

WESTERN VIRGINIA WATER AUTHORITY

ESC DETAILS:

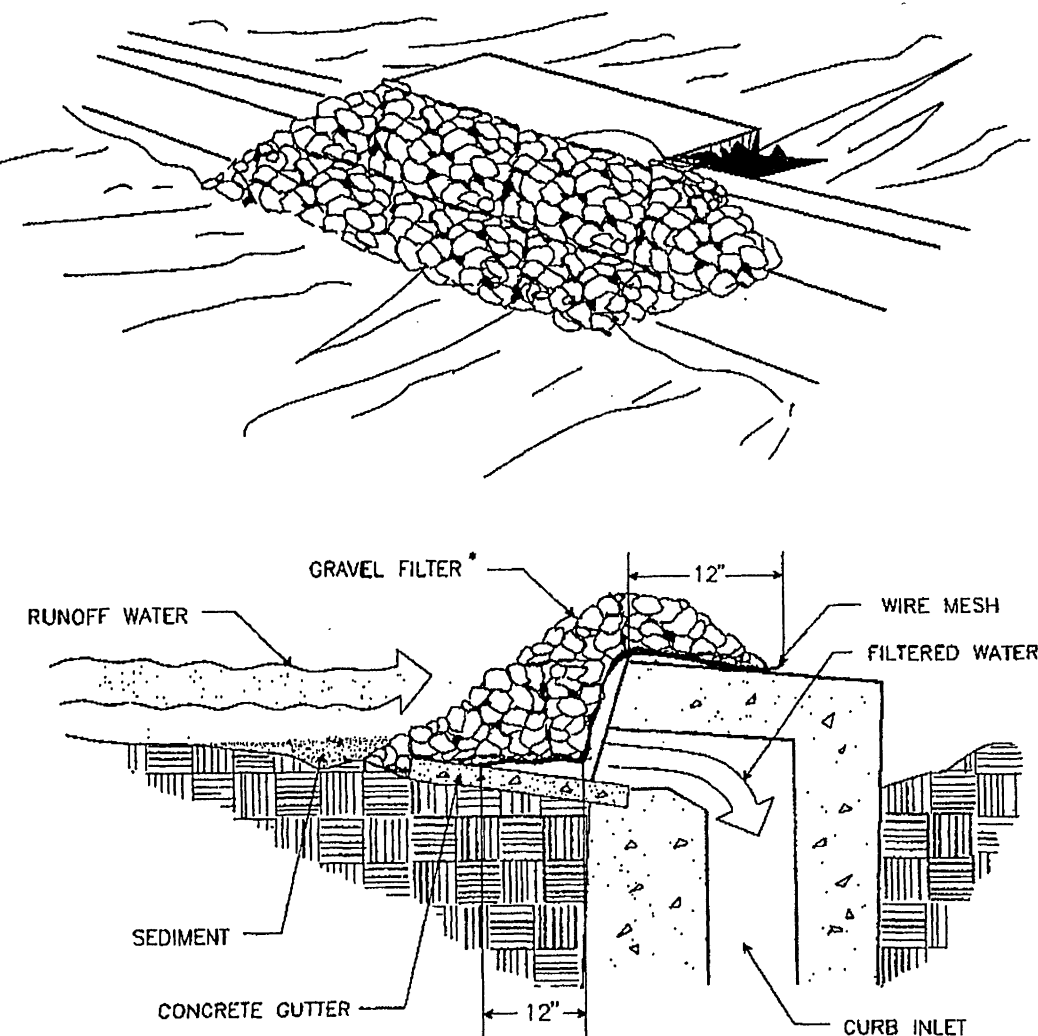
1992

3.07 1992

3.07 1992

3.07

GRAVEL CURB INLET SEDIMENT FILTER

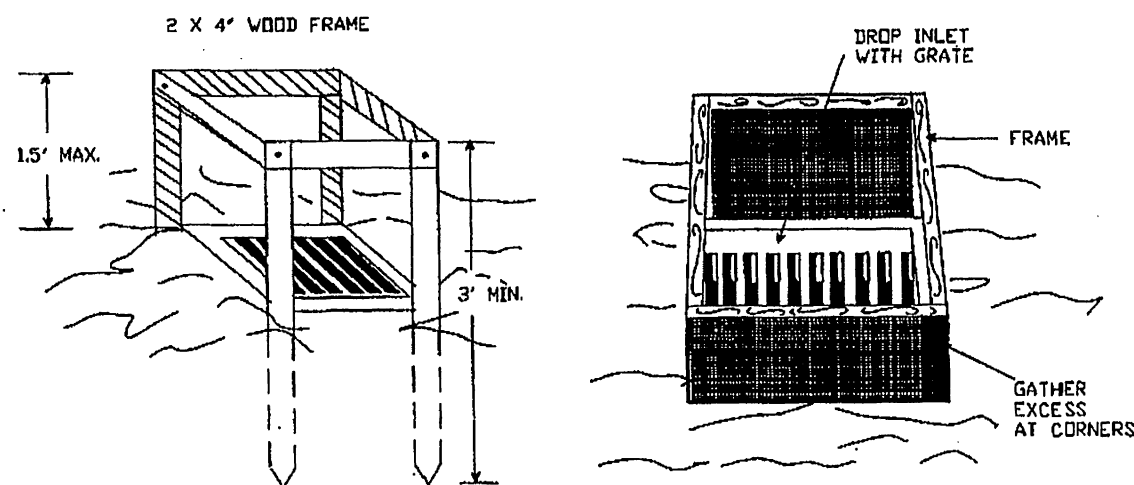


SPECIFIC APPLICATION

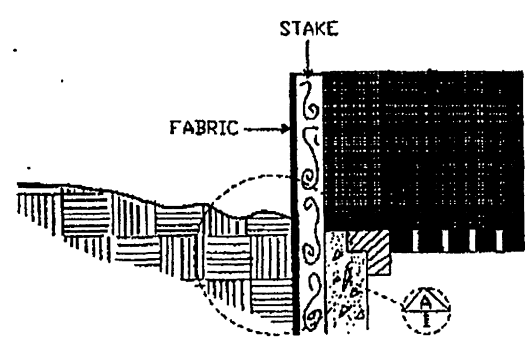
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

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

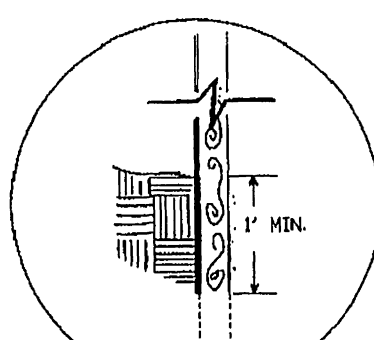
SILT FENCE DROP INLET PROTECTION



PERSPECTIVE VIEWS



ELEVATION OF STAKE AND FABRIC ORIENTATION

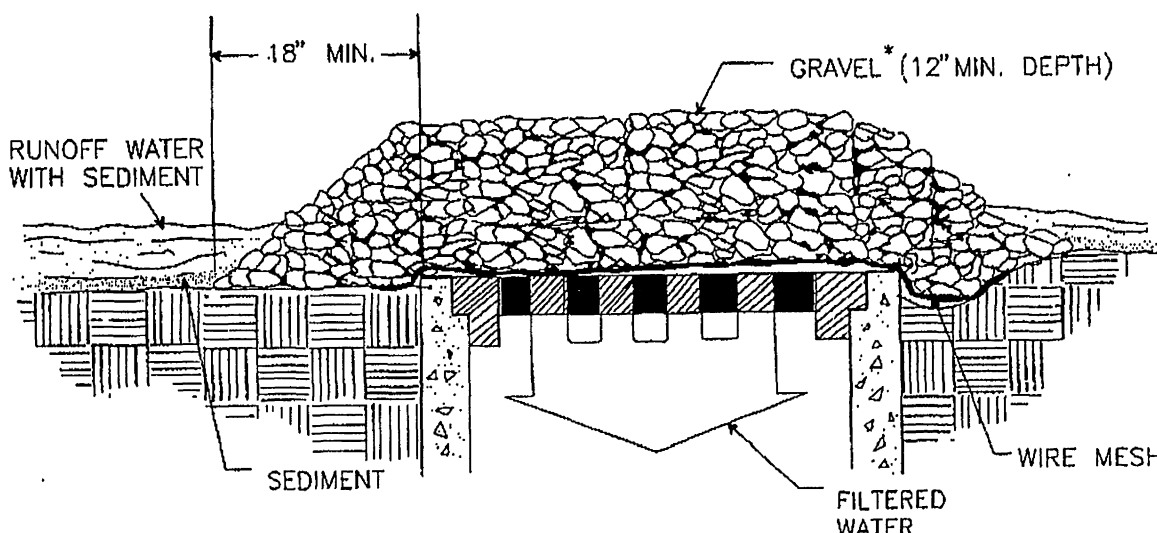


DETAIL A

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

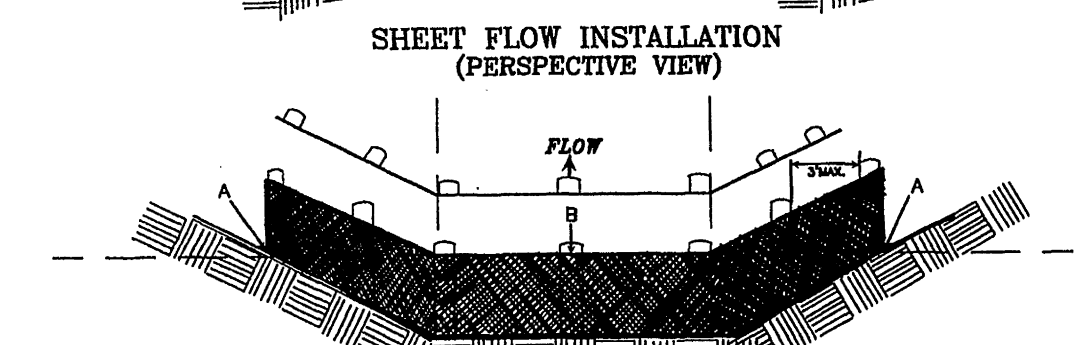
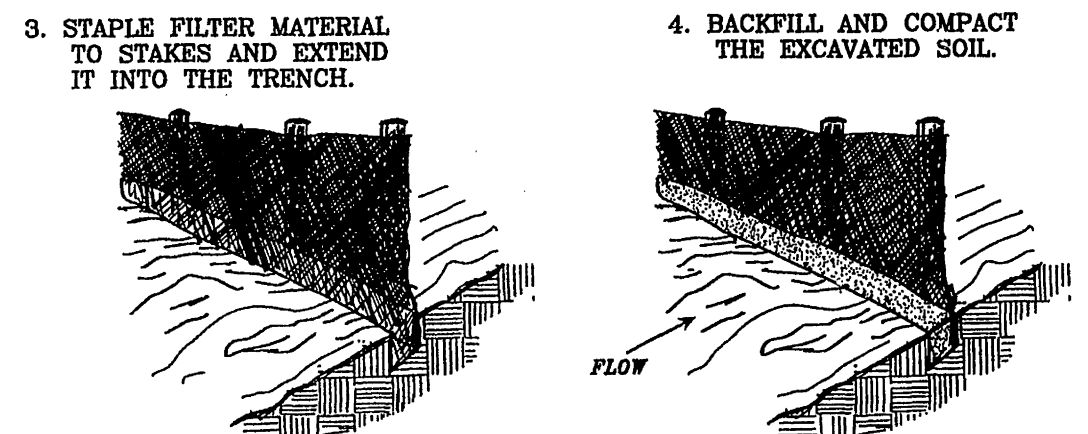
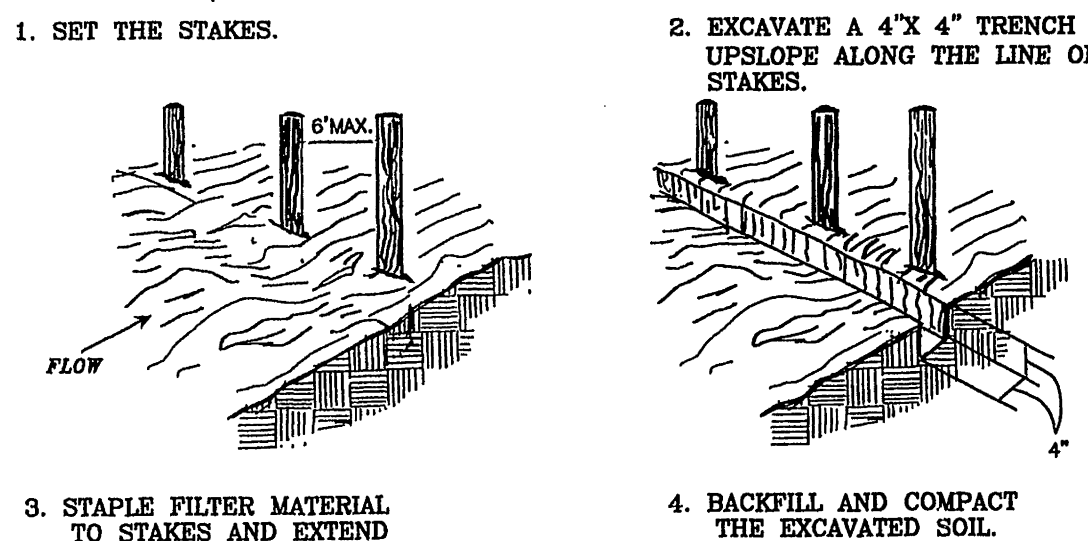


SPECIFIC APPLICATION

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.

CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)



POINTS A SHOULD BE HIGHER THAN POINT B. DRAINAGEWAY INSTALLATION (FRONT ELEVATION)

SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA DSWC Sherwood and Wynn

PLATE 3.06-2

Source: Va. DSWC
1992

Plate 3.07-6
3.07 1992

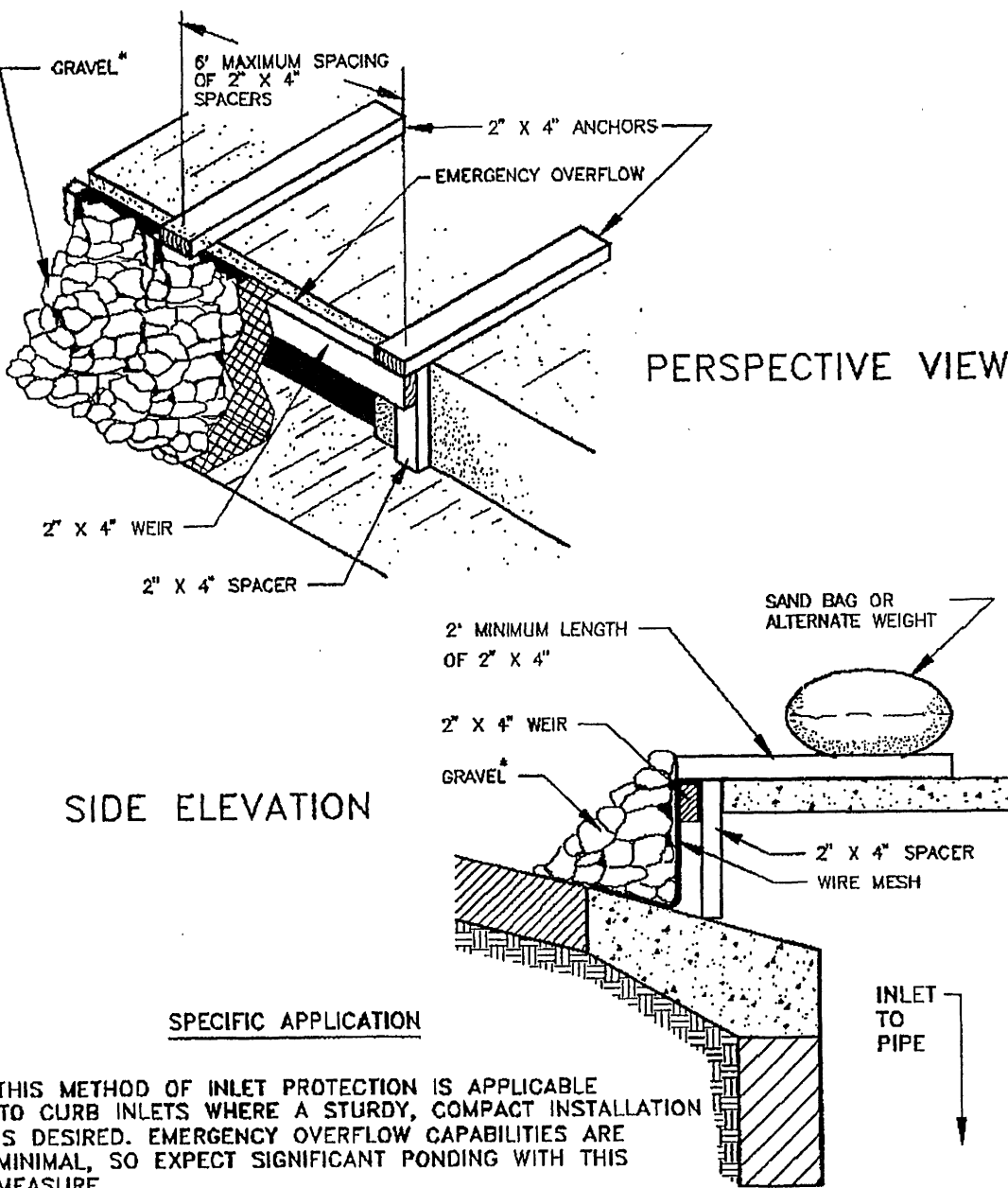
Source: N.C. Erosion and Sediment Control
Planning and Design Manual, 1988

Plate 3.07-1
3.07 1992

Source: Va. DSWC

Plate 3.07-2
3.07

CURB INLET PROTECTION WITH 2-INCH X 4-INCH WOODEN WEIR

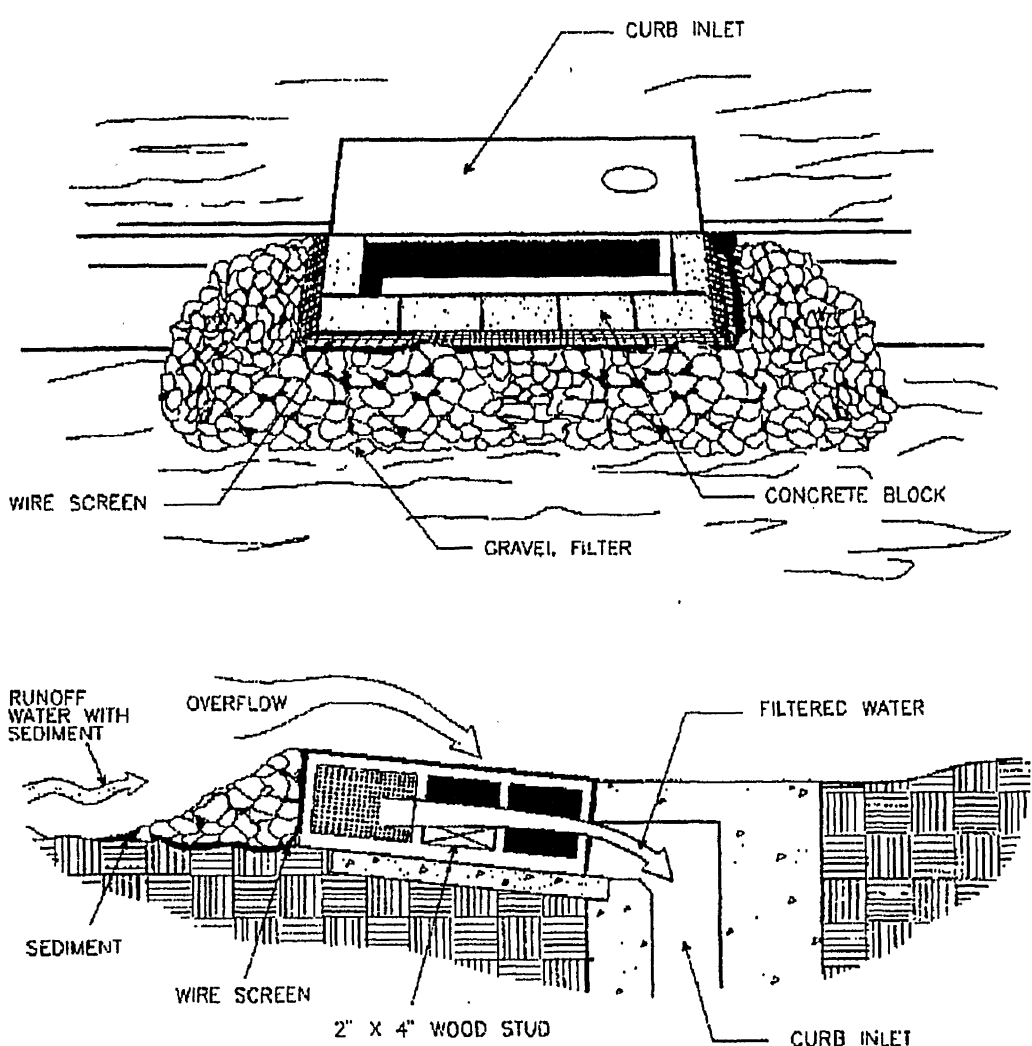


SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

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

BLOCK & GRAVEL CURB INLET SEDIMENT FILTER

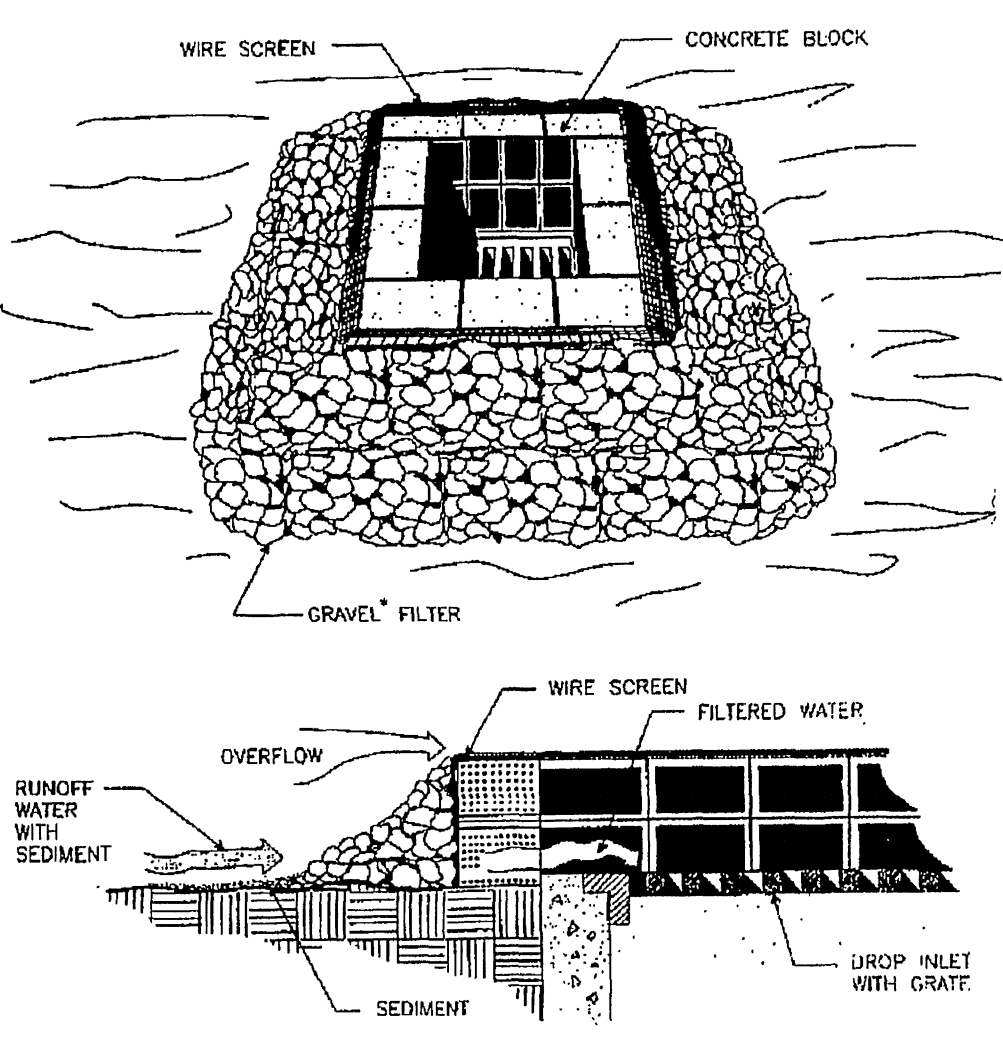


SPECIAL APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

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

BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER



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.

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

Source: 1983 Maryland Standards and Specifications for
Soil Erosion and Sediment Control, and USDA-SCS

Plate 3.07-7

Source: Va. DSWC

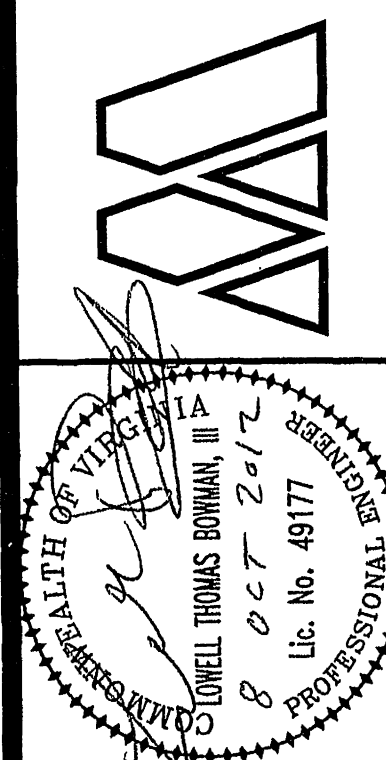
Plate 3.07-8

Source: Va. DSWC

Plate 3.07-3

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Blacksburg, Va. 24060
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SHENANDOAH AVENUE
WATER LINE REPLACEMENT PROJECT
ESC DETAILS

Designed By: LTB
Drawn By: CBD/LTB
Checked By: TFB
Date: 26 JULY 2012
Revised: 23 AUG 2012
08 AUG 2012
Scale:
Plan #: 29753-001
Sheet: 10 OF 12

bowman / Oct 09, 2012 2:29pm / \\APPROJECTS\Projects\29\29753\ENGINEERING\Design\Plans\WVA_Shenandoah_Ave_Design2.dwg: SHT 1D