



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:

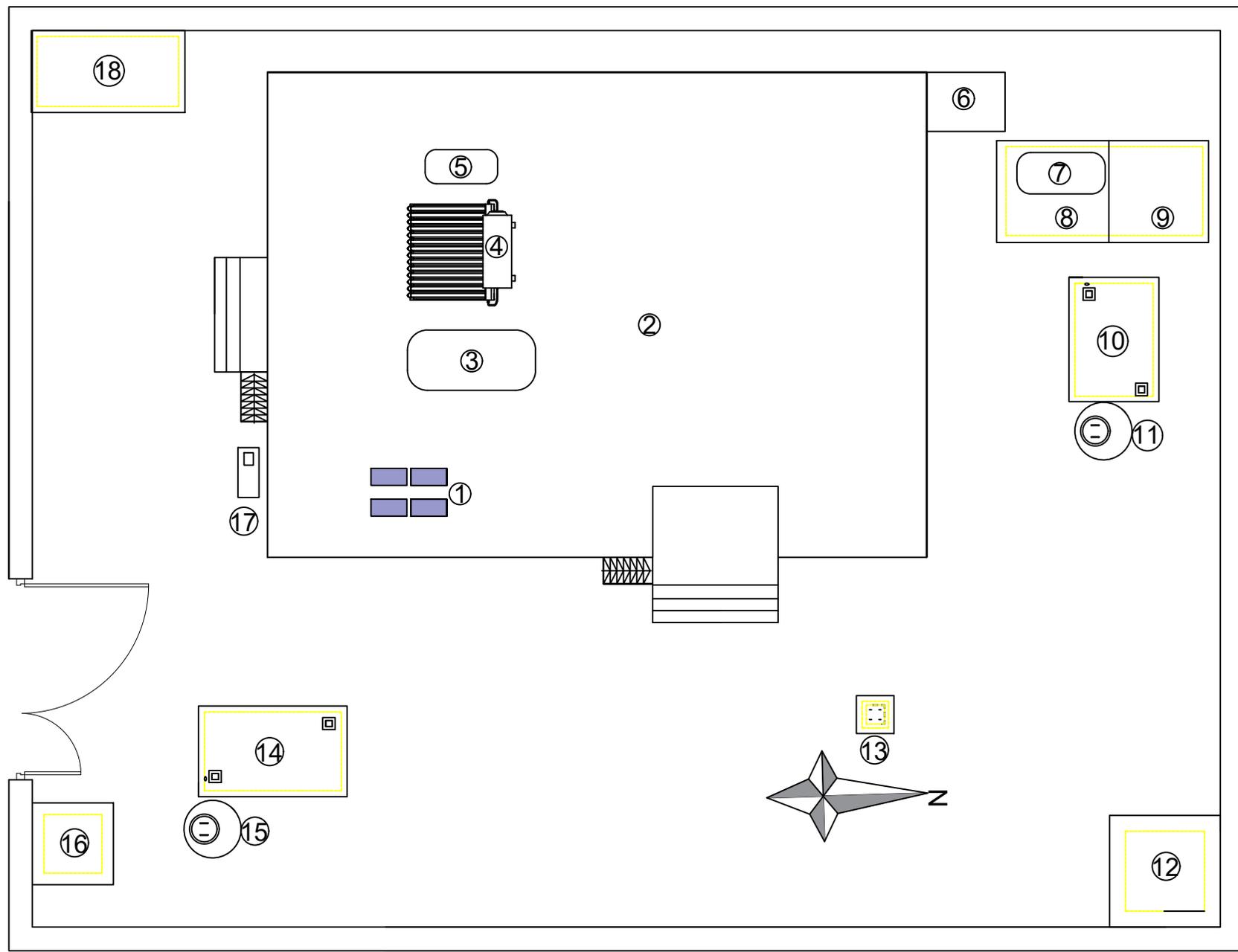
- Construction a bore well in the clinic site by depth of 40m to prepare safe & clean water for the clinic
- Installation of the sinks in (OPD room, vaccination room, emergency ward, pharmacy room and Hall) for hand washing facility
- Construction of one mix flash toilets & bath with all needed material 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		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 toilettes
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 & RESPOSIBILITIES		DATE	NO OF PAGES	PROVINCE	Herat	SCALE	1:200	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
	SURVEYED BY	Zalal, Farjad	30-July-2024			DISTRICT	Farsi	START DATE	----	DRAWING TYPE
	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	-							

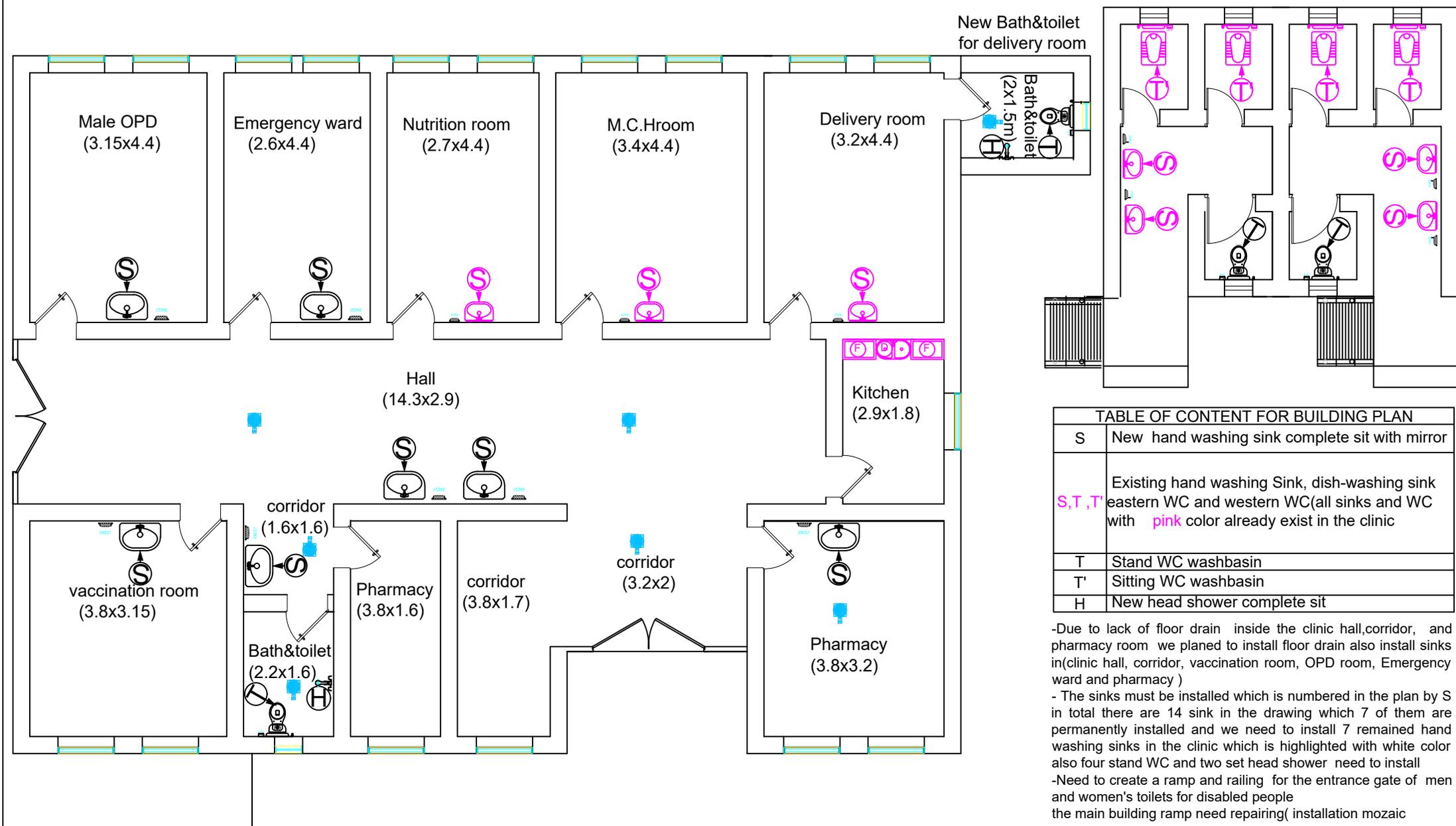


TABLE OF CONTENT FOR BUILDING PLAN	
S	New hand washing sink complete sit with mirror
S, T, T'	Existing hand washing Sink, dish-washing sink eastern WC and western WC (all sinks and WC with pink color already exist in the clinic)
T	Stand WC washbasin
T'	Sitting WC washbasin
H	New head shower complete sit

-Due to lack of floor drain inside the clinic hall, corridor, and pharmacy room we planned to install floor drain also install sinks in (clinic hall, corridor, vaccination room, OPD room, Emergency ward and pharmacy)

- The sinks must be installed which is numbered in the plan by S in total there are 14 sinks in the drawing which 7 of them are permanently installed and we need to install 7 remained hand washing sinks in the clinic which are highlighted with white color also four stand WCs and two set head showers need to be installed

-Need to create a ramp and railing for the entrance gate of men and women's toilets for disabled people

the main building ramp needs repairing (installation mosaic)

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	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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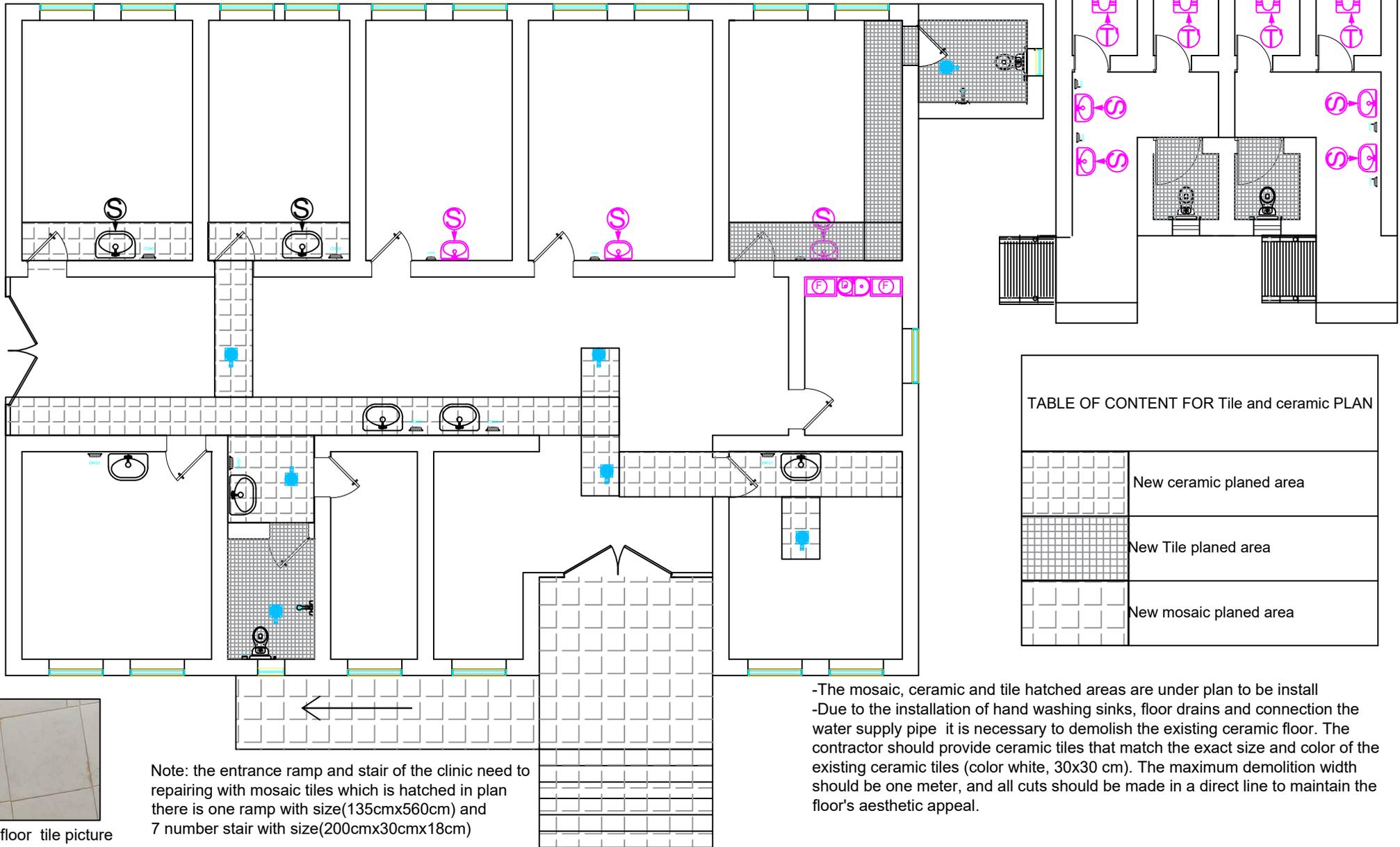


TABLE OF CONTENT FOR Tile and ceramic PLAN

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

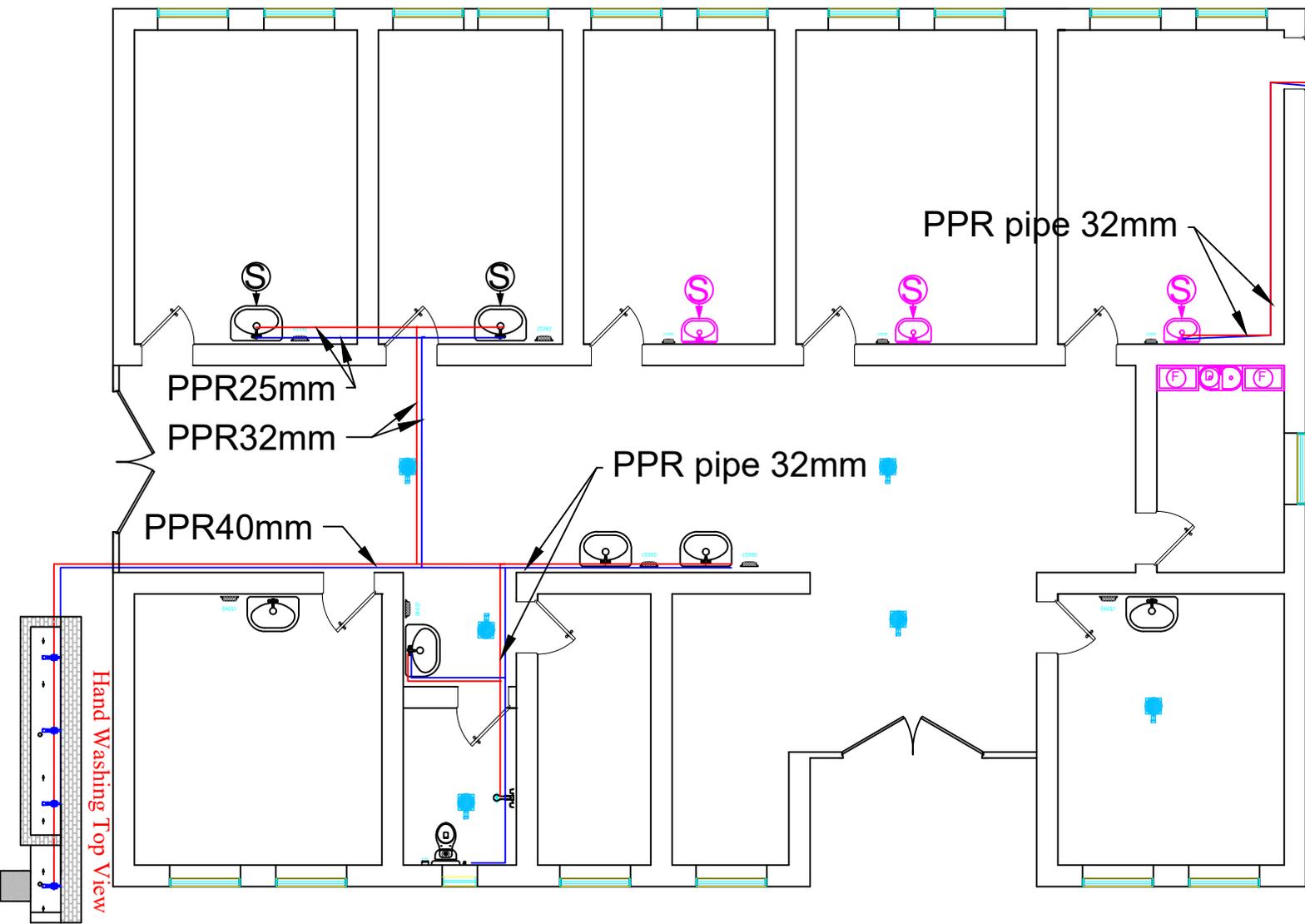


Clinic floor tile picture

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)

-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.

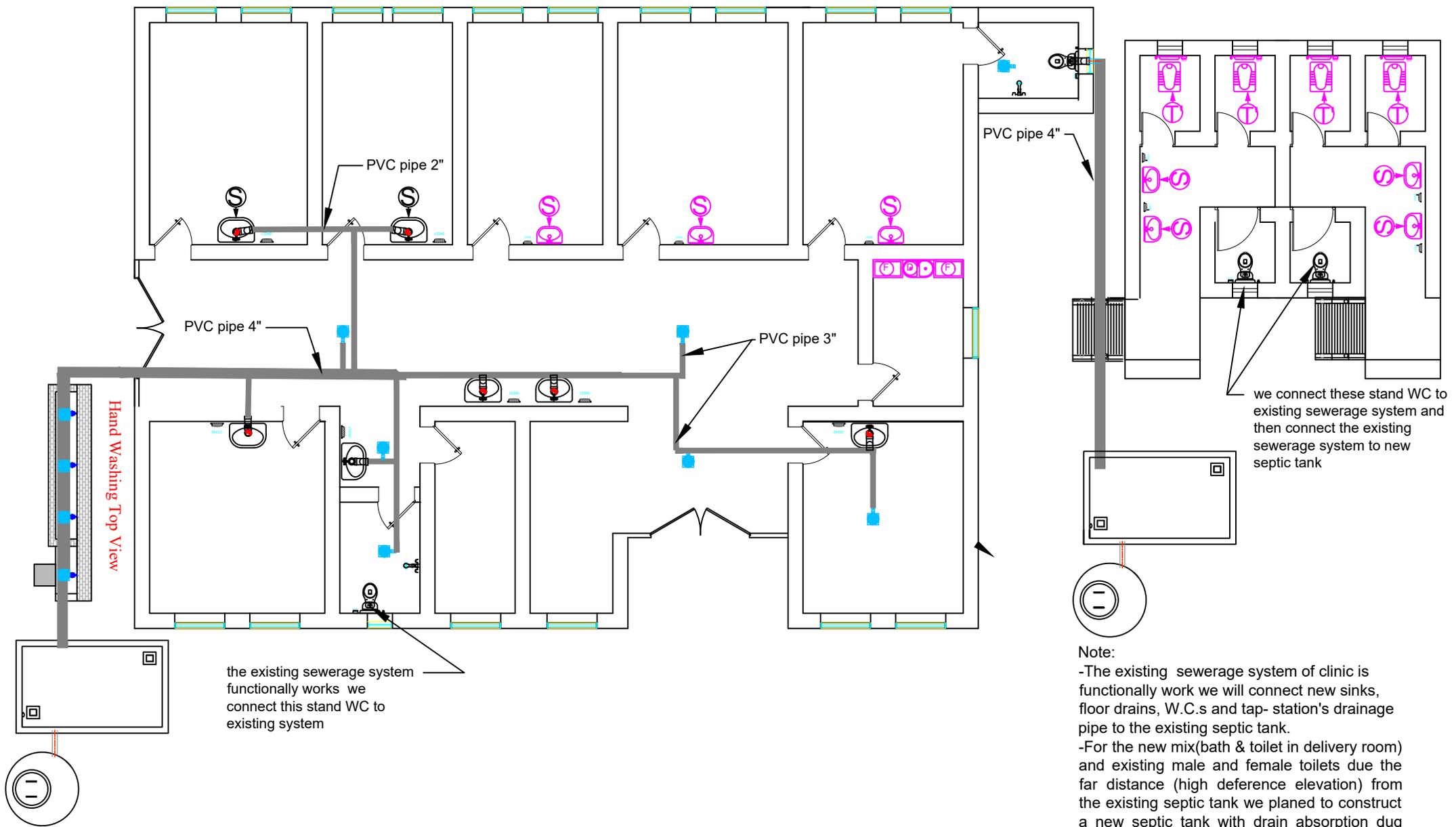
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	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Tile& Ceramic plan
	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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Note:

- █ Red color line indicates hot water pipe line
- █ Blue color line indicates cold water pipe line
- The hot and cold PPR water pipe already installed in all existing and pharmacy sinks, we will connect the new sinks, shower and WCs to the new water tank.
- we will connect new water supply pipe from (connection water to hand-washing sink in hall, OPD room, emergency room, existing toilet and tap-station from water tank main pipe connection water to new mix bath & toilet for delivery room from delivery room's sink)
- The pipes diameter for the supplying system are: PPR pipe 25mm and 32mm for distribution hot and cold water, 40mm PPR pipe is for transferring water from sources to the distribution pipes and tap-station for more detail search in BoQ

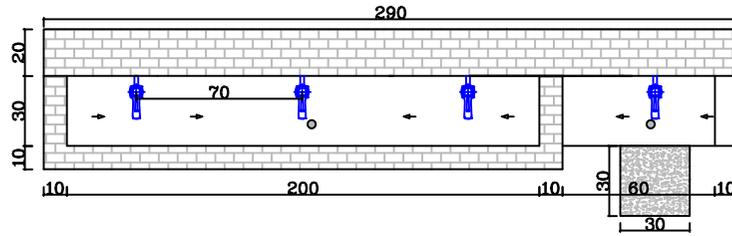
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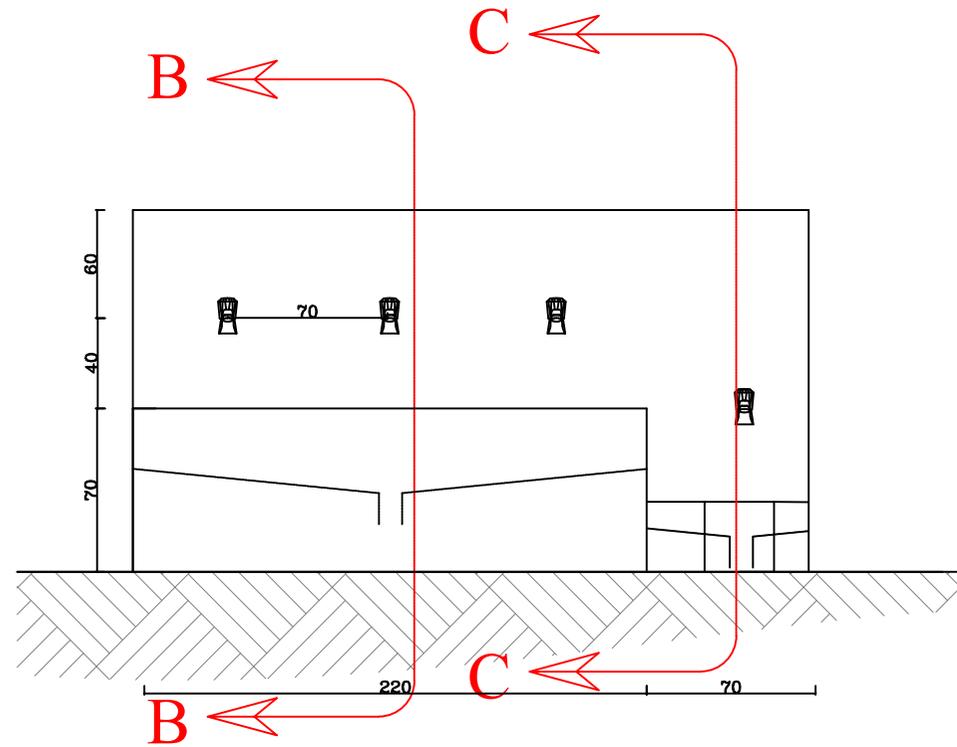
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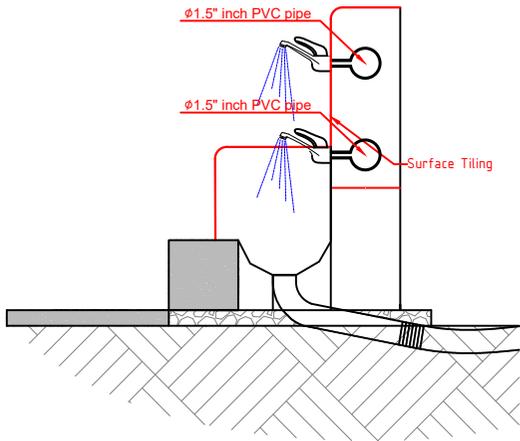
Hand Washing Top View



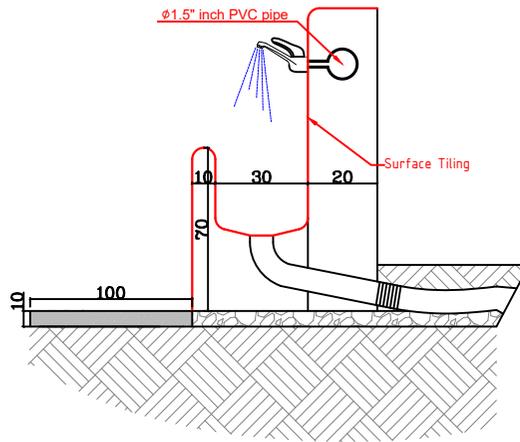
Front View



Section C-C

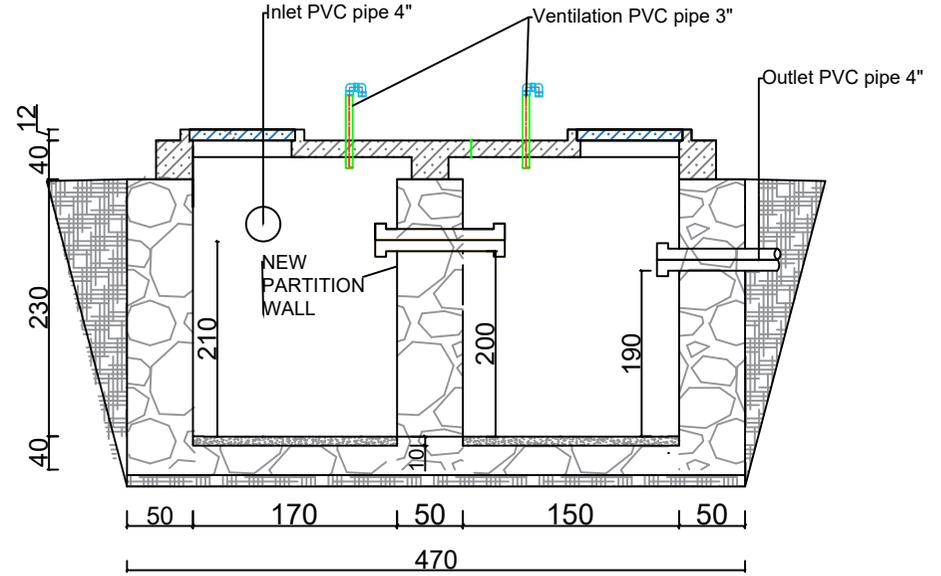
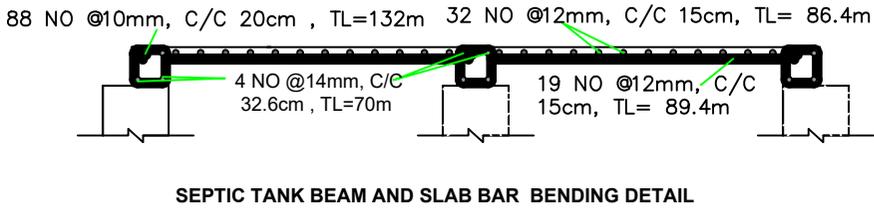


Section B-B

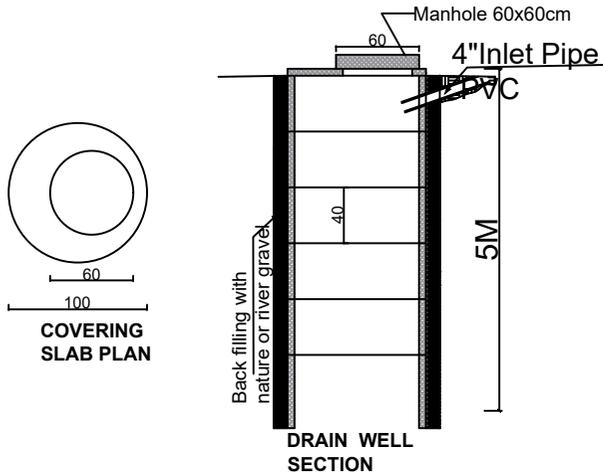


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	DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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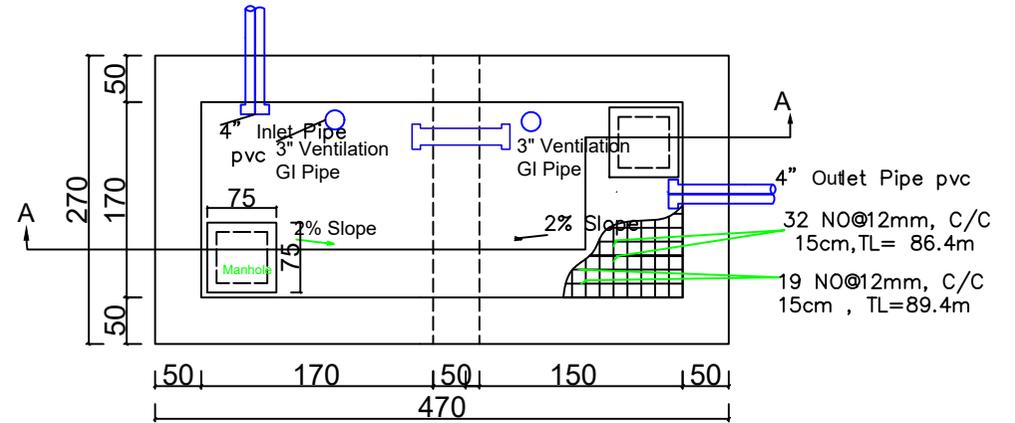
Note:
 -New septic tank structure with two drain pits
 one for existing septic tank and other for new
 septic tank will construct



SEPTIC TANK SECTION A-A



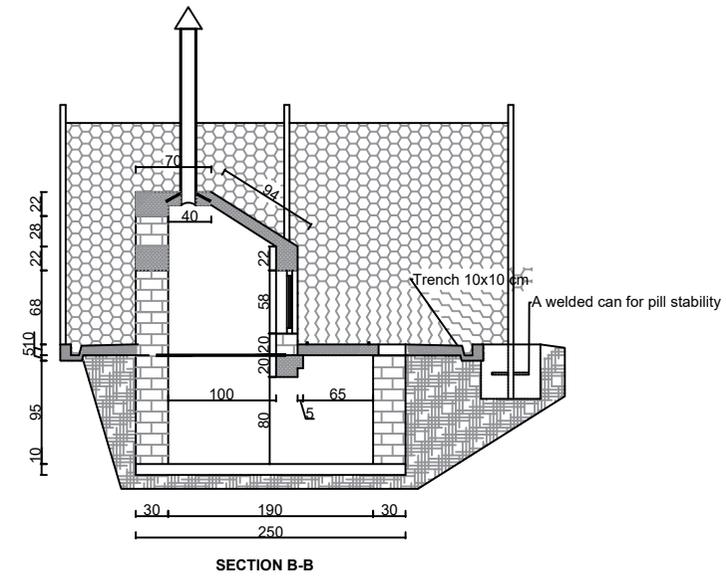
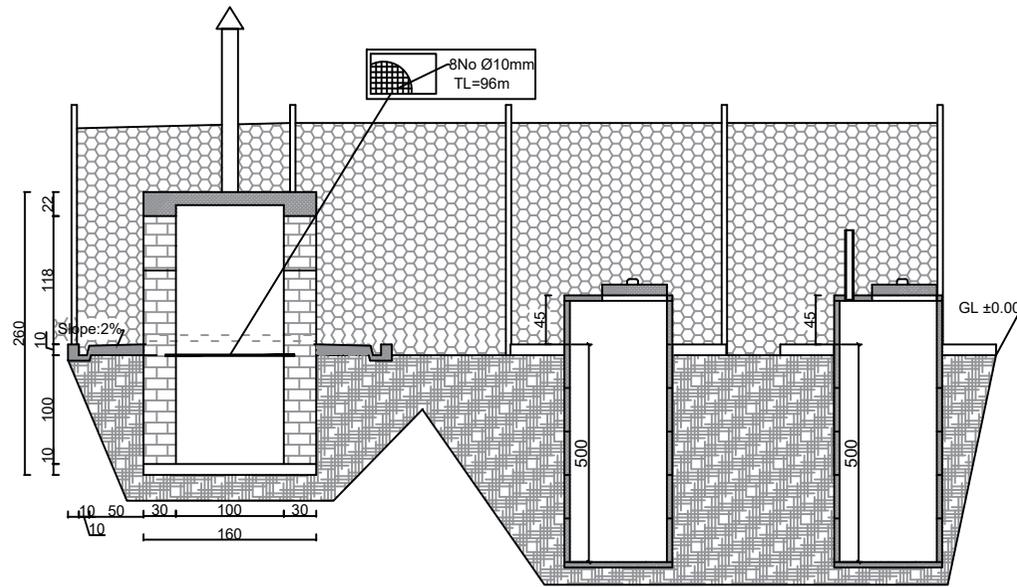
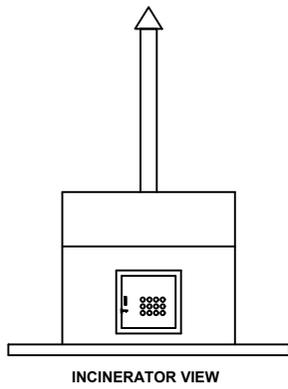
NEW DRAIN WELL FOR SEWERAGE SYSTEM



NEW SEPTIC TANK PLAN

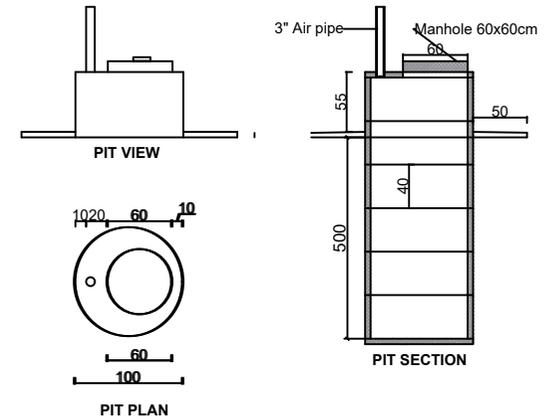
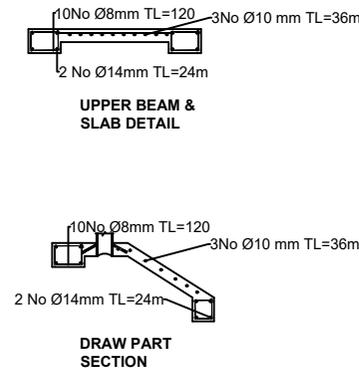
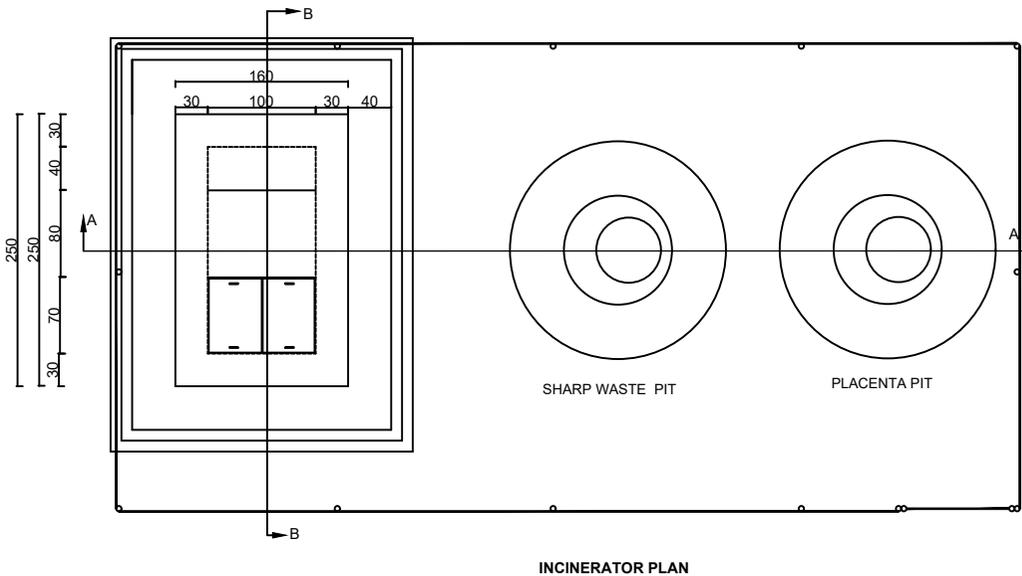


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SECTION A-A

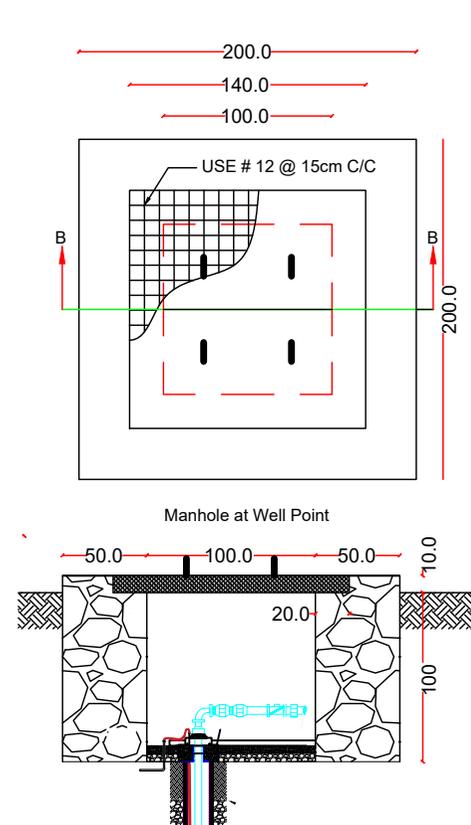
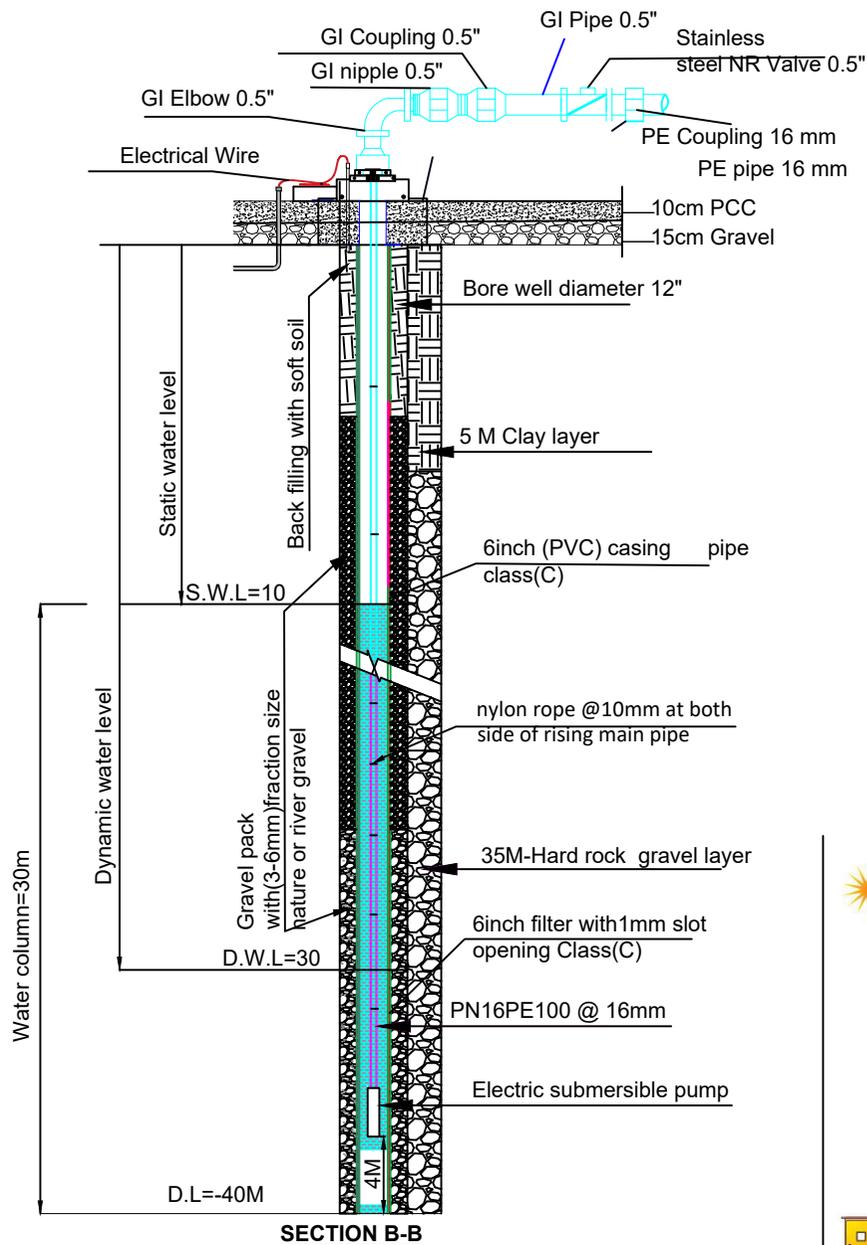
SECTION B-B



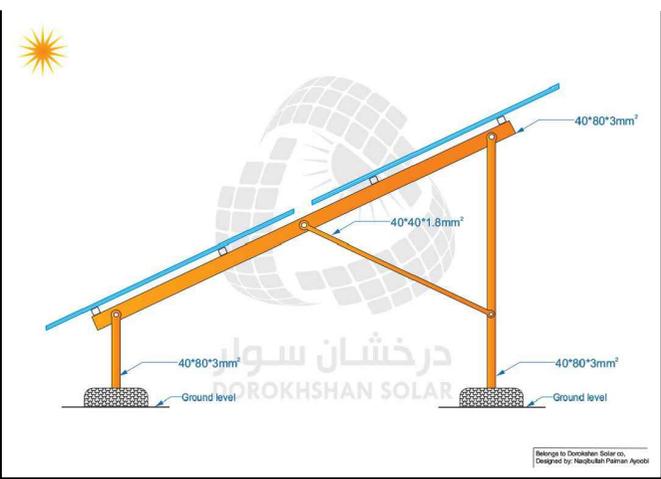
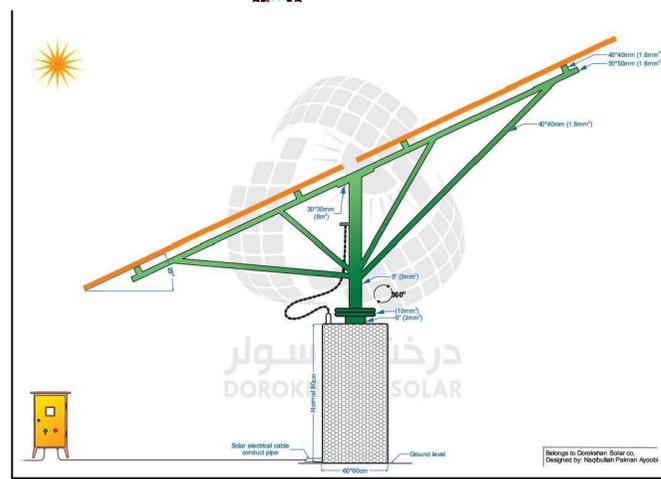
Note:
-The location of new waste management will determine during the construction phase with consultation from the site engineer and the clinic staff



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- 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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DRAWN BY	M.ismael	16-8-2024		HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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