PIPE WORK SCHEDULE

ITEM	DESCRIPTION	DIAMETER	LENGTH (No.)	QUANTITY (No.)
I	INLET AND OUTLET PIPEWORK			
1	HDPE/GI ADAPTOR	250		1
2	SINGLE FLANGED PIPE	250	1000	2
3	ALL FLANGED GATE VALVE	250		1
4	FLANGED ADAPTER	250		4
4a	FLANGED ADAPTER	350		4
5	90° FLANGED BEND	250		2
8	FLANGED BEAT EQUILIBRIUM FLOAT VALVE	250		1
9	SINGLE FLANGED BELL MOUTH	350		1
9a	SINGLE FLANGED BELL MOUTH	100		1
10	DOUBLE FLANGED SHORT RADIUS BEND	350		1
10a	DOUBLE FLANGED SHORT RADIUS BEND	100		1
11	BLIND FLANGE	350		1
11a	SINGLE FLANGED PIPE WITH PADDLE FLANGE 500mm FROM ONE END	350	2100	1
11b	SINGLE FLANGED PIPE WITH PADDLE FLANGE 500mm FROM ONE END	100	2100	1
12	ALL FLANGED TEE	350/ 225		1
12a	ALL FLANGED PIPE	100		1
II	OVERFLOW AND WASHOUT FITTINGS			
13	SINGLE FLANGED PIPE WITH PADDLE FLANGE	150		2
14	90° DOUBLE FLANGED BEND	150		1
15	FLANGED ADAPTOR	150		1
17	45° DOUBLE FLANGED BEND	150		1
18	SINGLE FLANGED PIPE WITH BEVELLED END	150		1
20	ALL FLANGED GATE VALVE	150		1
21	90° DOUBLE FLANGED PIPE	150		1
22	FLANGED ADAPTOR	150		1
23	uPVC PIPE	150	6000	1
24	DOUBLE FLANGED TAPER	350/ 225		1
25	DOUBLE FLANGED GATE VALVE	225		1
25a	DOUBLE FLANGED GATE VALVE	100		1
26	SINGLE FLANGED STEEL PIPE	225	1000	1
26a	SINGLE FLANGED STEEL PIPE	100	1000	1
27	HDPE/GI ADAPTOR	225		1
27a	HDPE/GI ADAPTOR	150		1

NOTES

1. HARD-CORE LAYER THICKNESS SHALL BE DETERMINED BY THE ENGINEER, BUT NOT LESS THAN 200mm
2. MASONRY WALL SHALL NOT BE CONNECTED TO EITHER THE FLOOR SLAB NOR THE ROOF SLAB.THE WALL SUPPORTING AREA OF THE FLOOR SLAB AS WELL AS THE TOP OF THE WALL SHALL BE TROWEL FINISHED AND BE PAINTED WITH THREE COATS OF BITUMINOUS PAINT.
3. THE MASONRY WALL SHALL BE BUILT OF GOOD QUALITY LOCAL BUILDING STONES OR CONCRETE BLOCKS. THE SIZE OF THE STONES SHALL BE:
   WIDTH: NOT LESS THAN 225mm
   LENGTH: BETWEEN 200mm AND 300mm
   HEIGHT: NOT MORE THAN 150mm
4. CONCRETE: CONCRETE CLASS 20/20 (MIXTURE 1:2:4) FOR FLOOR SLAB, ROOF SLAB AS WELL AS CONCRETE BLOCKS. CONCRETE CLASS Q (MIXTURE 1:3:6) FOR BLINDING.
5. REINFORCEMENT: MILD STEEL BARS TO BS 4449. MINIMUM CONCRETE COVER TO THE REINFORCEMENT = 40mm
6. CONSTRUCTION JOINTS ARE NOT PERMITTED, THE SLABS MUST BE CASED IN ONE LAYING.
7. FORM WORK FOR THE ROOF SLAB MUST HAVE A CHAMBER OF 15mm AT THE CENTER.
8. EXTERIOR SURFACE OF THE TANK SHALL RECEIVE ONE COAT OF CEMENT WASH.
9. INTERIOR SURFACE OF THE TANK SHALL BE PLASTERED, THICKNESS 15mm, WITH MORTAR MIXTURE 2:1 (SAND:CEMENT) TO OBTAIN A WATER PROOF PLASTERING; PUDLO CEMENT SHOULD BE ADDED.

FOR CONSTRUCTION
signed CMTS

REV	REVISIONS		SIGN	DATE	APPROVED
		BY			
		CHECKED			
		BY			
		CHECKED			
		BY			
		CHECKED			
C0	ISSUED FOR CONSTRUCTION	BY			
		CHECKED			

CLIENT

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR KAHARO WATER PROJECT – OTHAYA

Civil/Structural Engineers

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

KAHARO WATER PROJECT
STORAGE TANK 150M3
SECTIONS

Designed by DWN	Drawn by EWN
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date SEPT 2022
Job No. 1	ACAD File:
PD STATUS	DRAWING No. TWWDA/KWP/ST-05 CO REV