



LIST OF Grey Water manholes :-

Manhol NO.	Top level (m)	Invert level(m)	Outlet level(m)	Depth (cm)	type	DiameterØ	Cover type
MH 1	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete
MH 2	-0.30	-0.87	-0.52	57	Circular Ston	60 cm	Concrete
MH 3	-0.30	-0.945	-0.595	64.5	Circular Ston	60 cm	Concrete
MH 4	-0.30	-1.155	-0.805	85.5	Circular Ston	60 cm	Concrete
MH 5	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete
MH 6	-0.30	-0.88	-0.53	58	Circular Ston	60 cm	Concrete
MH 7	-0.30	-1.00	-0.65	70	Circular Ston	60 cm	Concrete
MH 8	-0.30	-1.1	-0.75	80	Circular Ston	60 cm	Concrete
MH 9	-0.30	-1.55	-1.20	1.25	Circular Ston	125cm	Concrete
MH 10	-0.30	-1.55	-1.20	1.25	Circular Ston	125cm	Concrete
MH 11	-0.30	-1.55	-1.20	1.25	Circular Ston	125cm	Concrete

LIST OF Black Water manholes :-

ManHolNO.	Top level (m)	Invert level(m)	Outlet level(m)	Depth (cm)	type	DiameterØ	Cover type
MH 1	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete
MH 2	-0.30	-0.88	-0.53	58	Circular Ston	60 cm	Concrete
MH 3	-0.30	-1.075	-0.725	77.5	Circular Ston	60 cm	Concrete
MH 4	-0.30	-1.24	-0.89	94	Circular Ston	60 cm	Concrete
MH 5	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete

LIST OF Rain(Storm Water) manholes :-

Manhol NO.	Top level (m)	Invert level(m)	Outlet level(m)	Depth (cm)	type	DiameterØ	Cover type
MH 1	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete
MH 2	-0.30	-0.86	-0.51	56	Circular Ston	60 cm	Concrete
MH 3	-0.30	-0.80	-0.45	50	Circular Ston	60 cm	Concrete
MH 4	-0.30	-1.02	-0.67	72	Circular Ston	60 cm	Concrete
MH 5	-0.30	-1.14	-0.79	84	Circular Ston	60 cm	Concrete
MH 6	-0.30	-1.21	0.86	91	Circular Ston	60 cm	Concrete
MH 7	-0.30	-1.55	-1.20	1.25	Circular Ston	125cm	Concrete
MH 8	-0.30	-1.55	-1.20	1.25	Circular Ston	125cm	Concrete

LIST OF Water Pipes :-

Pipe NO.	Type of Pipes and Diameter
1	Ø4" FIRE FIGHTING RISER
2	Ø2" HOT WATER RETURN
3	Ø2" HOT WATER SUPPLY
4	Ø2" COLD WATER SUPPLY FROM ROOF TANK TO COLLECTOR
5	Ø2" GREY WATER TREAT TO WATER CLOSET
6	Ø2" COLD WATER SUPPLY TO ROOF TANK
7	Ø2" GREY WATER TO SAND ROOF TANK
8	Ø1" LIQUID REFREGERANT
9	Ø1" GAS REFREGERANT

LIST OF Water Vents Stack :-

Vents NO.	Type of Vents and Diameter
1	Ø4" STORM WATER
2	Ø4" GREY WATER
3	Ø4" GREY WATER
4	Ø4" BLACK WATER
5	Ø4" STORM WATER
6	Ø4" STORM WATER
7	Ø4" STORM WATER
8	Ø4" GREY WATER
9	Ø4" BLACK WATER

Date:
02/04/2018

Drawing Scale:
1/100

Drawing No.
M01

PALESTINE
POLYTECHNIC UNIVERSITY

College of Engineering

Department of Mechanical Engineering

H.V.A.C. Engineering



Designed AND DRAWN By:
Mutaz Dweik

Supervisor:
Dr. KAZEM OSAILY

Project Name:
**Mechanical Systems
for Headquarters Charities
building in Hebron**

Drawing Title:
SITE PLAN

Notes:

All dimensions are in Meters
Unless otherwise shown.
All spot levels are in Meters.

▨ Hollow blockwork.
▨ Reinforced concrete column/wall.
▨ Plain concrete walls.

