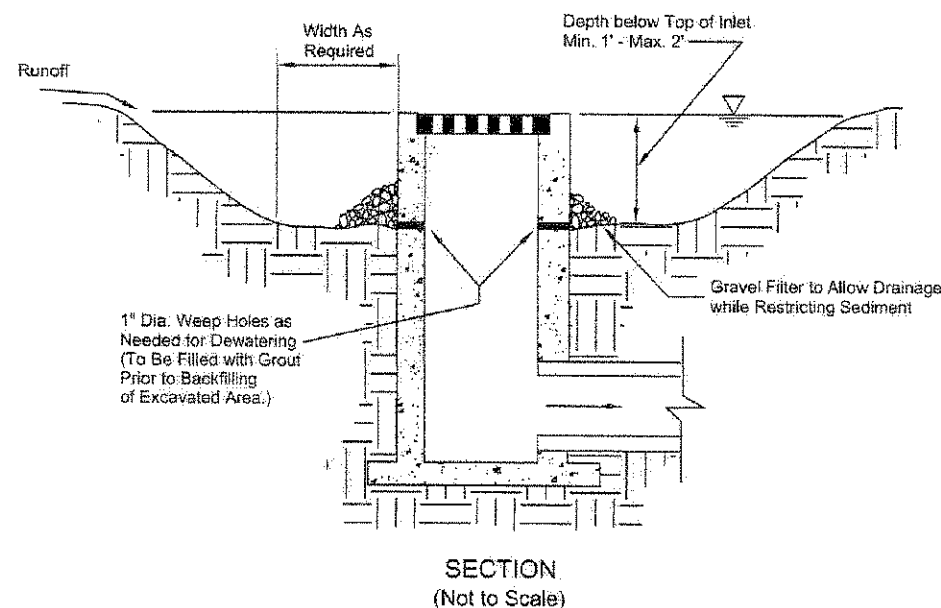


Specifications
for
Excavated Drop Inlet Sediment Protection



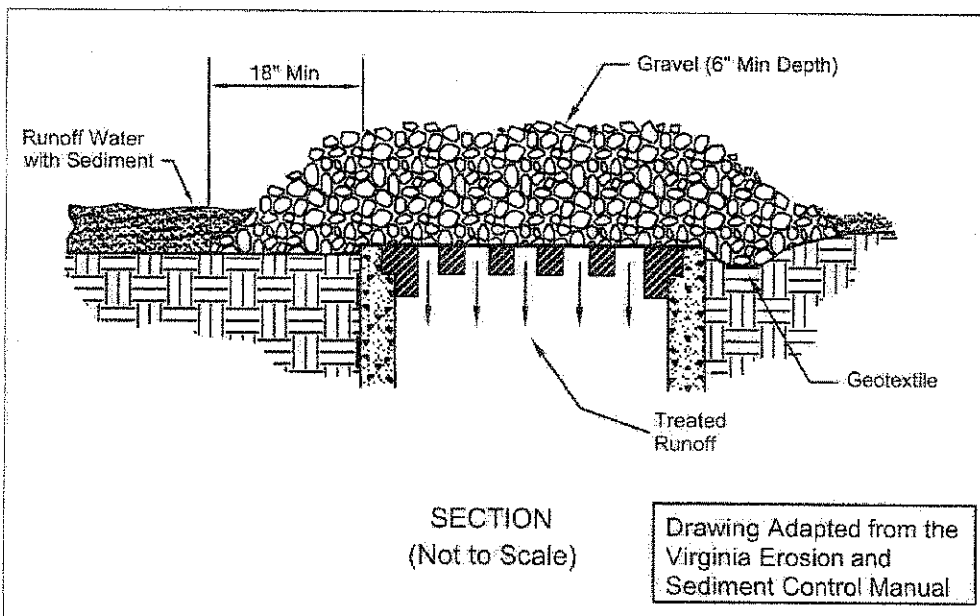
1. The excavated trap should be sized to provide a minimum storage capacity calculated at the rate of 135 cubic yards for one (1) acre of drainage area. A trap should be no less than one (1) foot, nor more than two (2) feet deep measured from the top of the inlet structure. Side slopes should not be steeper than 2:1.
2. The slopes of the trap may vary to fit the drainage area and terrain.
3. Where the area receives concentrated flows, such as in a highway median, provide the trap with a shape having a 2:1 ratio of length to width, with the length oriented in the direction of the flow.
4. Sediment should be removed and the trap restored to the original depth when the sediment has accumulated to 40% the design depth of the trap. Removed sediment should be spread in a suitable area and stabilized so it will not erode.
5. During final grading, the inlet should be protected with geotextile-stone inlet protection. Once final grading is achieved, sod or a suitable temporary erosion control material shall be implemented to protect the area until permanent vegetation is established.

INFORMATION OBTAINED FROM THE 2006
EDITION OF THE STATE OF OHIO'S "RAINWATER
AND LAND DEVELOPMENT MANUAL".

Larry Luffrich
CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING			
EXCAVATED DROP INLET SEDIMENT PROTECTION			
SCALE: NOT TO SCALE			SWP-19
DATE: 10/01/08		DRWN BY: JAB/TEB	

Specifications
for
Geotextile-Stone Inlet Protection



1. Inlet protection shall be constructed either before upslope land disturbance begins or before the inlet becomes functional.
2. Geotextile and/or wire material shall be placed over the top of the storm sewer and approximately six (6) inches of 2-inch or smaller clean aggregate placed on top. Extra support for geotextile is provided by placing hardware cloth or wire mesh across the inlet cover. The wire should be no larger than 1/2" mesh and should extend an extra 12 inches across the top and sides of the inlet cover.
3. Maintenance must be performed regularly, especially after storm events. When clogging of the stone or geotextile occurs, the material must be removed and replaced.

INFORMATION OBTAINED FROM THE 2006
EDITION OF THE STATE OF OHIO'S "RAINWATER
AND LAND DEVELOPMENT MANUAL".

Larry Luffrich
CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING			
GEOTEXTILE-STONE INLET PROTECTION			
SCALE: NOT TO SCALE			SWP-20
DATE: 10/01/08	DRWN BY: JAB/TEB		