



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

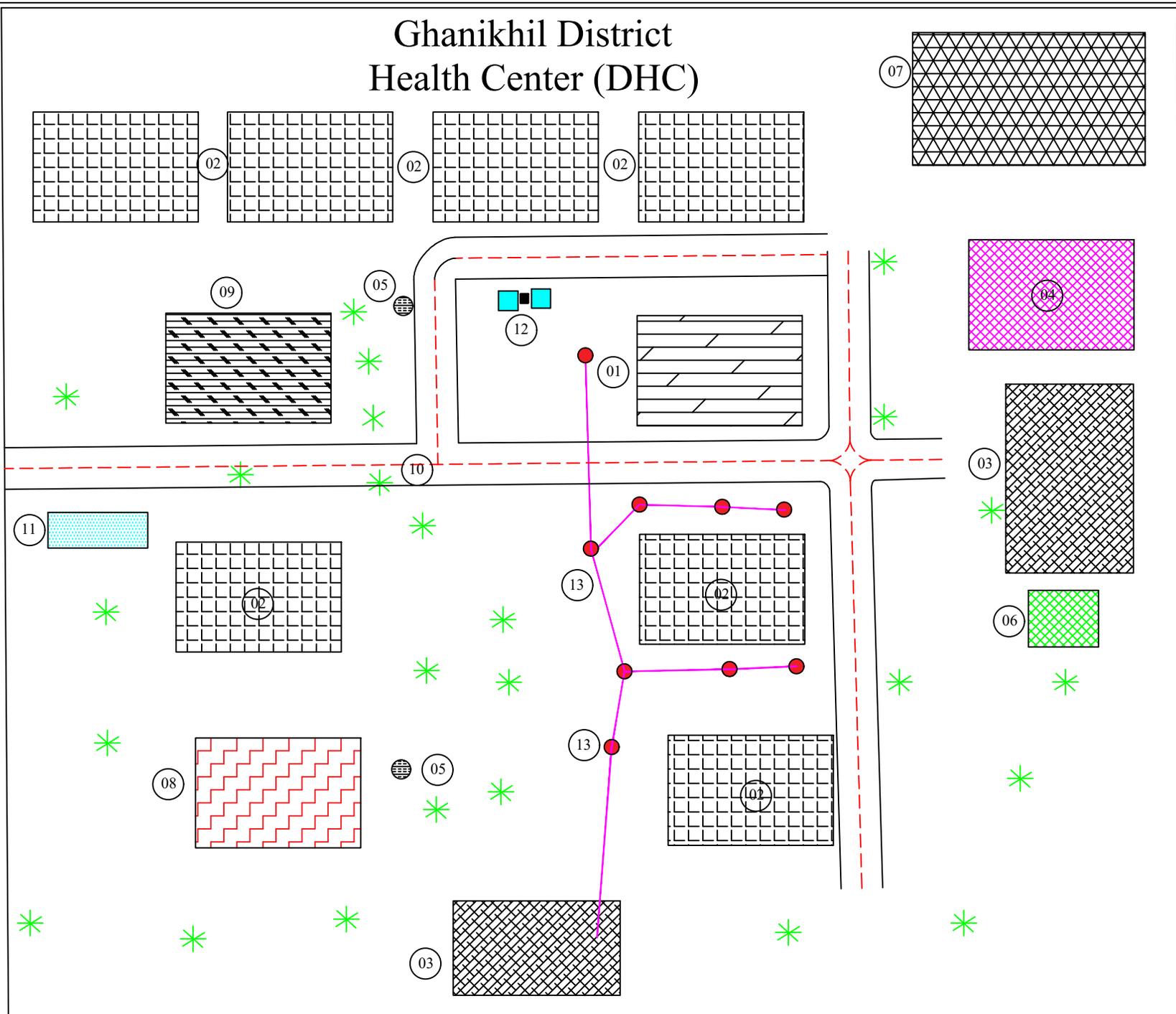


Site Plan

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
DROWNE 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	GHANIKHIL- DH	DATE	MARCH-2024		





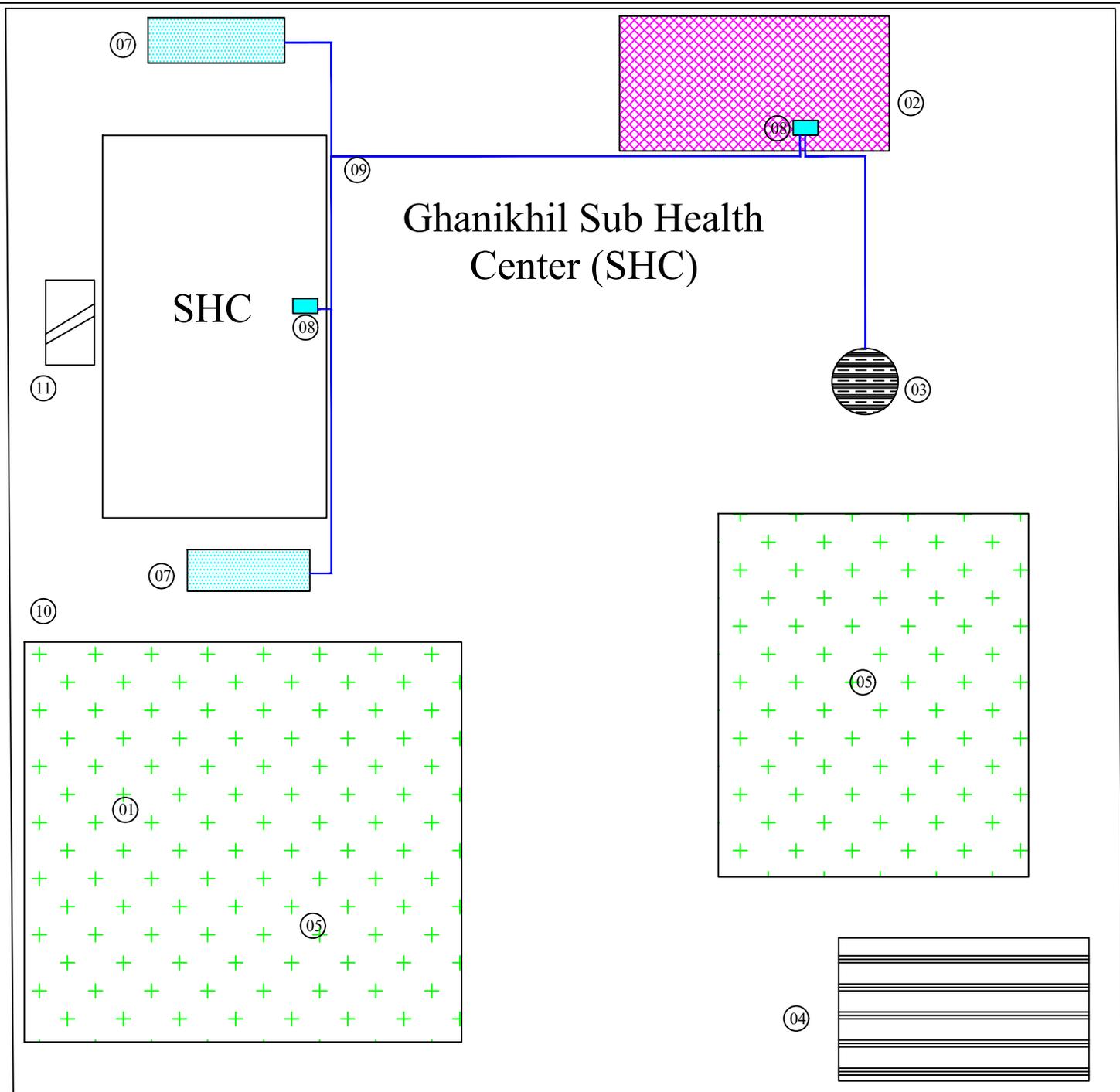
Site Plan

Survey Note:

- 1-the SHC has Bore well and bathroos.
- 2- the location of septic tank will change to the new septic tank.

- 02 Latrin
- 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

06



04

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		



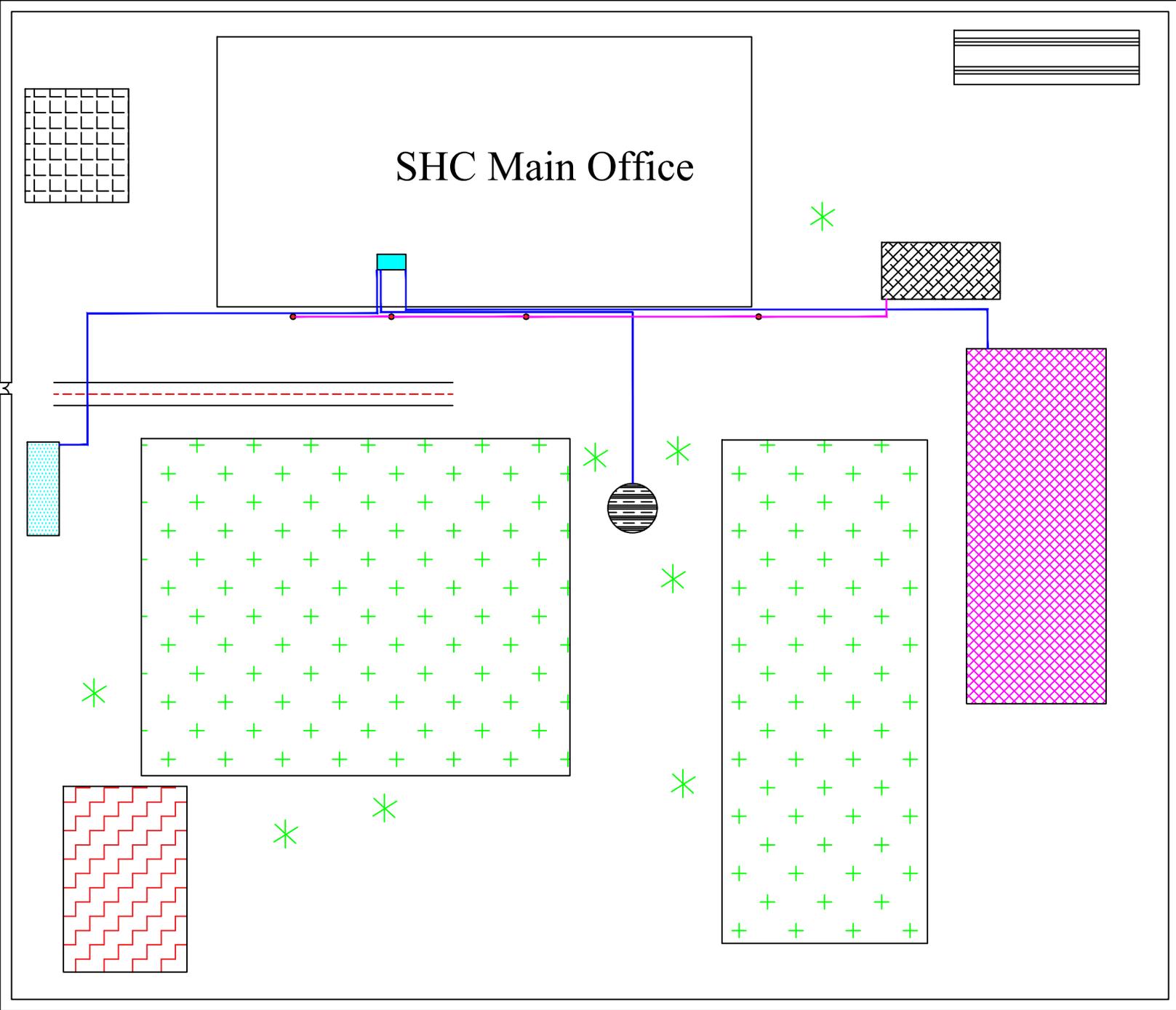


Site Plan

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 &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		 SCALE 1:100 (A3) CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar baraki	VILLAGE	KATILAY- SHC	DATE	MARCH-2024		

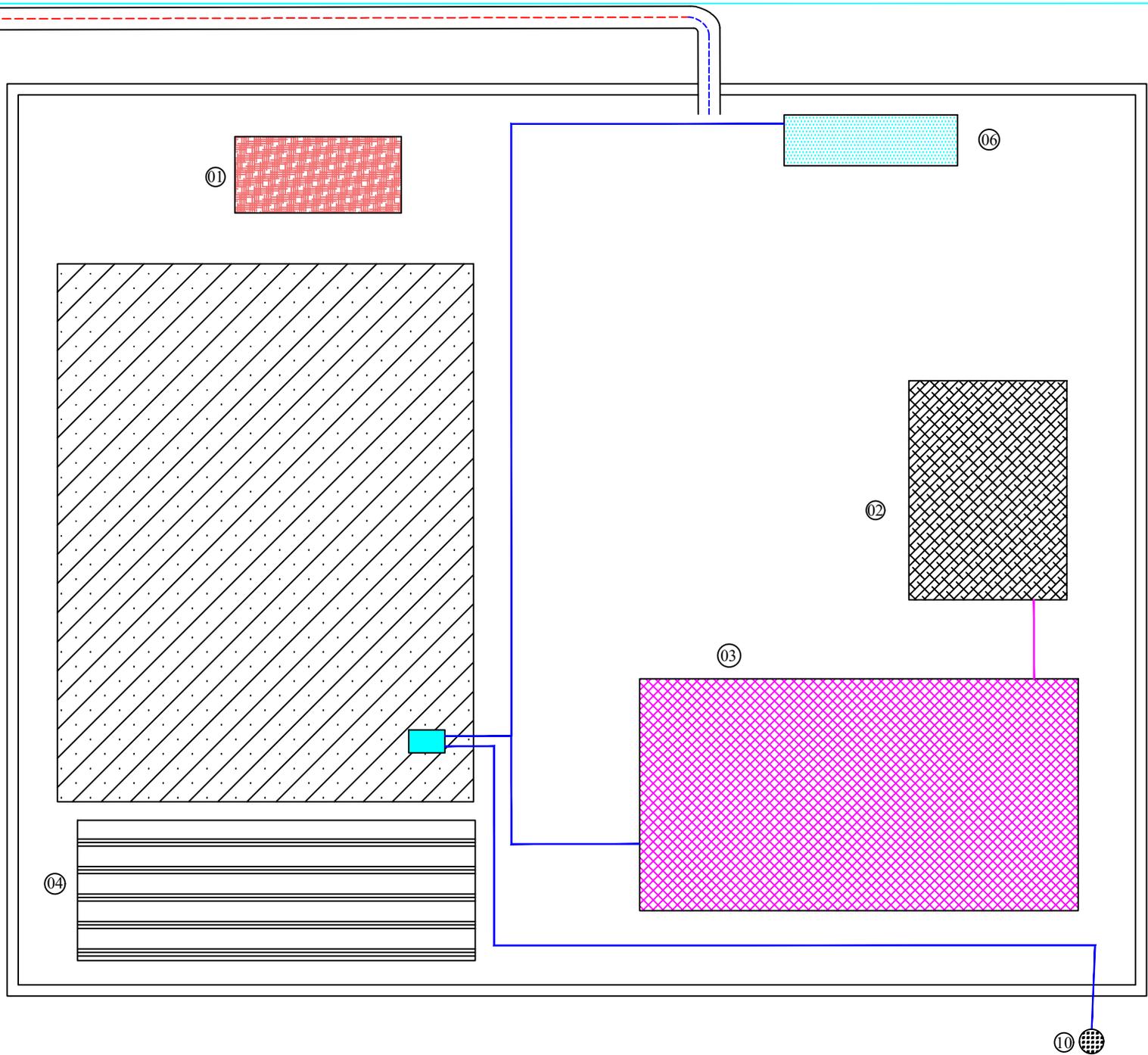


Site Plan

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 Reservoir
- 08 PE pipe 32mm
- 09 Septic Pipe
- 10 Well



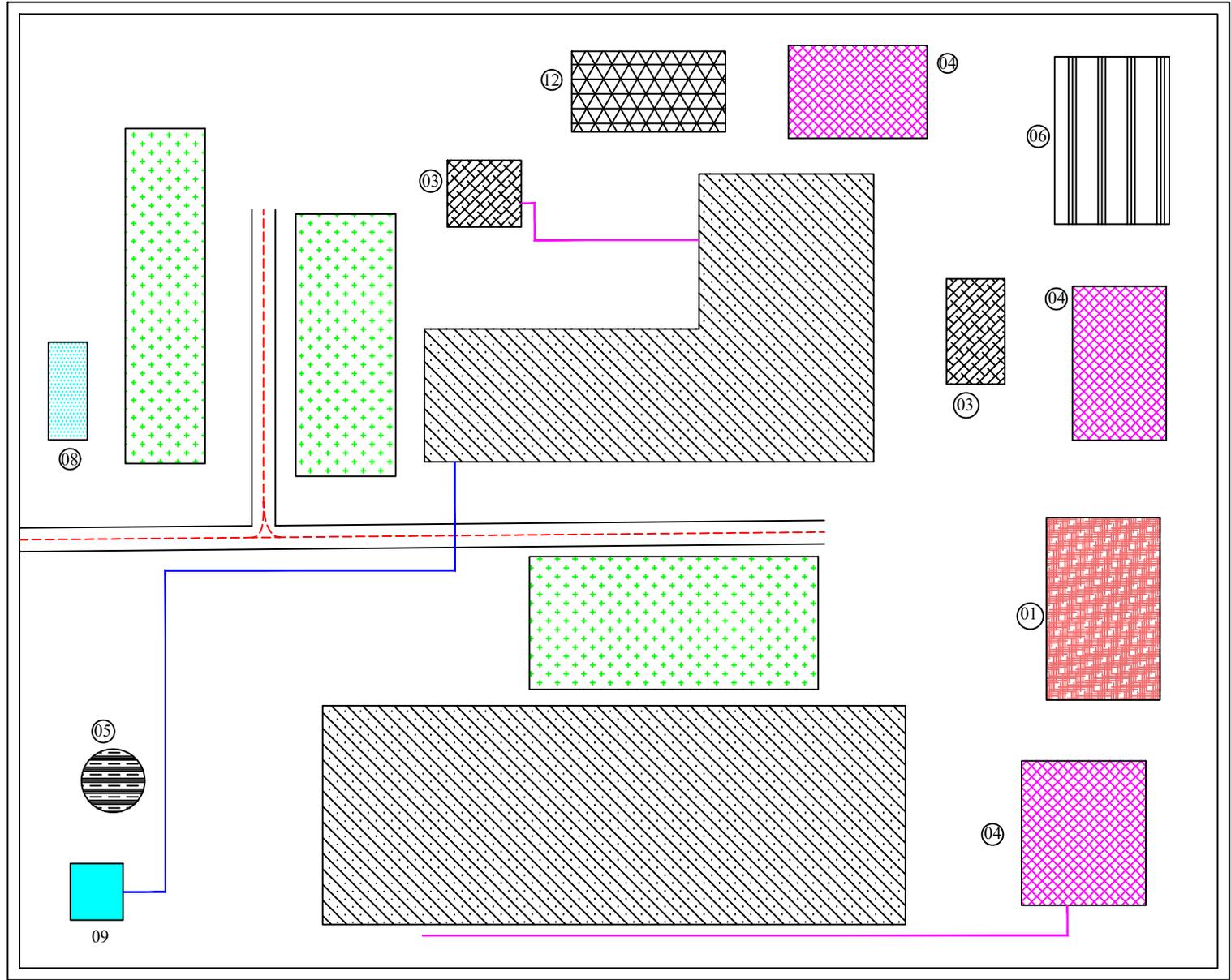
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DROWNEED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZYAN	SHEET NO	01		 <small>SCALE 1:100 (A3) CENTEMETERS</small>
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	Dwa kholi Nazian - BHC	DATE	MARCH-2024		



Site Plan

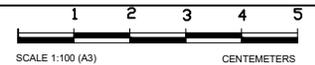
Survey Note

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



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

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		

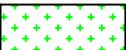
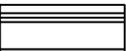


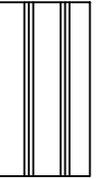
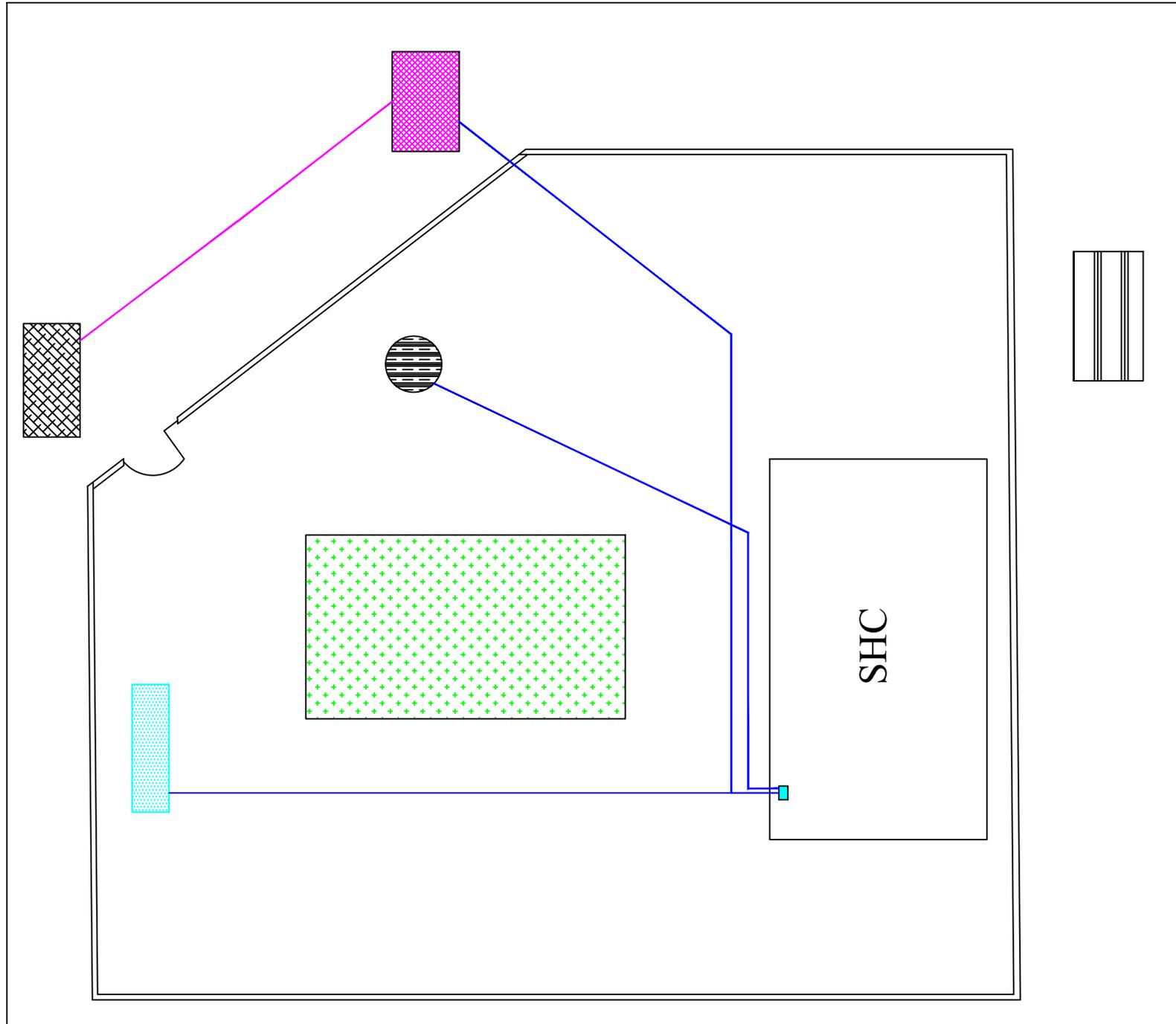


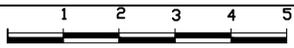
Site Plan

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



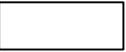
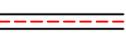
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DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		 SCALE 1:100 (A3) CENTEMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	Naser khail - SHC	DATE	MARCH-2024		

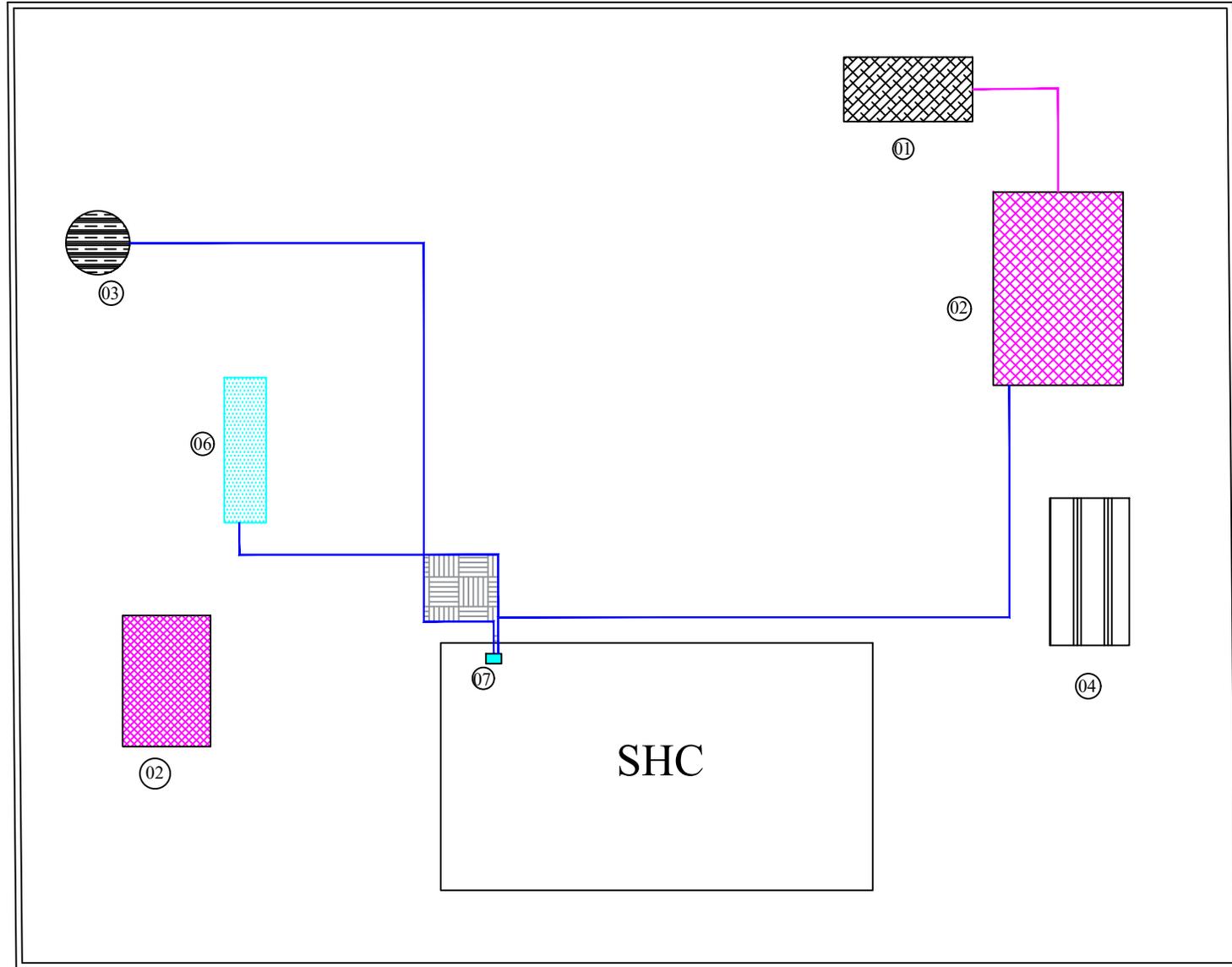


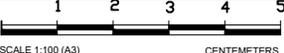
Site Plan

Survey Note

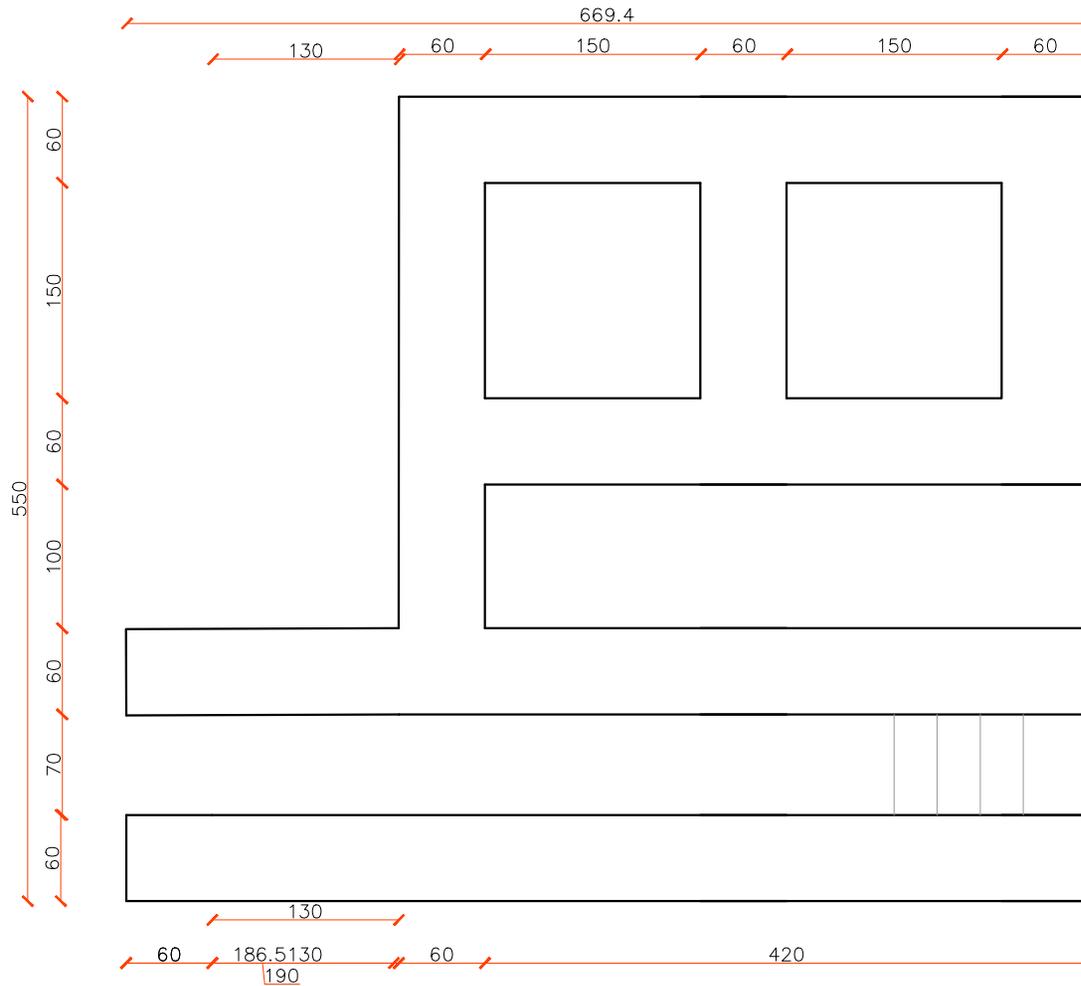
- 1- the location of component should be located in the side and health condition
- 2-the local latrine is not enough for the healthcare center.
- 3-the static level and dynamic level of bore well are taken from the away constructed bore well in the village, Static level=35m, Dynamic level=65m.
- 4-clinic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



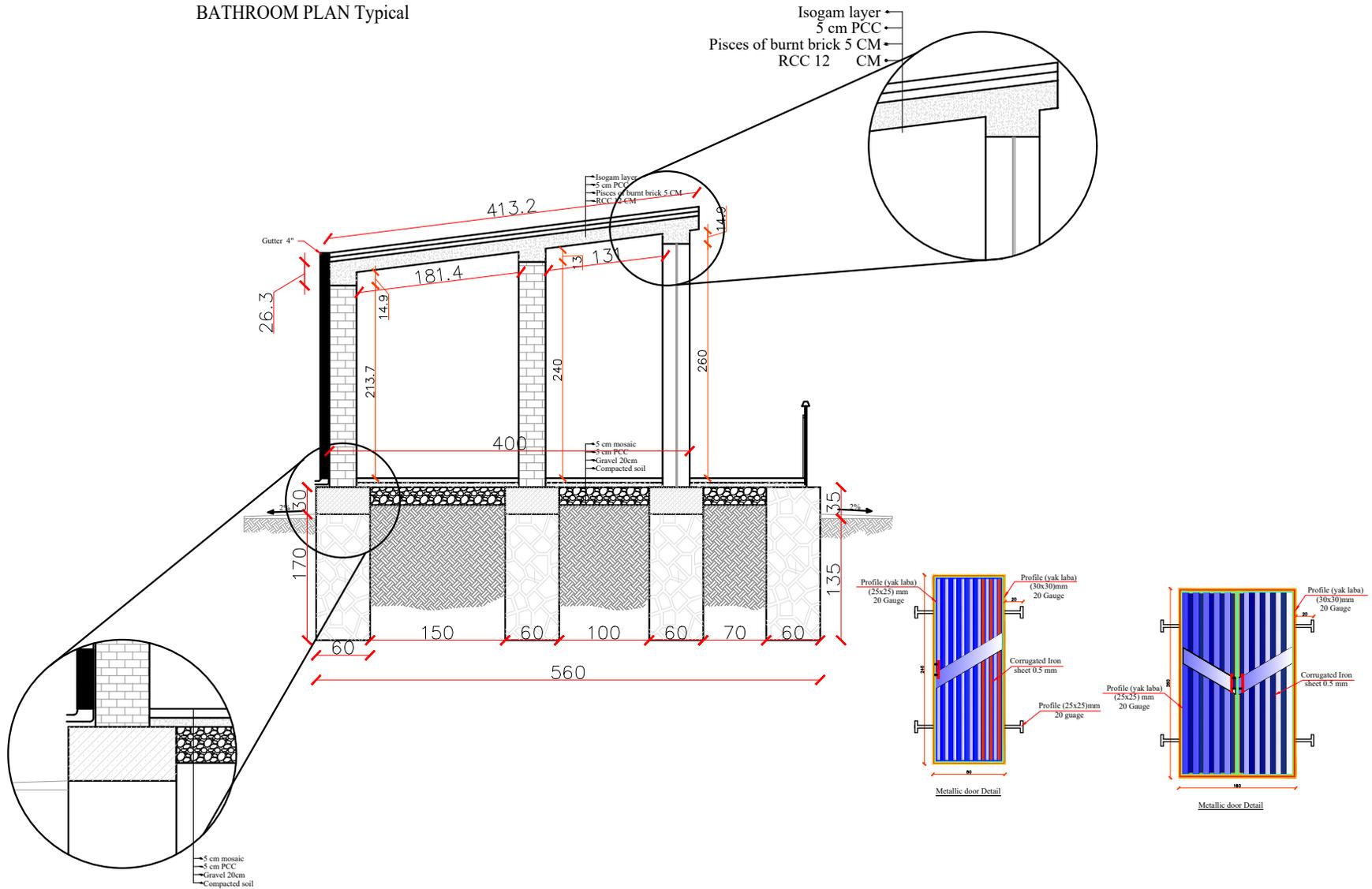
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DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr.Ahmad Mukhtar Baraki	VILLAGE	DOAB - SHC	DATE	MARCH-2024		

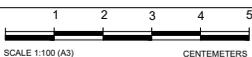
BATHROOM FOUNDATION PLAN, Typical



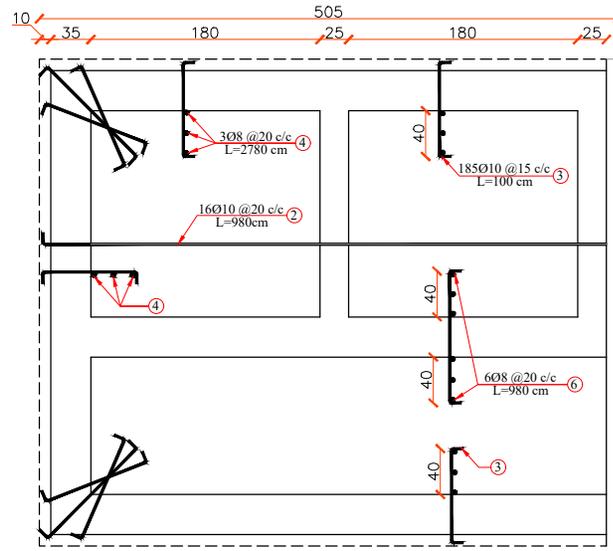
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DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar baraki	VILLAGE		DATE	MARCH-2024		

BATHROOM PLAN Typical

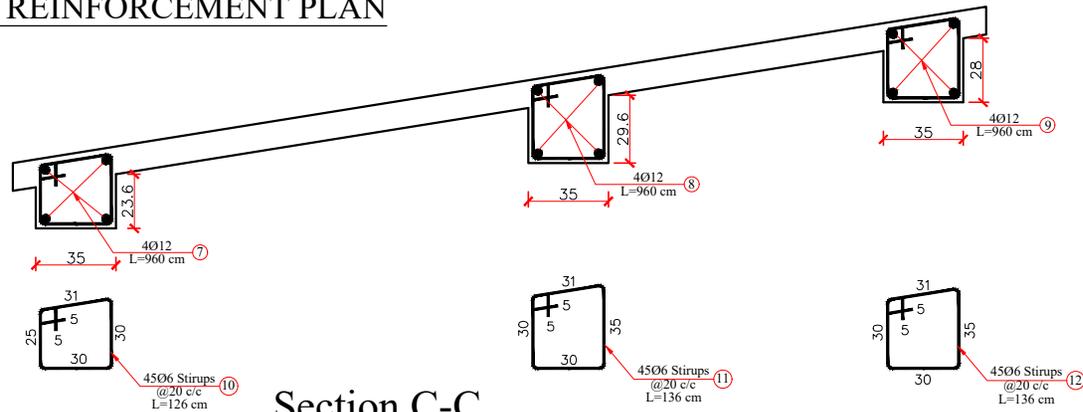


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DROWNED BY	ENG SAMIULLAH	REVIEWED BY	ENG AMANULLAH MIAKHIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

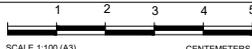
BATHROOM FOUNDATION PLAN, Typical



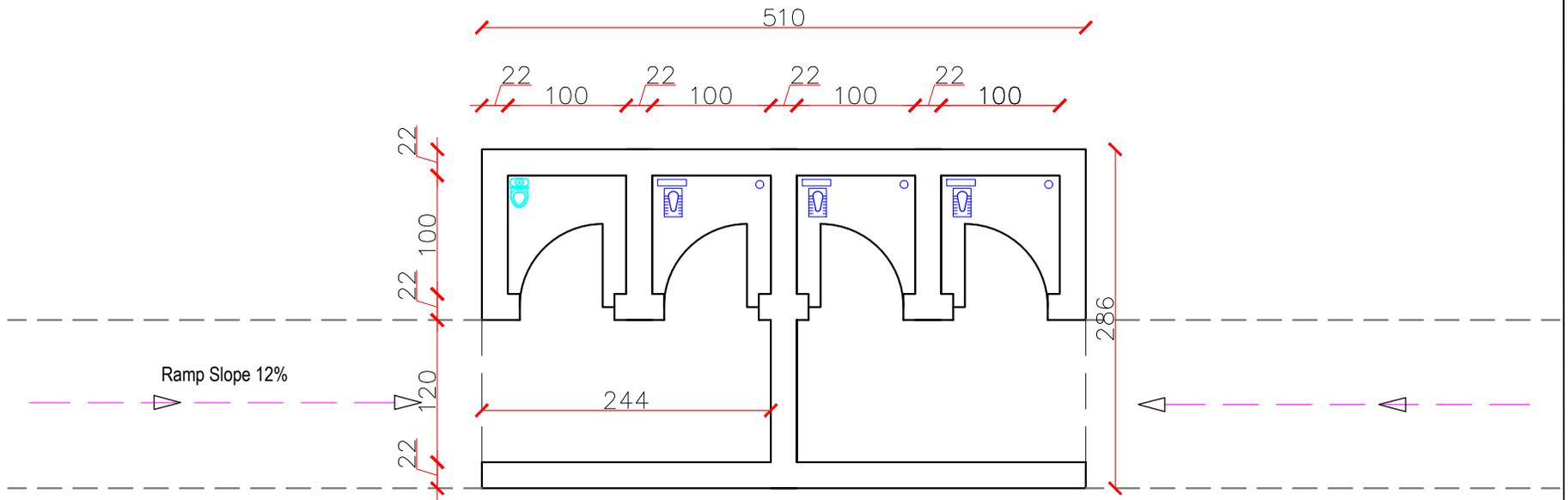
ROOF SLAB REINFORCEMENT PLAN



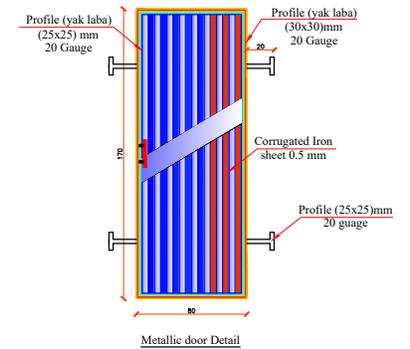
Section C-C

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

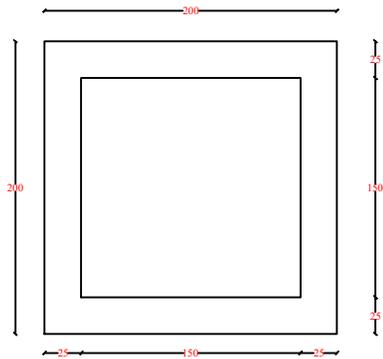


Note:
 the mentioned toilet need to repairing, the following work will done :
 1-All Walls will point
 2- Doors will replace
 3-the local latrine will change to toilet and water closet will install

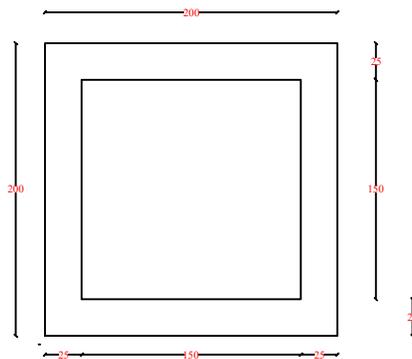


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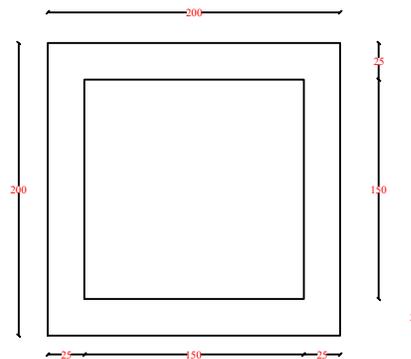
Sharp pit Plan



Placenta pit Plan

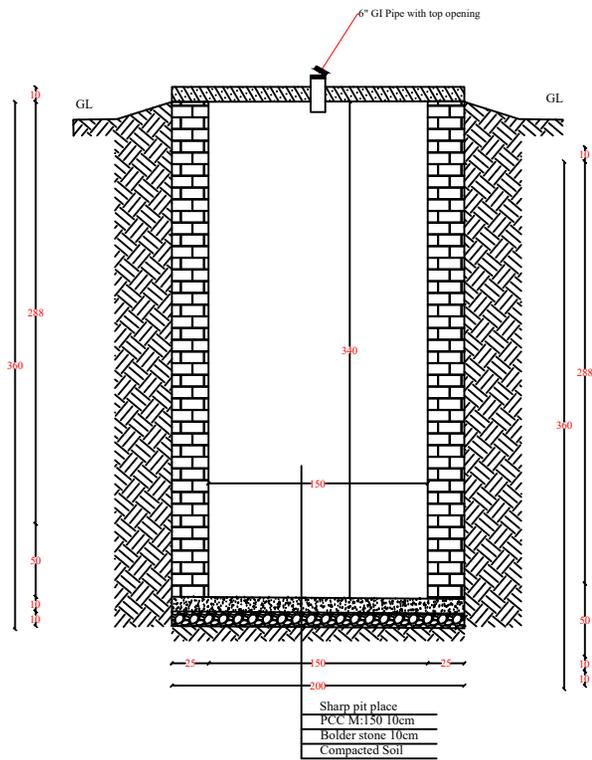


Ash pit Plan



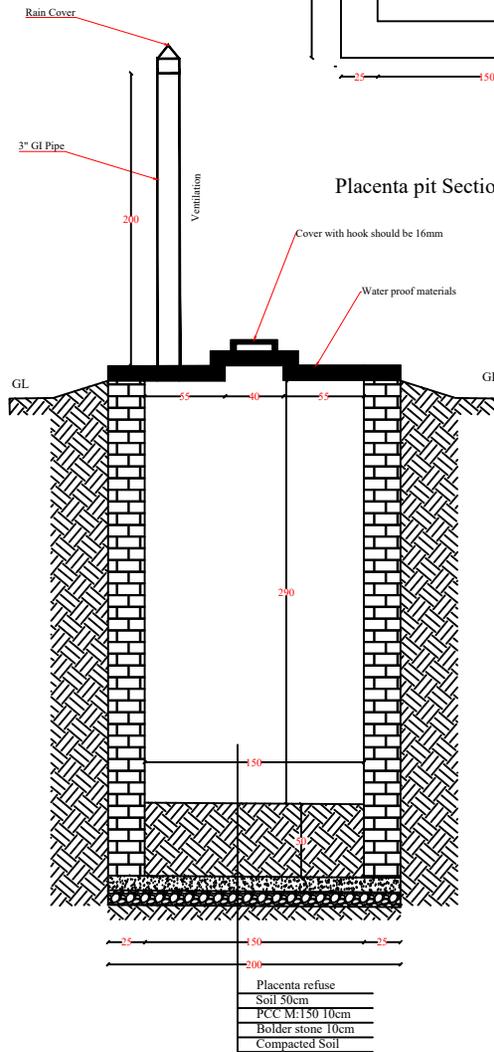
Typical

Sharp pit Section



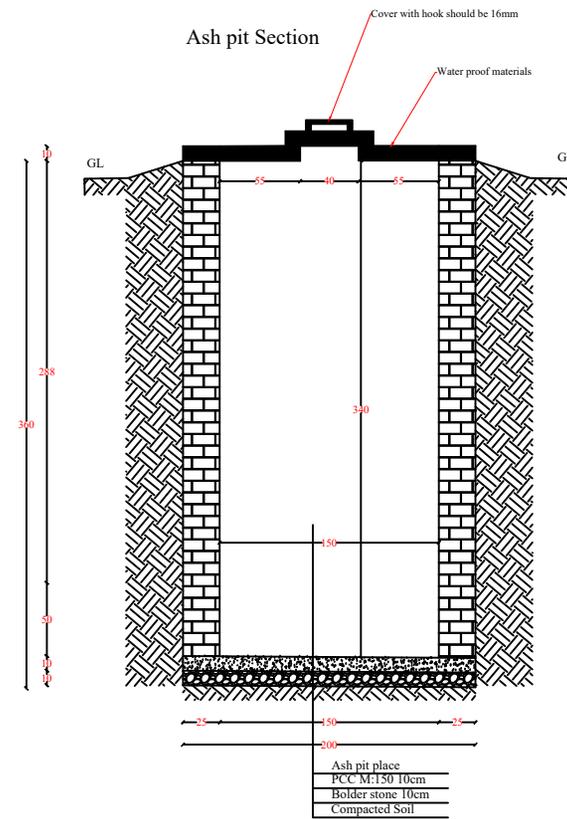
- Sharp pit place
- PCC M:150 10cm
- Bolder stone 10cm
- Compacted Soil

Placenta pit Section



- Placenta refuse
- Soil 50cm
- PCC M:150 10cm
- Bolder stone 10cm
- Compacted Soil

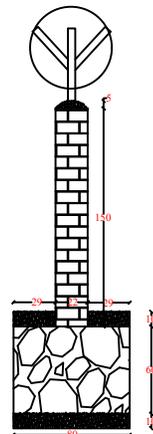
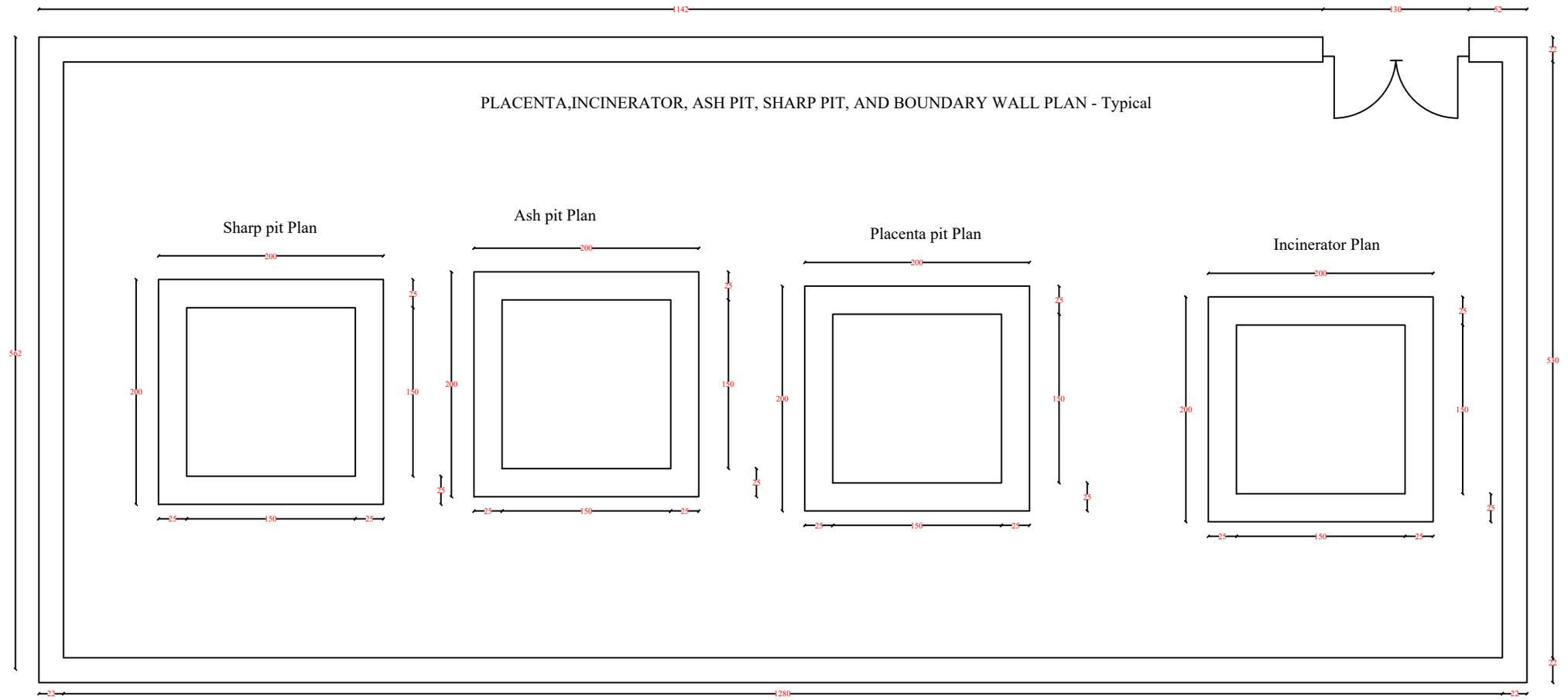
Ash pit Section



- Ash pit place
- PCC M:150 10cm
- Bolder stone 10cm
- Compacted Soil

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
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DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		

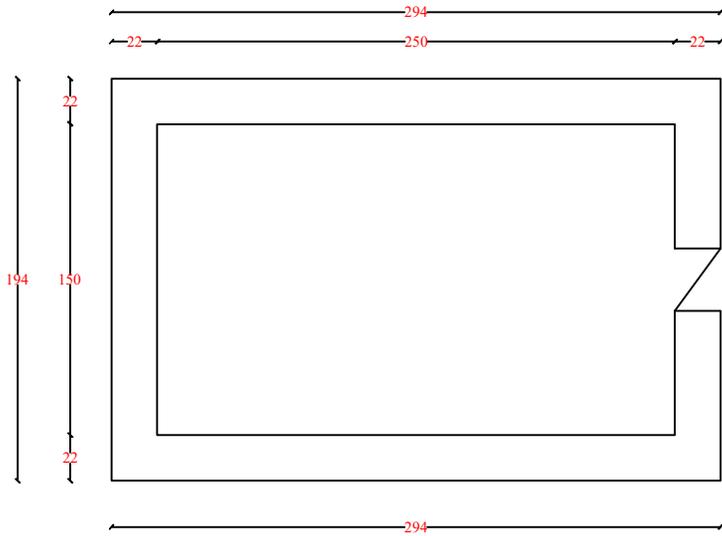
PLACENTA, INCINERATOR, ASH PIT, SHARP PIT, AND BOUNDARY WALL PLAN - Typical



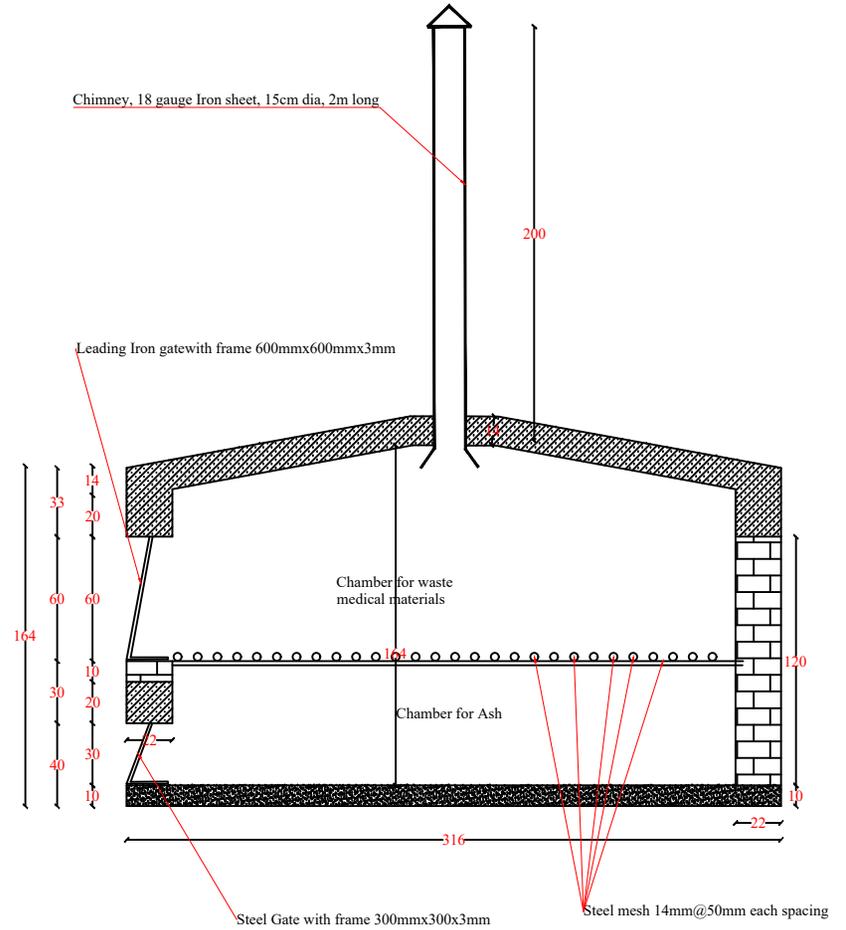
BOUNDARY WALL SECTION

SURVEYED BY	ENG. SAMIULLAH	CHECKED BY	ENG. AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN 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		

Incinerator, Typical

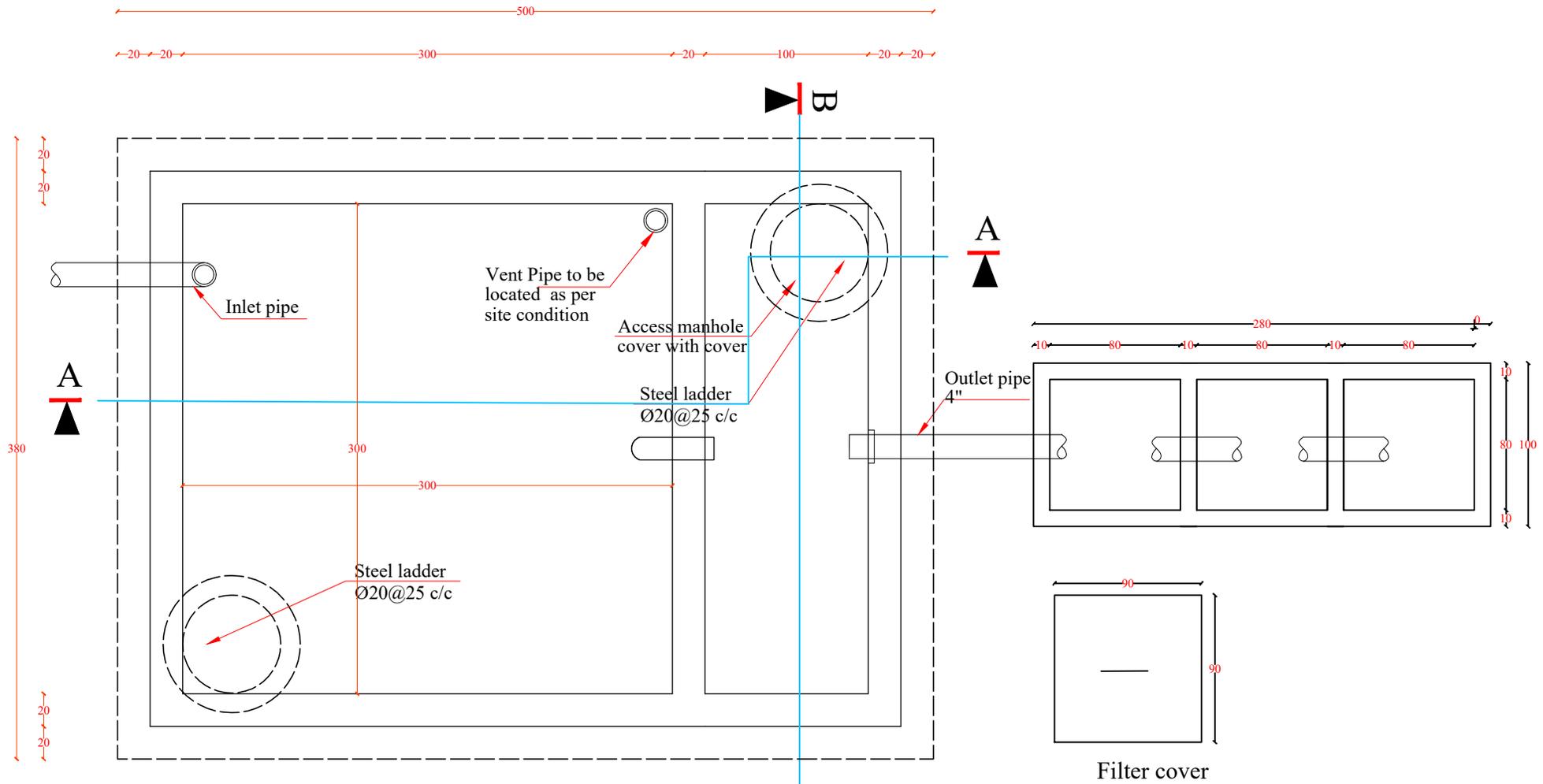


Incinerator plan



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DRAWN 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		

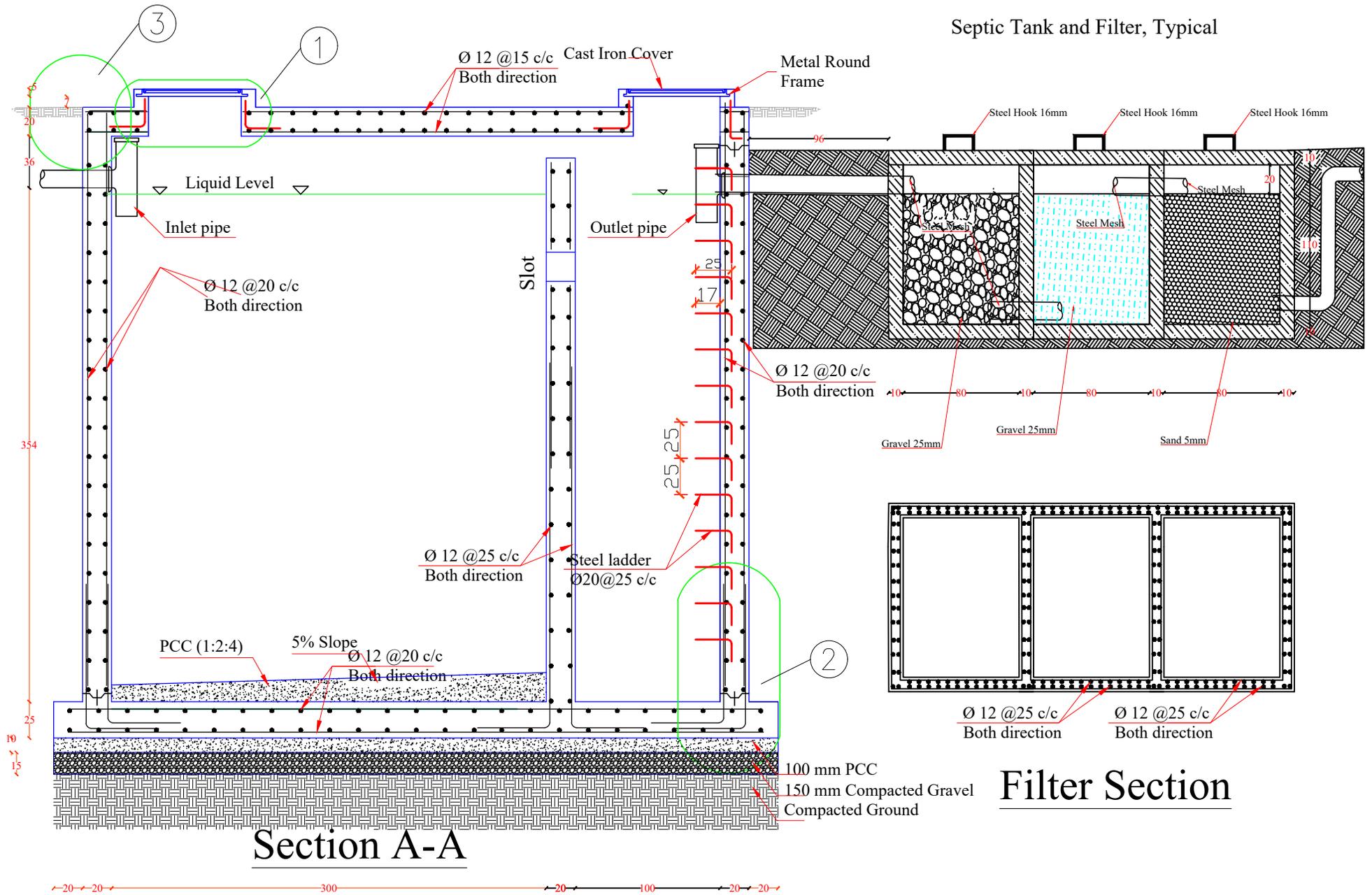
Septic Tank and Filter, Typical

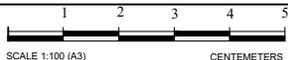


Septic Tank Plan

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN 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		

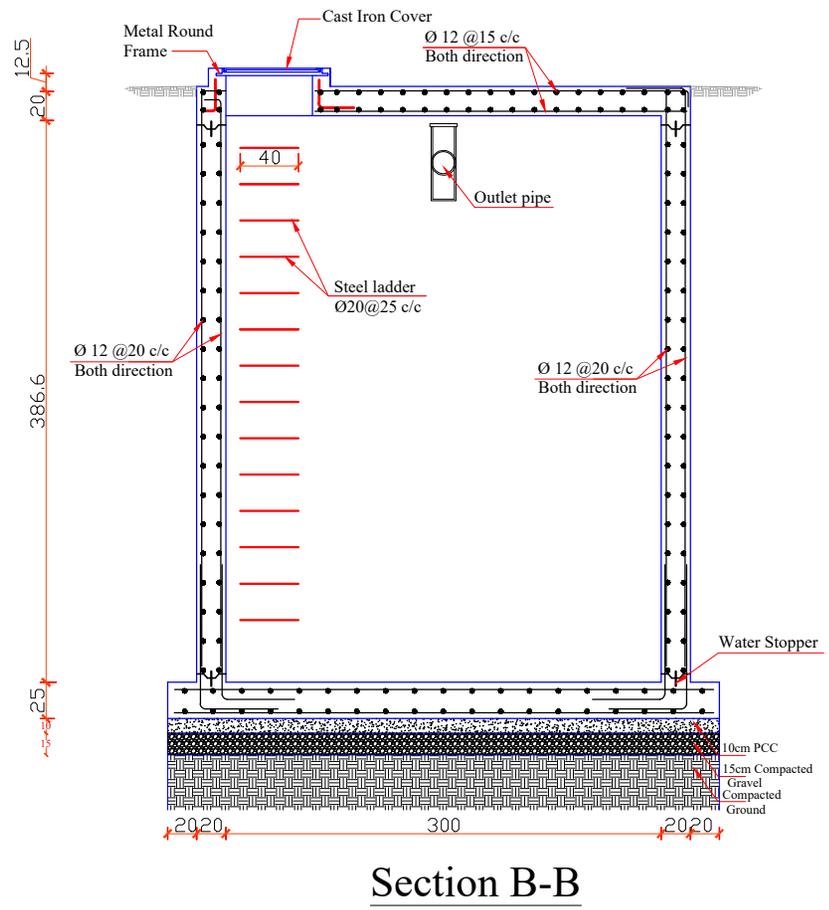
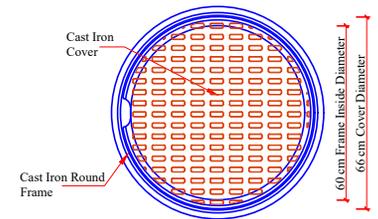
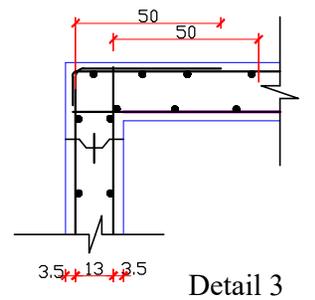
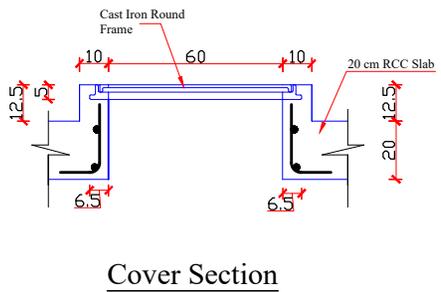
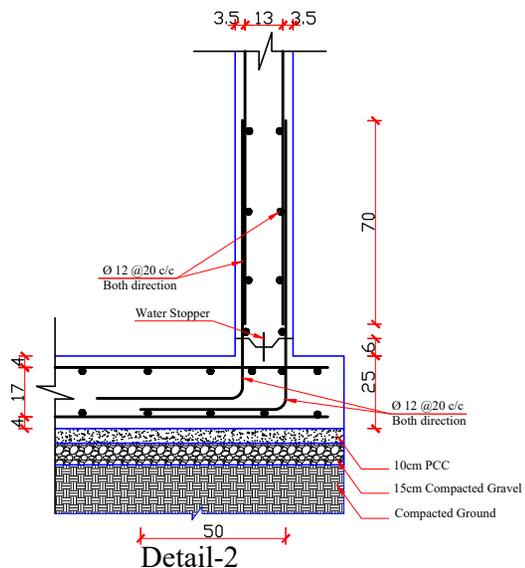
Septic Tank and Filter, Typical

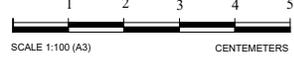


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DESIGNED BY	ENG. SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		



Septic Tank and Filter, Typical

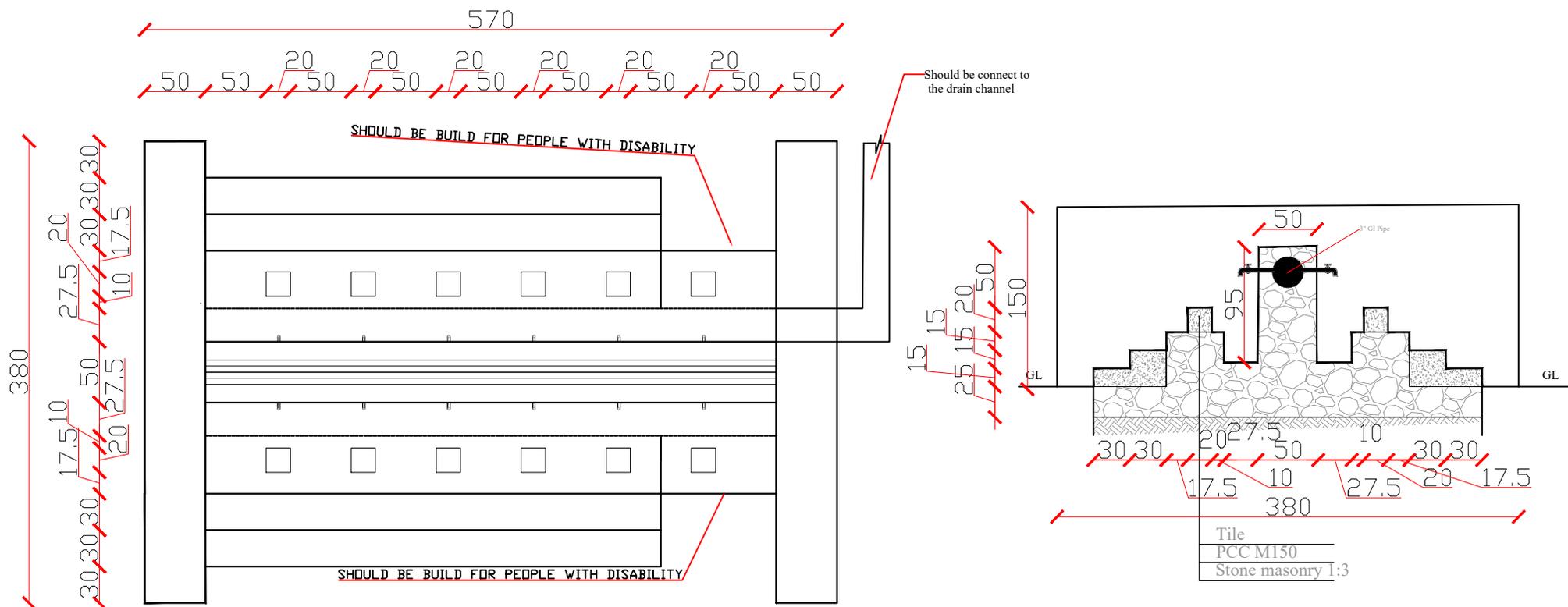


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DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIKHLIL	DISTRICT		SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE		DATE	MARCH-2024		



HAND WASHING STRUCTURE PLAN AND SECTION

Typical

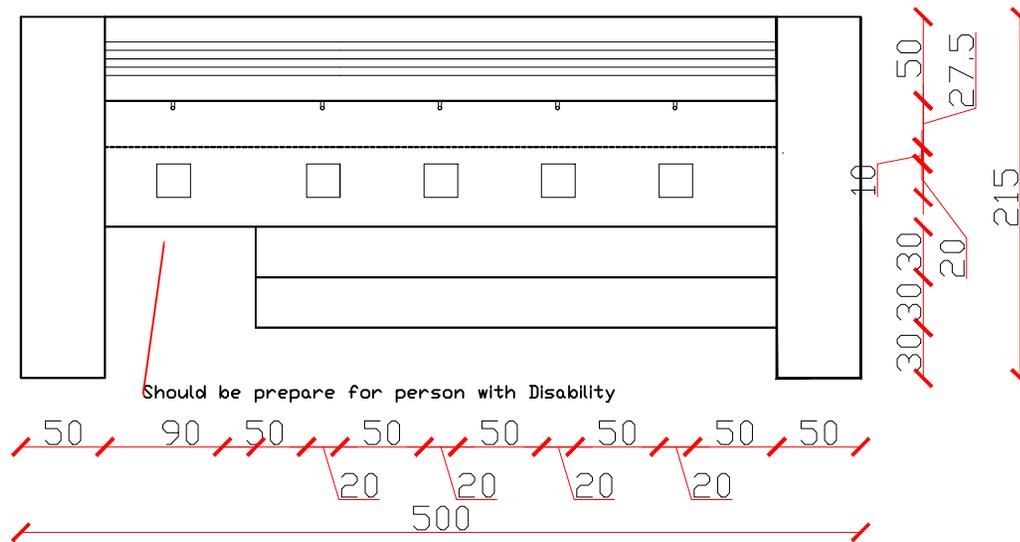


HAND WASH STRUCTURE PLAN

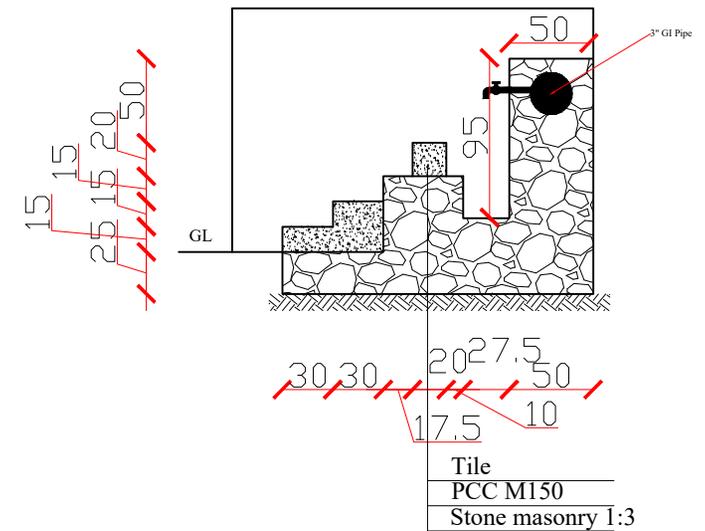
HAND WASH SECTION

SURVEYED BY	ENG. SAMIULLAH	CHECKED BY	ENG. AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN 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		

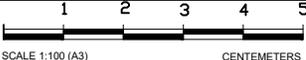
Hand Washing facilities Typical



HAND WASH STRUCTURE PLAN

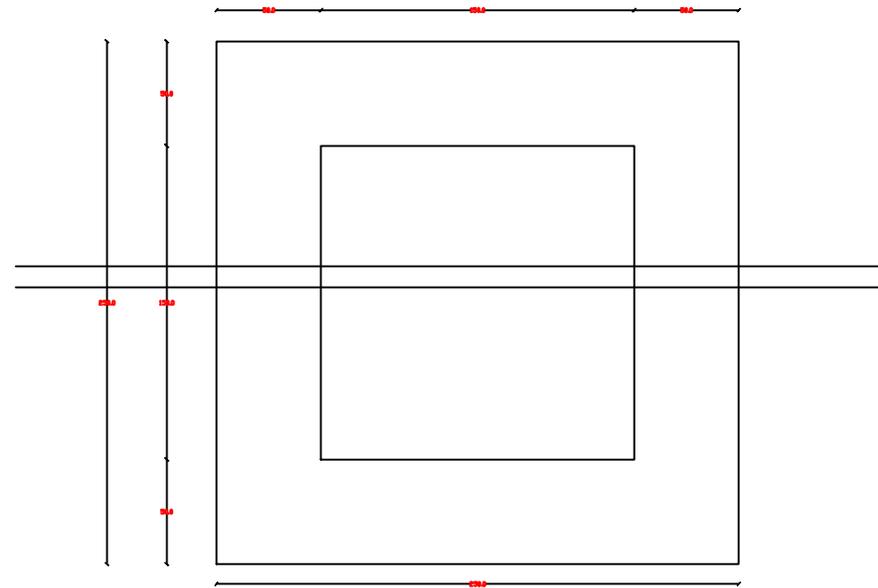
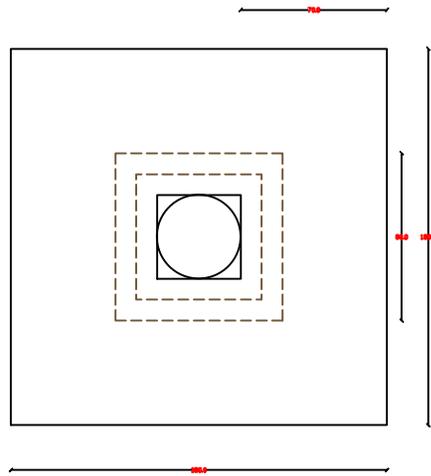


HAND WASH SECTION

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM - WASH
DRAWN 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		

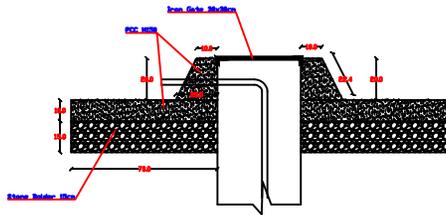
Valve Box, Ref No:14

Well Apron, Ref No:05

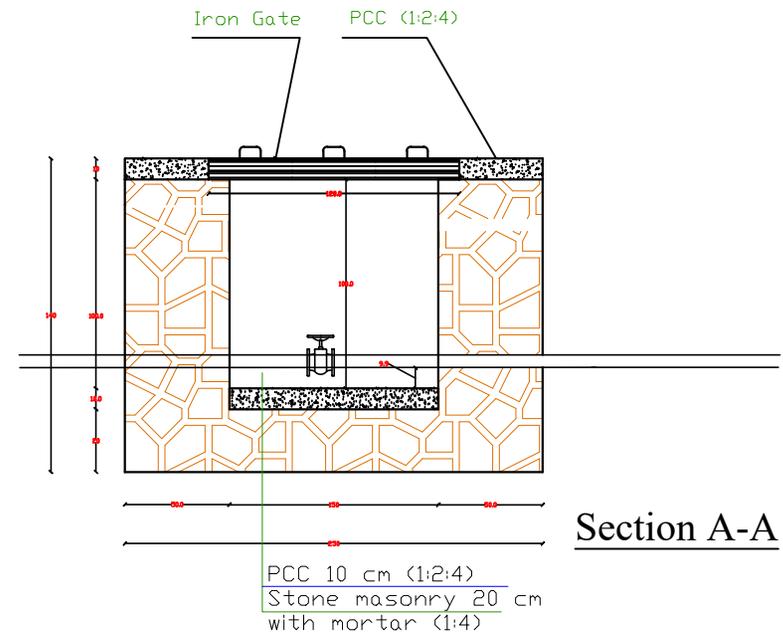


Note:

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



Well Apron Section

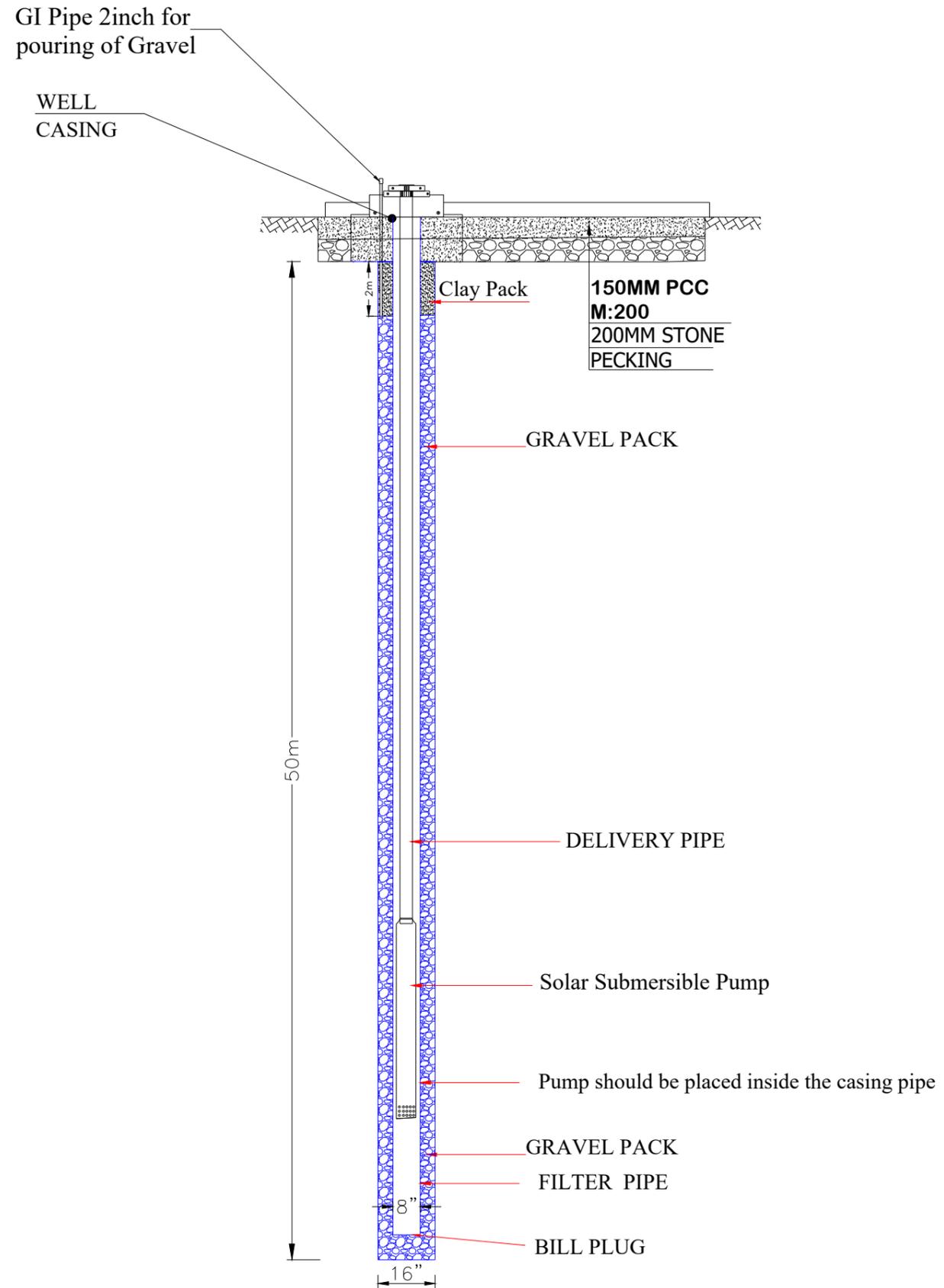


Section A-A

PCC 10 cm (1:2:4)
Stone masonry 20 cm
with mortar (1:4)

SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.HEDAYATULLAH AMIN	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNEED 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		

WELL SECTION



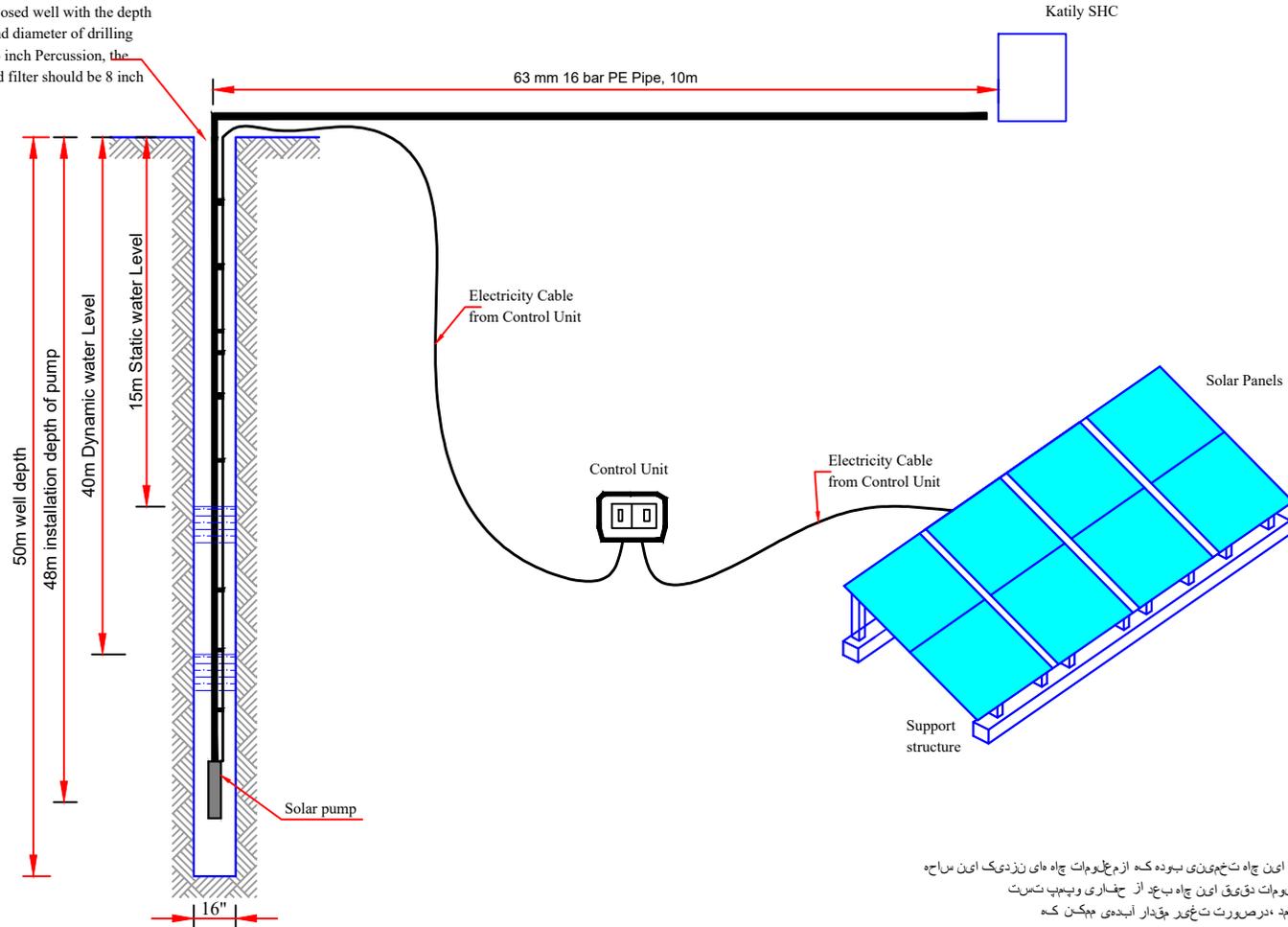
Notes

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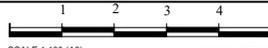
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01		 SCALE 1:100 (A3) CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE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

Typical Site plan of Solar pump system

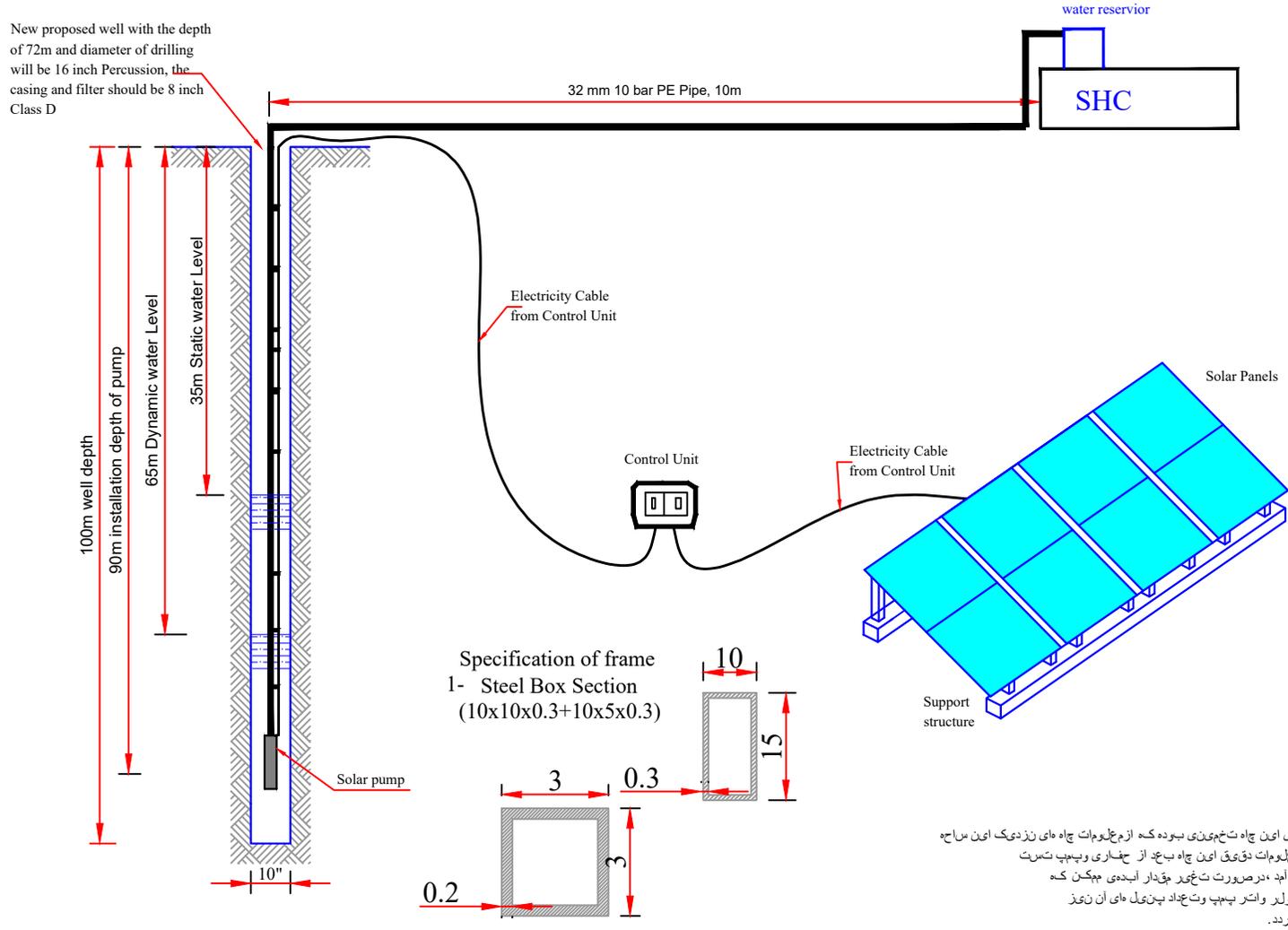
New proposed well with the depth of 50m and diameter of drilling will be 16 inch Percussion, the casing and filter should be 8 inch Class D



نوت:
 تمام ارقام برای این چاه تخمینی بوده که از معلومات چاه های نزدیک این سراج
 اخذ گردیده و معلومات دقیقی این چاه بعد از حفاری و پمپ تست
 آن بدست خواهد آمد، در صورت تغییر مقدار آبدهی ممکن که
 در مشخصات سولر وانتر پمپ و تعداد پنل های آن نیز
 تغییر رونما گردد.

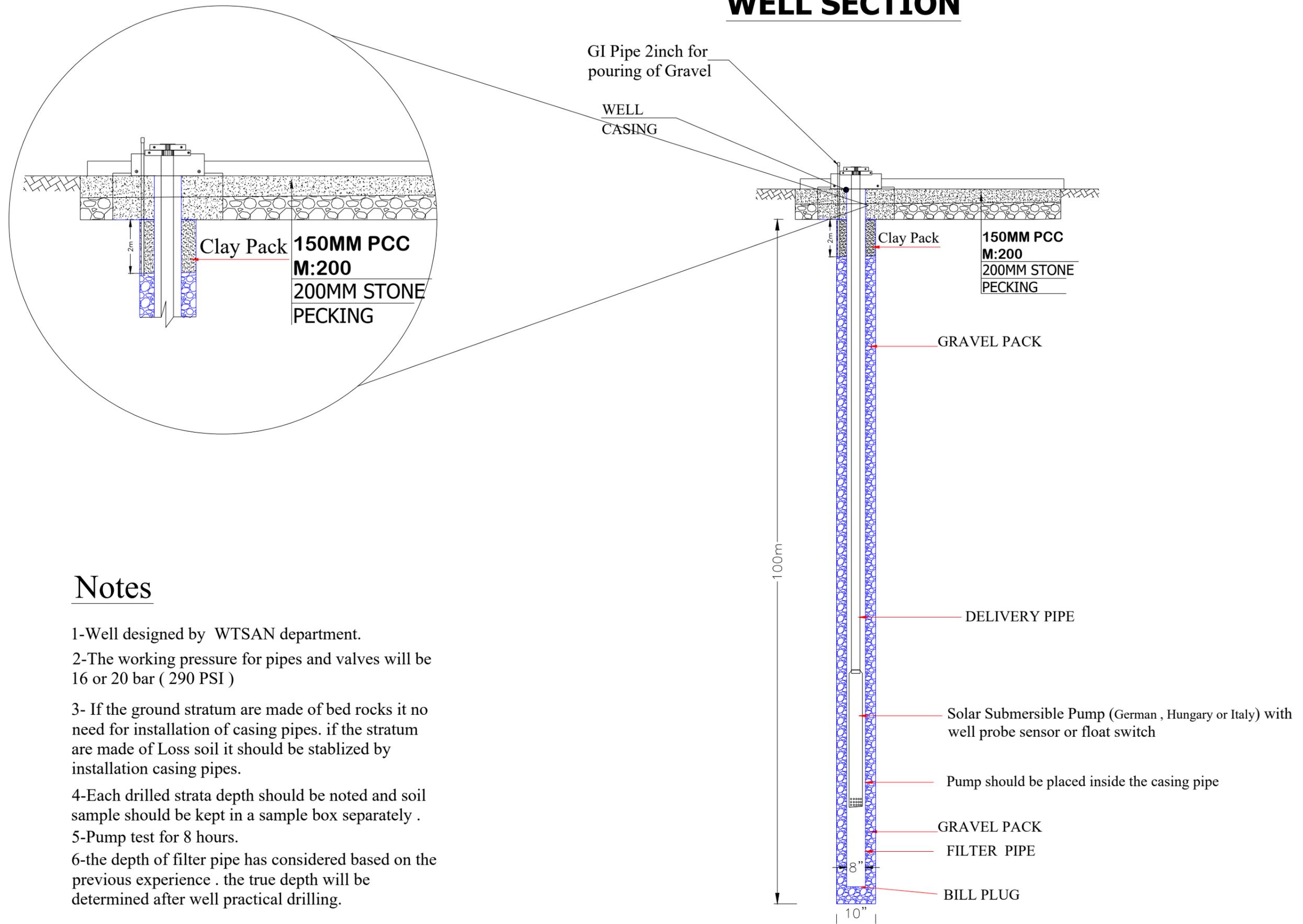
SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DRAWN BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	GHANIKHIL	SHEET NO	01		 SCALE 1:100 (A3) CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE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

WELL SECTION

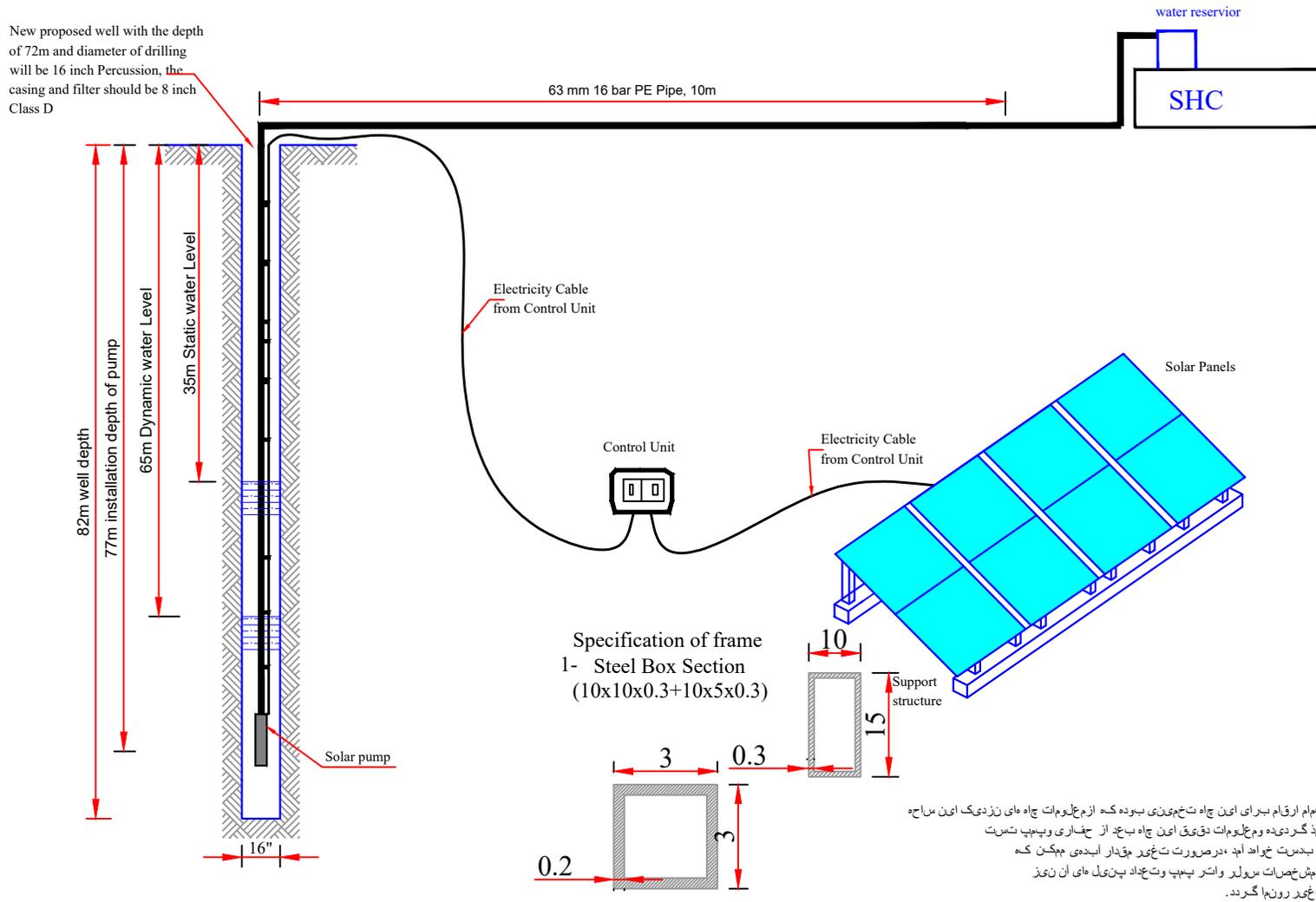


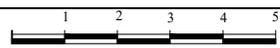
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SURVEYED BY	ENG.SAMIULLAH	CHECKED BY	ENG.AMANULLAH MIAKHIL	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	NAZYAN	SHEET NO	01		 SCALE 1:100 (A3) CENTEMETERS
DESIGNED BY	ENG.SAMIULLAH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

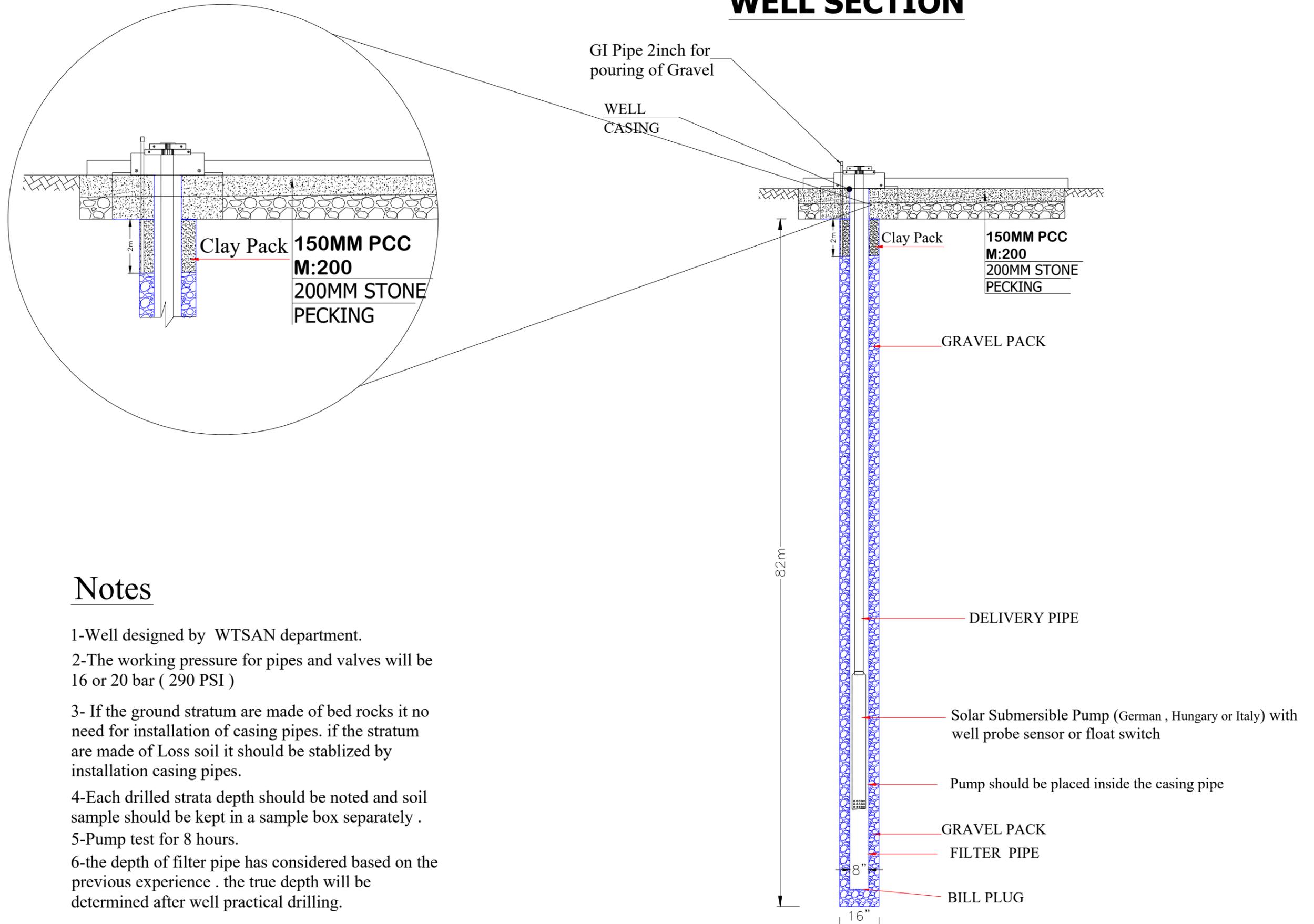
Typical Site plan of Solar pump system



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		 SCALE 1:100 (A3) CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	NASERKHIL- SHC	DATE	MARCH-2024		

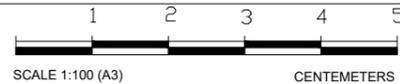


WELL SECTION

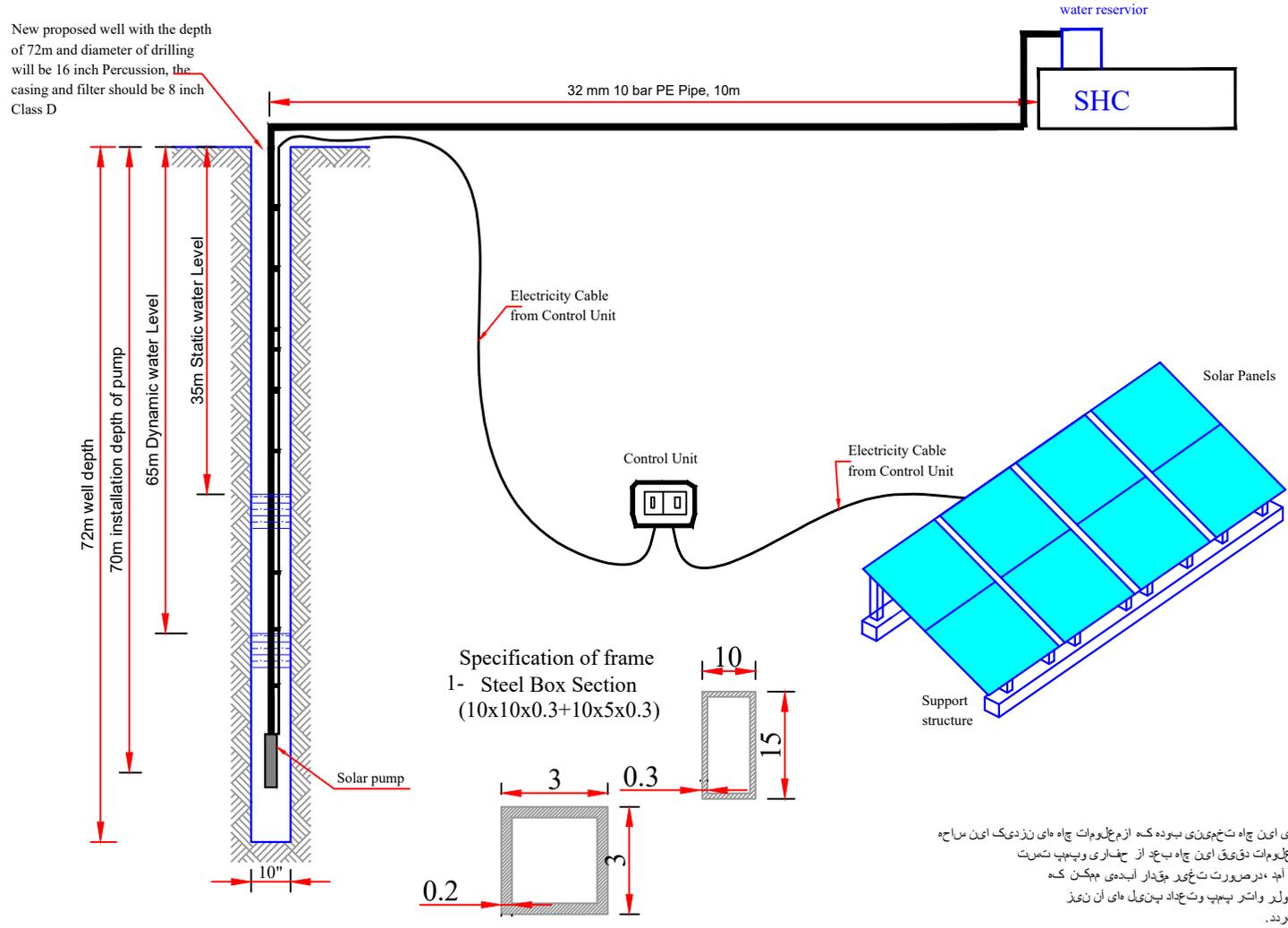


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SURVEYED BY	ENG.SAMIULLAH & KARIMUL HAQ	CHECKED BY	ENG.HEDAYATULLAH AMIN	PROVINCE	NANGARHAR	SCALE	AS SHOWN	PROJECT NAME	DAWAM
DROWNED BY	ENG.SAMIULLAH	REVIEWED BY	ENG.AMANULLAH MIAKHIL	DISTRICT	HESARAK	SHEET NO	01		
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY		VILLAGE	NASERKHIL- SHC	DATE	MARCH-2024		

Typical Site plan of Solar pump system

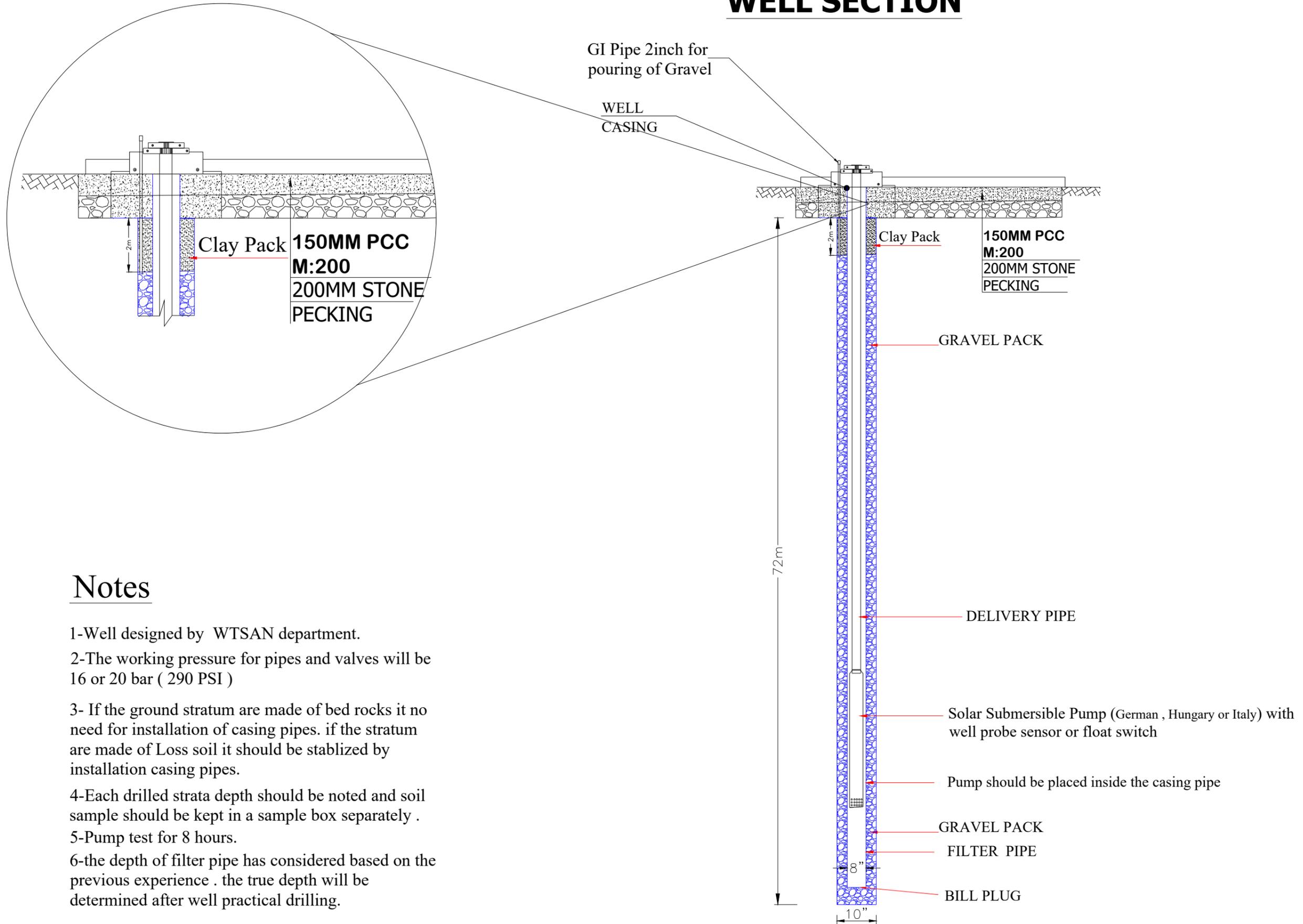


نوت:
تمام ارقام برای این چاه تخمینی بوده که از معلومات چاه های نزدیک این سازه اخذ گردیده و معلومات دقیق این چاه بعد از حفاری و پمپ تست آن بدست خواهد آمد، در صورت تاخیر مقدار آینده ممکن که در مشخصات سولر واتر پمپ و تعداد پنل های آن نیز تاخیر رونما گردد.

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) CENTIMETERS
DESIGNED BY	ENG.SAMIULLAH	APPROVED BY	Mr. Ahmad Mukhtar Baraki	VILLAGE	DOAB - SHC	DATE	MARCH-2024		

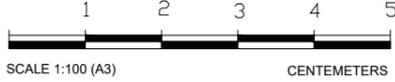


WELL SECTION



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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		