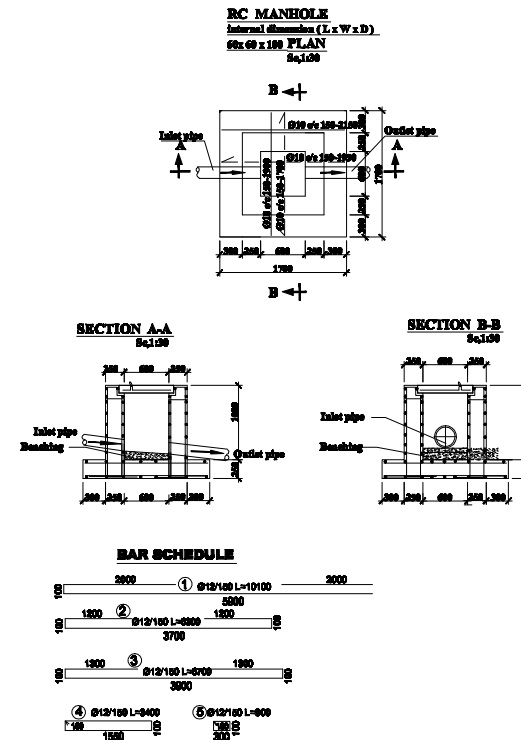
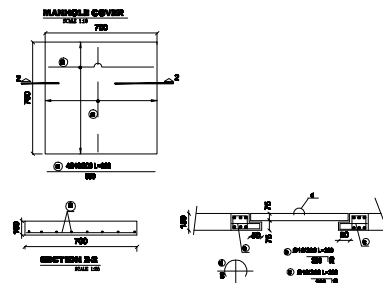
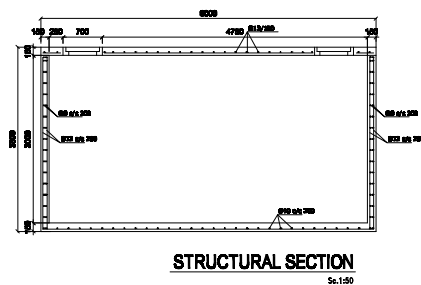
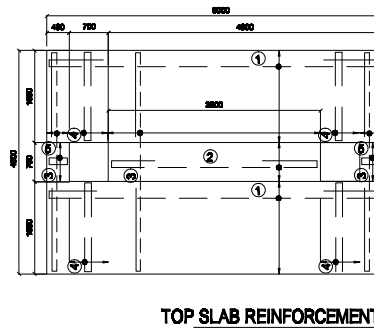
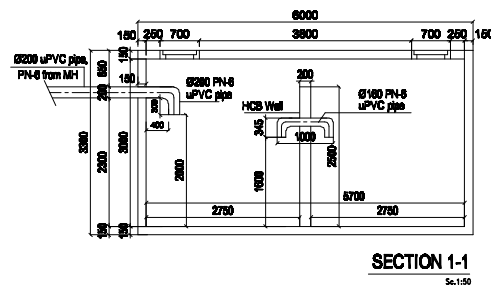
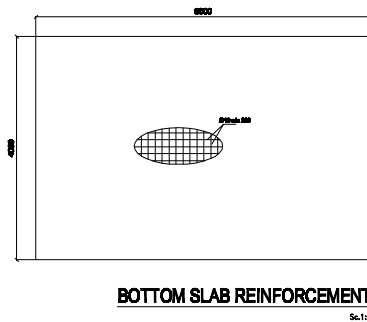
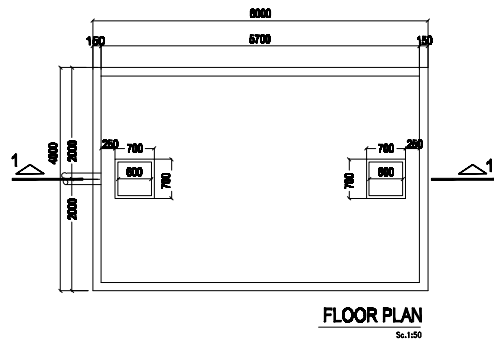


VOLUME 3

TECHNICAL SPECIFICATIONS

19/CUAMM/ETH/2025/ AID 05/12282/ETH



NOTE: WATER PROOFING SHOULD BE DONE FOR 600mm THICK AS PER THE FOLLOWING RECOMMENDATIONS:

1) ALL EXTERNAL SURFACES ON INLET AND OUTLET PIPES AND BOTTOM SLAB SHOULD BE DONE WITH 4mm THICK APPROVED MEMBRANE TYPE WATER PROOFING AS PER MANUFACTURER'S INSTRUCTION.

2) ALL INTERNAL SURFACES SHOULD BE WATERPROOFED USING 5mm SLAB ELASTIC CONCRETE WATER PROOFING LAQUAGE TEST FOR AT LEAST 4 HOURS SHOULD BE DONE AFTER THE COMPLETION OF THE WORK. ANY LEAKAGE SHOULD BE RECTIFIED BEFORE COMMISSIONING.

GENERAL NOTES

REKIK ENGINEERING & CONSULTANT

SANITARY DESIGN

Project Name
ST AGOSTINA HC REHABILITATION WORKS

Project Address
Location: GORP - TIGRAY
District: -
House No.: -

Project Owner
DOCTORS WITH AFRICA - GUANIN

Drawing Title
48 m3 Septic Tank Details

Project Status
New ☐ Modification ☐ As Built

Designed By
Solomon Tesfay
PHD/21/030

Drawn By
Staff

Checked By
Staff

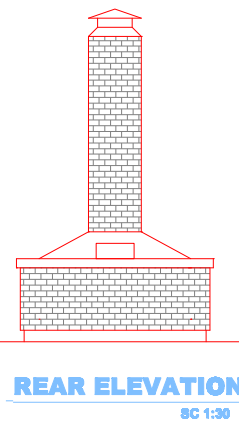
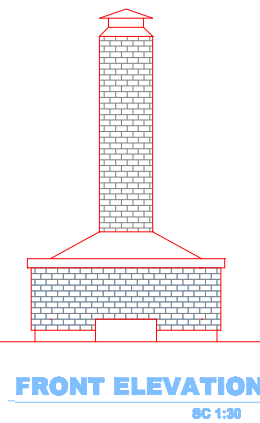
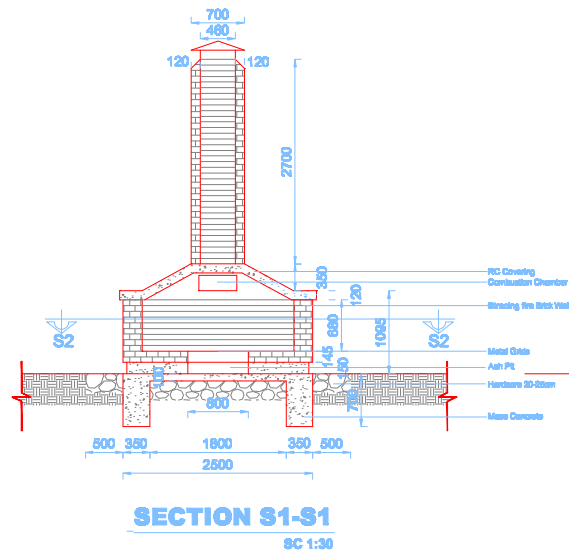
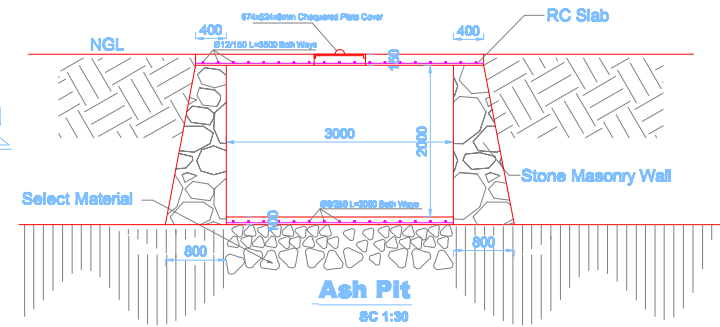
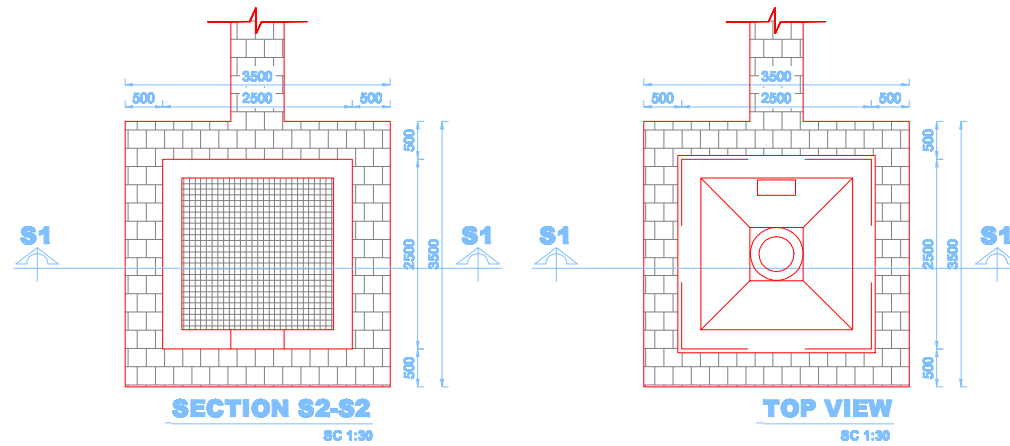
Scale
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Date
Jan-2025

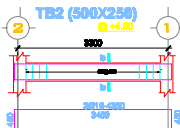
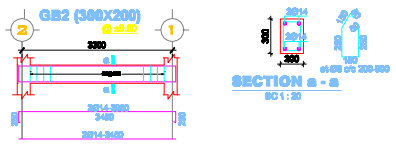
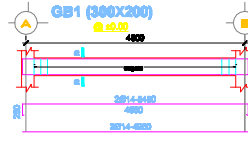
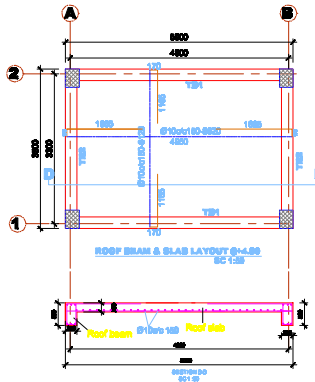
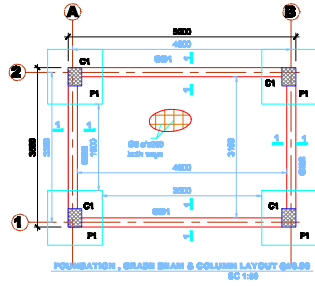
Project No.

Drawing No.
SN 01/01

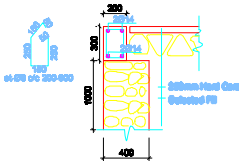
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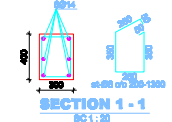
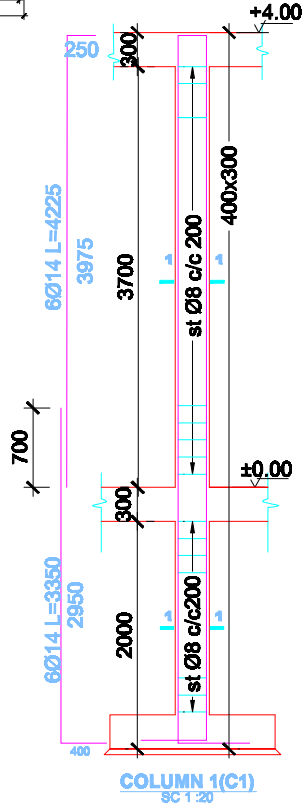
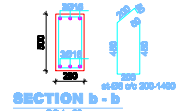
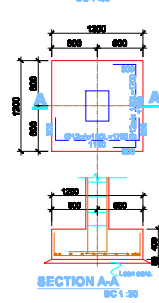
Project name	ST AGOSTINA HEALTH CENTER
Owner	CUAMM - DOCTORS WITH AFRICA
Title	ST. AGOSTINA INCINERATOR and ASH
Location	PEI Shimo, Tigrai
Scale	1:30
Date	January 2025
Drawn	STAFF
Checked	Solomon Tesfay
Approved	ST
Revision	01/01



TYPICAL GRADE BEAM SECTION



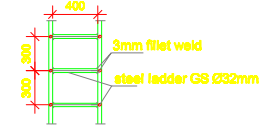
FOOTING 1(F1) BC 1:20



STRUCTURAL NOTES AND INSTRUCTIONS

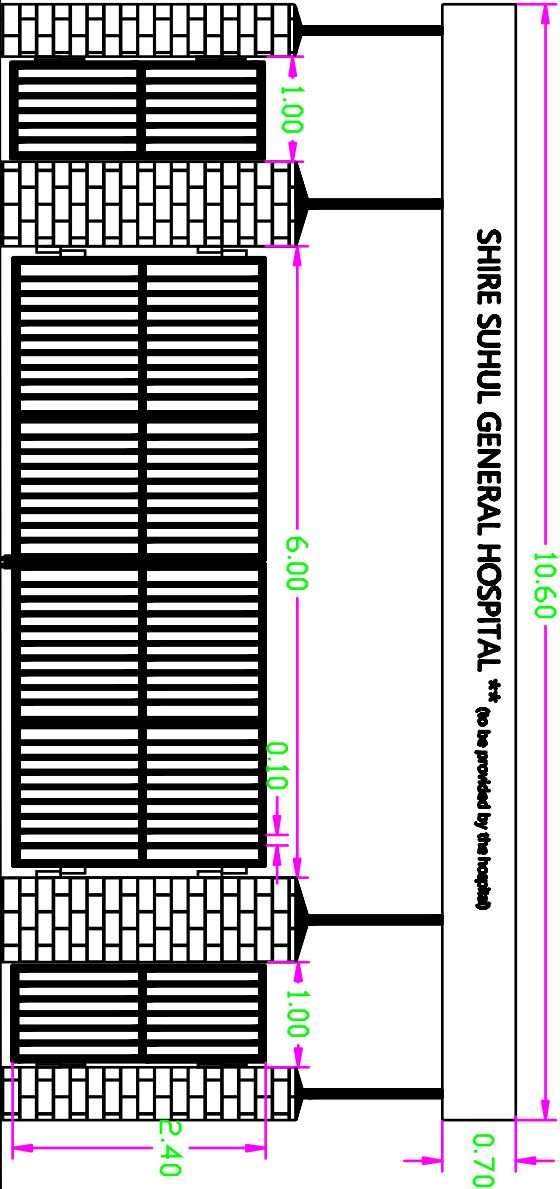
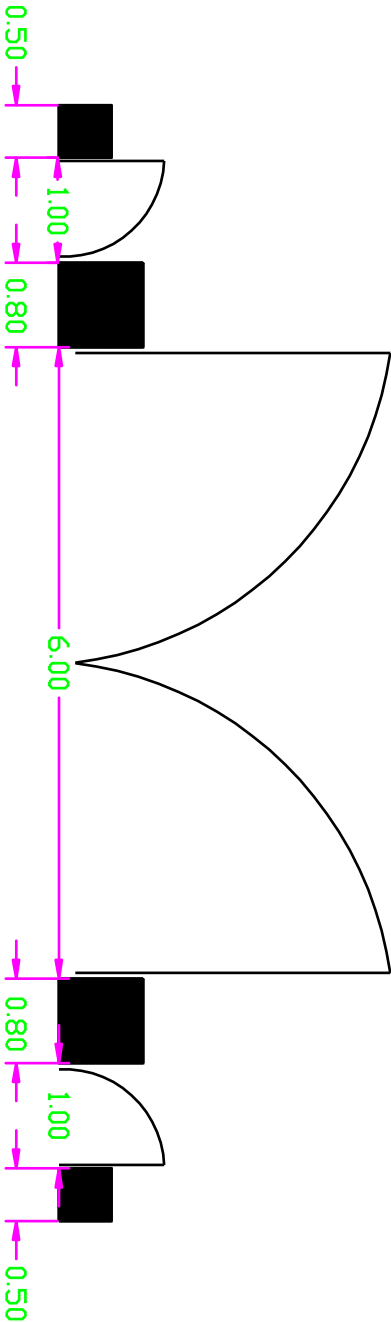
- Measurements And Dimensions
- All Measurements Are In mm, Unless Specified
- Check Layout Measurements Against The Architectural Drawings, For Matches Report To The Designers' Office Before Construction.
- Cut Support Bars In Beams At $\frac{1}{3}$ c/c Of Span Distance
- Measure & Check The Length Of All Reinforcement Bars, On Site Prior To Cutting
- Concrete Class For Major Structures, Footings, Ground Floor Slab, Columns And Beams IS C25, [FCK = 20MPA], Use Of Concrete Mixer And Vibrator Is Required
- STEEL GRADE IS 8-300 FOR DIA 8 & BELOW, 8-420 FOR DIA 10 & ABOVE, [FYK = 300 & 420 RESPECTIVELY MPA]
- Concrete Class IS C-5, [FYK=5MPA] For Lean Concrete
- Concrete Cover [mm]
 - 15mm In Concrete Slab, Stair And Parapets
 - 25mm In Concrete Beams And Columns
 - 50mm In Concrete Footings
- Use Max 2mts Drop Height When Concrete Is Filled And Minimum Depth Of Foundation Column IS 1.5m
- Assumed Allowable Bearing Capacity for the soil IS 150 KPA

LADDER CONNECTION SCALE 1:25



highlight modification	17-08-2016	
REVISION	DATE	SIGN
Rekik Engineering		
Project name		
UMER HEALTH CENTER		
Owner :		
CUAMM - DOCTORS WITH AFRICA		
Title:		
ELEVATED WATER TANKER RC		
DESIGNER	Shim, Tigay	Scale : 1:50, 1:30, 1:20
DATE	January 2016	
STAFF		ST
Chg. Solomon Tesfay		01
Drn. STAFF		01

SHIRE SUHUL GENERAL HOSPITAL MAIN GATE



SHIRE SUHUL GENERAL HOSPITAL ** (to be provided by the hospital)

General Notes

1.	1.	1.
2.	2.	2.
3.	3.	3.

SHIRE SUHUL
HOSPITAL MAIN
GATE

DWA_SHIRE
SUHUL HOSPITAL,
TIGRAY REGION

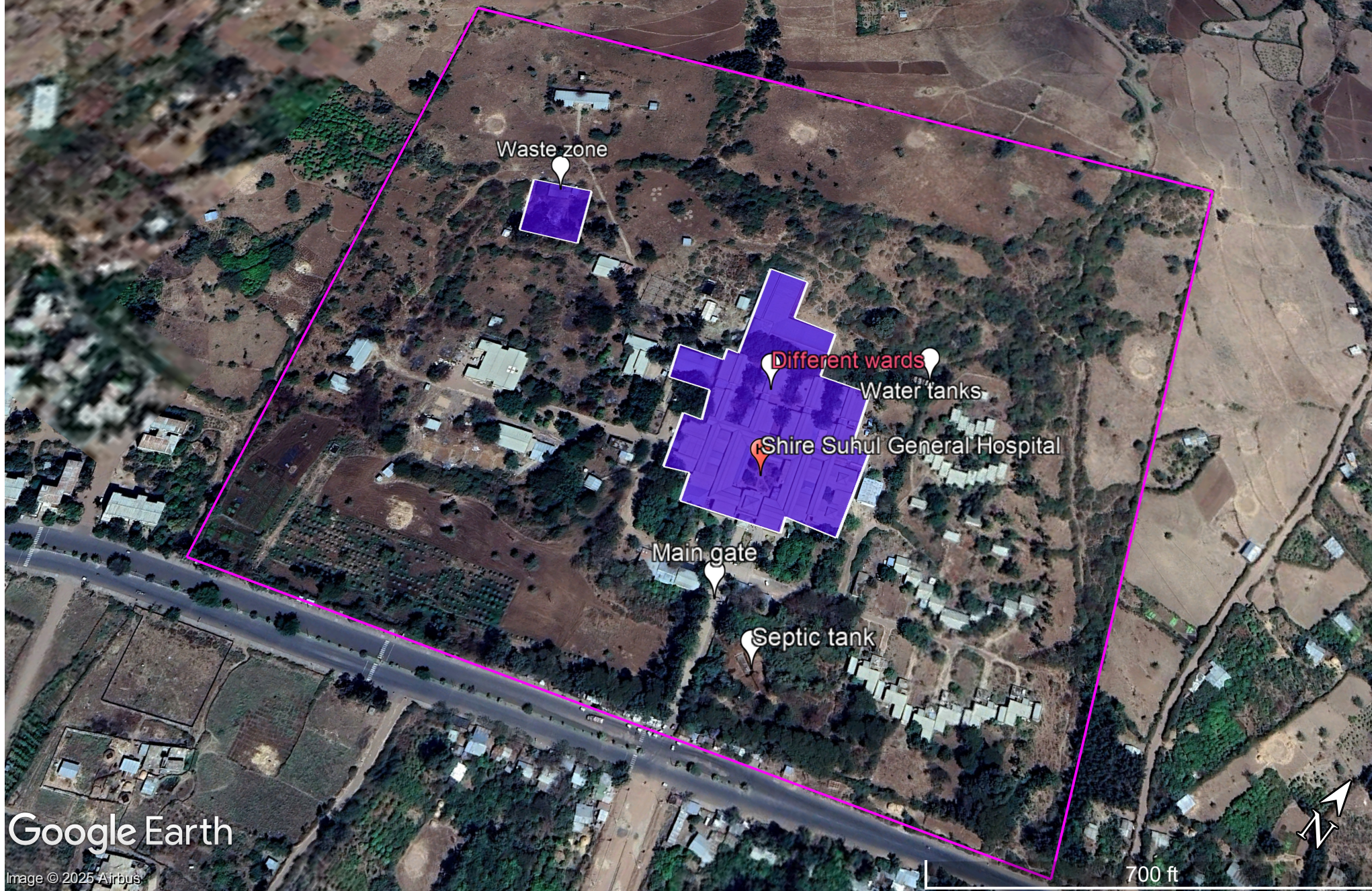
30/2025

SHIRE SUHUL HOSPITAL

- 1) Waste management (Solid and liquid wastes) renovations
- 2) Accessibility renovations

Legend

 Area of the civil works



No.	REVISION / ISSUE	DATE
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**REKIK
ENGINEERING &
CONSULTANT**

STRUCTURAL DESIGN

Project Name
Suhul Shire Hospital

Project Address
 Location: **Kabele / Wereta:**
 Sub city: **-**
 Parcel No.: **-**
 Title Deed no.: **-**

Project Owner
DOCTORS WITH AFRICA - CUAMM

Drawing Title
Fence for Disposal Pit

Project Status

Designed By
Solomon Tesfay

Drawn By

Staff
Checked By

Scale 4:50	Drawing No. 01
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Date	01/01
March-2025	

Project No.	Paper Size ISO A1
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