



**BACKWASH PUMPS  
SUCTION PIPEWORK DETAILS  
PLAN**

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

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QTY (No.)
A	SPECIAL 90° BEND WITH ONE END FLANGED, OTHER END BELLMOUTH SHAPED	300#	700	1
B	DOUBLE FLANGED PIPE	300	2000	1
C	DOUBLE FLANGED PIPE WITH PUDDLE FLANGE AT 450mm FROM ONE END	300	1400	1
D	ALL FLANGED TEE	300#	340	1
E	DOUBLE FLANGED PIPE	300	800	2
F	SPECIAL ALL FLANGED LEVEL INVERT TEE	300#	300	2
G	BLANK FLANGE	300	-	2
H	DOUBLE FLANGED PIPE	150	444	2
I	DOUBLE FLANGED PIPE WITH PUDDLE FLANGE AT 400mm FROM ONE END	150	600	2
J	FLANGED SPIGOT PIPE	150	795	2
K	FLANGE ADAPTOR	150	-	2
L	DOUBLE FLANGED GATE VALVE	150	210	2
M	ALL FLANGED SHORT RADIUS 90° SPECIAL BEND	150#	220	2
N	SPECIAL DOUBLE FLANGED ECCENTRIC TAPER- 150x100mm DIA	150#	80#	2
C1	FLANGED SPIGOT PIPE	300	1330	1
C2	FLANGE ADAPTOR	300	-	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  
SUCTION 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: JAN 2024

DRG No. **TAWP/BAPH/04**