



PREPARED AND FUNDED BY:
SAMARITAN'S PURSE

PROGRAM:
LIVING WATER

SANITATION STRUCTURES
CONSTRUCTION PROJECT
DRAWINGS PACKAGE



NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

COVER

DESIGN	SAMARITAN'S PURSE
FILE NAME	SP-WASH-DP-00
SCALE	NTS
SHEET No.	0

1. GENERAL NOTES:

- 1.1 THE DESIGN DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATIONS AND DRAWINGS (CIVIL, ELECTRICAL AND MECHANICAL). IN CASE OF ANY DISCREPANCY, THE CONTRACTOR MUST CONTACT THE ENGINEER FOR CLARIFICATION.
- 1.2 THESE NOTES ARE GENERALLY APPLICABLE TO THE OVERALL SYSTEMS INSTALLATION. ANY ADDITIONAL NOTES ON THE INDIVIDUAL DRAWINGS WHICH ARE SUPPLEMENTARY TO THESE NOTES SHALL BE READ WITH THE INSTRUCTIONS STATED HEREIN.
- 1.3 IN THE ABSENCE OF ANY INDICATION ON THE DRAWINGS OR THE SPECIFICATION, THE IMPLEMENTATION SHOULD BE DONE AS PER SAMARITAN PURSE ENGINEERS INSTRUCTIONS.
- 1.4 DO NOT SCALE DRAWINGS, USE ONLY WRITTEN DIMENSIONS.
- 1.5 UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- 1.6 THE CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE SITE OF WORKS AND SATISFIED HIMSELF AS TO THE NATURE OF THE GROUND AND MADE HIMSELF CONVERSANT WITH LOCAL CONDITIONS TO BE ENCOUNTERED DURING THE EXECUTION OF WORK.

2. CONCRETE

- 2.1 COMPRESSIVE STRENGTH OF CONCRETE, f_{cu} , AS DEFINED BY STANDARD 150mm CUBE AT 28 DAYS SHALL BE AS FOLLOWS:
- C25 : FOR FOUNDATION SLABS, BEAMS, STAIRS, COLUMNS, SHEAR WALLS,
 - C20 : FOR FLOORS LEAN CONCRETE
- 2.2 TRIAL MIXES SHALL BE PERFORMED AND 28 DAY STRENGTH AND DURABILITY TEST RESULTS MUST BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL PRIOR TO ANY CONCRETE WORK.
- 2.3 ALL REINFORCED CONCRETE SHALL BE VIBRATED PROPERLY.

3. CEMENT

- 3.1 ORDINARY PORTLAND CEMENT (OPC) .
- 3.2 WATER-CEMENT RATIO SHALL NOT BE MORE THAN 0.55 WEIGHT.
- 3.3 CEMENT CONTENT SHALL BE DETERMINED BY DESIGN MIX TO BE APPROVED BY THE SAMARITAN'S PURSE ENGINEERS
- 3.4 CEMENT PLASTERING WILL BE USED FOR THE INTERNAL AND EXTERNAL SIDES AND ROOFING OF BATHROOM WALLS (SHOWER + LATRINE)

4. REINFORCING STEEL

- 4.1 ALL REINFORCING STEEL BARS DENOTED BY "Ø" BARS SHALL BE DEFORMED, HIGH YIELD STRENGTH BARS WITH A MINIMUM YIELD STRENGTH OF $F_y = 420 \text{ MPa}$.
- 4.2 REINFORCEMENT SHALL CONFORM TO ASTM A615 STANDARDS.
- 4.3 REINFORCEMENT SHALL BE PLACED AS SHOWN ON THE DRAWINGS AND IN THE LENGTHS SPECIFIED.

Sheet Index

No.	Drawing No.	Drawing Title
0	SP-WASH-DP-00	DRAWINGS PACKAGE
1	SP-WASH-GN-01	General Notes
2	SP-WASH-SY-02	Symbols
3	SP-WASH-SS-03	Sanitation Structures Model
4	SP-WASH-FP-04	Strip Foundation
5	SP-WASH-SF-05	Floor Plan
6	SP-WASH-CS-06	Building Cross Section
7	SP-WASH-SP-07	Slab Plan
8	SP-WASH-EP-08	Electrical Plan
9	SP-WASH-PP-09	Plumbing Plan
10	SP-WASH-CP-10	Cesspool Details
11	SP-WASH-SD-11	Slab / Structural Details



NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

GENERAL NOTES

DESIGN

SAMARITAN'S PURSE

FILE NAME

SP-WASH-GN-01

SCALE

NTS

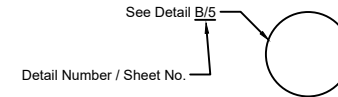
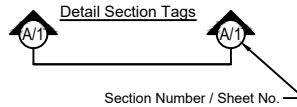
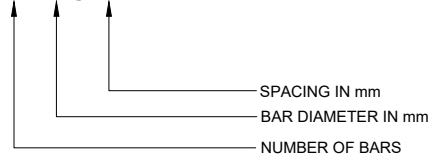
SHEET No.

01

5. SYMBOLS

5.1 ARCHITECTURE & CIVIL

4 Ø 20@200mm

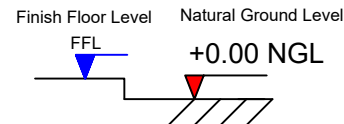


NEW CONCRETE



NEW WALL SOLID BLOCKS (15*20*40)

DOOR SCHEDULE			
ITEM	TAG	SIZE	TYPE
	1	2.1*0.8-1 m	NEW PVC DOOR



5.2 ELECTRICAL

ITEM	DESCRIPTION
	Single socket-Normal power
	Two Gang Switch
	Interior and Exterior Water Proof Light
	Exhaust Fan 4" and 6"
	Distribution Panel Board
	2x4 mm2 Cable
	2x2.5 mm2 Wire

5.3 WASH

ITEM	DESCRIPTION
	4 inchs PVC Pipe for black water
	4 inchs PVC Pipe for grey water
	¾ inchs PVC Pipe for water supply
	1 and ½ inch PVC pipes up and down to the roof
	30x30 cm Manhole
	Interior 15x15cm Manhole
	WC Seat (Eastern toilet)
	Wash basin
	Tap
	Water Mixer
	Water Boiler
	Ventilation Pipe
	Rain Pipe

NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

SYMBOLS

DESIGN

SAMARITAN'S PURSE

FILE NAME

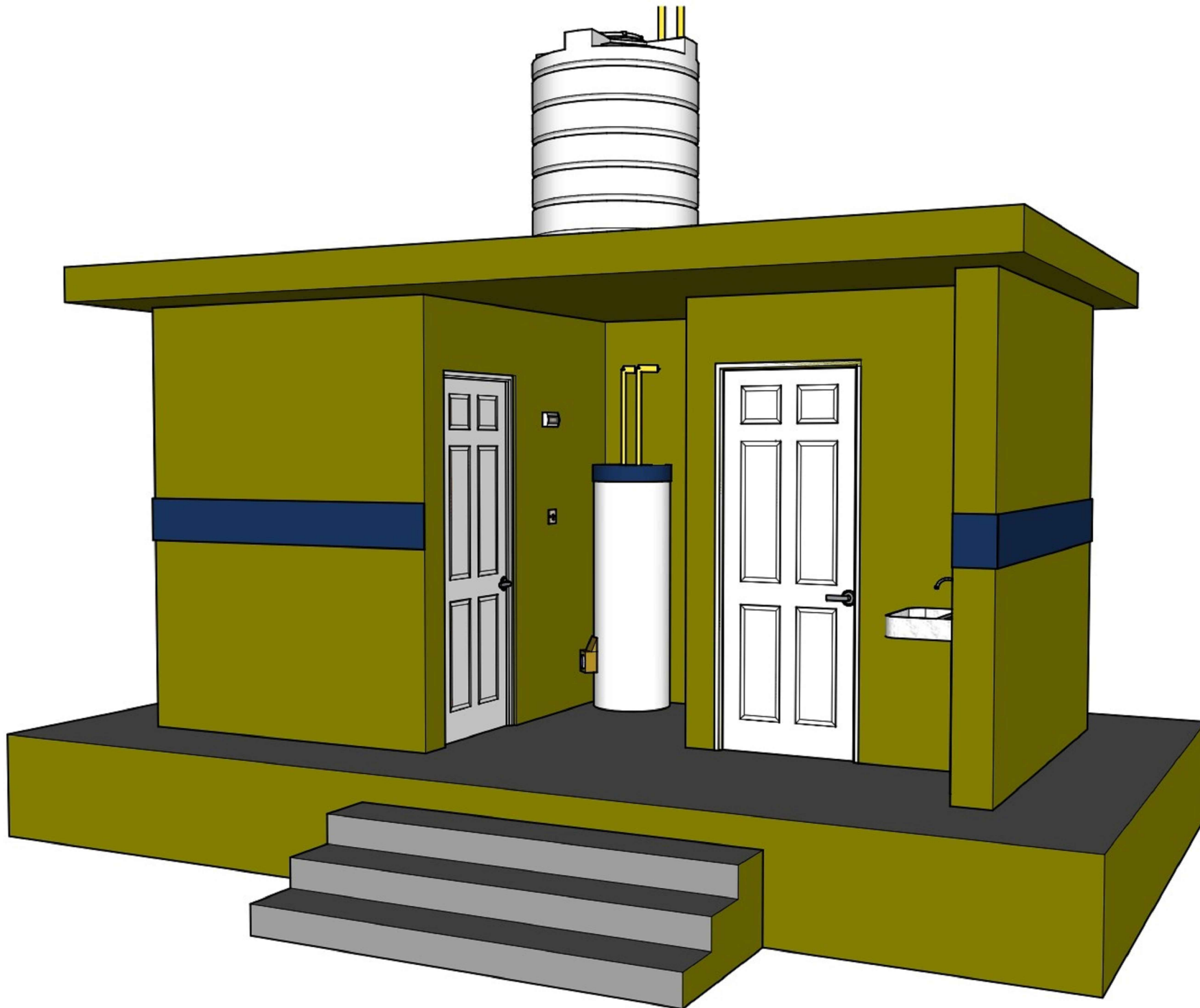
SP-WASH-SY-02

SCALE

NTS

SHEET No.

02



NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

SANITATION STRUCTURES MODEL

DESIGN

SAMARITAN'S PURSE

FILE NAME

SP-WASH-SS-03

SCALE

NTS

SHEET No.

03

NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

STRIP FOUNDATION

DESIGN

SAMARITAN'S PURSE

FILE NAME

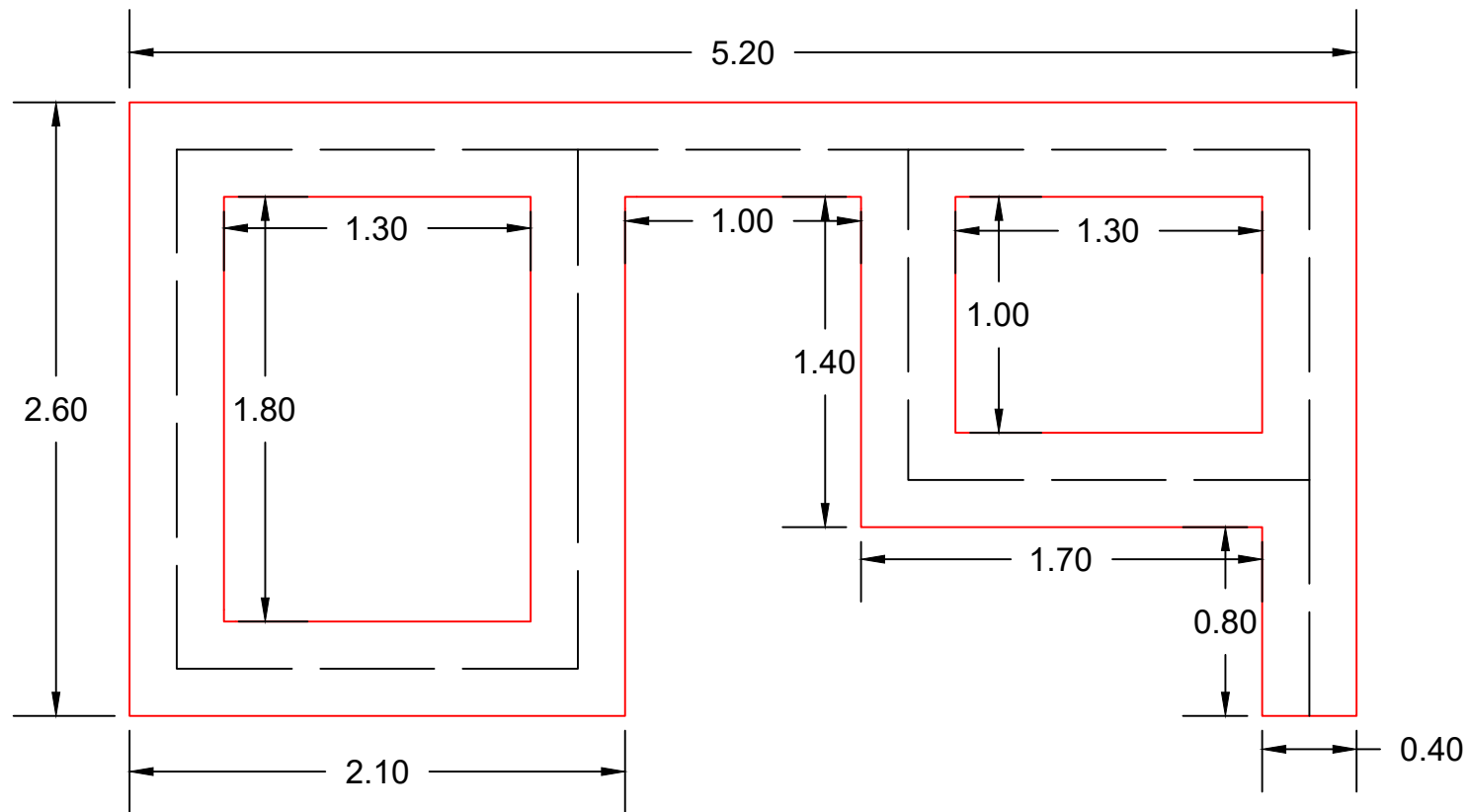
SP-WASH-SF-04

SCALE

NTS

SHEET No.

04



Strip Foundation

NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

FLOOR PLAN

DESIGN

SAMARITAN'S PURSE

FILE NAME

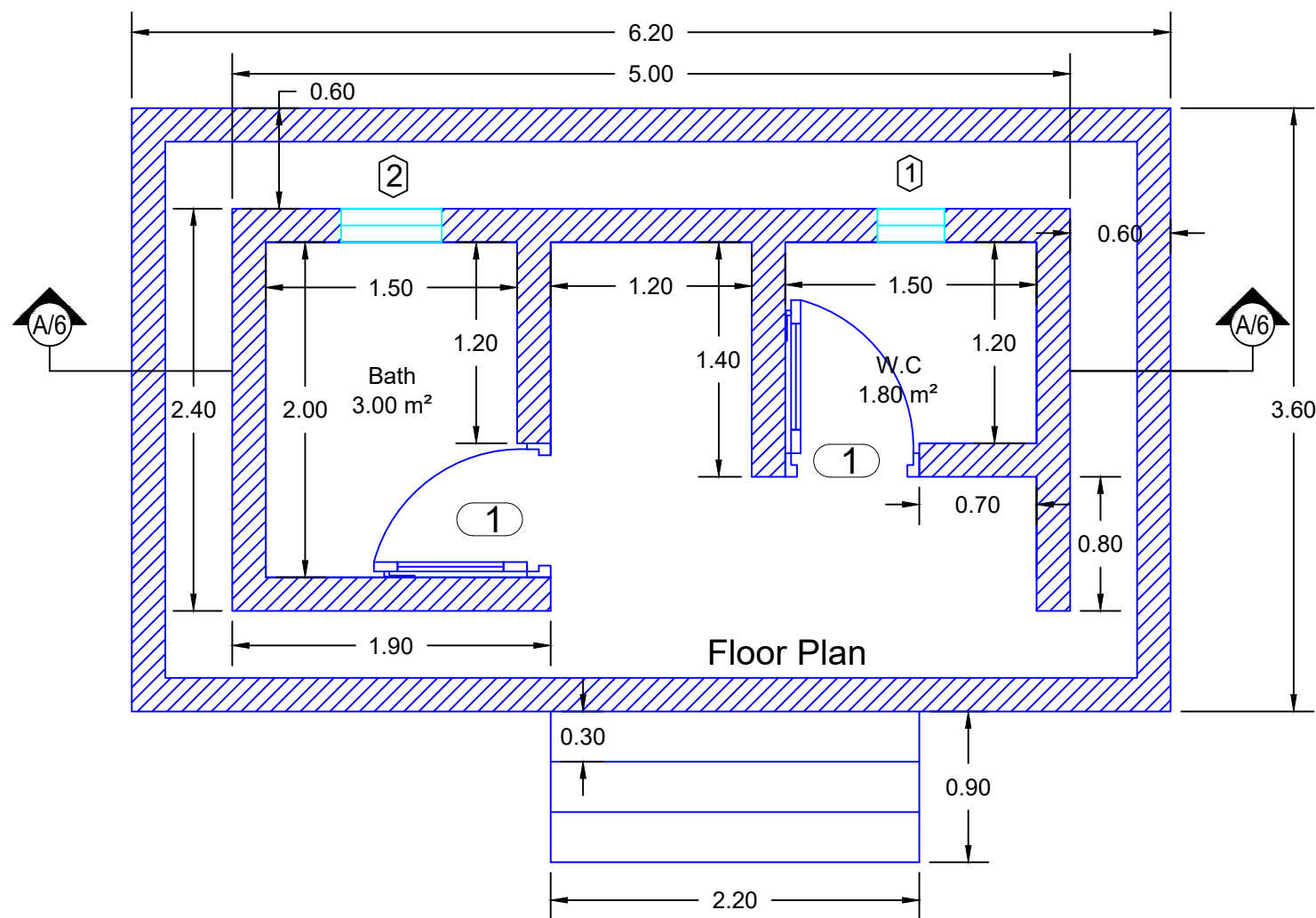
SP-WASH-FP-05

SCALE

NTS

SHEET No.

05



NOTES :

PROJECT TITLE:

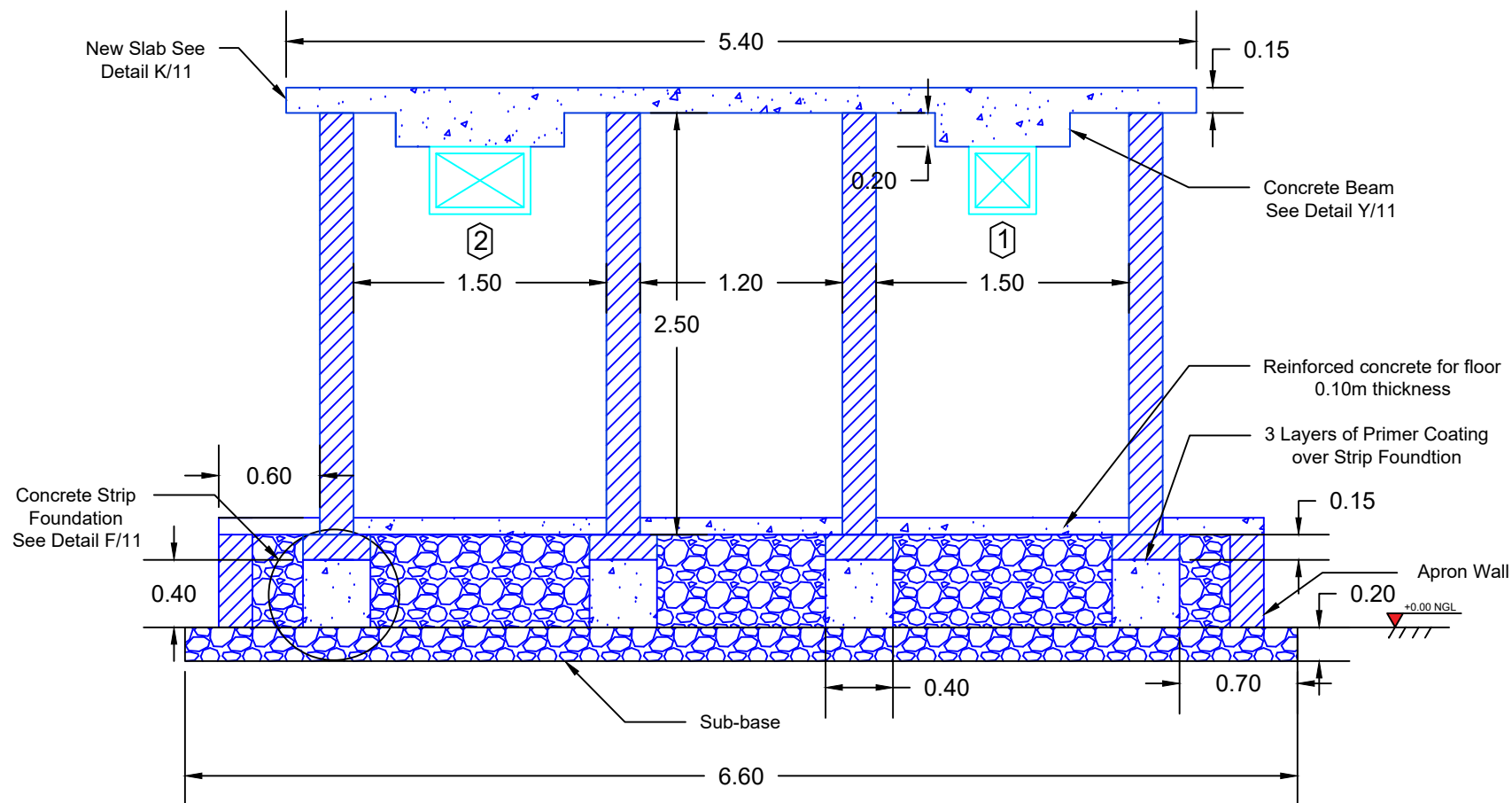
SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

BUILDING CROSS SECTION PLAN



DESIGN

SAMARITAN'S PURSE

FILE NAME

SP-WASH-CS-06

SCALE

NTS

SHEET No.

06

NOTES :

Dimensions are in meter

PROJECT TITLE:

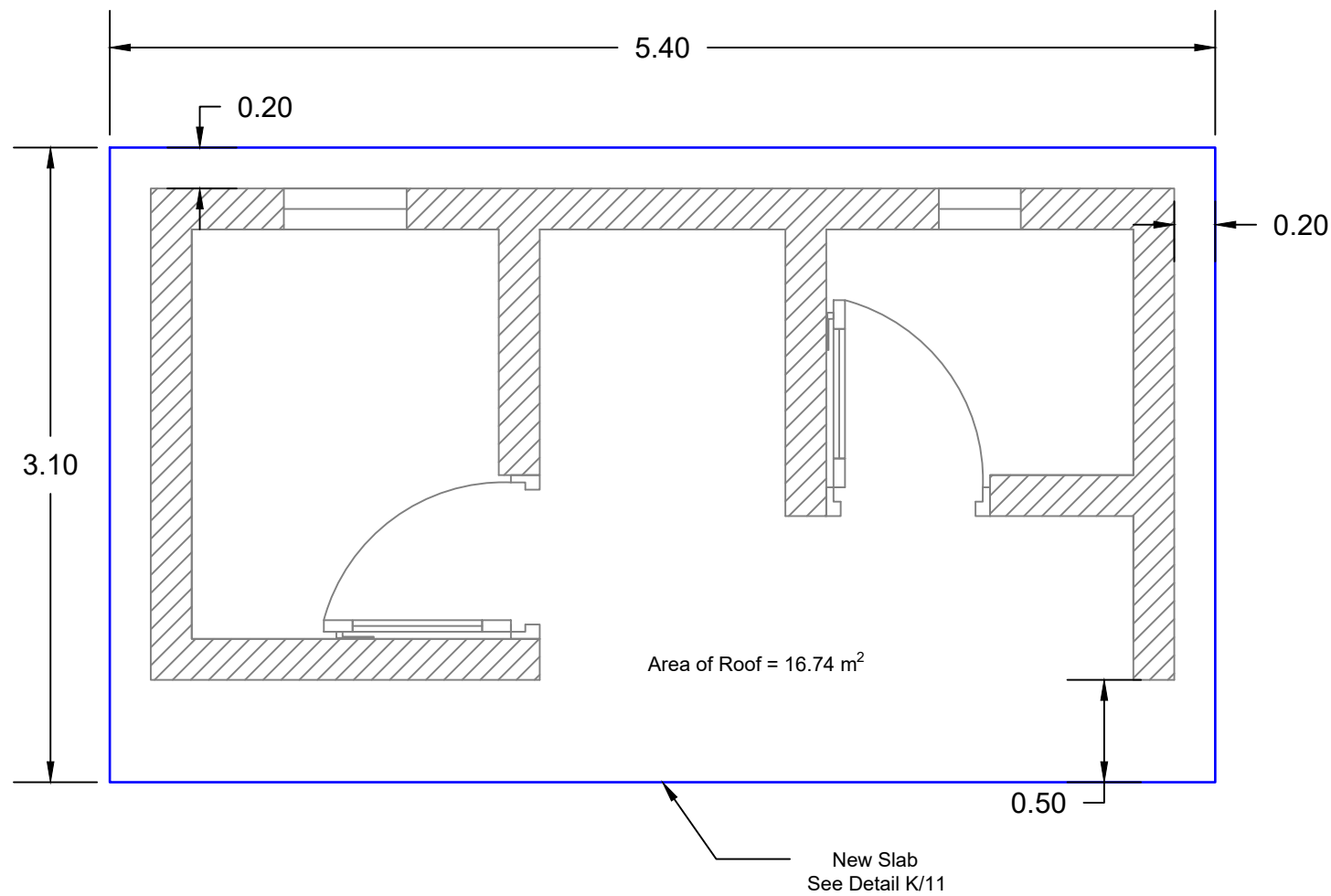
SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

SLAB PLAN



DESIGN

SAMARITAN'S PURSE

FILE NAME

SP-WASH-RP-07

SCALE

NTS

SHEET No.

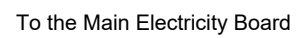
07



SANITATION STRUCTURES

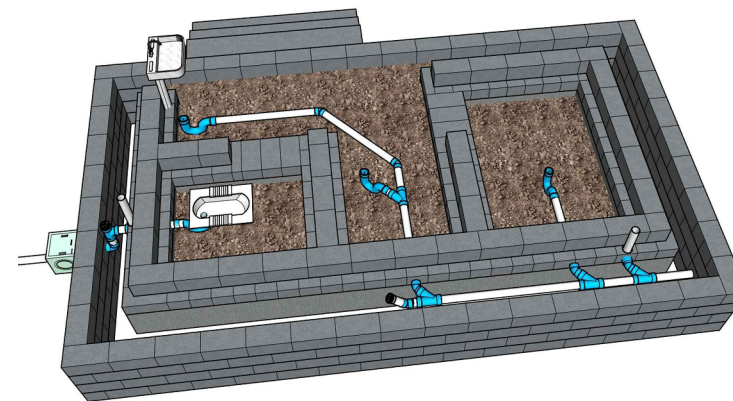
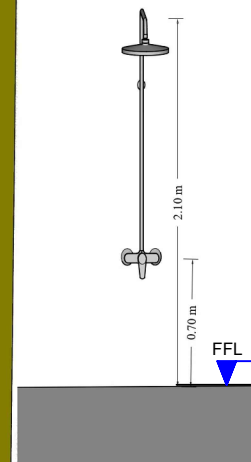
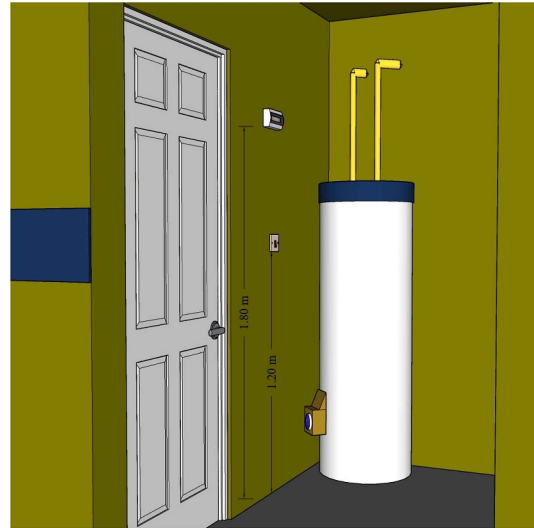
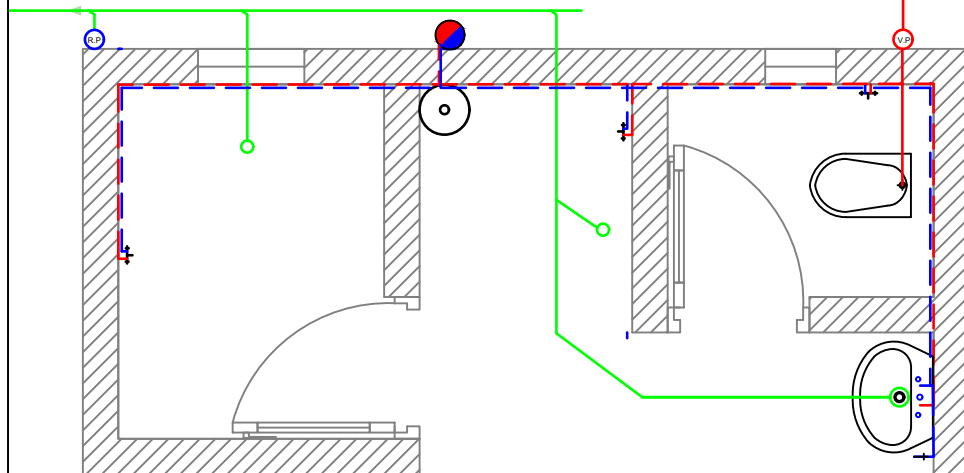
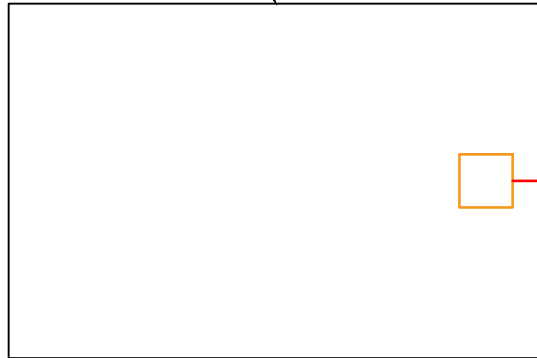
SINJAR / NINEVEH / IRAQ

ELECTRICAL PLAN



DESIGN	SAMARITAN'S PURSE
FILE NAME	SP-WASH-EP-08
SCALE	NTS
SHEET No.	08

Cesspool
See Detail A\10



NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

PLUMBING PLAN

DESIGN

SAMARITAN'S PURSE

FILE NAME

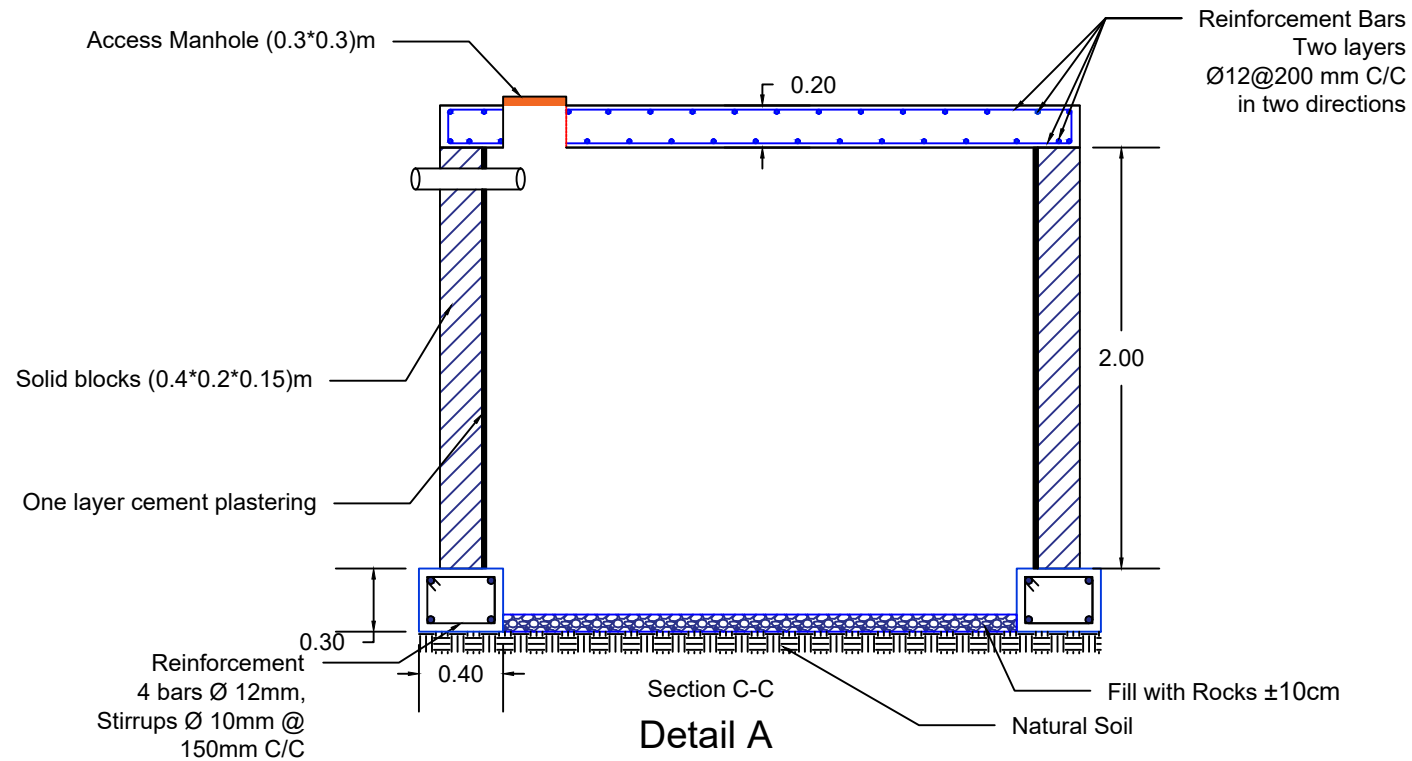
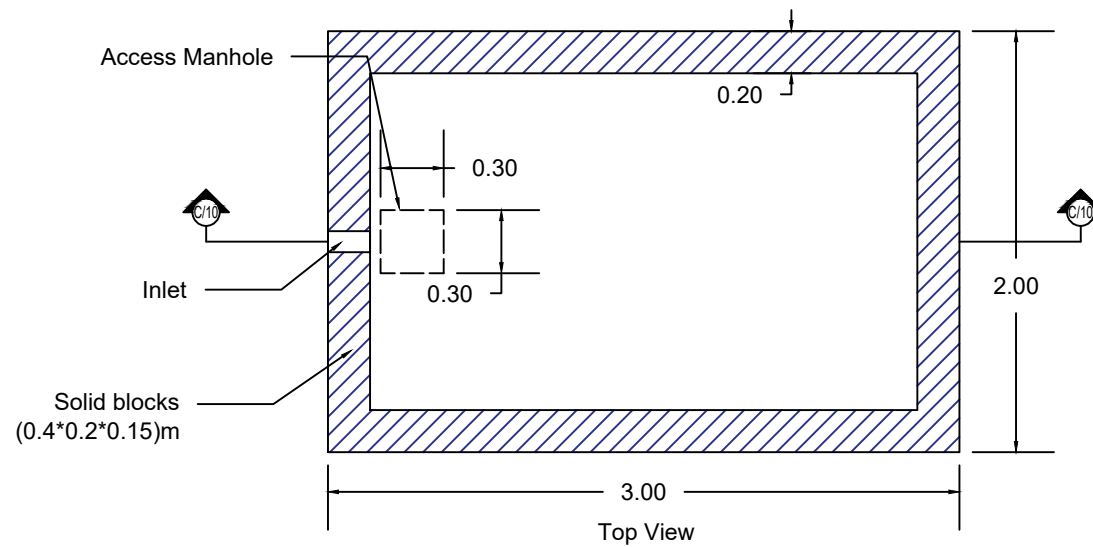
SP-WASH-PP-09

SCALE

NTS

SHEET No.

09



NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

CESSPOOL DETAILS

DESIGN

SAMARITAN'S PURSE

FILE NAME

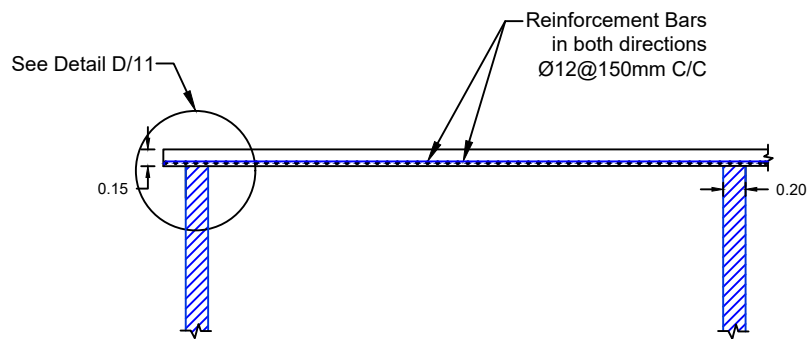
SP-WASH-CP-10

SCALE

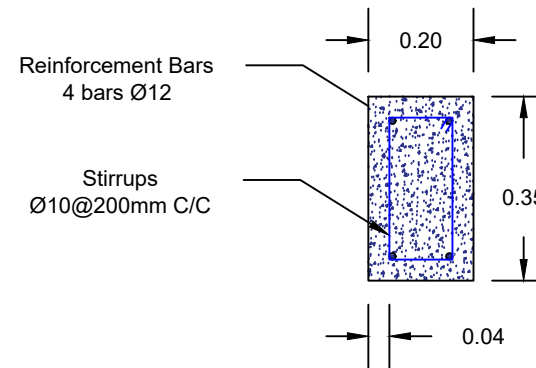
NTS

SHEET No.

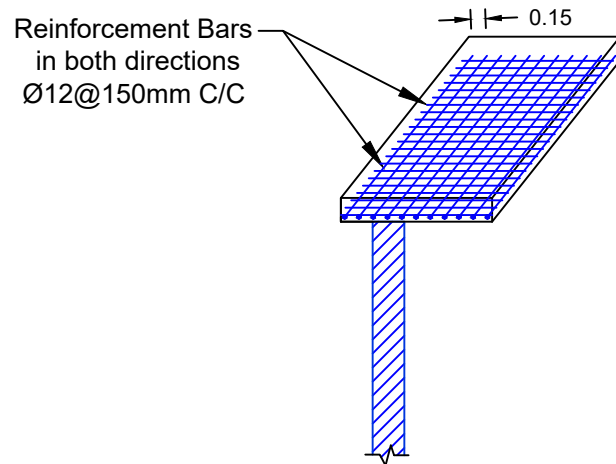
10



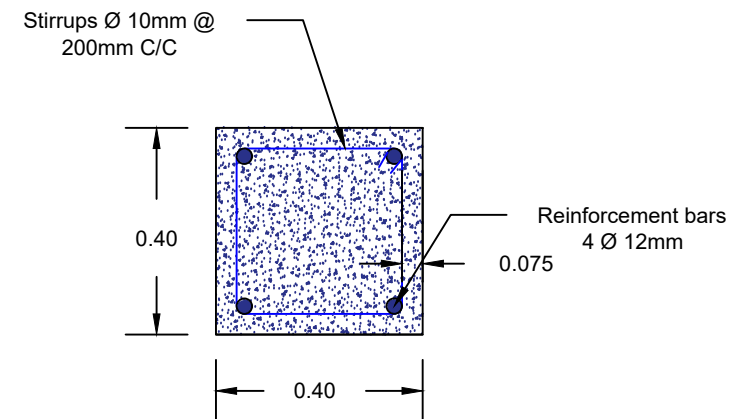
Detail K



Detail Y
Concrete Beam



3D View
Detail D



Detail F
Strip Foundation

NOTES :

PROJECT TITLE:

SANITATION STRUCTURES

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

STRUCTURAL DETAILS

DESIGN

SAMARITAN'S PURSE

FILE NAME

SP-WASH-SD-11

SCALE

NTS

SHEET No.

11