



NCA
ABADEI
BRIDGE Project



Construction and/or Rehabilitation of Agricultural Infrastructures

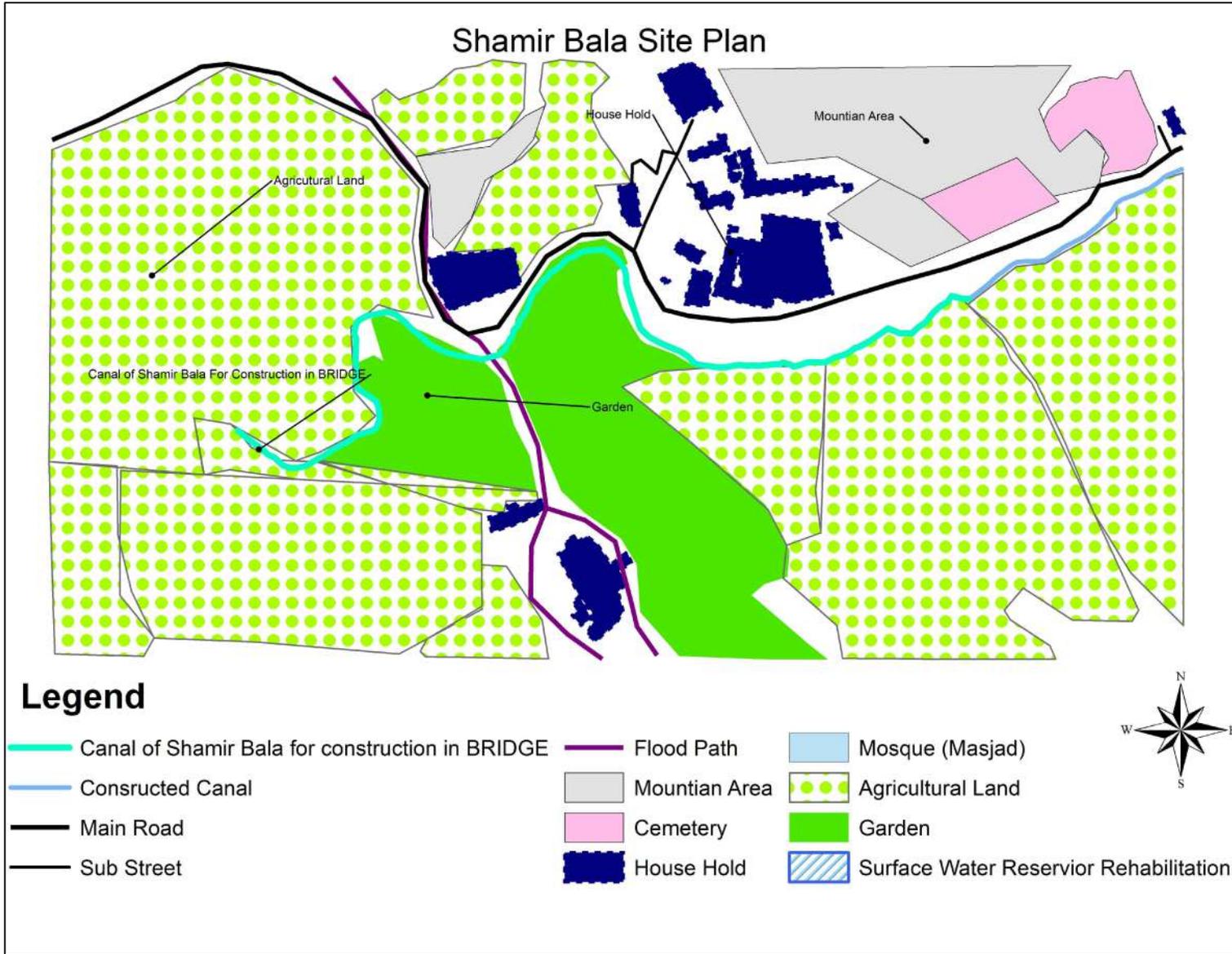
Guldara, Kabul

Shamir Bala CDC

Drawing of Stone Masonry Canal

Feb 2024

Shamir Bala Site Plan



Legend

- Canal of Shamir Bala for construction in BRIDGE
- Consructed Canal
- Main Road
- Sub Street
- Flood Path
- Mountian Area
- Cemetery
- House Hold
- Mosque (Masjad)
- Agricultural Land
- Garden
- Surface Water Reservoir Rehabilitation



No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai
1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai
2	Drawn by	Zar Mohammad Ahmadzai

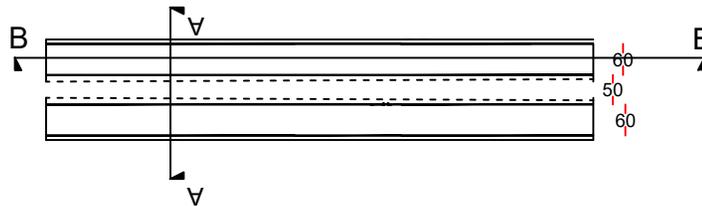
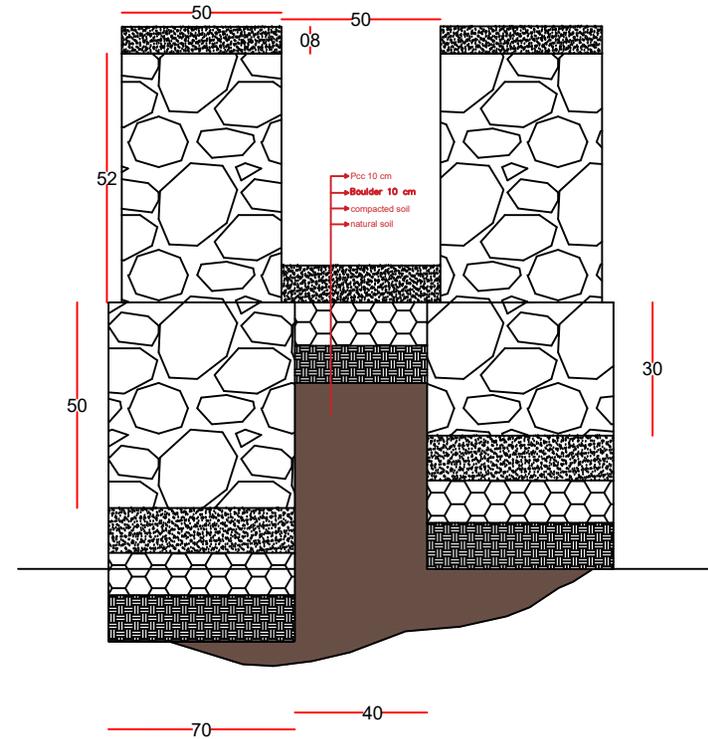
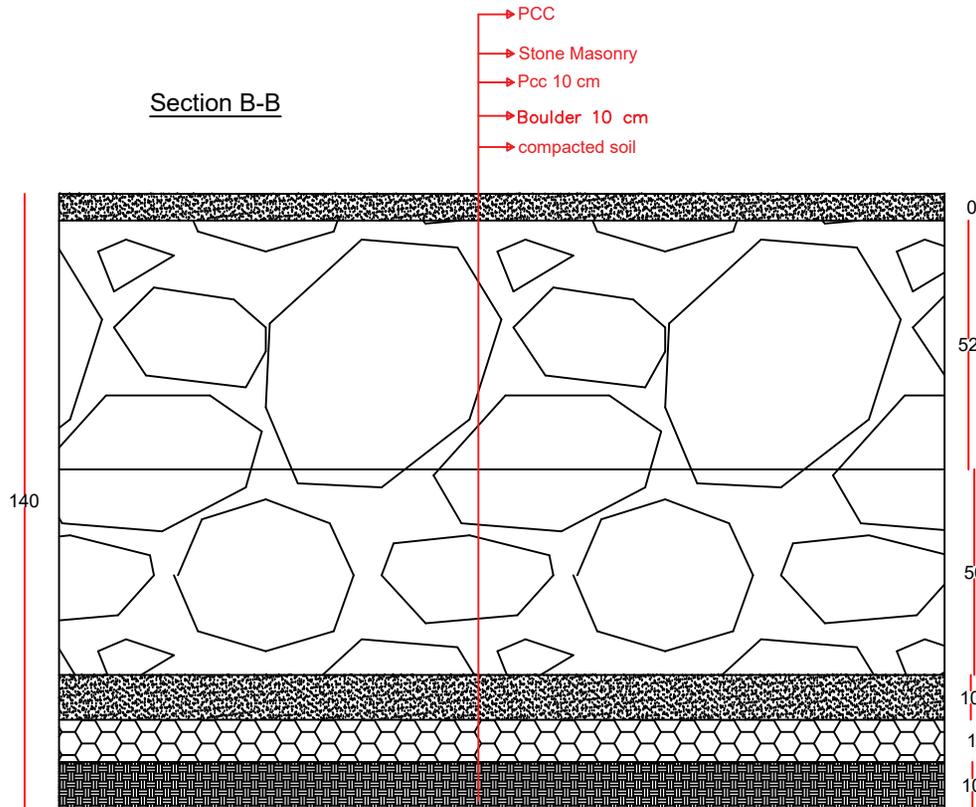
NCA
Construction of Infrastructure
BRIDGE, Kabul, Afghanistan

Province	Kabul
District	Guldara
Village/CDC	Shami Bala
Approved by	UNDP & MRRD

Scale	In dimension(cm)
Sheet No.	

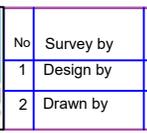
Project name:	Const of Infrastructure
Drawing Title:	Site Plan
Date	Feb 2024

Section B-B



The length of this canal is about 380m.
Depending on the area, there is a possibility of changes that must be made in coordination with the NCA engineer.

According to the nature of the soil and field, the length of the canal can be shorter or longer.

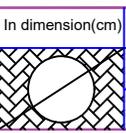


No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai
1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai
2	Drawn by	Hasan Alizai

NCA
Construction of Infrastructure
BRIDGE, Kabul, Afghanistan

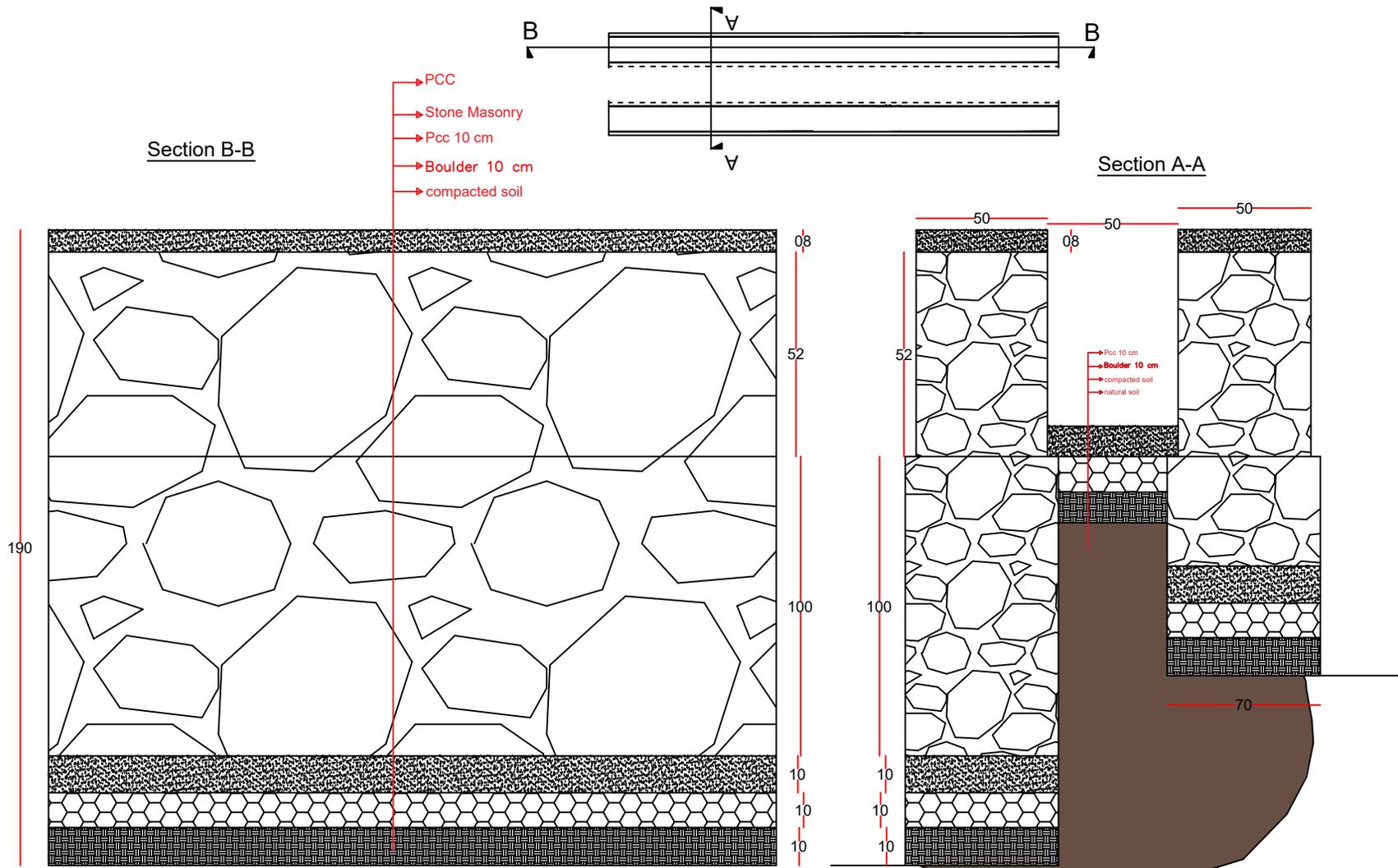
Province	Kabul
District	Guldara
Village/CDC	Shamir Bala
Approved by	UNDP & MRRD

Scale



In dimension(cm)
Sheet No.

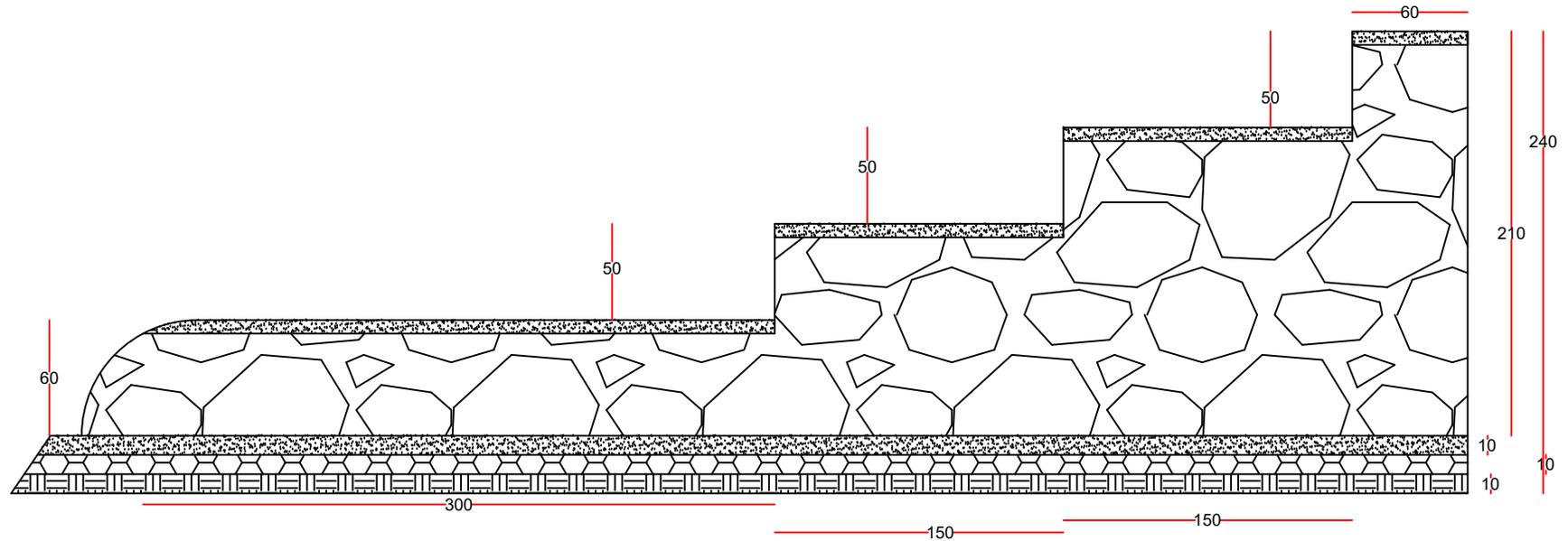
Project name:	Const of Infrastructure
Drawing Title:	Stone Masonry Canal
Date	Feb 2024



The length of this canal is about 40m.
 Depending on the area, there is a possibility of changes that must be made in coordination with the NCA engineer.
 According to the nature of the soil and field, the length of the canal can be shorter or longer.

	No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai	NCA Construction of Infrastructure BRIDGE, Kabul, Afghanistan	Province	Kabul	Scale	In dimension(cm)	Project name:	Const of Infrastructure
	1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai		District	Guldara	Sheet No.	Drawing Title:	Stone Masonry Canal	
2	Drawn by	Hasan Alizai	Village/CDC	Shamir Bala	Date	Feb 2024				
			Approved by	UNDP & MRRD						

There are 2 water dividers, and according to the field and the engineer's observation, there is a possibility of change.



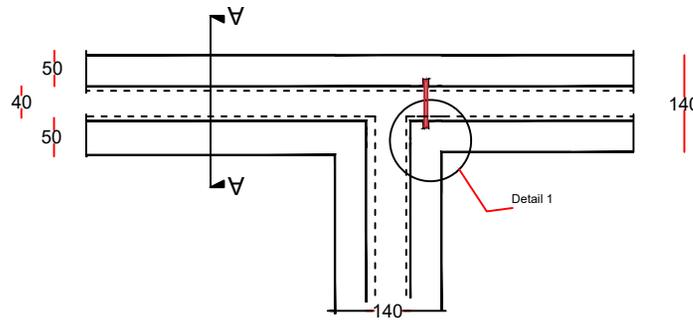
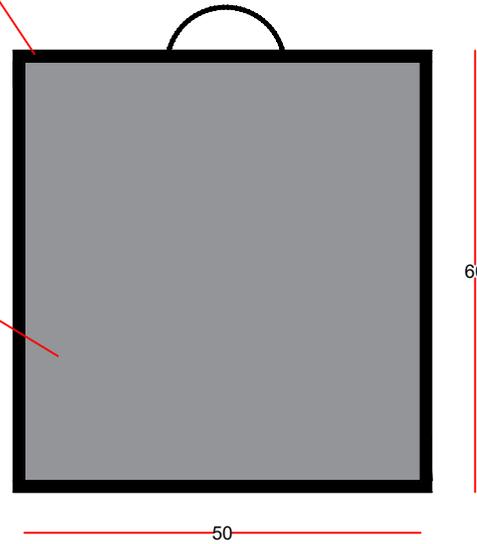
According to the nature of the soil and field, the length of the canal can be shorter or longer.

	No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai	NCA Construction of Infrastructure BRIDGE, Kabul, Afghanistan	Province	Kabul	Scale		In dimension(cm)	Project name:	Const of Infrastructure
	1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai		District	Guldara	Sheet No.		Drawing Title:	Water Divider	
	2	Drawn by	Hasan Alizai		Village/CDC	Shamir Bala			Date	Feb 2024	
					Approved by	UNDP & MRRD					

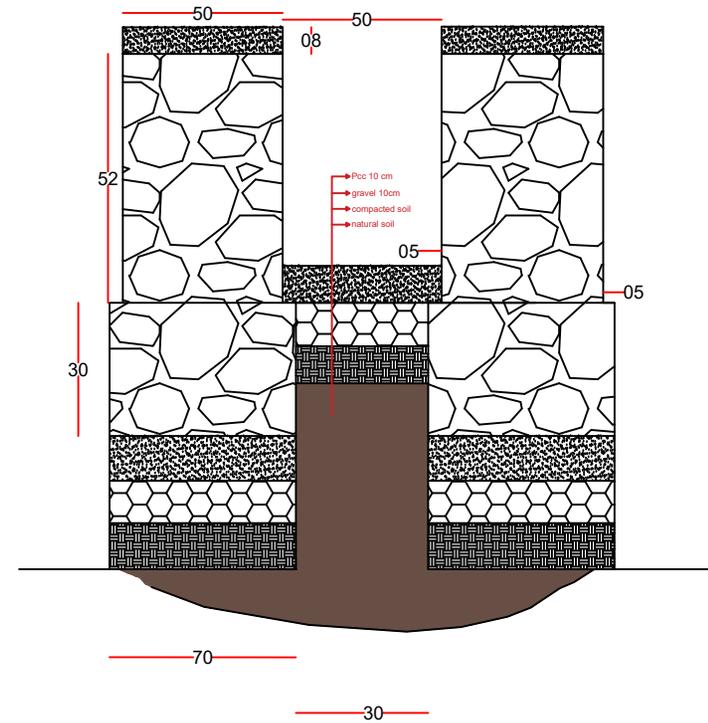
Water Divider and Control Gate

Angle Iron 2.5 inch

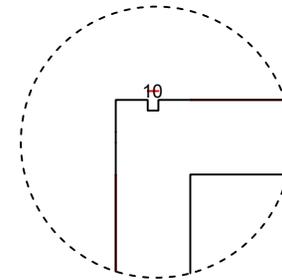
Metallic Sheet 2mm



Section A-A



Detail 1

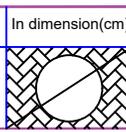


No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai
1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai
2	Drawn by	Hasan Alizai

NCA
Construction of Infrastructure
BRIDGE, Kabul, Afghanistan

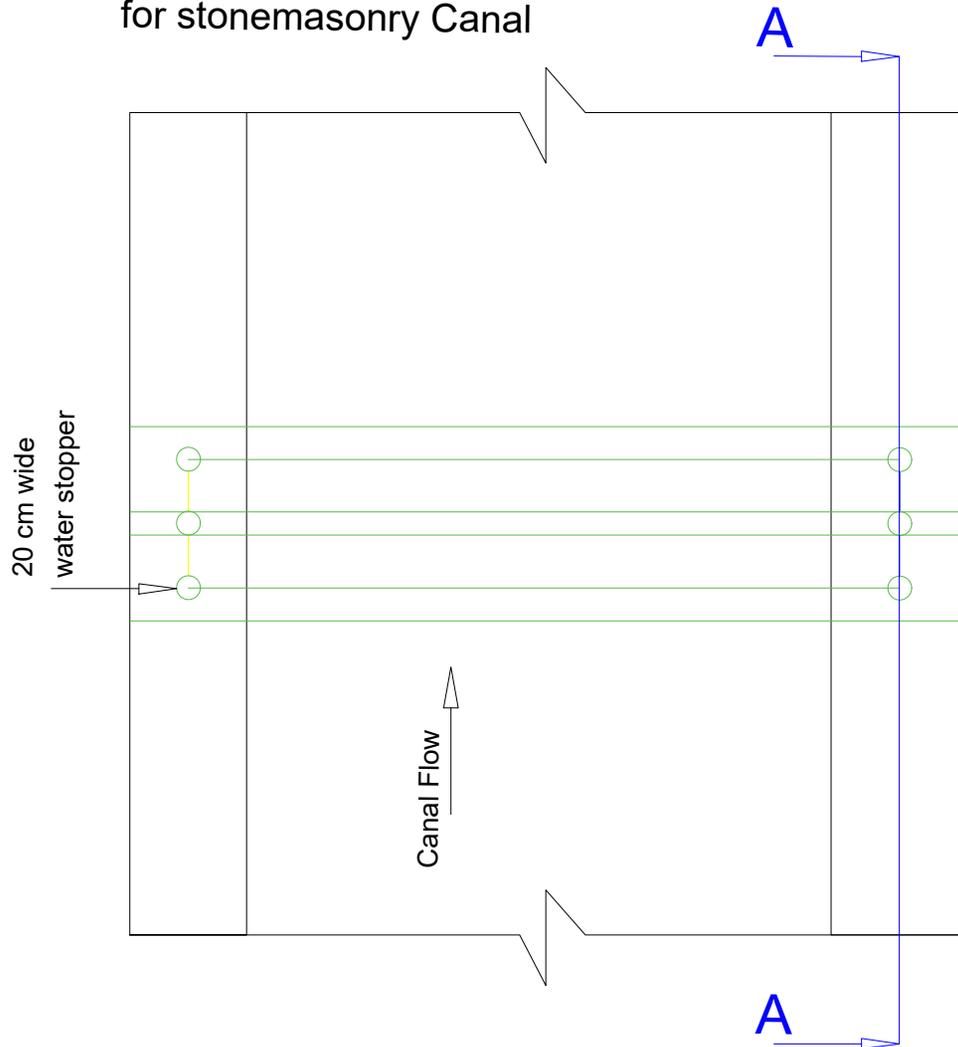
Province	Kabul
District	Guldara
Village/CDC	Shami Bala
Approved by	UNDP & MRRD

Scale

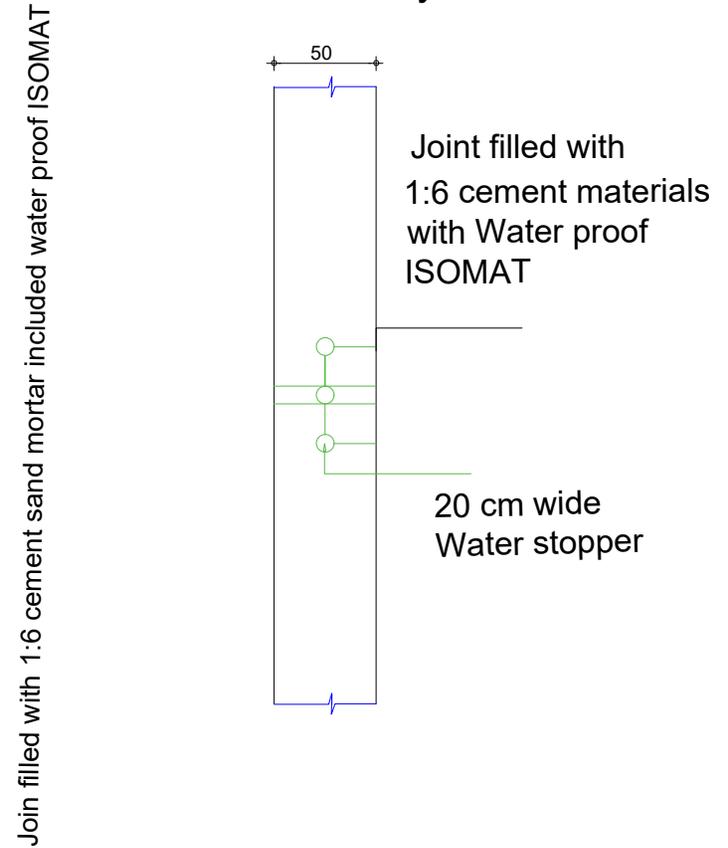


In dimension(cm)	Project name:	Const of Infrastructure
Sheet No.	Drawing Title:	Water Divider
	Date	Feb 2024

Plan of construction
joint and Water stopper in sections
for stonemasonry Canal



Plan of construction
joint and Water Stopper for one side
of stone masonry Canal



No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai
1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai
2	Drawn by	Hasan Alizai

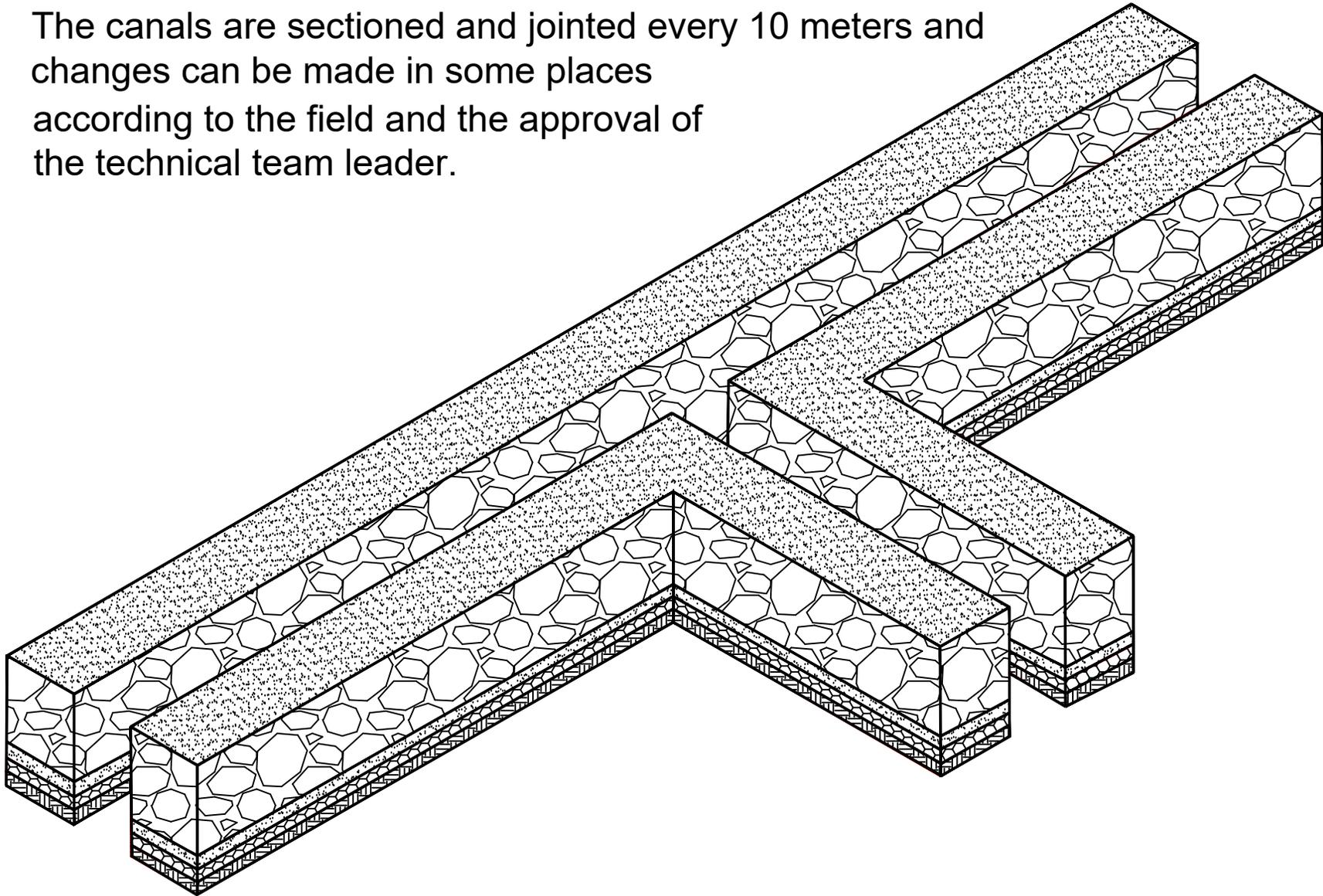
NCA
Construction of Infrastructure
BRIDGE, Kabul, Afghanistan

Province	Kabul
District	Guldara
Village/CDC	Shami Bala
Approved by	UNDP & MRRD

Scale	In dimension(cm)
Sheet No.	

Project name:	Const of Infrastructure
Drawing Title:	Water Stopper Installation
Date	Feb 2024

The canals are sectioned and jointed every 10 meters and changes can be made in some places according to the field and the approval of the technical team leader.

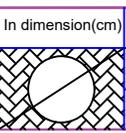


No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai
1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai
2	Drawn by	Hasan Alizai

NCA
Construction of Infrastructure
BRIDGE, Kabul, Afghanistan

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Scale	
Sheet No.	



In dimension(cm)		Project name:	Const of Infrastructure
		Drawing Title:	3D
		Date	Feb 2024



The canal that can constructed by NCA is along the previously constructed canal that was constructed by CCNPP. According to the section of the new canal, it is considered in the design according to the previous canal. and the Data was collected from field and community by collection tools.

	No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai	NCA Construction of Infrastructure BRIDGE, Kabul, Afghanistan	Province	Kabul	Scale	In dimension(cm)	Project name:	Const of Infrastructure
	1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai		District	Guldara	Sheet No. 	Drawing Title:	CCNPP Canal Section	
	2	Drawn by	Hasan Alizai		Village/CDC	Shami Bala		Date	Feb 2024	
				Approved by	UNDP & MRRD					



Surface water reservoir and for rehabilitation.

	No	Survey by	Hasan Alizai & Zar Mohammad Ahmadzai	NCA Construction of Infrastructure BRIDGE, Kabul, Afghanistan	Province	Kabul	Scale		Project name:	Const of Infrastructure
	1	Design by	Hasan Alizai & Zar Mohammad Ahmadzai		District	Guldara	Sheet No.		Drawing Title:	Rehabilitation
	2	Drawn by	Hasan Alizai		Village/CDC	Shami Bala			Date	Feb 2024
				Approved by	UNDP & MRRD					