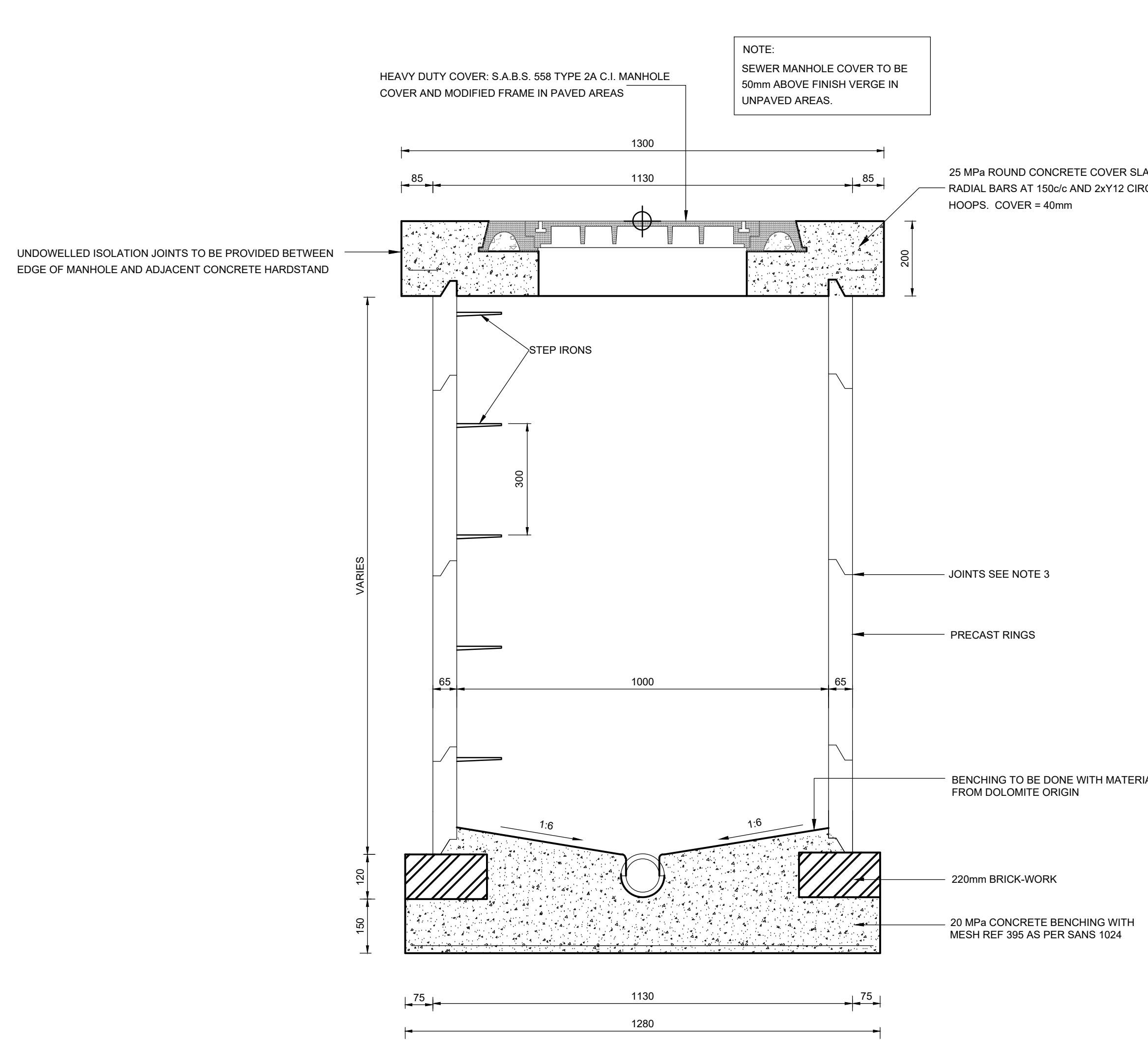
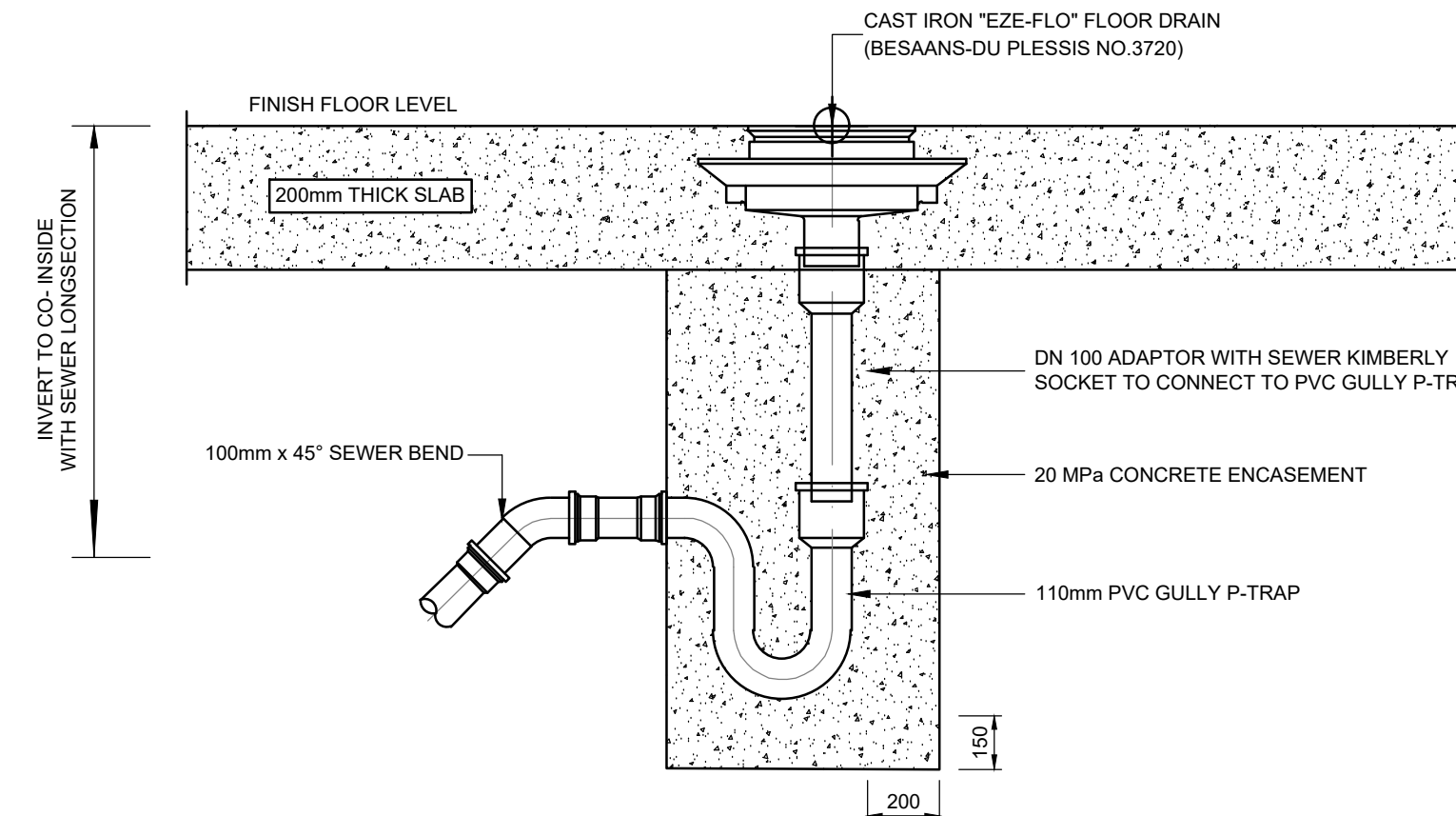


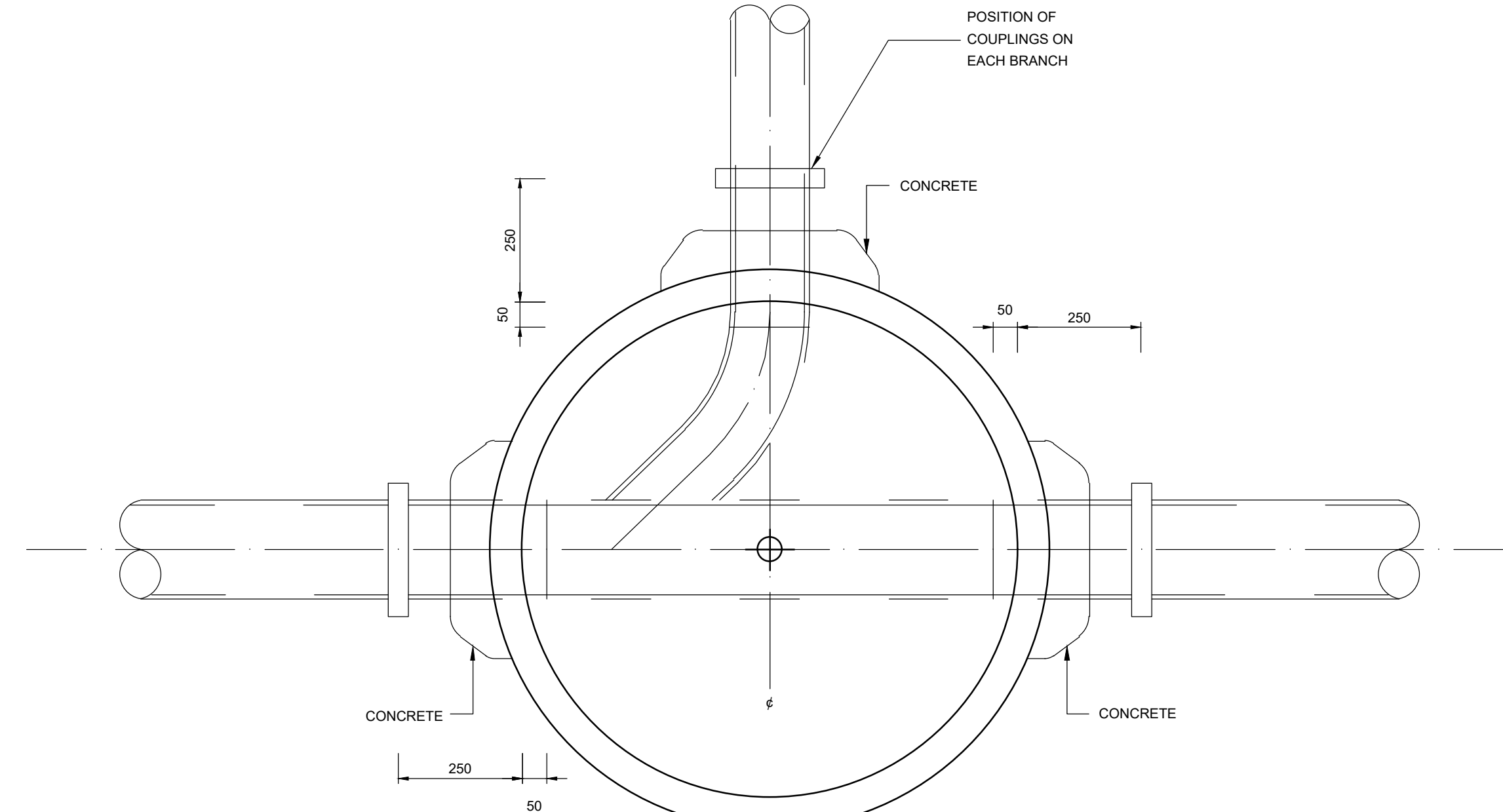
PRECAST SEWER MANHOLE > 1500mm IN DEPTH
SCALE 1 : 20



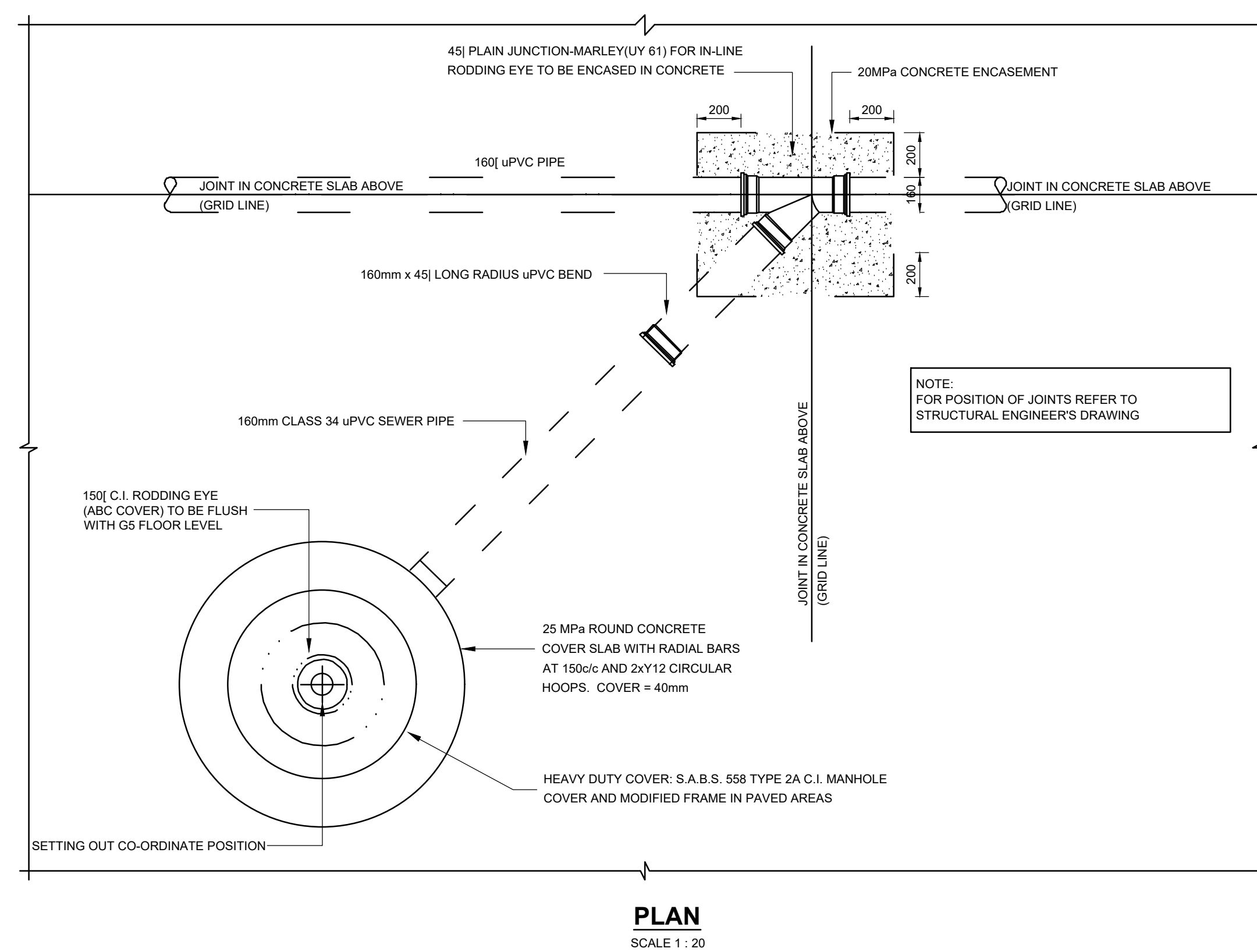
PRECAST SEWER MANHOLE < 1500mm IN DEPTH
SCALE 1 : 20



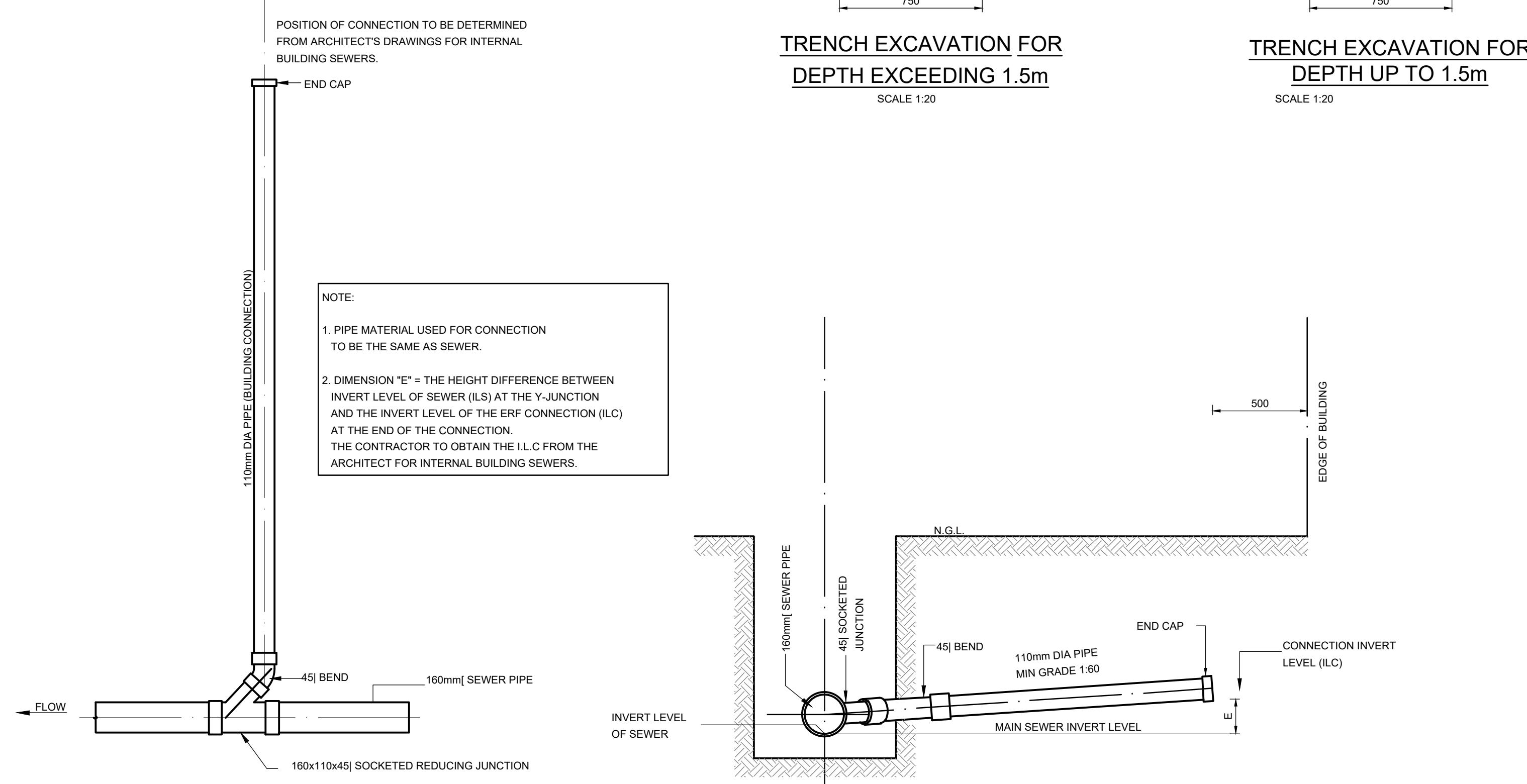
TYPICAL FLOOR DRAIN DETAIL
SCALE 1 : 20



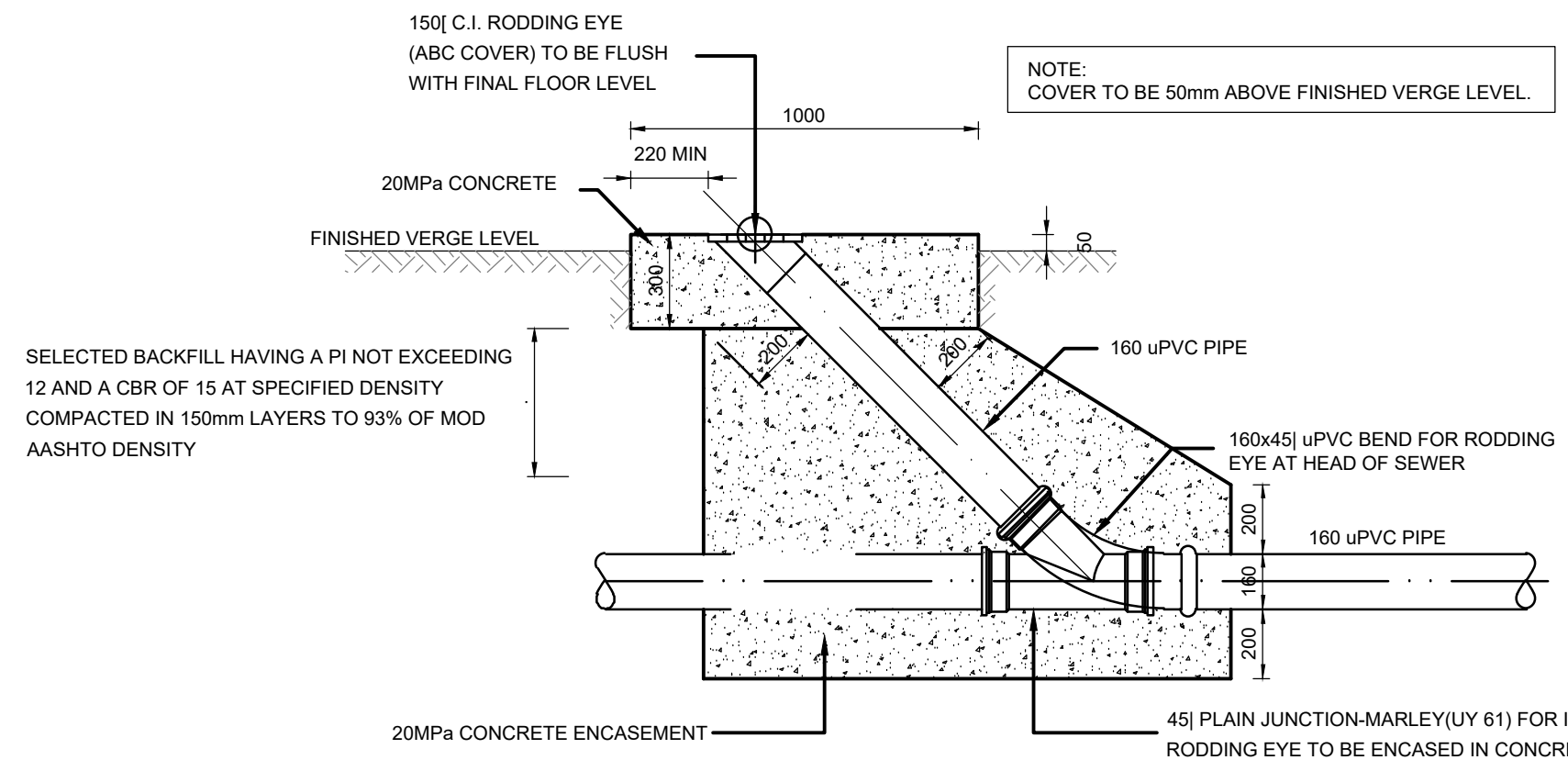
TYPICAL PLAN OF SEWER MANHOLE
SCALE 1 : 20



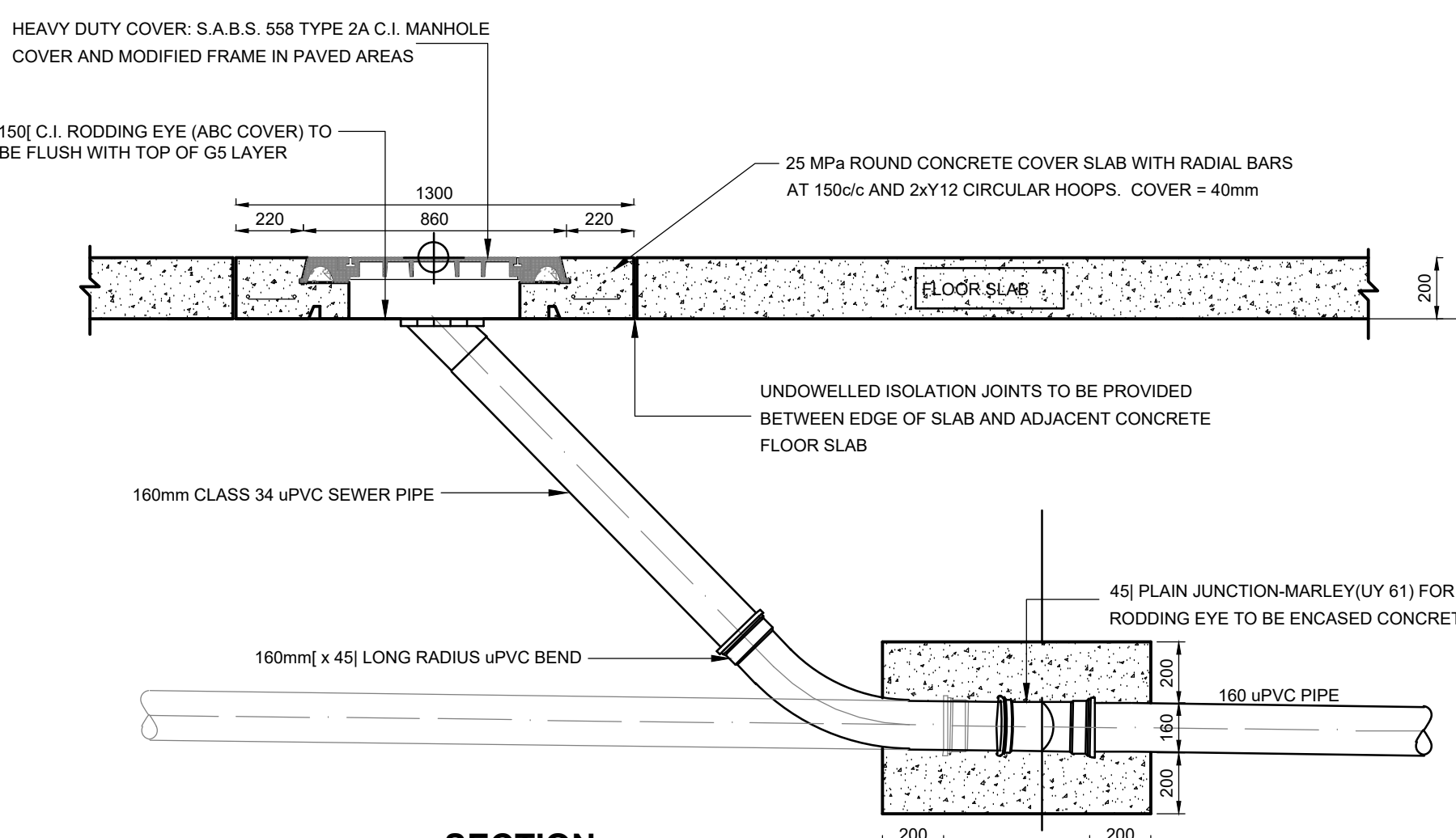
PLAN
SCALE 1 : 20



BUILDING CONNECTION DETAILS
SCALE 1 : 20



TYPICAL SECTION THROUGH RODDING EYE
ON 160mm SEWER MAIN (ELSEWHERE)
SCALE 1 : 20



SECTION
TYPICAL RODDING EYE ON 160mm
SEWER MAIN UNDER BUILDINGS
SCALE 1 : 20

- NOTES:
1. "CALCAMITE" STEP IRONS TO BE PROVIDED IN MANHOLES > 1.0m DEEP
 2. STEP IRONS TO BE SPACED AT 300mm CRS VERTICALLY AND STAGGERED AT 200mm CRS HORIZONTALLY. STARTING 500mm BELOW COVER LEVEL.
 3. BITU-JOINT OR SIMILAR BITUMEN COMPOUND TO BE USED AS A JOINT SEALANT BETWEEN MANHOLE RINGS.
 4. BENCHING TO BE FINISHED WITH MIN. 20mm THICK 1 : 3 CEMENT MORTAR
 5. COUPLINGS TO BE PROVIDED IMMEDIATELY OUTSIDE MANHOLE ON EACH BRANCH AND OUTLET.
 6. ALL SEWER MANHOLES TO BE DONE BY A REGISTERED PLUMBER IN ACCORDANCE WITH THE CODE
 7. ALL SEWER MANHOLES TO BE TESTED FOR WATER TIGHTNESS AND RECORDED FOR AS BUILT INFORMATION

Osmond Lange Architects and Planners (Pty) Ltd East London

Postal: P O Box 19175, Tecoma, 5214

Address: Plot Mill House The Quarry Selborne, East London

Tel: (043) 721-0033
Fax: (043) 721-0038
Email: info@ol.co.za

The design and content of this drawing is the property of Osmond Lange Architects and the copyright thereof is reserved by them.

GENERAL NOTE

1. ALL STRUCTURAL, ELECTRICAL, CIVIL AND LANDSCAPING QUERIES ARE TO BE REFERRED TO THE RELEVANT CONSULTANTS DRAWINGS, SPECIFICATIONS AND DETAILS
2. ALL PLUMBING QUERIES ARE TO BE REFERRED TO THE RELEVANT SPECIALIST CONSULTANTS DRAWINGS, SPECIFICATIONS AND DETAILS
3. ALL CONCRETE, COLUMNS AND STRUCTURAL QUERIES ARE TO BE REFERRED TO THE RELEVANT STRUCTURAL ENGINEERS DRAWINGS, SPECIFICATIONS AND DETAILS
4. ALL EXTERNAL, INTERNAL WALLS REQUIRING BRACING / STIFFENING ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT STRUCTURAL ENGINEERS DRAWINGS, SPECIFICATIONS AND DETAILS
5. ALL SPECIFICATIONS WITH REGARD TO FIRE REGULATIONS, TO BE REFERRED TO THE RELEVANT FIRE REGULATIONS, SPECIFICATIONS AND DETAILS
6. ALL DESIGN AND CONSTRUCTION TO COMPLY WITH THE RELEVANT SANS REGULATIONS
7. ANY DISCREPANCY IN THE DRAWINGS, DIMENSIONS & SPECIFICATIONS TO BE BROUGHT TO THE ATTENTION OF THE CONSULTANT AND ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND
8. ONLY DIMENSIONS TO BE FOLLOWED - SCALED DIMENSIONS OF DRAWINGS WILL NOT BE PERMITTED

No	Date	Revision	Description	By
----	------	----------	-------------	----

PROJECT TEAM

Project Managers :

newground projects

Newground Projects 17 St Andrews Road, Selborne, East London, 5201 043 722 5864
Louis Fourie 0825766828
Louis@newground.co.za

Principal Agent/ Architects :

Osmond Lange Architects and Planners Plot Mill House, The Quarry, Selborne East London (043) 721-0033
William Martinson 083 3220900
William@ol.co.za

Quantity Surveyors :

Biswe Van Niekerk The Ridge Office Park, 2nd Floor 3 Bena Terrace, Bena, East London 043 721 1043
Willem van Niekerk 0824921605
willem@biswe.co.za

Civil & Structural Engineers :

BVI Border 1st Floor, Esprit House, St Helena Drive East London, 5241 043 - 722 2738
Werner de Lange 082 578 0674
Werner@bvi.co.za

Electrical & Mechanical Engineers :

Evans Consulting Engineers co 17 Surrey Road, Vincent, East London 5247 043 7213192
Darryl Evans 083 7026399
darryl@evansconsulting.co.za

Town Planners :

CS Consulting 12 Pearce Street, Harroway House Bena, East London 5241
Craig Sam 0793267147
Craig@csamconsulting.co.za

CLEINT

east london idz business streamlined

CLIENT APPROVAL :

GARY WHITTAKER
Project Manager
Tel: 083 7026247
Cell: 083 3463209
E-mail: gary@elidz.co.za

DATE :

TENANT

NAME :

DESIGNATION:

Project

Drawing Title

SEWER GENERAL DETAILS

Date 01.05.2019 Drawn Author

Scale AS SHOWN Checked Checker

Approved

Name: Approver Reg No: PrArch5559

Signature: Date:

Practice: Osmond Lange Architects and Planners

Workstage

FOR INFORMATION

Drawing Number

Revision

33722- HS1 -DET-1

2019/05/06 12:02:01 PM