TABLE 1-1 (Continued)

Schedule of Barrel Thickness for Water Pipe of 18/40 Iron Strength

Laying Condition	Depth of Cover ft	Thickness Specifications	Internal Pressure—psi						
			50	100	150	200	250	300	350
			Barrel Thicknesses—in.						

Twelve-Inch Water Pipe

Laying Condition	Depth of Cover ft	Thickness Specifications	50	100	150	200	250	300	350
A	2½	Calculated Thickness	.45*	.46*	.47*	.49*	.51*	.53*	.55*
		Use {Thickness Class	22	22	22	22	23	23	24
		{Thickness	.48	.48	.48	.48	.52	.52	.56
	3½	Calculated Thickness	.43*	.45*	.46*	.48*	.50*	.51	.55
		Use {Thickness Class	22	22	22	22	23	23	24
		{Thickness	.48	.48	.48	.48	.52	.52	.56
	5	Calculated Thickness	.45*	.46*	.47*	.49	.52	.54	.57
		Use {Thickness Class	22	22	22	22	23	24	24
		{Thickness	.48	.48	.48	.48	.52	.56	.56
	8	Calculated Thickness	.50	.52	.53	.55	.57	.60	.62
		Use {Thickness Class	23	23	23	24	24	25	25
		{Thickness	.52	.52	.52	.56	.56	.60	.60
	12	Calculated Thickness	.56	.57	.59	.60	.62	.64	.67
		Use {Thickness Class	24	24	25	25	25	26	26
		{Thickness	.56	.56	.60	.60	.60	.65	.65
	16	Calculated Thickness	.59	.60	.61	.63	.65	.67	.69
		Use {Thickness Class	25	25	25	26	26	26	27
		{Thickness	.60	.60	.60	.65	.65	.65	.70
B	2½	Calculated Thickness	.42*	.44*	.45*	.46*	.48*	.50*	.53*
		Use {Thickness Class	22	22	22	22	22	23	23
		{Thickness	.48	.48	.48	.48	.48	.52	.52
	3½	Calculated Thickness	.41*	.42*	.44*	.45*	.47*	.51	.55
		Use {Thickness Class	22	22	22	22	22	23	24
		{Thickness	.48	.48	.48	.48	.48	.52	.56
	5	Calculated Thickness	.42*	.43*	.45*	.47	.50	.53	.56
		Use {Thickness Class	22	22	22	22	23	23	24
		{Thickness	.48	.48	.48	.48	.52	.52	.56
	8	Calculated Thickness	.48	.49	.51	.53	.55	.57	.60
		Use {Thickness Class	22	22	23	23	24	24	25
		{Thickness	.48	.48	.52	.52	.56	.56	.60
	12	Calculated Thickness	.53	.54	.56	.57	.59	.61	.64
		Use {Thickness Class	23	24	24	24	25	25	26
		{Thickness	.52	.56	.56	.56	.60	.60	.65
	16	Calculated Thickness	.55	.57	.58	.60	.62	.64	.66
		Use {Thickness Class	24	24	25	25	25	26	26
		{Thickness	.56	.56	.60	.60	.60	.65	.65
F	2½	Calculated Thickness	.39*	.40*	.41*	.43*	.45*	.49	.53
		Use {Thickness Class	22	22	22	22	22	22	23
		{Thickness	.48	.48	.48	.48	.48	.48	.52
	3½	Calculated Thickness	.38*	.39*	.40*	.42*	.45	.50	.53
		Use {Thickness Class	22	22	22	22	22	23	23
		{Thickness	.48	.48	.48	.48	.48	.52	.52
	5	Calculated Thickness	.39*	.40*	.41*	.43*	.46	.50	.54
		Use {Thickness Class	22	22	22	22	22	23	24
		{Thickness	.48	.48	.48	.48	.48	.52	.56
	8	Calculated Thickness	.44	.45	.47	.49	.52	.55	.58
		Use {Thickness Class	22	22	22	22	23	24	25
		{Thickness	.48	.48	.48	.48	.52	.56	.60
	12	Calculated Thickness	.48	.49	.51	.53	.55	.58	.61
		Use {Thickness Class	22	22	23	23	24	25	25
		{Thickness	.48	.48	.52	.52	.56	.60	.60
	16	Calculated Thickness	.50	.52	.53	.55	.57	.59	.62
		Use {Thickness Class	23	23	23	24	24	25	25
		{Thickness	.52	.52	.52	.56	.56	.60	.60

* Asterisk following total calculated thickness indicates that truck superload (Case 2) is the controlling factor. When total calculated thickness is not followed by asterisk, surge pressure (Case 1) is the controlling factor. See Sec. 1-2.1.