



80mm O/FLOW DETAIL

SCALE 1:30

GENERAL NOTES

1. THE 10mm THICK 2:1 SAND:CEMENT PLASTER TO BE FLOATED TO A SMOOTH FINISH WITH A STRAIGHT EDGE UNTIL A DENSB SURFACE RICH IN CEMENT IS OBTAINED. GROOVE FOR BOND JOINT TO BE FORMED AT THE SAME TIME
2. THE TANK WALL MUST NOT BE BONDED TO THE FLOOR SLAB. TO ENSURE THIS, BEFORE COMMENCING TO BUILD THE TANK WALL THE SURFACE TO THE FLOOR SLAB IS TO BE WALL COATED WITH BITUMEN(UNDER WALL ONLY)
3. ALL BALLAST FOR CONCRETE TO BE BROKEN FROM SOUND ROCK TO A MINIMUM SIZE OF 20mm. IT MUST PASS THROUGH A 22mm MESH SCREEN AND SHOULD BE EVENLY GRADDED TO 6mm SIZE SO THAT APPROX. 50% IS RETAINED ON A 13mm MESH AND NOT LESS THAN 15% PASSES A 10mm MESH.
4. ALL SAND USED MUST BE CLEAN, SHARP AND FREE FROM ALL BARTH, CLAY, VEGETATION AND OTHER DILUTANT MATERIALS.
5. WALL STONE IS TO BE SOAKED FOR 24HRS IN WATER BEFORE LAYING.
6. PARTICULAR CARE SHOULD BE TAKEN TO ENSURE THAT ALL JOINTS BETWEEN STONES IN THE WALL ARE FILLED WITH MORTAR. ALL JOINTS ESTIMATED AS 25mm.
7. 30mm MIN COVER TO ALL REINFORCEMENT TO BE PROVIDED.

COMPONENT	No.	BAR MARK	No.	BAR DIA.	UNBENT LENGTH	BONDING	REMARKS
FLOOR SLAB	1	a1	4		2250	STRAIGHT	
		a2	4		3750		
		a3	4		4725		
		a4	4		5475		
		a5	4		6150		
		a6	4		6750		
		a7	4	10	7125		
		a8	4		7500		
		a9	4		7875		
		a10	4		8175		
		a11	4		8475		
		a12	4		8750		
		a13	4		8900		
		a14	4		9075		
		a15	4		9225		
		a16	4		9300		
		a17	4		9400		
		a18	4		9500		
		a19	4		9525		
WALL	b		15	10	3100	BENT TO INT. RADIUS OF 4690 2 LENGTHS 1150 1 LENGTH 8200 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF BAR 29200)	CIRCUMFERENTIAL BARS
	c		14	10	30550	BENT TO INT. RADIUS OF 4775 2 LENGTHS 10500 1 LENGTH 7750 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF BAR 28750)	
	d		9	10	29976	BENT TO INT. RADIUS OF 4500 2 LENGTHS 1 LENGTH 7175 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF BAR 28175)	
	e		4	10	30675	BENT TO INT. RADIUS OF 4425 2 LENGTHS 11500 1 LENGTH 6675 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF 1 BAR 27675)	
	f		2	10	30275	BENT TO INT. RADIUS OF 4610 2 LENGTHS 11500 1 LENGTH 7875 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF 1 BAR 28875)	
	g		2	10	29800	BENT TO INT. RADIUS OF 4537 2 LENGTHS 11500 1 LENGTH 7475 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF 1 BAR 28475)	
	h		2	10	30250	BENT TO INT. RADIUS OF 4460 2 LENGTHS 11500 1 LENGTH 7000 WITH 3 LAPS OF 600 BACH (NBT LENGTH OF 1 BAR 28300)	
	i		3	8	30250	BENT TO INT. RADIUS OF 4665 2 LENGTHS 11500 1 LENGTH 8200 WITH 3 LAPS OF 450 BACH (NBT LENGTH OF 1 BAR 29200)	
	j		3	8	30250	BENT TO INT. RADIUS OF 4575 2 LENGTHS 11500 1 LENGTH 7750 WITH 3 LAPS OF 450 BACH (NBT LENGTH OF 1 BAR 28750)	
	x		3	8	30400	BENT TO INT. RADIUS OF 4665 2 LENGTHS 11500 1 LENGTH 6400 WITH 3 LAPS OF 400 BACH (NBT LENGTH OF 1 BAR 29200)	
	l		3	8	29950	BENT TO INT. RADIUS OF 4575 2 LENGTHS 11500 1 LENGTH 7750 WITH 3 LAPS OF 400 BACH (NBT LENGTH OF 1 BAR 28750)	

NOTES

1. Read this drawing in conjunction with relevant Plans and section drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in Millimeters unless specified otherwise.
3. All levels are indicated in mm unless specified otherwise.
4. All structural concrete to be Class 25 (1:1.5:3) unless stated otherwise.
5. Only figured dimensions to be read, no scaling is allowed on this drawing.
6. Nominal aggregate size to be 20mm.

REV	REVISIONS	SIGN	DATE APPROVED
D		BY	
		CHECKED	
C		BY	
		CHECKED	
B		BY	
		CHECKED	
A		BY	
		CHECKED	

PROJECT

CONSTRUCTION OF MERTI - KORBESA WATER SUPPLY

Client: Northern Water Services Board (NWSB)
P.o Box 495-70100
Garissa - Kenya

Funding Agency: GOVERNMENT OF KENYA
Ministry of Water and Irrigation
P.o Box
Nairobi - Kenya

Project:

STANDARD DRAWINGS
225M3 MASONRY STORAGE TANK

Consultant

Northern Water Services Board (NWSB)
P.o Box 495-70100
Garissa - Kenya

Drawing Title:

225M3 MASONRY STORAGE TANK DETAILS

Surveyed by G.N. Drawn by J.M.
Checked by G.N. Approved by: Eng. Nderi
Scale: 1:2000 Date: June 2020
Job No. Sheet 3 of 6

DRAWING No. NWSB/EAWS/AW/003