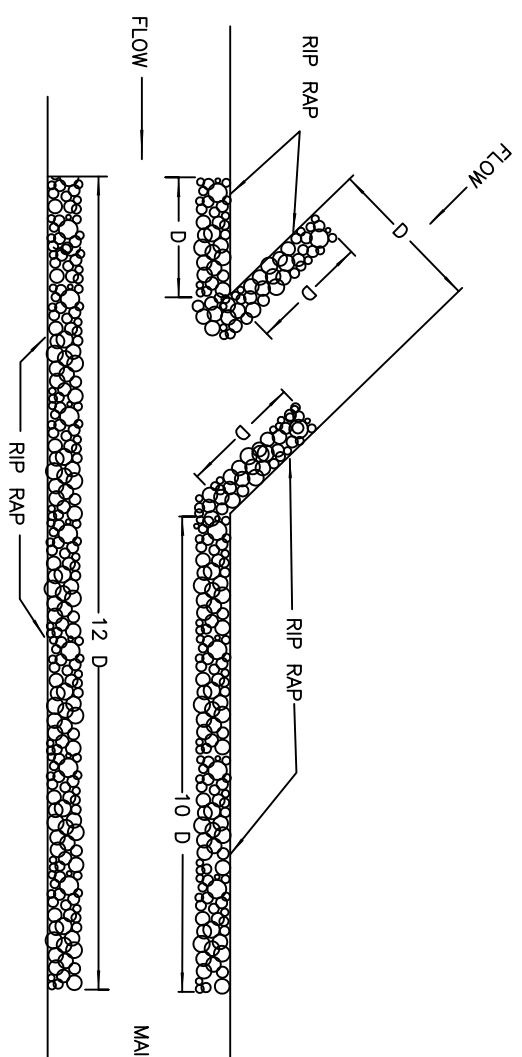


1. IF BEDROCK IS ENCOUNTERED WITHIN THE LIMITS OF THE TOEWALL, BEGIN TOEWALL ON THE BEDROCK OR AS DIRECTED BY THE ENGINEER.
2. WHERE ONLY ONE SIDE REQUIRES RIP RAP CLASS I OR II, LIST STATION AND SIDE OF SAME.
3. CHANNEL AND RIP RAP SIZE TO BE DESIGNED BY THE ENGINEER.
4. DEPENDING ON SOIL CONDITIONS, WASHED STONE AND FILTER FABRIC MAY BE NECESSARY UNDER RIP RAP.
5. CHANNEL DEPTH "H" SHALL INCLUDE A MINIMUM 6" OF FREEBOARD.

LONGITUDINAL SECTION A-A



NOTE: "D" EQUALS DIAMETER OF PIPE OR BOTTOM WIDTH OF CHANNEL.

CHANNEL INTERSECTIONS

APPROVED DATE _____

REVISIONS	
NO.	DATE DESCRIPTION



RIP RAP DITCHES

CITY OF MONROE		FILE: I:/Maps-Details/Detail Manual/Details	
UNION COUNTY		DRAWN BY: JAM	
NORTH CAROLINA		DATE: 08-07-01	
ENGINEERING DEPARTMENT		CHECKED BY: JNL	
PREPARED BY:		SCALE: N.T.S.	
DETAIL		04.05.01	