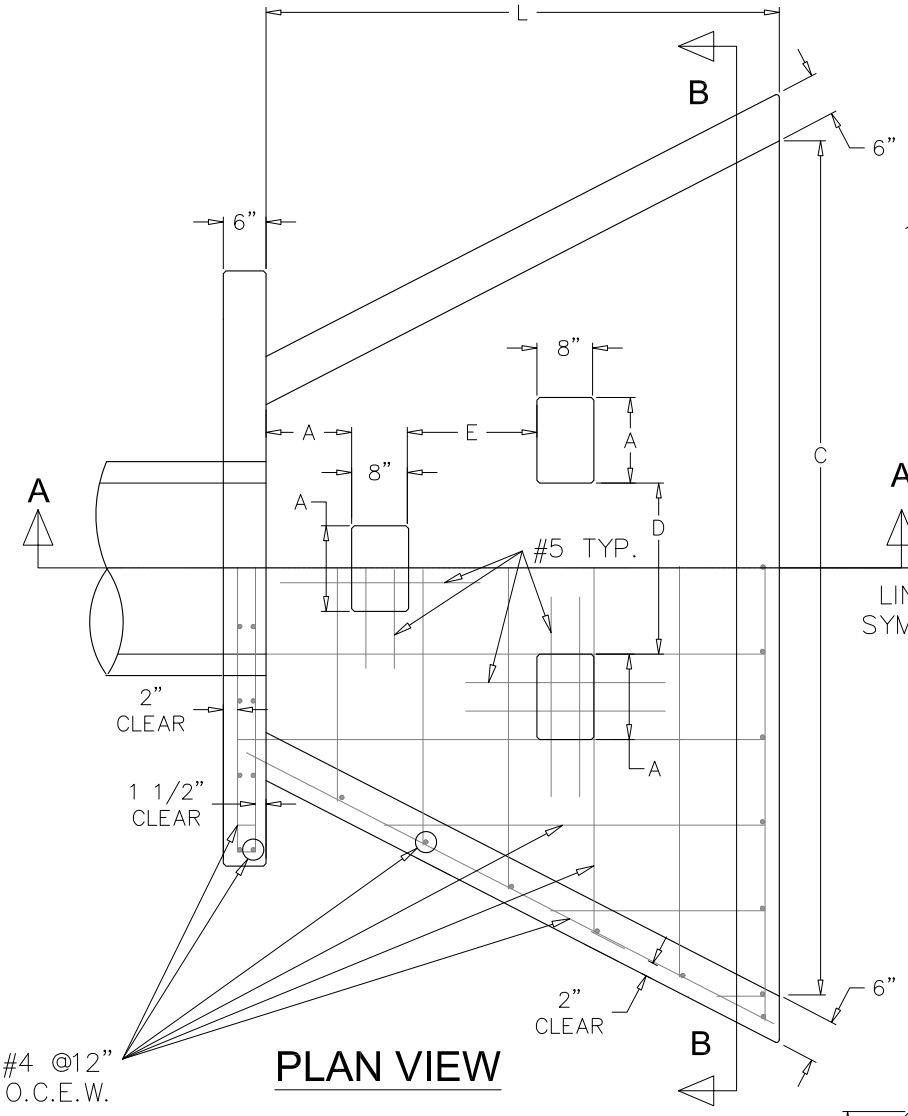
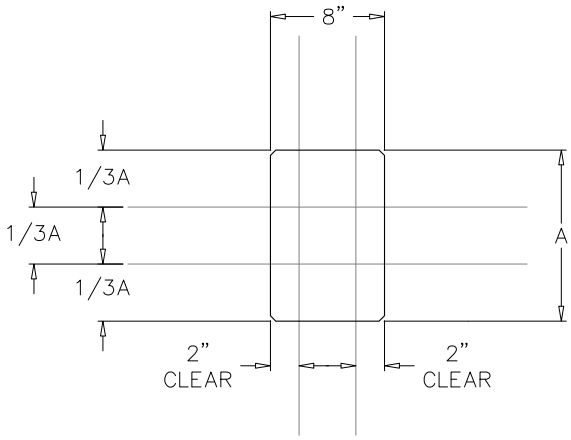


PLAN VIEW

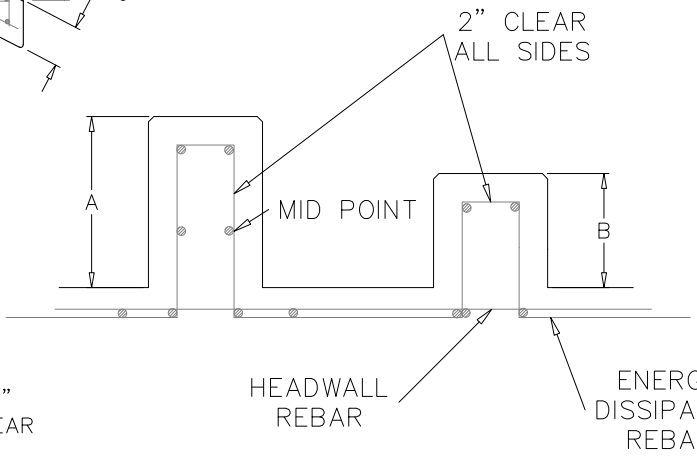


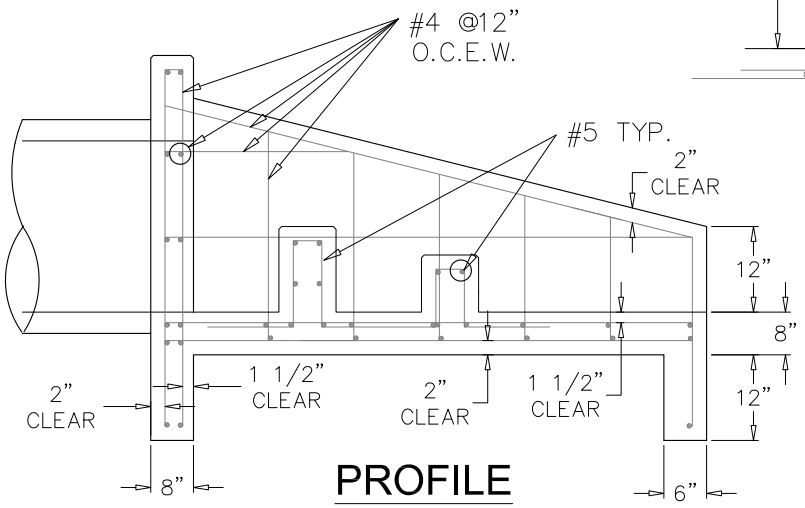
ENERGY DISSIPATOR
PLAN VIEW

REINFORCEMENT

NOTE

FOR DIMENSIONS NOT GIVEN
SEE DIMENSION TABLE
SHT 2 OF 2





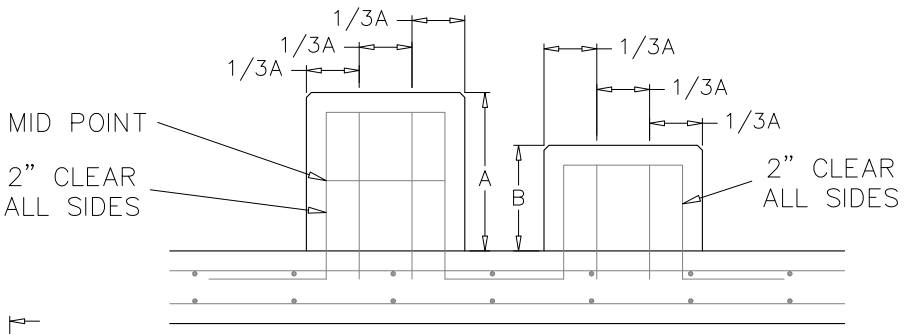
PROFILE
SECTION A-A

ENERGY DISSIPATOR
PROFILE
SECTION A-A VIEW OF REBAR

REINFORCEMENT

SHT 1 OF 2

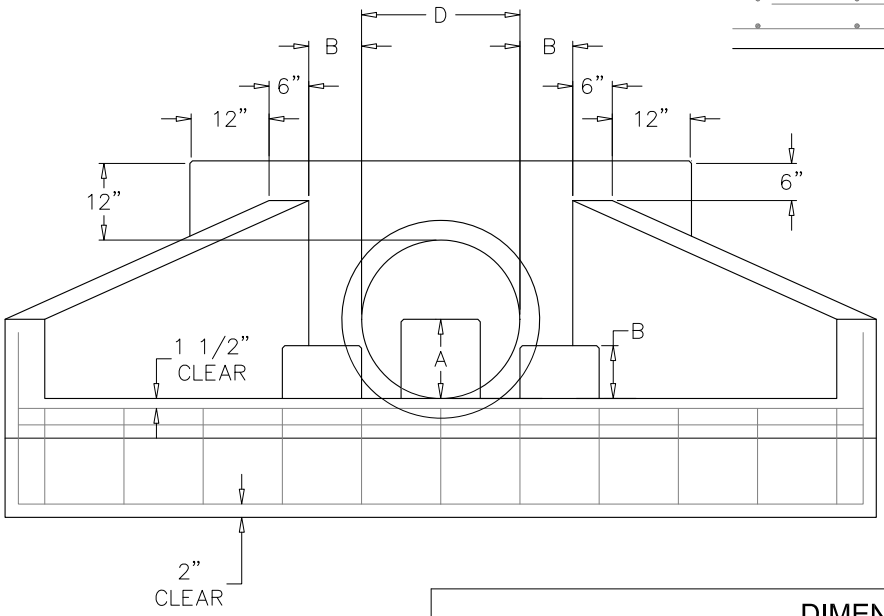
The City of San Marcos Engineering and Capital Improvements	CURRENT AS OF 1/1/2020	TYPICAL HEADWALL AND ENERGY DISSIPATOR
RECORDED COPY SIGNED BY LAURIE MOYER, P.E.	11/18/2014 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD
		508S-13-SM N.T.S. STANDARD DETAIL



ENERGY DISSIPATOR

PROFILE

SECTION B-B VIEW OF REBAR



REINFORCEMENT

PROFILE

SECTION B-B

DIMENSION TABLE							
D	18"	21"	24"	27"	30"	33"	36"
A	9"	10"	12"	14"	15"	16	18"
B	6"	7"	8"	9	10"	11"	12"
C	90"	105"	120"	135"	150"	165"	180"
L	54"	63"	72"	81"	90"	99"	108"
E	12"	14"	16"	18"	20"	22"	24"

NOTE:

1. ALL CONCRETE SHALL BE TYPE "C" PER SPEC. 403S
2. CHAMFER ALL EXTERNAL VISIBLE CORNERS.
3. DISSIPATOR BLOCKS REQUIRED ON DISCHARGE HEADWALLS ONLY.
4. DISCHARGE VELOCITIES GREATER THAN 6 FEET/SECOND AFTER DISSIPATOR ALSO REQUIRE ROCK OUTLET PROTECTION.
5. DETAIL IS NOT FOR PIPES WITH EXIT VELOCITIES EXCEEDING 15 FEET PER SECOND.
6. ALL SPACING FOR CAST-IN-PLACE HEADWALLS AND DISSIPATORS.
7. ANY WALL THICKER THEN 6" WILL BE DOUBLE MATTED WITH REINFORCEMENT REBAR.

The City of San Marcos Engineering and Capital Improvements	CURRENT AS OF 1/1/2020	TYPICAL HEADWALL AND ENERGY DISSIPATOR	
RECORDED COPY SIGNED BY LAURIE MOYER, P.E.	11/18/2014 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	508S-13-SM N.T.S. STANDARD DETAIL