Pipe Size (m^2)	Span (mm)	Rise (mm)	Backfill	
			Flowable Backfill To V_c (m^3/m)	* K Factor for Structure Backfill Determination
0.17	575	365	0.96	2.62
0.31	770	490	1.37	3.37
0.38	865	550	1.57	3.69
0.47	960	610	1.72	3.93
0.59	1055	670	1.82	4.14
0.68	1150	730	2.05	4.44
0.82	1250	795	2.21	4.69
0.95	1345	855	2.38	4.93
1.20	1535	975	2.76	5.41
1.55	1730	1095	3.10	5.89
1.90	1920	1220	3.50	6.37
2.30	2110	1340	3.89	6.85
2.73	2305	1465	4.34	7.34
3.21	2495	1585	4.76	7.82
3.73	2690	1705	5.22	8.31
4.28	2880	1830	5.70	8.79
4.87	3070	1950	6.18	9.27
5.49	3265	2075	6.67	9.73
6.17	3455	2195	7.11	10.18
6.87	3648	2315	7.65	10.66
7.63	3840	2440	8.21	11.14
9.22	4225	2680	9.37	12.11
11.00	4610	2925	10.59	13.08

* Structure Backfill Quantity (m^3/m) = $[(T_c-V_c)/2][K+(T_c-V_c)/6]$

T_c = Trench Cover Depth (m), See 715-BKFL Series in the INDOT *Standard Drawings*.

METHOD 1 – FLOWABLE BACKFILL QUANTITIES
(Deformed Smooth Pipe)

Figure 17-2S