

TABLE A3 FILL LOADS  
WIDE TRENCH

PIPE DIAMETER

Cover	100	150	200	225	300	375	400	450	600	800	700	800	900	1000	Cover
m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	m
0.6	2.40	3.49	4.48	5.09	6.02	7.01	7.45	8.02	8.78	10.06	11.41	12.87	14.33	15.79	0.6
0.7	2.61	4.08	5.24	5.87	7.43	8.58	9.26	9.71	10.96	12.08	13.62	15.22	17.02	18.72	0.7
0.8	3.21	4.68	6.01	6.95	8.99	10.23	10.80	11.52	12.48	14.21	15.98	17.87	19.80	21.74	0.8
0.9	3.62	5.27	6.77	7.72	10.14	11.89	12.67	13.46	14.52	16.44	18.29	20.53	22.68	24.86	0.9
1.0	4.02	5.86	7.53	8.59	11.50	13.24	14.37	15.54	16.69	18.78	20.93	23.29	25.67	28.07	1.0
1.1	4.43	6.45	8.30	9.47	12.46	14.60	15.84	17.28	18.00	21.28	23.59	26.16	28.77	31.39	1.1
1.2	4.84	7.06	9.06	10.34	13.69	15.96	17.31	19.09	21.19	23.88	26.37	29.15	31.97	34.82	1.2
1.3	5.24	7.84	9.83	11.21	14.78	17.30	18.78	20.67	23.00	26.81	29.27	32.26	35.28	38.26	1.3
1.4	5.65	8.23	10.59	12.09	15.91	18.66	20.25	22.24	24.81	29.34	32.31	35.48	38.71	41.89	1.4
1.5	6.06	8.82	11.36	12.94	17.07	20.01	21.72	23.86	26.52	31.48	35.50	38.84	43.27	45.75	1.5
1.6	6.46	9.42	12.12	13.83	18.22	21.36	23.19	25.47	28.43	33.63	38.00	42.33	45.94	49.62	1.6
1.7	6.88	10.01	12.88	14.71	19.37	22.72	24.86	27.09	30.24	35.78	41.28	45.96	49.76	53.62	1.7
1.8	7.27	10.80	13.65	15.58	20.63	24.07	26.13	28.71	32.05	37.93	43.77	49.74	53.68	57.76	1.8
1.9	7.67	11.30	14.41	16.45	21.88	25.42	27.61	30.31	33.84	40.07	46.25	52.33	57.77	62.01	1.9
2.0	8.08	11.79	15.17	17.33	23.84	26.78	29.08	31.95	36.67	42.27	48.74	55.76	62.00	66.41	2.0
2.1	8.48	12.38	15.94	18.20	23.89	28.13	30.58	33.56	37.48	44.37	51.23	58.84	66.00	70.84	2.1
2.2	8.89	13.07	16.70	19.07	25.14	29.48	32.02	35.18	39.29	46.57	53.71	61.45	69.23	75.61	2.2
2.3	9.29	13.86	17.47	19.94	26.36	30.84	33.48	36.89	41.10	48.69	56.20	64.34	72.46	80.44	2.3
2.4	9.70	14.16	18.23	20.82	27.48	32.19	34.98	38.42	42.90	50.81	58.68	67.20	75.57	84.10	2.4
2.5	10.11	14.75	18.99	21.69	28.60	33.54	36.43	40.64	44.71	52.90	61.17	70.35	78.89	87.69	2.5
2.6	10.51	15.24	19.76	22.56	29.76	34.90	37.90	41.66	46.52	55.11	63.66	72.91	82.11	91.28	2.6
2.7	10.92	15.93	20.52	23.44	30.93	36.25	39.37	43.27	48.33	57.28	66.14	75.76	85.33	94.87	2.7
2.8	11.32	16.63	21.29	24.31	32.07	37.60	40.84	44.89	50.14	59.40	68.63	78.81	88.96	98.46	2.8
2.9	11.73	17.12	22.06	25.18	33.22	38.86	42.32	46.61	51.95	61.56	71.11	81.47	91.79	102.04	2.9
3.0	12.13	17.71	22.82	26.06	34.37	40.31	43.79	48.12	53.76	63.70	73.60	84.33	96.00	106.63	3.0
3.1	12.64	18.30	23.58	26.93	35.53	41.66	45.26	49.78	55.57	65.85	76.09	87.17	96.22	108.22	3.1
3.2	13.04	18.90	24.34	27.80	36.68	43.07	46.73	51.36	57.38	67.98	78.87	90.03	101.44	112.81	3.2
3.3	13.55	19.49	25.11	28.68	37.84	44.37	48.20	52.98	59.18	70.14	81.06	92.88	104.66	116.40	3.3
3.4	13.95	20.08	25.87	29.56	38.99	45.72	49.67	54.50	61.00	72.29	83.54	95.74	107.88	118.99	3.4
3.5	14.36	20.67	26.64	30.42	40.14	47.08	51.14	56.22	62.81	74.44	86.03	98.59	111.11	123.56	3.5
3.6	14.86	21.27	27.40	31.30	41.38	48.43	52.61	57.84	64.62	76.69	88.57	101.44	114.33	127.17	3.6
3.7	14.97	21.86	28.16	32.17	42.48	49.78	54.08	59.48	66.43	78.73	91.00	104.30	117.66	130.78	3.7
3.8	15.38	22.45	28.93	33.04	43.64	51.14	55.56	61.07	68.24	80.88	93.49	107.16	120.77	134.38	3.8
3.9	15.78	23.04	29.69	33.92	44.76	52.48	57.03	62.69	70.04	83.03	96.97	110.90	123.90	137.94	3.9
4.0	16.19	23.64	30.46	34.79	45.81	53.84	58.50	64.31	71.85	85.17	98.46	112.86	127.21	141.53	4.0
4.1	16.59	24.23	31.22	35.65	47.07	55.20	59.97	65.93	73.66	87.32	100.96	115.71	130.43	145.12	4.1
4.2	17.00	24.82	31.98	36.54	48.22	56.55	61.44	67.54	75.47	89.47	103.43	118.87	133.68	148.70	4.2
4.3	17.40	25.41	32.75	37.41	49.37	57.91	62.91	69.16	77.38	91.62	105.92	121.42	136.95	152.29	4.3
4.4	17.81	26.01	33.51	38.28	50.53	59.26	64.36	70.76	79.09	93.77	108.46	124.27	140.10	155.88	4.4
4.5	18.21	26.60	34.28	39.15	51.68	60.61	65.85	72.40	80.90	95.91	110.89	127.13	143.32	159.47	4.5
4.6	18.62	27.19	35.04	40.03	52.84	61.96	67.32	74.02	82.71	98.06	113.28	129.98	146.54	163.06	4.6
4.7	19.02	27.78	35.80	40.90	53.99	63.32	68.79	75.64	84.52	100.21	115.66	132.83	149.76	166.65	4.7
4.8	19.43	28.38	36.57	41.77	55.14	64.67	70.26	77.25	86.33	102.36	118.26	135.49	152.99	170.24	4.8
4.9	19.84	28.97	37.33	42.65	56.30	66.02	71.74	78.87	88.14	104.50	120.83	138.54	156.21	173.83	4.9
5.0	20.24	29.56	38.10	43.52	57.46	67.38	73.21	80.49	89.96	106.65	123.32	141.39	159.43	177.40	5.0
5.1	20.65	30.16	38.86	44.39	58.60	68.72	74.88	82.11	91.78	108.80	125.80	144.25	162.65	181.01	5.1
5.2	21.06	30.75	39.62	45.27	59.76	70.08	76.18	83.74	93.57	110.95	128.29	147.10	165.87	184.60	5.2
5.3	21.46	31.34	40.39	46.14	60.91	71.44	77.62	85.34	95.38	113.09	130.76	149.96	169.00	188.19	5.3
5.4	21.86	31.93	41.15	47.01	62.07	72.79	79.09	86.96	97.18	115.24	133.25	152.81	172.31	191.78	5.4
5.5	22.27	32.52	41.92	47.89	63.22	74.14	80.66	88.58	98.99	117.39	135.75	155.66	175.54	195.36	5.5
5.6	22.67	33.12	42.68	48.76	64.37	75.60	82.02	90.20	100.80	119.54	138.23	158.52	178.76	198.95	5.6
5.7	23.08	33.71	43.44	49.63	65.53	76.85	83.50	91.82	102.61	121.69	140.72	161.37	181.96	202.54	5.7
5.8	23.48	34.30	44.21	50.51	66.68	78.20	84.97	93.43	104.42	123.83	143.21	164.22	185.20	206.13	5.8
5.9	23.89	34.89	44.97	51.38	67.84	79.56	86.48	95.08	106.23	125.98	145.69	167.08	188.42	209.72	5.9
6.0	24.29	35.48	45.74	52.25	69.00	80.91	87.92	96.67	108.04	128.13	148.15	169.93	191.64	213.31	6.0
6.1	24.70	36.08	46.50	53.13	70.14	82.26	89.38	98.29	109.86	130.28	150.66	172.79	194.86	216.90	6.1
6.2	25.11	36.67	47.26	54.00	71.30	83.62	90.86	99.91	111.66	132.42	153.18	175.44	198.09	220.48	6.2
6.3	25.51	37.26	48.03	54.87	72.46	84.97	92.33	101.83	113.47	134.57	155.64	178.49	201.31	224.06	6.3
6.4	25.92	37.85	48.79	55.75	73.60	86.32	93.80	103.14	115.28	136.72	158.12	181.36	204.53	227.64	6.4
6.5	26.32	38.45	49.56	56.62	74.76	87.68	95.27	104.76	117.08	138.87	160.61	184.20	207.75	231.26	6.5
6.6	26.73	39.04	50.32	57.48	75.91	89.03	96.74	106.36	118.90	141.01	163.06	187.05	210.87	234.85	6.6
6.7	27.13	39.63	51.08	58.38	77.07	90.38	98.21	108.00	120.71	143.10	165.58	189.91	214.19	238.44	6.7
6.8	27.54	40.23	51.85	59.24	78.22	91.74	99.68	109.82	122.51	145.31	168.07	192.76	217.41	242.02	6.8
6.9	27.94	40.82	52.61	60.11	79.37	93.09	101.16	111.23	124.32	147.46	170.55	195.62	220.64	245.61	6.9
7.0	28.35	41.41	53.38	60.98	80.52	94.44	102.63	112.85	126.13	149.60	173.04	198.47	223.86	249.20	7.0
7.1	28.75	42.01	54.14	61.86	81.66	95.80	104.10	114.47	127.94	151.70	175.52	201.32	227.08	252.79	7.1
7.2	29.16	42.60	54.90	62.73	82.84	97.16	105.57	116.05	129.75	153.80	178.01	204.18	230.30	256.38	7.2
7.3	29.56	43.19	55.67	63.60	83.96	98.50	107.04	117.71	131.56	155.90	180.50	207.03	233.52	259.97	7.3
7.4	29.97	43.79	56.43	64.48	85.14	99.88	108.51	119.32	133.37	157.99	182.98	209.88	236.74	263.56	7.4
7.5	30.38	44.38	57.20	65.36	86.30	101.21	109.98	120.84	135.18	160.34	185.47	212.74	239.97	267.15	7.5
7.6	30.78	44.97	57.96	66.22	87.45	102.56	111.45	122.56	136.99	162.40	187.96	215.59	243.19	270.74	7.6
7.7	31.19	45.56	58.72	67.10	88.60	103.91	112.92	124.19	138.80	164.64	190.44	218.45	246.41	274.33	7.7
7.8	31.59	46.15	59.49	67.97	89.76	105.27	114.39	125.80	140.61	166.79	192.93	221.30	249.63	277.92	7.8
7.9															