ARE NOT MAINTAINED BY THE HOMEOWNERS AS REQUIRED BY THE TOWNSHIP, THE HOMEOWNERS HEREBY GRANT TO THE TOWNSHIP THE RIGHT TO ENTER UPON SUCH PROPERTY AND TO PERFORM ANY AND ALL IMPROVEMENTS, REVISIONS OR MAINTENANCE AS MAY BE DETERMINED NECESSARY BY THE TOWNSHIP AND TO RECOVER THE COSTS THEREOF FROM THE HOMEOWNERS BY ALL LAWFUL MEANS INCLUDING, BUT NOT LIMITED TO, THE IMPOSITION OF A MUNICIPAL LIEN ON THE SUBJECT PROPERTY. THE OWNERS OF THE LOTS SHALL NOT PLACE ANY STRUCTURES OR ALTER THE GRADING WITHIN THE LIMITS OF THE DETENTION BASIN EASEMENTS.

DATE: _____ OWNER: _____

VEGETATED SWALES

ACTIVITY	SCHEDULE
NOTE EROSION OF SWALE BANKS OR BOTTOM	SEMIANNUAL INSPECTION
*INSPECT FOR DAMAGE TO THE SIDE-SLOPES	
*MONITOR FOR SEDIMENT ACCUMULATION IN THE FACILITY	SEMIANNUAL INSPECTION
*REPAIR UNDERCUT OR ERODED AREAS	
*MOW SIDE SLOPES	STANDARD MAINTENANCE
*REMOVE PESTICIDE AND NUTRIENTS	
*REMOVE LITTER AND DEBRIS	
SEED OR SOD TO RESTORE DEAD OR DAMAGED GROUND COVER	ANNUAL MAINTENANCE (AS NEEDED)

- ### NON-STRUCTURAL BMP'S
- 5.6.2 Minimize Soil Compaction in Disturbed Areas
 - 5.6.3 Part 1, Protect Existing Trees

- ### STRUCTURAL BMP'S
- 6.5.2 Bio-retention Basin
 - 6.7.3 Soils Amendment & Restoration

UNDERGROUND UTILITY NOTE

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE BASED ON INFORMATION RECEIVED FROM FACILITY OWNERS FOLLOWING A CALL TO PA ONE CALL SYSTEM, INC. COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH, OR HORIZONTAL LOCATION OF UTILITIES CANNOT BE GUARANTEED. CONTRACTORS MUST VERIFY THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES BEFORE THE START OF WORK BY NOTIFYING FACILITY OWNERS THROUGH THE PA ONE CALL SYSTEM (1-800-242-1776 OR 811), NOT LESS THAN 3 BUSINESS DAYS NOR MORE THAN 10 BUSINESS DAYS IN ADVANCE OF BEGINNING EXCAVATION OR DEMOLITION WORK PER THE REQUIREMENTS OF PA ACTS 287 AND 121, AS AMENDED.

DESIGN SERIAL NO.: 20132621215 (SEPTEMBER-19, 2013)

RECORD PLAN - 2 OF 3

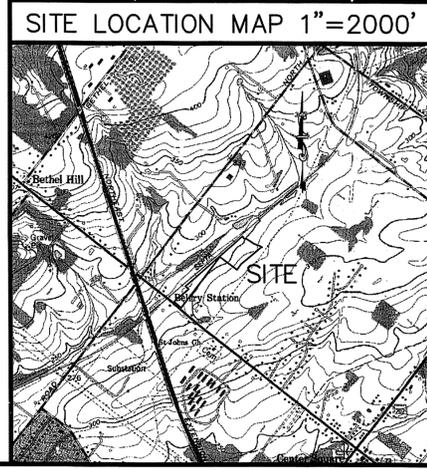
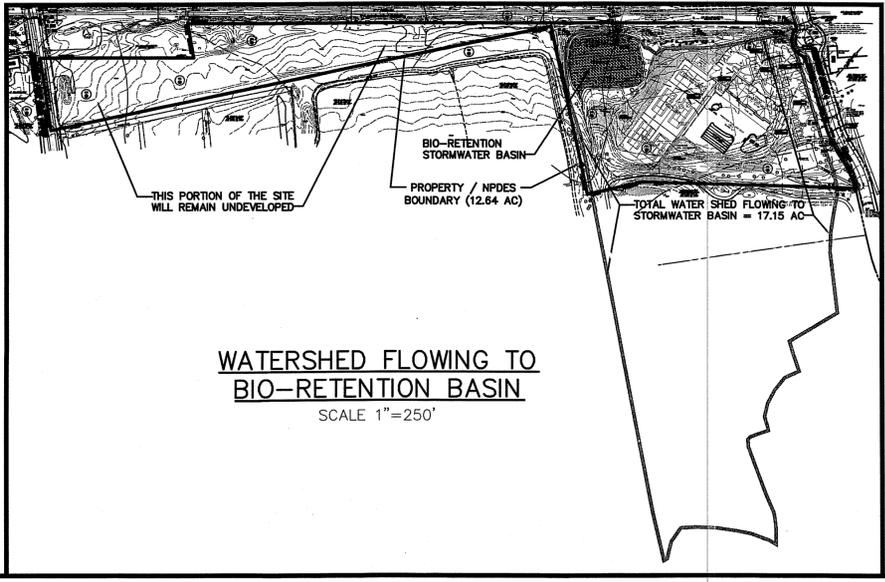
INDICATES SOILS BOUNDARY	
INDICATES INFILTRATION TEST PIT	
BASIN SIDE SLOPES	[Symbol]
BASIN BOTTOM	[Symbol]
SOIL AMENDMENT (MIXTURE DEPTH 20")	[Symbol]

DETENTION BASIN PLANTING SCHEDULE

BASIN SIDE SLOPES	NAME	RATE
	ERNMX-127 MIXTURE	20 LBS. PER ACRE
BASIN BOTTOM	NAME	RATE
	COMPOST MULCH	2" TO 3" LAYER

SWALE PLANTING SCHEDULE

NAME	RATE
ERNMX-26 GRASS MIXTURE	5-10 LBS. PER ACRE



THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS THE LATEST REVISION LISTED BELOW IS NOTED AS "ISSUED FOR CONSTRUCTION"

REVISION	DATE
PLAN ORIGINATION DATE	FEBRUARY 10, 2014

POST-CONSTRUCTION STORMWATER MANAGEMENT PLAN

FOR
PROPOSED COMMUNITY CENTER (POD 0)
PREPARED FOR
BLUE BELL COUNTRY CLUB COMMUNITY ASSOCIATION

SITE SITUATE IN
WHITPAIN TOWNSHIP, MONTGOMERY COUNTY, PA

Richard C. Mast Associates, P.C.
Consulting Engineers and Surveyors
www.rcmaonline.com

The Village at Lederach
658 Harleysville Pike, Suite 150
Harleysville, PA 19438
(215) 618-2100

FILE NAME	DRAFTED BY	PROJ. MGR.	PROJECT NO.	DRAWING NO.
PCSM	J.M.D.	R.C.M.	2671	2 OF 13

General:

- The management of post construction stormwater for the project site has been planned, to the extent practicable, in order to: (i) Preserve the integrity of stream channels and maintain and protect the physical, biological and chemical qualities of the receiving stream, (ii) Prevent an increase in the rate of stormwater runoff volume, (iii) Minimize any increase in stormwater runoff volume, (iv) Minimize impervious area, (v) Maximize the protection of existing drainage features and existing vegetation, (vi) Minimize land clearing and grading, (vii) Minimize soil compaction and (viii) Utilize structural and nonstructural BMPs that prevent or minimize changes in stormwater runoff.

2. The following Non-Structural BMPs and Structural BMPs are shown on the PCSM plan:

5.6.2 Minimize Soil Compaction in Disturbed Areas

5.6.3 Part 1, Protect Existing Trees

6.5.2 Bio-Retention Basin

6.7.3 Soils Amendment & Restoration

3. Refer to the Post-Construction Stormwater Management Report for the design calculations prepared by RCMA that is part of the PCSM Plan

Sequence of PCSM BMP Installation:

- PCSM BMP shall be installed in conjunction with earthmoving activities as described in the "Earthmoving/BMP Construction Sequence" notes shown on the EAS Plan.

Critical Stages of Implementation:

- A licensed professional or a designee shall be present onsite and be responsible during the following critical stages of implementation of the approved PCSM Plan:
 - Rain Garden/Bio-retention Construction: verify sub-grade and finished grade elevations, amend subsoil to a depth of 20" (compost soil amendment) along with planting soil mixture ratios.
 - Detention / Bio-retention Basin Construction: verify sub-grade and finished grade amend subsoil to a depth of 20" (compost soil amendment) along with planting soil mixture ratios.
 - Compost Soil Amendment Installation: verify quantity and suitability compost product and the extent of the area to be sub-soiled and soil amended (6" depth).
 - All PCSM BMPs shall be installed by the developer or his designee (contractor) in accordance with the approved land development plans and PCSM plan.

Construction:

- Refer to the "Construction Notes" shown on the Construction Improvement Plan.

Retention/Bio-retention Basin O-1:

- Refer to the "Rain Garden/Bio-retention BMP" Detail
- Where erosion of sub-grade has caused accumulation of fine materials and/or surface ponding in the graded bottom, remove with light equipment and underlying soils shall be amended with to a minimum depth of 20 inches with a York rake or equivalent light tractor.
- Planting soil shall be placed immediately after approval of sub-grade preparation/retention installation.
- Protect BMP Bottom from sediment at all times during construction. Appropriate measures shall be used at the toe of the slopes that are adjacent to the BMP to prevent sediment from washing into these areas during construction.

Compost Soil Amendment/Restoration:

- Amended Soil Composition/Requirement (20" deep):
 - Compost should be amended at a rate 20% to 30%.
 - Coarse sand should be added at a rate 20% to 30%. Sand shall be ASTM-C-33 (or AASHTO M-6) size (0.02" - 0.04"), concrete sand, clean, medium to fine sand, no organic material.
 - Amended soil should be added at a rate 20% to 30%.
 - Peat should be added at a rate 20% to 30%. Peat shall have ash content <15%, pH range 3.5-5.2, loose bulk density range 0.12-0.14 g/cc.
- If a proprietary product is used, the manufacturer's instructions should be followed in terms of mixing and application rate.
- Only compost products that meet all applicable state and federal regulations pertaining to its production and distribution may be used in this application. Approved compost products must meet related state and federal chemical contaminant (e.g., heavy metals, pesticides, etc.) and pathogen limit standards pertaining to the feedstocks (source materials) in which it is derived.
- Very coarse compost should be avoided for soil amendment as it will make planting and crop establishment more difficult.
- The final, resulting compost soil amendment must meet all of the mandatory criteria listed in Table 4 of BMP Section 6.7.3 Soil Amendment & Restoration of the PADEP "Pennsylvania Stormwater Best Management Practices Manual."
- Add a minimum of 10 inches of approved compost and fill existing soil up to a depth of 20 inches. Add an additional 4 inches of approved compost to bring area up to a depth of 24 inches.
- After permanent planting/seeding, 2-3 inches of compost blanket or mulch shall be applied to all areas not protected by grass or other plants.

Sub-Soiling/Restoration:

- Before the time the compost is placed and preferably when excavation is completed, the subsoil shall be in a loose, friable condition to a depth of 20 inches below final topsoil grade and there shall be no erosion rills or washouts in the subsoil surface exceeding 3 inches in depth.
- To achieve this condition, sub-soiling, ripping, or scarification of the subsoil will be required as directed by the owners representative, wherever the subsoil has been compacted by equipment operation or has become dried out and crusted, and where necessary to diluteriate erosion rills. Sub-soiling shall be required to reduce soil compaction in all areas where plant establishment is planned. Sub-soiling shall occur before compost placement.
- Sub-soiled areas shall be loosened to less than 1400 kPa (200 psi) to a depth of 20 inches below final topsoil grade.
- Sub-soiling shall form a two-directional grid. Channels shall be created by a commercially available, multi-shanked, parallelogram implement (solid-shank ripper). The equipment shall be capable of exerting a penetration force necessary for the site. No disc cultivators, chisel plows, or spring-loaded equipment will be allowed. The grid channels shall be spaced a minimum of 12 inches to a maximum of 36 inches apart, depending on equipment, site conditions and the soil management plan. The channel depth shall be a minimum of 20 inches. If soils are saturated, the Contractor shall delay operations until the soil will not hold a ball when squeezed. Only one pass shall be performed on erodible slopes greater than 1 vertical to 3 horizontal. When only one pass is used, work should be at right angles to the direction of surface drainage, whenever practical.
- Exceptions to sub-soiling include areas within the drip line of any existing trees, over utility installations within 30 inches of the surface, where trenching/drainage lines are installed, where compaction is by design (abutments, footings, or in slopes), and on inaccessible slopes, as approved by the owner's representative.

Water Quality Inlet - Strout type:

- Inlets shall be inspected annually and after heavy rainfall events. The sump region of the water quality inlet shall be emptied when more than half full of sediment or trash and shall be cleaned at least two times per year. Oil/debris separator hoods and anti-siphon vents shall be cleaned annually by fitting with a hose or pressure washer to remove debris accumulated on surfaces. The anti-siphon vent can be flushed with water or air to verify that it is clear.

Water Quality Inlet - Sumped Inlet:

- Inlets shall be inspected annually and after heavy rainfall events. The sump region of the water quality inlet shall be emptied when more than half full of sediment or trash and shall be cleaned at least two times per year. Maintenance is crucial to the effectiveness of this BMP. Disposal of sediment recovered from inlet sumps shall be disposed properly. The following inlets are sumped inlets: #4a, 4b, 4c, 4d, 14 and 15.

Waste Materials:

- All BMP waste material shall be removed from the site and recycled or disposed of in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code 2601 et. seq., 271.1 et. seq. and 287.1 et. seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.

Soil Information:

- Soil boundary lines and data are taken from the US Department of Agriculture, Natural Resources Conservation Service Web Soil Survey website.
- REAVILLE SHALY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
- Appropriate earthwork construction techniques, including importing suitable soils and utilizing local sumps and pumps (to approved sediment removal facilities) to keep excavations and open trenches dry, as recommended by a qualified geotechnical engineer, should be implemented if soil limitations are encountered. Trench excavations and grading should be avoided in extreme cold temperatures. Positive grading should be provided at all times to eliminate ponding.

PERMANENT CONTROL MEASURES

TO ENSURE THAT NO EROSION WILL TAKE PLACE AFTER THE PROJECT HAS BEEN COMPLETED, THE FOLLOWING MEASURES SHALL BE TAKEN:

- LAWN AREAS SHALL BE PERMANENTLY SEEDED AS PER PCSM PLANS.
- DETENTION BASIN SHALL BE PERMANENTLY SEEDED AS PER PCSM PLANS.

CONSTRUCTION SEQUENCE / STAGING OF EARTHMOVING AND RELATED ACTIVITIES

IN ORDER TO KEEP EROSION AND SEDIMENT POLLUTION DURING CONSTRUCTION TO AN ABSOLUTE MINIMUM, THE FOLLOWING PROCEDURES AND STAGES SHALL BE FOLLOWED:

- AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE ACTIVITIES, THE CONTRACTOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE WHITPAIN TOWNSHIP MUNICIPAL OFFICIALS, AND THE MONTGOMERY COUNTY CONSERVATION DISTRICT TO ATTEND AN ON-SITE PRE-CONSTRUCTION MEETING.
- FIELD-MARK LIMITS OF DISTURBANCE AND ENVIRONMENTALLY SENSITIVE AREAS (INCLUDING STEEP SLOPES, RIPARIAN BUFFERS, WETLANDS, SPRINGS, AND FLOODWAYS)
- ROCK CONSTRUCTION ENTRANCE: ROUGH GRADE PROPOSED ENTRANCE ON GOLFVIEW DRIVE. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AT THE PROPOSED ENTRANCE.
- INSTALL SILT FENCING AS DEPICTED ON THE PLANS AND DOWNSTREAM OF ALL EXCAVATED AREAS OR TOPSOIL STOCKPILES. INSTALL CONSTRUCTION FENCING AROUND THE SOIL AMENDMENT AREAS. THIS AREA SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO THE PLACEMENT OF AMENDED SOILS.
- ACCESS TO SITE/BMPS
- ACCESS DRIVES
- DRAINAGE STRUCTURES

ERNMN-127 MIXTURE

PERCENTAGE OF MIXTURE	BOTANICAL NAME	COMMON NAME
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SOILS DATA

SOILS DATA OBTAINED FROM THE CURRENT NRCS WEB SOIL SURVEY OF MONTGOMERY COUNTY, PENNSYLVANIA

C1A - CHALFONT SILT LOAM, 0 TO 3 PERCENT SLOPES, SOMEWHAT POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

C1B - CHALFONT SILT LOAM, 3 TO 8 PERCENT SLOPES, SOMEWHAT POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

D8B - DOYLESTOWN SILT LOAM, 3 TO 8 PERCENT SLOPES, POORLY DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

R4B - READINGTON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY WELL DRAINED, LOW AVAILABLE WATER CAPACITY, FREQUENCY OF FLOODING: NONE, FREQUENCY OF PONDING: NONE.

MAINTENANCE CERTIFICATION

THE DETENTION BASINS AND STORMWATER BEST MANAGEMENT PRACTICE FACILITIES (B.M.P.'S) AS SHOWN IN THIS PLAN ARE A BASIC AND PERPETUAL PART OF THE STORM DRAINAGE SYSTEM OF WHITPAIN TOWNSHIP, AND AS SUCH, ARE TO BE PROTECTED AND PRESERVED IN ACCORDANCE WITH THE APPROVED FINAL PLAN BY THE INDIVIDUAL LOT OWNERS OR HOMEOWNERS ASSOCIATION, WHITPAIN TOWNSHIP AND/OR ITS AGENTS RESERVES THE RIGHT AND PRIVILEGE TO ENTER UPON SUCH LANDS FROM TIME TO TIME FOR THE PURPOSE OF INSPECTION OF SAID RETENTION/DETENTION BASINS IN ORDER TO DETERMINE THAT THE STRUCTURAL AND DESIGN INTEGRITY ARE BEING MAINTAINED BY THE OWNERS. IN THE EVENT THAT MAINTENANCE AND STRUCTURAL INTEGRITY ARE NOT MAINTAINED BY THE HOMEOWNERS AS REQUIRED BY THE TOWNSHIP, THE HOMEOWNERS HEREBY GRANT TO THE TOWNSHIP THE RIGHT TO ENTER UPON SUCH PROPERTY AND TO PERFORM ANY AND ALL IMPROVEMENTS, REVISIONS OR MAINTENANCE AS MAY BE DETERMINED NECESSARY BY THE TOWNSHIP AND TO RECOVER THE COSTS THEREOF FROM THE HOMEOWNERS BY ALL LAWFUL MEANS INCLUDING, BUT NOT LIMITED TO, THE IMPOSITION OF A MUNICIPAL LIEN ON THE SUBJECT PROPERTY. THE OWNERS OF THE LOTS SHALL NOT PLACE ANY STRUCTURES OR ALTER THE GRADING WITHIN THE LIMITS OF THE DETENTION BASIN EASEMENTS.

DATE: _____ OWNER: _____

MAINTENANCE OF PERMANENT STORMWATER MANAGEMENT FACILITIES

STORMWATER DETENTION BASINS	
ACTIVITY	SCHEDULE
NOTE EROSION OF POND BANKS OR BOTTOM	SEMIANNUAL INSPECTION
*INSPECT FOR DAMAGE TO THE EMBANKMENT	
*MONITOR FOR SEDIMENT ACCUMULATION IN THE FACILITY	SEMIANNUAL INSPECTION
*EXAMINE TO ENSURE THAT INLET AND OUTLET DEVICES ARE FREE OF DEBRIS AND OPERATIONAL	
*REPAIR UNDERCUT OR ERODED AREAS	STANDARD MAINTENANCE
*REMOVE LITTER AND DEBRIS	
SEED OR SOD TO RESTORE DEAD OR DAMAGED GROUND COVER	ANNUAL MAINTENANCE (AS NEEDED)
MONITOR SEDIMENT ACCUMULATIONS, AND REMOVE SEDIMENT WHEN THE POND VOLUME HAS BEEN REDUCED BY 25-PERCENT	25- TO 50-YEAR MAINTENANCE
MAINTENANCE SCHEDULE AS RECOMMENDED BY THE ENVIRONMENTAL PROTECTION AGENCY	
VEGETATED SWALES	
ACTIVITY	SCHEDULE
NOTE EROSION OF SWALE BANKS OR BOTTOM	SEMIANNUAL INSPECTION
INSPECT FOR DAMAGE TO THE SIDE-SLOPES	
*MONITOR FOR SEDIMENT ACCUMULATION IN THE FACILITY	SEMIANNUAL INSPECTION
*REPAIR UNDERCUT OR ERODED AREAS	
*MOW SIDE SLOPES	STANDARD MAINTENANCE
*MANAGE PESTICIDE AND NUTRIENTS	
*REMOVE LITTER AND DEBRIS	
SEED OR SOD TO RESTORE DEAD OR DAMAGED GROUND COVER	ANNUAL MAINTENANCE (AS NEEDED)
NON-STRUCTURAL BMP'S	
1. MINIMUM SOIL COMPACTION 2. PROTECT EXISTING TREES	
STRUCTURAL BMP'S	
1. 6.5.2 WET BOTTOM / BIO-RETENTION BASIN 2. 6.7.3 SOILS AMENDMENT & RESTORATION	

RECORD PLAN - 3 OF 3

DRAWING SCALE: 1"=40'

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NO.	REVISION	DATE
1	PLAN ORIGINATION DATE	FEBRUARY 10, 2014

POST-CONSTRUCTION STORMWATER MANAGEMENT PLAN

FOR
PROPOSED COMMUNITY CENTER (POD 0)

PREPARED FOR
BLUE BELL CHITNEY CLUB COMMUNITY ASSOCIATION

SITE SITUATE IN
WHITPAIN TOWNSHIP, MONTGOMERY COUNTY, PA

Richard C. Mast Associates, P.C.
Consulting Engineers and Surveyors
www.rcmaonline.com

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PCSM	J.M.D.	R.C.M.	2671	3 OF 13

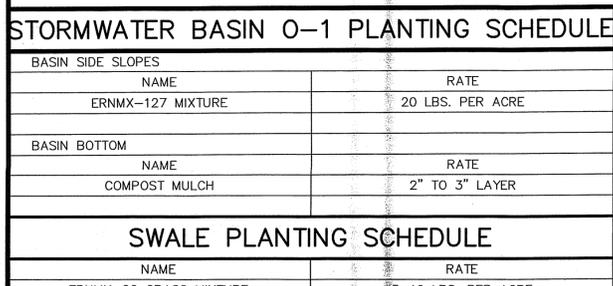
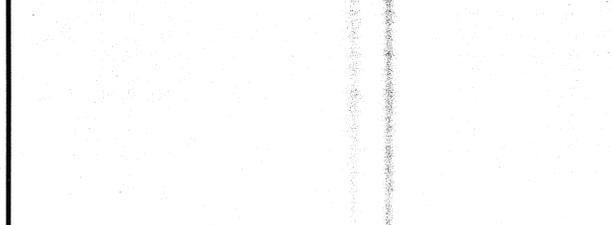
STORMWATER BASIN O-1 PLANTING SCHEDULE

BASIN SIDE SLOPES	RATE
NAME: ERNMN-127 MIXTURE	RATE: 20 LBS. PER ACRE

SWALE PLANTING SCHEDULE

BASIN BOTTOM	RATE
NAME: COMPOST MULCH	RATE: 2" TO 3" LAYER

BASIN SIDE SLOPES	INDICATES SOILS BOUNDARY
BASIN BOTTOM	INDICATES INFILTRATION TEST PIT
SOIL AMENDMENT (MIXTURE DEPTH 20")	



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