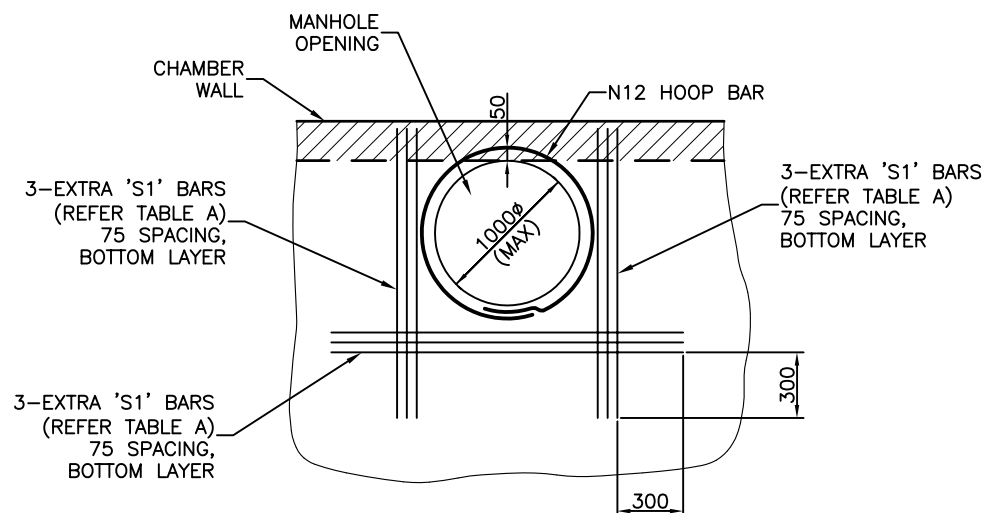


SHORT SPAN	LONG SPAN										SLAB DEPTH
	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
1200	N12 AT 150	N16 AT 200	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 175	N16 AT 175	N16 AT 150	N16 AT 150	N16 AT 150	200
1400		N12 AT 150	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 175	N16 AT 150	N16 AT 150	N16 AT 150	N16 AT 150	200
1600			Y12 AT 150	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 150	N16 AT 150	N16 AT 150	N16 AT 150	200
1800				N12 AT 150	N16 AT 200	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 175	N16 AT 175	225
2000					N12 AT 150	N16 AT 200	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 175	225
2200						N12 AT 150	N16 AT 200	N16 AT 200	N16 AT 175	N16 AT 175	225
2400							N16 AT 200	N16 AT 200	N16 AT 200	N16 AT 175	225
2600								N16 AT 200	N16 AT 200	N16 AT 175	250
2800									N16 AT 200	N16 AT 175	250
3000										N16 AT 175	250

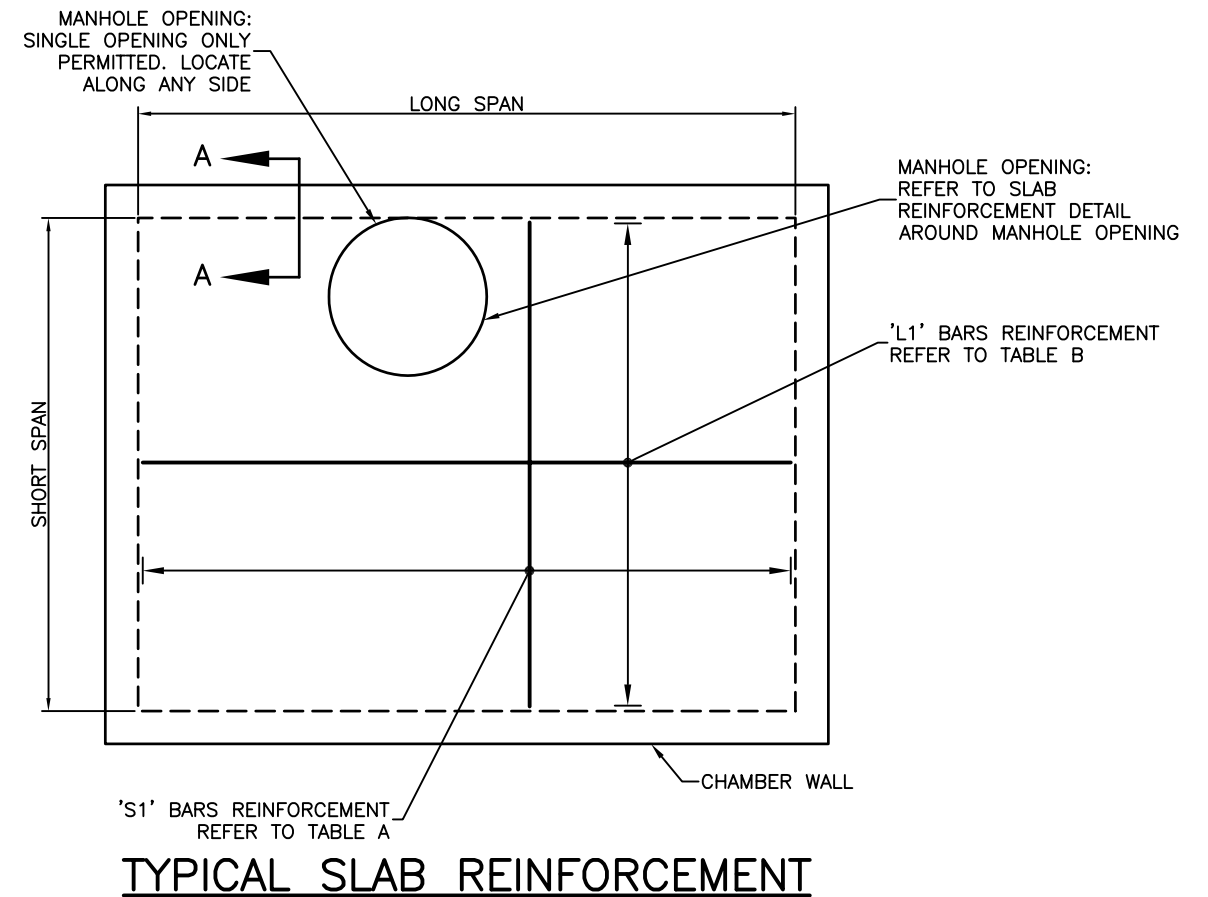
TABLE A : 'S1' BARS

SHORT SPAN	LONG SPAN										SLAB DEPTH
	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
1200	N12 AT 150	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	200
1400		N12 AT 150	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	200
1600			N12 AT 150	N12 AT 150	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	200
1800				N12 AT 150	N12 AT 150	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	225
2000					N12 AT 150	N12 AT 150	N12 AT 200	N12 AT 200	N12 AT 200	N12 AT 200	225
2200						N12 AT 150	N12 AT 150	N12 AT 150	N12 AT 200	N12 AT 200	225
2400							N16 AT 200	N12 AT 150	N12 AT 150	N12 AT 150	225
2600								N16 AT 200	N16 AT 200	N16 AT 200	250
2800									N16 AT 200	N16 AT 200	250
3000										N16 AT 175	250

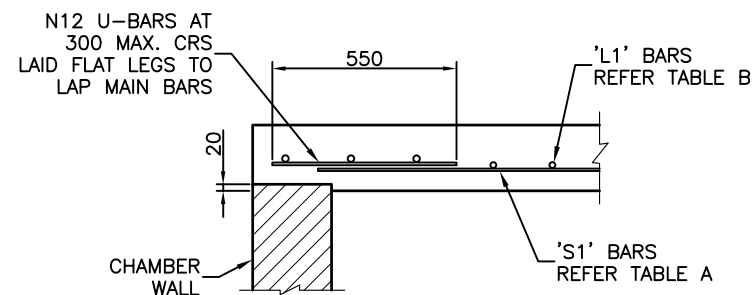
TABLE B : 'L1' BARS



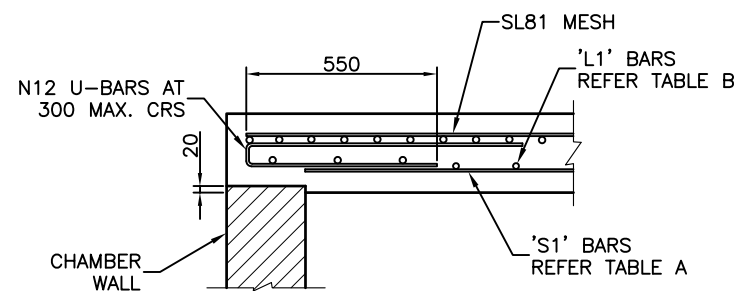
SLAB REINFORCEMENT AROUND MANHOLE OPENING



TYPICAL SLAB REINFORCEMENT



FOR 200 THICK SLAB



**FOR 225, 250 THICK SLAB
TYPICAL EDGE SECTIONS A-A**

NOTES:

1. CONCRETE TO BE CONSTRUCTED IN ACCORDANCE WITH AS 3600.
2. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 3610.
3. ALL CONCRETE TO BE GRADE N32. 80mm SLUMP NOMINAL AGGREGATE SIZE OF 20mm.
4. ALL LAPS IN REINFORCEMENT SHALL BE: N12-300, N16-400.
5. MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE 45mm.
6. COVER TO REINFORCEMENT SHALL BE MAINTAINED DURING POURING BY THE USE OF APPROVED CHAIRS.
7. DESIGNED TO "AUSTRROADS - BRIDGE DESIGN CODE 1992".
8. NOT TO BE USED IN TIDAL AREAS.
9. DIMENSIONS IN MILLIMETRES (UNO).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
B	Dims Modified on Section AA, Reo Sizes Updated	DJL 12/04	BH 14/02/05	PC 03/03/05
A	ORIGINAL ISSUE	April '01	May '01	June '01

DESIGN AUTHORIZED FOR ISSUE B. BALL SIGNATURE ON ORIGINAL DATED 29/6/01	DESIGN	STD DWG GROUP	DATE	April '01
MANAGER ASSET SUPPORT - R.P.E.O. 3 8 5 2	DRAWN	CITY DESIGN	DATE	April '01
DESIGN APPROVED B. HANSEN SIGNATURE ON ORIGINAL DATED 27/6/01	CHECKED	M. STEER	DATE	May '01
PRINCIPAL ASSET OFFICER ROADS & DRAINAGE	DRAWING FILENAME	UIMS 324	ASSOCIATED PLANS	SUPERSEDES WS 51-4



BRISBANE CITY COUNCIL - URBAN MANAGEMENT DIVISION

**REINFORCED CONCRETE
ROOF SLABS FOR MANHOLE
CHAMBERS**

SCALE	
NOT TO SCALE	
DWG No. UMS 324	
ORIGINAL SIZE	REVISION
A3	B