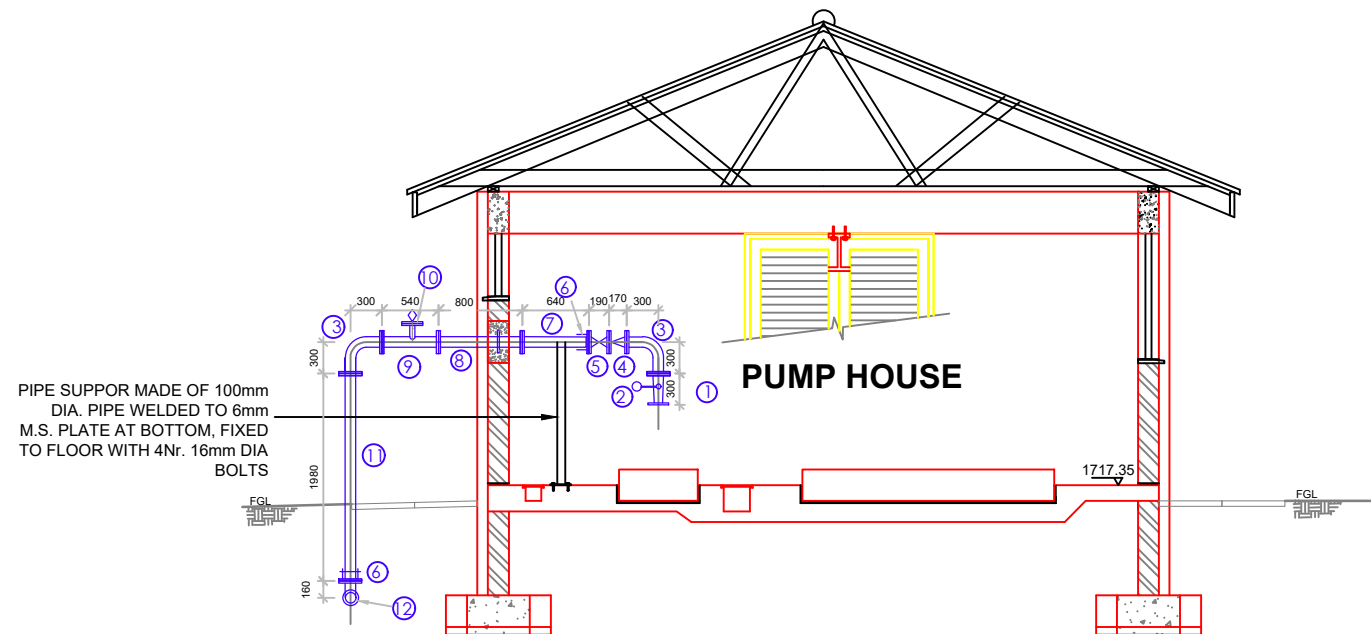


**BACKWASH PUMPS
SUCTION PIPEWORK DETAILS
PLAN**



SECTION 2 - 2

**BACKWASH PUMPS DELIVERY PIPEWORK SCHEDULE:
(APPROVED LINED FERROUS PIPES)**

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QUANTITY (No.)
①	SPECIAL 100 x 65mm DOUBLE FLANGED CONCENTRIC TAPER WITH 25mm DIA MALE THREADED TAPPING FOR PRESSURE GAUGE	100 ϕ	80 ϕ	2
②	25mm DIA PRESSURE GAUGE - (PRESSURE CLASS UPTO 10 BARS) - HUNTER OR APPROVED EQUIVALENT	25	-	2
③	DOUBLE FLANGED 90° BEND	100 ϕ	300	4
④	DOUBLE FLANGED FREE ACTING CHECK VALVE (NON RETURN VALVE)	100	170	2
⑤	DOUBLE FLANGED GATE VALVE	100	190	2
⑥	FLANGE ADAPTOR	100	-	4
⑦	FLANGED SPIGOT PIPE	100	640	2
⑧	DOUBLE FLANGED PIPE WITH PUDDLE FLANGE AT 250mm FROM ONE END	100	800	2
⑨	100X100X50mm ALL FLANGED TEE	100 ϕ	50 ϕ	2
⑩	SINGLE ORIFICE AIR VALVE WITH BUILT -IN- ISOLATING VALVE	50	-	2
⑪	FLANGED SPIGOT PIPE	100	1980	2
⑫	150X100mm ALL FLANGED RADIAL TEE	150 ϕ	100 ϕ	2
⑬	BLANK FLANGE	150	-	1
⑭	DOUBLE FLANGED PIPE	150	2720	1
⑮	FLANGED SPIGOT PIPE	150	1200	1
⑯	COUPLING	150	-	1

NOTES:

- ALL PIPE, FITTINGS AND VALVE DIAMETERS ARE NOMINAL DIAMETERS
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- ONLY FIGURED DIMENSIONS TO BE TAKEN FROM THIS DRAWING
- PIPE AND FITTINGS DETAILING AND SCHEDULES ARE BASED ON STEEL PIPES AND FITTINGS AS MADE BY ASP (K) LTD. DIMENSIONS ARE AS GIVEN IN THE SCHEDULES.
- VALVE DIMENSIONS ARE BASED ON:
 - GATE VALVES - EURO 20 SERIES, TYPE 23 (SHORT FACE TO FACE TYPE VALVES) AS MADE BY SAINT GOBAIN PAM.
 - NON RETURN VALVES - TYPE 402 SERIES AS MADE BY DANFOSS
- THIS DRAWING TO BE READ FOR PIPEWORK DETAILS ONLY. FOR CLARITY, OTHER DETAILS OF THE PUMP HOUSE ARE NOT SHOWN HERE. SEE DRGS. No. M407/CG/TW/KR/PH/01-03 FOR OTHER DETAILS.

ISSUED FOR CONSTRUCTION

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

CLIENT: **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:

TETU - AGUTHI WATER SUPPLY

DRAWING TITLE:

**TETU WATER TREATMENT WORKS
BACKWASH PUMPS AND AIR
BLOWER ROOM
DELIVERY PIPEWORK DETAILS**

Designed by: R.M.N.	Drawn by: R.M.N.
Checked by: J.M.M	Approved by: D.N.M
Scale: 1:50	Date: NOV 2023

DRG No. **TAWP/BAPH/06**