



CROSS SECTION

REVISIONS

CONDITIONS NOTES ABOVE.

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 ACCOMODATE 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% VOLD RATIO. LEAF SCREENS SHALL BE INSTALLED OVER THE GUTTERS OF THESE HOUSES OR LEAF DEFLECTOR GUARDS INSTALLED IN THE DOWNSPOUT OR OTHER APPROVED LEAF PROTECTION DEVICE.
- 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-M-03 AND SECTION 205-37.1 OF THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE.
- 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-M-03, SUBDIVISON AND LAND DEVELOPMENT ORDINANCE SECTIONS 205-37 F AND 205-69; CHAPTER 131 AND PADEP CHAPTER 102.

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) SHOULD 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 TH 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)

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 INTIAL CALCULATION. ANY VARIATIONS IN BED DIMENSIONS OR DESIGN THAN SHOWN SHALL BE APPROVED BY THE TOWNSHIP.

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

FIGURE A.3: INFILTRATION TRENCH DETAIL

PREPARED FOR

Thornbury Township

Thornbury Township Township * Chester County *

Pennsylvania

SCALE -NOT TO SCALE DRAWN -CEJ3 CHECKED -ThornburyTwp CAD FILE details.pro

W-13-0314-12

03-26-2014

TAX PARCEL -

N/A NOTEBOOK -N/A PLAN NO. -N/A

CONSULTING ENGINEERS

SITE PLANNERS

YERKES ASSOCIATES, INC.

SHEET NO. -**SURVEYORS**

PROJECT

DATE -