


QUANTITIES

SKEW ANGLE DEGREE	FLARE ANGLE DEGREE	NOMINAL PIPE DIAMETER	SINGLE 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)
15	30	600	1.39	24.8	1.63	25.9	2.11	28.2
		675	1.66	27.0	1.96	28.3	2.57	31.0
		750	1.96	29.2	2.33	30.7	3.07	33.9
		825	2.29	31.4	2.73	33.1	3.62	36.7
		900	2.64	33.7	3.17	35.5	4.22	39.5
		1050	3.66	38.3	4.43	40.5	5.98	45.3
		1200	4.61	42.7	5.61	45.3	7.63	50.9
30	30	600	1.68	27.1	1.98	28.5	2.58	31.4
		675	2.01	29.6	2.39	31.2	3.14	34.6
		750	2.38	32.0	2.84	33.9	3.76	37.8
		825	2.79	34.5	3.34	36.6	4.45	41.0
		900	3.23	36.9	3.89	39.3	5.21	44.2
		1050	4.50	42.0	5.47	44.9	7.41	50.8
		1200	5.69	46.9	6.95	50.2	9.47	57.2
45	20	600	2.11	31.2	2.46	32.9	3.16	36.2
		675	2.53	34.0	2.97	36.0	3.84	39.9
		750	3.00	36.8	3.53	39.1	4.60	43.6
		825	3.52	39.6	4.16	42.1	5.45	47.3
		900	4.08	42.5	4.85	45.2	6.37	51.0
		1050	5.67	48.2	6.80	51.6	9.05	58.5
		1200	7.18	53.8	8.65	57.7	11.58	65.8

NOTES :

- REFER SD 1881 FOR CULVERT DETAILS.
- ALL REINFORCEMENT BARS ARE 12 mm DIAMETER.
- 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 PIPE CULVERTS 600 TO 1200 DIA. TYPES 1, 2 & 3				
D						APPROVED <i>J Cunningham</i> DATE 1.2.95	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
C										
B										
A										
AMEND.	Appd.	Date		AMENDMENTS				SD 1882		