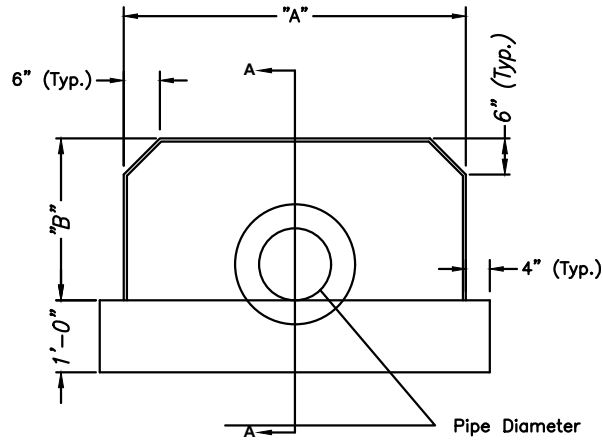


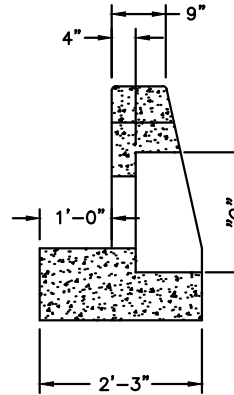
Pipe Diameter	Headwall Dimension			Structure Weight
	"A"	"B"	"C"	
12"	5'-0"	2'-6"	1'-8"	3,167#
15"			2'-0"	3,037#
18"			2'-4"	4,280#
21"	6'-0"	3'-2"	2'-8"	4,097#
24"			3'-0"	3,887#
27"			3'-2"	6,075#
30"	7'-0"	4'-4"	3'-4"	5,954#
36"			4'-0"	5,405#
42"	8'-0"	5'-6"	4'-6"	7,234#
48"			5'-4"	6,475#

GENERAL NOTES:

1. Concrete: 28 Day Compressive Strength $f'_c = 5,000$ psi
2. Steel Reinforcement: ASTM A-615, Grade 60
3. Cover to Steel-1" Minimum
4. Headwalls are Designed to Meet ASTM C858 and ACI 318 with AASHTO HS-20 Loading
5. All Exposed Surfaces Have A $3/4"$ Chamfer



FRONT VIEW



SECTION A-A

STANDARD HEADWALL DETAIL

N.T.S