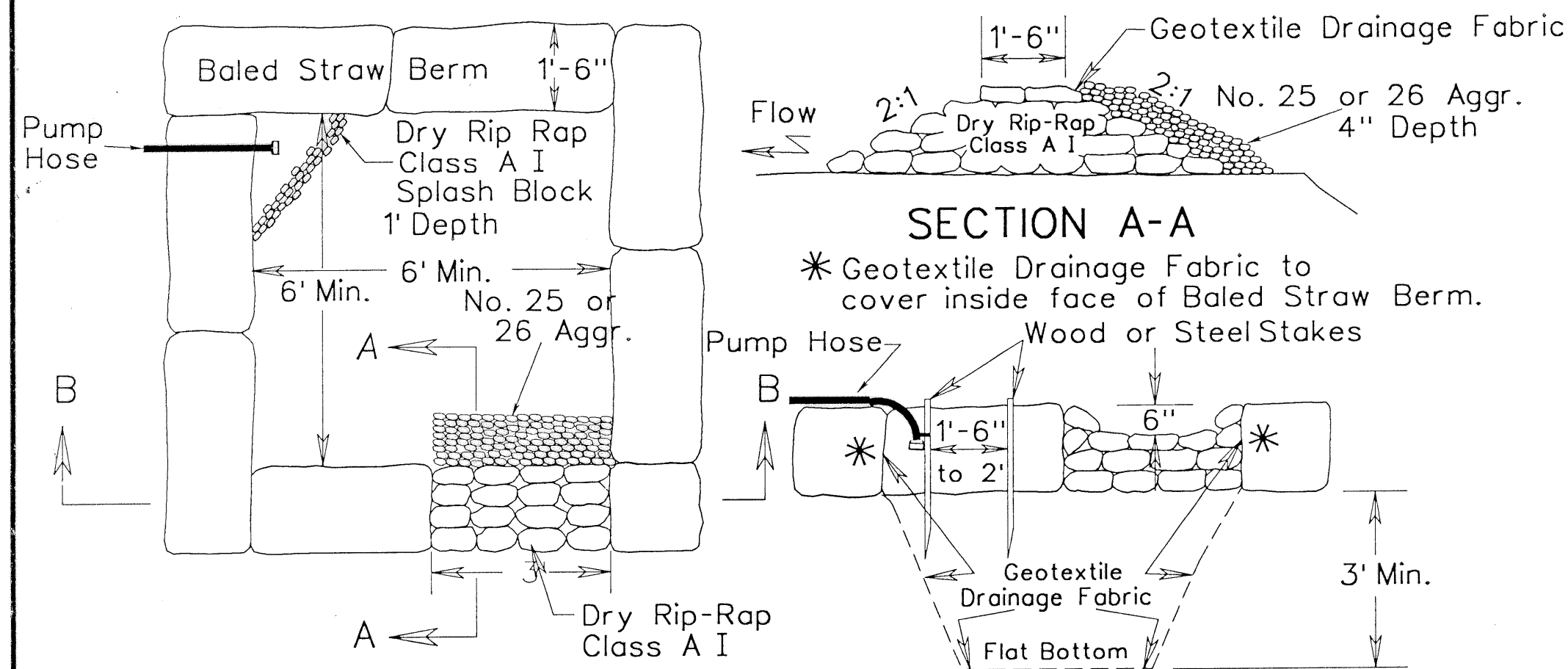


TYPICAL DEWATERING BASIN



NOTES:
Dewatering Basin size shall be determined by the formula
16 X gal./min. of pump = cu. yds. of storage capacity.

This work shall consist of the construction of a dewatering basin for the purpose of receiving sediment-laden water pumped from a construction site to follow filtration before the water reenters the waterway. Pumping into these basins shall cease when the flow from the basin becomes sediment-laden.

Surface water flow shall be diverted around this device.

The outfall from the basin(s) shall have a stabilized conveyance to receiving waters.

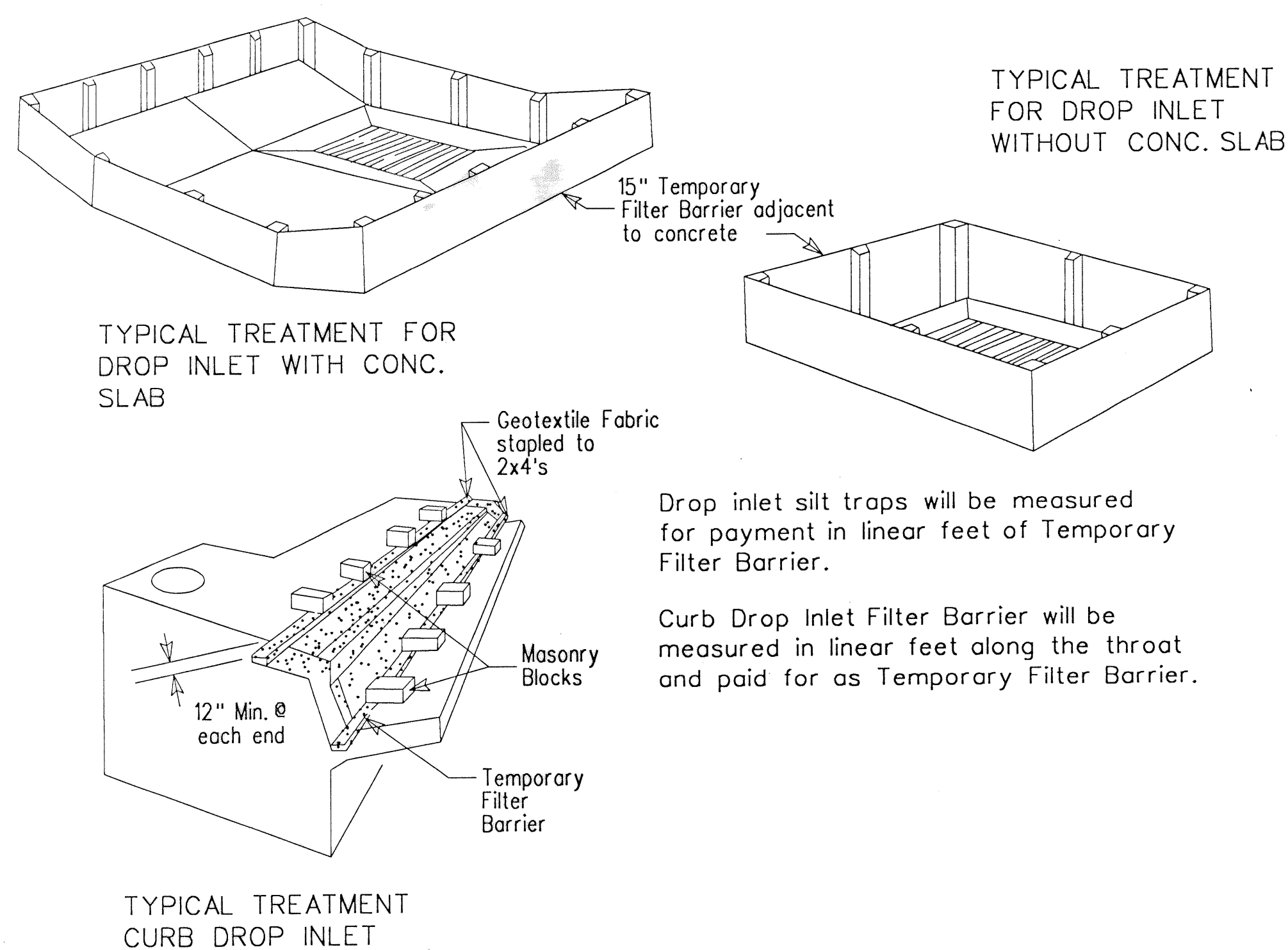
Once the dewatering basin becomes filled to 1/2 of the excavated depth, accumulated sediment shall be removed and disposed of in an approved disposal area outside of the 100-year floodplain unless otherwise approved on the plans.

Sediment control devices are to remain in place until all disturbed areas are stabilized and the Engineer approves their removal. Ground contours shall be returned to their original condition unless specifically approved otherwise by the Engineer.

BASIS OF PAYMENT:

Dewatering Basin is to be paid for at the contract unit price per each, which price shall be full compensation for furnishing, installing, maintaining and removing all items included in Dewatering Basin, and for all materials, labor, tools, equipment and incidentals necessary to complete the work.

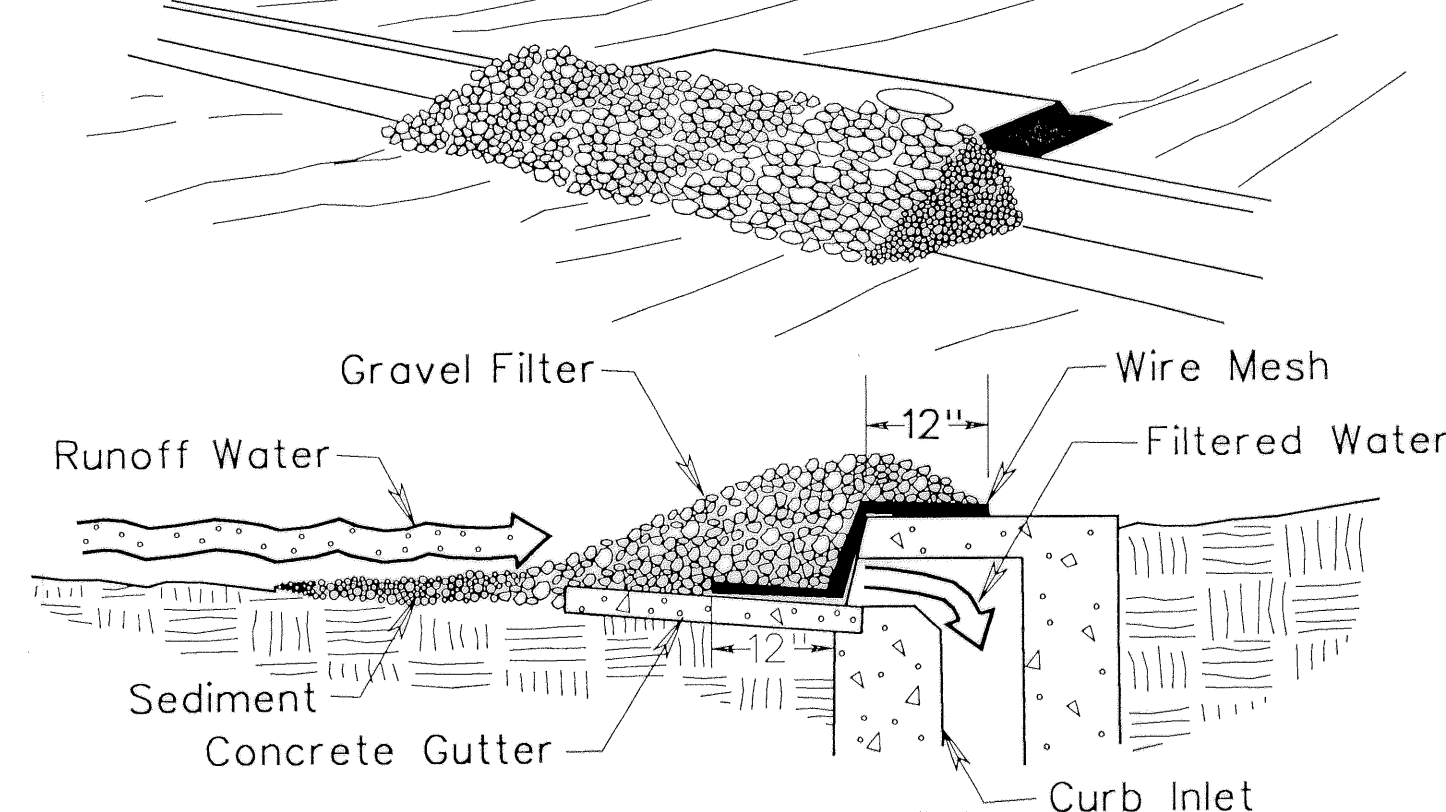
DROP INLET SILT TRAP



Drop inlet silt traps will be measured for payment in linear feet of Temporary Filter Barrier.

Curb Drop Inlet Filter Barrier will be measured in linear feet along the throat and paid for as Temporary Filter Barrier.

ALTERNATE DROP INLET SILT TRAP (GRAVEL TYPE)



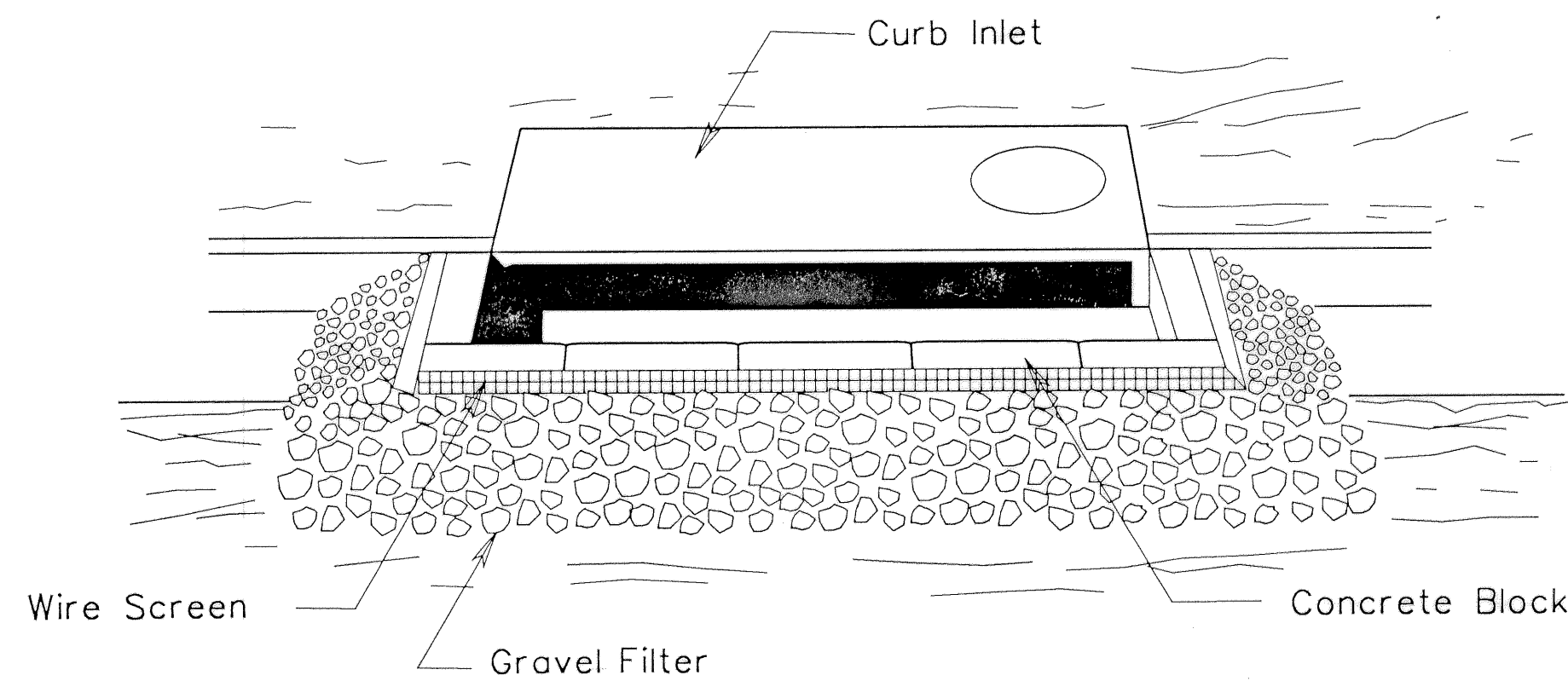
SECTIONAL VIEW Specific Application

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.

BASIS OF PAYMENT:

Drop Inlet Silt Traps will be measured for payment in linear feet of Temporary Filter Barrier.

ALTERNATE DROP INLET SILT TRAP (BLOCK AND GRAVEL TYPE)



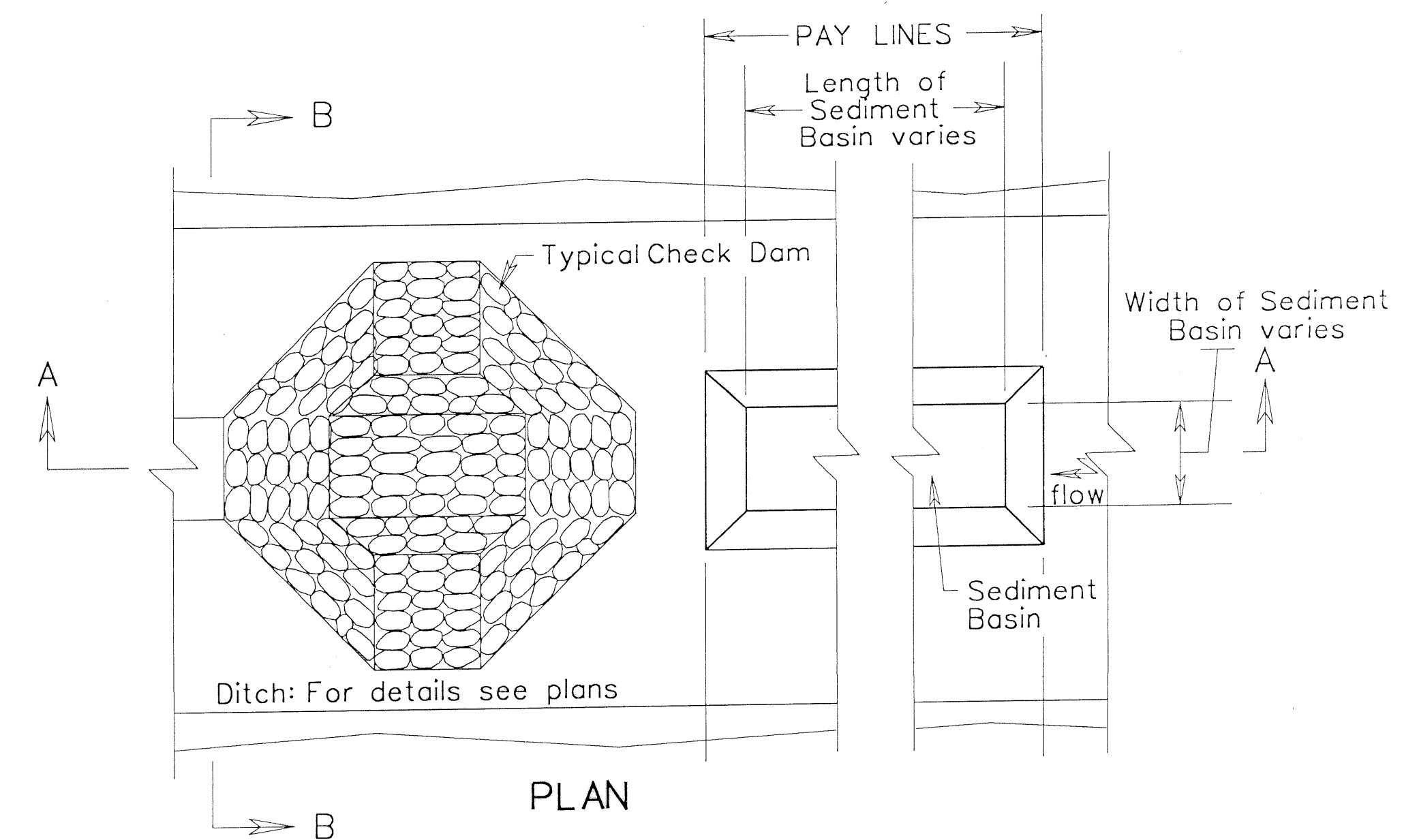
SECTIONAL VIEW Specific Application

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.

BASIS OF PAYMENT:

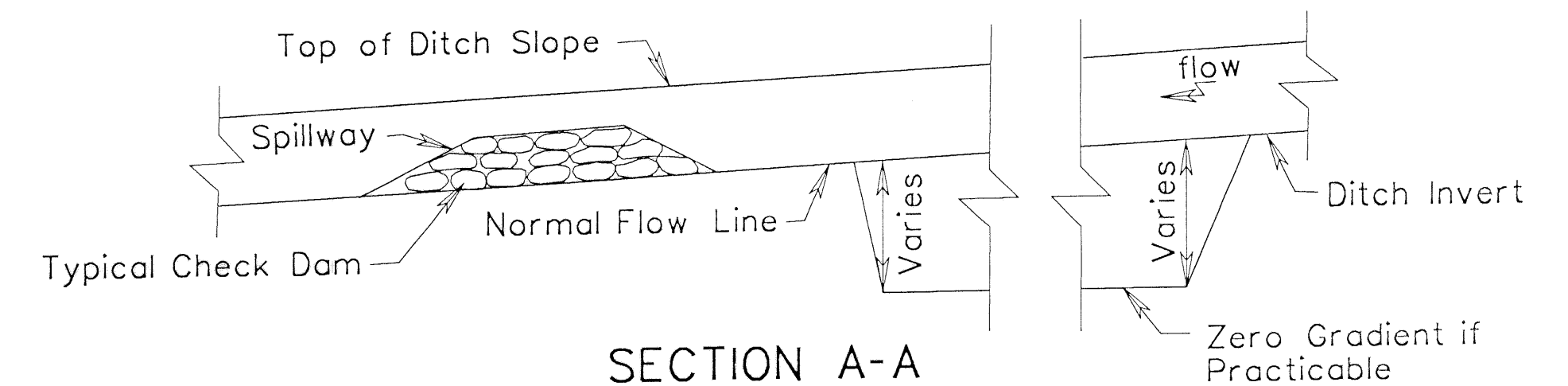
Drop Inlet Silt Traps will be measured for payment in linear feet of Temporary Filter Barrier.

TYPICAL SEDIMENT BASIN

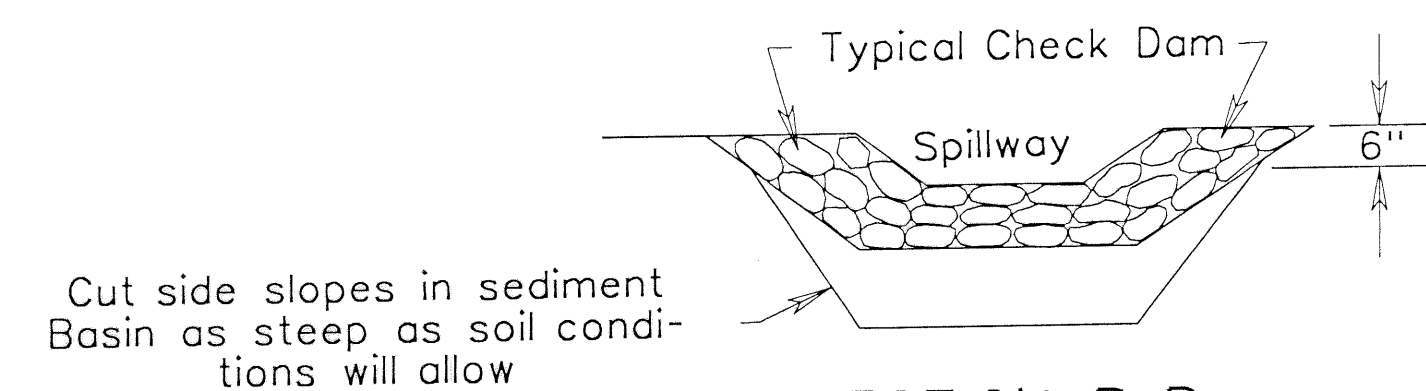


Note: The silt storage area shall be 67 cu. yds. per acre of disturbed area and/or erosion prone area in the watershed when other erosion control practices are employed in conjunction with the sediment basin (ie. vegetation, silt fence, check dams, etc.). The silt storage area shall be 134 cu. yds. per acre for all areas where the sediment basin is used as the primary erosion control practice (ie. disposal area or borrow pit).

SECTION A-A



SECTION B-B



NOTES:

Check Dam is shown for details only and is not included in payment for Sediment Basin.

TEMPORARY EROSION & SILTATION CONTROL

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
1-27-94	3	VA.		11	0011-080-F05, C-502 0011-080-105, RW-202	20

Rev. 10-28-92

SHEET 3 OF 3

SPECIAL DESIGN SECTION

DRAWING NO. 414

PLAN NO.

PROJECT

0011-080-F05

72-16 4 20