



Qeghanak SHC



DRAWINGS

AS- BUILT & NEW STRUCTURES GHOR, LAL&SARJANGAL, AFGHANISTAN

Identified Gaps in existing WASH services in Gheghanak Sub Health Center (SHC):

- There aren't active water supply system and waste water drain system in the clinic main building so they are facing problems during washing and cleaning.
- The dry latrines need to be changed to toilets with flash tanks and washing facilities.
- There is no stable hand washing facility in the clinic rooms.
- The Sub Health Center (SHC) does not have a septic tank.
- The OPD room, M.C.H room, vaccination room, nutrition room, hall, and all baths and toilets do not have floor drains, tiles, or ceramic. Additionally, the delivery room lacks an adjacent bath and toilet. The building does not have any available water source.

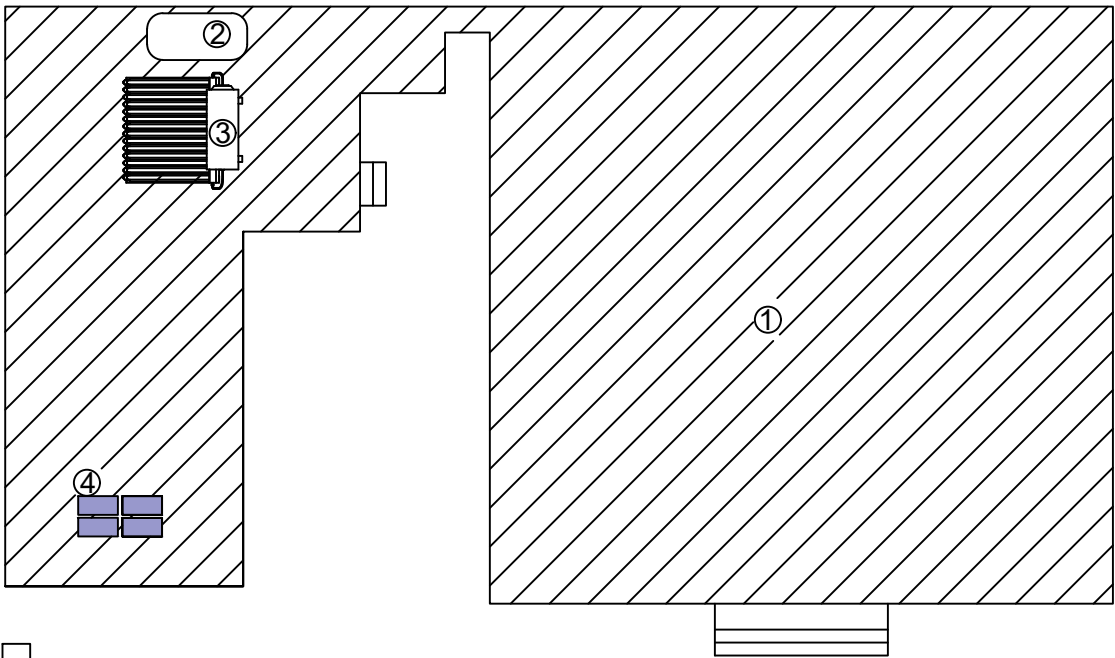
Solution:

- installation of the SHC plumbing system like P.P.R pipe for hot and cold water from the water sources to the sinks and flash tanks and waste drain system to septic tank
 - Construction of two pair double flash toilets with all needed materials one in OPD hall and other for delivery room and replacing the two dry latrine to toilets for male and female patients and staff.
 - Construction of a bore well in the clinic site to provide safe water for the clinic
 - Installation of the sinks and Floor Drain for all rooms clinic for hand washing facility
- construction of a new septic tank.



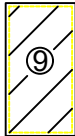
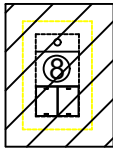
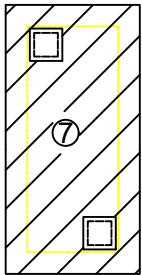
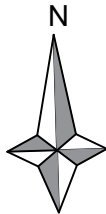
TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	-	DRAWING TYPE	cover page
DRAWN BY	M.Ismael	22-05-2024		HCF NAME	Takaghal	END DATE	-	E	66° 07' 57.344"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
APPROVED BY	Simon Wankuru	-							


TABLE OF CONTENT	
1	Health care center building
2	New plastic water tank 2000 lit
3	New Sun Water Boiler 200lit
4	New solar panels for water pump
5	Tap stand
6	Bore well to supply water for SHC
7	New septic tank for clinic
8	Existed incinerator structure
9	Existed latrines
10	New dug well for septic tank



New bore well is located at less 35m far from the latrines and septic tank

GHEGHANAK- S.H.C -AREA SITE PLAN



TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjanganl	START DATE	----	DRAWING TYPE	Site plan
DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
APPROVED BY	Simon Wankuru	-							

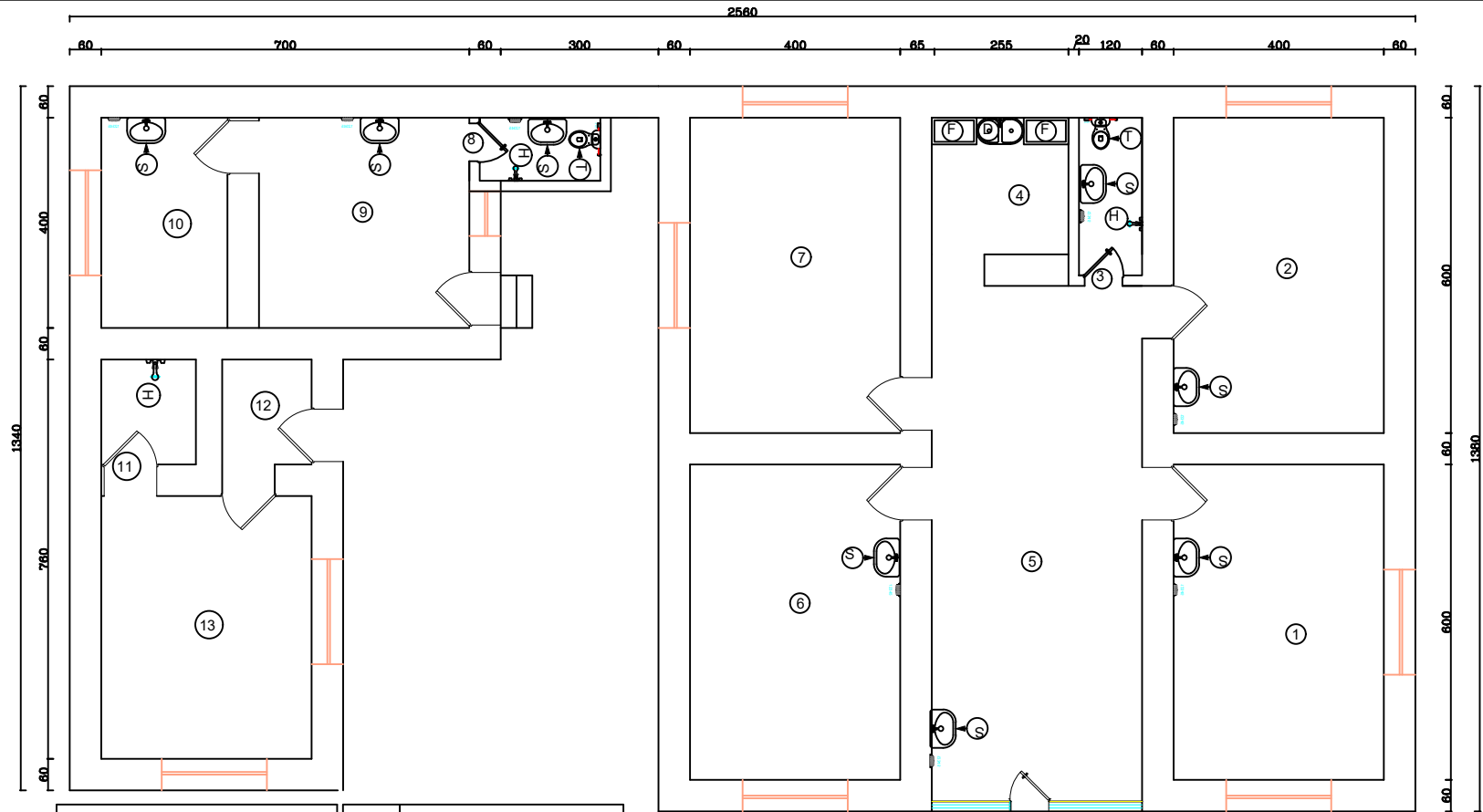
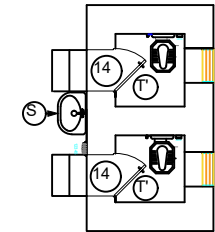


TABLE OF CONTENT FOR BUILDING PLAN	
1	Vaccination room(6x4)m
2	Nutrition room (6x4)m
3	New toilet &bath (2.7x1.2)m
4	kitchen (2.6x2.6)m
5	Hall(4X10)m
6	O.P.D(4X6)m
7	Medicine Stock(4X6)m
8	New toilet &bath (2x1.2)m
9	M.C.H room(4X4)m
10	Delivery room(4x2.4)m

11	Bath for clinic staff (2x1.8)m
12	Corridor (2x1.7)m
13	Clinic staff room (5x4)m
14	Toilets(1.2X1.3)
S	Sink complete sit with mirror
T	Stand WC washbasin
T'	Sitting WC washbasin
H	New head shower complete sit
D	New dish washing sink
F	NEW FLOOR CABINETS



TASK & RESPOSIBILITIES		DATE	NO OF PAGES 3/9	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	Main plan
DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
APPROVED BY	Simon Wankuru	-							

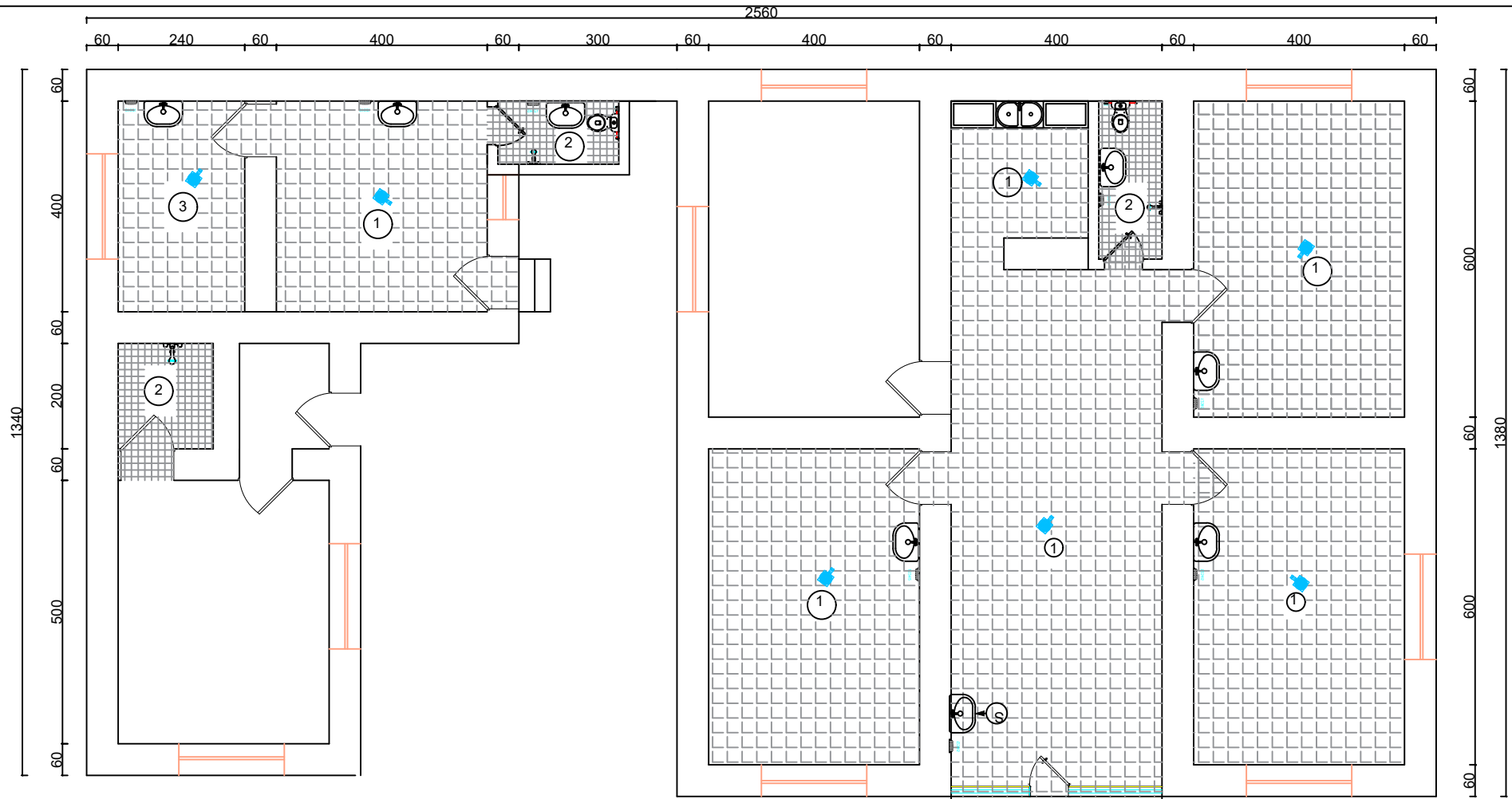
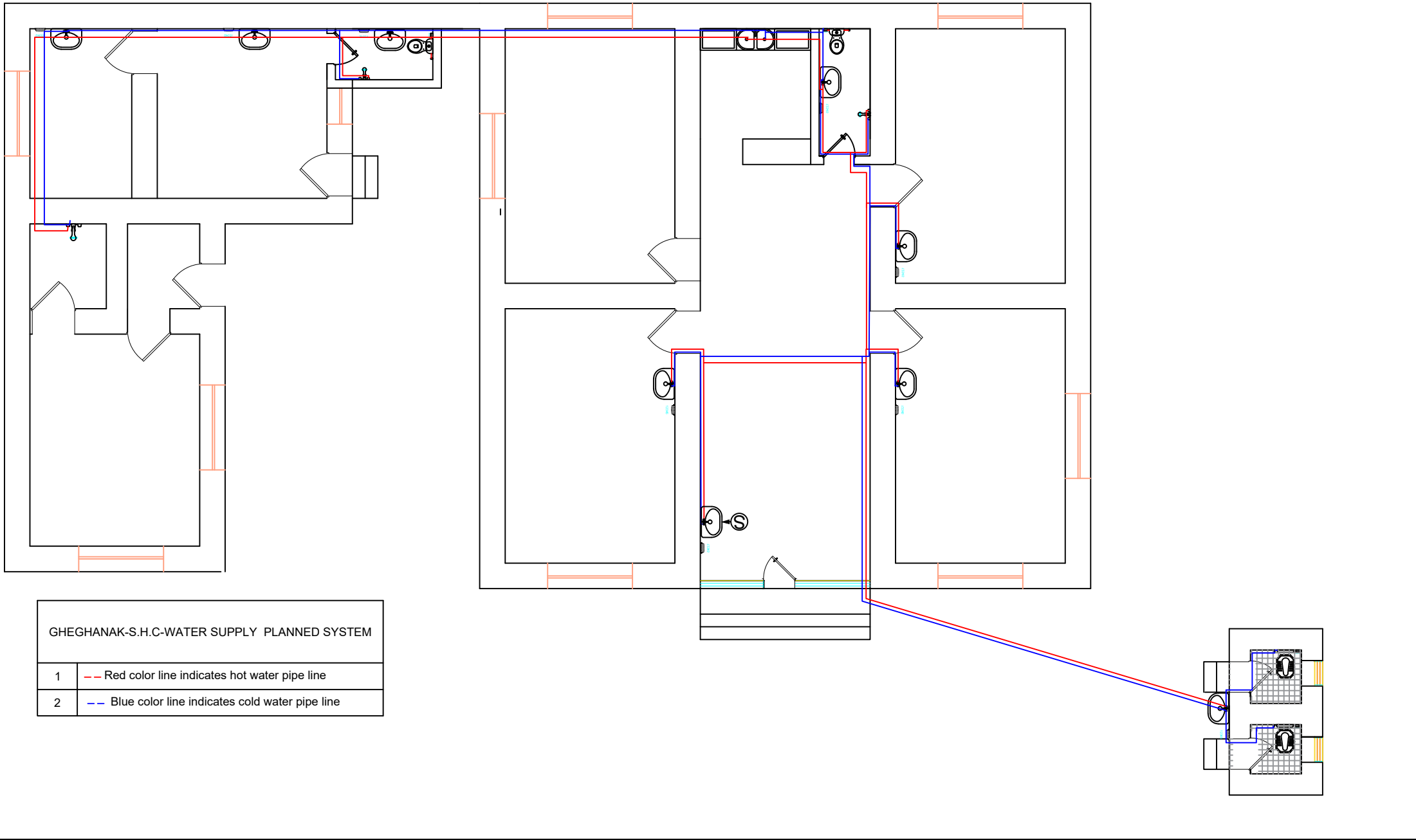


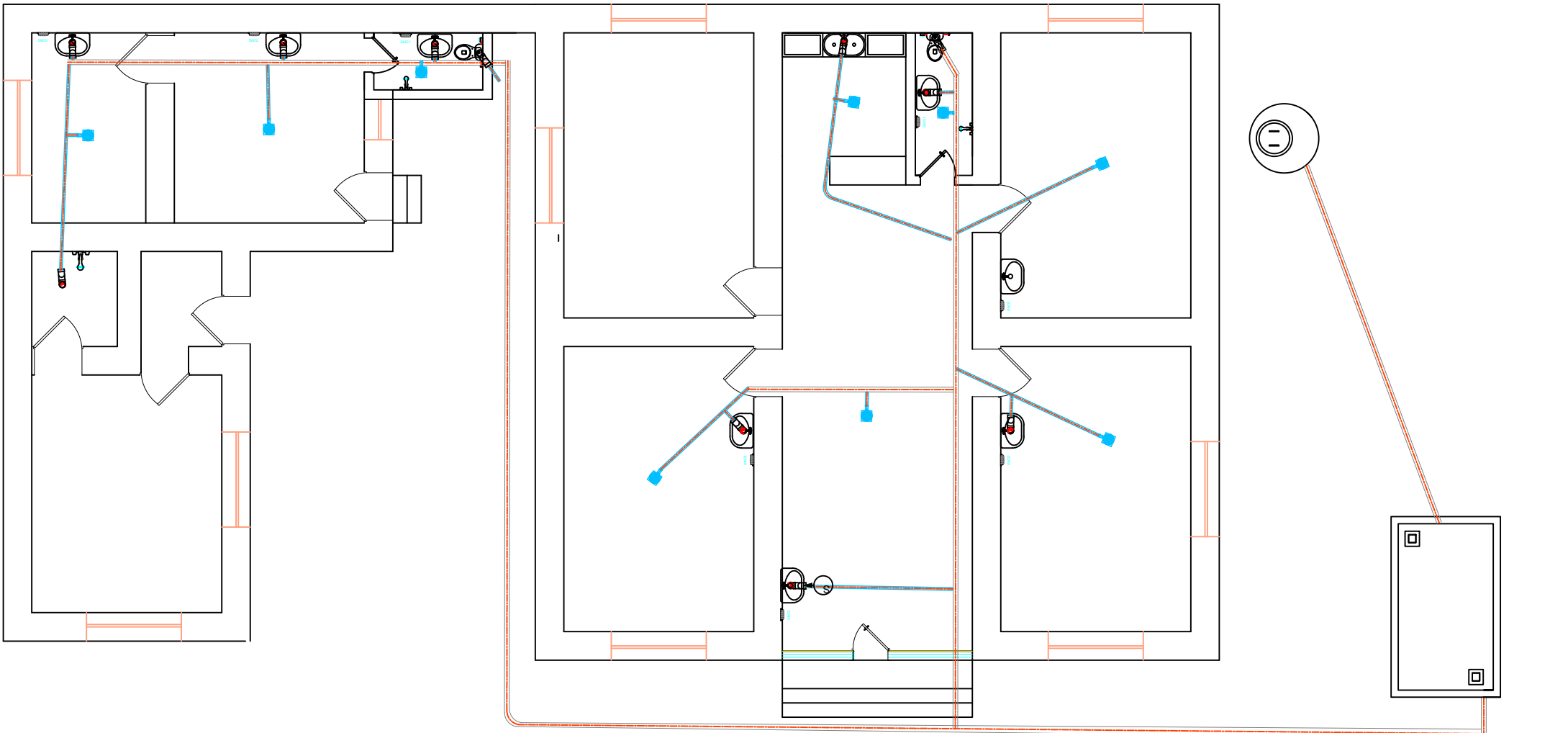
TABLE OF CONTENT FOR TILE& CERAMIC PLAN	
1	New ceramic plan for SHC floor
2	New tile plan for SHC floor
3	Existed tile plan for SHC floor

-All dimension are in centimeter, unless otherwise noted
 -The ceramic and tile hatched areas are under plan to be install ceramic and tile



	TASK & RESPOSIBILITIES		DATE	<div>4</div> <div>9</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	Tile & ceramic plan
	DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
	APPROVED BY	Simon Wankuru	-							



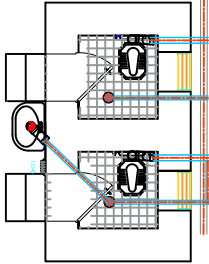
<div>act:onaid</div>	TASK & RESPOSIBILITIES		DATE	NO OF PAGES <div>5 9</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	SHC water supply plan
	DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
	APPROVED BY	Simon Wankuru	-							





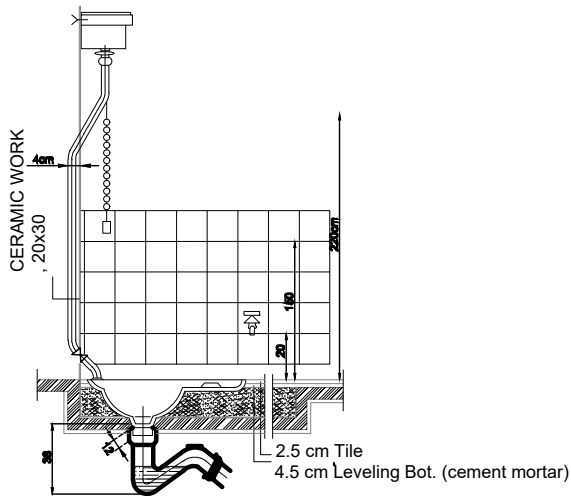
GHEGHANAK SHC WASTE WATER DRAINAGE PLANNED SYSTEM

- Note:
-  This form indicates swab
 -  This form indicates siphon

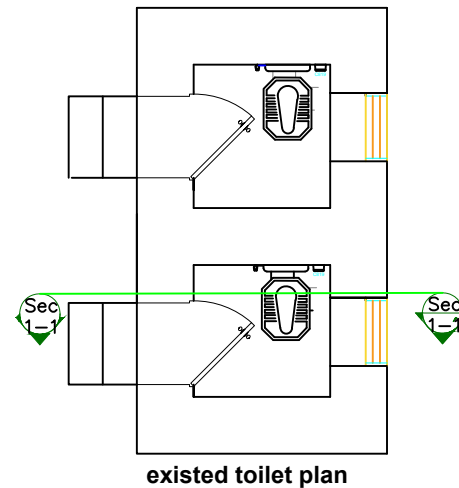
The building waste water drainage system is new



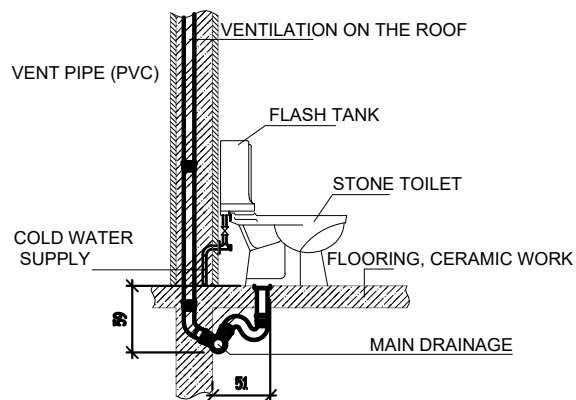
	TASK & RESPOSIBILITIES		DATE		PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	Waste water Drainage plan
	DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
	APPROVED BY	Simon Wankuru	-							



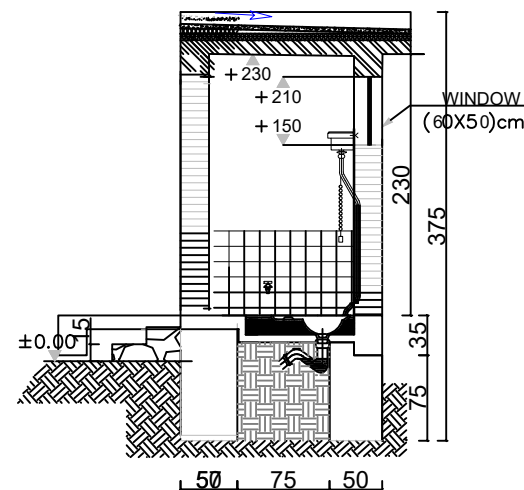
**DIMENSION AND CONNECTION DETAILS
PLACEMENT OF EASTERN TOILETS**



existed toilet plan



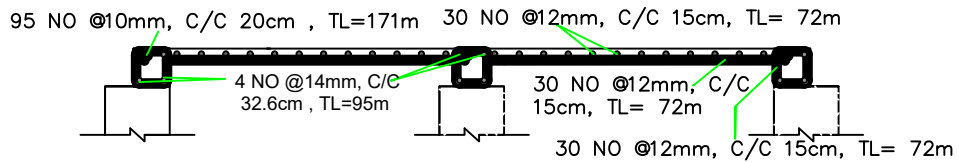
TYPICAL TOILET INSTALLATION



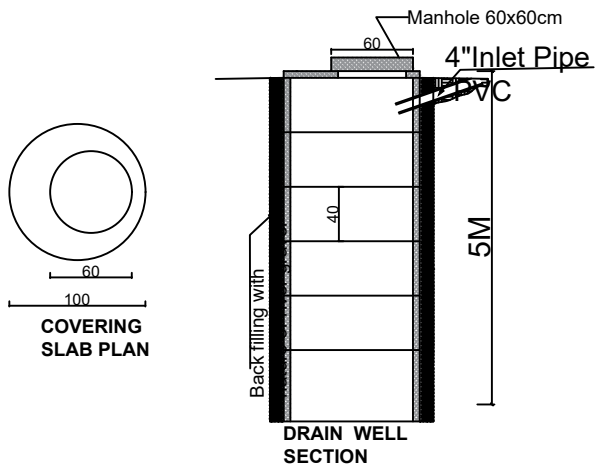
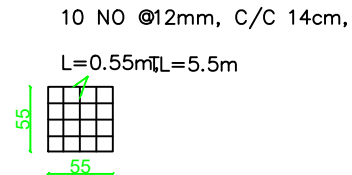
SECTION 1-1

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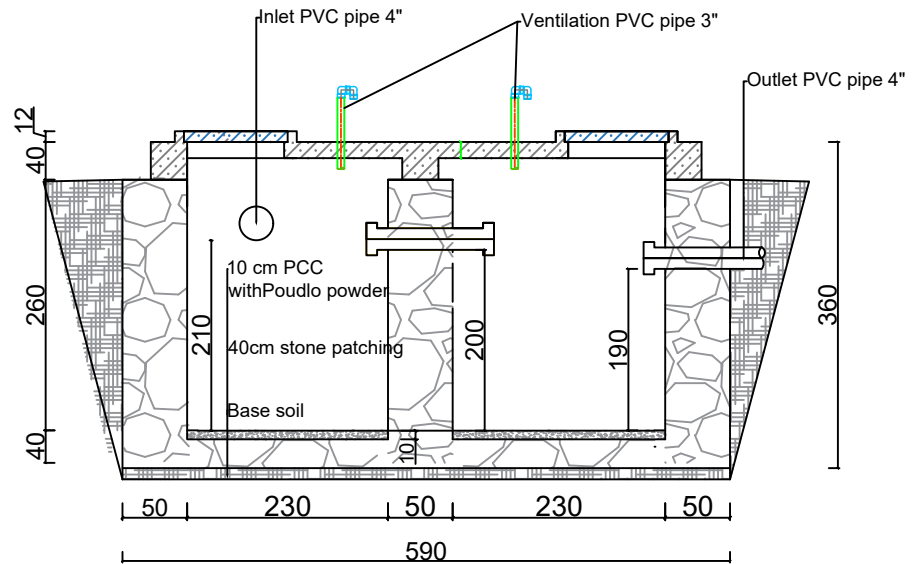
TASK & RESPOSIBILITIES		DATE	NO OF PAGES 7 9	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	Toilets plan and elevation
DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
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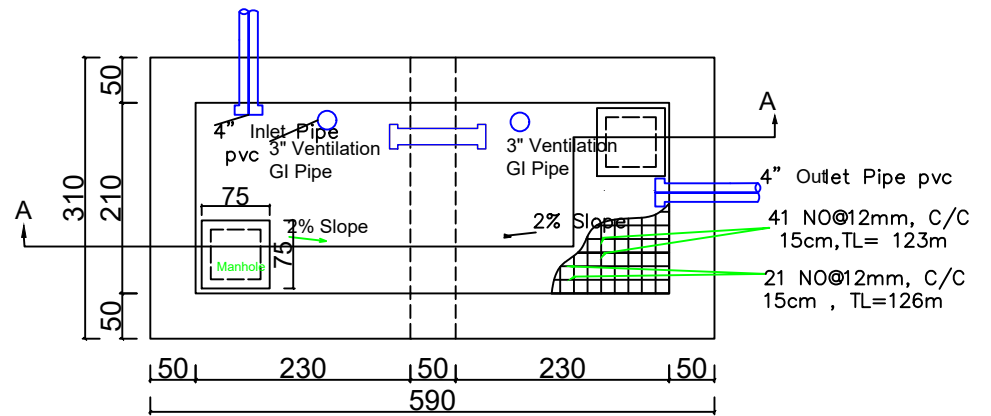
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL



NEW DRAIN WELL FOR SEWERAGE SYSTEM



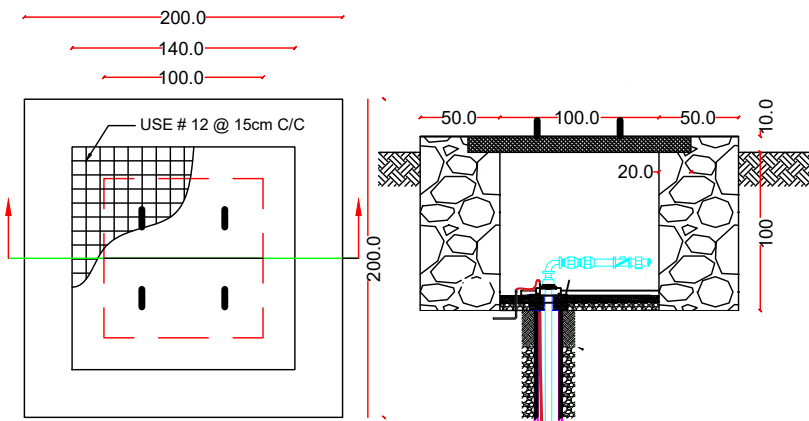
SEPTIC TANK SECTION A-A



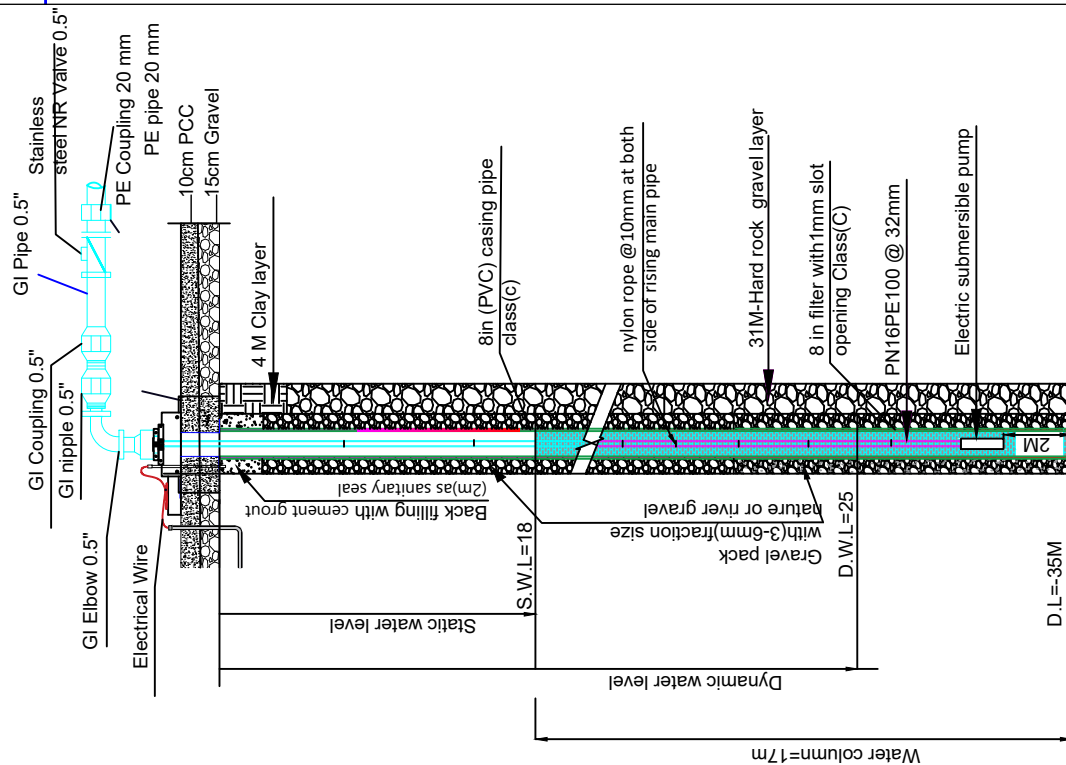
NEW SEPTIC TANK PLAN

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DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
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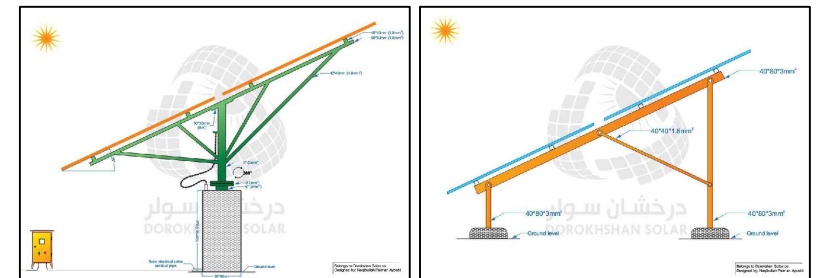
Manhole at Well Point



SECTION B-B



SOLAR PANEL ARRAY SYSTEM



NOTE:

- We found that the clinic doesn't have any independent water source it's a village pipe scheme tap stand and the people banding the HF tap pipe line during dry season(fall season) so we considered a bore well structure for the HF
- Solar panel array stand made of aluminum profiles (4x8 & 4x4)cm
- 4 #Solar panel (PROPSOLAR 270W Poly crystalline 37.9V 9.22A)
- Price of solar and array boundary is specified in BoQ

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SURVEYED BY	Farid Qaderi	26-02-2024		DISTRICT	Lal & Sarjantal	START DATE	----	DRAWING TYPE	Bore well plan and section
DRAWN BY	M.ismael	22-05-2024		HCF NAME	Takaghal	END DATE	----	E	66° 07' 57.344"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	34° 32' 14.094"
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