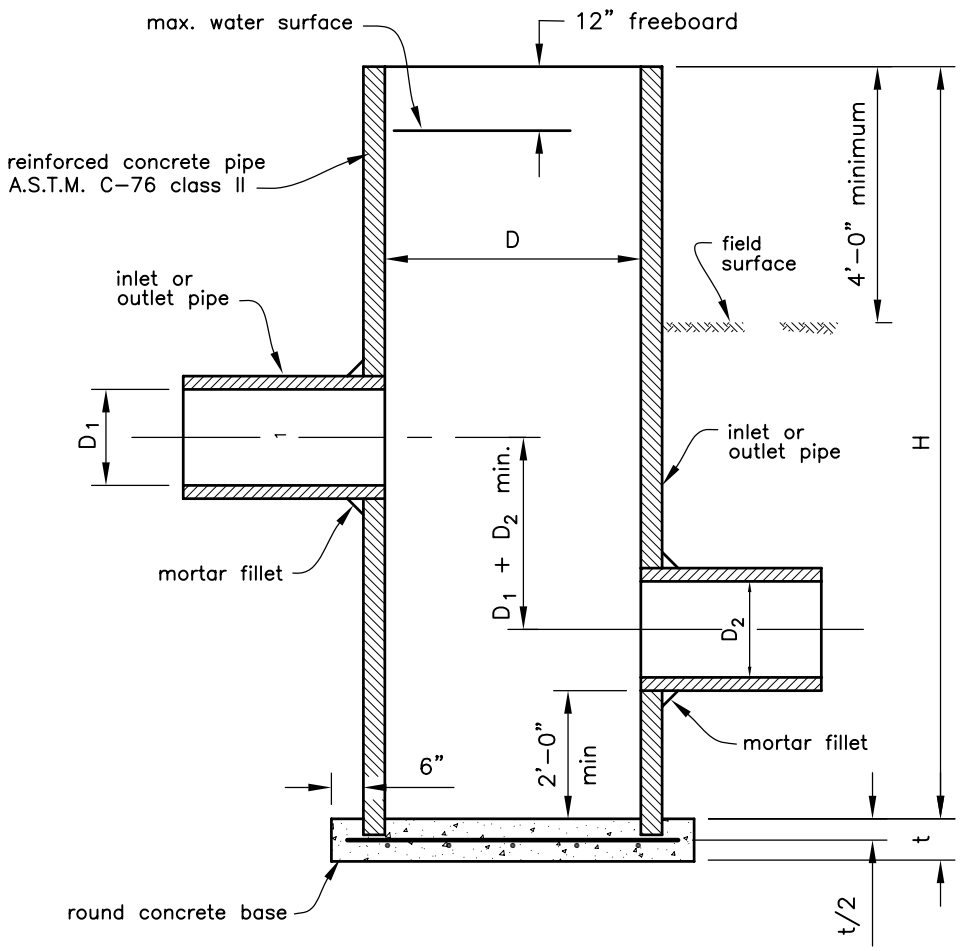

SECTIONAL ELEVATION

Max Q		D	Concrete Base					
			H=10' or less		H=more than 10'		Reinforcing Steel	
c.f.s.	g.p.m.	inches	t	cu. yd.	t	cu. yd.	Size	Length
1.22	550	30	6"	23	8"	30	#3	21'
1.49	670	33	8"	35	8"	35	#3	22'
1.77	795	36	8"	39	8"	39	#3	23'
2.40	1075	42	8"	50	8"	50	#3	38'
3.14	1410	48	8"	62	8"	62	#4	46'
3.98	1785	54	8"	76	8"	76	#4	53'
4.90	2200	60	8"	91	8"	91	#4	71'

D = Diameter of vertical concrete pipe
D_1 = Diameter of inlet or outlet pipe
D_2 = Diameter of inlet or outlet pipe
t = Thickness of concrete base
H = Height of vertical concrete pipe above top of concrete base
Q = Discharge through structure in c.f.s. and g.p.m.

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Practice Code _____ Job Class _____

Drawing not to scale

	Date	CAD FILE NAME	CONCRETE PIPE SAND TRAP
Designed		OR_SANDTRAP_CONC_PIPE.DWG	FOR CONCRETE PIPELINES
Drawn	2/2005	DRAWING NO.	
Checked		SHEET OF	IRRIGATION
Approved		NRCS U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE	