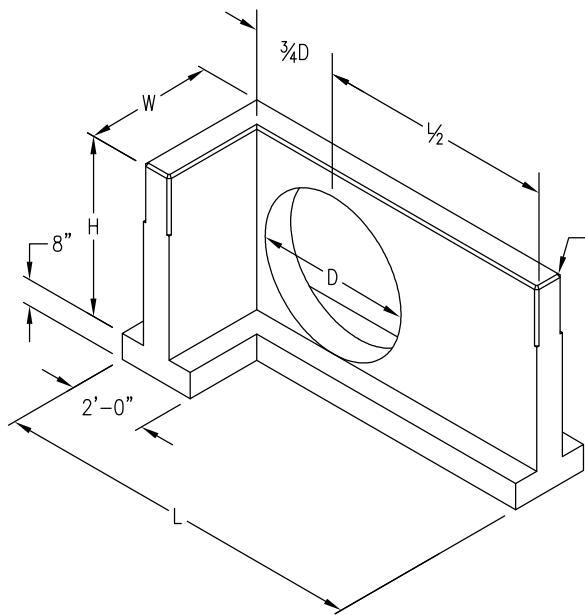


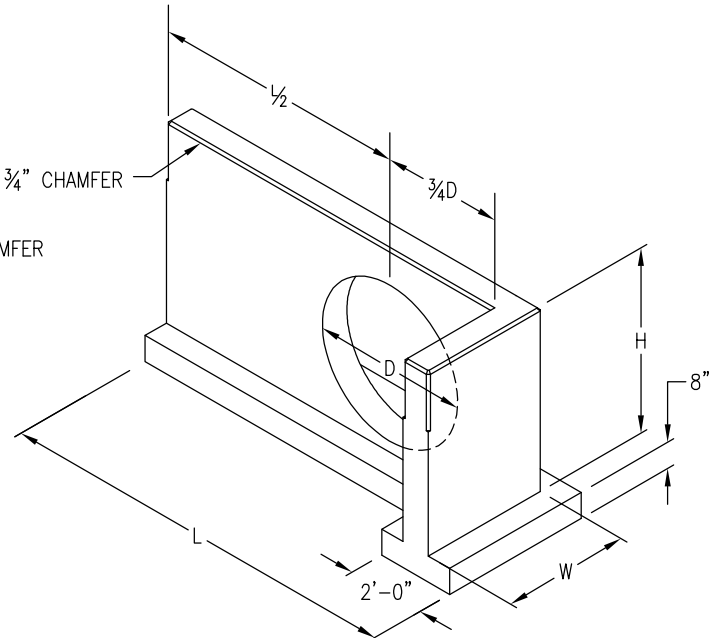
NOTES:

1. CORRUGATED METAL PIPE ARCH CULVERT HEADWALLS ALSO AVAILABLE
2. REINFORCEMENT PER CALTRANS STANDARD PLAN D89

CDOT-13



LEFT HAND HEADWALL



RIGHT HAND HEADWALL

			LENGTH OF W														
			3'-4"			4'-10"			6'-4"			7'-10"			9'-4"		
D	H	L/2	STEEL LBS.	CONC. CYD.	WEIGHT LBS.	STEEL LBS.	CONC. CYD.	WEIGHT LBS.	STEEL LBS.	CONC. CYD.	WEIGHT LBS.	STEEL LBS.	CONC. CYD.	WEIGHT LBS.	STEEL LBS.	CONC. CYD.	WEIGHT LBS.
12"	2'-8"	2'-6"	50	0.79	3,200	60	0.98	3,970									
15"	2'-11"	3'-0"	55	0.91	3,685	65	1.11	4,495									
18"	3'-2"	3'-6"	65	1.04	4,215	75	1.25	5,065									
21"	3'-5"	3'-9"	75	1.15	4,660	90	1.36	5,510									
24"	3'-8"	4'-3"	85	1.29	5,225	100	1.51	6,115	110	1.74	7,045						
27"	3'-11"	4'-9"	90	1.44	5,835	105	1.67	6,765	115	1.91	7,735						
30"	4'-2"	5'-0"	95	1.55	6,275	110	1.80	7,290	120	2.05	8,300	135	2.29	9,275			
33"	4'-5"	5'-6"	105	1.71	6,925	120	1.97	7,980	135	2.23	9,030	150	2.48	10,045			
36"	4'-8"	6'-0"	110	1.88	7,615	125	2.15	8,710	140	2.41	9,760	155	2.68	10,855	170	2.95	11,950
39"	4'-11"	6'-3"				150	2.28	9,235	170	2.56	10,370	185	2.84	11,500	200	3.12	12,635
42"	5'-2"	6'-9"				155	2.42	9,075	175	2.76	11,260	190	3.05	12,350	210	3.34	13,525
45"	5'-5"	7'-3"							180	2.97	12,030	200	3.27	13,245	215	3.57	14,460
48"	5'-8"	7'-6"							190	3.13	12,680	215	3.44	13,930	230	3.75	15,185
51"	5'-11"	8'-0"										220	3.67	14,865	235	3.99	16,160
54"	6'-2"	8'-6"										235	3.91	15,835	250	4.24	17,175

DRAWING MAY NOT CONFORM TO THE
MOST CURRENT SPECIFICATION