

**REINFORCEMENT DETAILS**

SCALE 1 : 50

- NOTES**
- FOR DETAILS OF SITE LAYOUT OF THE BREAK PRESSURE TANKS, REFER TO DRG. Nos. M407/CG/BPT-3/01
  - FOR DETAILS OF ALL PIPE CONNECTIONS AND FITTINGS, REFER DRG. No.M407/CG/BPT-3/03
  - SAFE GROUND BEARING PRESSURE HAS BEEN ASSUMED AT 80KN/m<sup>2</sup> (3/4 TON/S.FT) AT A DEPTH OF 0.75m BELOW EXISTING GROUND LEVEL. IF REQUISITE BEARING STRATA IS NOT OBTAINED AT THIS LEVEL, THE WEAKER MATERIAL IS TO BE EXCAVATED DOWN TO APPROVED BOTTOM AND THE LEVEL MADE UP IN CLASS 10 MASS CONCRETE.
  - CONCRETE MIXES, BLINDING CONCRETE TO UNDERSIDE OF TANK TO BE MINIMUM 50mm THICK IN CLASS 15/20 NOMINAL MIX  
FLOOR, COLUMNS, ROOF SLAB AND BEAMS, CONCRETE TO BE NOMINAL CLASS 25/20
  - NO BACK FILLING IS TO BE ALLOWED OUTSIDE THE MASS CONCRETE LAID TO PIPES RUNNING BELOW THE TANK FLOOR. THE TRENCHES IN WHICH THESE PIPES ARE LAID MUST BE FILLED BACK WITH MASS CONCRETE CLASS 15/20
  - ROOF SLAB TO BE CAST SLOPING OUTSIDE
  - ALL DIMENSIONS IN mm UNLESS SPECIFIED.
  - ONLY FIGURED DIMENSIONS TO BE TAKEN FROM THIS DRAWING
  - WALL SHALL EITHER BE DRESSED STONES OR PRECAST CONCRETE BLOCKS. EACH BLOCK SHALL BE 225 WIDE x 150 DEEP. ALL BLOCKS TO BE SOAKED IN WATER FOR 24 HOURS BEFORE BUILT INTO WALL. JOINTS SHALL BE IN 1:3 CEMENT / SAND MORTAR NOT LESS THAN 20mm THICK. IF WALL IS CONSTRUCTED WITH CONCRETE BLOCKS THEN THE OUTSIDE OF THE WALL SHALL ALSO BE PLASTERED.
  - REINFORCEMENT: 'M' DENOTES MILD STEEL ROUND BARS & 'T' DENOTES HIGH TENSILE STEEL BARS TO B.S. 4449.

- ABBREVIATIONS**
- T.W.L - TOP WATER LEVEL
  - G.L - GROUND LEVEL
  - R.C - REINFORCED CONCRETE
  - FE. - FERROUS

REVISIONS	SIGN	DATE	APPROVED
BY			
CHECKED			
BY			
CHECKED			
BY			
CHECKED			
BY			
CHECKED			

EMPLOYER: **THE CHIEF EXECUTIVE OFFICER  
TANA WATER WORKS  
DEVELOPMENT AGENCY**  
P.O BOX 1292 - 10100,  
NYERI, KENYA

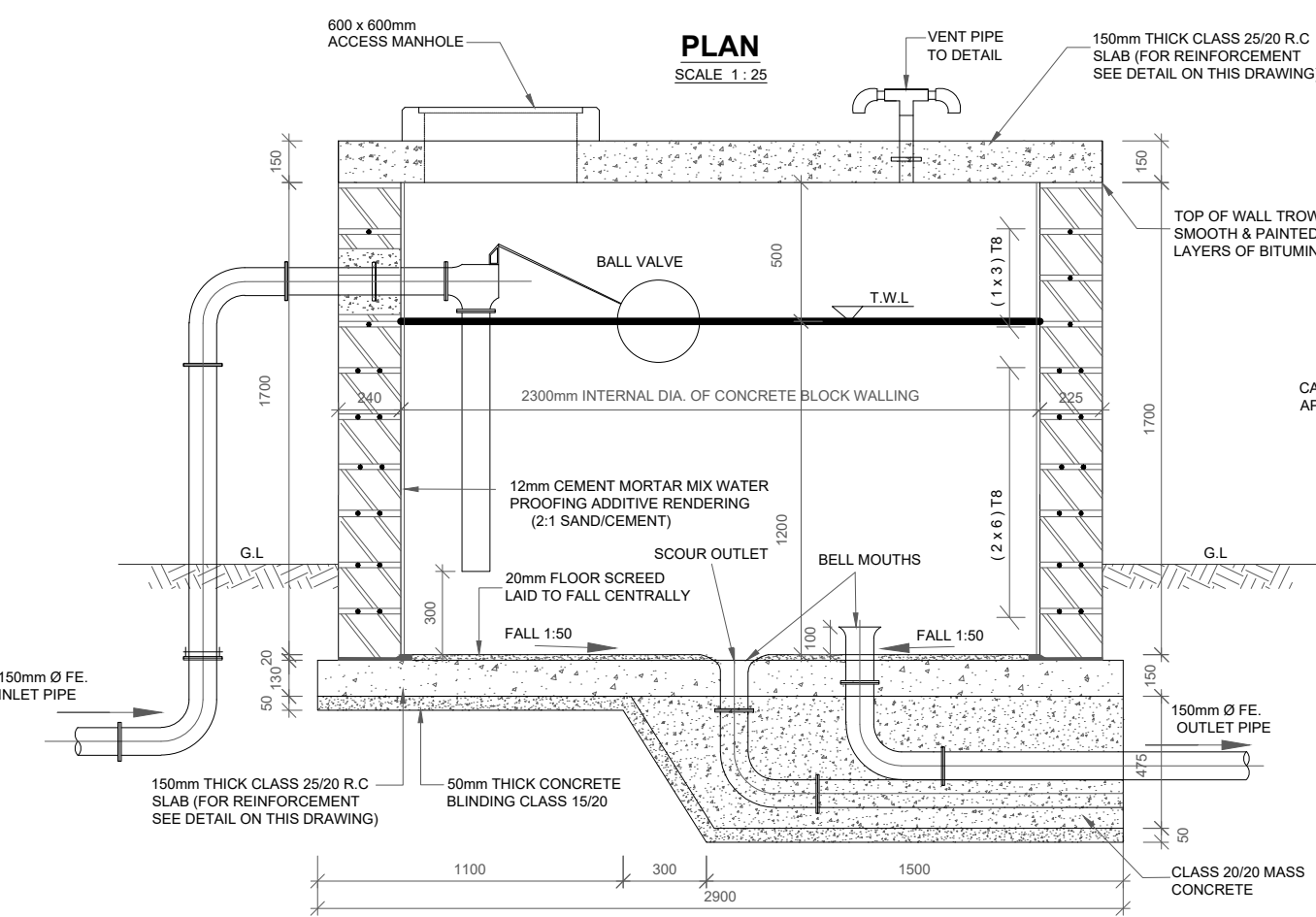
ENGINEER: **CHIEF MANAGER, TECHNICAL  
SERVICES  
TANA WATER WORKS  
DEVELOPMENT AGENCY**  
P.O BOX 1292 - 10100,  
NYERI, KENYA

PROJECT TITLE:  
**REHABILITATION AND EXTENSION OF  
GURAGA WATER PROJECT**

DRAWING TITLE:  
**BREAK PRESSURE TANK  
(CAPACITY 5m<sup>3</sup>)  
PLAN, SECTION & R.C. DETAILS**

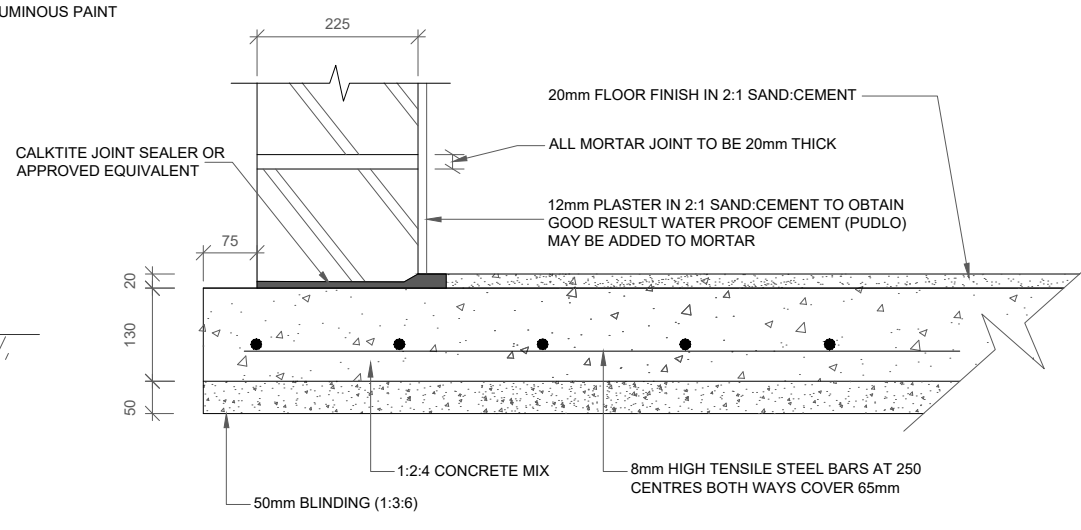
Designed by: K.N.G	Drawn by: A.M.M
Checked by: J.M.M	Approved by: D.N.M
Scale: 1:25	Date: JUNE 2023

DRG No. **GUR/BPT/01**



**SECTION A-A**

SCALE 1 : 25



**ENLARGED DETAIL AT FOOT OF WALL**

SCALE 1 : 10