



Khogyani BHC

DRAWINGS

AS- BUILT & NEW STRUCTURES

Gulran, Herat, AFGHANISTAN

Identified Gaps for Existing WASH Services in Khogyani Gulran BHC:

- 1- The building water supply is not functional but need to be connected to the water sources and the waste water system is not systematic, it need to be connected to the septic tank.
- 2- Water well is existed in the clinic and water reservoir is not sufficient for all component.
- 3- The building has water source but not working correctly and has leakage.
- 4- the main building doesn't have tiles and ceramic in the multiple rooms just one emergency room has.
- 5- all Toilets are not pour flashed toilets they are elevated pit latrine and for disable the both male and female toilets are damage all need for repairing.
- 6- The waste management system is not functional and need to be connect for new septic tank.
- 7- There is not a septic tank inside the clinic, the female toilet has elevated pit latrine, and male toilets has waste pit.

Solution:

- 1- 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
- 2- Construction of septic tank and soak away pit for waste water network, due to all the female toilets don't have any pit or septic tank to connect on that. all toilets, drain swap and sinks are connect to new septic tank.
- 3- we consider solar power system for new water pump and electricity for main and delivery building.
- 4- Installation of sinks and Floor Drains for the new bath room and existing toilets for hand washing facility.
- 5- repairing all toilets with new facilities, such as sink, new taps, waste pipe, water pipe (hot and cold), tiles.
- 6- consider two water reservoir with capacity of 2 and 3 cubic meter, one is in main building the other is in delivery building.
- 7- construction of fences for incinerator, ash, sharp, placenta pits.
- 8- consider for main building tiles and ceramic.
- 9- Construction of waste management structure in the clinic.

	TASK & RESPONSIBILITIES		DATE		PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Cover page
	SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024		DISTRICT	GULRAN	START DATE	15-07-2024	E	35.098016
	DROWN BY	ENG. MUSTAFA MUSLEH	15-07-2024		CLINIC	KHOGYANI	END DATE	15-07-2024	N	61.68512
	REVIEWED BY	ENG. OMID KHAIRY	17-07-2024		CLINIC TYPE	BHC	PROJECT TITLE	UPGRADING		
	APPROVED BY	SIMON WANKURU	17-07-2024							



Note:

All these component are existed in this BHC

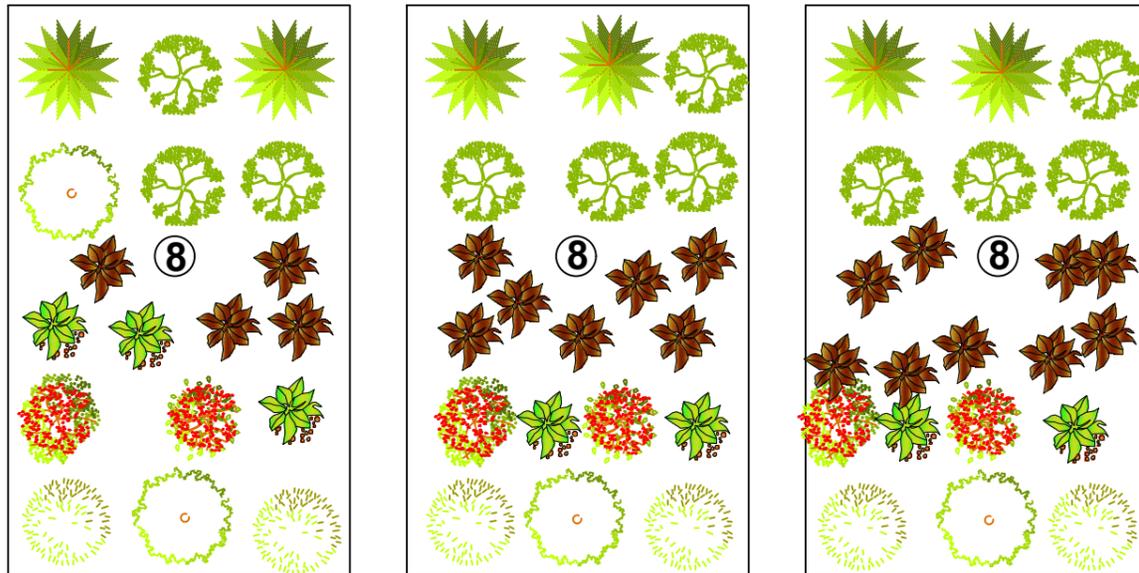
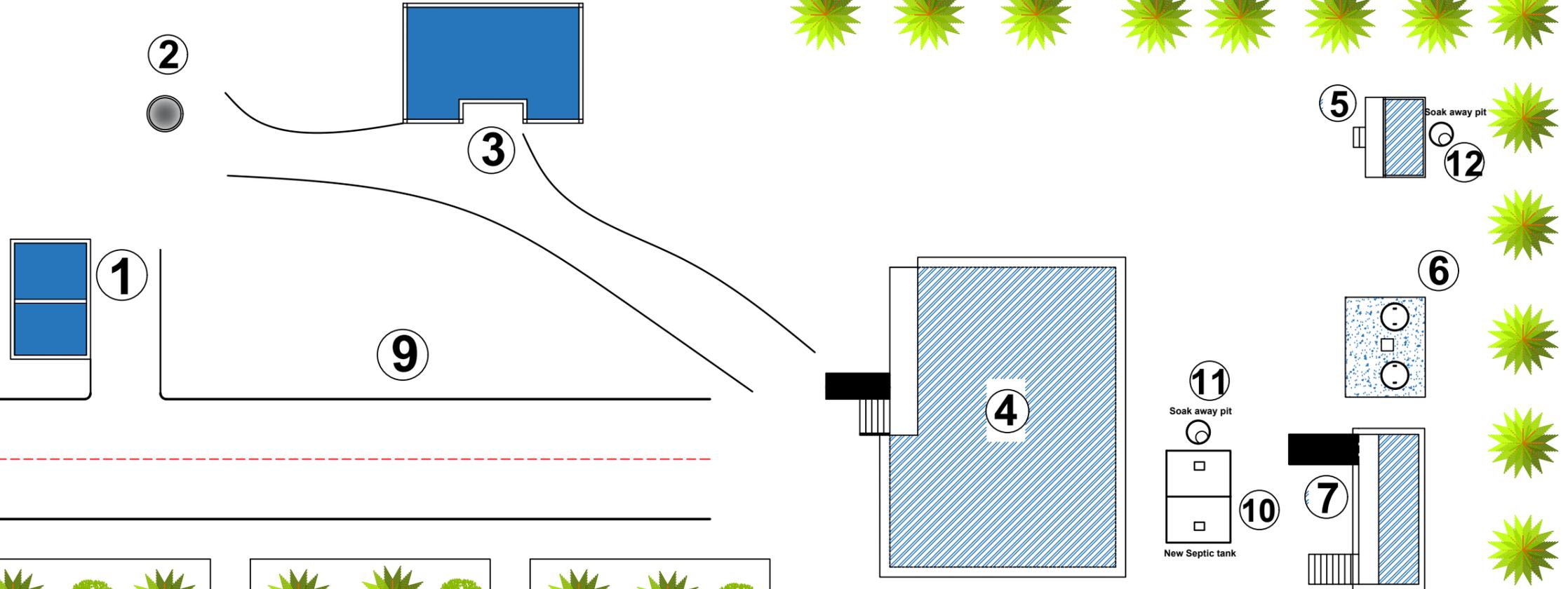
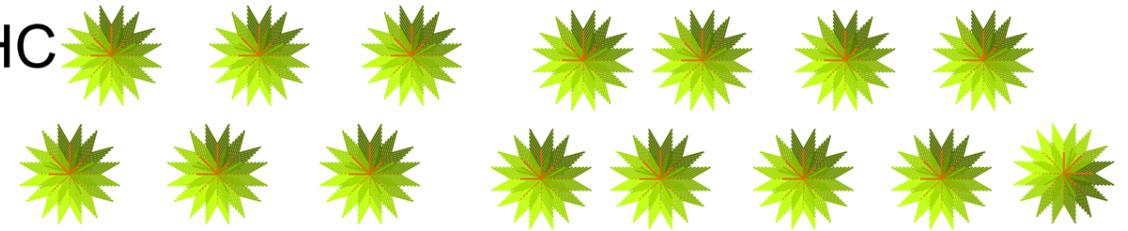
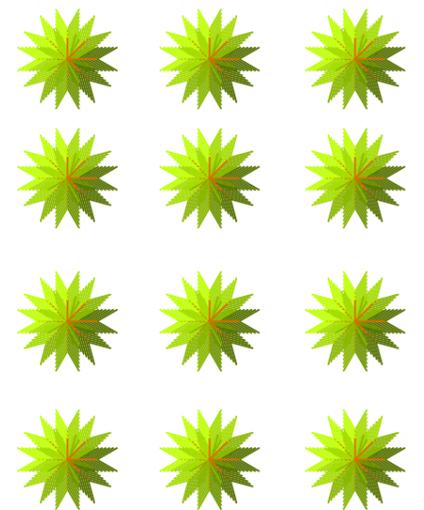
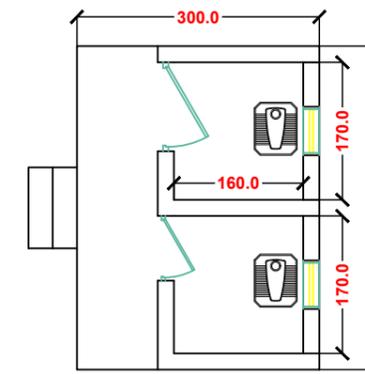
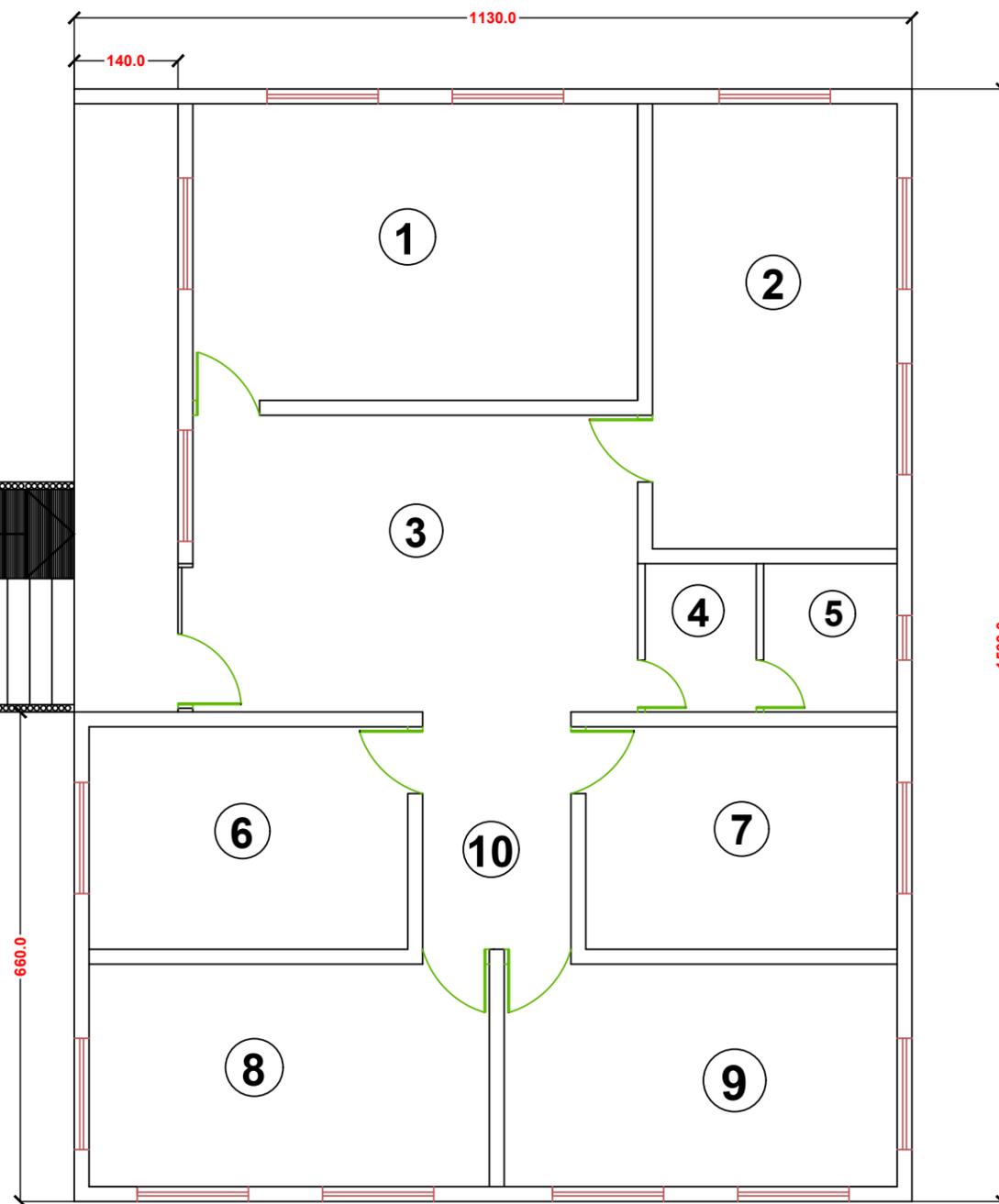


Table of content	
1	Guard room
2	Exist water well
3	Delivery building
4	Main building
5	Male toilets
6	Incinerator, ash, sharp and placenta pit
7	Exist female toilets without septic tank
8	Tree and flower garden
9	Road to clinic
10	New Septic Tank
11	New soak away pit
12	New soak away pit



TASK & RESPONSIBILITIES		DATE	NO OF PAGE	PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Site Plan
SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024		02 08	DISTRICT	GULRAN	START DATE	15-07-2024	E
DROWN BY	ENG. MUSTAFA MUSLEH	15-07-2024	CLINIC		KHOGYANI	END DATE	15-07-2024	N	61.68512
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APPROVED BY	SIMON WANKURU	17-07-2024							

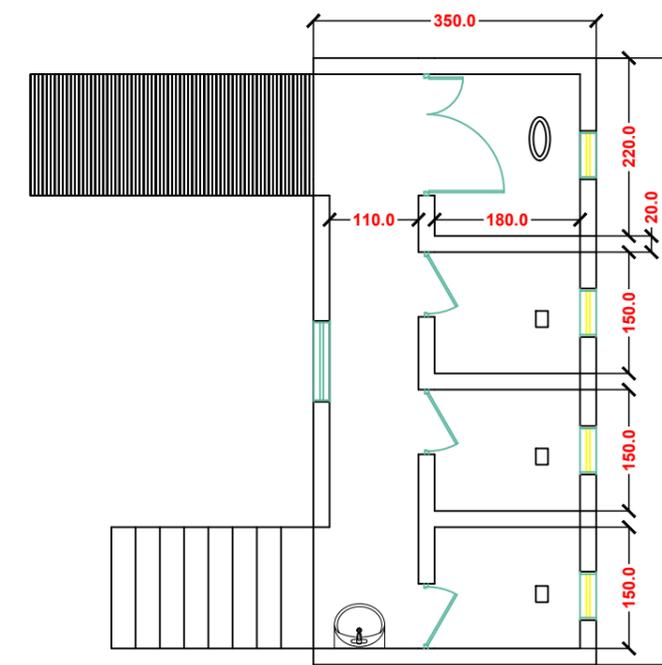


Existed Toilet for male

Note:

1-All Dimensions are in (cm)

2- Exist toilets are not adequate for clinics, those toilets don't have any facilities.



Existed Toilet for Female

Table of content for main building plan

1	Pharmacy room	400x600 cm
2	OPD room	330x600 cm
3	Main corridor	600x430 cm
4	hand wash sink	120x200 cm
5	Bathroom & WC	180x200 cm
6	Vaccination room	300x430 cm
7	CHS room	300x430 cm
8	Nutrition room	300x530 cm
9	Emergency room	300x530 cm
10	Small Corridor	250x350 cm
11	Stair and ramp for disable	310x320 cm

	TASK & RESPONSIBILITIES		DATE	NO OF PAGE 	PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Main Building Plan
	SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024		DISTRICT	GULRAN	START DATE	15-07-2024	E	35.098016
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Note:

1-All Dimensions are in (cm)

2- the main building tiles and ceramic are existed for emergency room and bathroom with hand washing sink

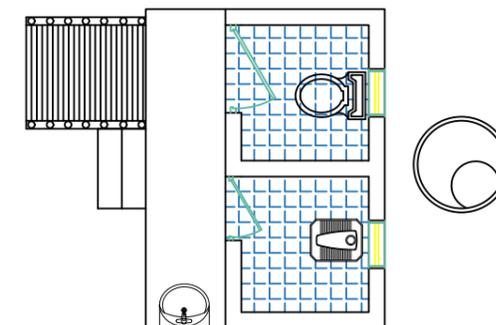
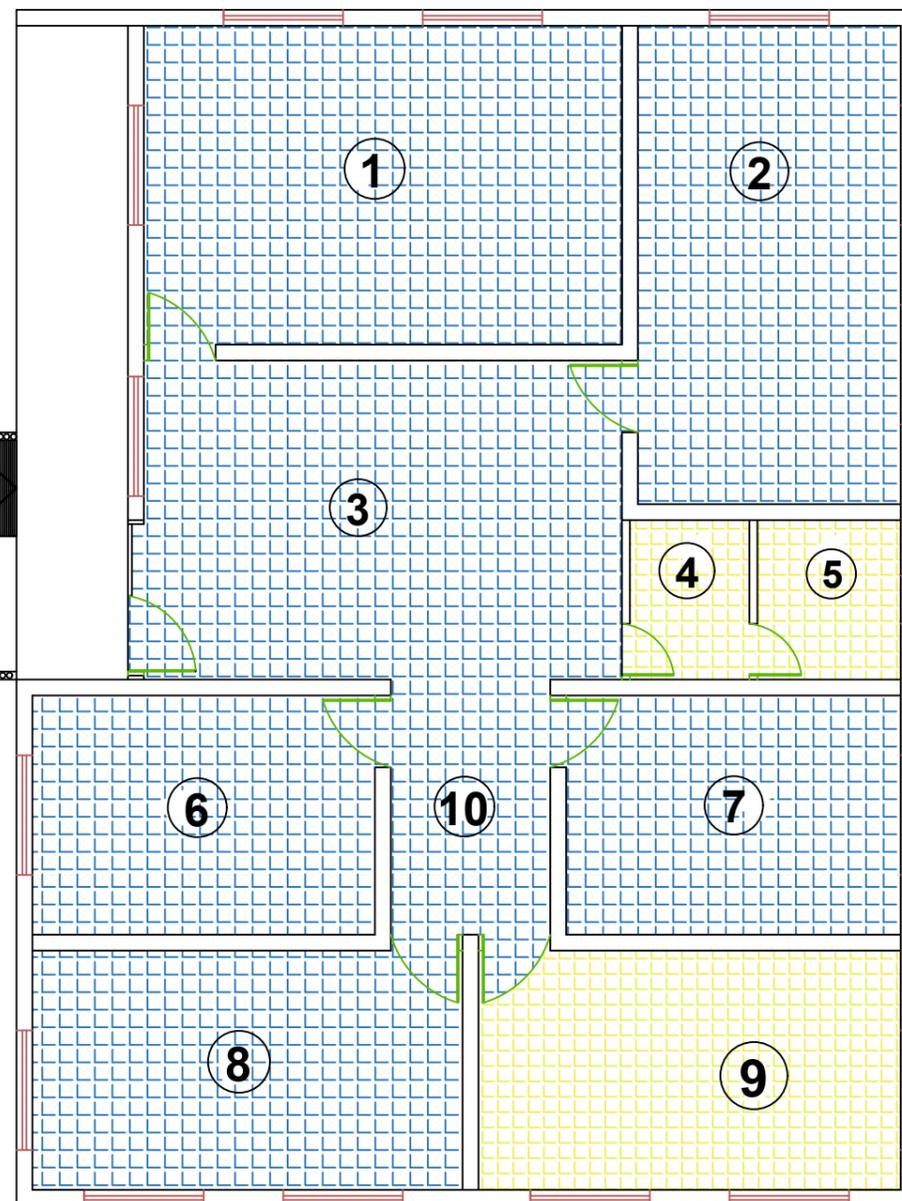
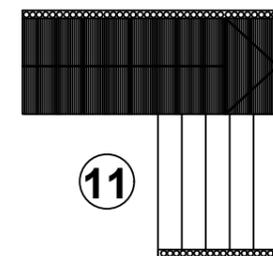
3- the others rooms are not existed and need for tiles and ceramic.

Legend	
Exist Ceramic	
New Ceramic Plan	

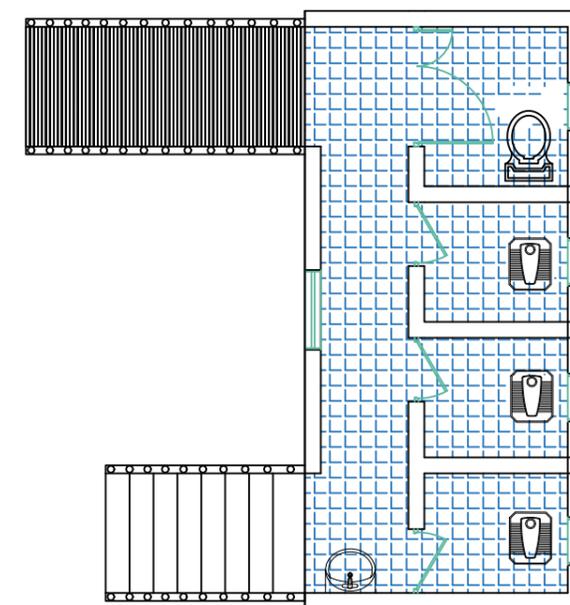


Table of content for main building plan

1	Pharmacy room	400x600 cm
2	OPD room	330x600 cm
3	Main corridor	600x430 cm
4	hand wash sink	120x200 cm
5	Bathroom & WC	180x200 cm
6	Vaccination room	300x430 cm
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9	Emergency room	300x530 cm
10	Small Corridor	250x350 cm
11	Stair and ramp for disable	310x320 cm



Existed Toilet for male



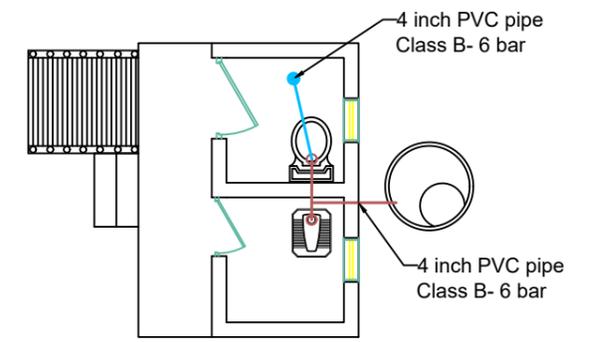
Existed Toilet for Female

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TASK & RESPONSIBILITIES		DATE	NO OF PAGE	PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Main Building tiles and ceramic Plan
SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024			DISTRICT	GULRAN	START DATE	15-07-2024	E
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APPROVED BY	SIMON WANKURU	17-07-2024							

Note:

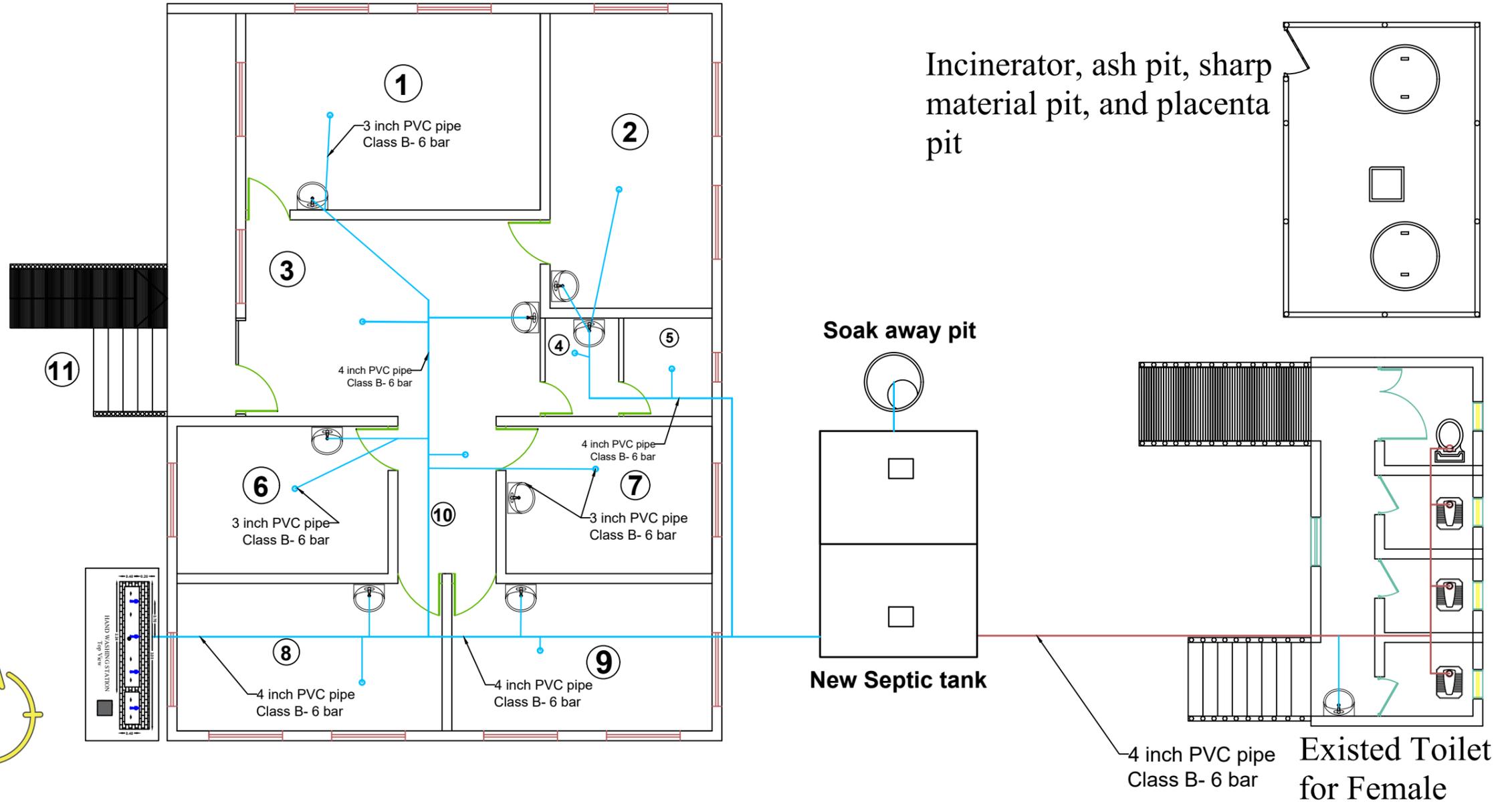
- 1- All dimensions are in (cm)
- 2-in main building hand washing sinks has leakage.
- 3-we have to demolition surface of each room due to ceramic working.
- 4-we consider standard sewer pipe for all building rooms and change all existed sever pipe for new one.
- 5- Consider new Septic tank and soak away pit for waste water and toilets.



Existed Toilet for male

Legend	
3" PVC pipe Class B- 6bar	
4" PVC pipe Class B- 6bar	
Floor Drain 3"	

Table of content for main building plan		
1	Pharmacy room	400x600 cm
2	OPD room	330x600 cm
3	Main corridor	600x430 cm
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11	Stair and ramp for disable	310x320 cm



Incinerator, ash pit, sharp material pit, and placenta pit

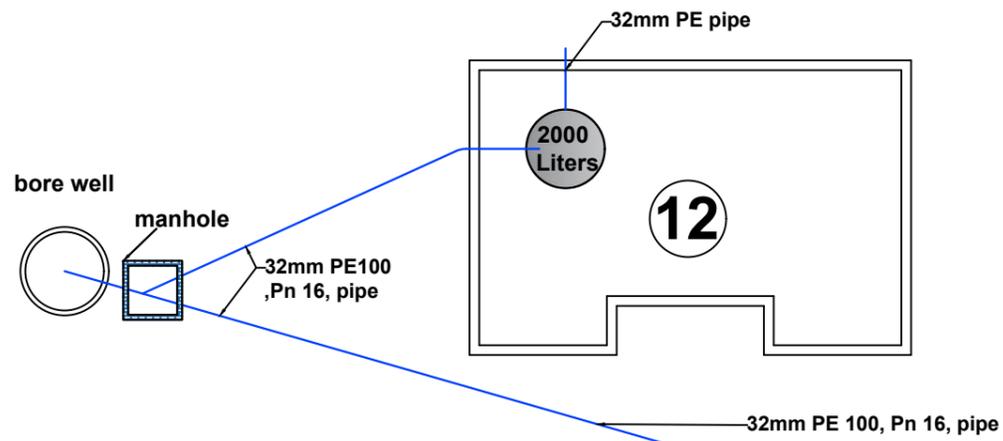
Soak away pit

New Septic tank

4 inch PVC pipe Class B- 6 bar
Existed Toilet for Female

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TASK & RESPONSIBILITIES		DATE	NO OF PAGE	PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Main Building Waste water Plan
SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024		DISTRICT	GULRAN	START DATE	15-07-2024	E	35.098016
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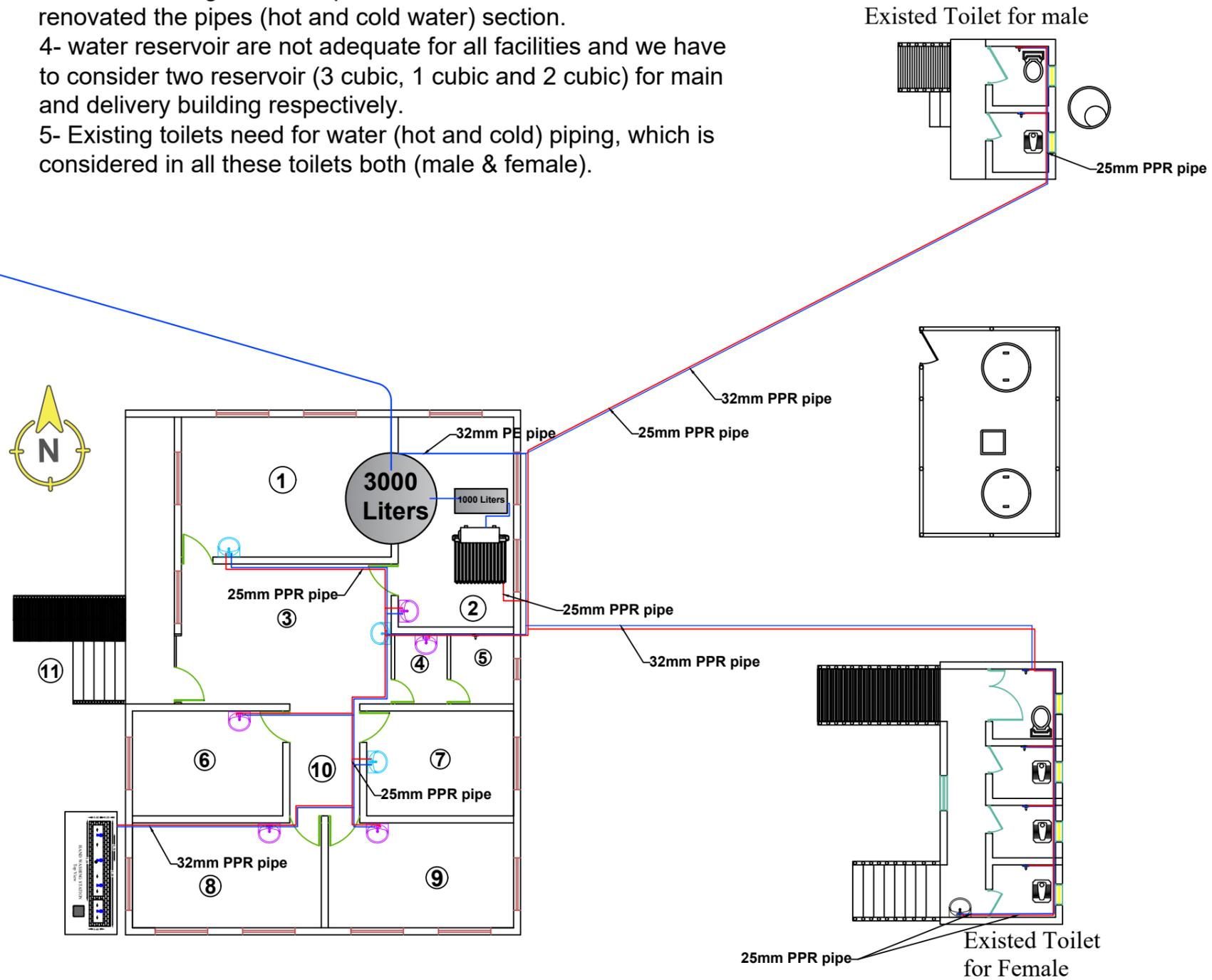
Note:

- 1- All dimensions are in (cm)
- 2- BHC has bore well, all facilities (such us main building, delivery building and all toilets) use from this bore well.
- 3- hand washing sinks has problems and all the sinks need to be renovated the pipes (hot and cold water) section.
- 4- water reservoir are not adequate for all facilities and we have to consider two reservoir (3 cubic, 1 cubic and 2 cubic) for main and delivery building respectively.
- 5- Existing toilets need for water (hot and cold) piping, which is considered in all these toilets both (male & female).

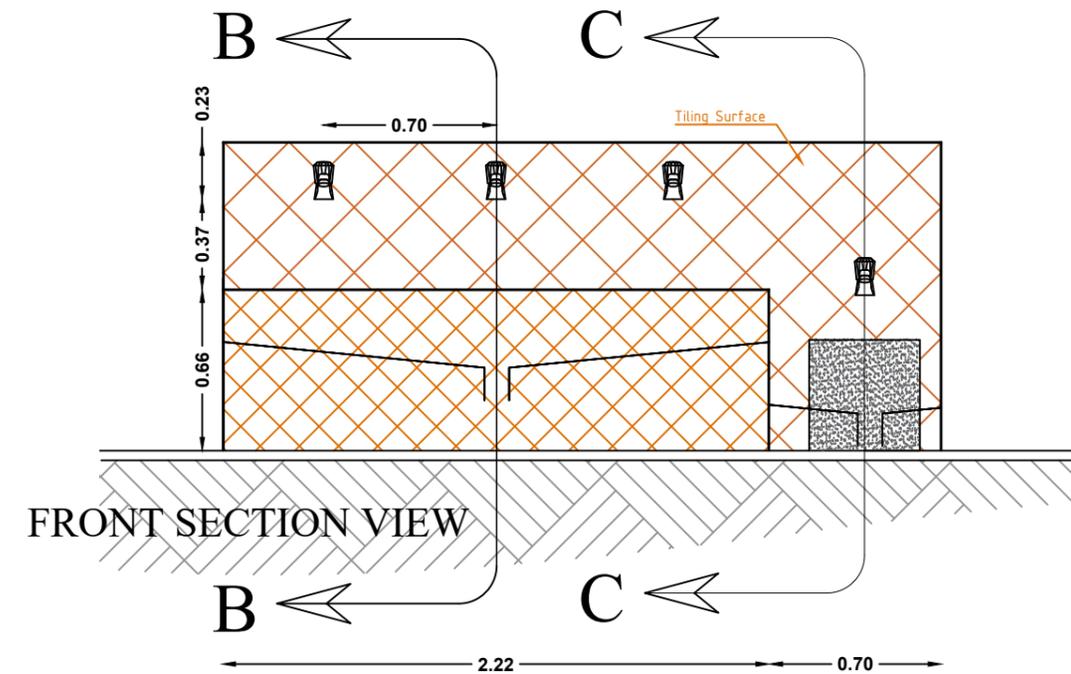
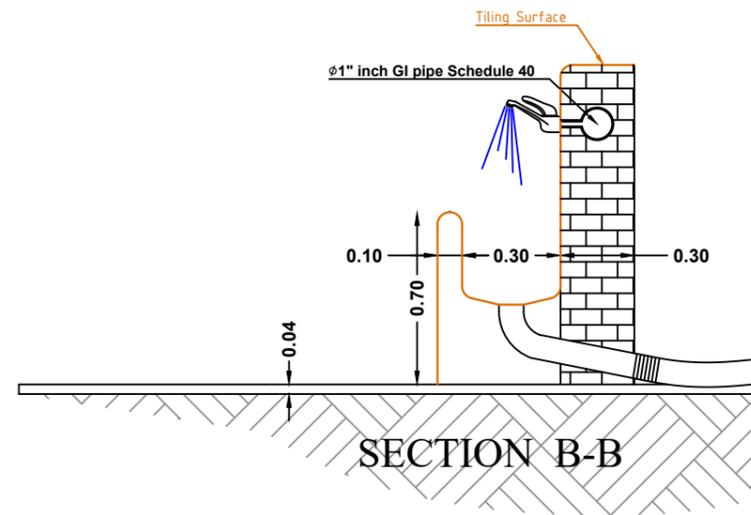
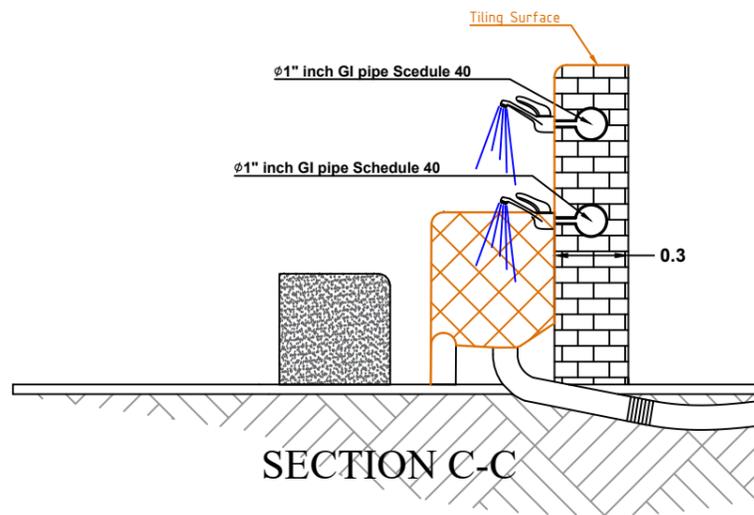
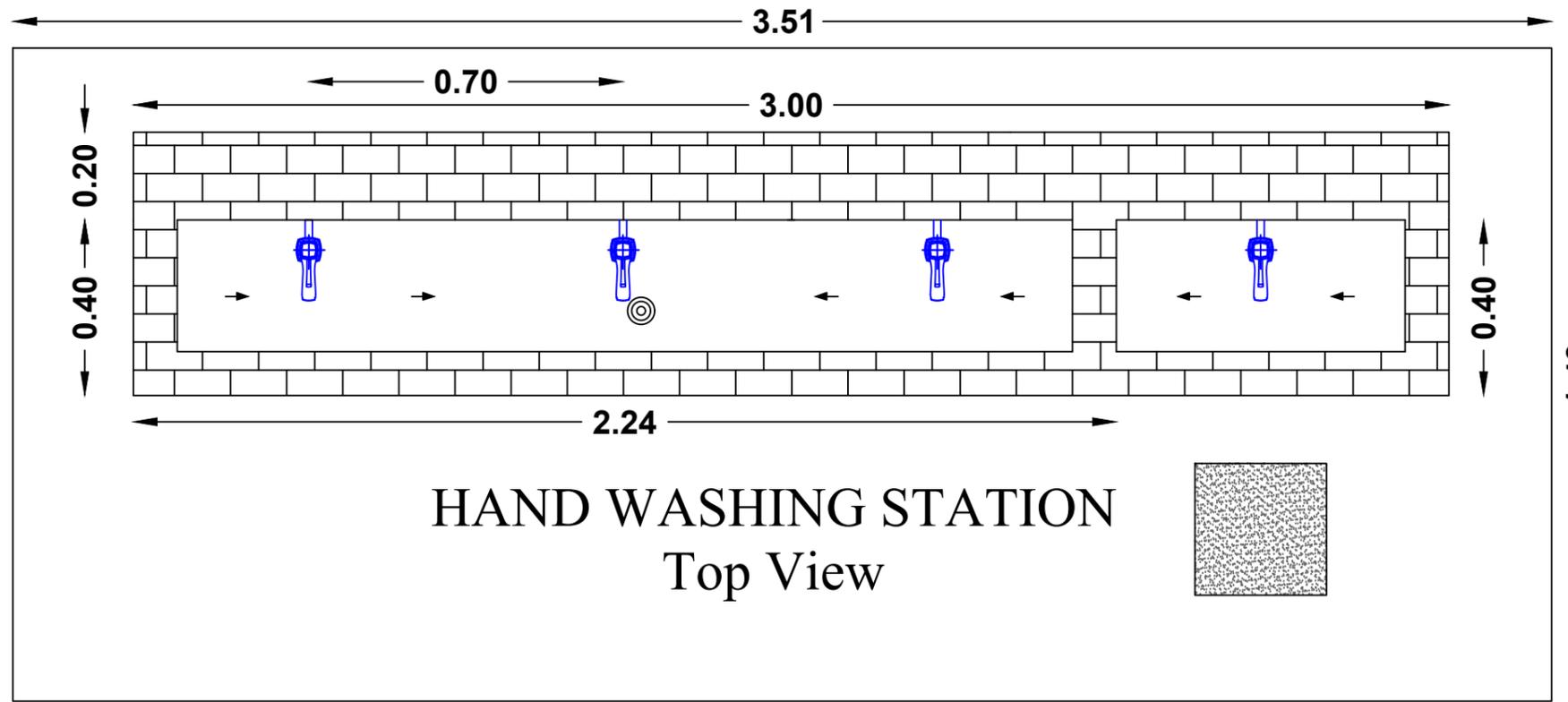
Legend	
32mm PE 100, Pn 16, Pipe	
32mm PPR Pipe cold water	
25mm PPR Pipe	
Solar water boiler	
Exist hand washing sinks	
New hand washing sinks	

Table of content for main building plan

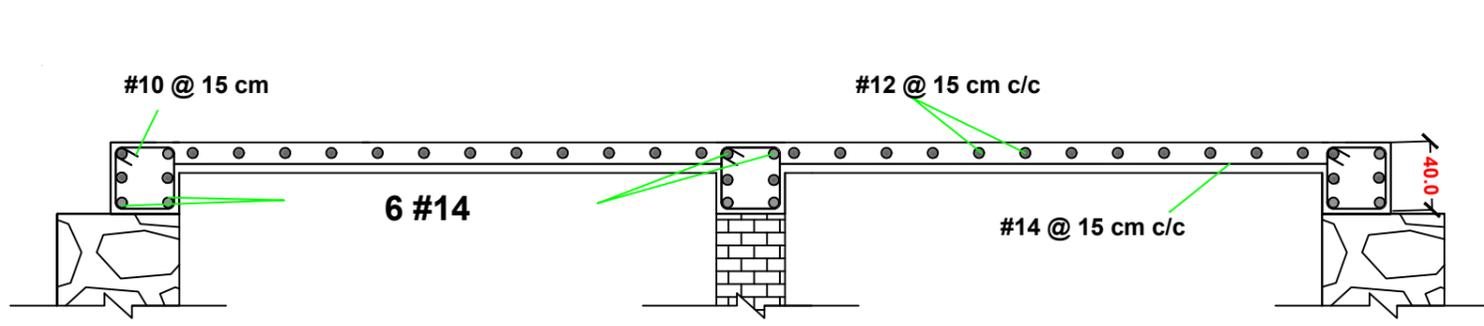
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9	Emergency room	300x530 cm
10	Small Corridor	250x350 cm
11	Stair and ramp for disable	310x320 cm
12	Delivery Building	600x900 cm



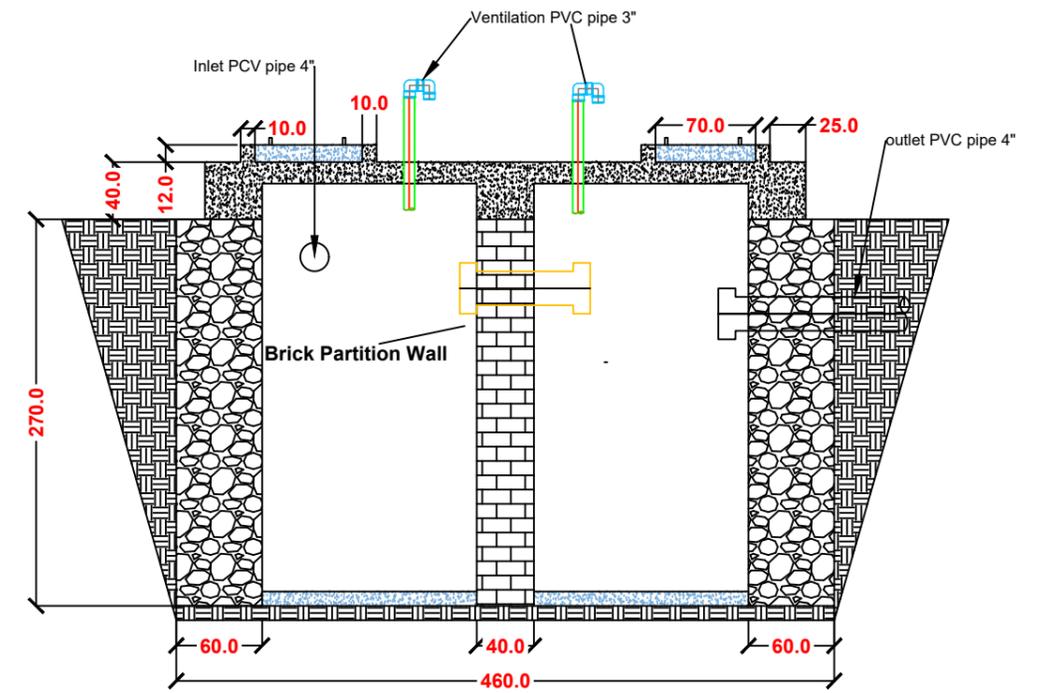
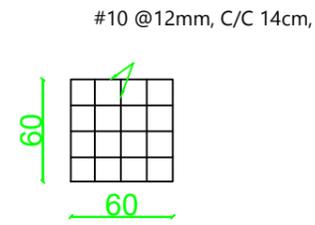
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	DRAWING BY	ENG. MUSTAFA MUSLEH	15-07-2024	CLINIC		KHOGYANI	END DATE	15-07-2024	N	61.68512
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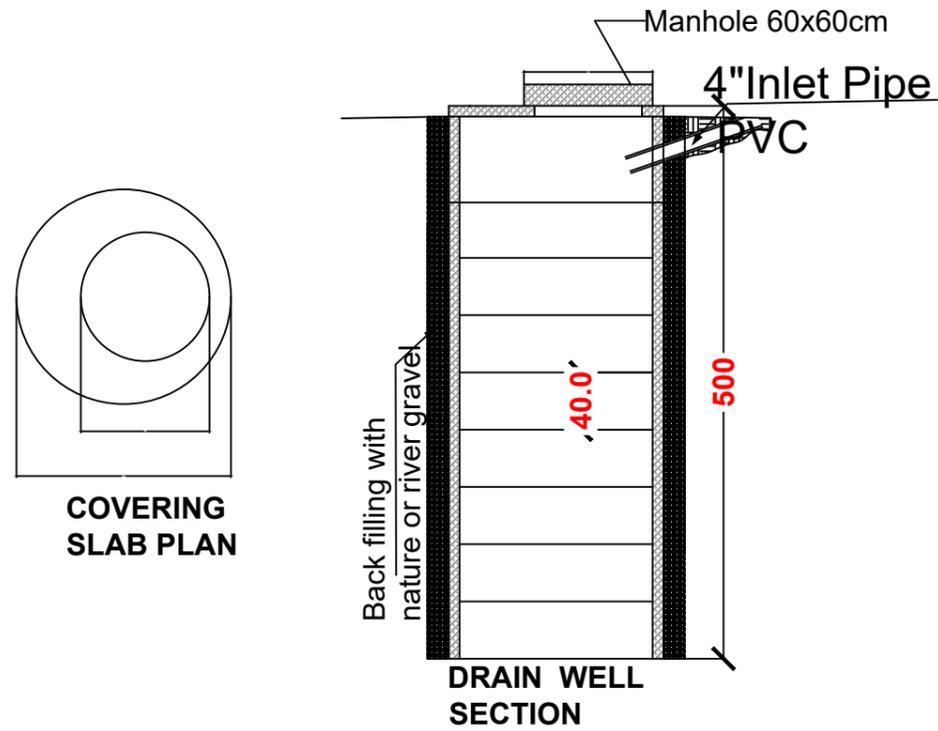
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	DRAWING BY	ENG. MUSTAFA MUSLEH	15-07-2024		CLINIC	KHOGYANI	END DATE	15-07-2024	N	61.68512
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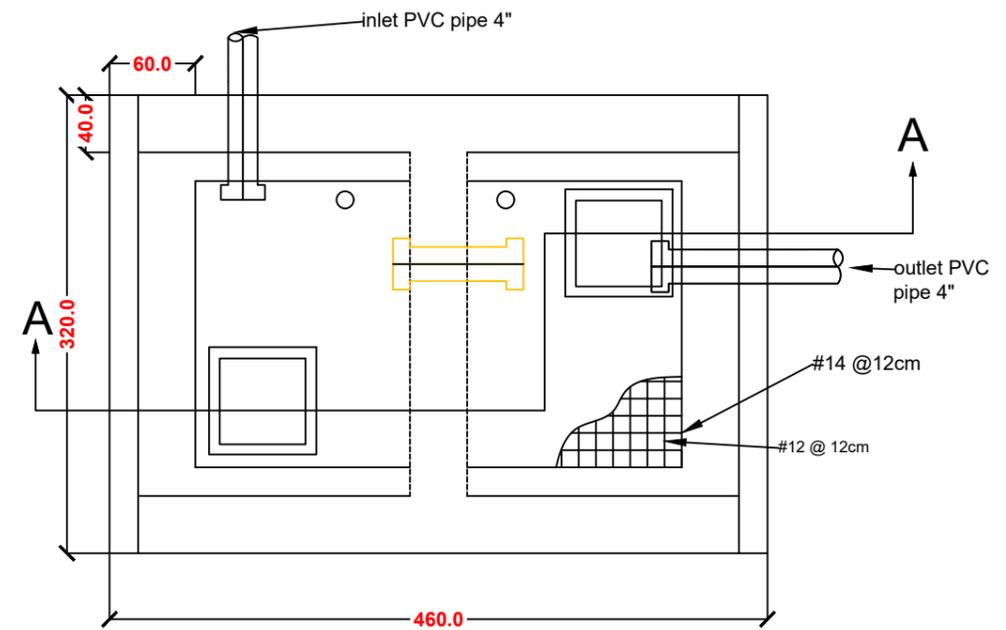
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL



Septic Tank Section A-A



NEW DRAIN WELL FOR SEWERAGE SYSTEM



New Septic tank plan

	TASK & RESPONSIBILITIES		DATE	NO OF PAGE	PROVINCE	HERAT	SCALE	1:100	DRAWING TYPE	Septic Tank & Soak Away Pit
	SURVEYED BY	ENG. MUSTAFA MUSLEH ENG. MOKHTAR RAZAEE	29-07-2024			DISTRICT	GULRAN	START DATE	15-07-2024	E
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