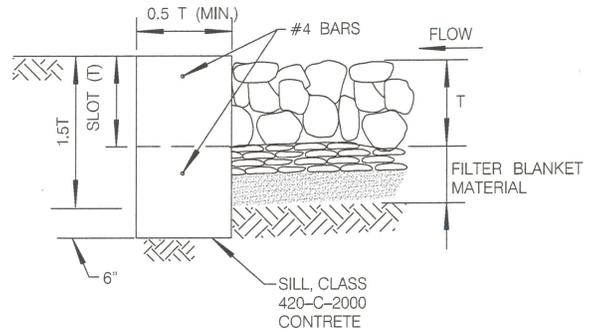


PLAN

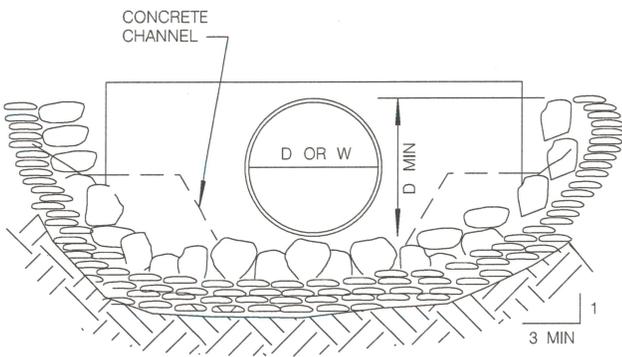
D = PIPE DIAMETER
W = BOTTOM WIDTH OF CHANNEL



SECTION A-A

NOTES:

1. PLANS SHALL SPECIFY:
 - A) ROCK CLASS AND THICKNESS (T).
 - B) FILTER BLANKET MATERIAL, NUMBER OF LAYERS AND THICKNESS
2. RIP RAP SHALL BE EITHER QUARRY STONE OR BROKEN CONCRETE (IF SHOWN ON THE PLANS). COBBLES ARE NOT ACCEPTABLE.
3. RIP RAP SHALL BE PLACED OVER A GEOTEXTILE FILTER FABRIC. FILTER BLANKET MATERIAL SHALL BE PLACED UNDER THE FABRIC WHEN SPECIFIED.
4. SEE CITY SUPPLEMENT FOR SELECTION OF FILTER MATERIAL.
5. RIP RAP ENERGY DISSIPATORS SHALL BE DESIGNATED AS EITHER TYPE 1 OR TYPE 2. TYPE 1 SHALL BE WITH CONCRETE SILL; TYPE 2 SHALL BE WITHOUT SILL.
6. FOR STRUCTURAL DETAILS, SEE D-42 FOR PIPELINE SIZES FROM 18" TO 30" AND SEE D-43 FOR PIPELINE SIZES FROM 36" TO 72".
7. FOR RIP RAP SELECTION SEE TABLE 200-1.7 OF THE WHITEBOOK.



SECTION B-B

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	AB	J. NAGELVOORT	10/15

CITY OF SAN DIEGO - STANDARD DRAWING

**RIP RAP
ENERGY DISSIPATOR**

RECOMMENDED BY THE CITY OF SAN DIEGO
STANDARDS COMMITTEE
Chungwa 10/16/15
COORDINATOR R.C.E. 56523 DATE

DRAWING NUMBER **SDD-104**