

**RAW WATER GRAVITY MAIN  
PIPEWORK SCHEDULE  
(APPROVED LINED FERROUS PIPES)**

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QUANTITY (Nr.)
①	FLANGED SPIGOT 90° BEND			1
②	DOUBLE FLANGED PIPE WITH PUDDLE FLANGE AT 400 FROM FLANGE END	450	800	1
③	ALL FLANGED 90° BEND			2
④	FLANGED SPIGOT PIPE (CUT TO SUIT ON SITE)	450	4500	1
⑤	FLANGE ADAPTOR	450	-	1
⑥	FLANGE SPIGOT PIPE	450	1200	1
⑦	COUPLING	450	-	1

**RECIRCULATION PIPEWORK SCHEDULE  
(APPROVED LINED FERROUS PIPES)**

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QUANTITY (Nr.)
①	FLANGED SPIGOT 90° BEND			1
②	DOUBLE FLANGED PIPE WITH PUDDLE FLANGE AT 400 FROM FLANGE END	150	800	1
③	ALL FLANGED 90° BEND			2
④	FLANGED SPIGOT PIPE (CUT TO SUIT ON SITE)	150	4200	1
⑤	FLANGE ADAPTOR	150	-	1
⑥	FLANGED SPIGOT PIPE	150	1200	1
⑦	COUPLING	150	-	1

**STILLING BASIN SCOUR PIPEWORK  
SCHEDULE  
(APPROVED LINED FERROUS PIPES)**

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QUANTITY (Nr.)
①	FLANGED SPIGOT PIPE WITH PUDDLE FLANGE AT 100m FROM SPIGOT END	150	600	1
②	ALL FLANGED 90° BEND			2
③	FLANGED SPIGOT PIPE (CUT TO SUIT)	150	950	1
④	FLANGE ADAPTOR	150	-	2
⑤	FLANGED SPIGOT PIPE (CUT TO SUIT)	150	6745	1
⑥	ALL FLANGED GATE VALVE WITH EXTENSION SPINDLE, 1.2m LONG (SHORT FACE)	150	210	1
⑦	SPECIAL FLANGED SPIGOT 90° BEND WITH PLAIN END BEVELED			1

**NOTES**

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
- ALL LEVELS ARE IN METRES UNLESS OTHERWISE STATED
- ALL REINFORCED CONCRETE SHALL BE CLASS 25/20. BLINDING CONCRETE SHALL BE CLASS 15/20 UNLESS OTHERWISE STATED
- ALL EXPOSED CONCRETE EDGES SHALL HAVE A 20x20mm CHAMFER

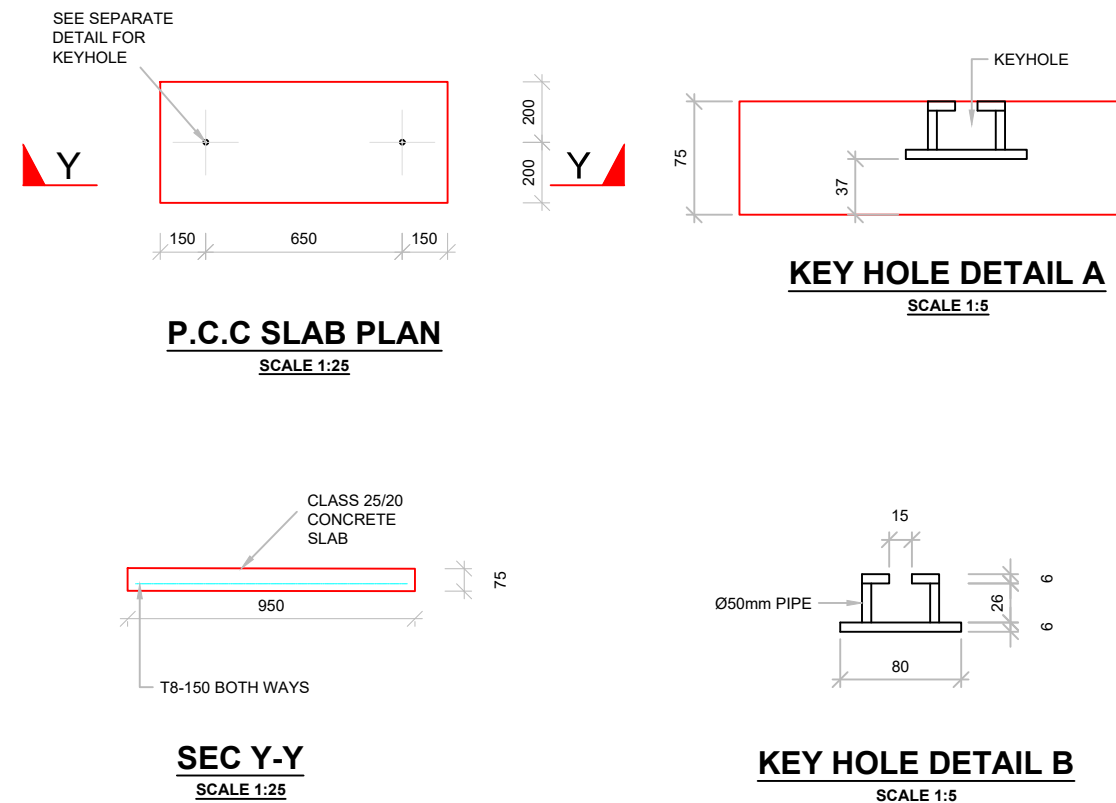
**LEGEND**

- DN - NOMINAL DIAMETER
- PCC - PRECAST CONCRETE
- RC - REINFORCED CONCRETE
- GMS - GALVANISED MILD STEEL
- EGL - EXISTING GROUND LEVEL
- FL - FINISHED GROUND LEVEL

**FLOCCULATION BASIN SCOUR PIPEWORK  
SCHEDULE  
(APPROVED LINED FERROUS PIPES)**

ITEM No.	DESCRIPTION	DIA. (mm)	LENGTH (mm)	QUANTITY (Nr.)
①	FLANGED SPIGOT PIPE WITH PUDDLE FLANGE AT 150m FROM SPIGOT END	150	600	2
②	ALL FLANGED 90° BEND			4
③	FLANGED SPIGOT PIPE (CUT TO SUIT)	150	1410	2
④	FLANGE ADAPTOR	150	-	4
⑤	FLANGED SPIGOT PIPE (CUT TO SUIT)	150	1750	1
⑥	ALL FLANGED GATE VALVE WITH EXTENSION SPINDLE, 1.2m LONG (SHORT FACE)	150	210	2
⑦	SPECIAL FLANGED SPIGOT 90° BEND			2
⑧	FLANGED SPIGOT PIPE (CUT TO SUIT)	150	790	1

**DETAILS OF P.C.C. COVER SLAB  
OVER DOSED WATER CHANNEL  
(950mm LONG)**



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 WATER SUPPLY PROJECT**

DRAWING TITLE:  
**TETU WATER TREATMENT WORKS  
STILLING WELL, CHEMICAL DOSING  
CHANNEL AND FLOCCULATION BASINS  
SECTIONS**

Designed by: A.M.M	Drawn by: A.M.M
Checked by: J.M.M	Approved by: D.N.M
SCALE: 1:500	
Date: OCT 2023	
DRG No. <b>TAWP/FLOC/05</b>	