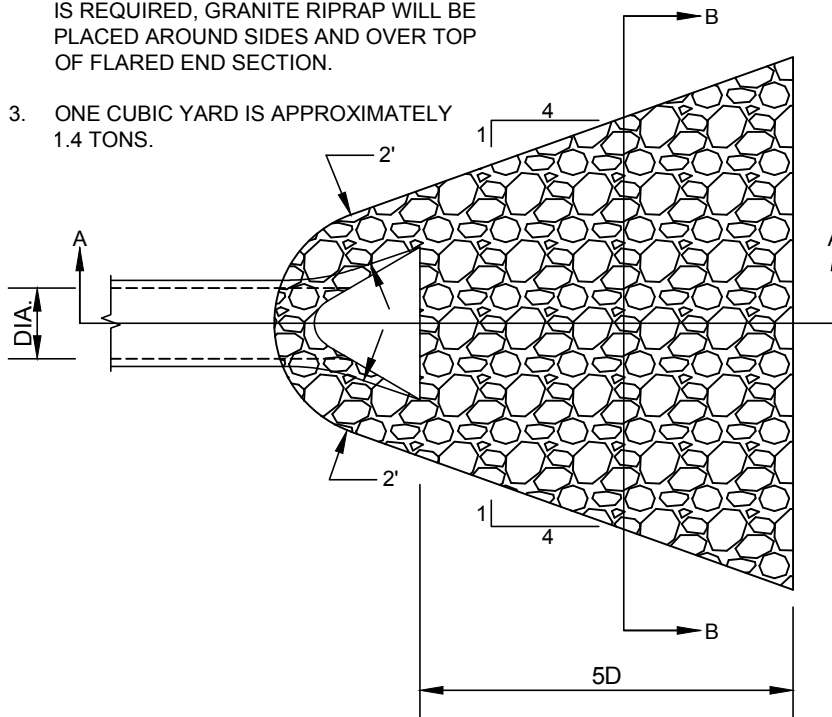


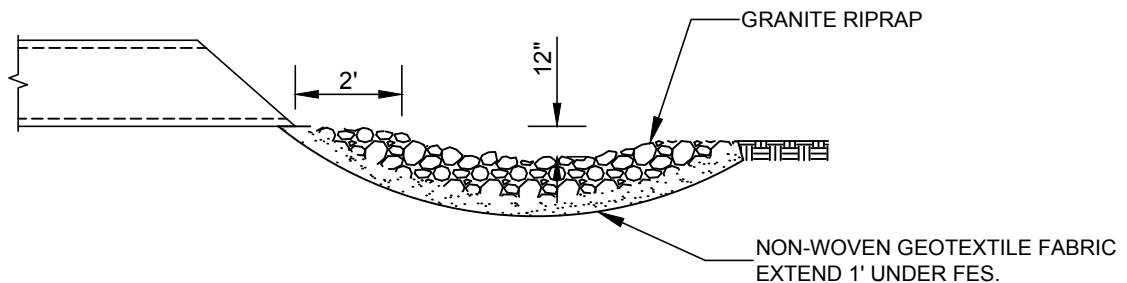
NOTES:

1. INSTALL TRASH GUARD ON ALL FLARED END SECTIONS 24" DIA. AND LARGER.
2. UNLESS OTHER FORM OF DISSIPATION IS REQUIRED, GRANITE RIPRAP WILL BE PLACED AROUND SIDES AND OVER TOP OF FLARED END SECTION.
3. ONE CUBIC YARD IS APPROXIMATELY 1.4 TONS.

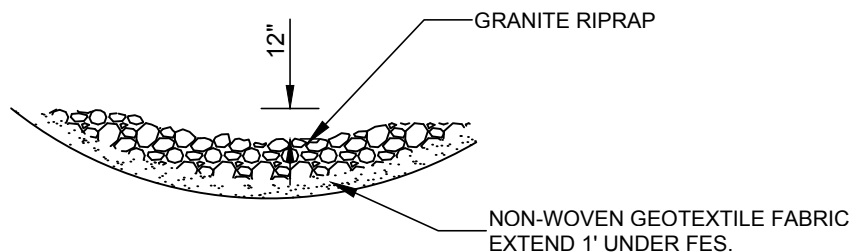
MINIMUM RIPRAP REQUIRED			
PIPE DIA. (IN.)	LENGTH (FT.)	QUANTITY (CY.)	CLASS
12	8	5	3
15	8	5	3
18	10	6	3
24	12	8	3
30	14	12	3
36	16	14	3
42	18	22	4
48	20	26	4
>48	22-28	30-40	4



PLAN



SECTION A-A



SECTION B-B

DESIGN:	DATE: 12/2/15
DRAWN: DRT	
REVISIONS	



ENGINEERING DEPARTMENT

RIPRAP PLACEMENT AT FLARED END SECTIONS

PLATE
NUMBER

ST-5