


QUANTITIES

NOMINAL PIPE DIAMETER	SINGLE PIPE						TWIN PIPE						ADDITIONAL PIPE	
	TYPE 1 SLOPE AT 1.5:1		TYPE 2 SLOPE AT 2:1		TYPE 3 SLOPE AT 3:1		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)	CONC. VOLUME (m ³)	REINF. (m)	CONC. VOLUME (m ³)	REINF. (m)	CONC. VOLUME (m ³)	REINF. (m)		
300	0.26	1.7	0.30	1.8	0.36	2.2	0.38	2.5	0.42	2.7	0.48	3.0	0.12	0.8
375	0.35	2.1	0.40	2.4	0.51	2.9	0.49	3.1	0.54	3.3	0.65	3.8	0.14	0.9
450	0.47	2.6	0.56	3.0	0.73	3.7	0.63	3.6	0.71	4.0	0.88	4.7	0.16	1.0
525	0.61	3.1	0.73	3.5	0.98	4.5	0.79	4.2	0.91	4.6	1.16	5.6	0.18	1.1

NOTES :

1. REFER TO SD 1851 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 PIPE CULVERTS 300 TO 525 DIA. TYPES 1, 2 & 3					
D						APPROVED	DATE	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
C						<i>J. Cunningham</i>	1.2.95			SD 1852	
B						PRINCIPAL RD ENGINEER					
A											
AMEND.	Appd.	Date		AMENDMENTS							