

DRAWINGS

AS- BUILT & NEW STRUCTURES

PASABAND, GHOR, AFGHANISTAN

Identified Gaps for Existing WASH Services in Nawrak SHC:

- The building water supply system and the waste water system are damaged and need to fundamental repairing
- The existing latrines are not safe from the hygienic view and it makes the clinic site smell bad and it's pits are the safe and secure place for germs and flies.
- The water supply system of the clinic is from the existing bore well which can't provide the needed amount of water to the clinic because it's shallow by depth of 14m, they need a new and stable water source
- There is not any hand washing facility in all clinic rooms
- The HCF rooms & corridor floors are made from mosaic tile 30x30cm
- There is not any protected waste management system in the HCF field and they are using from a metallic stow for burning the wastes, the waste pits are not protected and the direction of the smoke is north to south that is the direction of wind blowing which is harmful to shopkeepers and clinic staff and patients

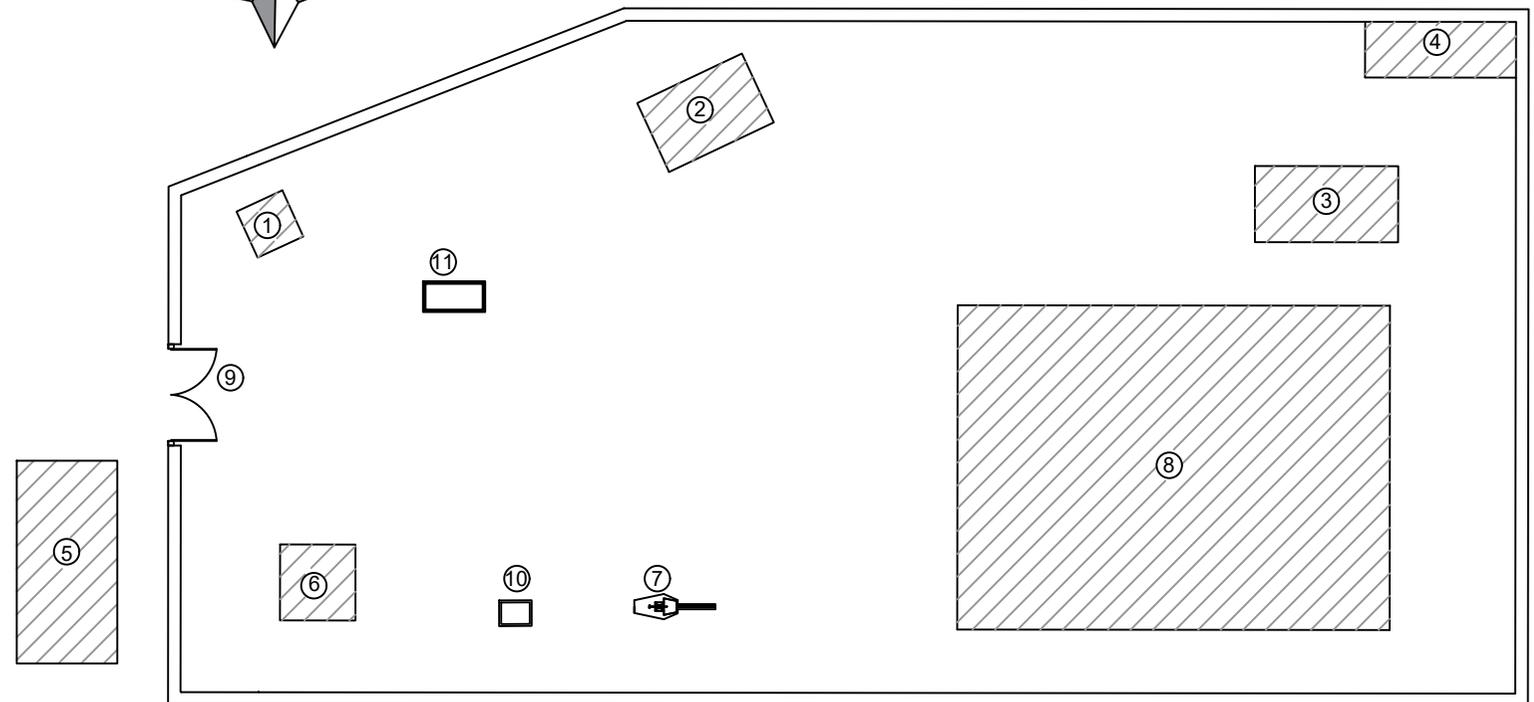
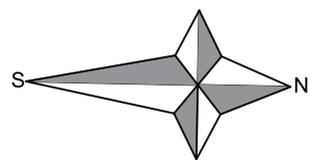
Solution:

- Repairing of the HCF plumbing system like; plumbing the hot and cold water from the water sources to the sinks and directing the waste water to septic tank
- Changing the latrines to toilets by demolishing the latrine floors and fill the pits with compacted soil of two pair double flush toilets with all needed material in the clinic site for male and female (staff and patients) for more detail refers to BoQ
- Construction of a bore well in the clinic site by depth of 40m to prepare safe, clean and a constant water quantity for the clinic
- Installation of the sinks for all rooms for hand washing facility
- The clinic rooms and hall floors are made by mosaic tiles(30x30)cm and after demolition it should be worked with same mosaic tiles to avoid dichotomy
- We considered a waste management structure for the clinic and we changed the structure palace from northern side to southern to avoid air pollution in the clinic
- We considered sinks for hand washing facility in the clinic hall 2 sinks total one for male and other for female staff and patients
- construction a public tap-station

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|  | TASK & RESPONSIBILITIES | | DATE |  | PROVINCE | Herat | SCALE | - | PROJECT SUB TITLE | Major maintenance of HCF-WASH sector |
| | SURVEYED BY | Musleh, Farjad | 21-07-2024 | | DISTRICT | Adraskan | START DATE | - | DRAWING TYPE | - |
| | DRAWN BY | M.Ismael | 23-07-2024 | | HCF NAME | Sherzad | END DATE | - | E | 62°52' 7.269" |
| | REVIEWED BY | Hekmatullah Arefzai | - | | HCF TYPE | BHC | PROJECT TITLE | FCDO-DAWAM | N | 33° 35' 53.515" |
| | APPROVED BY | Simon Wankuru | - | | | | | | | |

TABLE OF CONTENT FOR GENERAL PLAN

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| 1 | Nawrak HCF existing generator room dimension (2x2)m |
| 2 | Nawrak HCF existing latrines considered into toilets by installing flash tank and W/C |
| 3 | Septic tank pre-constructed and it should be changed to absorption tank because there isn't any evacuation facility in the site |
| 4 | Existing Waste management but it is not functional because the smoke of burning wastes is harmful to people and the incinerator smoke affects staff and patients because of it's direction form north to south it must be changed to a farther place |
| 5 | New planned waste management system with two pits for placenta and sharps |
| 6 | Guard room dimension (3x3)m |
| 7 | Existing unprotected water well but it's not functional if we consider the solar-gravity pipe scheme for the clinic we need to drill a new bore well |
| 8 | Nawrak SHC main building |
| 9 | Clinic compound entrance gate |
| 10 | New bore well by depth of 40 m |
| 11 | New tap-station |



NAWRAK SHC GENERAL PLAN



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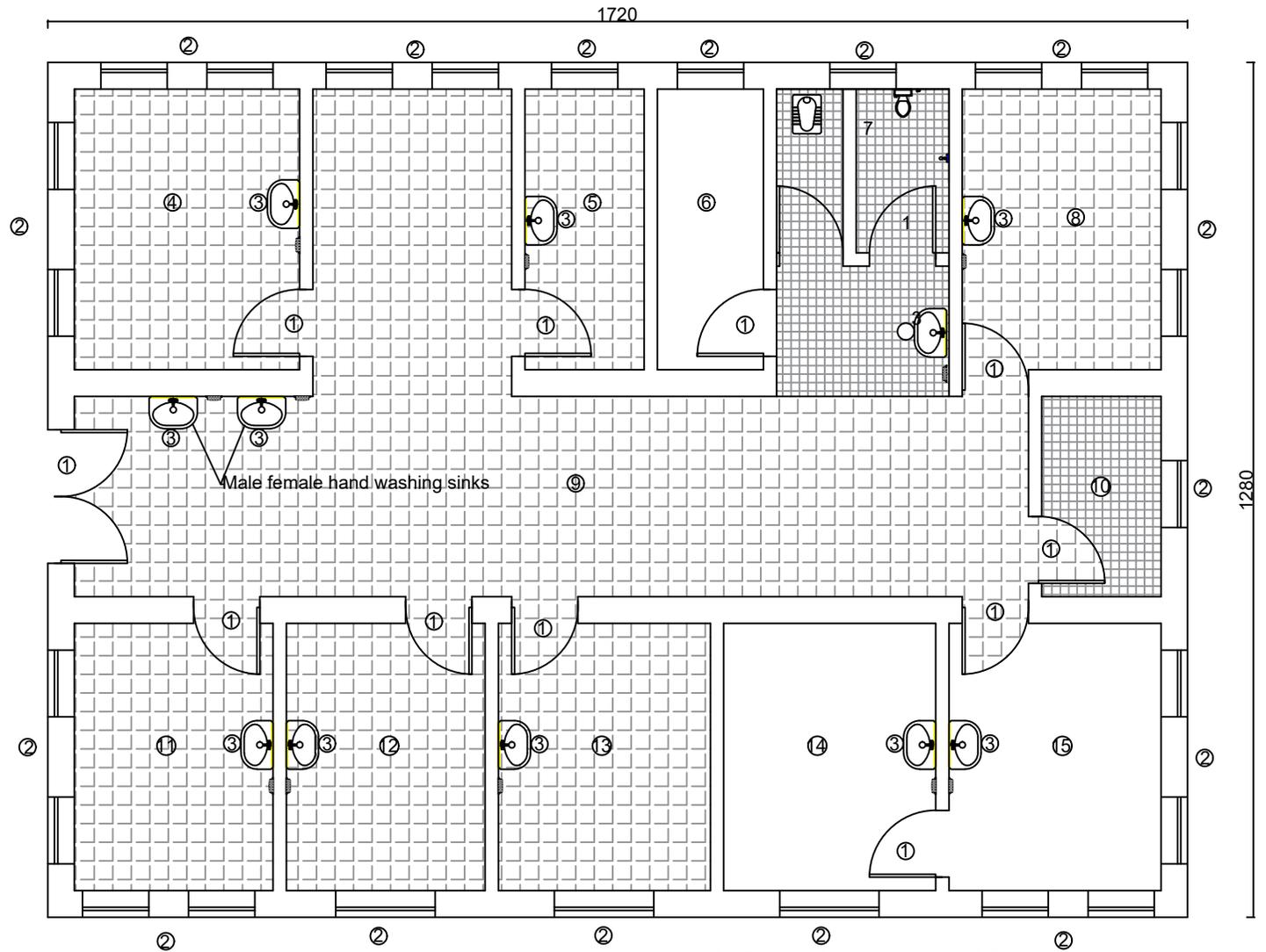
TABLE OF CONTENT FOR BUILDING PLAN

| | |
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| 1 | Doors |
| 2 | Windows |
| 3 | Sink complete sit with mirror |
| 4 | Bandage room (4.2x3.4)m |
| 5 | Female waiting room (4.2x1.8)m |
| 6 | Stock (4.2x1.6)m |
| 7 | New Bathroom & toilet (2.5x1.4)m |
| 8 | Malnutrition consultation room (4.2x3)m |
| 9 | Corridor (14x3)m & (2x3)m |
| 10 | Kitchen (2x3)m |
| 11 | OPD room (3x4)m |
| 12 | Vaccination room (3x4)m |
| 13 | TSFP room (3x4)m |
| 14 | Delivery room (4.2x3)m |
| 15 | After delivery room (4.2x3)m |

TABLE OF CONTENT FOR Tile and ceramic PLAN

New ceramic planed area

New Tile planed area



Nawrak HCF Tile and Ceramic BUILDING PLAN

Note:

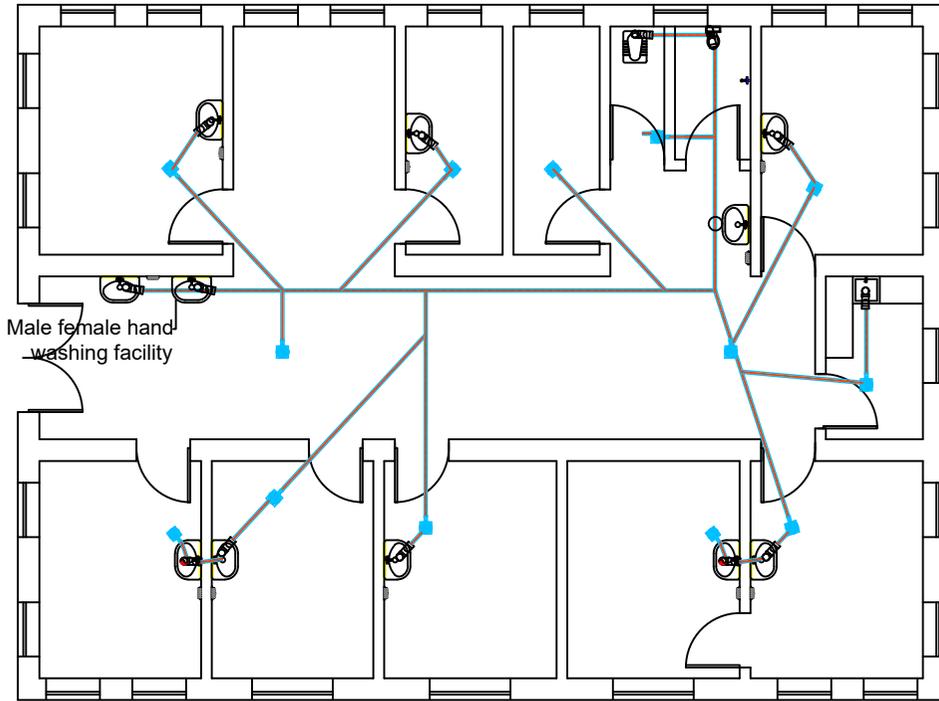
- All dimension are in centimeter, unless otherwise noted
- The sinks must be installed which is numbered in the plan by 3 in total there is 11 sink in the drawing which 4 of them are permanently installed and we need to install 7 remained hand washing sinks in the clinic

- The clinic rooms and hall need to be covered with ceramic & tiles for easy cleaning and washing purpose
- The ceramic and tile hatched areas are under plan to be install ceramic and tile
- The walls of tap-station will cover with tile

The clinic rooms and hall floor are mosaic tiles (30x30)cm



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NAWRAK HCF WASTE WATER DRAINAGE PLANNED SYSTEM

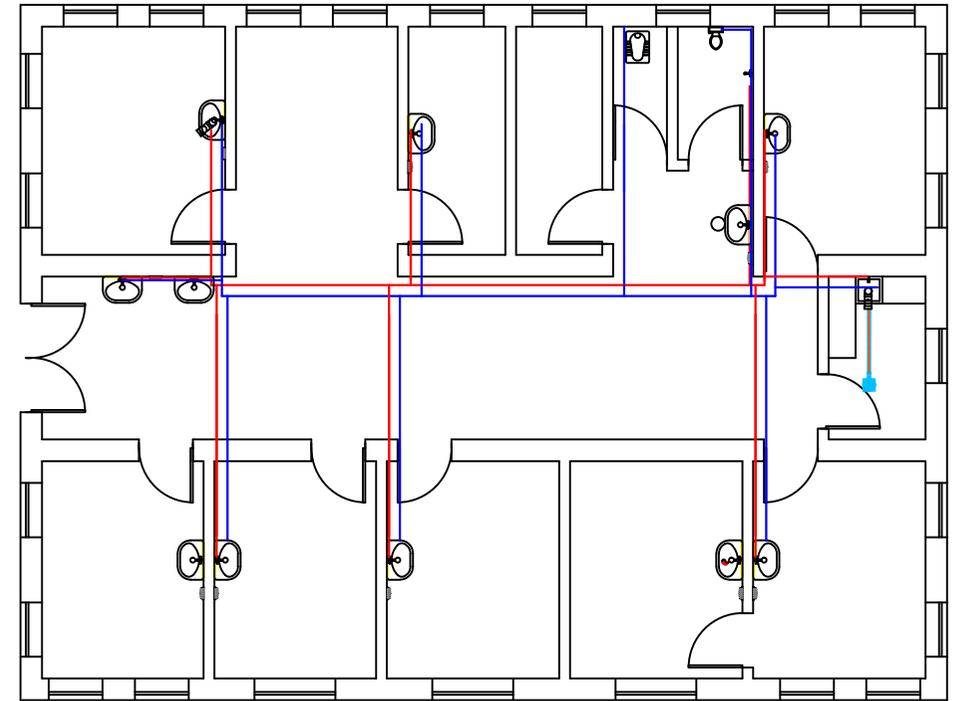
Note:

■ This form indicates swab

⊠ This form indicates siphon

- The entire drainage system considered for repairing

- The drain pipes contain (2,3,4)inch pipes as for specifications 2" pipes are the sinks and floor drains distributions, 3" pipe is for collecting waste water from sinks and floor drains and the 4" pipe is the main collector pipe that is collecting all waste water from the sources to the septic tank for more information search in BoQ



NAWRAK HCF WATER SUPPLY PLANNED SYSTEM

Note:

—Red color line indicates hot water pipe line

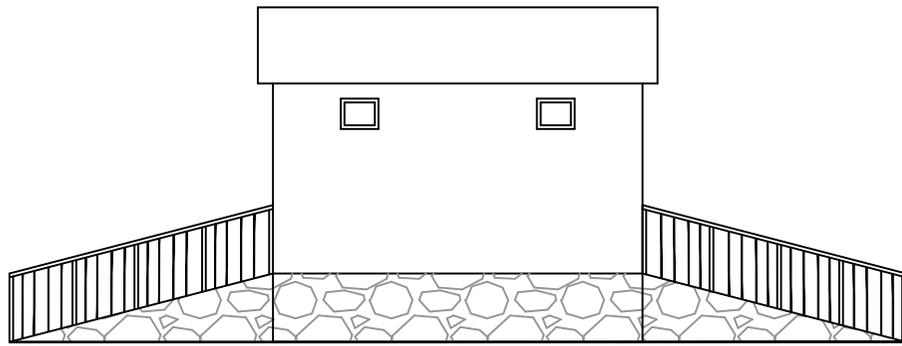
—Blue color line indicates cold water pipe line

- The building water supply system considered for establishment for this goal we need hot water source and cold water source like: sun boiler and water tanker

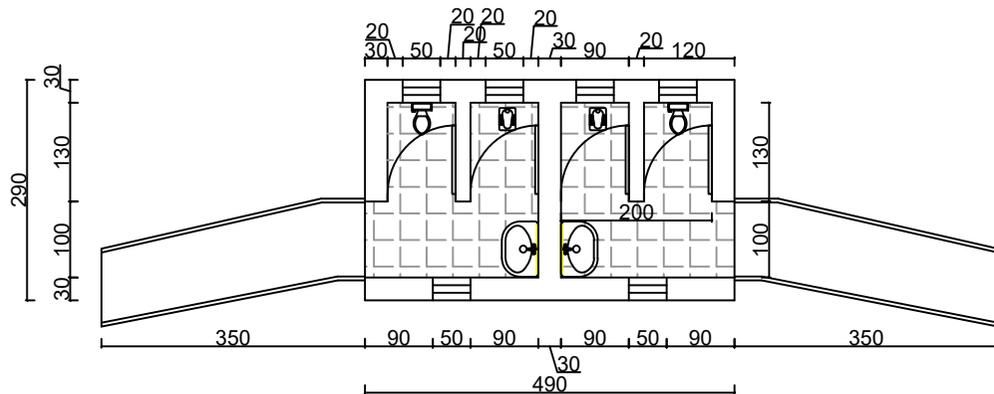
- The pipes diameter for the supplying system are: PPR pipe 20mm for distribution hot and cold water, 32mm PPR pipe is for transferring water from sources to the distribution pipes for more detail search in BoQ



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| | SURVEYED BY | Musleh, Farjad | 21-07-2024 | | DISTRICT | Adraskan | START DATE | ---- | DRAWING TYPE | Water S Plan |
| | DRAWN BY | M.Ismael | 23-07-2024 | | HCF NAME | Sherzad | END DATE | ---- | E | 62°52' 7.269" |
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NAWRAK EXISTING LATRINE ELEVATION

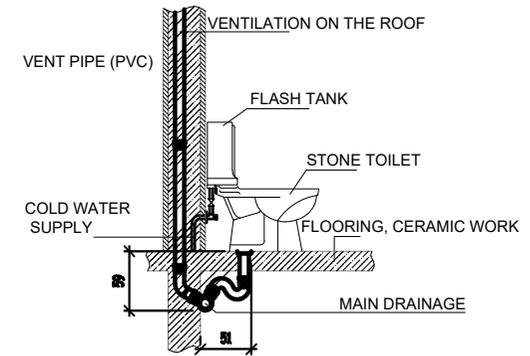


NAWRAK EXISTING LATRINE PLAN

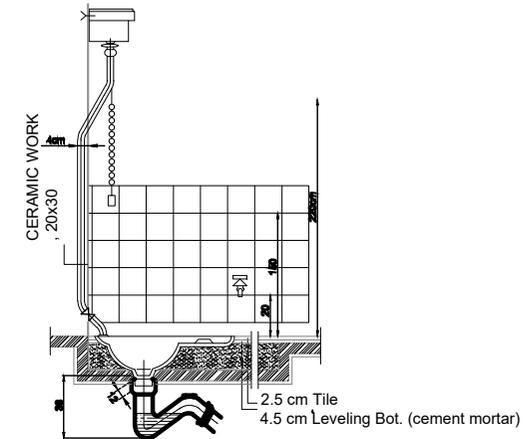
Note:
-All dimension are in cm, unless otherwise noted

-The latrine are existing in the clinic site, as for changing latrines to toilets we need to demolish the latrine pit cover and fill it by compacted soil then install the WC's and the latrine doors are made of wood which is broken and we plan to replace it with high quality UPVC doors from profile (7000) made in Turkey

-As for the toilets location in the clinic site check the general plan reference #2

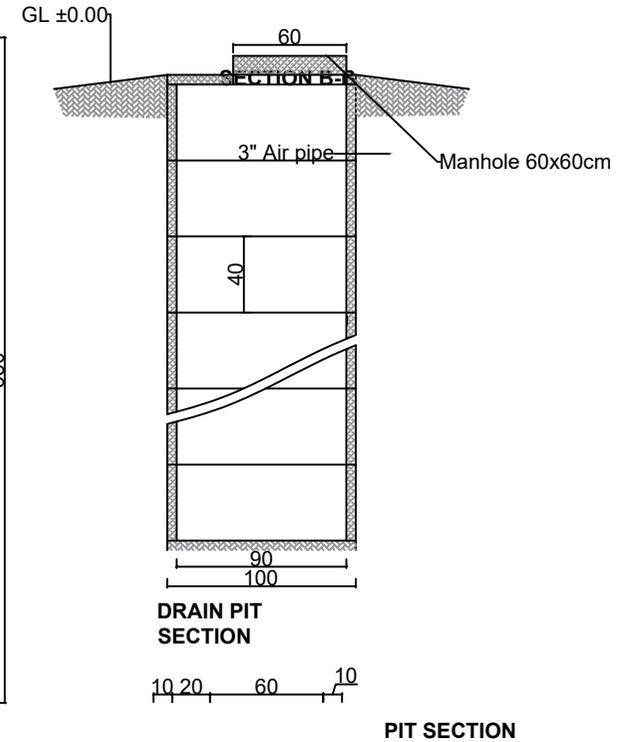
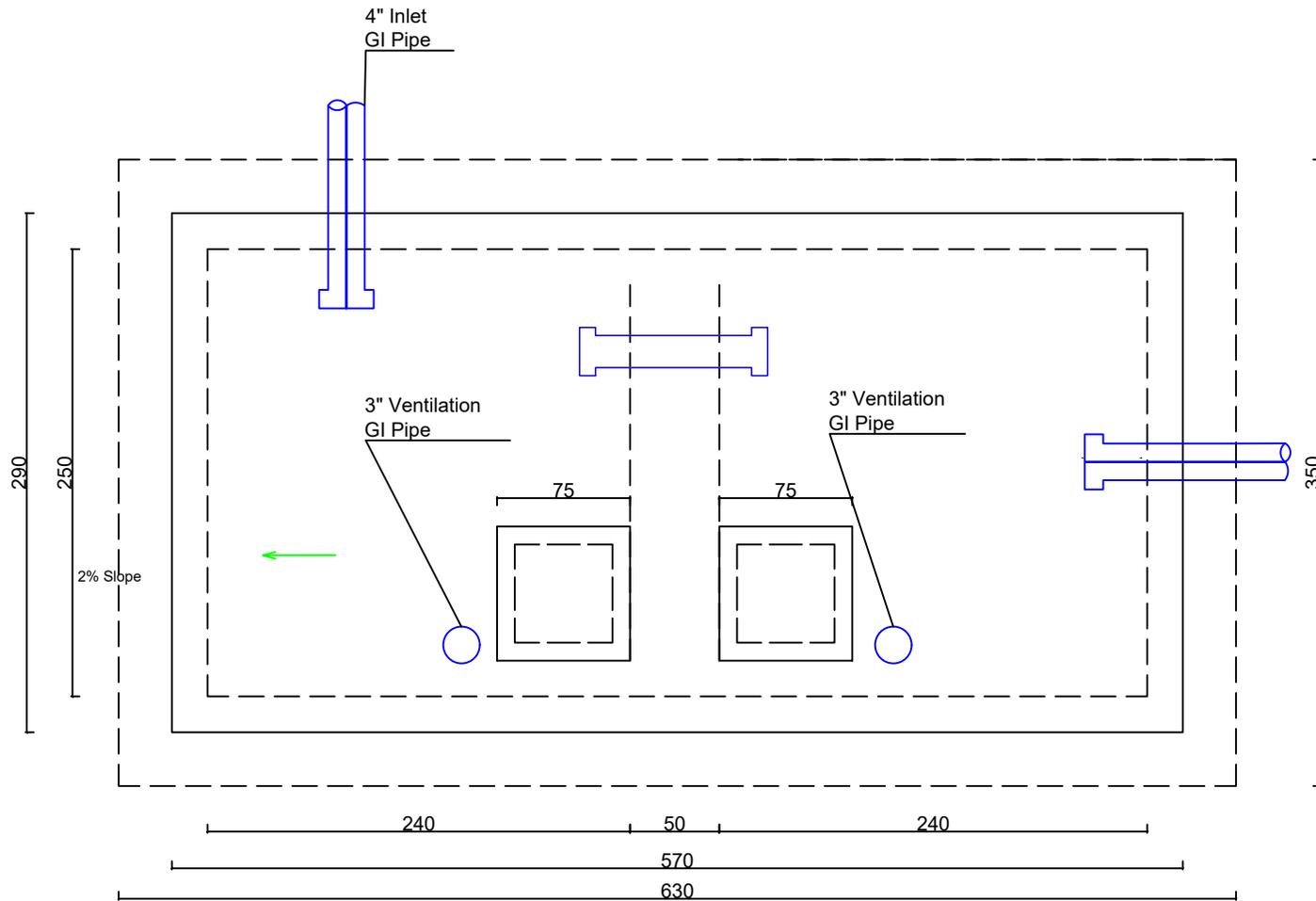


TYPICAL TOILET INSTALLATION



**DIMENSION AND CONNECTION DETAILS
PLACEMENT OF EASTERN TOILETS**

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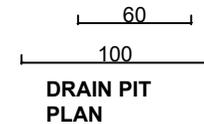
Note:

NAWRAK EXISTING SEPTIC TANK PLAN

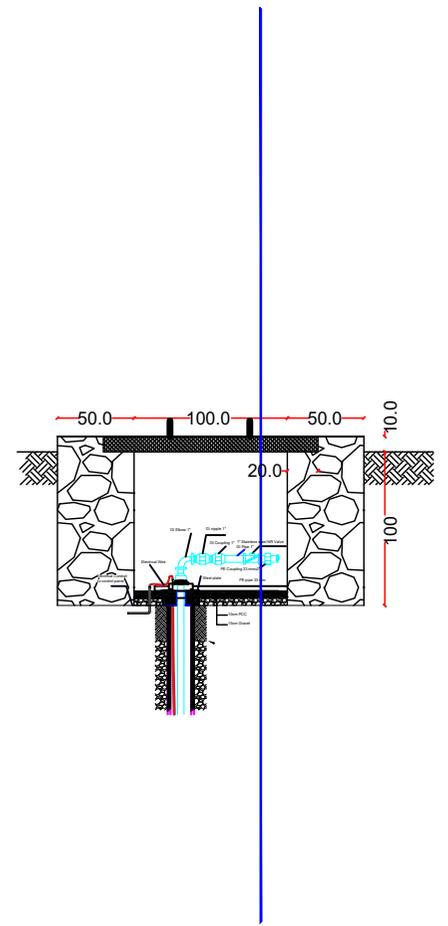
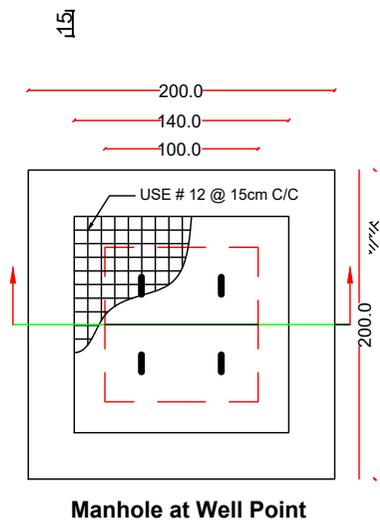
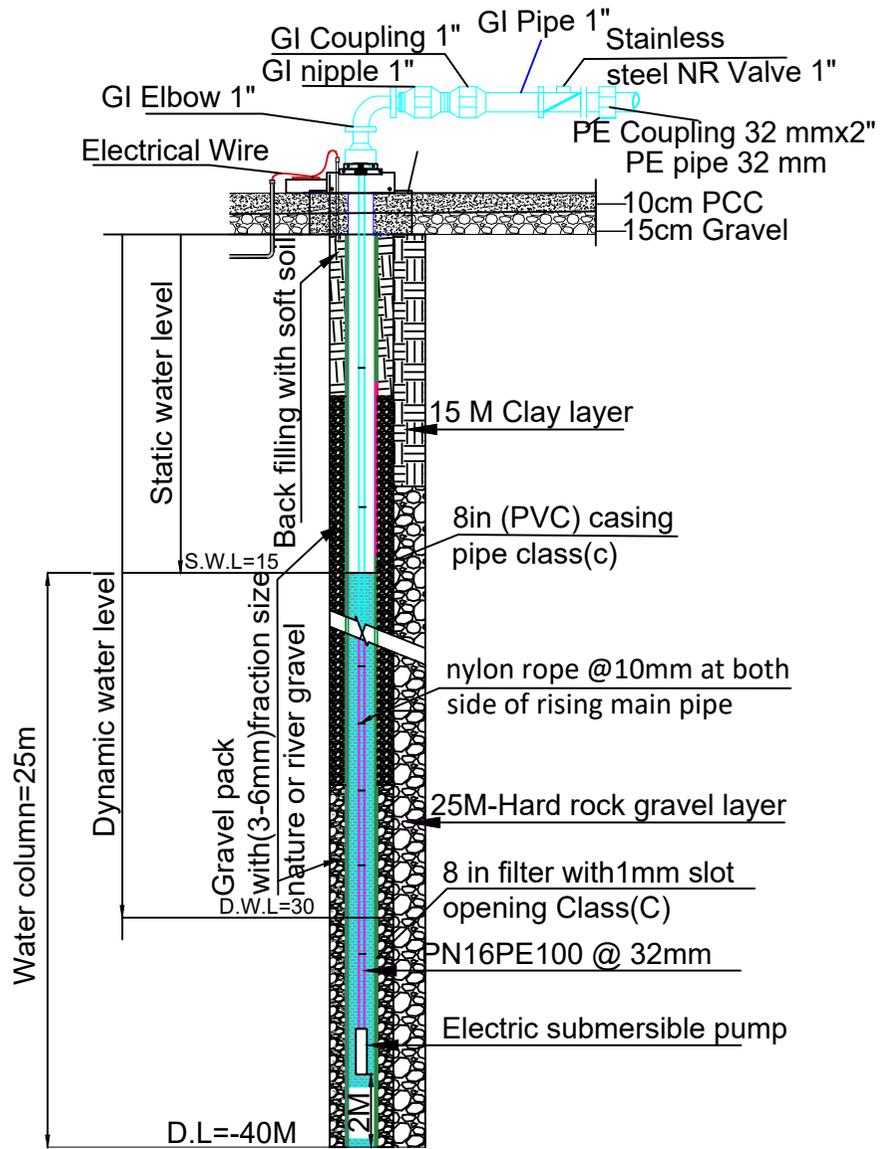
-All dimension are in cm, unless otherwise noted

-The septic tank doesn't need to repairing except of the connecting system to the septic tank, drilling a drain pit beside the tank for waste water absorption and 5 cm PCC over the septic for protecting septic tank from damage

- As for the location of the sptic tank in clinic site refers to general plan #3

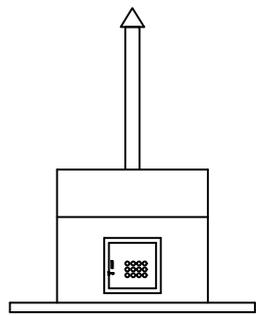


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| | SURVEYED BY | Musleh, Farjad | 21-07-2024 | | DISTRICT | Adraskan | START DATE | ---- | DRAWING TYPE | Septic tank plan |
| | DRAWN BY | M.Ismael | 23-07-2024 | | HCF NAME | Sherzad | END DATE | ---- | E | 62°52' 7.269" |
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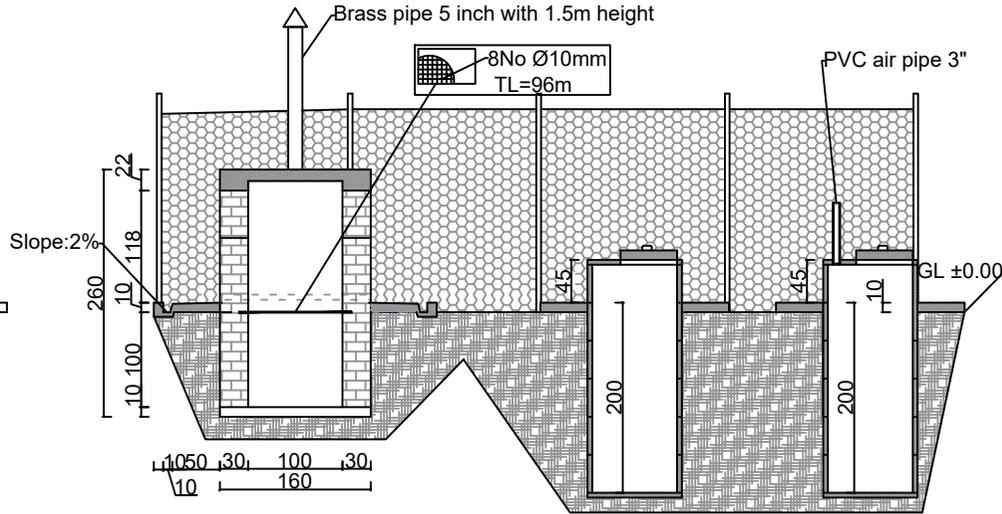


SECTION B-B

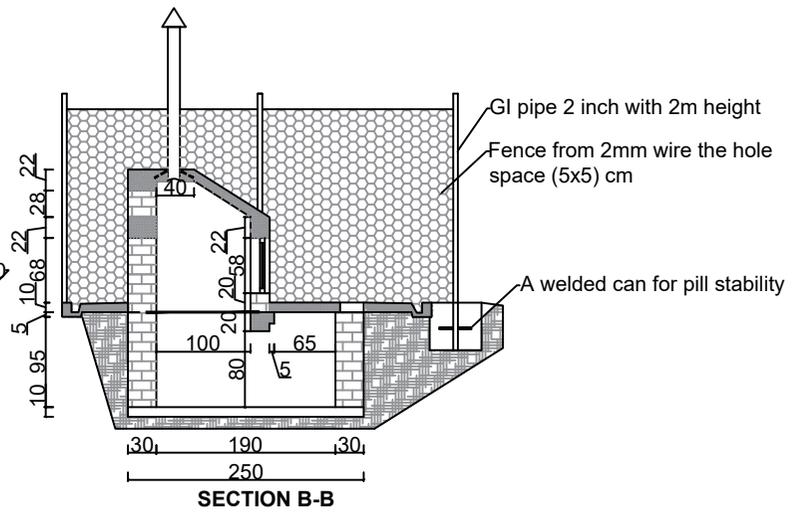
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| | SURVEYED BY | Musleh, Farjad | 21-07-2024 | | DISTRICT | Adraskan | START DATE | ---- | DRAWING TYPE | Bore well |
| | DRAWN BY | M. Ismael | 23-07-2024 | | HCF NAME | Sherzad | END DATE | ---- | E | 62°52' 7.269" |
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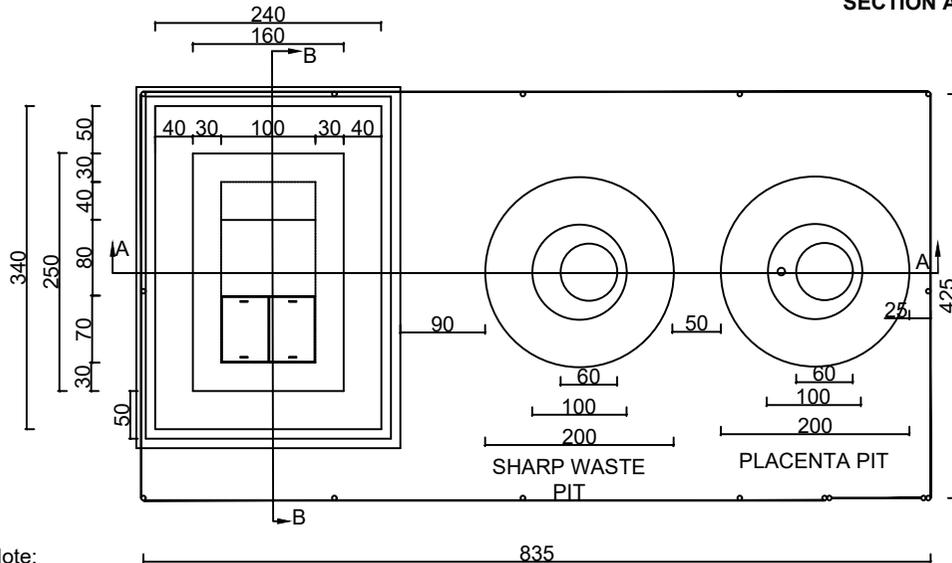
INCINERATOR VIEW



SECTION A-A

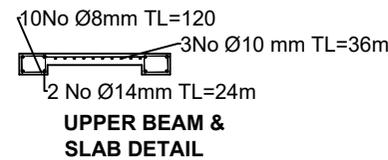


SECTION B-B

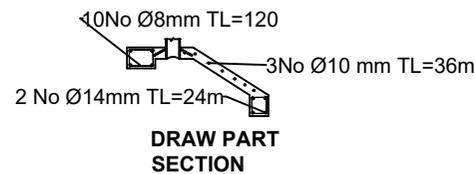


WASTE MANAGEMENT PLAN

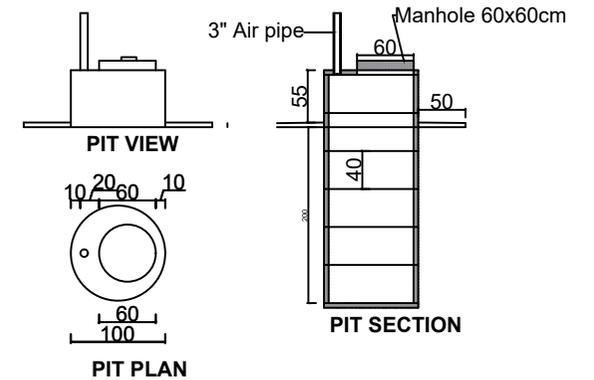
Note:
All dimension are in cm, unless otherwise noted
This is a new structure as for the location in clinic area see the general plan #5



UPPER BEAM & SLAB DETAIL



DRAW PART SECTION



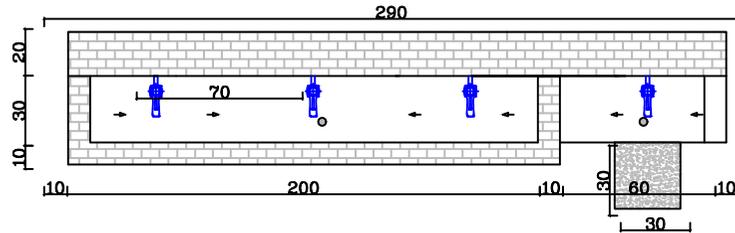
PIT VIEW

PIT PLAN

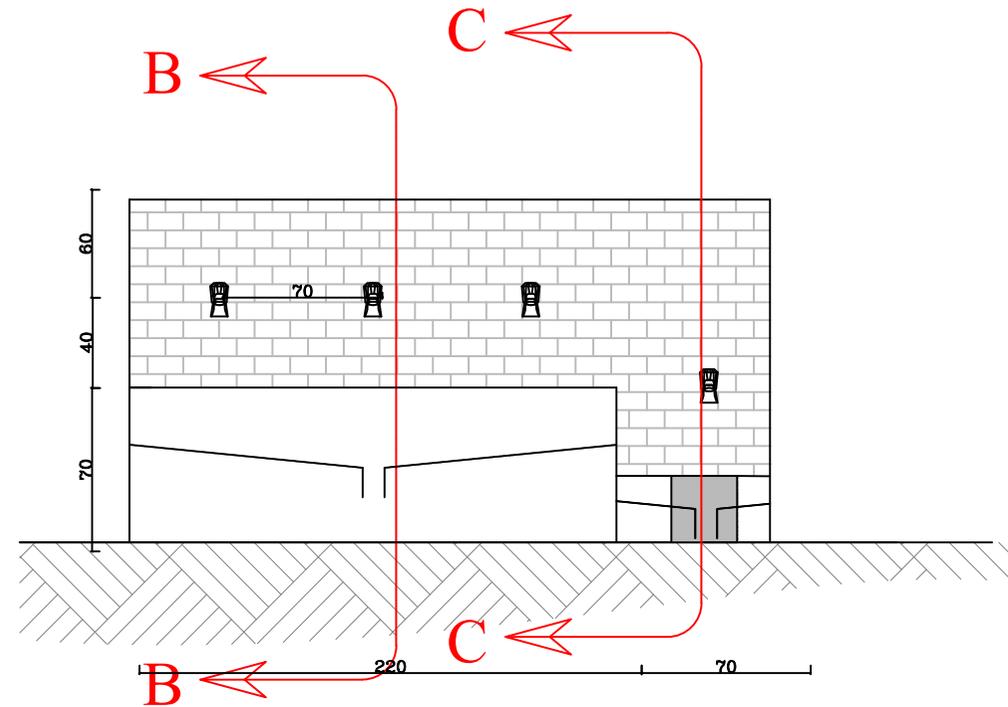
PIT SECTION

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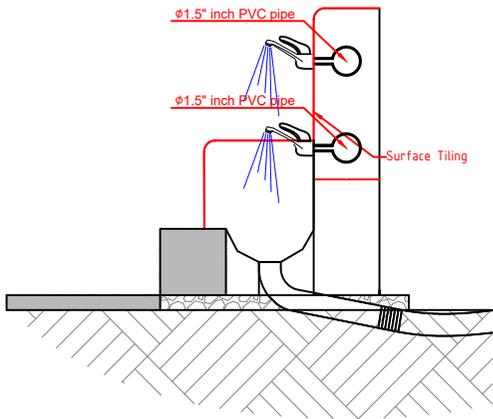
Hand Washing Top View



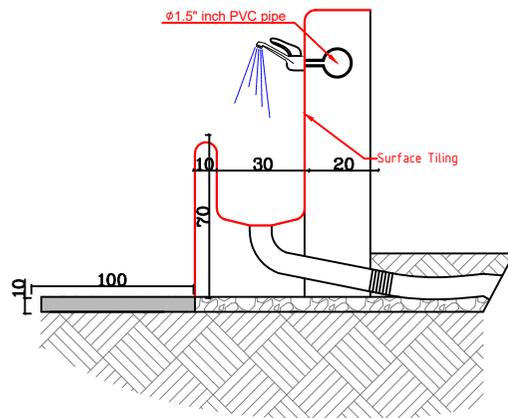
Front View



Section C-C



Section B-B



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