

Identified Gaps for Existing WASH Services in Pay Hasar**SHC**

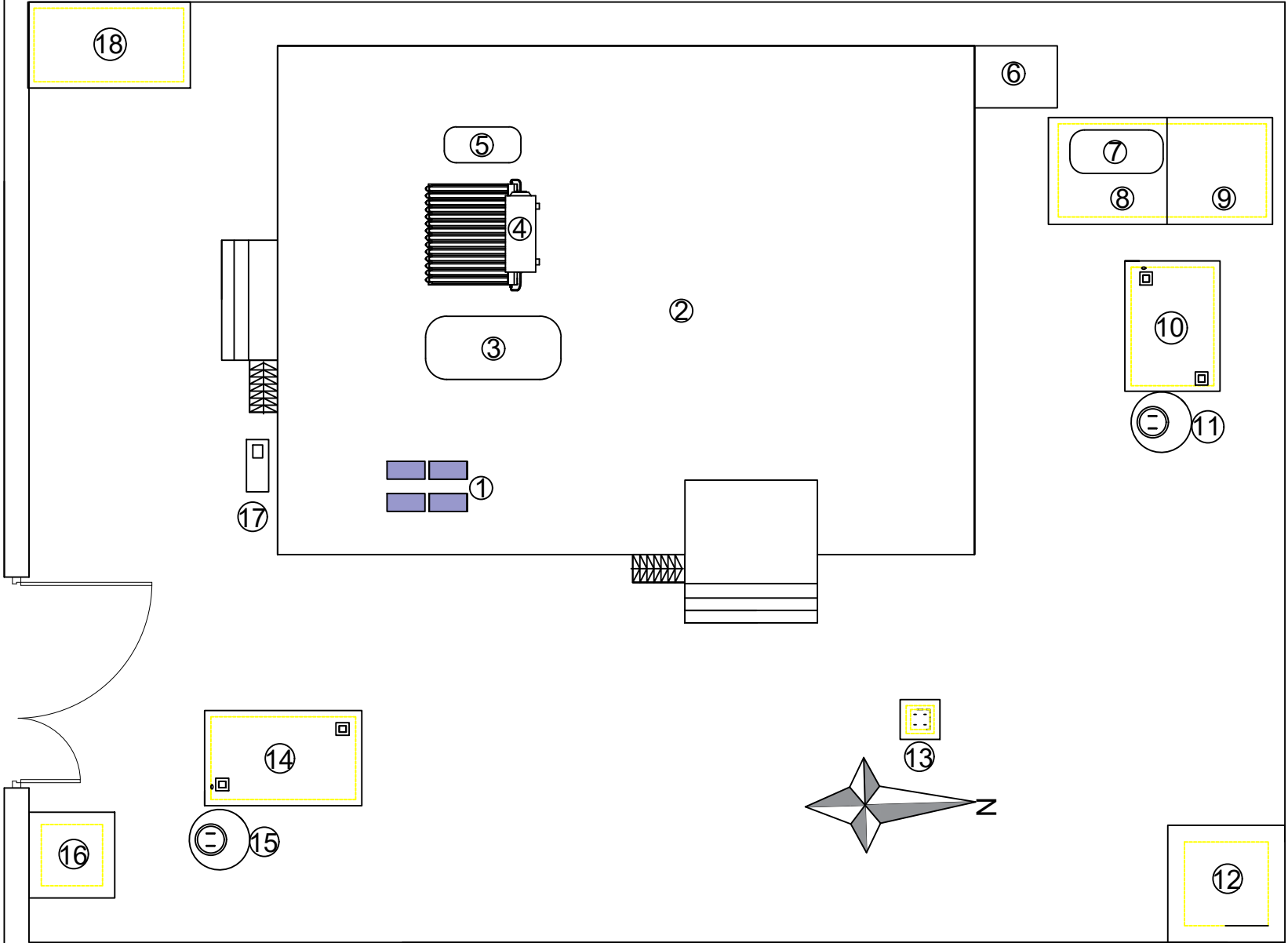
- Lack of any water source for this clinic (the existing bore well with depth of 40m protected by 3inch PVC causing pipe that we can't install submersible pump in it because the minimum outside diameter of submersible pump in Afghanistan market is 4inch, we can't install any submersible pump to this bore well so need to construct a new bore well with depth of 40m inside the clinic)
- Lack of wash floor drain in (pharmacy room, clinic hall and corridor)
- Absence of hand washing facilities (sinks) in (OPD room, vaccination room, emergency ward, pharmacy room and clinic hall) and clinic area.
- Need to new water Tanks for main clinic building and male & female toilets (the existing water tank volume is not enough with low quality need to change) and insulation storage tanks
- Need to provide garbage containers inside the Clinic building
- Need to create a ramp and stair for the entrance gate of existing male and female toilets
- need to repairing the entrance ramp and stairs of main building
- Absence of electricity system for the clinic (all rooms of clinic is without electricity)
- Some part of the building (OPD room, vaccination room, emergency ward, new mix bath & toilet for delivery room and Hall) have no water supply system and sewerage system
- Existed Waste management is not functional because the smoke of burning wastes is harmful to staff and patients (direction is from west to east) also the sharp pit, placenta pip and incinerator pit is full need to reconstruction there is no any boundary fence around waste management area so it causes spread of clinical disease
- The delivery room has no bath and toilet adjacent to it.
- The exiting mix bath and toilet need installation complete set of head shower and a stand WC.



Solution:

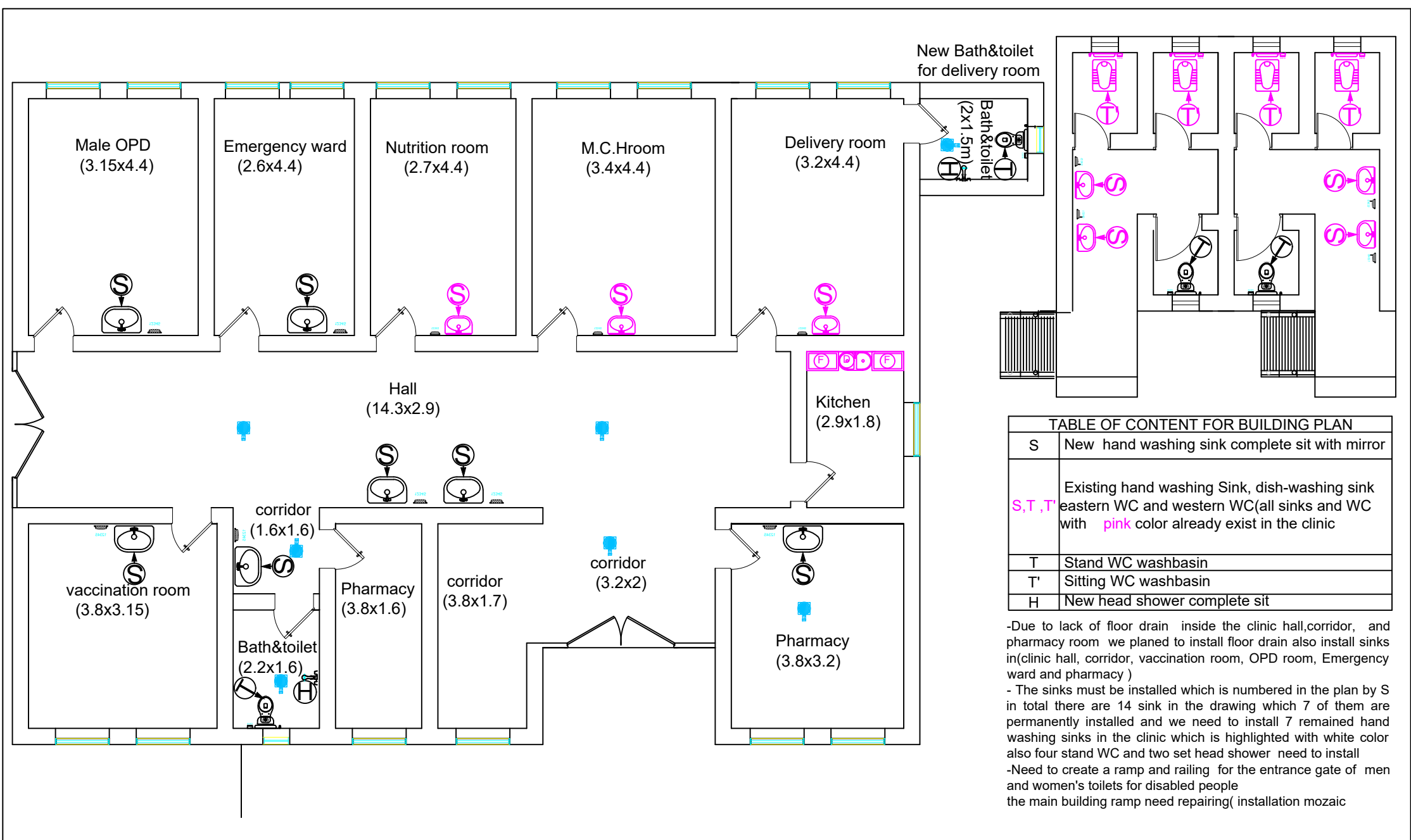
- -Construction a bore well in the clinic site by depth of 40m to prepare safe & clean water for the clinic
- Installation of the sinks in (OPD room, vaccination room, emergency ward, pharmacy room and Hall) for hand washing facility
- Construction of one mix flash toilets & bath with all needed material for delivery room
- installation ramp and railing in existing male and female toilets
- Upgrading the existing mix toilet & bath for clinic staff (installation tiles, stand WC and head shower complete set)
- Installation sewerage pipe and Floor Drain in (planned area according to drawing) connecting this system to existing septic tank
- installation one 200liters sun water boiler, one 500liters water tank with stand for sun water boiler and one 1500liter water tank for main building and one 1000liter water tank for male & female existing toilets
- installation lights in clinic rooms, bath and toilets
- construction one public tap station in clinic area for location and details (drawing)
- installation of mosaic, ceramic, cornice and tiles according to drawing
- construction new waste management.
- construction new septic tank with drain pit for existing male and female toilets
- evacuation and cleaning the existing septic tank and connection to new drain pit

TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Herat	SCALE	-	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	-	DRAWING TYPE	cover page
DRAWN BY	M. Ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	-	E	63° 11' 48.814"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
APPROVED BY	Simon Wankuru	-							

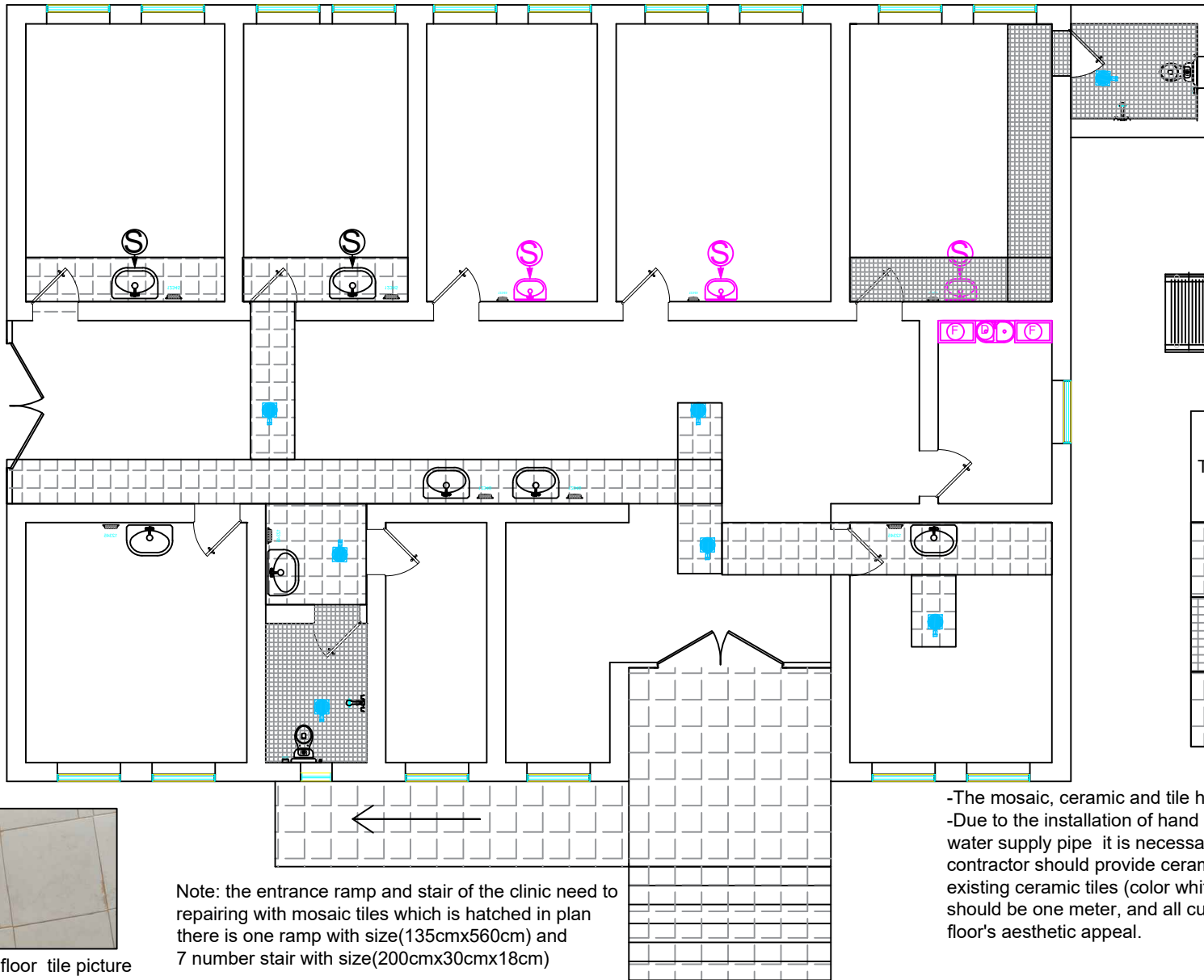
TABLE OF CONTENT	
1	New Solar power system for water pump
2	Main clinic building
3	New 1500liter-horizontal water tank(high-density polyethylene 5layer tank)
4	New sun water Boiler 200lit
5	New 500 liter-horizontal water tank (high-density polyethylene 5 layer Tank) with stand for sun boiler
6	New toilet &bath for delivery room (2x1.5m)
7	New 1000liter-horizontal water tank(high-density polyethylene 5layer tank) for toilet
8	Existing male toilets need to connect to new water tank, and installation ramp and railing in entrance door
9	Existing female toilets need to connect to new water tank, and installation ramp and railing in entrance door
10	New septic tank for existing male and female toilets
11	New drain dug well for new septic tank
12	Generator Room
13	New bore-well with depth of 40m
14	Existed septic tank need to evacuation & cleaning, 5cm thick PCC cover on top of septic tank slab and connect to new drain well
15	New drain dug well for existing septic tank
16	Guard room
17	New hand washing station
18	existing waste management system Note:Waste management is not functional because incinerator has many crack and all pits (sharp pit, placenta pit and incinerator pit) is full need to reconstruction there is no any boundary fence around waste management area so it causes spread of clinical disease. The location of new waste management will determine during the construction phase with consultation from the site engineer and the clinic staff



	TASK & RESPONSIBILITIES		DATE		PROVINCE	Herat	SCALE	1:200	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Site plan
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
	REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
	APPROVED BY	Simon Wankuru	-							



	TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Herat	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Main plan
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
	REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
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Clinic floor tile picture

Note: the entrance ramp and stair of the clinic need to repairing with mosaic tiles which is hatched in plan there is one ramp with size(135cmx560cm) and 7 number stair with size(200cmx30cmx18cm)

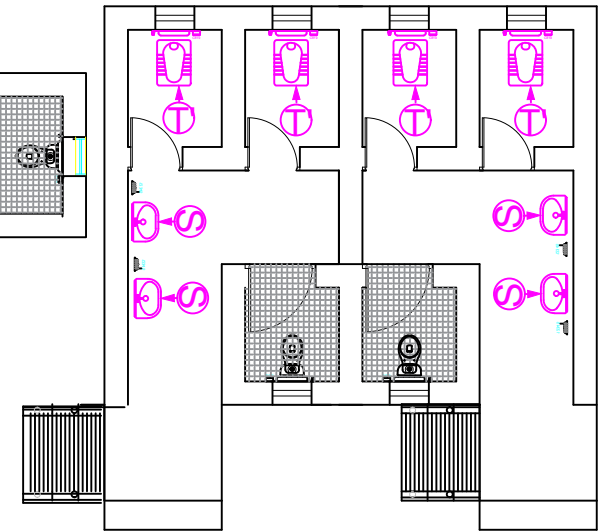


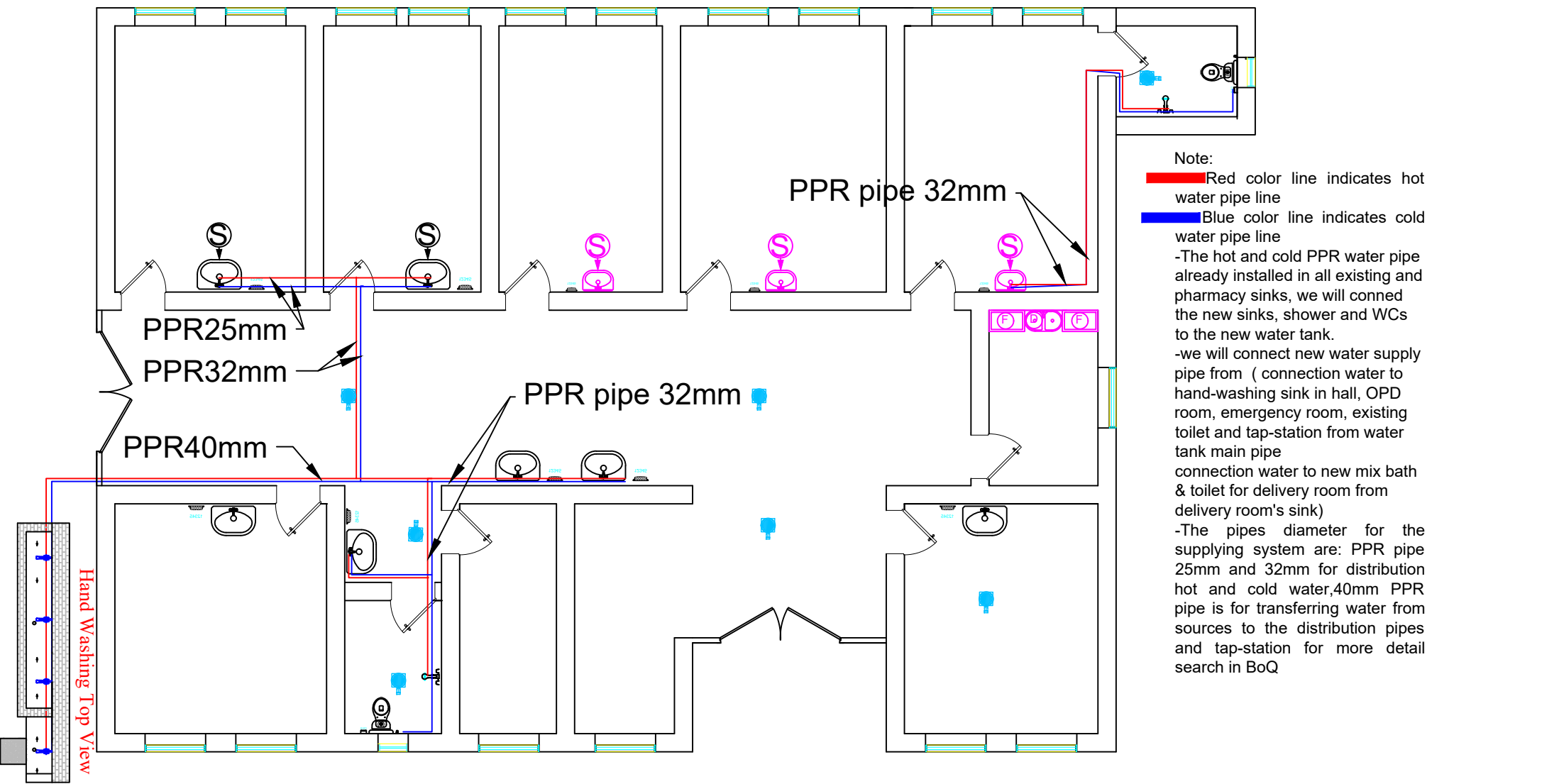
TABLE OF CONTENT FOR Tile and ceramic PLAN

	New ceramic planed area
	New Tile planed area
	New mosaic planed area

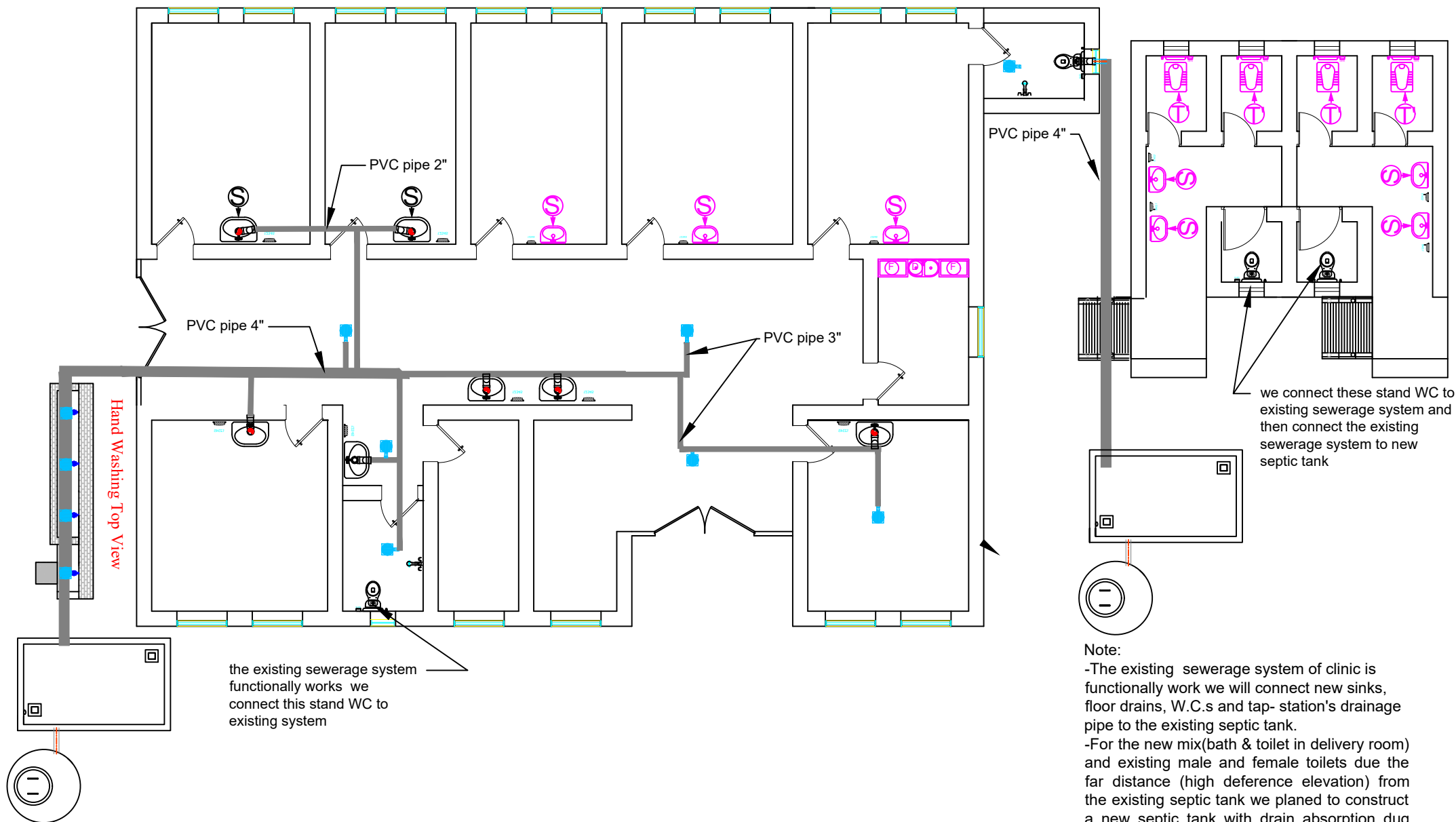
-The mosaic, ceramic and tile hatched areas are under plan to be install
 -Due to the installation of hand washing sinks, floor drains and connection the water supply pipe it is necessary to demolish the existing ceramic floor. The contractor should provide ceramic tiles that match the exact size and color of the existing ceramic tiles (color white, 30x30 cm). The maximum demolition width should be one meter, and all cuts should be made in a direct line to maintain the floor's aesthetic appeal.

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SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Tile& Ceramic plan
DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
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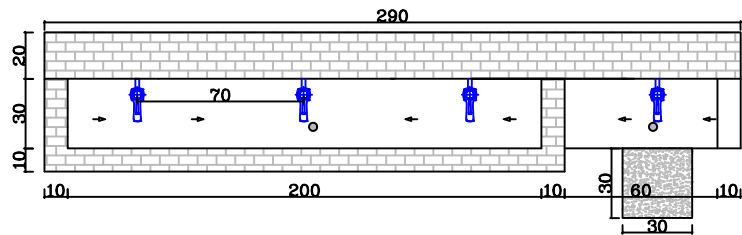
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	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Water supply plan
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
	REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
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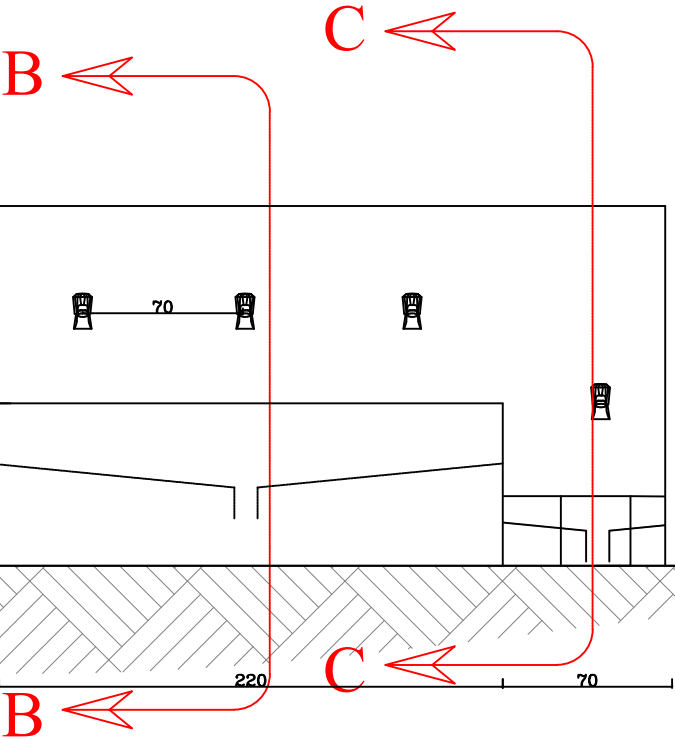
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SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	WASTE WATER DRAINAGE
DRAWN BY	M.ismael	16-8-2024	6 10	HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	33° 53' 59.553"
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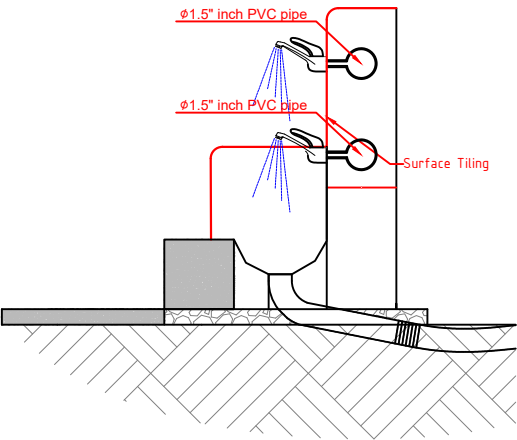
Hand Washing Top View



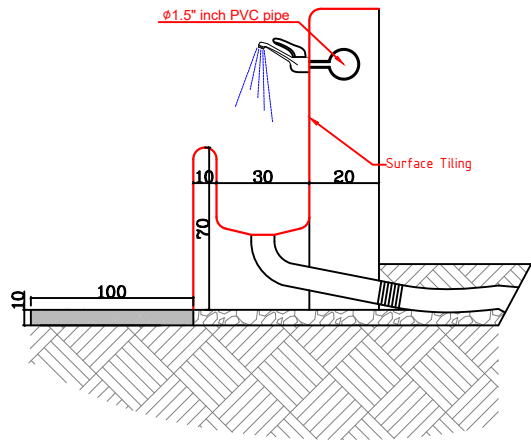
Front View



Section C-C

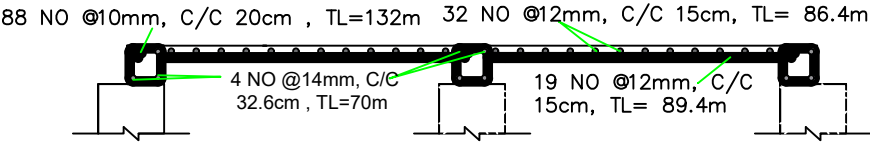


Section B-B

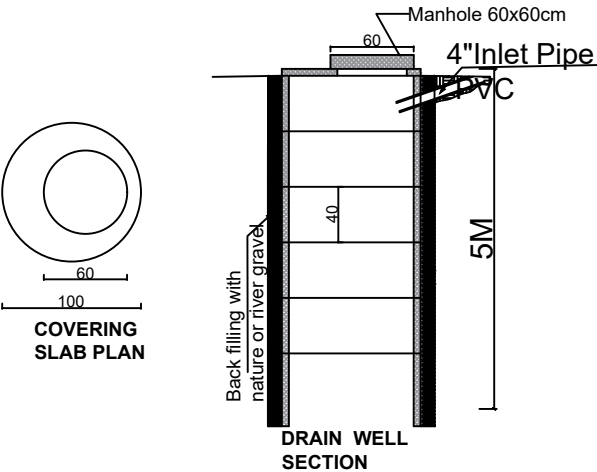
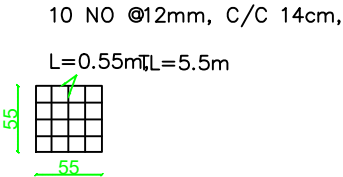


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	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Tap-Station
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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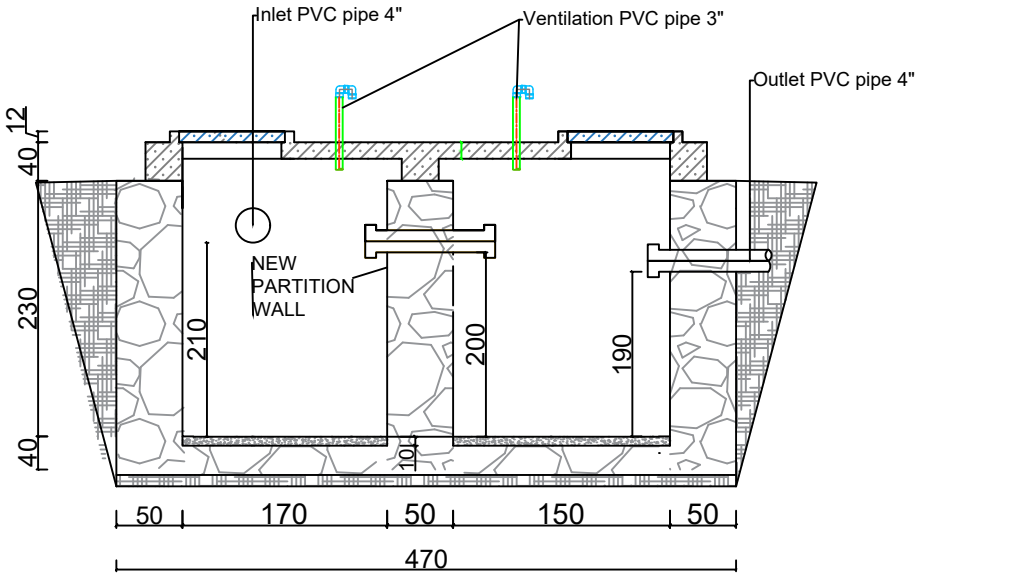
Note:
-New septic tank structure with two drain pits
one for existing septic tank and other for new
septic tank will construct



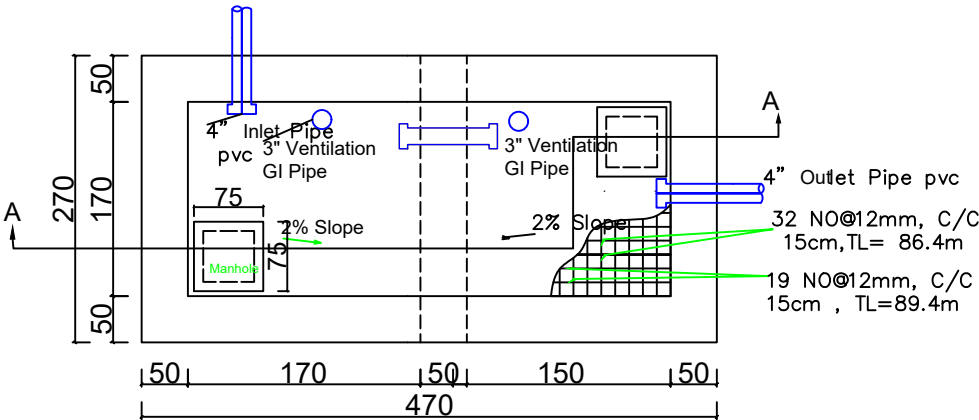
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL



NEW DRAIN WELL FOR SEWERAGE SYSTEM

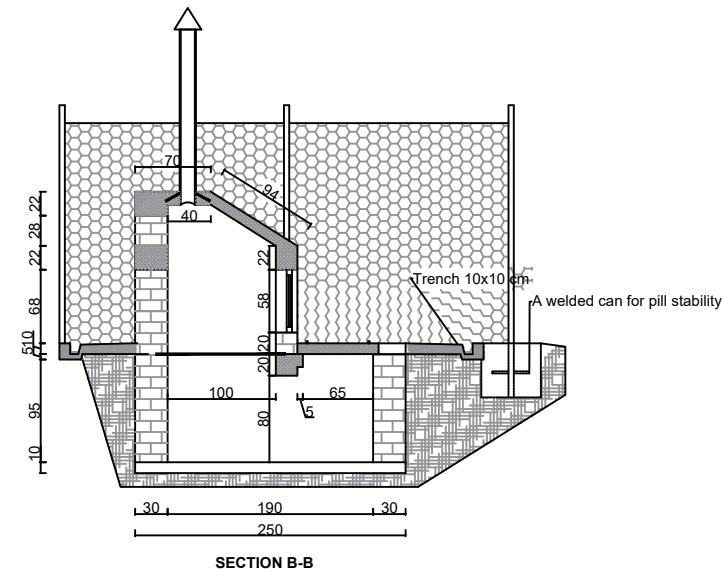
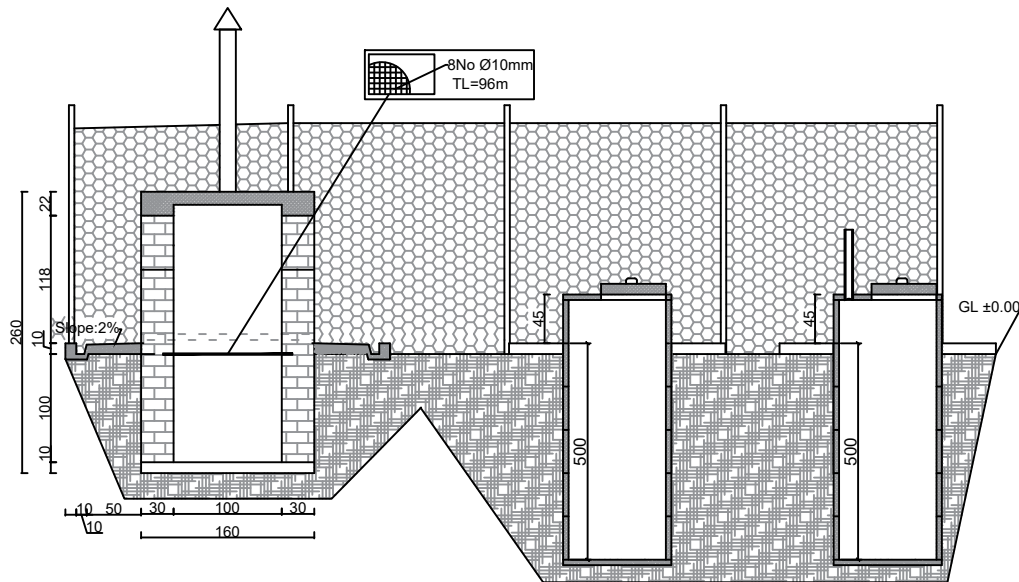
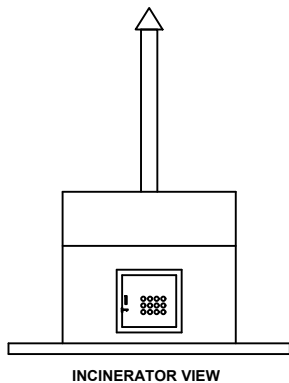


SEPTIC TANK SECTION A-A

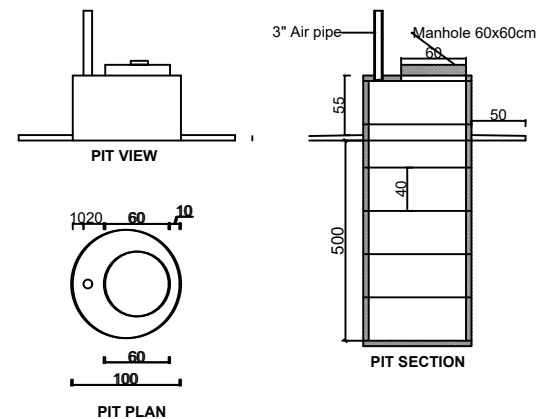
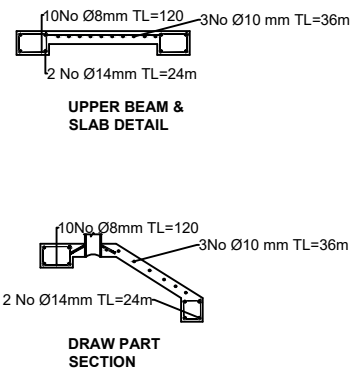
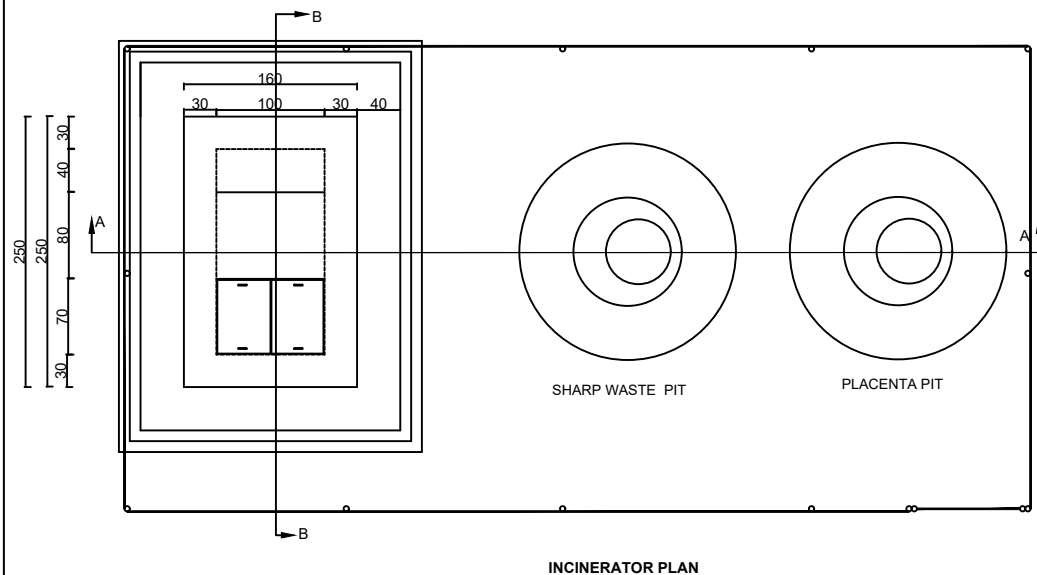


NEW SEPTIC TANK PLAN

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	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Wast management
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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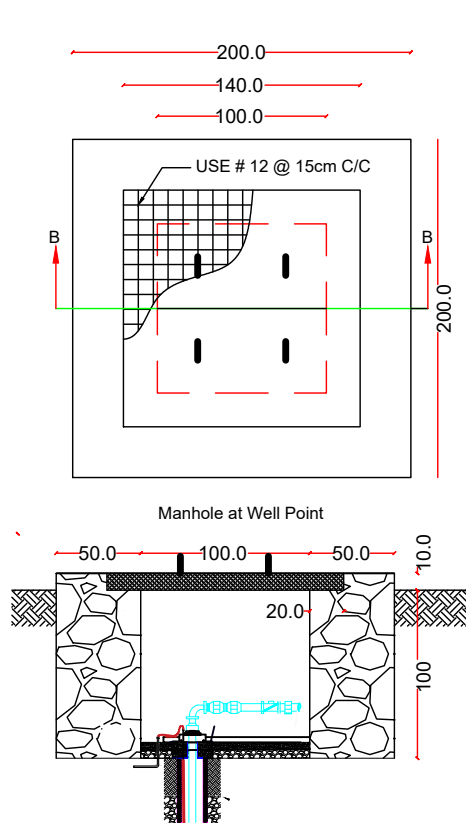
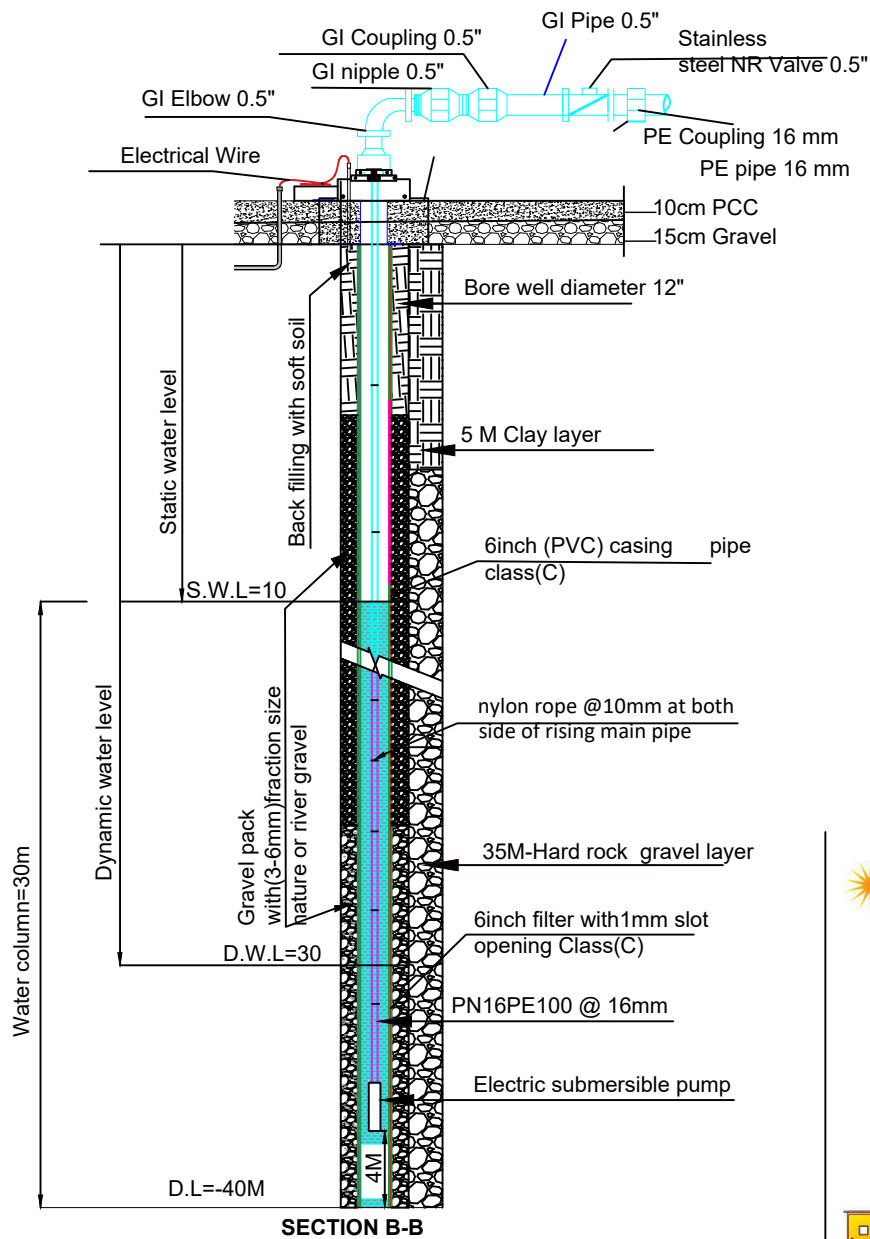
SECTION A-A



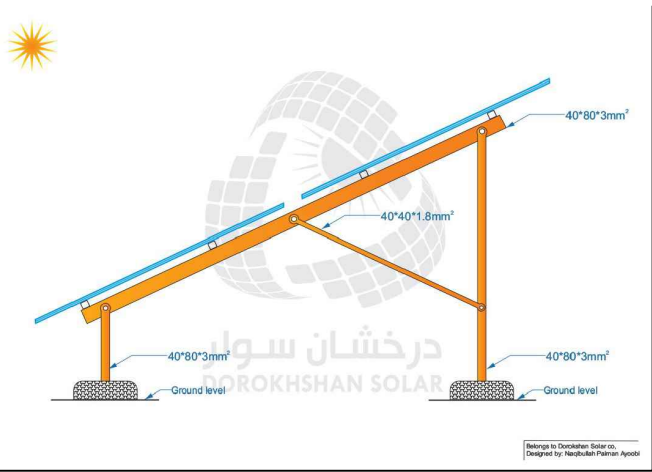
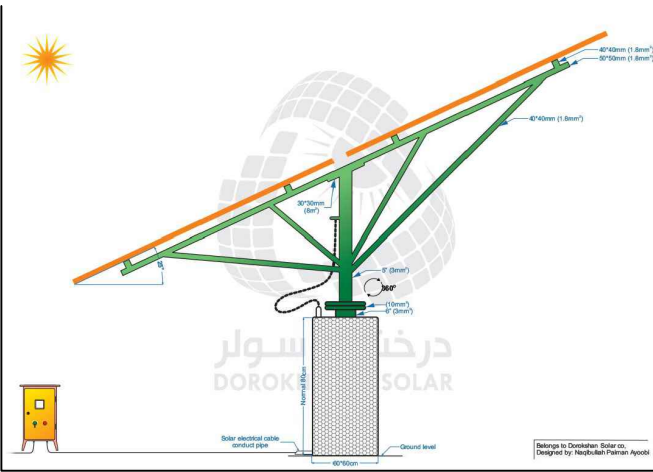
Note:
-The location of new waste management will determine during the construction phase with consultation from the site engineer and the clinic staff

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SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Wast management
DRAWN BY	M.ismael	16-8-2024	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border-top: 1px solid black; border-bottom: 1px solid black; width: 10px; height: 10px; margin: 0 auto;"></div> </div>	HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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- NOTE:
1. We found that the clinic doesn't have any water source so we considered a bore well structure with depth of 40m
 2. the HCF Solar panel array box made of (L,T& Can) profiles for more specifications refers to BoQ & solar design
 3. Number of solar in the array is also refers to BoQ & solar design
 4. Type of solar specified in BoQ & solar design
 5. Price of solar and array boundary is also specified in BoQ



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	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	bore well section
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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