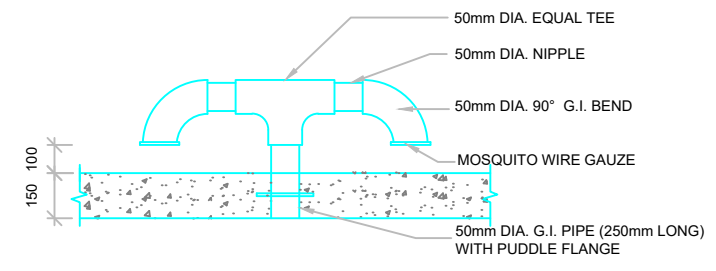
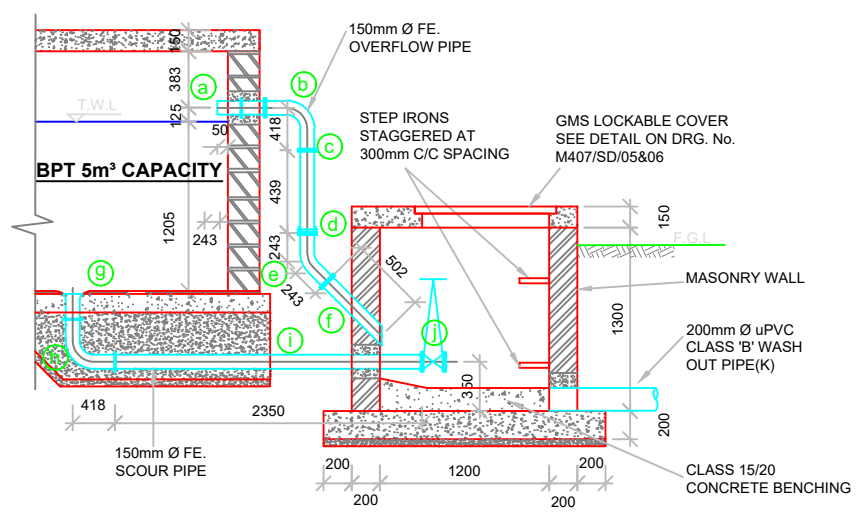


**SECTION A-A**  
**INLET & OUTLET PIPEWORK DETAILS**  
SCALE 1:50



**VENT PIPE DETAIL**  
N.T.S



**OVERFLOW & WASHOUT CHAMBER**  
**SECTION B-B**  
**OVERFLOW & WASHOUT PIPEWORK DETAILS**  
SCALE 1:50

- BPT No. 1**  
**OVERFLOW AND SCOUR PIPEWORK DETAILS**  
**APPROVED LINED FERROUS PIPES AND FITTINGS**
- OVERFLOW PIPE WORK**
- (a) 150 mm DIA. FLANGED SPIGOT PIPE 425mm LONG WITH A PUDDLE FLANGE AT 162.5mm FROM THE SPIGOT END.....1 Nr.
  - (b) 150 mm DIA. ALL FLANGED 90° BEND .....1 Nr.
  - (c) 150 mm DIA. FLANGED SPIGOT PIPE 439mm LONG (CUT TO SUIT ON SITE).....1 Nr.
  - (d) 150 mm DIA. FLANGE ADAPTOR .....1 Nr.
  - (e) 150 mm DIA. ALL FLANGED 45° BEND .....1 Nr.
  - (f) 150 mm DIA. FLANGED SPIGOT PIPE 502mm LONG WITH A SPIGOT END BEVELLED (CUT TO SUIT ON SITE).....1 Nr.
- WASHOUT/SCOUR PIPE WORK**
- (g) 150 mm DIA. FLANGED BELLMOUTH .....1 Nr.
  - (h) 150 mm DIA. ALL FLANGED 90° BEND .....1 Nr.
  - (i) 150 mm DIA. DOUBLE FLANGED PIPE 2350mm LONG .....1 Nr.
  - (j) 150 mm DIA. ALL FLANGED GATE VALVE TO EURO 20 SERIES,TYPE 23 OR APPROVED EQUIVALENT.....1 Nr.
  - (k) 200mm DIA. uPVC CLASS 'B' PIPE 10000mm LONG. ....1 Nr.

- BPT No. 1**  
**INLET PIPEWORK DETAILS**  
**APPROVED LINED FERROUS PIPES AND FITTINGS**
- (1) 355mm DIA. COUPLING .....1 Nr.
  - (2) 355 mm DIA. FLANGED SPIGOT PIPE 1200mm LONG .....1 Nr.
  - (3) 355 x 355mm DIA. ALL FLANGED RADIAL TEE .....1 Nr.
  - (4) 355 mm DIA. BLANK FLANGE .....1 Nr.
  - (5) 355 mm Plain Ended Pipe.....1 Nr.
  - (6) 355 mm DIA. FLANGED SPIGOT PIPE 1200mm LONG .....4 Nr.
  - (7) 355 mm DIA. COUPLING .....2 Nr.
  - (8) 355 mm DIA. PLAIN ENDED PIPE 8m LONG(CUT TO SUIT ON SITE)...1 Nr.
  - (9) 355 mm DIA. ALL FLANGED 90° BEND .....3 Nr.
  - (10) 355 mm DIA. FLANGE ADAPTOR .....3 Nr.
  - (11) 355 mm DIA. ALL FLANGED GATE VALVE .....1 Nr.
  - (12) 355 mm DIA. FLANGED SPIGOT PIPE 814mm LONG (CUT TO SUIT ON SITE).....1 Nr.
  - (13) 355 mm DIA. DOUBLE FLANGED PIPE 575mm LONG WITH A PUDDLE FLANGE AT 262mm FROM ONE END.....1 Nr.
  - (14) 355 mm DIA. ALL FLANGED FLOAT VALVE TO SERIES 1042 BIWATER CATALOGUE OR APPROVED EQUIVALENT.....1 Nr.
  - (15) 355 mm DIA. FLANGED SPIGOT FERROUS PIPE 739mm LONG.....1 Nr.

- BPT No. 1**  
**OUTLET PIPEWORK DETAILS**  
**APPROVED LINED FERROUS PIPES AND FITTINGS**
- (A) 355 mm DIA. FLANGED BELLMOUTH .....1 Nr.
  - (B) 355 mm DIA. ALL FLANGED 90° BEND .....2 Nr.
  - (C) 355 mm DIA. FLANGED SPIGOT PIPE 1950mm LONG (CUT TO SUIT ON SITE).....1 Nr.
  - (D) 355 mm DIA. FLANGE ADAPTOR .....2 Nr.
  - (E) 355 mm DIA. ALL FLANGED GATE VALVE .....1 Nr.
  - (F) 355 mm DIA. FLANGED SPIGOT PIPE 1200mm LONG .....3 Nr.
  - (G) 355mm DIA. COUPLING .....2 Nr.
  - (H) 355 mm DIA. PLAIN ENDED PIPE 8m LONG(CUT TO SUIT ON SITE)...1 Nr.
  - (J) 355 mm DIA. BLANK FLANGE .....1 Nr.
  - (K) 355 x 355mm DIA. ALL FLANGED RADIAL TEE .....1 Nr.
  - (L) 355mm DIA. FLANGED SPIGOT PIPE 1200mm LONG .....1 Nr.
  - (M) 355 mm DIA. COUPLING .....1 Nr.

- NOTES**
1. ALL PIPE, FITTINGS AND VALVE DIAMETER ARE NOMINAL DIAMETERS & OF CLASS NP 16
  2. OTHER PIPES AND FITTINGS ARE SHOWN ON THE SITE LAYOUT PLANS ON DRG. NO. M407/CG/BPT-3/01
  3. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  4. ONLY FIGURED DIMENSIONS TO BE TAKEN FROM THIS DRAWING
  5. PIPE AND FITTINGS DIMENSIONS ARE BASED ON STEEL PIPES AND FITTINGS AS MADE BY ASP (K) LTD.
  6. VALVES DIMENSIONS ARE BASED ON EURO 20 SERIES, TYPE 23 (SHORT FACE TO FACE TYPE VALVES) AS MADE BY PONT-A-MOUSSON (SAINT GOBAIN PAM).

- ABBREVIATIONS**
1. T.W.L - TOP WATER LEVEL
  2. F.G.L - FINISHED GROUND LEVEL
  3. G.I - GALVANISED IRON
  4. R.C - REINFORCED CONCRETE
  5. M.S - MILD STEEL
  6. BPT - BREAK PRESSURE TANK
  7. FE. - FERROUS

REVISIONS		SIGN	DATE	APPROVED
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			

CLIENT:

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

CIVIL / STRUCTURAL ENGINEERS:  
**THE CHIEF TECHNICAL MANAGER**  
**TANA WATER WORKS**  
**DEVELOPMENT AGENCY**  
P.O BOX 1292 - 10100,  
NYERI, KENYA

PROJECT TITLE:  
**TETU- AGUTHI WATER SUPPLY PROJECT**

**TETU AGUTHI WATER SUPPLY**  
DRAWING TITLE: **PROJECT**  
**BREAK PRESSURE TANK**  
**ON KONYU GRAVITY MAINLINE**  
**(CAPACITY 5m³)**  
**PIPEWORK DETAILS**

Designed by: K.N.G	Drawn by: R.M.N
Checked by: J.M.M	Approved by: J.M.M
Scale: 1:50	Date: JAN 2024
DRG No. TWWDA / BPT	REV