

Conduit FlexTable: Hydraulic Calculations (strmcad_13-0109.stc)

Current Time: 0.000 min

Label	Diameter (ft)	Length (ft)	Manning's n	Bend Angle (degrees)	Slope (ft/ft)	Flow (ft³/s)	Excess Capacity (Full Flow) (ft³/s)	Capacity (Full Flow) (ft³/s)	Velocity (ft/s)	Velocity (ft/s)	Start Node	Stop Node	Invert (Upstream) (ft)	Invert (Downstream) (ft)	Elevation Ground (Start) (ft)	Elevation Ground (Stop) (ft)	Hydraulic Grade In (ft)	Hydraulic Grade Out (ft)	Headloss (ft)	Notes
327-326	12	34.6	0.013	90.00	0.02	0.52	4.48	5.00	2.64	1.01	327	326	566.86	566.17	572.40	572.40	567.16	566.80	0.36	
326-EX249	12	106.3	0.013	54.41	0.01	1.42	2.14	3.56	3.58	1.81	326	EX 249	566.17	565.11	572.40	568.69	566.67	566.25	0.43	
CO-206	12	34.6	0.013	35.60	0.01	0.35	3.21	3.56	0.52	0.45	EX 250	EX 249	565.46	565.11	568.69	568.69	566.27	566.27	0.00	
EX249-EX245	15	57.8	0.013	61.12	0.01	2.79	3.67	6.46	2.42	2.27	EX 249	EX 246	565.11	564.53	568.69	570.82	566.22	566.13	0.10	
EX246-EX247	24	107	0.013	80.45	0.003	10.77	46.13	56.90	5.60	5.23	EX 246	EX 247	564.53	564.93	576.90	569.00	567.86	567.19	2.57	
EX247A-EX247	12	39.2	0.013	47.99	0.00	1.27	7.47	8.75	4.70	4.70	EX 247	EX 246	564.93	564.53	569.00	570.82	566.18	566.05	0.13	
EX247-EX246	24	67.5	0.013	78.81	0.006	12.04	5.43	17.48	5.85	6.42	EX 246	EX 245	564.53	564.22	570.82	570.82	565.91	565.91	0.12	
EX246-EX245	24	34.6	0.013	0.02	0.006	15.43	2.09	17.52	6.08	5.75	EX 245	EX 244	564.22	563.54	570.82	569.00	565.82	565.06	0.76	
EX245-EX244	24	125.7	0.013	46.60	0.006	16.23	1.57	17.80	6.42	6.33	EX 244	EX 243	563.54	563.00	569.00	565.00	565.06	564.45	0.61	
EX244-EX243	24	90	0.013	0.00	0.006	16.23	1.29	17.52	6.33	6.64	EX 243	EX 242	563.00	562.54	569.00	565.00	565.06	564.45	0.61	
275-274	12	34.6	0.013	0.00	0.008	0.61	2.58	3.19	0.78	0.78	274	274	544.16	543.88	548.08	548.08	545.49	545.48	0.01	
274-273	15	120.6	0.013	0.00	0.008	1.18	4.57	5.75	0.96	0.96	274	273	543.88	542.92	548.08	549.18	545.47	545.43	0.04	
273-266	15	13.7	0.013	37.62	0.008	1.80	3.92	5.73	1.47	1.47	273	266	542.92	542.81	549.18	550.37	545.42	545.42	0.01	
288-277	12	36.4	0.013	90.50	0.041	0.40	6.78	7.17	2.36	0.45	288	277	547.05	545.59	551.02	551.17	547.29	547.35	-0.06	
290-289	12	45.2	0.013	92.95	0.03	0.26	5.93	6.19	2.17	3.91	290	289	549.94	548.58	554.07	552.86	550.15	548.72	1.43	
289-278	12	36.2	0.013	45.73	0.02	0.47	4.60	5.07	0.60	0.60	289	278	548.58	545.87	552.86	552.90	547.70	547.69	0.01	
292-291	12	7.2	0.013	74.80	0.02	0.57	4.47	5.04	2.69	1.57	292	291	552.14	550.70	557.57	555.04	552.45	551.16	1.29	
291-279	12	35.9	0.013	74.05	0.02	0.88	4.16	5.04	3.05	1.10	291	279	550.70	549.98	555.78	555.55	551.09	551.09	0.00	
296-285	12	34.6	0.013	82.40	0.049	0.50	7.42	7.92	2.61	1.02	296	285	585.56	583.83	589.08	589.08	585.85	584.43	1.42	
287-286	12	34.6	0.013	82.08	0.059	0.38	8.28	8.66	2.42	1.01	287	286	596.18	594.11	599.83	599.83	596.44	594.60	1.84	
286-285	12	128.4	0.013	17.17	0.08	0.83	9.16	10.10	3.13	1.57	286	285	594.11	583.83	599.83	599.83	594.52	584.56	9.95	
285-284	12	101.1	0.013	15.51	0.08	1.96	8.12	10.08	4.01	2.97	285	284	583.83	575.74	589.08	589.08	584.43	576.52	7.99	
284-283	12	105.5	0.013	13.84	0.08	2.42	7.63	10.05	4.26	3.08	284	283	575.74	567.30	589.08	589.08	576.41	568.38	8.03	
295-283	12	34.6	0.013	84.12	0.02	0.65	4.35	5.00	2.82	0.96	295	283	567.99	567.30	571.94	571.94	568.33	568.10	0.22	
283-282	12	79.2	0.013	16.13	0.08	3.51	6.58	10.09	5.21	4.47	283	282	567.30	560.96	571.94	566.72	568.10	562.24	5.86	
294-282	12	34.6	0.013	79.83	0.02	0.58	4.46	5.04	2.71	0.77	294	282	561.66	560.96	566.64	566.72	561.98	561.88	0.11	
282-281	12	135	0.013	20.64	0.034	4.49	2.10	6.59	6.10	5.72	282	281	560.96	556.34	566.72	566.99	561.85	557.55	4.29	
293-281	12	34.6	0.013	79.50	0.02	0.53	4.51	5.04	2.64	0.68	293	281	557.04	556.34	561.13	560.99	557.34	557.30	0.04	
281-280	15	154.8	0.013	5.51	0.03	5.54	5.64	11.18	5.51	4.81	281	280	556.34	551.70	560.99	556.98	557.29	552.81	4.48	
280-279	15	57.3	0.013	0.74	0.03	6.02	5.20	11.22	5.76	4.90	280	279	551.70	549.98	560.99	555.22	552.69	551.29	1.40	
279-278	15	106.1	0.013	46.22	0.039	7.24	5.58	12.72	6.43	5.87	279	278	549.98	545.87	555.55	552.90	551.05	547.69	3.36	
278-277	18	28.2	0.013	42.53	0.01	8.22	2.48	10.50	4.63	4.63	278	277	545.87	545.59	552.90	551.17	547.55	547.38	0.17	
277-268	30	105.6	0.013	89.50	0.01	9.11	31.91	41.01	2.44	1.83	277	268	545.59	544.54	551.17	554.76	547.35	547.34	0.01	
303-297	12	34.6	0.013	82.45	0.02	0.54	4.46	5.00	0.73	0.69	303	297	558.70	558.00	562.78	562.78	559.58	559.58	0.00	
304-298	12	35.3	0.013	84.36	0.02	0.50	4.57	5.07	2.61	4.12	304	298	568.12	567.41	572.20	571.83	568.41	567.62	0.79	
312-311	12	35.6	0.013	2.08	0.01	1.32	2.24	3.56	3.49	2.26	312	311	592.60	592.24	596.18	596.18	593.09	592.94	0.15	
311-310	12	129.2	0.013	86.26	0.01	2.14	1.42	3.56	4.14	2.72	311	310	592.24	590.95	596.18	595.84	592.86	591.98	0.89	
310-309	12	104	0.013	2.40	0.065	3.08	5.98	9.06	4.86	3.02	310	309	590.95	584.23	595.84	596.20	591.70	585.69	6.01	
315-315	12	172.5	0.013	84.60	0.01	1.18	2.39	3.57	3.26	1.51	315	315	591.51	589.78	595.25	594.00	591.57	590.76	1.21	
315-314	15	110.5	0.013	9.42	0.02	3.63	5.53	9.16	4.58	3.55	314	314	589.78	587.57	594.00	594.29	590.55	588.54	2.01	
314-313	18	35.1	0.013	9.43	0.02	5.22	9.63	14.85	4.85	3.81	314	313	587.57	586.87	594.29	594.29	588.45	587.96	0.49	
313-309	18	132.1	0.013	85.94	0.02	6.37	8.48	14.85	5.23	4.09	313	309	586.87	584.23	594.29	590.20	587.85	585.47	2.38	
309-308	18	133.1	0.013	2.30	0.044	10.28	11.79	22.07	6.61	5.94	309	308	584.23	578.36	590.20	583.01	585.46	579.78	5.68	
308-307	18	121.1	0.013	91.52	0.055	11.35	13.29	24.64	7.04	6.42	308	307	578.36	571.70	583.01	576.90	579.65	573.29	6.36	
307-299	24	114.7	0.013	85.05	0.01	12.31	10.31	22.62	5.00	5.15	307	299	571.70	570.55	576.90	573.93	572.96	571.97	0.99	
306-300	12	34.9	0.013	83.65	0.02	0.75	4.32	5.07	2.93	1.26	306	300	580.20	579.49	585.03	584.79	580.56	580.20	0.36	
302-301	12	34.6	0.013	90.00	0.02	0.75	4.25	5.00	2.93	1.56	302	301	591.65	590.96	596.25	596.25	592.01	591.55	0.46	
301-300	12	208.5	0.013	1.06	0.055	1.29	7.08	8.37	3.46	1.73	301	300	590.96	579.49	596.25	584.79	591.44	580.39	11.05	
300-299	12	129.7	0.013	7.16	0.069	2.72	6.62	9.34	4.58	3.47	300	299	579.49	570.55	584.79	580.20	572.16	572.16	8.03	
299-298	24	109.3	0.013	9.02	0.059	15.48	39.25	54.73	6.50	5.54	299	298	570.55	564.17	577.93	571.83	571.83	565.84	6.13	
305-298	12	117.4	0.013	84.82	0.01	1.12	2.44	3.56	3.56	3.56	298	298	564.17	558.01	571.83	562.78	565.68	559.82	5.86	
298-297	24	166.8	0.013	7.49	0.057	17.55	25.90	43.45	6.90	5.87	298	297	562.78	549.50	562.78	554.76	559.57	550.32	9.25	
297-268	24	156.2	0.013	87.01	0.055	18.74	34.09	52.83	7.14	15.38	297	268	554.76	545.81	551.43	551.43	547.22	547.22	2.33	
276-270	12	115.3	0.013	90.00	0.028	1.38	4.54	5.92	3.54	1.76	276	270	554.81	551.43	561.45	557.22	555.11	552.78	2.33	
324-319	12	115.6	0.013	79.27	0.01	0.96	2.60	3.56	3.15	1.22	324	319	578.75	578.59	582.43	585.46	580.16	579.71	0.45	
325-320	12	34.6	0.013	90.98	0.054	0.66	7.62	8.28	2.88	0.98	325	320	583.99	582.10	587.20	587.20	584.33	582.90	1.43	
326-321	12	102.3	0.013	90.00	0.01	0.78	2.78	3.56	2.96	1.33	326	321	583.99	582.79	588.80	588.80	584.18	583.49	0.69	
323-322	12	97.4	0.013	90.00	0.01	1.05	2.53	3.58	3.24	2.01	323	322	582.79	582.03	591.98	588.44	584.54	584.54	0.78	
322-321	12	104	0.013	0.00	0.041	1.46	5.74	7.19	3.61	2.10	322	321	582.03	582.79	592.98	588.80	58			