

QUANTITIES


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)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)
300	0.28	1.9	1.8	0.32	2.1	2.0	0.41	2.4	2.5
375	0.39	2.4	2.4	0.46	2.6	2.8	0.61	3.1	3.7
450	0.51	2.8	3.1	0.62	3.2	3.8	0.86	3.9	5.1
525	0.65	3.3	3.9	0.81	3.8	4.8	1.15	4.7	6.7

NOMINAL PIPE DIAMETER	TWIN PIPE								
	TYPE 1 SLOPE AT 1.5:1			TYPE 2 SLOPE AT 2:1			TYPE 3 SLOPE AT 3:1		
	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)
300	0.41	2.6	2.5	0.46	2.8	2.8	0.56	3.1	3.4
375	0.55	3.2	3.4	0.64	3.4	3.9	0.83	4.0	4.9
450	0.72	3.7	4.3	0.86	4.1	5.1	1.15	4.8	6.6
525	0.91	4.3	5.3	1.10	4.8	6.4	1.51	5.7	8.6

NOMINAL PIPE DIAMETER	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)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)	CONC. VOLUME (m ³)	BAR REINF. (m)	FABRIC REINF. (m ²)
300	0.13	0.7	0.7	0.14	0.7	0.8	0.15	0.7	0.9
375	0.17	0.8	0.9	0.18	0.8	1.0	0.21	0.8	1.2
450	0.21	0.9	1.2	0.23	0.9	1.3	0.28	0.9	1.5
525	0.26	1.0	1.4	0.29	1.0	1.6	0.36	1.0	1.9

NOTES :

1. REFER SD 1921 FOR CULVERT DETAILS.
2. ALL REINFORCEMENT BARS ARE 12 mm DIAMETER.
3. 10% ALLOWANCE HAS BEEN MADE FOR ON-SITE CUTTING AND SPLICING OF BAR REINFORCEMENT
4. ACTUAL FABRIC QUANTITIES SHALL BE CALCULATED BY THE CONTRACTOR. THE TABULATED AREAS ARE PROVIDED AS A GUIDE ONLY AND DO NOT INCLUDE ANY ALLOWANCE FOR BENDS OR LAPS OR CUTTING WASTAGE.

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 REINFORCED CONCRETE WINGWALL QUANTITIES PIPE CULVERTS 300 TO 525 DIA. TYPES 1, 2 & 3					
D						APPROVED <i>J Cunningham</i>	DATE 12.95	SPEC. REF. No.	SHEET No.	DRAWING No.	AMENDMENT
C										SD 1922	
B											
A											
AMEND.	Appd.	Date		AMENDMENTS							