



LAFRAH SHC



DRAWINGS

AS- BUILT & NEW
STRUCTURES

GHOR, FIROZKOH, AFGHANISTAN

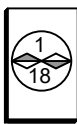
Founded Problems in Lafrah Sub Health Center(SHC):

- The building lacks access to a water source.
 - The building does not have water supply, wastewater system.
 - The dry latrines need to be replaced with a toilet system that includes a flush tank.
 - 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.
- there is no enough toilet for patients and clinic staff

Solution:

- _ Establishment 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 wastewater to septic tank
 - _ Construction of two flash toilets with all needed material for male and female (staff and patients).
 - _ nstallation of the sinks and Floor Drain for all clinic rooms and hand washing facility
 - _ construction of a new septic tank.
 - _ construction of an incinerator structure, drain pits (sharp waste pit and placenta pit) and rings for placenta and sharp waste pits and a protection fence around the incinerator and pits for the Lafrah SHC
 - _ installation of kitchen fixtures like dish washing sink and cabinet
- Construction of two Solar Water Supply Systems for the Clinic and Gawkoshta-community (one system will provide water from the existing collection box to Reservoir#1 and the other will transfer from Reservoir#1 to Reservoir #2(the total length of the system is 3308M with two RCC reservoir#1=4M3 and reservoir#2=17.5 M3 and four public stand taps)



TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	-	DRAWING TYPE	cover page
DRAWN BY	M.Ismael	6-06-2024		HCF NAME	Lafrah	END DATE	-	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

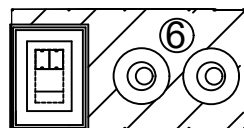
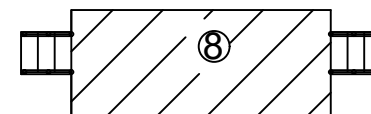
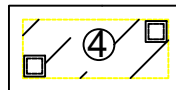
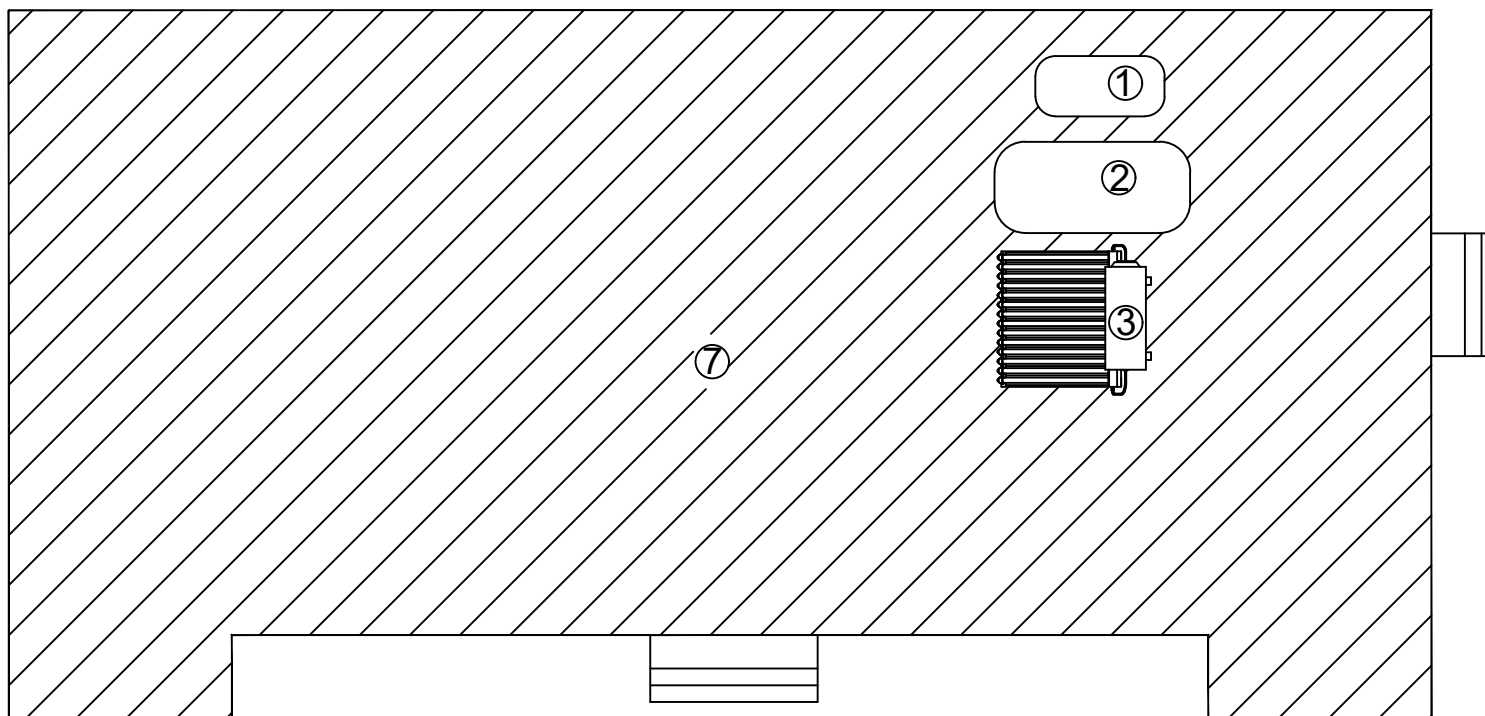
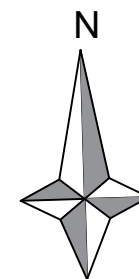



TABLE OF CONTENT	
1	New plastic water tank 1000 lit
2	New plastic water tank 2000 lit
3	New Sun Water Boiler 200lit
4	New septic tank for clinic
5	New dug well for septic tank
6	New incinerator structure
7	Health care center building
8	New toilet for male and female



LAFRAH- S.H.C -AREA SITE PLAN



TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Site plan
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

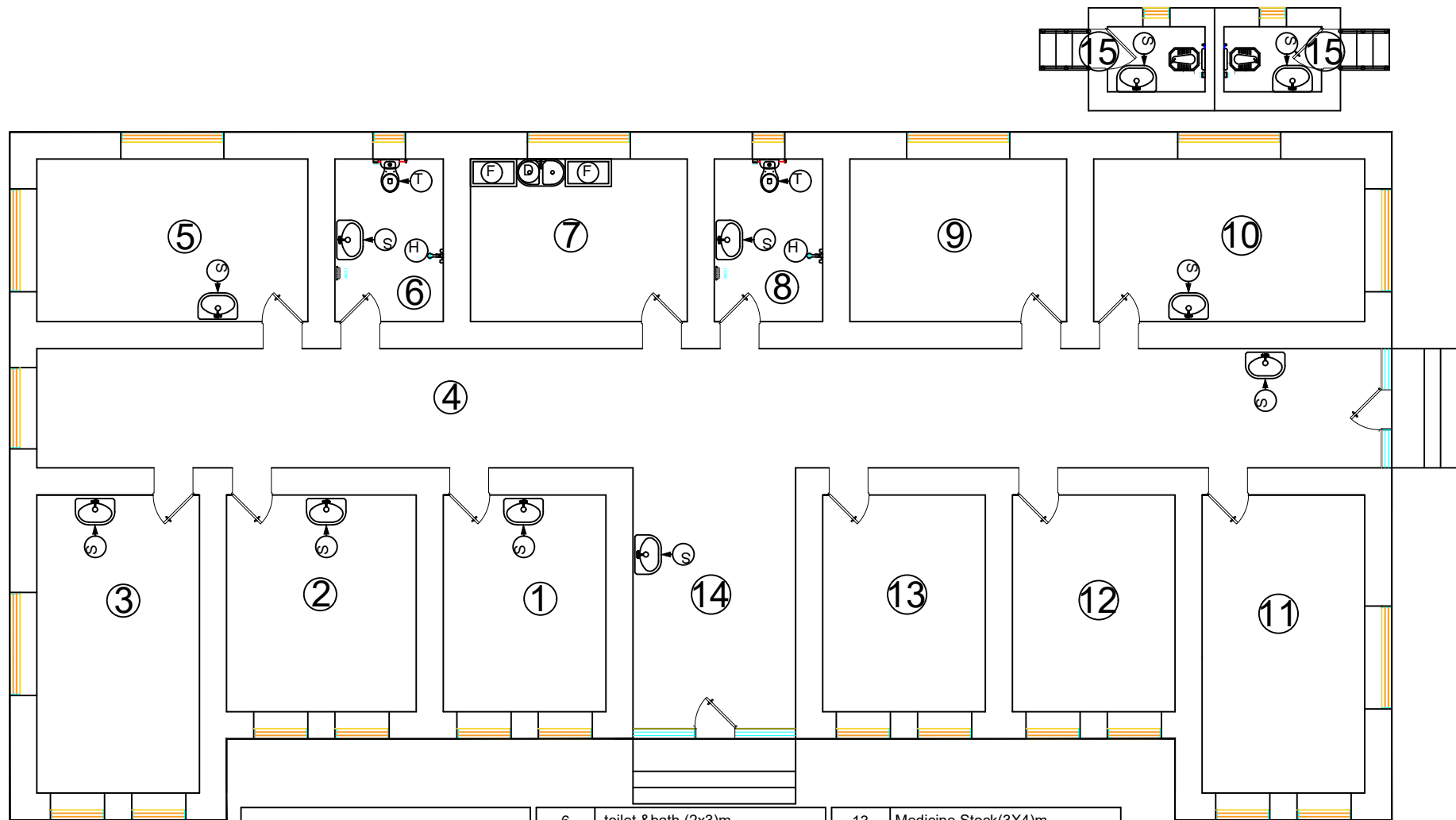


TABLE OF CONTENT FOR BUILDING PLAN

1	Vaccination room(3x4)m	6	toilet &bath (2x3)m	13	Medicine Stock(3X4)m
2	Nutrition room (3.5x4)m	7	kitchen (3x4)m	14	Corridor (3X4.5)m
3	M.C.H room(3X5.5)m	8	toilet &bath (2x3)m	15	New toilet for male&female 2No(1.8X1.2)m
4	Hall(2.2X24.5)m	9	Pharmacy (4X3)m	S	Sink complete sit with mirror
5	Delivery room(3x5m)	10	O.P.D room(5X3)	T	Stand WC washbasin
		11	Clinic staff room (3x5.5)m	H	New head shower complete sit
		12	Nutrition stock (3X4)m	D	New dish washing sink
				F	NEW FLOOR CABINETS

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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 3 18	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Main plan
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

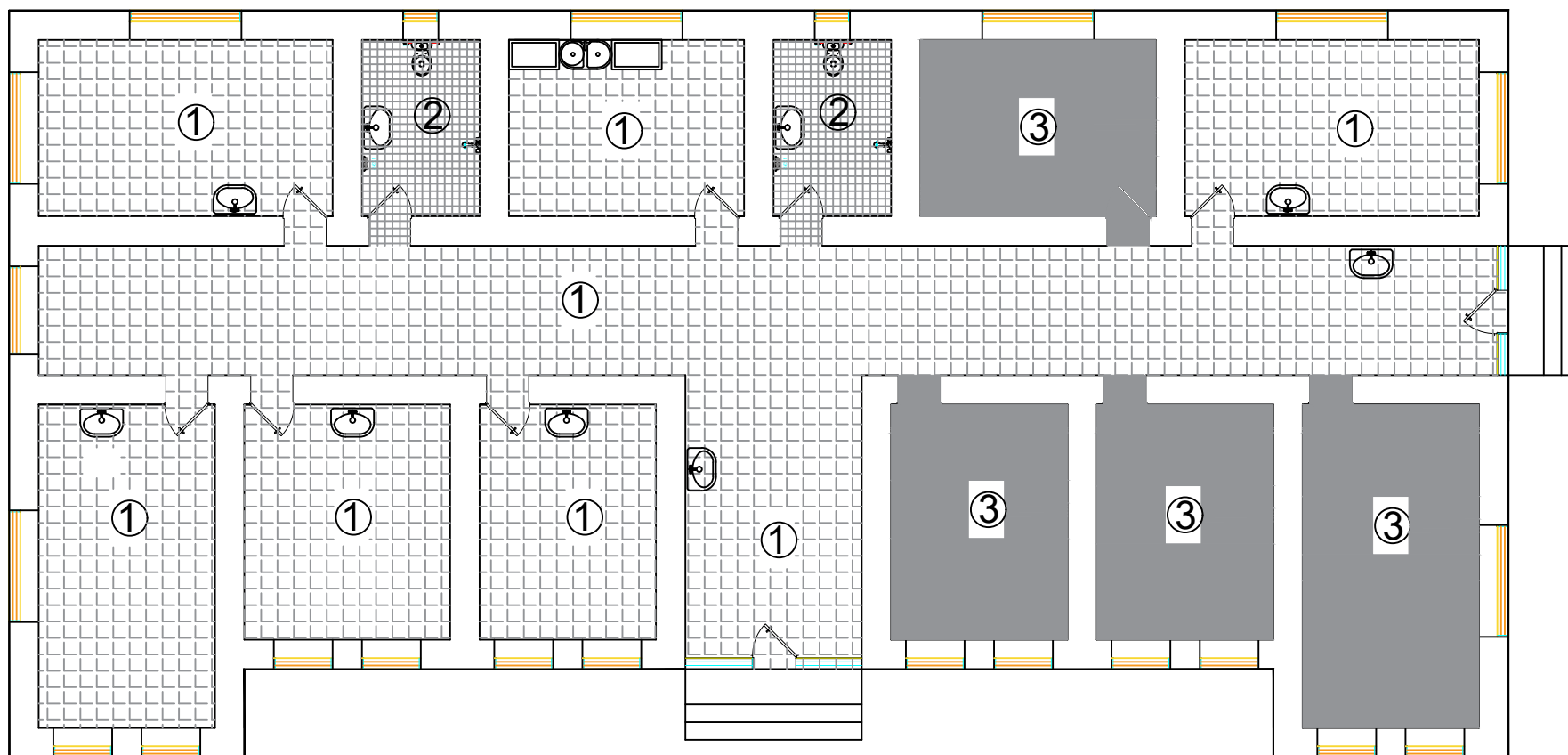

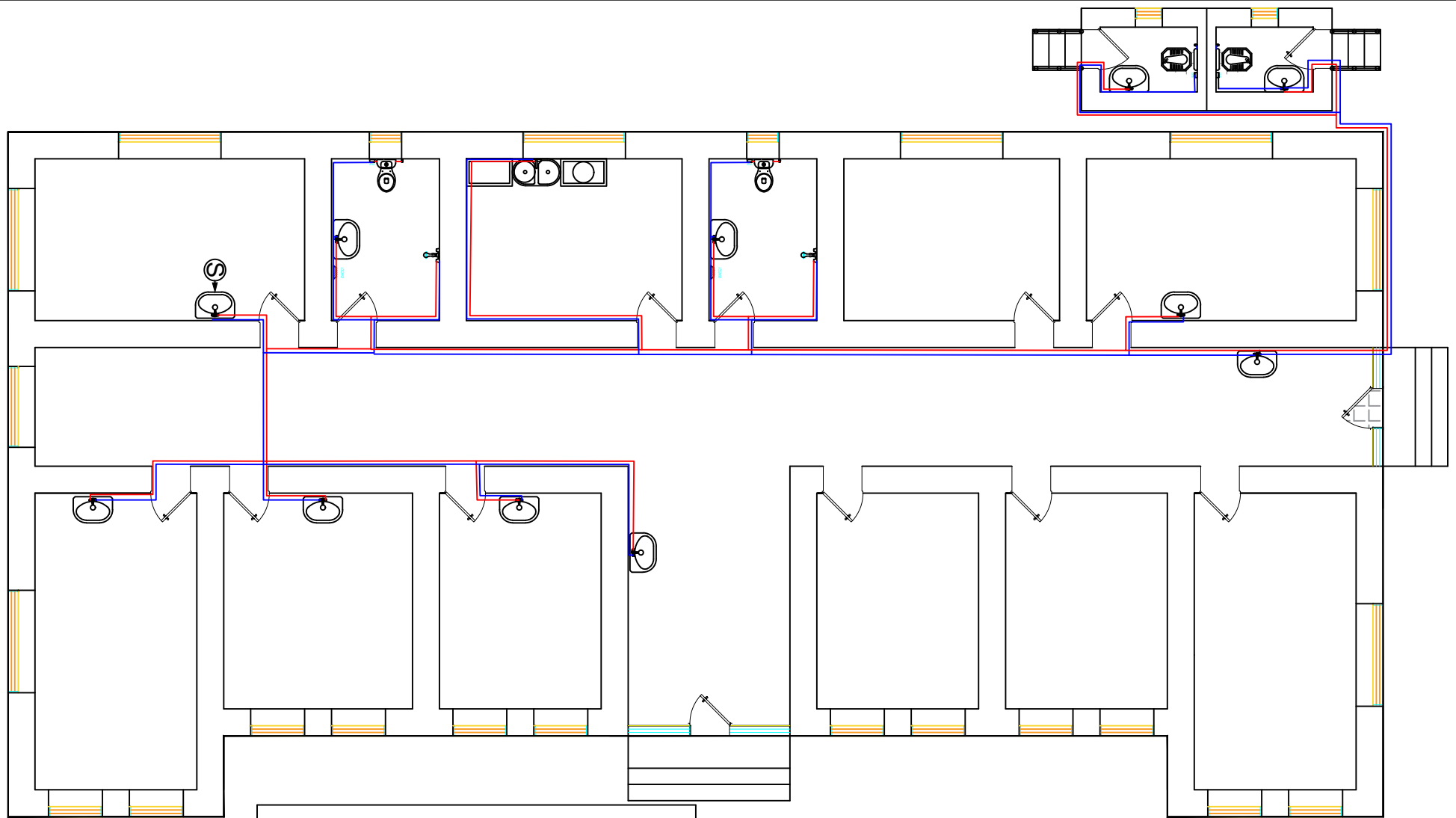


TABLE OF CONTENT FOR TILE, CERAMIC AND CONCRETE PLAN	
1	New ceramic plan for SHC floor
2	New tile plan for SHC floor
3	New concrete plan for SHC floor

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

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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Tile & ceramic plan
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

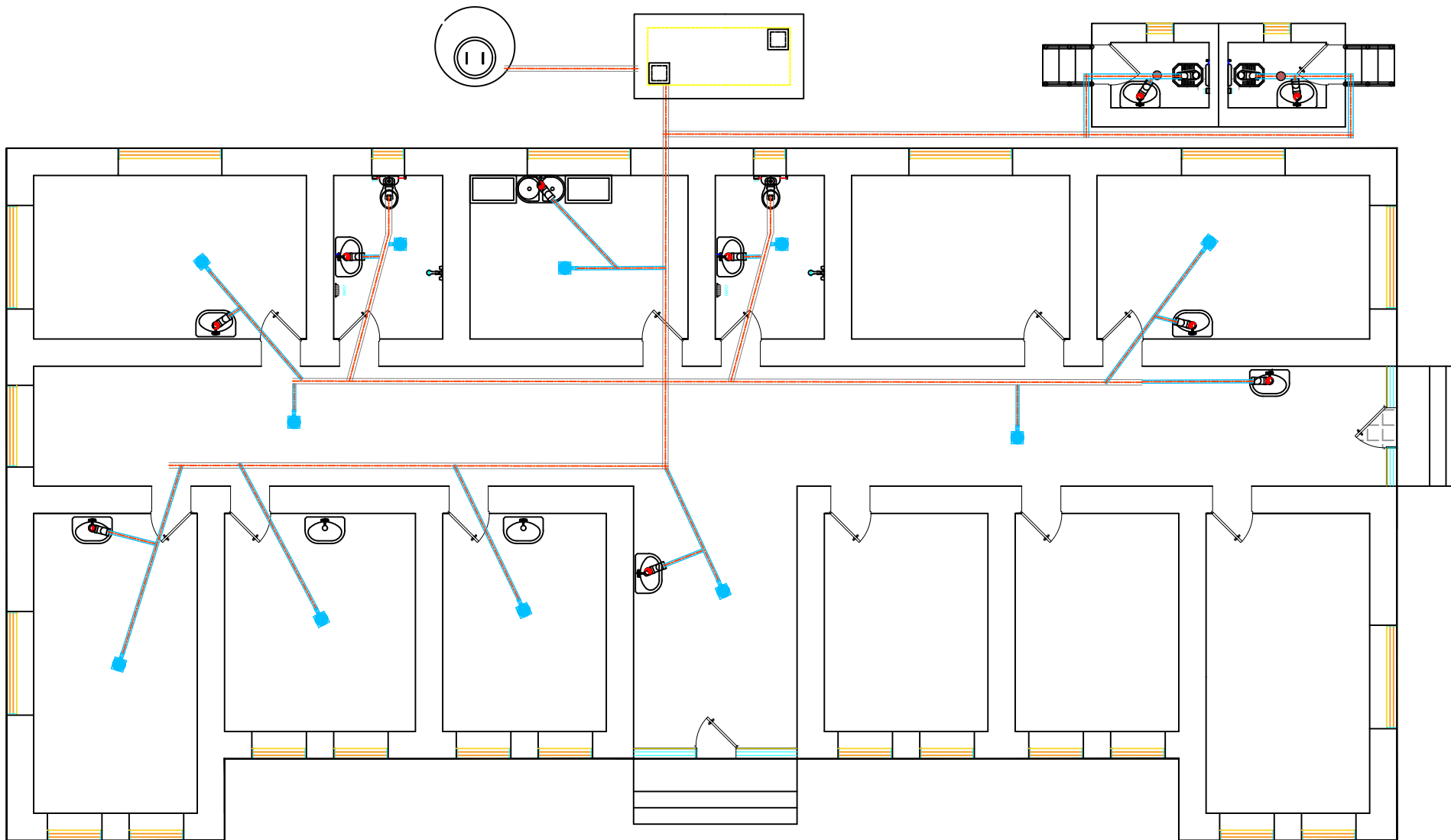


LAFRAH-S.H.C-WATER SUPPLY PLANNED SYSTEM

- | | |
|---|--|
| 1 | -- Red color line indicates hot water pipe line |
| 2 | -- Blue color line indicates cold water pipe line |
| 3 | The building water will supply by new solar water supply system. |

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TASK & RESPONSIBILITIES		DATE	NO OF PAGES <div>5 18</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	SHC water supply plan
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							



LAFRAH SHC WASTE WATER DRAINAGE PLANNED SYSTEM

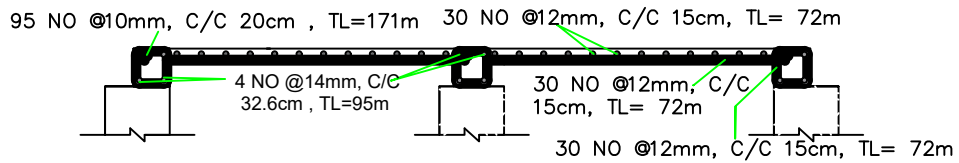
Note:

- This form indicates swab
- This form indicates siphon

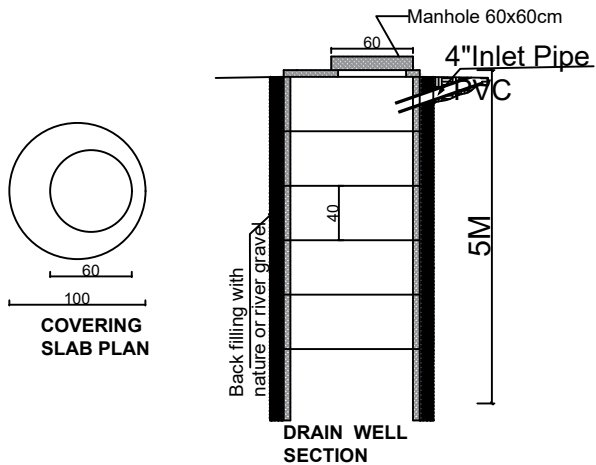
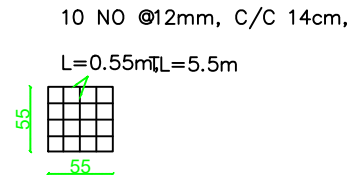
The building waste water drainage system is new

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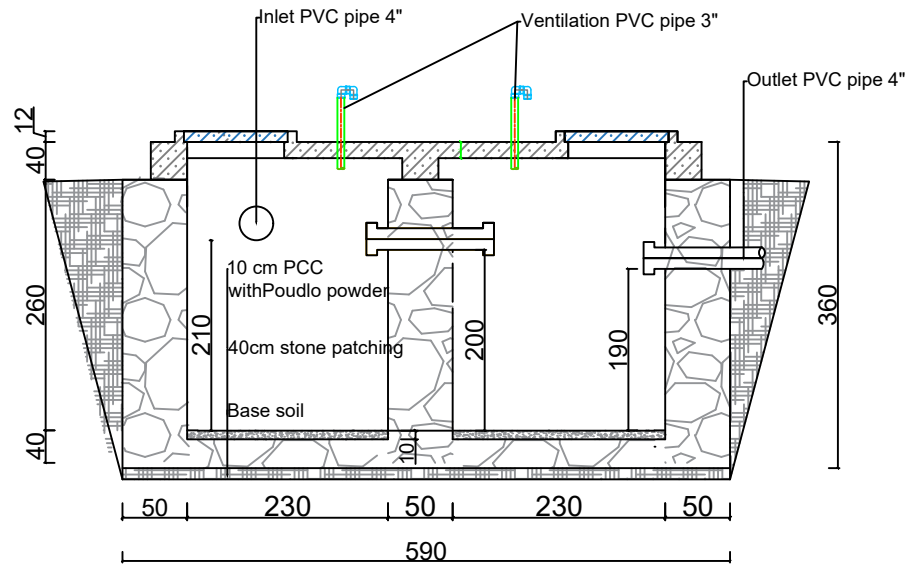
TASK & RESPOSIBILITIES		DATE	NO OF PAGES <div>6 18</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Waste water Drainage plan
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							



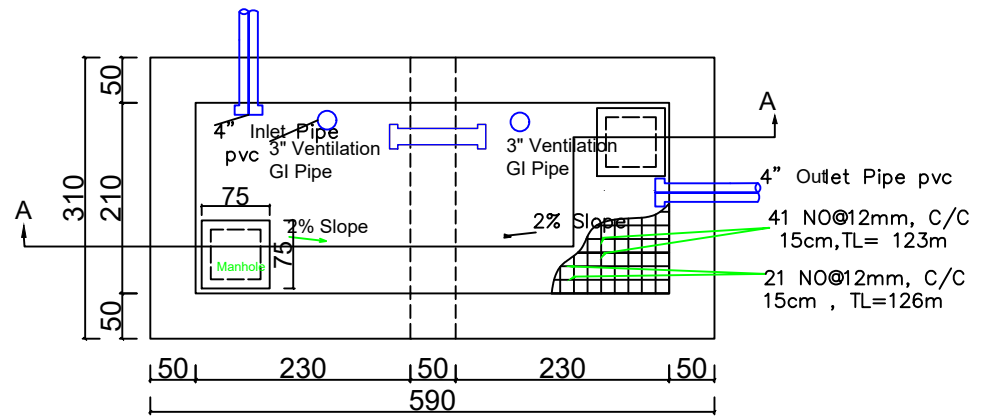
SEPTIC TANK BEAM AND SLAB BAR BENDING DETAIL



NEW DRAIN WELL FOR SEWERAGE SYSTEM




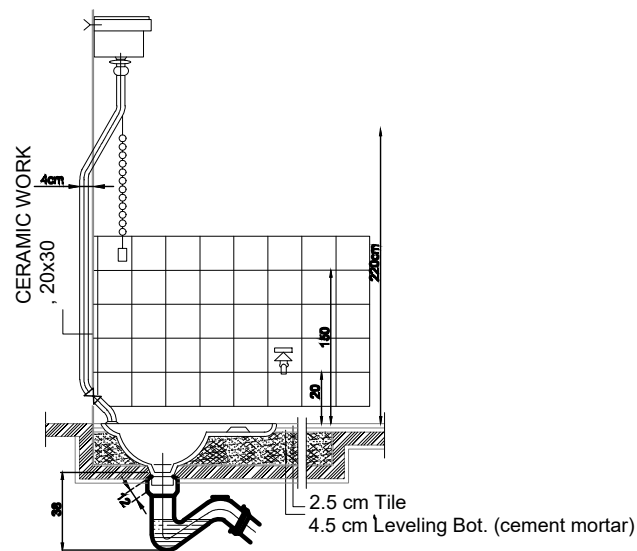
SEPTIC TANK SECTION A-A



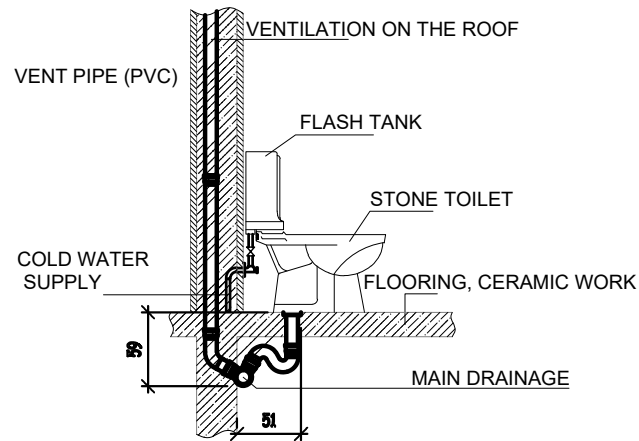
NEW SEPTIC TANK PLAN

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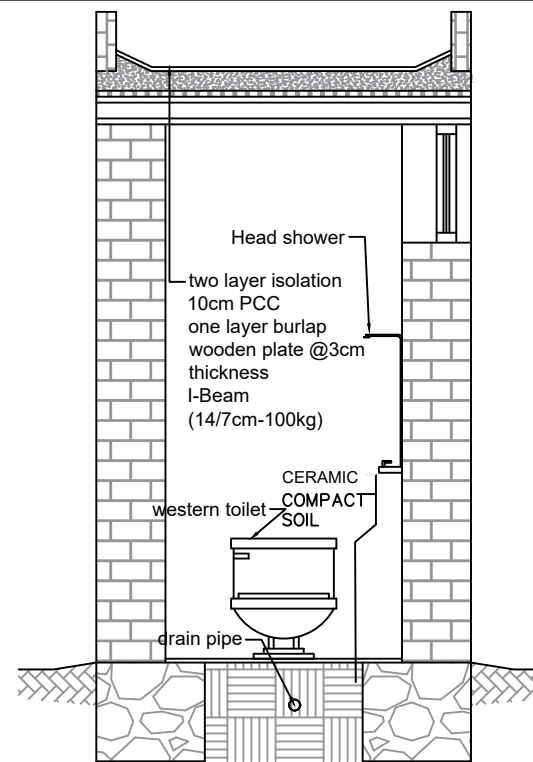
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SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	SEPTIC TANK PLAN
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							



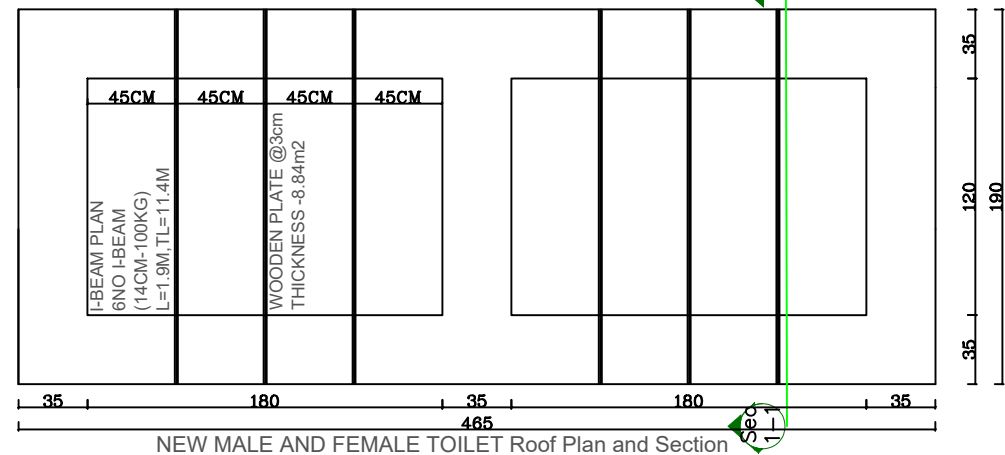
**DIMENSION AND CONNECTION DETAILS
PLACEMENT OF EASTERN TOILETS**



TYPICAL TOILET INSTALLATION



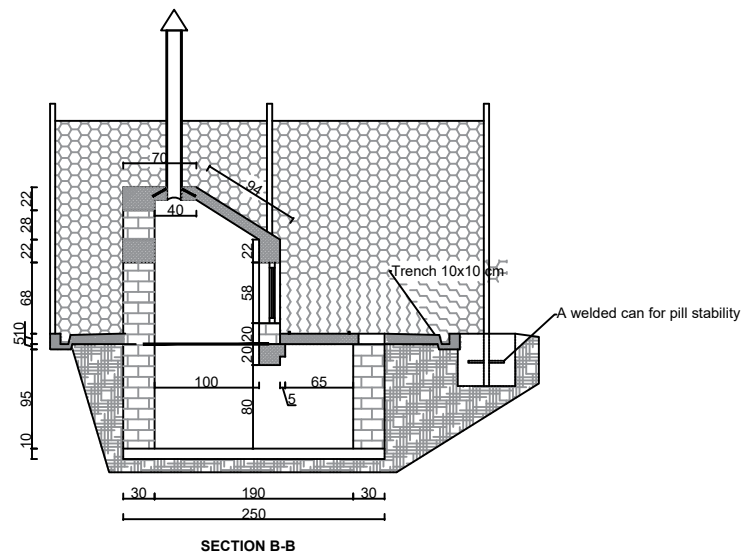
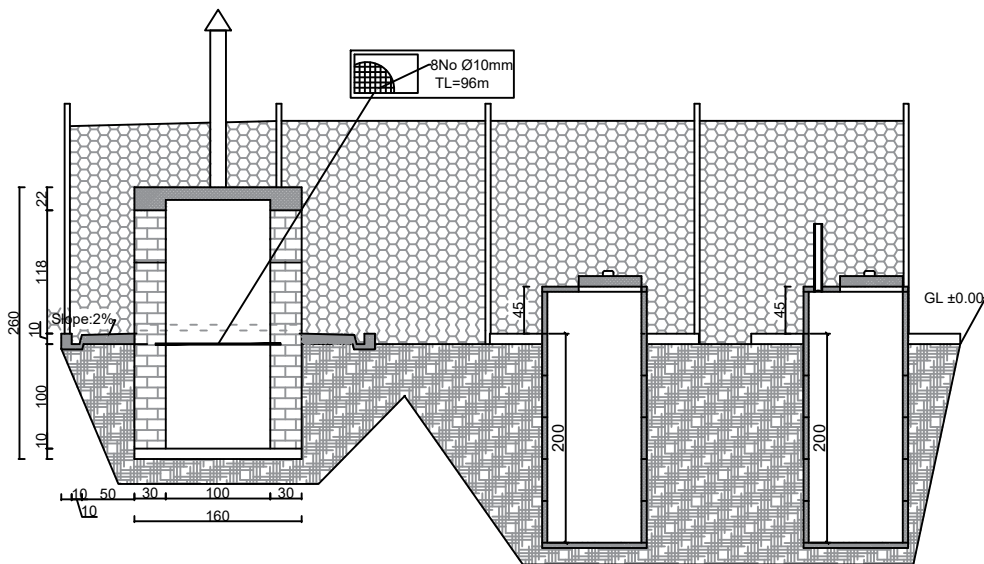
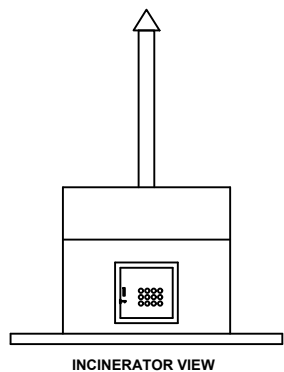
New toilet section 1-1



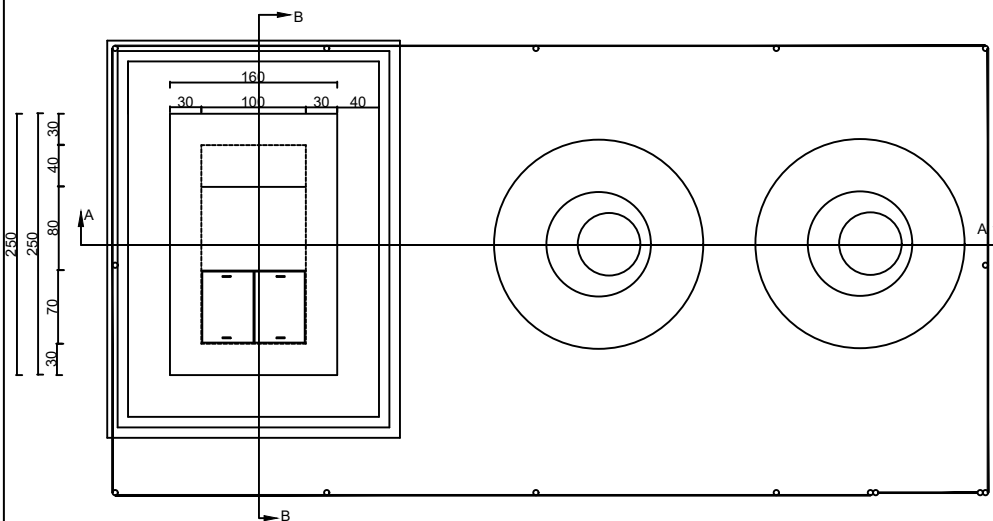
NEW MALE AND FEMALE TOILET Roof Plan and Section

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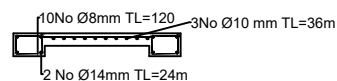
TASK & RESPONSIBILITIES		DATE	NO OF PAGES 8 18	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Toilets & sink insralation
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							



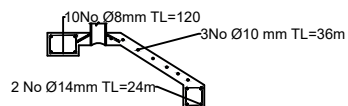
SECTION A-A



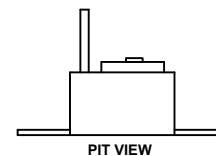
INCINERATOR PLAN



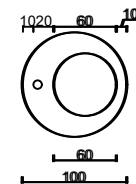
UPPER BEAM & SLAB DETAIL



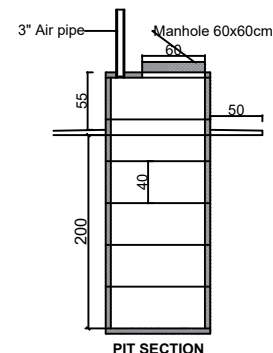
DRAW PART SECTION



PIT VIEW



PIT PLAN

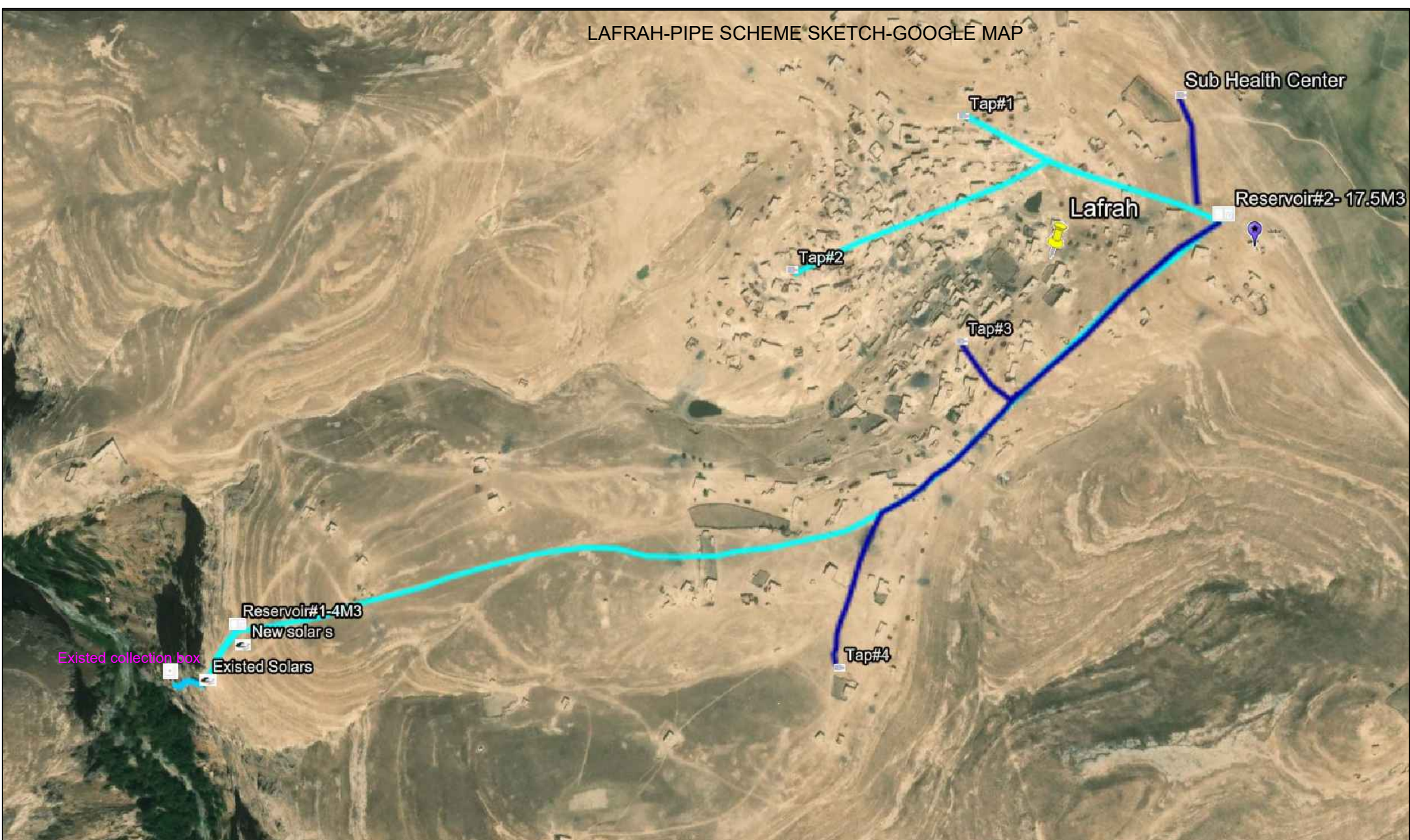


PIT SECTION

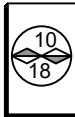
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




TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Incinerator plan & section
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

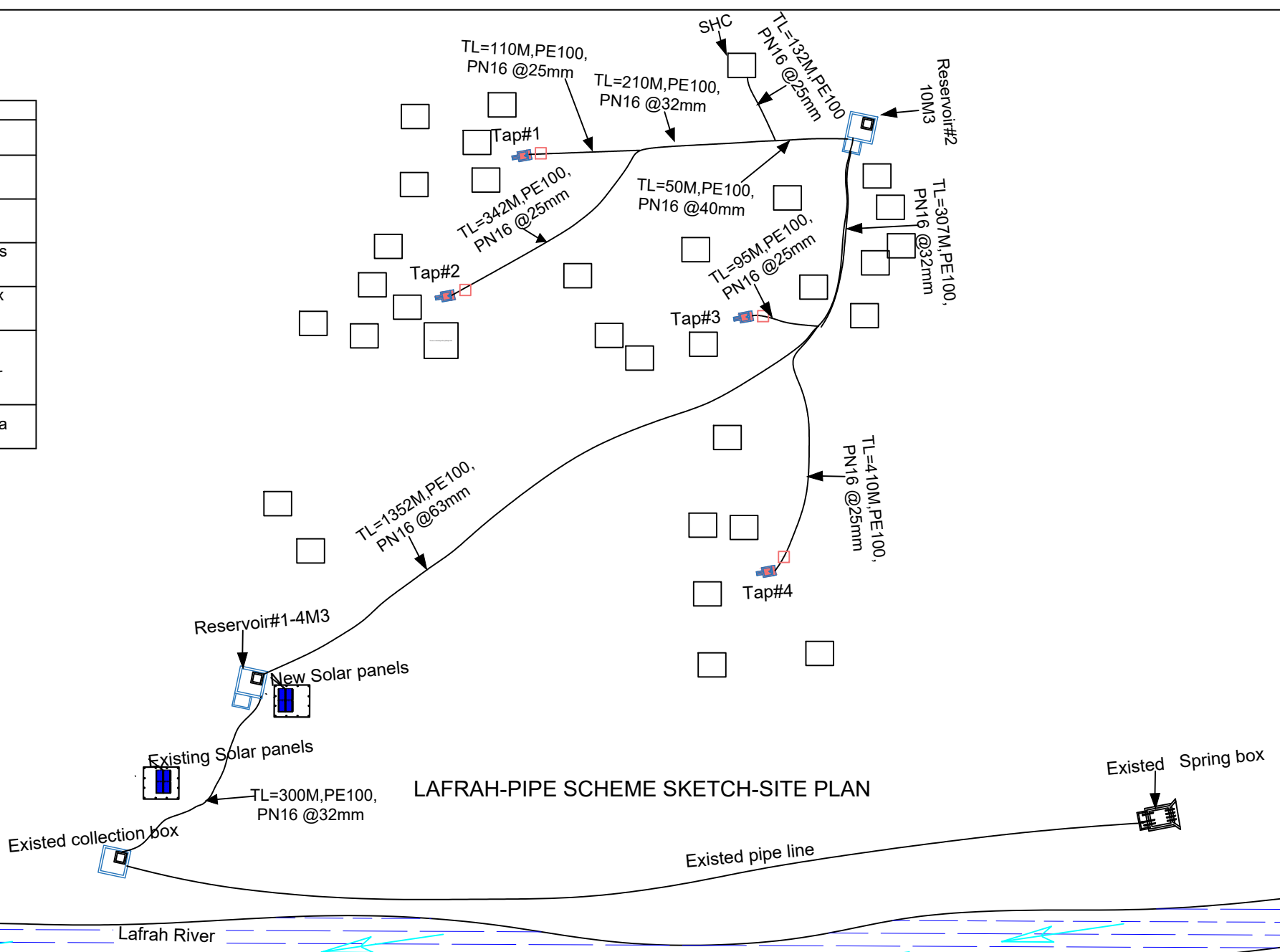
LAFRAH-PIPE SCHEME SKETCH-GOOGLE MAP




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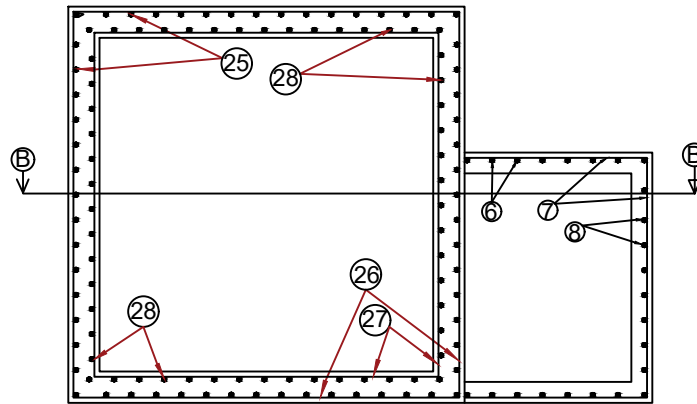
TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Google map of Lafra
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

Legends		
#	Symbols	Caption
1		Masjid
2		House
3		Stand taps
4		Meter box
5		RCC Reservoir
6		Solar Area

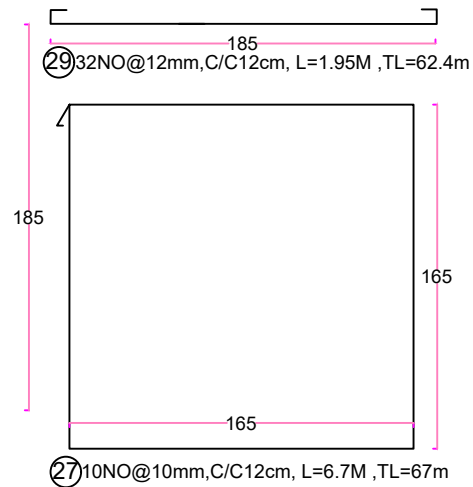
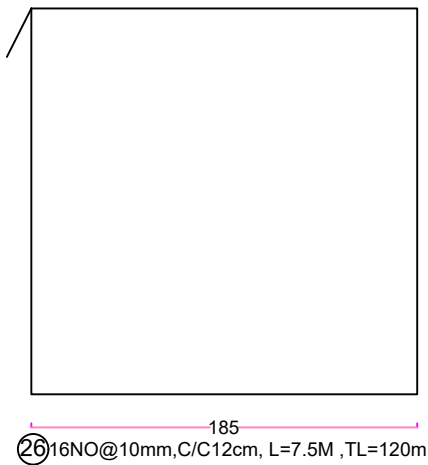
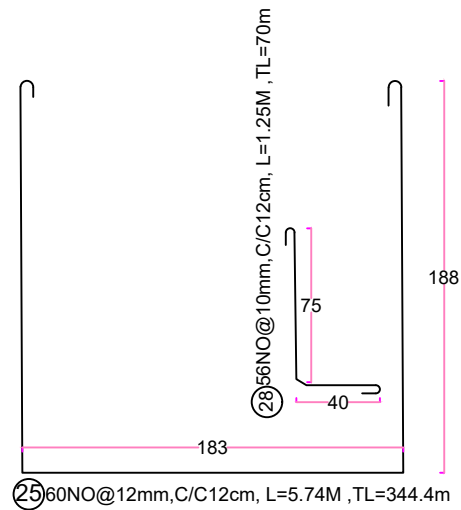
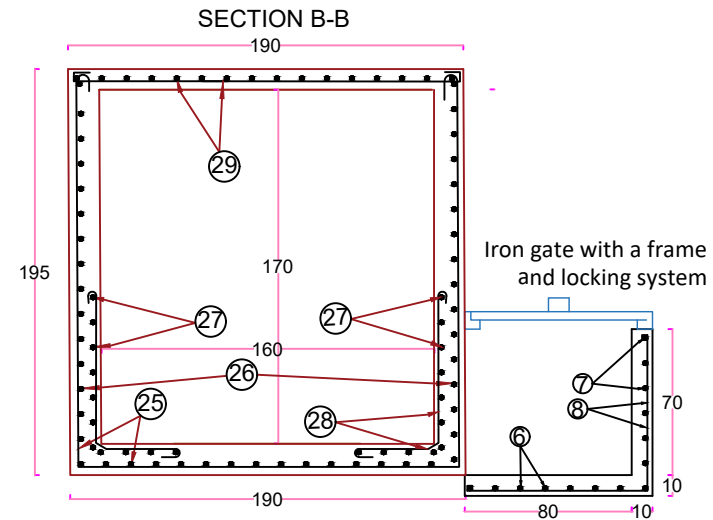


	TASK & RESPOSIBILITIES		DATE	<div>NO OF PAGES</div> <div> <div>11</div> <div>18</div> </div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	site plan for water network
	DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
	APPROVED BY	Simon Wankuru	-							

REINFORCEMENT PLAN FOR 4M3 RCC RESERVOIR



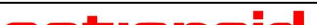

REINFORCEMENT SECTION FOR 4M3 RCC RESERVOIR



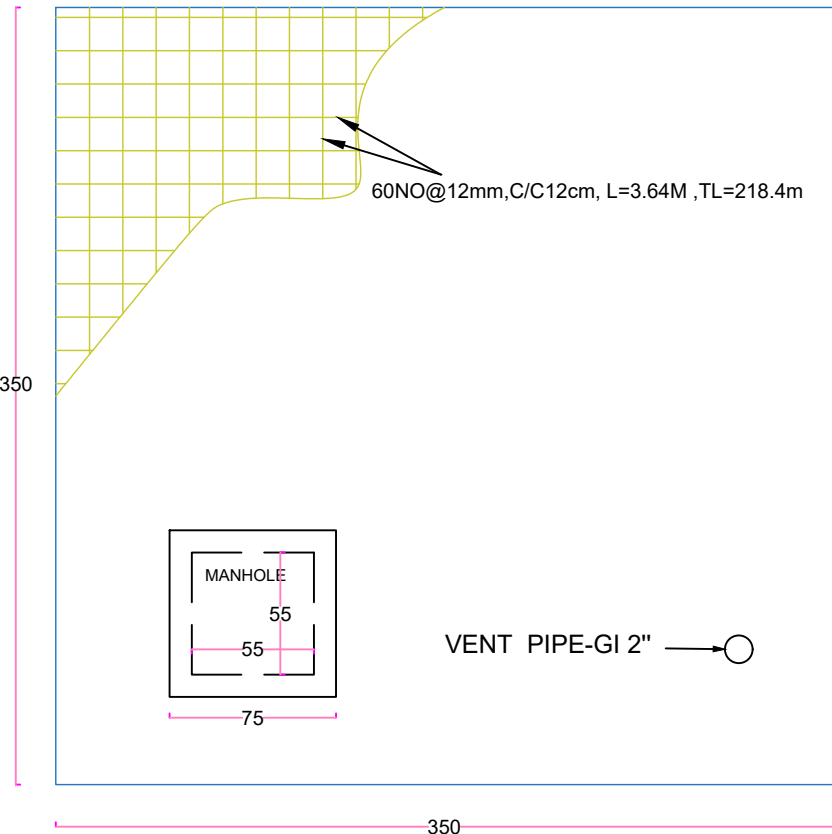
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TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Reinforcement of reservoir#1
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							

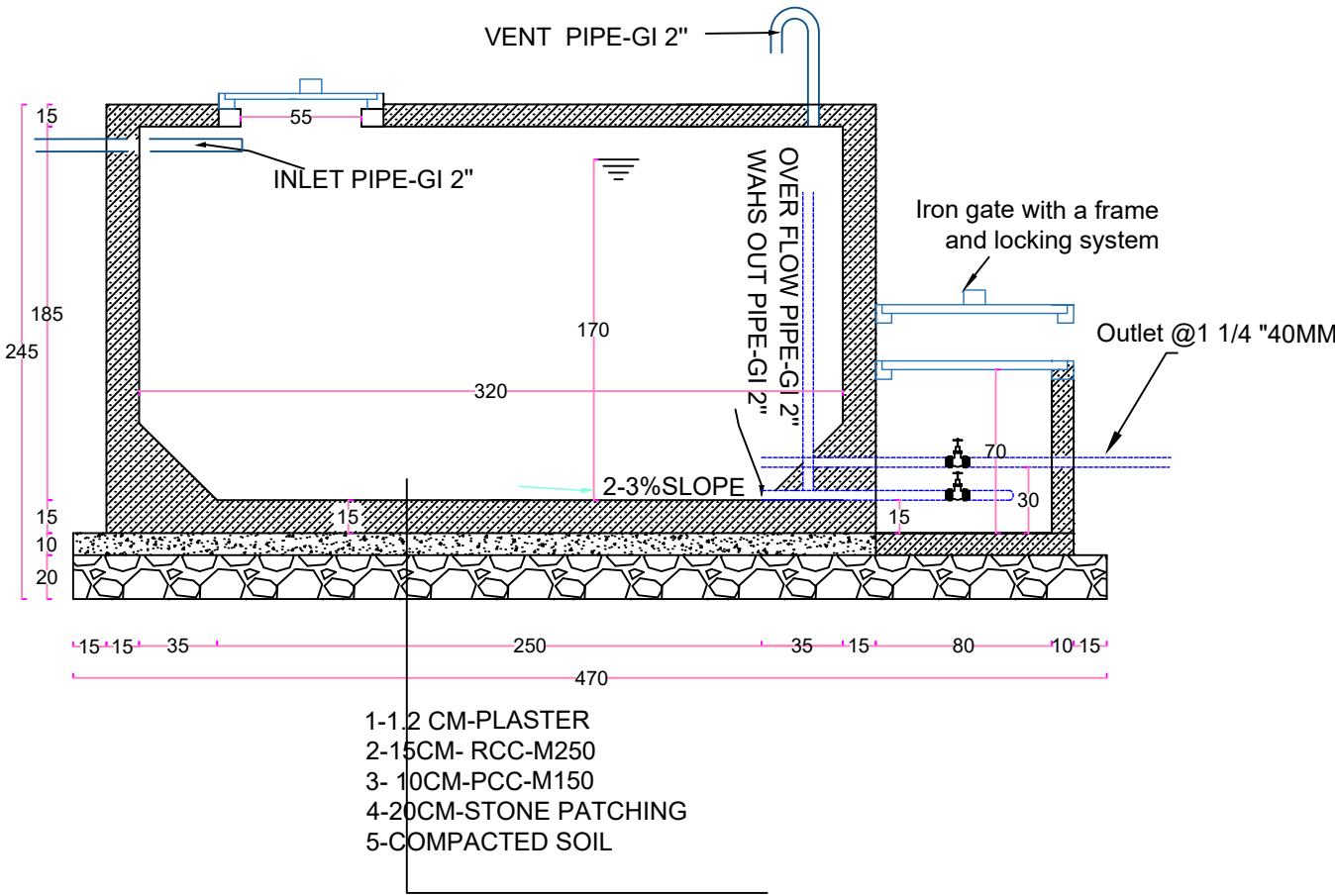
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	TASK & RESPOSIBILITIES		DATE		PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Plan of reservoir#2
	DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
	APPROVED BY	Simon Wankuru	-							

ROOF PLAN FOR 17.5M3-RCC RESERVOIR

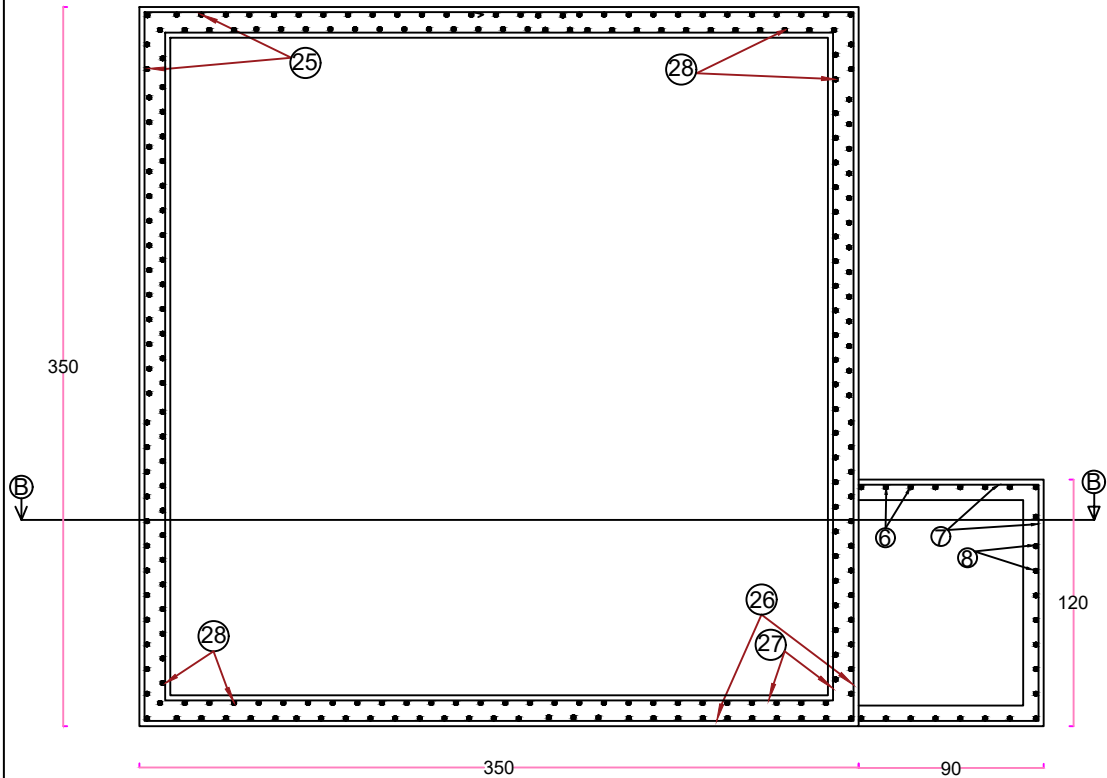


SECTION A-A

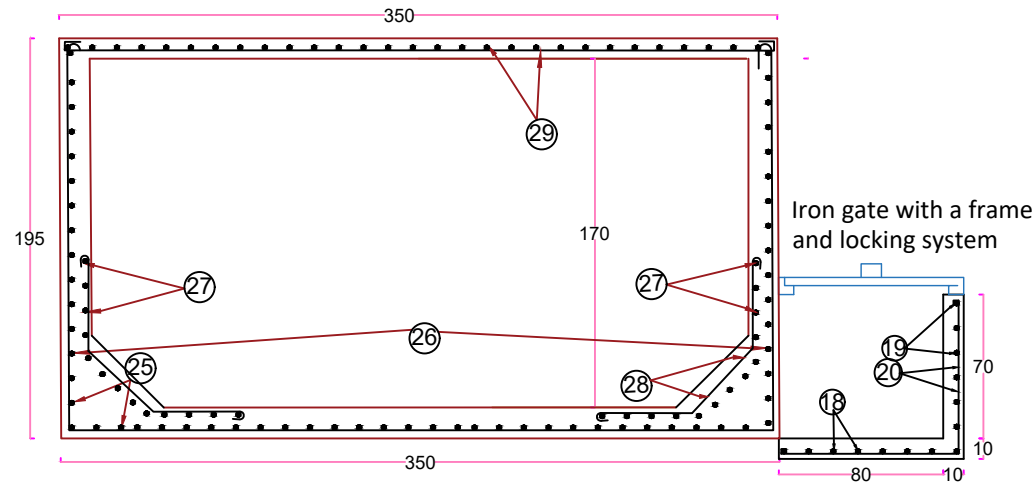


	TASK & RESPOSIBILITIES		DATE	<div>NO OF PAGES</div> <div>15/18</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Section of reservoir#2
	DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
	APPROVED BY	Simon Wankuru	-							

REINFORCEMENT PLAN FOR 17.5M3 RCC RESERVOIR

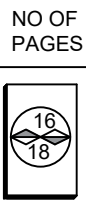


REINFORCEMENT SECTION FOR 17.5M3 RCC RESERVOIR
SECTION B-B

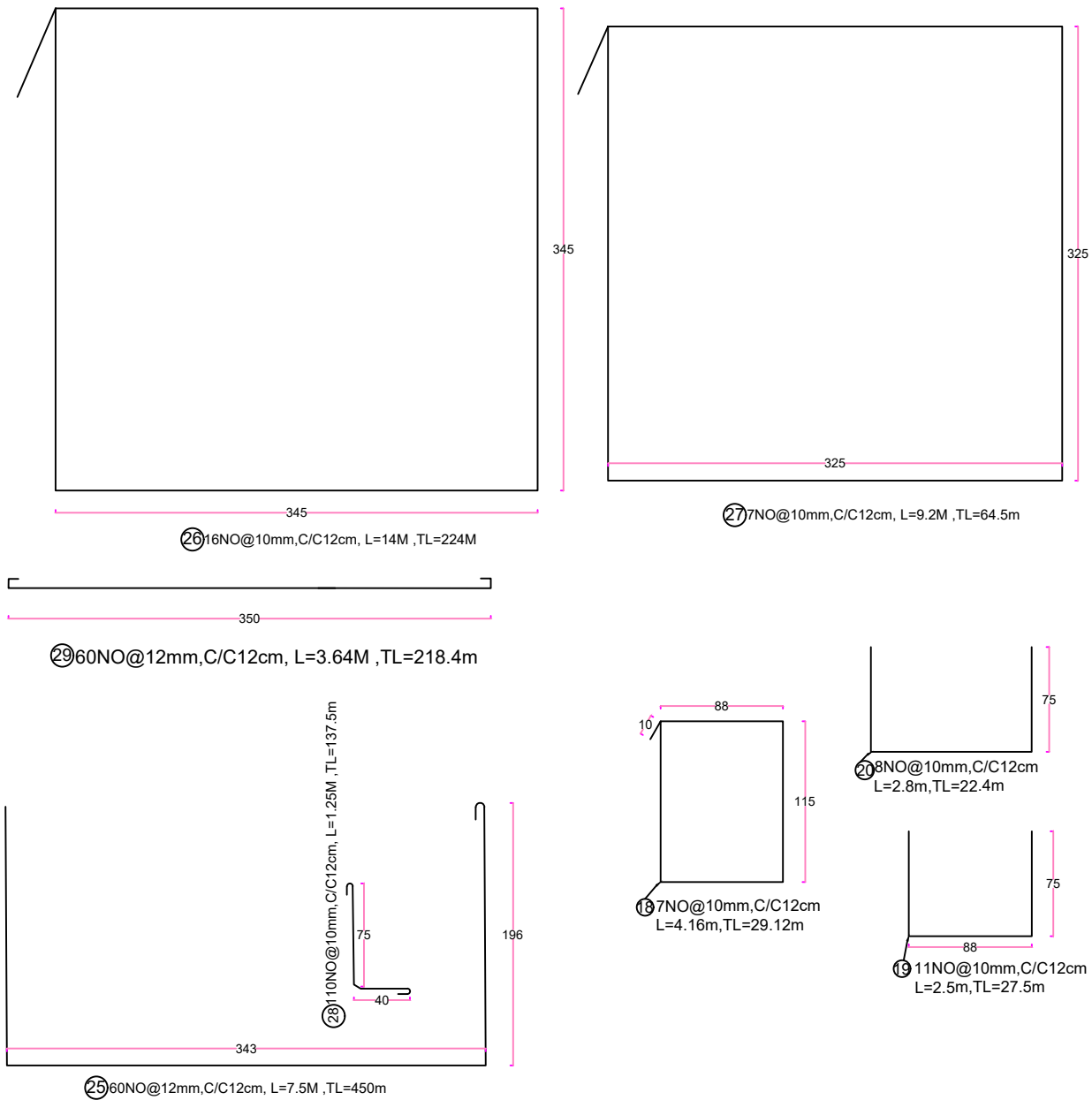


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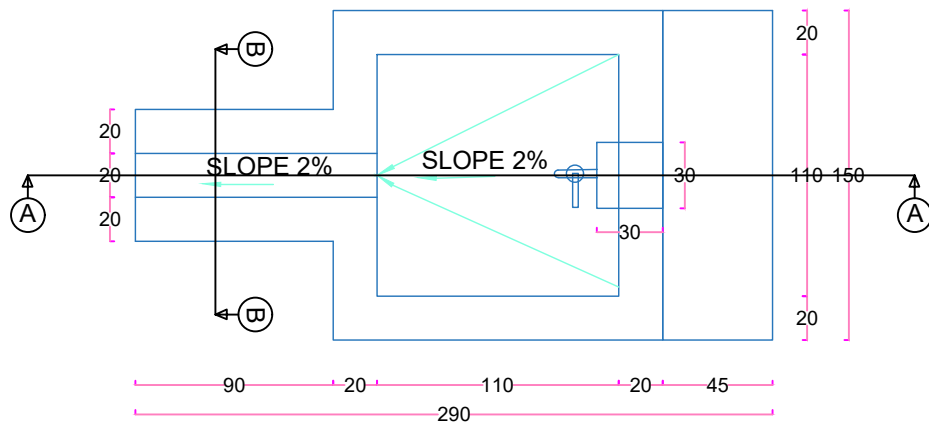
TASK & RESPOSIBILITIES		DATE
SURVEYED BY	Gh.Farroq	31-05-2024
DRAWN BY	M.ismael	6-06-2024
REVIEWED BY	Hekmatullah Arefzai	-
APPROVED BY	Simon Wankuru	-



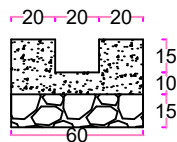
PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Reinforcement of reservoir#2
HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"



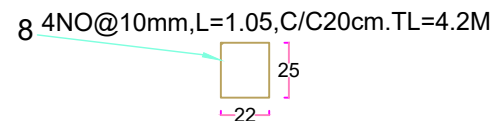
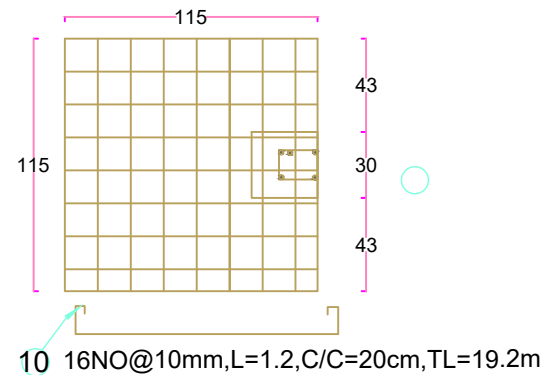
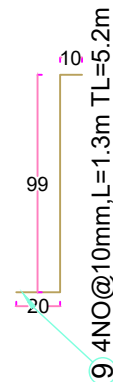
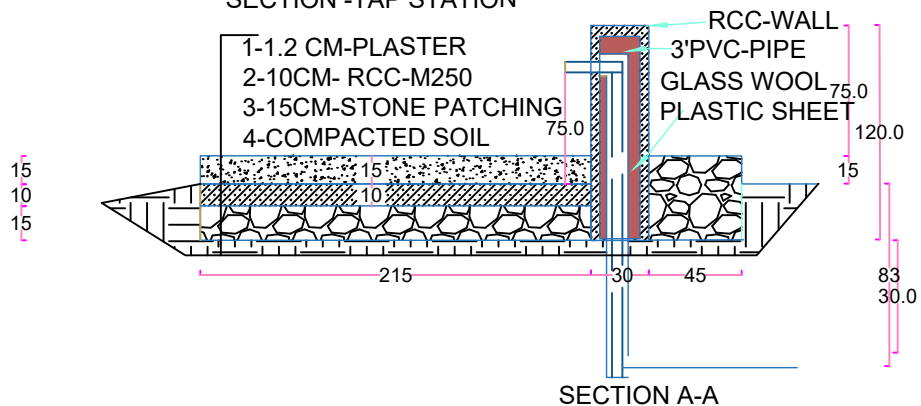
	TASK & RESPONSIBILITIES		DATE	<div>17</div> <div>18</div>	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
	SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Reinforcement of reservoir#2
	DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
	REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
	APPROVED BY	Simon Wankuru	-							



SECTION B-B



SECTION -TAP STATION



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TASK & RESPONSIBILITIES		DATE	NO OF PAGES 18 18	PROVINCE	Ghor	SCALE	1:100	PROJECT SUB TITLE	Major maintenace of HCF-WASH sector
SURVEYED BY	Gh.Farroq	31-05-2024		DISTRICT	Firozkoh	START DATE	----	DRAWING TYPE	Public stand tap
DRAWN BY	M.ismael	6-06-2024		HCF NAME	Lafrah	END DATE	----	E	64° 41' 17"
REVIEWED BY	Hekmatullah Arefzai	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35° 7' 44"
APPROVED BY	Simon Wankuru	-							