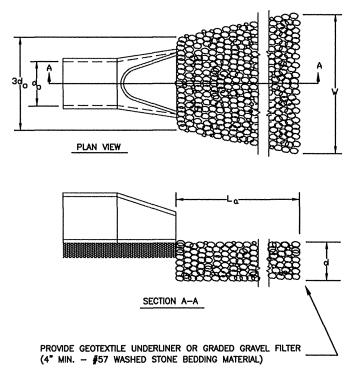
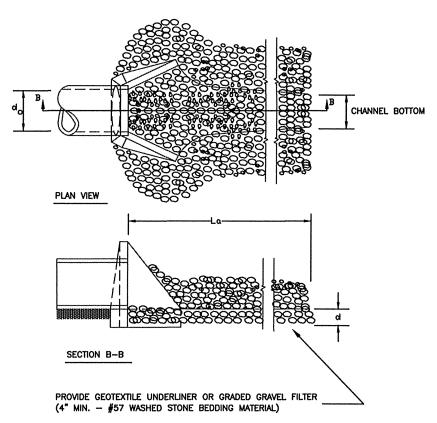
TYPE A
PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL



NOTES:

- (1) d=1.5 TIMES THE MAXIMUM STONE DIAMETER, BUT NOT LESS THAN SIX (6") INCHES.
- (2) d $_{\mbox{\scriptsize t}}=$ 1' ABOVE MAXIMUM TAILWATER OR TOP OF CHANNEL BANK (WHICHEVER IS LESS.)
- (3) Lat = LENGTH OF RIPRAP APRON. (TO OBTAIN La, USE FIG. 8.06a FOR TYPE A INSTALLATION AND FIG. 8.06b FOR TYPE B.) REFER TO: NCDENR <u>EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL</u>.

TYPE B
PIPE OUTLET TO WELL- DEFINED CHANNEL



CULVERT OUTLET PROTECTION

ND	DATE	REVISIONS DESCRIPTION	CITY OF ROCKY MOUNT	APPROVED _	STD. NO. 3.22
			DEPT. OF ENGINEERING	DATE 01-31-03	REVISION -