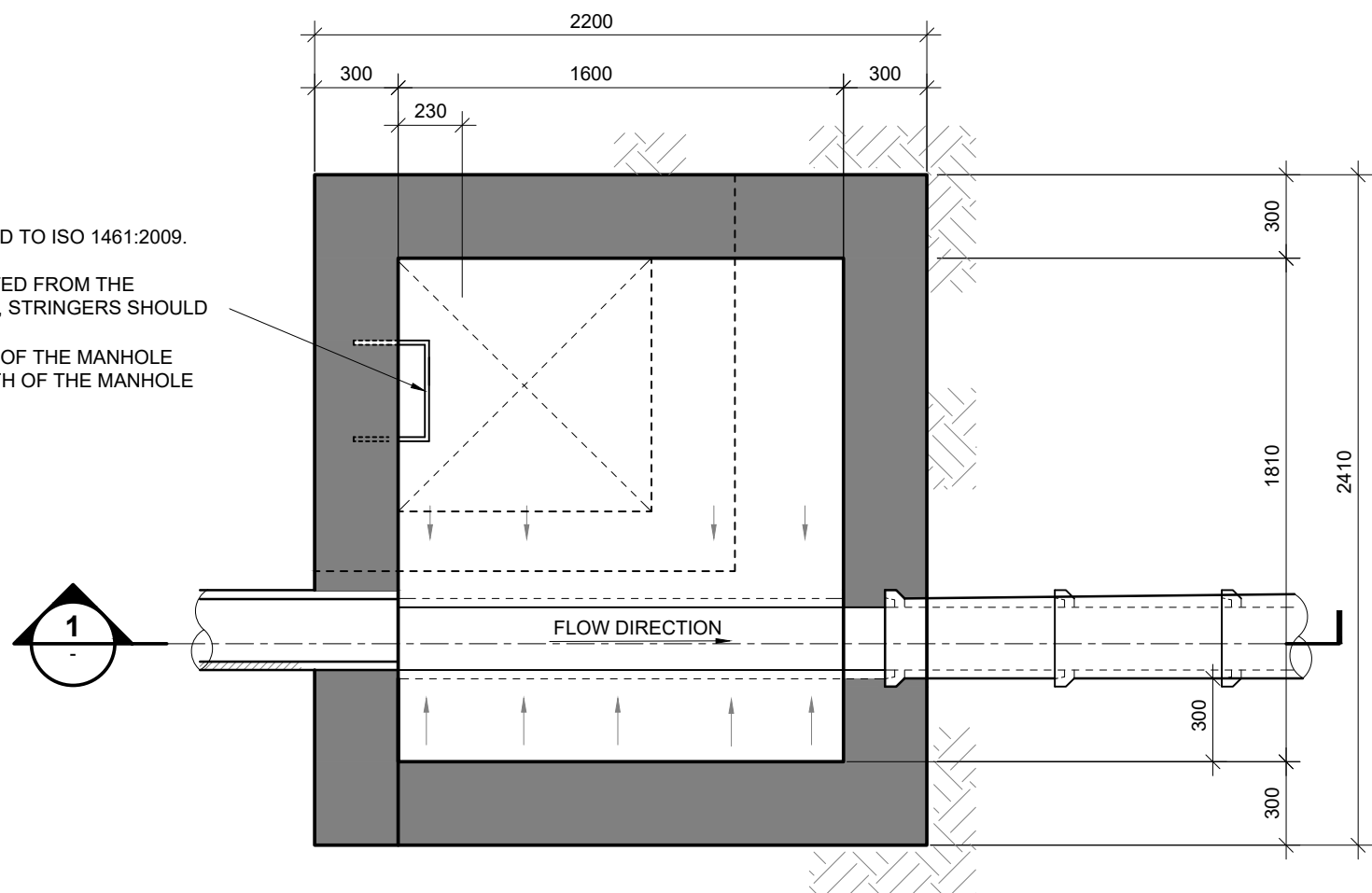
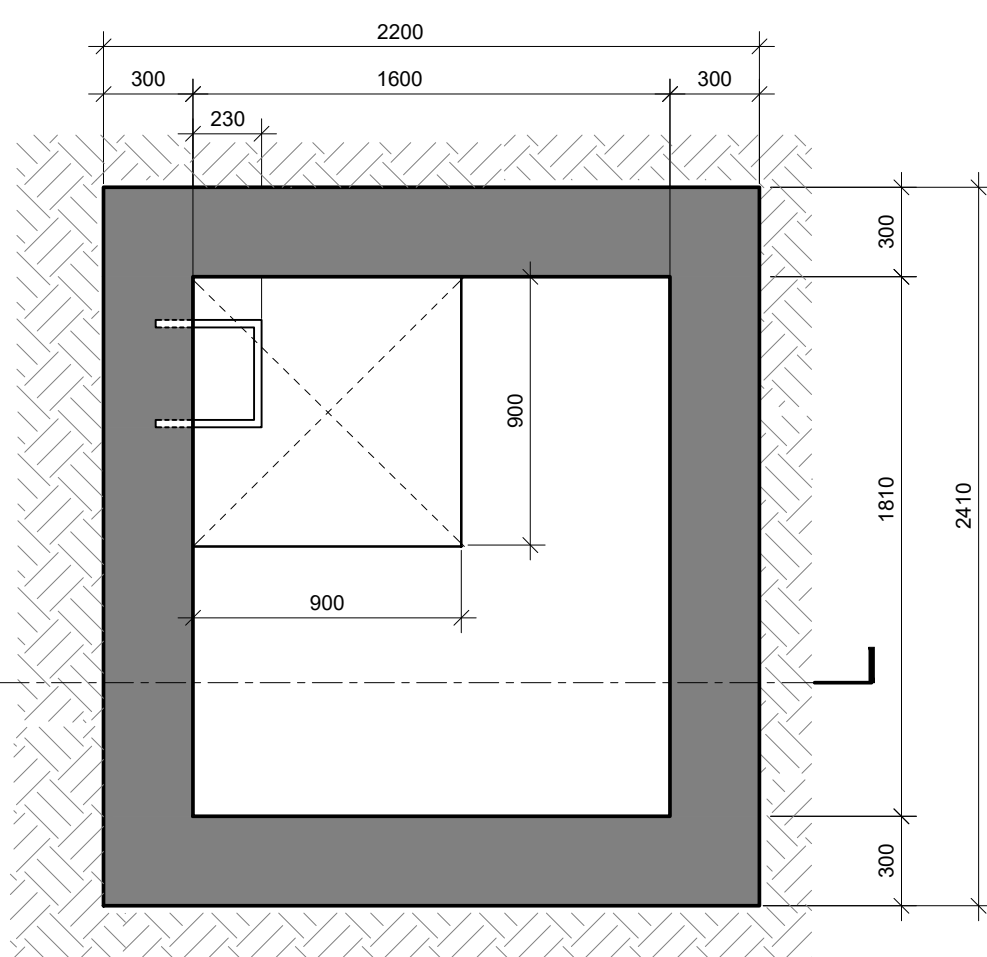


STANDARD RUNGS AT 300 C/C VERTICALLY & GALVANISED TO ISO 1461:2009.
NOTE: STEP IRONS ARE NOT ACCEPTABLE
LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE
MANHOLE WALL AT INTERVALS OF NOT MORE THAN 2.0m. STRINGERS SHOULD
BE BOLTED TO CLEATS TO FACILITATE RENEWAL
PIPE SHOULD BE CUT FLUSH WITH THE INSIDE SURFACE OF THE MANHOLE
WALL SO THAT THE CHANNEL EXTENDS THE FULL LENGTH OF THE MANHOLE
(EXCEPT FOR PRECAST MANHOLES).



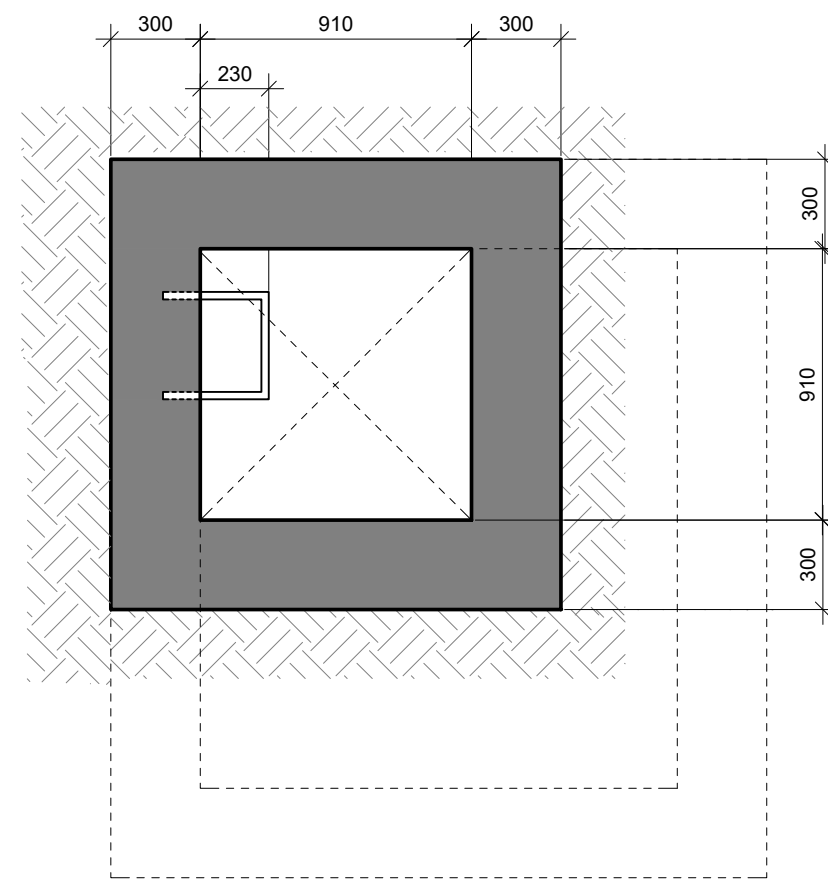
PLAN ON BASE

SCALE @ A1: 1:25
SCALE @ A3: 1:50



2 SECTION

SCALE @ A1: 1:25
SCALE @ A3: 1:50



3 SECTION

SCALE @ A1: 1:25
SCALE @ A3: 1:50

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS. FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - **ASK**.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

NOTES:

- ALL MANHOLES SHALL BE WATERTIGHT TO THE SATISFACTION OF THE ENGINEER.
- FORMWORK TO REINFORCED CONCRETE & MASS CONCRETE SHALL COMPLY WITH CLASS 2, SECTION 6.2.7, BS 8110:PART 1:1997
- FINISH TO THE TOP OF SLABS SHALL COMPLY WITH TYPE 'A', SECTION 6.2.7, B.S.8110:PART 1:1997

1 TO 2 COURSES OF CLASS A SOLID ENGINEERING BRICK TO IS 91 SET IN DESIGNATION (i) MORTAR TO CLAUSE 2404 OF THE NRA SPECIFICATION FOR ROAD WORKS.

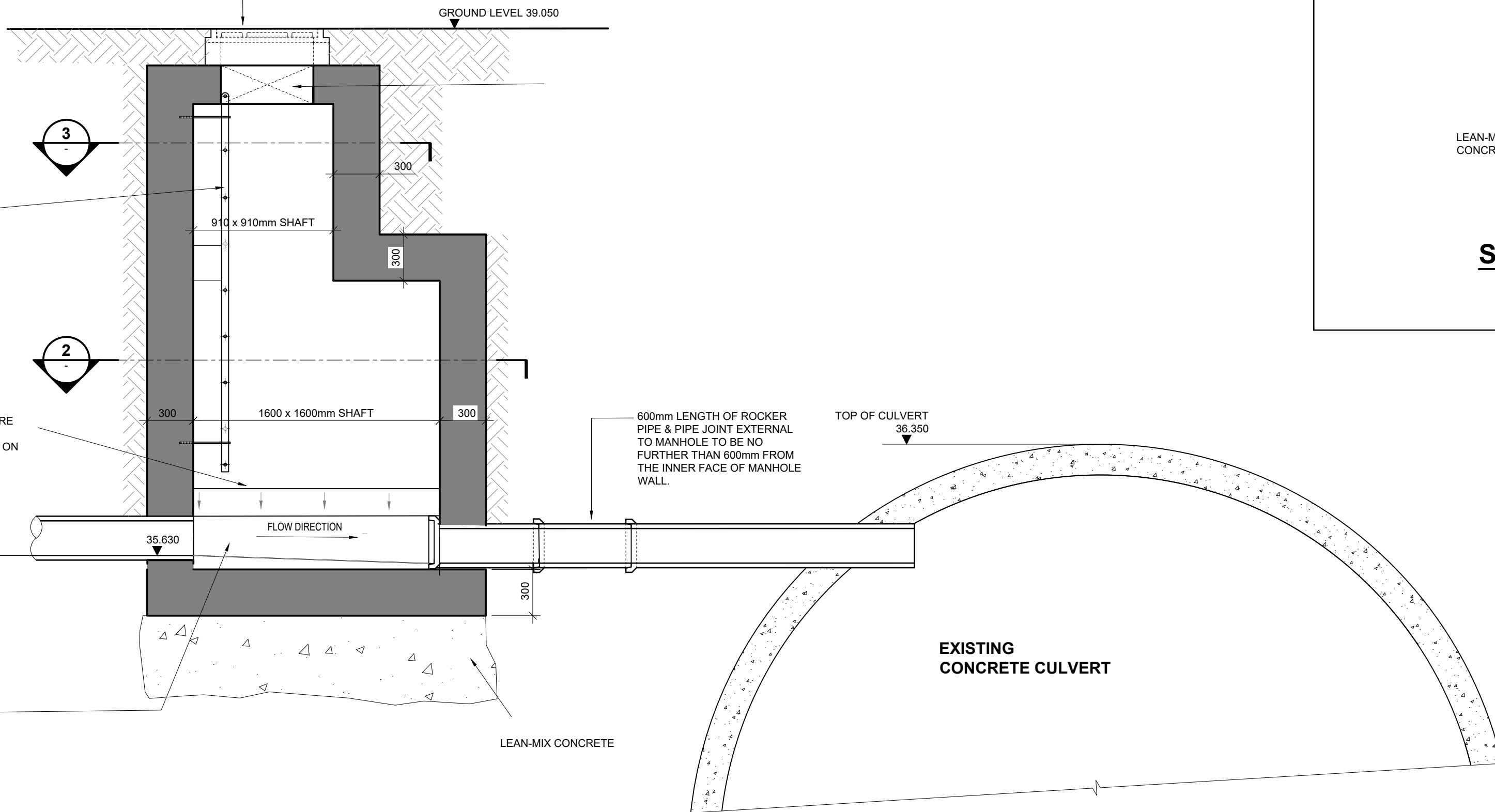
MANHOLE COVER & FRAME SHALL BE MANUFACTURED TO IS EN 124 AND CERTIFIED TO THE LOAD CASES SPECIFIED ON THE DRAWINGS AND AS DEFINED IN IS EN 1433:2002. FRAMES SHALL BE DESIGNED TO PREVENT COVERS FALLING INTO MANHOLE. FRAMES SHALL BE BEDDED ON APPROVED MORTAR TO MANUFACTURERS INSTRUCTIONS.

STANDARD RUNGS AT 300 C/C VERTICALLY & GALVANISED TO ISO 1461:2009. NOTE: STEP IRONS ARE NOT ACCEPTABLE
LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALL AT INTERVALS OF NOT MORE THAN 2.0m. STRINGERS SHOULD BE BOLTED TO CLEATS TO FACILITATE RENEWAL.

225mm INCOMING CONCRETE PIPE FROM MANHOLE S7.3

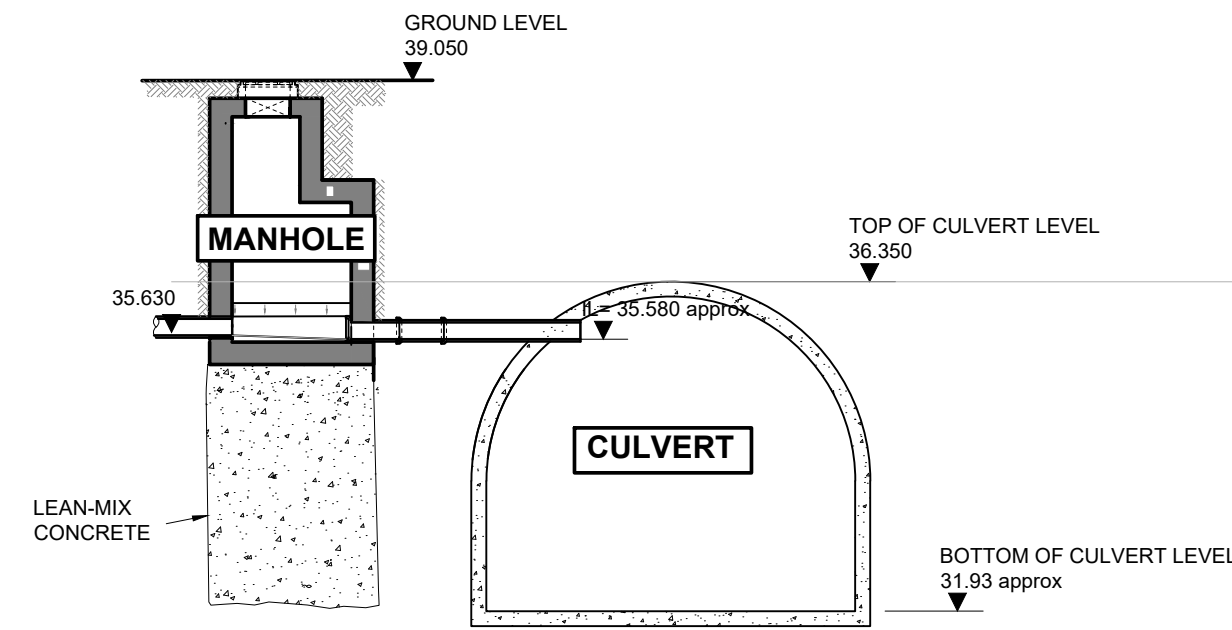
PREFORMED HALF CIRCLE CHANNEL PIPES. THE PIPELINE MAY, WHERE PRACTICABLE, BE LAID THROUGH THE MANHOLE & THE CROWN CUT OUT TO HALF DIAMETER, PROVIDED FLEXIBLE JOINTS ARE SITUATED ON EACH SIDE NO FURTHER THAN 600mm FROM THE INNER FACE OF MANHOLE WALL.

BENCHING TO BE FINISHED IN 2:1 SAND:CEMENT MORTAR WITH A SMOOTH TROWEL FINISH, AT 1 IN 30 SLOPE TOWARDS CHANNEL.



1 SECTION

SCALE @ A1: 1:25
SCALE @ A3: 1:50



SECTION OF THE MANHOLE AND CULVERT

SCALE @ A1: 1:100
SCALE @ A3: 1:200

PL2	11.10.23	ISSUED FOR PLANNING		MC
ISSUE	DATE	DESCRIPTION		BY
Project Engineer: JCU		Project Director:		
BM STAGE				
PLANNING				
<div><div>BM</div><div>Dublin Office: Sandwich House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164</div><div>London Office: 5th Floor, Mill House, 8 Mill Street, London SE1 2BA, United Kingdom Tel: (0044) 20 3750 9330</div><div>Barrett Mahony Consulting Engineers, Civil, Structural, Project Management. E-mail: bmce@bmce.ie Web: www.bmce.ie</div><div><div><div>The Institution of Structural Engineers</div></div><div></div><div><div><div>International Federation of Consulting Engineers</div></div></div></div></div>				
CLIENT MALCLOSE LTD.				
PROJECT TITLE GOWAN HOUSE			BM PROJECT No. 22.219	
MODEL	REFERENCE		SUITABILITY	REVISION
DRAWING TITLE MANHOLE S3.0 CONNECTION TO CULVERT.				
DWG	DRAWING REFERENCE GWH-BMD-XX-ZZ-DR-C-1150		STATUS	REVISION PL2