



The diagram illustrates the construction of a rip-rap outlet protection. The cross-section view shows a layer of hard, durable rock or concrete rubble (1' to 2' thick) above a layer of hard, durable sand and gravel or MIFAFI engineered fabric (6" minimum thick). Below this is a filter blanket or nonwoven fabric. The plan view shows the storm sewer pipe (diameter d) entering the rip-rap area (length L_a, width L_a × 3d). The rip-rap area is defined by a filter blanket or nonwoven fabric. The side view shows the rip-rap area (length L_a, width <1% grade) and the filter blanket or nonwoven fabric. The diagram is labeled with dimensions and material specifications.

1' to 2'
6" MIN
HARD, DURABLE ROCK OR CONCRETE RUBBLE WEIGHING AT LEAST 150 LBS. CU. FT. MIN. STONE SIZE 50 LBS.
LAYER OF HARD, DURABLE SAND AND GRAVEL OR MIFAFI ENGINEERED FABRIC. MAX. SIZE = 3
FILTER BLANKET OR NONWOVEN FABRIC

RP DUMPED RIP-RAP

PLAN VIEW
STORM SEWER PIPE
d
L_a
3d
L_a × 3d
SEE PLAN FOR AREA OF RIP-RAP.

SIDE VIEW
STORM SEWER PIPE
d
D
DUMPED RIP-RAP (SEE R_p DETAIL)
L_a
<1% GRADE
FILTER BLANKET OR NONWOVEN FABRIC

ST RIP-RAP OUTLET PROTECTION

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Preliminary Site Plan
For
Kitties Crossing Lot 4
S.C. Hwy. 46
Town of Bluffton
Beaufort County, SC

SHEET #:
3
JOB: 150041