



Organization For Afghan Woman Capacity and Knowledge (OAWCK)

PROVINCE

Balkh

DISTRICT

Kushandi and Zari

VILLAGE

Concern Villages as per Contract

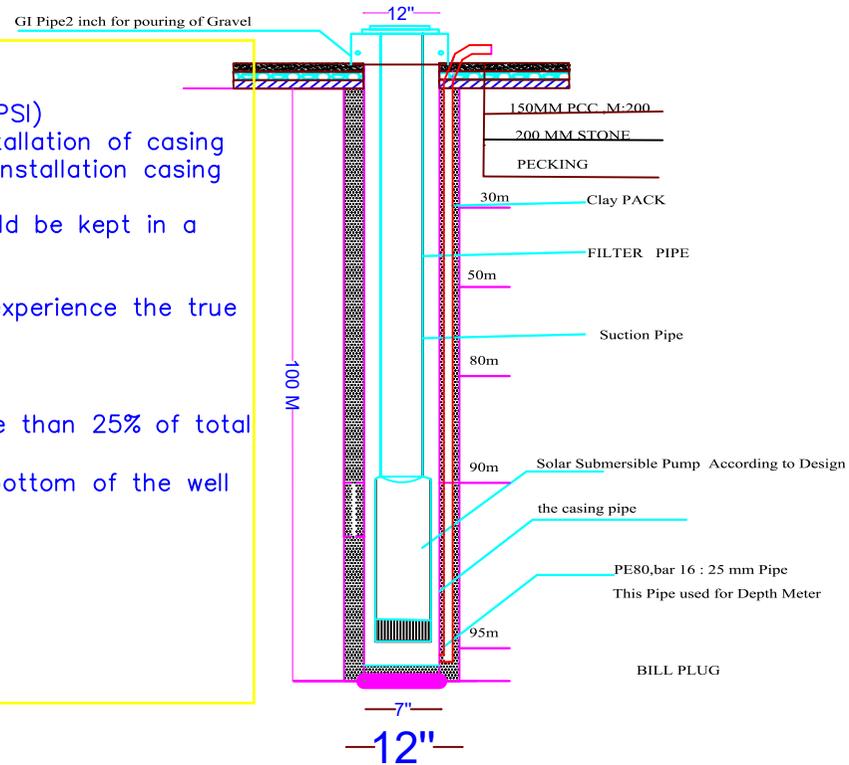
PROJECT NAME

Water Supply Project Complete Drawing (Solar Power &Gravity System)

Water Well Section

Notes:

- 1-Well Designed by WASH Department.
- 2-The working pressure for pipes and valves will be 20 bar (290 PSI)
- 3-if the ground stratum is made of bed rocks it no need for installation of casing pipes if the stratum is made of loss soil if should be stabilized installation casing pipes.
- 4-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately.
- 5-Step-Drawdown test or Water pump test for 8 hours.
- 6-the depth of filter pipe has considered based on the previous experience the true depth will be determined after well practical drilling .
- A"Supply and installation of PVC casing pipe Class E , Dia 7"
- B Supply and installation of Filter pipe PVC (Screen) Class =E
- C:inch dia . Total area for filter pipe openings should not be more than 25% of total area. (PVC quality test result is required)
- 7-The water pump will be installed at least 5 meters above the bottom of the well
- 8-Boring a well with 12" inch
- 9-Deep of well 100
- 10- top of well will be have iron Cover Box 60X60 cm
- 11- The size of Gravel Packing (3-6) mm the exact size will be declared after boring and well Hydrological Calculations. the Gravel Should be clean and technical acceptable .



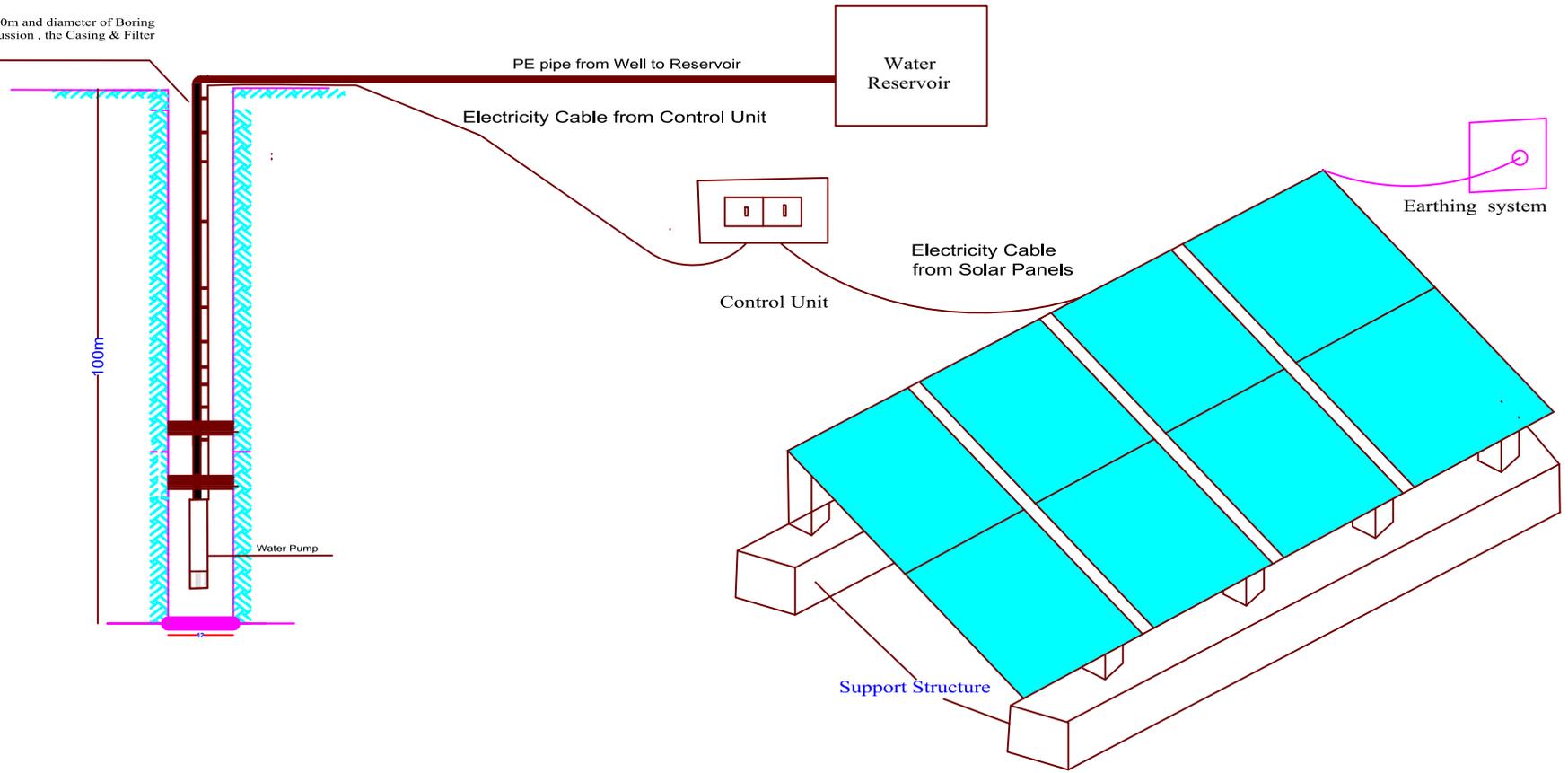
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1	Designed by:	OAWCK Engineering Team
2	Drawn by:	OAWCK Engineering Team
3	Check by	Haji M.Zaman Safi

Organization for Afghan Woman
Capacity and Knowledge (OAWCK)

Scale:		Province	Balkh	Project name: AHF/WASH Project
Date:	2023	District :	Kushandi and Hazar	
Drawing No:		Village		Drawing Title: Water Well Section

Typical Site Plan of Solar Pump System

the Depth of well 100m and diameter of Boring will be 12 inch Percussion , the Casing & Filter Should be 7 inch

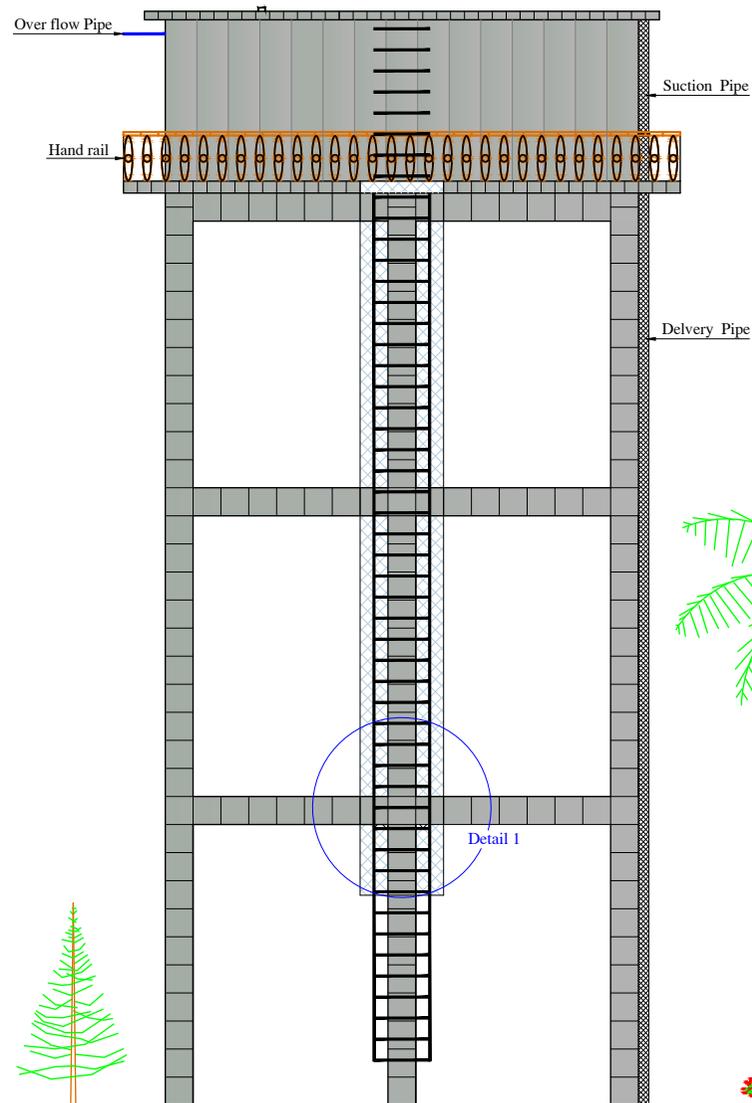


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Organization for Afghan Woman Capacity and Knowledge (OAWCK)

Scale:		Sheet No.	02/02	Province:	Balkh	Project name:	AHF/WASH Project
Date:	2023			District:	Kushandi and Hazar	Drawing Title:	Typical Site Plan of Solar Pump System
Drawing No:				Village:			

Elevation of Water Tank Tower



Note:

1. All dimension are in cm
2. Mark of concrete 200 kg/cm²
3. Delivery and Suction pipe should be protected (Isolation)
4. Assume bearing capacity is 2 kg/cm²



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APPROVED BY	Haji M.Zaman Safi

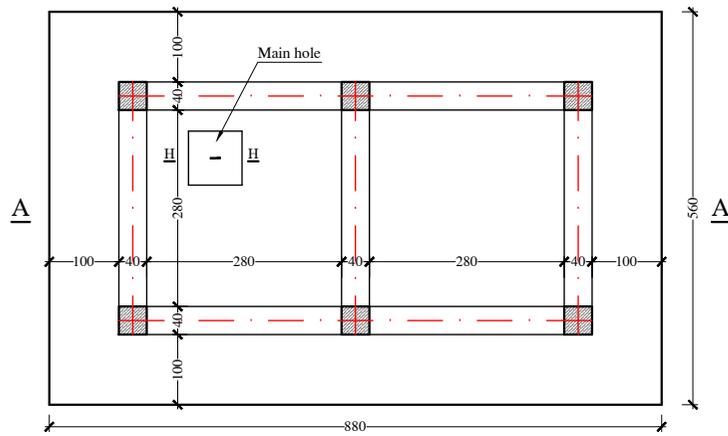
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SCALE	
DATE	2023
DRAWING NO.	

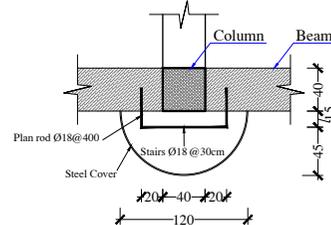
SHEET NO. **1/3**

PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

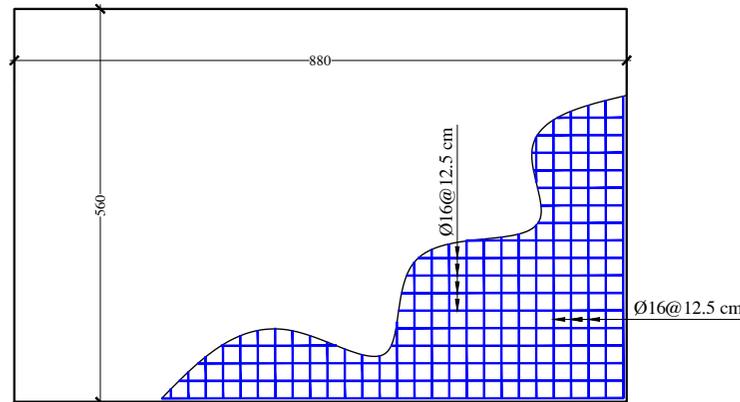
PROJECT NAME	AHF /WASH Project
DRAWING TITLE	35 m ³ Elevated water reservoir



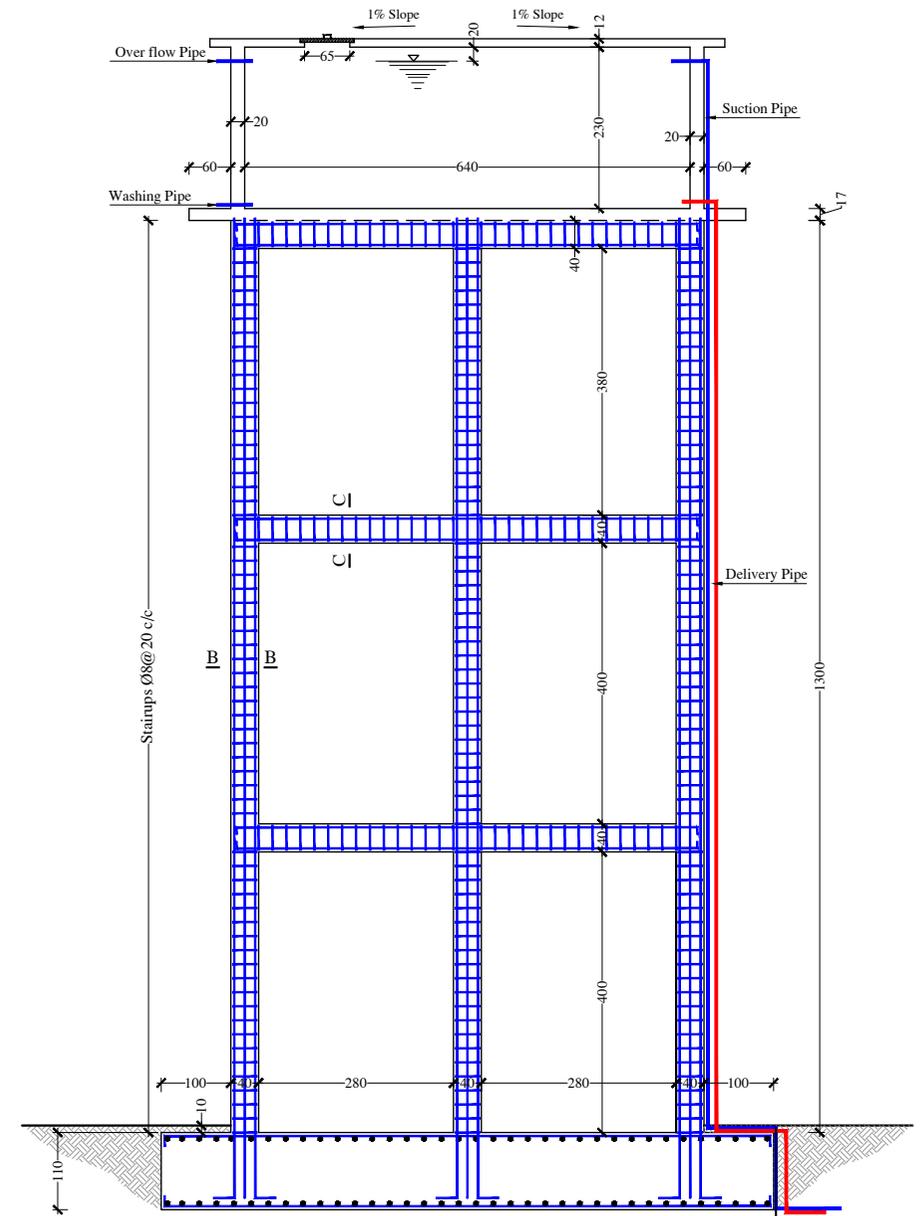
Plan



Detail -1



Reinforcement Plan of Footing



Section A-A



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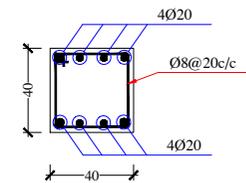
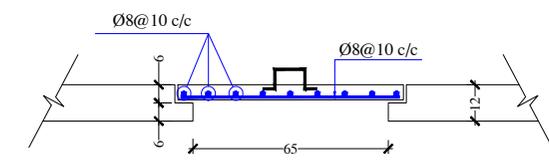
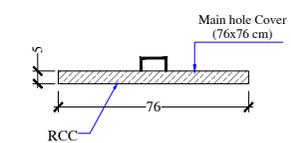
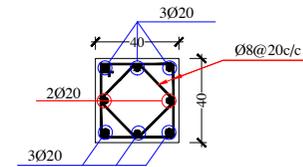
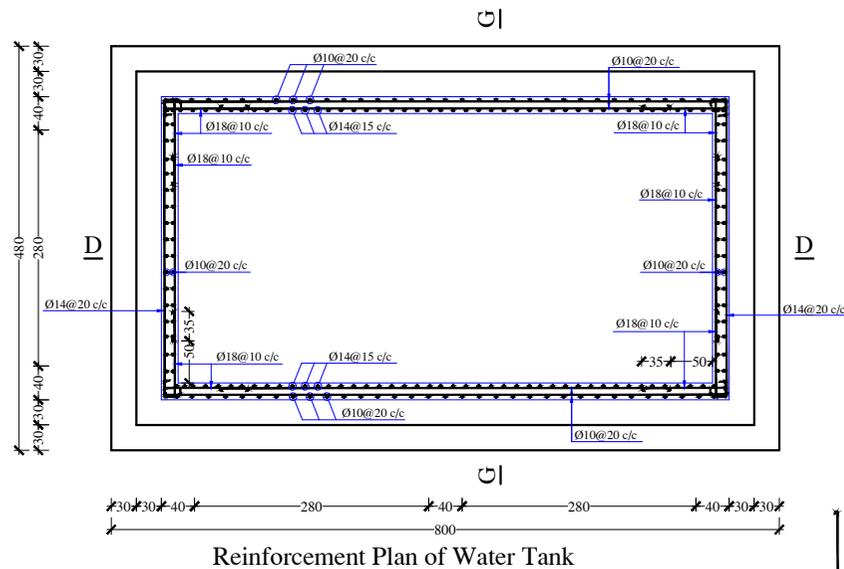
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SCALE
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 DRAWING NO.

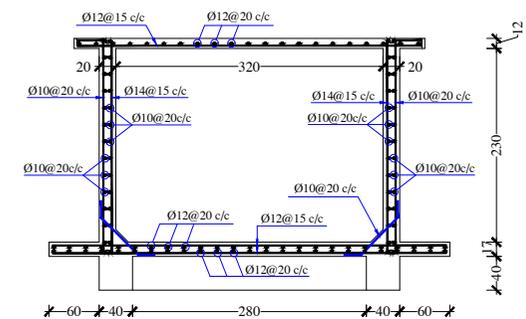
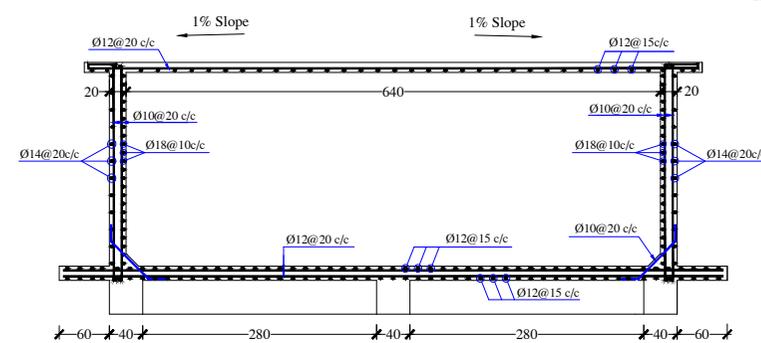
SHEET NO. 1/3

PROVINCE Balkh
 DISTRICT Kushandi and Hazari
 VILLAGE Concern Villages as per Contract

PROJECT NAME AHF /WASH Project
 DRAWING TITLE 35 m3 Elevated water reservoir



Corner Steel Bar Ø18 @ 10 c/c
L=250cm



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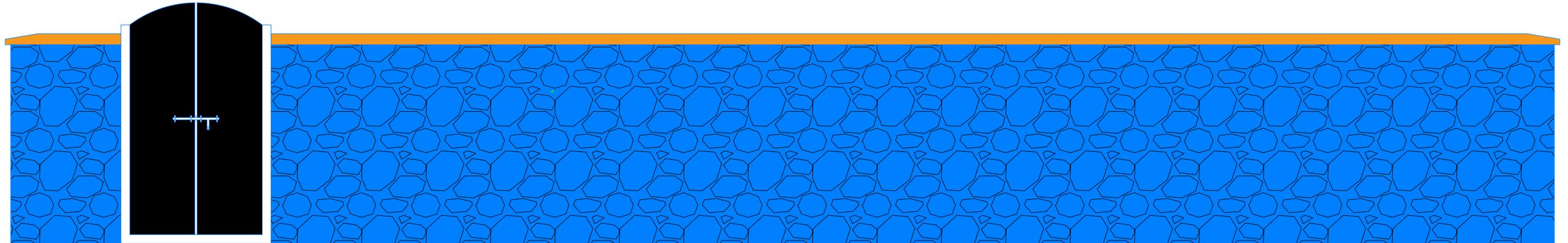
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DATE	2023
DRAWING NO.	

SHEET NO.
1/3

PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

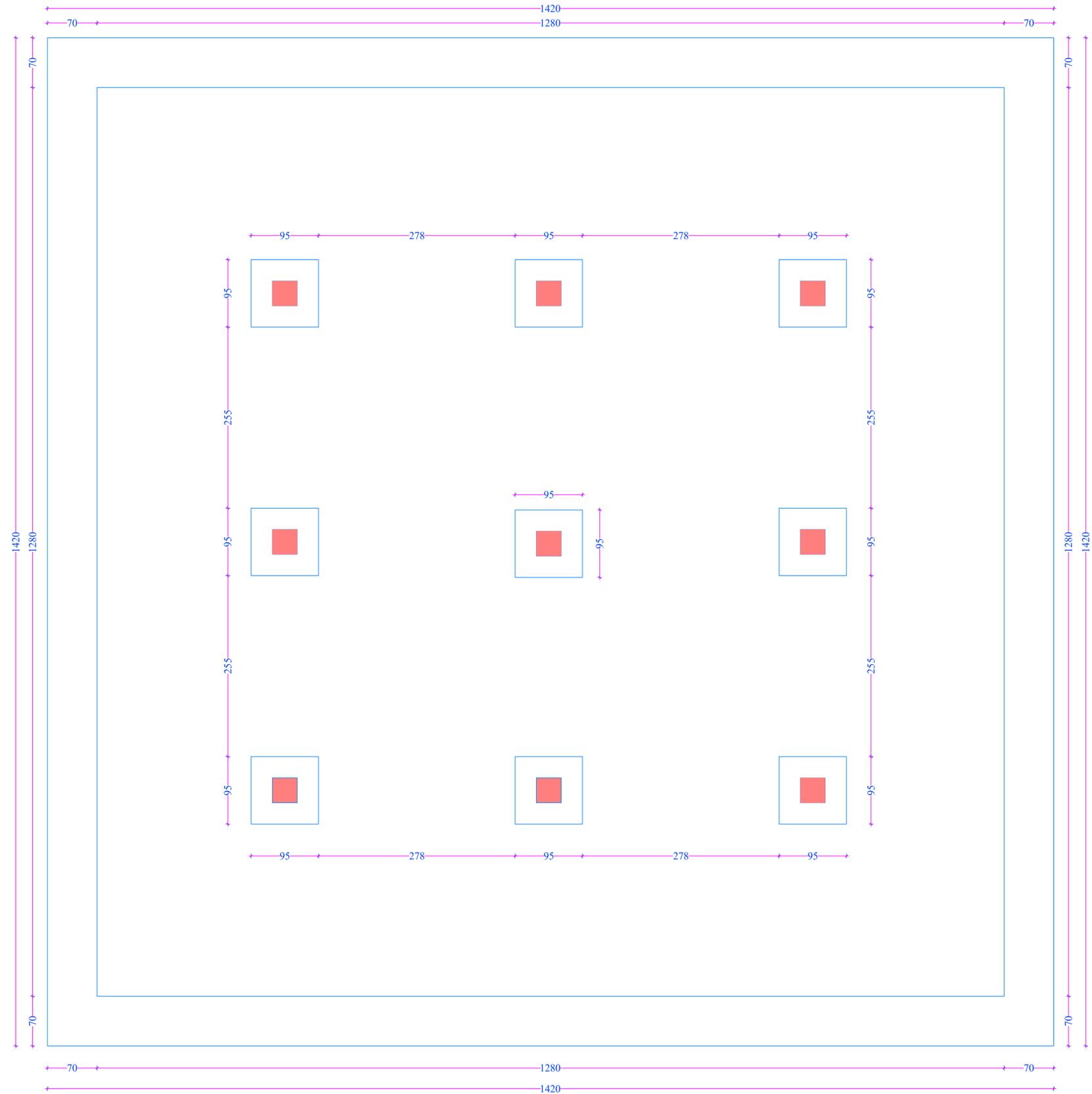
PROJECT NAME	AHF /WASH Project
DRAWING TITLE	35 m3 Elevated water reservoir

Front View of Solar Park



	No	Surveyed by :	OAWCK Engineering Team	<b style="color: green;">Organization for Afghan Woman Capacity and Knowledge (OAWCK)	Scale:		Province:	Balkh	Project name: AHF/WASH Project
	1	Designed by:	OAWCK Engineering Team		Date:	2023	Districts:	KUSHANDI , HAZARI	
	2	Drawn by:	OAWCK Engineering Team		Drawing No:		Village	Concern Villages as per Contract	Drawing Title: <b style="color: red;">Front View of Solar Park
	3	Approved by:	Haji M.Zaman Safi						

Foundation Plan of boundary wall and column of stand M 1:100

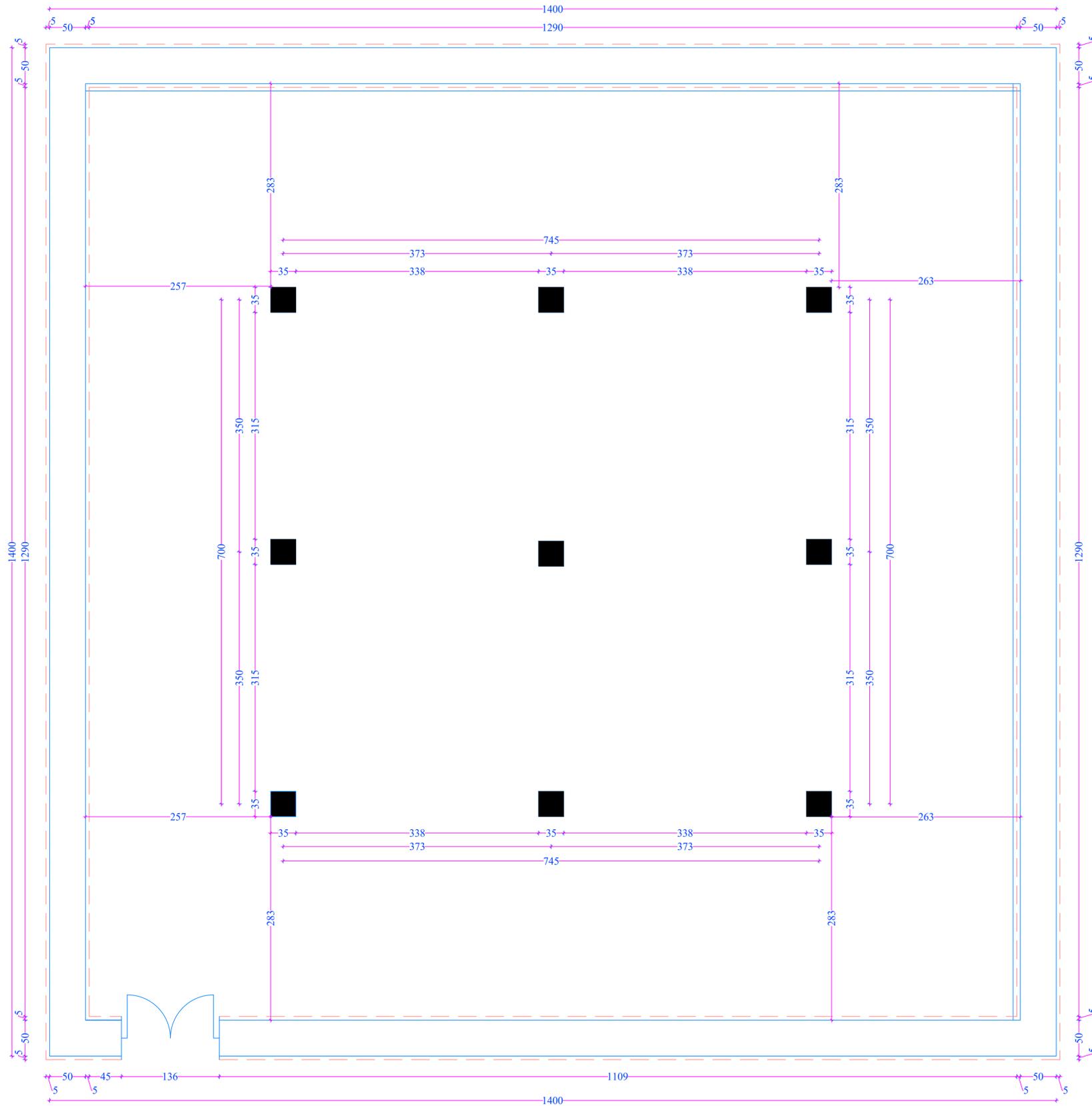


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**Organization for Afghan Woman
Capacity and Knowledge (OAWCK)**

Scale:		Province:	Balkh	Project name:	AHF/WASH Project
Date:	2023	Districts:	KUSHANDI , HAZARI	Drawing Title:	Foundation Plan of Solar Park
Drawing No:		Village	Concern Villages as per Contract		

Column layout M 1:100

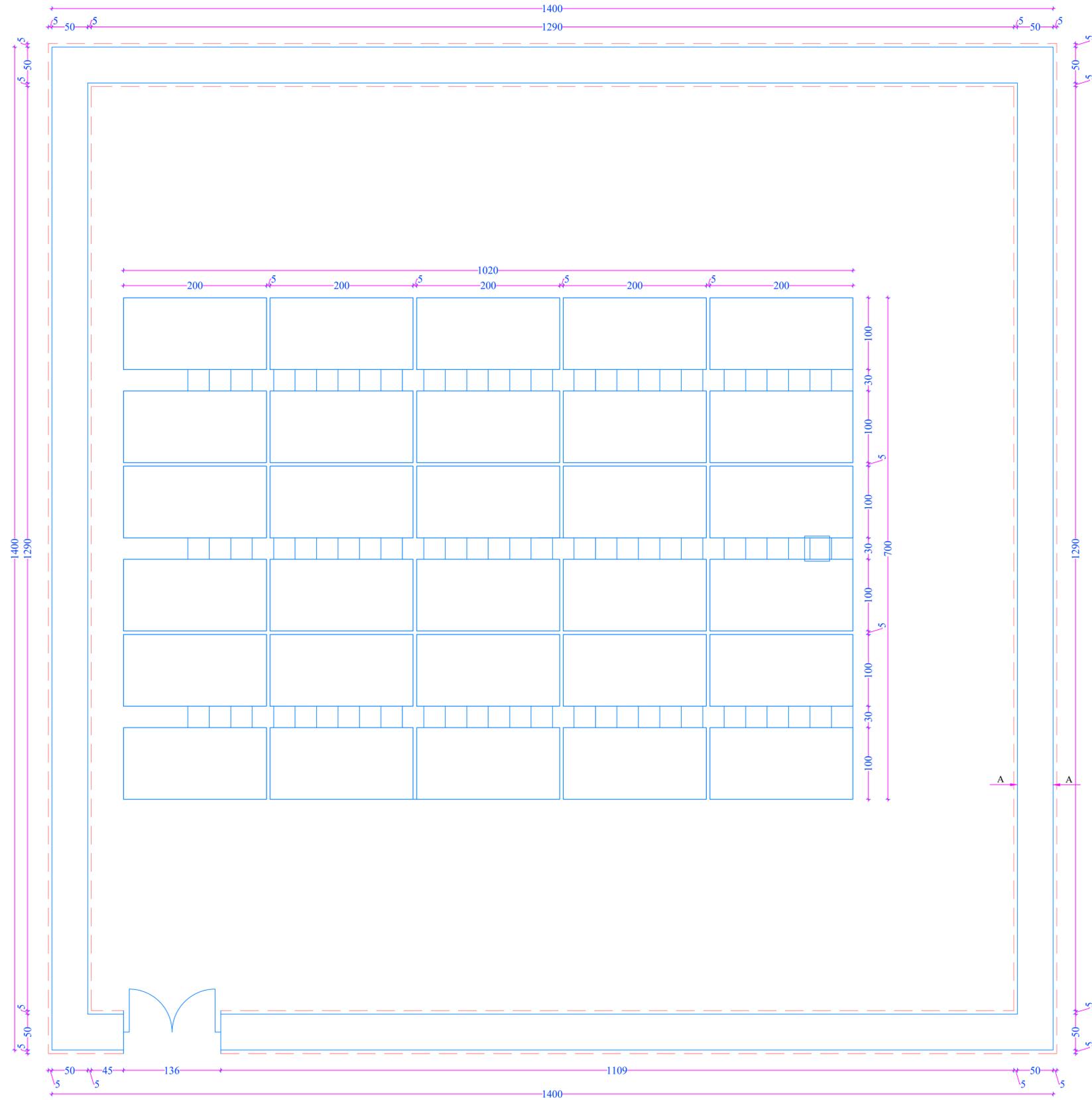


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Scale:		Province:	Balkh	Project name:	AHF/WASH Project
Date:	2023	Districts:	KUSHANDI , HAZARU	Drawing Title:	Column layout of Solar Park of 35 m ³ Elevated Tank
Drawing No:		Village	Concern Villages as per Contract		

Plan of boundary wall and Solar stand M 1:100

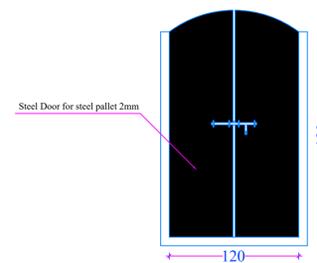
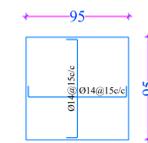
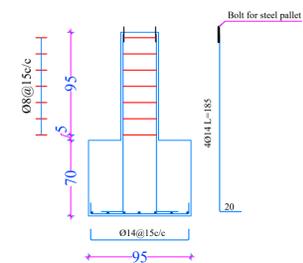
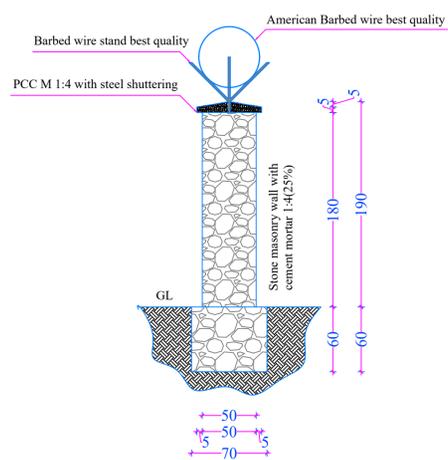
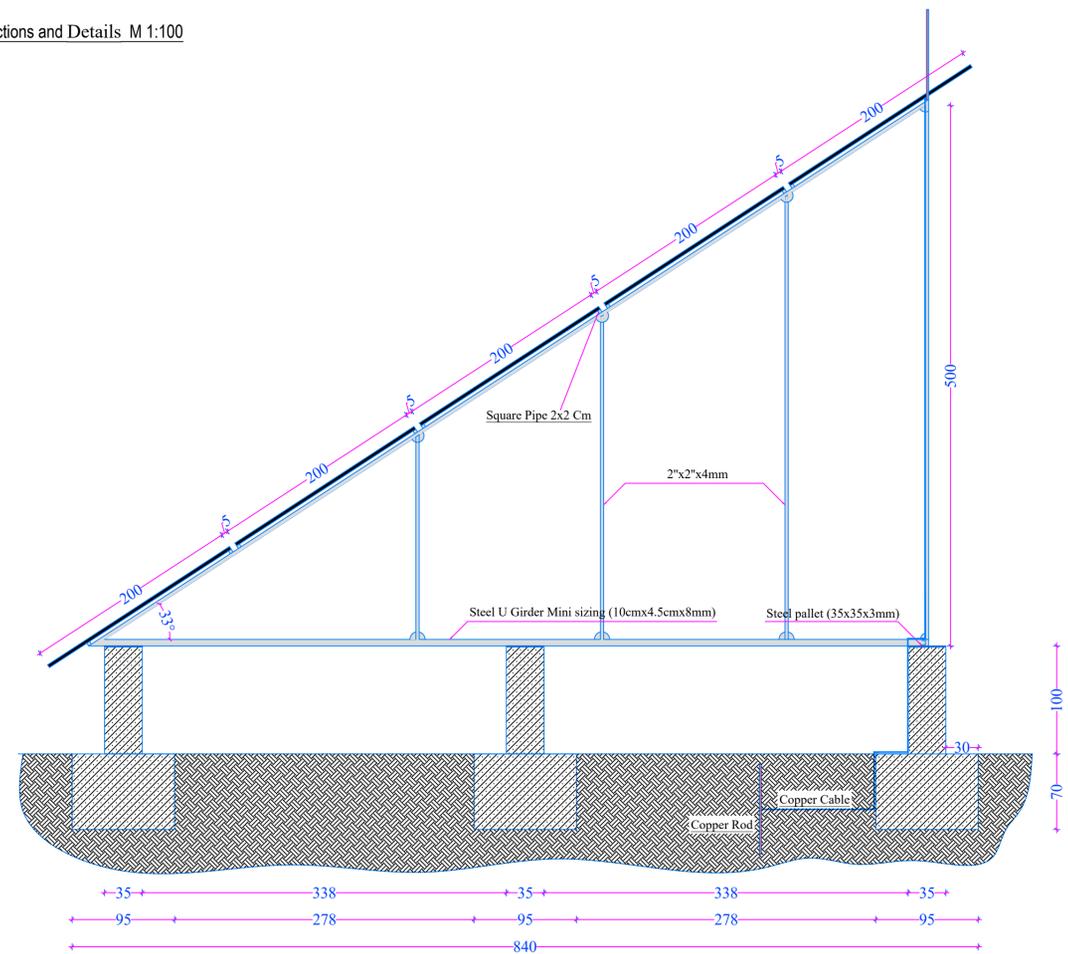
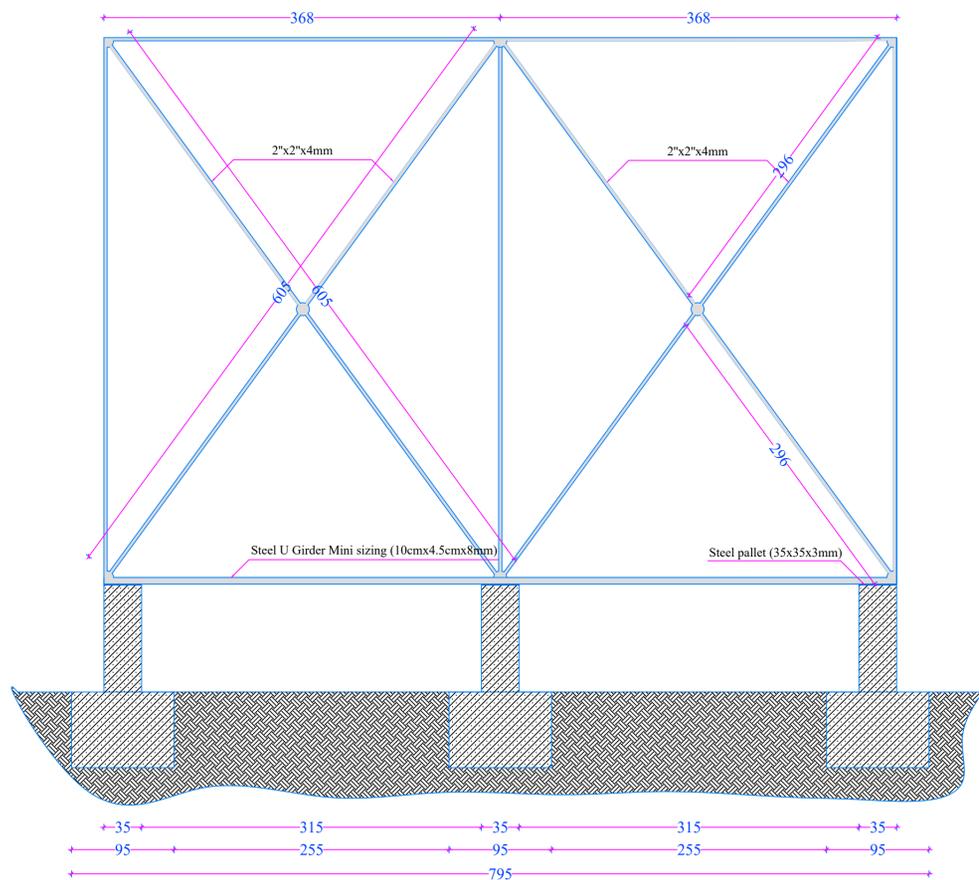


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Date:	2023	Districts:	KUSHANDI , HAZARI	Drawing Title:	
Drawing No:		Village	Concern Villages as per Contract		Plan of boundary wall and Solar stand

Sections and Details M 1:100



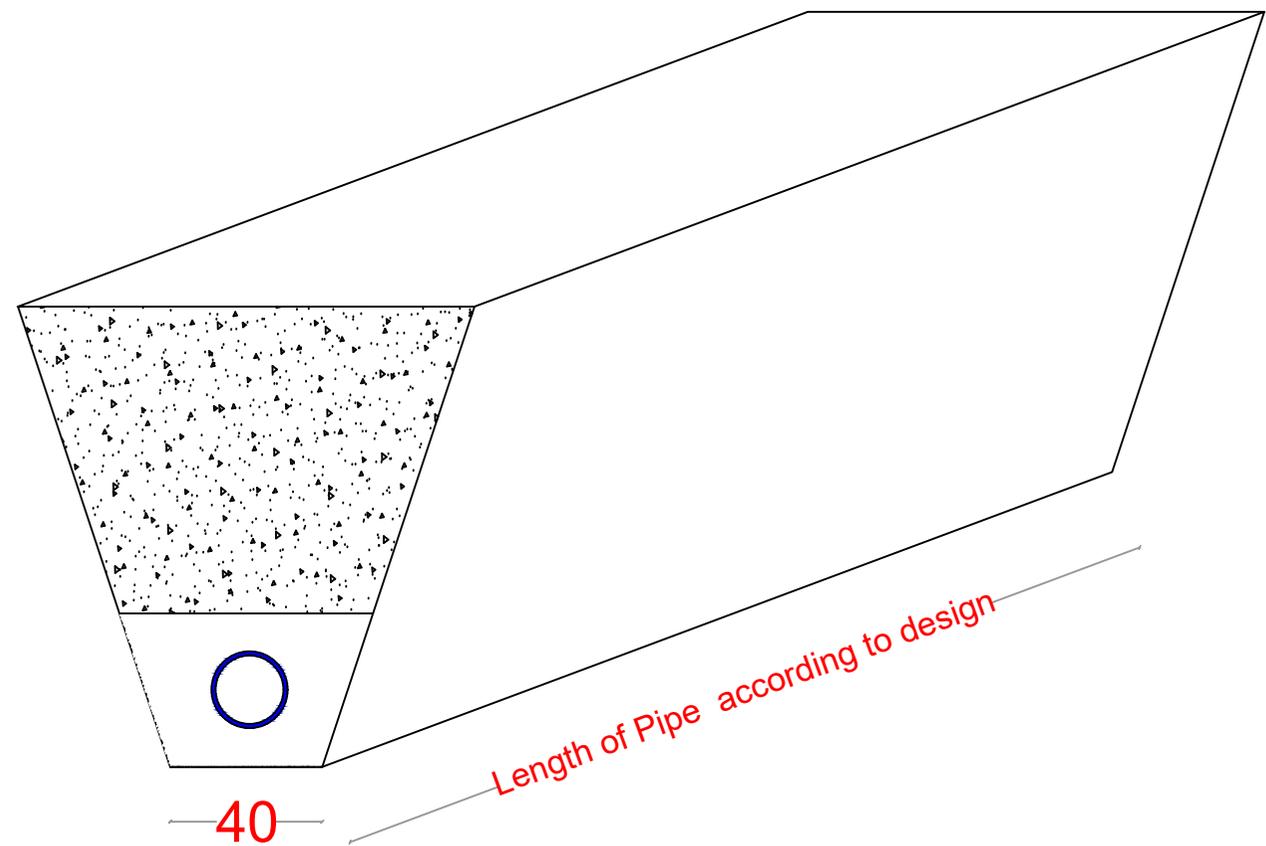
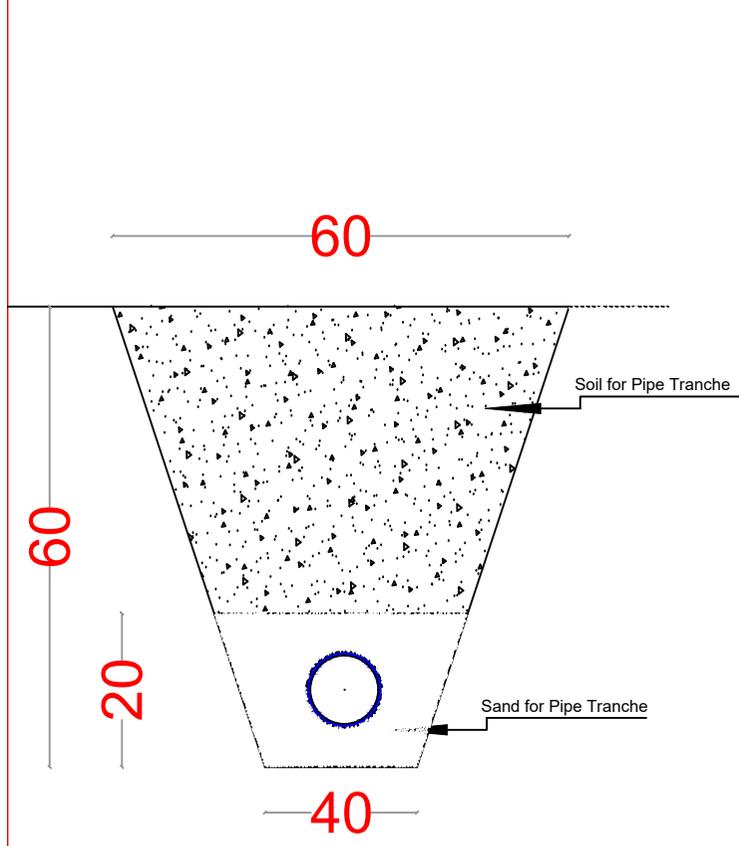
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Scale:		Province:	Balkh	Project name:	AHF/WASH Project
Date:	2023	Districts:	KUSHANDI , HAZARU	Drawing Title:	Sections and Details of Solar Park of 35M3 Elevated Tank
Drawing No:		Village	Concern Villages as per Contract		

Crass Section of Pipe

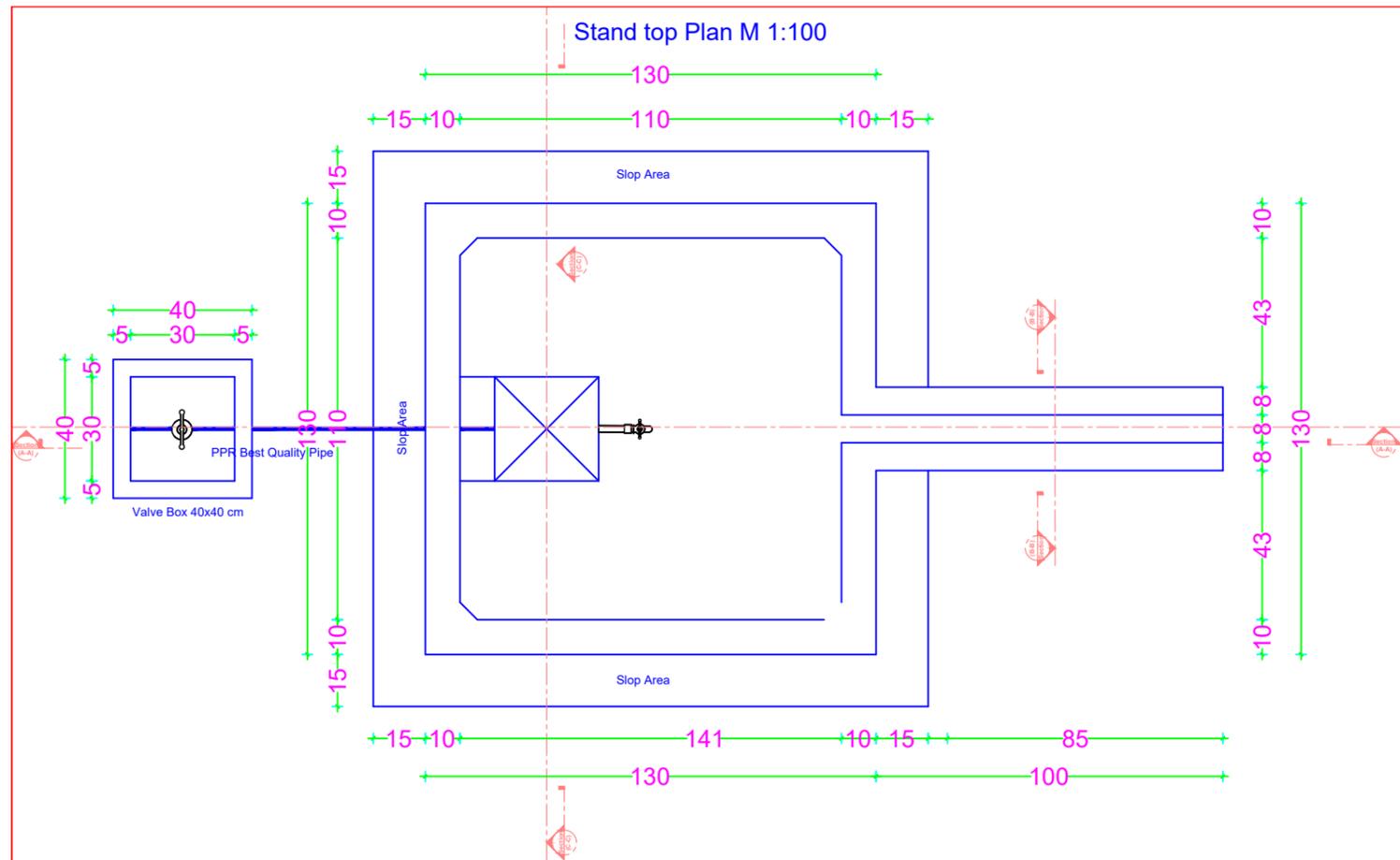
Isometry of Pipe



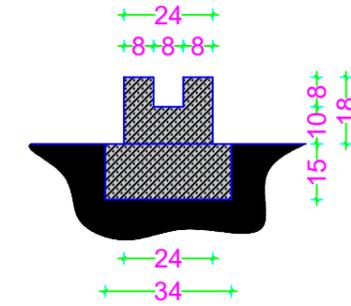
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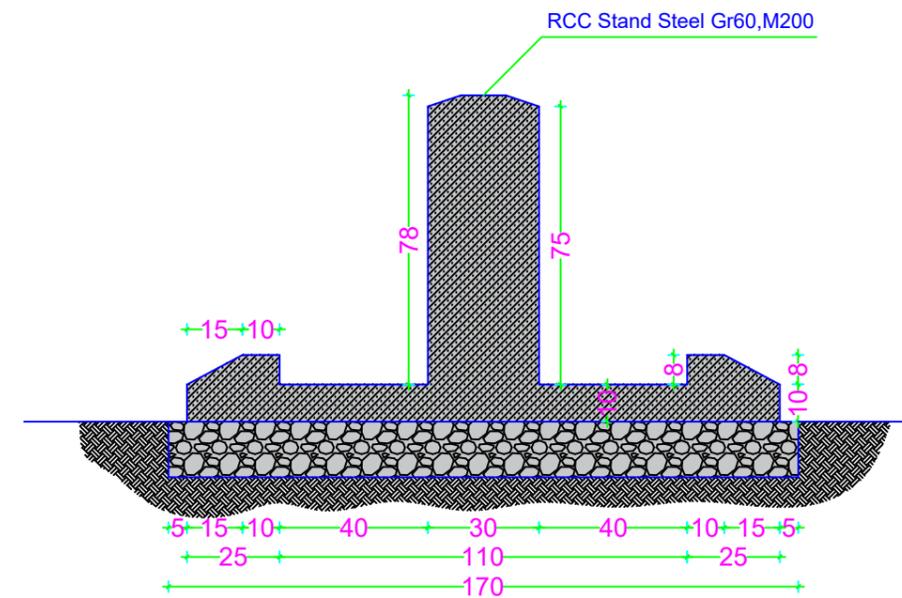
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Date:		Districts:		
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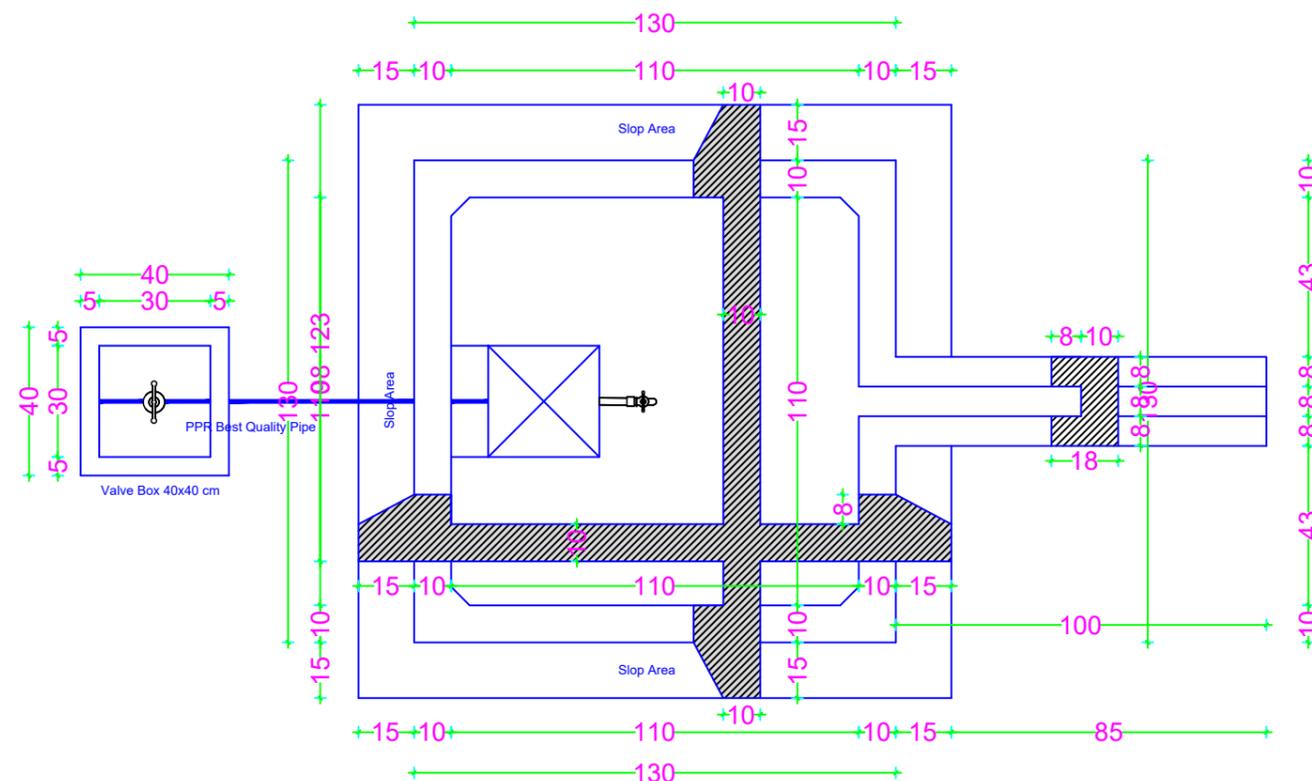
Section (B-B) M 1:100



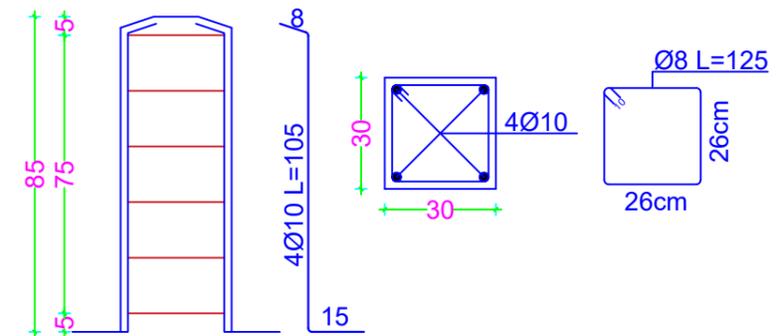
Section (C-C) M 1:100



Stand top shattering Plan M 1:100



Stand Reinforcement



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Organization for Afghan Woman
Capacity and Knowledge (OAWCK)

Scale:		Province:	Balkh	Project name:	AHF/WASH Project
Date:	2023	Districts:	KUSHANDI , HAZARI	Drawing Title:	Stand Top Plan and section
Drawing No:		Village	Concern Villages as per Contract		



Organization For Afghan Woman Capacity and Knowledge (OAWCK)

PROVINCE

Balkh

DISTRICT

Kushandi and Zari

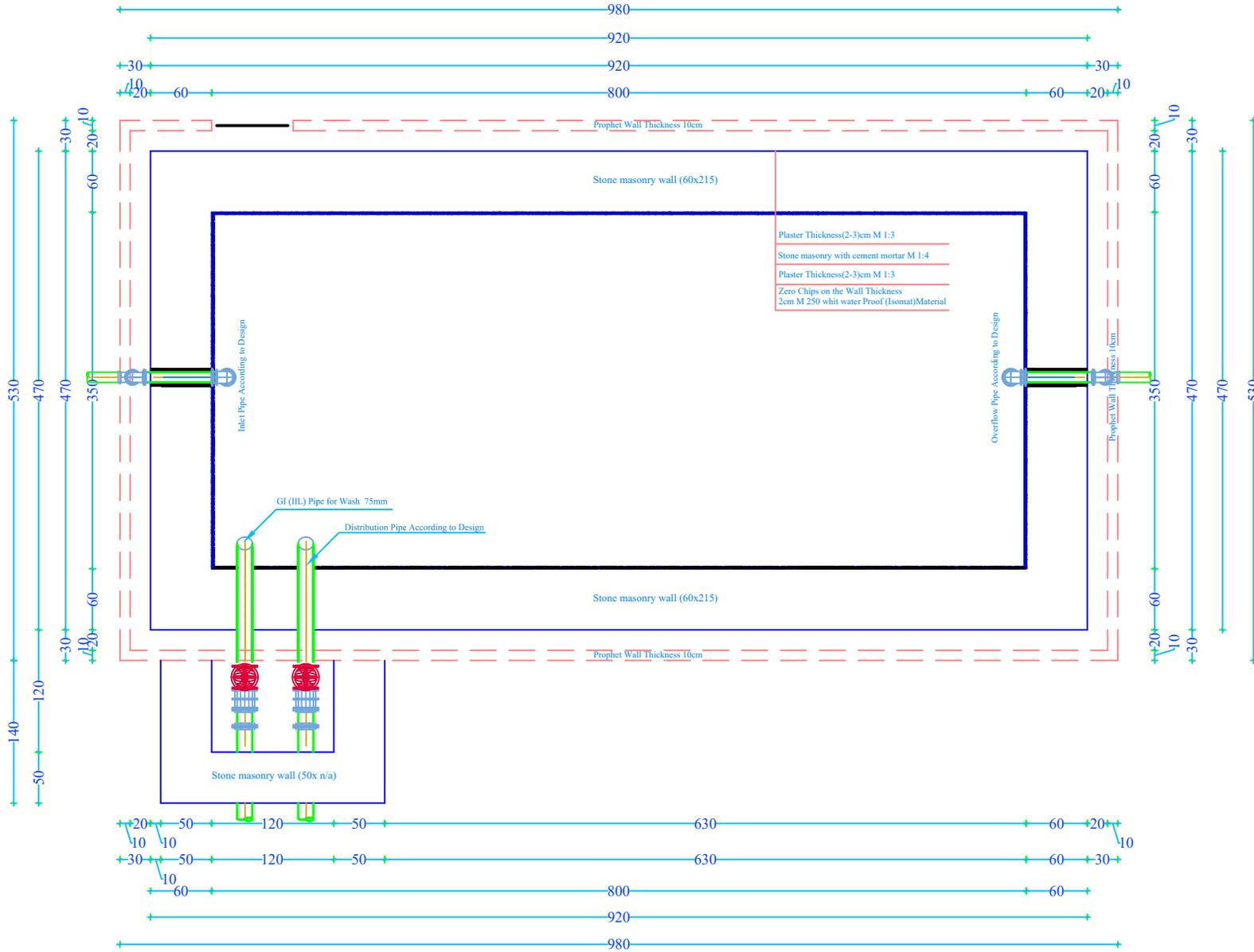
VILLAGE

Concern Villages as per Contract

PROJECT Title

Surface Water Reservoir for Gravity System

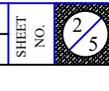
Water Reservoir Plan M 1:100



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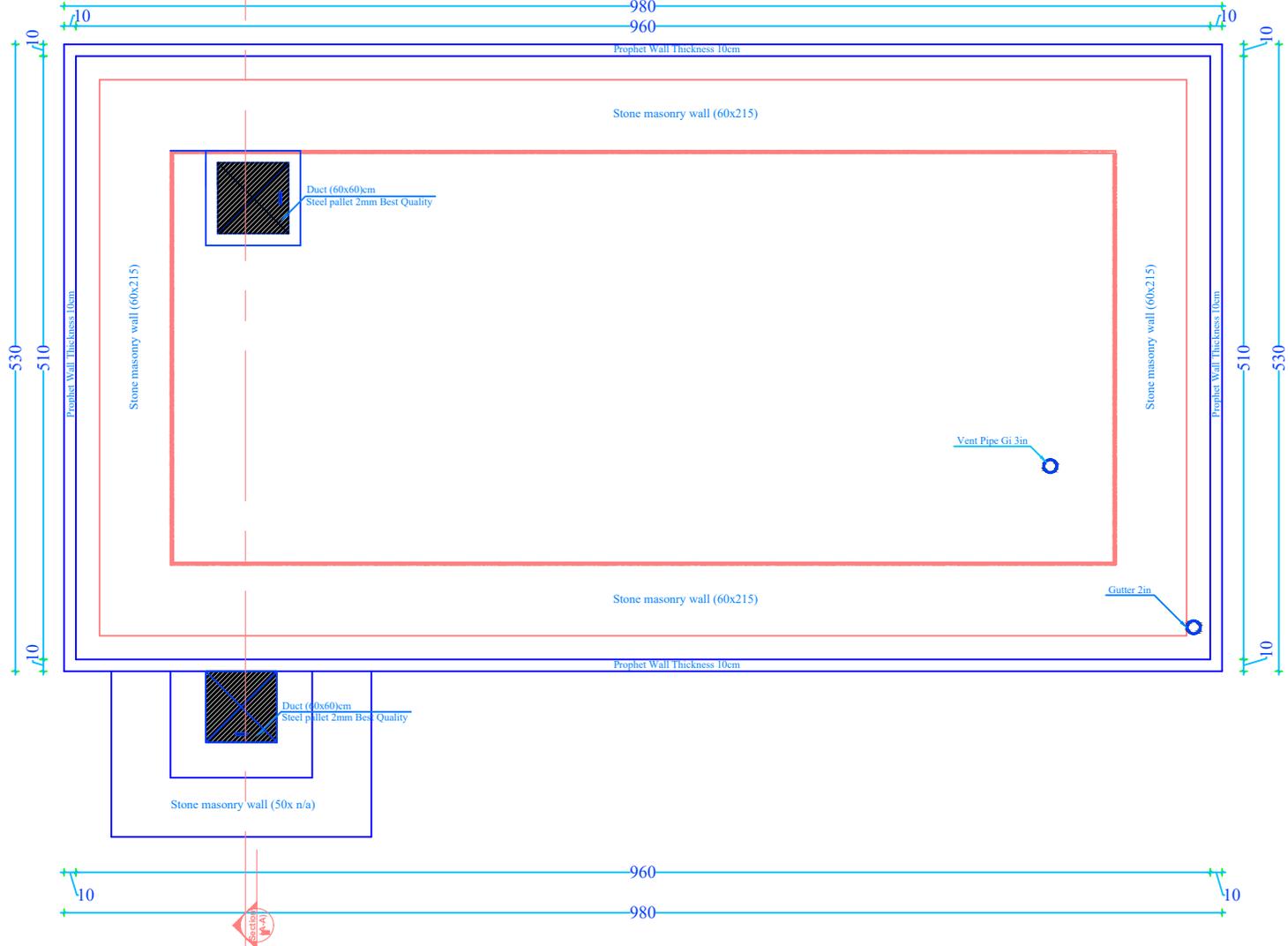
SCALE	
DATE	2023
DRAWING NO	



PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

PROJECT NAME	AHF /WASH Project
DRAWING TITLE	40 ^3 Water Reservoir Plan

Roof Plan M 1:100



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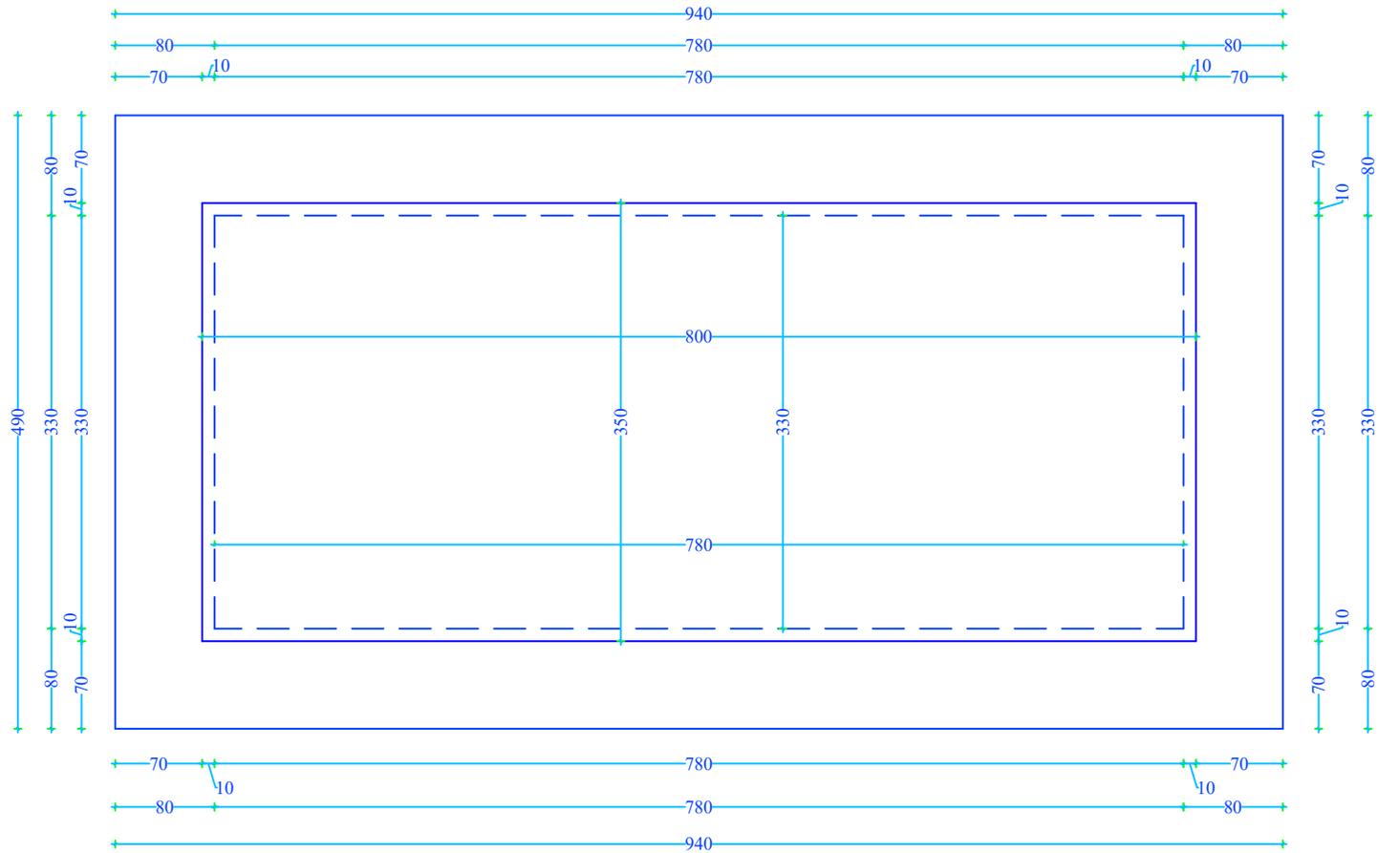
Organization For Afghan Woman Capacity and Knowledge (OAWCK)

SCALE		SHEET NO.	3/5
DATE	2023		
DRAWING NO.			

PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

PROJECT NAME	AHF /WASH Project
DRAWING TITLE	40*3 Reservoir Roof Plan

Foundation Plan M 1:100



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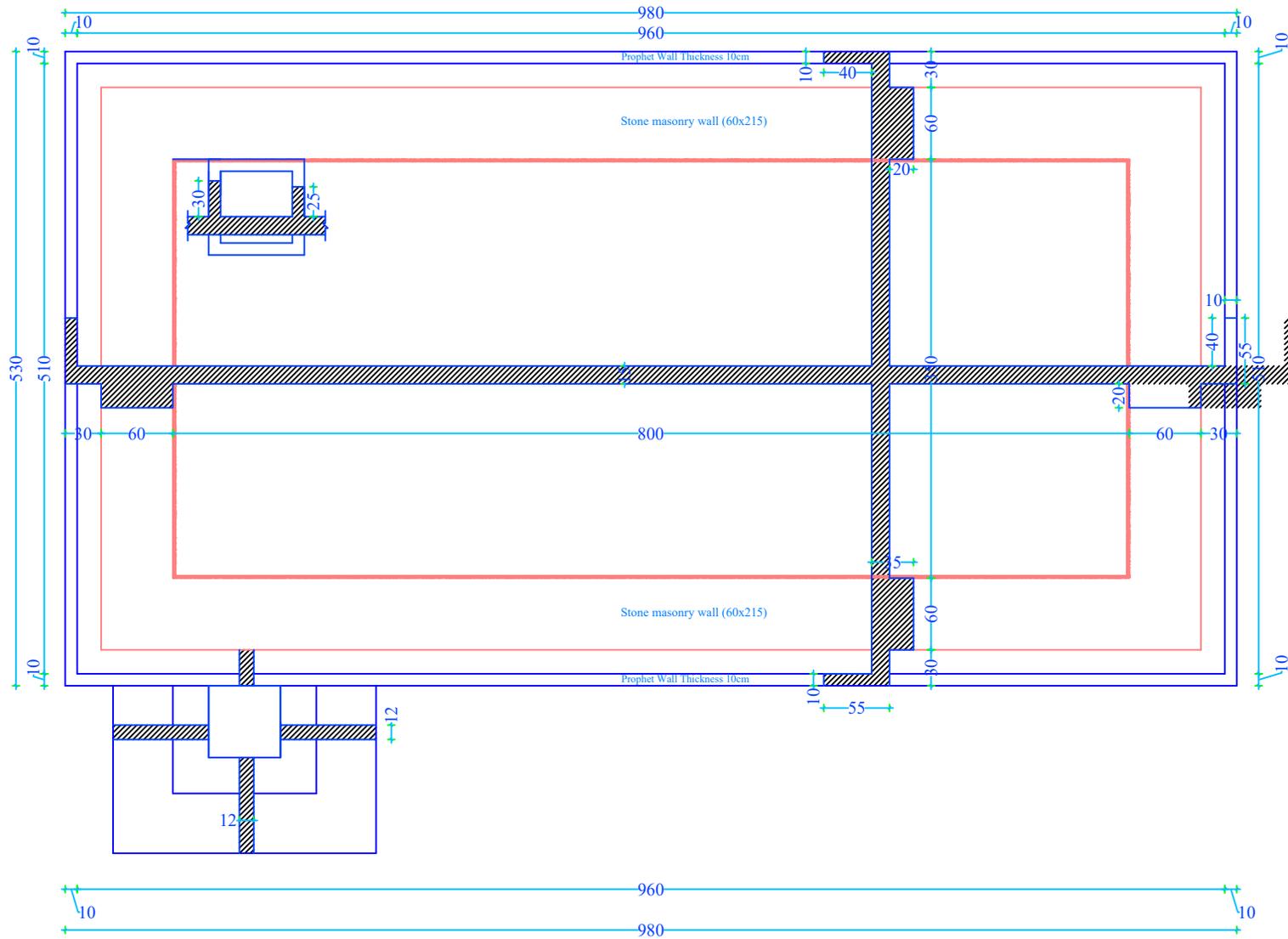
Organization For Afghan Woman Capacity and Knowledge (OAWCK)

SCALE		SHEET NO. 1/5
DATE	2023	
DRAWING NO.		

PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

PROJECT NAME	AHF /WASH Project
DRAWING TITLE	Water reservoir 40M³ Foundation Plan

Roof Shuttering Plan



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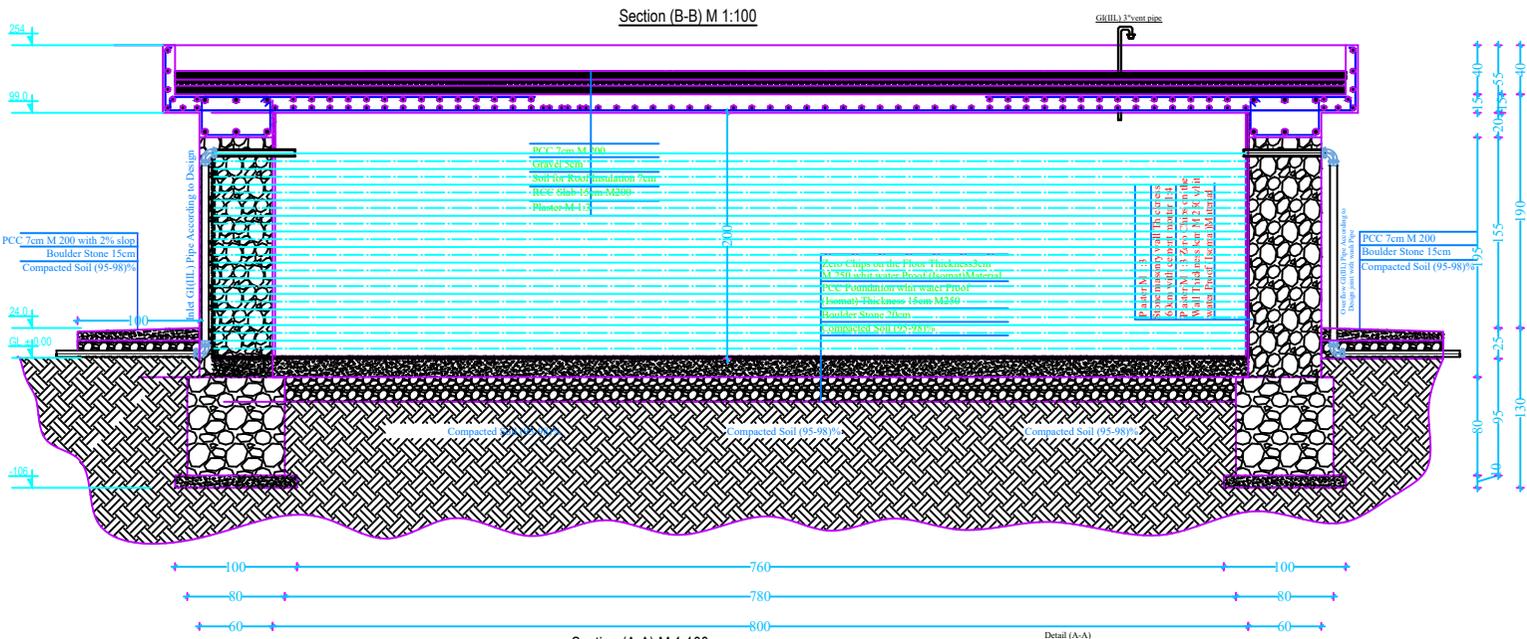
Organization For Afghan Woman Capacity and Knowledge (OAWCK)

SCALE	
DATE	2023
DRAWING NO.	

SHEET NO.	4/5
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PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

PROJECT NAME	AHF /WASH Project
DRAWING TITLE	40 ^3 W.R Roof Shuttering Plan



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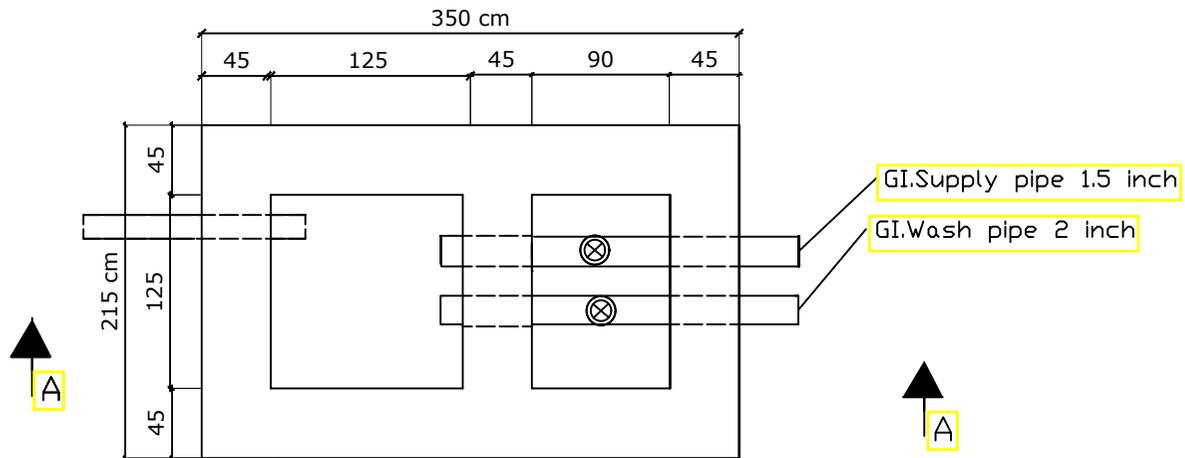
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SHEET NO. **5/5**

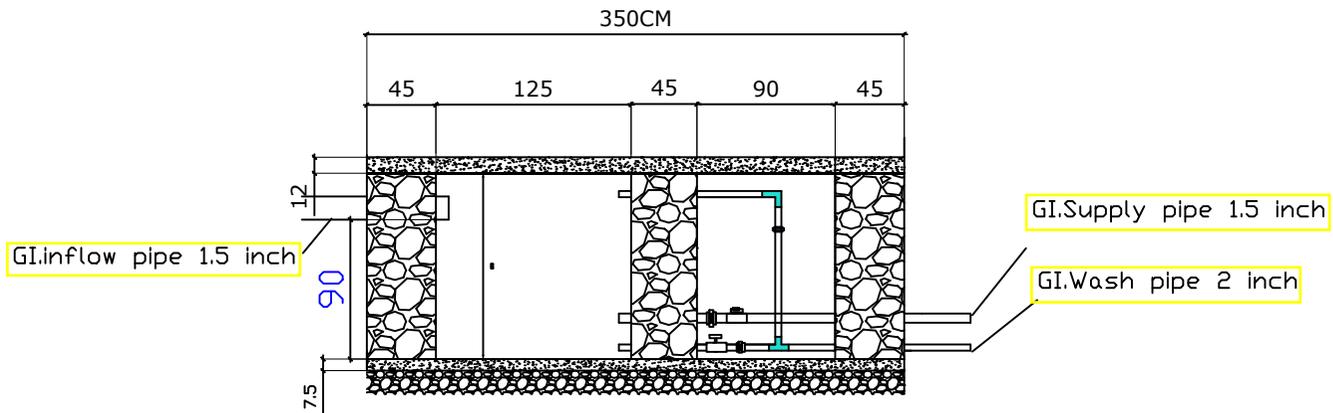
PROVINCE	Balkh
DISTRICT	Kushandi and Hazari
VILLAGE	Concern Villages as per Contract

PROJECT NAME	AHF /WASH Project
DRAWING TITLE	40 ^3 Water reservoir Section (A-A)(B-B)

SPRING CHAMBER Plan



SECTION.A-A



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**Organization for Afghan Woman Capacity
and Knowledge (OAWCK)**

Scale:	
Date:	2023
Drawing No:	

Sheet No

02
04

Province:	Balkh
District:	kushandi & Hazrat
Village:	Contract Villages

Project name:	AHF/WASH Project
Drawing Title:	SPRING CHAMBER Plan