

***Water Conservation-Special Notes**
All the plumbing fixtures shall comply with applicable water conservation measures as stipulated under section 7.0 of Regulations of Internal Water Installations & Connection Work-May 2009

MSB-1						
A.C.	W.H.	C.C.U	M/C	G.L.	T.L.	
00.00	00.00	00.00	180.00	00.00	180.00	

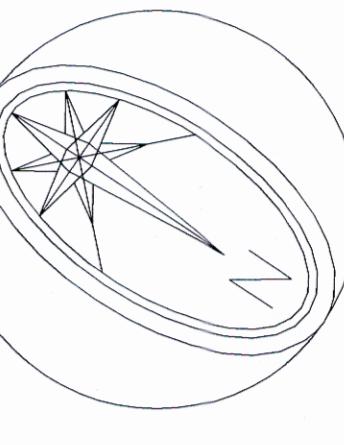
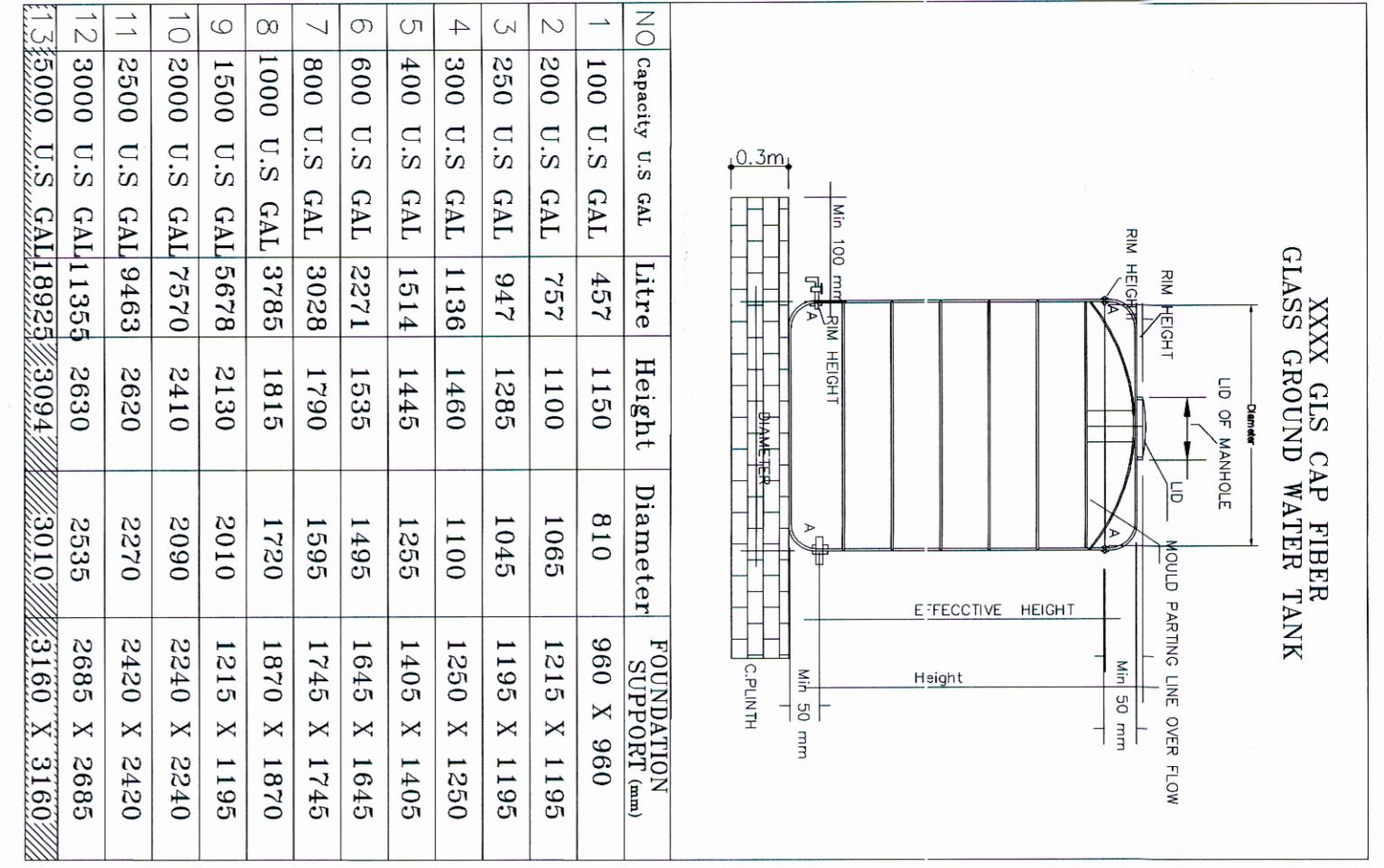
MSB-2						
A.C.	W.H.	C.C.U	M/C	G.L.	T.L.	
79.00	14.00	0.00	00.00	142.90	235.90	

Total connected load = 180.00 kW

Maximum demand load = 168.940kW

Total connected load = 235.90 kW

Maximum demand load = 168.940kW



NORTH DIRECTION

Q.D. Capacity U.S. gal.	Height	Diameter	FOUNDATION SPACING mm
1 100 U.S. gal.	1150	810	900 X 900
2 100 U.S. gal.	1150	1065	1215 X 1195
3 200 U.S. gal.	947	1045	1195 X 1195
4 300 U.S. gal.	1166	1160	1250 X 1250
5 400 U.S. gal.	1514	1255	1405 X 1405
6 600 U.S. gal.	2271	1385	1485 X 1645
7 800 U.S. gal.	3028	1790	1745 X 1745
8 1000 U.S. gal.	3765	1815	1720 X 1870
9 1500 U.S. gal.	4678	1100	1215 X 1195
10 2000 U.S. gal.	5750	2410	2240 X 2240
11 3000 U.S. gal.	6433	2420	2420 X 2420
12 3000 U.S. gal.	13554	2630	2335 X 2605
13 5000 U.S. gal.	10923	3091	3160 X 3160

Notes for Maintaining Services pipe extension, provision of Storage Facilities, and Plumbing Work within Consumer Premises

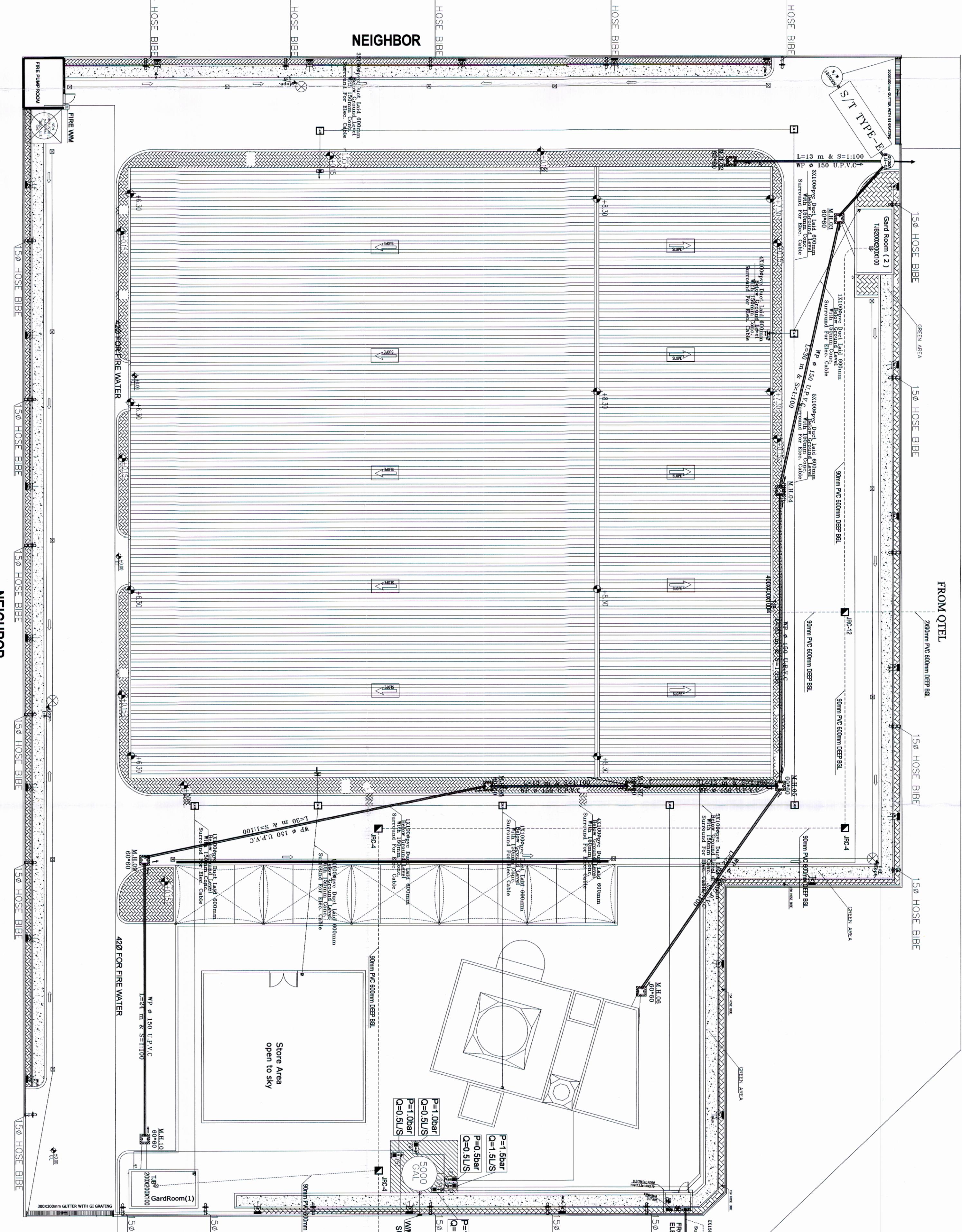
- All works pertaining public water supply within consumer premises must be carried out in line with KAHRAMA's plumbing by-laws.
- KAHRAMA approved materials shall be used for maintaining services, pipe extension, storage tanks, plumbing and associated fittings.
- Ground and roof tanks shall be suitable volume to provide adequate supply against level of consumption.
- All plumbing works shall be handled by KAHRAMA approved plumber or plumbing contractor.
- The distribution networks for large complex comprising of several validated units, shall be laid in accordance to KAHRAMA specification for maintaining materials and maintaining contractors January 1993 or update.
- All water meter shall be securely accommodated inside meter cabinet.

6.

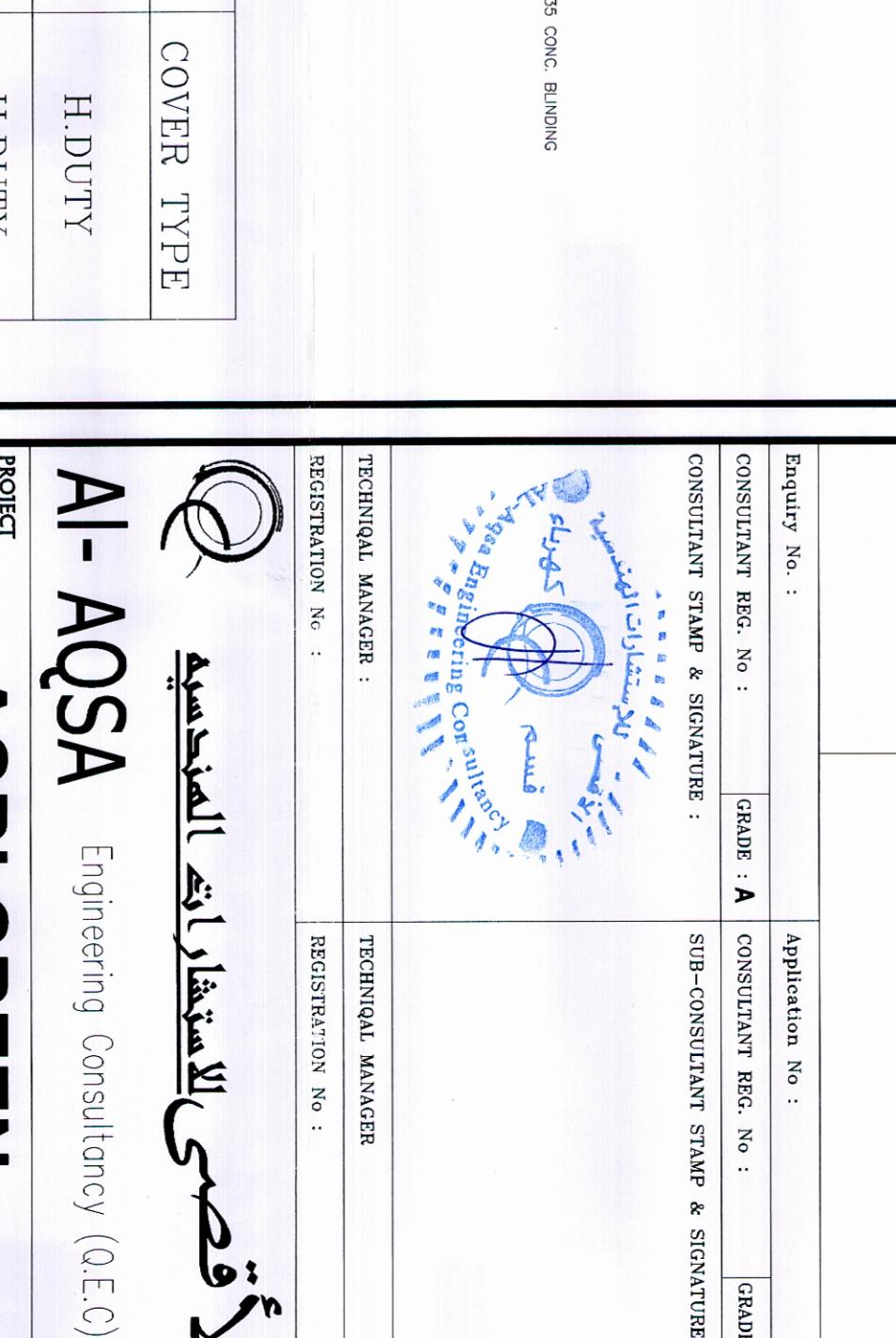
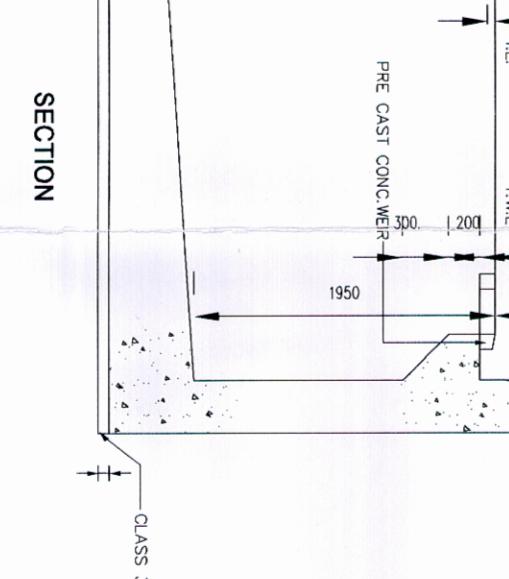
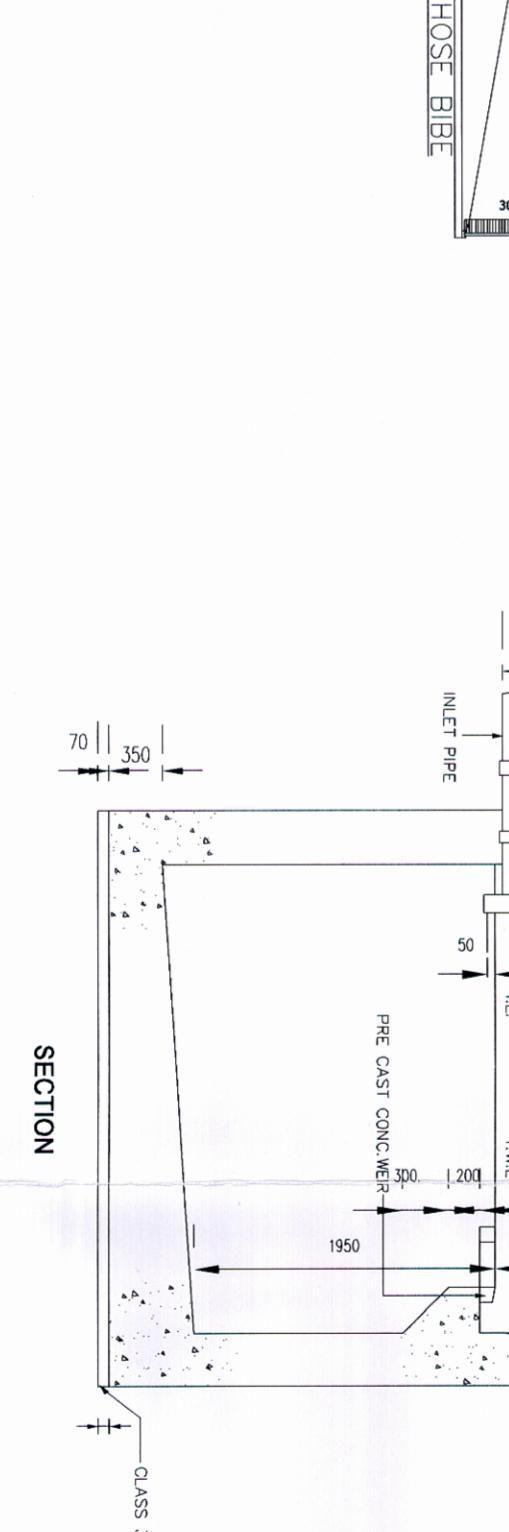
- SERVICE NO. : 1 - OWNER'S NAME: ENG. ADNAN FAHAD AL NAIMI
- PLAN REGISTRATION No.: 3 - STREET NO.: 4 - AREA No.: 5 - STREET NO.: 6 - PROPERTY CERTIFICATION No.: 7 - AREA: 8 - TYPE OF BUILDING: AGRI GREEN FACTORY(OFFICE+1), STORE AND DINING ROOM 9 - MUNICIPALITY: INDUSTRIAL AREA 10 - DAILY Y CONSUMPTION: 2400 g/ds

SITE PLAN

SCALE 1:200



SEPTIC TANK DIMENSIONS



1 - TO PREVENT ANY STRESS IS ON PUMP SYSTEM & PUMPING NOTES.
2 - END SUCTION PUMP SHALL BE SUPPORTED INDEPENDENTLY OF PUMP FLOATING FOUNDATION BASE REFER TO DOCUMENT ISOLATION BASE DETAIL.

INSTALLATION DETAIL&HOOK UP

TYPE	L(m)	W(m)	X(mm)	PERSONS SERVED
A	3	1.0	150	1 TO 10
B	4	1.3	200	11 TO 20
C	4.75	1.60	240	21 TO 40
D	6.00	2.00	200	41 TO 200
M.H-8	±0.15	-0.99	1.14	60*60
M.H-9	±0.00	-0.69	0.65	60*60
M.H-10	±0.00	-0.45	0.45	60*60

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY

M.H-2 ±0.15 -1.64 1.79 60*60 60*60 H.DUTY

M.H-3 ±0.00 -1.70 1.70 60*60 60*60 H.DUTY

M.H-4 ±0.15 -1.40 1.55 60*60 60*60 H.DUTY

M.H-5 ±0.00 -1.15 1.15 60*60 60*60 H.DUTY

M.H-6 ±0.15 -0.93 1.08 60*60 60*60 H.DUTY

M.H-7 ±0.15 -1.02 1.17 60*60 60*60 H.DUTY

M.H-8 ±0.15 -0.99 1.14 60*60 60*60 H.DUTY

M.H-9 ±0.00 -0.69 0.65 60*60 60*60 H.DUTY

M.H-10 ±0.00 -0.45 0.45 60*60 60*60 H.DUTY

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY

M.H-2 ±0.15 -1.64 1.79 60*60 60*60 H.DUTY

M.H-3 ±0.00 -1.70 1.70 60*60 60*60 H.DUTY

M.H-4 ±0.15 -1.40 1.55 60*60 60*60 H.DUTY

M.H-5 ±0.00 -1.15 1.15 60*60 60*60 H.DUTY

M.H-6 ±0.15 -0.93 1.08 60*60 60*60 H.DUTY

M.H-7 ±0.15 -1.02 1.17 60*60 60*60 H.DUTY

M.H-8 ±0.15 -0.99 1.14 60*60 60*60 H.DUTY

M.H-9 ±0.00 -0.69 0.65 60*60 60*60 H.DUTY

M.H-10 ±0.00 -0.45 0.45 60*60 60*60 H.DUTY

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY

M.H-2 ±0.15 -1.64 1.79 60*60 60*60 H.DUTY

M.H-3 ±0.00 -1.70 1.70 60*60 60*60 H.DUTY

M.H-4 ±0.15 -1.40 1.55 60*60 60*60 H.DUTY

M.H-5 ±0.00 -1.15 1.15 60*60 60*60 H.DUTY

M.H-6 ±0.15 -0.93 1.08 60*60 60*60 H.DUTY

M.H-7 ±0.15 -1.02 1.17 60*60 60*60 H.DUTY

M.H-8 ±0.15 -0.99 1.14 60*60 60*60 H.DUTY

M.H-9 ±0.00 -0.69 0.65 60*60 60*60 H.DUTY

M.H-10 ±0.00 -0.45 0.45 60*60 60*60 H.DUTY

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY

M.H-2 ±0.15 -1.64 1.79 60*60 60*60 H.DUTY

M.H-3 ±0.00 -1.70 1.70 60*60 60*60 H.DUTY

M.H-4 ±0.15 -1.40 1.55 60*60 60*60 H.DUTY

M.H-5 ±0.00 -1.15 1.15 60*60 60*60 H.DUTY

M.H-6 ±0.15 -0.93 1.08 60*60 60*60 H.DUTY

M.H-7 ±0.15 -1.02 1.17 60*60 60*60 H.DUTY

M.H-8 ±0.15 -0.99 1.14 60*60 60*60 H.DUTY

M.H-9 ±0.00 -0.69 0.65 60*60 60*60 H.DUTY

M.H-10 ±0.00 -0.45 0.45 60*60 60*60 H.DUTY

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY

M.H-2 ±0.15 -1.64 1.79 60*60 60*60 H.DUTY

M.H-3 ±0.00 -1.70 1.70 60*60 60*60 H.DUTY

M.H-4 ±0.15 -1.40 1.55 60*60 60*60 H.DUTY

M.H-5 ±0.00 -1.15 1.15 60*60 60*60 H.DUTY

M.H-6 ±0.15 -0.93 1.08 60*60 60*60 H.DUTY

M.H-7 ±0.15 -1.02 1.17 60*60 60*60 H.DUTY

M.H-8 ±0.15 -0.99 1.14 60*60 60*60 H.DUTY

M.H-9 ±0.00 -0.69 0.65 60*60 60*60 H.DUTY

M.H-10 ±0.00 -0.45 0.45 60*60 60*60 H.DUTY

M.H-REF COV.LVL INV.LVL DEPTH MH SIZE COVER SIZE COVER TYPE

M.H-1 ±0.00 -1.77 -1.77 12000 12000 H.DUTY