


QUANTITIES

SKEW ANGLE DEGREE	FLARE ANGLE DEGREE	NOMINAL PIPE DIAMETER	TWIN PIPE						ADDITIONAL PIPE	
			TYPE 1 SLOPE AT 1.5:1		TYPE 2 SLOPE AT 2:1		TYPE 3 SLOPE AT 3:1		CONC. VOLUME (m ³)	REINF. (m)
			CONC. VOLUME (m ³)	REINF. (m)	CONC. VOLUME (m ³)	REINF. (m)	CONC. VOLUME (m ³)	REINF. (m)		
15	30	600	1.85	43.7	2.09	44.8	2.57	47.1	0.46	18.8
		675	2.22	47.8	2.52	49.1	3.12	51.8	0.55	20.8
		750	2.61	51.9	2.98	53.4	3.72	56.5	0.66	22.6
		825	3.06	56.0	3.51	57.6	4.39	61.2	0.77	24.5
		900	3.55	60.1	4.07	62.0	5.13	65.9	0.90	26.5
		1050	4.89	68.7	5.66	71.0	7.21	75.7	1.23	30.5
		1200	6.17	76.9	7.18	79.6	9.20	85.1	1.57	34.2
30	30	600	2.22	47.3	2.52	48.6	3.12	51.5	0.54	20.1
		675	2.67	51.8	3.05	53.4	3.80	56.8	0.66	22.2
		750	3.16	56.3	3.63	58.1	4.55	62.0	0.78	24.2
		825	3.72	60.7	4.28	62.9	5.39	67.2	0.93	26.3
		900	4.33	65.3	4.98	67.7	6.30	72.6	1.09	28.4
		1050	6.00	74.7	6.97	77.6	8.91	83.5	1.50	32.7
		1200	7.61	83.7	8.87	87.0	11.39	93.9	1.92	36.8
45	20	600	2.86	54.2	3.21	55.8	3.91	59.2	0.75	22.9
		675	3.45	59.4	3.89	61.3	4.76	65.3	0.92	25.4
		750	4.10	64.6	4.64	66.8	5.71	71.3	1.11	27.7
		825	4.84	69.7	5.49	72.2	6.78	77.3	1.32	30.1
		900	5.65	75.0	6.41	77.7	7.94	83.5	1.57	32.5
		1050	7.84	85.7	8.96	89.1	11.21	96.0	2.17	37.5
		1200	10.00	96.1	11.46	100.0	14.39	108.1	2.82	42.3

NOTES :

1. REFER SD 1901 FOR CULVERT DETAILS.
2. ALL REINFORCEMENT BARS ARE 12 mm DIAMETER.
3. 10% ALLOWANCE HAS BEEN MADE FOR ON-SITE CUTTING AND SPLICING OF REINFORCEMENT

E				GENERAL NOTES / CROSS REFERENCES 1. THE QUANTITIES ARE PROVIDED AS A GUIDE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTORS AND USERS OF THIS DRAWING TO CHECK AND ENSURE THAT THE QUANTITIES ARE ACCURATE BEFORE THEY ARE USED.	 PRINCIPAL ROAD DESIGN ENGINEER'S DEPARTMENT	STANDARD DRAWING MASS CONCRETE WINGWALL QUANTITIES SKEW MULTIPLE PIPE CULVERTS 600 TO 1200 DIA. TYPES 1, 2 & 3					
D						APPROVED <i>J Cunningham</i>	DATE 12.95	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
C										SD 1902	
B											
A											
AMEND.	Appd.	Date		AMENDMENTS							