

ARKH SHC



DRAWINGS



AS- BUILT & NEW STRUCTURES

HERAT, FARSI, AFGHANISTAN

Identified Gaps for Existing WASH Services in Arkh SHC:

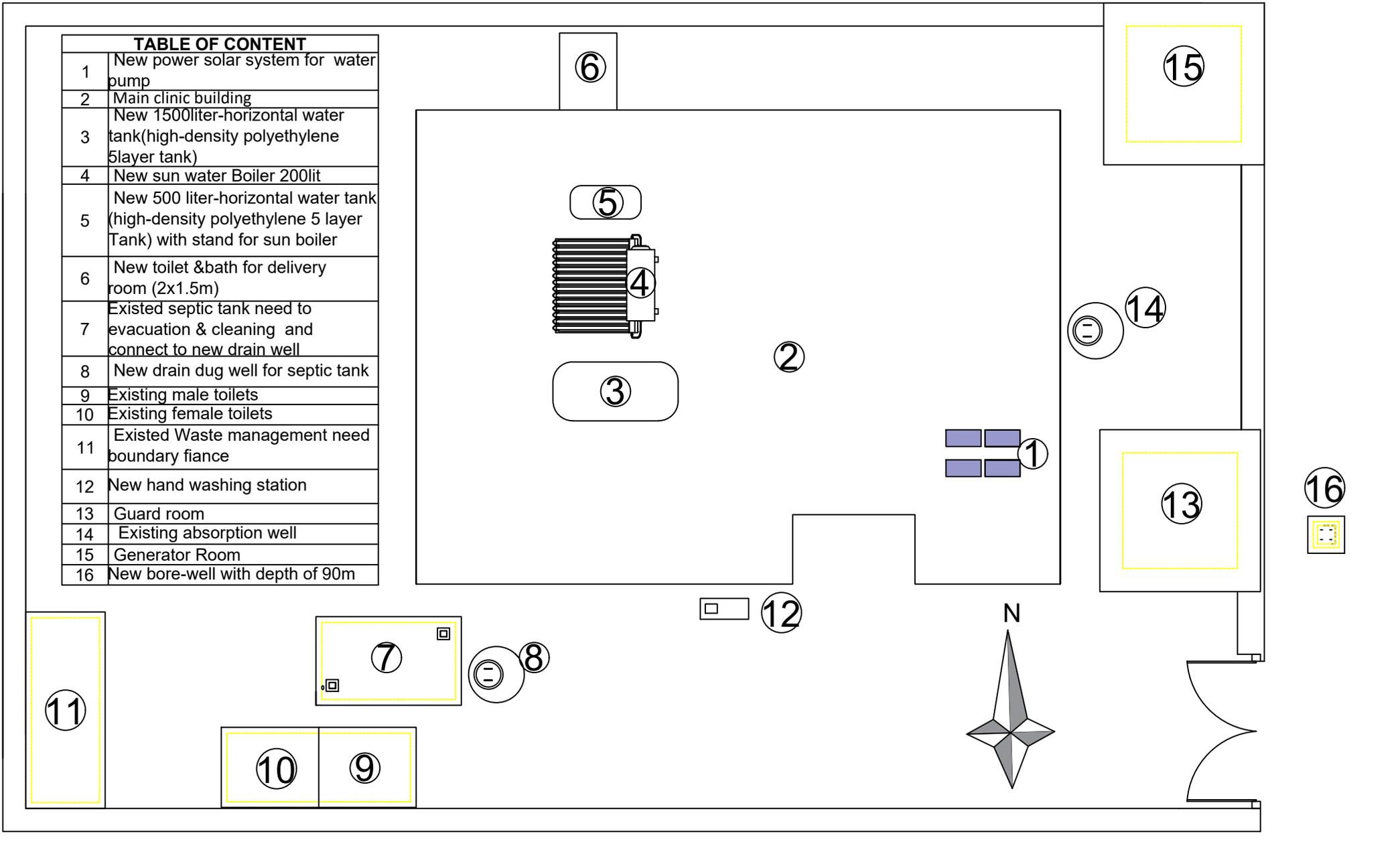
- Lack of any water source for this clinic
- Lack of wash floor drain in (kitchen, OPD room and clinic hall)
- Absence of hand washing facilities (sink) in (OPD room, hall) and clinic area.
- Need to new water Tanks (the existing water tank volume is not enough with low quality need to change) and insulation 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
- Absence of electricity system for the clinic (all rooms of clinic is without electricity)
- Some part of the building (OPD room, new mix bath & toilet for delivery room and Hall) have no water supply system and sewerage system
- Existed Waste management is without any boundary protection
- The delivery room has no bath and toilet adjacent to it.
- The exiting mix bath and toilet need upgrading

Solution:

- -Construction a bore well in the clinic site by depth of 90m to prepare safe & clean water for the clinic
- Installation of the sinks in (OPD room and Hall) for hand washing facility
- Construction of one mix flash toilets & bath with all needed material for delivery room
- Upgrading the existing mix toilet & bath for clinic staff (installation tiles, head shower and stand WC and connecting to water supply and sewerage system)
- Installation sewerage pipe and Floor Drain in (OPD room, hall, kitchen, toilet and bath) 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 clinic water supply system
- installation lights in clinic rooms, bath and toilets
- construction one public tap station in clinic area for location and details (drawing)
- installation of ceramic, cornice and tiles according to drawing
- installation lights in toilets and baths
- installation fence around existing waste management system.

	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 power solar 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	Existed septic tank need to evacuation & cleaning and connect to new drain well
8	New drain dug well for septic tank
9	Existing male toilets
10	Existing female toilets
11	Existed Waste management need boundary fiance
12	New hand washing station
13	Guard room
14	Existing absorption well
15	Generator Room
16	New bore-well with depth of 90m



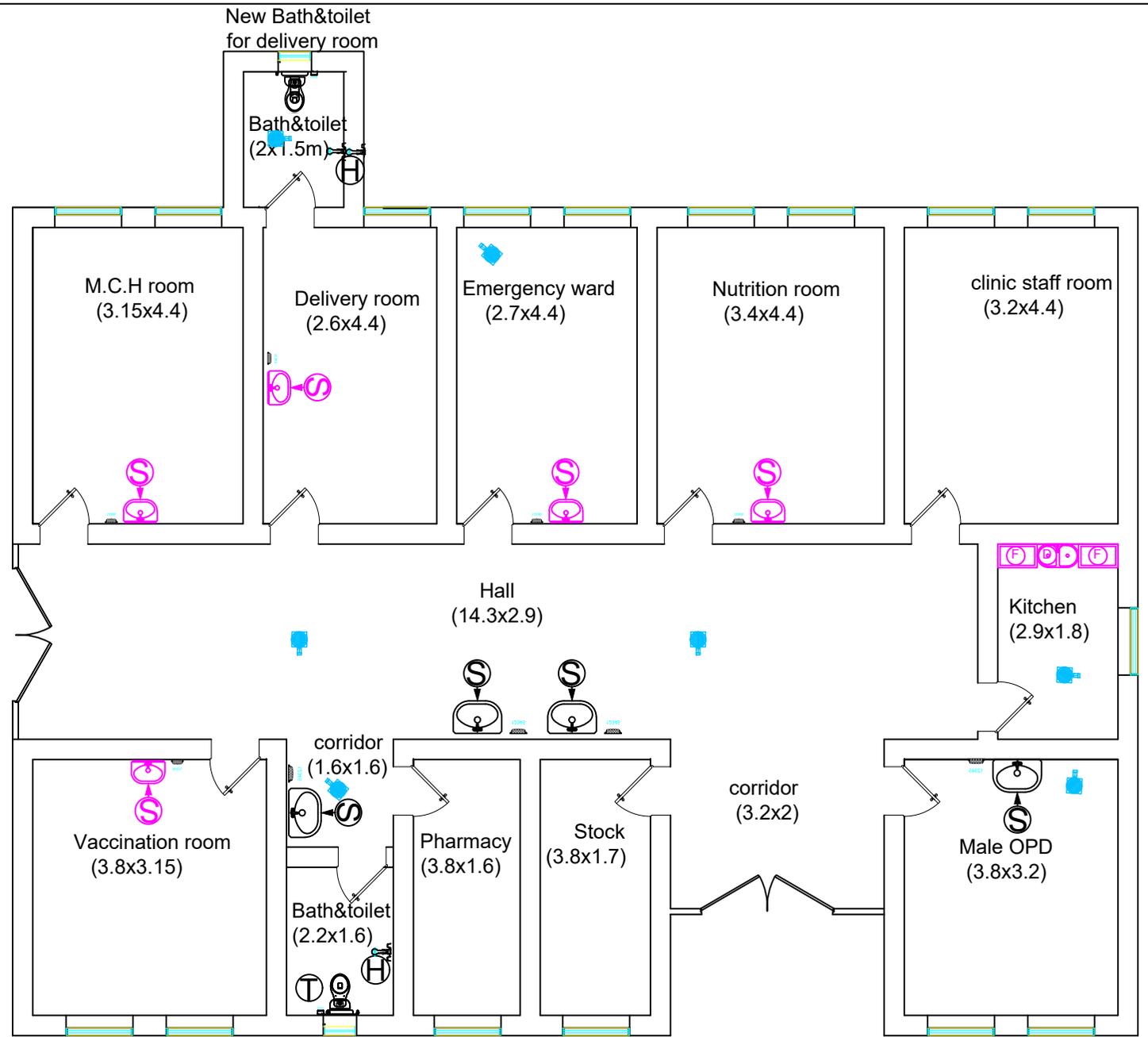
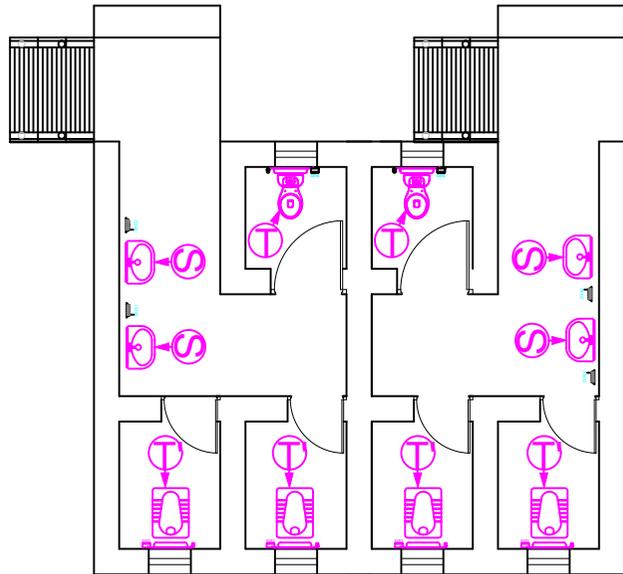
TASK & RESPOSIBILITIES		DATE	NO OF PAGES	PROVINCE	Herat	SCALE	1:200	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Zalal, Farjad	30-July-2024			DISTRICT	Farsi	START DATE	----	DRAWING TYPE
DRAWN BY	M.ismael	16-8-2024	HCF NAME		Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
REVIEWED BY	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, kitchen, OPD room and emergency room we planned to install floor drain and also install sinks in(clinic hall and OPD room)

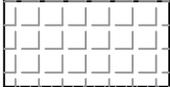
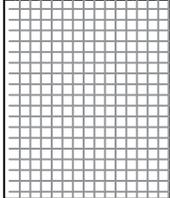
- The sinks must be installed which is numbered in the plan by S in total there are 13 sinks in the drawing which 9 of them are permanently installed and we need to install 4 remained hand washing sinks in the clinic which is highlighted with white color also two stand WC and two set head shower need to install

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



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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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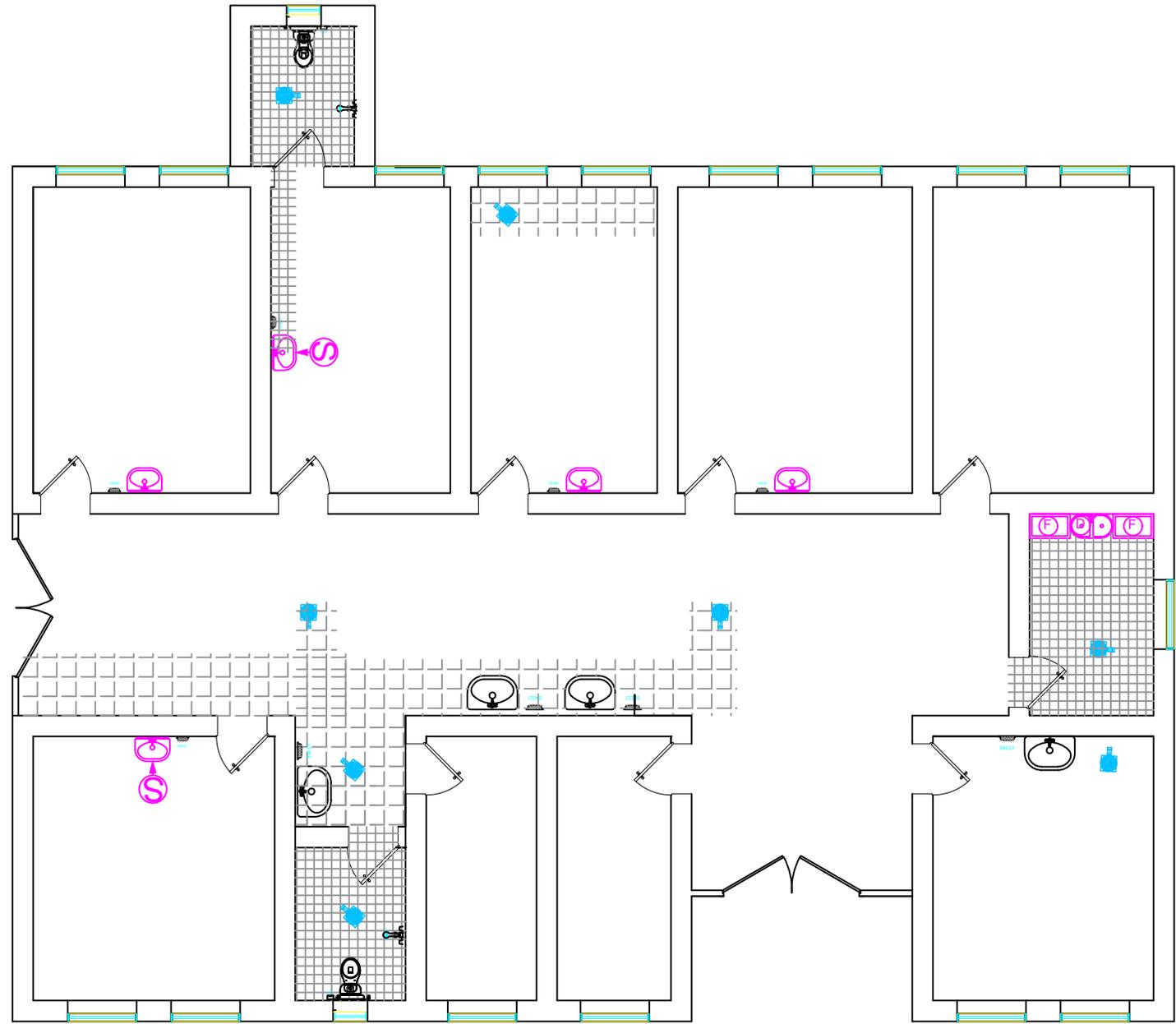
TABLE OF CONTENT FOR Tile and ceramic PLAN

	New ceramic planed area
	New Tile planed area

-The ceramic and tile hatched areas are under plan to be install ceramic and tile
 -Due to the installation of hand washing sinks(in OPD room and hall), floor drains(hall, emergency room kitchen and OPD room) and connection the water supply pipe (mix bath & toile in deliver room and tap-station), 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 (light brown, 40x40 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.

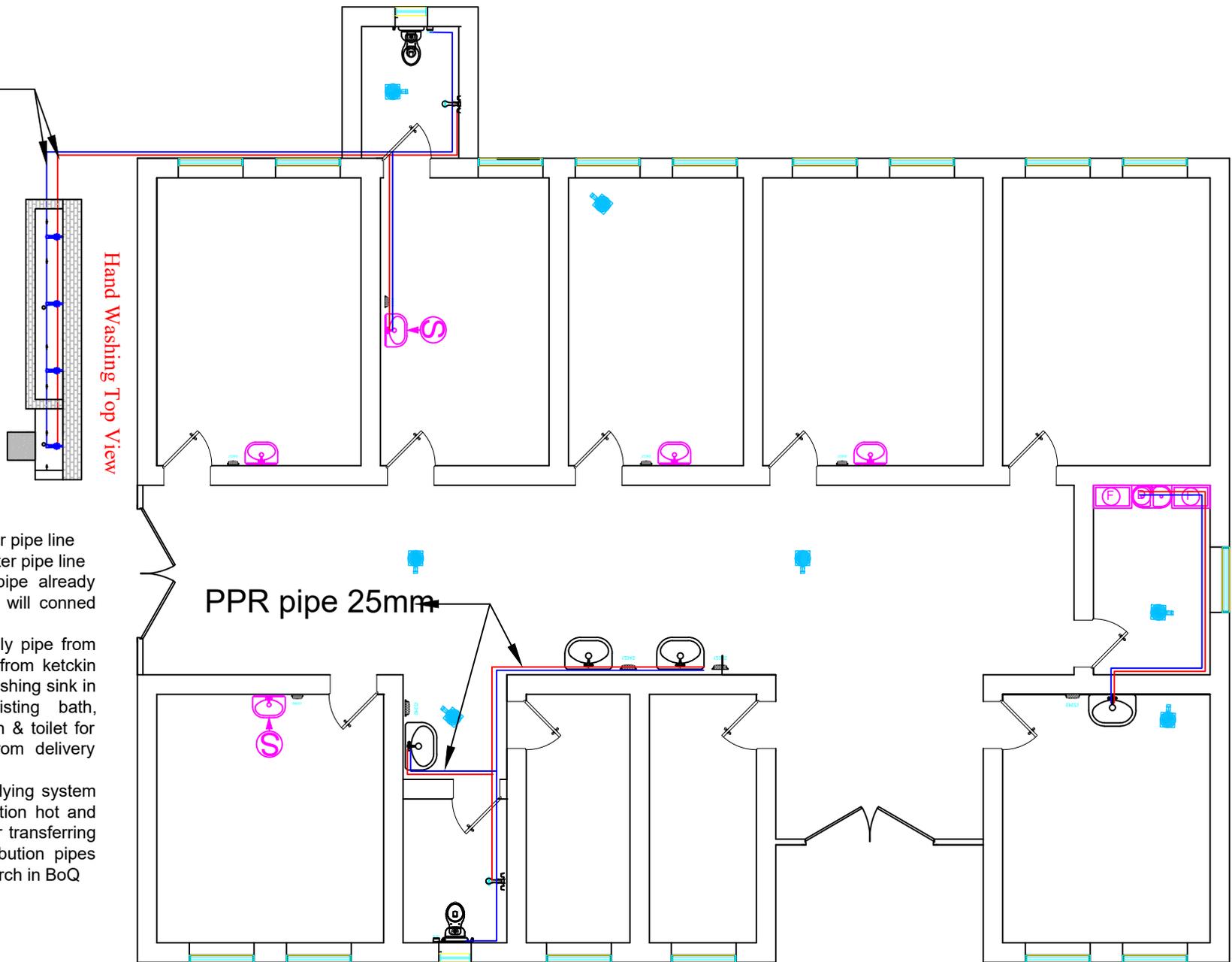


Clinic floor ceramic picture



	TASK & RESPONSIBILITIES		DATE		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	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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PPR pipe 32mm



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 sinks, shower and WCs, we will conned the new sinks, shower and WCs.
- we will connect new water supply pipe from (connection water to OPD room from ketckin sink, connection water to hand-washing sink in hall from water pipe of existing bath, connection water to new mix bath & toilet for delivery room and tap-station from delivery room's sink)
- The pipes diameter for the supplying system are: PPR pipe 25mm for distribution hot and cold water, 32mm PPR pipe is for transferring water from sources to the distribution pipes and tap-station for more detail search in BoQ



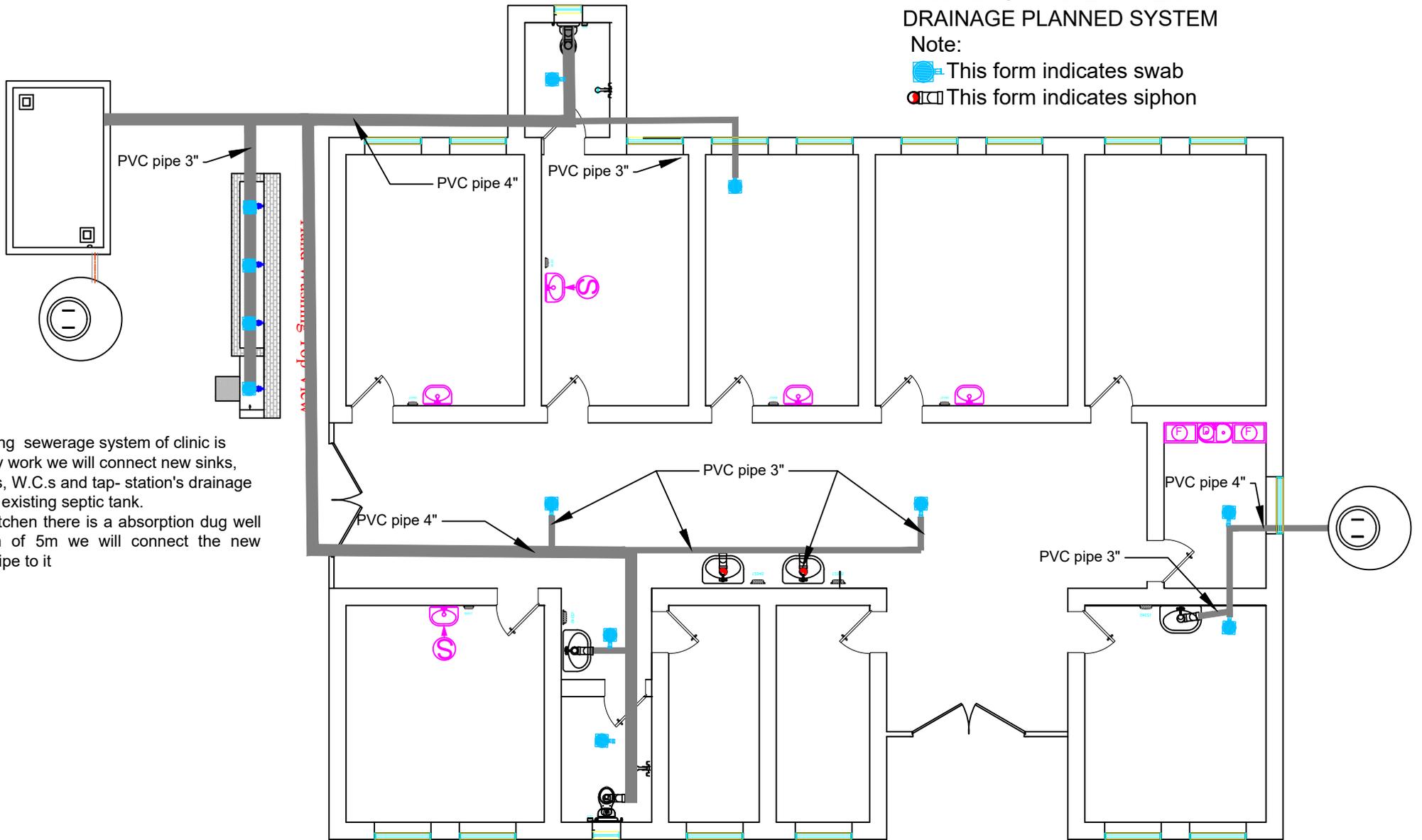
	TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Herat	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Zalal, Farjad	30-July-2024		DISTRICT	Farsi	START DATE	----	DRAWING TYPE	Water supply plan
	DRAWN BY	M.ismael	16-8-2024	HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11'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

ARKH SHC WASTE WATER DRAINAGE PLANNED SYSTEM

Note:

 This form indicates swab

 This form indicates siphon



Note:

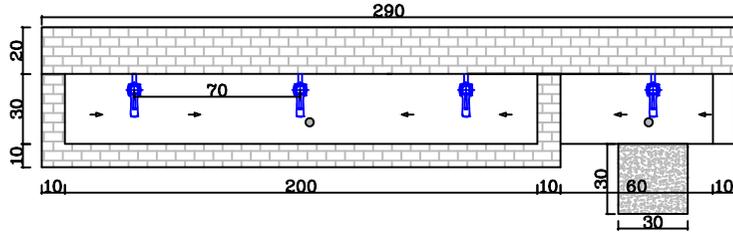
-The existing sewerage system of clinic is functionally work we will connect new sinks, floor drains, W.C.s and tap- station's drainage pipe to the existing septic tank.

-For the kitchen there is a absorption dug well with depth of 5m we will connect the new drainage pipe to it

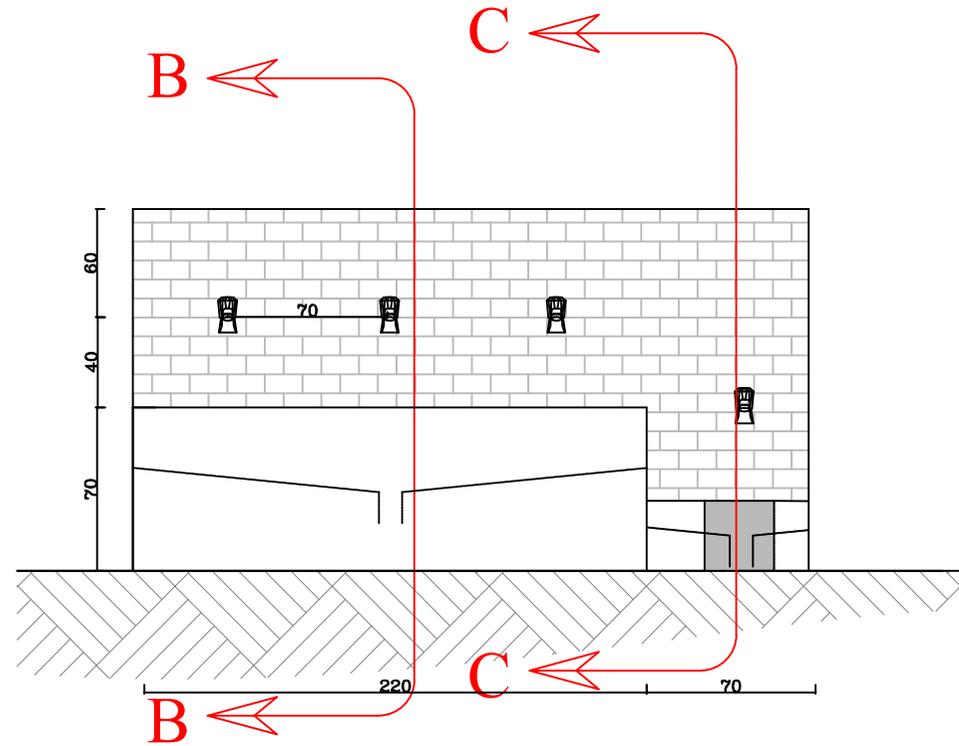


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	SURVEYED BY	Zalal, Farjad		30-July-2024	DISTRICT	Farsi	START DATE	----	DRAWING TYPE	WASTE WATER DRAINAGE
	DRAWN BY	M.ismael		16-8-2024	HCF NAME	Pay Hasar SHC	END DATE	----	E	63° 11' 48.814"
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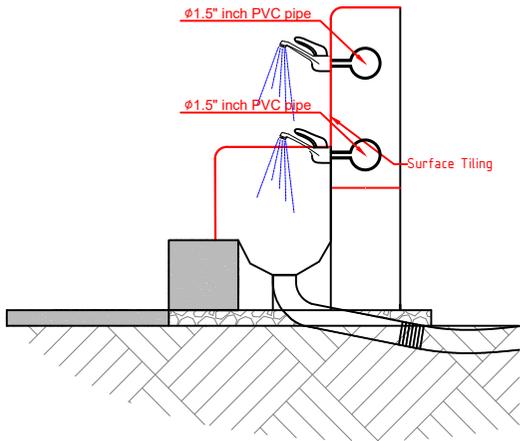
Hand Washing Top View



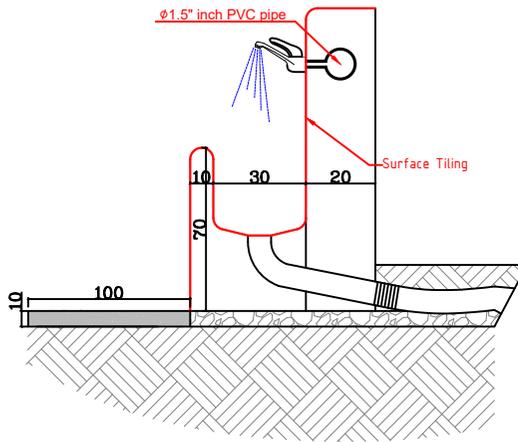
Front View



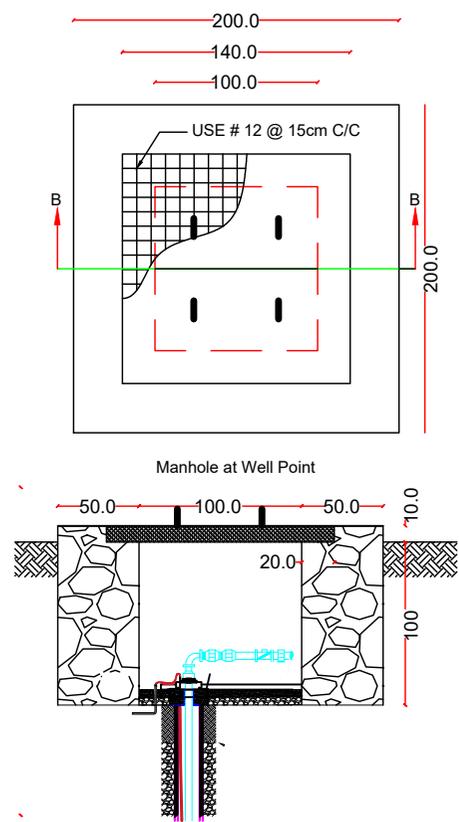
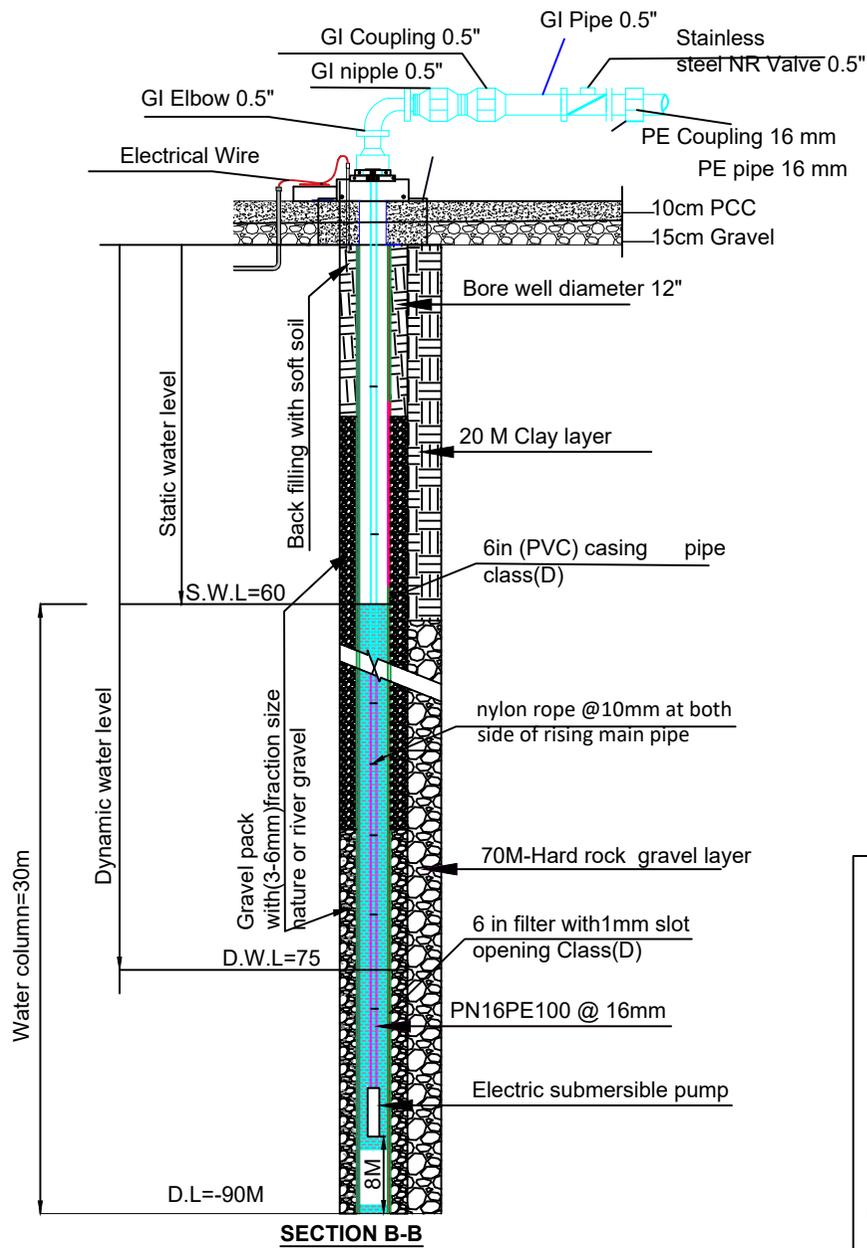
Section C-C



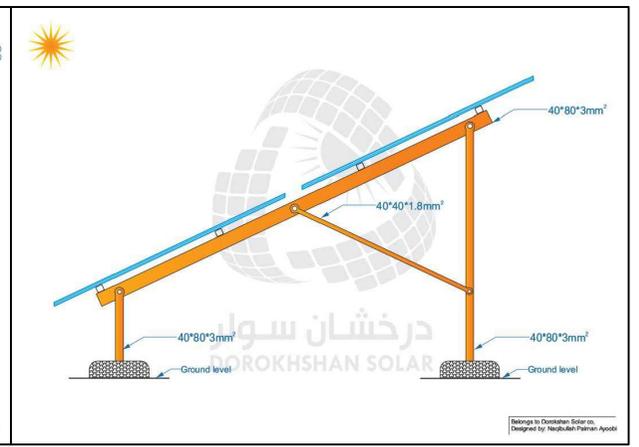
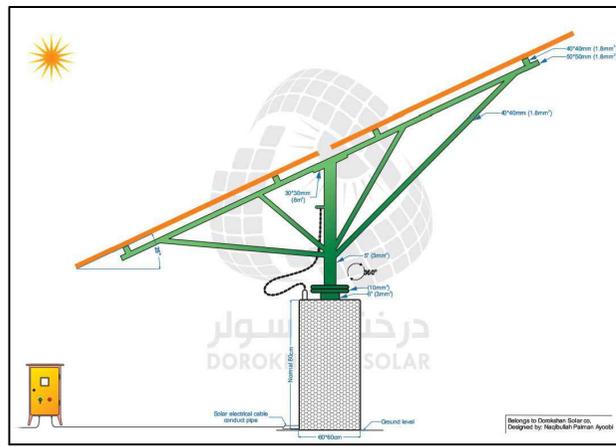
Section B-B



	TASK & RESPONSIBILITIES		DATE		PROVINCE	Herat	SCALE	1:100	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
	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:
1. We found that the clinic doesn't have any water source and they are providing their needed water from a public bore well by distance of 500m far away from the clinic (inside of Arkh bazar) so we considered a bore well structure with depth of 90m
 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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