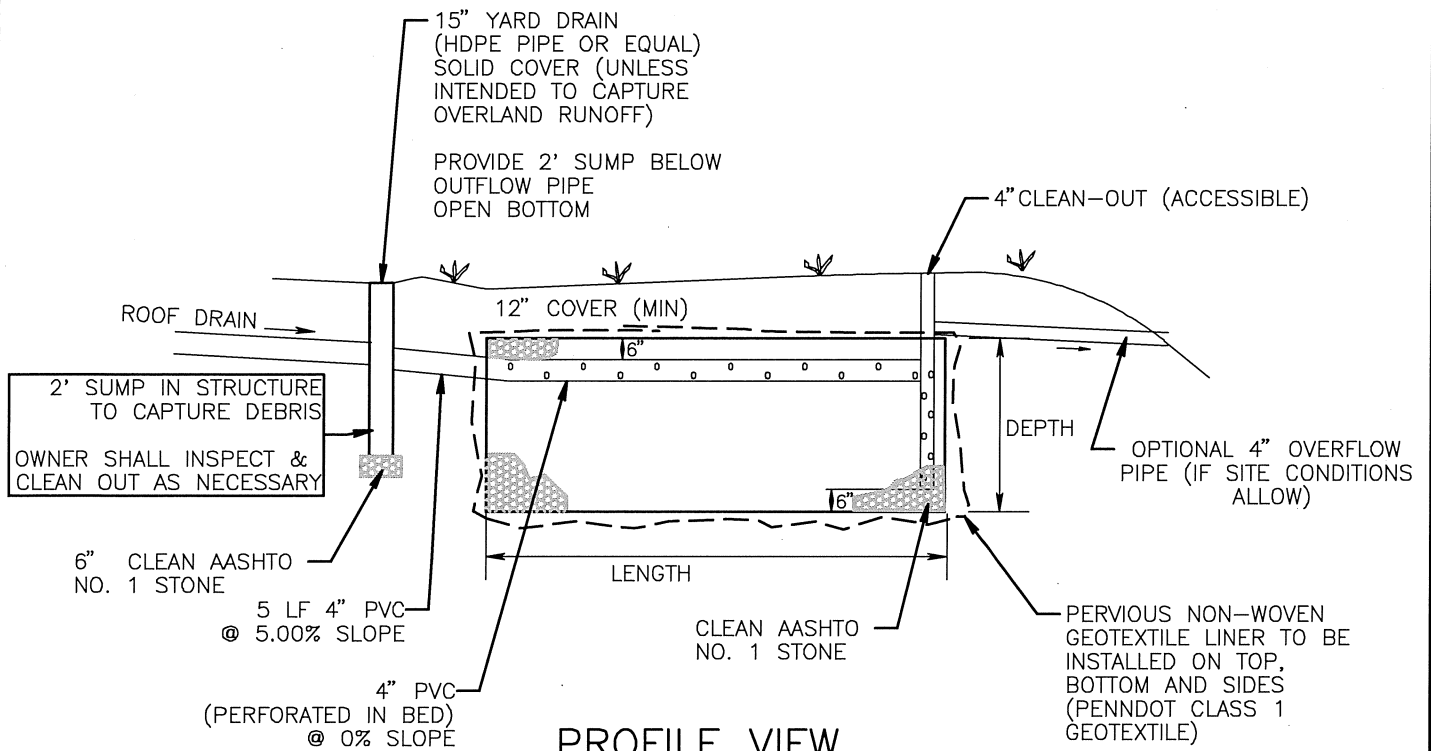


PLAN VIEW



PROFILE VIEW

NOTE: APPLICANT MUST CONTACT TOWNSHIP TO SCHEDULE INSPECTION PRIOR TO THE START OF CONSTRUCTION OF RECHARGE BED.

TYPICAL UNDERGROUND
STONE RECHARGE BED DETAIL

NOT TO SCALE

RECHARGE BED CONSTRUCTION SEQUENCE

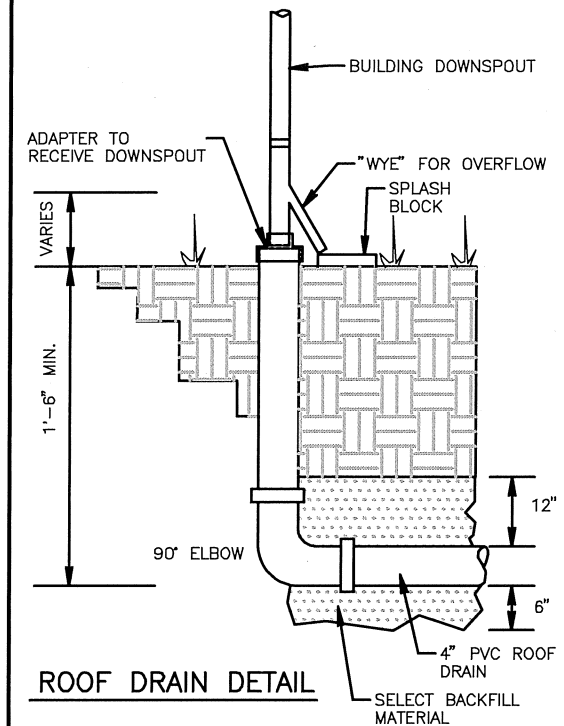
- EXCAVATE PROPOSED RECHARGE / INFILTRATION BED, BOTTOM OF BED TO BE SCARIFIED AND REMAIN UNCOMPACTED.

EXCAVATION FOR THE INFILTRATION FACILITY SHALL BE PERFORMED WITH EQUIPMENT THAT WILL NOT COMPACT THE BOTTOM OF THE INFILTRATION BED.

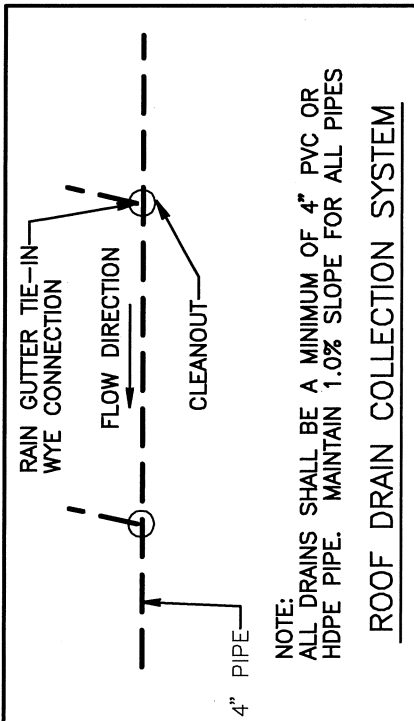
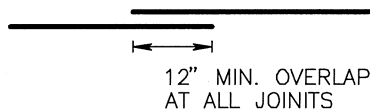
- CONTACT THE TOWNSHIP ENGINEER FOR AN INSPECTION.
- INSTALL GEOTEXTILE FABRIC ON ALL SIDES AND BOTTOM. A 12" MIN. OVERLAP AT ALL JOINTS MUST BE PROVIDED.
- INSTALL CLEAN AASHTO NO. 1 STONE.
- INSTALL PERFORATED STORM SEWER AS SHOWN ON DETAIL.
- CONTACT THE TOWNSHIP ENGINEER FOR AN INSPECTION.
- COVER PIPING WITH AASHTO NO. 1 STONE & INSTALL GEOTEXTILE FABRIC ON TOP OF STONE.

NOTES:

- THE RECHARGE / INFILTRATION AREA SHOULD BE PROTECTED DURING CONSTRUCTION ACTIVITIES FROM COMPACTION.
- DURING CONSTRUCTION AND AFTER CONSTRUCTION, THE INFILTRATION FACILITY MUST BE PROTECTED FROM SILT ENTERING TO THE SYSTEM. IF THE FACILITY IS INSTALLED PRIOR TO THE UPSLOPE AREA BEING FULLY STABILIZED, THE YARD DRAIN MUST BE SEALED OFF TO PREVENT RUNOFF FROM ENTERING INTO THE BED.



GEOTEXTILE JOINTS



STORMWATER INFILTRATION FACILITY GENERAL NOTES

- THE CONTRACTOR SHALL USE EXTREME CARE WHEN INSTALLING FILTER FABRIC AND STONE IN ORDER TO PREVENT SEDIMENT, SOIL OR OTHER CONTAMINATION OF STONE AND / OR SEEPAGE BED. STOCKPILED STONE UTILIZED FOR CONSTRUCTION SHALL BE PLACED ON FILTER FABRIC TO PREVENT CONTAMINATION.
- THE INSTALLATION OF THE STONE SHALL BE CHECKED BY THE DESIGN OR SITE ENGINEER PRIOR TO THE INSTALLATION OF THE SEEPAGE BED TO ENSURE THAT IT IS UNIFORMLY GRADED AND CLEAN WASHED AGGREGATE.
- APPROPRIATE MEASURES SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT ENTER INTO THE SEEPAGE BED. MEASURES SHALL INCLUDE A SUMP INLET SHALL BE INSTALLED UPSTREAM TO CAPTURE DEBRIS AND THE SEEPAGE BEDS SHALL NOT BE INSTALLED UNTIL ALL UPSTREAM DRAINAGE AREAS ARE STABILIZED.
- THE AREA FOR THE INFILTRATION FACILITIES SHALL BE ADEQUATELY PROTECTED WITH ORANGE CONSTRUCTION FENCE DURING CONSTRUCTION TO PREVENT CONSTRUCTION EQUIPMENT FROM ENTERING THE AREA OF THE FACILITY AND COMPACTING THE SUBGRADE.
- NO CONSTRUCTION EQUIPMENT SHALL BE PLACED WITHIN THE INFILTRATION BED. THE SUBSOIL MUST NOT BE COMPACTED.
- THE BOTTOM OF ALL SEEPAGE BED SHALL BE UNDISTURBED OR UNCOMPACTED SUBGRADE.
- IF UNFAVORABLE SOIL CONDITIONS ARE ENCOUNTERED DURING INSTALLATION OF THE ON-LOT INFILTRATION FACILITY (IE. BEDROCK OR GROUNDWATER), CONSTRUCTION IS TO STOP AND THE TOWNSHIP SHALL BE NOTIFIED. THE DESIGN SHALL BE MODIFIED AND APPROVED BY THE TOWNSHIP PRIOR TO THE COMMENCEMENT OF WORK.
- UPON STABILIZATION (UNIFORM 70% PERENNIAL VEGETATIVE COVER) WITHIN THE INFILTRATION BED DRAINAGE AREA, CONTACT THE TOWNSHIP ENGINEER AND CONSERVATION DISTRICT TO SCHEDULE AN INSPECTION OF THE BED CONSTRUCTION. A MINIMUM OF 48 HRS. NOTICE MUST BE PROVIDED TO THE INSPECTING AGENCY.
- UPON COMPLETION OF THE BED CONSTRUCTION, IMMEDIATELY STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEED MIX AND EROSION CONTROL BLANKET AS INDICATED ON THE PLANS.
- SEEPAGE BED SHALL BE SURROUNDED WITH A NON-WOVEN GEOTEXTILE (PERMEABLE FILTER FABRIC). THE FILTER FABRIC SHALL BE TYPAR FABRIC, STYLE 3341 OR APPROVED EQUAL.
- SEEPAGE BED FILTER FABRIC AND STONE SHOULD BE KEPT CLEAN OF SOIL/SEDIMENT DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL SEDIMENT HAS ENTERED ANY OF THE INFILTRATION SEEPAGE BEDS, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE BED ETC. AND OR REPLACEMENT OF THE FABRIC AND STONE) SHOULD BE ADDRESSED.
- INFLOW AND OUTFLOW POINTS INTO THE INDIVIDUAL ON-LOT SYSTEMS SHOULD BE KEPT CLEAR OF LEAVES AND OTHER DEBRIS. ANY LEAVES OR DEBRIS WILL NEGATIVELY IMPACT THE PERFORMANCE OF THESE SYSTEMS. ALL DOWNSPOUTS AND OVERFLOW PIPES SHOULD BE KEPT IN GOOD WORKING ORDER.