

DRAWINGS

AS- BUILT & NEW STRUCTURES

FIROZKOH, GHOR, AFGHANISTAN

Identified Gaps in Existing WASH Services in Zartali SHC:

- The building has no plumbing system the waste water system is damaged and need to fundamental repairing
- The existing toilets are damaged and need to be constructed new structures for male and female staff and patients
- The water supply system of the clinic was jointed from a village pipe scheme system and for the dry season people are blocking the clinic pipe line they need a new water source
- There is not any hand washing facility in the clinic rooms
- The HCF rooms & corridor floors are PCC it must be changed to ceramic for easy and safe cleaning
- There is not any protected waste management system in the HCF field and they are using from a metallic stow for burning the wastes and the pits are not protected
- There should be hand washing facility in the clinic entrance for the staff/patients and there isn't any hand washing tank/sink in the clinic entrance

Solution:

- Reparation of the HCF plumbing system like; plumbing the hot and cold water from the water sources to the sinks and flash tanks and directing the waste water to septic tank
- Construction of two pair double flash toilets with all needed material by replacing the old toilets in the north site of the clinic for male and female (staff and patients) and considering a ramp and two western WCs for male & female disabled people
- Construction of a bore well in the clinic site by depth of 40m to prepare safe, clean and a steady water source for the clinic
- Installation of the sinks for all rooms for hand washing facility
- The clinic rooms and hall must be ceramic to be safe and easy to clean so we considered ceramic tiles (30x30)cm for the mentioned areas
- We considered an incinerator structure, rings for placenta and sharp waste pits and a protection fence around the incinerator and pits for the Zartali SHC
- We considered a Hand washing structure in the clinic entrance by 4 washing places which 2 places are for male and the other 2 for female


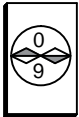
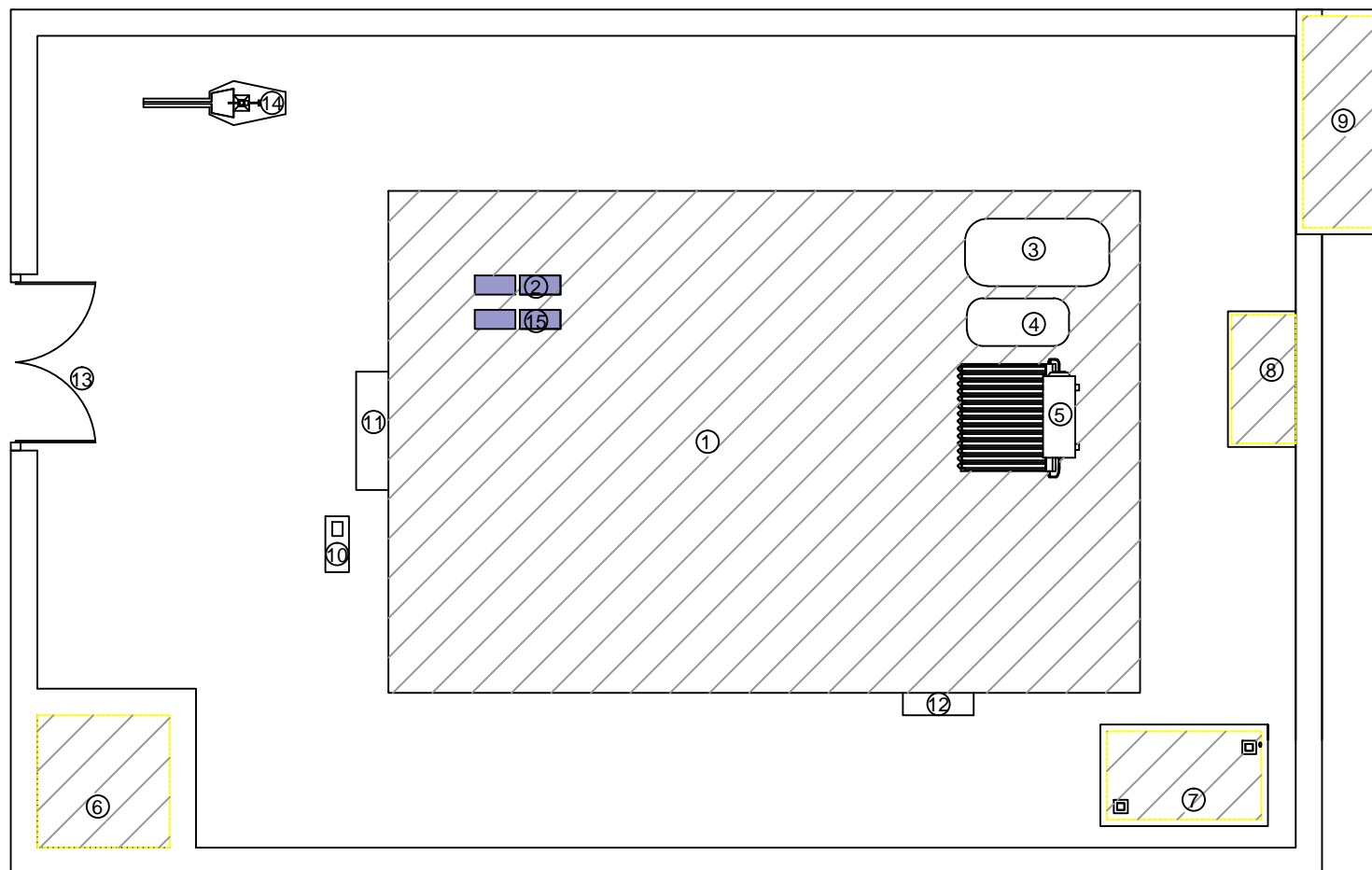
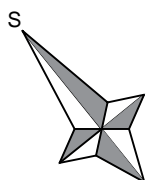
	TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
	SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	-	DRAWING TYPE	-
	DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	-	E	65° 24' 50.028"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
	APPROVED BY	Simon Wankuru	-							

TABLE OF CONTENT	
1	Health care center building
2	Solar Panel
3	Plastic water tank 1000 lit
4	Plastic water tank 500 lit
5	Sun Water Boiler
6	Guard Room
7	Septic tank
8	Incinerator Area
9	Toilets
10	Stand tap
11	Building front gate
12	Building Side gate
13	HF Compound Main Gate
14	Bore Well
15	Solar panel for water pump

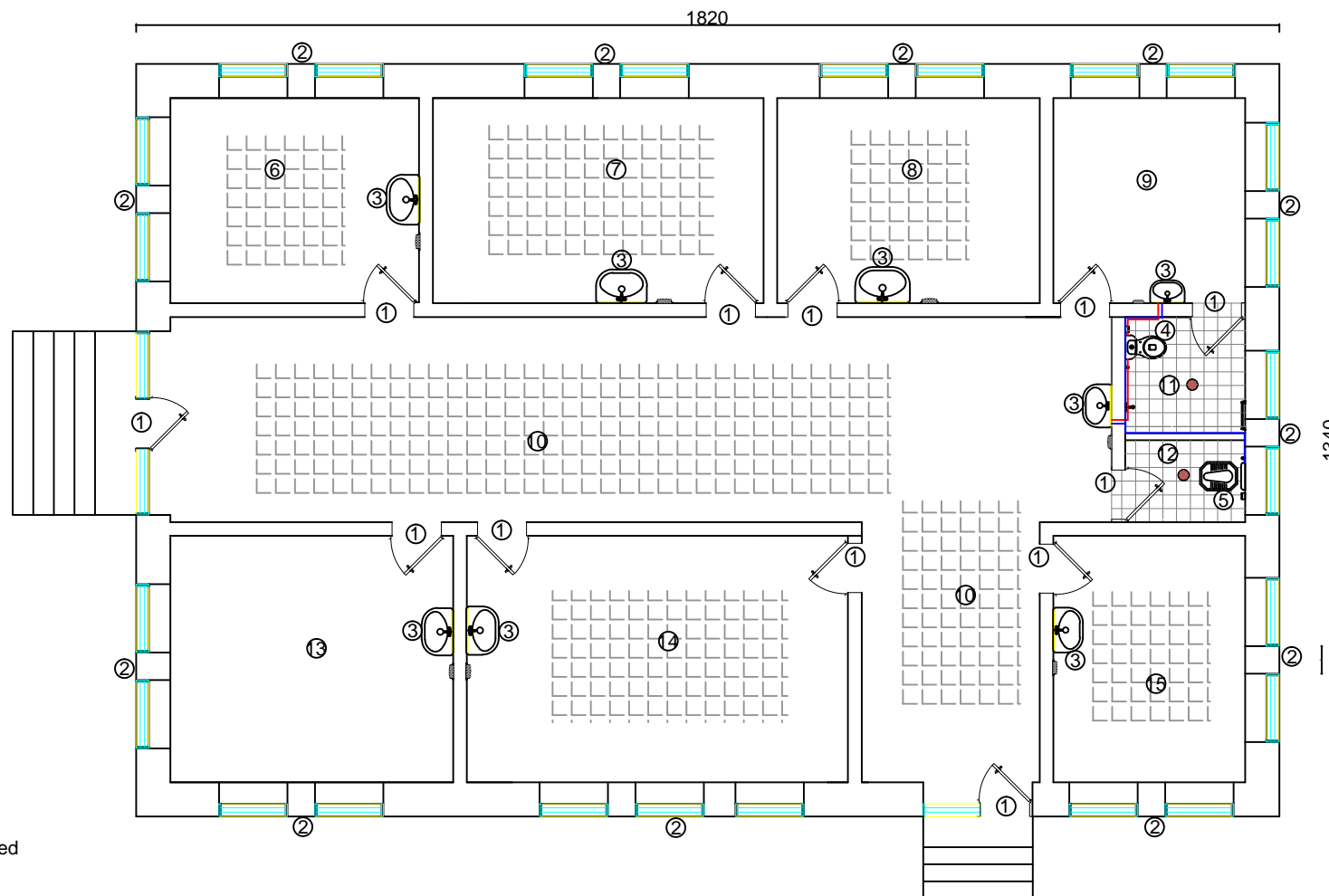


ZARTALI HCF AREA SITE PLAN



	TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
	SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Site Plan
	DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
	APPROVED BY	Simon Wankuru	-							

TABLE OF CONTENT FOR BUILDING PLAN	
1	Doors
2	Windows
3	Sink complete sit with mirror
4	Stand WC washbasin
5	Sitting WC washbasin
6	Vaccination room(3.1x4.2)m
7	Male OPD Room(5.6x4.2)m
8	Nutrition room (3.3x4.2)m
9	Delivery room (3.2x4.2)m
10	Corridor (15x3.1)&(4.7x3.7)m
11	Toilet with stand washbasin
12	Toilet with sitting washbasin
13	MCH room(3.1x3.7)m
14	Stock (5.6x3.7)m
15	Pharmacy (3.3x3.7)m



ZARTALI HCF EXISTING BUILDING PLAN

Note:

-All dimension are in centimeter, otherwise noted

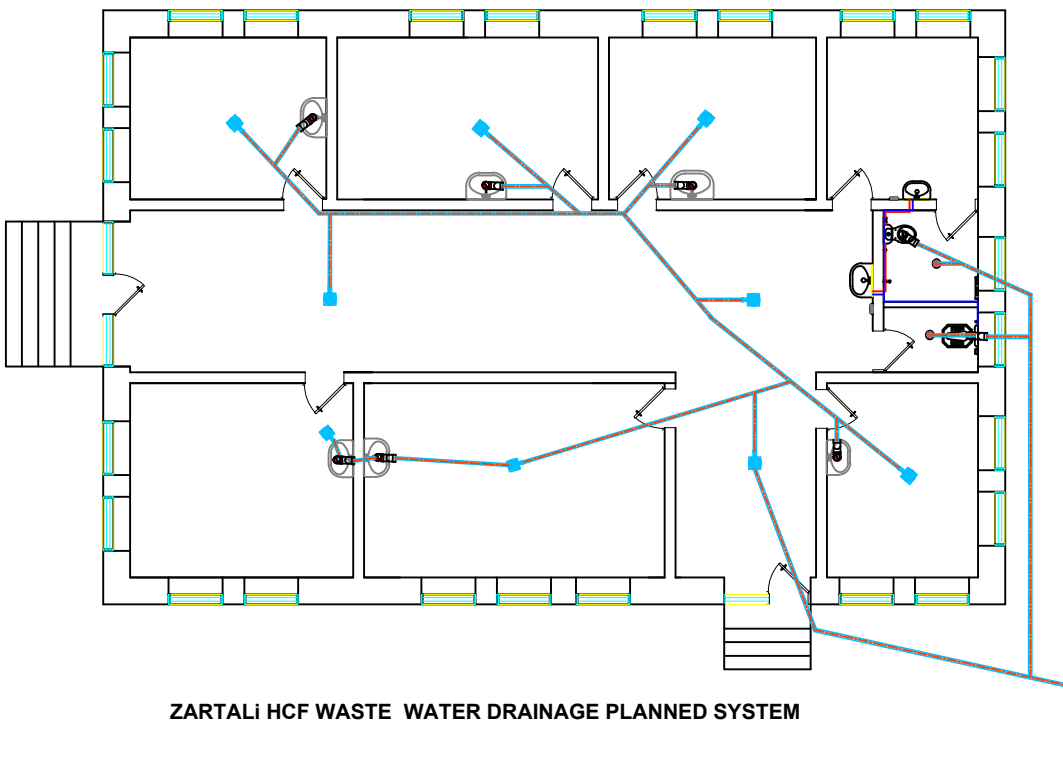
-The ceramic hatched areas are under plan to be repaired rooms(6,7,8,13,14 & 15) and no 10 corridor

- Bothe stand and sitting washbasin toilets have been constructed by actionaid

- The sinks must be installed which is numbered in the plan by 3 in total there is 8 sink in the drawing which two of them are installed permanently by ActionAid

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TASK & RESPOSIBILITIES			DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
SURVEYED BY	Farid Qaderi		23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Building Plan
DRAWN BY	Ab. Ahad Azimpoor		22-05-2024	<div> <div>2</div> <div>9</div> </div>	HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
REVIEWED BY	Hekmatullah Arefzai		-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
APPROVED BY	Simon Wankuru		-							



ZARTALI HCF WASTE WATER DRAINAGE PLANNED SYSTEM

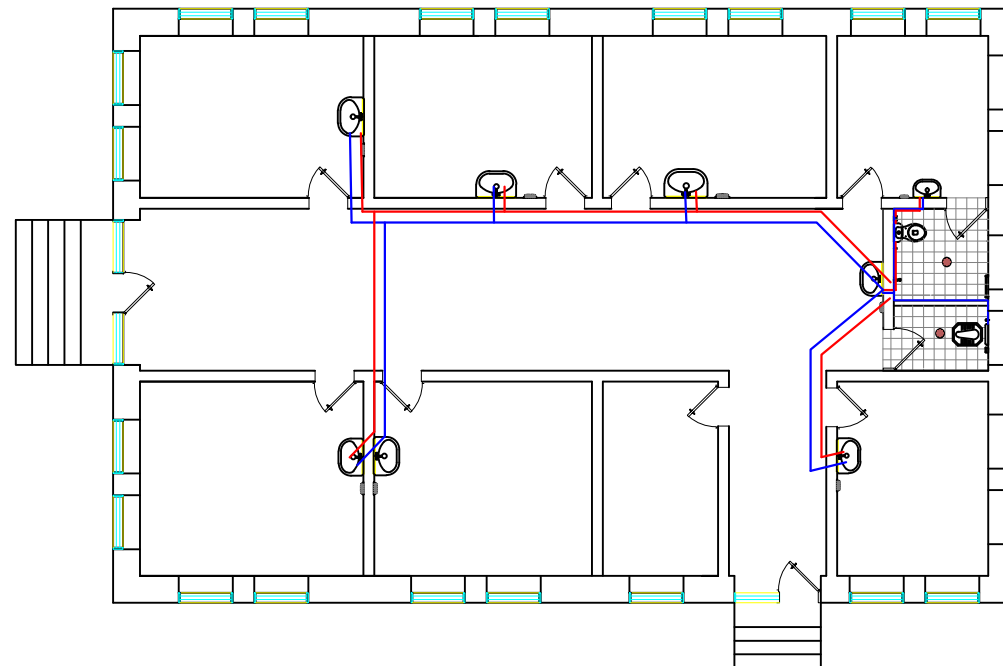
Note:

■ This form indicates swab

⌂ This form indicates siphon

- The entire drainage system considered for repairing

- As for the toilets drainage pipe that are apart from the entire system that is because of the existing RCC ring in the site, so we considered a disjointed system for that



ZARTALI HCF WATER SUPPLY PLANNED SYSTEM

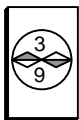
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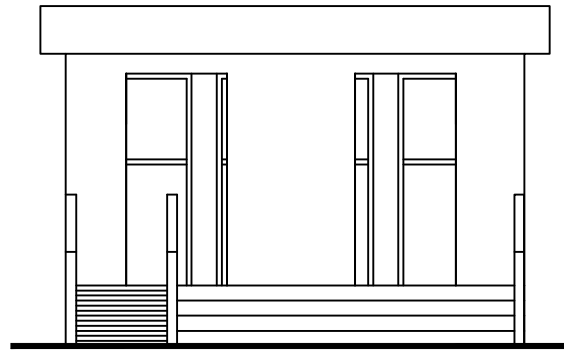
— Red color line indicates hot water pipe line

— Blue color line indicates cold water pipe line

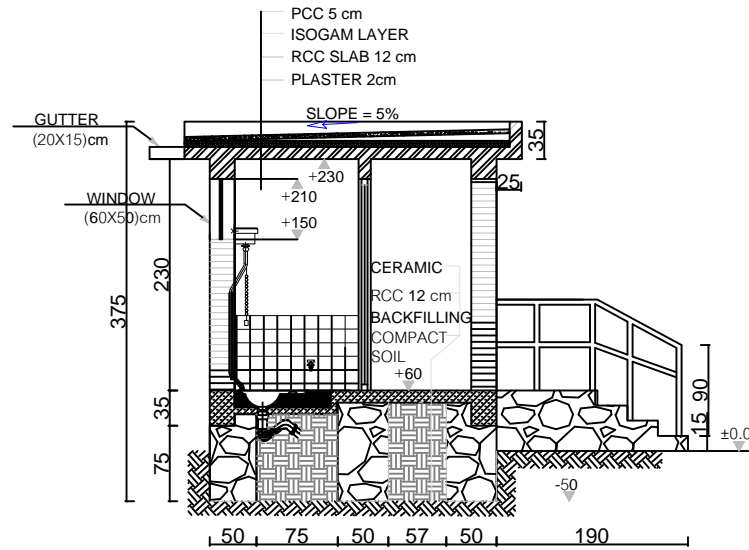
- The building water supply system considered for repairing

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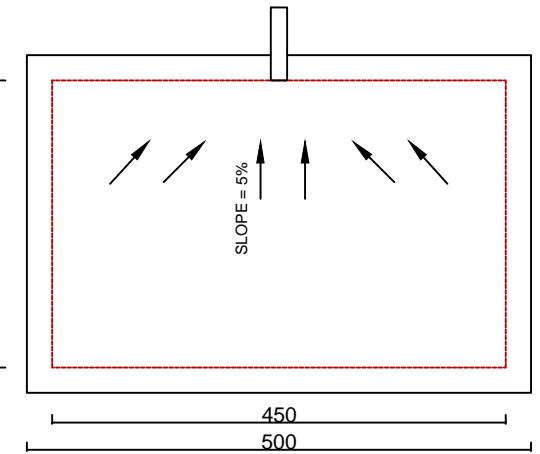
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SURVEYED BY	Farid Qaderi		23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Water S Plan
DRAWN BY	Ab. Ahad Azimpoor		22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
REVIEWED BY	Hekmatullah Arefzai		-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
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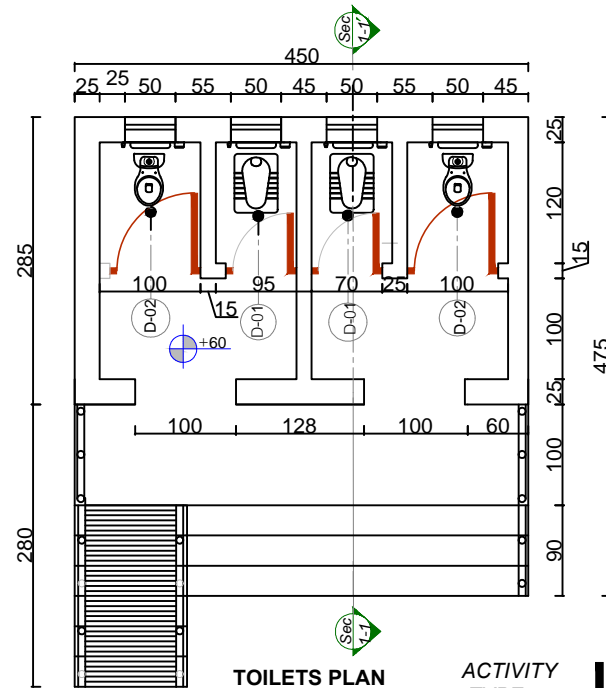
TOILETS ELEVATION



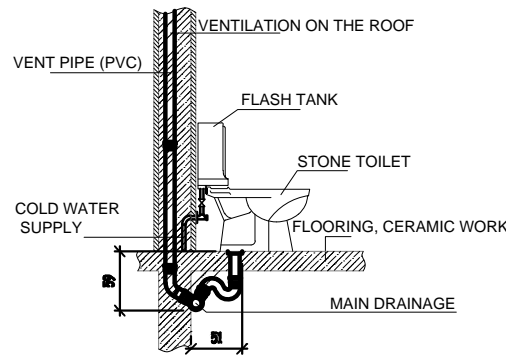
SECTION 1-1



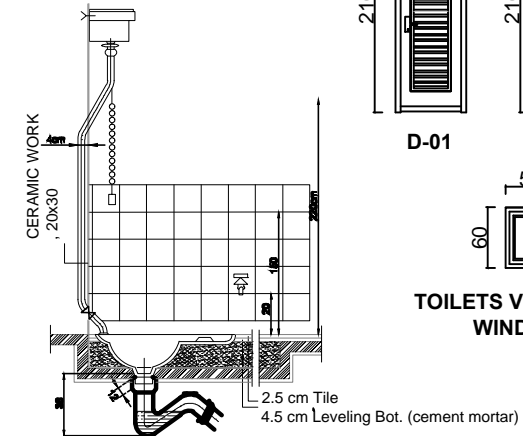
ROOF PLAN



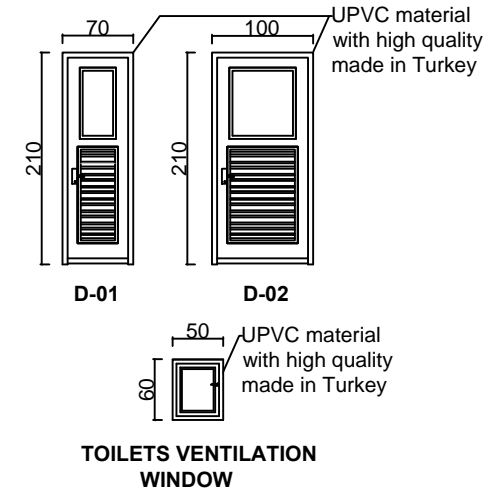
TOILETS PLAN



TYPICAL TOILET INSTALLATION



DIMENSION AND CONNECTION DETAILS
PLACEMENT OF EASTERN TOILETS



TOILETS VENTILATION
WINDOW

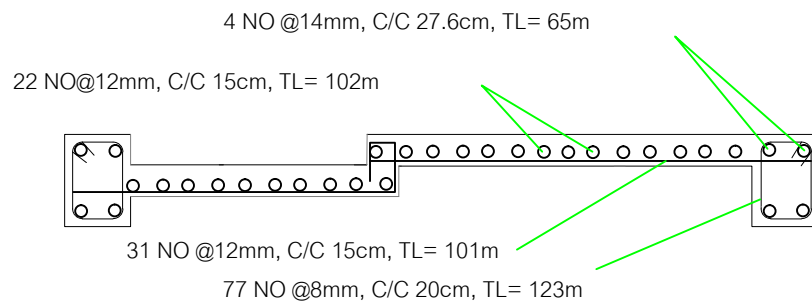
Note:
All dimension are in cm,
unless otherwise noted

ACTIVITY
TYPE
ACTIVITY
REFERENCE

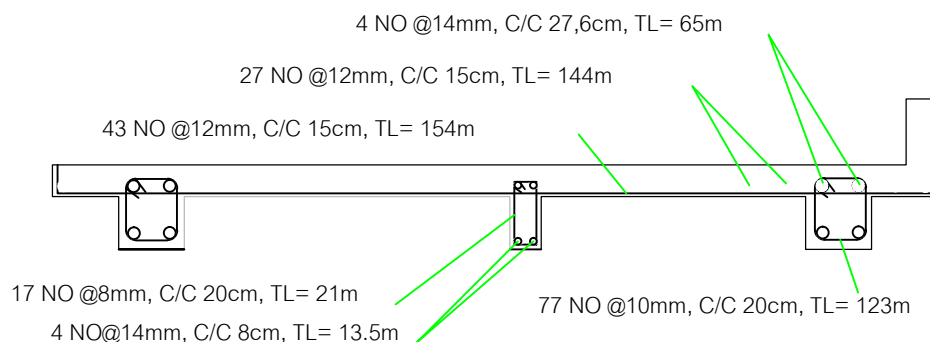
NEW PLANNED
ACTIVITY
,Site Plan #9

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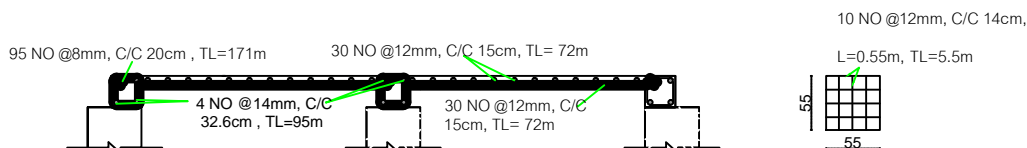
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SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Toilets Plan
DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
APPROVED BY	Simon Wankuru	-							



TOILETS LOWER BEAM AND SLAB BAR BENDING DETAIL



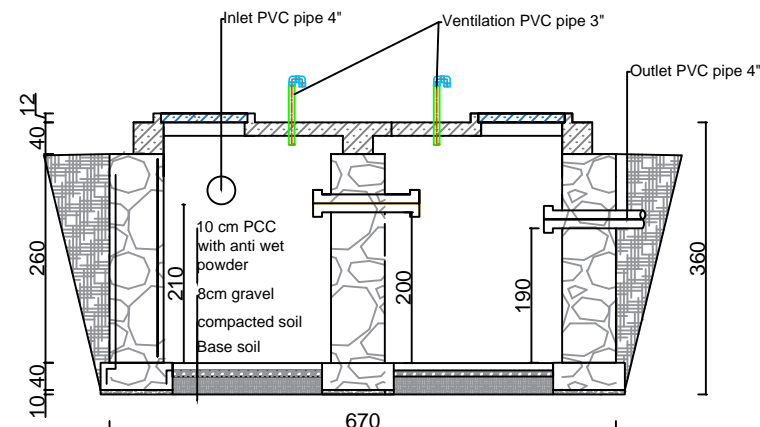
TOILETS ROOF BEAM AND SLAB BAR BENDING DETAIL



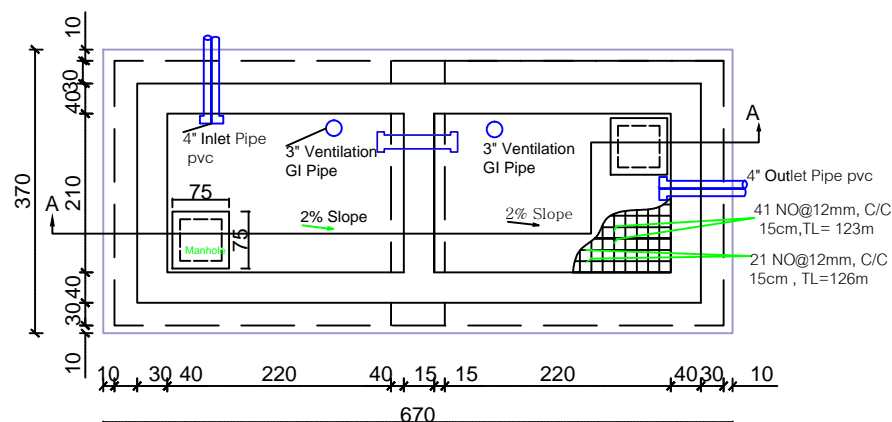
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL

Note:

- All dimension are in cm unless otherwise noted
- This is an as-built structure but it is not active and need to repairing as for location states refers to site plan #7



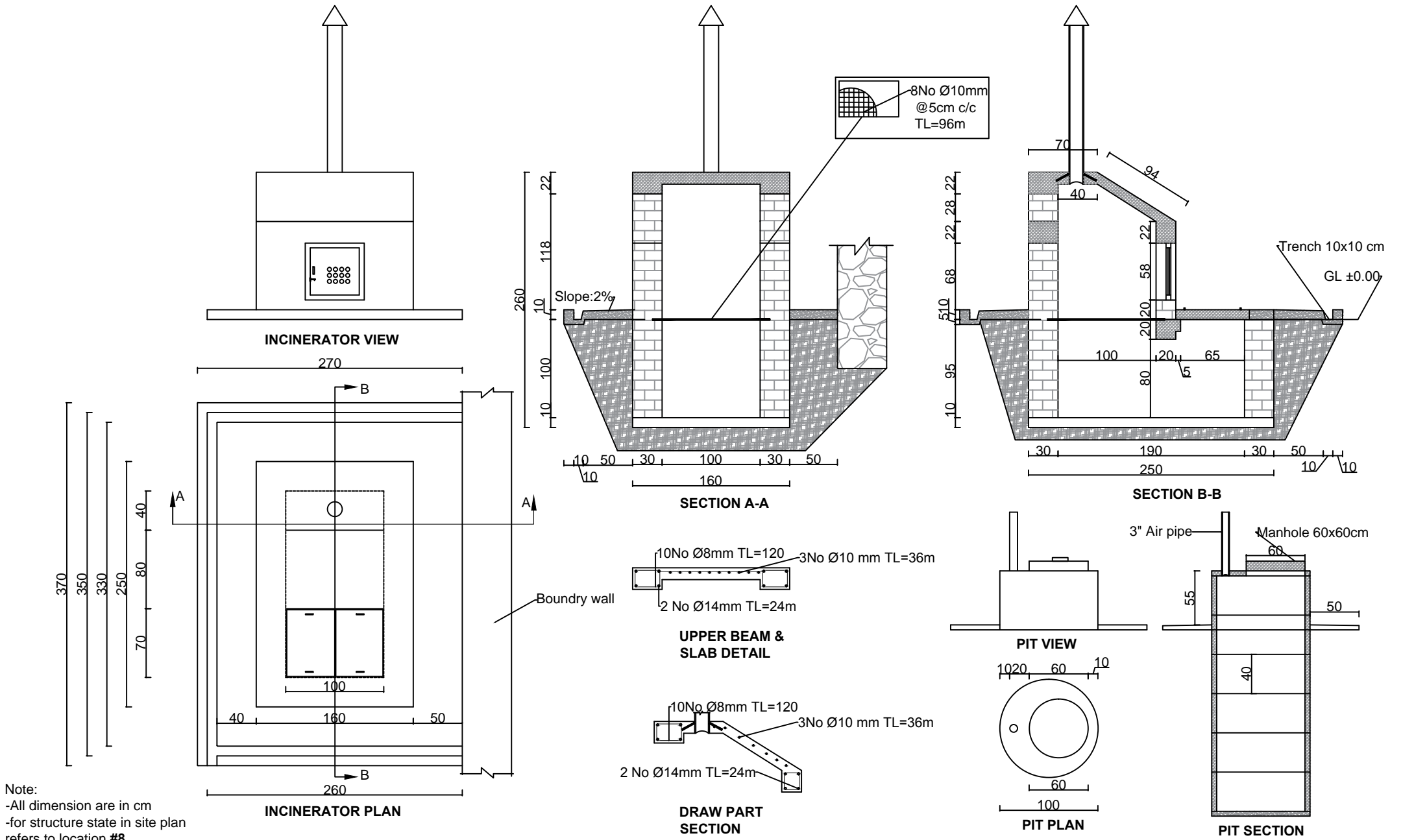
SEPTIC TANK SECTION A-A



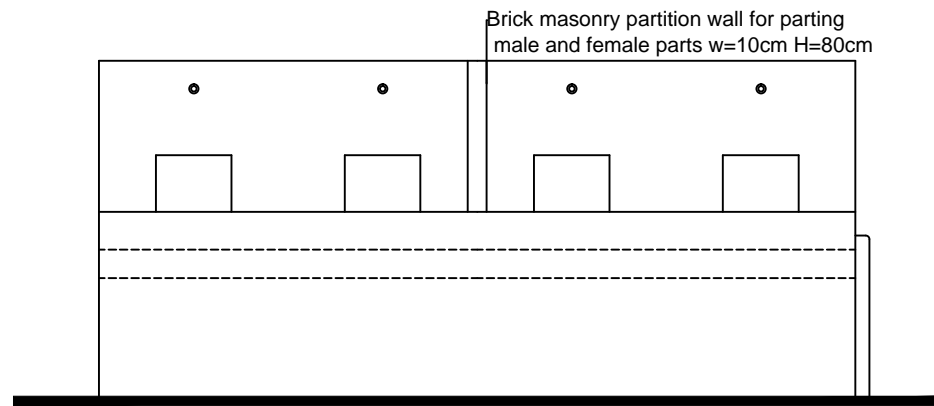
EXISTING SEPTIC TANK PLAN

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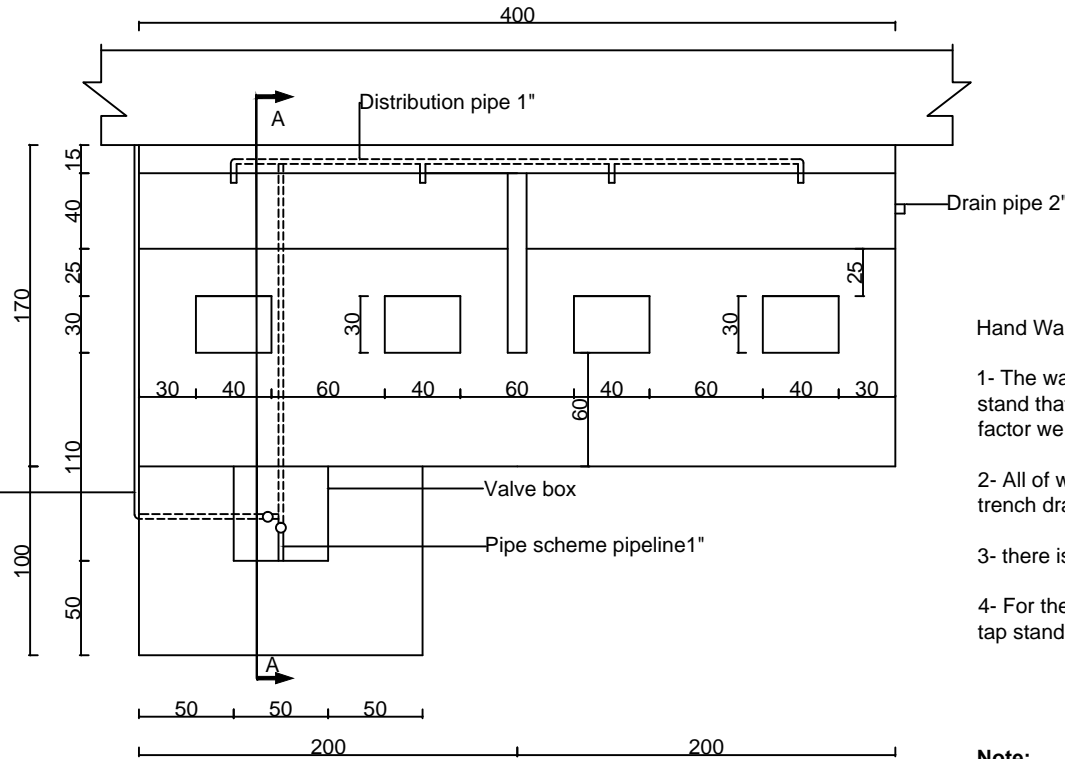
TASK & RESPOSIBILITIES		DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Septic tank & toilet details
DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
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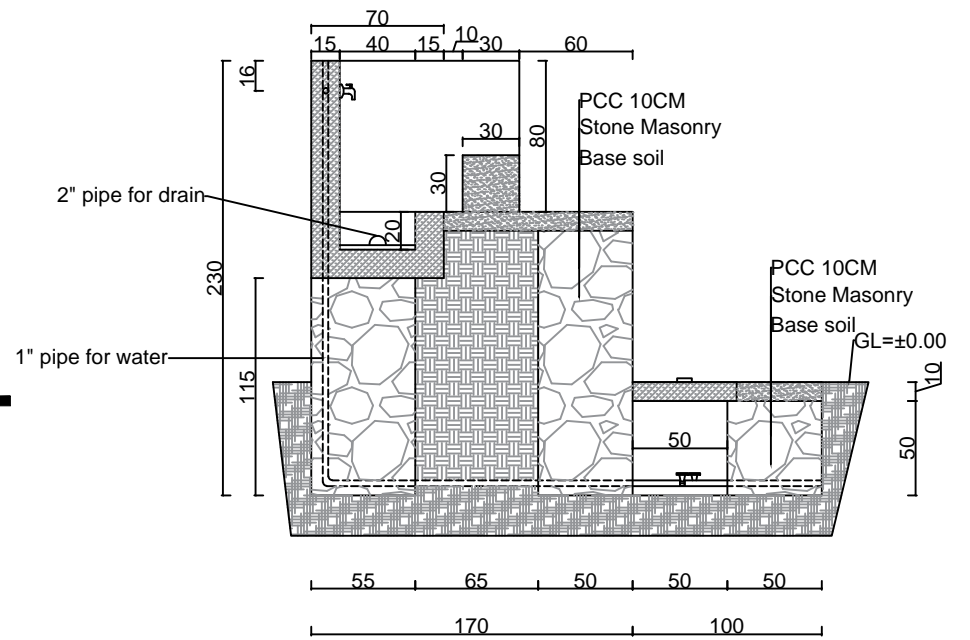
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	SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Incinerator plan & sections
	DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
	APPROVED BY	Simon Wankuru	-							



HAND WASHING VIEW



HAND WASHING PLAN



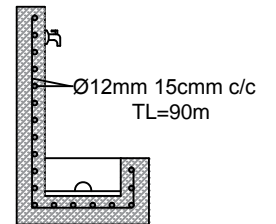
SECTION A-A

Hand Washing Specifications:

- 1- The walls height is in accordance to site relief and there is a tap stand that is connected to the hand washing structure but for safety factor we considered another water source from building water tank
- 2- All of water pipe diameter are 1 inch including fittings except the trench drain pipe which is 2 inch
- 3- there is 4 taps which is separated by male and female parts
- 4- For the hand washing structure location in clinic area it replaced with tap stand place in site plan reference #11

Note:

- All dimension are in cm, unless otherwise noted



HAND WASHING
PLATE BAR
BENDING DETAIL

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TASK & RESPONSIBILITIES		DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenance of HCF-WASH sector
SURVEYED BY	Farid Qaderi	23-02-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Hand washing plan & section
DRAWN BY	Ab. Ahad Azimpoor	22-05-2024		HCF NAME	Zartali HCF	END DATE	----	E	65° 24' 50.028"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 19' 26.88"
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