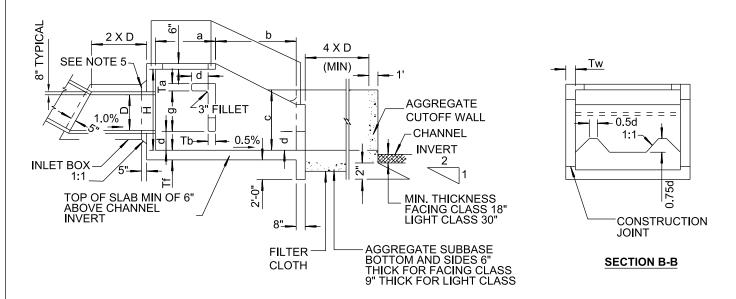


PLAN



SECTION A-A

NOTES

SEE TABLE ON SHEET 2 FOR DIMENSIONS, SEE NOTES ON SHEET 2.

SHEET 1 OF 2

REVISION	BY	APPROVED	DATE	CITY OF CAN DIFCO CTANDARD DRAWING	RECOMMENDED BY THE CITY				
ORIGINAL*	KA	J. NAGELVOORT	01/12	CITY OF SAN DIEGO – STANDARD DRAWING	OF SAN DIEGO STANDARDS COMMITTEE				
UPDATED	BD	J. NAGELVOORT	08/15		CAtungea 12/18/19				
UPDATED	AB	J. NAGELVOORT	02/16	CONCRETE ENERGY DISSIPATOR	COORDINATOR R.C.E. 56523 DATE				
REDRAFTED	CD	J. NAGELVOORT	09/18	CONCRETE ENERGY DISSIPATOR	7.6.2. 3322 B. (12)				
UPDATED	CG	J. NAGELVOORT	12/19		DRAWING SDD-105				
					NUMBER SDB-103				

CONCRETE ENERGY DISSIPATOR DIMENSIONS

Pipe Dia, Inch (D)	18	24	30	36	42	48	54	60	72
Area (sq ft)	1.77	3.14	4.91	7.07	9.62	12.57	15.90	19.63	28.27
Max Q (cfs)	21	38	59	85	115	151	191	236	339
W	5'-6"	6'-9"	8'-0"	9'-3"	10'-6"	11'-9"	13'-0"	14'-3"	16'-6"
Н	4'-3"	5'-3"	6'-3"	7'-3"	8'-0"	9'-0"	9'-9"	10'-9"	12'-3"
L	7'-4"	9'-0"	10'-8"	12'-4"	14'-0"	15'-8"	17'-4"	19'-0"	22'-0"
а	3'-3"	3'-11"	4'-7"	5'-3"	6'-0"	6'-9"	7'-4"	8'-0"	9'-3"
b	4'-1"	5'-1"	6'-1"	7'-1"	8'-0"	8'-11"	10'-0"	11'-0"	12'-9"
С	2'-4"	2'-10"	3"-4"	3'-10"	4'-5"	4'-11"	5'-5"	5'-11"	6'-11"
d	0'-11"	1'-2"	1'-4"	1'-7"	1'-9"	2'-0"	2'-2"	2'-5"	2'-9"
е	0'-6"	0'-6"	0'-8"	0'-8"	0'-10"	0'-10"	1'-0"	1'-0"	1'-3"
f	1'-6"	2'-0"	2'-6"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"
g	2'-1"	2'-6"	3'-0"	3'-6"	3'-11"	4'-5"	4'-11"	5'-4"	6'-2"
Tf	8"			10"		12"			
Tb	7"			9 1/2" 10 1/2"					
Tw	7"			9 1/2" 10 1/2"					
Та		7"		8"					

NOTES

1 DESIGN EQUIVALENT FLUID PRESSURE (EARTH LOADING) = 60 pcf MAXIMUM OUTLET VELOCITY = 35 FPS

- 2. CONCRETE SHALL BE 560-C-3250.
- 3. REINFORCING SHALL CONFORM TO ASTM DESIGNATION A615 AND MAY BE GRADE 40 OR 60. REINFORCING SHALL ΒE PLACED WITH 2" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE. SPLICES SHALL NOT BE PERMITTED EXCEPT AS INDICATED ON THE PLANS.
- 4. FOR PIPE GRADES NOT EXCEEDING 20%, INLET BOX MAY BE OMITTED.
- 5. IF INLET BOX IS OMITTED, CONSTRUCT PIPE COLLAR AS SHOWN.
- 6. UNLESS NOTED OTHERWISE, ALL REINFORCING BAR BENDS SHALL BE FABRICATED WITH STANDARD HOOKS. FOR STRUCTURAL DETAILS, SEE D-42 FOR PIPELINE SIZES FROM 18" TO 30" AND SEE D-43 FOR PIPELINE SIZES FROM 36" TO 72".
- 7.5' HIGH CHAIN LINK FENCING, EMBED POST 18" DEEP IN WALLS AND ENCASE WITH CLASS B MORTAR.
- 8. IN SANDY AND SILTY SOIL:
 - A) RIP RAP AND AGGREGATE BASE CUTOFF WALL REQUIRED AT THE END OF ROCK APRON.
 - B) FILTER CLOTH (POLYFILTER X OR EQUIVALENT) SHALL BE INSTALLED ON NATIVE SOIL BASE, MINIMUM OF 1' OVERLAPS AT JOINTS.
- 9. RIP RAP AND SUBBASE CLASSIFICATION SHALL BE AS SHOWN ON PLANS.
- 10. FOR RIP RAP SELECTION SEE TABLE 200-1.7 OF THE WHITEBOOK.

SHEET 2 OF 2

NUMBER

REVISION	BY	APPROVED	DATE	OTTY OF OAN DIFOO OTANDARD DRAWING	RECOMMENDED BY THE CITY			
ORIGINAL*	KA	J. NAGELVOORT	01/12	CITY OF SAN DIEGO – STANDARD DRAWING	OF SAN DIEGO STANDARDS COMMITTEE			
UPDATED	BD	J. NAGELVOORT	08/15		CAtunga 12/18/19			
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