QUANTITIES

NOMINAL WIDTH (w)	NOMINAL HEIGHT (h)	SINGLE BOX								
		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)
375	225	0.19	1.5	1.2	0.23	1.7	1.3	0.30	2.0	1.7
450	225	0.21	1.6	1.3	0.24	1.8	1.4	0.31	2.1	1.8
450	300	0.28	2.0	1.6	0.34	2.2	1.9	0.47	2.7	2.6
600	225	0.26	2.0	1.5	0.28	2.0	1.6	0.36	2.3	2.1
600	300	0.32	2.2	1.9	0.39	2.5	2.2	0.53	3.0	2.9
600	450	0.50	2.9	2.8	0.63	3.3	3.5	0.93	4.2	5.0
750	300	0.35	2.4	2.1	0.42	2.7	2.4	0.58	3.2	3.2
750	450	0.54	3.1	3.0	0.69	3.5	3.8	1.00	4.5	5.3
900	300	0.39	2.6	2.3	0.47	2.9	2.7	0.63	3.4	3.5
900	450	0.58	3.3	3.3	0.74	3.8	4.0	1.08	4.7	5.7
1200	300	0.46	3.0	2.6	0.55	3.3	3.1	0.74	3.9	4.1
1200	450	0.67	3.7	3.7	0.84	4.2	4.6	1.22	5.1	6.5

NOMINAL WIDTH (w)	NOMINAL HEIGHT (h)	ADDITIONAL BOX								
		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)
375	225	0.07	0.5	0.4	0.08	0.5	0.5	0.09	0.5	0.5
450	225	0.08	0.6	0.5	0.09	0.6	0.5	0.10	0.6	0.6
450	300	0.10	0.6	0.6	0.11	0.6	0.6	0.13	0.6	0.7
600	225	0.11	0.8	0.7	0.12	0.8	0.7	0.14	0.8	0.8
600	300	0.13	0.8	0.8	0.14	0.8	0.8	0.17	0.8	1.0
600	450	0.16	0.8	0.9	0.19	0.8	1.0	0.24	0.8	1.3
750	300	0.16	1.0	0.9	0.18	1.0	1.0	0.21	1.0	1.2
750	450	0.20	1.0	1.1	0.23	1.0	1.3	0.29	1.0	1.6
900	300	0.19	1.2	1.1	0.21	1.2	1.2	0.26	1.2	1.4
900	450	0.24	1.2	1.3	0.27	1.2	1.5	0.35	1.2	1.9
1200	300	0.25	1.5	1.4	0.28	1.5	1.6	0.34	1.5	1.9
1200	450	0.31	1.5	1.7	0.36	1.5	2.0	0.46	1.5	2.5

NOTES :

1. REFER SD 1971 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.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	J.K.	1/7/05	TITLE BLOCK AMENDED

GENERAL NOTES

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.

DESIGNED PRINCIPAL ROAD DESIGN ENGINEER

APPROVED 1.2.95

CATALOG PRED
PROJECT sddgnnew
FILENAME sd-1973a.dgn

SCALE HOR
OF
METRES VER

vic roads design
ENGINEERING & TECHNOLOGY CONSULTANTS
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124
PHONE NO. (03) 9811 8355
FAX NO. (03) 9811 8329

REINFORCED CONCRETE WINGWALL

QUANTITIES

BOX CULVERTS 225 TO 450 HIGH, TYPES 1, 2 & 3

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1972	A

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