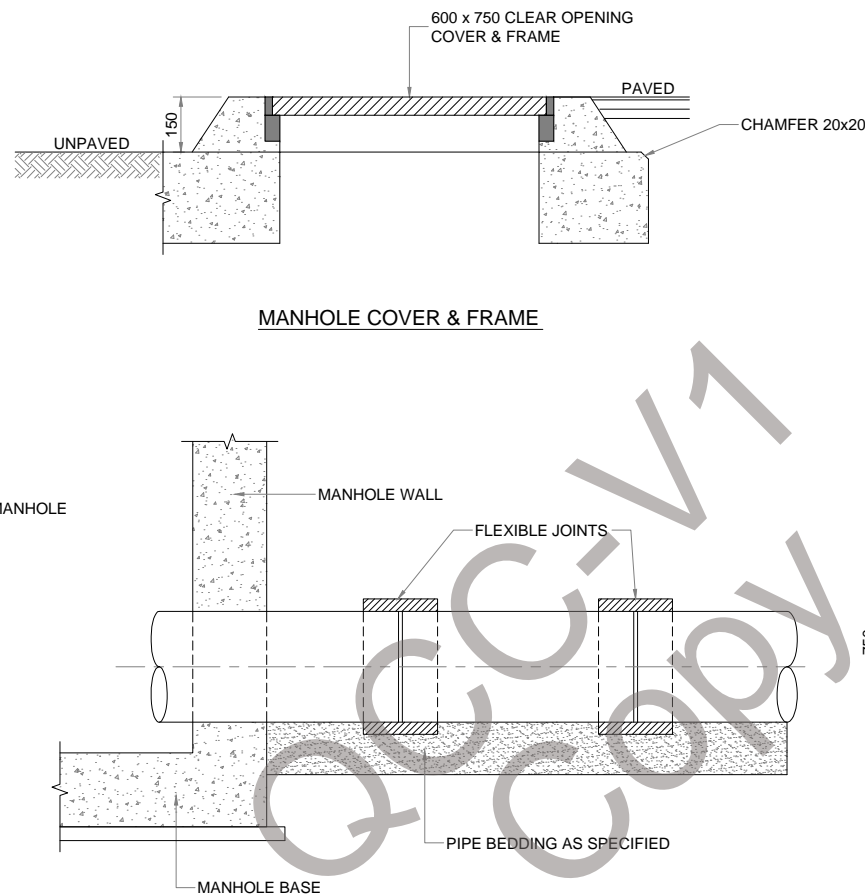
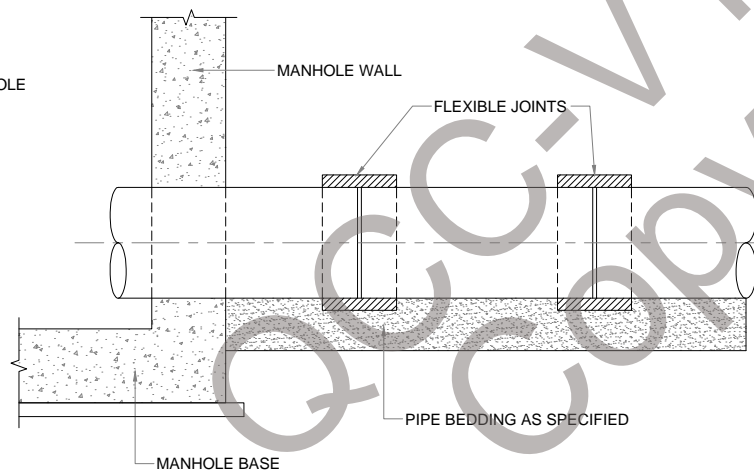


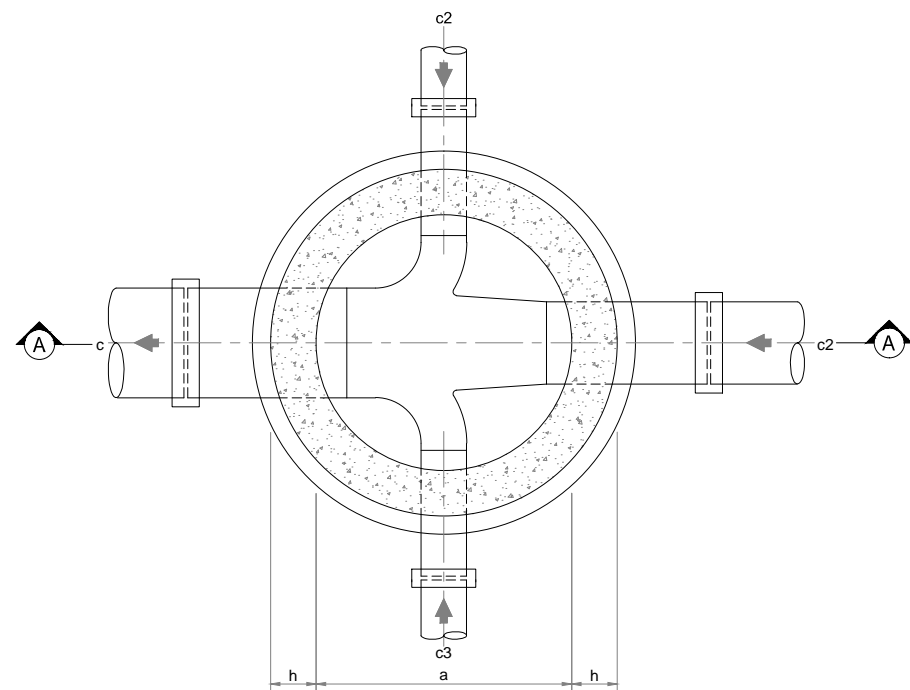
SECTION A-A



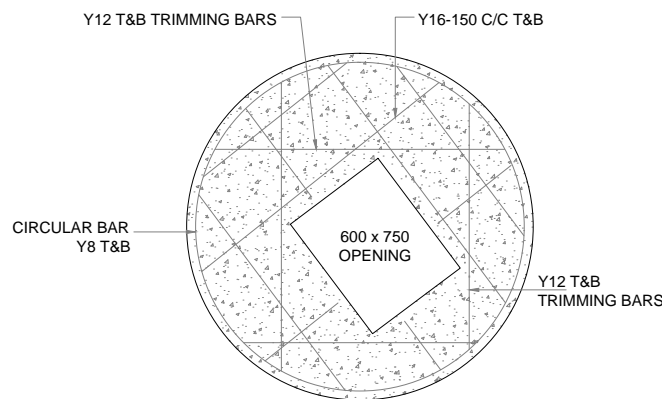
MANHOLE COVER & FRAME



PIPE CONNECTION



PLAN AT B-B



COVER SLAB PLAN AT D-D

TABLE 1 - DETAILS OF STORM-WATER DRAINAGE MANHOLE					
MANHOLE TYPE	INNER DIA. mm	MAX. DIA. OF OUT GOING PIPE mm	MAX. DEPTH FROM COVER SLAB TO INVERT LEVEL mm	BASE SLAB THICKNESS mm	WALL TH. mm
	a	c	d	g	h
A	1000	350	3000	250	225
B	1200	450	3500	250	225
C	1400	600	3500	250	250
D	1600	800	3500	300	300
E	1800	1000	3500	350	350
F	2000	1200	4000	400	350

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- ALL COVER SLAB TO BE 250mm THICK.
- NUMBER OF INCOMING PIPES & DIA. VARIES FROM c1 TO c3.
- WHERE PIPES ARE BUILT INTO STRUCTURES OR MANHOLES, THE FLEXIBLE JOINTS SHALL BE POSITIONED FROM OUTSIDE OF THE STURCTURE THUS UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.

FLEXIBLE JOINT		
PIPE DIA.	1st FLEXIBLE JOINT	2nd FLEXIBLE JOINT
UP TO 300	150 MAX.	500 MAX. FROM 1st JOINT
OVER 300 UP TO 600	300 MAX.	2x PIPE DIA. MAX FROM 1st JOINT
OVER 600	600 MAX.	1200 MAX. FROM 1st JOINT

- DIA. OF PIPES ARE GIVEN THE NOMINAL DIAMETER.
- EXTERNAL SURFACE OF MANHOLE SHALL BE PROTECTED WITH BRUSH APPLIED A PAINT SYSTEM TO THE SPECIFICATION.
- ALL CONCRETE TO BE CLASS 40/20 UNLESS OTHERWISE STATED.
- PROPER CONSTRUCTION JOINTS REQUIRED FOR DIFFERENT STAGE OF CONCRETING SHALL BE PROVIDED TO ENGINEER'S APPROVAL.
- STEEL REINFORCEMENT TO BE GRADE 460 (BS4449).
- MINIMUM COVER TO CONCRETE REINFORCEMENT TO BE 50mm.
- IN CASE OF HIGH WATER TABLE, THE WATER PROOFING MEMBRANE WITH 25mm SCREED SHALL BE USED ON TOP OF THE CONCRETE BLINDING OF BASE SLAB.

AACM - DRAWINGS

REFERENCE DRAWINGS AND DOCUMENTS

No.	REVISIONS	APP'D	DATE
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CLIENT

TITLE
STANDARD DRAWINGS
AL AIN REGION

DRAWING TITLE

SURFACE DRAINAGE
MANHOLE DETAILS
(SHEET 1 OF 2)

DRAWN	-	SCALE	N.T.S. @ A1
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	N-223