

TS TEMPORARY SEEDING SPECIFICATIONS

PS PERMANENT SEEDING SPECIFICATIONS



Source: Va. DSWC

Diagram illustrating a runoff water treatment system. The system includes a runoff water inlet with sediment, a sediment trap, a gravel layer (12" depth), and a series of vertical filters (WIRP MFSH). The diagram shows the flow of water and sediment through the system.

SPECIFIC APPLICATION

This method of inlet protection is applicable where heavy concentrated flows are expected, but not where ponding around the structure might cause excessive inconvenience or damage to adjacent structures and unprotected areas.

* Gravel shall be VDOT #3, #357 or #5 coarse aggregate.

(IP) GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

NOTE: THIS COST ESTIMATE TABLE IS PROVIDED FOR BONDING PURPOSES ONLY. VERIFICATION OF ALL QUANTITIES AND PRICES FOR BIDDING PURPOSES SHALL BE THE RESPONSIBILITY OF THE BIDDER.



The diagram illustrates the construction of a stake and staple assembly. It includes three main views: a side view of the stake, a top view of the staple, and a cross-sectional view of the assembly. The stake is a triangular shape with a base of 3-1/4" and a height of 10" MIN. The staple is a U-shaped metal piece with a width of 1" and a height of 6". The cross-sectional view shows the stake and staple joined by a 1/8" DIA. STEEL PIN. A 2" DIA. WASHER is placed between the stake and the staple. A circle with the text 'B/M' is also shown.

1x4 TRIANGULAR SURVEY STAKE
10" IN LENGTH. PLACEMENT OF
STAKE TO FOLLOW THE FLOW OF THE WATER
TO PROVIDE A "PHYSICAL EFFECT
LOW THE VELOCITY."

11 GAUGE STEEL - MINIMUM 1"
IN LENGTH STEEL STAPLE - 1/2"
MAY BE REQUIRED IN CERTAIN

STEEL PINS - 3/16" DIAMETER
18" LONG MINIMUM

SOURCE: PRODUCT LITERATURE FROM GREENSTREAK, INC.

PLATE: 3.36-3

[illegible]

SOURCE: VDOT ROAD AND BRIDGE STANDARDS

PLATE: 3.36-2

C. When applying maintenance fertilizer on established sod,

FERTILIZER SPECIFICATIONS AND RATES FOR MANAGEMENT



- GENERAL NOTES:

1. ACTUAL SIZE TO BE DETERMINED IN FIELD. A MINIMUM OF 10' WIDE BY 10' LONG AND SIZED TO CONTAIN ALL LIQUID AND SOLID WASTE. A MINIMUM OF 12" FREEBOARD SHALL BE INCLUDED.
2. THE CONCRETE WASHOUT SHALL NOT BE PLACED WITHIN 50' OF ANY STORM DRAINS.
3. EXCESS AND SLUMP TEST SOLIDS SHALL BE PLACED ON PLASTIC LINER UNTIL HARDENED. CONTRACTOR MAY CONSIDER INSTALLING WIRE OR REBAR HOOD FOR LATER PICKUP REMOVAL.
4. INSPECTORS SHALL USE THE WASHOUT FACILITY OR PLASTIC FOR CLEANING OF THEIR TOOLS.

- MAINTENANCE NOTES:

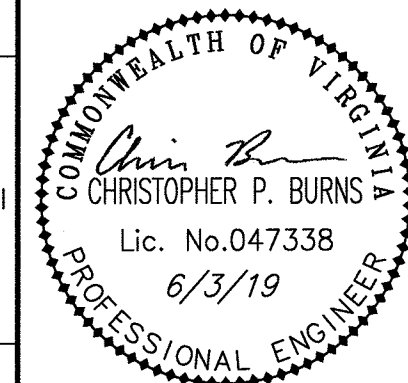
- MAINTENANCE NOTES**
1. CHECK ALL CONCRETE WASHOUT FACILITIES DAILY TO DETERMINE IF THEY HAVE BEEN FILLED TO 75% CAPACITY. THE FACILITY SHALL BE CLEANED OUT OR CHANGED WHEN 75% FULL.
 2. INSPECT LINERS DAILY TO ENSURE THAT LINERS ARE INTACT AND SIDEWALLS HAVE NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. LINERS SHALL BE REPLACED IF THERE ARE HOLES OR TEARS OBSERVED.
 3. CONCRETE WASTE SHALL BE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN. THE HARDENED CONCRETE SHALL BE BROKEN UP AND DISPOSED OF OFFSITE PER APPLICABLE VAQ RULES AND REGULATIONS. LIQUIDS SHALL NOT BE DISCHARGED DIRECTLY INTO WATERWAYS, STORM DRAINS, SINKS, OR DIRECTLY ONTO THE GROUND.
 4. REMOVE LIQUIDS OR COVER STRUCTURE BEFORE PREDICTED STORMS TO PREVENT OVERFLOWS.
 5. INSTALL A NEW PLASTIC LINER AFTER EVERY CLEANING.



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HAVEN TECHNOLOGY PARK

RASTRUCTURE IMPROVEMENTS

ESC DETAILS

CATAWBA DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY CPB
DESIGNED BY CPB
CHECKED BY SMH
DATE 2/25/2019

REVISIONS:
4/18/2019
5/16/2019

SHEET NO.
C7
JOB NO. 04180095.00