

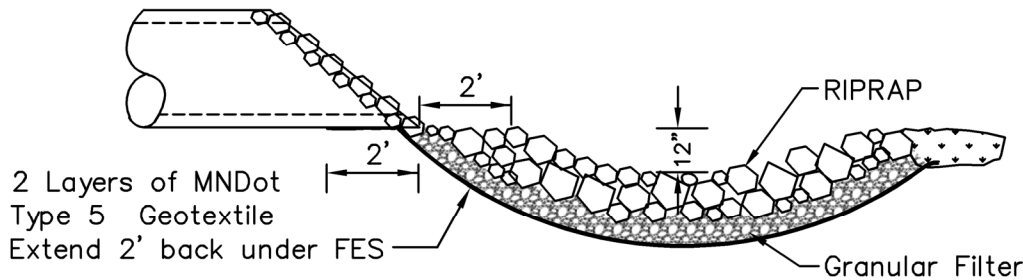
**RIPRAP REQUIREMENTS \***

PIPE DIA.	RIPRAP REQUIRED
12" TO 24"	8 to 12 CY CL.3
27" TO 33"	14 to 20 CY CL.3
36" TO 48"	23 to 38 CY CL.3
54" AND UP	62 CY and up CL.4

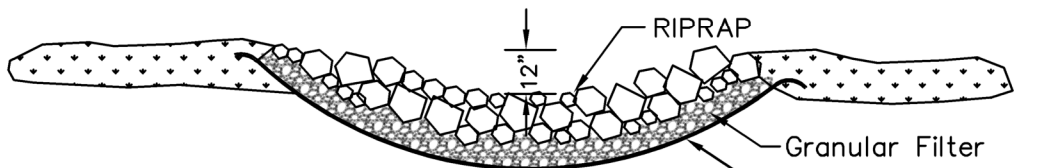
(One cubic yard is approximately 2,800 lbs.)

5D  
PLAN  
NTS

**NOTE**  
Granular filter shall be 3" of 1 1/2" clear limestone under rip rap on 2 layers of MNDot Type 5 Geotextile fabric.



SECTION A-A  
NTS



SECTION B-B  
NTS

\* For outlet velocities less than 10 Ft/Sec. Outlet velocities exceeding 10 Ft/Sec shall obtain prior approval by the engineer.



**CITY OF  
CHANHASSEN**

RIP RAP  
DETAIL

REVISED: 1-22

FILE NAME: G:\ENG\SPECS\3107

ENGINEERING DEPARTMENT

PLATE NO.:

3107