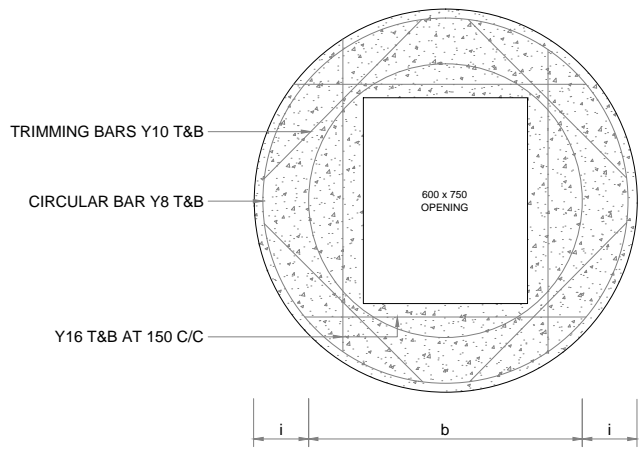
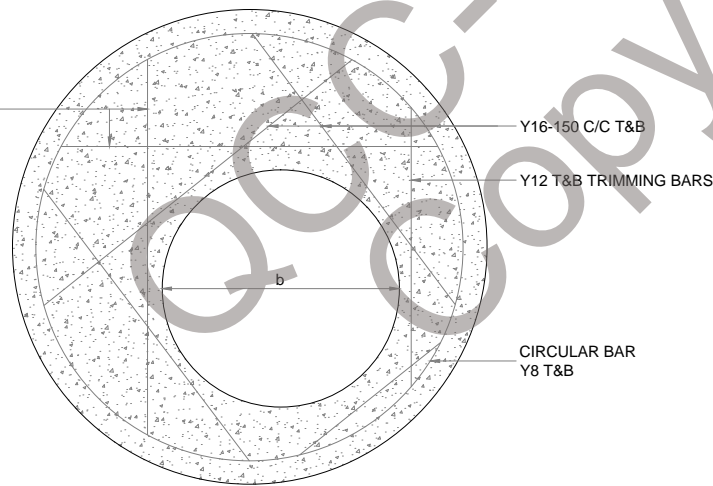


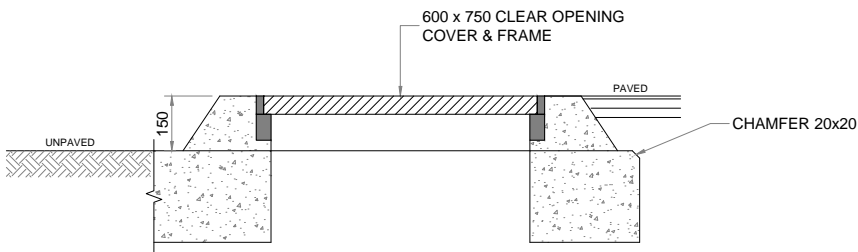
SECTION A-A



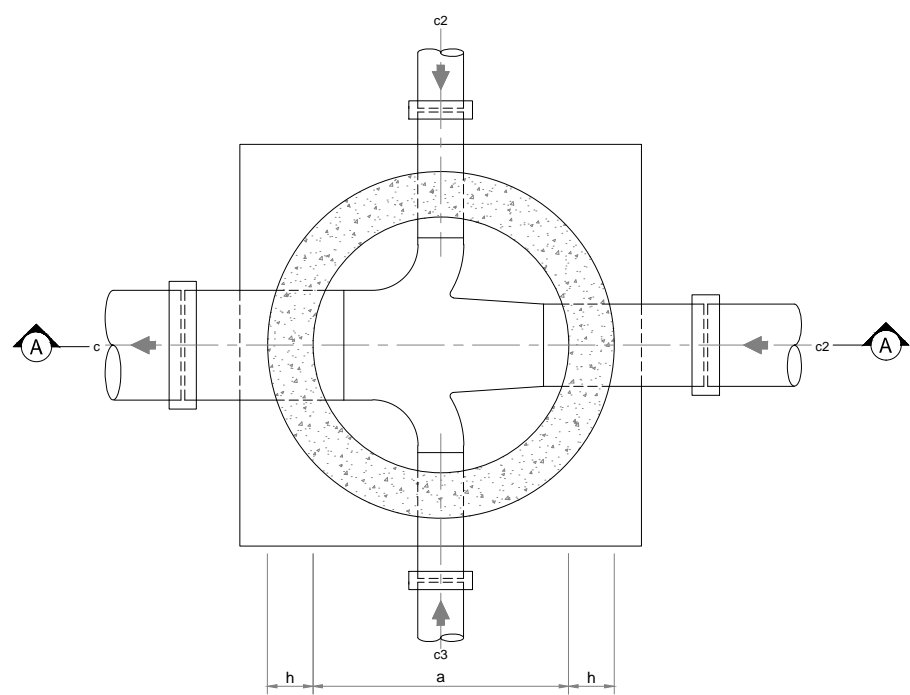
COVER SLAB PLAN AT D-D



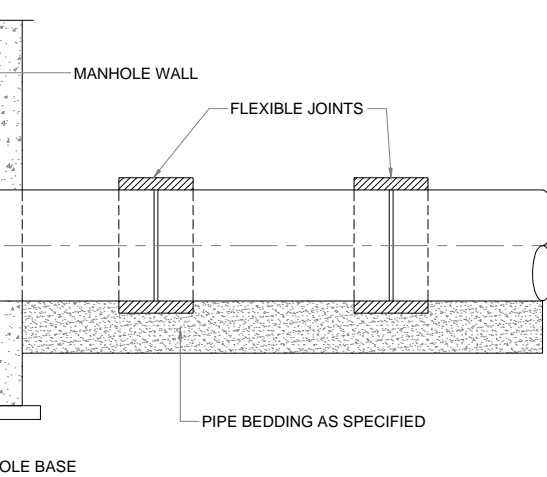
REDUCER SLAB PLAN AT C-C



MANHOLE COVER & FRAME



PLAN AT B-B



PIPE CONNECTION

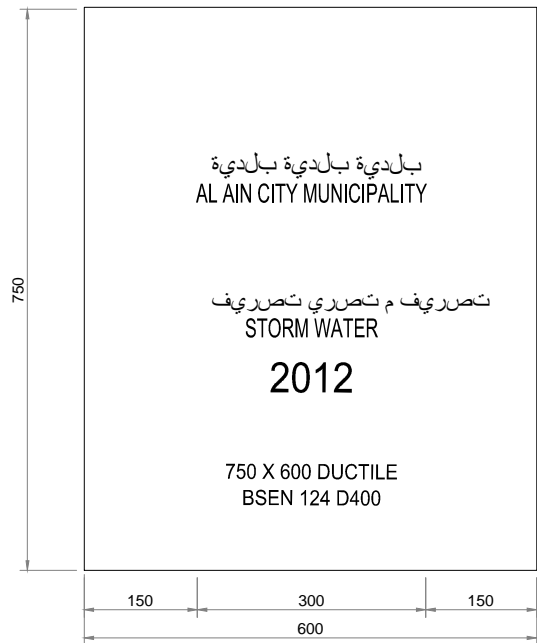


TABLE 1 - DETAILS OF STORM-WATER DRAINAGE MANHOLE										
MANHOLE TYPE	LOWER SHAFT DIA. mm	UPPER SHAFT DIA. mm	MAX. DIA. OF OUTGOING PIPE mm	MAX. DEPTH FROM COVER SLAB TO INVERT LEVEL mm	MIN. DEPTH OF LOWER SHAFT mm	MIN. DEPTH OF UPPER SHAFT mm	BASE SLAB THICKNESS mm	LOWER SHAFT WALL THICKNESS mm	UPPER SHAFT WALL THICKNESS mm	REDUCER SLAB THICKNESS mm
	a	b	c	d	e	f	g	h	i	j
G	1400	1000	600	5500	2100	600	300	300	200	300
H	1600	1000	800	5500	2100	600	300	300	200	300
I	1800	1000	1000	7500	2400	600	350	350	200	300
J	2000	1000	1200	8000	2600	600	400	350	200	300

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 2 OF 2)

DRAWN	-	SCALE	N.T.S. @ A1
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	N-224