EAST GOSHEN TOWNSHIP

STORMWATER MANAGEMENT PERMIT APPLICATION

1580 PAOLI PIKE WEST CHESTER, PA 19380-6199
PHONE (610)-692-610-692-7171 FAX (610)-692-8950 www.eastgoshen.org

Date: ___/___/_____ Tax Parcel No.: 53 - __ __ __ - __ __ __ __ . __ __ __ __ Zoning District: _____

Property Owner: _____

Property Address: _____

Telephone Number: _____ Fax Number: _____

Email Address: _____

Contractor Name: _____

Telephone Number: _____ Fax Number: _____

Area of Lot (square feet): _____ Area of *proposed* new impervious coverage (square feet): _____

Area of impervious coverage (square feet) added to the property since 10/22/2003:_____

Cumulative area of impervious coverage (area added since 10/22/2013 + proposed area): **_____**

ALL NEW IMPERVIOUS COVERAGE PROPOSED SHALL REQUIRE STORMWATER MANAGEMENT FACILITIES TO MANAGE THE INCREASED STORMWATER AS PER §195 OF THE TOWNSHIP CODE ADOPTED ON 19 NOVEMBER 2013 AND EFFECTIVE ON JANUARY 1, 2014.

IMPERVIOUS COVERAGE IS: BUILDING ADDITIONS, DRIVEWAYS, PATIOS, DECKS, SHEDS, ETC.

DESIGN CRITERIA:

Is the cumulative area of impervious coverage *(Noted Above)* greater than 2,000 square feet?

☐ **No** Go to Step One
☐ **Yes** Go to Step Six

Step One: Is the new impervious coverage a result of a new storage shed to be placed on the property with an area of:

☐ **a) 120 sq. ft. for properties with one (1) acre or less; or**
☐ **b) 240 sq. ft. for properties with more than one (1) acre**

☐ **No** Go to Step Two.
☐ **Yes** The storm water from this area of new impervious coverage shall be managed on site by the use of a stone base, a minimum of 6"deep, which extends at least one foot from the structures' drip edges. ***(See attached detail; A.4)***

Step Two: Is the increase in impervious coverage a result of a new deck?

☐ **No** Go to Step Three.
☐ **Yes** The storm water from this new impervious coverage can be managed on site with the use of a stormwater management feature such as those shown in ***Fig. A.3. or A.5.***

East Goshen Township Stormwater Management Application

Step Three: Is the new (proposed) impervious coverage greater than 500 square feet?

☐ **No** Go to Step Four.
☐ **Yes** Go to Step Five.

Step Four: On site storm water management can be done without the consultation of an engineer. (Impervious Cover is less than 500 sq. ft.)

An infiltration trench, of the size specified by the township is required for this project (***see Fig. A.3***). The applicant shall prepare and submit a plot plan (sketch) of the property indicating the location of the project and the location of the infiltration trench. A permit fee will be charged to the applicant for inspections required for the storm water facility.

Step Five: Simplified Approach (impervious coverage is greater than 500 sq ft.)

An infiltration trench, of the size specified, is required to manage stormwater from the new proposed impervious cover associated with this project (***see Fig. A.3***). The applicant shall prepare and submit plans and documents as identified in **Appendix A** of the Stormwater Management Ordinance. A permit fee will be charged to the applicant for inspections required for the storm water facility. **Submit the "Stormwater management practices operation, maintenance and inspection plan agreement" with your application (Separate Document, must be Signed and Notarized). This agreement and the plans for the stormwater facility will be recorded with the Chester County Recorder of Deeds. All costs associated with recording will be the responsibility of the property owner.**

Step Six: (impervious coverage is greater than 2,000 sq ft.)

A full stormwater drainage plan and calculations shall be required as per Article 4 of the Stormwater Management Ordinance. The applicant is responsible for establishing an escrow account with the Township in the amount of $2,000 to cover the cost of the plan review and any special inspections required for the project.

NOTE: APPLICATION MUST BE SIGNED BY THE PROPERTY OWNER AND CONTRACTOR.

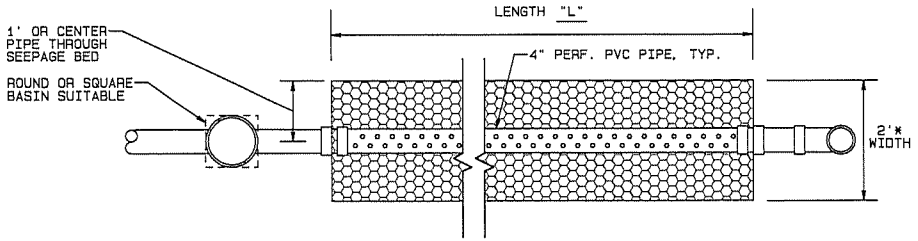
Stormwater management permits are subject to applicable fees, payable at the time of issue.

We hereby acknowledge that we have read this application and state that the information provided is correct and agree to maintain the stormwater system and comply with all provisions of the East Goshen Township Stormwater Management Ordinance applicable to this stormwater management system and the property.

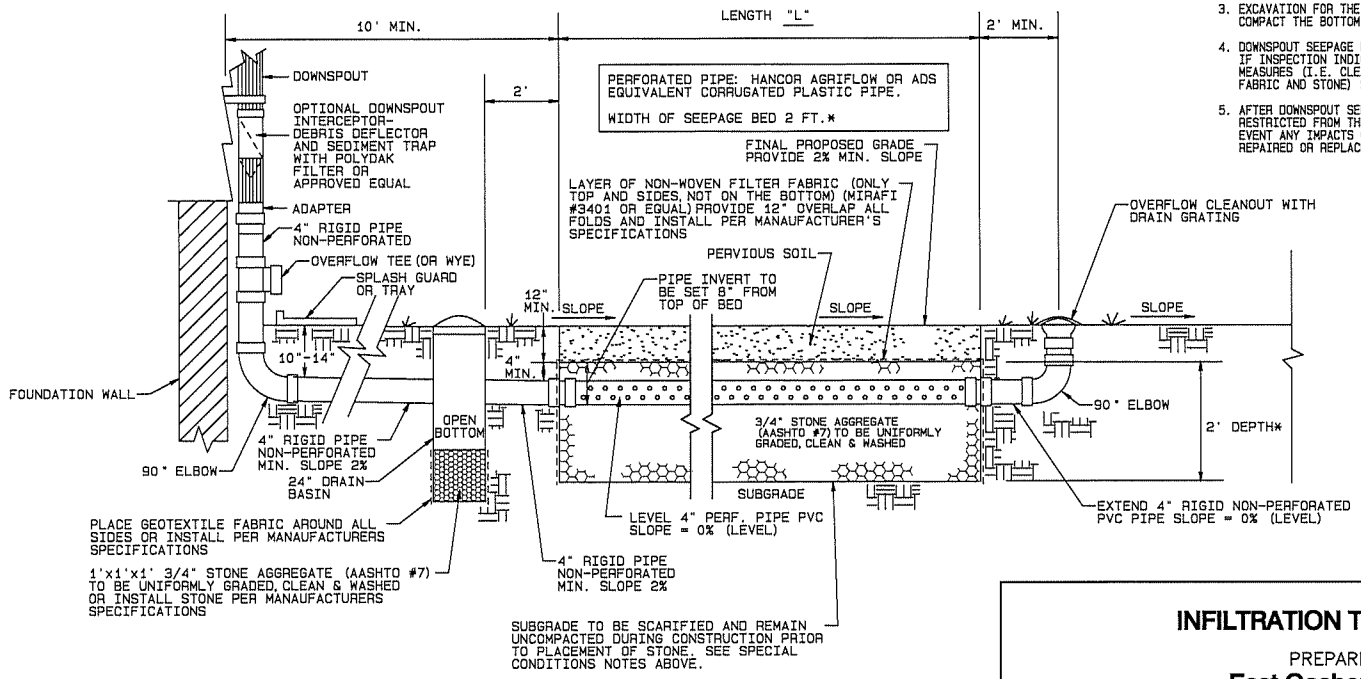
_____ _____
Signature of Property Owner Date

_____ _____
Signature of Contractor Date

APPLICATION IS INCOMPLETE IF NOT SIGNED BY THE PROPERTY OWNER AND CONTRACTOR



PLAN VIEW



CROSS SECTION

GENERAL NOTES

1. ALL LOTS SHALL BE PROVIDED WITH DOWNSPOUT SEEPAGE BEDS SIZED TO ACCOMODATE THE INCREASE IN 2 YEAR - RUNOFF FROM THE ROOF AREAS OF THE HOUSES ON THESE LOTS. VOLUME OF STONE PROVIDED IN BED SHALL ACCOMMODATE ROOF AREA DRAINING TO THE DOWNSPOUT. MULTIPLE BEDS SHALL BE USED IF NECESSARY. STONE TO BE CLEAN 3/4 INCH AGGREGATE (AASHTO #7) WITH 40% VOID RATIO. LEAF SCREENS SHALL BE INSTALLED OVER THE GUTTERS OR LEAF DEFLECTOR GUARDS INSTALLED IN THE DOWNSPOUT, OR OTHER APPROVED LEAF PROTECTION DEVICE SHALL BE INSTALLED.
2. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF STORMWATER FACILITIES IN ACCORDANCE WITH THE EAST GOSHEN TOWNSHIP STORMWATER REQUIREMENTS PER ARTICLE VII OF THE ACT 167 ORDINANCE NO.129-W-03 AND SECTION 205-37.1 OF THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE, WITH REVISIONS THERETO.
3. UNLESS NOTED DIFFERENTLY ON THIS DETAIL, THE SEEPAGE BED SHALL BE INSTALLED IN ACCORDANCE WITH EAST GOSHEN TOWNSHIP REQUIREMENTS FOR STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION CONTROLS PER CHAPTER 195-ACT 167 ORDIANANCE NO.129-W-03, SUBDIVISON AND LAND DEVELOPMENT ORDINANCE SECTIONS 205-37.F AND 205-69; CHAPTER 131 AND PADEP CHAPTER 102, WITH REVISIONS THERETO.

NOTE THE FOLLOWING SPECIAL CONDITIONS FOR THE DOWNSPOUT SEEPAGE BEDS DURING CONSTRUCTION:

1. INSTALLATION OF DOWNSPOUT SEEPAGE BEDS TO BE CHECKED BY THE TOWNSHIP SITE INSPECTOR OR ENGINEER. INSPECTOR MUST BE NOTIFIED 36 HOURS IN ADVANCE OF INSTALLATION.
2. PRIOR TO THE PLACEMENT OF STONE IN THE SEEPAGE BED, THE CONTRACTOR OR PROPERTY OWNER SHALL MAKE A TEST PIT 2 FEET BELOW THE BED BOTTOM TO ENSURE THAT BEDROCK AND/OR GROUNDWATER ARE NOT PRESENT IN THIS ZONE. IN THE EVENT THAT GROUNDWATER AND/OR BEDROCK IS WITHIN 2 FEET OF BED BOTTOM, THE BED SHALL BE RELOCATED AND REDESIGNED BEFORE CONSTRUCTION MAY CONTINUE.
3. EXCAVATION FOR THE DOWNSPOUT SEEPAGE BEDS SHALL BE PERFORMED WITH EQUIPMENT WHICH WILL NOT COMPACT THE BOTTOM OF THE BED AREA.
4. DOWNSPOUT SEEPAGE BEDS SHOULD BE KEPT CLEAN OF SOIL / SEDIMENT DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL HAS ENTERED ANY OF THE DOWNSPOUT SEEPAGE BEDS THAN APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM FILTER FABRIC, STONE, BED, ETC. AND REPLACEMENT OF THE FABRIC AND STONE) SHALL BE ADDRESSED.
5. AFTER DOWNSPOUT SEEPAGE BEDS IS COMPLETELY INSTALLED, ALL HEAVY CONSTRUCTION EQUIPMENT SHALL BE RESTRICTED FROM THE DOWNSPOUT SEEPAGE BEDS TO ELIMINATE IMPACTS WHICH MAY COMPROMISE IT. IN THE EVENT ANY IMPACTS COMPROMISE THE FUNCTIONALITY OF THE DOWNSPOUT SEEPAGE BEDS, IT MUST BE IMMEDIATELY REPAIRED OR REPLACED TO DESIGN SPECIFICATIONS.

CALCULATION OF LENGTH OF BED "L"

L=3 FT. IN LENGTH PER 50 S.F. OF INCREASED IMPERVIOUS COVERAGE (FOR UP TO 2000 S.F. OF INCREASED IMPERVIOUS COVERAGE)

OR

L= (3 FT. DIVIDED BY 50 S.F.) TIMES _____ S.F. OF IMPERVIOUS COVERAGE (MAXIMUM 2,000 S.F.)

EXAMPLES*

IMPERVIOUS COVERAGE INCREASE	LENGTH OF BED
50 S.F.	3 FT.
100 S.F.	6 FT.
1,000 S.F.	60 FT.
1,500 S.F.	90 FT.
2,000 S.F.	120 FT.

*FINAL BED DIMENSIONS MAY VARY ACCORDING TO SITE CONDITIONS. FINAL BED DIMENSIONS MUST BE THE EQUIVALENT VOLUME OF STONE OF INITIAL CALCULATION. ANY VARIATIONS IN BED DIMENSIONS OR DESIGN THAN SHOWN MUST BE APPROVED BY THE TOWNSHIP.

STONE VOLUME = LENGTH TIMES WIDTH TIMES DEPTH TIMES 0.40 (40%)

INFILTRATION TRENCH DETAIL

PREPARED FOR

East Goshen Township

East Goshen Township * Chester County * Pennsylvania

REVISIONS
06-10-09 PER TOWNSHIP
10-21-13 PER TOWNSHIP

Yerkes

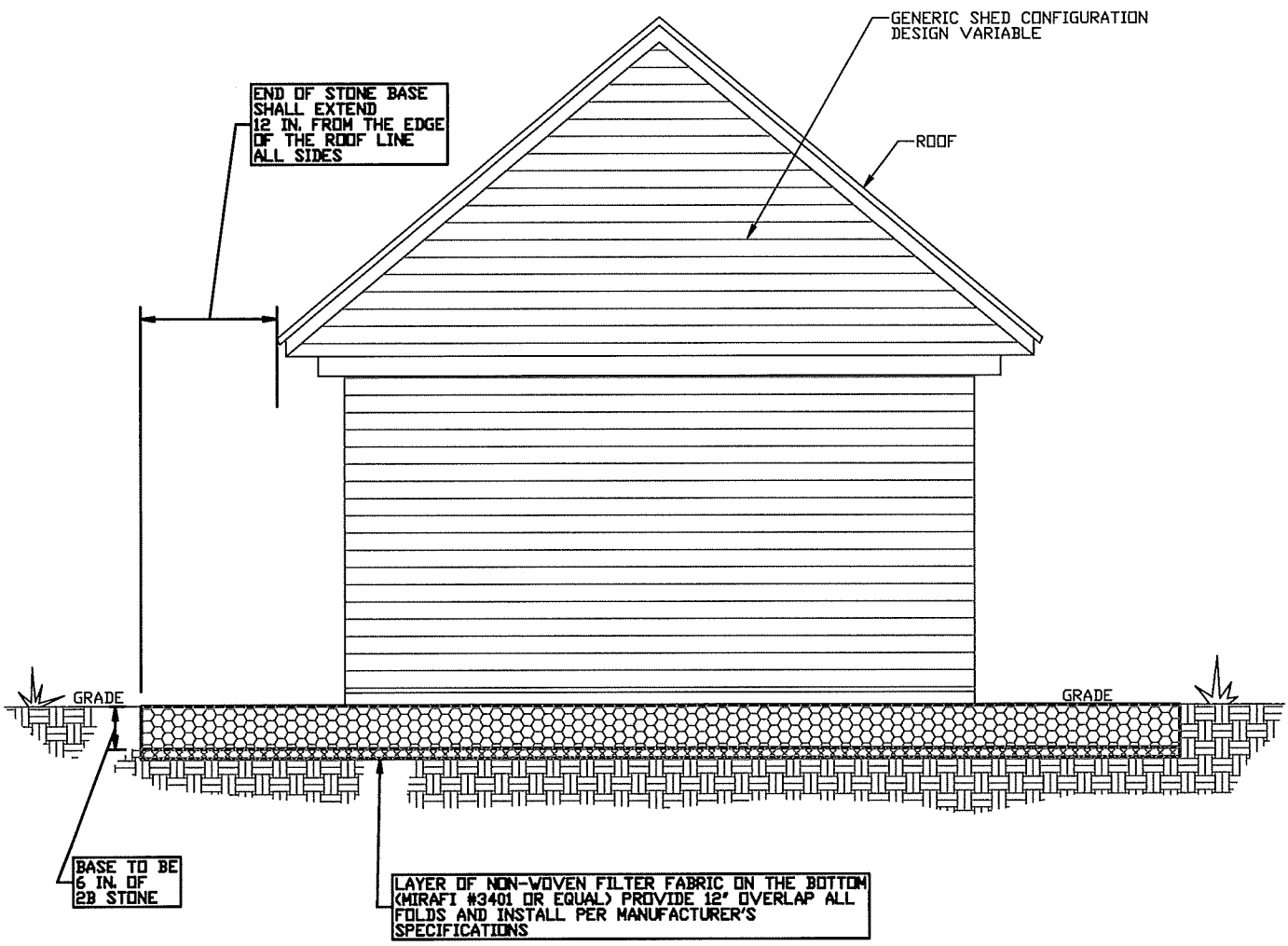
YERKES ASSOCIATES, INC.

CONSULTING ENGINEERS SITE PLANNERS SURVEYORS

PROJECT -	W-13-0310-01
DATE -	10-17-2007
SCALE -	NOT TO SCALE
DRAWN -	CEJ3
CHECKED -	X
CAD FILE -	W-06-3704-01 EGTdetails.pro
TAX PARCEL -	N/A
NOTEBOOK -	N/A
PLAN NO. -	N/A
SHEET NO. -	1

FIGURE A.3

FIGURE A.4



GENERAL NOTES

1. THIS DETAIL IS FOR THE INSTALLATION OF A STONE BASE BELOW THE AREA OF THE DECK AS SHOWN.
2. THE SHED DEPICTED IS A GENERIC REPRESENTATION AND IS NOT INTENDED TO BE AN APPROVED DESIGN BY EAST GOSHEN TOWNSHIP OR THIS OFFICE. THE SHED SHALL BE DESIGNED BY A PROFESSIONAL IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL BUILDING CODE REQUIREMENTS.
3. ALL SHEDS SHALL BE APPROVED BY THE EAST GOSHEN TOWNSHIP BUILDING INSPECTOR.

SHED
STONE BASE DETAIL

PREPARED FOR

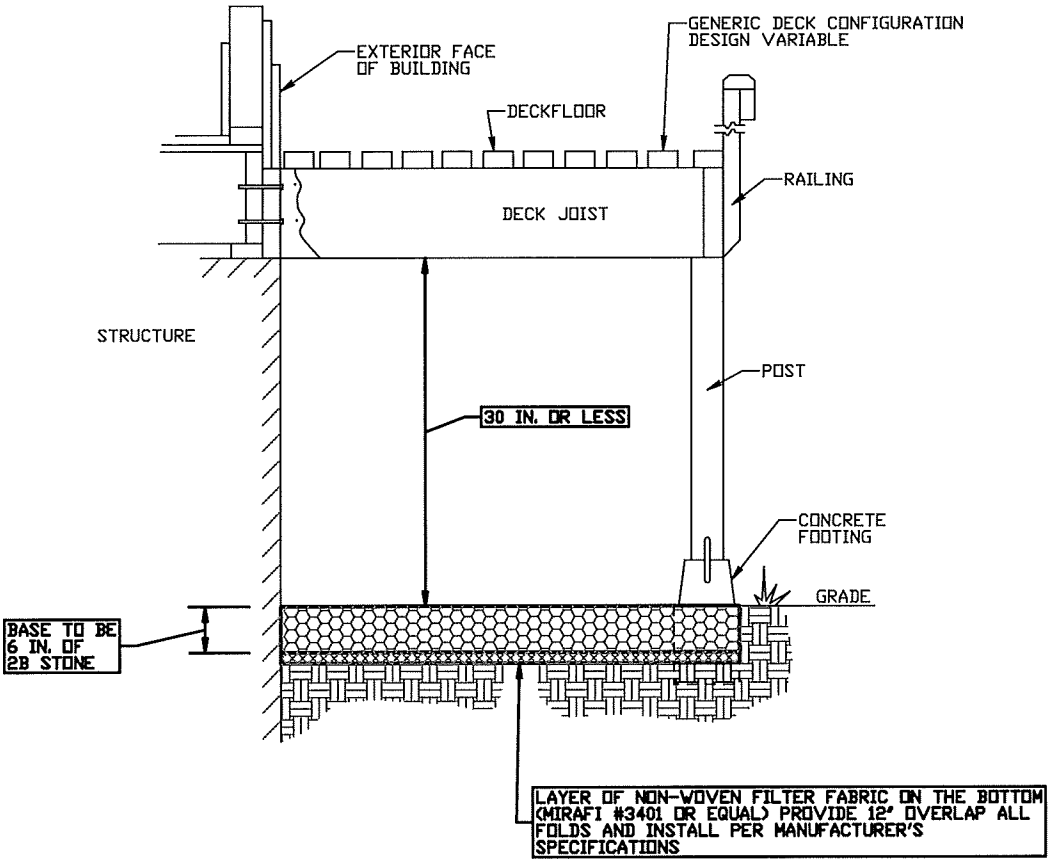
East Goshen Township

East Goshen Township Township * Chester County * Pennsylvania

PROJECT –	W-13-0310-01
DATE –	OCTOBER 21, 2013
SCALE –	NOT TO SCALE
DRAWN –	CEJ3
CHECKED –	MJC
CAD FILE	W-13-0310-01EGTdetails.pro
TAX PARCEL –	N/A
NOTEBOOK –	N/A
PLAN NO. –	N/A
SHEET NO. –	1

Yerkes
YERKES ASSOCIATES, INC.
CONSULTING ENGINEERS SITE PLANNERS SURVEYORS

FIGURE A.5



GENERAL NOTES

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3. ALL DECKS SHALL BE APPROVED BY THE EAST GOSHEN TOWNSHIP BUILDING INSPECTOR.

DECK
STONE BASE DETAIL

PREPARED FOR

East Goshen Township

East Goshen Township Township * Chester County * Pennsylvania

PROJECT –	W-13-0310-01
DATE –	OCTOBER 21, 2013
SCALE –	NOT TO SCALE
DRAWN –	CEJ3
CHECKED –	MC
CAD FILE	W-13-0310-01EGTdetails.pro
TAX PARCEL –	N/A
NOTEBOOK –	N/A
PLAN NO. –	N/A
SHEET NO. –	1

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YERKES ASSOCIATES, INC.
CONSULTING ENGINEERS SITE PLANNERS SURVEYORS