

# DRAWINGS

## AS- BUILT & NEW STRUCTURES


### LAL-SARJANGAL, GHOR, AFGHANISTAN

#### Identified Gaps for Existing WASH Services in Safid chashma SHC:

- The building water supply is functional but need to be connected to the water sources and the waste water system is damaged need to be connected to the septic tank.
- The building has no water source and there is not any other source near to the clinic they don't have access to safe drinking water.
- The waste management system is not functional and they are using from a metallic stow for burning solid wastes and the pits are not sealed.
- There is a septic tank inside the clinic compound the septic tank slab is damaged, the septic tank walls has leakages, the floor is damaged and there isn't any drain pit beside the septic tank

#### Solution:

- Repairing of clinic water supply and waste water system like: plumbing the hot and cold water from the water sources to the sinks and flash tanks and directing the waste water to the septic tank
- Mix toilet & bath construction for the delivery room by changing a part of kitchen to toilet-bath mixed structure for more information see the drawing below.
- Construction of a borehole outside the healthcare facility compound because the inside the clinic compound water is acidic and not drinkable so we considered a borehole outside of the clinic compound to provide safe water for the clinic
- Installation of sinks and Floor Drains for the new bath room and existing toilets for hand washing facility.
- Construction of waste management structure in the clinic.

	TASK & RESPOSIBILITIES		DATE	<div>NO OF PAGES</div> <div>1 9</div>	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjanganal	START DATE	-	DRAWING TYPE	cover page
	DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	-	E	66.25081°
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
	APPROVED BY	Simon Wankuru	-							

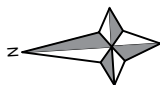
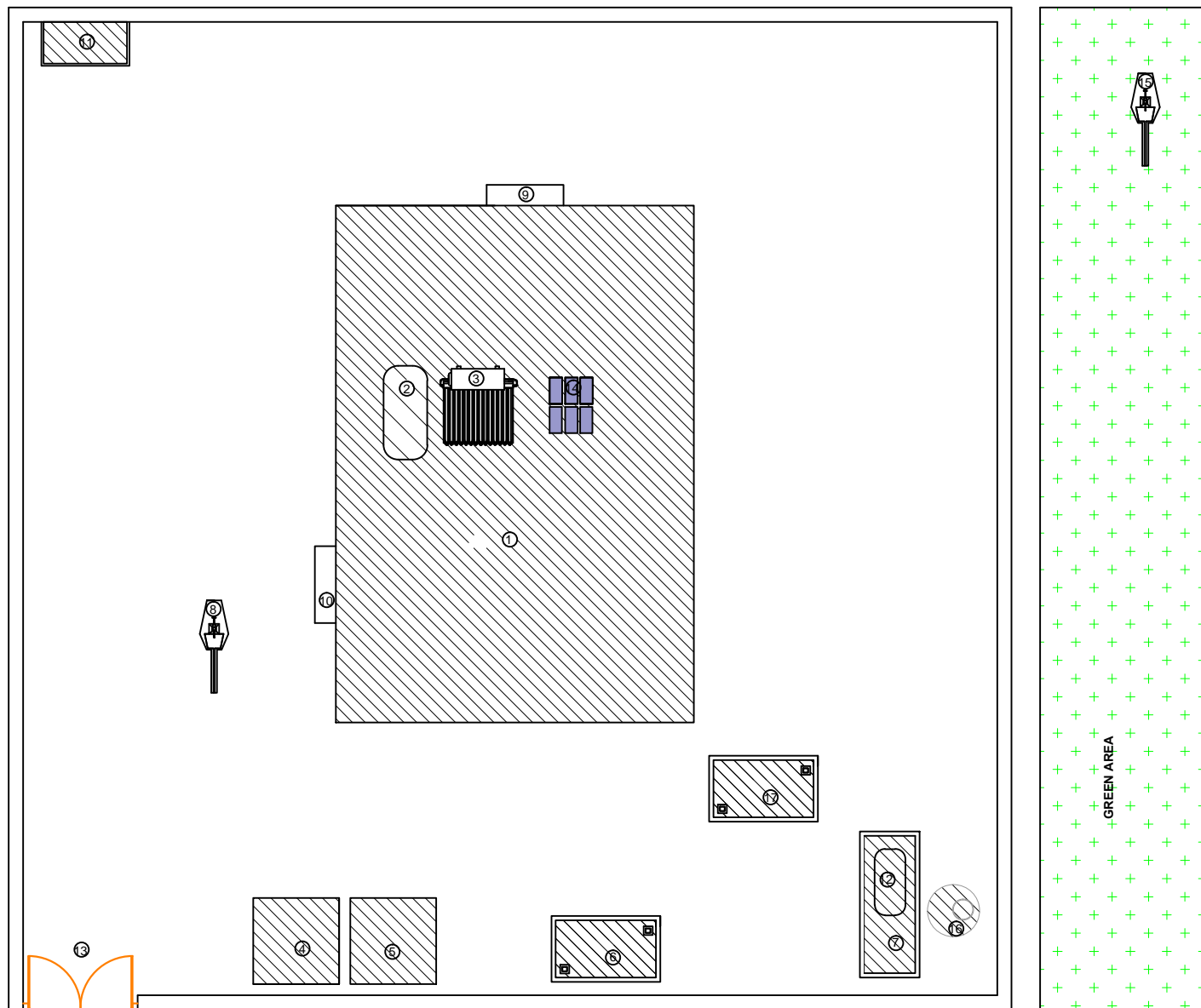


TABLE OF CONTENT	
1	Safid chashma SHC main building
2	New metallic Water Tank 1000 litter
3	New Sun Water boiler 200 litter
4	Guard Room
5	Machine Room
6	Existed Septic Tank
7	Existed Toilets
8	Existed Bore Well
9	Building Side gate
10	Building Front gate
11	New Waste management Area
12	Existed Metal Water Tank 1000 lit
13	HF Compound Entrance Gate
14	New Solar panel for Water pump
15	New Bore well to Supply water for HCF
16	New drain pit
17	New septic tank

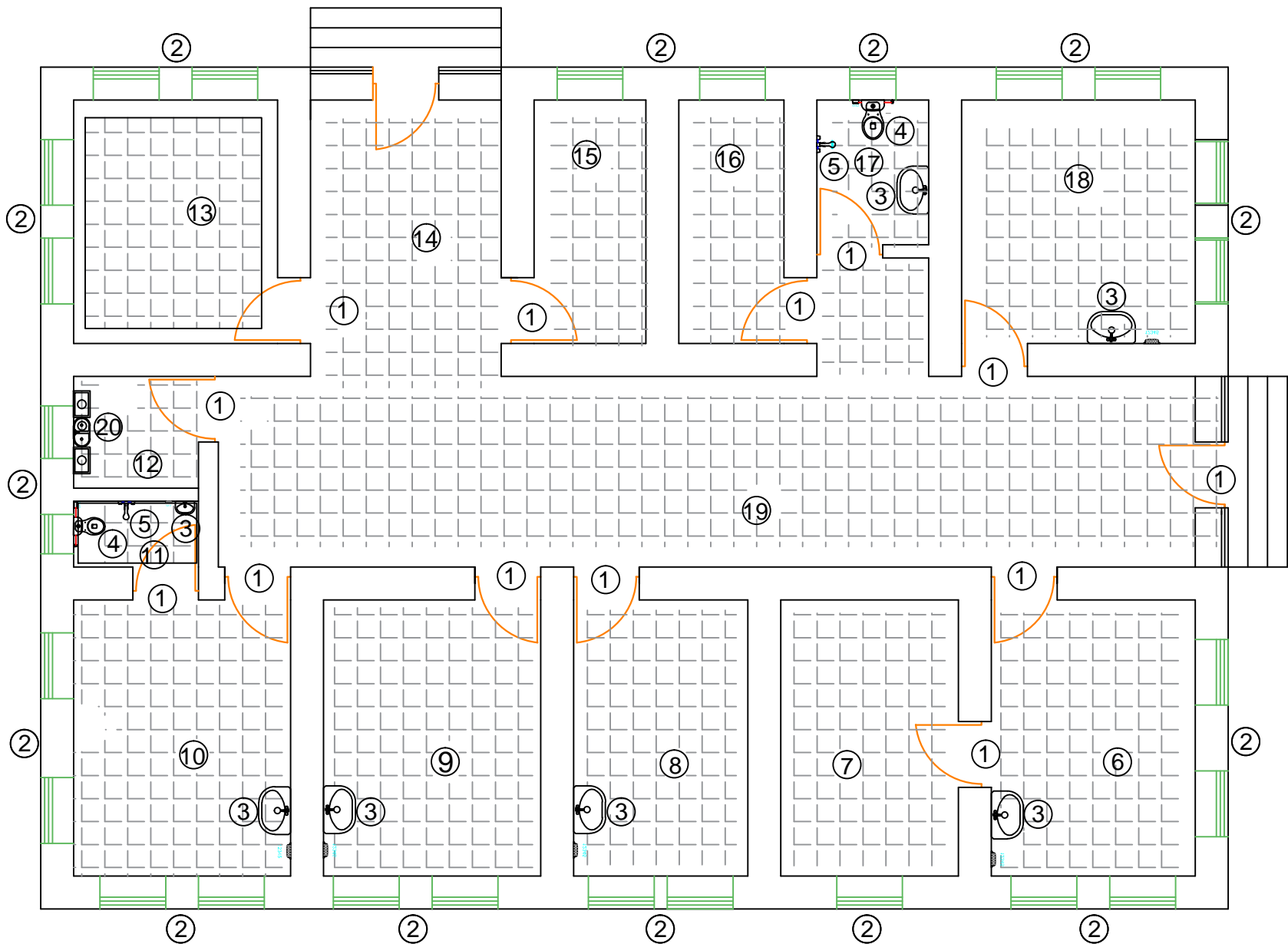


SAFID CHASHMA HCF AREA SITE PLAN



TASK & RESPONSIBILITIES		DATE	NO OF PAGES 2 9	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Site Plan
DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
APPROVED BY	Simon Wankuru	-							

TABLE OF CONTENT FOR BUILDING PLAN	
1	Doors
2	Windows
3	Sink Complete sit With mirror
4	New Stand WC Washbasin
5	New Shower Complete sit
6	OPD room (4.2x3.1)m
7	Stock(4.2x2.7)m
8	Nutrition room (4.2x2.65)m
9	MCH room (4.2x3.3)m
10	Delivery room (4.2x3.3)m
11	New Toilet and bath (1.9x1)m
12	Kitchen (1.7x1.9)m
13	Stock (3.7x3.3)m
14	Corridor (3.7x2.9)m
15	Stock(3.7x1.7)m
16	Stock(3.7x1.6)m
17	Toilet & bath (2.3x1.7)m
18	Vaccination room(3.7x3.1)m
19	Corridor(10.55x2.9)m
20	New Cabinets for kitchen



SAFIDCHSHMA HCF EXISTING BUILDING PLAN


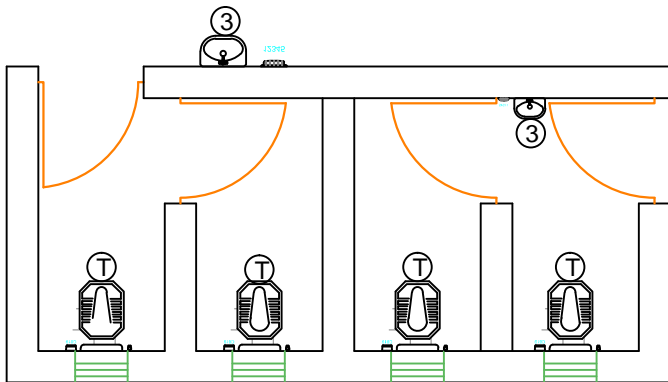
	TASK & RESPOSIBILITIES		DATE	<div>NO OF PAGES</div> <div><div>3</div><div>9</div></div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Building Plan
	DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
	APPROVED BY	Simon Wankuru	-							

TABLE OF CONTENT FOR TILE & CERAMIC PLAN	
1	New ceramic plan for SHC floor
2	New Window size (60x60) Cm
3	New Sinks 4 number
4	New Stand Water Closet
5	New Shower
T	New eastern Water Closet
C	New Cabinet
D	New Door size (70X210) Cm



Note:

-All dimension are in centimeter, unless otherwise noted

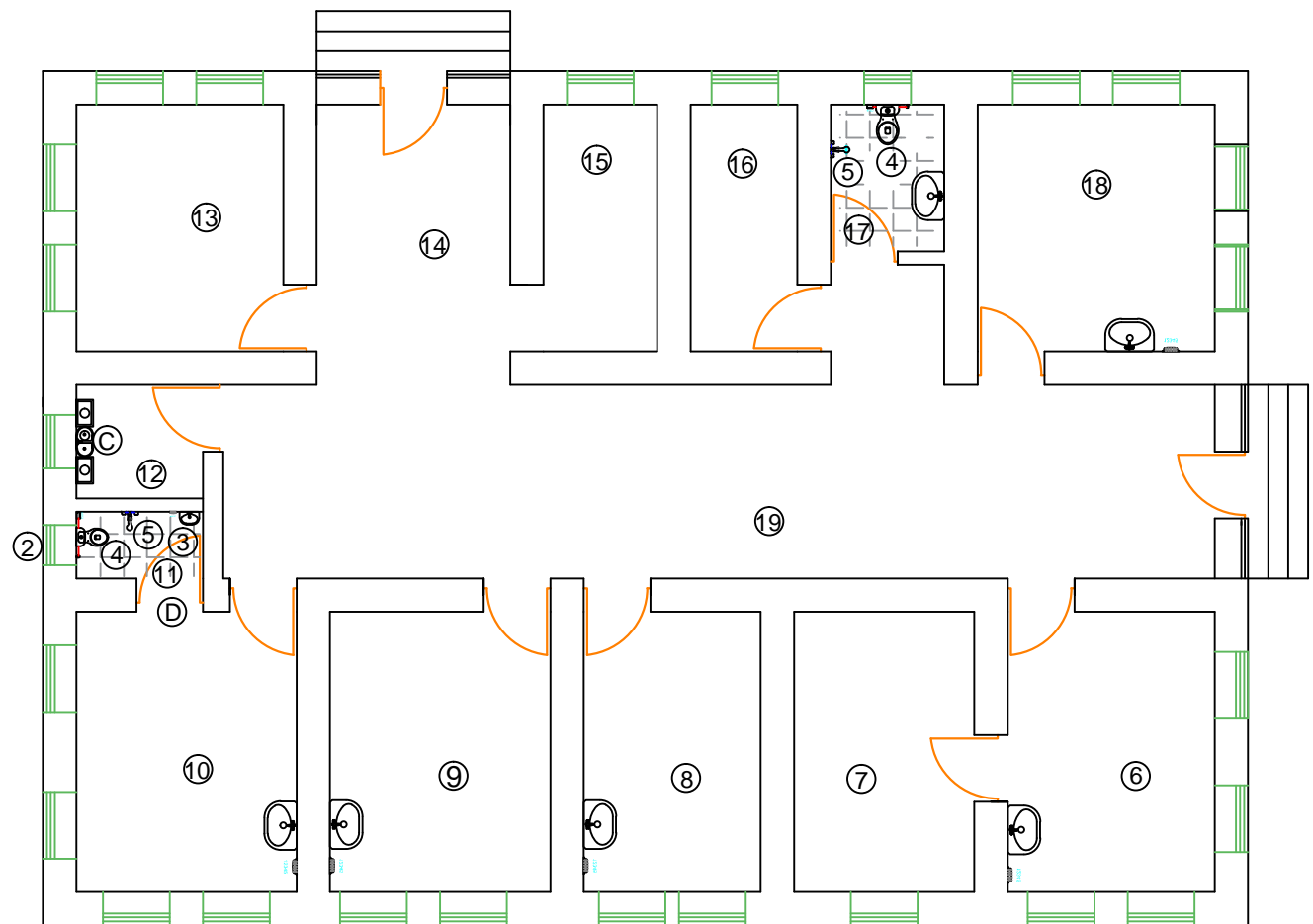
-The ceramic and tile hatched areas are under plan to be install ceramic and tile which is numbered by (11,17) and for more information refer to BoQ

.-Cabinet shall be made of M.D.F Sheets Water Proof.

- Tow number western Water Closet With Flash Tanks and Tow Shower inside of the Bathe and toilets Which is numbered by (4,5) in the Plan


- four number Eastern Water Closet With Flash Tanks inside of the Toilets must be installed which is showed by (T) in the plan

-Four sinks must be installed which is showed by (3) in the plan.





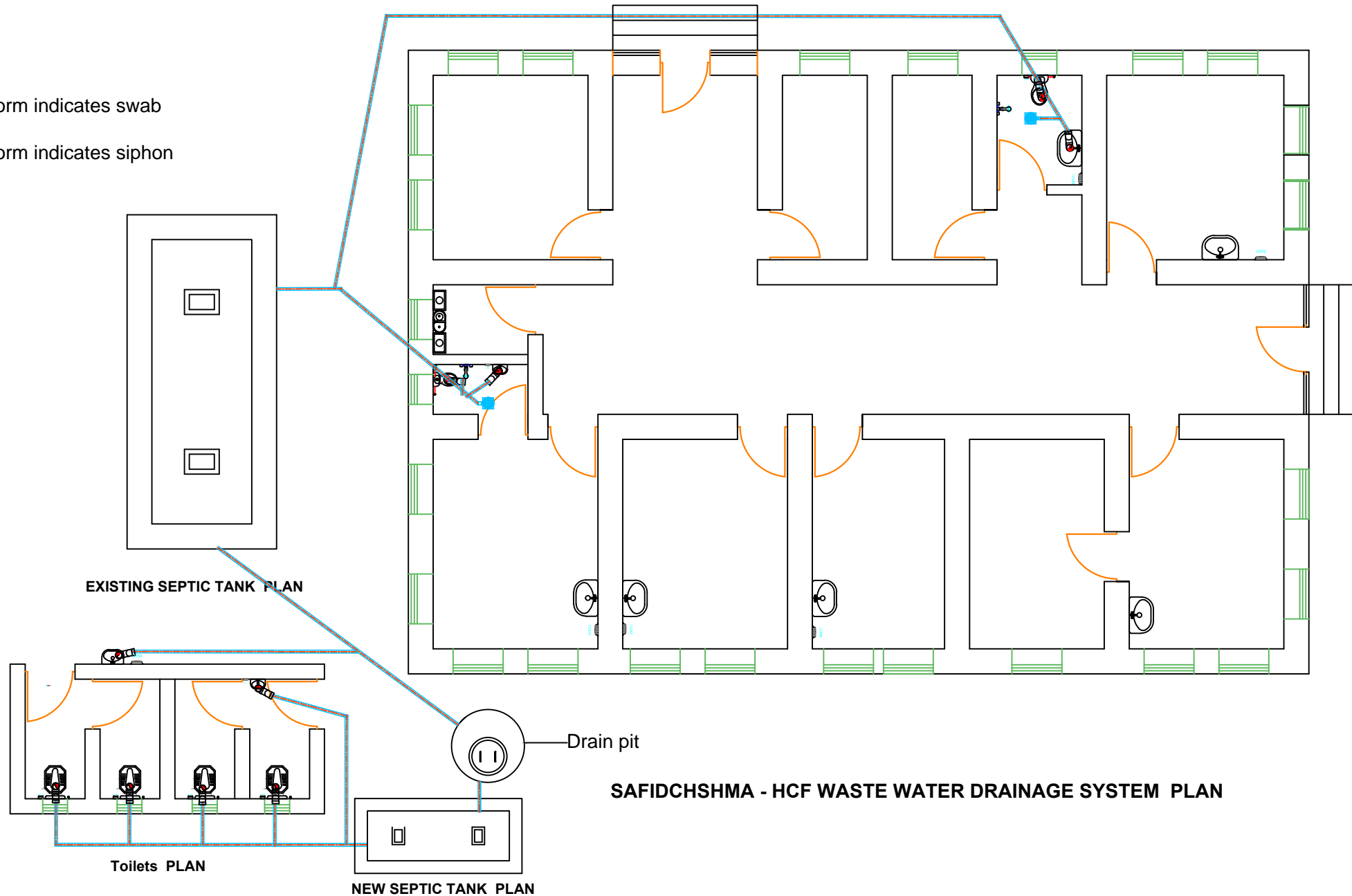
**SAFID CHASHMA -SHC TILE & CERAMIC FLOOR PLAN**


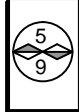
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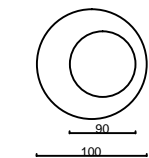
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SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Tile & Ceramic Plan
DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
APPROVED BY	Simon Wankuru	-							

Note:

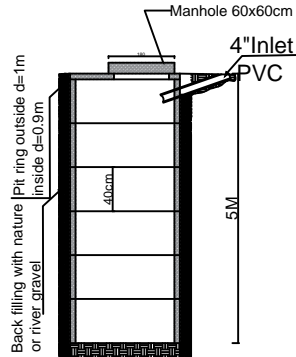
-  This form indicates swab
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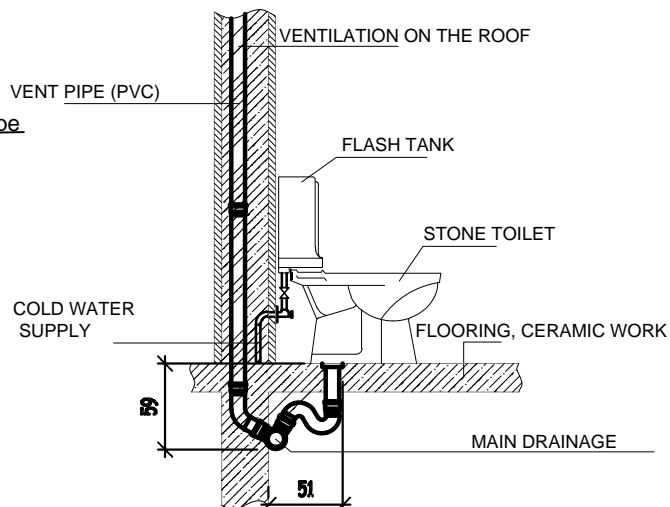
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	SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Water supply plan
	DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
	APPROVED BY	Simon Wankuru	-							



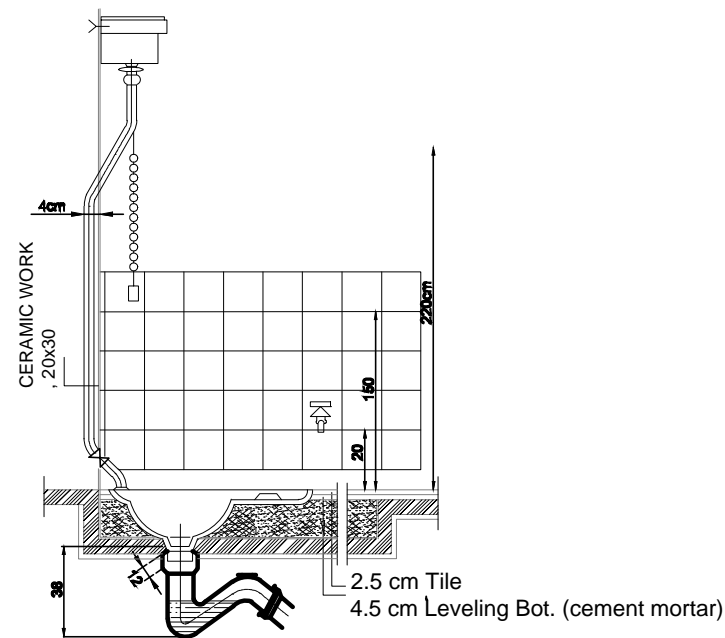
COVERING  
SLAB PLAN



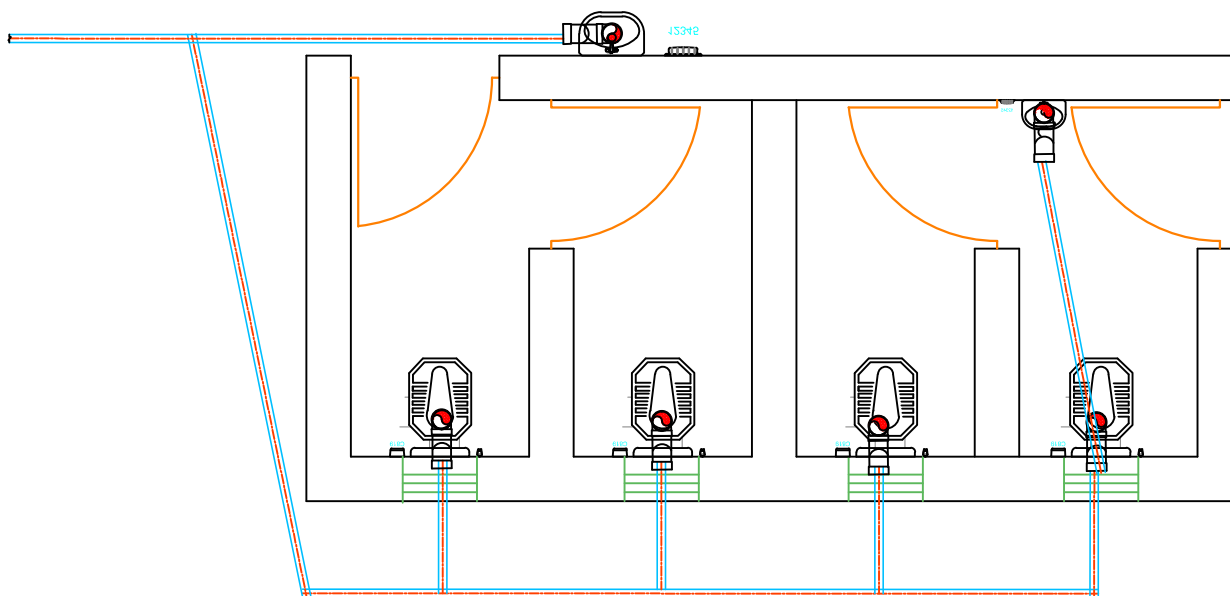
DRAIN PIT  
SECTION



TYPICAL TOILET INSTALLATION



DIMENSION AND CONNECTION DETAILS  
PLACEMENT OF EASTERN TOILETS



Toilets PLAN

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TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Septic tan plan
DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
APPROVED BY	Simon Wankuru	-							

33 NO @10mm, C/C 20cm , TL=731m

23 NO @12mm, C/C 15cm, TL= 80m

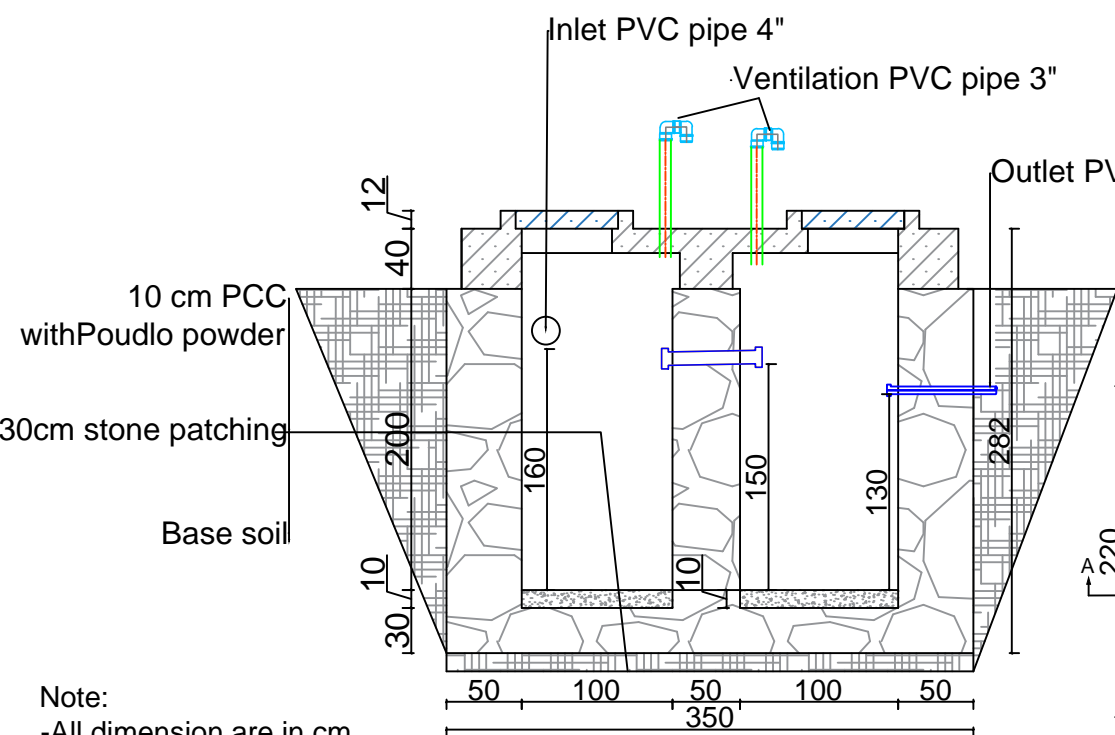
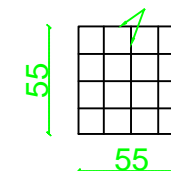
4 NO @ 14mm, C/C  
32.6cm , TL=27m

15 NO @12mm, C/C  
15cm, TL= 52m

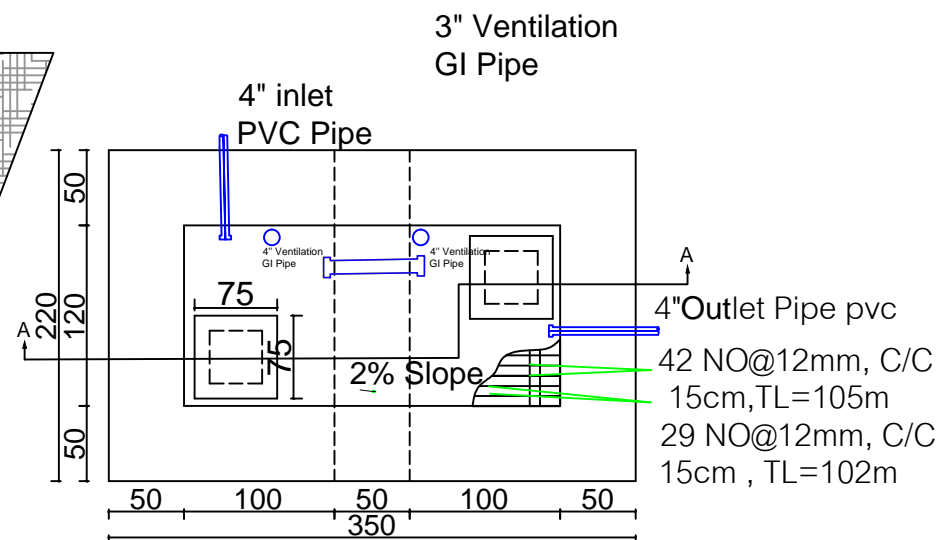
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL

10 NO @12mm, C/C 14cm,

L=0.55m, TL=5.5m



SEPTIC TANK SECTION A-A

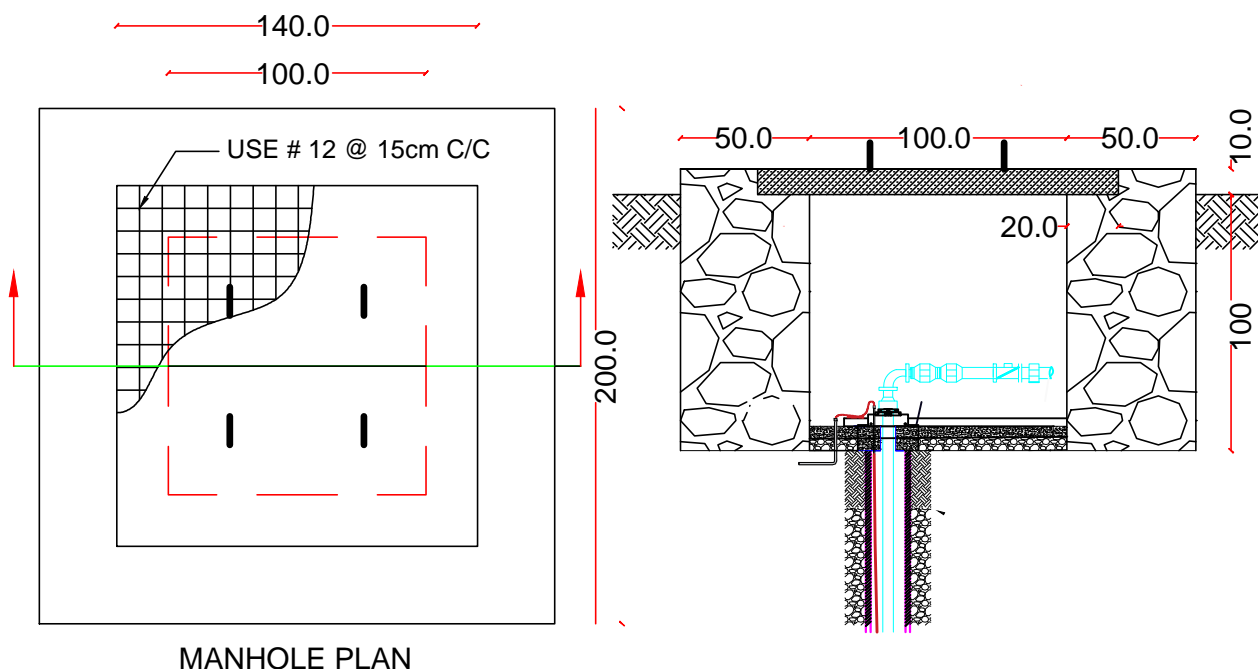


NEW SEPTIC TANK PLAN

Note:  
-All dimension are in cm,  
unless otherwise noted  
-As for location in site plan  
#17

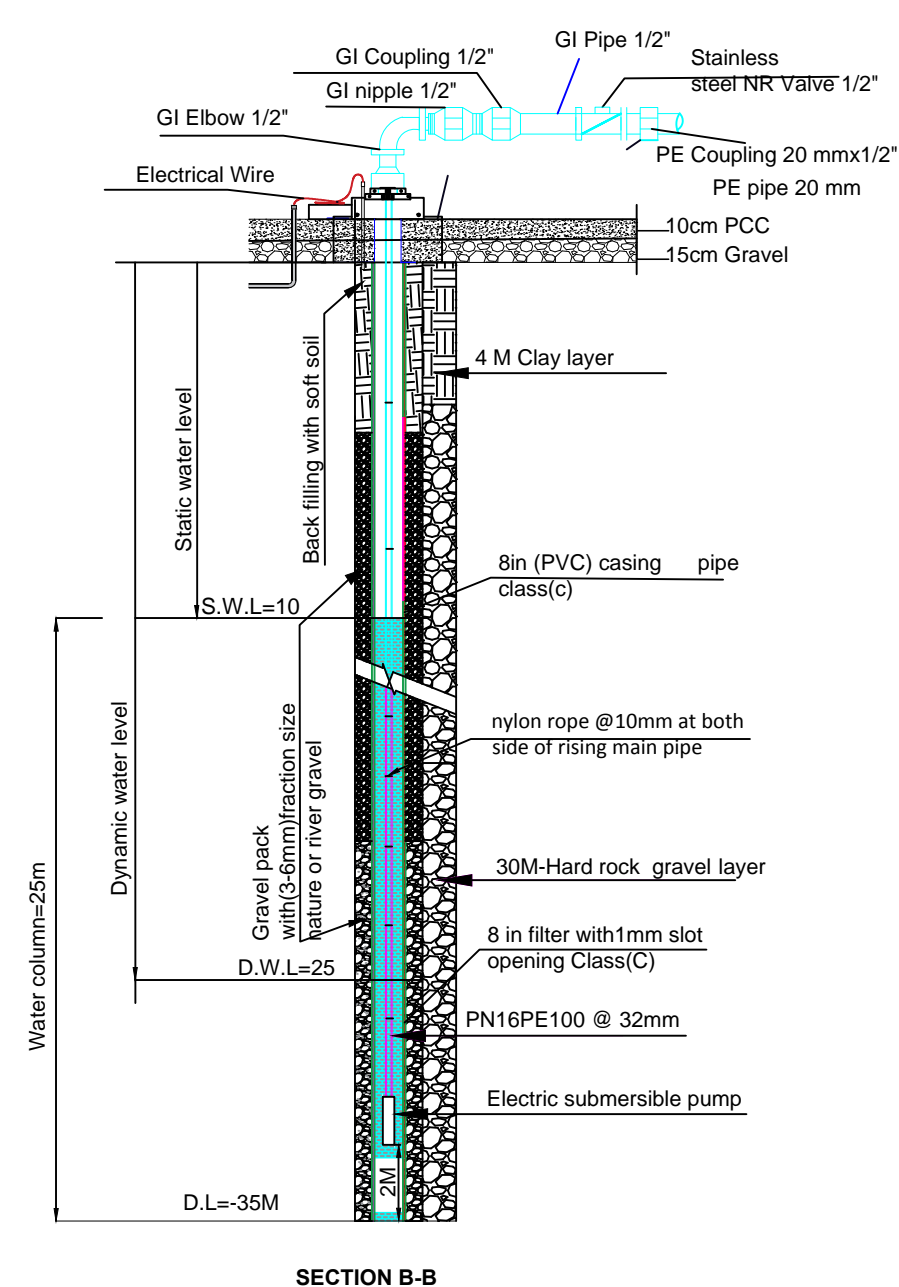
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SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Bore Well plan & section
DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
APPROVED BY	Simon Wankuru	-							



**NOTE:**

1. We found that the clinic doesn't have any independent water source so we considered a bore well structure for the SHC
2. Number of solar in the array refers to BoQ & solar design
3. PROPSOLAR 270W Poly crystalline 37.9V 9.22A
4. Price of solar and array boundary is specified in BoQ
5. Reference site plan **#15**



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	SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjantal	START DATE	----	DRAWING TYPE	Waste Management plan
	DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
	APPROVED BY	Simon Wankuru	-							





### INCINERATOR PLAN



TASK & RESPONSIBILITIES		DATE	<div> <div>NO OF PAGES</div> <div> <div>9</div> <div>9</div> </div> </div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Riazaddin & M. Ismael	21-05-2024		DISTRICT	Lal-Sarjangal	START DATE	----	DRAWING TYPE	Waste management plan
DRAWN BY	Riazaddin Ranjbar	04-06-2024		HCF NAME	Safid Chashma	END DATE	----	E	66.25081°
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34.35903°
APPROVED BY	Simon Wankuru	-							