

World Vision International
World Vision Afghanistan
Faryab Zonal Office



WASH Sector
DAWAM WASH PROJECT

Design and Estimation of Water Supply Project

Project Name: Now Abad, Dara Zang Rehabilitation water supply project

Village: Naw Abad Dara Zang.
District: Gurziwan
Province: Faryab

Brief Information

- ✓ No. of Existing NW covered family: 3418
- ✓ No. of New covered family: 220
- ✓ No. Of New Taps= 11
- ✓ Stone Masonry Reservoir =25m3
- ✓ Work days = 45 days
- ✓ Length of Extended Network=2838m

Sayed Masoud Tural



box SIGN 46Z55J5Q-13VZ5L59

Sep 2, 2024

Yama Hewadmal



box SIGN 4YWZRB5Q-13VZ5L59

Sep 2, 2024

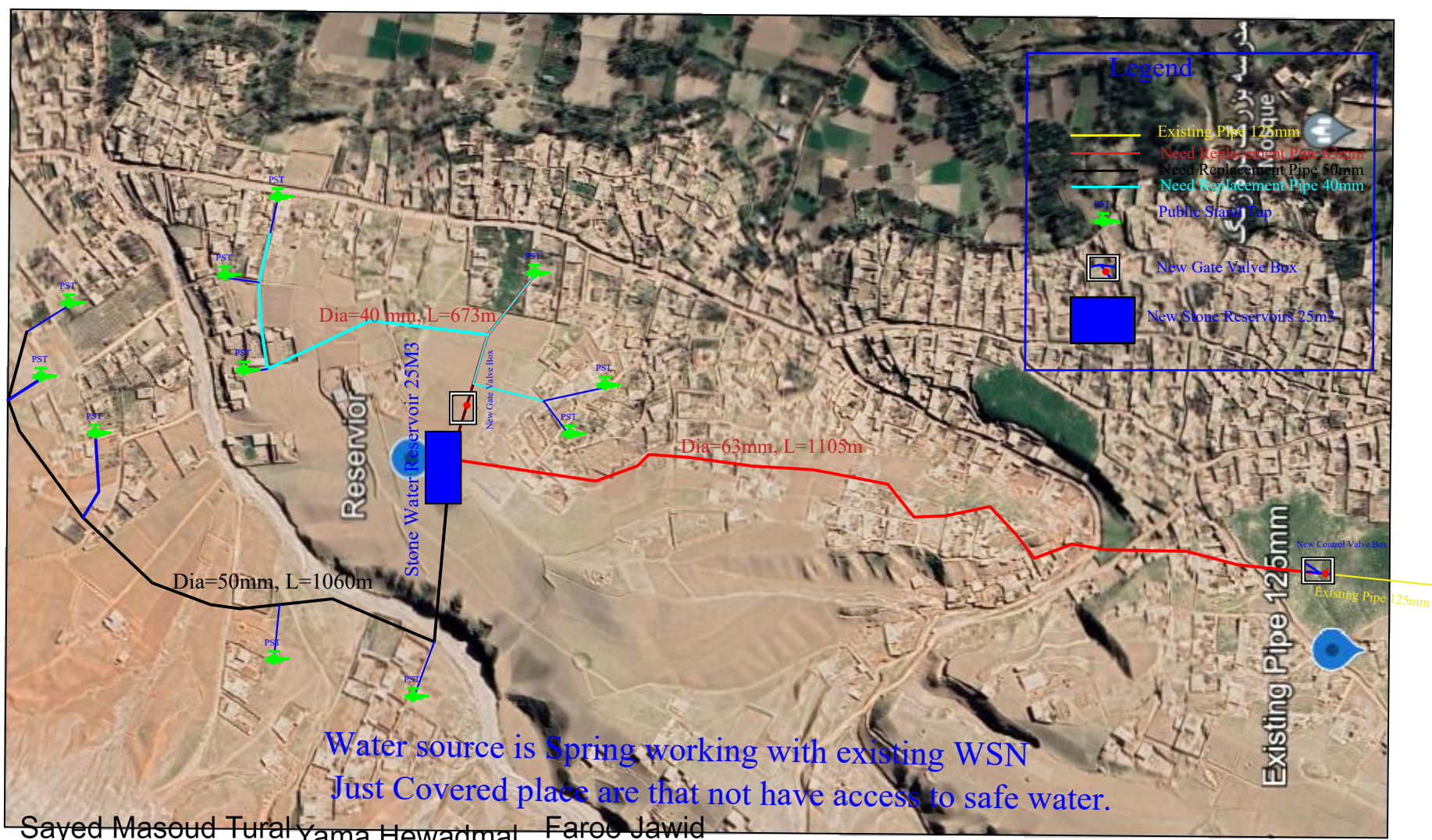
Faroo Jawid



box SIGN 4YVZ5L59-13VZ5L59

Sep 2, 2024

Site Plan



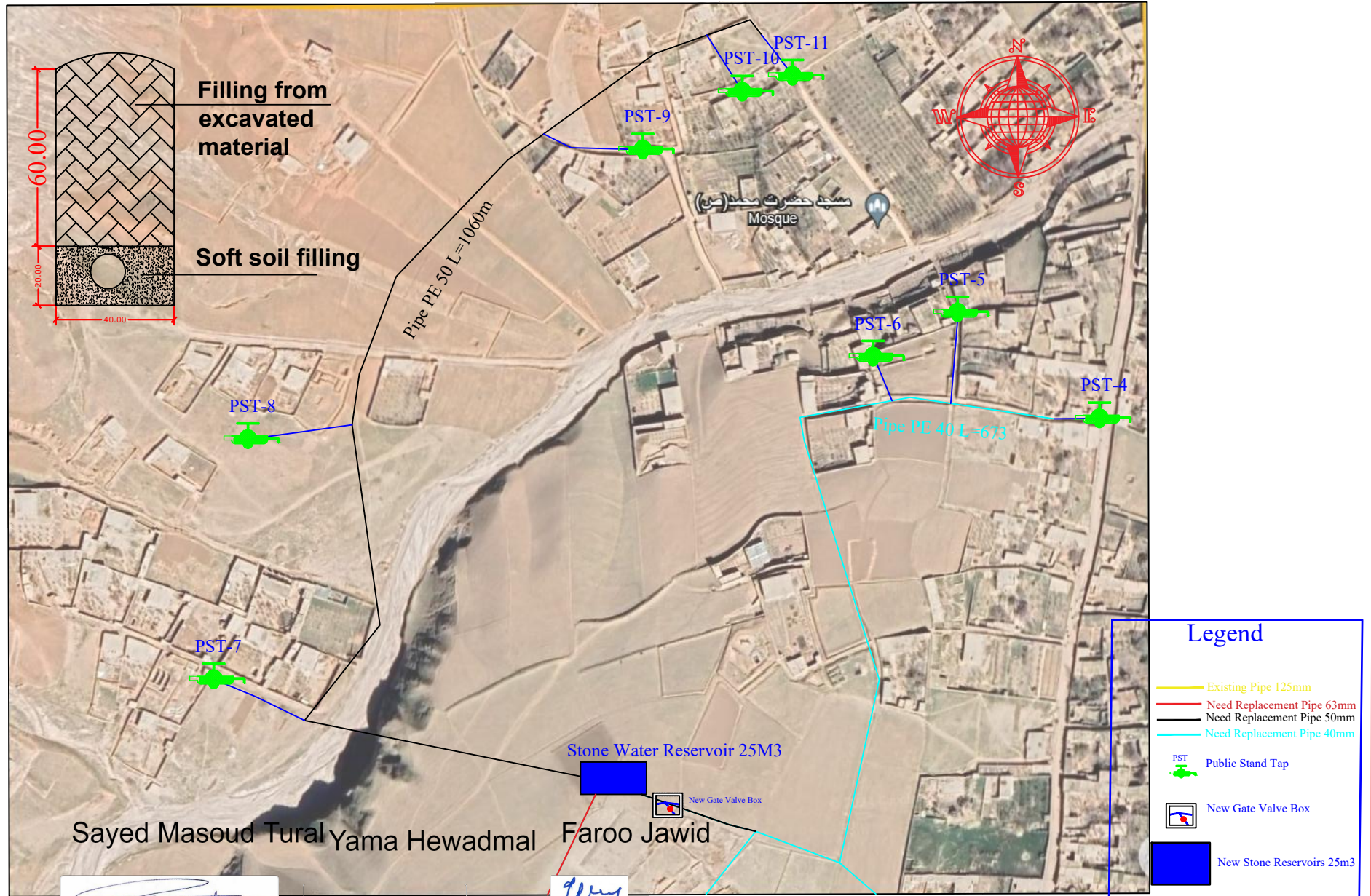
World Vision DESIGN	DRAWN BY Sayed Masoud Tural	CHECKED BY Sayed Masoud Tural	WASH Coordinator SCALE	SHEET NO. 1/11	PROVINCE Faryab	PROJECT NAME: Naw Abad Dara Zang
	BY Sayed Masoud Tural	REVISION Sayed Masoud Tural	WASH Advisor DATE	DISTRICT Naw Abad Dara Zang	District Gurziwan	DRAWING TITLE: Site Plan
	APPPROVED BY Sayed Masoud Tural	APPROVED BY Sayed Masoud Tural	Project Director/Manager DRAWING NO.	PROVINCE Faryab	District Gurziwan	PROJECT NAME: Naw Abad Dara Zang
	DESIGN 4-255774-13-2389	DESIGN 4-255774-13-2389	DESIGN 4-255774-13-2389	PROVINCE Faryab	District Gurziwan	PROJECT NAME: Naw Abad Dara Zang








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Site Plan



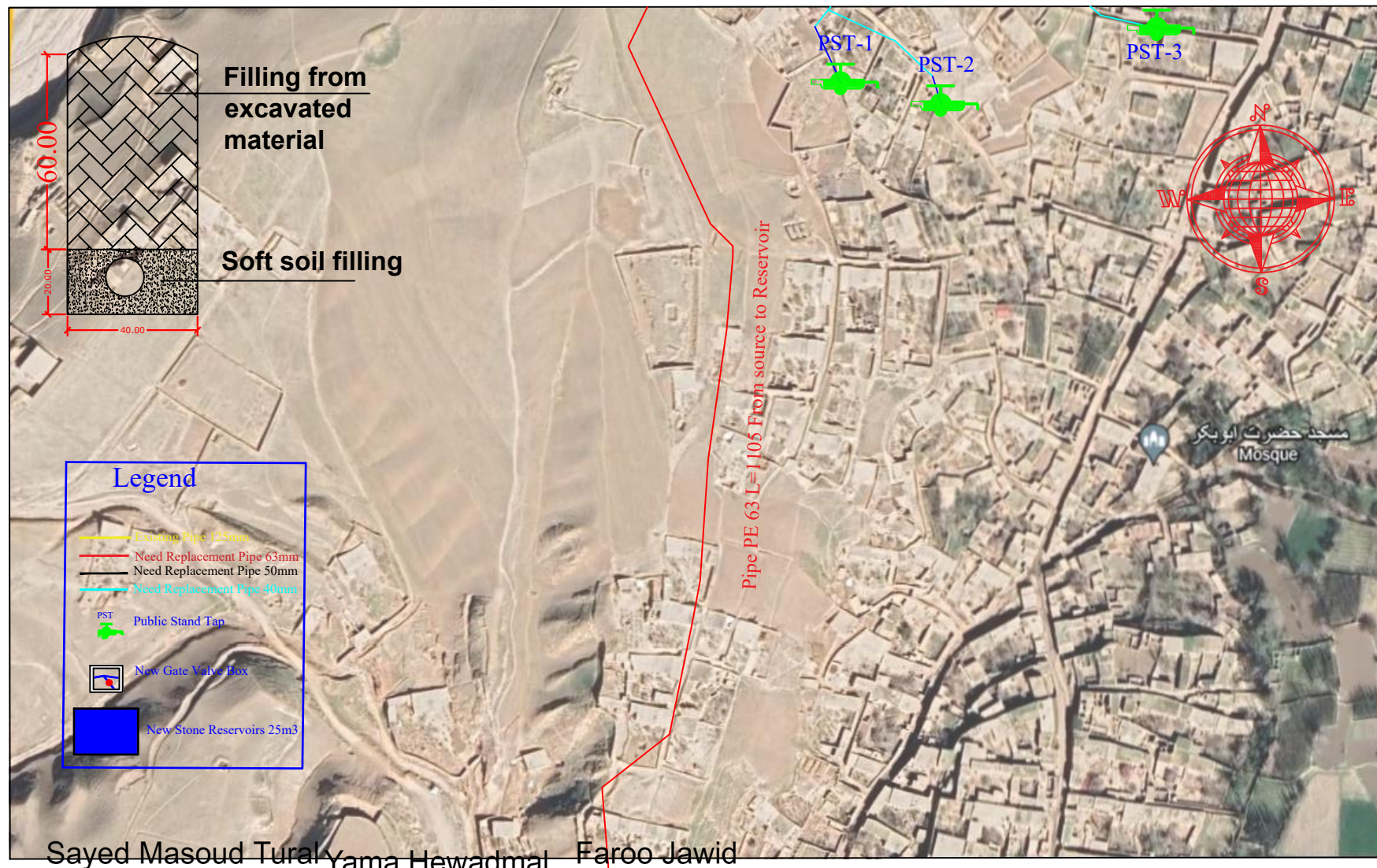
 World Vision ورلد ویژن	 BY  Sayed Masoud Tural		 CHECK	WASH Coordinator	SCALE	SHEET NO. 	PROVINCE	Faryab	PROJECT NAME: Naw Abad Dara Zang	
	DESIGNED BY  Sayed Masoud Tural			WASH Advisor	DATE		DISTRICT	Gurziwan	DRAWING TITLE: Site Plan	
	DRAWN BY  Sayed Masoud Tural			APPROVED BY	Project Director/Manager		DRAWING NO.	Naw Abad Dara Zang		Rehabilitation of Water Supply


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Site Plan



	BY	Sayed Masoud Tural	CHECK	WASH Coordinator	SCALE		SHEET NO. 1/11	PROVINCE	Faryab	PROJECT NAME: Naw Abad Dara Zang
	BY	Sayed Masoud Tural	REVIEW	WASH Advisor	DATE			DISTRICT	Gurziwan	
		Sayed Masoud Tural	APPROVE	Project Director/Manager	DRAWING NO.			Naw Abad Dara Zang	Rehabilitation of Water Supply.	

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Site Plan



Work box SIGN ورلد ویژن	BY	Sayed Masoud Tural	CHECK	WASH Coordinator	SCALE		SHEET NO.	1/11	PROVINCE	Faryab	PROJECT NAME:	Naw Abad Dara Zang
	BY	Sayed Masoud Tural	REVIEW	WASH Advisor	DATE				DISTRICT	Gurziwan	DRAWING TITLE:	Site Plan
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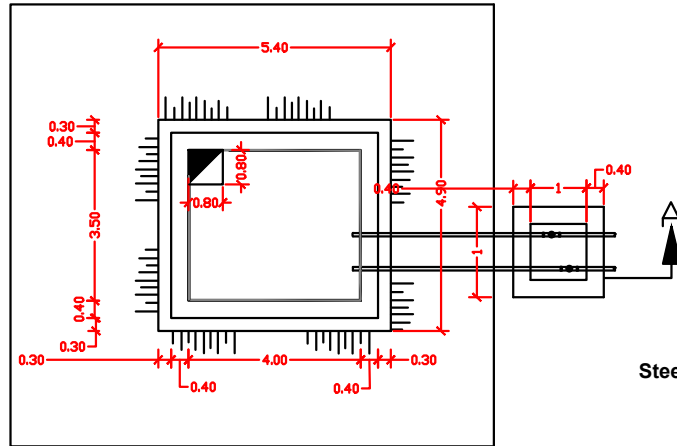
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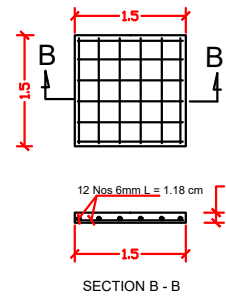
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Water reservoir Detail,V=25m3

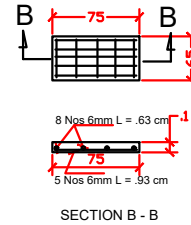
Water reservoir plan,V=25m3



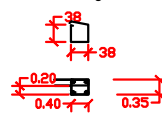
Steel detail of valve box slab



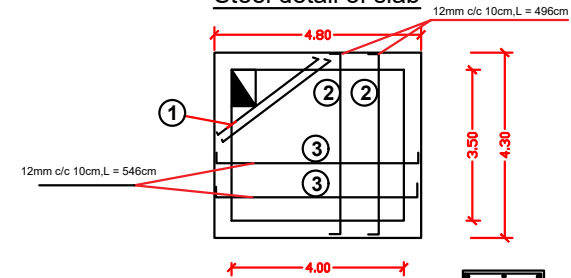
Steel detail of manhole slab



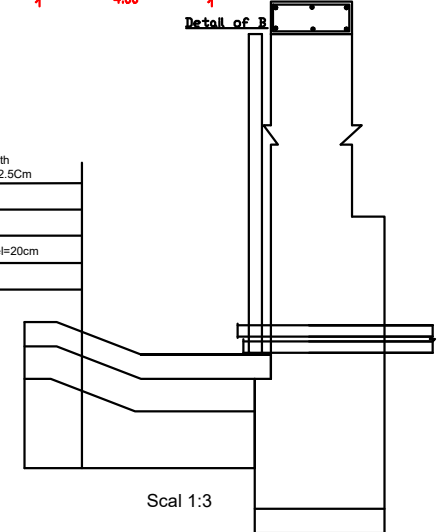
Detail of ring beam



Steel detail of slab



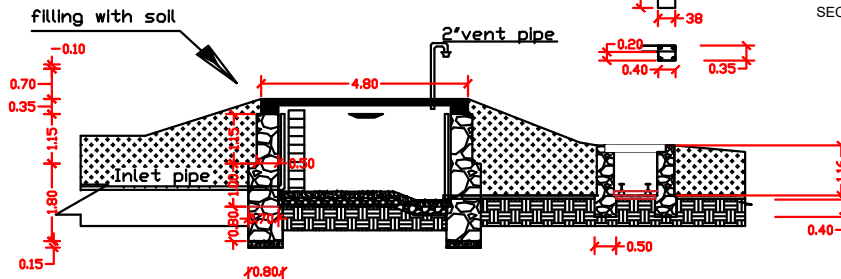
Cement plaster with
isolating powder=2.5cm
bitumen
Concrete=15cm
compacted Gravel=20cm
compacted Soil



Scal 1:3

Steel bar schedule for reservoir slab

Bar No.	Bar dia (mm)	Num. of bar	Length (m)	Total length (m)	Weight (kg/m)	Total weight (kg)	Total weight + 5%(kg)
1	12	2	2.96	5.92	.88	5.25	5.5
2	12	47	4.96	233.12	.88	207	217.36
3	12	42	5.62	236	.88	209.6	220.08
4	10	4	4.96	19.4	0.616	12.24	12.85
5	10	4	5.62	22.48	0.616	13.87	14.56
6	6	91	1.62	147.2	0.222	32.72	34.36
7	8	56	1.4	78.4	30.96	32.5	6



Sayed Masoud Tural Yama Hewadmal Faroo Jawid

	DESIGNED BY	Sayed Masoud Tural	CH
	DRAWN BY	Sayed Masoud Tural	RE
	APPROVED BY		

WASH Coordinator	SCALE		PROVINCE	Faryab	PROJECT NAME: Naw Abad Dara Zang DRAWING TITLE:
WASH Advisor	DATE		DISTRICT	Gurziwan	
Project Director/Manager	DRAWING NO.		Naw Abad Dara Zang	Rehabilitation of Water Supply.	

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Stand Tap Plan and Trench

The diagram illustrates the layout for a stand tap and its connection to a trench system. Key dimensions and features include:

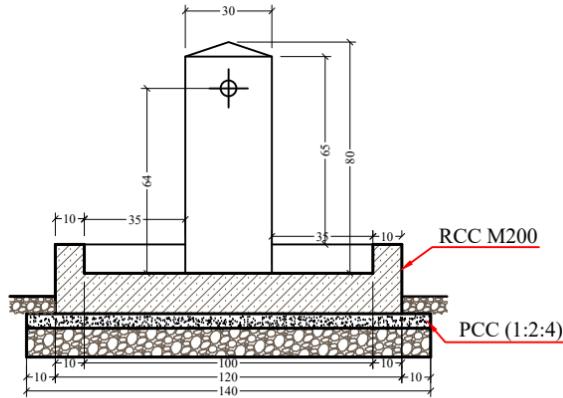
- Stand Dimensions:** The stand has a total width of 140 and a total length of 110. It is divided into sections with widths of 10, 10, 35, 30, 35, 10, and 10.
- Central Tap Area:** A central square area with a side length of 30 contains a tap. This area is labeled "106, L=900cm".
- Trench System:** The trench system has a total width of 40 and a total length of 150. It is divided into sections with widths of 5, 10, 10, 10, and 5.
- Orientation:** A north arrow is located at the top right of the diagram, pointing towards the top right.

PROJECT NAME:	Naw Abad Dara Zang
DRAWING TITLE:	Public Stand Tap

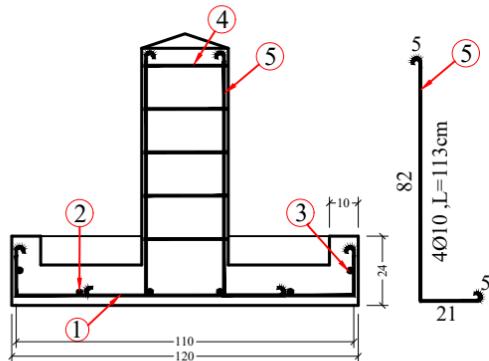


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Stand Tap Section

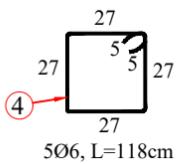


Section B-B shows a cross-section of the stand tap. It features a central vertical pipe with a diameter of 64 mm, surrounded by a 35 mm thick layer of RCC M200. The base is a 100 mm wide layer of PCC (1:2:4). The total width of the base is 140 mm, and the total height of the stand is 80 mm. The base is 10 mm thick.

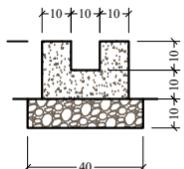


Section D-D shows a cross-section of the stand tap. It features a central vertical pipe with a diameter of 64 mm, surrounded by a 35 mm thick layer of RCC M200. The base is a 100 mm wide layer of PCC (1:2:4). The total width of the base is 140 mm, and the total height of the stand is 80 mm. The base is 10 mm thick.

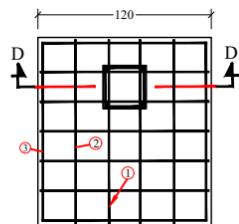
Section B-B



Section B-B shows a cross-section of the stand tap. It features a central vertical pipe with a diameter of 64 mm, surrounded by a 35 mm thick layer of RCC M200. The base is a 100 mm wide layer of PCC (1:2:4). The total width of the base is 140 mm, and the total height of the stand is 80 mm. The base is 10 mm thick.



Section D-D shows a cross-section of the stand tap. It features a central vertical pipe with a diameter of 64 mm, surrounded by a 35 mm thick layer of RCC M200. The base is a 100 mm wide layer of PCC (1:2:4). The total width of the base is 140 mm, and the total height of the stand is 80 mm. The base is 10 mm thick.



Plan View shows the top of the stand tap. It features a central vertical pipe with a diameter of 64 mm, surrounded by a 35 mm thick layer of RCC M200. The base is a 100 mm wide layer of PCC (1:2:4). The total width of the base is 140 mm, and the total height of the stand is 80 mm. The base is 10 mm thick.

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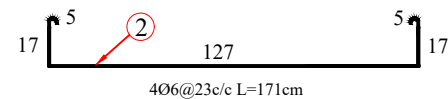
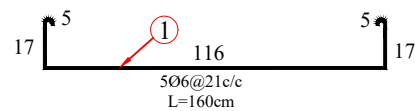
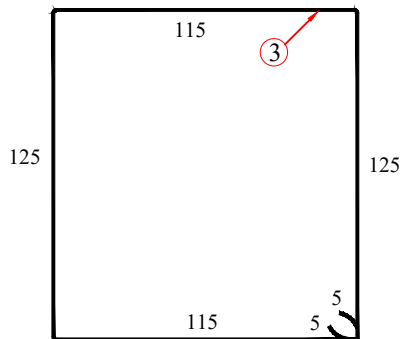
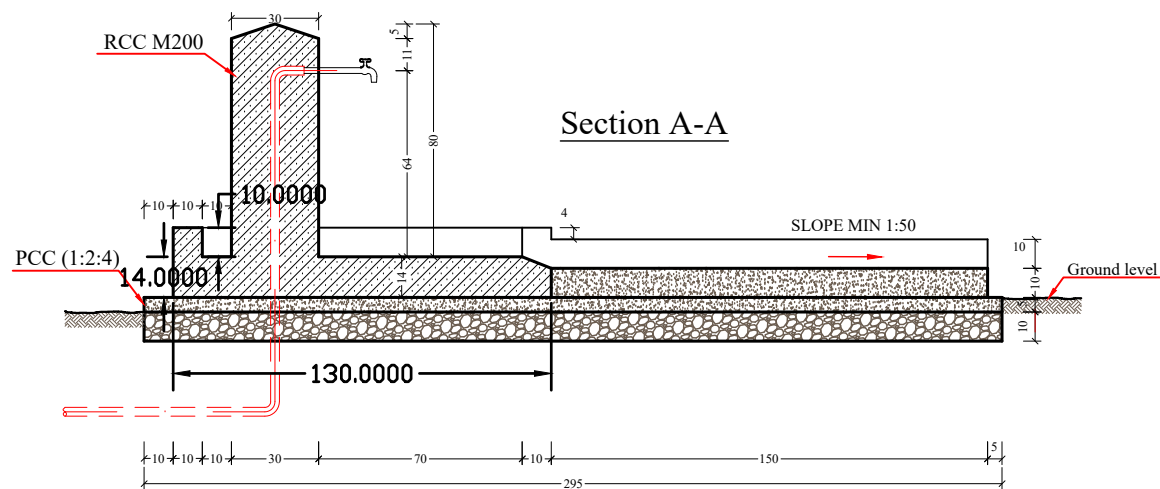
Yama Hewadmal


box SIGN 4YWZR85Q-13VZ5L59




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Stand Tap Section



	SURVEYED BY Sayed Masoud Tural DESIGNED BY Sayed Masoud Tural DRAWN BY Sayed Masoud Tural	CHECKED BY WASH Coordinator APPROVED BY Project Director/Manager	SCALE DATE DRAWING NO.	SHEET NO. 09/09	PROVINCE Faryab DISTRICT Gurziwan VILLAGE Naw Abad Dara Zang	PROJECT NAME Naw Abad Dara Zang DRAWING TITLE Public Stand Tap
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box SIGN 4YWZ8B5Q-13VZ5L59


box SIGN SURVEYOR CONSULTER

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