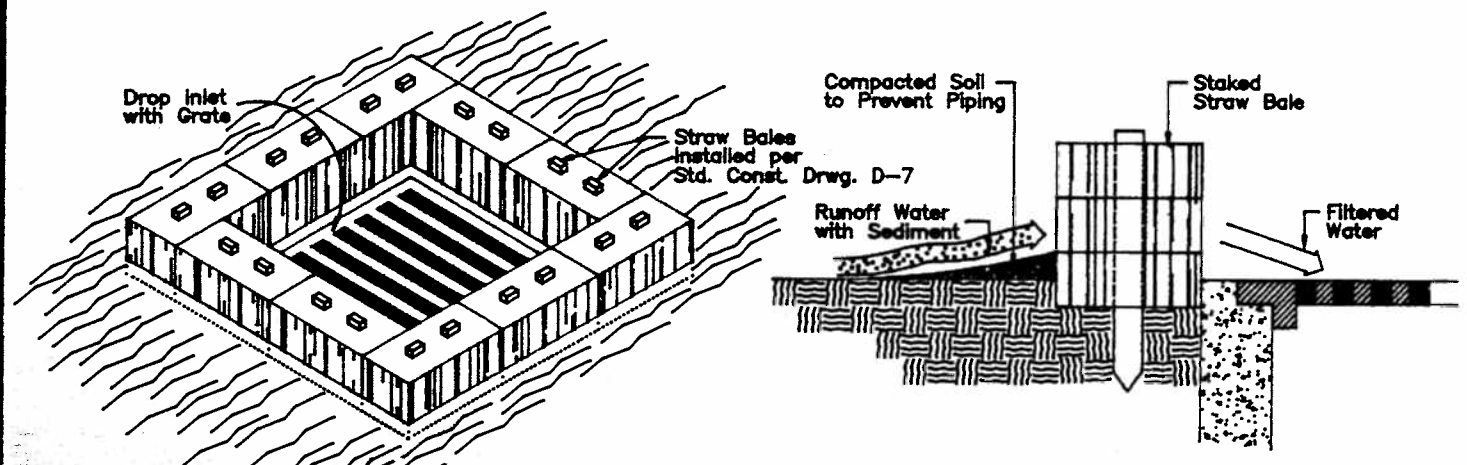
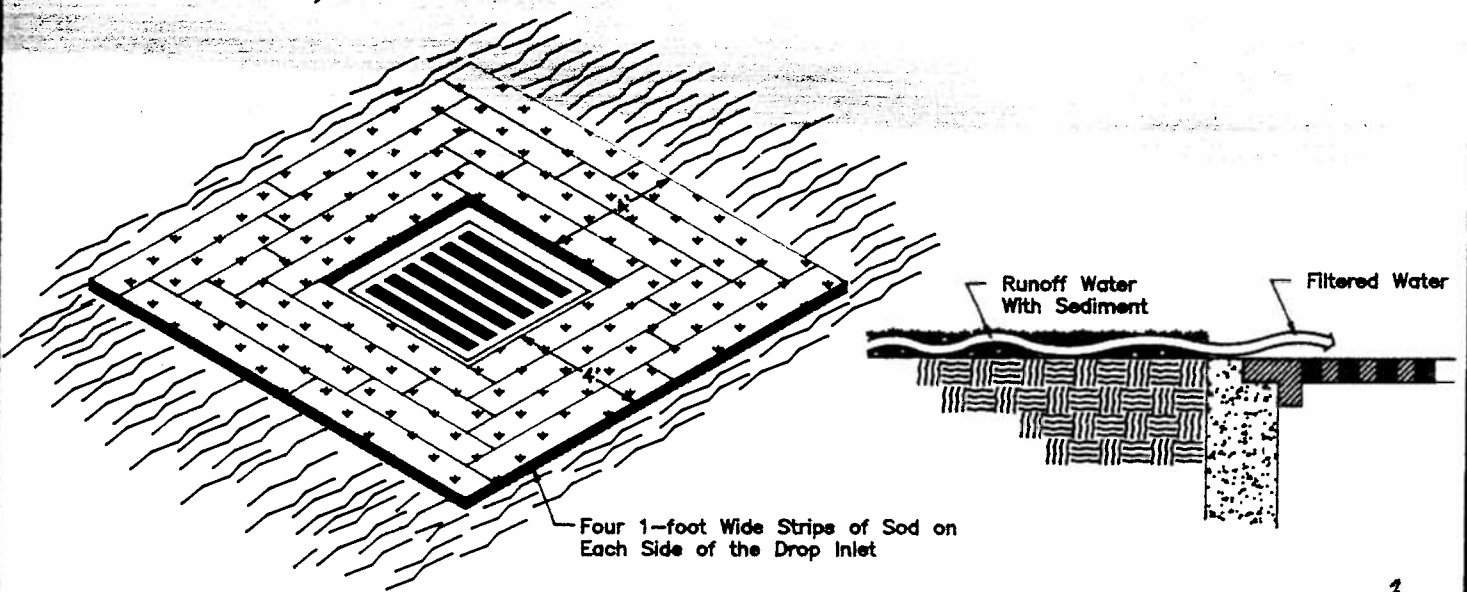


GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER



STRAW BALE DROP INLET SEDIMENT FILTER



SOD DROP INLET SEDIMENT FILTER

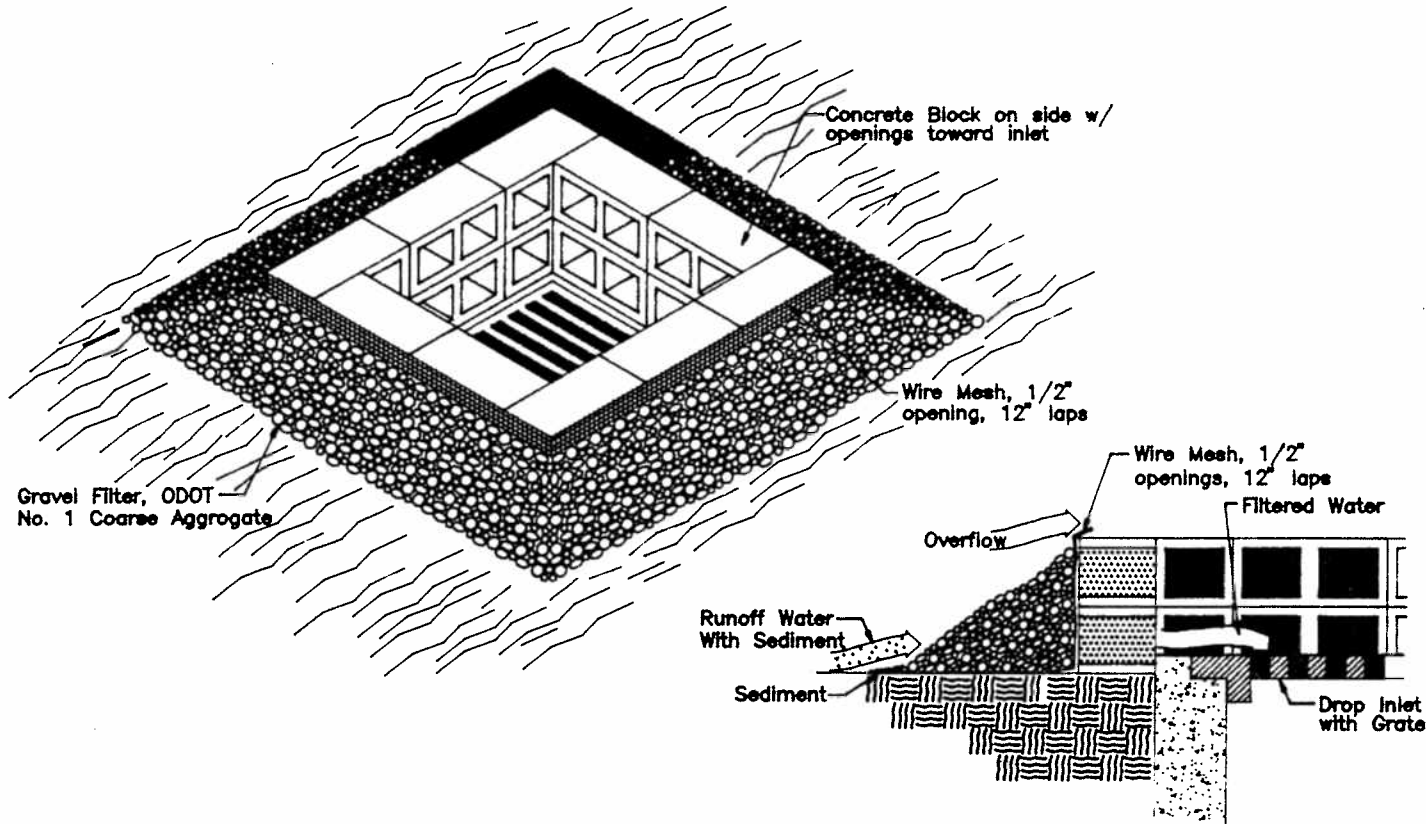
SEE SHEET 2 OF 3 FOR APPLICATION NOTES

APPROVED 8-9-93
Kent Huston
 CITY ENGINEER

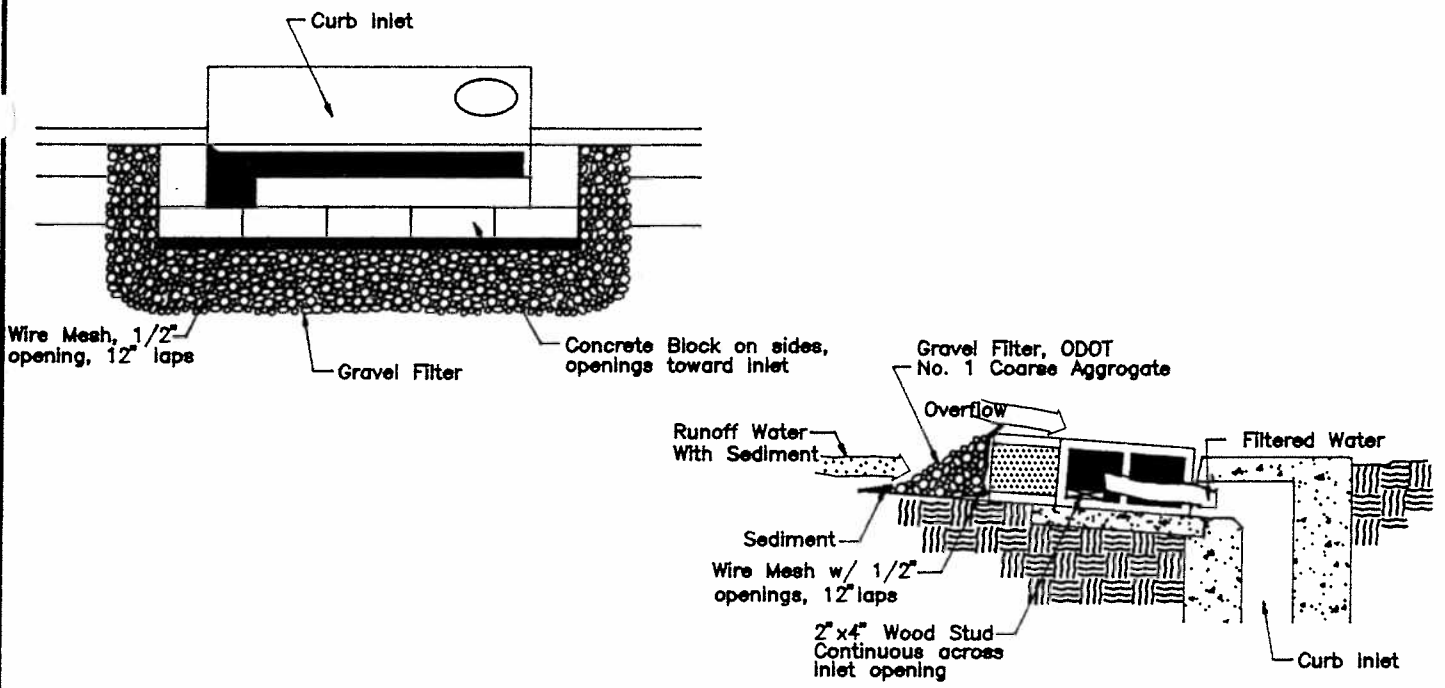
EROSION CONTROL
 Storm Drain Inlet
 Protection

CITY OF LANCASTER, OHIO
 DEPARTMENT OF ENGINEERING
 STANDARD
 CONSTRUCTION DRAWING
 DWG. BY: C.S.W. FILE NUMBER
 CHK'D BY: RM **D-10** SHEET 3 OF 3

REVISED:



BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER



BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

SEE SHEET 3 OF 3 FOR APPLICATION NOTES

APPROVED 9-13-93

Karl Huxton
CITY ENGINEER

REVISED:

EROSION CONTROL

Storm Drain Inlet Protection

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DRAWING

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CHK'D BY: RM **D-10** SHEET 2 OF 3


STORM WATER INLET PROTECTION NOTES

DESIGN CRITERIA

1. The drainage area shall be no greater than 1 acre.
2. Specific Applications
 - a. Gravel and Wire Mesh Drop Inlet Sediment Filter: This method of inlet protection is applicable where heavy concentrated flows are expected. This filtering device has no overflow mechanism, therefore, ponding is likely especially if sediment is not removed regularly. This type of device must never be used where overflow may endanger an exposed fill slope. Consideration should also be given to the effects of ponding on traffic movement, nearby structures, working areas, adjacent property, etc.
 - b. Straw Bale Drop Inlet Sediment Filter: This method of inlet protection is applicable where the inlet drains a relatively flat area (slopes no greater than 5 percent) where sheet or overland flows (not exceeding 0.5 cfs) are typical.
 - c. Sod Drop Inlet Sediment Filter: This method of inlet protection is applicable only at the time of permanent seeding, to protect the inlet from sediment and mulch materials until permanent vegetation has become established.
 - d. Block and Gravel Curb Inlet Sediment Filter: 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.
 - e. Block and Gravel Drop Inlet Sediment Filter: 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.
3. The inlet protection devices shall be constructed in such a manner that any resultant ponding of stormwater will not cause excessive inconvenience or damage to adjacent areas or structures.
4. Design criteria more specific to each particular inlet protection device will be found in Water Management and Sediment Control for Urbanizing Areas, USDA, SCS.

MAINTENANCE OF SEDIMENT FILTERS

1. The structure shall be inspected after each rain and at least daily during prolonged rainfall. Repairs shall be made promptly as needed.
2. Sediment should be removed after each rainfall. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
3. When the sediment filter becomes clogged with sediment so that it no longer adequately performs its function, then the filter must be pulled away from the structure, the filtering material cleaned or replaced with new material, and then reinstalled.
4. Structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.

APPROVED <u>9-13-93</u>  CITY ENGINEER	EROSION CONTROL Storm Drain Inlet Protection	CITY OF LANCASTER, OHIO DEPARTMENT OF ENGINEERING STANDARD CONSTRUCTION DRAWING
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		FILE NUMBER D-10 SHEET 3 OF 3