

- 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 STRUCTURAL ENGINEER'S DRAWINGS, SPECIFICATIONS AND DETAILS.
 4. ALL EXTERNAL, INTERNAL WALLS REQUIRING BRACING / STIFFENING ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S DRAWINGS, SPECIFICATIONS AND DETAILS.
 5. ALL SPECIFICATIONS WITH REGARD TO FIRE REGULATIONS, TO BE REFERRED TO CONSULTANTS DRAWINGS, 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 FIGURED 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, S20 1 043 722 5864
Louis Fourie
0825766828
Louis@newground.co.za

Principal Agent/ Architects :
OL OSMOND LANGE
Osmond Lange Architects and
Planners Pilot Mill House, The
Quarry, Selborne East London
(043) 721-0033
William Martinson
083 3255900
Williamm@o-l.co.za

Quantity Surveyors :
BSIWE VAN NIEKERK INC.
Bisiwe Van Niekerk The Ridge
Office Park, 2nd Floor 3 Berea
Terrace, Berea, East London
043 721 1043
Willem van Niekerk
0824921695
willem@bisiwe.co.za

Civil & Structural Engineers :
bvi 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 Evans Consulting Engineers cc
17 Surrey Road, Vincent, East
London 5247
043 7213192
Darryl Evans 083 7026399
darryl@evansconsulting.co.za

Town Planners :
CS CONSULTING
CS Consulting 12 Pearce
Street, Harraway House Berea,
East London 5241
Craig Sam
0793267147
Craig@csamconsulting.co.za

CLEINT

east london idz
business development
PO Box 5458, Greenfields
East London, 5206
Lower Chester Road
Sunnyridge, 5201
East London, South Africa
Tel: +27(0)437028200
Fax: +27(0)437386405
Email: info@elidz.co.za

CLIENT APPROVAL :

DATE : _____

TENANT

NAME : _____ **TENANT APPROVAL :** _____
DESIGNATION: _____ **DATE :** _____

Project
**PROPOSED DATA CENTRE
ON ERF 60917**

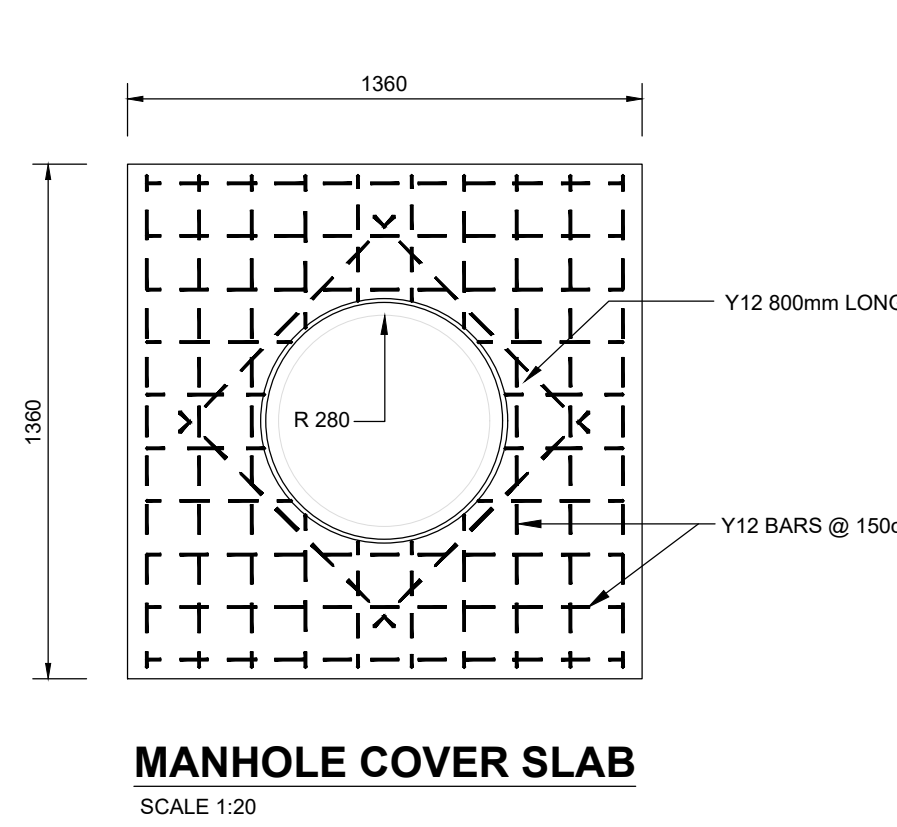
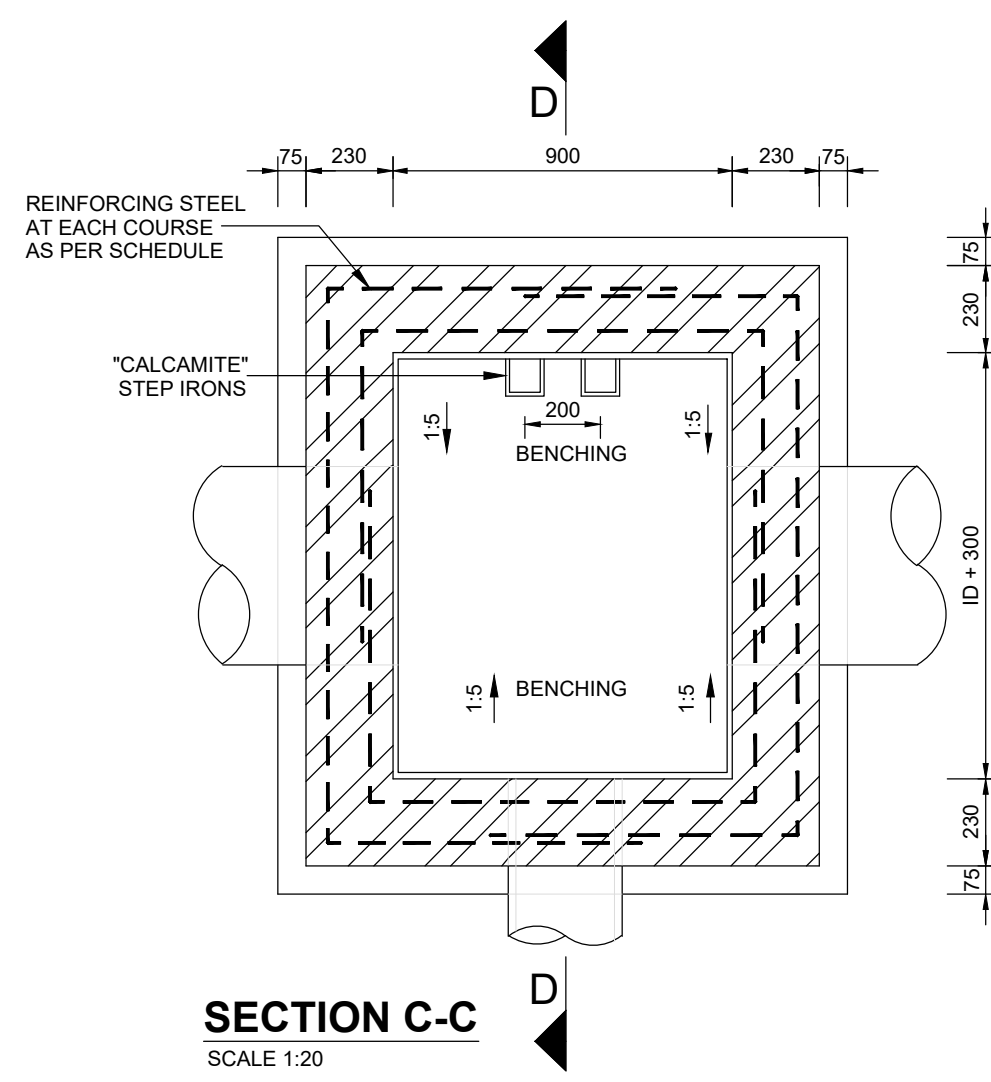
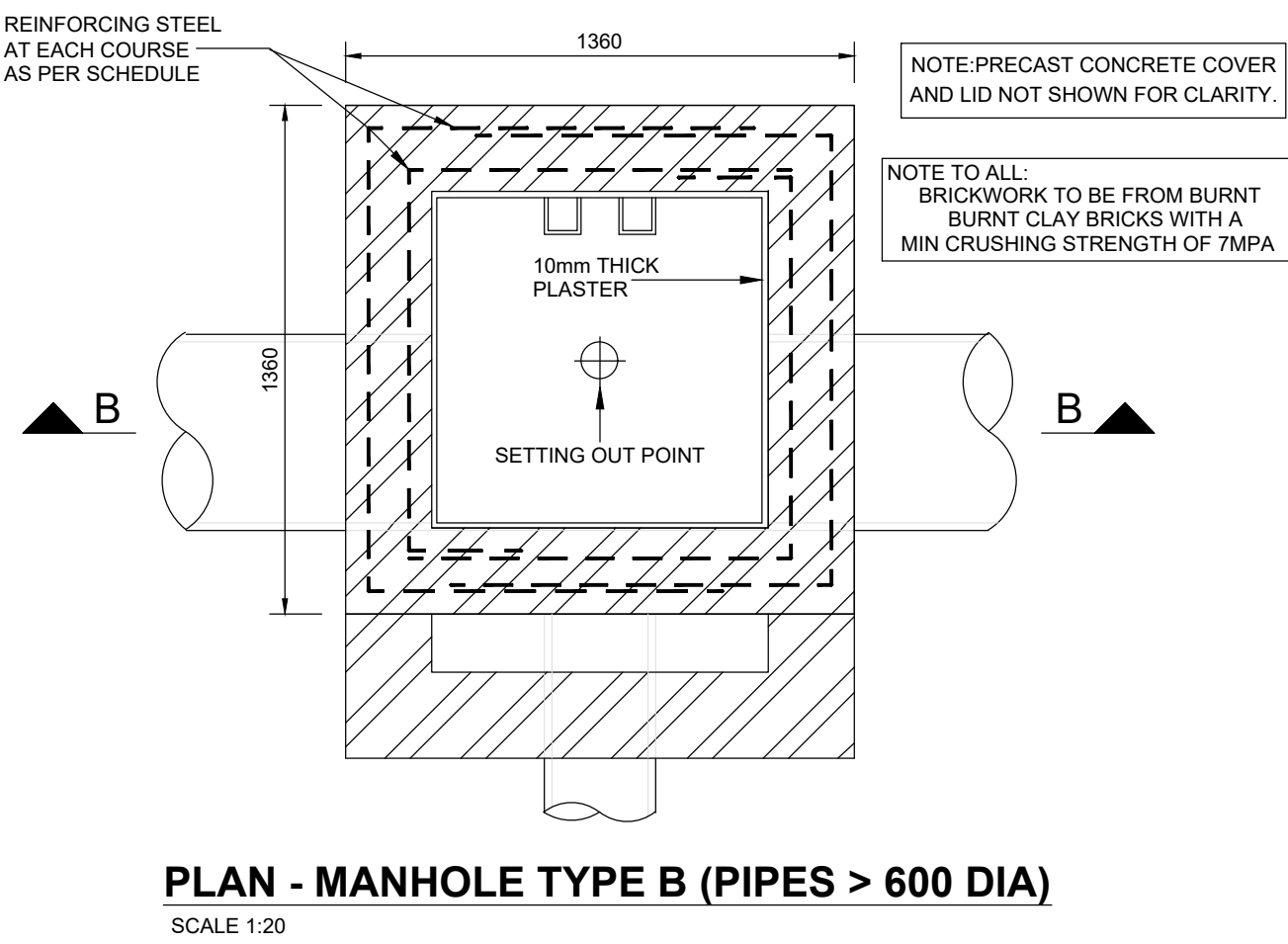
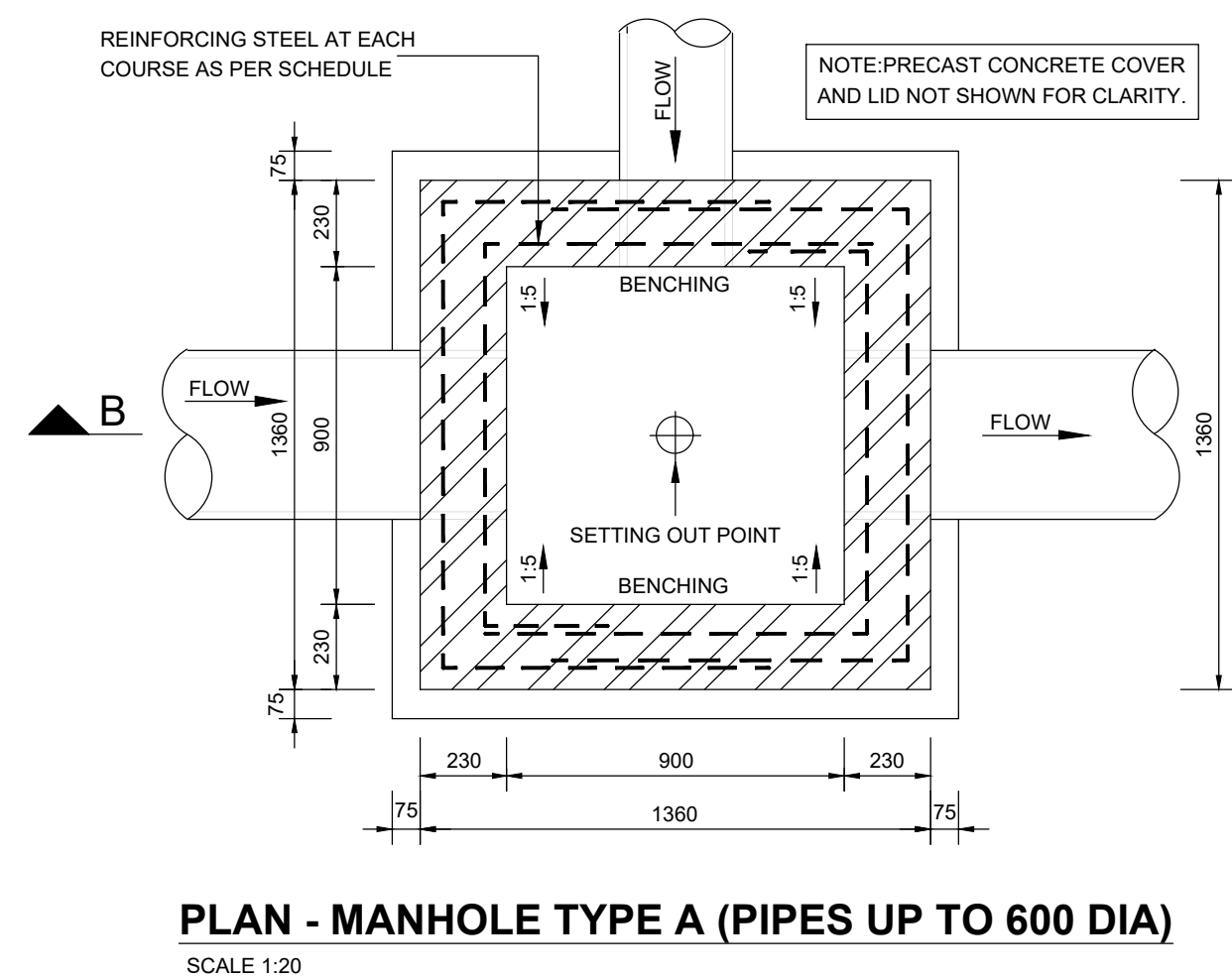
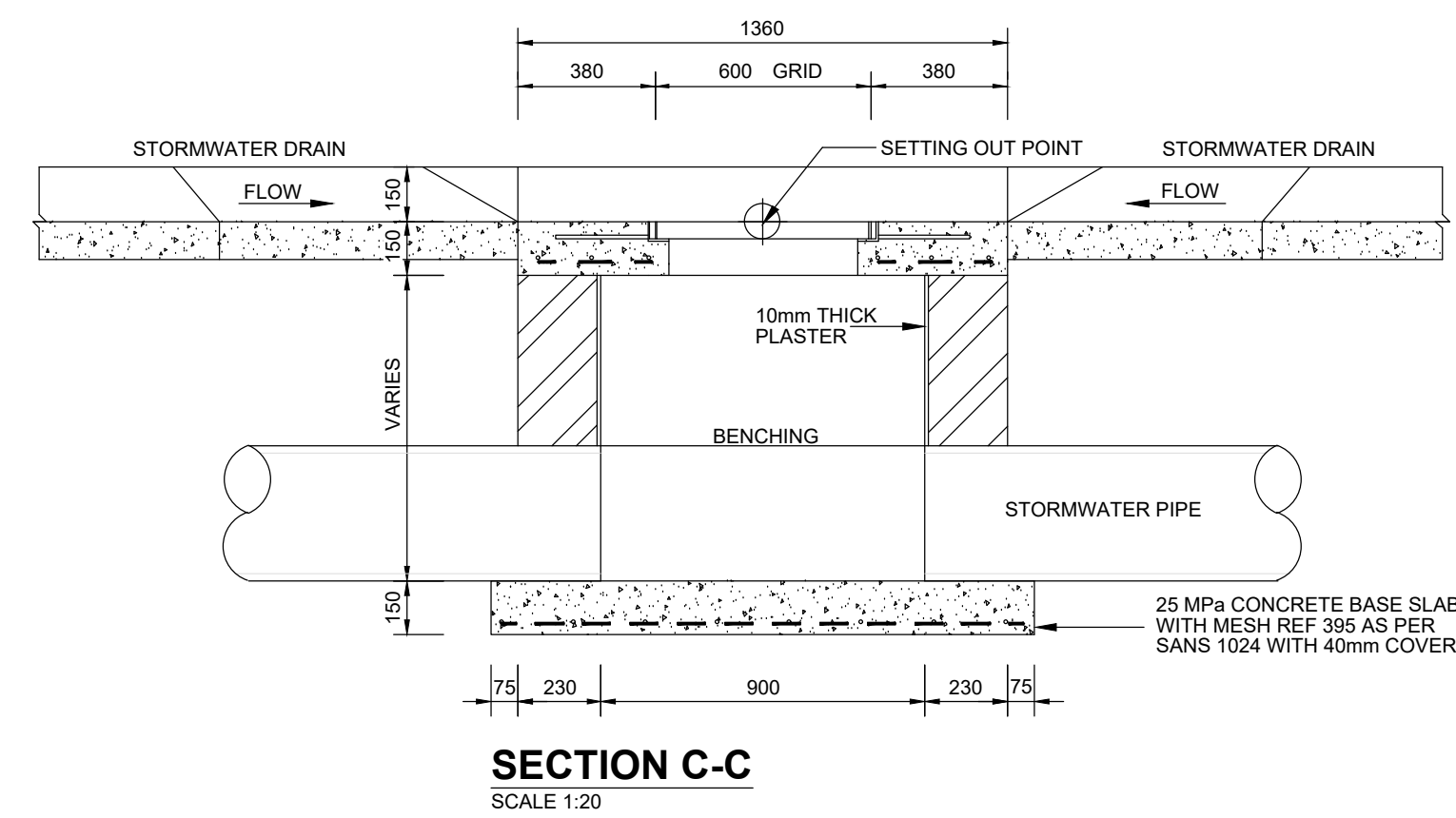
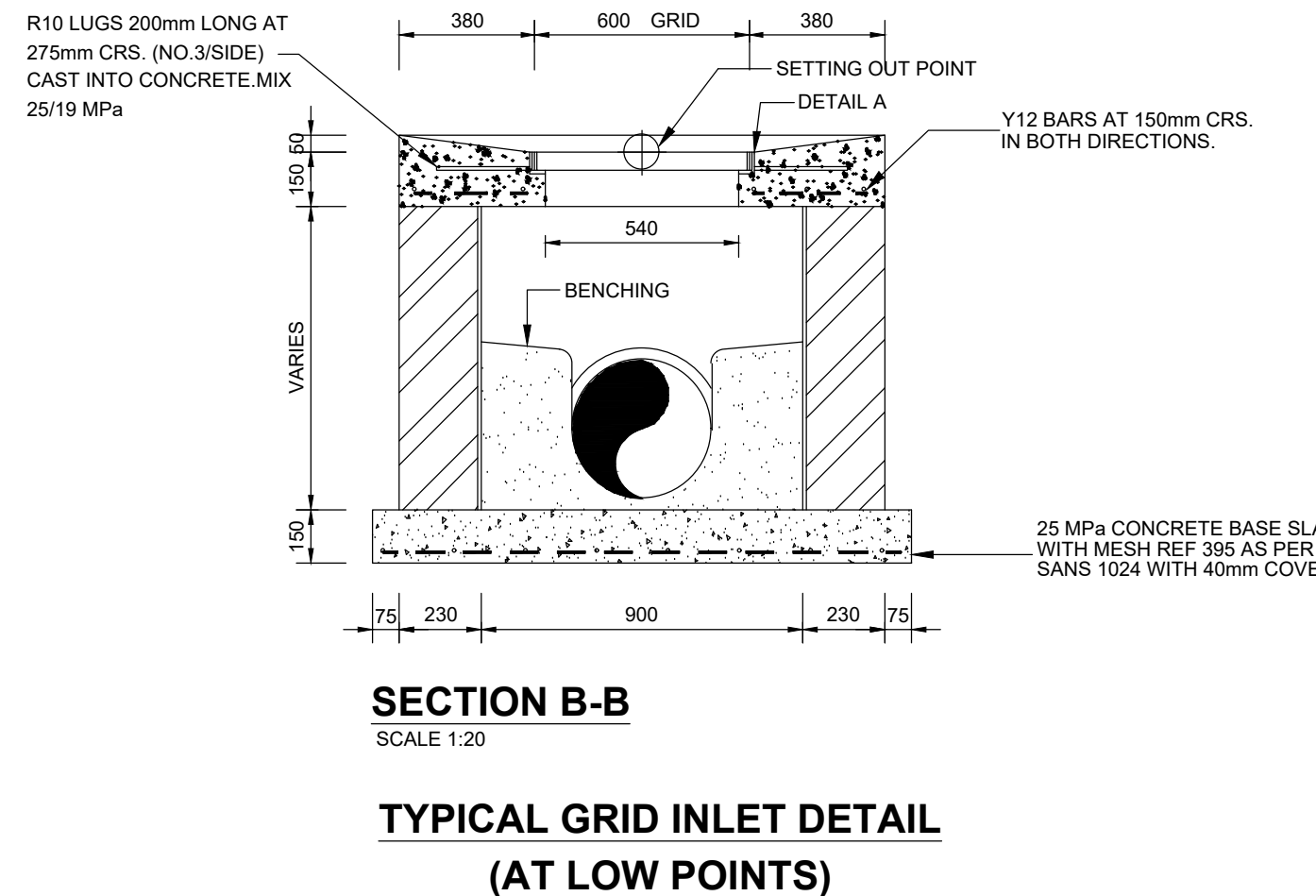
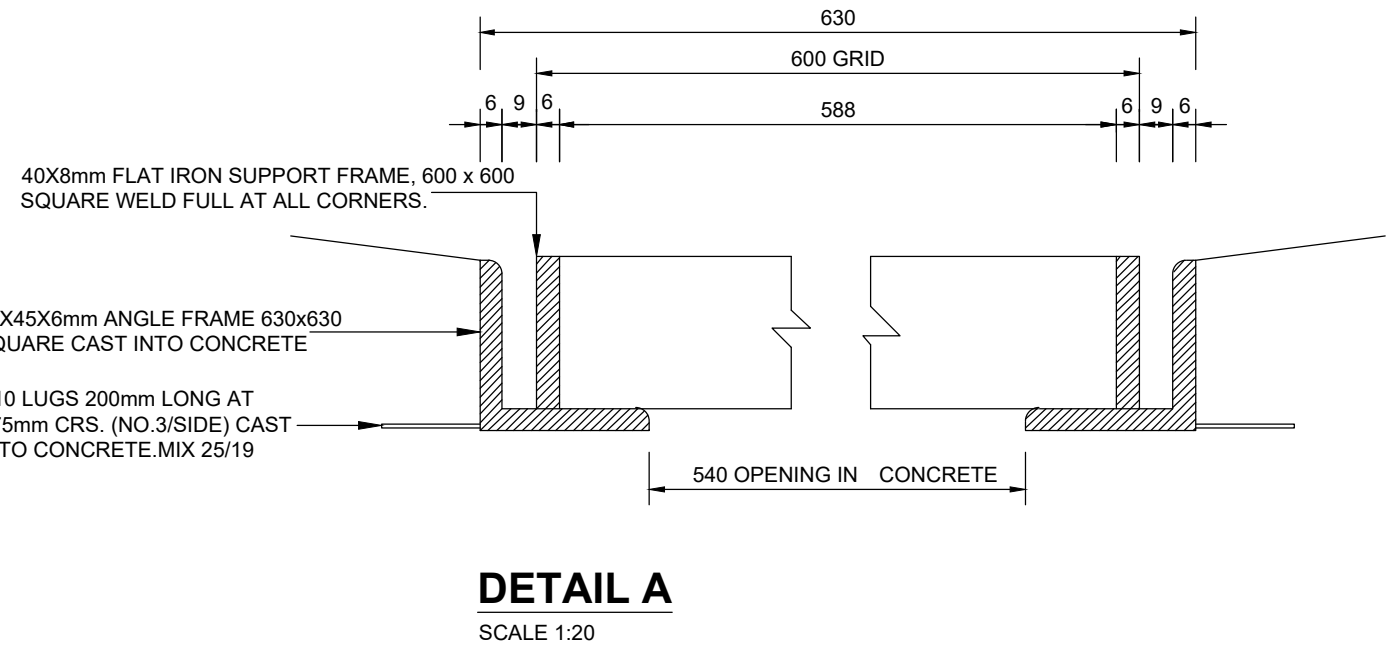
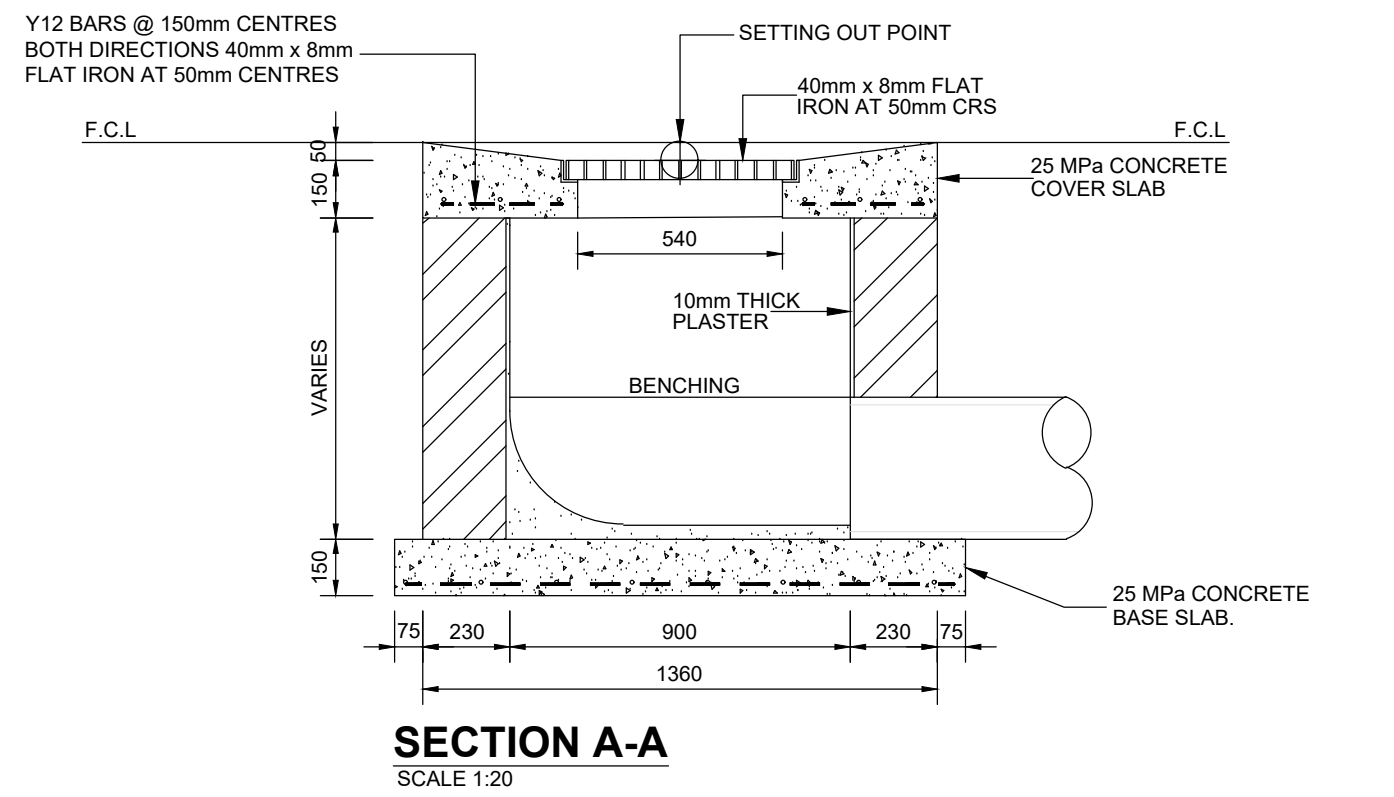
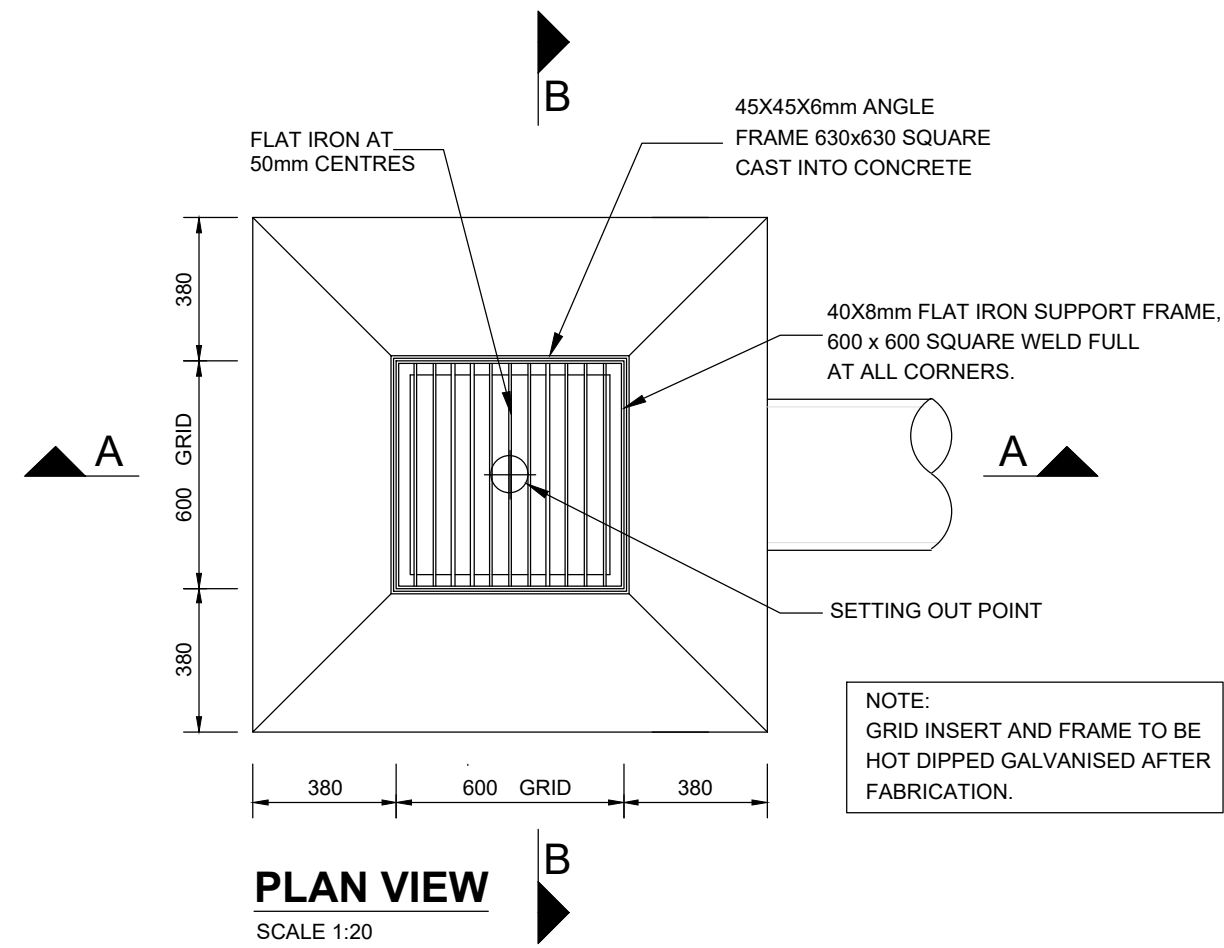
Drawing Title
**STORMWATER
GENERAL DETAILS 1 OF 3**

Date 01.05.2019 **Drawn** _____ **Author** _____
Scale AS SHOWN **Checked** _____ **Checker** _____

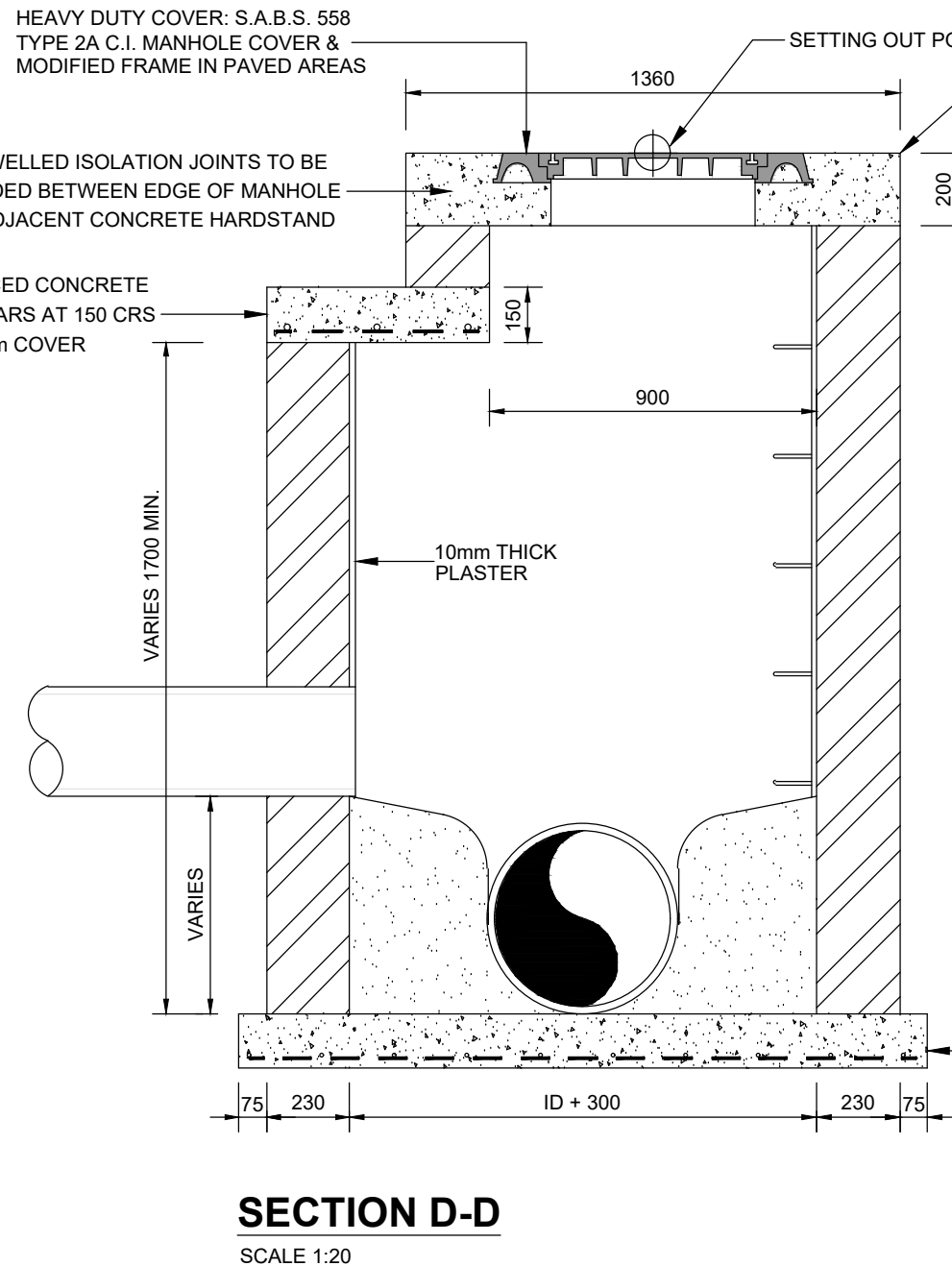
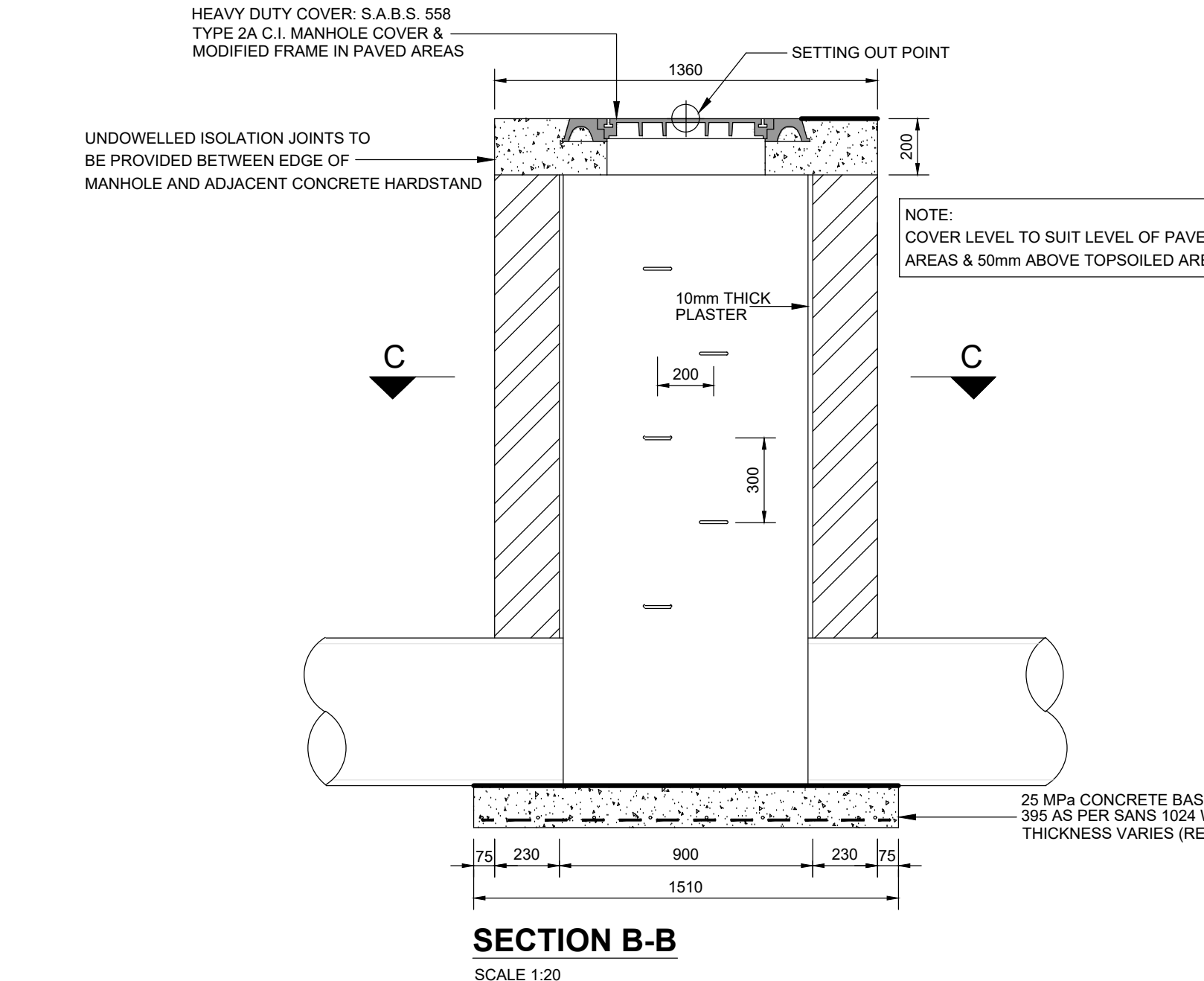
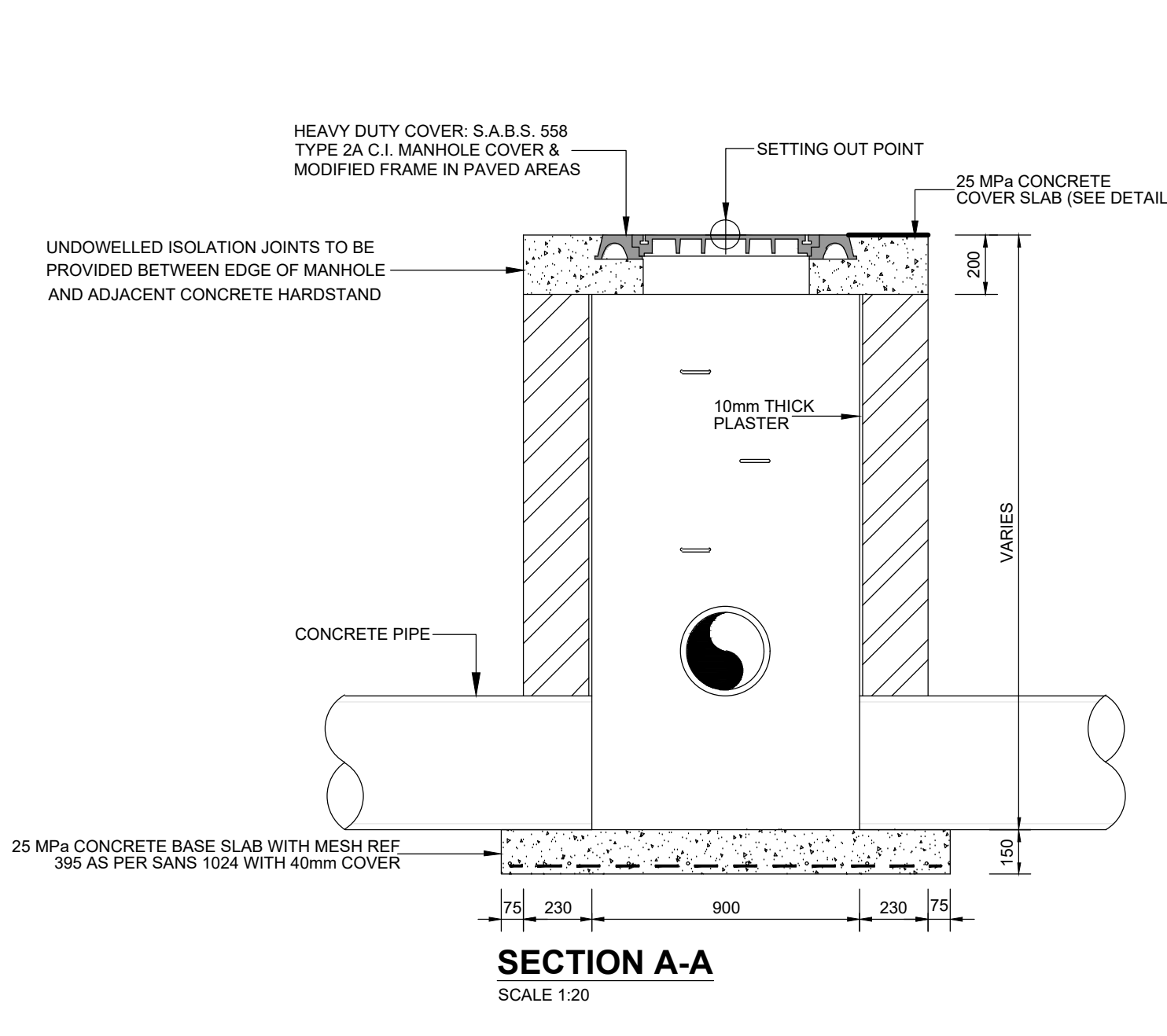
Approved
Name: Approver **Reg No:** Arch5559
Signature: _____ **Date:** _____
Practice: Osmond Lange Architects and Planners

Workstage
FOR INFORMATION

Drawing Number 33722-DATA-DET-2 **Revision** _____
SCALE : N.T.S.



- NOTES:**
1. "CALCIMATE" 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.



CHAMBER SCHEDULE		
DEPTH COVER TO MH INVERT	BRICKWORK THICKNESS	BASE SLAB THICKNESS
m	mm	mm
UP TO 2	230	150
2 TO 5	345	200
5 TO 10	575	300

REINFORCEMENT SCHEDULE		
DEPTH BELOW COVER	REINFORCING STEEL AT EACH COURSE	
m	No.	mm[
UP TO 2	2	Y6
2 TO 5	2	Y6
5 TO 8	2	Y8

