

STORM WATER WITH LARGER PARTICLES REMOVED

.. Michigan Soil Erosion and Sediment

Control Guidebook, 1975, and USDA-SCS

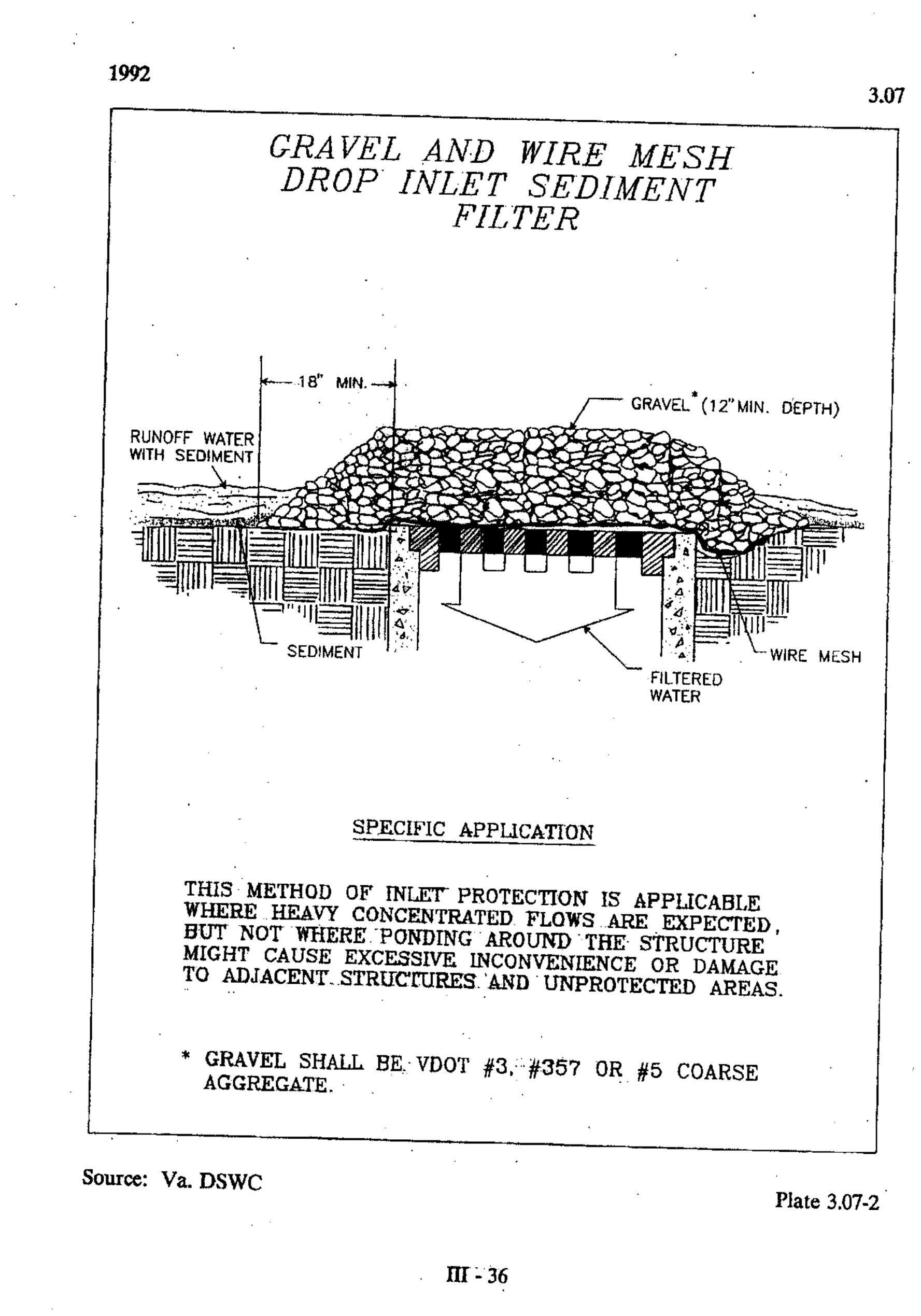
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPABILITY AND EASE OF MAINTENANCE ARE DESIRABLE.

- LARGER PARTICLES

Plate 3.07-4

SETTLE OUT



SOD DROP INLET SEDIMENT

FILTERED WATER

Plate 3.07-5

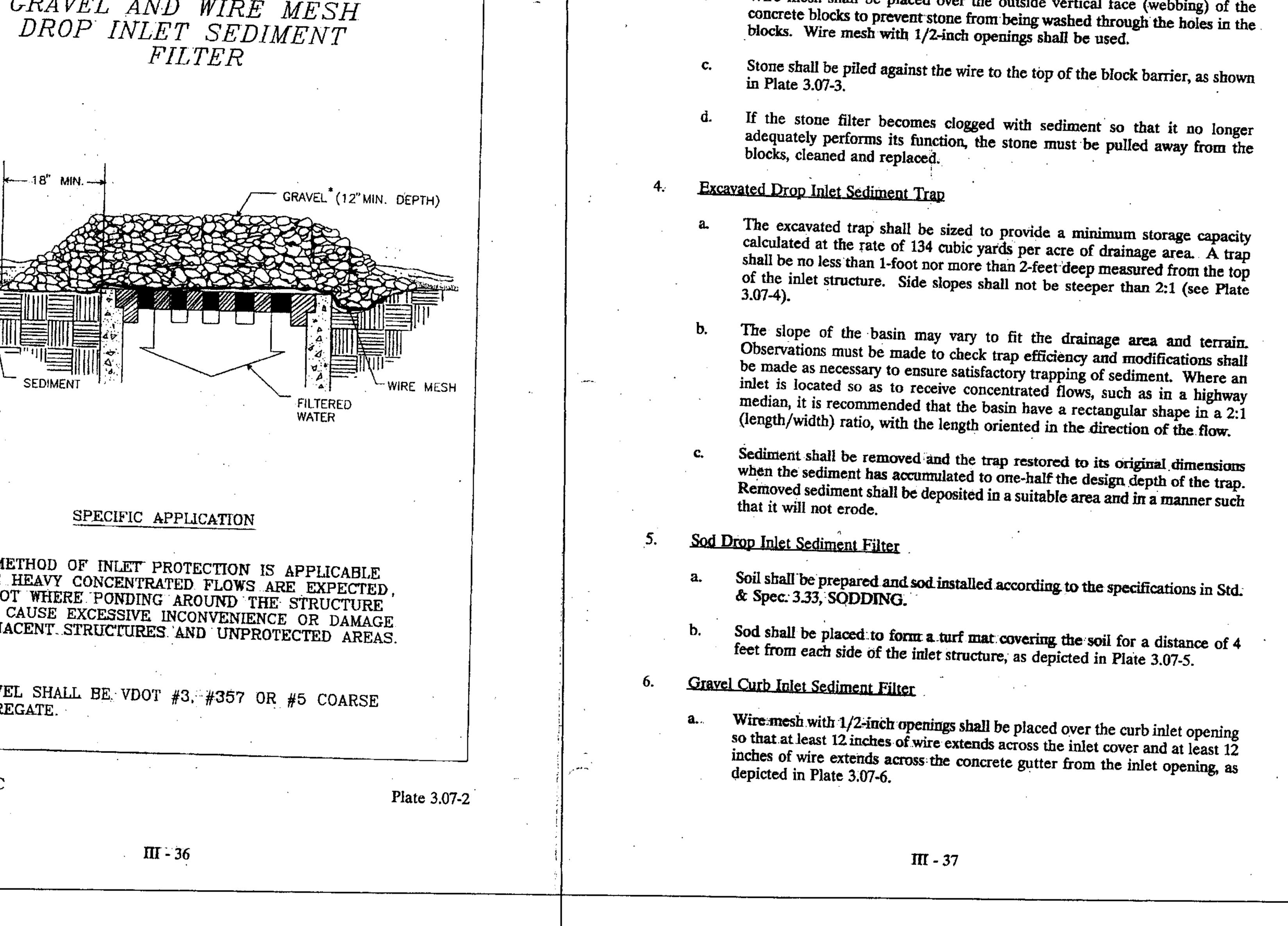
FILTER

SPECIFIC APILLICATION

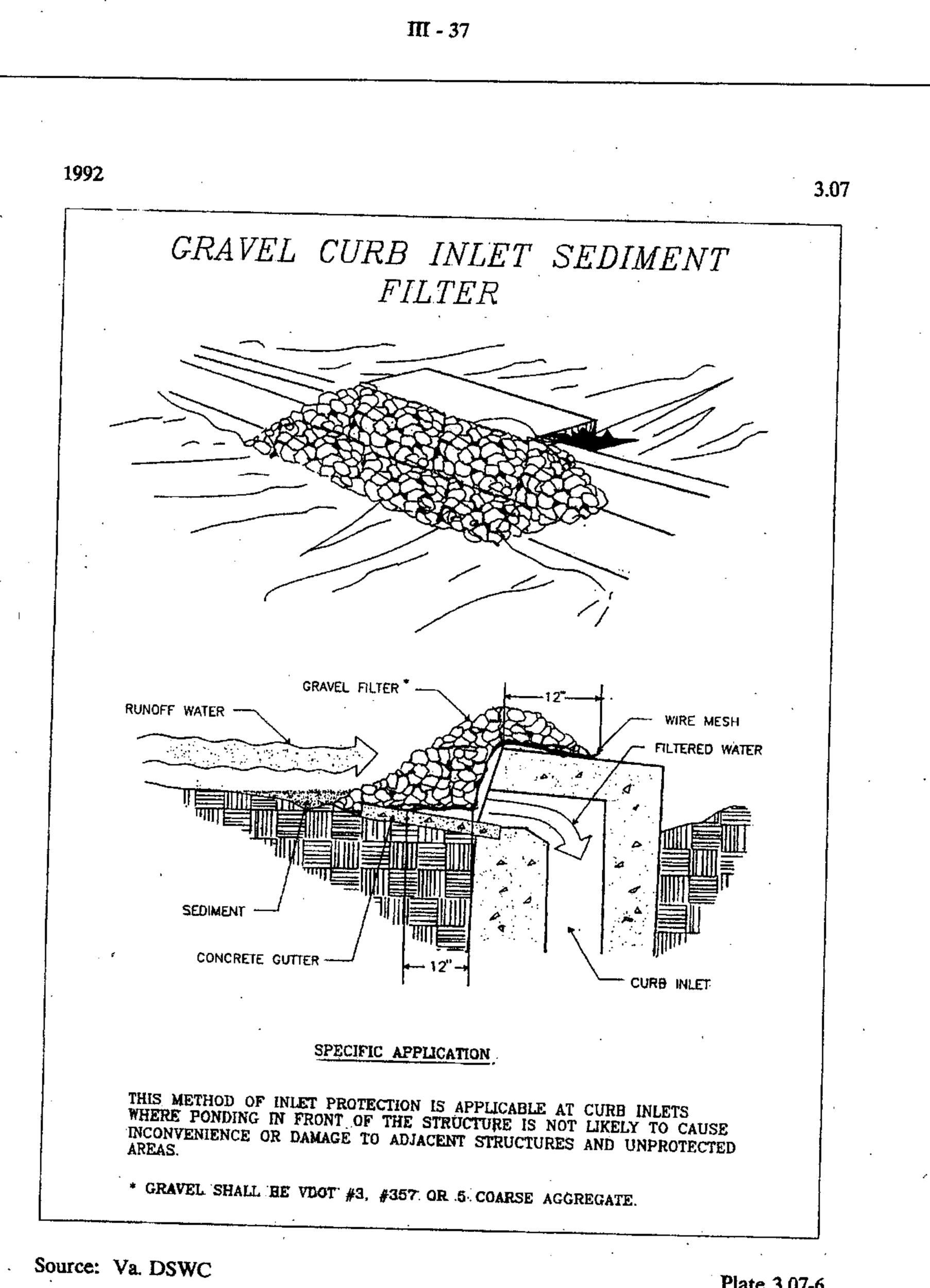
THIS METHOD OF INLET PROTECTION IS APPPLICABLE ONLY AT THE TIME OF PERMANENT SEEDING, TO PROTECT THE INLET FROM SEDIMENT AND MULCH MATERIAL UNTIL PERMANENT VEGETATION HAS BECOME ESTABLISHED.

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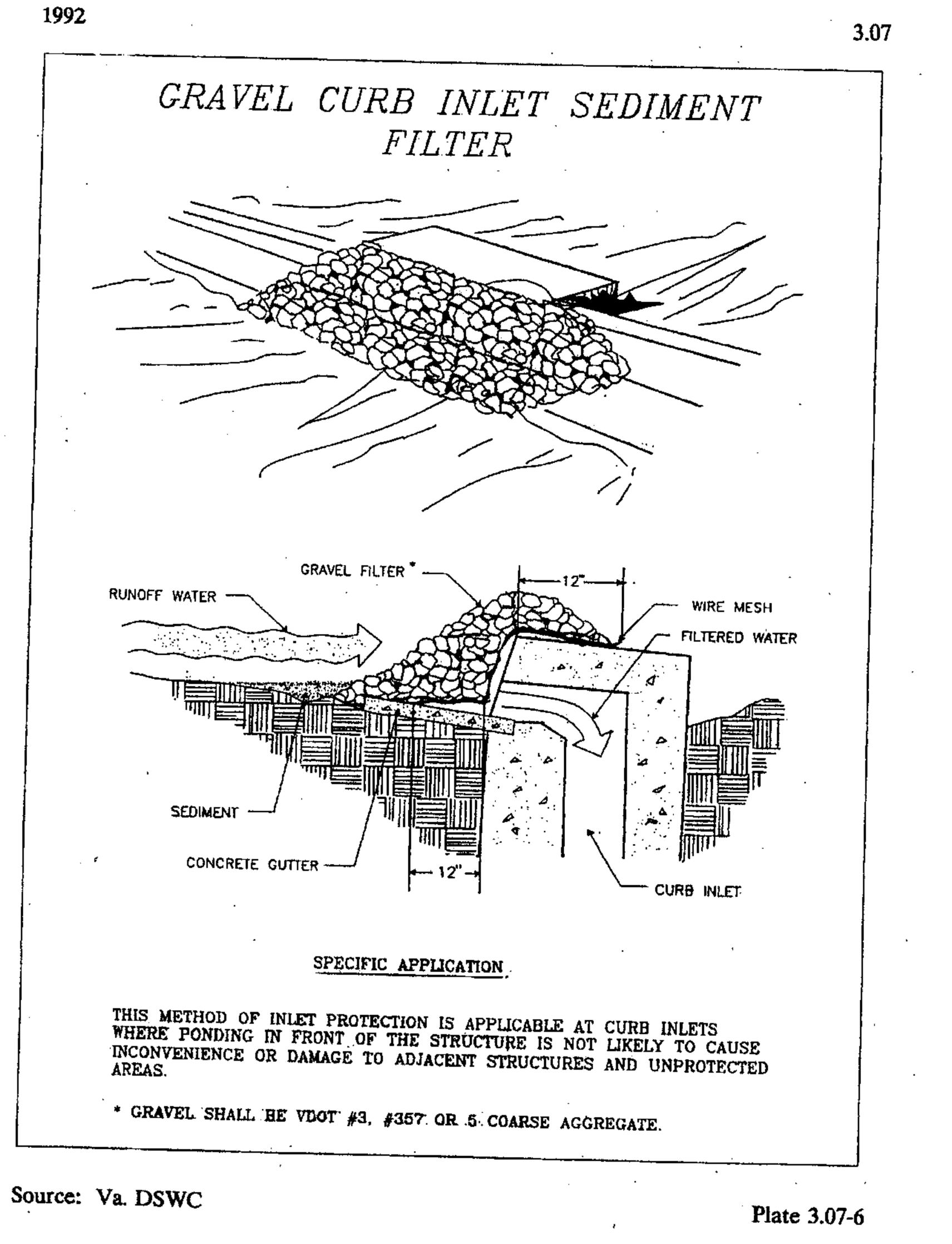
Source: Va. DSWC



1992



Wire mesh shall be placed over the outside vertical face (webbing) of the



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BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER CONCRETE BLOCK SPECIFIC APPLICATION THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

Plate 3.07-3

3.07 Stone shall be piled against the wire so as to anchor it against the gutter and inlet cover and to cover the inlet opening completely.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the block, cleaned and replaced.

Curb Inlet Protection with 2-inch x 4-inch Wooden Weir

Source: Va. DSWC

Attach a continuous piece of wire mesh (30-inch minimum width x inlet throat length plus 4 feet) to the 2-inch x 4-inch wooden weir (with a total length of throat length plus 2 feet) as shown in Plate 3.07-7. Wood should be "construction grade" lumber

Place a piece of approved "extra-strength" filter cloth of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2-inch x 4-inch

Securely nail the Z-inch x 4-inch weir to the 9-inch long vertical spacers which are to be located between the weir and inlet face at a maximum 6-foot

Place the assembly against the inlet throat and nail 2-foot (minimum) lengths of 2-inch x 4-inch board to the top of the weir at spacer locations. These 2inch x 4-inch anchors shall extend across the inlet tops and be held in place by sandbags or alternate weight.

The assembly shall be placed so that the end spacers are a minimum 1 foot beyond both ends of the throat opening.

Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place coarse aggregate over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.

This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment

Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

Block and Gravel Curb Inlet Sediment Filter:

Two concrete blocks shall be placed on their sides abutting the curb at either side of the inlet opening.

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PER COUNTY COMMENTS REVISED:

REVISED:

L V design group Engineering Surveying & Land Planning

PROJECT OFFICE:

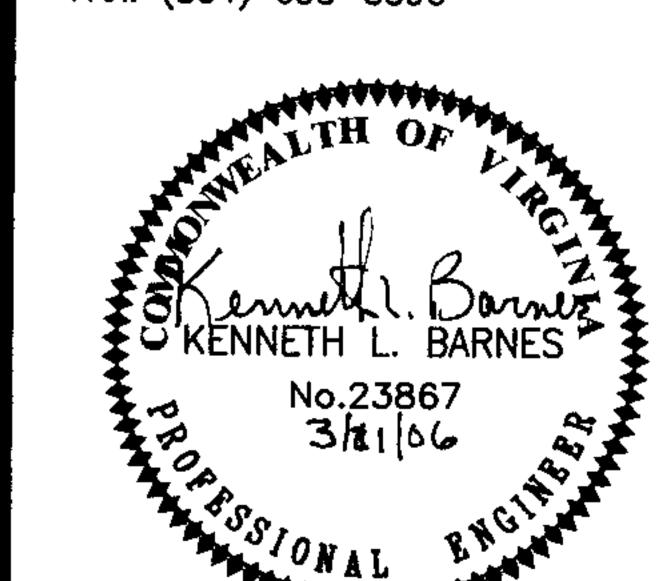
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Waterside

Condominiums

Bland District Prince George County, Virginia

SHEET: Erosion Control

Details SHEET NO: