

PIPE SUPPORT PIER FOR WATER CROSSING

PIPE DIAMETER	STEM DIAMETER "D"	STEM HEIGHT "H"	STEM REINF. BARS "A"	FOOTING SIZE			FOOTING REINF. BARS "X"(L)	FOOTING REINF. BARS "Y"(W)	STEM CONC. VOL. / VERT. FT. CU. YARDS	STEM STEEL WT./ VERT. FT. POUNDS	FOOTING CONC. VOL. CU. YARDS	FOOTING STEEL WT. LBS.
				"L"	"T"	"W"						
8" TO 10"	2'-6"	1' - 3'	10 #4	8'-0"	2'-0"	5'-6"	6 #5	9 #4	0.18	9.04	3.26	77.0
		4' - 6'	10 #5	10'-0"	2'-6"	5'-0"	6 #5	11 #4		12.79	4.63	92.5
		7' - 9'	10 #5	11'-0"	2'-8"	6'-0"	7 #6	12 #5		12.79	6.52	179.2
		10' - 12'	10 #6	12'-0"	3'-0"	7'-0"	8 #6	13 #5		17.38	9.33	226.3
12" TO 16"	3'-0"	1' - 3'	10 #4	10'-0"	2'-6"	5'-0"	6 #5	11 #4	0.26	9.63	4.63	92.5
		4' - 6'	10 #5	12'-0"	2'-8"	5'-0"	6 #6	13 #5		13.38	5.92	164.6
		7' - 9'	10 #6	13'-0"	3'-0"	6'-0"	7 #7	14 #5		17.97	8.67	259.2
		10' - 12'	10 #8	14'-0"	3'-0"	6'-0"	7 #8	15 #6		26.65	9.33	376.2
18" TO 20"	3'-6"	1' - 3'	14 #5	11'-0"	2'-6"	5'-0"	6 #5	12 #5	0.36	18.14	5.09	122.0
		4' - 6'	14 #6	12'-0"	3'-0"	6'-0"	7 #6	13 #5		24.57	8.00	195.5
		7' - 9'	14 #6	14'-0"	3'-0"	6'-0"	7 #7	15 #6		24.57	9.33	317.1
		10' - 12'	14 #8	15'-0"	3'-6"	6'-0"	7 #8	16 #6		40.92	11.67	403.2
24"	3'-6"	1' - 3'	14 #5	11'-0"	2'-6"	6'-0"	7 #5	12 #5	0.36	18.14	6.11	145.5
		4' - 6'	14 #6	13'-0"	3'-0"	6'-0"	7 #6	14 #6		24.57	8.67	247.1
		7' - 9'	14 #6	14'-0"	3'-4"	7'-0"	8 #7	15 #6		24.57	12.10	367.2
		10' - 12'	14 #8	15'-0"	4'-0"	7'-0"	8 #8	16 #6		40.92	15.56	465.9



REVISIONS		
DATE	BY	DESCRIPTION
2020	TCZ	NEW DETAIL
8/24/22	BGM	CHANGE FONT, TITLE BLOCK

PIPE SUPPORT PIER
FOR WATER CROSSING

DWG. NO.

5.08.5