

World Vision International

World Vision Afghanistan

Faryab Zonal Office


WASH Sector

DAWAM WASH Project

Drawing and Estimation of Solar Powered Water Supply Network

Project Name: Farhad Village Rehabilitation Water Supply System

Ansar Kazimi


box SIGN 18L933W6-4W29LWP8

Aug 19, 2024

Yama Hewadmal


box SIGN 4YWZR85Q-4W29LWP8

Aug 20, 2024

Farooq Jawid


box SIGN 1JRW5XYR-4W29LWP8

Aug 20, 2024

Farhad Water Supply Rehabilitation Project Layout



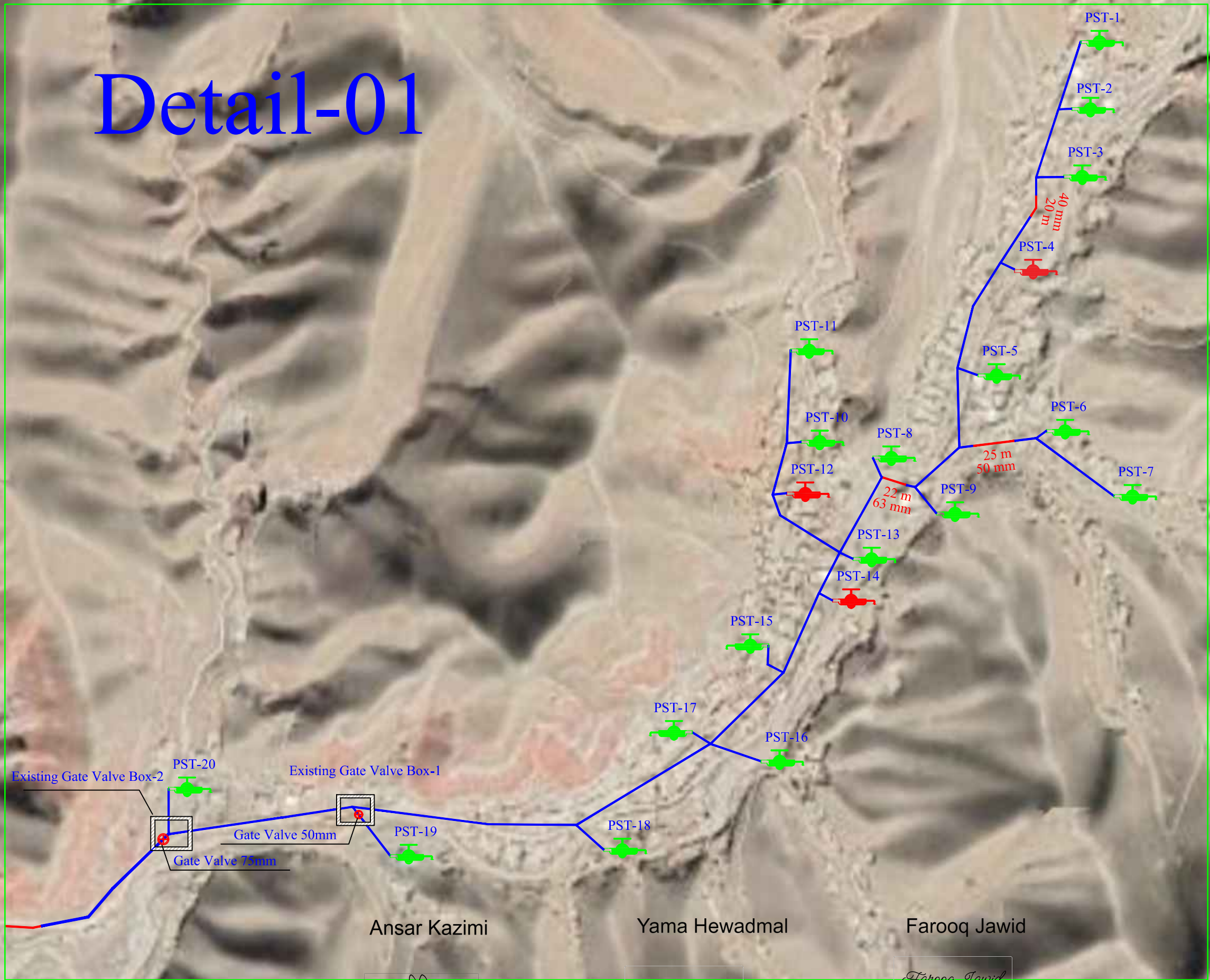
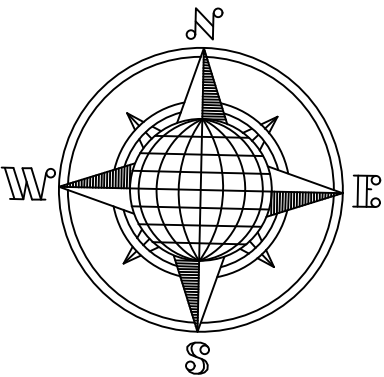
Ansar Kazimi

Yama Hewadmal

Farooq Jawid

Farhad Water Supply Rehabilitation Project Layout

Detail-01



Legend

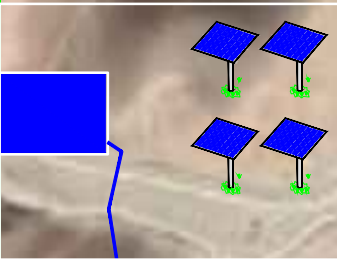
- Existing Pipe Line Deferent Diameter
- Pipe Line Need Replacement
- PST
- Public Stand Tap Need Rehabilitation
- Public Stand Tap
- Existing Gate Valve Box
- Existing Solar Panels
- Existing Reservoirs

Farhad Water Supply Rehabilitation Project Layout

Detail-02



Existing Ground Water Tank-1 and Solar Panels, EL=602 m



3010 m
75 mm

Existing Ground Water Tank-2, EL=703 m

Legend

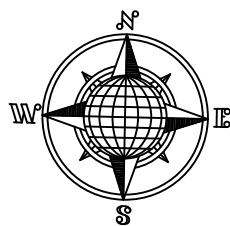
- Existing Pipe Line Different Diameter
- Pipe Line Need Replacement
- PST
Public Stand Tap Need Rehabilitation
- PST
Public Stand Tap
- Existing Gate Valve Box
- Existing Solar Panels
- Existing Reservoirs

Ansar Kazimi

Yama Hewadmal

Farooq Jawid

Farhad Water Supply Rehabilitation Project Layout



Detail-01

Detail-02

Existing Ground Water Tank-1 and Solar Panels, EL=602 m

3010 m
75 mm

Existing Ground Water Tank-2, EL=703m

Existing Gate Valve Box-2

Existing Gate Valve Box-1

Gate Valve 75mm

Gate Valve 50mm

Legend

- Existing Pipe Line Deferent Diameter
- Pipe Line Need Replacement
- PST Public Stand Tap Need Rehabilitation
- PST Public Stand Tap
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- Existing Solar Panels
- Existing Reservoirs

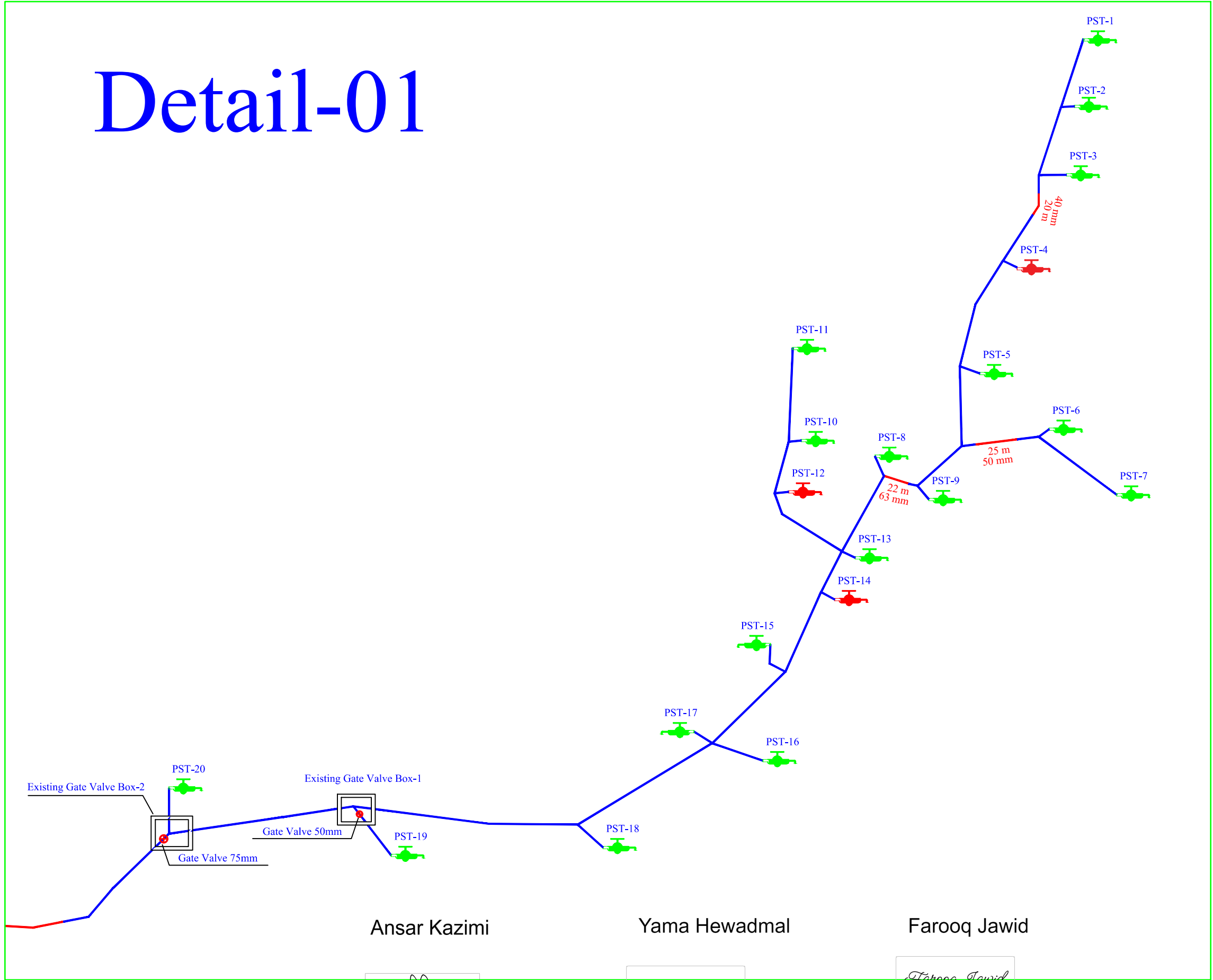
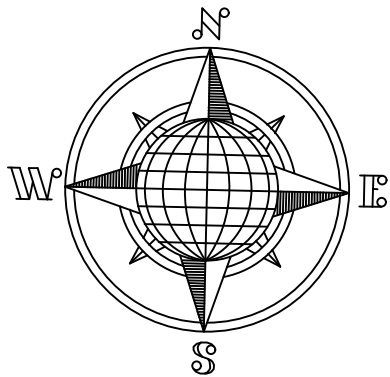
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Farhad Water Supply Rehabilitation Project Layout

Detail-01

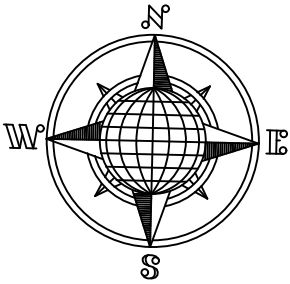


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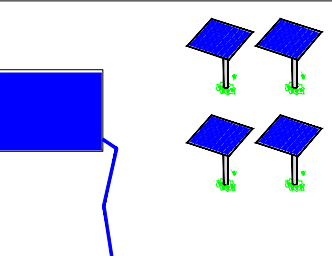
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Farhad Water Supply Rehabilitation Project Layout

Detail-02



Existing Ground Water Tank-1 and Solar Panels, EL=602 m



3010 m
75 mm

Existing Ground Water Tank-2, EL=703 M



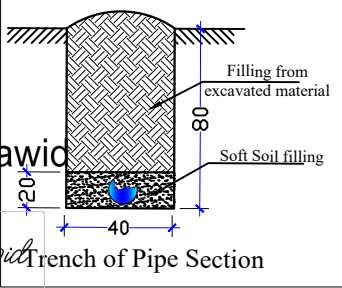
Legend


- Existing Pipe Line Deferent Diameter
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Ansar Kazimi

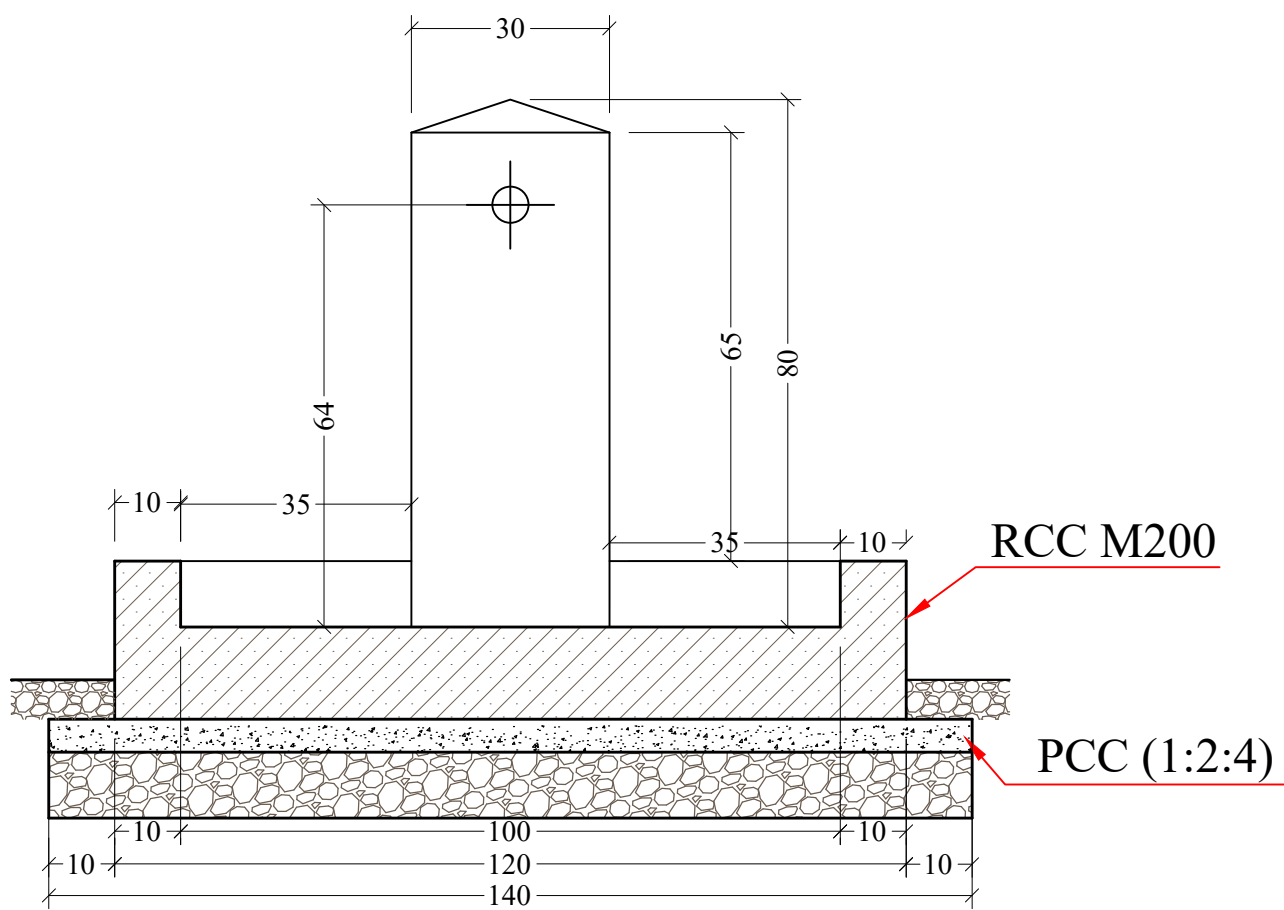
Yama Hewadmal

Farooq Jawid

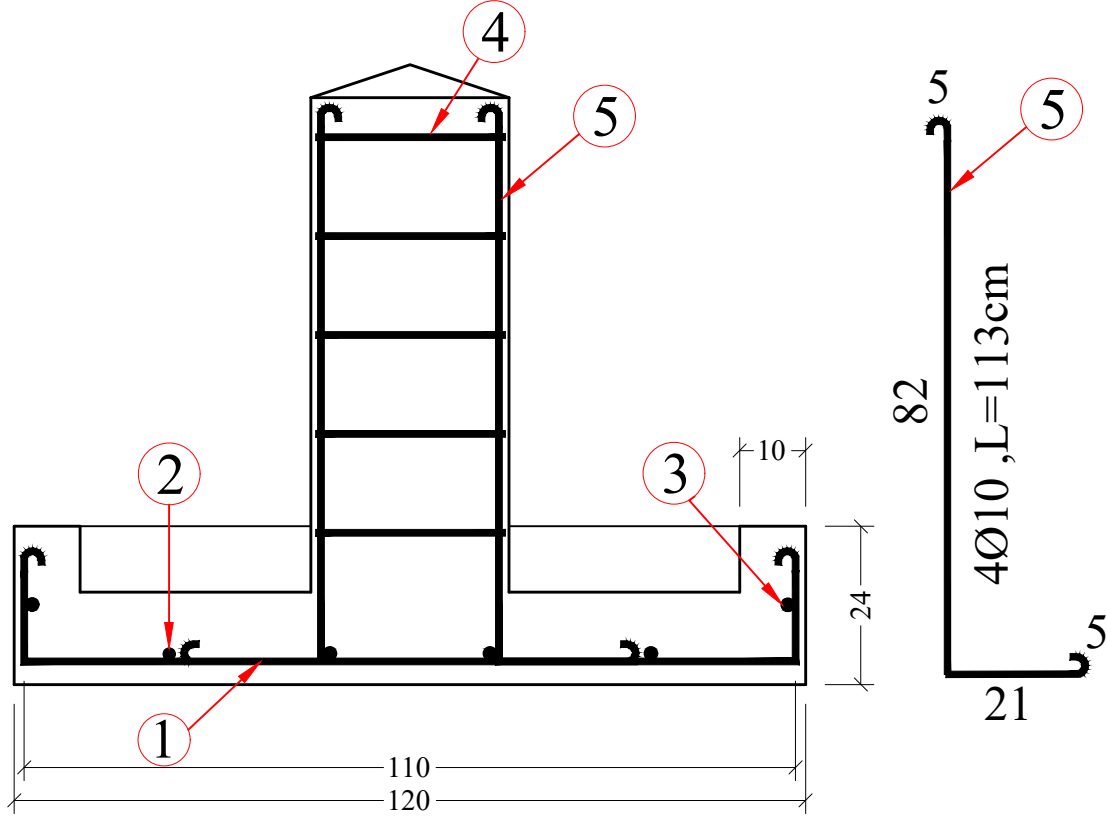


SURVEYED BY	Eng. Ansar Kazimi	CHECKED BY	WASH Coordinator	SCALE		SHEET NO. 	PROVINCE	Faryab	PROJECT NAME: <i>Farhad Solar Water Supply Pipe Scheme</i>
DESIGNED BY	Eng. Ansar Kazimi	REVIEWED BY	WASH Advisor	DATE			DISTRICT	Shirin Tagab	
DRAWN BY	Eng. Ansar Kazimi	APPROVED BY	Project Director/Manager	DRAWING NO.			VILLAGE	Farhad village	DRAWING TITLE: Public Stand Tap

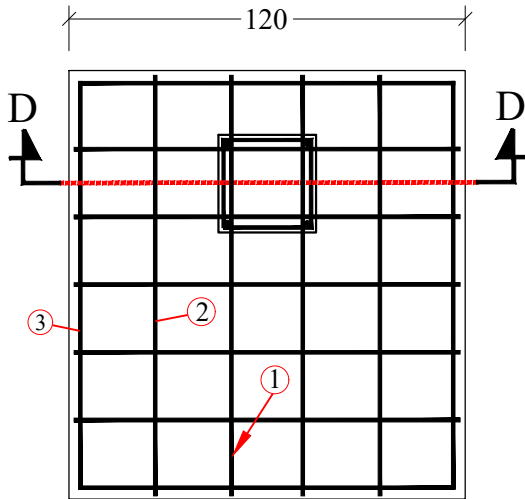
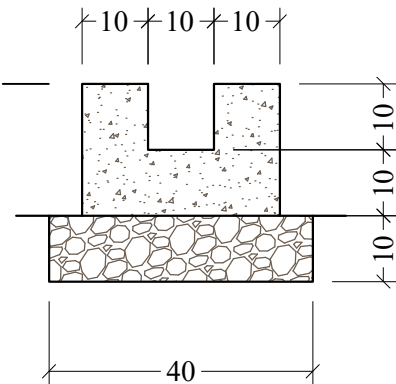
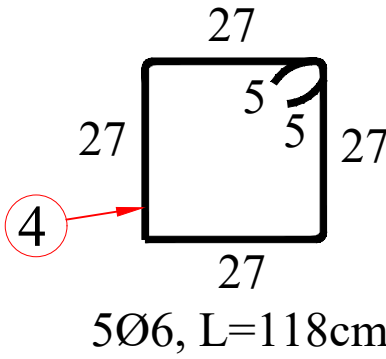
Stand Tap Section



Section B-B



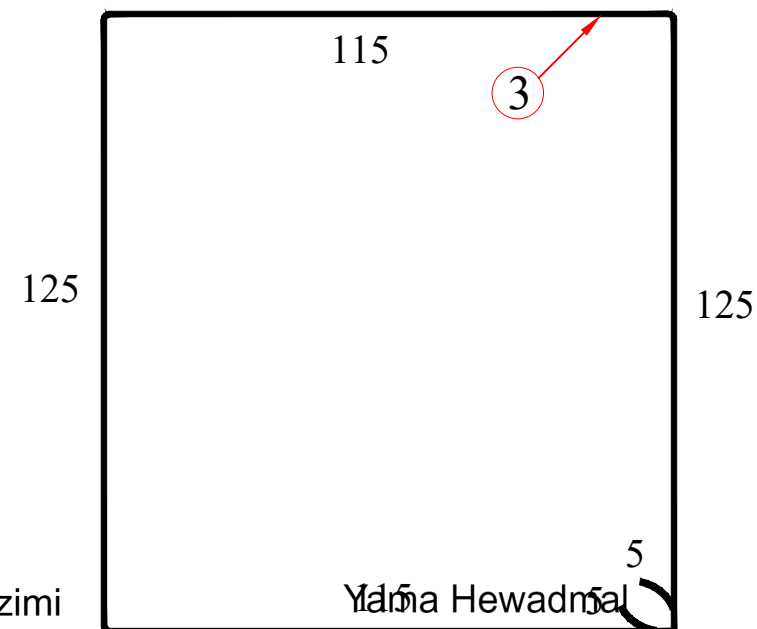
Section D-D



Ansar Kazimi

Yama Hewadmal

Farooq Jawid



Yama Hewadmal

Diagram of a beam section with a circular hole. The beam has a total length $L=160\text{cm}$ and is reinforced with $5\text{Ø}6@21\text{c/c}$. The hole is located 116cm from the left end. The beam has a height of 17cm and a width of 5cm . A red arrow points to the hole, which is labeled with a circled '1'.

Diagram of a reinforced concrete beam cross-section. The beam has a total width of 17 cm and a height of 17 cm. The top reinforcement consists of 5 bars, with 2 bars highlighted in a red circle and an arrow pointing to them. The bottom reinforcement consists of 5 bars. The distance between the centerlines of the top and bottom reinforcement is 127 cm. The reinforcement is specified as 4Ø6@23c/c L=171cm.