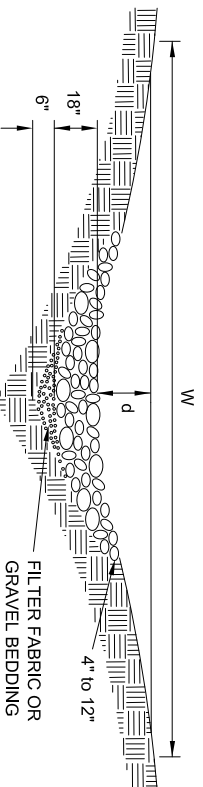


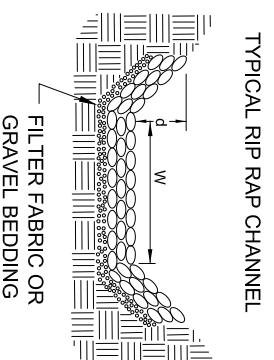
PARABOLIC-SHAPED WATERWAY WITH STONE CENTER DRAIN

(SHAPED BY BULLDOZER)



V-SHAPED WATERWAY WITH STONE CENTER DRAIN

(SHAPED BY MOTOR GRADER)



TYPICAL RIP RAP CHANNEL

TRAPEZOIDAL

NOTE:

TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS.

SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE DESIGN PROCEDURE.

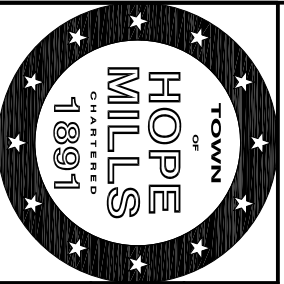
DIMENSIONS FOR 'd' & 'W' VARIES ACCORDING TO DESIGN.

RIP RAP DEPTH AS PER DESIGN OR REFER TO TABLE.

TABLE

STONE CLASSIFICATION	RIP RAP DEPTH
A	9"
B	18"
CLASS 1	24"
CLASS 2	24"-36"

DETAIL NOT TO SCALE



RIP RAP LINED CHANNELS

STORM DRAINAGE

Detail SW-31

Town of Hope Mills, North Carolina

February 28, 2015 Original