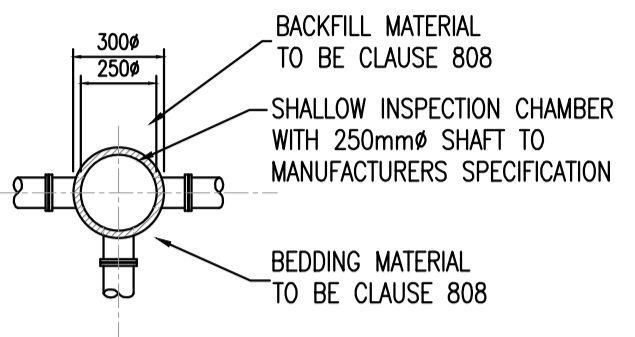


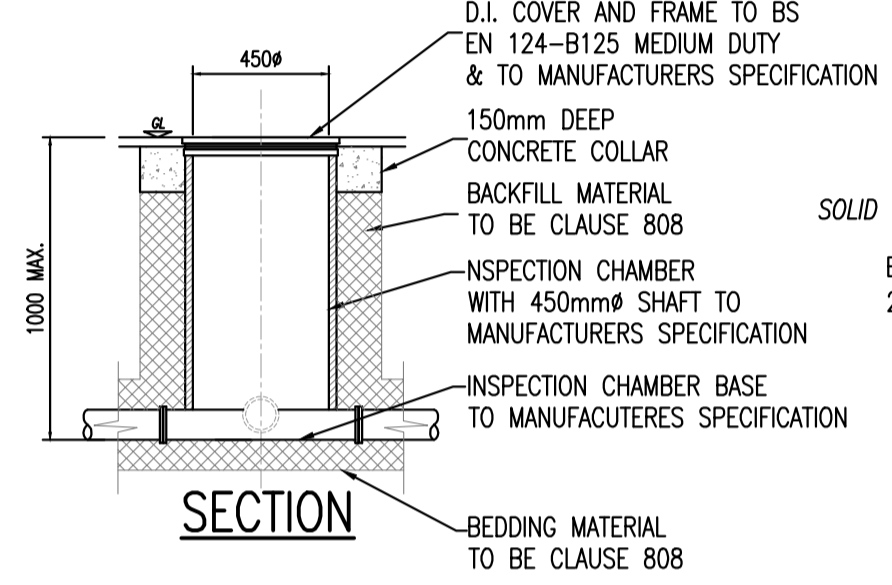
**SECTION**



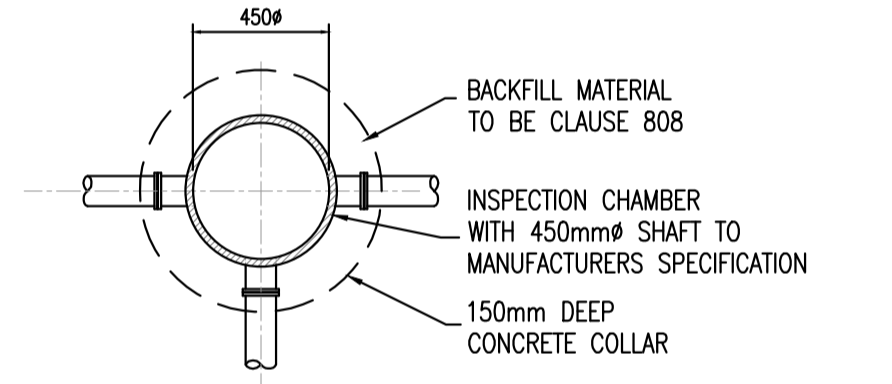
**PLAN**

**CIRCULAR INSPECTION CHAMBER WHERE  
INVERT IS 0.6m OR LESS BUILDING  
REGULATIONS TGD SECTION H TABLE 9**

SCALE 1:25



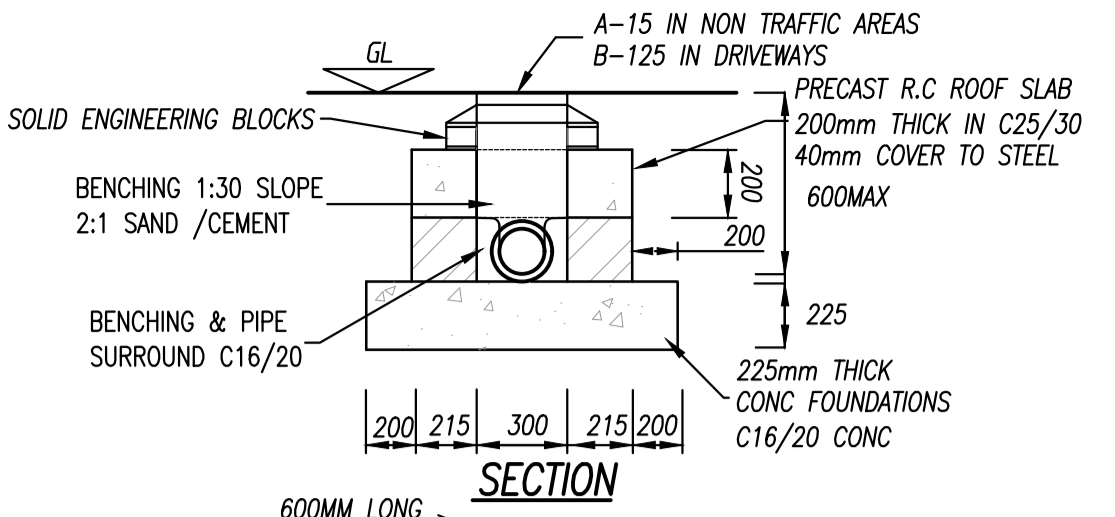
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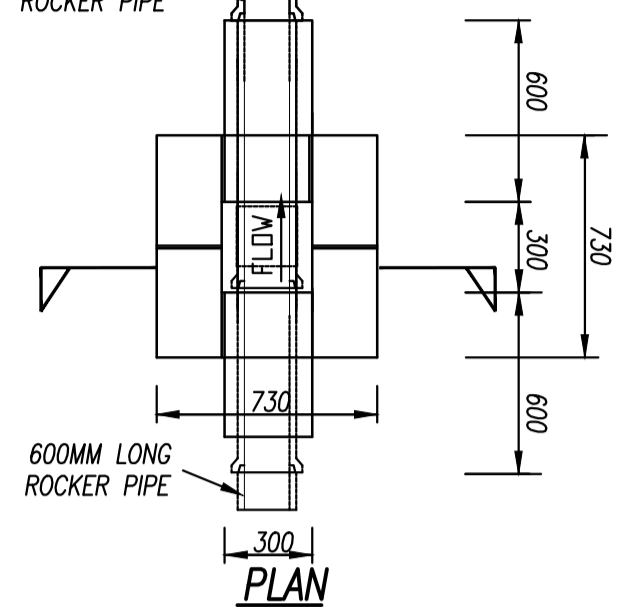
**PLAN**

**CIRCULAR INSPECTION CHAMBER WHERE  
INVERT IS 1m OR LESS BUILDING  
REGULATIONS TGD SECTION H TABLE 9**

SCALE 1:25



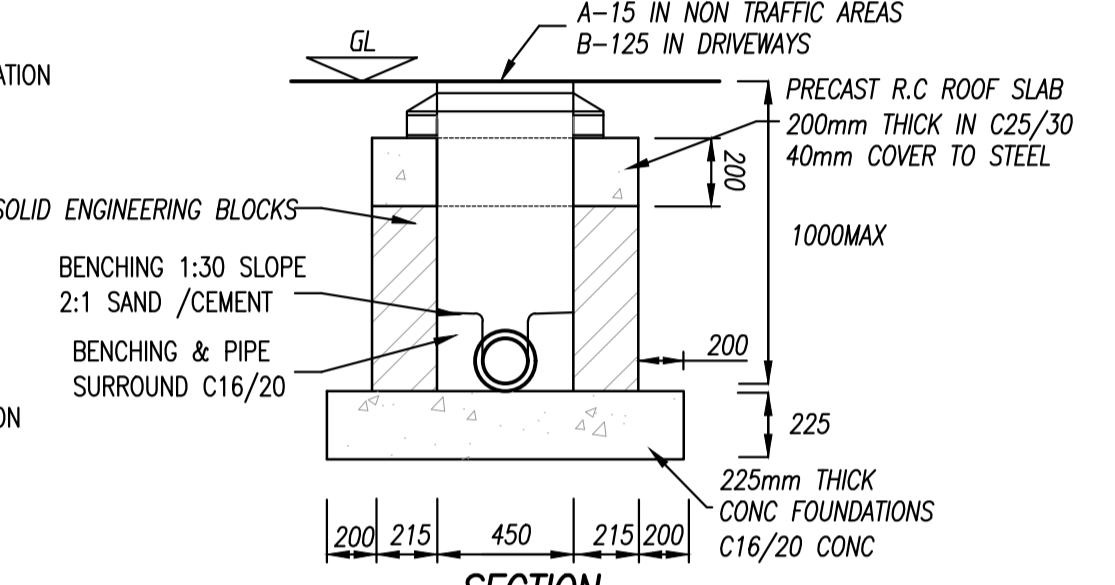
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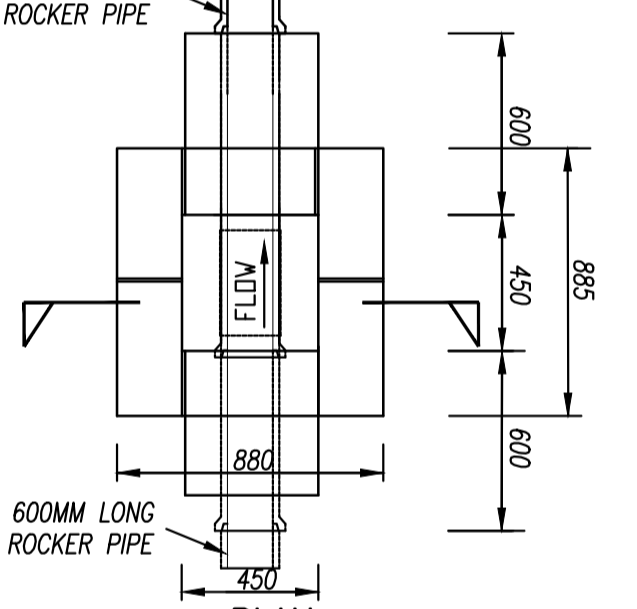
**PLAN**

**INSPECTION CHAMBER WHERE INVERT IS 0.6m OR LESS  
BUILDING REGULATIONS TGD SECTION H TABLE 9**

SCALE 1:25



**SECTION**

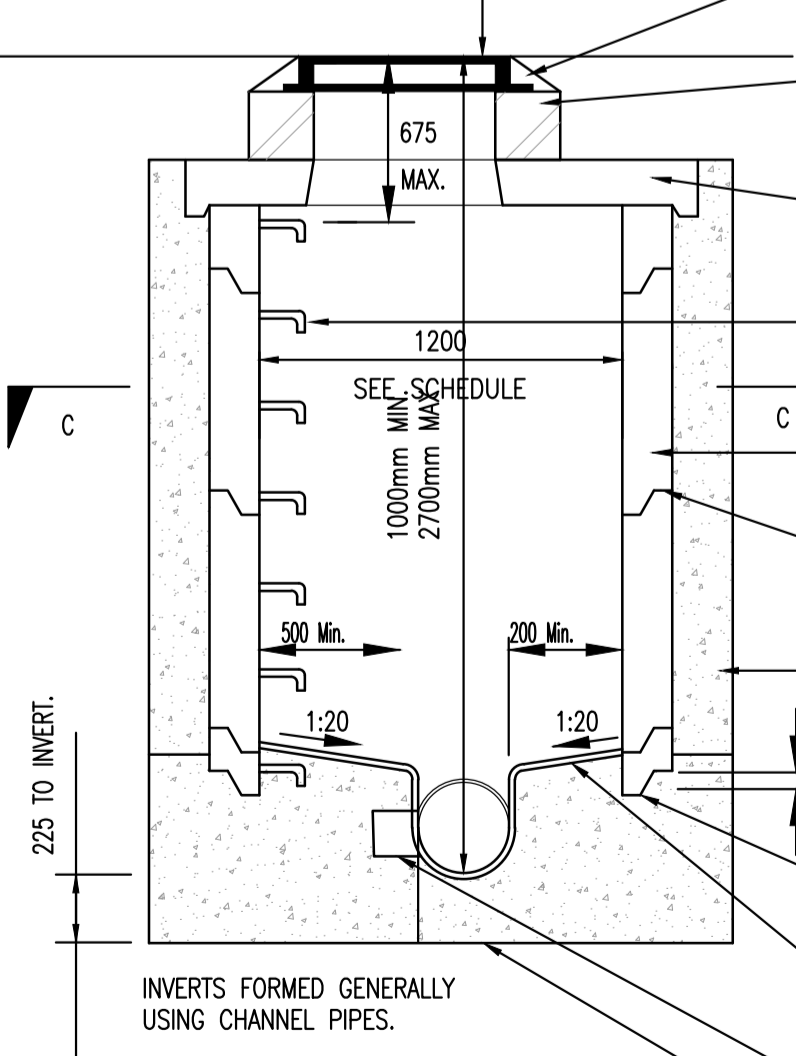


**PLAN**

**INSPECTION CHAMBER WHERE INVERT IS 1m OR LESS  
BUILDING REGULATIONS TGD SECTION H TABLE 9**

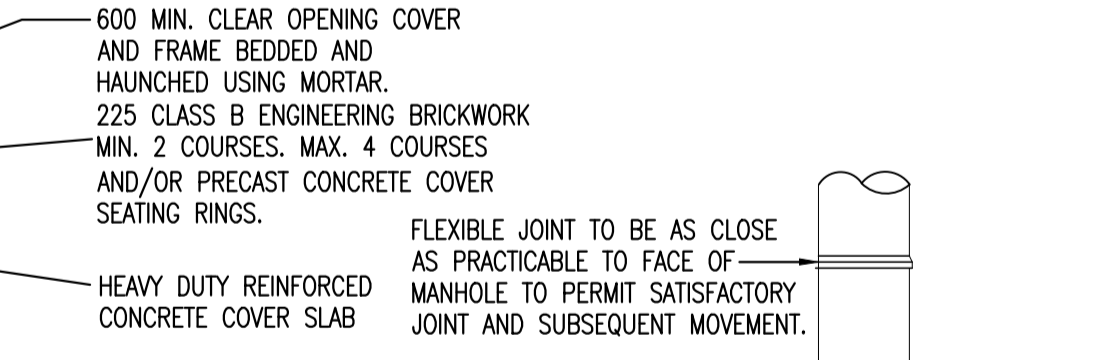
SCALE 1:25

A-15 IN NON TRAFFIC AREAS  
B-125 IN DRIVEWAYS. 600 MIN. CLEAR  
OPENING, COVER AND FRAME BEDDED AND  
HAUNCHED USING MORTAR.



**CIRCULAR MANHOLE WHERE INVERT IS  
BETWEEN 1m AND 2.7m BUILDING  
REGULATIONS TGD SECTION H TABLE 9**

SCALE 1:25



**SECTION C-C**

SCALE 1:25

**PIPES BEDDED IN GRANULAR MATERIAL  
COVER > 0.9m IN ROADS  
COVER > 0.6m IN GARDENS**

SCALE 1:25

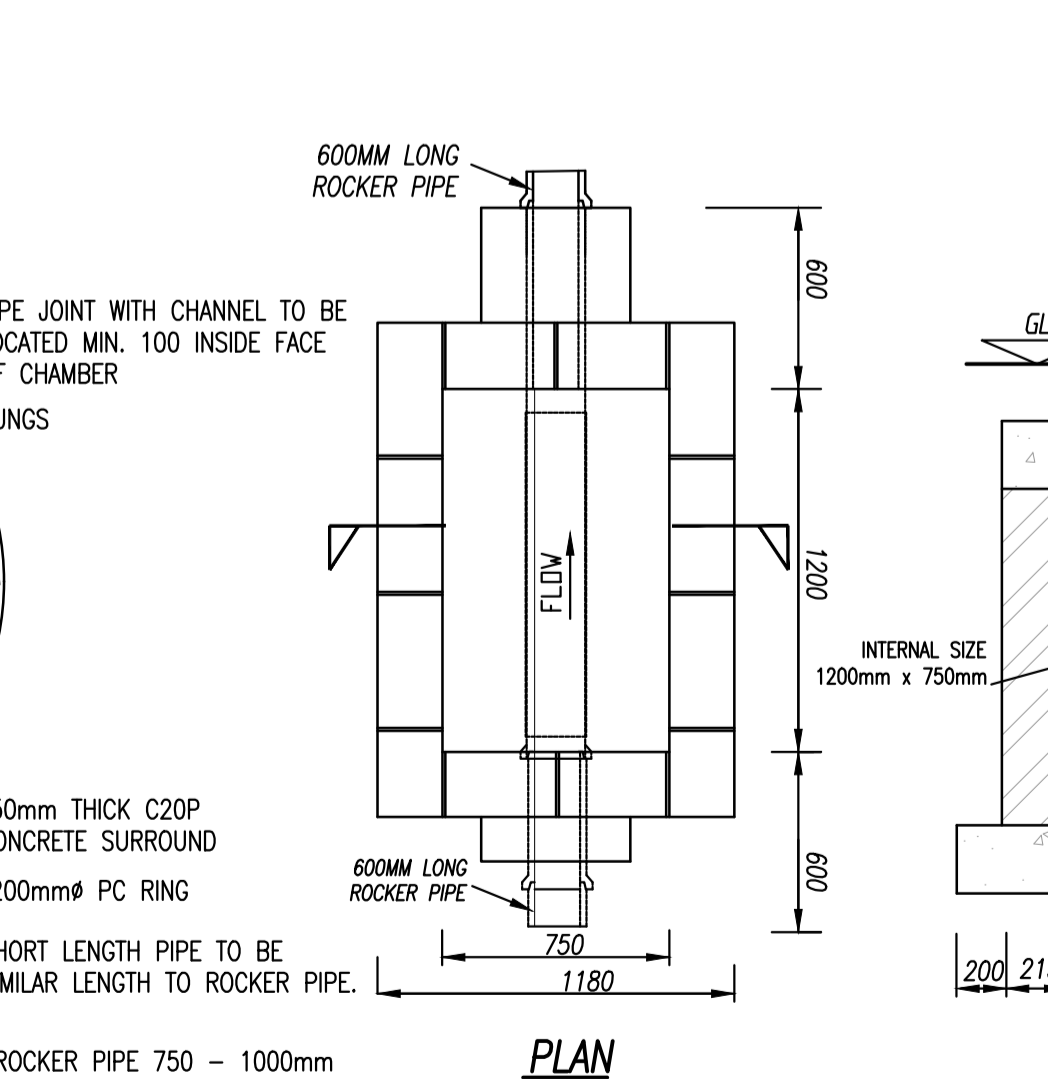
**PIPES BEDDED IN CONCRETE  
COVER < 0.9m IN ROADS  
COVER < 0.6m IN GARDENS**

SCALE 1:25

**PIPES BEDDING ALTERNATIVE DETAIL  
COVER < 0.9m IN ROADS  
COVER < 0.6m IN GARDENS**

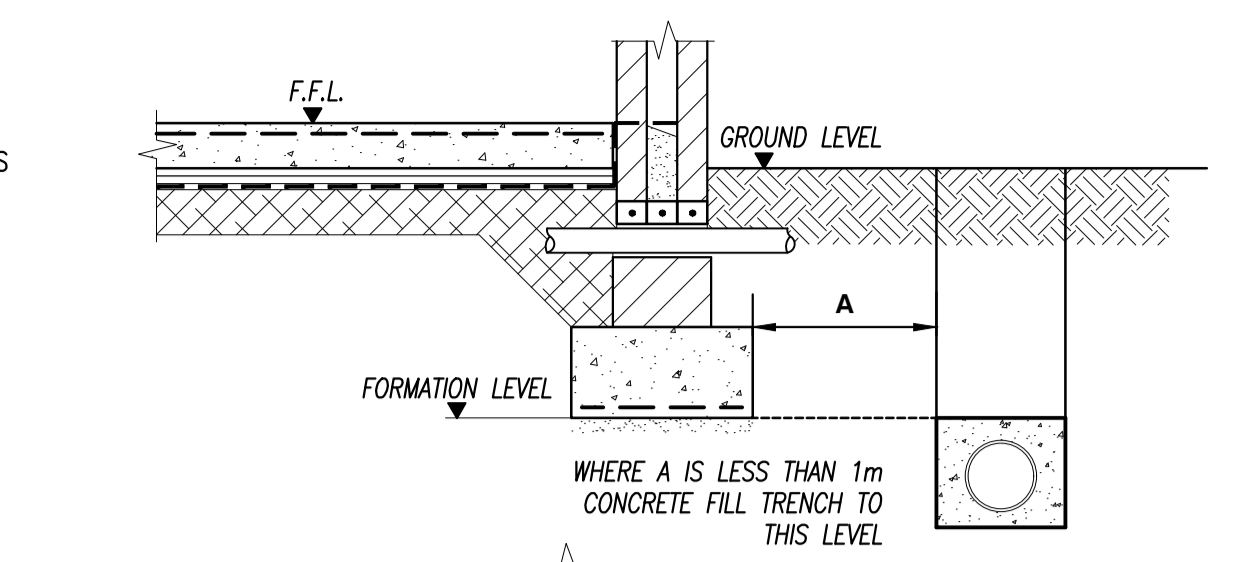
SCALE 1:25

ALTERNATIVE OPTION:  
MANHOLE CHAMBERS > 1.5m DEEP - USE 1200# PRECAST CONCRETE SYSTEM  
MANHOLE CHAMBERS > 1.0m DEEP - USE 1050# PRECAST CONCRETE SYSTEM  
MANHOLE CHAMBERS > 0.6m DEEP - USE 450# WOVEN CHAMBERS OR SIMILAR APPROVED  
MANHOLE CHAMBERS < 0.6m DEEP - USE 300# WOVEN AJ CHAMBERS OR SIMILAR APPROVED  
BEDDING SURROUND - USE 10mm PEA GRAVEL



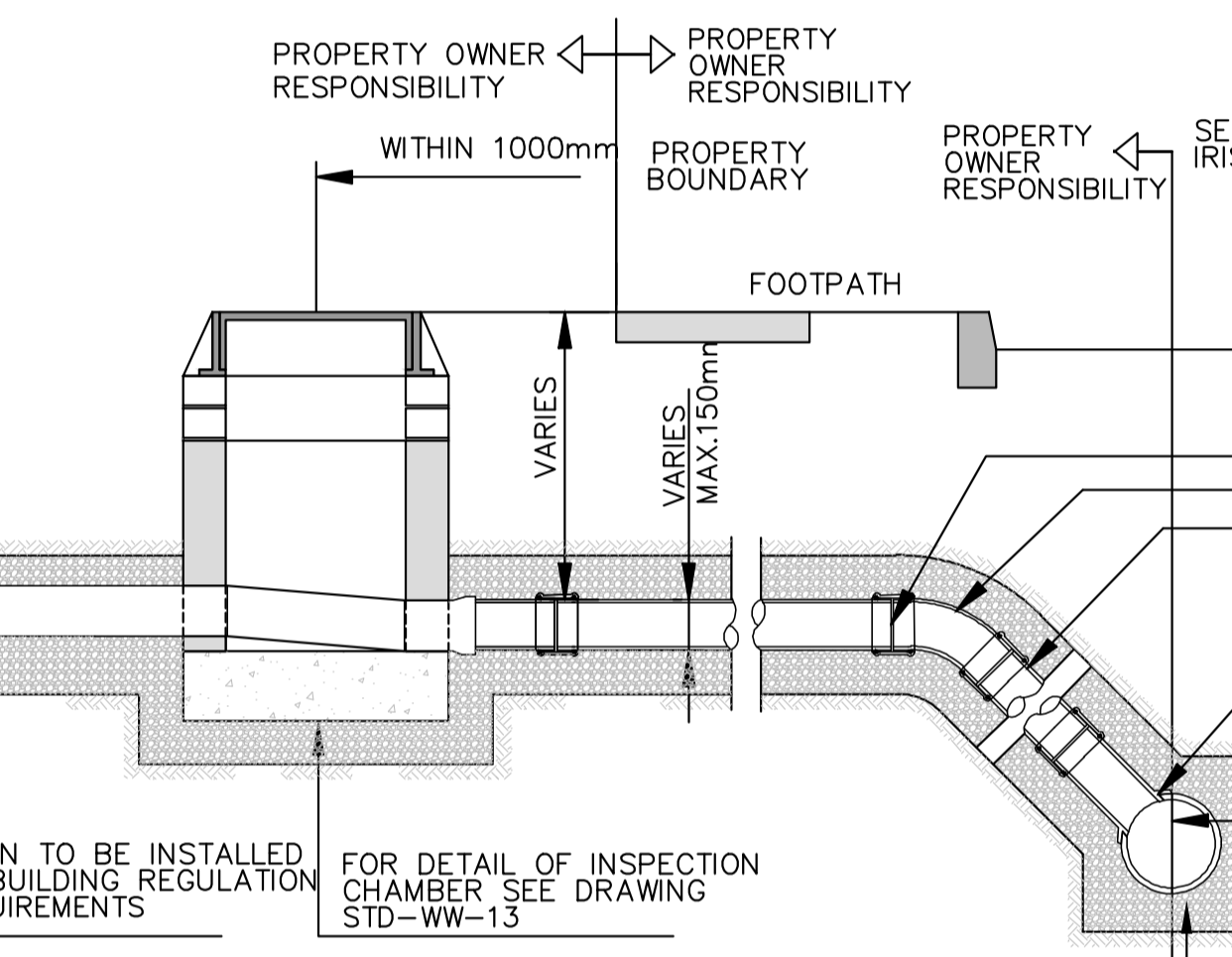
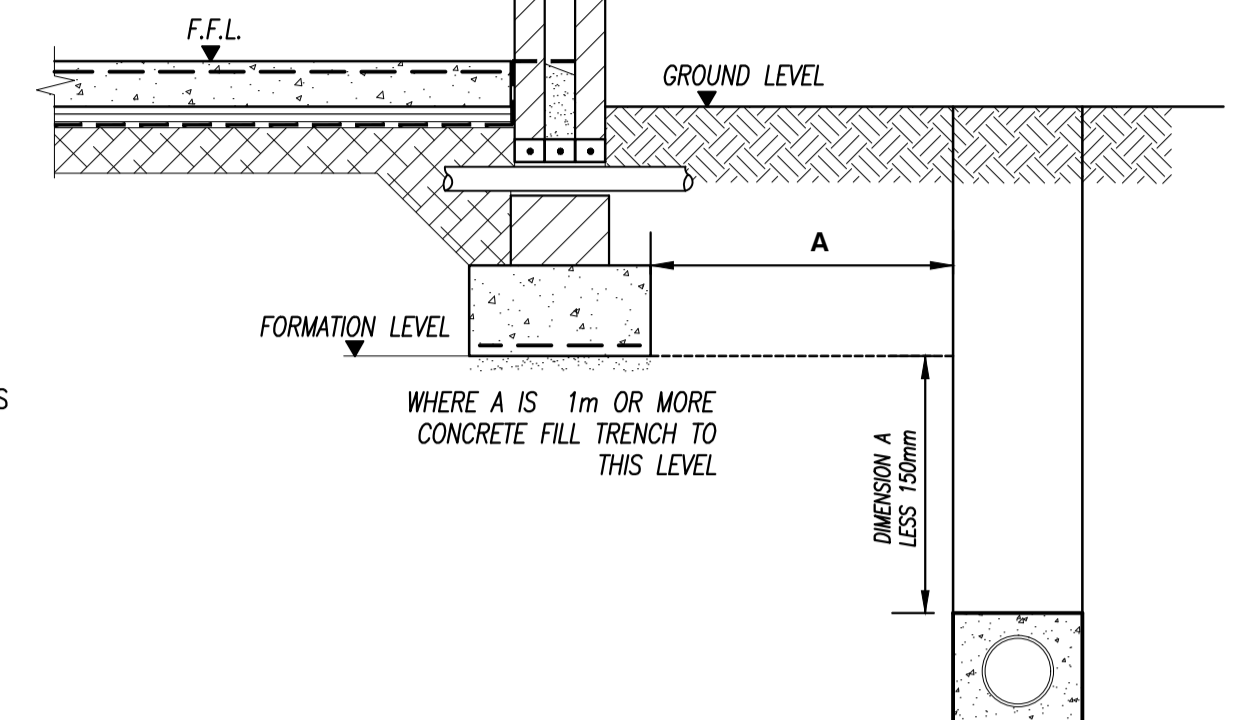
**MANHOLE DEPTH TO INVERT IS BETWEEN 1m AND 2.7m  
BUILDING REGULATIONS TGD SECTION H TABLE 9**

SCALE 1:25



**TYPICAL DETAIL WHERE PIPE RUNS NEAR BUILDINGS**

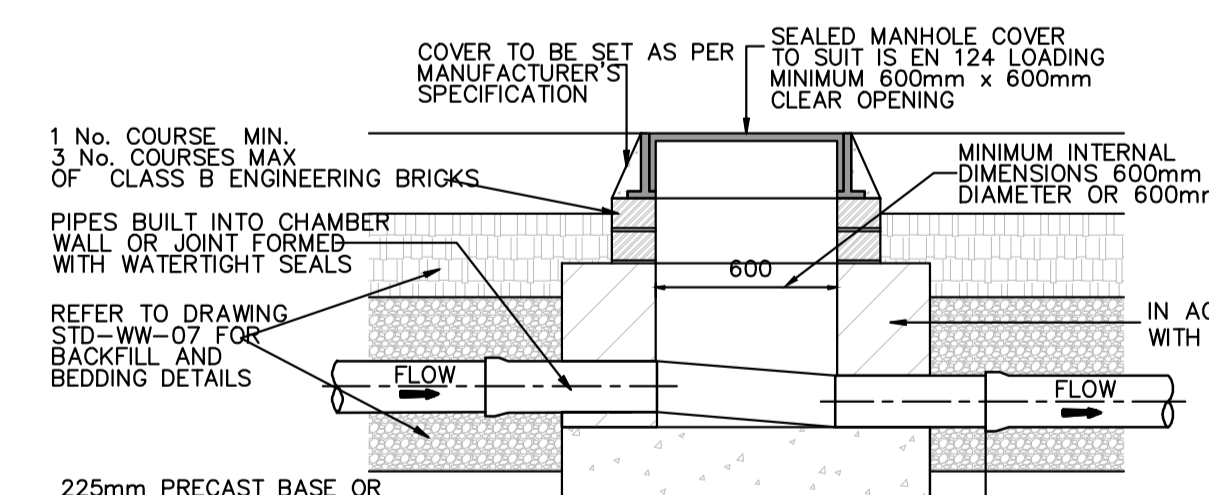
SCALE 1:25



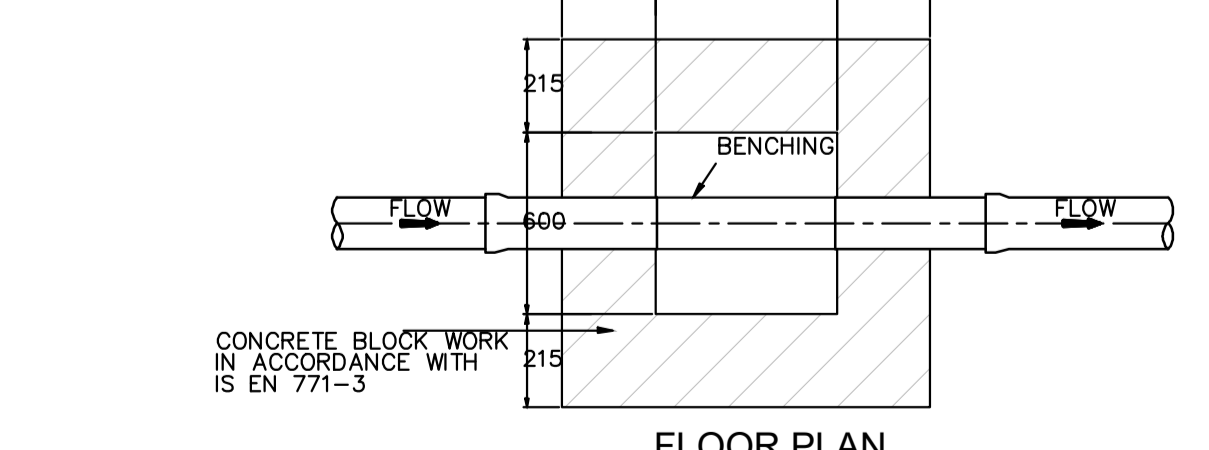
PIPE SIZE (mm)	GRADIENT
100	1 : 60
150 TO 225	1 : 150 MINIMUM

**PRIVATE DRAIN AND SERVICE CONNECTION PIPEWORK**

N.T.S.

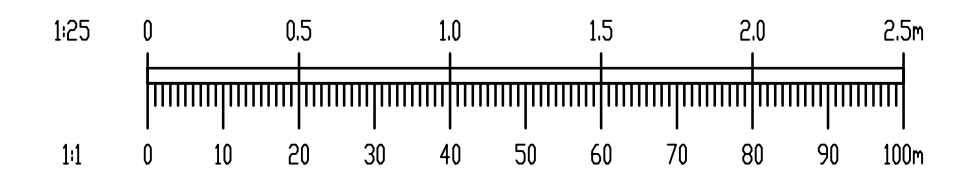


**SECTION**



**FLOOR PLAN  
INSPECTION CHAMBER  
(BLOCK WORK CONSTRUCTION)**

N.T.S.



NOTES:

- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- TYPE A GRANULAR FILL SHALL CONSIST OF WASHED PEA GRAVEL. ALL MATERIAL SHALL PASS A 19mm B.S. SIEVE TEST AND SHALL BE RETAINED BY A 4.75mm B.S. SIEVE TEST.
- SELECTED FILL SHALL BE FREE FROM STONES GREATER THAN 25mm IN SIZE, BUILDERS RUBBLE VEGETABLE MATTER AND LUMPS OF CLAY GREATER THAN 75mm IN SIZE AND SHALL BE COMPACTED IN 150mm LAYERS.
- IN OPEN SPACES BACKFILL SHALL CONSIST OF SUITABLE SELECTED EXCAVATED MATERIAL. UNDER PAVED AREAS BACKFILL SHALL CONSIST OF SUITABLE APPROVED GRANULAR FILL. GENERAL BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 300mm THICK.
- CONCRETE BED AND SURROUND SHALL BE USED ON ALL PIPES WHERE COVER TO THE SOFFIT OF THE PIPE IS LESS THAN 1.2m IN ROADS, FOOTPATHS AND GRASS MARGINS AND 0.9m IN OPEN SPACES AND FIELDS.
- ALL CONCRETE FOR PIPE BEDDING, HAUNCHING AND SURROUNDS SHALL BE GRADE 20N/20.
- ALL MANHOLES SHALL BE WATERTIGHT TO THE SATISFACTION OF THE ENGINEER.
- FORMWORK TO REINFORCED CONCRETE AND MASS CONCRETE SHALL BE CLASS F2.
- CLASS U2 FINISH TO THE TOP OF SLABS. REINFORCEMENT TO SLABS TO ENGINEERS DETAILS.
- 200mm THICK CL. 30/20 MASS CONCRETE FOUNDATIONS. 225mm THICK PRECAST R.C. ROOF SLAB IN CL. 30/20 CONCRETE. COVER TO STEEL TO BE 40mm.
- TOE HOLES TO BE PROVIDED IN BENCHING OF SEWERS GREATER THAN 450mm DIAMETER FOR ACCESS TO INVERT. SAFETY CHAIN ON SEWERS 600mm. DIAM. OR GREATER MILD STEEL SAFETY CHAIN SHALL BE 10mm. NOMINAL SIZE GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING WITH BS4942 PART 2.
- WHEN DEPTH OF MANHOLES TO INVERT IS GREATER THAN 3.5m, LADDERS SHALL BE USED INSTEAD OF RUNGS. FIXED LADDERS SHOULD MEET THE DIMENSIONAL REQUIREMENTS OF BS4211 EXCEPT THAT STRINGERS SHOULD NOT BE LESS THAN 65 X 20mm IN SECTION AND RUNGS 25mm IN DIAMETER.
- LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALL AT INTERVALS OF NOT MORE THAN 3.0m STRINGERS SHOULD BE BOLTED TO CLEATS TO FACILITATE RENEWAL.
- ALL LADDERS, RUNGS, HANDRAILS, SAFETY CHAIN, ETC. SHALL BE HOT DIPPED GALVANISED TO BS729.
- ALL SURFACE WATER WORKS TO BE CARRIED OUT IN ACCORDANCE TO FINAG COUNTY COUNCIL REQUIREMENTS. ALL FOUL WATER WORKS TO BE CARRIED OUT IN ACCORDANCE TO IRISH WATER REQUIREMENTS.
- ACCESS JUNCTIONS TO BE USED AT DEPTHS OF 600mm OR LESS. INSPECTION CHAMBERS TO BE USED BETWEEN DEPTHS OF 600mm AND 1m. ALL WORKS IN ACCORDANCE WITH THE BUILDING REGULATIONS TECHNICAL GUIDANCE DOCUMENT - CURRENT VERSION & WITH IRISH WATER STANDARD DETAILS. MIN COVER REQUIREMENTS IN ACCORDANCE WITH THE BUILDING REGULATIONS TGD SECTION H. REFER TO TABLES 8 AND 9 FOR COVER AND ACCESS CHAMBER REQUIREMENTS.
- ALL MANHOLE AND CHAMBER COVERS IN TRAFFICKED AREAS INCLUDING CARPARKS, TO BE TRAFFICABLE.

Rev	Date	Description	By	CHK

Project: **PROPOSED RESIDENTIAL DEVELOPMENT  
AT OLD SLANE ROAD,  
DROGHEDA CO. LOUTH**

Title: **PRIVATE DRAINAGE CONSTRUCTION  
DETAILS**

Client: **LAGAN HOMES TULLYALLEN LTD.**

PLANNING	
Designed By	NS
Approved	MD
Drawn By	NS
Date	AUGUST 2025
Scale	@ A1
Author	AS
Checked	SHOWN
Project	OSR-WMC-PH3-00-DR-C-4222
Volume	-
Level	-
Type	-
Number	-
Revision	-