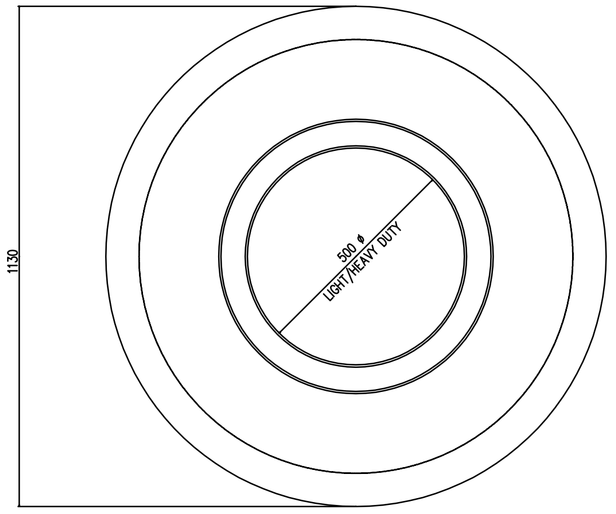
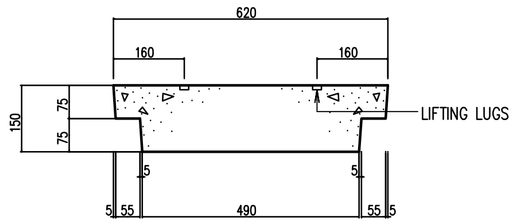
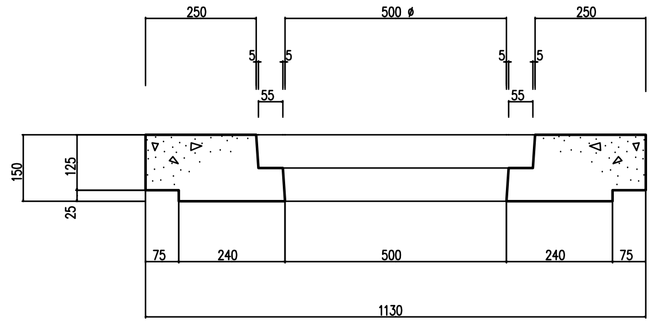


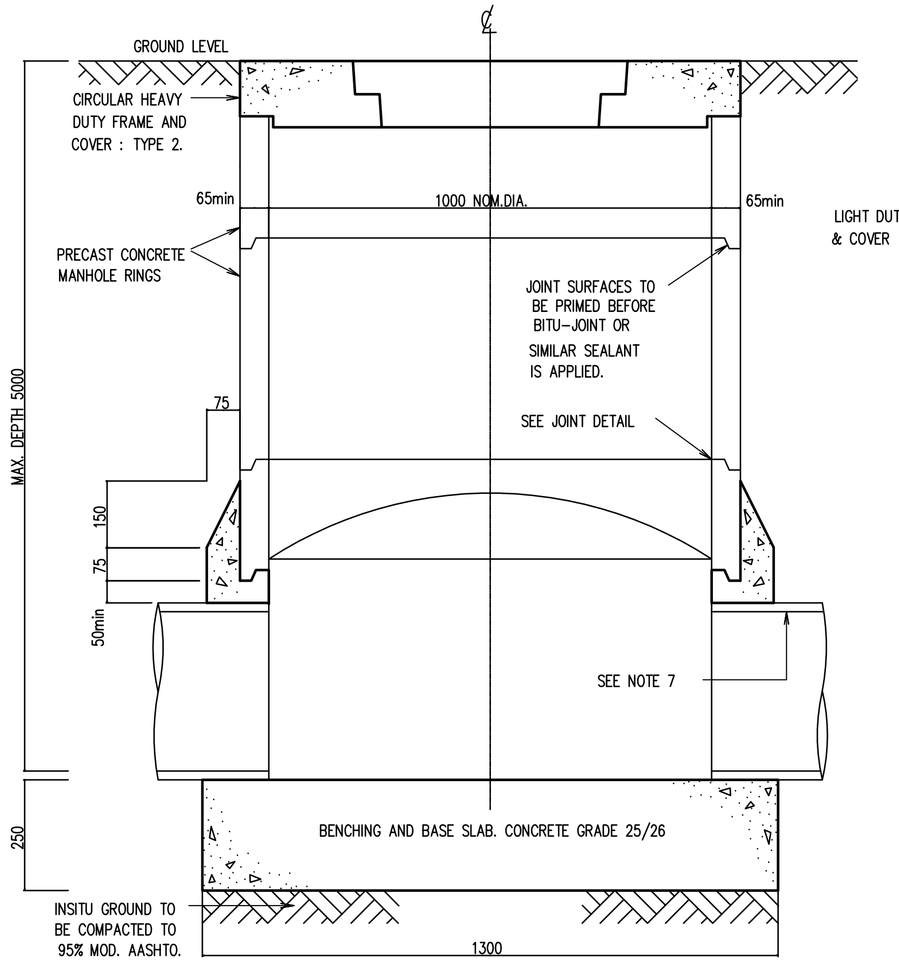
PLAN OF CIRCULAR LIGHT AND HEAVY DUTY FRAME FOR 1000 NOM. DIA. MANHOLE



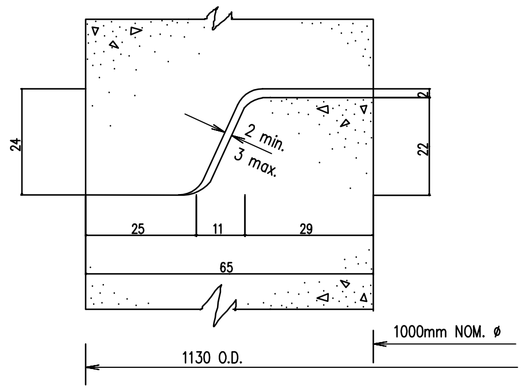
SECTION OF CIRCULAR HEAVY DUTY MH COVER



SECTION OF CIRCULAR HEAVY DUTY M.H. FRAME

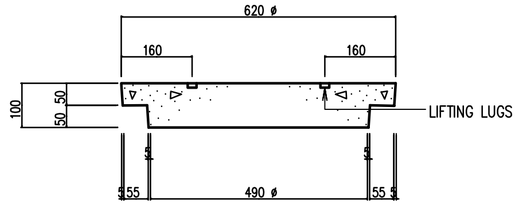


SECTION OF 1000 DIA. MANHOLE

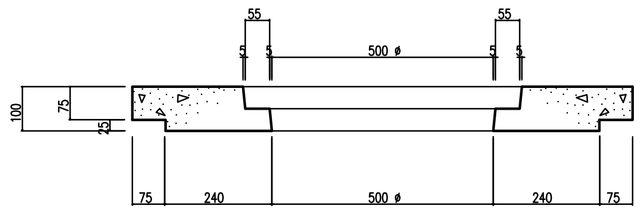


ALL RADII TO BE 10mm

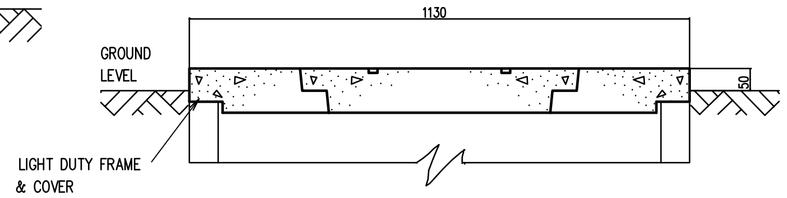
DETAIL OF JOINT



SECTION OF CIRCULAR LIGHT DUTY MH COVER



SECTION OF CIRCULAR LIGHT DUTY MH FRAME



SECTION OF CIRCULAR LIGHT DUTY MANHOLE COVER AND FRAME

NOTES:

A. GENERAL

1. ALL PRECAST CONCRETE MANHOLE COMPONENTS TO COMPLY WITH THE REQUIREMENTS OF S.A.B.S.1294 (WHERE APPLICABLE)

2. LENGTHS OF INDIVIDUAL WALL UNITS ARE TO VARY IN MULTIPLES OF 250mm.

3. HEAVY DUTY CAST IRON COVERS AND FRAMES TO DRG.NO.DMW1281/A ARE TO BE USED ON MANHOLES UNDER VEHICULAR TRAFFIC.

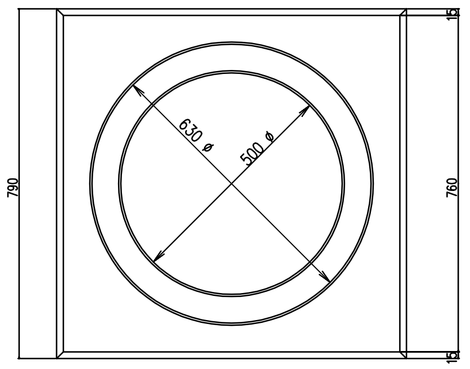
4. FOR DETAILS OF STEEL REINFORCEMENT TO MANHOLE COVERS,COVER SLABS AND FRAMES – SEE STANDARD PRECAST DETAILS LISTED ABOVE.

B. STORMWATER MANHOLE

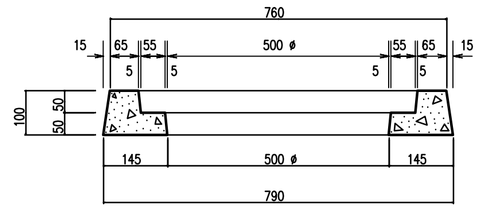
5. DIMENSION D VARIES WITH THE DIAMETER OF THE PIPES. DIMENSION D SHALL BE TO A POINT 50mm ABOVE THE HIGHEST CROWN OF THE PIPES.

6. RENDERING FOR MANHOLE BENCHING SHALL CONSIST OF 1 PART CEMENT TO 3 PARTS SAND THOROUGHLY MIXED AND APPLIED TO CONCRETE SURFACES WHILE THE LATTER ARE STILL GREEN. RENDERING SHALL BE AT LEAST 20mm THICK.

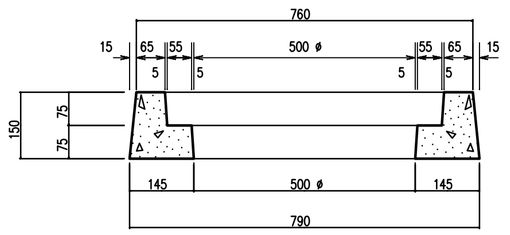
7. THE LENGTH OF PIPE BUILT INTO THE MANHOLE SHALL NOT EXCEED 2.5m.



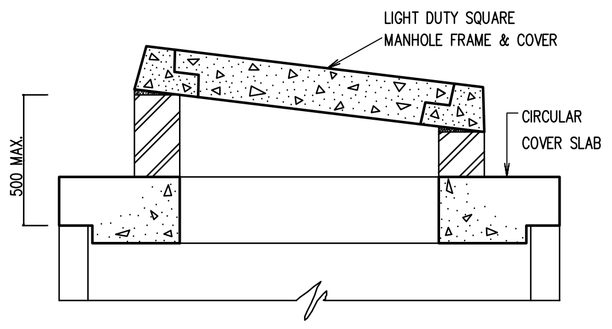
PLAN



SECTION OF LIGHT DUTY SQUARE MANHOLE FRAME



SECTION OF HEAVY DUTY SQUARE MANHOLE FRAME.



SECTION OF LIGHT DUTY SQUARE MANHOLE FRAME AND COVER

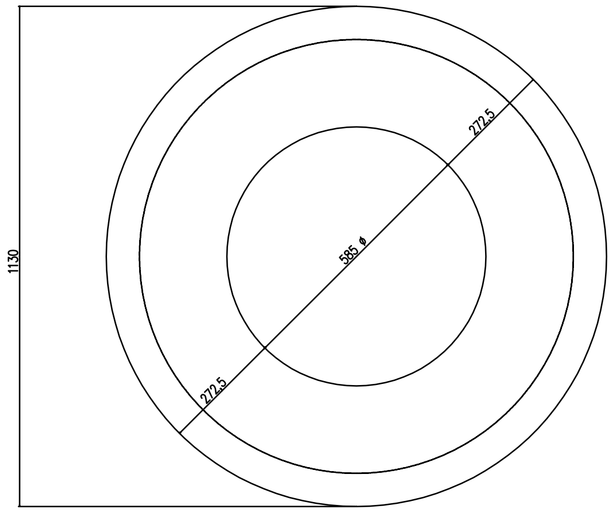
C. SEWER MANHOLE:–

8. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 38574.

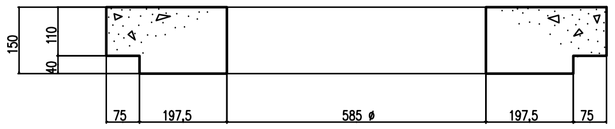
9. RENDERING FOR MANHOLE BENCHING SHALL CONSIST OF 1 PART H.A.C. TO 2 PARTS SAND THOROUGHLY MIXED AND APPLIED TO CONCRETE SURFACES WHILE THE LATTER ARE STILL GREEN. RENDERING SHALL BE AT LEAST 20mm THICK.

10. ALL PIPES BUILT INTO MANHOLES SHALL NOT EXCEED 1.0m IN LENGTH, AND AND THE ADJOINING PIPE SHALL NOT EXCEED 2.0m IN LENGTH.

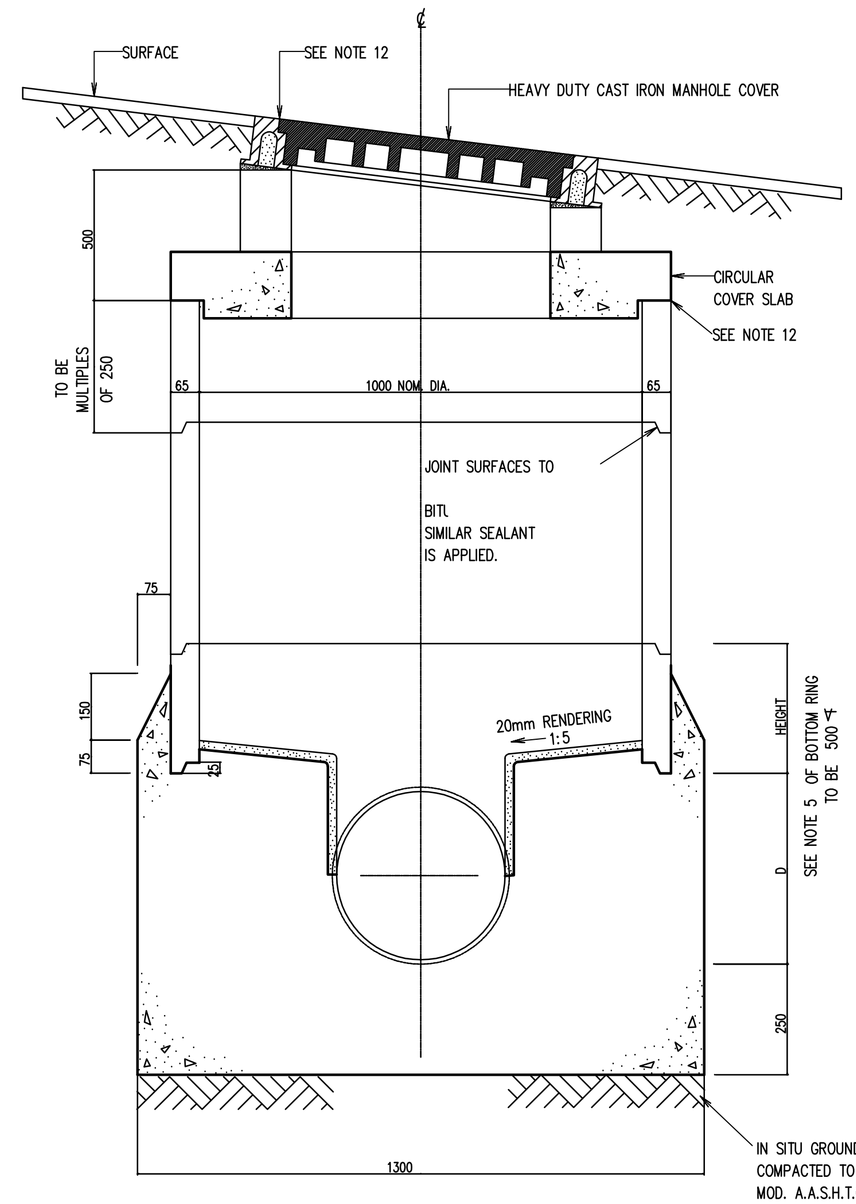
11. EVERY U.P.V.C. PIPE BUILT INTO A MANHOLE SHALL HAVE CLEAN DRY SAND (TO S.A.B.S. 1083 TABLE 1.) GLUED TO ITS OUTSIDE AS
ING SPECIAL PVC CEMENT



PLAN OF CIRCULAR COVER SLAB



SECTION OF CIRCULAR COVER SLAB



SECTION OF 1000 DIA. MANHOLE

PRECAST PRODUCT DETAILS	
RING MANHOLES	38850
CIRCULAR FRAMES AND COVER SLAB	38851
SQUARE MANHOLE FRAMES	38852
MANHOLE COVERS	38853

NORTH/SOUTH CENTRAL LOCAL COUNCIL – DURBAN

CITY ENGINEERS
SERVICE UNIT
ROADS DEPARTMENT

PLAN DESCRIPTION	DWG NO	
CONTINUED FROM		
CONTINUED ON		
CROSS SECTIONS		
TYPICAL CROSS SECTION		
SURVEY LAYOUT		

REDUCED PLAN USE SCALE BELOW

0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

REVISION	DATE	DESCRIPTION

NOTE: No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed

NORTH POINT

Date Engineer

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
S.W.DRAINS		
SEWERS		
WATER MAINS		
G.P.O.CABLES		
ELECTRIC CABLES		
S.A.R. CABLES		
E.S.C. CABLES		
OIL PIPE LINE		

NOTE

Only underground services affected by new construction work are shown.
Care must be taken during excavations for road foundations, trenches etc..to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work proceeds.

Contract No

Project Title

STANDARD DRAWING

Drawing Title

RING MANHOLES

Scales	DATE OF ISSUE
1 : 10	FEBRUARY 1990
Designed	Date 1995-12-06
Checked	Drawn C.E.S.

Manager RD(N)

Director : Roads

R.A.Moore Executive Director

Drawing No	Sheet
38570	of Sheets