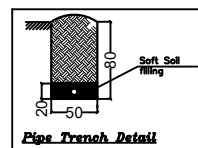
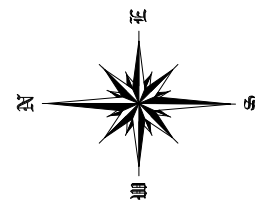
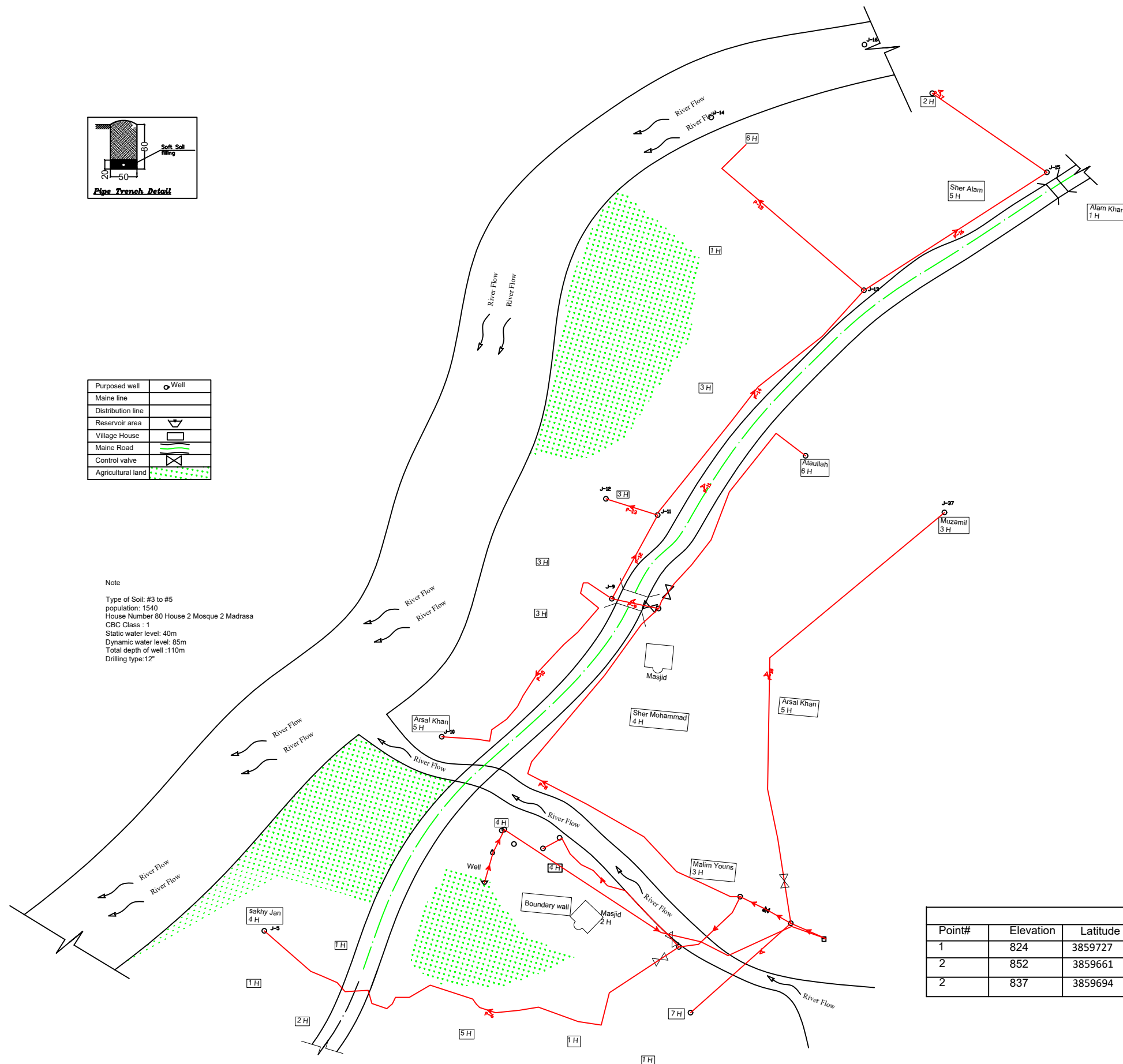
	Islamic Relief Worldwide WASH Initiative for Strengthening Health (WISH)		All dimension in cm otherwise stated	Surveyed by	WASH team	SHEET NO. <div>1/18</div>	PROVINCE	Kunar	WISH Project
				Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
	Department	WASH		Review & check by	Eng. M. Tahir "Safi"		VILLAGE	Lahor Dag	
	Drawing Title	Bening Map Site plan of Lahor Dag		Approved by	Eng. Shah Faisal		5-May-2024		



Purposed well	Well
Maine line	
Distribution line	
Reservoir area	
Village House	
Maine Road	
Control valve	
Agricultural land	

Note

Type of Soil: #3 to #5
population: 1540
House Number 80 House 2 Mosque 2 Madrasa
CBC Class : 1
Static water level: 40m
Dynamic water level: 85m
Total depth of well :110m
Drilling type:12"



Point Table				
Point#	Elevation	Latitude	Longitude	Description
1	824	3859727	696474	Well
2	852	3859661	696758	Reservoir
2	837	3859694	696611	Solar Station



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department WASH
Drawing Title Site plan of Lahor Dag

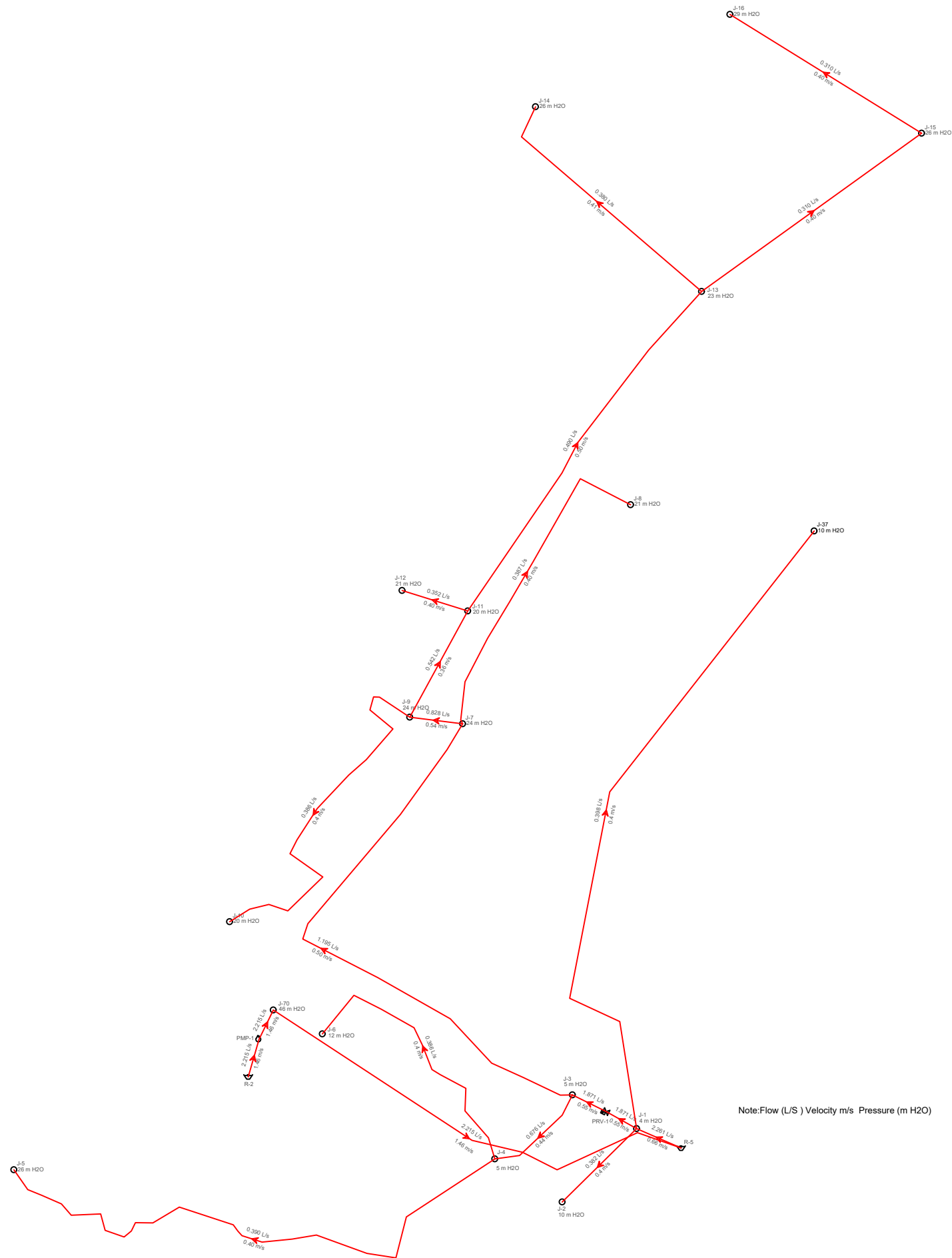
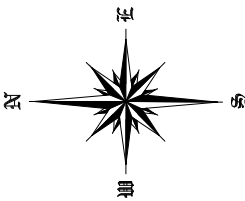
All dimension in cm
otherwise stated

Surveyed by WASH team
Drawing & designed by Matiullah Ghafaree
Review & check by Eng. M. Tahir "Safi"
Approved by Eng. Shah Faisal

SHEET NO. 2/18
5-May-2024

PROVINCE Kunar
DISTRICT Marawara
VILLAGE Lahor Dag

WISH
Project



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department	WASH
Drawing Title	Flow velocity and pressure

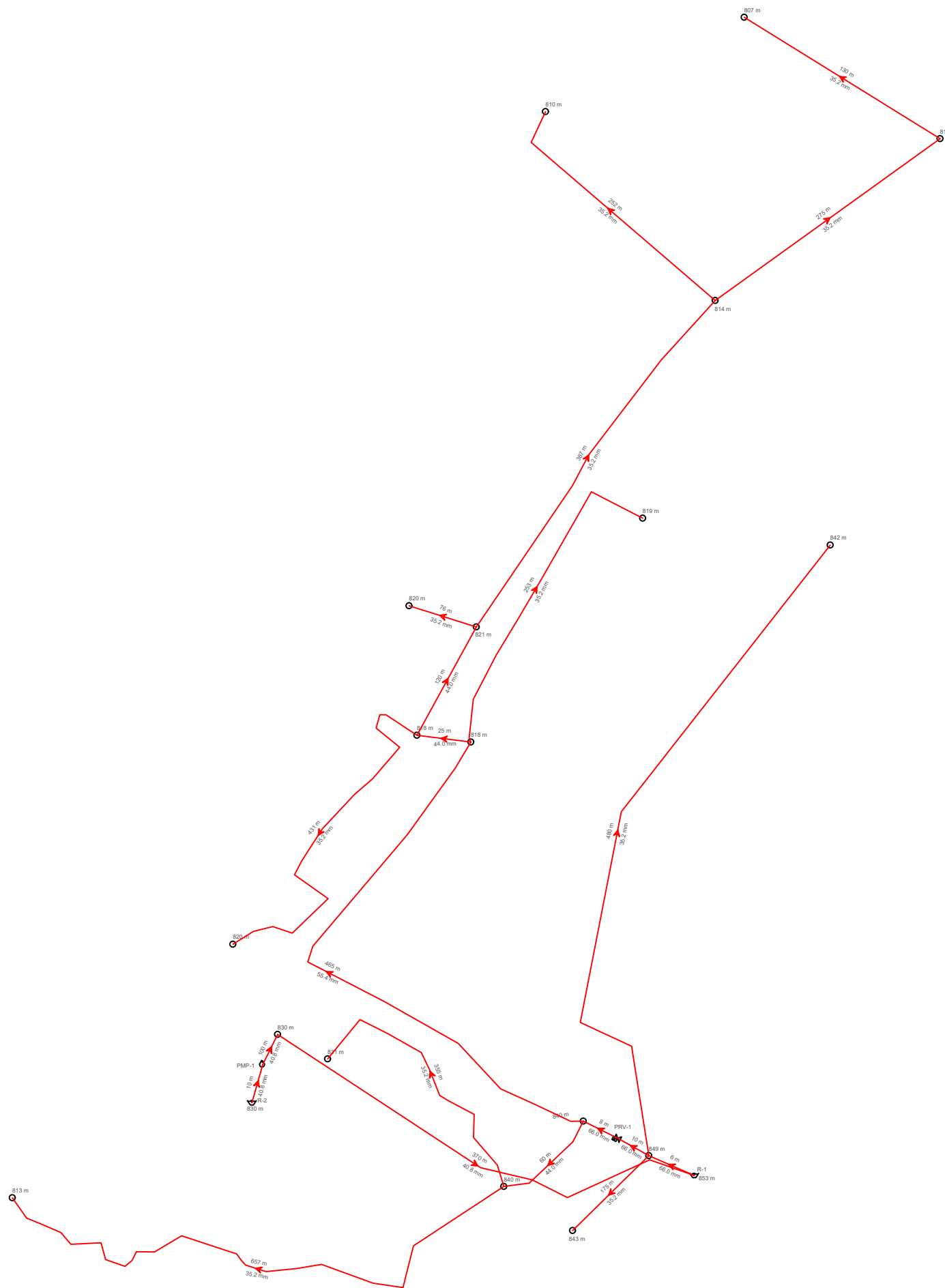
All dimension in cm
otherwise stated

Surveyed by	WASH team
Drawing & designed by	Matiullah Ghafaree
Review & check by	Eng. M. Tahir "Safi"
Approved by	Eng. Shah Faisal

SHEET NO.	3/18
5-May-2024	

PROVINCE	Kunar
DISTRICT	Marawara
VILLAGE	Lahor Dag

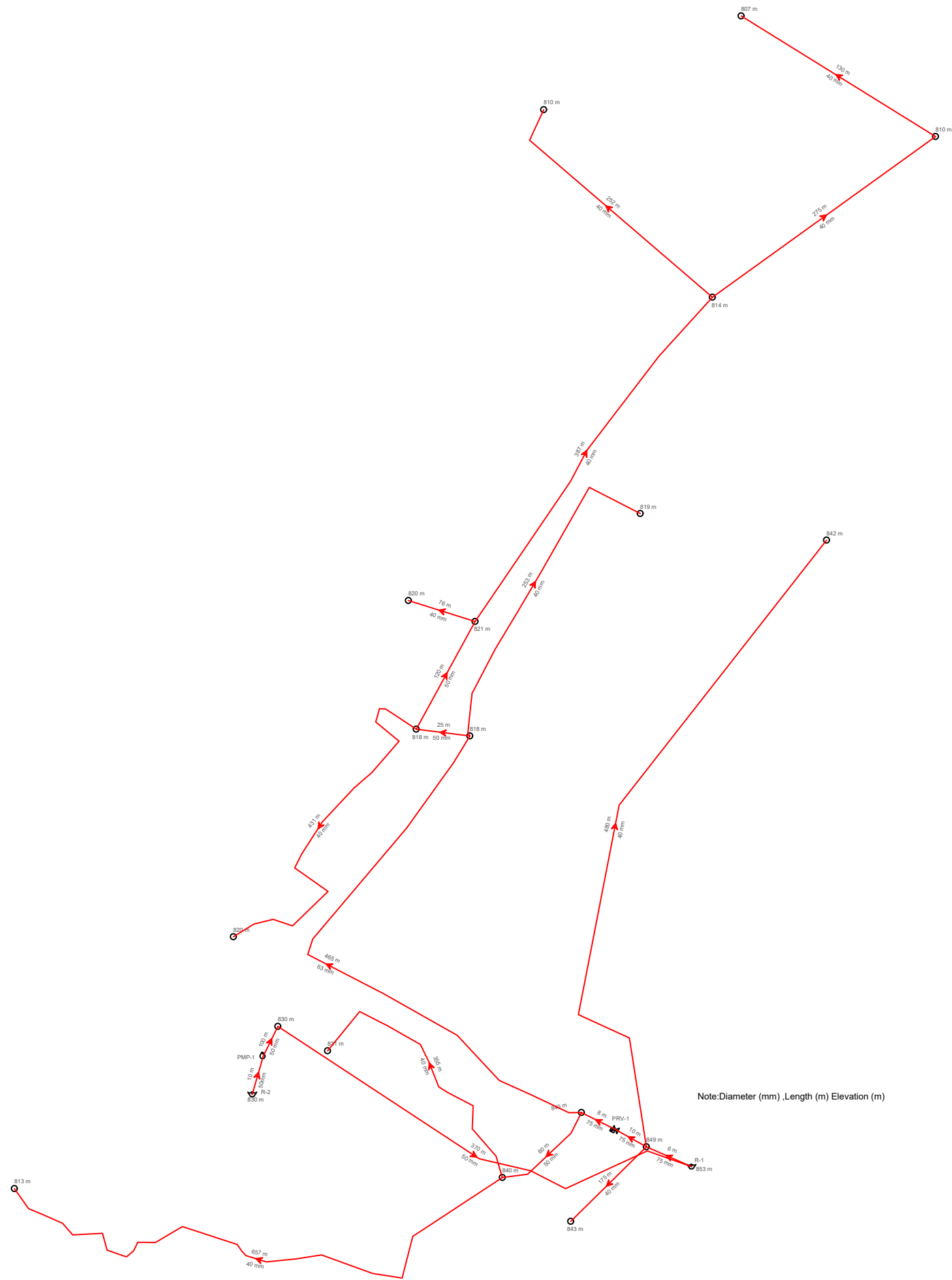
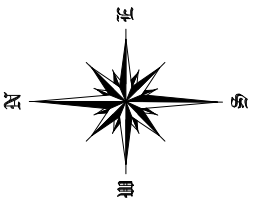
WISH
Project



IRW



Surveyed by	WASH team	<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">SHEET NO.</div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 0 10px;"> <div style="border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center;">4 18</div> </div> </div> </div>	PROVINCE	Kunar	WISH Project
Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
Review & check by	Eng. M. Tahir "Safi"				
Approved by	Eng. Shah Faisal		5-May-2024	VILLAGE	

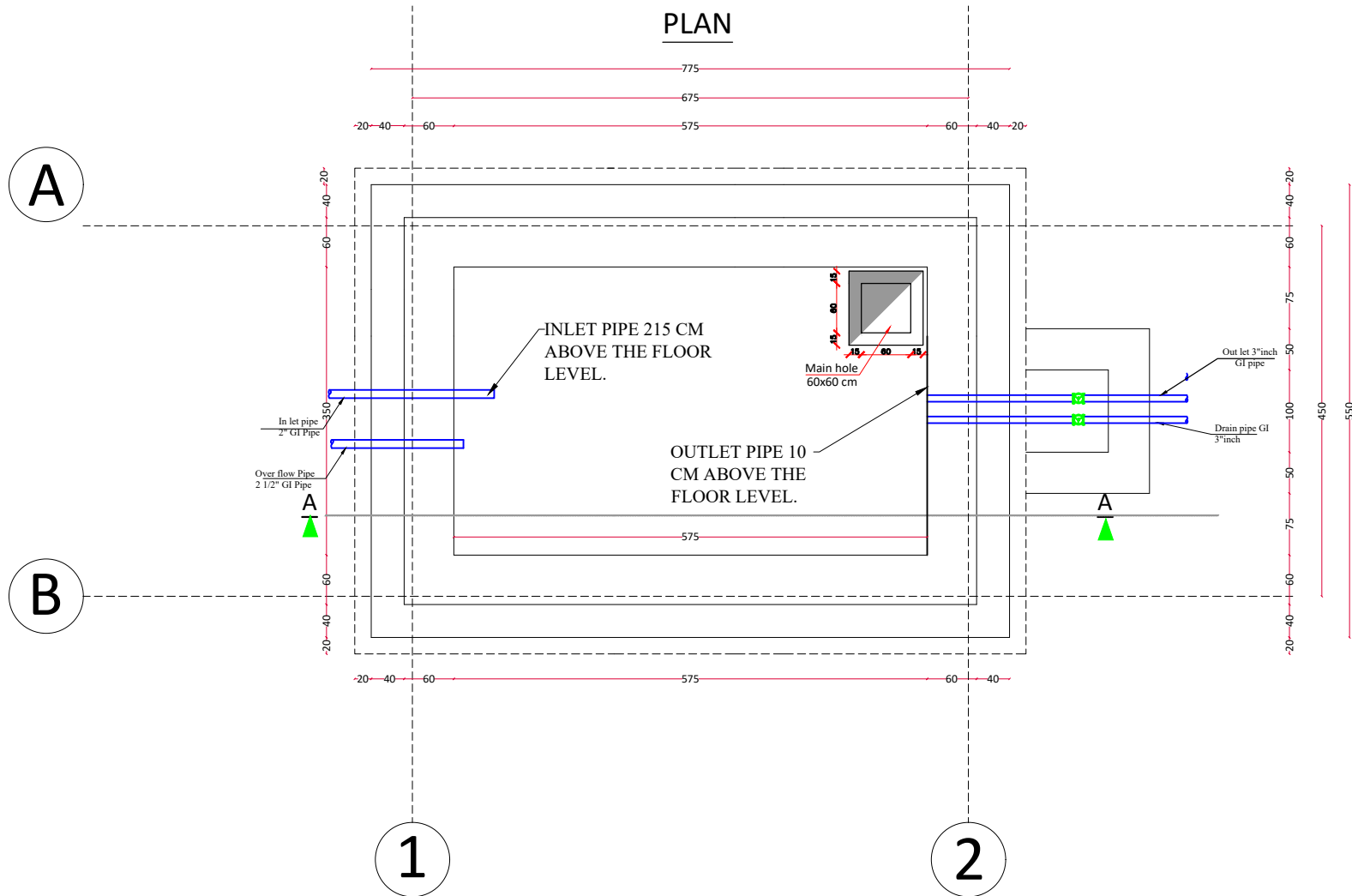




IRW

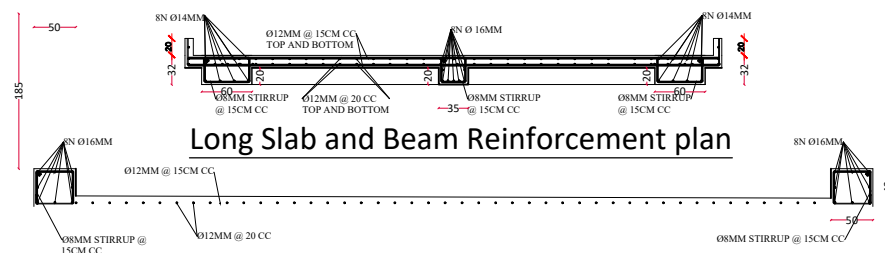
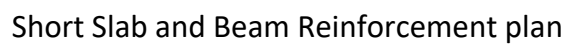
Islamic Relief Worldwide WASH Initiative for Strengthening Health (WISH)			Surveyed by	WASH team	SHEET NO. <div>5/18</div>	PROVINCE	Kunar	WISH Project	
			Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara		
Department	WASH	All dimension in cm otherwise stated	Review & check by	Eng. M. Tahir "Safi"		5-May-2024	VILLAGE		Lahor Dag
Drawing Title	Length out Diameter and Elevation		Approved by	Eng. Shah Faisal					



PLAN



 IRW	Islamic Relief Worldwide WASH Initiative for Strengthening Health (WISH)		Surveyed by	WASH team	SHEET NO. 	PROVINCE	Kunar	WISH Project
	Department	WASH	Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
	Drawing Title	40 Cubic Meter Stone Masonry Reservoir Plan	Review & check by	Eng. M. Tahir "Safi"		VILLAGE	Lahor Dag	
	All dimension in cm otherwise stated		Approved by	Eng. Shah Faisal		05-May-2024		



IRW

Drawing Title	Water Reservoir Section A-A
---------------	-----------------------------

All dimension in cm
otherwise stated

Approved by	Eng. Shah Faisal
-------------	------------------

Eng. Shah Faisal

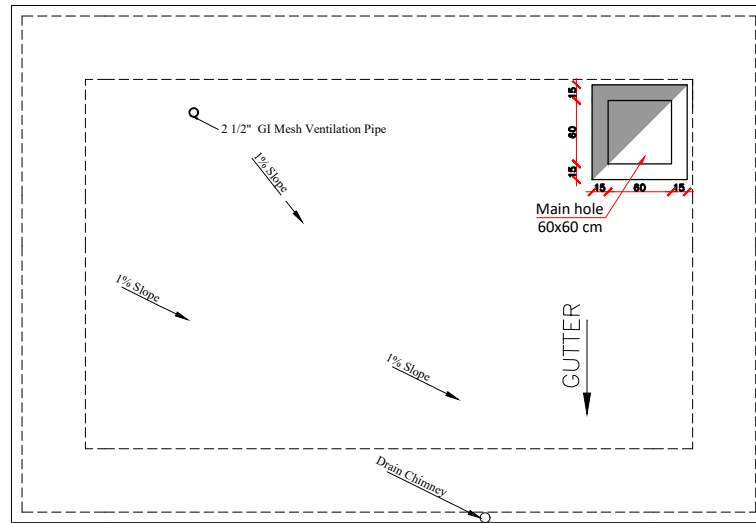


VILLAGE	Lahor Dag
---------	-----------

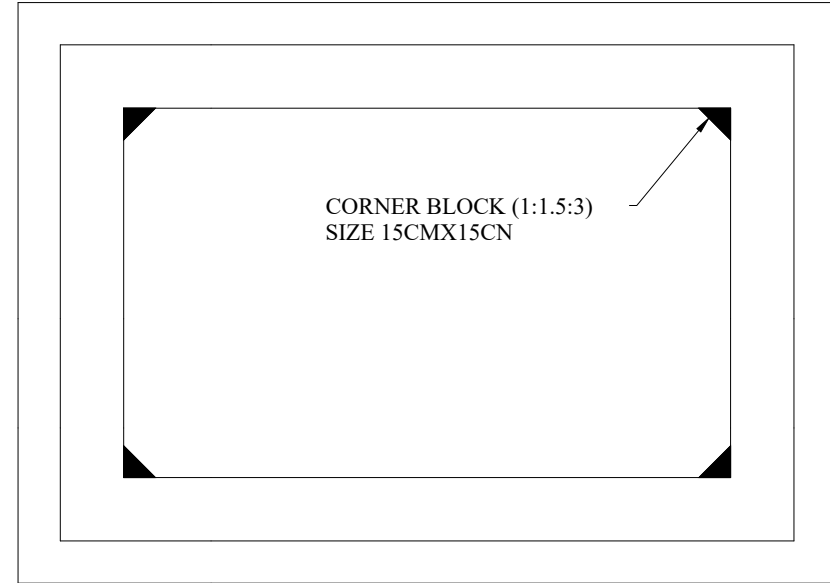
WISH
Project





Roof Drain Plan

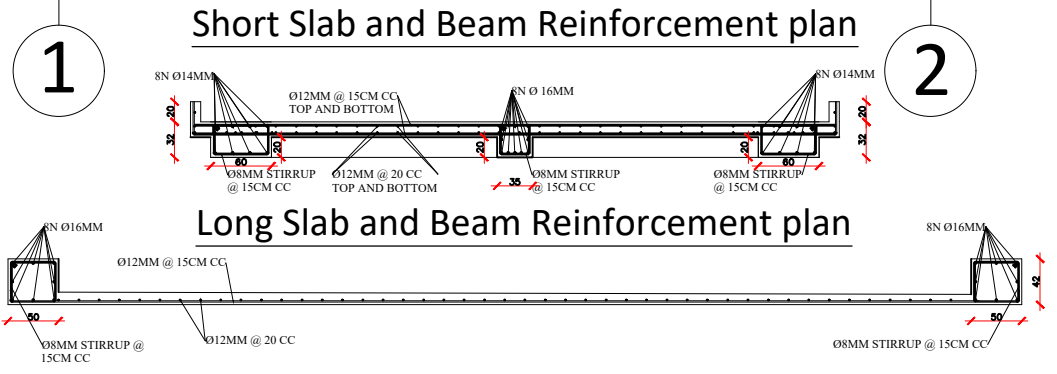
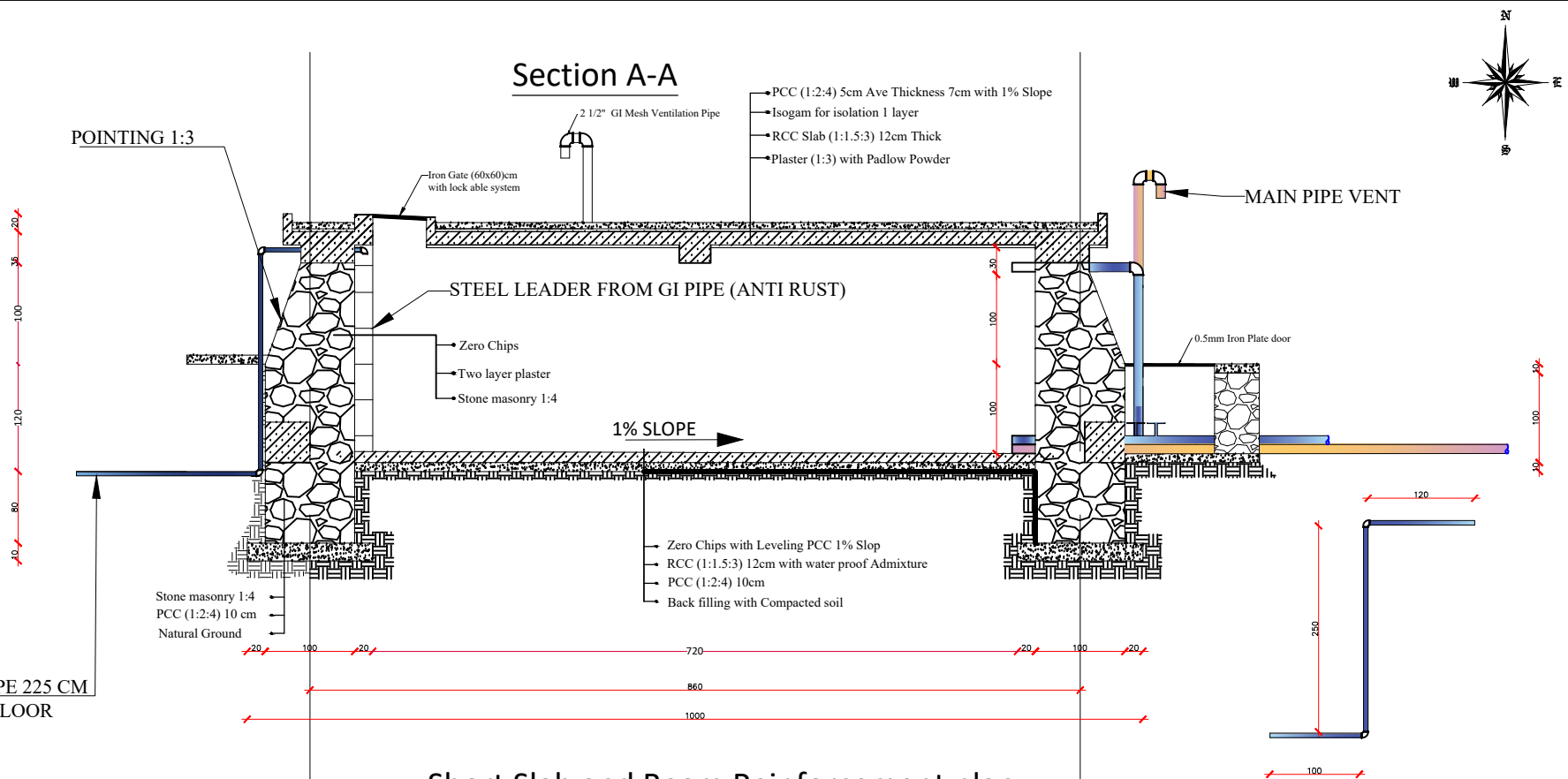




60 575 60 10
715

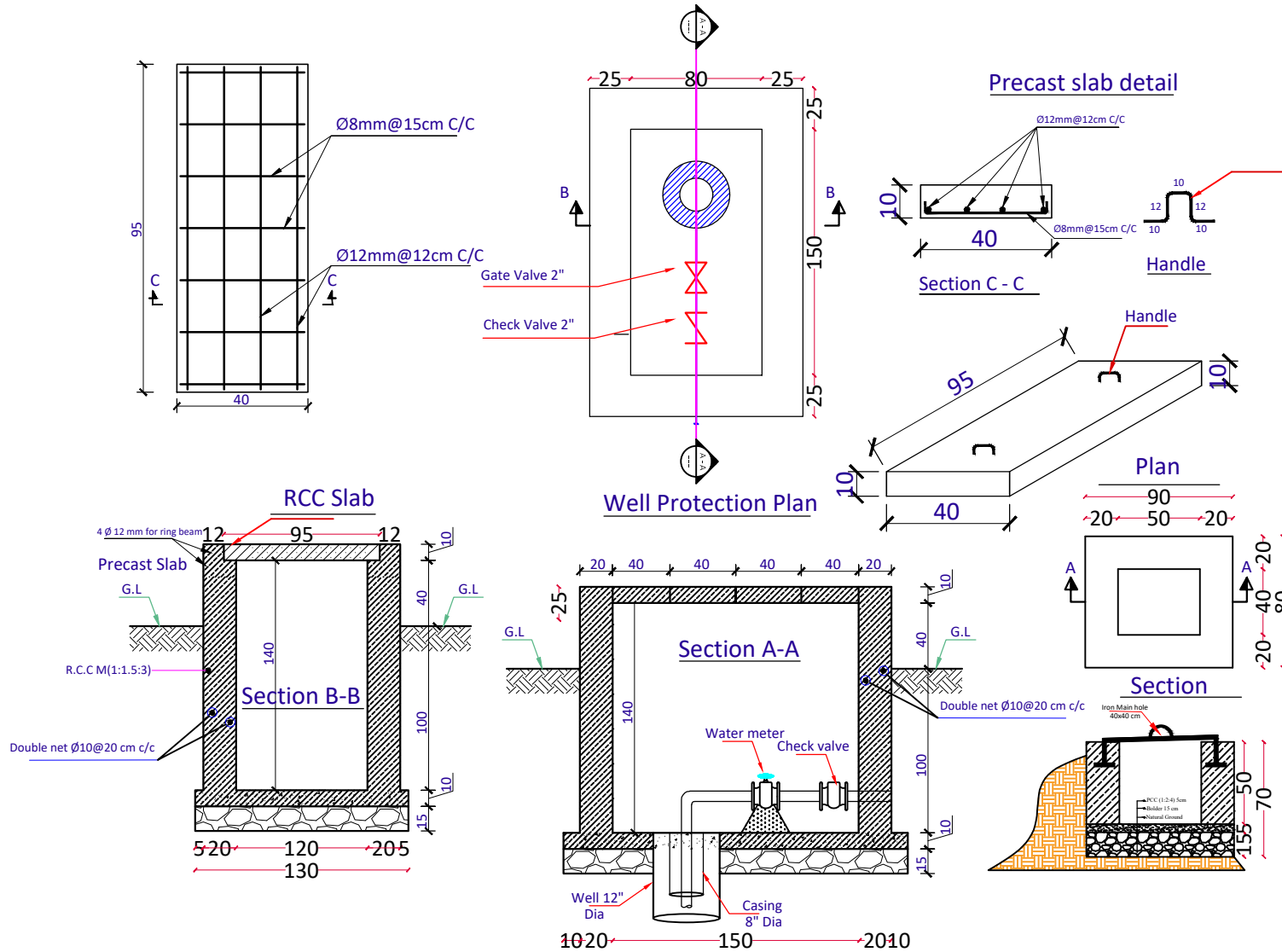



40 60 575 60 40
775

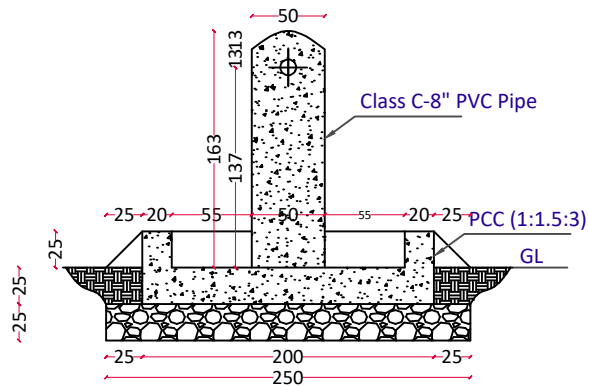
	Islamic Relief Worldwide WASH Initiative for Strengthening Health (WISH)		All dimension in cm otherwise stated	Surveyed by	WASH team	SHEET NO. 	PROVINCE	Kunar	WISH Project
				Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
	Department	WASH		Review & check by	Eng. M. Tahir "Safi"		VILLAGE	Lahor Dag	
	Drawing Title	Water Reservoir Drain plan		Approved by	Eng. Shah Faisal		05-May-2024		



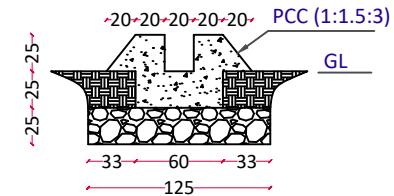
 IRW	Islamic Relief Worldwide WASH Initiative for Strengthening Health (WISH)			Surveyed by	WASH team	SHEET NO.  7-May-2024	PROVINCE	Kunar	WISH Project
	Department	WASH	All dimension in cm otherwise stated	Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
	Drawing Title	Water reservoir section A-A		Review & check by	Eng. M. Tahir "Safi"		VILLAGE	Dari Dam	
				Approved by	Eng. Shah Faisal				



	IRW	Islamic Relief Worldwide			Surveyed by	WASH team	SHEET NO. <div>9/18</div>	PROVINCE	Kunar	WISH Project
		WASH Initiative for Strengthening Health (WISH)			Drawing & designed by	Matiullah Ghafaree		DISTRICT	Marawara	
		Department	WASH	All dimension in cm otherwise stated	Review & check by	Eng. M. Tahir "Safi"		VILLAGE	Lahor Dag	
		Drawing Title	Well and Gate valve protection		Approved by	Eng. Shah Faisal		05-May-2024		



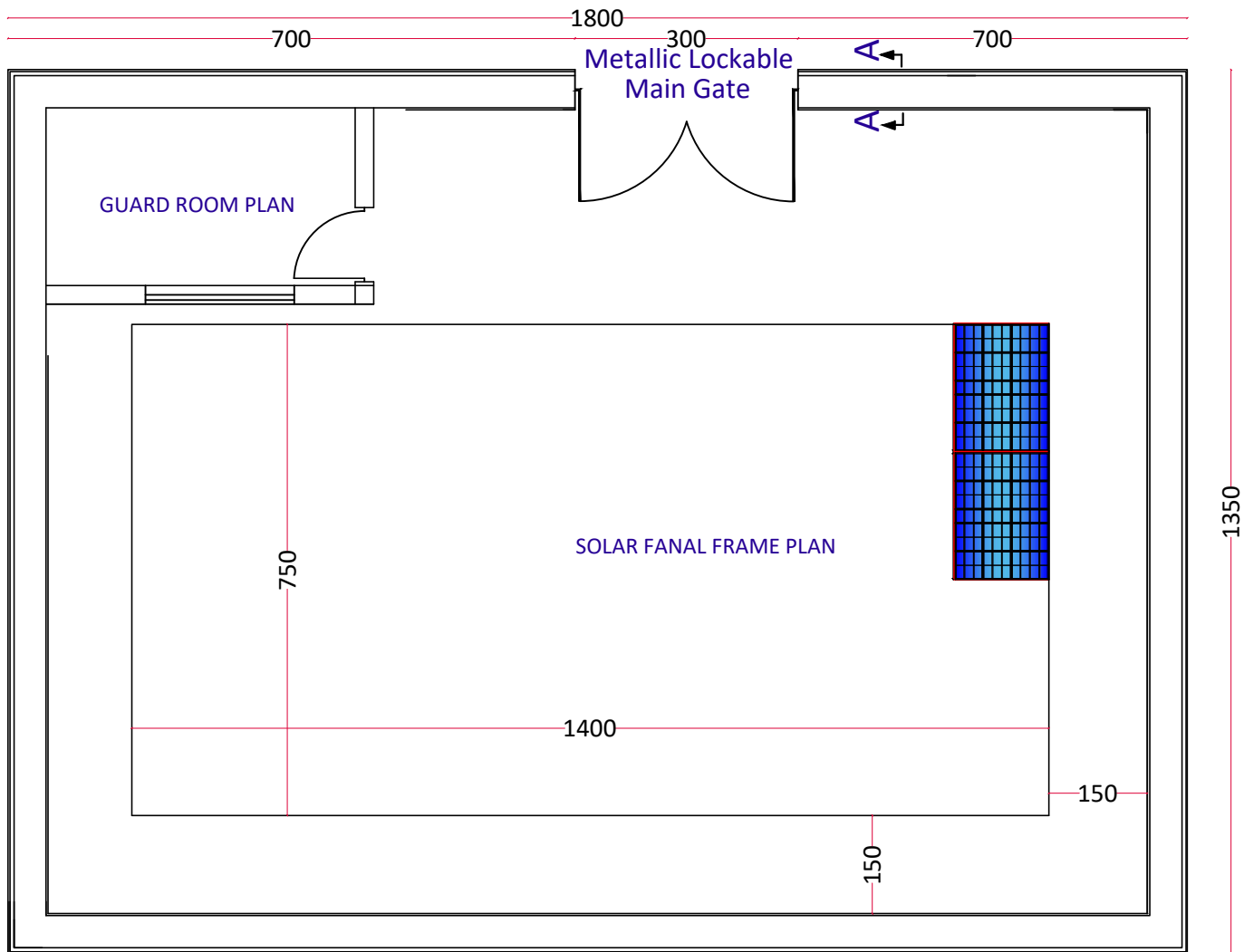
Section B-B



Section C-C



WISH
Project



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department	WASH
Drawing Title	Boundary wall and Guard room plan

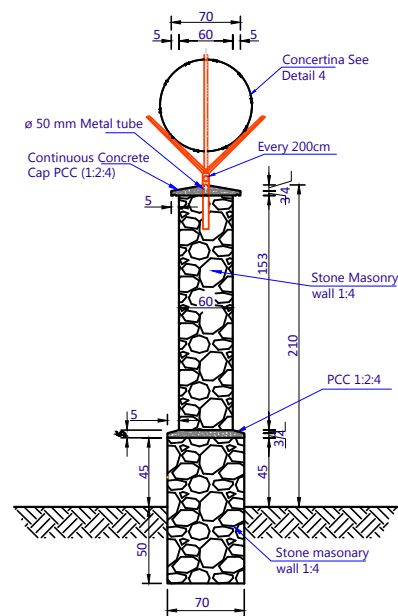
All dimension in cm
otherwise stated

Surveyed by	WASH team
Drawing & designed by	Matiullah Ghafaree
Review & check by	Eng. M. Tahir "Safi"
Approved by	Eng. Shah Faisal

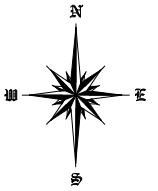
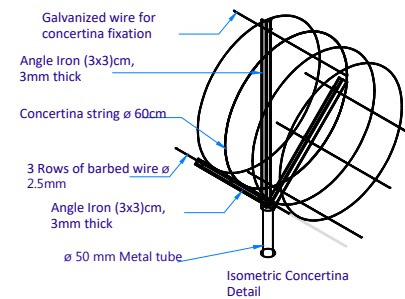
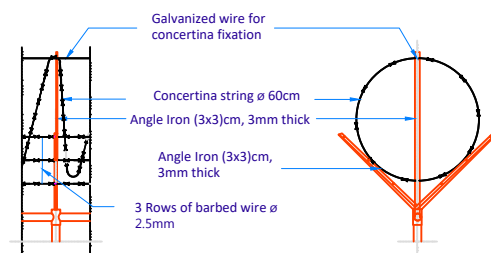
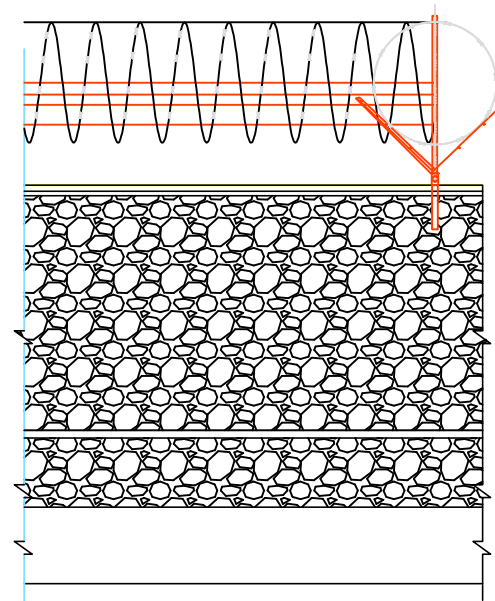
SHEET NO.	11/18
05-May-2024	

PROVINCE	Kunar
DISTRICT	Marawara
VILLAGE	Lahor Dag

WISH
Project



Section A-A



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department	WASH
Drawing Title	boundary section and barbed wire plan

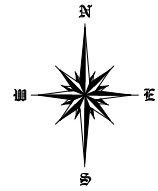
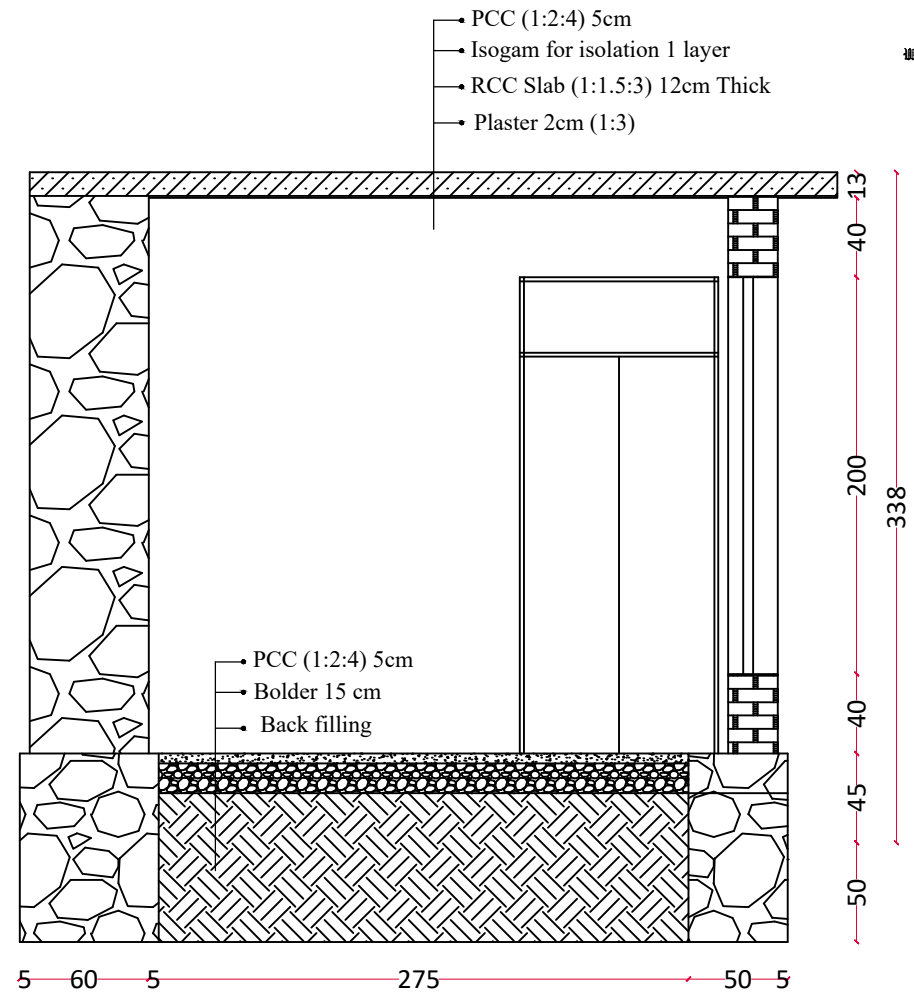
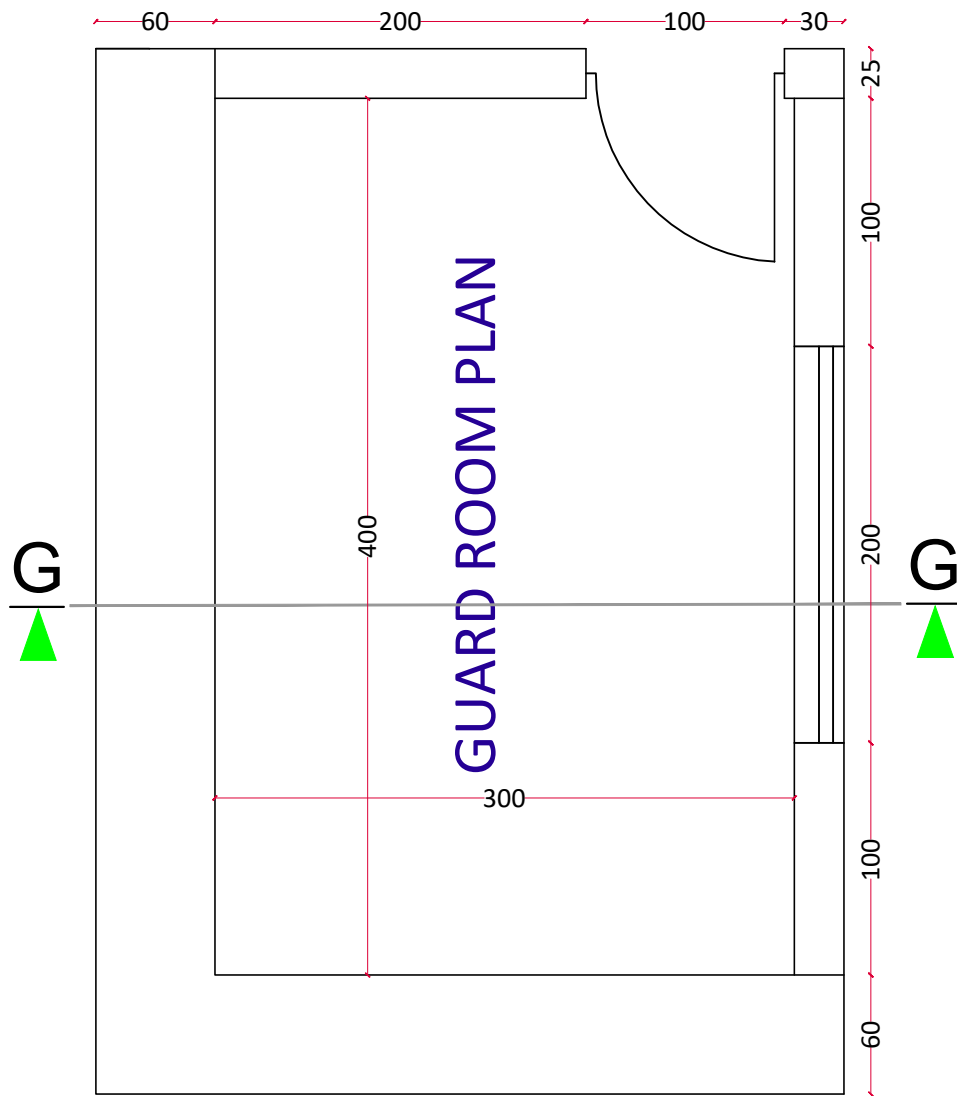
All dimension in cm
otherwise stated

Surveyed by	WASH team
Drawing & designed by	Matiullah Ghafaree
Review & check by	Eng. M. Tahir "Safi"
Approved by	Eng. Shah Faisal

SHEET NO.	12/18
05-May-2024	

PROVINCE	Kunar
DISTRICT	Marawara
VILLAGE	Lahor Dag

WISH
Project



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department: WASH
Drawing Title: Guard Room Plan

All dimension in cm
otherwise stated

Surveyed by: WASH team
Drawing & designed by: Matiullah Ghafaree
Review & check by: Eng. M. Tahir "Safi"
Approved by: Eng. Shah Faisal

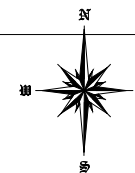
SHEET NO: 13/18
05-May-2024

PROVINCE: Kunar
DISTRICT: Marawara
VILLAGE: Lahor Dag

WISH Project

Lahor Dag Village water Supply Project

Typical Site plan of Solar pump system



40 m3

Ground RCC
Reservoir

50 mm 16 bar PE Pipe, 350m

Solar Panels

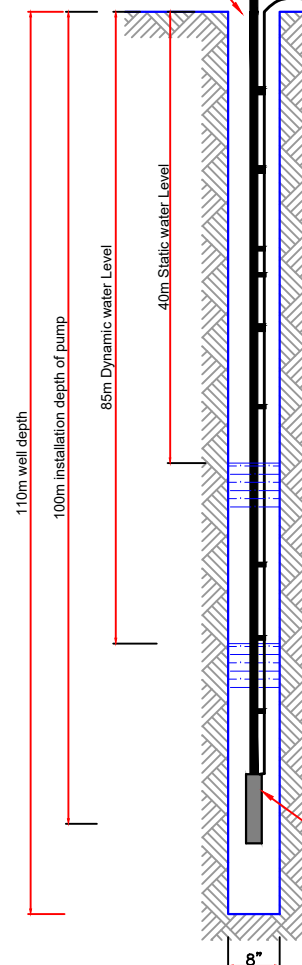
Support
structure

Control Unit

Electricity Cable
from Control
Unit

Electricity Cable
from Control
Unit

Solar pump



پوت
تسم ارقام برای این چاه کشی بود که از مخطومات چاه های نزدیک این مساحه
اخذ گردیده و مخطومات دقیق این چاه بعد از حفاری و پمپ تست
آن به دست خواهد آمد. در صورت تغییر مقدار آبدهی ممکن که
در مشخصات موبایل وقر پمپ و تعداد پنل های آن نیز
تغییر خواهد گردید.



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)

Department WASH
Drawing Title TDH

All dimension in cm
otherwise stated

Surveyed by WASH team
Drawing & designed by Matiullah Ghafaree
Review & check by Eng. M. Tahir "Safi"
Approved by Eng. Shah Faisal

SHEET NO.
05-May-2024

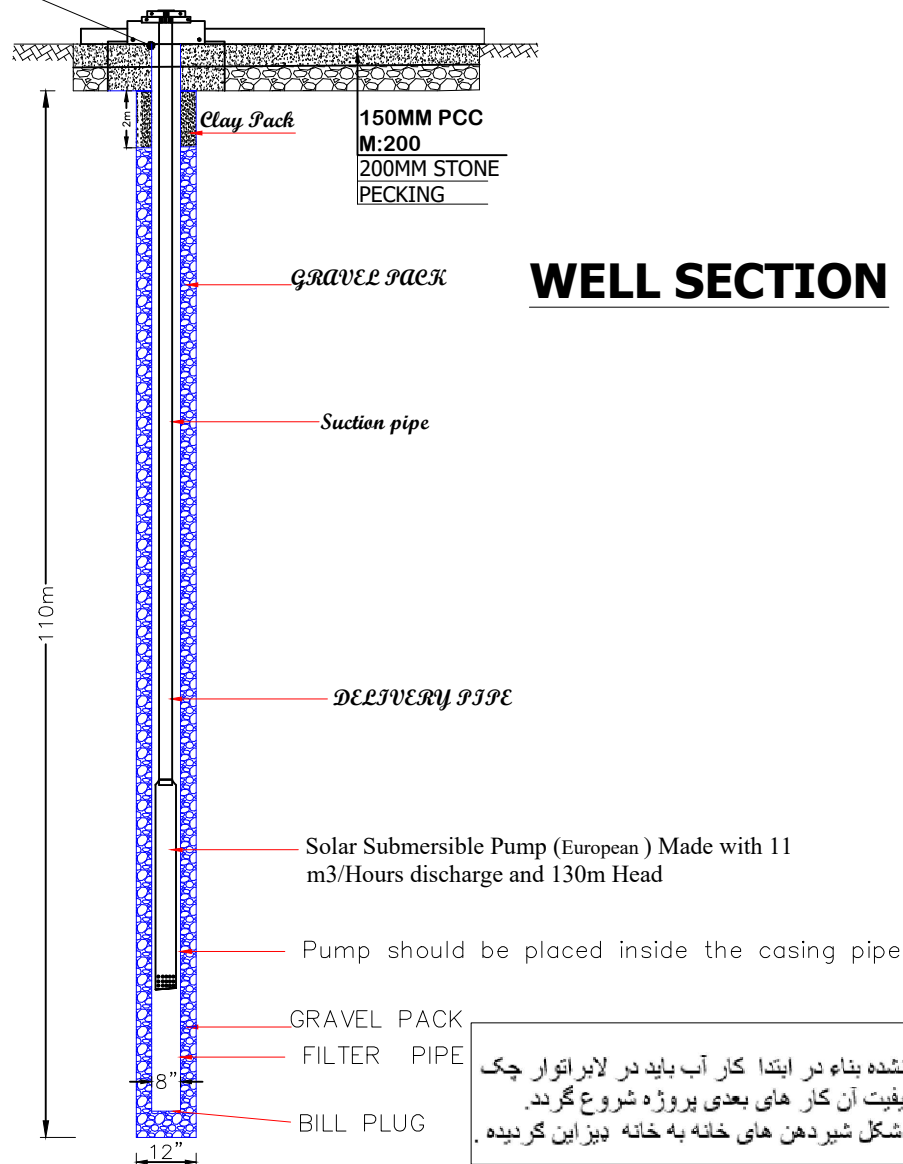


PROVINCE Kunar
DISTRICT Marawara
VILLAGE Lahor Dag

WISH
Project

WELL

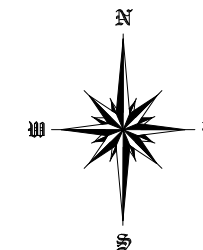
CASING



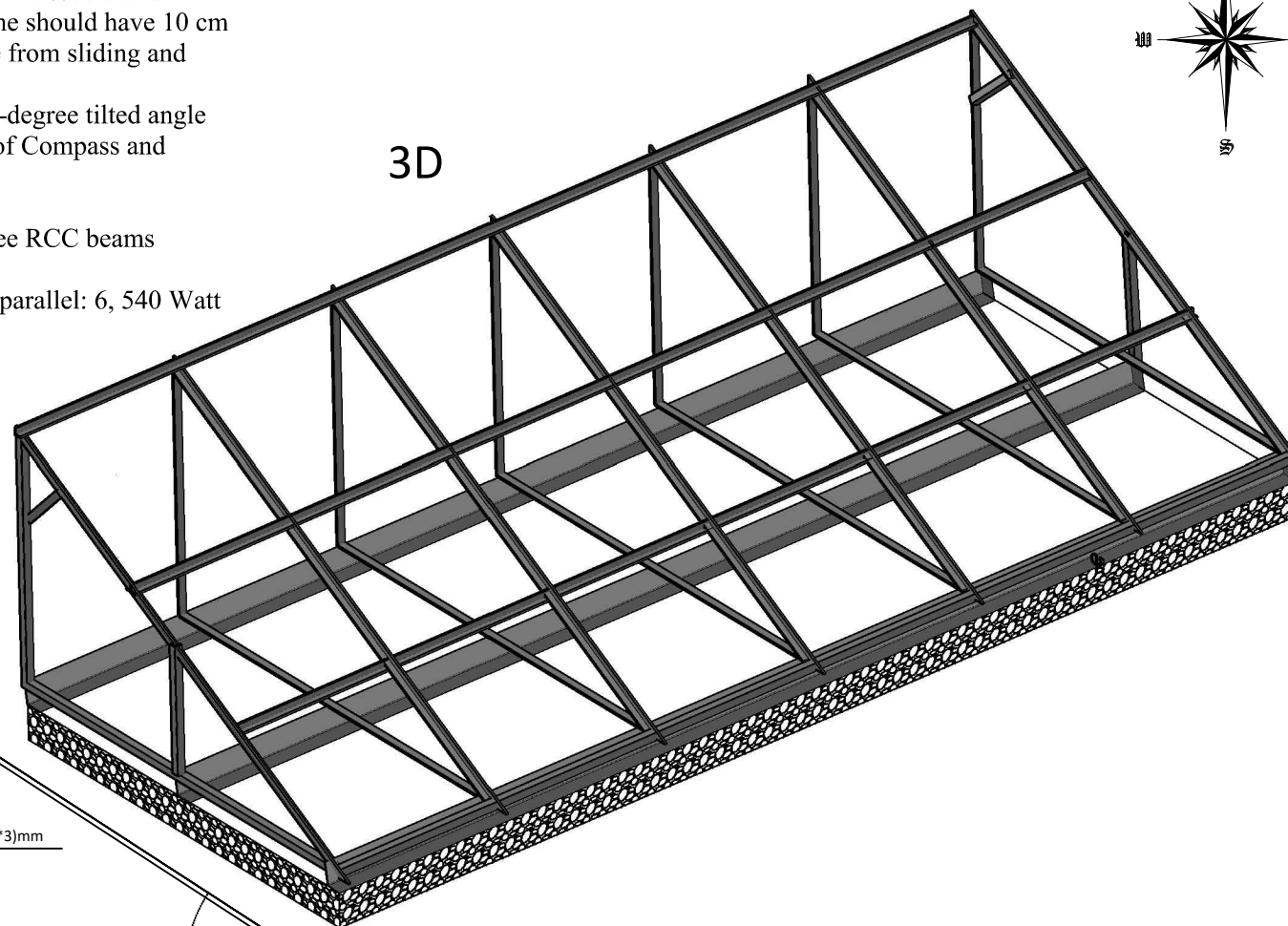
نوت:
از اینکه آب چاه در لایر اتوار تست نشده بناء در ابتدا کار آب باید در لایر اتوار چک شود و بعد از حصول اطمینان از کیفیت آن کار های بعدی پروژه شروع گردد.
همچنان نظر به مشخصات شبکه به شکل شیر دهن های خانه به خانه دیز این گر دیده

Lahor Dag Village water Supply Project

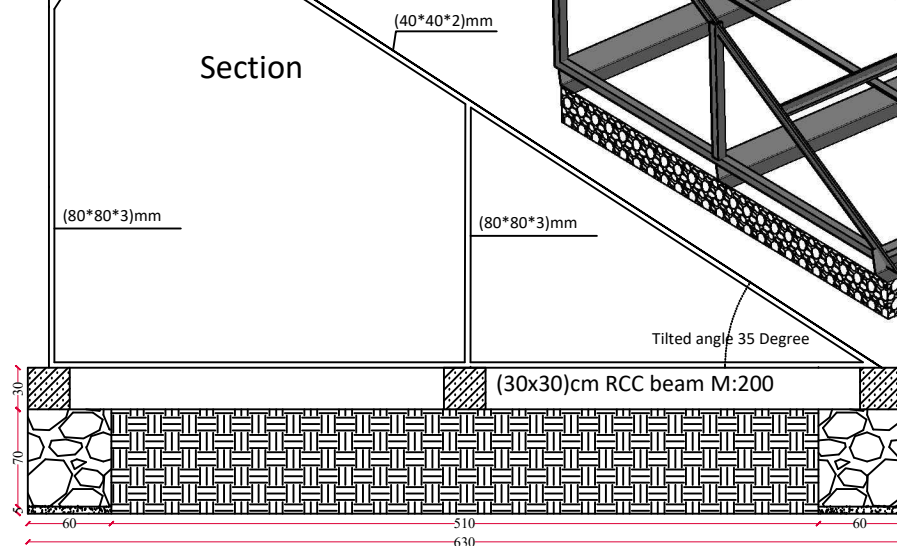
- 3- All solar panels should have 10 Number Nut&bold and between two solar panel vertical array frame should have 10 cm space for air vent to protect the solar frame from sliding and overturning.
- 4- the solar panel's frame should have a 35-degree tilted angle with the surface of the yard as instruction of Compass and Groundfos software's and product.
- 5- under the frame we have (30*30)cm three RCC beams according to the drawing
- 6- Number of solar modules in series: 3 in parallel: 6, 540 Watt



3D



Section



IRW

Islamic Relief Worldwide
WASH Initiative for Strengthening Health (WISH)
Department WASH
Drawing Title Solar Panel Plan Details

All dimension in cm
otherwise stated

Surveyed by WASH team
Drawing & designed by Matiullah Ghafaree
Review & check by Eng. M. Tahir "Safi"
Approved by Eng. Shah Faisal

SHEET NO. 18/18
05-May-2024

PROVINCE Kunar
DISTRICT Marawarai
VILLAGE Lahor Dag

WISH
Project