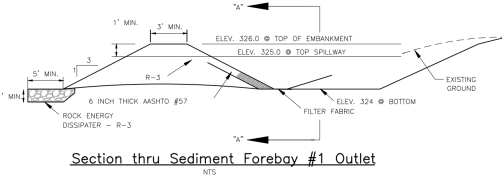


Infiltration Trench Notes & Construction Specifications.
 NOTE: A DRYWELL (INFILTRATION TRENCH) MAY NOT RECEIVE RUN-OFF UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA TO THE INFILTRATION SYSTEM HAS RECEIVED FINAL STABILIZATION.

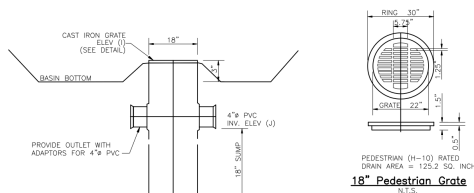
1. DURING CONSTRUCTION INFILTRATION BASINS WILL BE USED AS TEMPORARY SEDIMENT TRAPS. EXISTING CASE SHALL BE BACK TO PREVIOUS COMPACTION OF THE UNDERLYING SOILS TO THE GREATEST EXTENT POSSIBLE. EXCAVATION OF THE SEDIMENT TRAP AND SUBSEQUENT REMOVAL OF SEDIMENT SHALL BE UNDERTAKEN WITH THE LIGHTEST PRACTICAL EQUIPMENT. EXCAVATION EQUIPMENT SHOULD BE PLACED OUTSIDE OF THE LIMITS OF THE UNDERGROUND STONE INFILTRATION TRENCH.
2. UPON CONVERSION OF THE TEMPORARY SEDIMENT TRAP TO THE PERMANENT INFILTRATION BASIN, ADDITIONAL PERC TESTS SHALL BE PERFORMED AT THE ELEVATION OF THE BOTTOM OF STONE. PERC RATES SHALL BE EQUIVALENT TO OR GREATER THAN THE DESIGN VALUES. IF PERC RESULTS ARE LESS THAN THE DESIGN VALUE, THE DESIGN ENGINEER SHALL BE CONSULTED REGARDING MODIFICATIONS TO THE DESIGN OF THE INFILTRATION BASIN.
3. INSTALL AND MAINTAIN PROPER EROSION AND SEDIMENTATION CONTROL MEASURES DURING THE CONVERSION OF THE SEDIMENT TRAP TO INFILTRATION BASIN AS PER THE PENNSYLVANIA EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL (MARCH 2000 LATEST EDITION). INSTALL SILT FENCING ACROSS ENTIRE DOWNSLOPE SECTION OF BASIN BEFORE THE BASIN IS FULLY STABILIZED. TO MINIMIZE THE CONTAMINATION OF STONE WITH SEDIMENT, THE INSTALLATION OF THE INFILTRATION BED SHALL BE PERFORMED IN A 24 HOUR PERIOD WHEN THERE IS NO PRECIPITATION IN THE FORECAST.
4. EXCAVATE THE INFILTRATION TO THE DESIGN DIMENSIONS. EXCAVATED MATERIALS SHALL BE PLACED AWAY FROM THE SIDES TO ENHANCE WALL STABILITY. LARGE TREE ROOTS MUST BE REMOVED FLUSH WITH THE DRYWELL. INFILTRATION TRENCHES/DESIGNS IN ORDER TO PREVENT FABRIC PUNCTURING OR TEARS OF THE FILTER FABRIC DURING SUBSEQUENT INSTALLATION PROCEDURES. THE SIDE WALLS AND BOTTOM OF DRYWELL SHALL BE ROUGHENED WHERE SHEARED AND SEALED BY EQUIPMENT. NOTE: IF UNFAVORABLE CONDITIONS SUCH AS BEDROCK OR GROUNDWATER ARE ENCOUNTERED, CONTACT THE DESIGN ENGINEER IMMEDIATELY TO FIND AN ALTERNATE LOCATION FOR SEEPAGE BED.
5. A 4 INCH LAYER OF PA DEP SAND SHALL BE PLACED ALONG THE BOTTOM.
6. A HIGHLY PERMEABLE NONWOVEN GEOTEXTILE OR BETTER SHALL BE PLACED AT THE INTERFACE BETWEEN THE DRYWELL SIDEWALLS AND ALONG THE TOP.

THE WIDTH OF THE GEOTEXTILE MUST INCLUDE SUFFICIENT MATERIAL TO CONFORM TO DRYWELL PERIMETER IRREGULARITIES AND FOR A 12-INCH MINIMUM TOP OVERLAP. STONES OR OTHER ANCHORING OBJECTS SHOULD BE PLACED ON THE FABRIC AT THE EDGE AND BOTTOM OF THE DRYWELL TO KEEP THE DRYWELL (INFILTRATION TRENCH) OPEN DURING WINDY PERIODS. WHEN OVERLAPS ARE REQUIRED BETWEEN ROLLS THE UNROLL ROLL SHOULD LAP A MINIMUM OF 2 FEET OVER THE DOWNHILL ROLL IN ORDER TO PROVIDE A SHINGLED EFFECT.

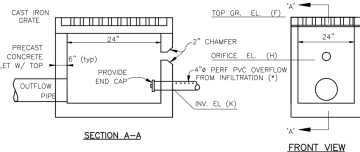
7. THE STONE AGGREGATE SHOULD BE PLACED IN A MAXIMUM LOOSE LIFT THICKNESS OF 24 INCHES AND COMPACTED LIGHTLY. THE AGGREGATE SHALL BE DOUBLE WASHED ASHTO #1. THE STONE SHALL BE INSPECTED BY THE SITE OR DESIGN ENGINEER PRIOR TO INSTALLATION.
8. PLACE BASIN DRAIN AND 4 INCH PERFORATED PVC DISTRIBUTION PIPES.
9. CARE SHALL BE EXERCISED TO PREVENT NATURAL OR FILL SOILS FROM INTERMIXING WITH THE STONE AGGREGATE. ALL CONTAMINATED STONE AGGREGATE SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED STONE AGGREGATE.
10. IMMEDIATELY FOLLOWING THE STONE AGGREGATE PLACEMENT, THE FILTER FABRIC SHALL BE FOLDED OVER THE STONE AGGREGATE TO FORM A 12-INCH MINIMUM LONGITUDINAL LAP.
11. VOIDS THAT MAY OCCUR BETWEEN THE FABRIC AND THE EXCAVATED SIDES SHALL BE AVOIDED. REMOVING BOULDER OR OTHER OBSTACLES FROM THE SIDE WALLS IS ONE SOURCE OF SUCH VOIDS. THEREFORE, NATURAL SOILS OR SAND SHOULD BE PLACED IN THESE VOIDS AT THE MOST CONVENIENT TIME DURING CONSTRUCTION TO ENSURE FABRIC CONFORMITY TO THE EXCAVATED SIDES.
12. VERTICALLY EXCAVATED WALLS MAY BE DIFFICULT TO MAINTAIN IN AREAS WHERE SOIL MOISTURE IS HIGH OR WHERE SOFT COHESIVE OR COHESIONLESS SOILS ARE DOMINANT. THESE CONDITIONS MAY REQUIRE LAYING BACK OF THE SIDE SLOPES TO MAINTAIN STABILITY. EXTRA EXCAVATION FOR THIS CONDITION SHALL BE BACKFILLED WITH STONE.
13. THE OBSERVATION WELL IS TO CONSIST OF 4-INCH DIAMETER PERFORATED PVC SCHEDULE 40 PIPE (M278 OR F758, TYPE PS 28) WITH A CAP SET 6 INCHES ABOVE GROUND LEVEL. THE PIPE SHALL HAVE A PLASTIC COLLAR WITH RIBS TO PREVENT ROTATION WHEN REMOVING THE CAP. THE SCREEN TOP (LID) SHALL BE A CLEANOUT WITH A LOCKING MECHANISM OR SPECIAL BOLT TO DISCOURAGE VANDALISM. THE DEPTH TO THE INVERT SHALL BE MARKED ON THE LID. THE PIPE SHALL BE PLACED VERTICALLY WITH THE DRAINAGE PORTION OF THE DRYWELL (INFILTRATION TRENCH) AND A CAP PROVIDED AT THE BOTTOM OF THE PIPE. THE BOTTOM OF THE CAP SHALL REST ON THE USB BOTTOM.
14. DRYWELL (INFILTRATION TRENCH) SHALL BE BACK FILLED WITH A PERVIOUS PLANTING SOIL COMPRISED OF NO MORE THAN 20 PERCENT TOPSOIL, 30 PERCENT SAND AND 20 PERCENT COMPOST. TOTAL CLAY CONTENT SHALL NOT EXCEED 20 PERCENT.



Section thru Sediment Forebay #1 Outlet
 N.T.S.

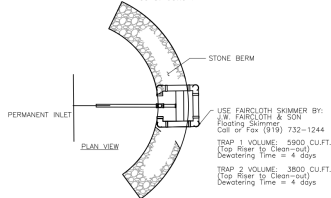


18\"/>



Basin Concrete Riser Structure
 N.T.S.

* NOTE: DURING CONSTRUCTION USE 4\"/>

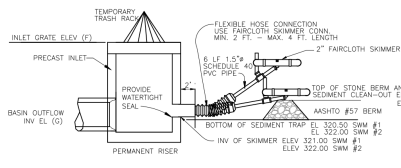


Sediment Trap Details

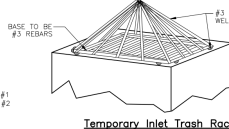
STR#	TEMPORARY			TEMPORARY			TEMPORARY			TEMPORARY			TEMPORARY			TEMPORARY		
	TOP OF BERM ELEV. (A)	TOP OF BERM ELEV. (AT)	EMERGENCY SPILLWAY ELEV. (B)	BOTTOM BASIN ELEV. (C)	BOTTOM SED TRAP ELEV. (CT)	CLEAN OUT ELEV. (CL)	TOP OF STONE ELEV. (D)	BOTTOM OF STONE ELEV. (E)	RISE CRIST ELEV. (F)	PIPE IN ELEV. (G)	PIPE OUT ELEV. (H)	ORIFICE TYPE	OUTFALL PIPE LENGTH (FT)	PIPE SIZE	SCOPE (%)	GRATE ELEV. (I)	PIPE ELEV. (J)	4\"/>

Trap #1	324.75	325.05	324.00	322.00	320.50	321.00	323.75	323.50	320.25	321.75	321.50	ORIFICE	25 LF	15\"/>
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Trap #2	326.70	327.00	326.00	323.50	322.00	321.00	323.75	323.50	320.25	321.75	321.50	ORIFICE	25 LF	15\"/>
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Section - Temporary Skimmer to Basin Riser
 N.T.S.



Temporary Inlet Trash Rack
 N.T.S.

NO.	DATE	REVISION
1	8/26/11	REV. PER TOWNSHIP ENGINEER REVIEW LETTER DATED 7/9/11.
2	5/16/11	DRAWING LOCATION FOR LOTS 2 & 3 MOVED 75' WEST.
3	2/25/07	FINAL PLAN
4	1/1/07	AS PER TWP & CCCC REVIEW



FINAL SITE DETAILS

PLAN OF PROPERTY FOR

HETTIE HERZOG

WEST VINCENT TOWNSHIP
Edward B. Walsh & Associates, Inc.
 CIVIL ENGINEERS & SURVEYORS
 225 South Main Street
 Exton, Pennsylvania 19341
 Phone: 610-364-0800
 Fax: 610-903-0800

PROJECT #3647
 DATE: 10-5-10
 SCALE: AS NOTED
 DRAWING: ASH
 CHECKED: TAG
 SHEET: 6 OF 8

Plotted: 4/18/2015
 File: F:\18\3647\DWG\SHEETS\6 SITE DETAILS.DWG