

# Afghan Women's Educational Center (AWEC)

## DAWAM / WASH Project

Rehabilitation and construction of 8 Nos Health Care Centers' WASH Hard Components in Nangarhar Province (Ghanikhail, Nazian and Hesarak) Districts

Construction Drawings

Date: December 2024

## Afghan Women's Educational Center (AWEC)

### DAWAM / WASH Project

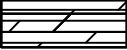













No	Health Care Centers	Districts	Villages
1	Ghanikhail DH	Shinwari/Ghanikhail	29 Viala
2	Ghanikhail SHC	Shinwari/Ghanikhail	Shergar
3	Katily SHC	Shinwari/Ghanikhail	Katily
4	Nazian CHC	Nazian	Zhy Sar
5	Dwa Kholi Nazian BHC	Nazian	Dwa Kholi Nazian
6	Ragha DH	Hesarak	Ragha
7	Naserkhail SHC	Hesarak	Naserkhail
8	Doab SHC	Hesarak	Doab

**Date: December 2024**

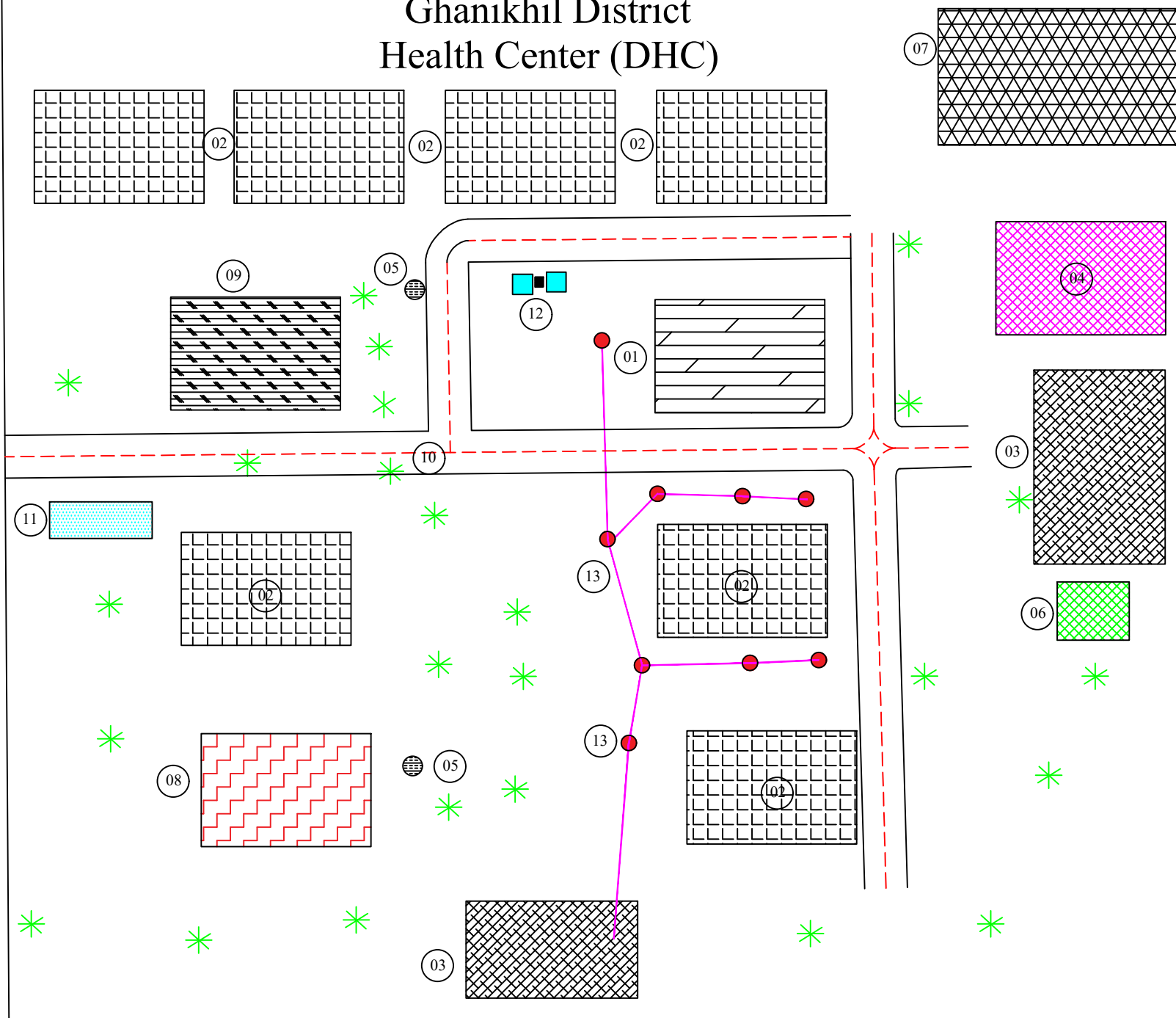



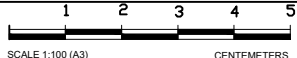
# Site Plan

## Legends

- 01  Waiting room
- 02  Wards
- 03  Septic
- 04  Latrin
- 05  Existing Well
- 06  Filter
- 07  incinerator,Pits &Placenta
- 08  Homes
- 09  Offices
- 10  sub road
- 11  Hand Washing
- 12  Reservoir
- 13  Septic Manhole
- 14  Valve Box

## Ghanikhil District Health Center (DHC)



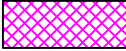

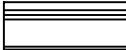







SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr Ahmad Mukhtar Baraki	VILLAGE	GHANIKHIL- DH	DATE	MARCH-2024		

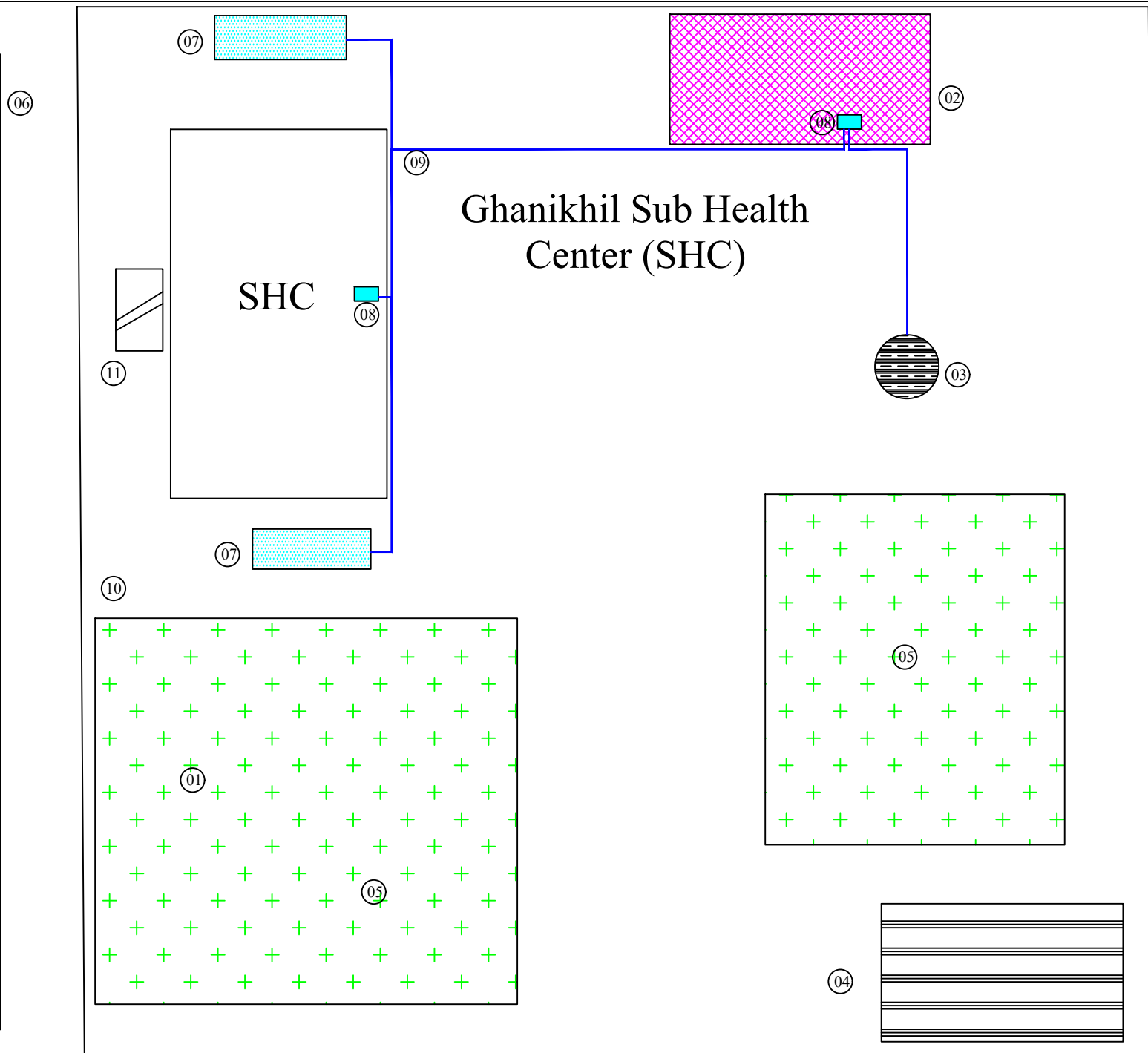
# Site Plan

Survey Note:

1-the SHC has Bore well and bathroos.

2- the location of septic tank will change to the new septic tank.

- |    |   |                              |
|----|---|------------------------------|
| 02 |    | Latrine                      |
| 03 |    | Existing Well                |
| 04 |    | incinerator, Pits & Placenta |
| 05 |    | Green Area                   |
| 06 |  | sub road                     |
| 07 |  | Hand Washing                 |
| 08 |  | Water Reservoir              |
| 09 |  | PE pipe 32mm                 |
| 10 |  | Septic Pipe                  |
| 11 |  | Existing Septic              |



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01	  SCALE 1:100 (A3) CENTIMETERS	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	Ghani khail SHC -SHERGAR	DATE	MARCH-2024		



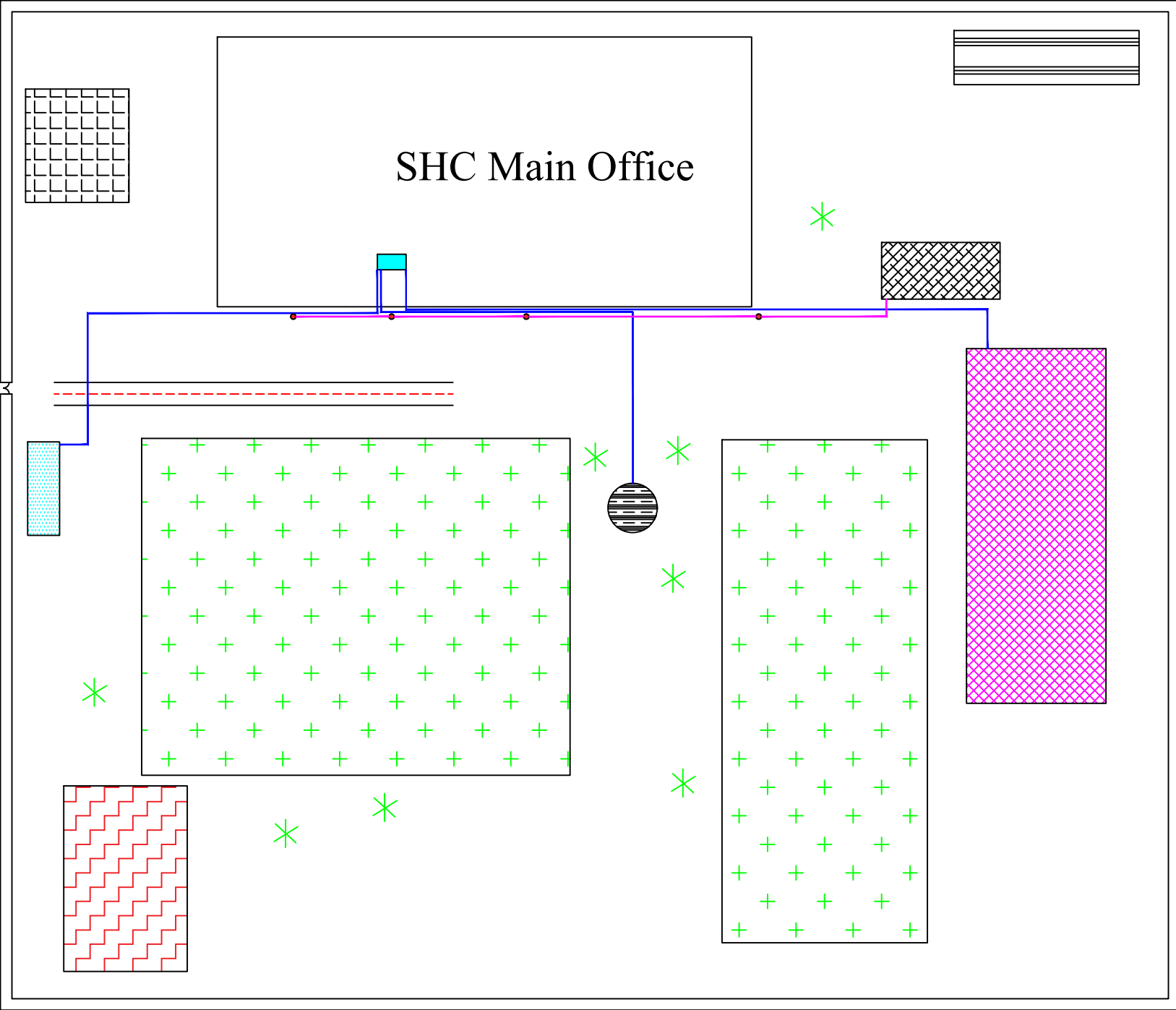


# Site Plan

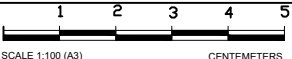
## Survey Note

- 1- the location of component should be located in the site and health condition
- 2-the latrine need to repairing
- 3- well is dug well and its doesn't has enough water for healthcare center and need to development.

- |    |  |                               |
|----|--|-------------------------------|
| 01 |  | Guard Room                    |
| 02 |  | New Septic                    |
| 03 |  | Latrin                        |
| 04 |  | Existing Well                 |
| 05 |  | incinerator,Pits<br>&Placenta |
| 06 |  | Store                         |
| 07 |  | Green Area                    |
| 08 |  | sub road                      |
| 09 |  | Hand Washing                  |
| 10 |  | Hand Washing                  |
| 11 |  | PE pipe 32mm                  |
| 12 |  | Septic Manhole                |



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01	<div><div><div>www.samiullah.com</div><div>AWECO</div><div>Creating Your Future, Growing Your Success</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div><div><div>SCALE 1:100 (A3)</div><div>CENTIMETERS</div></div><div><div>دوام</div><div>DAWAM</div></div></div>	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar baraki	VILLAGE	KATILAY- SHC	DATE	MARCH-2024		





# Site Plan

Survey Note  
1- in the mention healthcare center there are one RCC reservoir above the the building which need to reparation.  
2-the Ash pit, sharp pit, Placenta and Incinerator are not in good situation and need to be build as new construction.

- 01

Pharmacy
- 02

Green area
- 03

Septic
- 04

Latrin
- 05

Existing Well
- 06

incinerator,Pits &Placenta
- 07

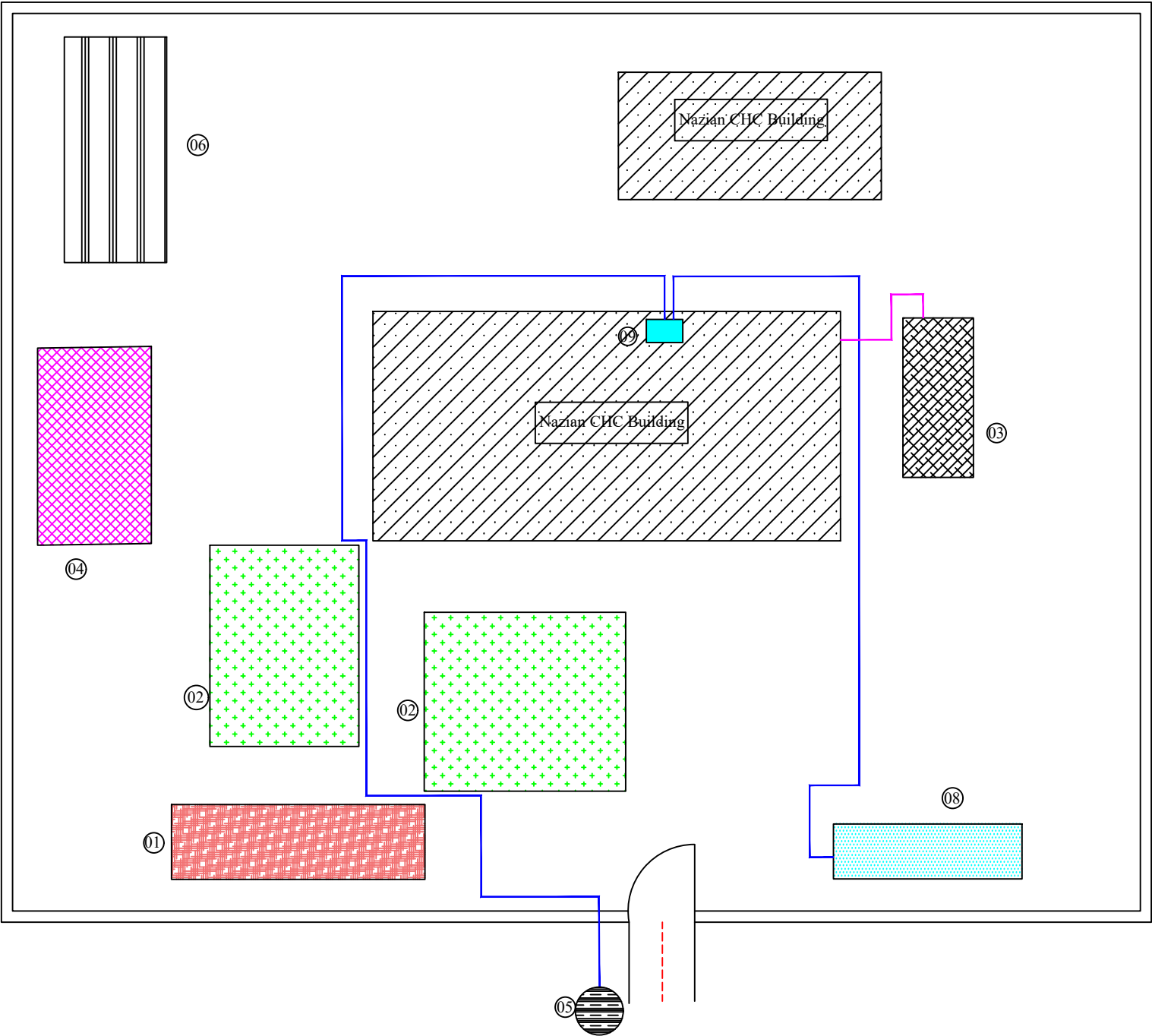
sub road
- 08

Hand Washing
- 09

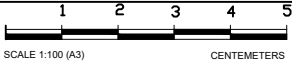
Water Reservior
- 10

PE pipe 32mm
- 11

Septic Pipe



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZIAN	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	ZHay Sar - Nazian CHC	DATE	MARCH-2024		





# Site Plan

## Survey Note

1-the BHC doesn't has the well or other safe and clean water source, they are using stream open surface water for their all needs. in other hand in the area there are no any well drilled or dug so the well doesn't has the historical data.well dug near the stream or will select as per hydrologist instruction.

- 01

Guard room
- 02

Septic
- 03

Latrin
- 04

incinerator,Pits &Placenta
- 05

sub road
- 06

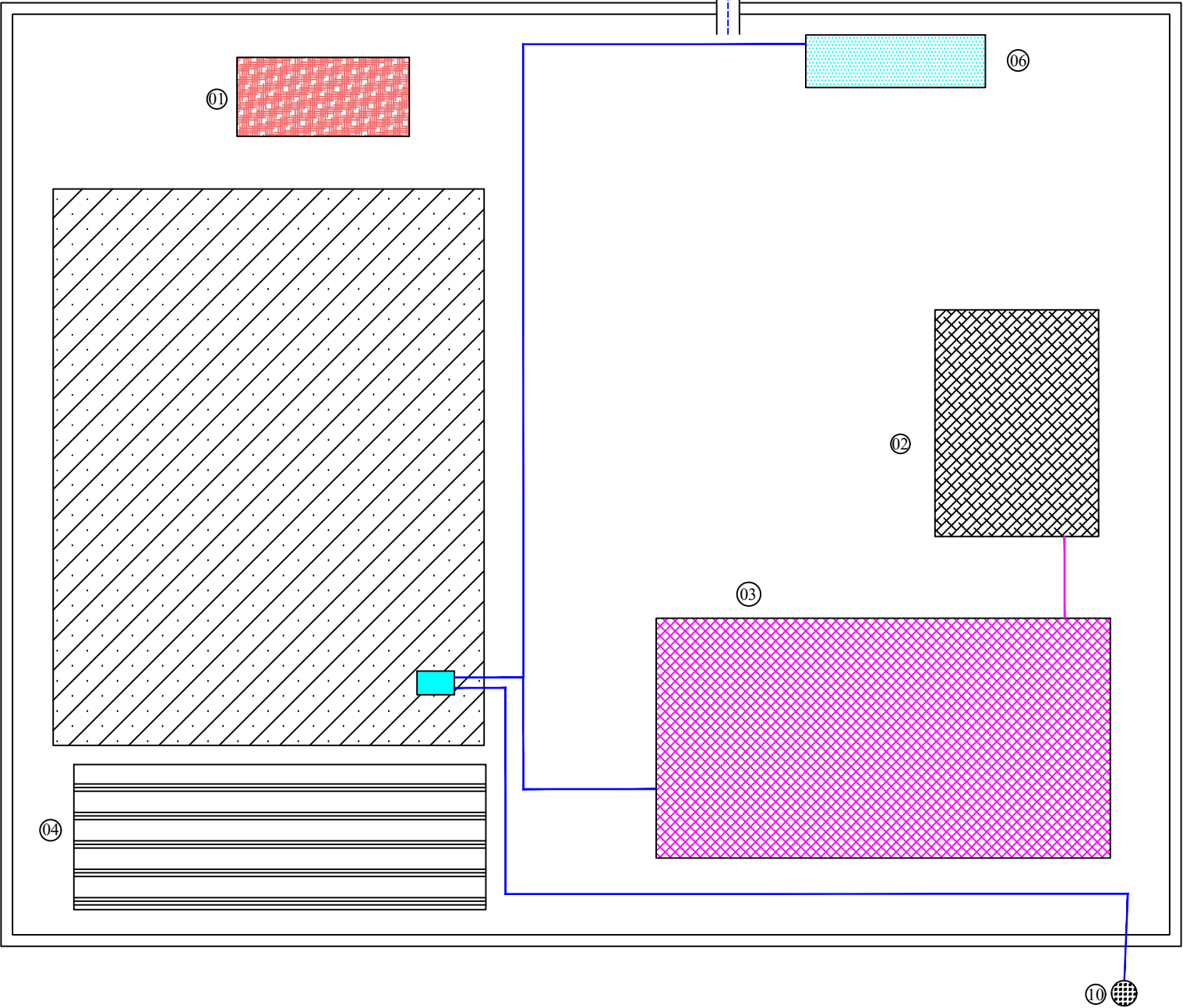
Hand Washing
- 07

Water Reservior
- 08

PE pipe 32mm
- 09

Septic Pipe
- 10

Well

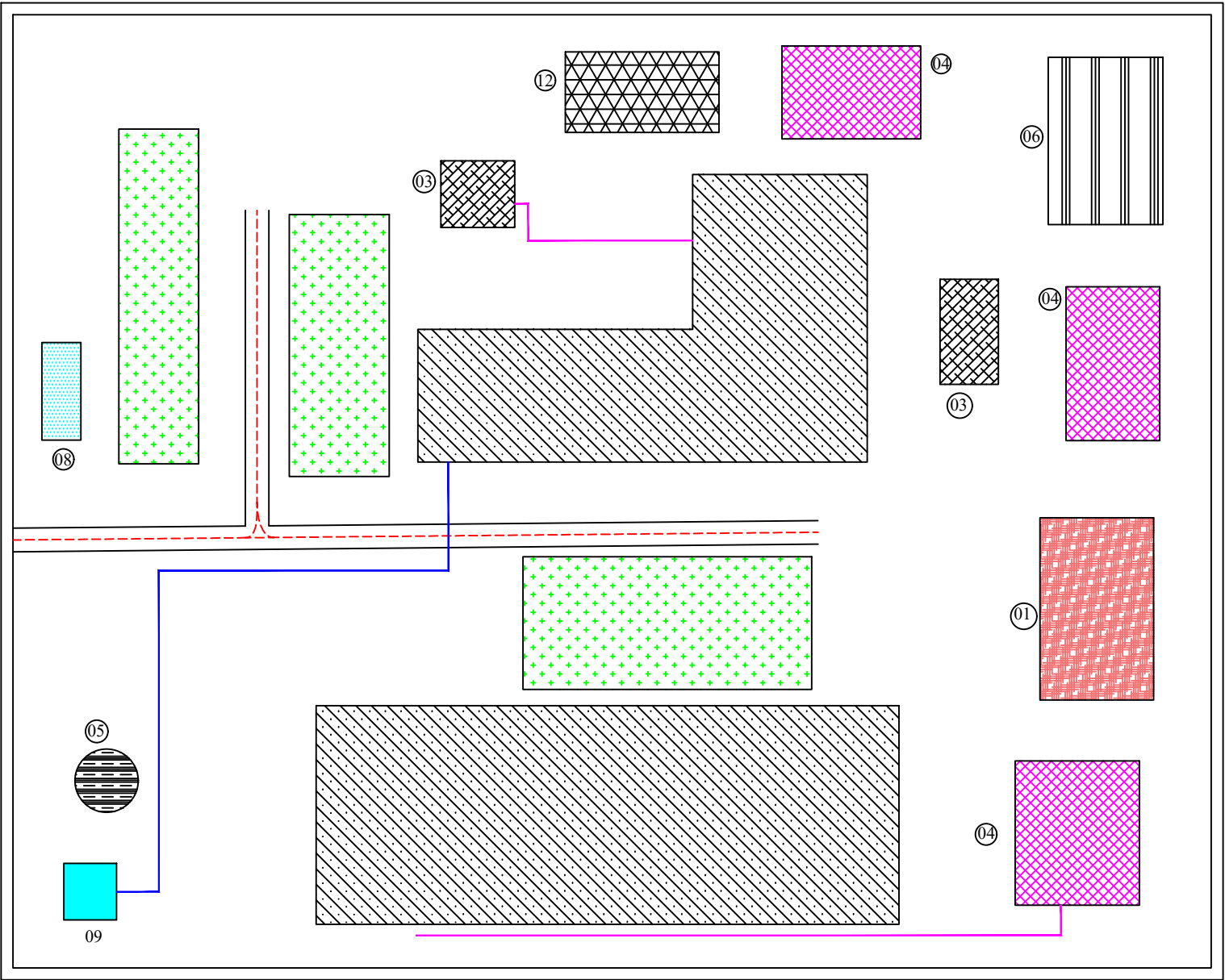
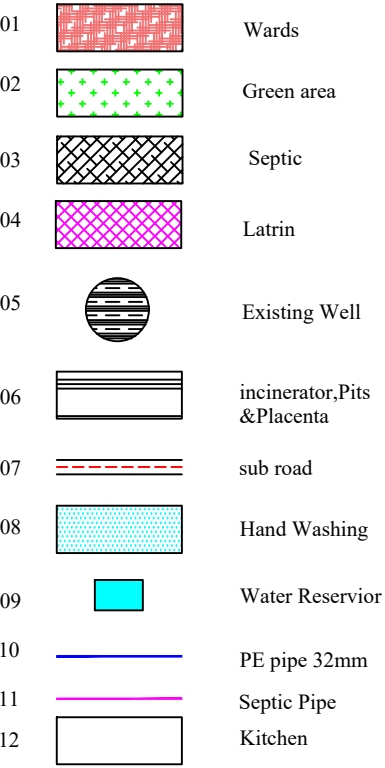


SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM - WASH
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZYAN	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	Dwa kholi Nazian - BHC	DATE	MARCH-2024		

# Site Plan

## Survey Note

1- DH has all component including well, water reservoir, toilets, septic tank, incinerator, Ash, Sharp and placenta pit and hand wash facilities.  
2-the DH need little bit preparation see the BoQ



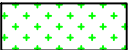



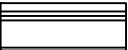





SURVEYED BY	ENG.SAMIULLAH & KARIMUL HAQ	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01	  	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	RAGHA- DH	DATE	MARCH-2024		

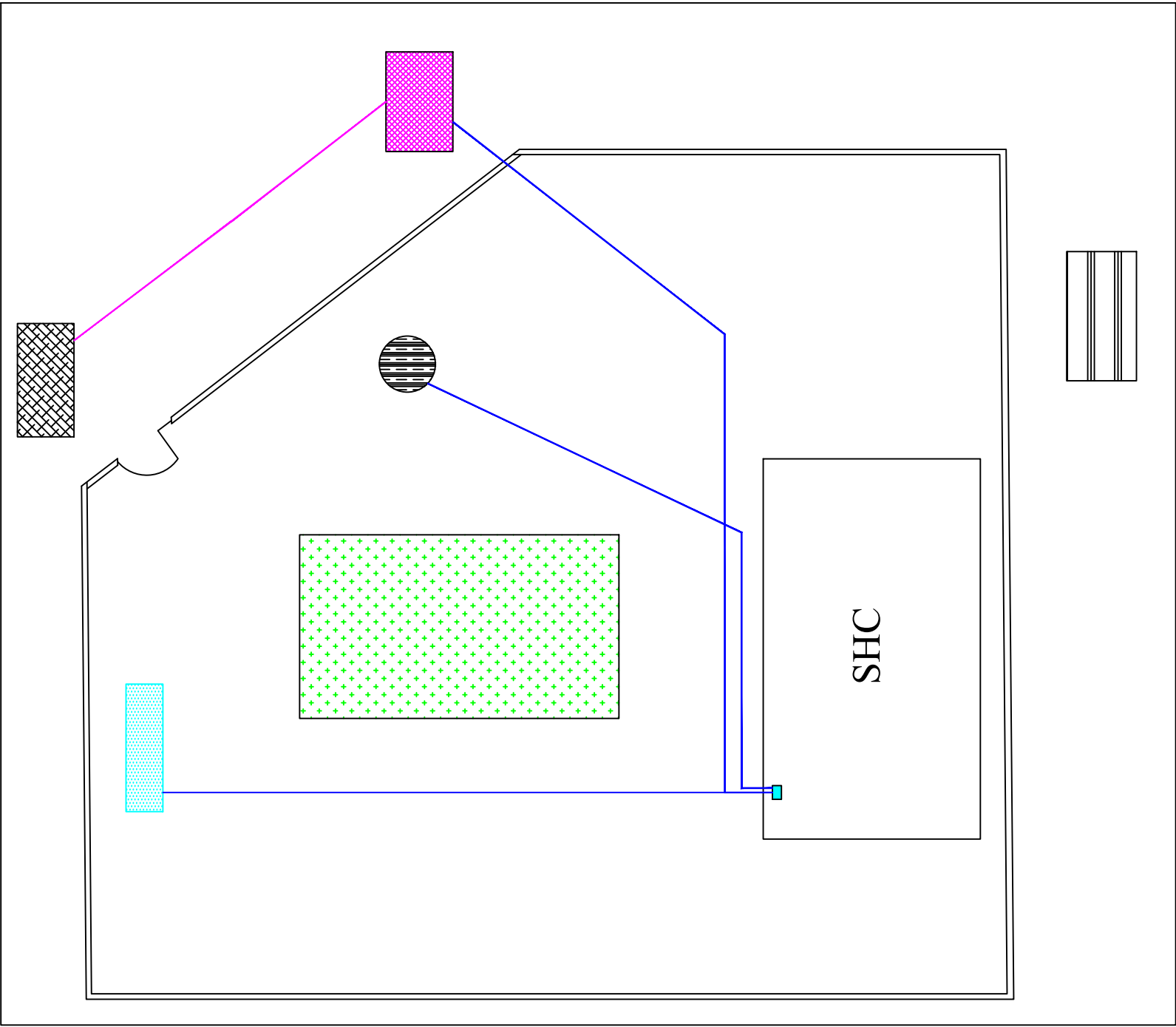


# Site Plan

## Survey Note

- 1- the location of component should be located in the side and health condition
- 2-healthcare center doesn't has the toilet and they have OPD.
- 3-the static level and dynamic level of bore well are taken from the away constructed bore well in the village, Static level=35m, Dynamic level=65m.
- 4-clinic building built from local materials.

- 01  Green area
- 02  New Septic
- 03  Latrin
- 04  Well
- 05  incinerator,Pits &Placenta
- 06  sub road
- 07  Hand Washing
- 08  Water Reservoir
- 09  PE pipe 32mm
- 10  Septic Pipe



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	Naser khail - SHC	DATE	MARCH-2024		


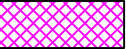









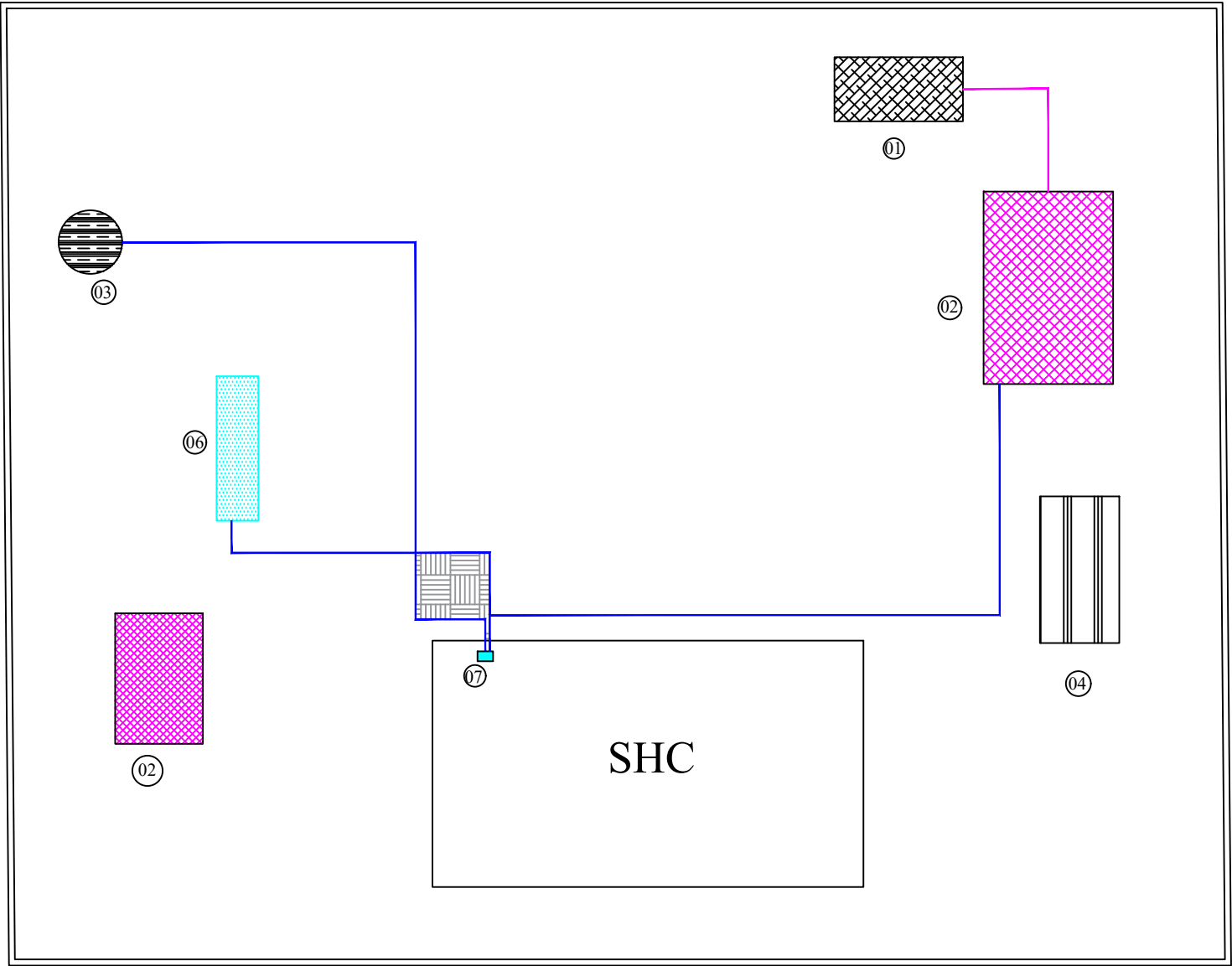


# Site Plan

## Survey Note

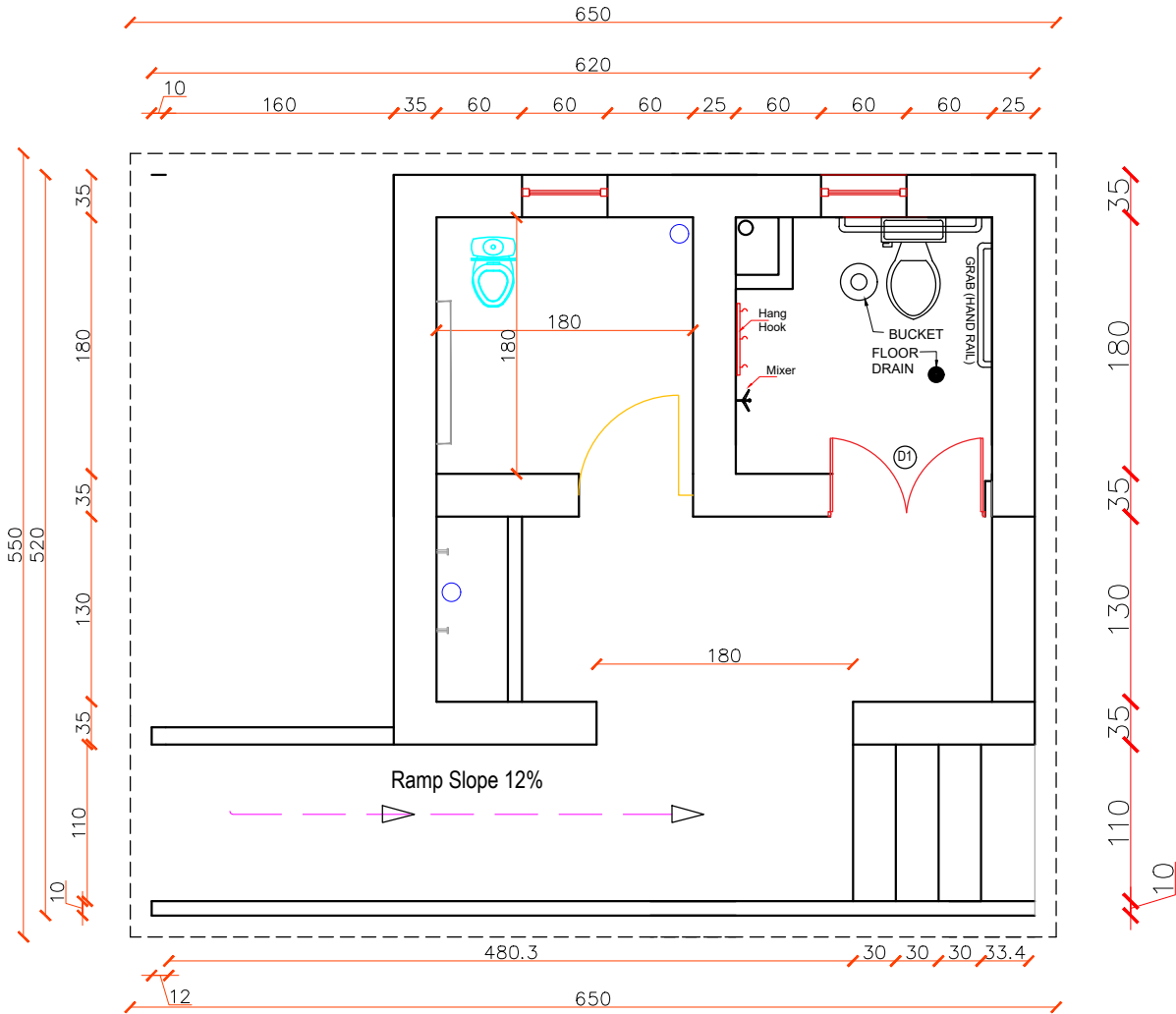
- 1- the location of component should be located in the side and health condition
- 2-the local latrine is not enough for the healthcare center.
- 3-the static level and dynamic level of bore well are taken from the away constructed bore well in the village, Static level=35m, Dynamic level=65m.
- 4-clinic building built from local materials.
- 5-the SHC doesn't has boundary wall

- 01  New Septic
- 02  Latrin
- 03  Well
- 04  incinerator,Pits &Placenta
- 05  sub road
- 06  Hand Washing
- 07  Water Reservoir
- 08  PE pipe 32mm
- 09  Septic Pipe



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DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr Ahmad Mukhtar Baraki	VILLAGE	DOAB - SHC	DATE	MARCH-2024		

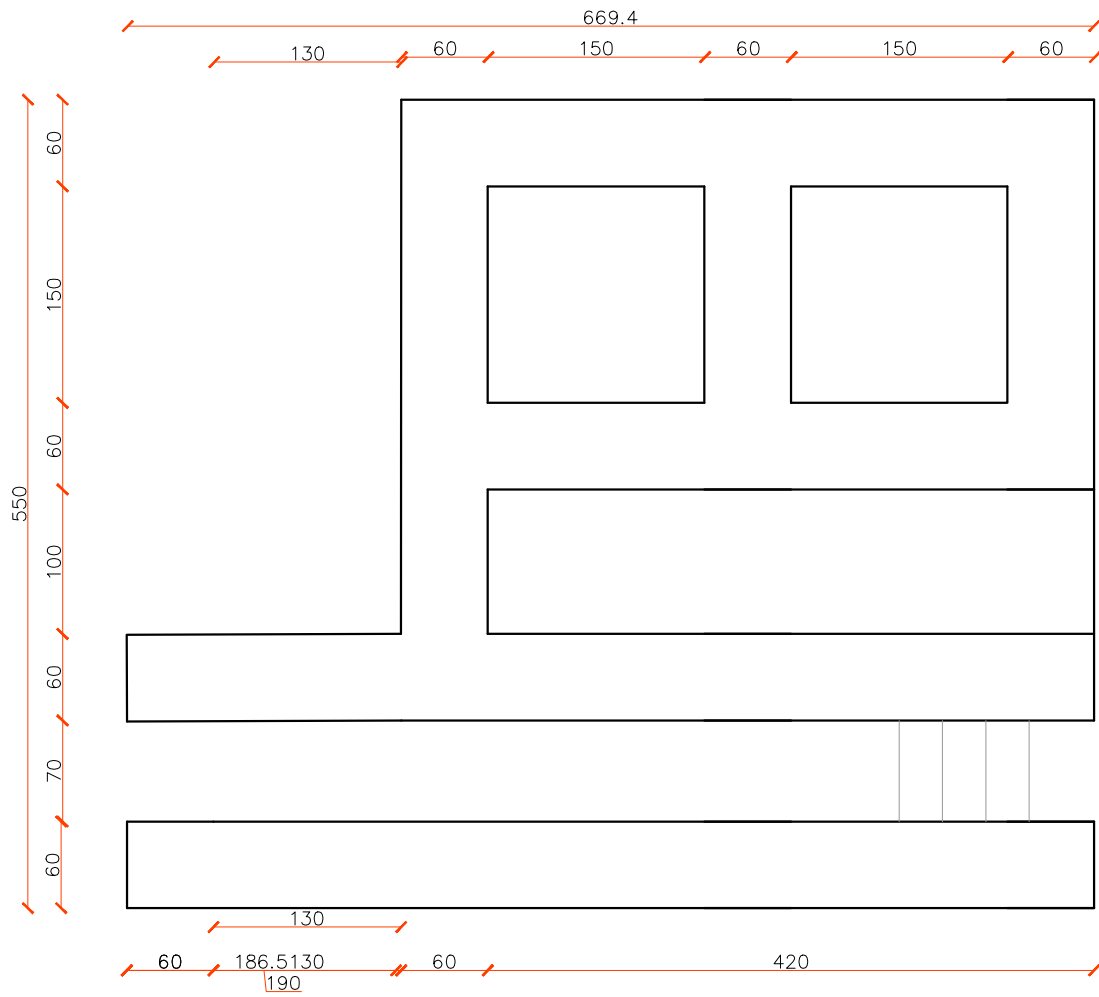
BATHROOM PLAN, Typical




SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		 SCALE 1:100 (A3)      CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar baraki	VILLAGE		DATE	MARCH-2024		



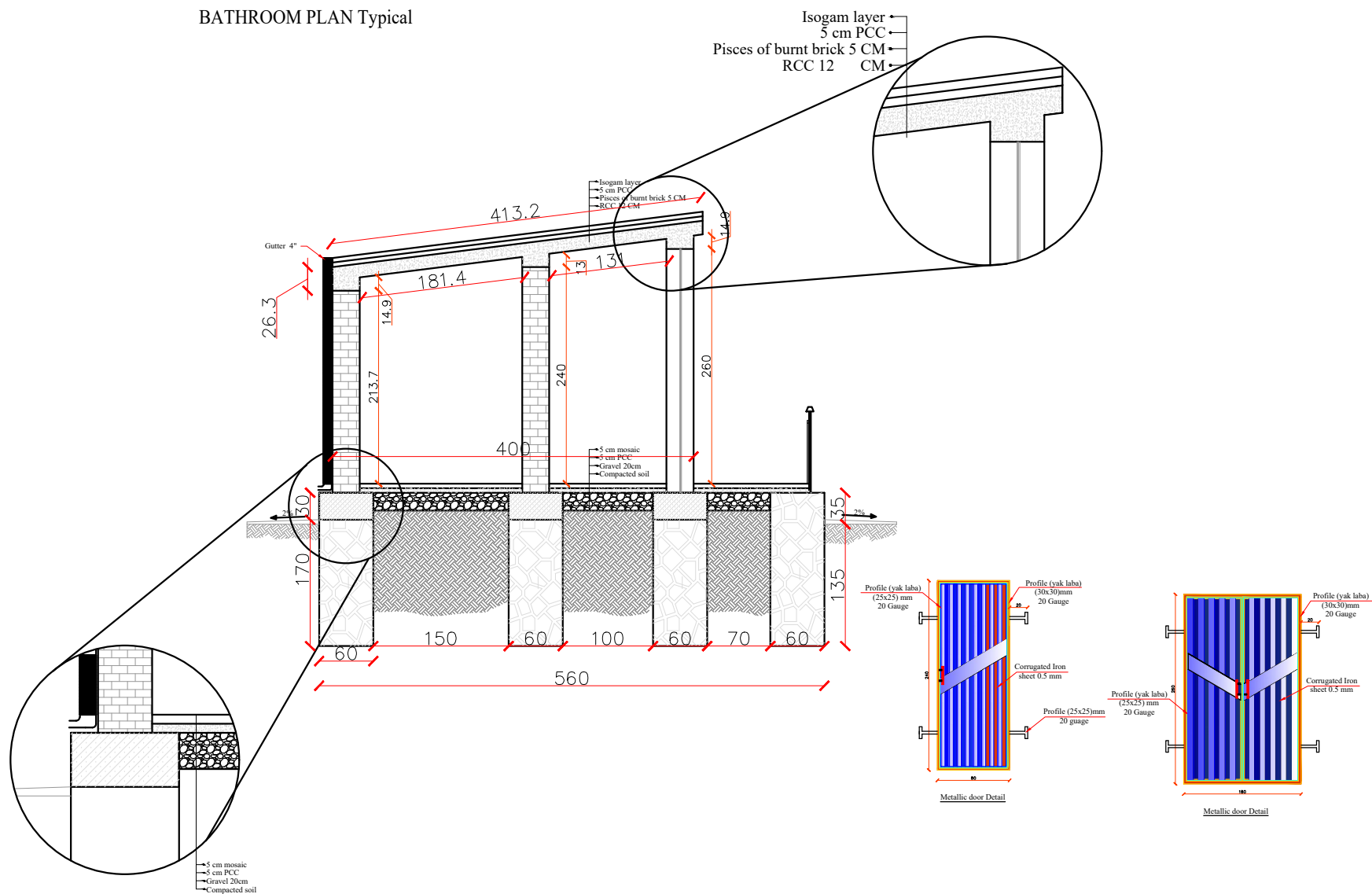
BATHROOM FOUNDATION PLAN, Typical



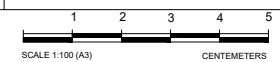
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DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar baraki	VILLAGE		DATE	MARCH-2024		



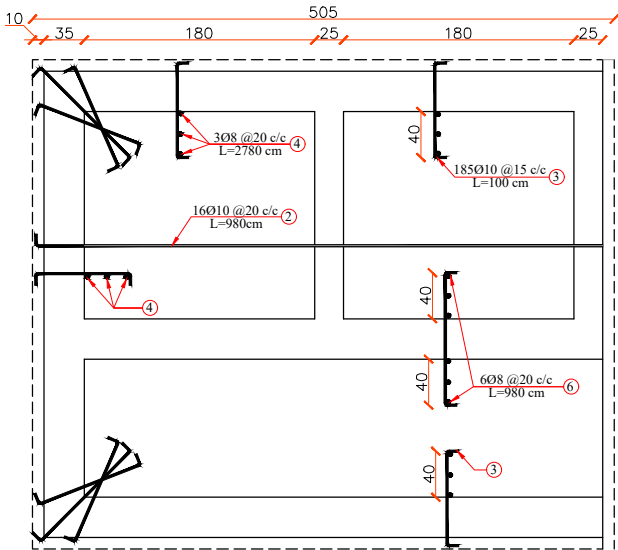
# BATHROOM PLAN Typical



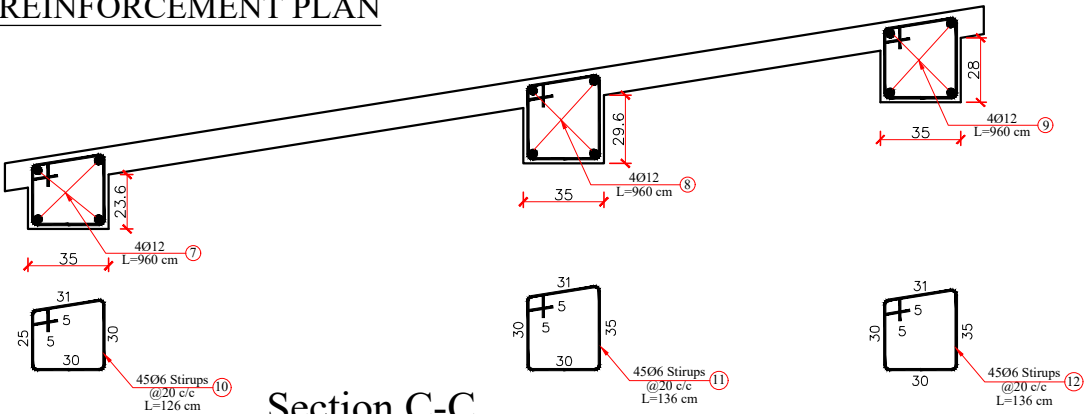
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DRAWN BY	ENG. SAMIULLAH	REVIEWED BY	ENG. AMANULLAH MIKHAHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG. SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		



BATHROOM FOUNDATION PLAN, Typical



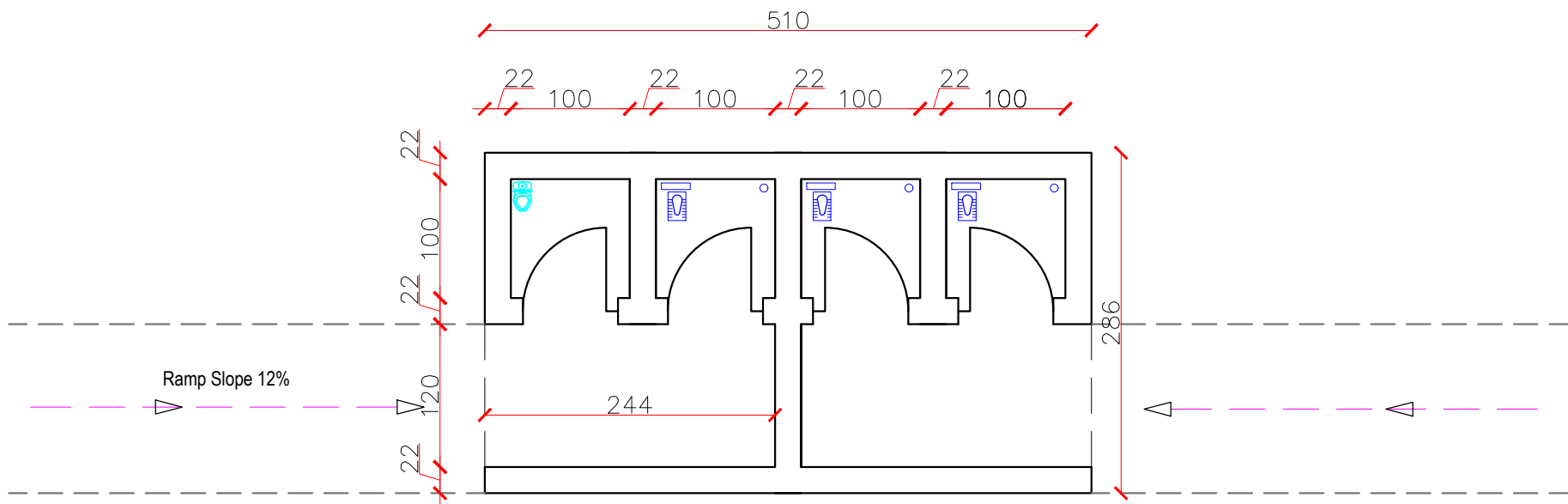
ROOF SLAB REINFORCEMENT PLAN



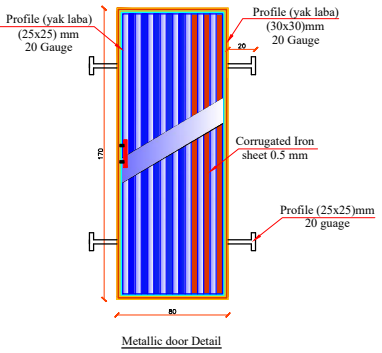
Section C-C




SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

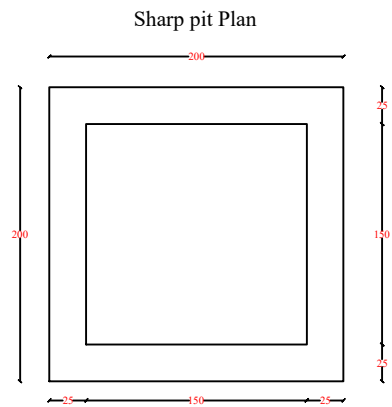
Repairing of Toilets, Ref No: 03



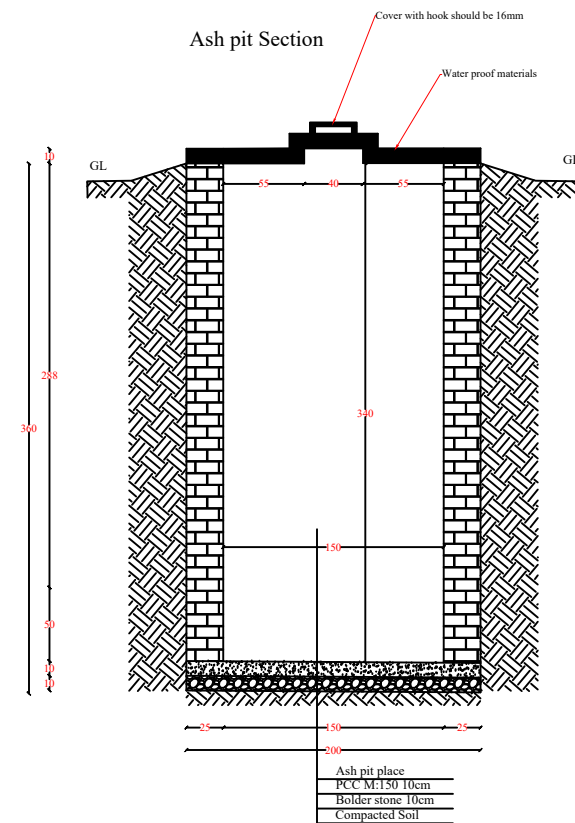
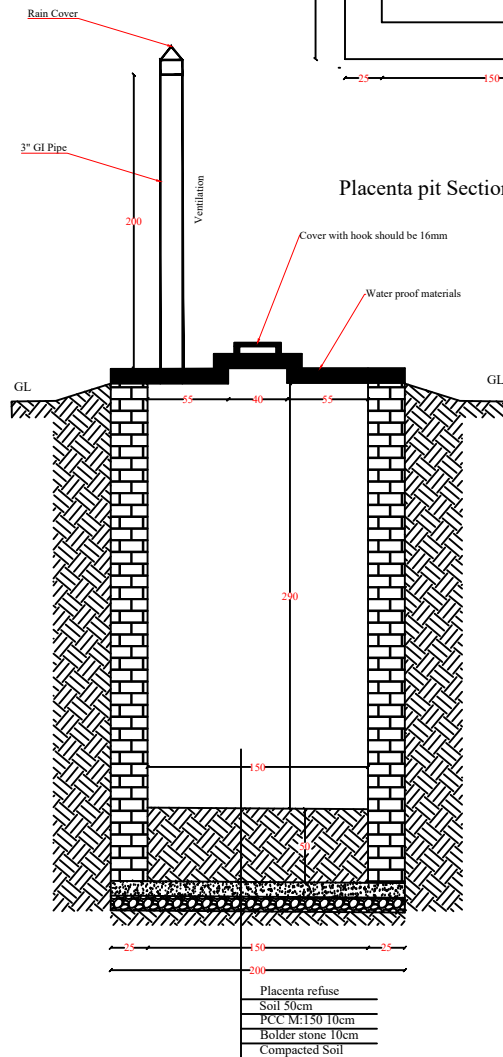
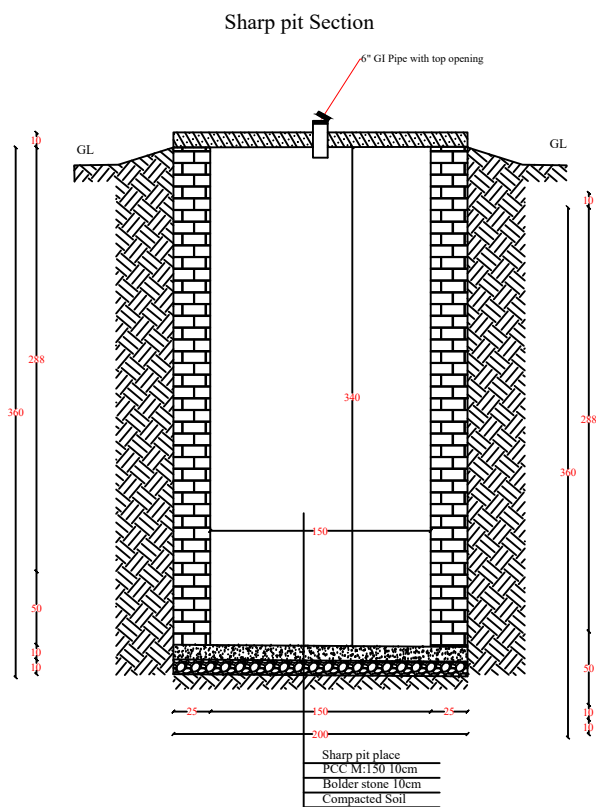
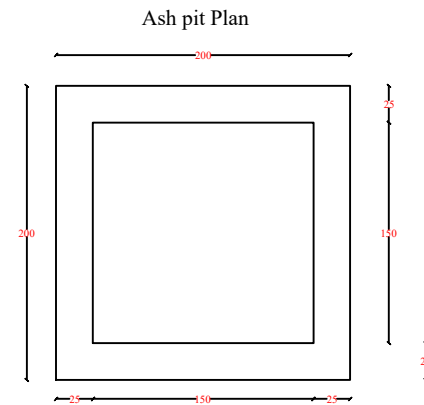
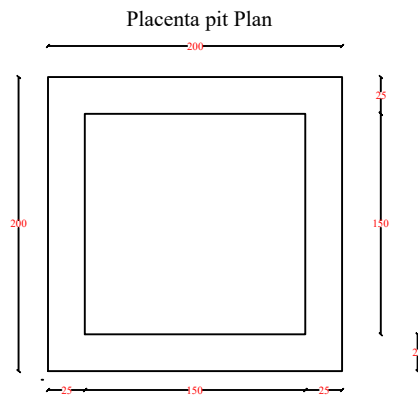
Note:  
the mentioned toilet need to repairing, the following work will done :  
1-All Walls will point  
2- Doors will replace  
3-the local latrine will change to toilet and water closet will install





SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		 SCALE 1:100 (A3) 
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

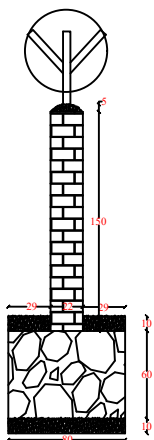
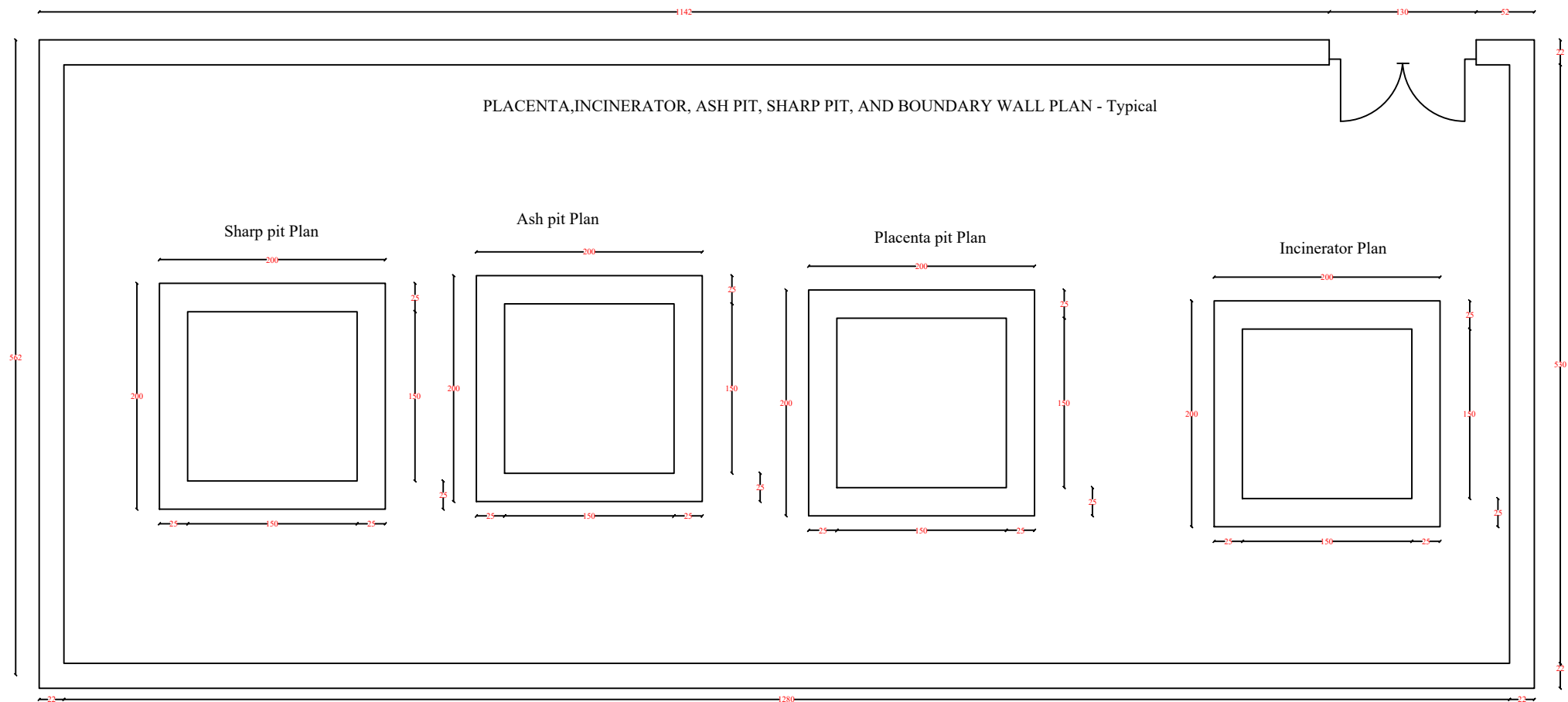


Typical


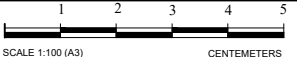


SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

PLACENTA,INCINERATOR, ASH PIT, SHARP PIT, AND BOUNDARY WALL PLAN - Typical

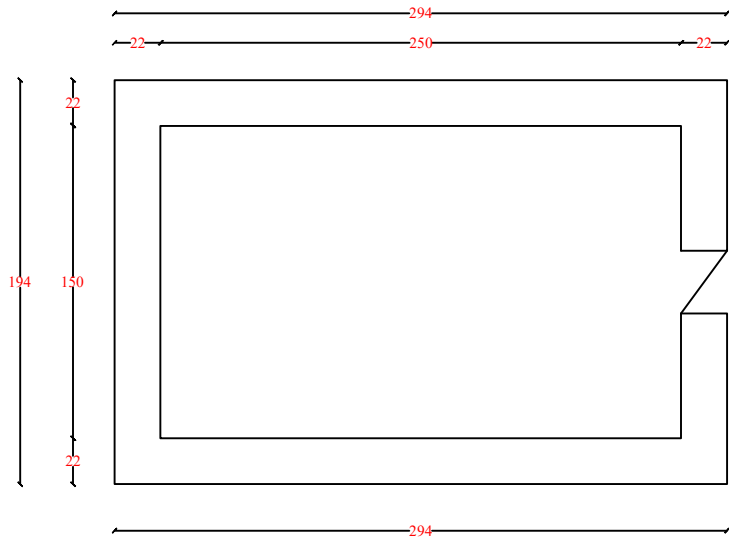


BOUNDARY WALL SECTION

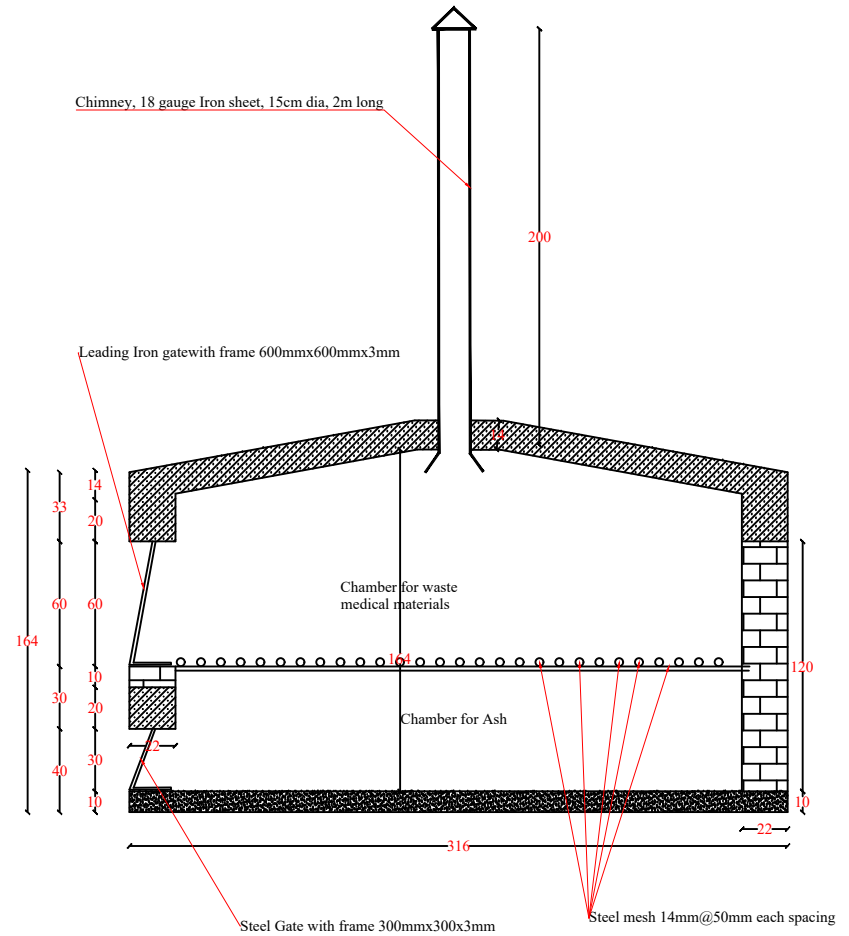
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		 SCALE 1:100 (A3) CENTEMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar (Baraki)	VILLAGE		DATE	MARCH-2024		


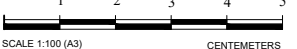



# Incinerator, Typical

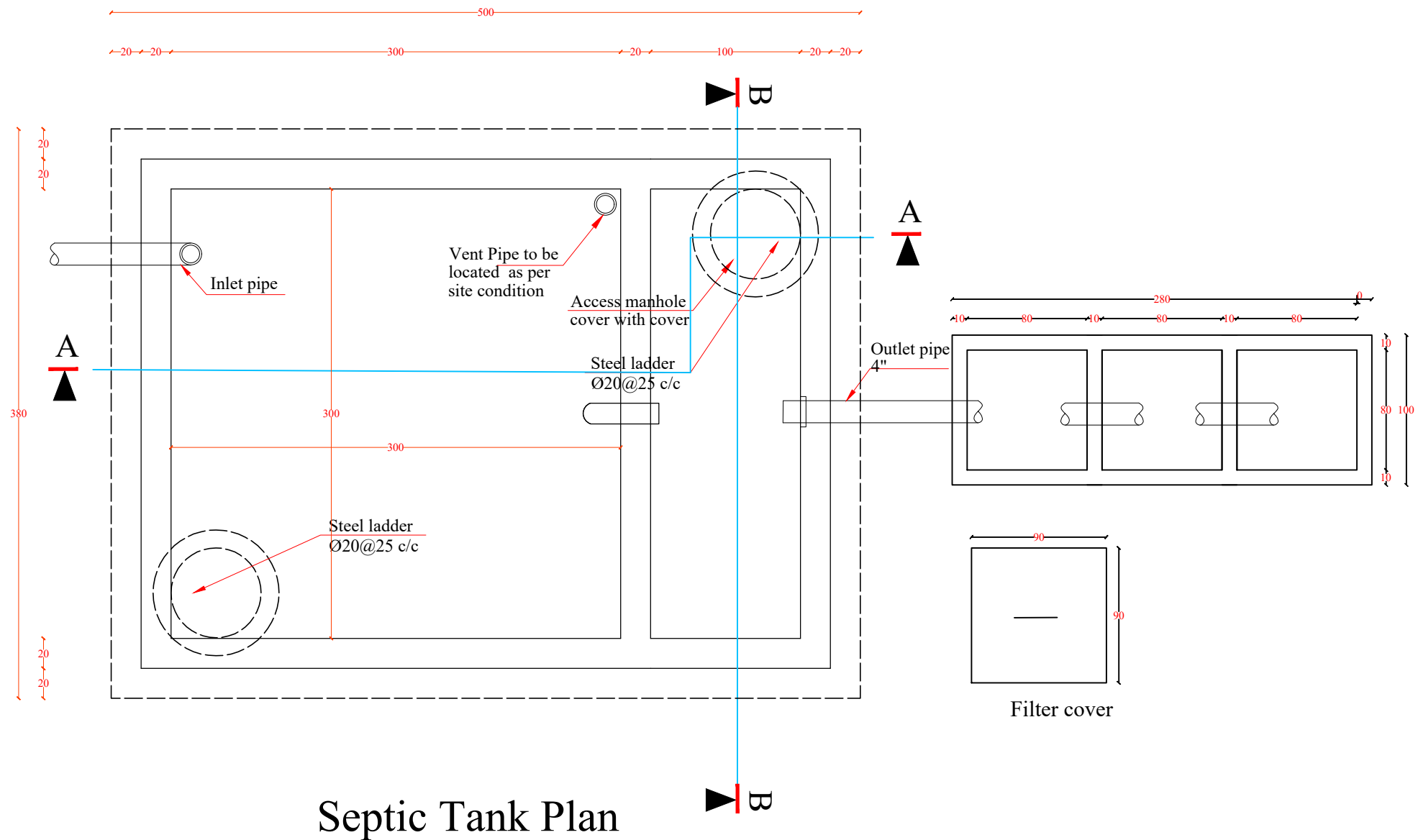


Incinerator plan





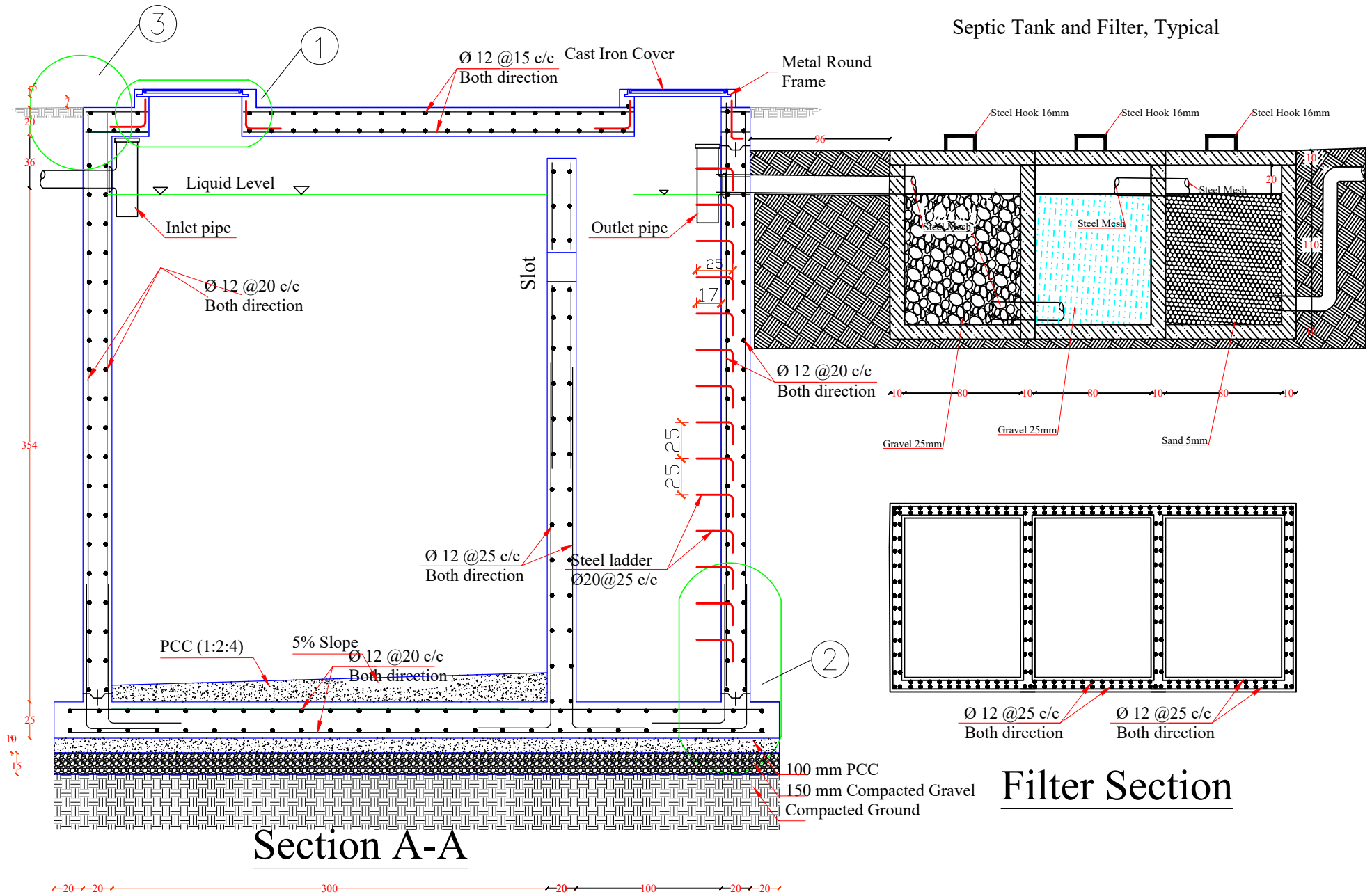
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01	  	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr.Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

## Septic Tank and Filter, Typical

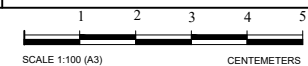


## Septic Tank Plan

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01	<div><div>Water Engineering Department</div><div><div>AWECO</div><div>Water Engineering and Construction</div></div></div>	<div><div><div>12345</div><div>SCALE 1:100 (A3)</div><div>CENTIMETERS</div></div><div></div></div>
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

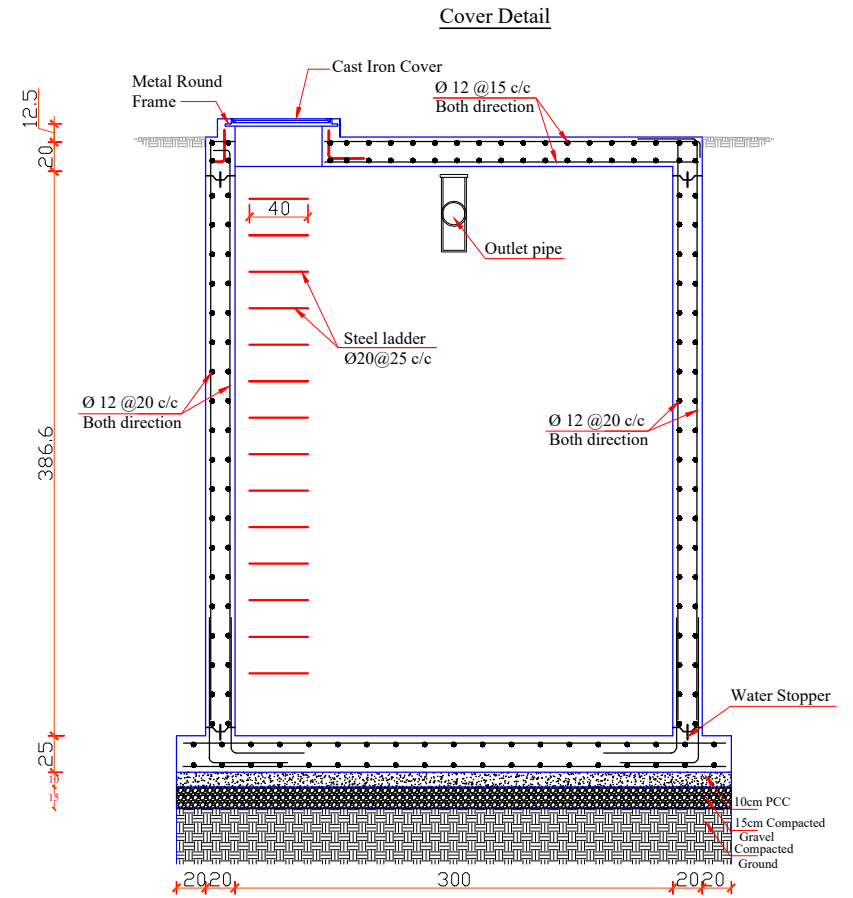
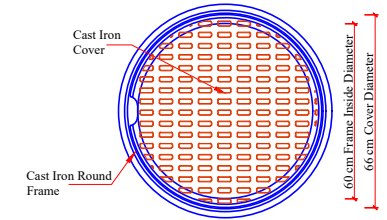
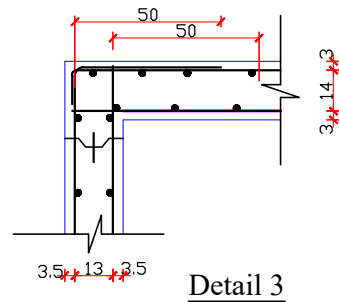
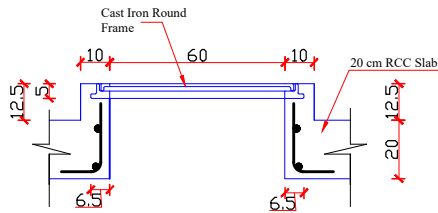
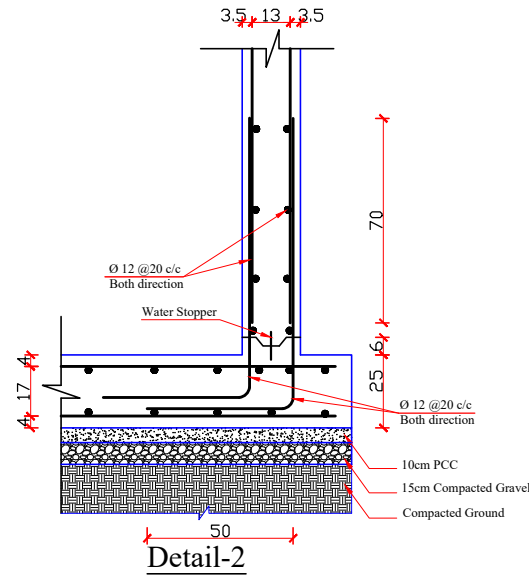


SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		





## Septic Tank and Filter, Typical



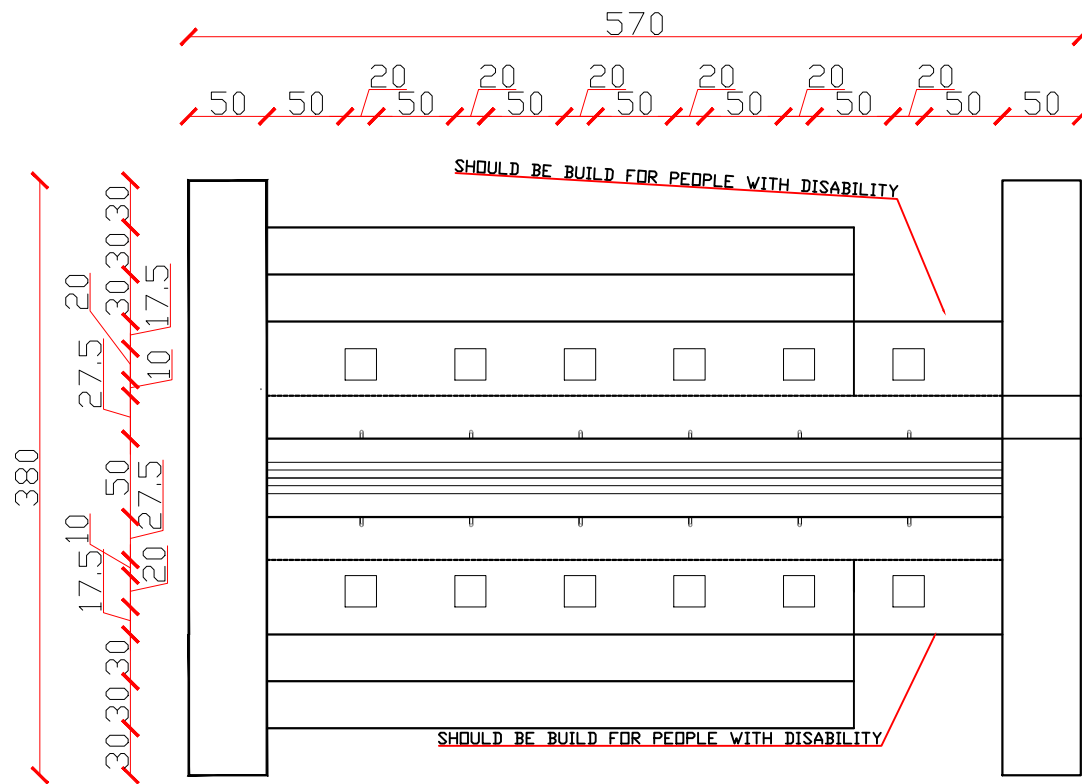
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM	
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01	<div><div>اډولټېشن، ټرانسپارېنسي، ټولګټي ټولګټي</div><div><div>AWECO</div><div>اډولټېشن، ټرانسپارېنسي، ټولګټي ټولګټي</div></div></div>	<div><div>12345</div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>SCALE 1:100 (A3)</div> <div>CENTIMETERS</div>	<div><div>د دواړو</div><div>DAWAM</div></div>
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024			

SCALE 1:100 (A3)

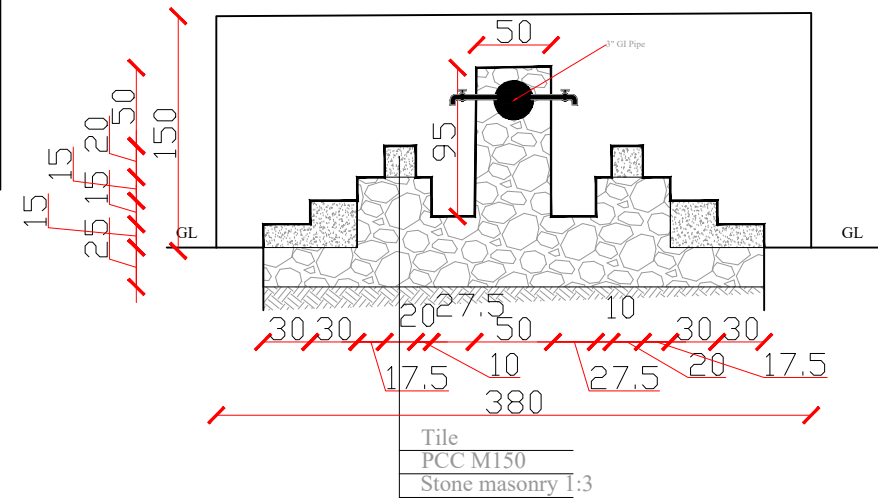
CENTIMETERS

# HAND WASHING STRUCTURE PLAN AND SECTION

## Typical


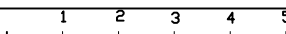


Should be connect to the drain channel

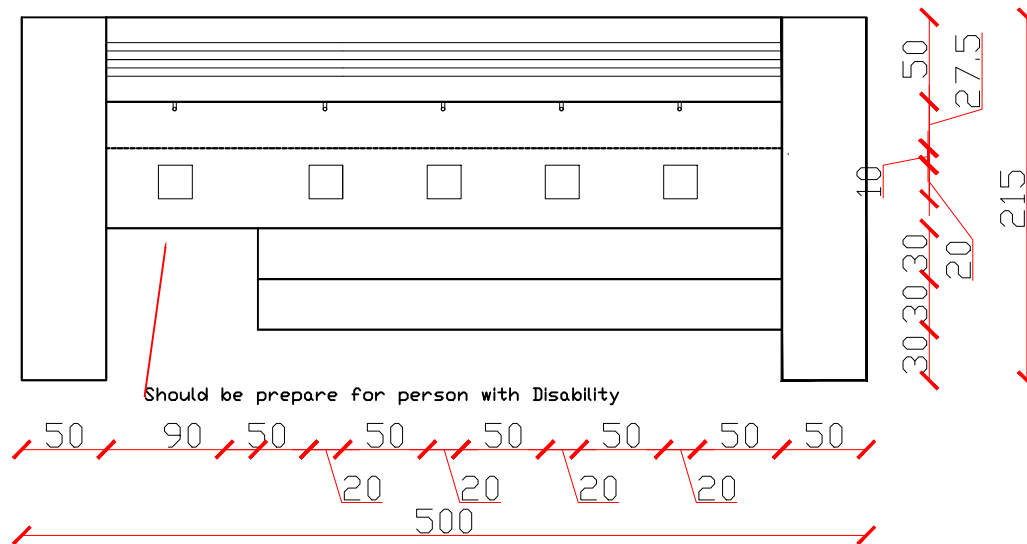


HAND WASH STRUCTURE PLAN

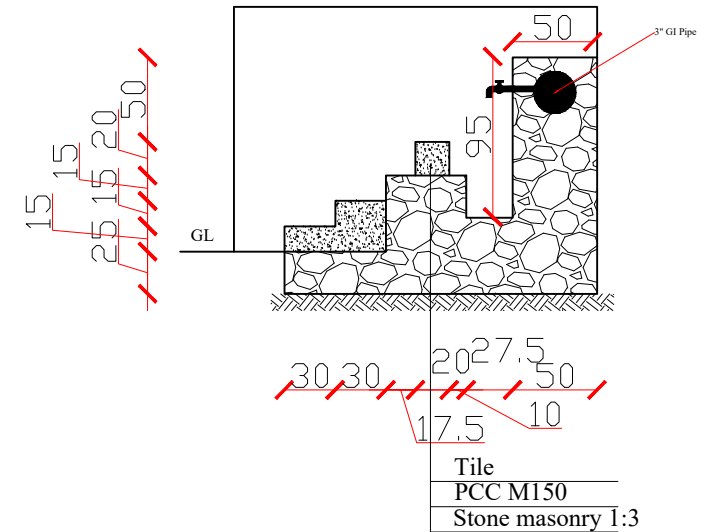
HAND WASH SECTION

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		 SCALE 1:100 (A3)      CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		


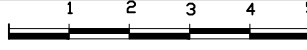

# Hand Washing facilities Typical



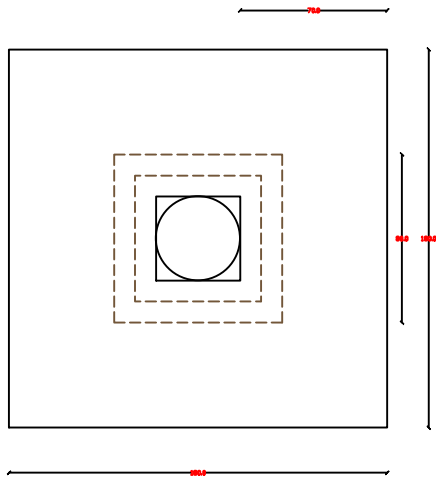
HAND WASH STRUCTURE PLAN



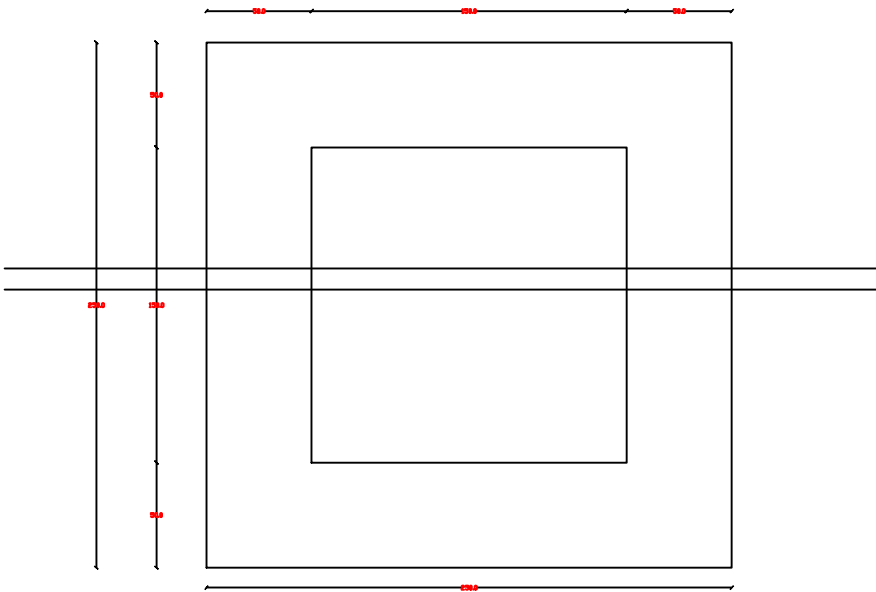
HAND WASH SECTION

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM - WASH
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01	  SCALE 1:100 (A3)	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

Well Apron, Ref No:05

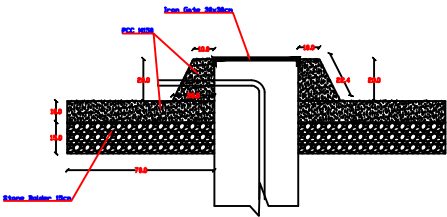


Valve Box, Ref No:14

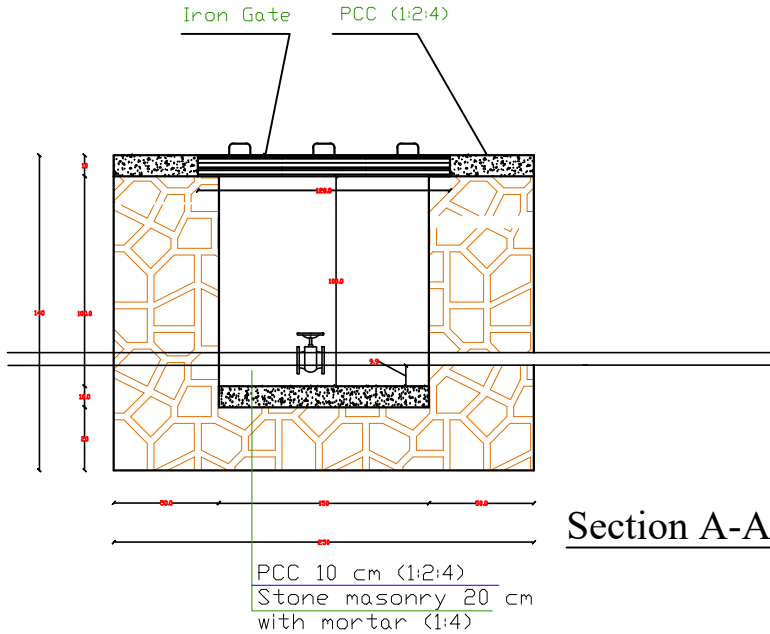


Note:

Valve box should be construct for main reservoirs and all outlet and inlet pipes should adjust with valves in the valve box



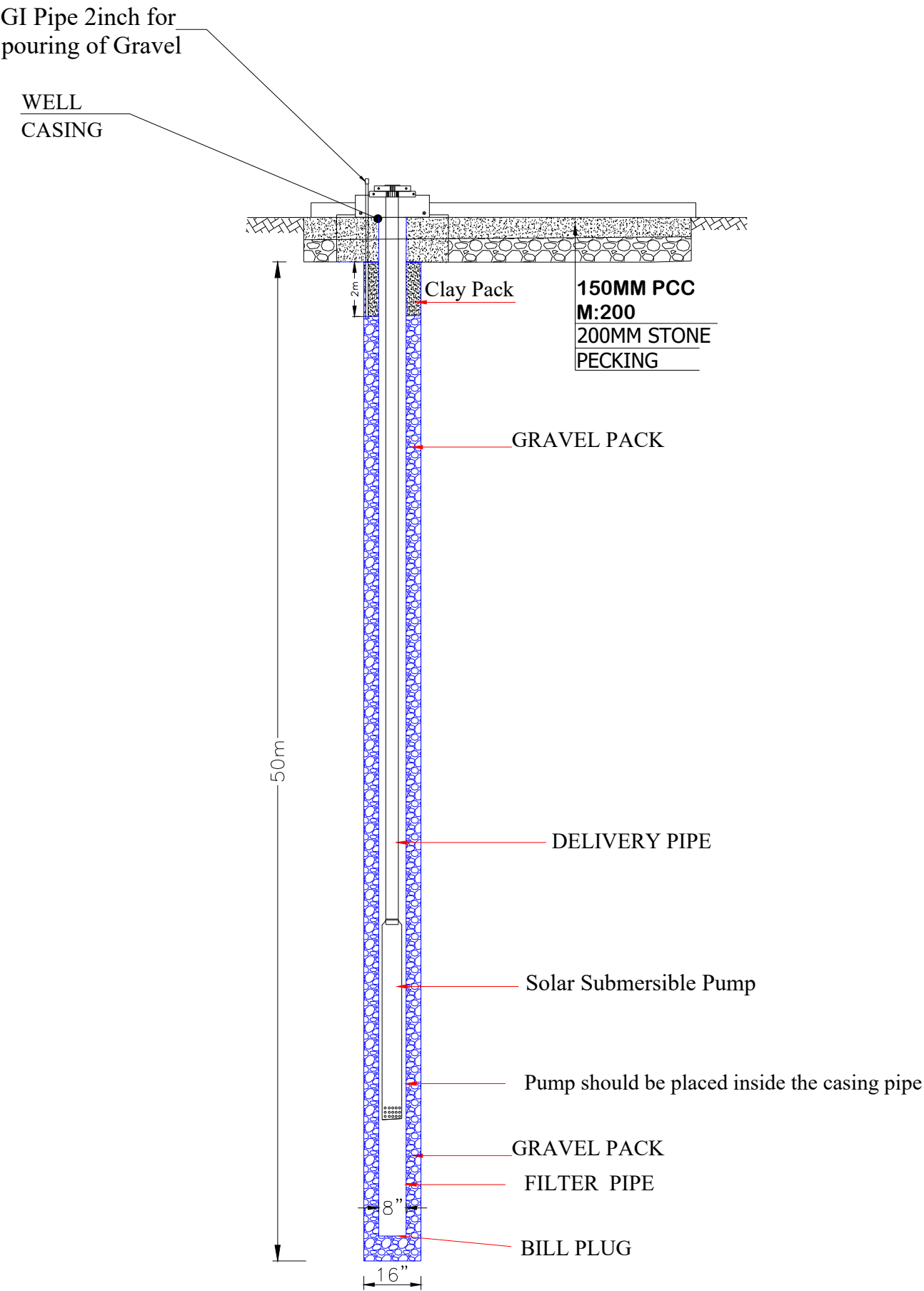
Well Apron Section



Section A-A

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.HEDAYATULLAH AMIN	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIKHLIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

WELL SECTION



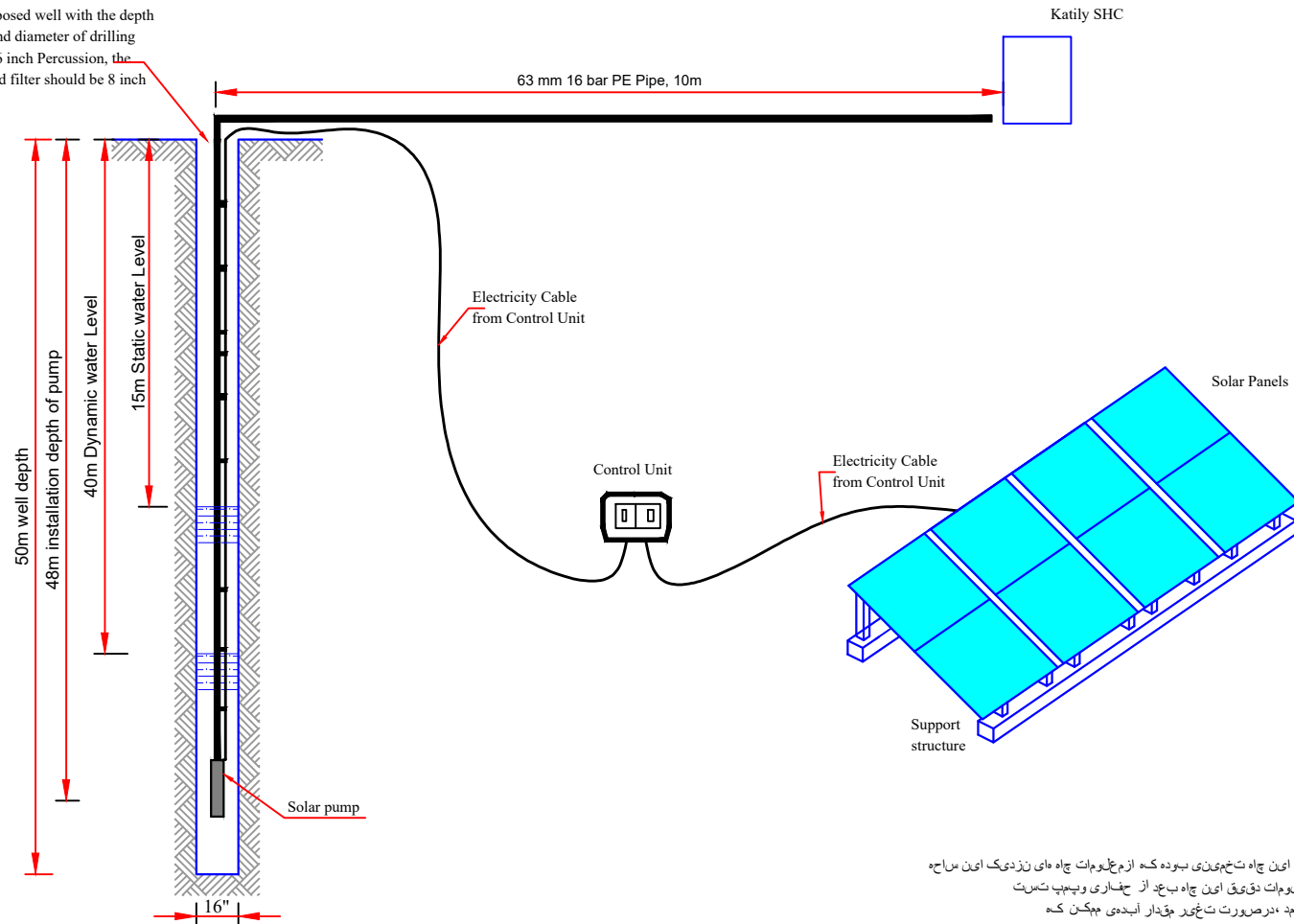
Notes

- 1-Well designed by WTSAN department.
- 2-The working pressure for pipes and valves will be 16 or 20 bar ( 290 PSI )
- 3- If the ground stratum are made of bed rocks it no need for installation of casing pipes. if the stratum are made of Loss soil it should be stablized by installation casing pipes.
- 4-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately .
- 5-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.

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01	<div><div>Alghan Women's Sociaiboud Center</div><div>AWEC</div><div>مركز المرأة الاجتماعي</div></div>	<div><div>12345</div><div>SCALE 1:100 (A3)</div><div>CENTIMETERS</div></div>
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	KATILAY- SHC	DATE	MARCH-2024		<div><div>دام</div><div>DAWAM</div></div>

## Typical Site plan of Solar pump system

New proposed well with the depth of 50m and diameter of drilling will be 16 inch Percussion, the casing and filter should be 8 inch Class D



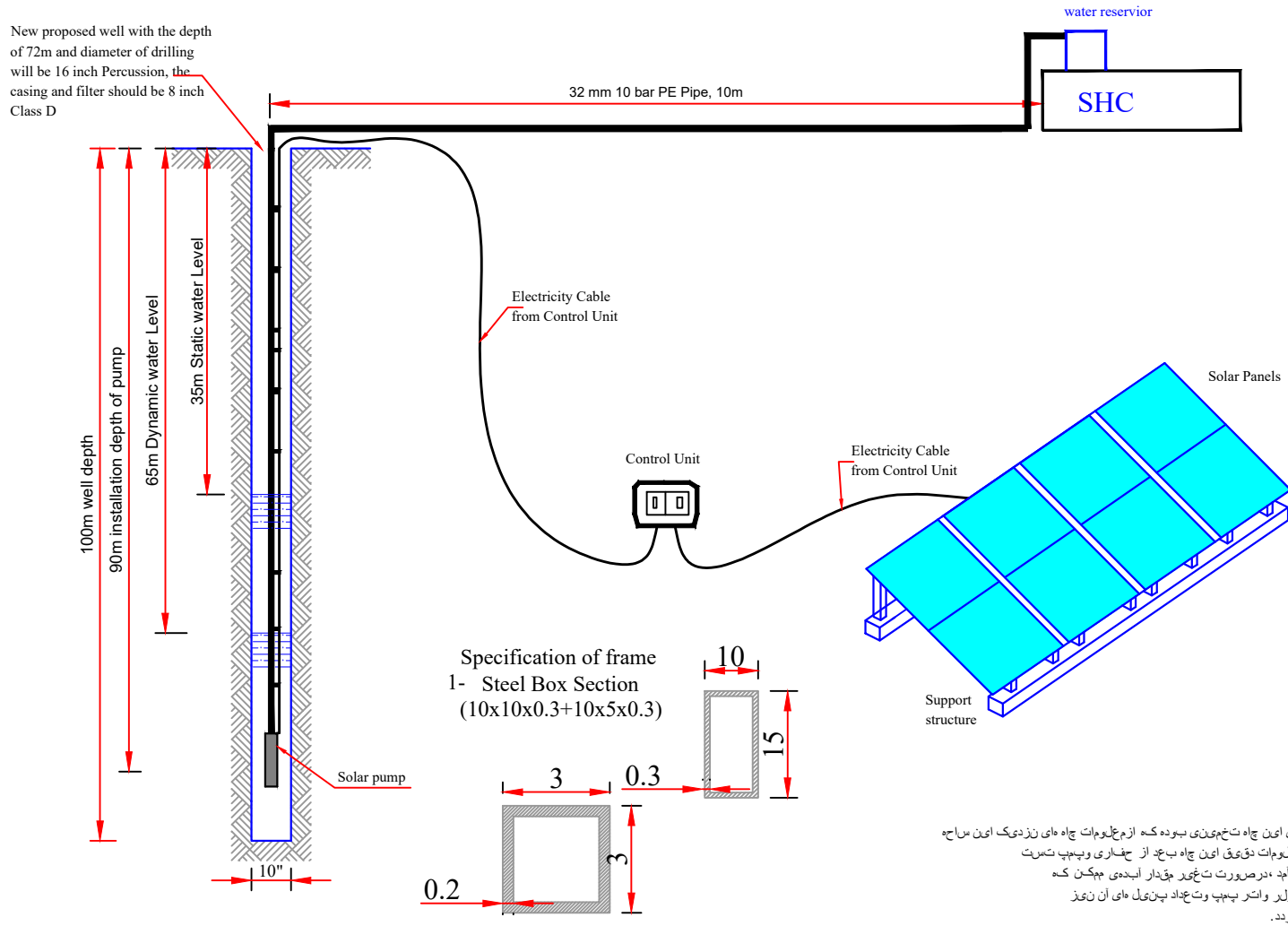
نوت:  
تمام ارقام برای این چاه تخمینی بوده که از ملاحظات چاه های نزدیک این سازه  
اخذ گردیده و ملاحظات دقیقی این چاه بعد از حفاری و پمپ تست  
آن بدست خواهد آمد، در صورت تغییر مقدار آبدهی ممکن که  
در مشخصات سولر واتر پمپ و تعداد پمپی های آن نیز  
تغییر رونم گردد.


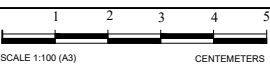
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	KATILAY	DATE	MARCH-2024		

SCALE 1:100 (A3)

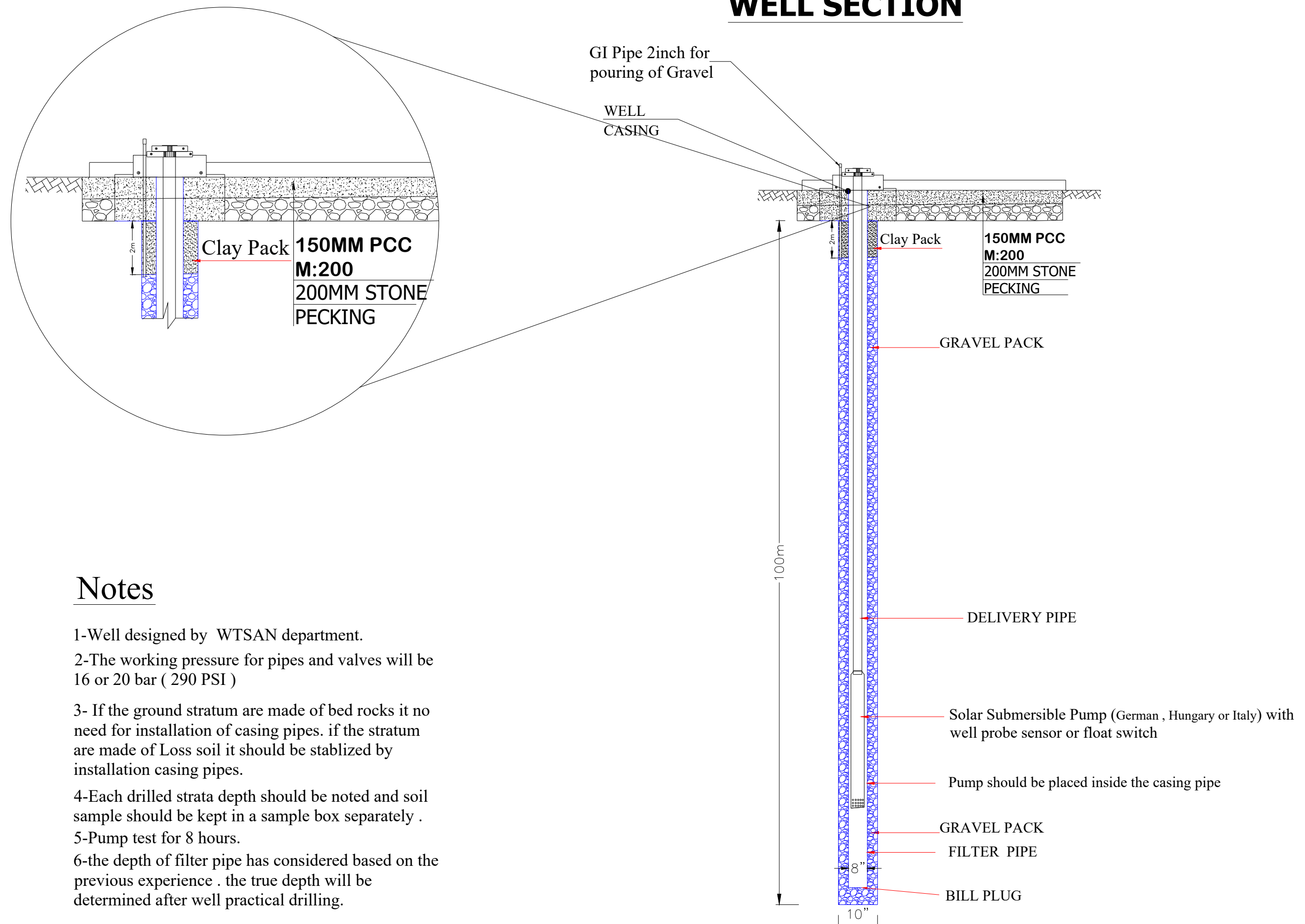
CENTIMETERS

## Typical Site plan of Solar pump system



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZAYAN	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr.Ahmad Mukhtar Baraki	VILLAGE	DWA KHOLO NAZAYAN - BHC	DATE	MARCH-2024		

# WELL SECTION



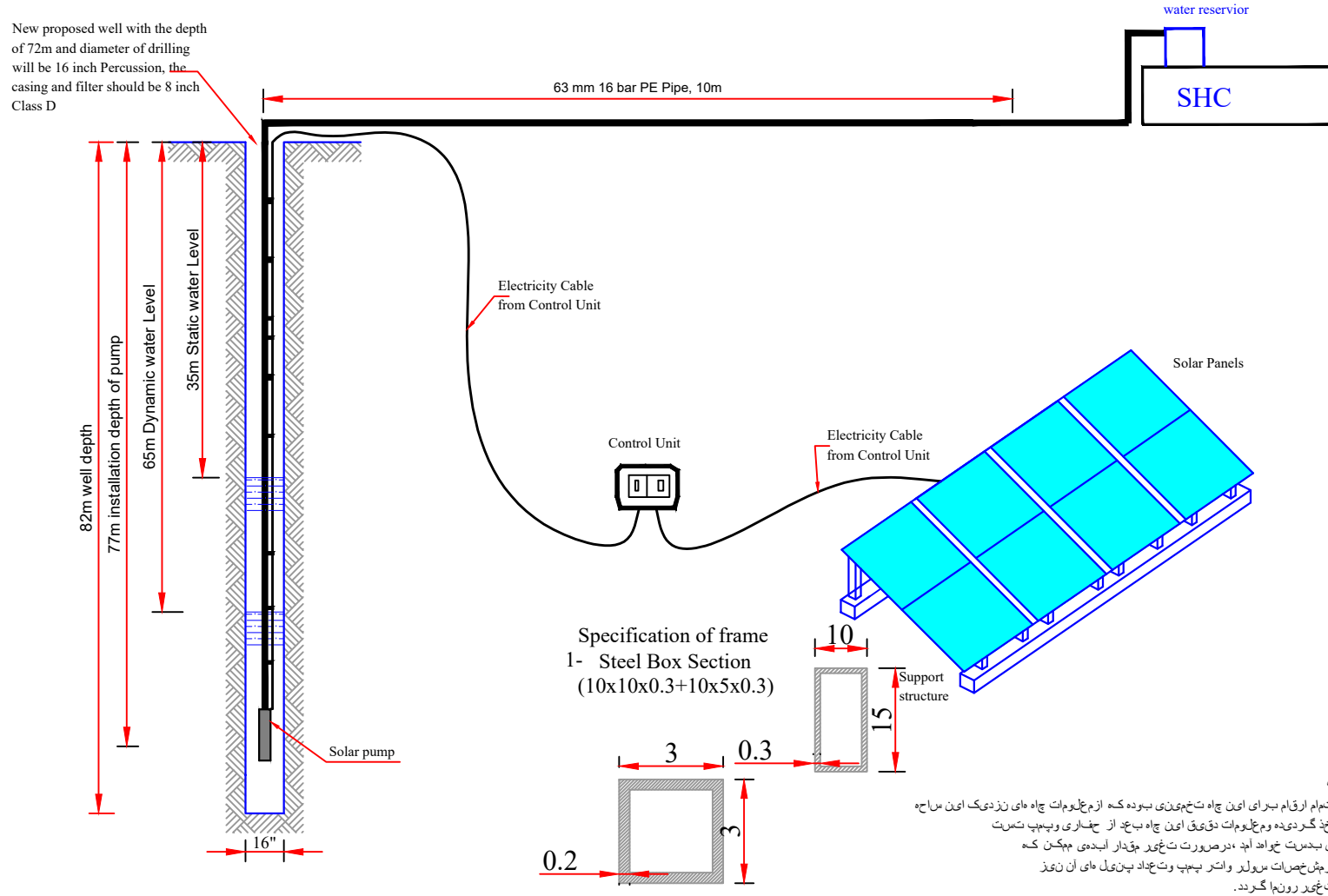
# Notes

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- 4-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately .
- 5-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.
- 
- Solar Submersible Pump (German , Hungary or Italy) with well probe sensor or float switch
- Pump should be placed inside the casing pipe
- GRAVEL PACK
- FILTER PIPE
- 8"
- BILL PLUG

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZAYAN	SHEET NO	01	<div><div><div>AWECO</div><div>اقتصاد و عمران و معماريت</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div><div><div>SCALE 1:100 (A3)</div><div>CENTIMETERS</div></div><div><div>DAWAM</div><div>دوام</div></div></div>	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	DWA KHOLO NAZAYAN- BHC	DATE	MARCH-2024		

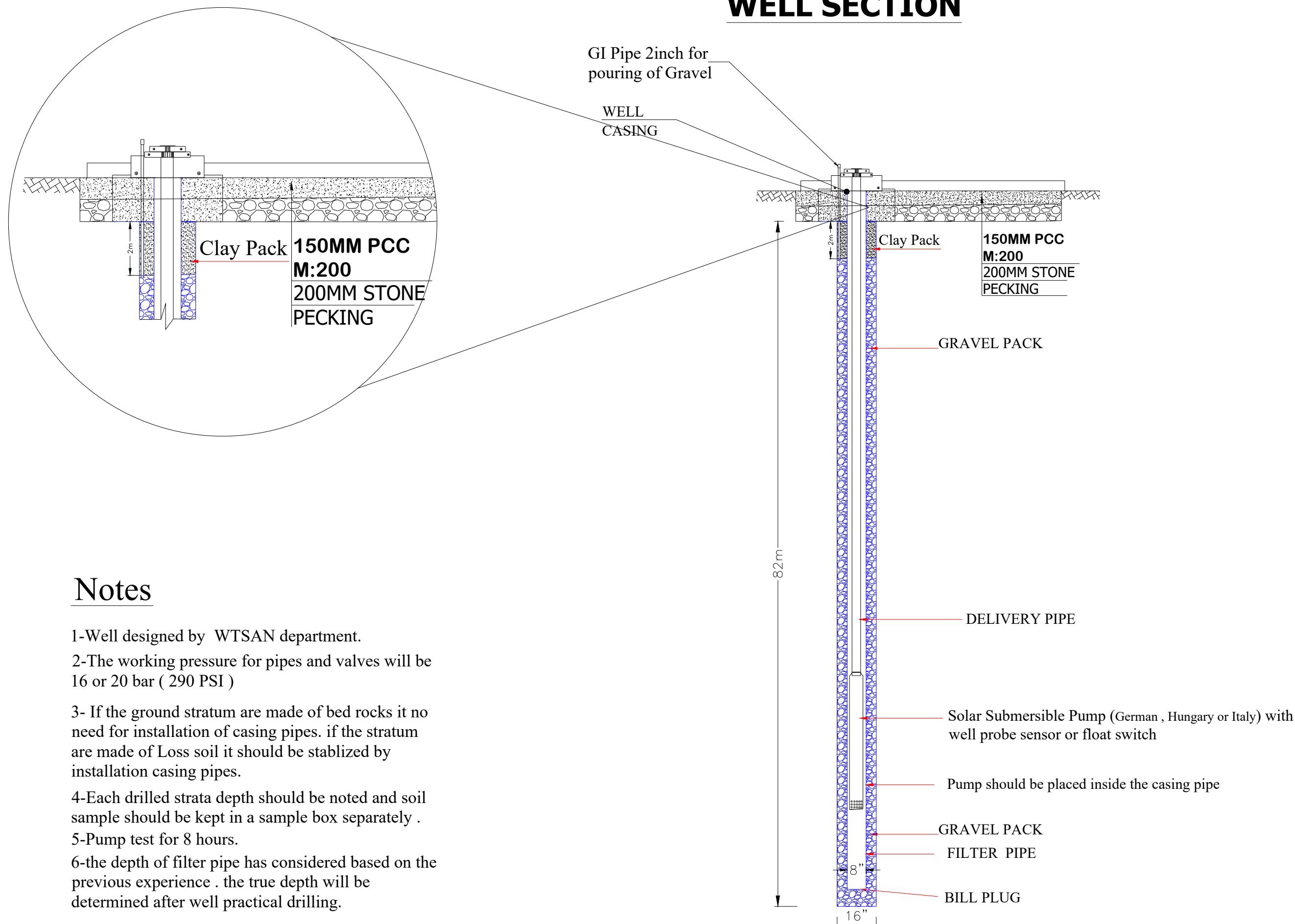


## Typical Site plan of Solar pump system



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	NASERKHEL- SHC	DATE	MARCH-2024		

WELL SECTION

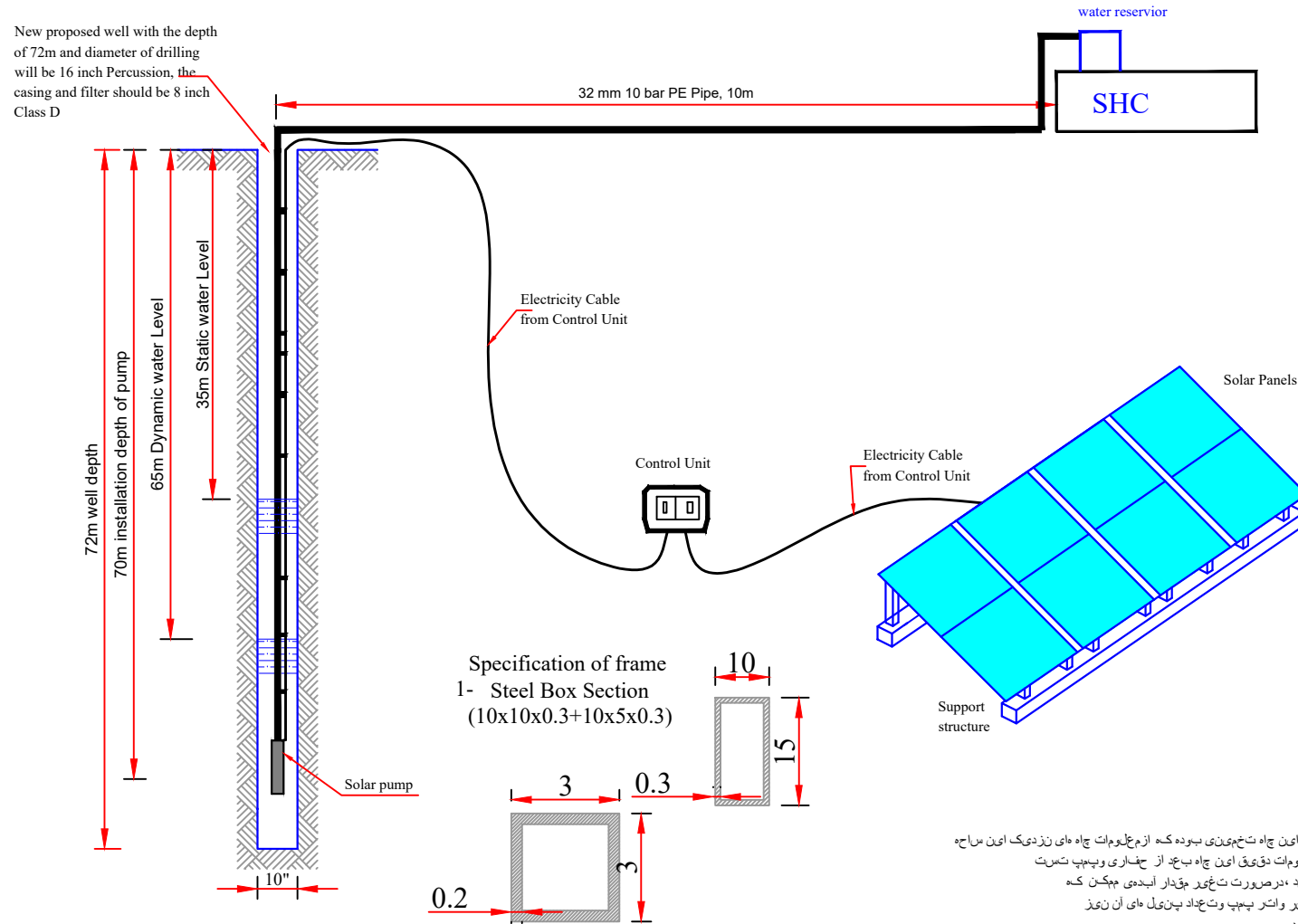



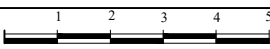
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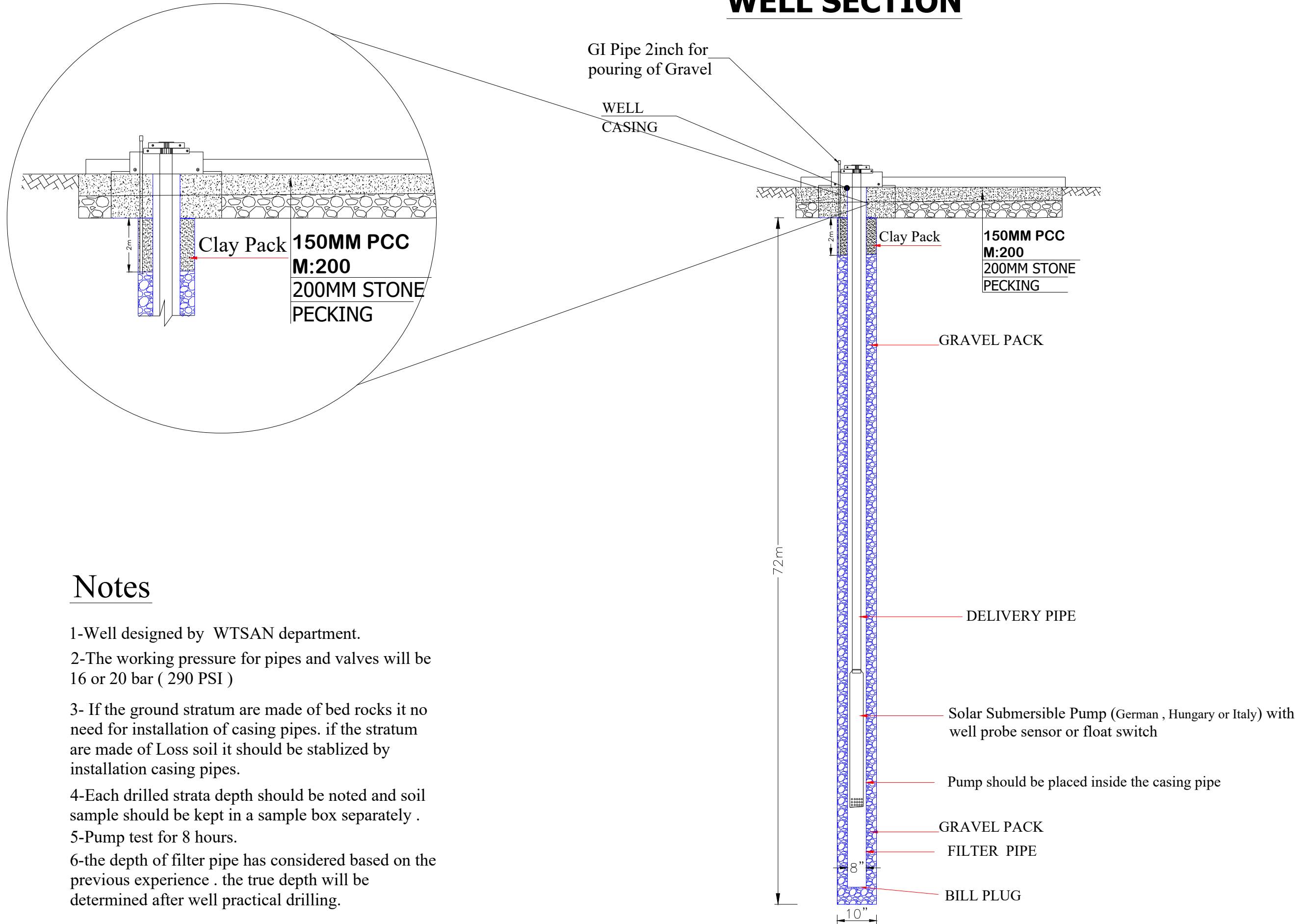
SURVEYED BY	ENG.SAMIULLAH & KARIMUL HAQ	CHECKED BY	ENG.HEDAYATULLAH AMIN	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01	<div>اښان پرمخ ښاروالۍ مرکز AWECO</div>	<div>12345</div> <div>SCALE 1:100 (A3)</div> <div>CENTIMETERS</div>
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY		VILLAGE	NASERKHIL- SHC	DATE	MARCH-2024		

## Typical Site plan of Solar pump system



SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.Amanullah Makhil	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		 SCALE 1:100 (A3)
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	DOAB - SHC	DATE	MARCH-2024		

## WELL SECTION



## Notes

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SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01	  	
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	DOAB - SHC	DATE	MARCH-2024		