

# Rehabilitation of Solar Pipe Network in Chah Sawol Village

At

Zinda Jan District ,Herat ,Afghanistan

Implementer : Islamic Relief Worldwide-Afghanistan

Funded by : IRUK



Project: Herat Earthquake Emergency and Early Recovery Response

Scheme Name: Rehabilitation of Water Wells ,Reservoirs and Solar Pump

Scheme Code: AF020\_000133\_008

Client : IRUK

ISLAMIC RELIEF WORLDWIDE-AFGHANISTAN(IRW-A)

HEER Project

Area Office-West (Herat Province)

0 100 200 300 400 500

Rev	By	Chkd	Aprvd	Date	Description
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Note 1: All dimensions are in centimeters, except otherwise specified

Drawing: Construction

Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By:Country Level Civil Engineer

Approved by: Humanitarian Program Manager

Drawing No: 01

Revision

Drawing Scale: As shown

Date: July 2024



# GOOGLE MAP FOR REHABILITATION OF SOLAR PIPE NETWORK IN CHAH SAWOL VILLAGE



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Rev	By	Chkd	Aprvd	Date	Description

Note 1: All dimensions are in centimeters, except otherwise specified

Drawing: Construction

Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By:Country Level Civil Engineer

Approved by: Humanitarian Program Manager

Drawing No: 02	Revision
Drawing Scale: As shown	Date: July 2024





Project: Herat Earthquake Emergency and Early Recovery Response

Scheme Name: Rehabilitation of Water Wells ,Reservoirs and Solar Pump

Scheme Code: AF020\_000133\_008

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Rev	By	Chkd	Aprvd	Date	Description

Note 1: All dimensions are in centimeters, except otherwise specified

Drawing: Construction

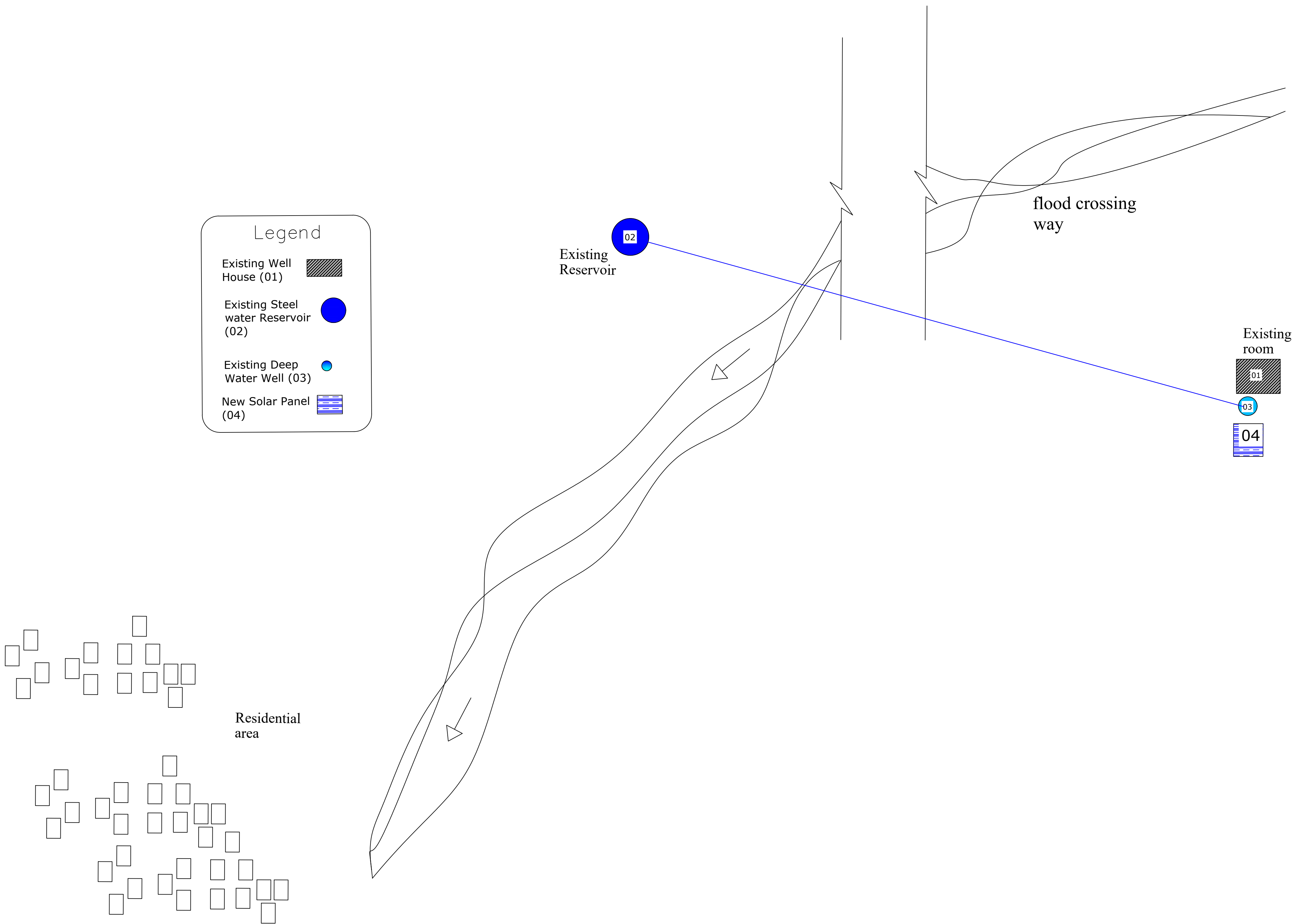
Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By:Country Level Civil Engineer

Approved by: Humanitarian Program Manager

Drawing No: 03	Revision
Drawing Scale: As shown	Date: July 2024



SITE PLAN DRAWING FOR REHABILITATION OF SOLAR PIPE NETWORK IN CHAH SAWOL VILLAGE



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Note 1: All dimensions are in centimeters, except otherwise specified

Drawing: Construction

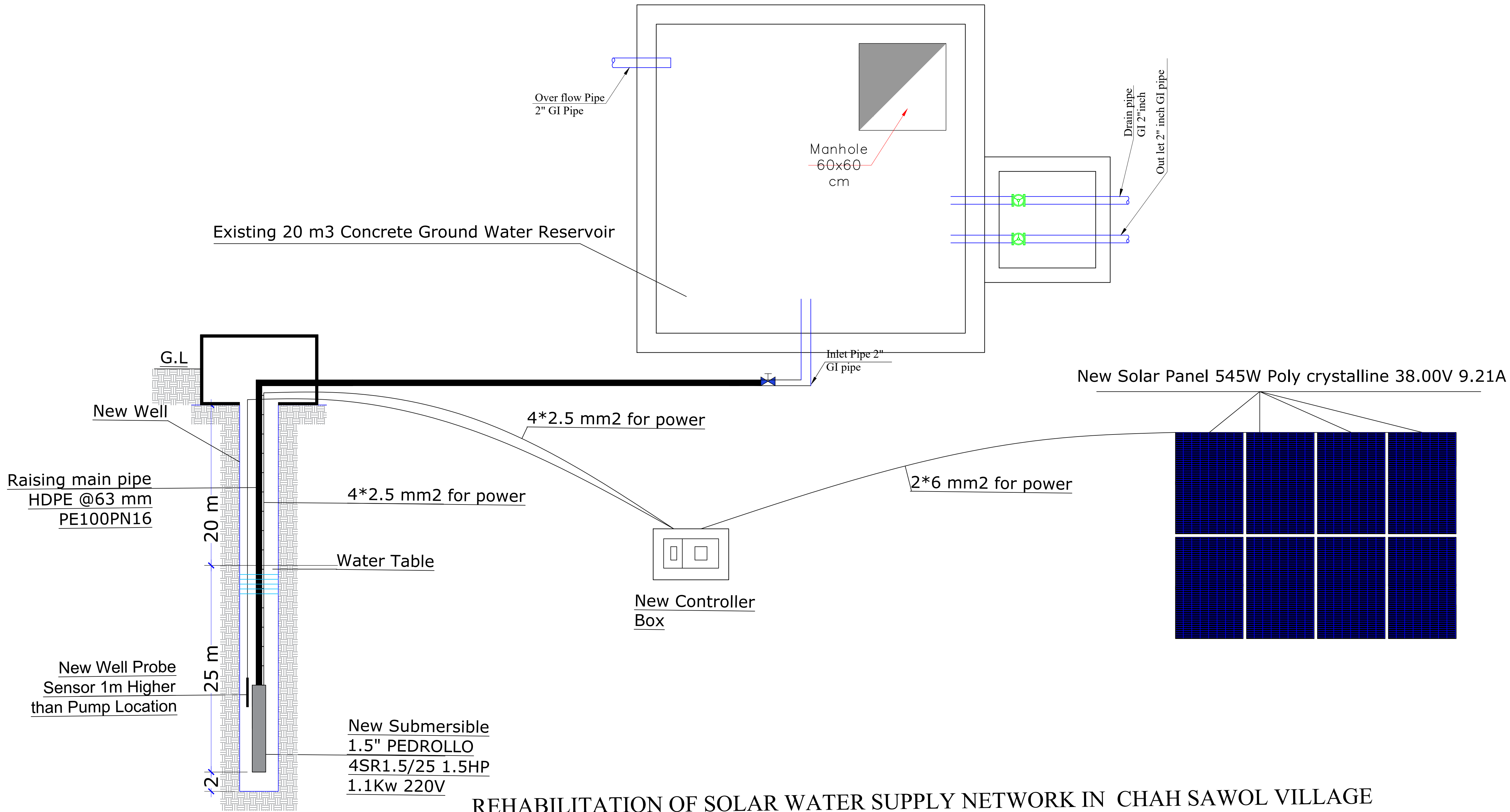
Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By:Country Level Civil Engineer

Approved by: Humanitarian Program Manager

Drawing No: 04	Revision
Drawing Scale: As shown	Date: July 2024



REHABILITATION OF SOLAR WATER SUPPLY NETWORK IN CHAH SAWOL VILLAGE



Project: Herat Earthquake Emergency and Early Recovery Response

Scheme Name: Rehabilitation of Water Wells, Reservoirs and Solar Pump

Scheme Code: AF020\_000133\_008

Client : IRUK  
ISLAMIC RELIEF WORLDWIDE-AFGHANISTAN(IRW-A)  
HEEER Project  
Area Office-West (Herat Province)



Rev	By	Chkd	Aprvd	Date	Description

Note 1: All dimensions are in centimeters, except otherwise specified

Drawing: Construction

Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By: Country Level Civil Engineer

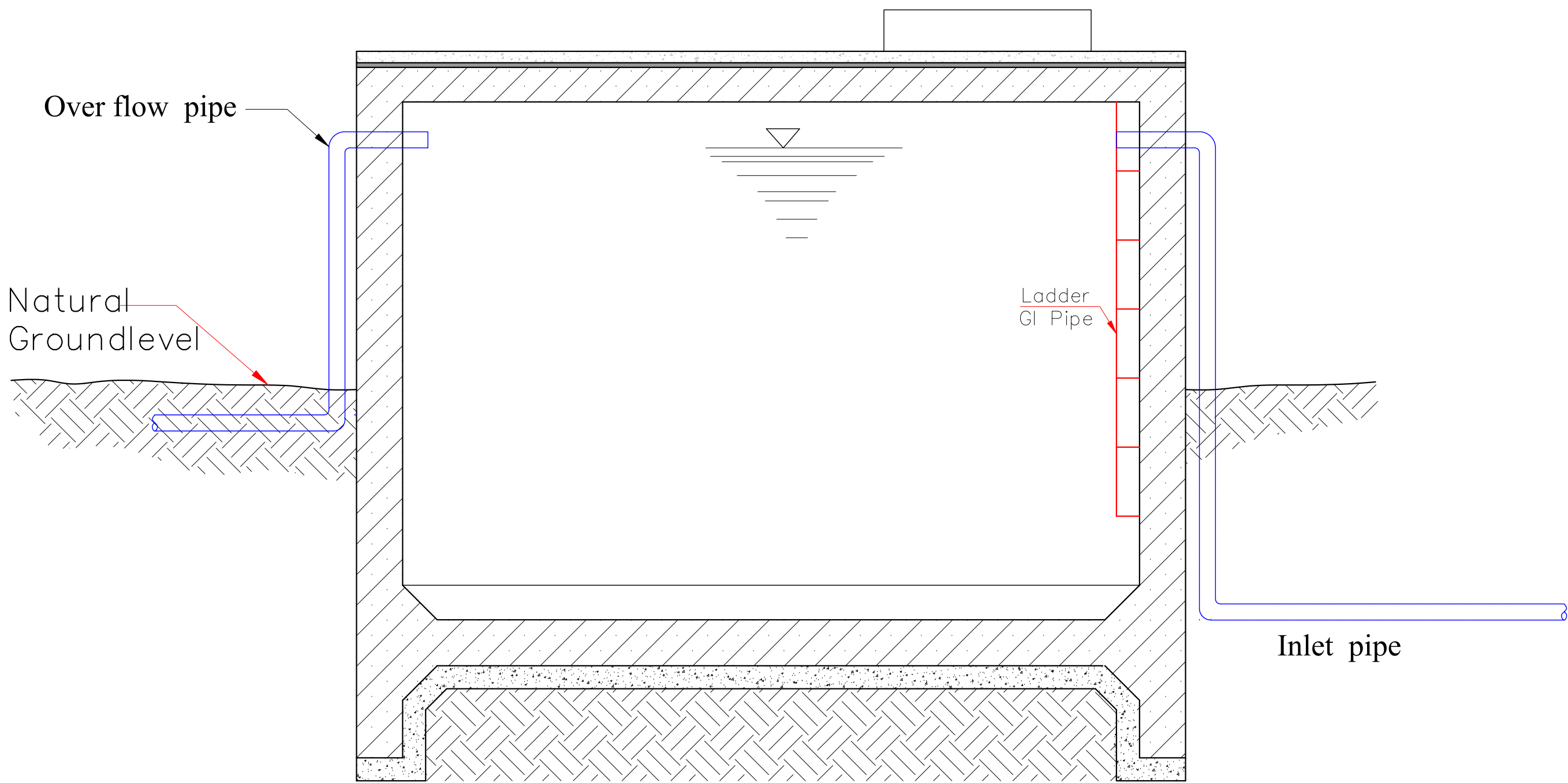
Approved by: Humanitarian Program Manager

Drawing No: 05

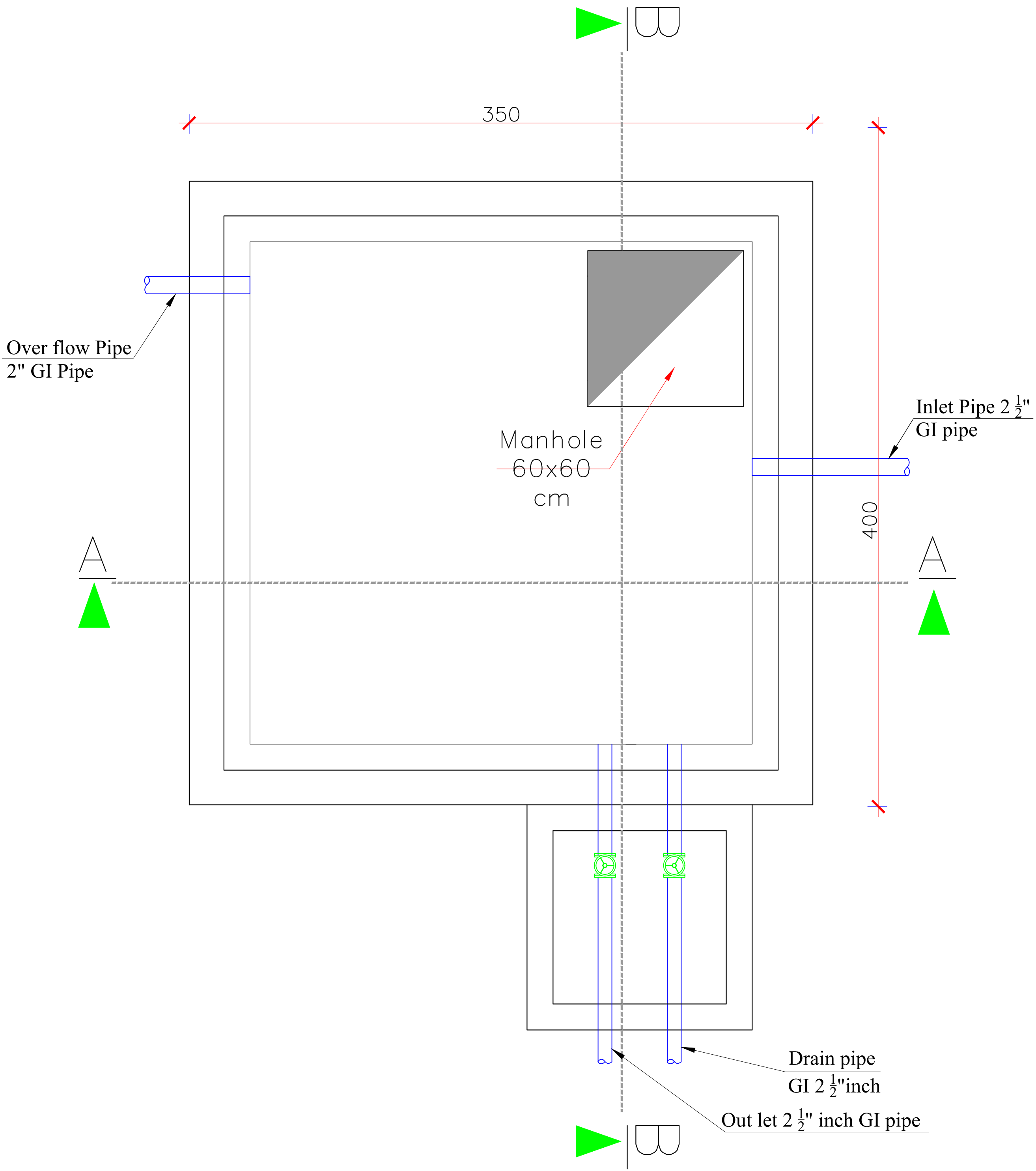
Revision

Drawing Scale: As shown

Date: July 2024

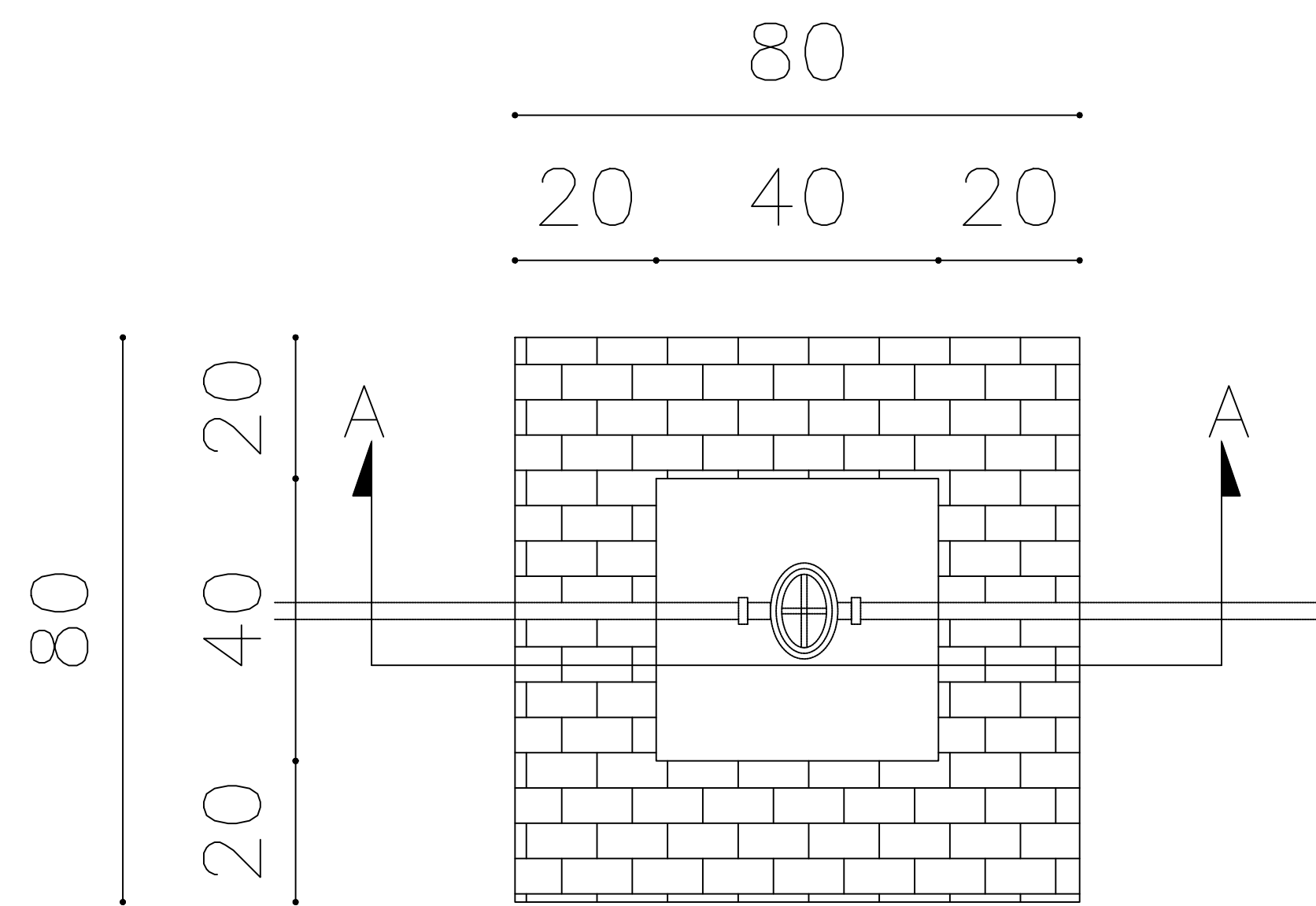


SECTION A-A OF WATER RESERVOIR

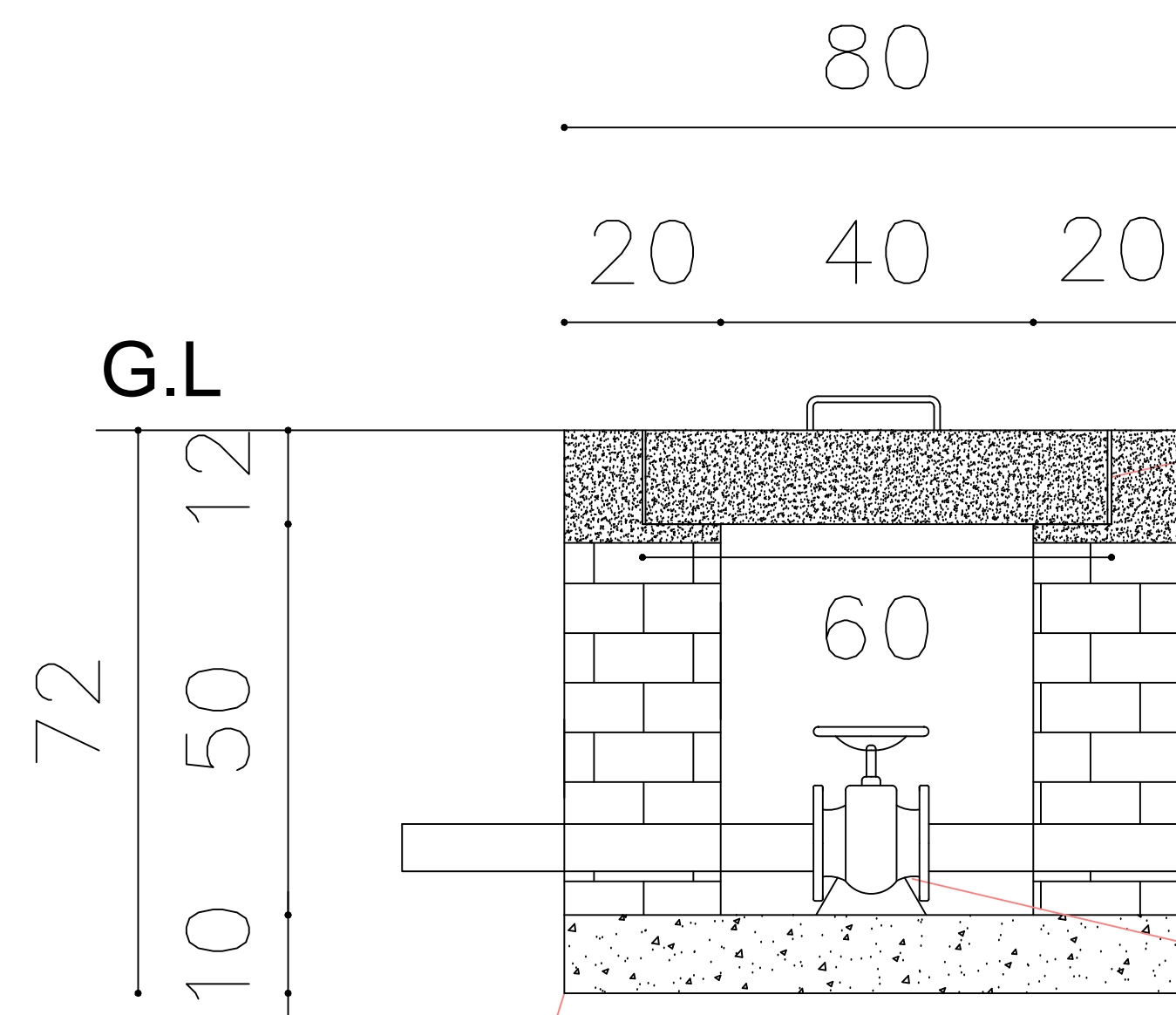


PLAN OF EXISTING WATER RESERVOIR





GATE VALVE BOX



10 cm pcc M150

SECTION A-A

12 cm RCC Slab with Ø12mm  
@ 15 cm both Direction  
Plaster 1:4

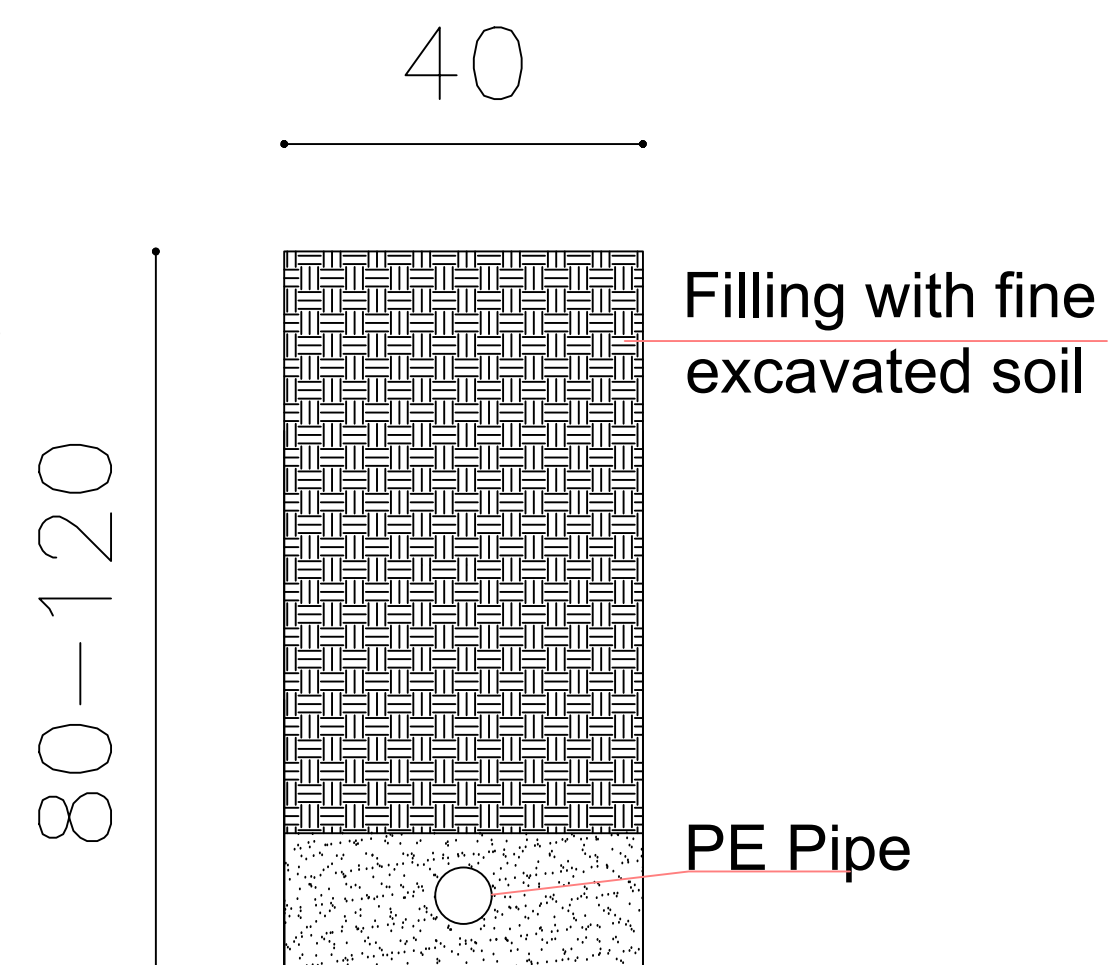
20 cm brick masonry 1:4

PE Pipe

Gate Valve

Note:

- Hand tamp the soft soil backfill fully at the side of the pipe
- Hand tamping should continue until a minimum Thickness of 200mm has been placed over the pipe



HDPE Pipe Lying



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Drawing: Construction

Prepared by: WASH OFFICER

Reviewed by: Program Coordinator

verified By: Country Level Civil Engineer

Approved by: Humanitarian Program Manager

Drawing No: 06

Revision

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Date: July 2024