



Charsada district rehabilitation of water source coverage area

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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 1 19	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	Ismael Farja	10-May-2026		DISTRICT	Charsada	START DATE	-	DRAWING TYPE	Coverage area Map
DRAWN BY	M.Ismael	13-June-2026		HCF NAME	Khafak SHC	END DATE	-	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

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Khafak Razaha village water source coverage area



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Google map of Razaha village
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

Khafak Razaha village water source coverage area

This is a household water supply network. Approximately 1,500 m of PN10 PE100 Ø20 mm pipe is required to provide water to all households, together with 50 Super Plastic water meters and 50 brass push taps (Ø20 mm). Due to budget limitations, the installation of the 1,500 m pipeline, 50 water meters, and 50 push taps will be carried out through community contribution, while ActionAid will provide the required materials only. In addition,

approximately 50 m of PN16 PE100 Ø63 mm pipe is required at the spring box location to connect the source to the distribution network. The installation of the Ø63 mm pipeline and all related works will be carried out by the contractor.

ActionAid will construct a new public stand tap in this part of the village to improve access to safe drinking water for the community

Spring box

- ①  Spring protection
- ②  Reservoir
- ③  Tp=Stand taps
- ④  Mosque
- ⑤  House
- ⑥  School
- ⑦  HCF

NORTH



Approximately 250 m of PN16, Ø32 mm PE100 pipe is required to connect the existing pipeline network to Rahis Ghafor Village. Part of the pipeline route crosses a rocky area; therefore, the pipe shall be insulated with glass wool and adequately protected to prevent freezing during winter conditions all related works will be carried out by the contractor

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TASK & RESPONSIBILITIES

SURVEYED BY	M.Ismael	DATE	10-May-2026
DRAWN BY	M.Ismael Farjad	DATE	13-June-2026
REVIEWED BY	Farid Qaderi	-	
APPROVED BY	Simon Wankuru	-	

NO OF
PAGES



PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Site plan of Razaha village
HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

Khafak Razaha Spring Rehabilitation Works

Khafak Razaha Spring Rehabilitation Works

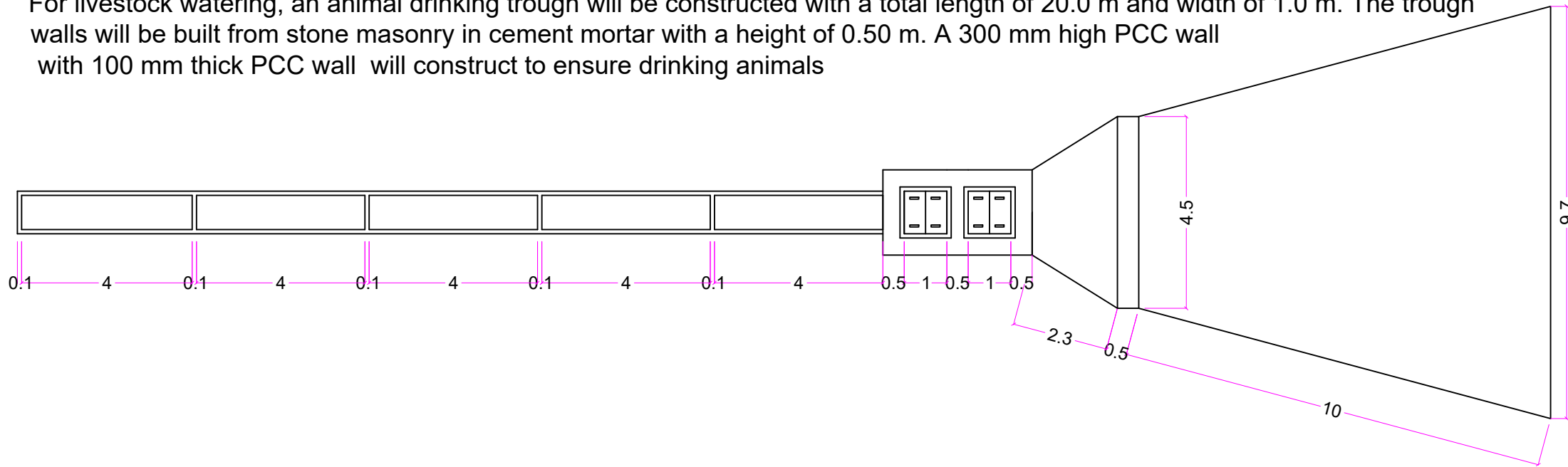
The Khafak Razaha Spring requires rehabilitation and protection works to improve the sustainability of the water source and prevent contamination by animals.

The existing spring box is constructed of stone masonry; however, the reinforced concrete cover slabs have been damaged and require replacement. Four (4) RCC cover slabs measuring 0.50 m × 1.10 m × 0.10 m will be constructed and installed over the spring box. In addition, a 50 mm thick PCC layer will be placed over the entire spring box area to provide additional protection and prevent access by animals.

To protect the spring catchment area from animal intrusion, a stone masonry protection wall with a length of 4.5 m, width of 0.50 m, and height of 2.0 m will be constructed in front of the catchment area.

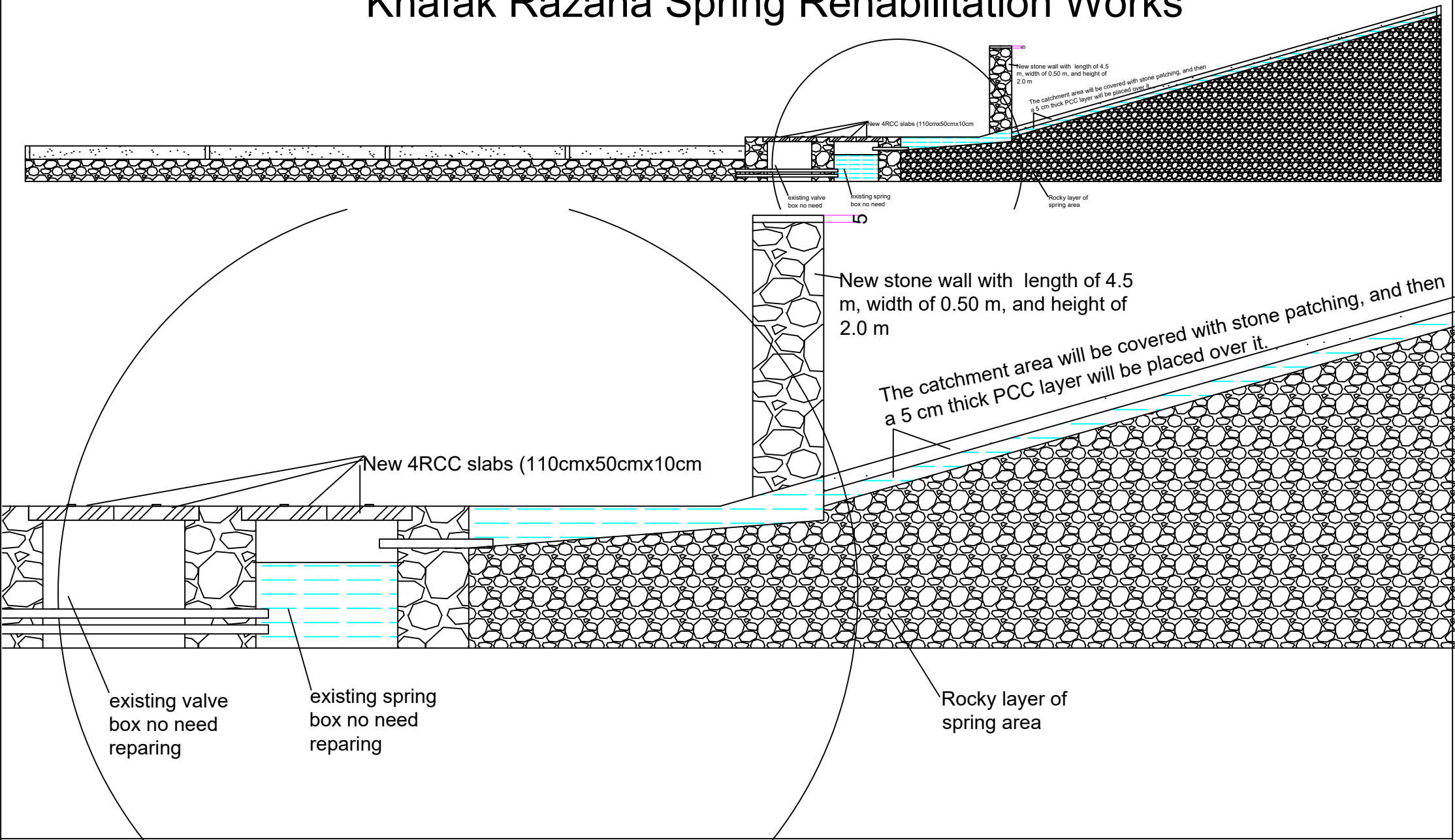
The catchment area, having an approximate trapezoidal shape with dimensions of 10.0 m × 9.7 m, will be rehabilitated by first applying stone patching/pitching over the existing rocky surface. Subsequently, a 50 mm thick PCC layer will be placed over the treated area to provide a durable and impermeable catchment surface, improving water collection and protecting the spring source from contamination.

For livestock watering, an animal drinking trough will be constructed with a total length of 20.0 m and width of 1.0 m. The trough walls will be built from stone masonry in cement mortar with a height of 0.50 m. A 300 mm high PCC wall with 100 mm thick PCC wall will construct to ensure drinking animals



	TASK & RESPOSIBILITIES		DATE	4 19	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
	SURVEYED BY	M. Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	spring box plan
	DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
	REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
	APPROVED BY	Simon Wankuru	-							

Khafak Razaha Spring Rehabilitation Works



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TASK & RESPOSIBILITIES			DATE	NO OF PAGES 5 19	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael		10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	spring box Section
DRAWN BY	M.Ismael Farjad		13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi		-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru		-							

Khafak Kalan village water source coverage area



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Khafak Kalan Google Mape
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

Khafak Kalan village water source coverage area

This is a public Tap water supply network. Approximately 500 m of PN10 PE100 Ø20 mm pipe is required to provide water to all Taps, together with 40 brass push taps (Ø20 mm). Due to budget limitations, the installation of the 500 m pipeline and 40 push taps will be carried out through community contribution, while ActionAid will provide the required materials only

In the Location of Tee# there will construct a stone valve box size (0.8Mx0.8mx1M) covered by RCC slab(2No 50x110x10cm) to change the system in irrigation and water supply

The existing RCC reservoir need the following rehabilitation
1-installation two number Gate VALVE -STAINLESS STEEL_ 2 inch one for outlet and one for washout pipes
2- Installation of new inlet pipe GI 75mm, with needed fittings
3-Installation new RCC covering slabs for valve box (2N0 110x10x50cm)

Spring box

The existing spring box is constructed of stone masonry; however, the reinforced concrete cover slabs have been damaged and require replacement. Four (4) RCC cover slabs measuring 0.50 m × 1.10 m × 0.10 m will be constructed and installed over the spring box. In addition, a 50 mm thick PCC layer will be placed over the entire spring box area to provide additional protection and prevent access by animals and approximately 100 m of PN16 PE100 Ø75 mm and 150 m of PN10 PE100 Ø63 mm pipe is required at the different part of the Main and distribution pipe line to connect the source to the network. The installation of Ø75 and Ø63 mm pipeline and all related works will be carried out by the contractor.

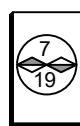
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TASK & RESPONSIBILITIES

SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-

DATE

NO OF PAGES



PROVINCE

Ghor

SCALE

1:200

PROJECT SUB TITLE

Water infrastructure should be rehabilitated

DISTRICT

Charsada

START DATE

DRAWING TYPE

Khafak Kalan site plan

HCF NAME

Khafak SHC

END DATE

E

65°04'3.539"E

HCF TYPE

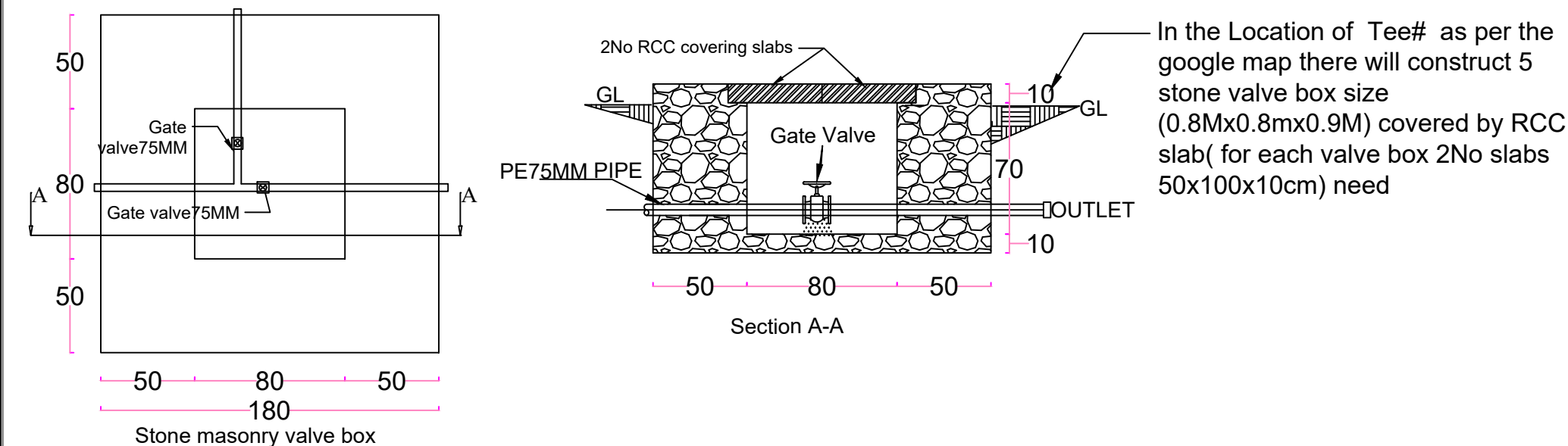
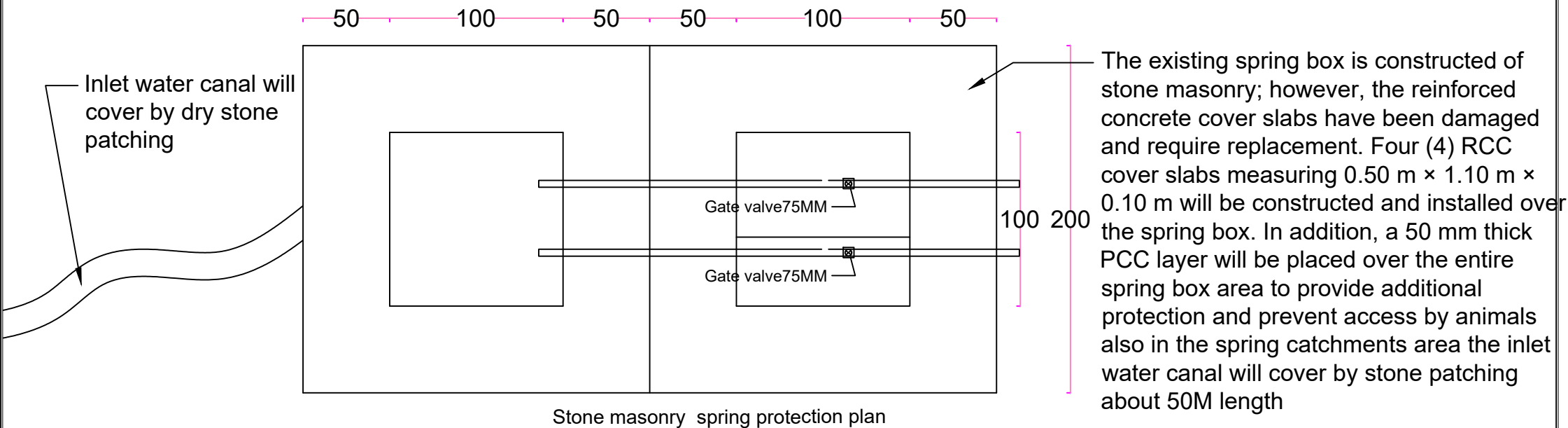
SHC

PROJECT TITLE

FCDO-DAWAM

N

35°01'46.258"N



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TASK & RESPOSIBILITIES			DATE	NO OF PAGES 8 19	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael		10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Valve box and spring plan
DRAWN BY	M.Ismael Farjad		13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi		-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru		-							

Telak village water source coverage area



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TASK & RESPONSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Telak village google map
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

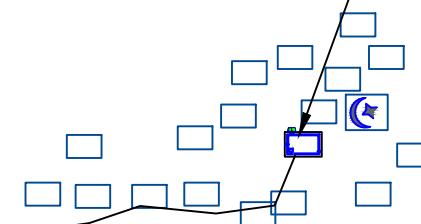
Khafak Kalan village water source coverage area

Spring box



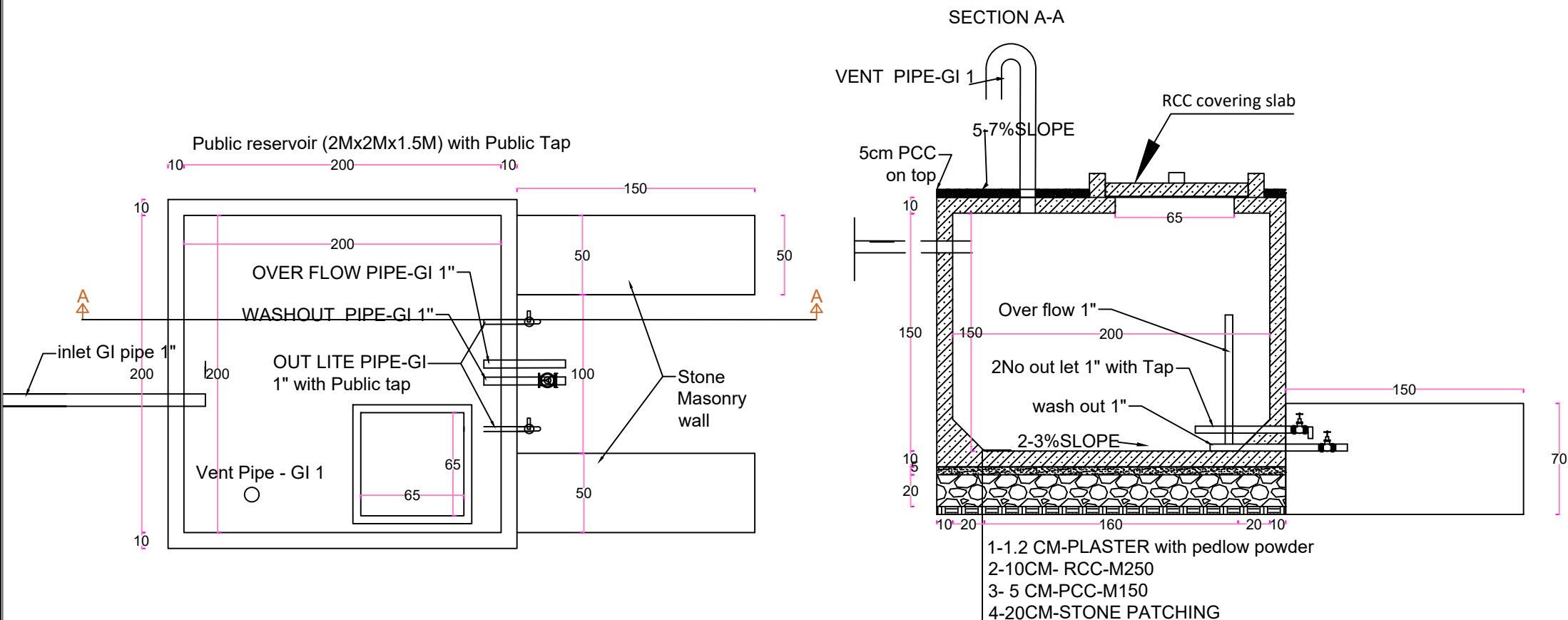
ActionAid will construct a 6 cubic RCC reservoir. —————
Construction of one 6M³ RCC reservoir with public tap will
provide safe drink water to all villagers

Telak spring will be rehabilitated through community contributions
ActionAid will provide only 15 Bags of cement.



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	SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Telak village site plan
	DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
	REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
	APPROVED BY	Simon Wankuru	-							

Telak village 6M3 RCC reservoir



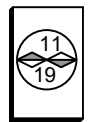
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TASK & RESPOSIBILITIES

SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-

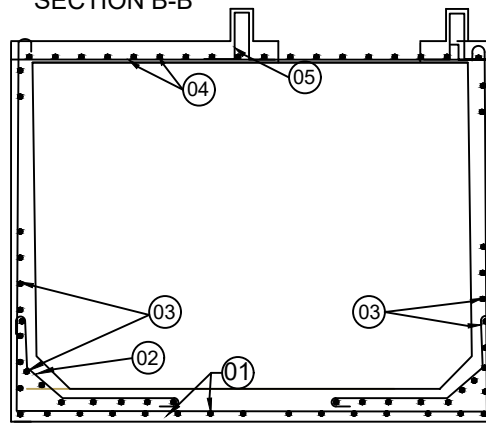
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NO OF PAGES



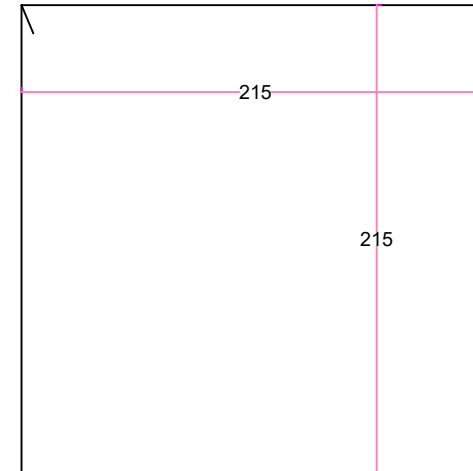
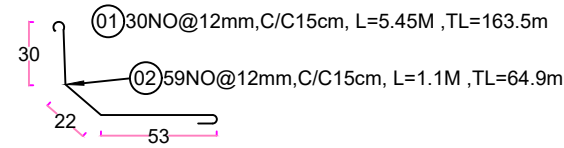
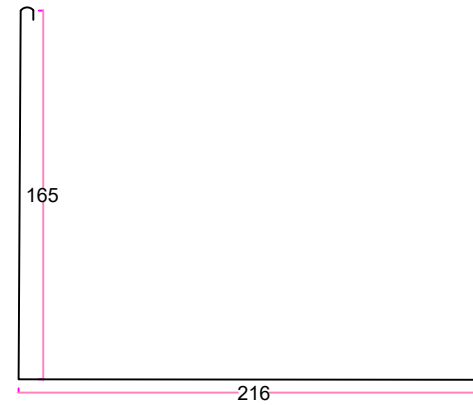
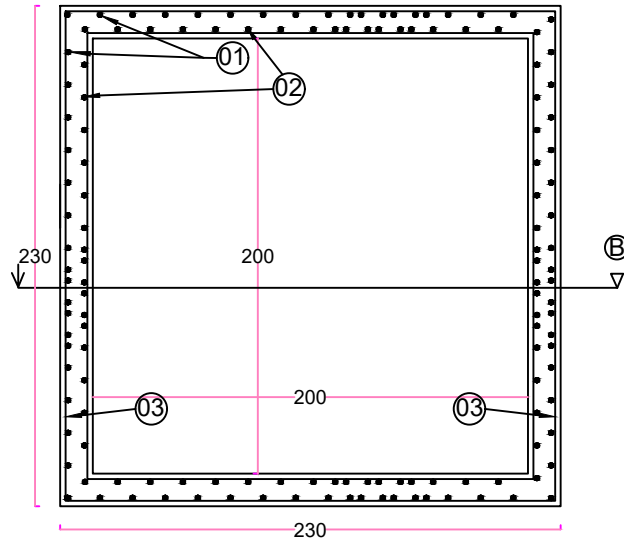
PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Plan and section of reservoir
HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

SECTION B-B



REINFORCEMENT SECTION FOR 6 M3 RCC RESERVOIR

REINFORCEMENT PLAN FOR 6M3 RCC RESERVOIR



03) 22NO@10mm, C/C12cm, L=8.6M , TL=189.2m

04) 40NO@12mm, C/C12cm, L=2.2M , TL=88m

05) 28NO@10mm, C/C12cm, L=0.42M , TL=11.76m

REINFORCEMENT SECTION

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TASK & RESPOSIBILITIES		DATE
SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-



NO OF PAGES	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
	DISTRICT	Charsada	START DATE	----	DRAWING TYPE	6M3 Reinforcement section
	HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
	HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

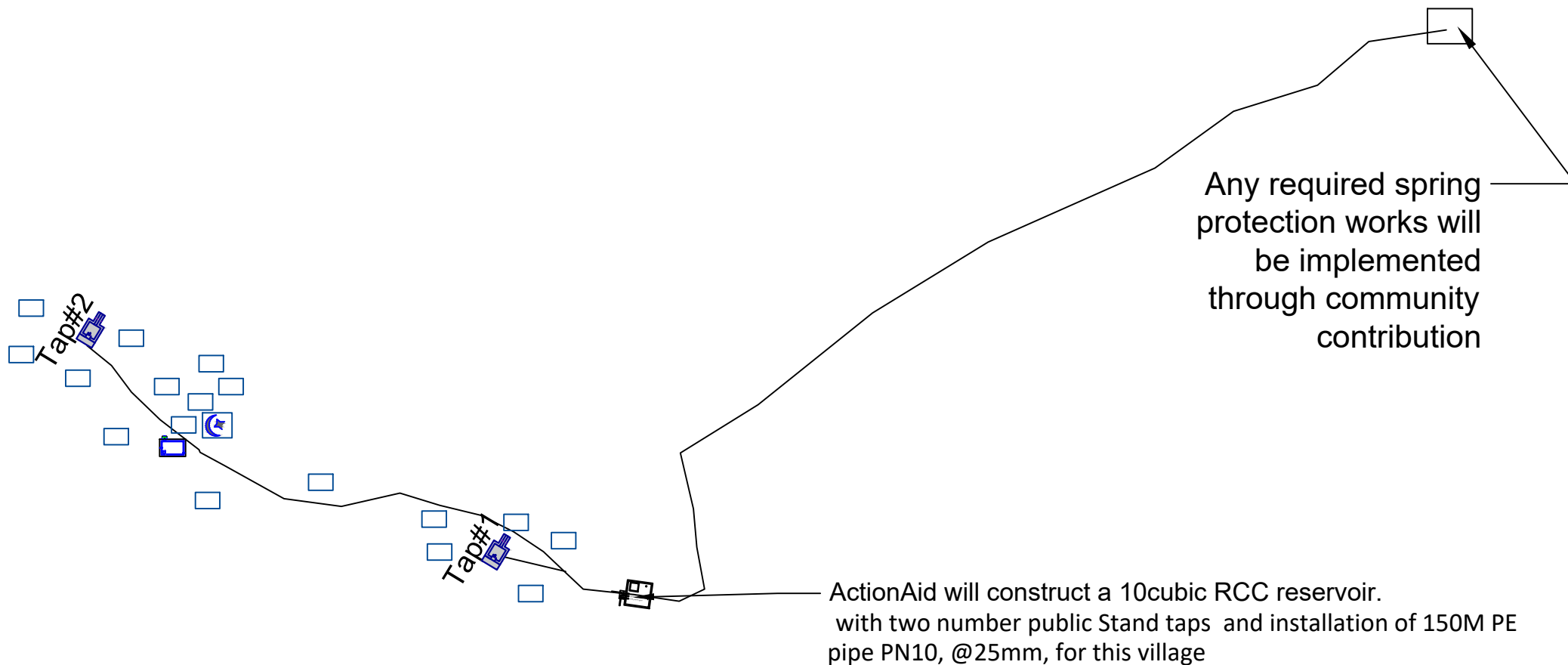
Badqul village water source coverage area



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Badqul village google map
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

Khafak Kalan village water source coverage area



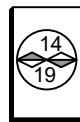
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TASK & RESPOSIBILITIES

SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-

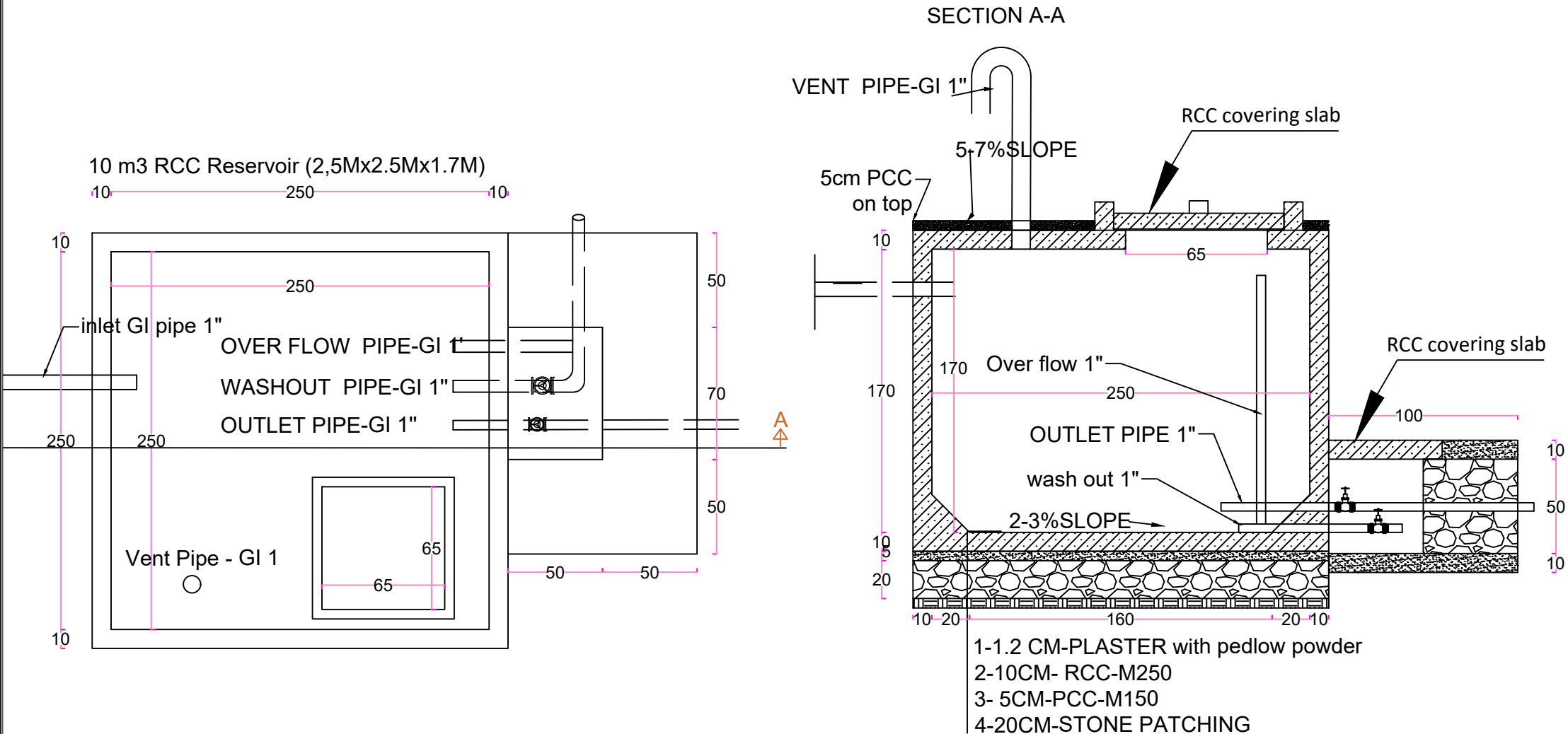
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NO OF PAGES



PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Badqul village site plan
HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

Badqul village 10 M3 RCC reservoir



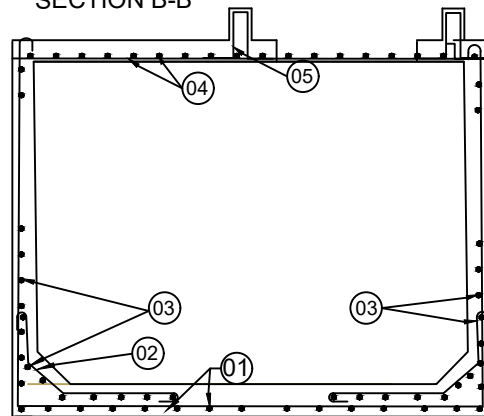
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TASK & RESPOSIBILITIES		DATE
SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-



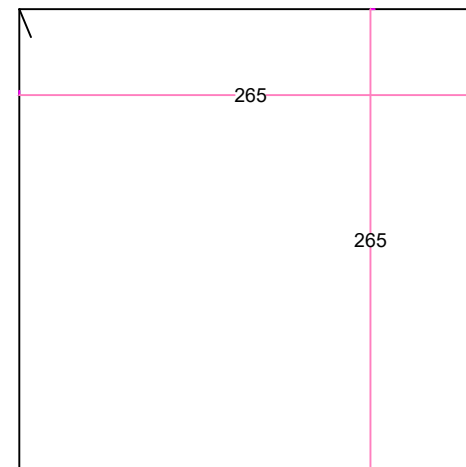
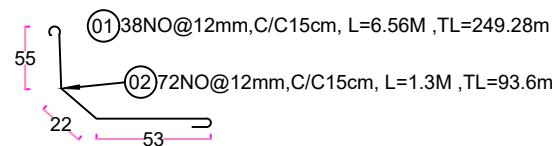
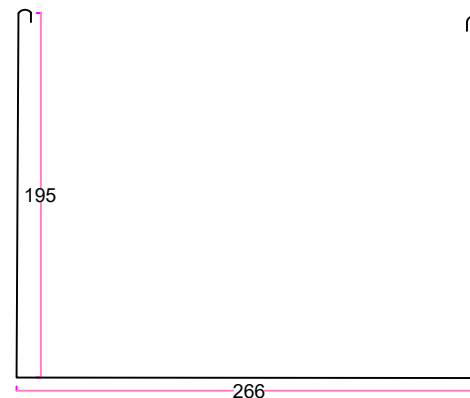
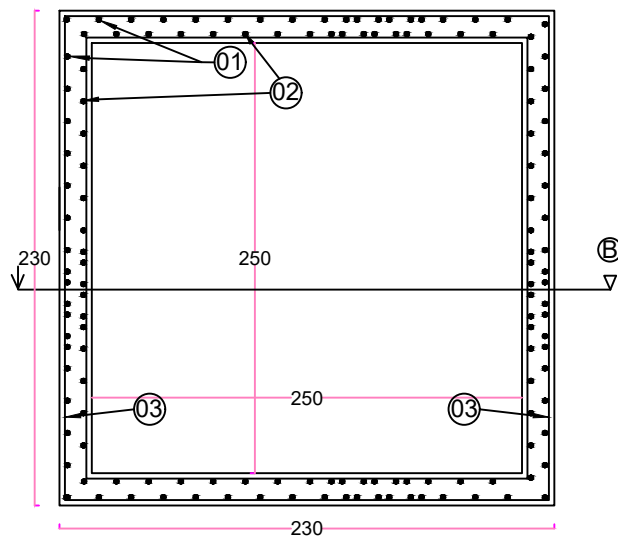
PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Plan and section of reservoir
HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

SECTION B-B



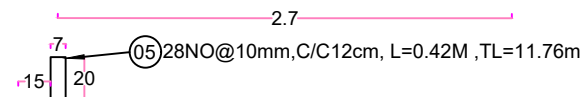
REINFORCEMENT SECTION FOR 10 M3 RCC RESERVOIR

REINFORCEMENT PLAN FOR 10 M3 RCC RESERVOIR



03) 24NO@10mm, C/C 12cm, L=10.6M, TL=254.4m

04) 48NO@12mm, C/C 12cm, L=2.7M, TL=129.6m

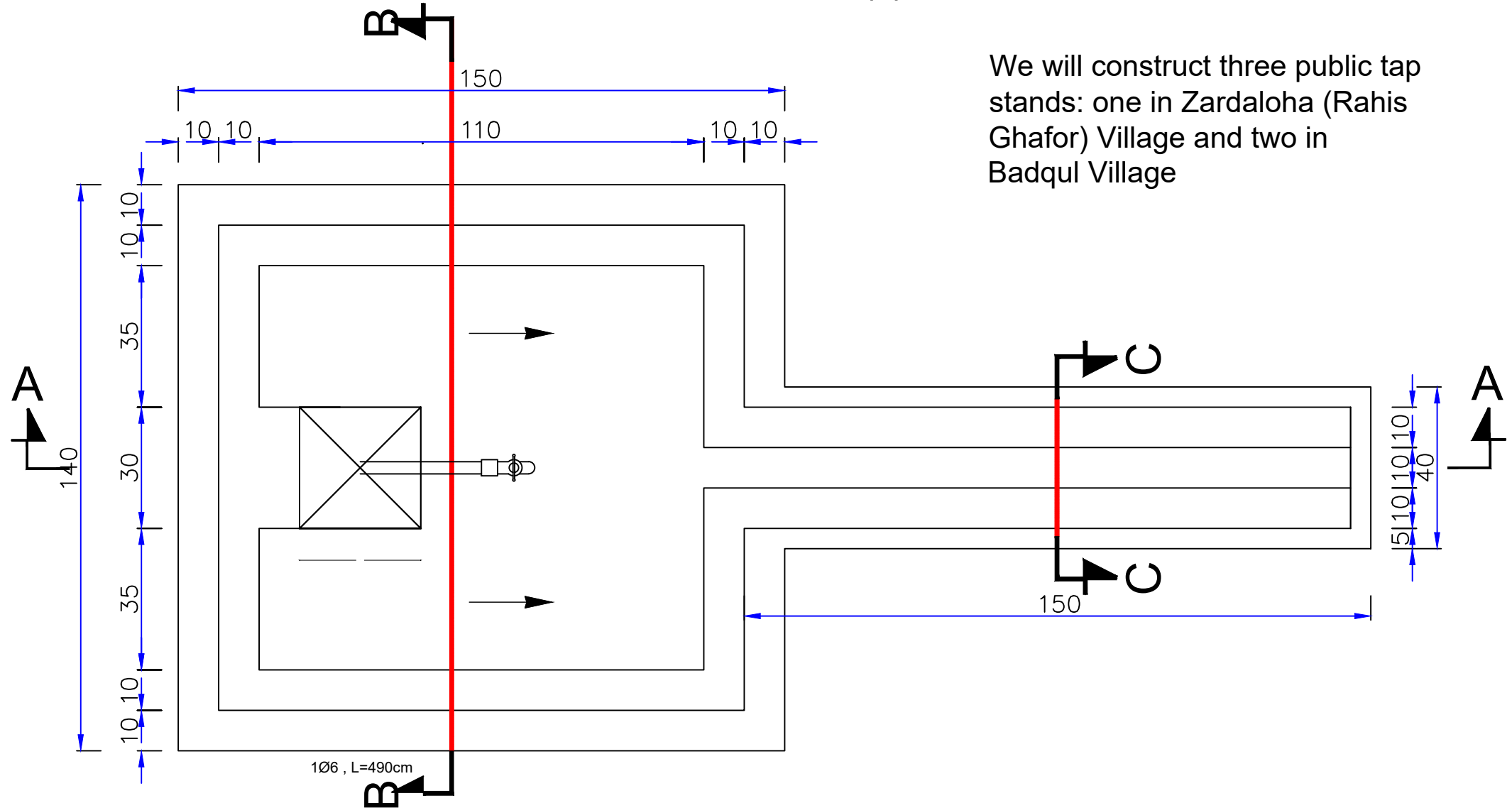


Reinforcement section for 10 M3 RCC Reservoir

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TASK & RESPONSIBILITIES		DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	6M3 Reinforcement section
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							

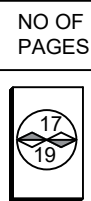
Public Stand Tap plan



We will construct three public tap stands: one in Zardaloha (Rahis Ghafor) Village and two in Badqul Village

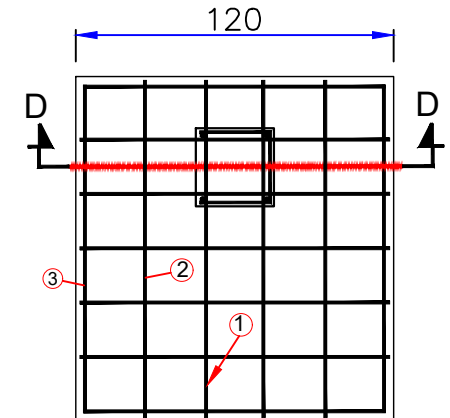
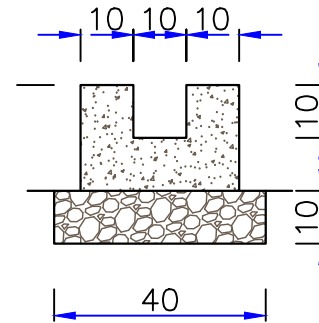
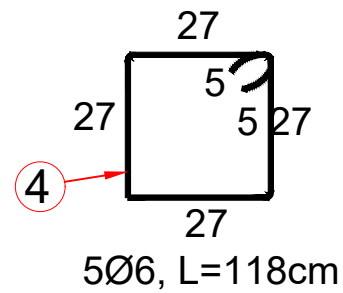
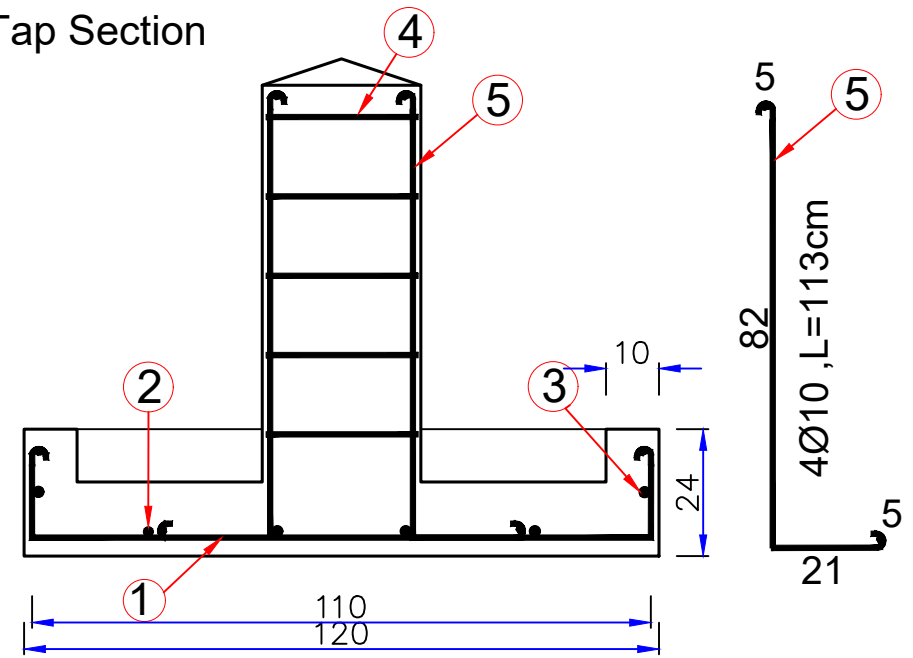
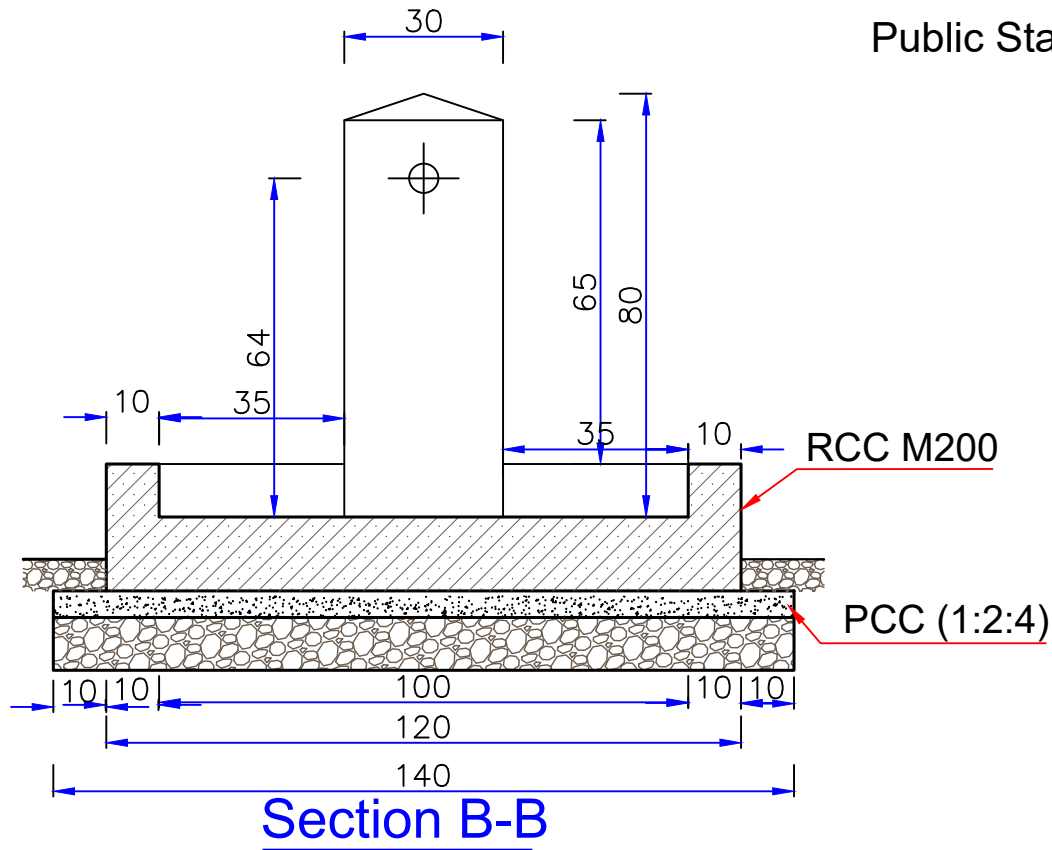
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TASK & RESPOSIBILITIES		DATE
SURVEYED BY	M.Ismael	10-May-2026
DRAWN BY	M.Ismael Farjad	13-June-2026
REVIEWED BY	Farid Qaderi	-
APPROVED BY	Simon Wankuru	-



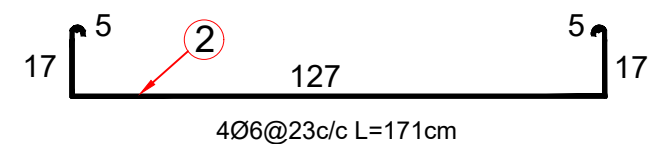
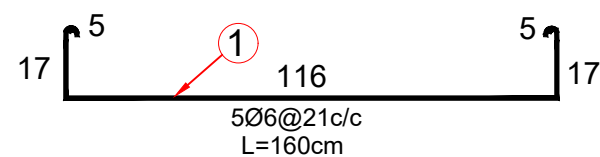
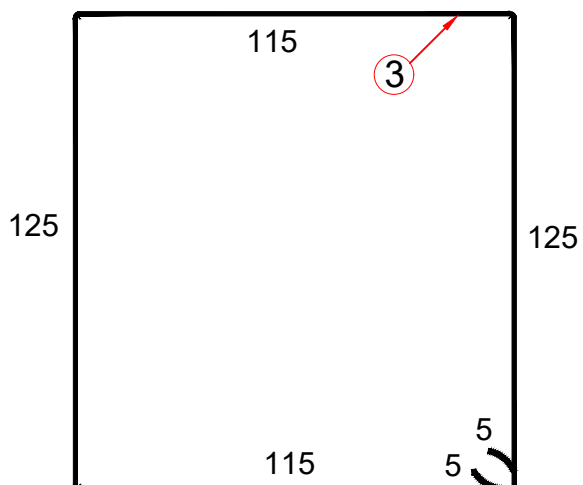
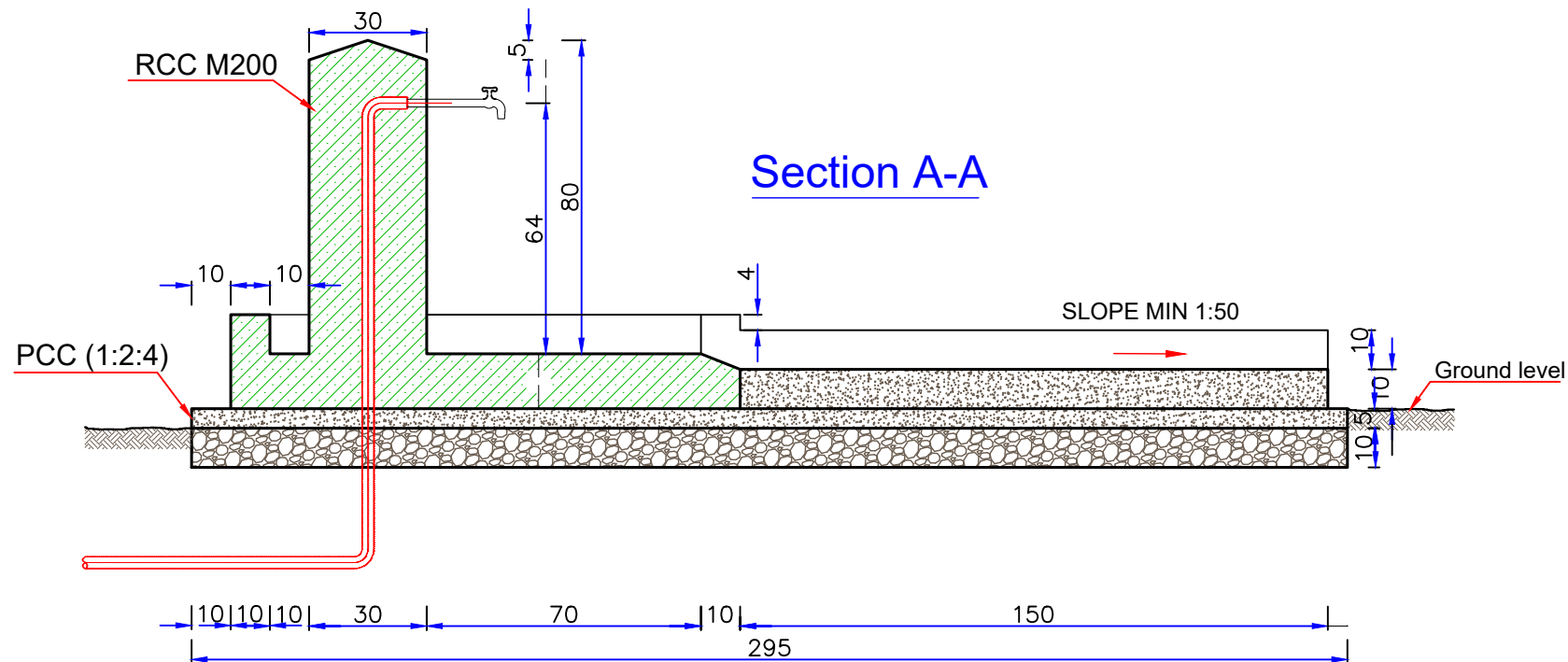
PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Public Stand Tap plan
HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N

Public Stand Tap Section



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Public Stand Tap Section
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
REVIEWED BY	Farid Qaderi	-		HCF TYPE	SHC	PROJECT TITLE	FCDO-DAWAM	N	35°01'46.258"N
APPROVED BY	Simon Wankuru	-							



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	1:200	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	10-May-2026		DISTRICT	Charsada	START DATE	----	DRAWING TYPE	Public Stand Tap Section
DRAWN BY	M.Ismael Farjad	13-June-2026		HCF NAME	Khafak SHC	END DATE	----	E	65°04'3.539"E
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