DESIGNS AND DRAWINGS.

NOBAT AMER WATER PROJECT - MOCHA DISTRICT - TAIZZ GOVERNORATE

PROJECT TITLE:

RAINS OF RESILIENCE 2025

DEVELOPED BY:



FUNDED BY:



REHABILITATION OF NOBAT AMER WATER SYSTEM:

INSTALL NEW WATER NETWORKS, AND CONSTRUCT NEW OPERATION ROOM, AND CONSTRUCT NEW WUC ROOM

DRAWING LIS	ST:
NO	DRAWING TITLE
AO	TABLE OF CONTENTS
A1	WATER NETWORK PLAN with Map
A2	WATER NETWORK PLAN
А3	EXCAVATION, BACKFILL, WATER NETWORK DETAILS
A4	VALVE ROOM DETAILS
A5	Managment room PLAN
A6	Reinforcement Managment room PLAN
A7	CESSPIT DRAWING
A8	PUMPING ROOM DETAILS
A9	GENERAL NOTES





Project Title:

REHABILITATIONS OF Nobat
Amer WATER PROJECT

Project Location:

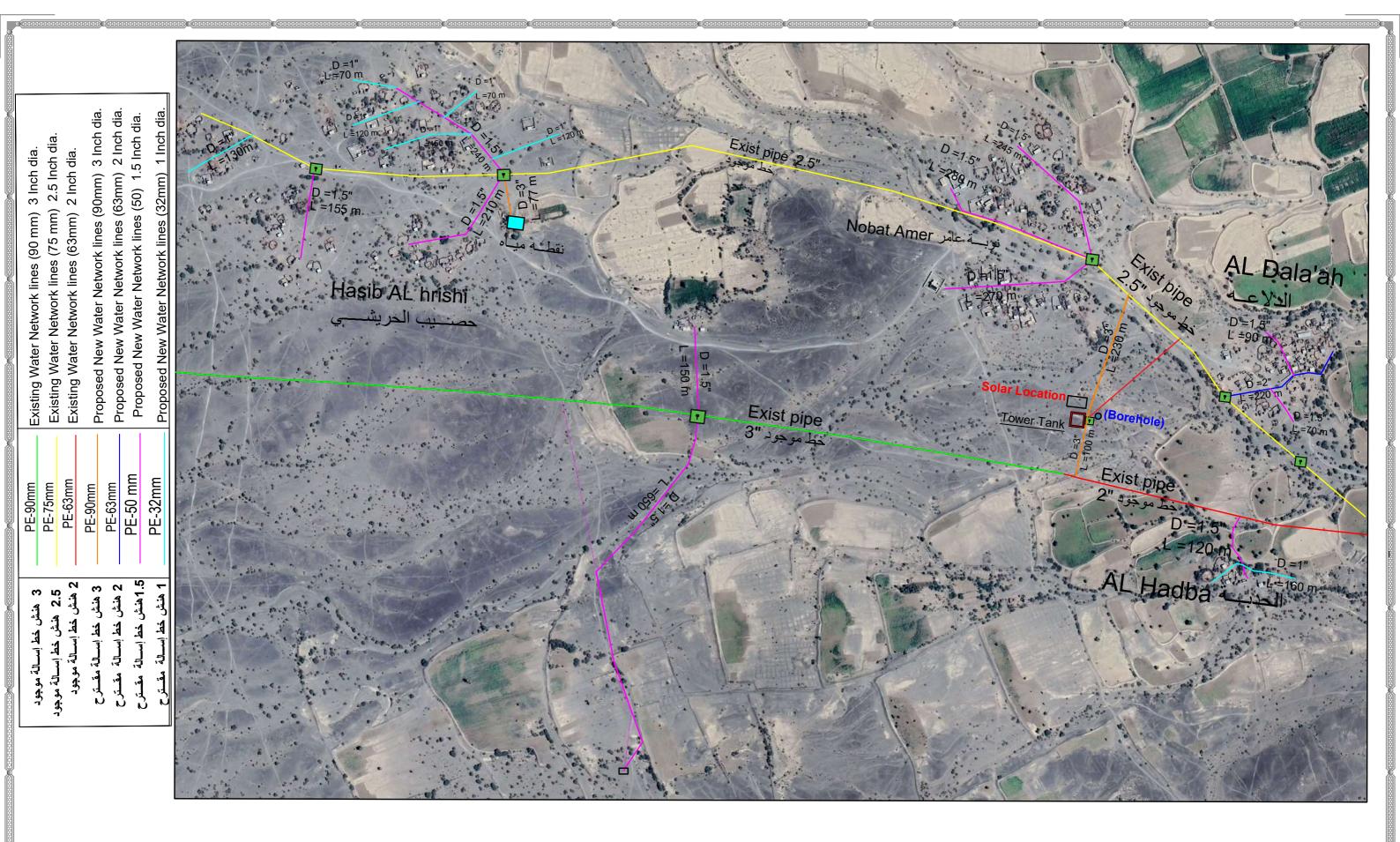
MOCHA DISTRACT - TAIZ GOV.

Drawing Title:					
Table of contents					
Project Name:					
RAINS OF RESILIENCE 2025					

Designed and reviewed by:
SPRY - WASH Sector
Approved by:
SDRV - WASH Sector

Status:					
Final Draft					
Project	No:		Paper	Size:	A3
Date		29/04/2025	Scale		As Shown





Prepared by:

Samaritan's Purse®

Funded by:

Samaritan's Purse

Project Title: Nobat Amer Water Project

Taiz- Mocha

Drawing Title: Internal Water Network Map Project Location: Project Name: **RAINS OF RESILIENCE 25**

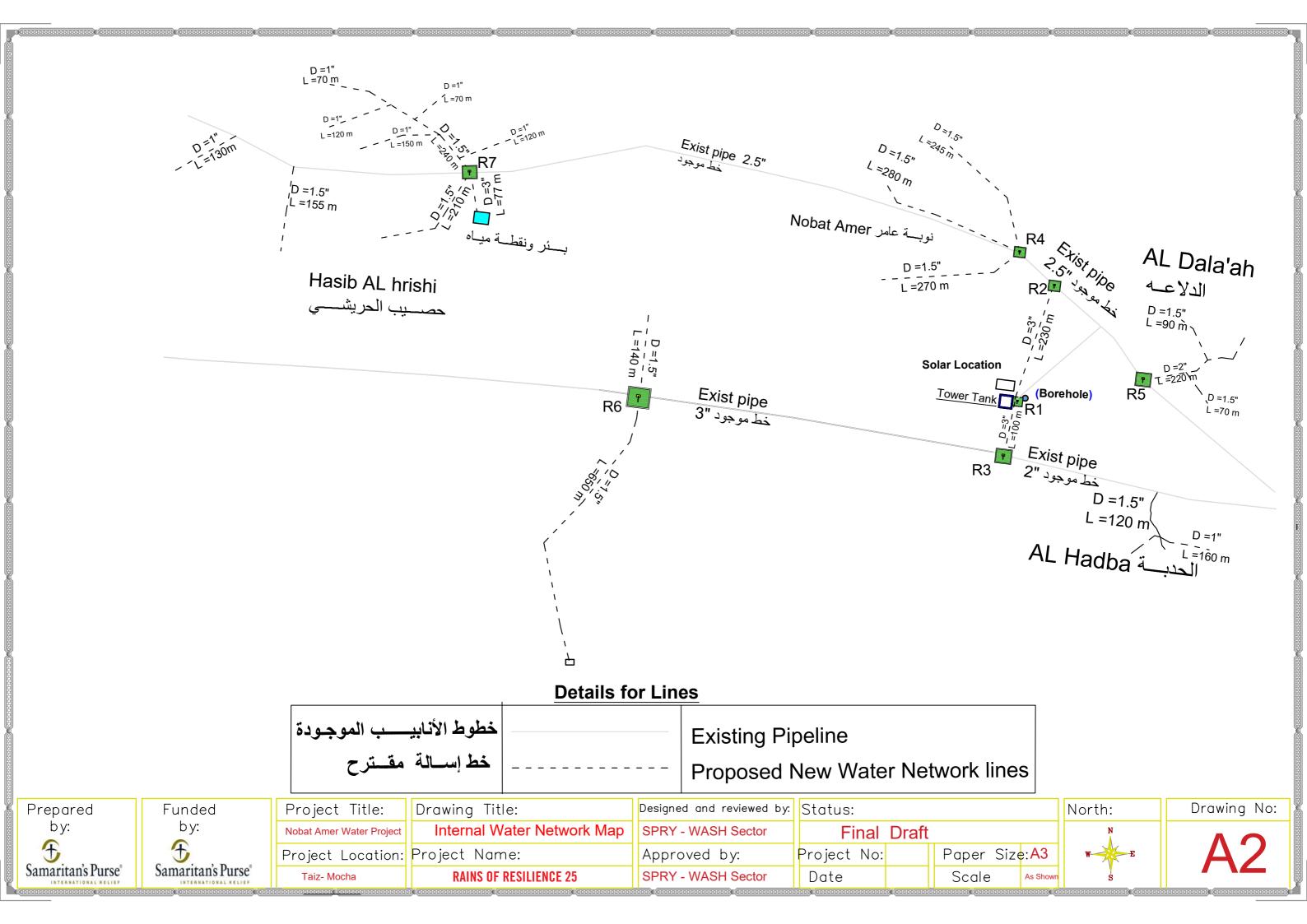
Designed and reviewed by: Status: SPRY - WASH Sector Approved by:

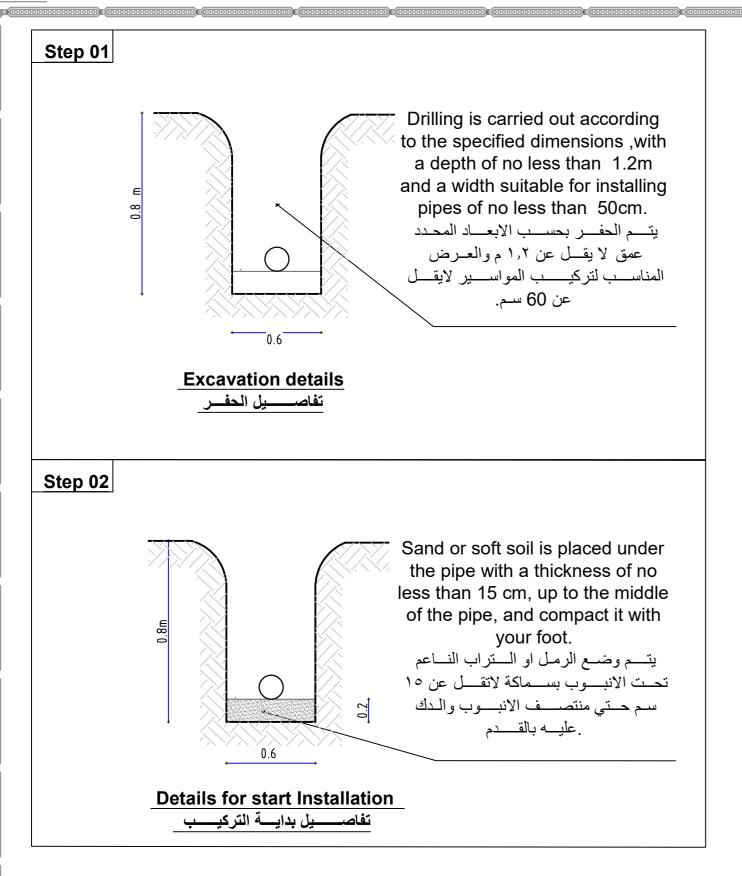
Project No: SPRY - WASH Sector Date

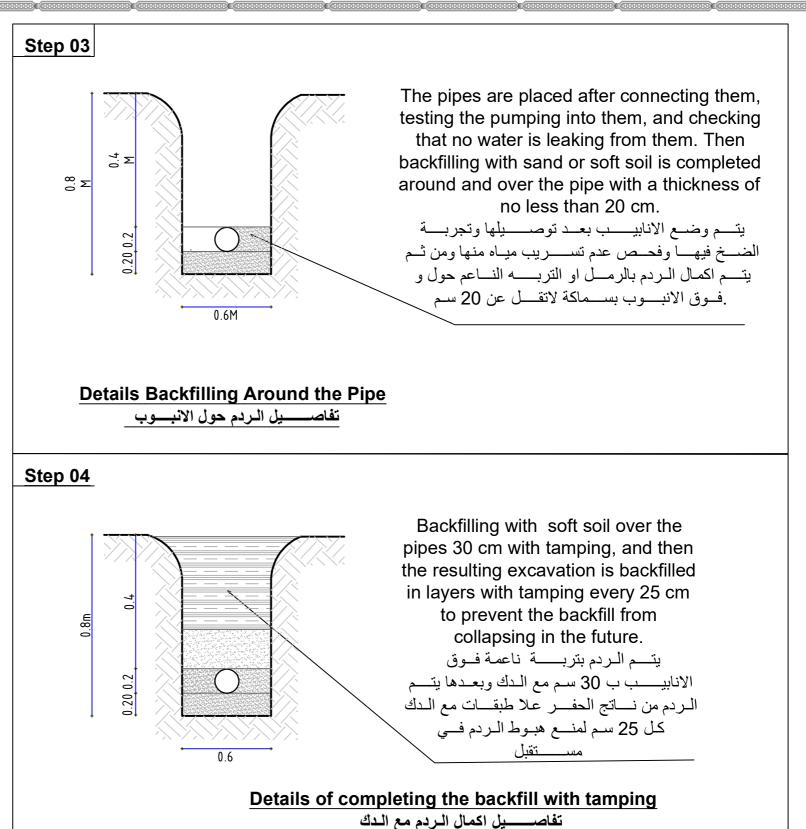
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Details of excavation, backfilling, water natwork and pumping line installation تفاصيل الحفر والردم وتركيب شبكة التوزيع وخط الضخ



Funded by: Samaritan's Purse

Project Title: Nobat Amer Water Project Project Location: Project Name: Taiz- Mocha

Drawing Title: Excavation, Backfilling **RAINS OF RESILIENCE 25**

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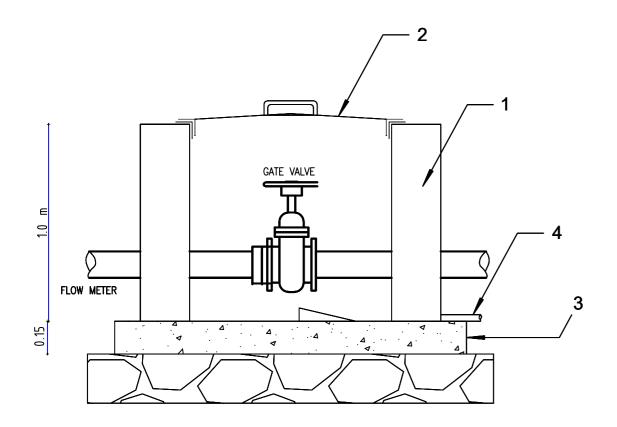
Final Draft Project No: Paper Size: A3 Date Scale

North:

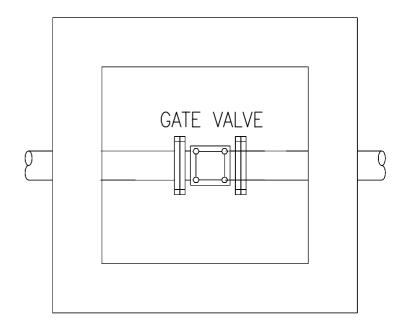
Drawing No:

Notes:

Length of the chamber will be adjusted according to the dimensions of the valves , connections and fitting so the valve shall be positioned with enough space for removing and reinstallation during maintenance.



مسقط عرضي Elevation View



مسقط أفقي Plan View

Clarification:

- 1- Buildings of solid cement blocks ,size (20 * 20 * 40)cm.
- 2 -Cover made of iron with all mounting accessories from Schellmann tires 1.5 inch, 2 mm thick.
- 3 -Ordinary concrete with a mixing ratio of (1:3:5 cement: sand: curry) with a thickness of 15 cm.
- 4 -Water drain pipe 1.5 inch.

Valve Room Details



Funded by: Samaritan's Purse Project Title: Nobat Amer Water Project Taiz- Mocha

Drawing Title: **Valve Room Details** Project Location: Project Name:

RAINS OF RESILIENCE 25

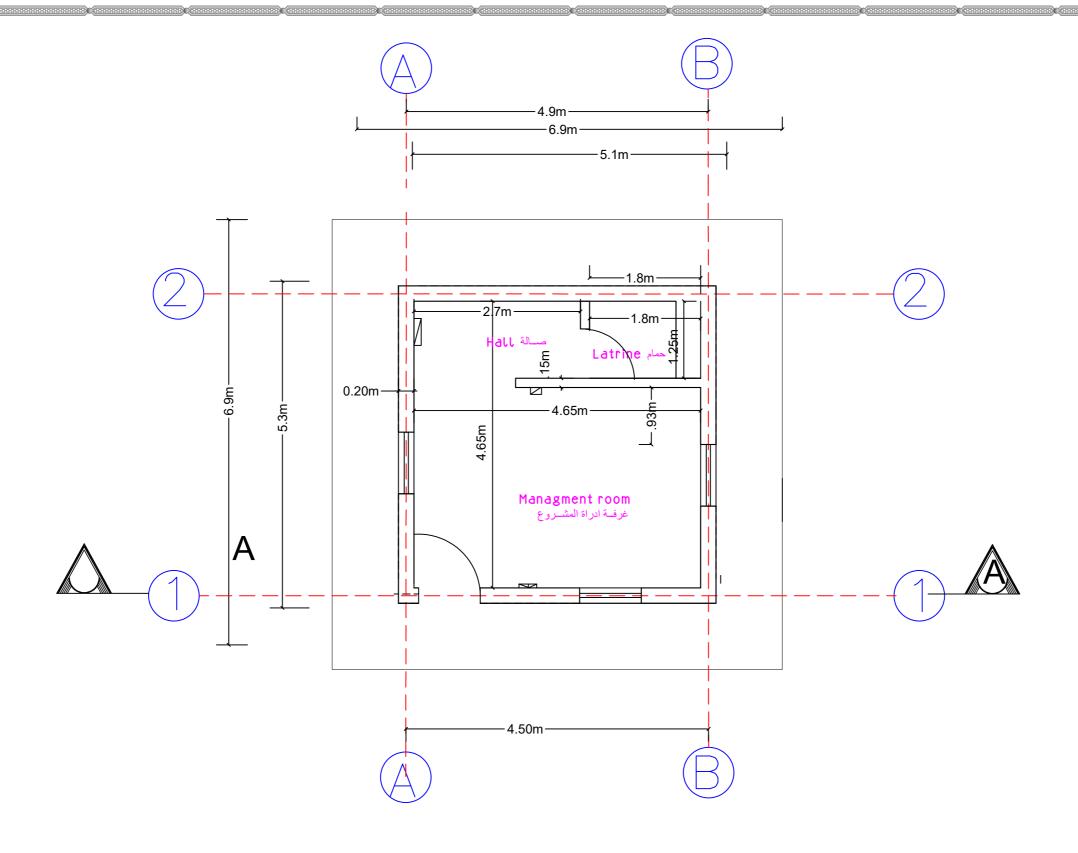
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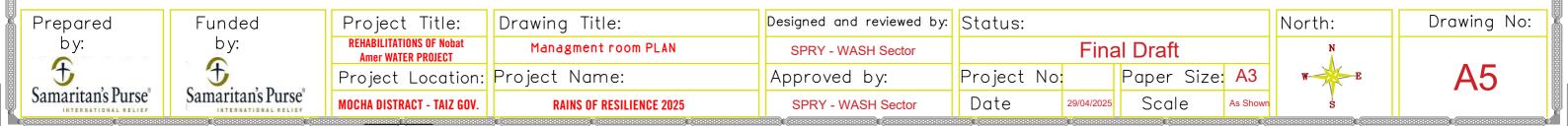
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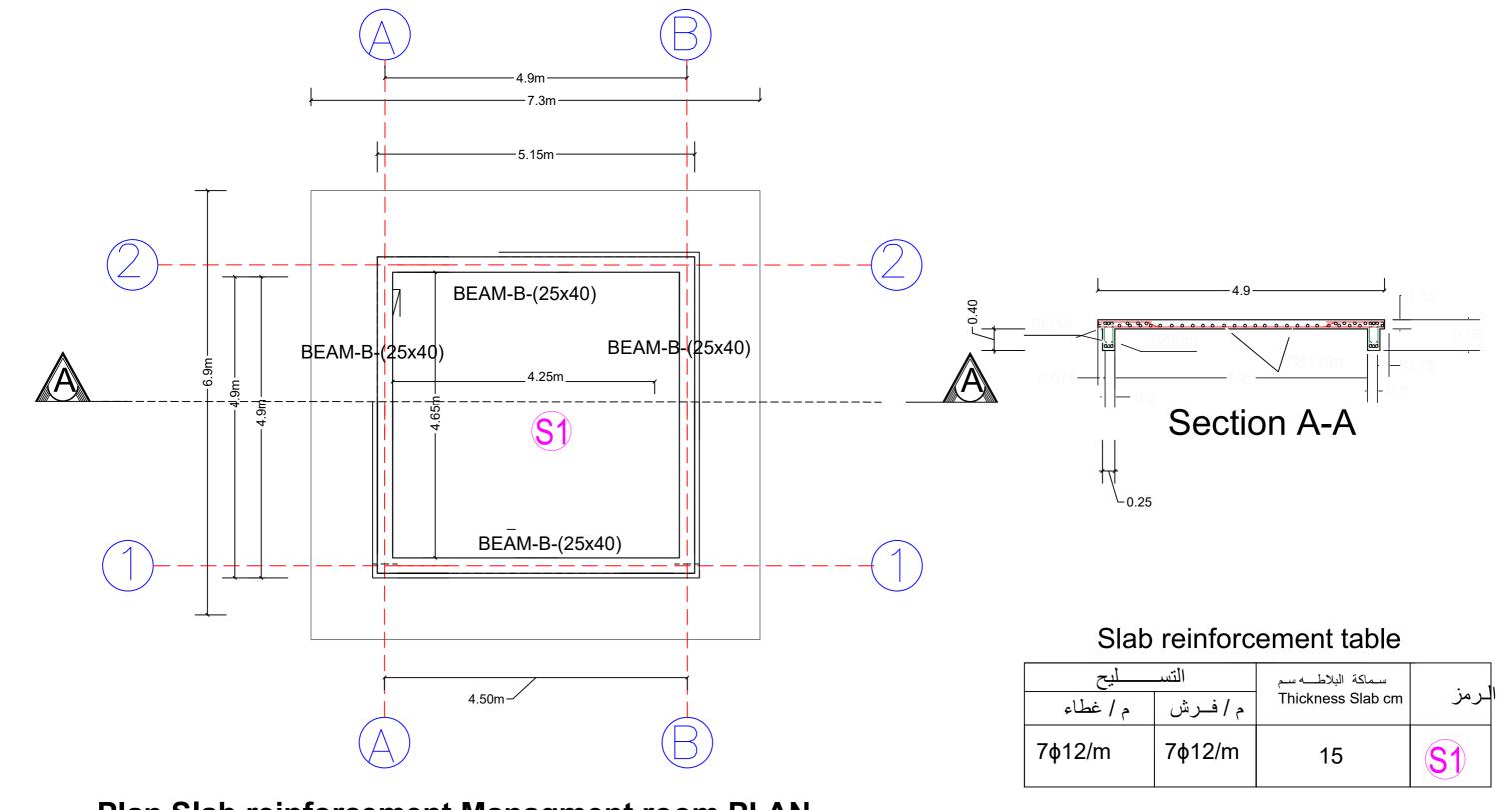
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Drawing No:



مسقط افقي غرفة ادراة المشروع 1:100 Plan Managment room PLAN المشروع المشروع المشروع المستوط ا





Plan Slab reinforcement Managment room PLAN

مسقط انشائي لسقف غرفة ادراة المشروع



Funded
by:

Samaritan's Purse

Project Title:

REHABILITATIONS OF Nobat
Amer WATER PROJECT

Project Location:

MOCHA DISTRACT - TAIZ GOV.

pect Title:

ILITATIONS OF Nobat
FOR WATER PROJECT

DECT Location:

DISTRACT - TAIZ GOV.

Designed and reviewed by:

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Final Draft

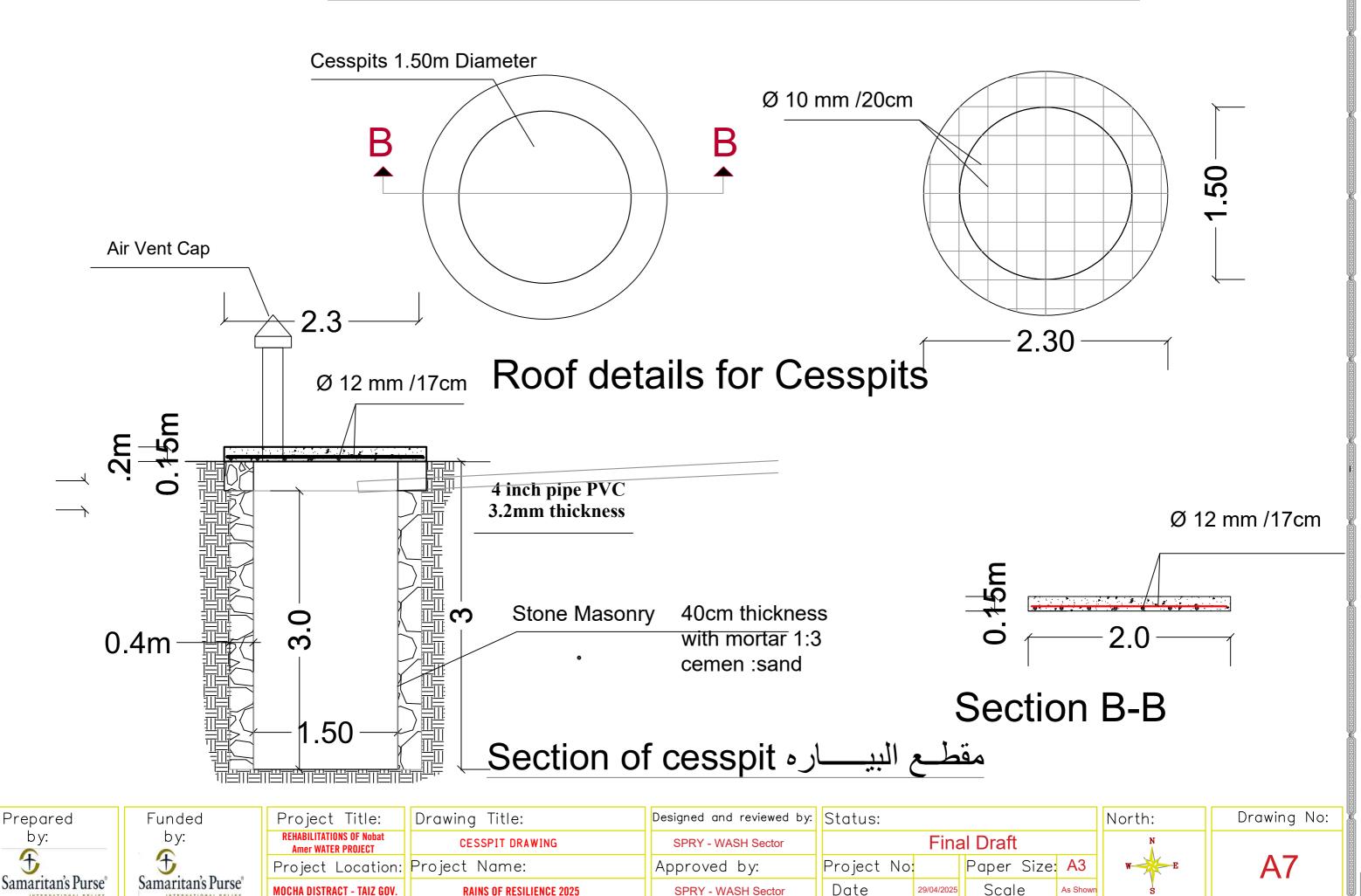
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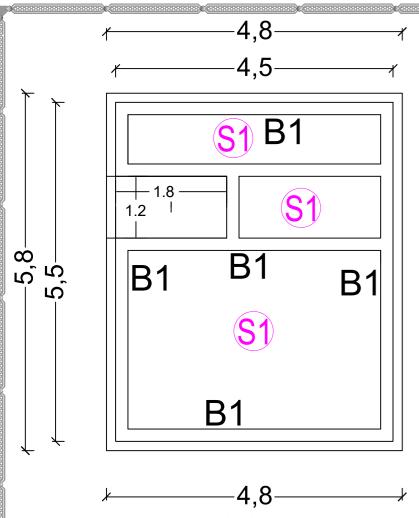
Date 29/04/2025 Scale As Sho

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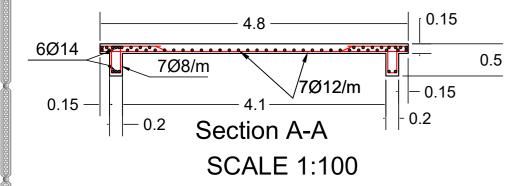
Drawing No:

Drawing for Cesspit latrine managment room



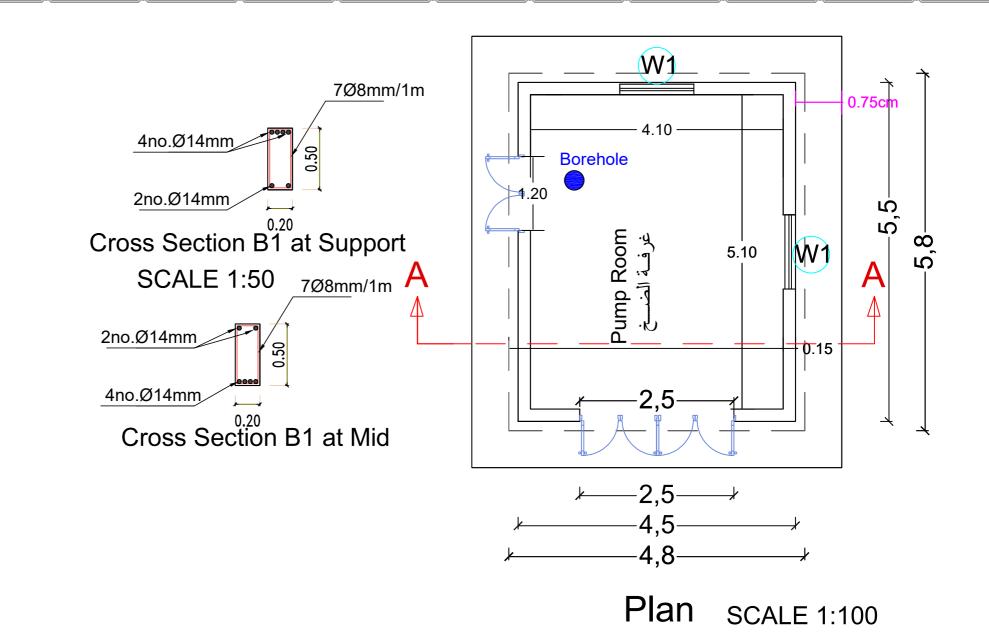


Plan Beam&Slab for Roof



Slab reinforcement table for Roof

Reinfo	rcement	سماكة البلاطــه سم	NIO	
Upp	er Lower	Thickness Slab cm	NO.	
7φ12/m	7φ12/m	15	<u>\$1</u>	

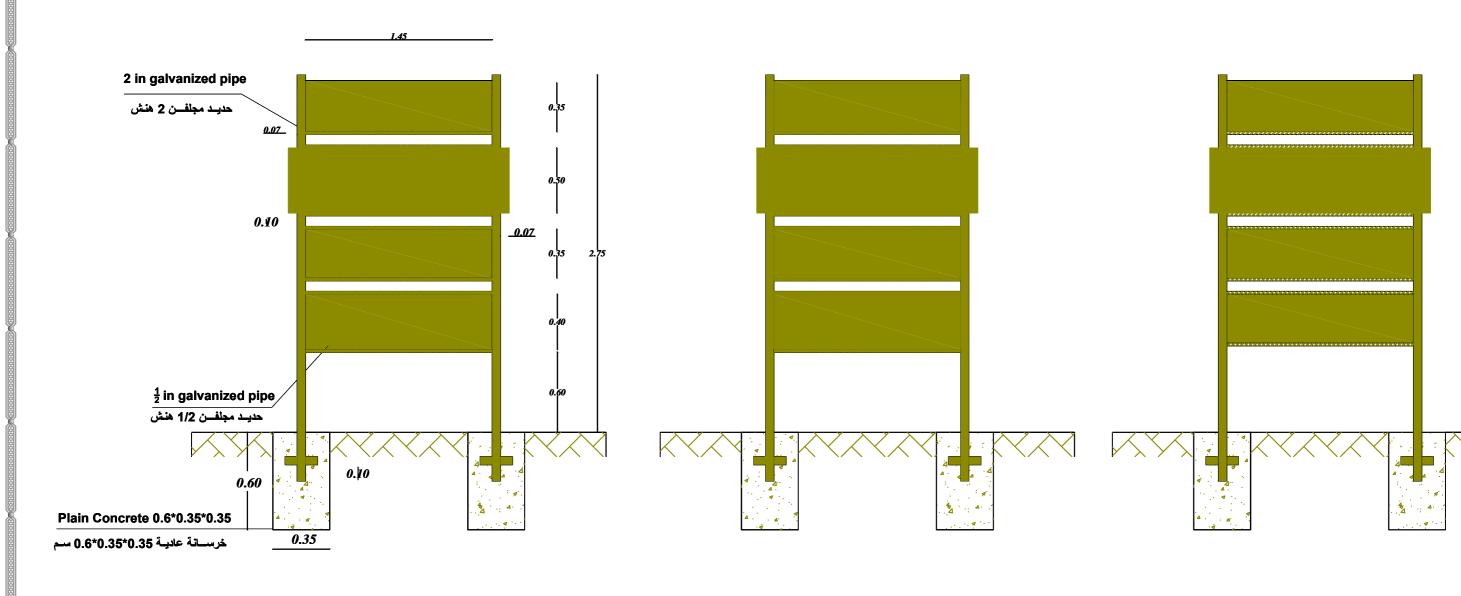


Beam reinforcement table for Roof

links		upper	reinforcement	nent lower reinforceme		Sec	tion	l No	
in middle	in sup	port	continous	addation	continous	Width cm	depth cm	NO.	
6Ø8/m	7Ø8/r	n	2 Ø 14	2 Ø14	2Ø 14	20 2	X 50	B1	

تفاصيل غرفة الضخ PUMPING ROOM DETAILS





ملاحظة: محتوى اللوحة المعدنية والرخامية سيتم تحديده لاحقا اثناء العمل Note: The content of the metal and marble plate will be determined later during the work.

Backside Elevation

واجهة اللوحة الخلفي



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Project Title: REHABILITATIONS OF Nobat Amer WATER PROJECT Project Location: MOCHA DISTRACT - TAIZ GOV.

<u>Dimensions Details</u> تفاصيل الأبعاد

Drawing Title: METAL SIGN FOR PROJECT COMPLETION Project Name: **RAINS OF RESILIENCE 2025**

Designed and reviewed by: Status: SPRY - WASH Sector Approved by:

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Plate Front side Elevation واجهة اللوحة الأمامية

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تفاصيل اللوحة الرخامية

ملاحظة : محتوى اللوحة المعدنية والرخامية سيتم تحديده لاحقا اثناء العمل Note: The content of the metal and marble plate will be determined later during the work.

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	by:	
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	Samaritan's Purse°	
	INTERNATIONAL RELIEF	Ш

Funded by: Samaritan's Purse

Project Title: REHABILITATIONS OF Nobat Amer WATER PROJECT Project Location: Project Name: MOCHA DISTRACT - TAIZ GOV.

Drawing Title:

MARBLE PAINTING **RAINS OF RESILIENCE 2025** Designed and reviewed by: Status: SPRY - WASH Sector Approved by:

SPRY - WASH Sector

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Drawing No:

General Notes:

- 1- The concrete cover at the footings is 8 cm In the beams ,columns ,walls ,floor and roof of the tank 8cm.
- 2- All concrete work for the footings ,columns ,bridges ,and tank body must be carried out according to the resistance mentioned in the table of quantities and according to the specified mixing ratios, and the amount of water should not exceed 180liters/cubic meter of concrete. The water must be non-salty, pure, and contain cement according to the line ratios specified in the table of quantities, with tests conducted. Necessary for construction materials, concrete cube samples, and all that is necessary, according to the engineer's instructions.
- 3- The strength of the steel used for all structural concrete elements is not less than 250 Newton/mm2.
- 4- The wood and concrete molds that the contractor will use for concrete works must be clean ,new ,and not out service or not good.
- 5- The concrete must be sprayed and immersed in pure water throughout the day and for a period of not less than 10days. The columns, suspension bridges, and the tank body from the outside must be bagged with special mesh bags for the spraying process, and they must be saturated with water throughout the day and night at every hour.
- 6- Samples of all materials used must be approved by the engineer before they are supplied.
- 7- The engineer must be notified upon completion of the woodwork to receive it ,as well as the ironwork. Casting cannot be completed except in the presence of the engineer, and he must be notified one day before the appointment.
- 8- All work must be carried out according to what is shown in the items in the tables of quantities and drawings.
- 09- The length of the main steel connection to the columns between the floors is not less than 80 cm.

ملاحظات عامة:

- 1- الغطاء الخرساني في القواعد 8 سم وفي الجسور والاعمدة وجدران وارضية وسقف الخزان 8 سم.
- 2- يجب تنفيد نجميع اعمال الخرسانات للقواعد والاعمدة والجسور وجسم الخزان بحسب المقاومة المذكوره في جدول الكميات وبحسب نسب الخلط المحددة وكمية المياة لاتزيد عن 180 لــتر/مـتر مكعب خرسانة ويحب ان تكون المياة غير مالحه ونقية وبمحتوى اسمنتي بحسب نسب الخط المحددة بجدول الكميات مع اجراء الاختبارات اللازمة لمواد الانشاء وعينات المكعبات الخرسانية وجميع مايلزم وبحسب تعليمات
 - 3- قوة الحديد المستخدم لجميع العناصر الخرسانية الانشائية لاتقل عن 250 نيوتن/ملم2.
 - 4- يجب ان تكون الاخشاب وقوالب الخرسانة التي سيستخدمها المقاول للاعمال الخرسانة نظيفة او جديدة و غير متهاله.
 - 5- يجب الرش وغمر الخرسانة بالمياه النقية طوال اليوم و لمده لاتقال عن 10ايام الاعمده والجسور المعلق وجسم الخزان من الخارج يجب عمل لها تكيس باكياس شايته حيش خاصة بعملية الرش ويتم تشبيعها بالمياه طول النهار والليال علا كل ساعة .
 - 6- يجب اعتماد عينات لجميع المواد المستخدمة من قبل المهندس قبل توريدها.
 - 7- يجب ابلغ المهندس عند الانتهاء من اعمال التخشيبه لاستلامها وكذالك من اعمال ،الحديد ولا يتم الصب الا بحضور المهندس ويجيب ابلاغه قبل الموعد بيوم واحد
 - 8- يجب تنفي ن جميع الاعمال بحسب ماهو موضح في بنود جداول الكميات والرسومات.
 - 9- طول الاشتراك الحديد الرئيسي للاعمدة بين الادوار لا تقل عن 80 سم.

Prepared by: Samaritan's Purse

Funded by: Samaritan's Purse

Project Title: RFHABILITATIONS OF Nobat Amer WATER PROJECT Project Location: Project Name: MOCHA DISTRACT - TAIZ GOV.

Drawing Title: GENERAL NOTES **RAINS OF RESILIENCE 2025** Designed and reviewed by: Status: SPRY - WASH Sector Approved by:

SPRY - WASH Sector

Final Draft Project No: Paper Size: A3 29/04/2025 Date Scale

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