
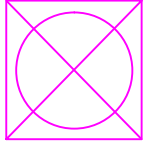
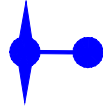
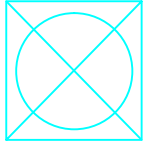













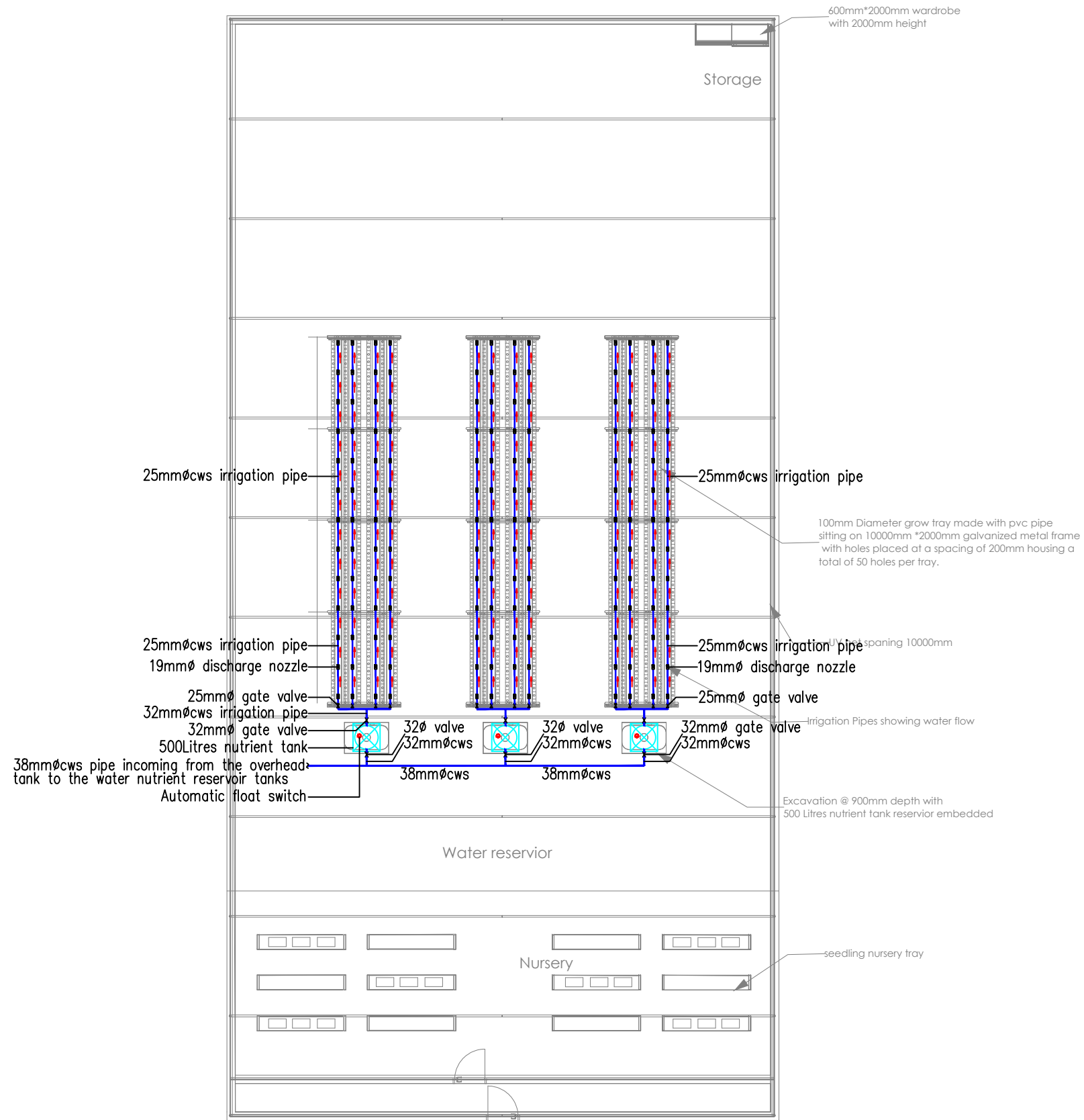
MECHANICAL SERVICES DRAWINGS

MECHANICAL LEGEND


MECHANICAL LEGEND

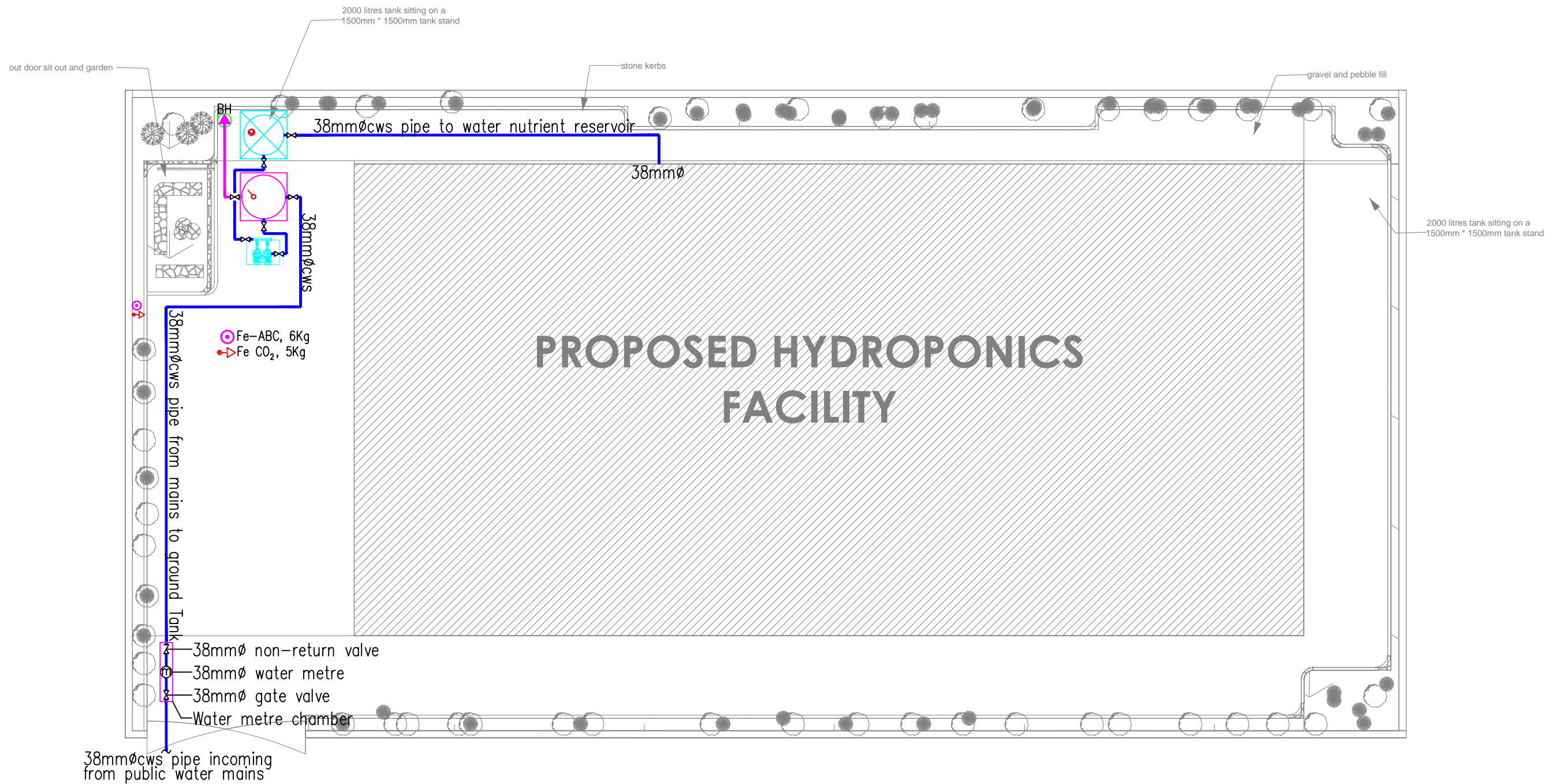
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	COLD WATER SUPPLY PIPE		GROUND WATER TANKS
	STAND-BY TAP		ELEVATED WATER TANK
	BOREHOLE		DUPLICATED WATER BOOSTER PUMP
	19MMØ DISCHARGE NOZZLE		FLOAT SWITCH
	WATER FLOW		BALL VALVE
	GATE VALVE		FE-ABC, 6Kg
	NON RETURN VALVE		FE-CO ₂ 5Kg

General notes	drawn	Engr. N.I	client	Job title	consultant	sheet title	Seal			
<ul style="list-style-type: none"> o All dimension are in milimetres o All Work must be supervised by an Engineer. o This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission. 	designed	Engr. N.I	GREEN HABITAT INITIATIVE	PROPOSED HYDROPONICS DEVELOPMENT		Mechanical Legend				
	checked	Engr. R.Y		location						
	scale	N.T.S		ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.				Address	Plot 301, Emirates Prime Apartments, Katampe Abuja	
	date	October 2024		Contact				08135328223, 07037787867	Job no.	




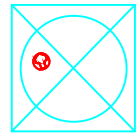
GROUND FLOOR PLAN

General notes ◦ All dimension are in milimetres ◦ All Work must be supervised by an Engineer. ◦ This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission.	drawn	Engr. N.I	client GREEN HABITAT INITIATIVE	Job title	PROPOSED HYDROPONICS DEVELOPMENT	consultant  Real Estate Construction and Consultancy	sheet title		Seal
	designed	Engr. N.I		location	ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.		Ground Floor Plan: Water Supply System Layout		
	checked	Engr. R.Y		Address	Plot 301, Emirates Prime Apartments, Katampe Abuja		Job no.	sheet no.	
	scale	1:150		Contact	08135328223, 07037787867			MO1	
date	October 2024								



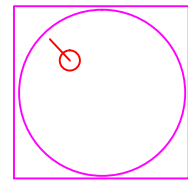
GRREN HOUSE SITE LAYOUT

General notes All dimension are in milimetres All Work must be supervised by an Engineer. This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission.	drawn	Engr. N.I	client GREEN HABITAT INITIATIVE	Job title	PROPOSED HYDROPONICS DEVELOPMENT	consultant  Real Estate Construction and Consultancy	sheet title	Site Plan: Water Supply System Layout	Seal
	designed	Engr. N.I		location	ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.				
	checked	Engr. R.Y		Address	Plot 301, Emirates Prime Apartments, Katampe Abuja				
	scale	1:150		Contact	08135328223, 07037787867				
date	October 2024			Job no.		sheet no.	M02		



OVERHEAD WATER TANK

GEEPEE (SHAKTI 2,000) overhead tank to be mounted vertically on 8m high steel stanchion to the Structural Engineer's details
 Size: 1.27m dia x 1.55m high
 Capacity: 2,000Litres



GROUND WATER TANK

GEEPEE (GALAXY 5,000) ground tank to be mounted on 600mm high concrete base foundation to the Structural Engineer's details
 Size: 1.99m dia x 1.86m high
 Capacity: 5,000Litres



WATER TRANSFER PUMP

1 set Water pumps with complete all accessories
 1 duty + 1 Stand – by.

PUMP SPECIFICATION :

Hydro 1000 CR2-40 pump

FLOW = 0.7L/s

HEAD = 20m

ELECTRICAL MOTOR RATING = 0.55kW each

Start = Direct on line.

Cut-In Pressure = 1.5bar

Cut-Out Pressure = 3.0bar

Maximum Current = 1.4A


Single Phase (220 – 240V)

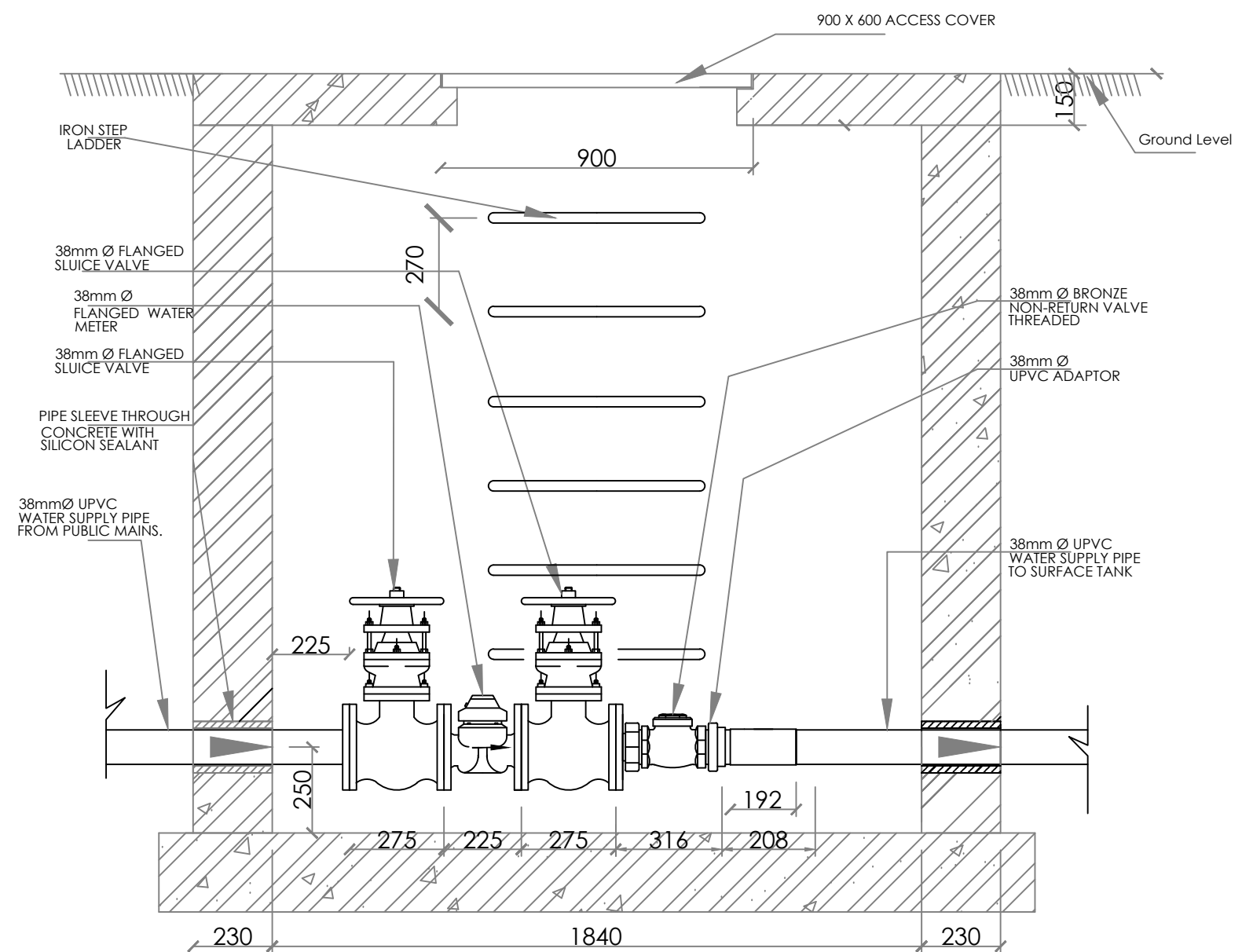
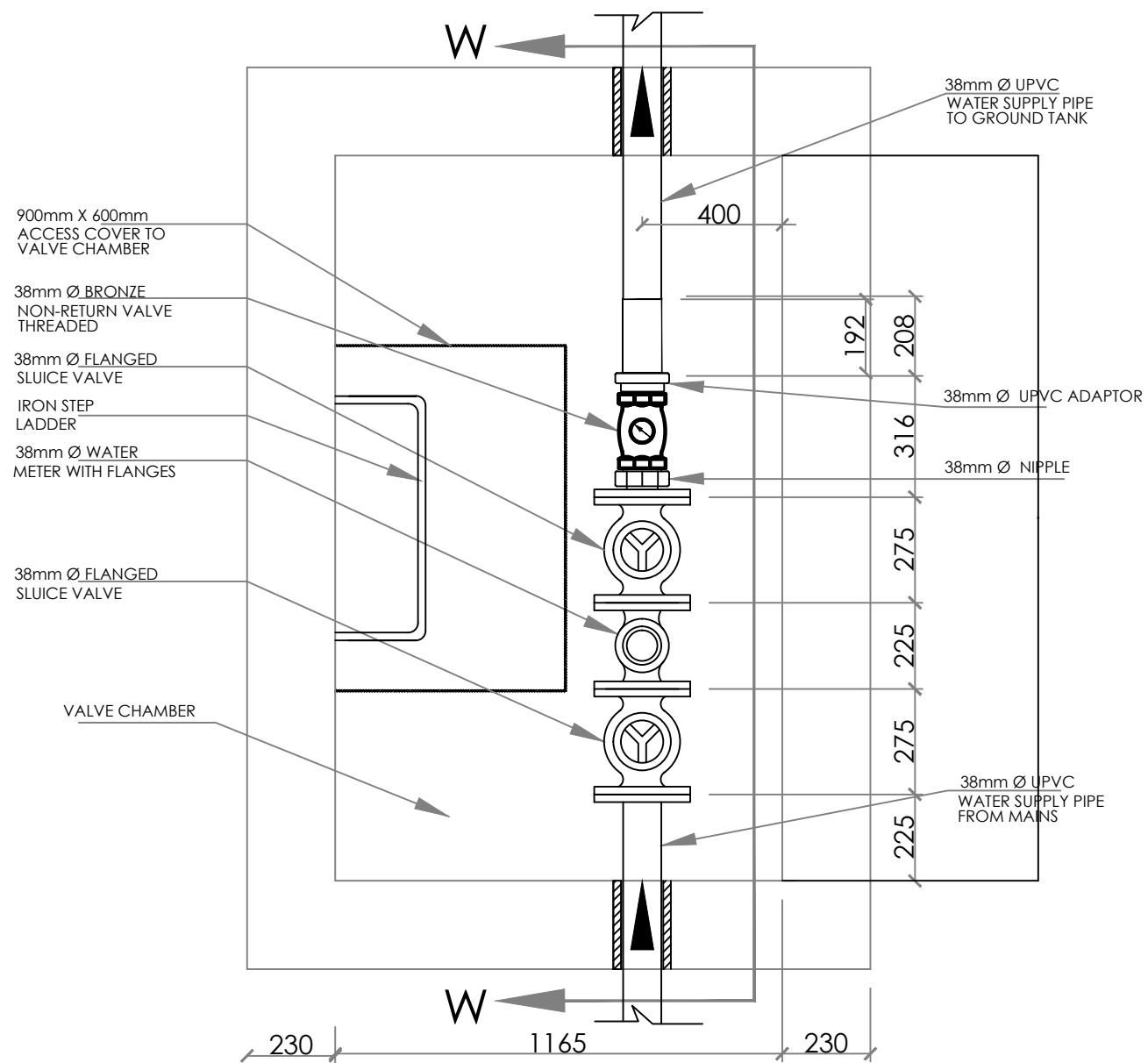
Starting = Direct online

SD = Star/Delta

BOREHOLE

Proposed Borehole with
 2.0Hp submersible pump
 subject to Geophysical survey
 (Actual position to be determined on site)

General notes All dimension are in milimetres All Work must be supervised by an Engineer. This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission.	drawn	Engr. N.I	client GREEN HABITAT INITIATIVE	Job title	consultant  abni Engineering Ltd. <small>Real Estate Construction and Consultancy</small>	sheet title	Seal	
	designed	Engr. N.I		PROPOSED HYDROPONICS DEVELOPMENT		Tank and Pump Sizes		
	checked	Engr. R.Y		location		Job no.		sheet no.
	scale	N.T.S		ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.		08135328223, 07037787867		M03
	date	October 2024						



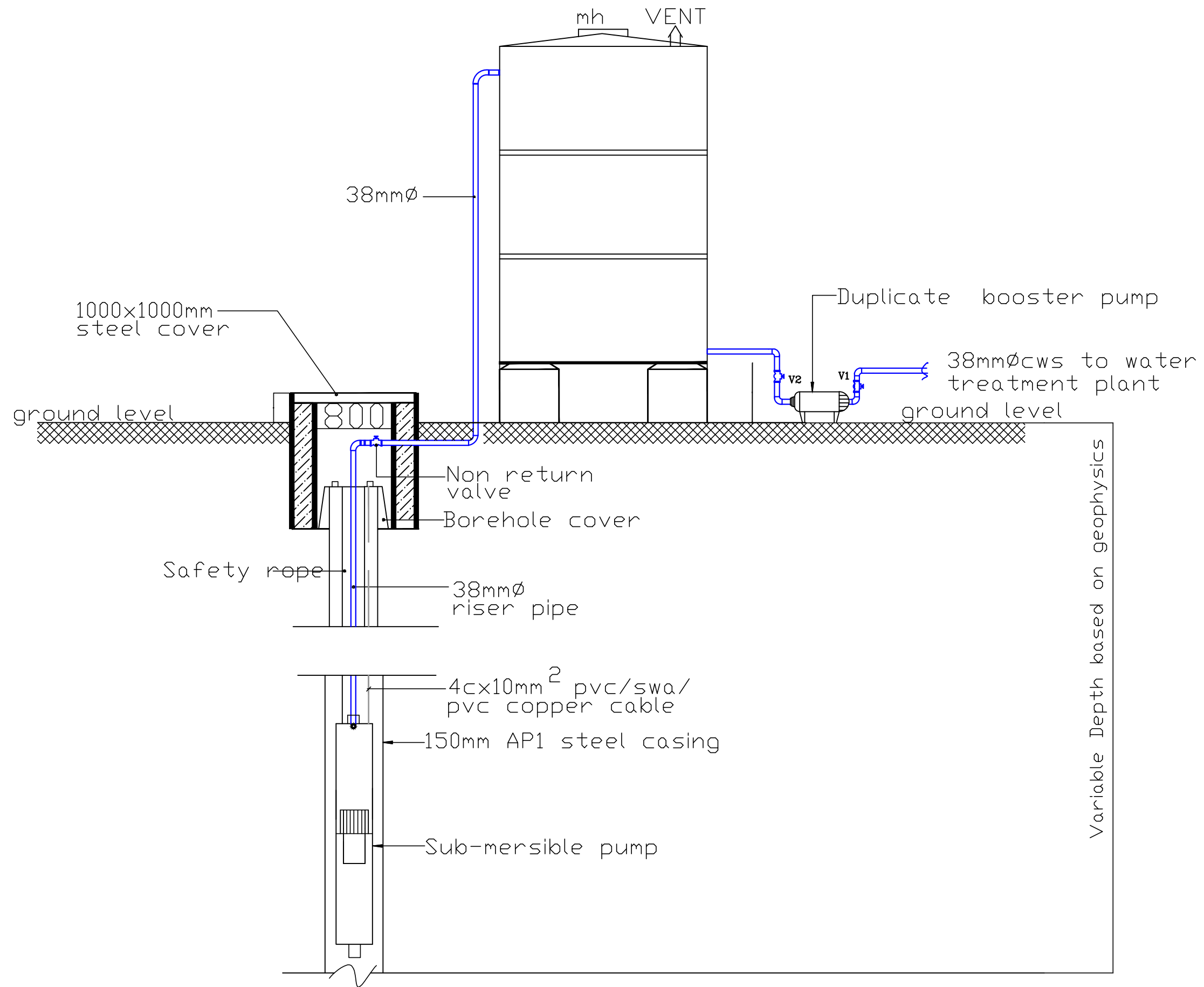
EXTERNAL WORKS: DETAILS OF WATER MAINS VALVE CHAMBER.

ELEVATION W-W: MAINS VALVE CHAMBER


NOTE:

Depth of Manhole To Be Determined on Site

General notes All dimension are in milimetres All Work must be supervised by an Engineer. This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission.	drawn	Engr. N.I	client GREEN HABITAT INITIATIVE	Job title	PROPOSED HYDROPONICS DEVELOPMENT	consultant Real Estate Construction and Consultancy	sheet title	Water Mains Valve Chamber Details	Seal
	designed	Engr. N.I		location	ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.				
	checked	Engr. R.Y		Address	Plot 301, Emirates Prime Apartments, Katampe Abuja				
	scale	N.T.S		Contact	08135328223, 07037787867				
	date	October 2024					Job no.	sheet no. MO4	



TYPICAL DETAIL OF GROUND WATER TANK

General notes o All dimension are in milimetres o All Work must be supervised by an Engineer. o This drawing is only allowed to be used for its intended purpose. Handing out this to a third party is not permitted nor usage for other purposes permitted without our special permission.	drawn	Engr. N.I	client GREEN HABITAT INITIATIVE	Job title	PROPOSED HYDROPONICS DEVELOPMENT	consultant  Real Estate Construction and Consultancy	sheet title	Ground Water Tank Details	Seal		
	designed	Engr. N.I		location	ANCHAU, KUBAU LOCAL GOVERNMENT AREA, KADUNA STATE, NIGERIA.		Address	Plot 301, Emirates Prime Apartments, Katampe Abuja		Job no.	
	checked	Engr. R.Y		date	October 2024		Contact	08135328223, 07037787867		sheet no.	M05
	scale	N.T.S									