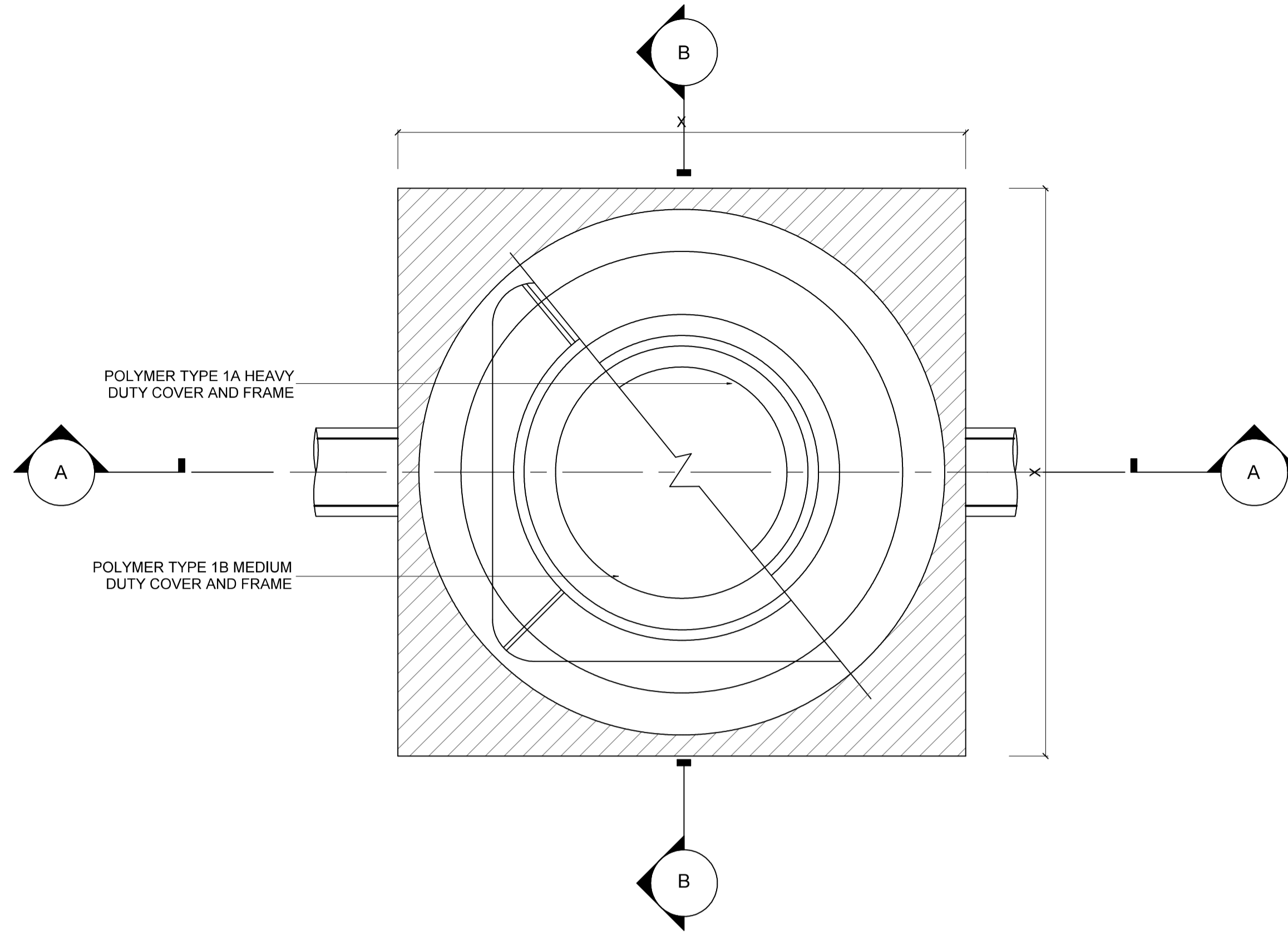


MANHOLE COVERS AND FRAMES	
TYPE	WHERE REQUIRED
POLYMER TYPE 1A HEAVY DUTY SANS 1882/2003	IN ROADWAYS AND PARKING AREAS
POLYMER TYPE 1B MEDIUM DUTY SANS 1882/2003	IN ROAD RESERVES OTHER THAN ABOVE IN SERVITUDES OUTSIDE ROAD RESERVES

PRECAST CONCRETE CHAMBER	
ND MANHOLE RINGS	BASE DIMENSIONS (X)
1000mm	1280mm
1250mm	1550mm
1500mm	1840mm



**TYPICAL 1000mmØ / 1250mmØ / 1500mmØ SEWER MANHOLE**

SCALE 1:10

**SEWER NOTES:**

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SABS 1200 SERIES AND THE PROJECT SERIES SPECIFICATIONS.
- THE CONTRACTOR IS TO CONFIRM ALL LEVELS AND SETTING OUT INFORMATION PRIOR TO CONSTRUCTION.
- EXISTING SERVICES TO BE PROVED PRIOR TO CONSTRUCTION.
- SURVEY AND DESIGN INFORMATION IS BASED ON THE WGS 84 CO-ORDINATE SYSTEM.
- ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION BEING DONE. REFER ANY DISCREPANCIES TO THE SITE ENGINEER.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. WP2319-MNA-FT-SA-403
- FOR GRADES LESS THAN 1:10 - ANCHOR BLOCKS TO BE USED (REFER TO STANDARD DETAILS)
- ALL MANHOLES ALONG ROADS AND OUTSIDE PROPERTIES TO HAVE HEAVY DUTY COVERS
- ALL PIPES TO BE 250mmØ uPVC CLASS 34 HD UNLESS OTHERWISE SPECIFIED.
- ALL PIPES TO BE LAID ON FLEXIBLE PIPE BEDDING UNLESS OTHERWISE SPECIFIED.
- ALL BACKFILL TO BE COMPACTED TO 93% Mod AASHTO UNLESS OTHERWISE SPECIFIED.

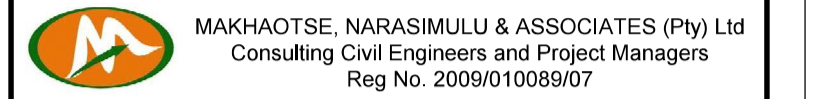
**HEALTH AND SAFETY**

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, (LATEST REVISION) AND THE CONSTRUCTION REGULATIONS.
- THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, LATEST REVISION.
- ALL TEMPORARY WORKS TO BE DESIGNED, DETAILED, SUPERVISED AND CERTIFIED BY A COMPETENT PERSON OR PROFESSIONAL ENGINEER AS DEFINED IN THE OHS ACT.
- THE WORKS WILL BE INSPECTED FROM TIME TO TIME BY THE CONSULTING ENGINEER TO ASCERTAIN THAT THE CONTRACTOR IS CARRYING OUT THE WORK IN GENERAL CONFORMITY WITH THE ENGINEERING DRAWINGS AND DOCUMENTS.

SUCH INSPECTIONS ARE NOT CARRIED OUT FOR THE BENEFIT OF THE CONTRACTOR, AND DO NOT RELIEVE HIM OF THE RESPONSIBILITY FOR THE PROPER CONSTRUCTION OF THE WORKS IN ACCORDANCE WITH THE ENGINEERING DRAWINGS, DOCUMENTS & GOOD BUILDING PRACTICE.

**NOTES:**

- USE 1000mm Ø MANHOLE FOR 160mm Ø PIPES
- USE 1250mm Ø MANHOLE FOR 200mm Ø / 250mm Ø PIPES
- USE 1500mm Ø MANHOLE FOR 315mm Ø PIPES.
- BENCHING TYPE "B" SHALL BE USED WHERE APPROACH GRADE IS 1 : 15 OR STEEPER ASSOCIATED WITH A CHANGE IN DIRECTION IN THE MANHOLE OF 30 DEGREES OR MORE.
- FLEXIBLE JOINTS SHALL BE PROVIDED IN THE INLET AND OUTLET PIPELINES WITHIN A DISTANCE OF 1000mm FROM THE CONNECTIONS OF THE MANHOLES.



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Fax (033) 346 2328

**TENDER DRAWING**

DATE : \_\_\_\_\_

SIGNED BY : \_\_\_\_\_  
CONSULTING ENGINEER

REV	DATE	DESCRIPTION	BY	CHK
A	31-03-21	TENDER DRAWING	AG	SD

DRG. NO.	REFERENCE DRAWINGS

CLIENT LOGO

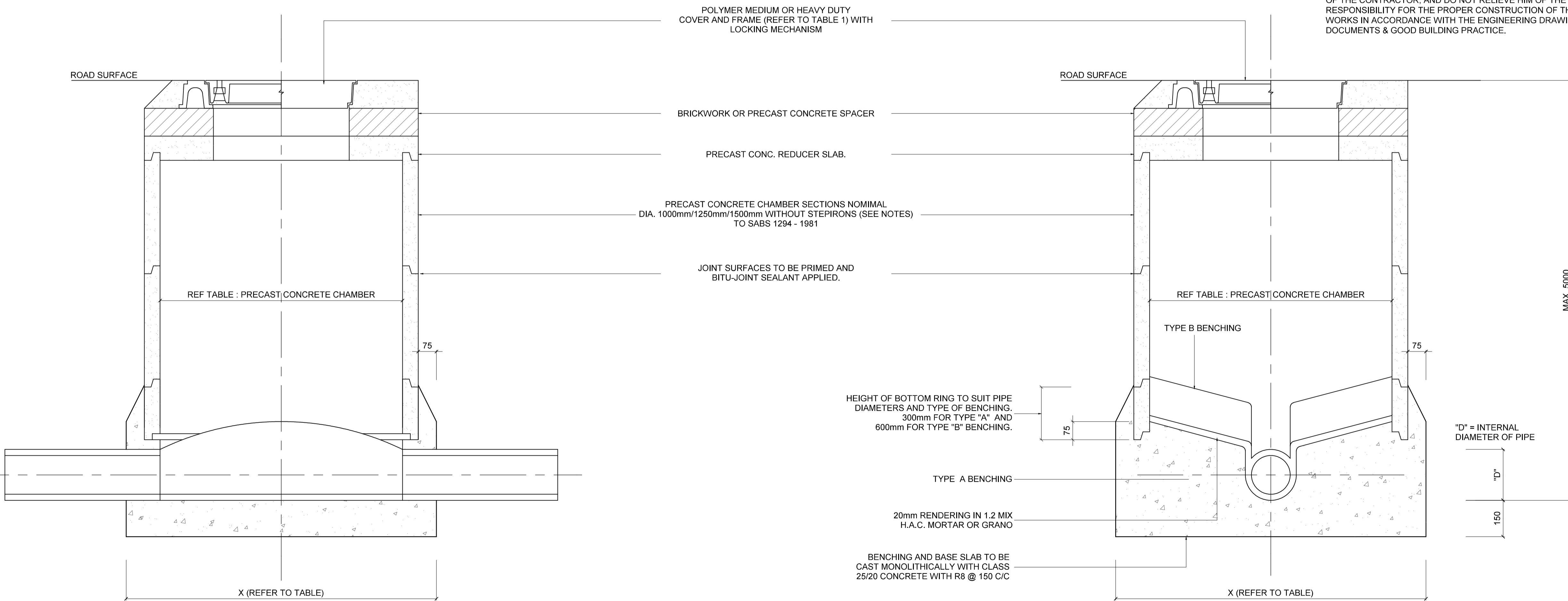


CLIENT NAME **HOUSING DEVELOPMENT AGENCY**

PROJECT TITLE  
**INSTALLATION OF INTERNAL WATER AND SEWER NETWORK FOR UNIT 3 AND 7 MELODING, VIRGINIA**

DRAWING TITLE  
**STANDARD DETAIL FOR SEWER MANHOLE**

	RESPONSIBLE PERSON	DATE
DESIGNED	A. GANASS	25-02-2021
CHECKED	S. DELOMONEY	25-02-2021
DRAWN	A. GANASS	25-02-2021
CHECKED	S. DELOMONEY	25-02-2021
SCALES	AS NOTED	SHEET SIZE A1
DRAWING NO.	<b>WP2319-MNA-FT-SA-402</b>	REVISION A



**SECTION A-A**  
SCALE 1:10

**SECTION B-B**  
SCALE 1:10