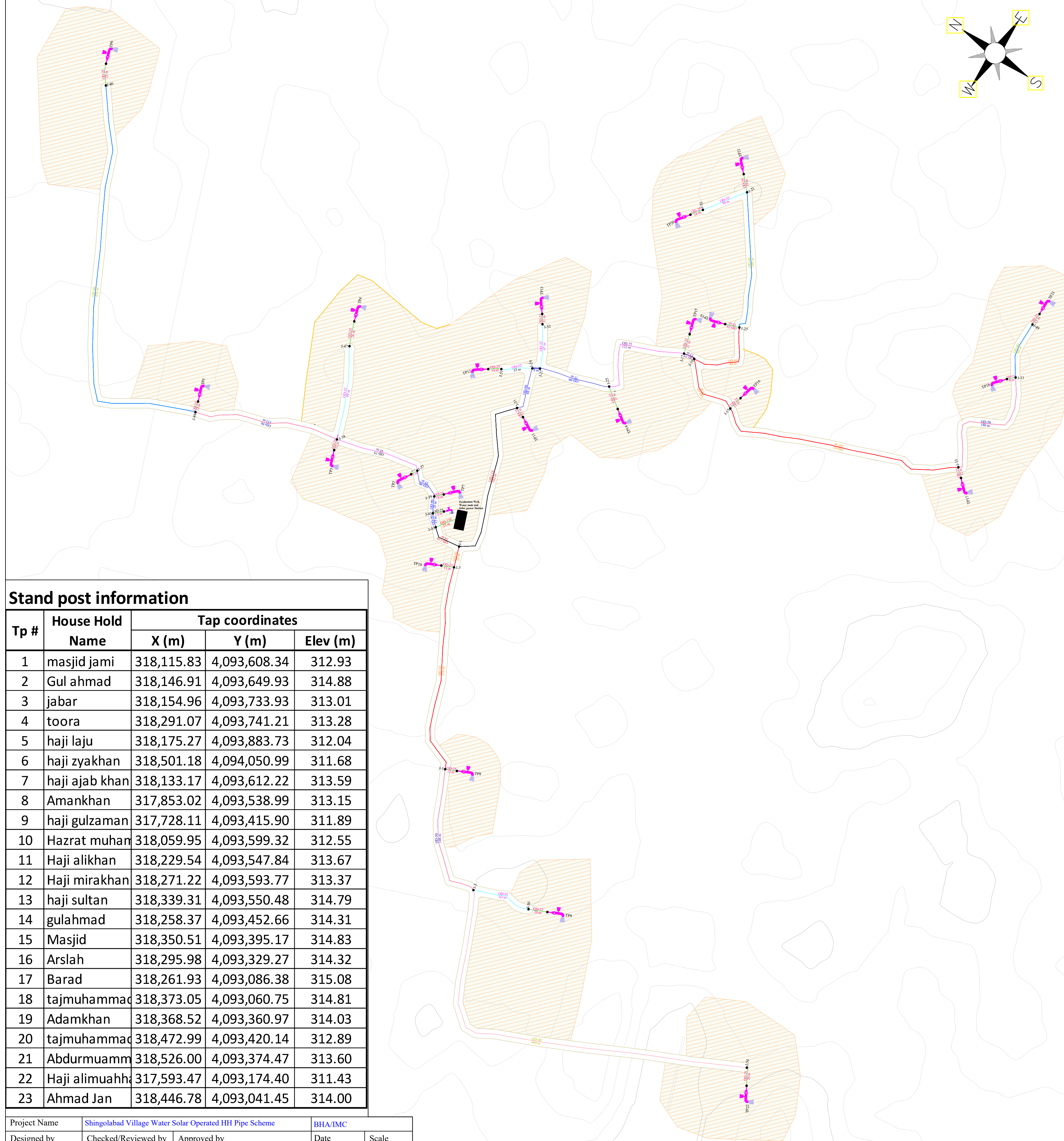
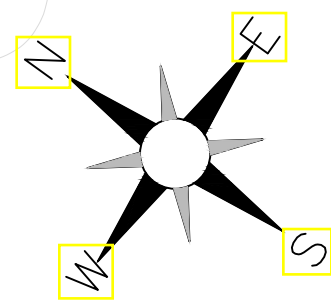


INTERNATIONAL MEDICAL CORPS WASH PROGRAM

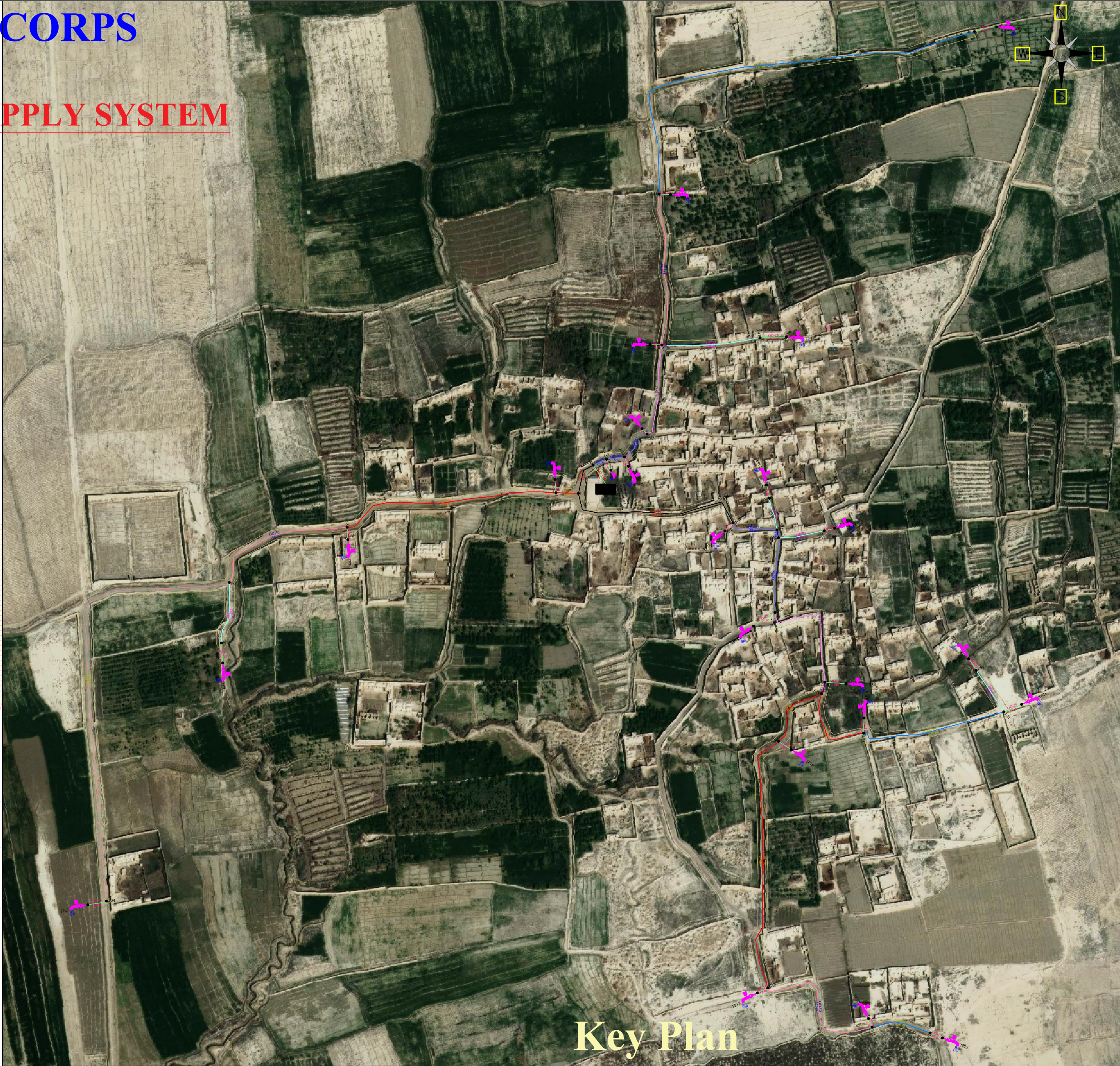
Shingolabad SOLAR POWERED WATER SUPPLY SYSTEM



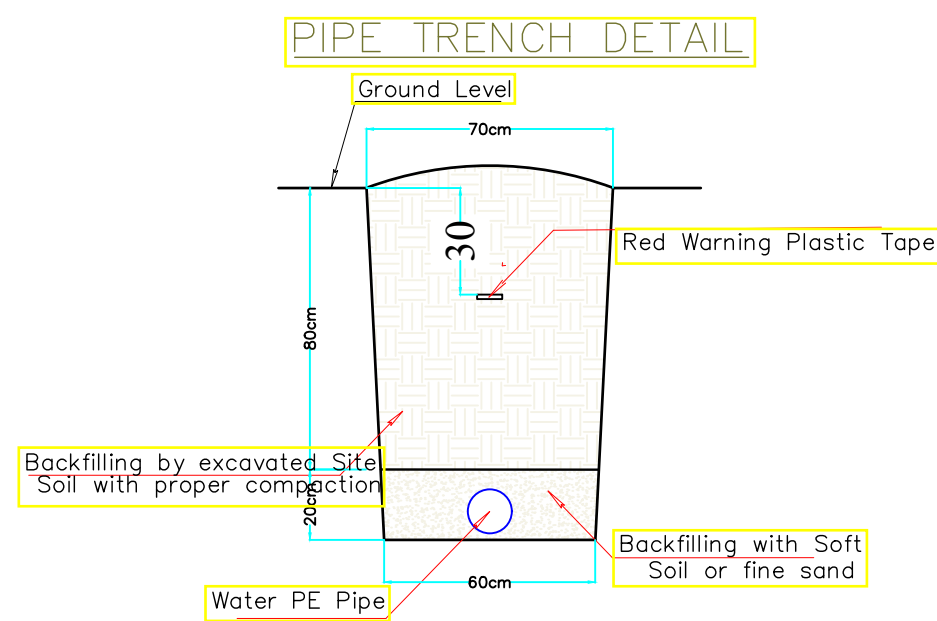
Stand post information

Tp #	House Hold Name	Tap coordinates		
		X (m)	Y (m)	Elev (m)
1	masjid jami	318,115.83	4,093,608.34	312.93
2	Gul ahmad	318,146.91	4,093,649.93	314.88
3	jabar	318,154.96	4,093,733.93	313.01
4	toora	318,291.07	4,093,741.21	313.28
5	haji laju	318,175.27	4,093,883.73	312.04
6	haji zyakhan	318,501.18	4,094,050.99	311.68
7	haji ajab khan	318,133.17	4,093,612.22	313.59
8	Amankhan	317,853.02	4,093,538.99	313.15
9	haji gulzaman	317,728.11	4,093,415.90	311.89
10	Hazrat muhan	318,059.95	4,093,599.32	312.55
11	Haji alikhan	318,229.54	4,093,547.84	313.67
12	Haji mirakhan	318,271.22	4,093,593.77	313.37
13	haji sultan	318,339.31	4,093,550.48	314.79
14	gulahmad	318,258.37	4,093,452.66	314.31
15	Masjid	318,350.51	4,093,395.17	314.83
16	Arslah	318,295.98	4,093,329.27	314.32
17	Barad	318,261.93	4,093,086.38	315.08
18	tajmuhammad	318,373.05	4,093,060.75	314.81
19	Adamkhan	318,368.52	4,093,360.97	314.03
20	tajmuhammad	318,472.99	4,093,420.14	312.89
21	Abdurmuamm	318,526.00	4,093,374.47	313.60
22	Haji alimuahh	317,593.47	4,093,174.40	311.43
23	Ahmad Jan	318,446.78	4,093,041.45	314.00

Project Name	Shingolabad Village Water Solar Operated HH Pipe Scheme		BHA/IMC	
Designed by IMC-WASH-TEAM	Checked/Reviewed by ENGLM.YOUSUF_MAZHAR	Approved by HQ, Syed Yasir Ahmad	Date SEP/2022	Scale AS-SHOWN
Province	Baluch	HORIZONTAL_ALIGNMENT		
District	Dawlatabad			
Village/CDC	Shingolabad			
		DRAWING#1	Edition 1ST_VERSION	Sheet SHEET_1



Key Plan



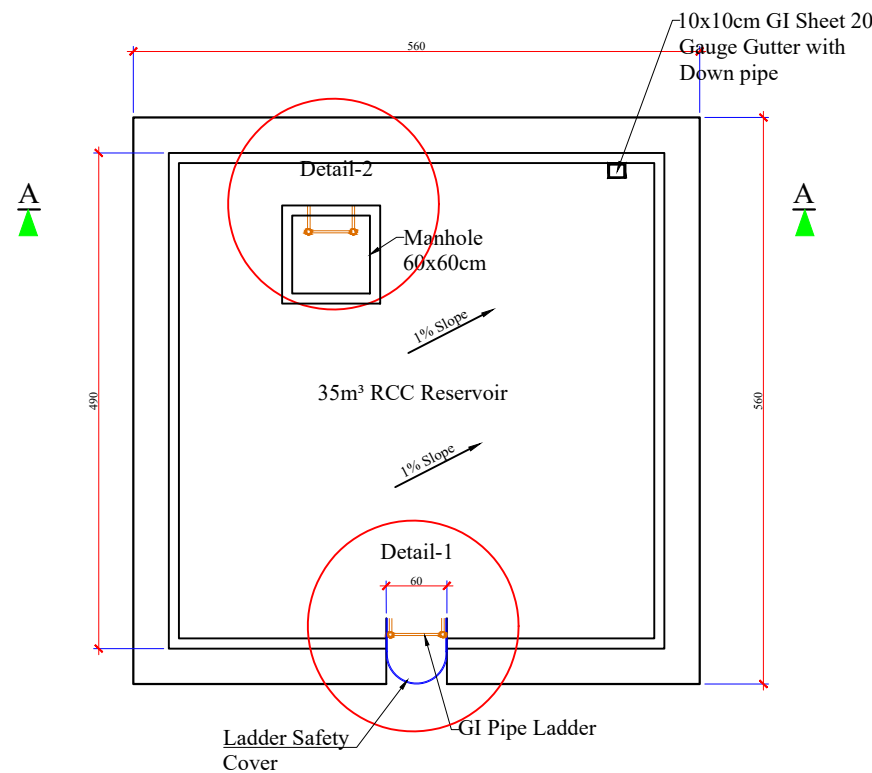
Infrastructures Location				
S/N	Feature Name	Easting (M)	Northing (M)	Elevation (m)
1	Water Well	318,129.37	4,093,599.42	312
2	Water Tank	318,110.61	4,093,594.66	313

Note:

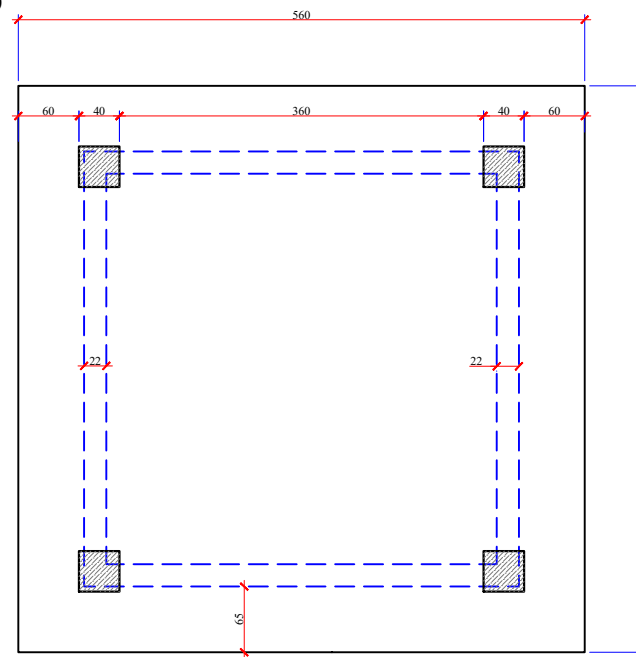
- The unit used for length is meter and for diameter is ().
- HDPE-100 Pipe, 16 Bar used for Ø20, Ø25 and Well-Tank pipes, and the HDPE-PE100, 10 Bars is using for larger sizes of the pipes, from Ø32 and above (As per PE pipe standard Catalogue).
- All diameter of PE pipe in drawing considered Outer diameter.
- The design/drawing has been prepared based on GPS surveyed data, therefore the flow must be checked in some critical pressure zones and in case of issues should inform the design team for further technical guidance and follow ups.
- The WASH Site engineer and contractor should adjust the Taps flow to design flow.
- Arbitrary tap's connections are not allowed, so please avoid extra tap's connection, but in case of need please contact with the design team and then you can take further steps accordingly.

LEGEND

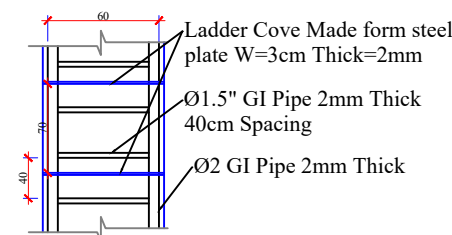
Water Well+PV system	
Topographic (Contours Lines)	
Residential Area	
PE Pipe 100, PN10 Ø(OD) 160	
PE Pipe 100, PN10 Ø(OD) 140	
PE Pipe 100, PN10 Ø(OD) 125	
PE Pipe 100, PN10 Ø(OD) OD-110	
PE Pipe 100, PN10 Ø(OD) OD-90	
PE Pipe 100, PN10 Ø(OD) OD-75	
PE Pipe 100, PN10 Ø(OD) OD-63	
PE Pipe 100, PN10 Ø(OD) OD-50	
PE Pipe 100, PN10 Ø(OD) OD-40	
PE Pipe 100, PN16 Ø(OD) OD-32	
PE Pipe 100, PN16 Ø(OD) OD-25	
PE Pipe 100, PN16 Ø(OD) OD-25	
PE-PIPE FROM WELL-TANK	
STAND POST	
POINT (NODES)	
WATER TANK	
GATE VALVE BOX	



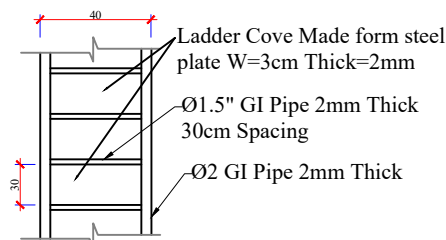
1 TANK ROOF PLAN
SCALE 1:100



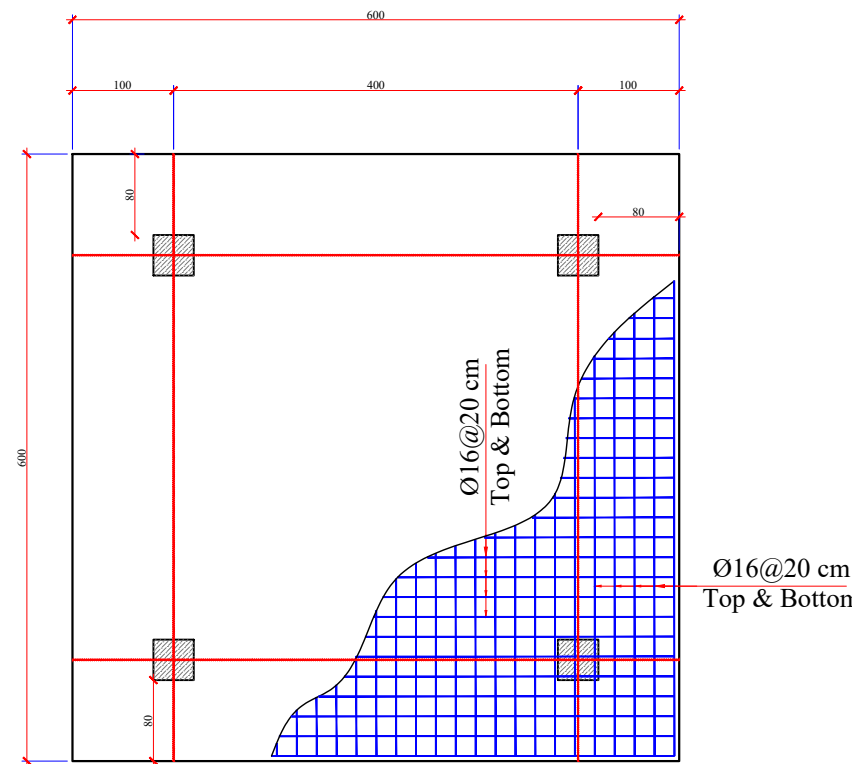
1 TANK FLOOR PLAN
SCALE 1:100



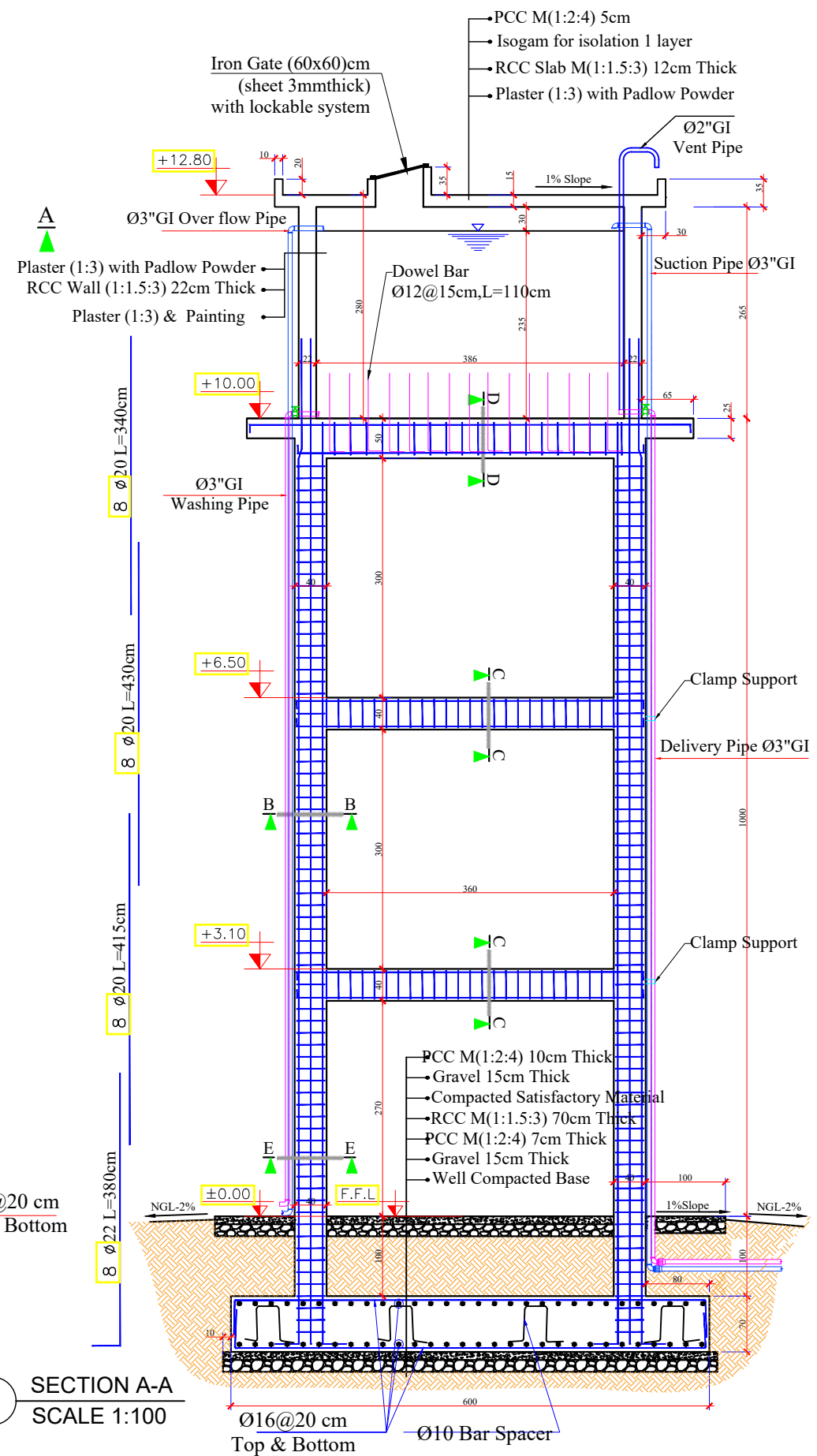
1 Detail -1
SCALE: NTA



1 Detail -2
SCALE: NTA



2 FOOTING REINFORCEMENT PLAN
SCALE 1:100



3 SECTION A-A
SCALE 1:100

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INTERNATIONAL MEDICAL CORPS (IMC)
PROGRAM DEPARTMENT
WASH UNIT

Drafted and Design BY: IMC/WASH Team

Review and Checked by: Eng. Yousuf Mazhar

Review and Approved by: Eng. Mohammad Yasir

Province: Balkh

District: Dawlat abad

Village: Shingla abad

Date: Sep/2022

Scale: A3-Shown

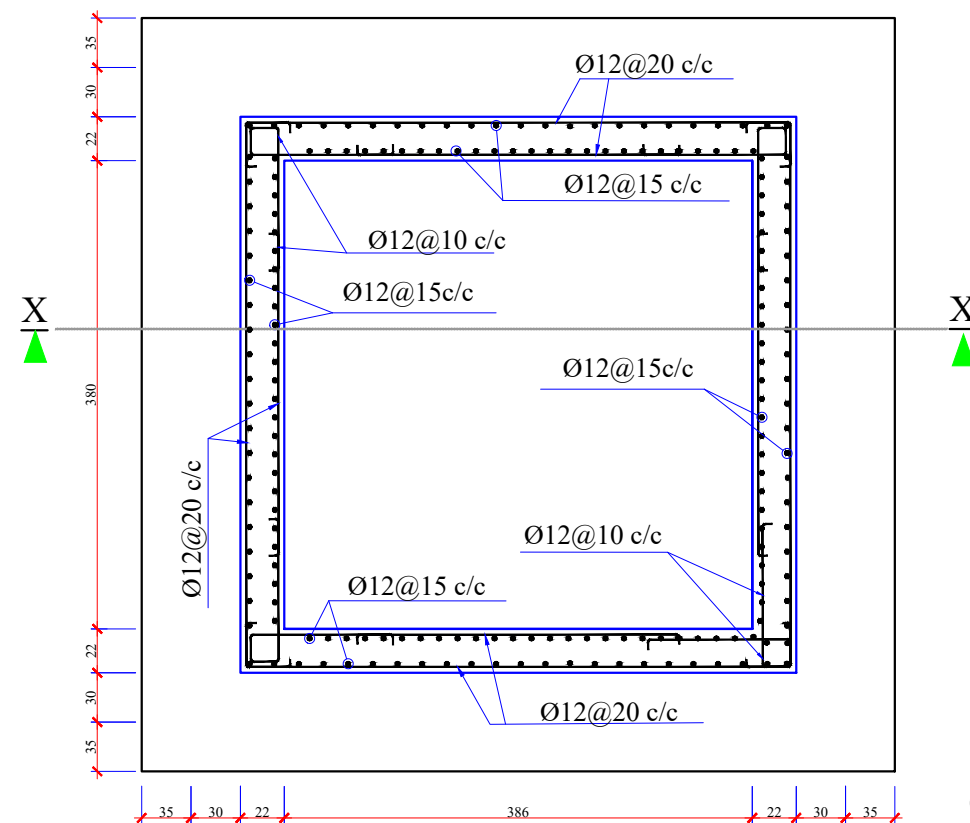
Unit: Centimeters

Drawing Title: Elevated 35 M3 Tank

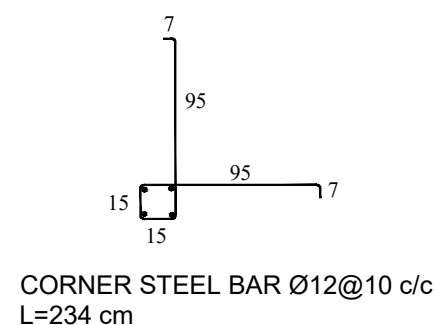
Sheet Title: Sections

Sheet #: -----





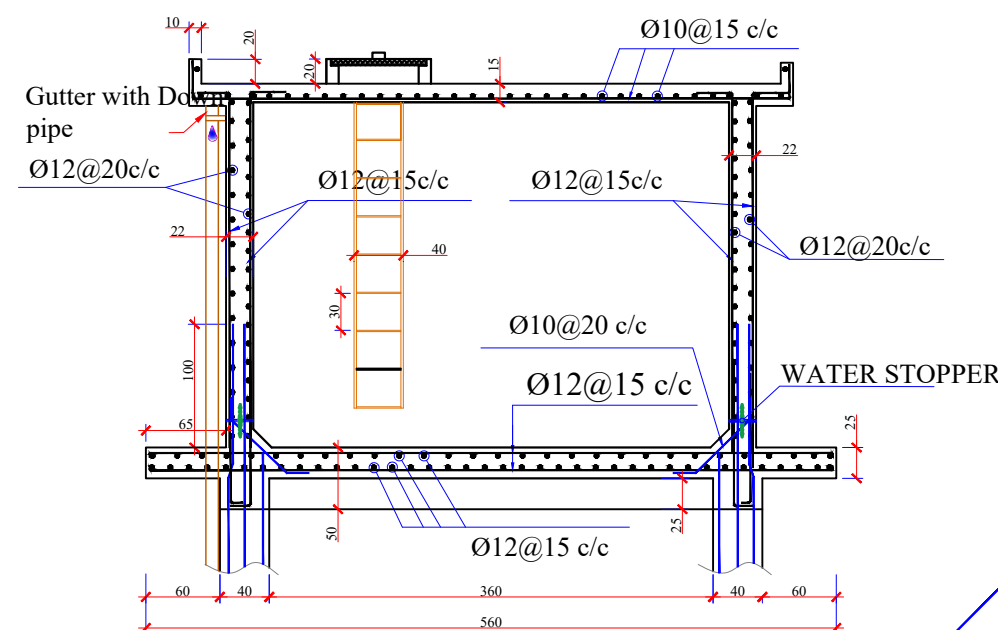
1 PLAN REINFORCEMENT
SCALE 1:100



CORNER STEEL BAR Ø12@10 c/c
L=234 cm

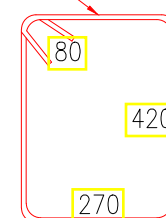
Note:

- 1- All dimensions are in cm unless otherwise stated.
- 2- During RCC work vibrator must be used to avoid water leakage from reservoir.
- 3- All PCC works should be with M(1:2:4) unless otherwise stated.
- 4- All RCC works should be with M(1:1.5:3).
- 5- Delivery and Sanction pipes should be Isolated with glass wool.
- 6- Curing must be continued up to 28 days.
- 7- Clear and Clean water must be used every where.
- 8- The inlet, outlet, overflow and washing pipes should be adjusted according to site condition.
- 9- Bearing Capacity Assumed 1.5kg/cm²



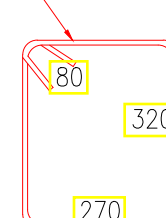
3 SECTION X-X
SCALE 1:100

Ø8@15c/c



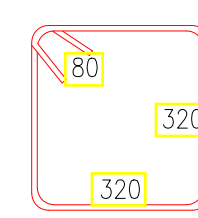
4 SECTION D-D
SCALE 1:100

Ø8@15c/c



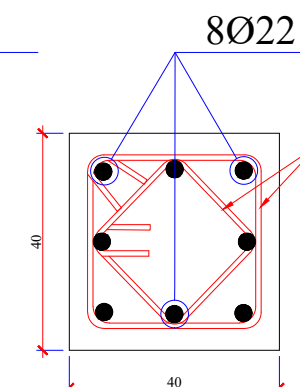
5 SECTION C-C
SCALE 1:100

Ø8@10 c/c



6 SECTION B-B
SCALE 1:100

8Ø22



6 SECTION E-E
SCALE 1:100

NOTE:

THE COLUMN'S STIRRUPS SPACING AT JOINT AND LONGITUDINAL BAR OVERLAPPING LOCATION TO BE CONSIDERED AT 10cm SPACE AND THE REST AT 20cm.

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WASH UNIT

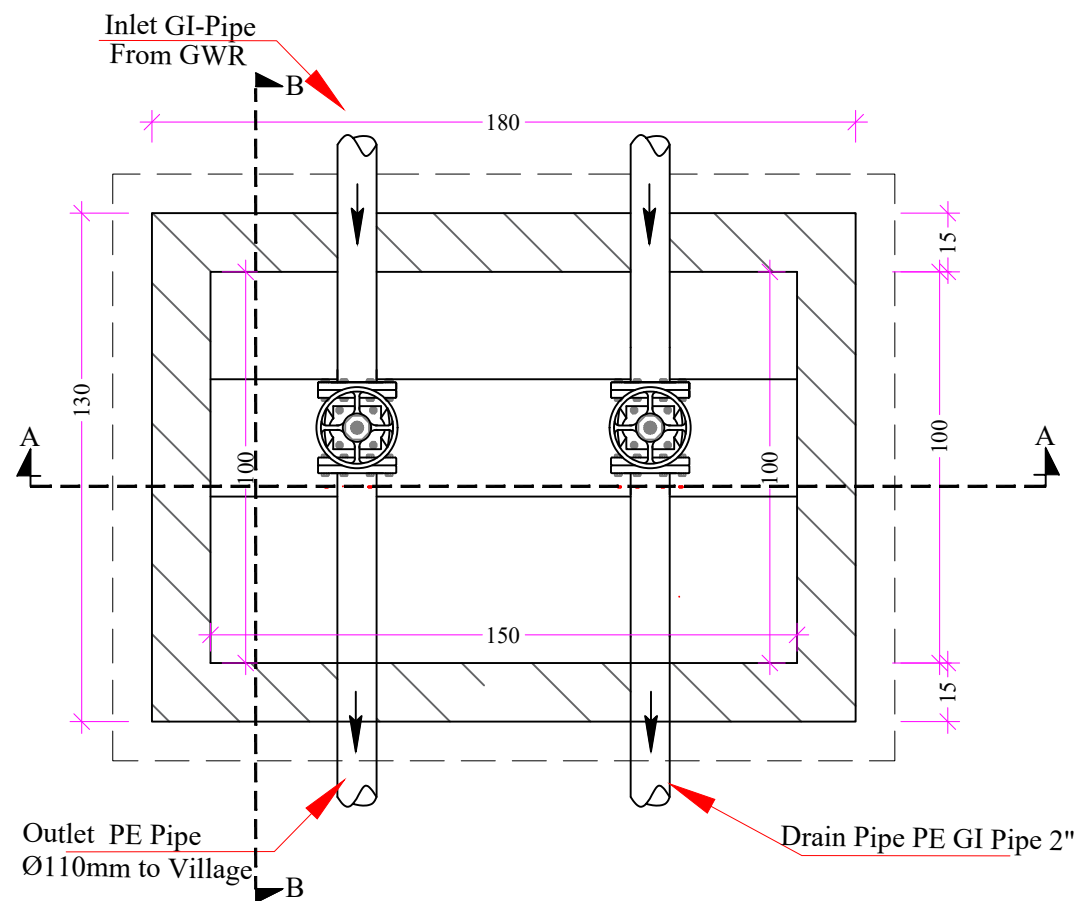
Drafted and Design BY: IMC/WASH Team
Review and Checked by: Eng. Yousuf Mazhar
Review and Approved by: Eng. Mohammad Yasir

Province: Balkh
District: Dawlat abad
Village: Shingla abad

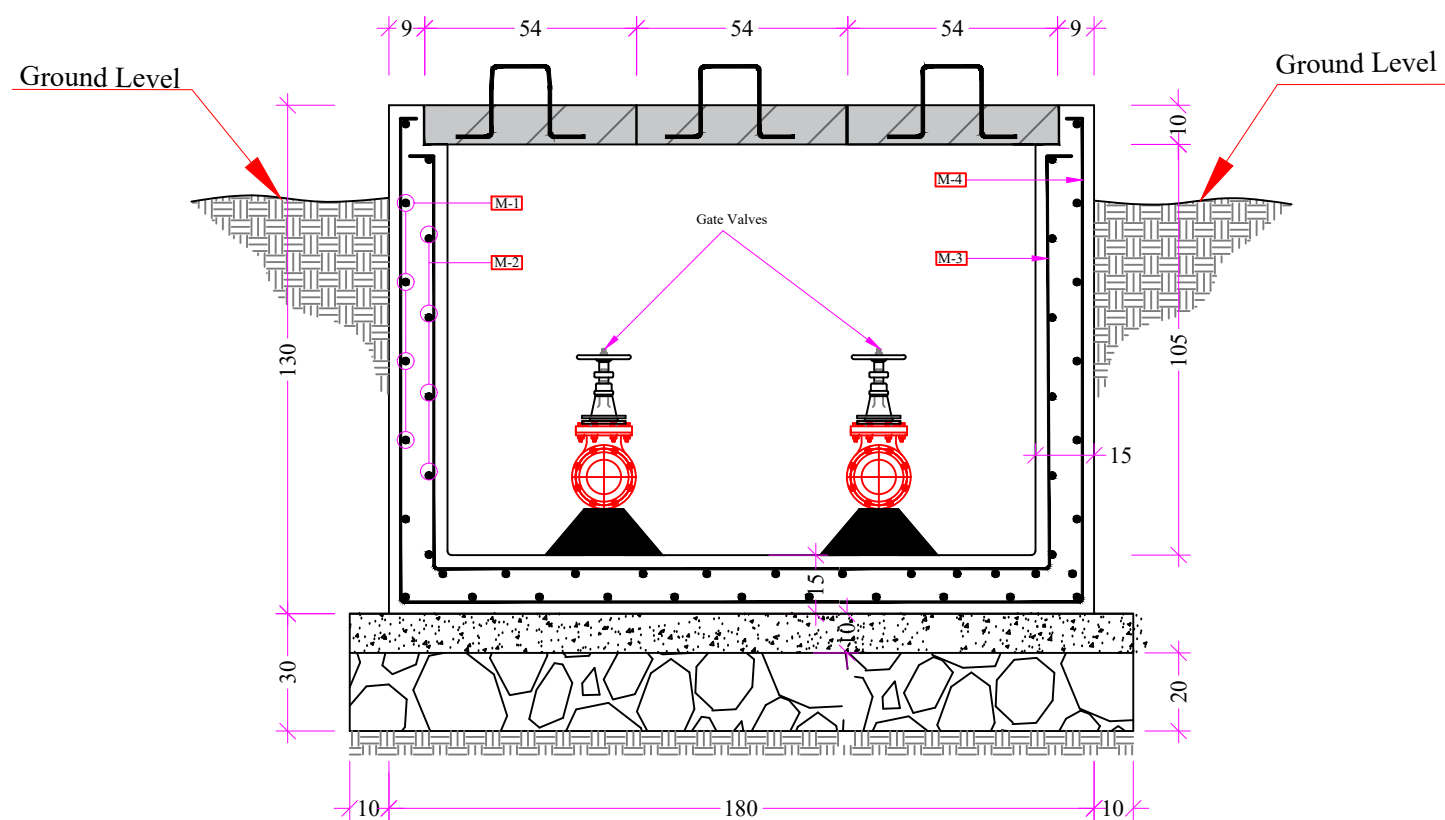
Date: Sep/2022
Scale: A3-Shown
Unit: Centimeters

Drawing Title: Elevated Tank 35 M3
Sheet Title: Renfor. Plan
Sheet #: -----

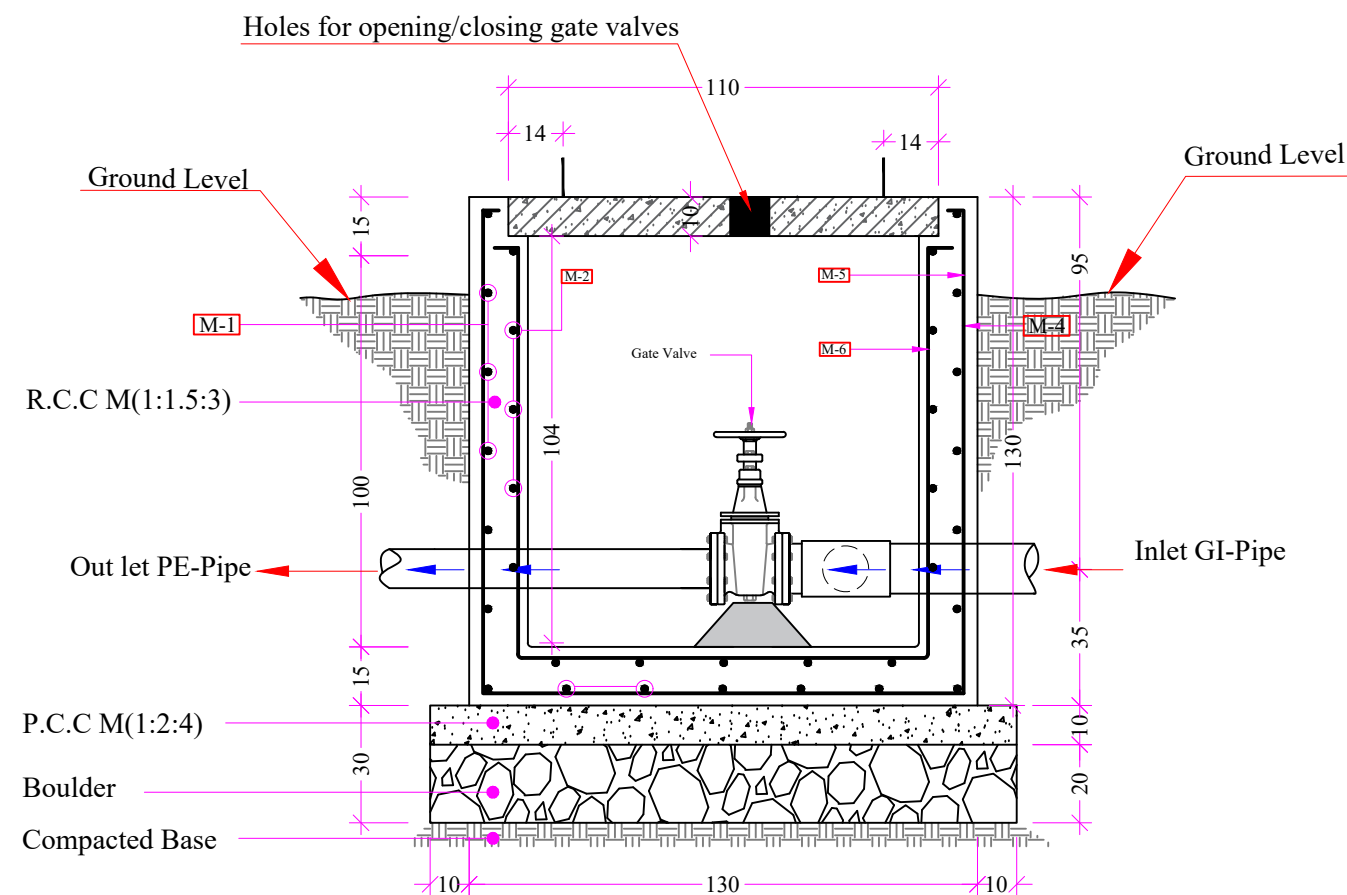




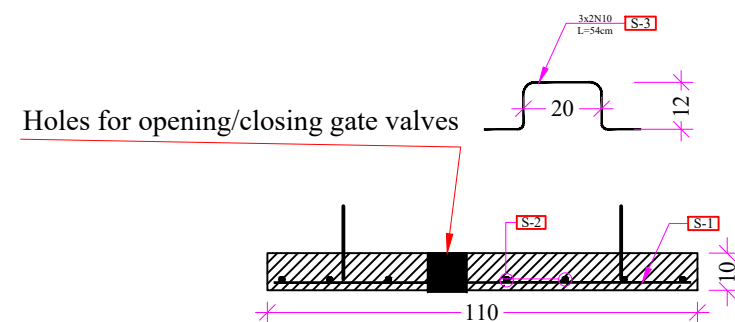
PLAN



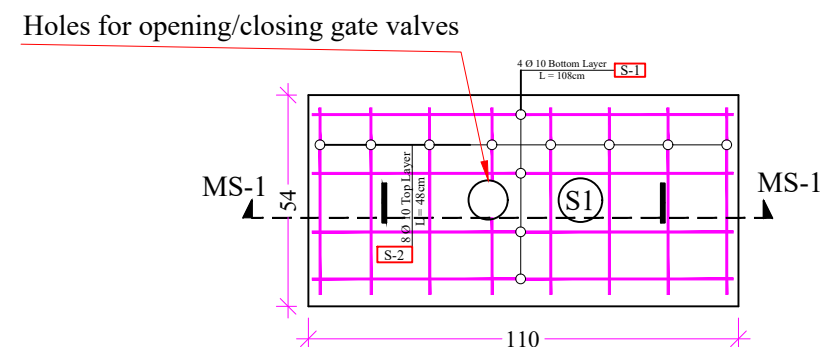
SECTION A-A



SECTION B-B



SECTION MS1-MS1



RCC SLAB PLAN

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INTERNATIONAL MEDICAL CORPS (IMC)
PROGRAM DEPARTMENT
WASH UNIT

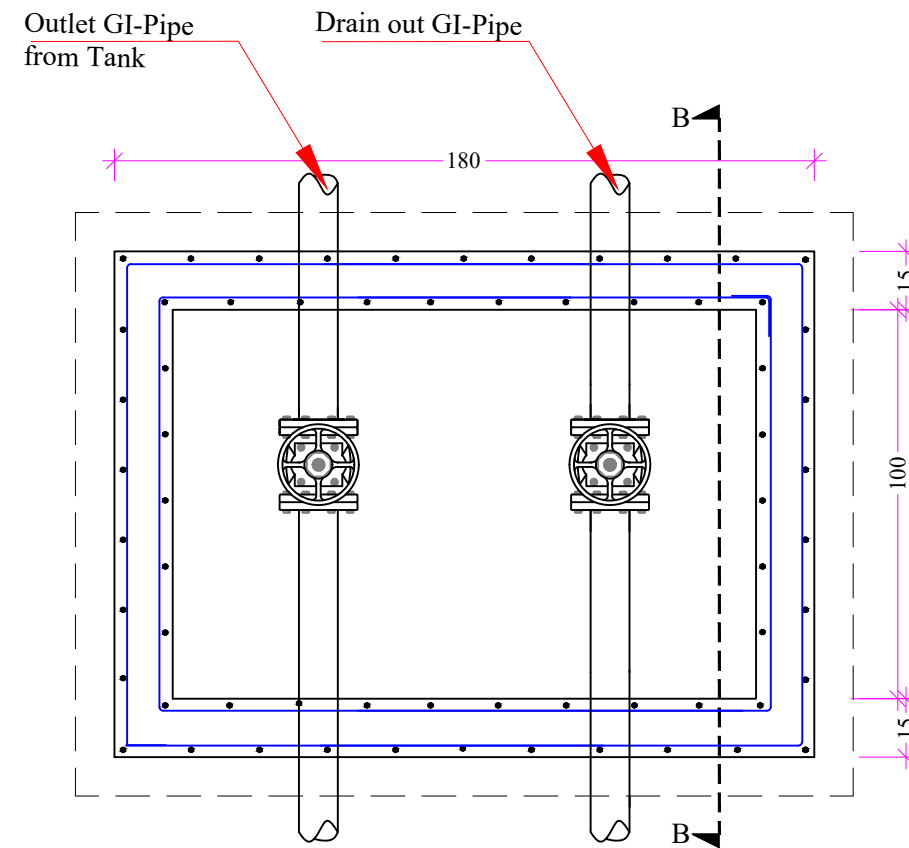
Drafted and Design BY: IMC/WASH Team
Review and Checked by: Eng. Yousuf Mazhar
Review and Approved by: Eng. Mohammad Yasir

Province: Balkh
District: Dawlatabad
Village: Shingolabad

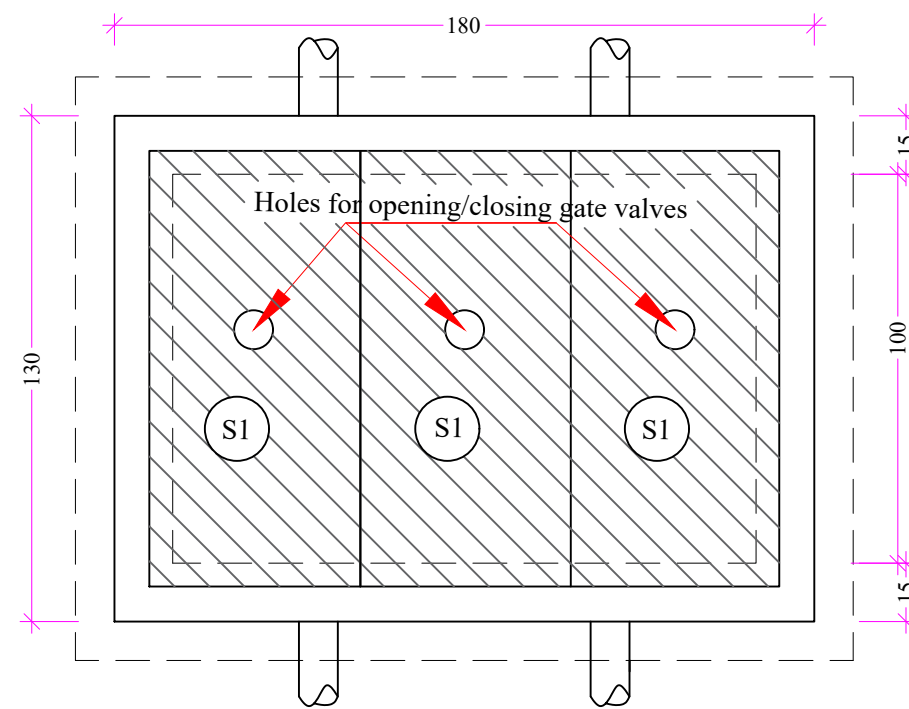
Date: Sep/2022
Scale: A3-Shown
Unit: Centimeters

Drawing Title: Gate Valve
Sheet Title: Renfor. Plan
Sheet #: -----

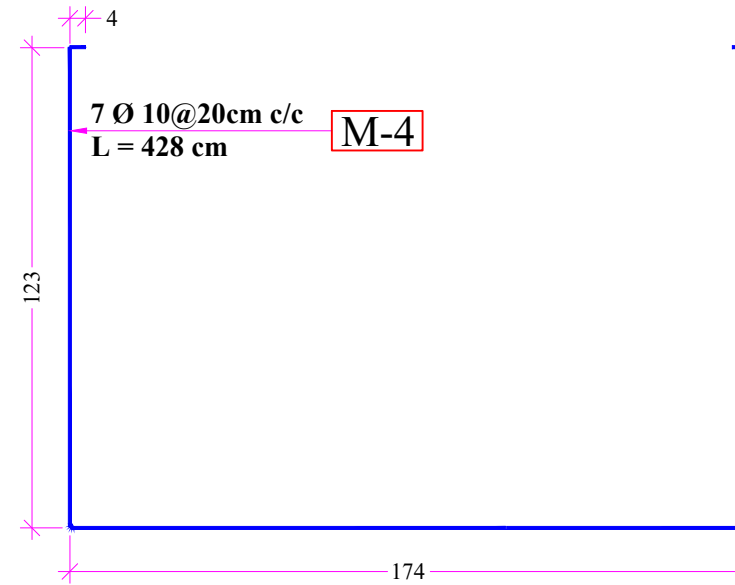




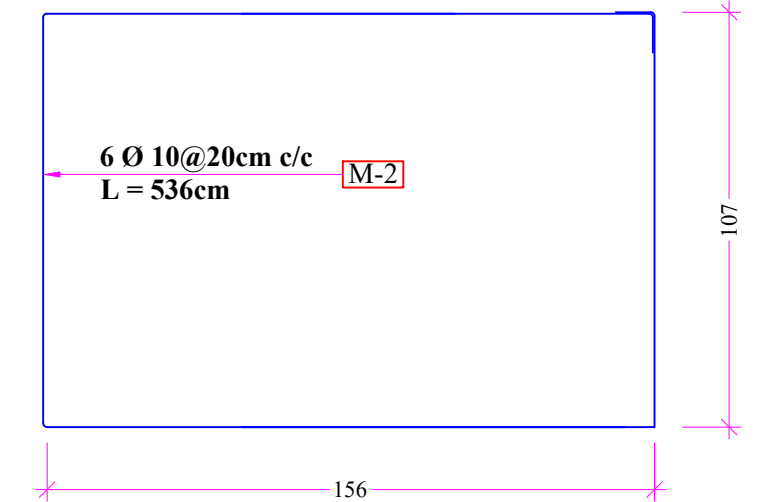
SECTIONAL PLAN OF RCC WALLS



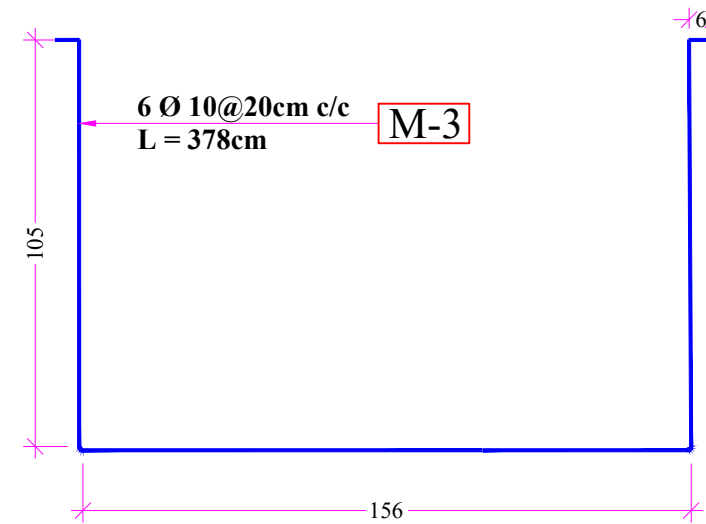
TOP VIEW



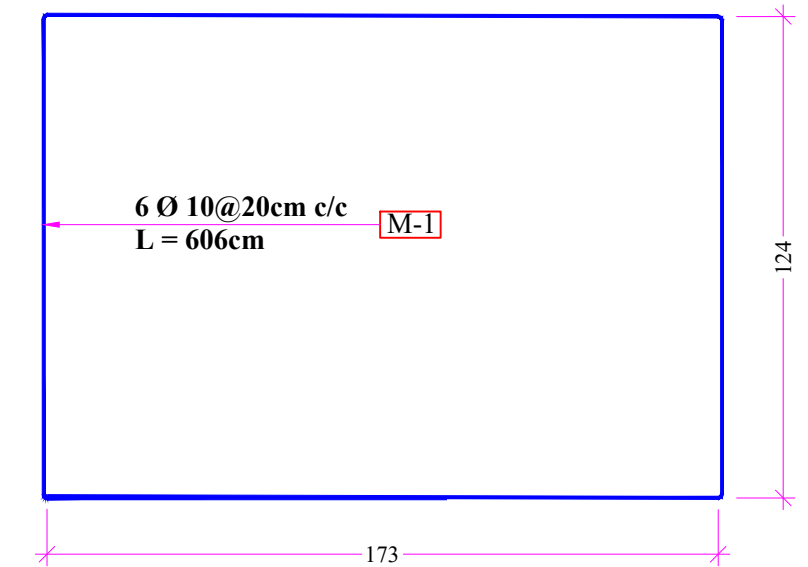
M-4



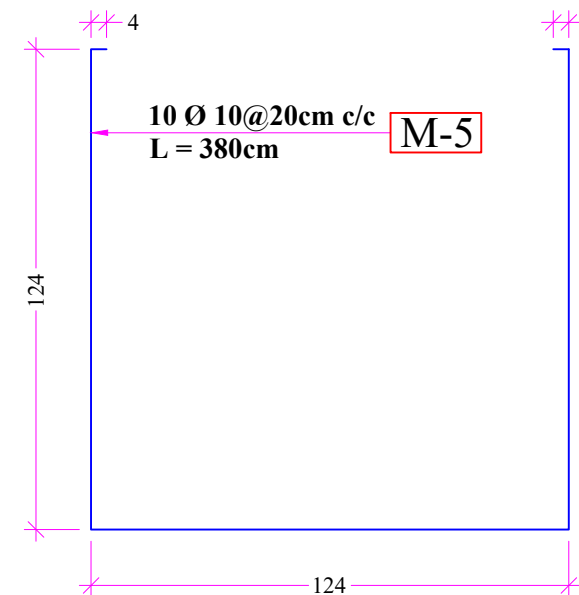
M-2



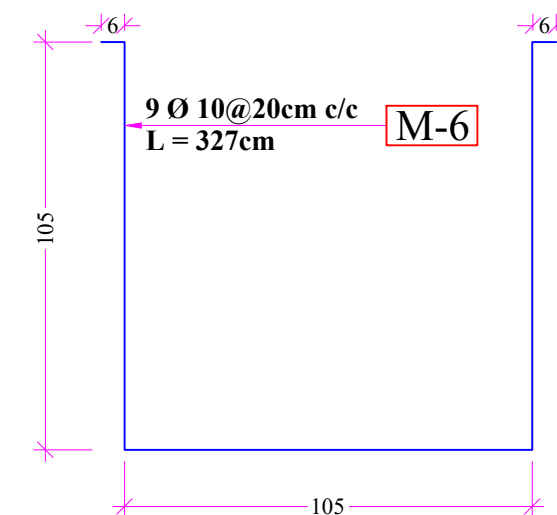
M-3



M-1



M-5



M-6

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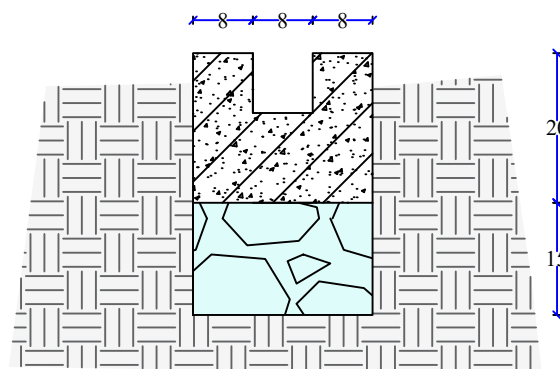
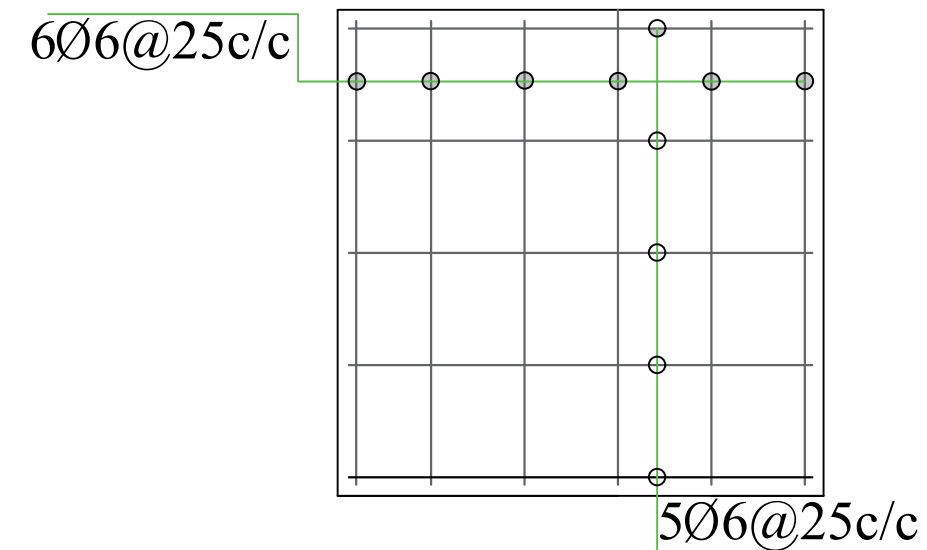
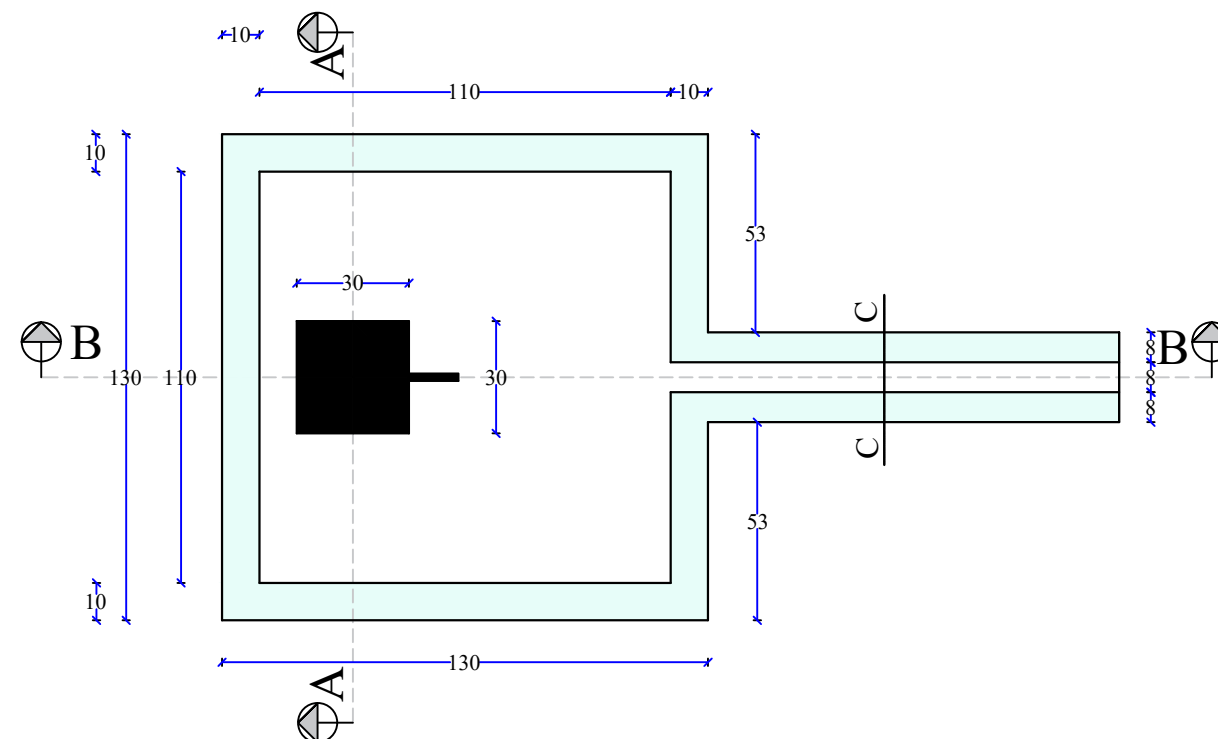
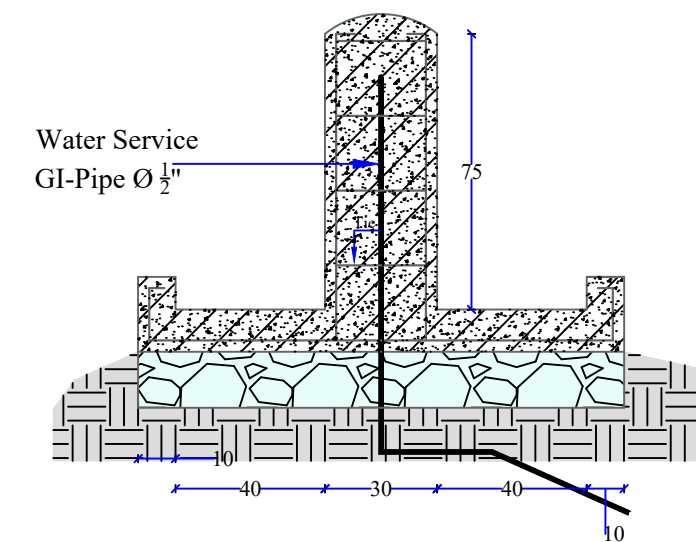
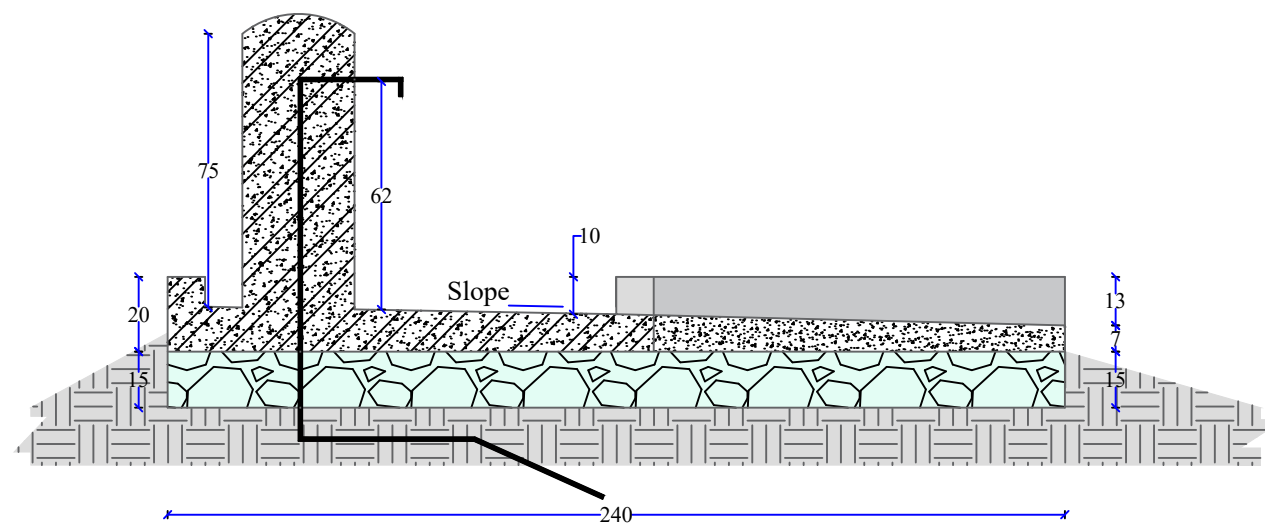
Drafted and Design BY: IMC/WASH Team
Review and Checked by: Eng. Yousuf Mazhar
Review and Approved by: Eng. Mohammad Yasir

Province: Balkh
District: Dawlatabad
Village: Shingolabad

Date: Sep/2022
Scale: A3-Shown
Unit: Centimeters

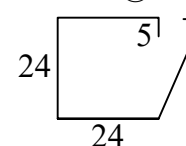
Drawing Title: Gate Valve
Sheet Title: Renfor. Plan
Sheet #: -----





Longitudinal bars
4Ø6

Ties
4Ø6 @20 c/c



Tap Column reinfor...

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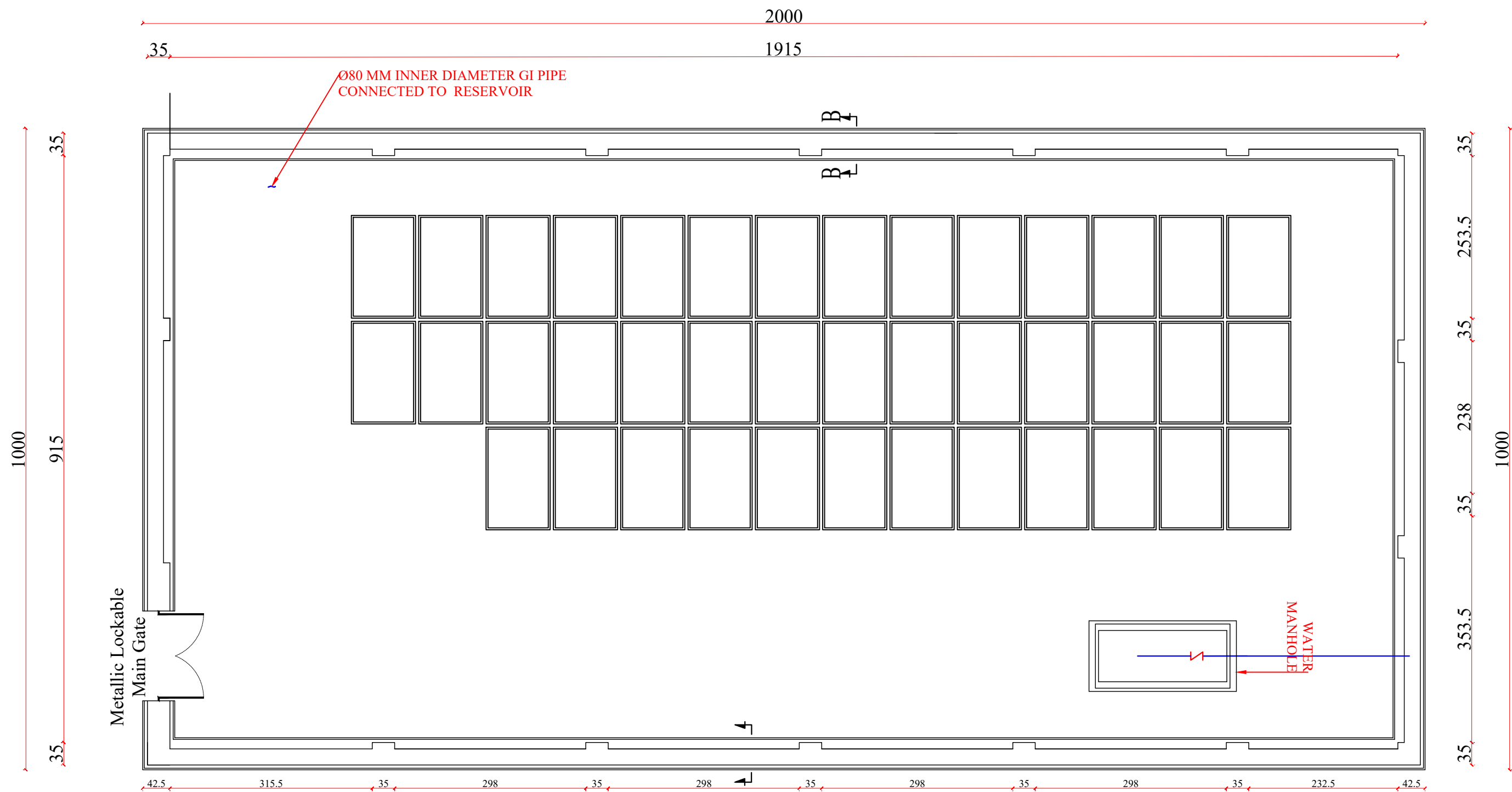
Drafted and Design BY:	IMC/WASH Team
Review and Checked by:	Eng. Yousuf Mazhar
Review and Approved by:	Eng. Mohammad Yasir

Province	Balkh
District	Dawlat abad
Village	Shingla abad

Date	Sep/2022
Scale	A3-As shown
Unit	Centimeters

Drawing Title	STP. Drawing
Sheet Title	Stand post
Sheet #	-----




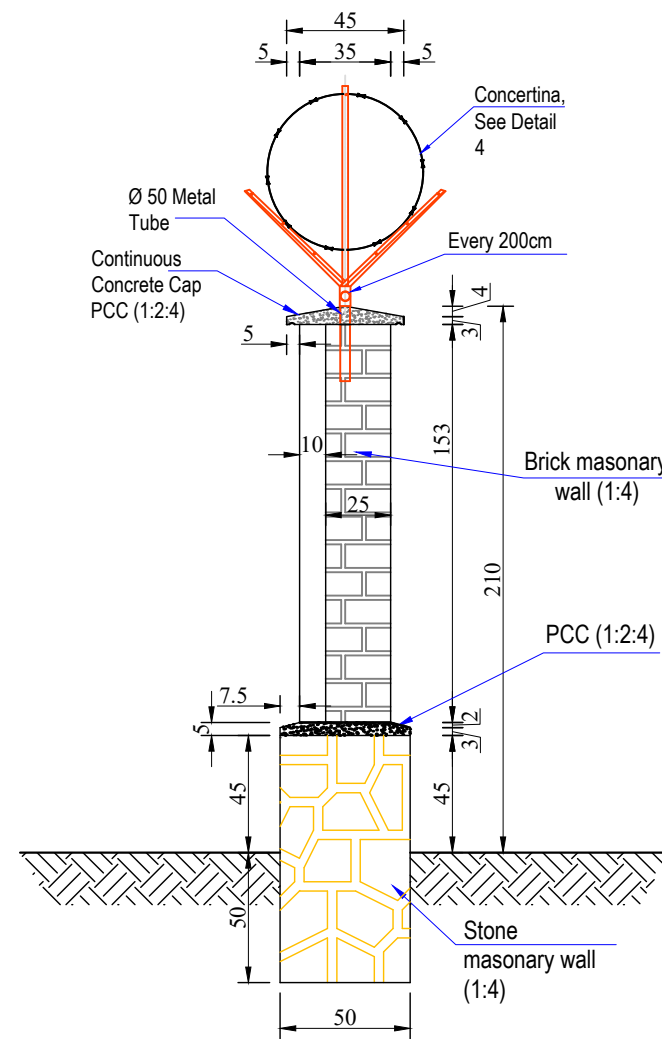


Note:

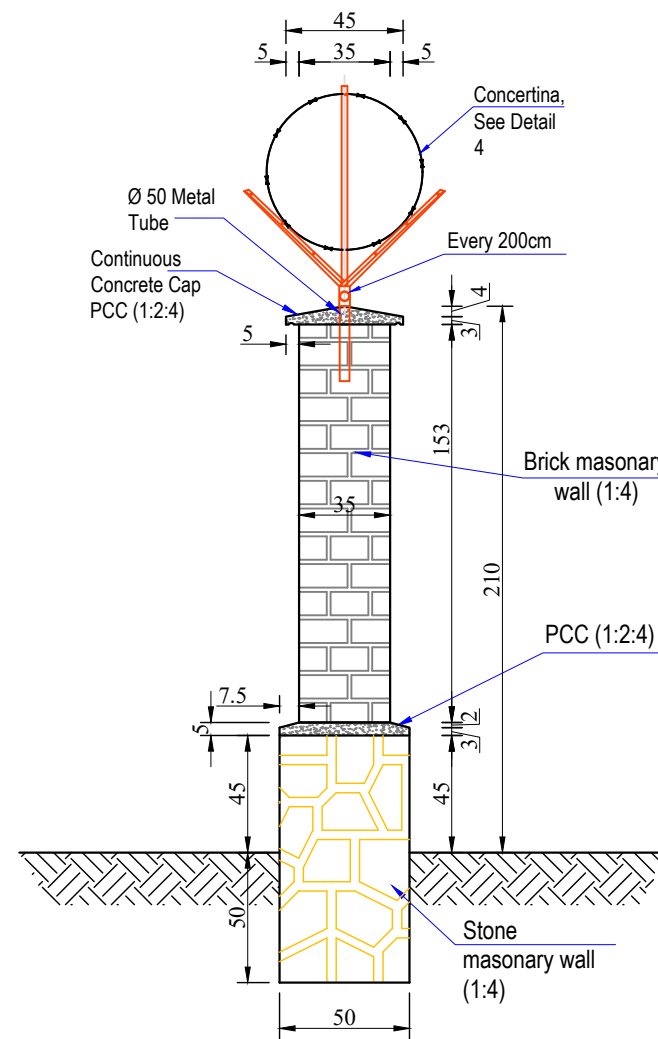
- 1- All dimensions are in cm unless otherwise stated.
- 2- During RCC work vibrator must be used to avoid.
- 3- All PCC works should be with M(1:2:4) mortar unless otherwise stated.
- 4- All RCC works should be with M(1:1.5:3) mortar unless otherwise stated.
- 5- Brick masonry (1:4).
- 6- Curing must be continued upto 28 days.
- 7- Clear and Clean water must be used every where.

Boundary wall

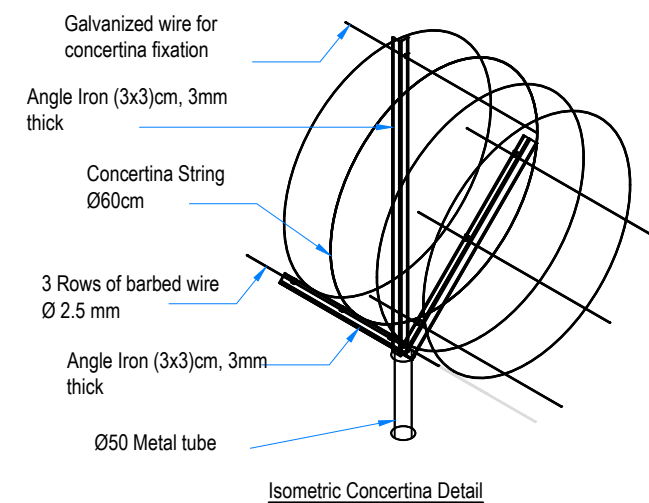
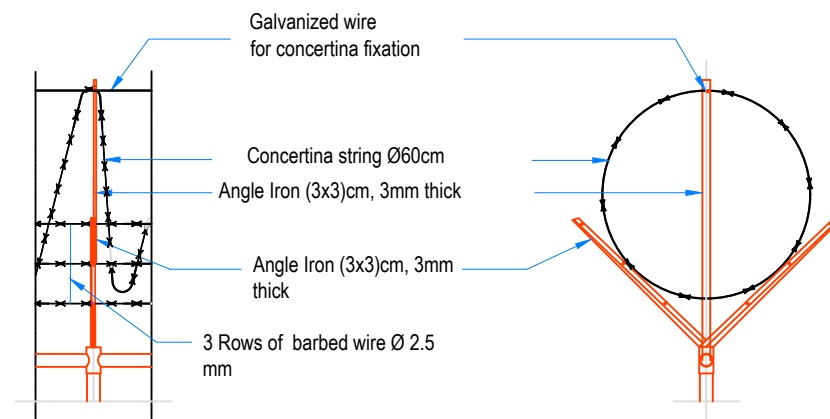
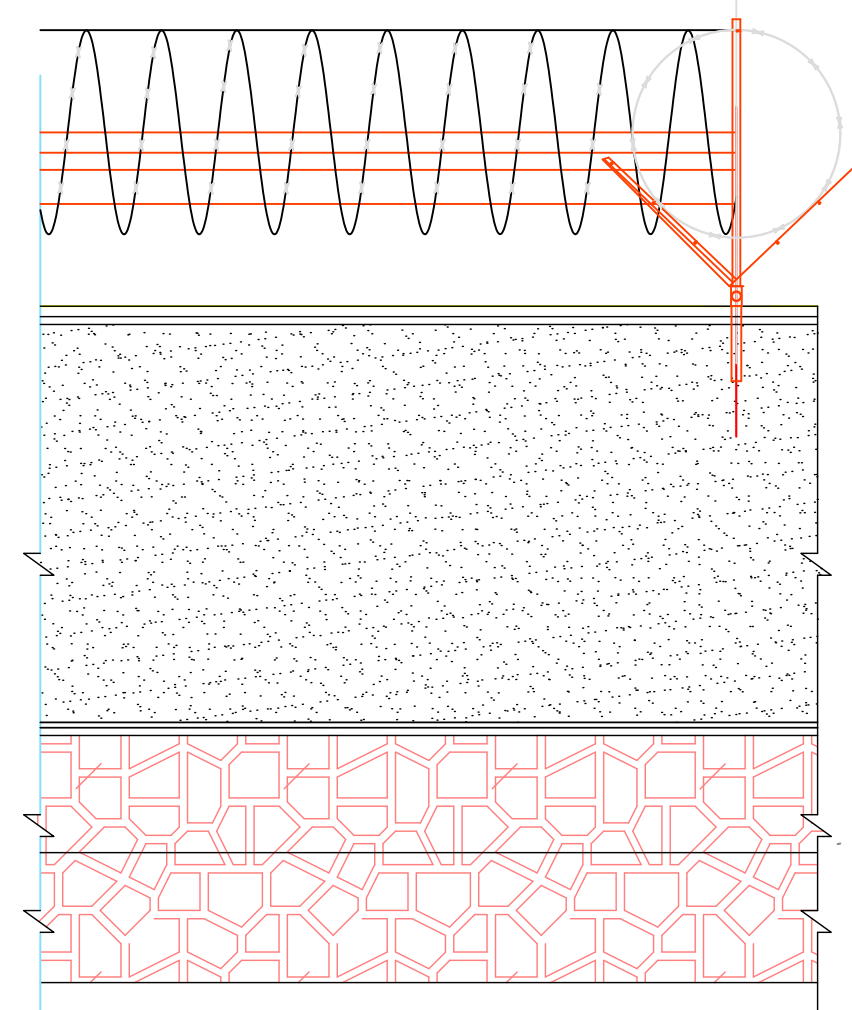
<div>Funded by: USID / BHA</div> <div>INTERNATIONAL MEDICAL CORPS (IMC) PROGRAM DEPARTMENT WASH UNIT</div>	<div>Drafted and Design BY: IMC/WASH Team</div> <div>Review and Checked by: Eng. Yousuf Mazhar</div> <div>Review and Approved by: Eng. Mohammad Yasir</div>	<div>Province Balkh</div> <div>District Dawlat abad</div> <div>Village Shingla abad</div>	<div>Date Sep/2022</div> <div>Scale A3-Shown</div> <div>Unit Centimeters</div>	<div>Drawing Title Boundry Wall</div> <div>Sheet Title Boundry Wall Plan</div> <div>Sheet # -----</div>	
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Section B-B



Section A-A



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PROGRAM DEPARTMENT
WASH UNIT

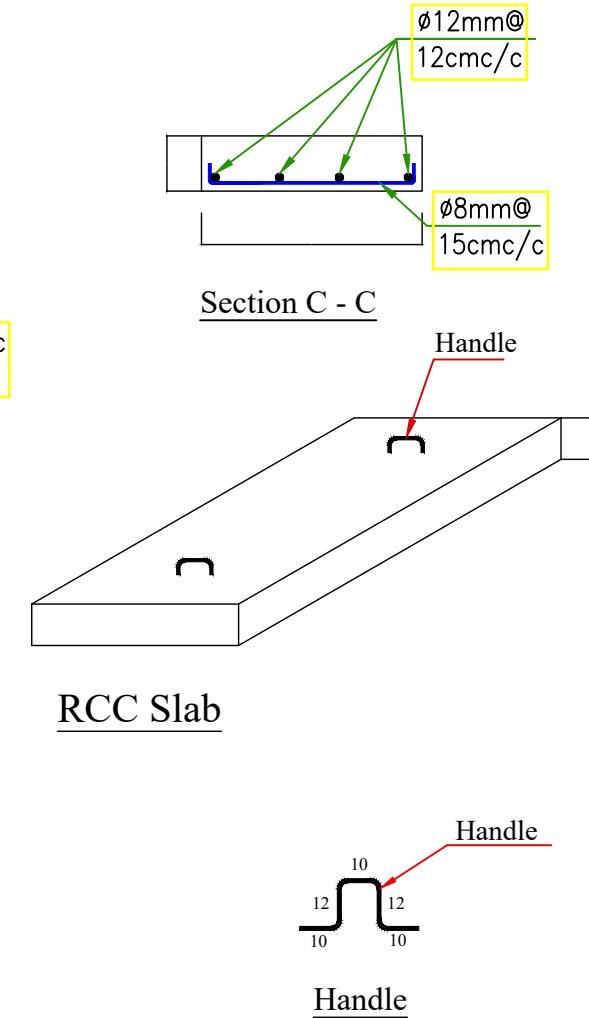
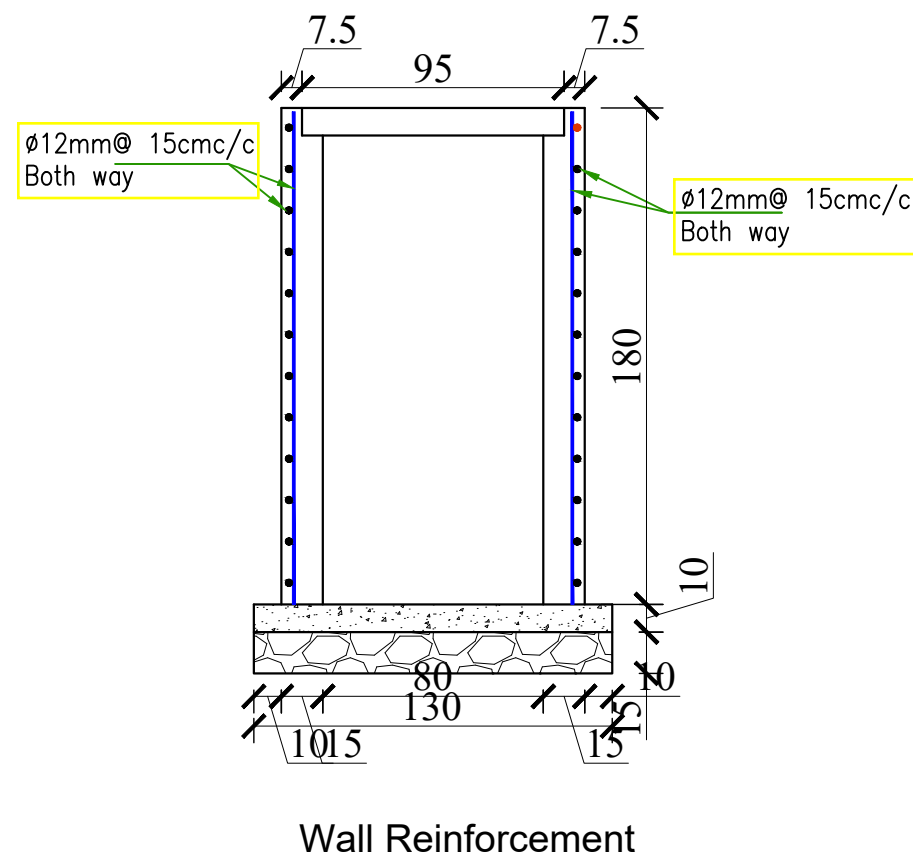
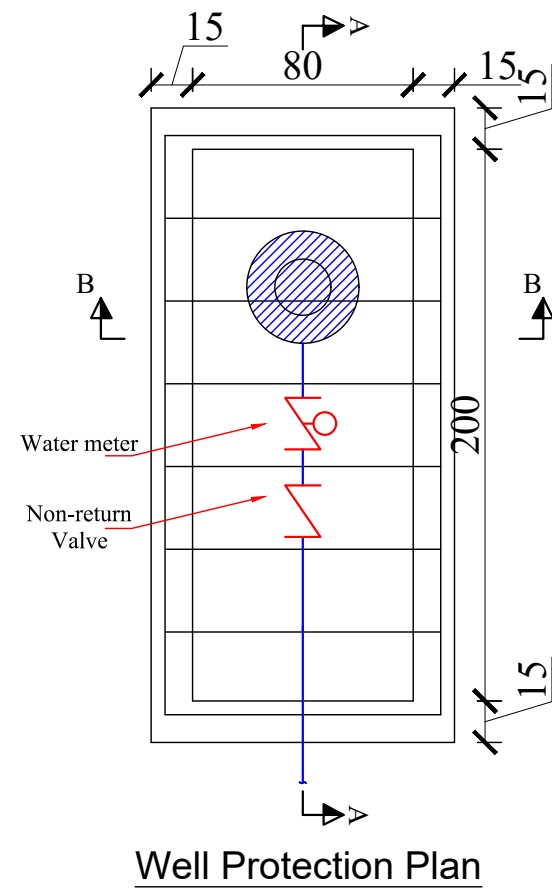
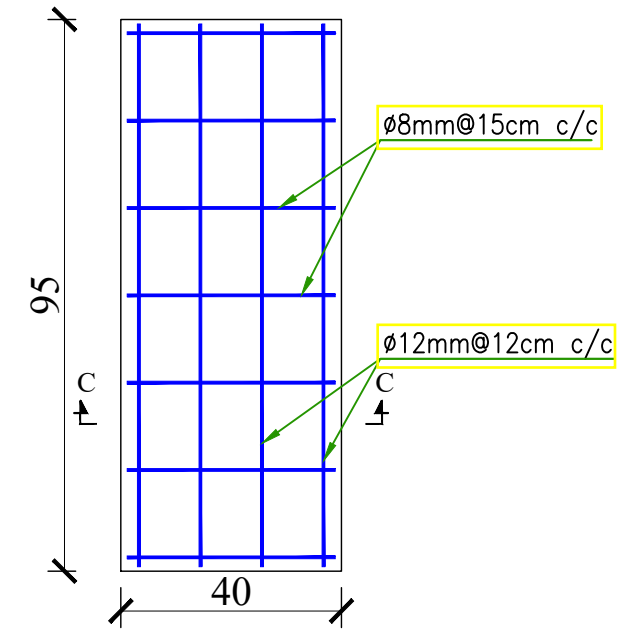
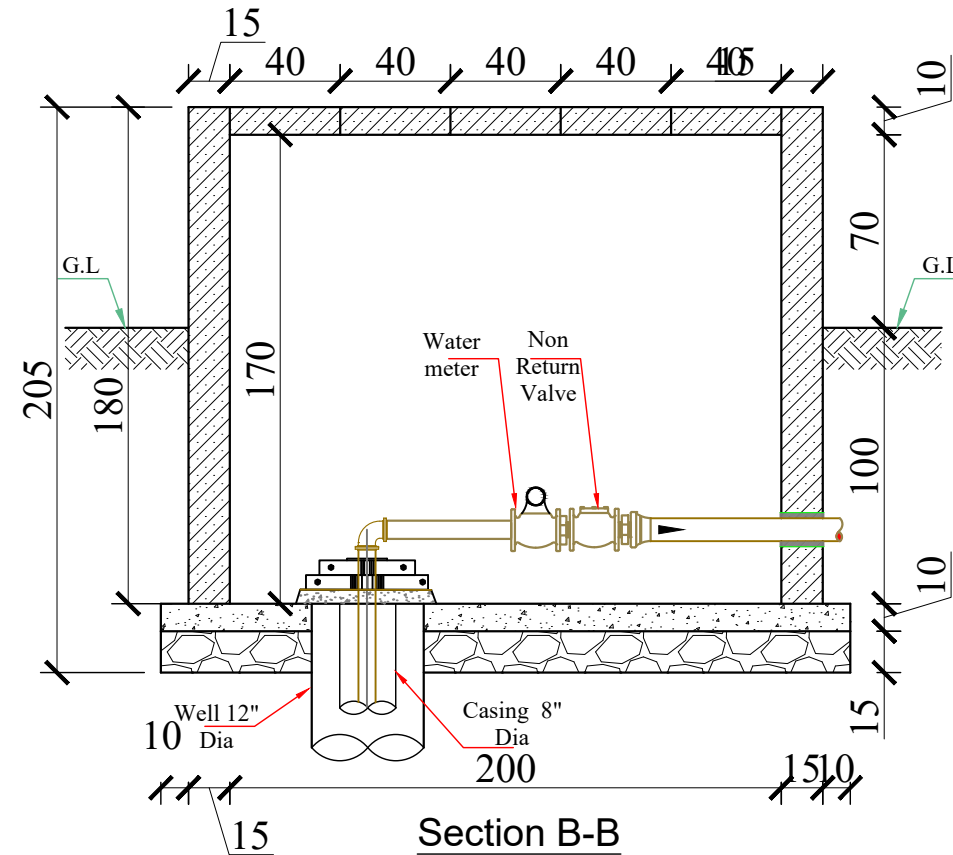
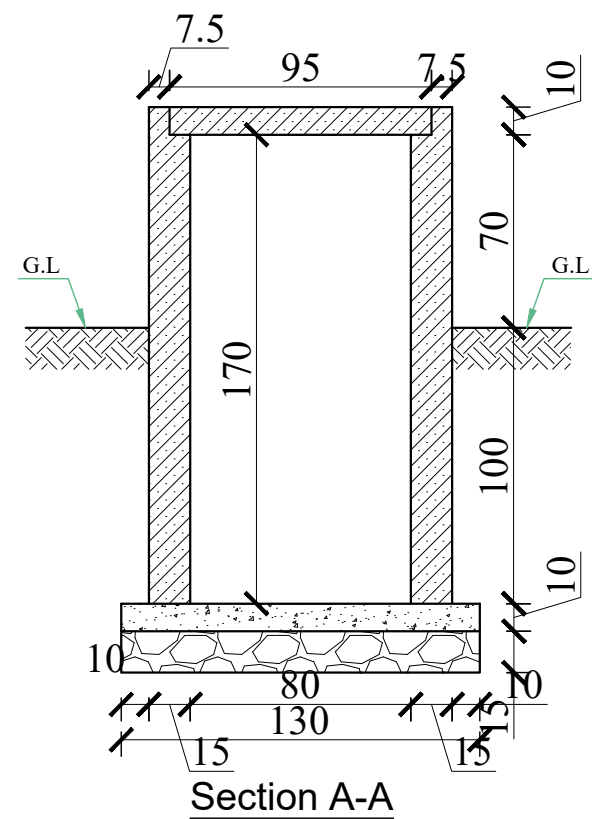
Drafted and Design BY: **IMC/WASH Team**
Review and Checked by: **Eng. Yousuf Mazhar**
Review and Approved by: **Eng. Mohammad Yasir**

Province: **Balkh**
District: **Dawlat abad**
Village: **Shingla abad**

Date: **July/2022**
Scale: **A3-Shown**
Unit: **Centimeters**

Drawing Title: **Boundry Wall**
Sheet Title: **Front View+Section**
Sheet #: **-----**





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PROGRAM DEPARTMENT
WASH UNIT

Drafted and Design BY: IMC/WASH Team

Review and Checked by: Eng. Yousuf Mazhar

Review and Approved by: Eng. Mohammad Yasir

Province: Balkh

District: Dawlatabad

Village: Shingolabad

Date: Sep/2022

Scale: A3-Shown

Unit: Centimeters

Drawing Title: Well Development

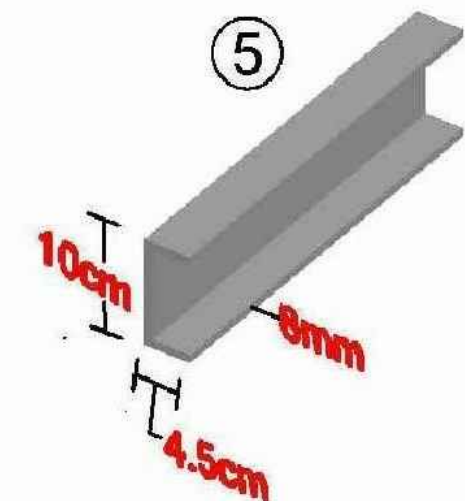
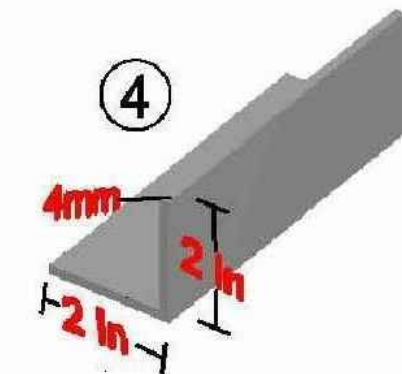
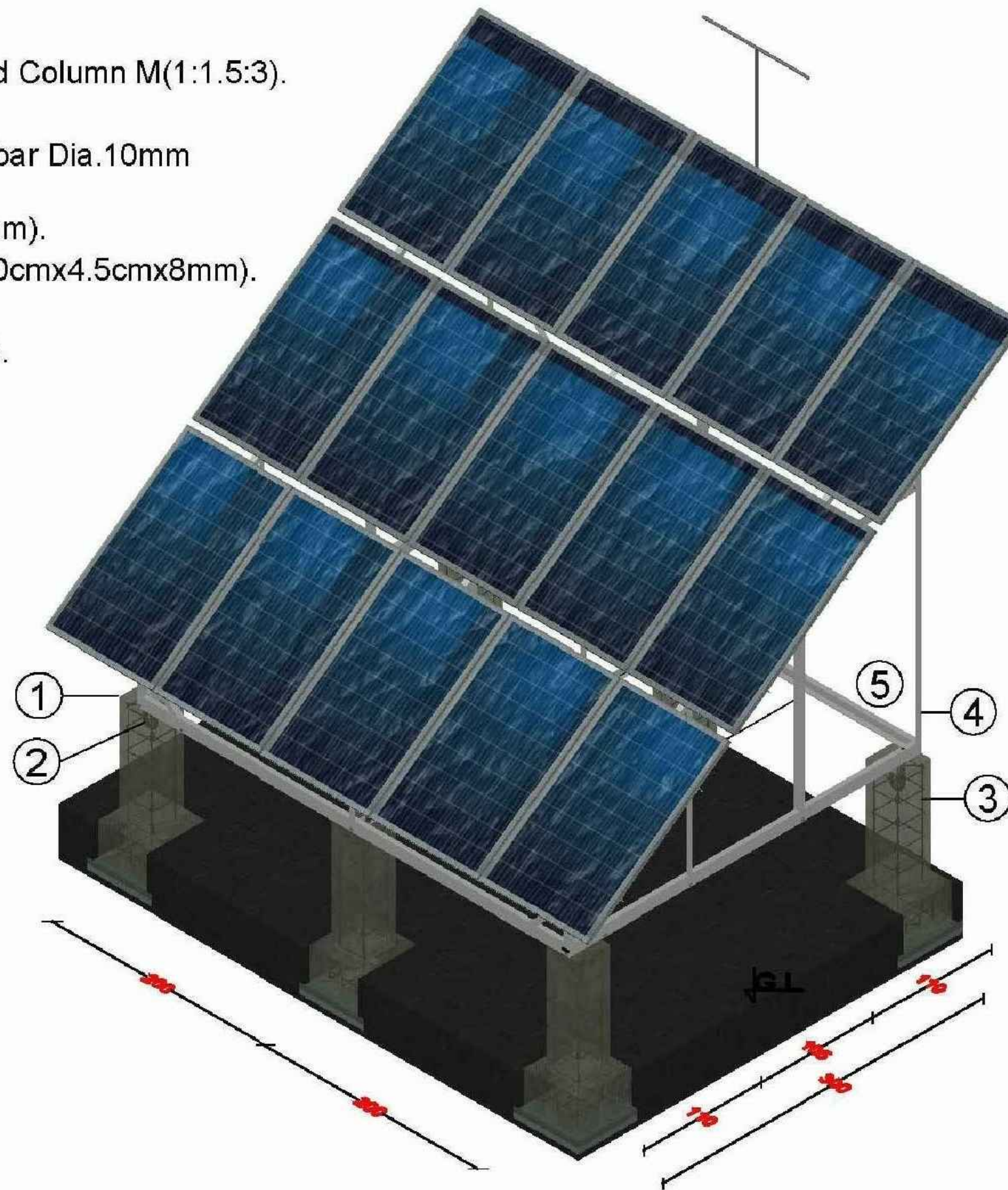
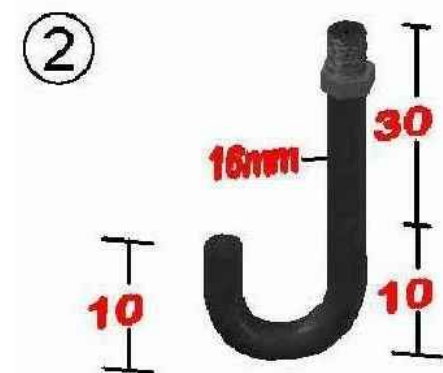
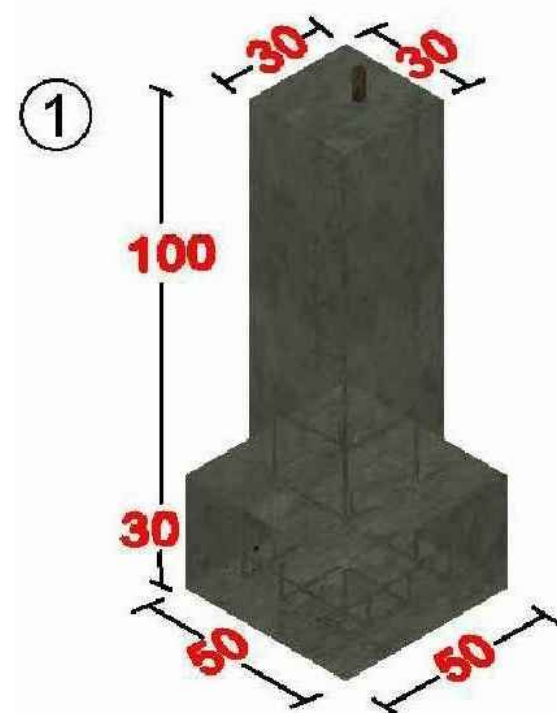
Sheet Title: Sections and details

Sheet #: -----



Note:

- 1-RCC Concrete Footing and Column M(1:1.5:3).
 - 2-J-Anchor Bolt 16mm.
 - 3-Deformed Grade 60 steel bar Dia.10mm according to drawing.
 - 4-Steel angle iron (2"x2"x4mm).
 - 5-Steel girder mini. sizing (10cmx4.5cmx8mm).
- PCC M(1:2:4).
Foundation Compacted 95%.
Potable water used.



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WASH UNIT

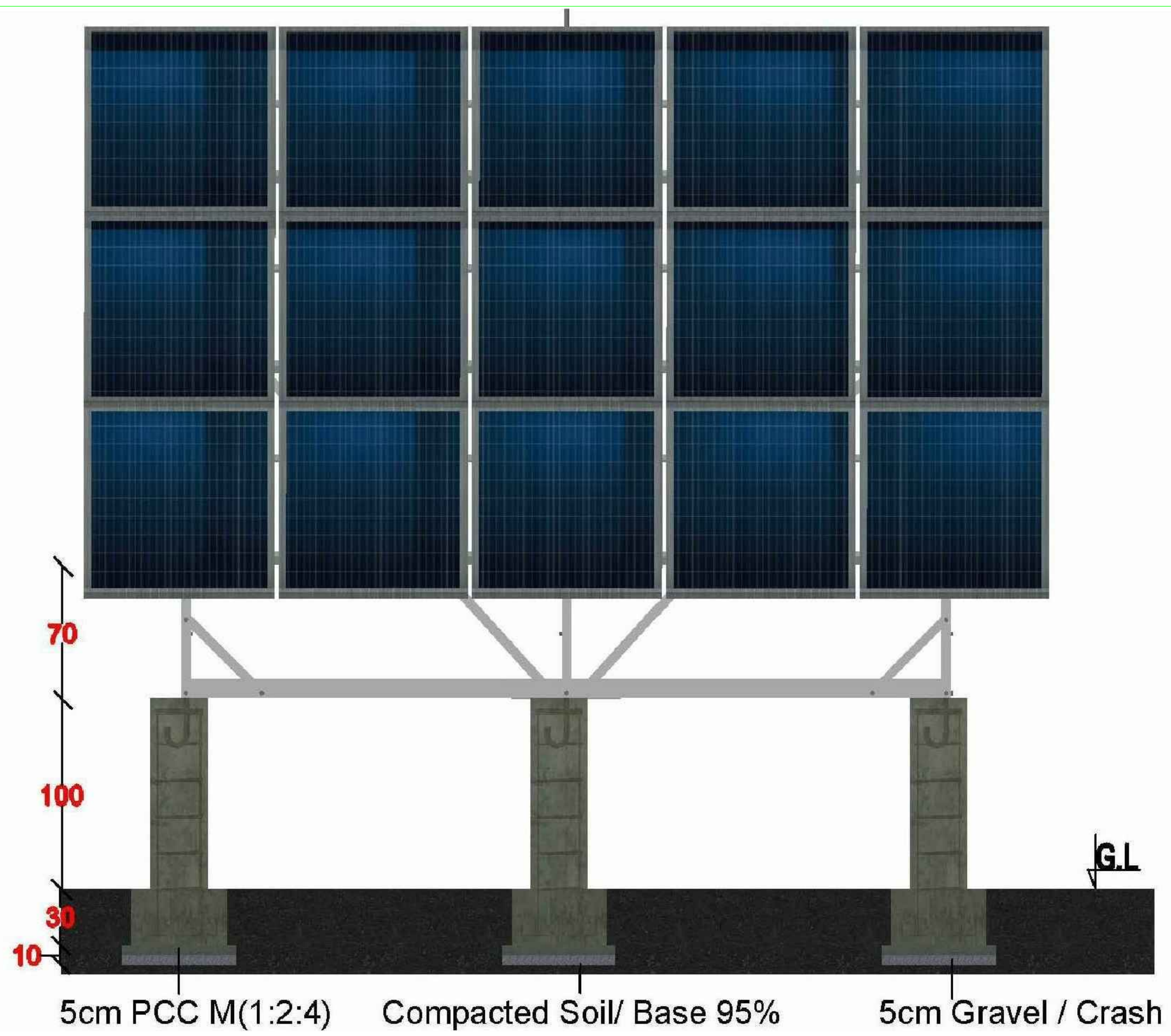
Drafted and Design BY: IMC/WASH Team
Review and Checked by: Eng. Yousuf Mazhar
Review and Approved by: Eng. Mohammad Yasir

Province: Balkh
District: Dawlatabad
Village: Shingolabad

Date: Sep/2022
Scale: A3-Shown
Unit: Centimeters

Drawing Title: Solar Frame
Sheet Title: Frame 3 D
Sheet #: -----





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INTERNATIONAL MEDICAL CORPS (IMC) PROGRAM DEPARTMENT WASH UNIT	

Drafted and Design BY:	IMC/WASH Team
Review and Checked by:	Eng. Yousuf Mazhar
Review and Approved by:	Eng. Mohammad Yasir

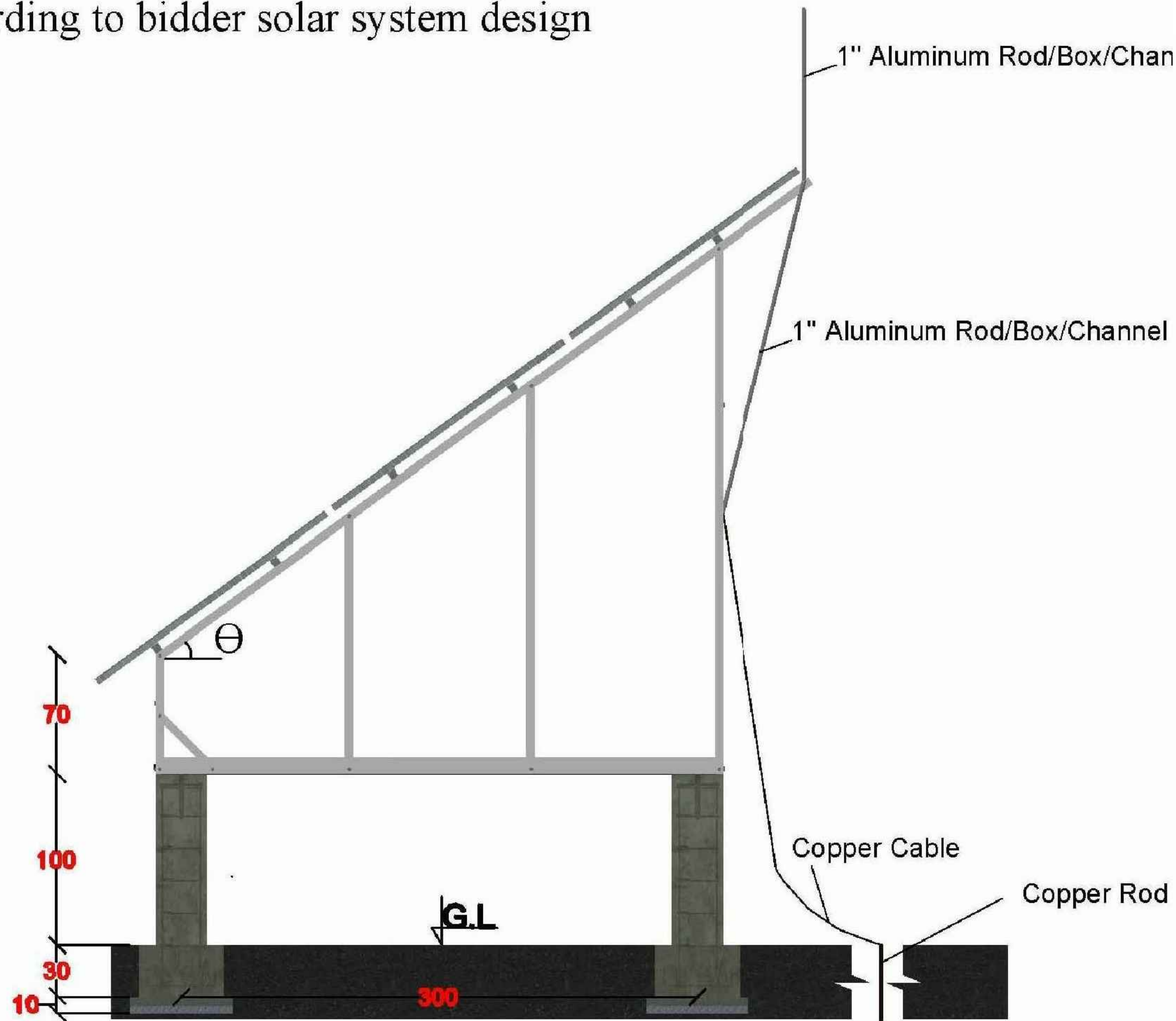
Province	Balkh
District	Dawlatabad
Village	Shingolabad

Date	Sep/2022
Scale	A3-Shown
Unit	Centimeters

Drawing Title	Solar Frame
Sheet Title	Fron View
Sheet #	-----



Angle Θ = According to bidder solar system design



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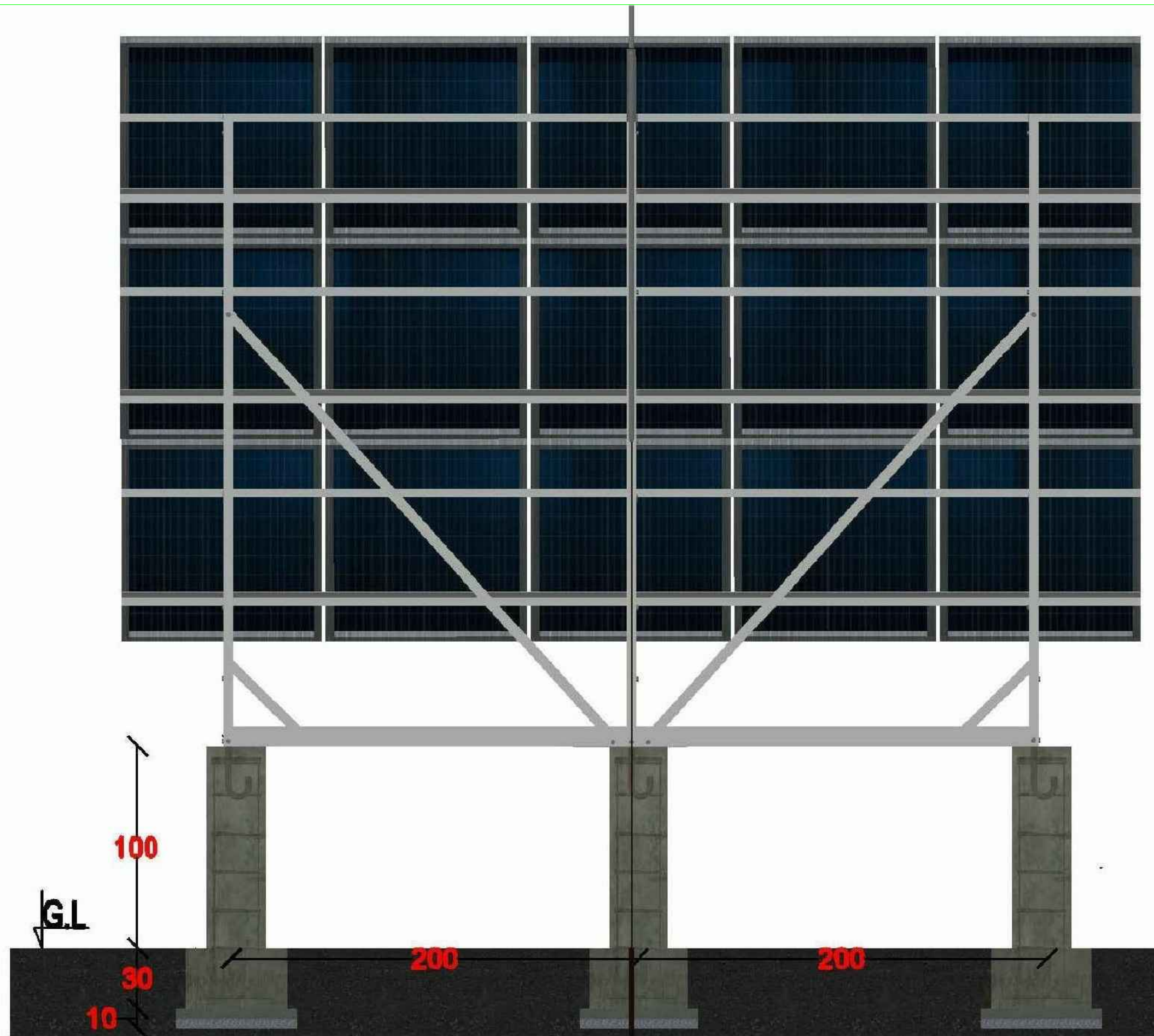
Drafted and Design BY:	IMC/WASH Team
Review and Checked by:	Eng. Yousuf Mazhar
Review and Approved by:	Eng. Mohammad Yasir

Province	Balkh
District	Dawlatabad
Village	Shingolabad

Date	Sep/2022
Scale	A3-Shown
Unit	Centimeters

Drawing Title	Solar Frame
Sheet Title	Side View
Sheet #	-----





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Drafted and Design BY:	IMC/WASH Team
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Province	Balkh
District	Dawlatabad
Village	Shingolabad

Date	Sep/2022
Scale	A3-Shown
Unit	Centimeters

Drawing Title	Solar Frame
Sheet Title	Back View
Sheet #	-----

