

Fill Height Tables are based on:

- 1) A soil weight of 120 lbs/ft³
- 2) AASHTO HS20 live load
- 3) Embankment installation

Type 1 Beddings

	Class I		Class IV
	Class II		Class V
	Class III		Special Design

Pipe i.d. (inches)	Fill Height (feet)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	1125	600	425	375	375	400	400	450	475	525	575	625	675	725	750
15	1050	575	400	375	375	400	400	425	475	525	575	600	650	700	750
18	1000	550	400	375	375	400	400	425	475	525	575	600	650	700	750
21	950	525	375	350	375	400	400	425	475	525	575	600	650	700	750
24	925	525	375	350	375	400	400	425	475	525	575	625	650	700	750
27	875	500	375	350	375	400	400	425	475	525	575	625	675	700	750
30	825	500	375	350	375	400	400	450	475	525	575	625	675	725	775
33	775	475	375	350	375	400	400	450	500	525	575	625	675	725	775
36	750	475	350	350	375	400	400	450	500	550	575	625	675	725	775
42	650	475	350	350	375	400	400	450	500	550	600	650	675	725	775
48	600	450	350	350	375	400	400	450	500	550	600	650	700	750	800
54	575	400	350	350	375	400	425	450	500	550	600	650	700	750	800
60	550	400	350	350	375	400	425	475	500	550	600	650	700	750	800
66	525	375	325	350	375	400	425	475	525	575	625	650	700	750	800
72	525	375	325	350	375	400	425	475	525	575	625	675	725	775	825
78	475	375	325	350	375	425	425	475	525	575	625	675	725	775	825
84	450	375	325	350	375	425	450	475	525	575	625	675	725	775	825
90	400	375	325	350	375	425	450	500	525	600	625	675	725	775	825
96	375	375	325	350	375	425	450	500	550	600	650	700	750	800	850

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Pipe i.d. (inches)	Fill Height (feet)														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
15	800	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475
18	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475
21	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1450
24	800	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475
27	800	850	900	950	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475
30	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1325	1375	1425	1475
33	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
36	825	875	925	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
42	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
48	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
54	825	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525
60	825	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
66	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
72	850	900	950	1000	1050	1100	1150	1200	1250	1300	1375	1425	1475	1525	1575
78	850	900	950	1000	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1575
84	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1575
90	875	925	975	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1600
96	875	925	975	1025	1075	1125	1175	1225	1300	1350	1400	1450	1500	1550	1600

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Pipe i.d. (Inches)	Fill Height (feet)														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
12	1550	1600	1650	1700	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225
15	1525	1575	1625	1675	1725	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
18	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
21	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2175
24	1525	1575	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
27	1525	1575	1625	1675	1725	1775	1825	1875	1900	1950	2000	2050	2100	2150	2200
30	1525	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225
33	1550	1600	1650	1700	1750	1800	1850	1900	1950	1975	2025	2075	2125	2175	2225
36	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
42	1575	1625	1675	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
48	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275
54	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275
60	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300
66	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2325
72	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275	2325
78	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2300	2350
84	1625	1675	1725	1775	1825	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350
90	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350
96	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2175	2225	2275	2325	2375

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	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
12	2275	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975
15	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2725	2775	2825	2875	2925
18	2225	2275	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925
21	2225	2275	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925
24	2250	2300	2350	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925
27	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2775	2825	2875	2925
30	2275	2325	2375	2425	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
33	2275	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975
36	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000
42	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000
48	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975	3025
54	2325	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975	3025
60	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
66	2375	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975	3025	3075
72	2375	2425	2475	2525	2575	2625	2675	2750	2800	2850	2900	2950	3000	3050	3100
78	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100
84	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2975	3025	3075	3125
90	2400	2450	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975	3025	3075	3125
96	2425	2475	2525	2575	2625	2675	2725	2775	2825	2875	2925	2975	3050	3100	3150