



ISLAMIC EMARATE OF AFGHANISTAN
KABUL MUNICIPALITY
URBAN INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT

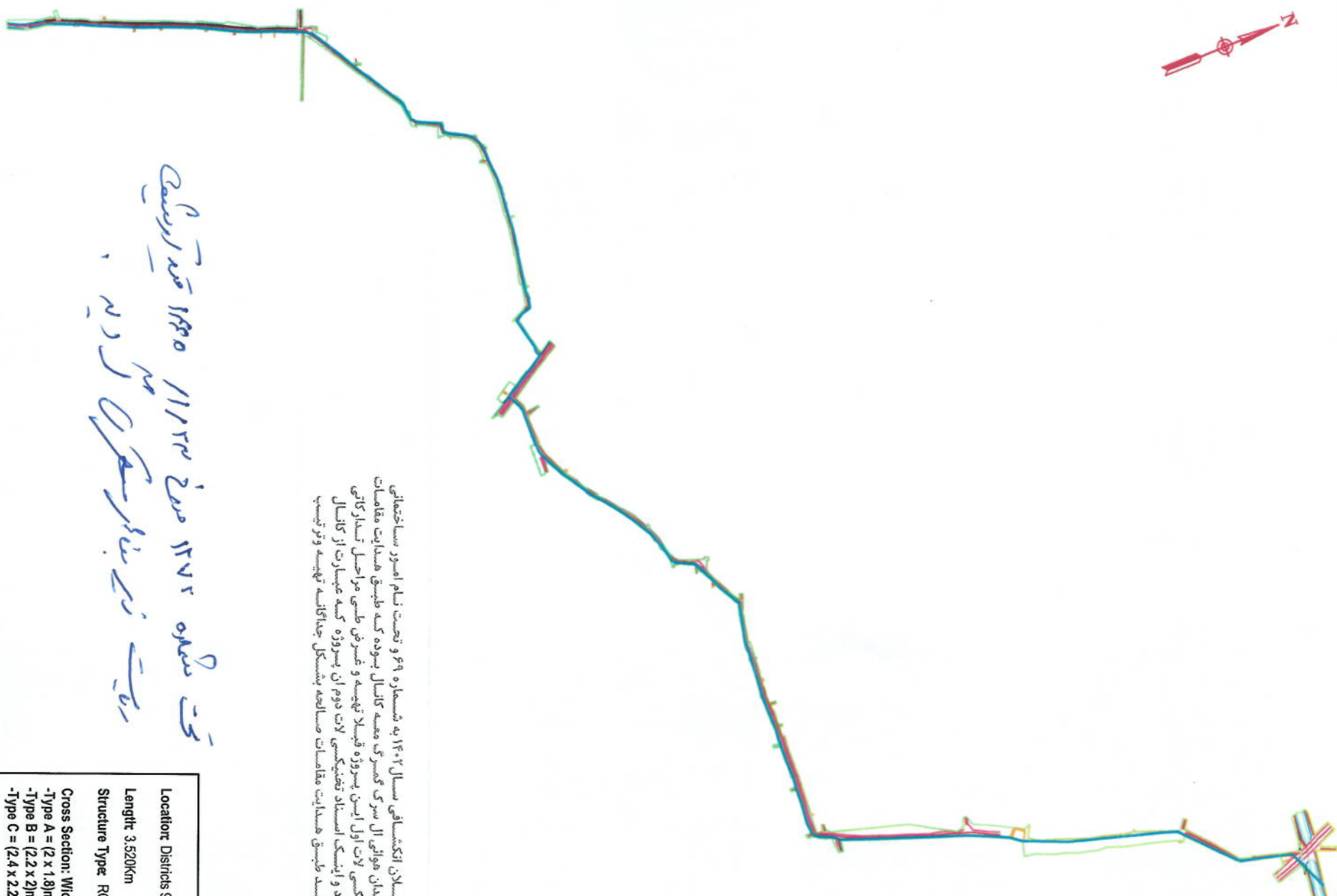


Maidan-Ha-way Intersection to Gomrok Road, Road and Canal project 2nd Lot (Canal Construction)

امور ساختمان سرک از چهار راهی میدان هوایی الی سرک گمرک لات دوم (ساختمان کانال)



DESIGN LAYOUT

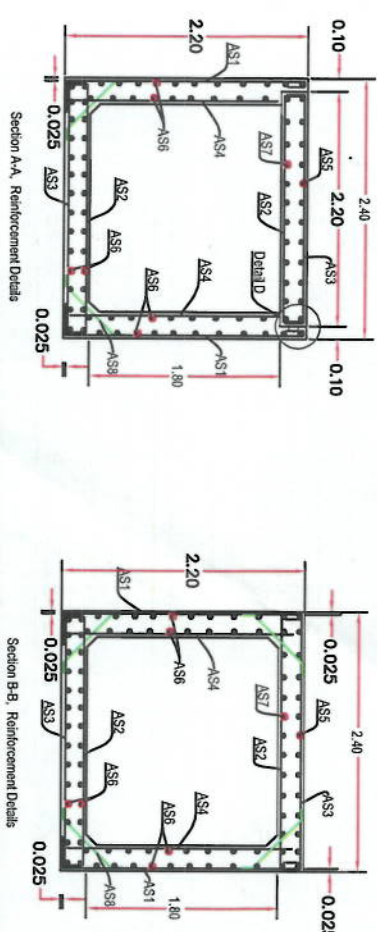
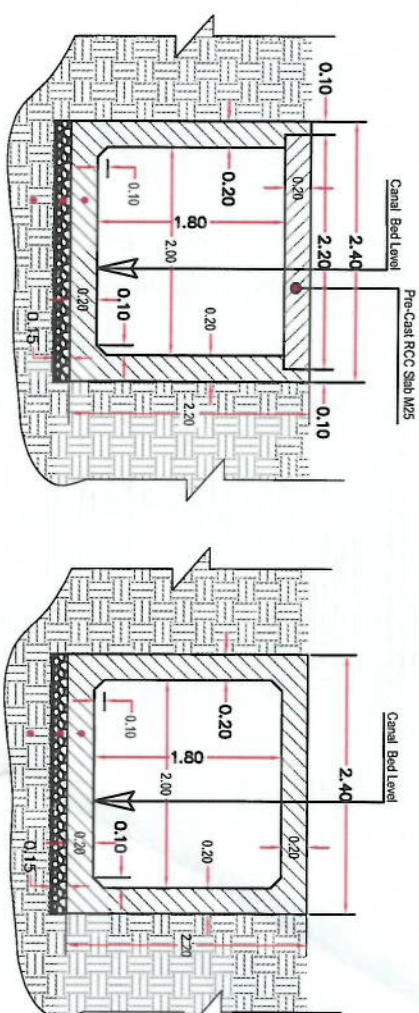


پروژه متشکله در پستان اکتشافی سال ۱۴۰۲ به شماره ۹ و تحت نام امور ساختهای
شهرک از چهار راهی چیدان هوایی ال سرک گسترگ مقیمه کانال بوده که طبق هماهنگی مقامات
مسئله استناد تخنیک لای اول این پروژه قبلا تهیه و تشریح طری حاصل شد و کاتی
از سال گذشته بوده و اینک استناد تخنیک لای دوم این پروژه که عبارت از کانال
شهرک می باشد می باشد طبق هماهنگی مقامات مساله پیشین چنانچه تهیه و ترسیم
گردیده است

ت شماره ۱۲۷۲ من ۱۱۲۳ ۱۴۰۵ هجری
ریاست زیر بنای شهرک لای

Location Districts 9,15
Length 3.520km
Structure Type RCC
Cross Section: Width x Hight
-Type A = (2 x 1.8)m
-Type B = (2.2 x 2)m
-Type C = (2.4 x 2.2)m

PROPOSED TYPICAL CROSS SECTIONS ALONG THE ROUTE



Construction of Maidan Canal 2nd Lot

نوت:
استان تخنیک پروژه هدا بعد از اتمامی سروی کنده
ترسیم کنده، دیزاین کنده، بررسی کنده ها، تایید
کنده و منظوری مقام محترم مشاورانی کامل در این صفحه
و همچنین اتمام سروی کنده، ترسیم کنده و برای این کنده
بررسی کنده ها و مهر این رانست در صفحات بعدی این
پروژه قابل طی مراحل بعدی بوده و تطبیق می گردد
اتمام مقام محترم مشاورانی کامل در این صفحه بیان کنده
منظوری مقام محترم از تمام صفحات بعدی شامل این پروژه
میباشد

مهری کنده ها:	مهری کنده ها:
بررسی کنده سروی:	بررسی کنده سروی:
علامه سخی سروی:	علامه سخی سروی:
دیزاین کنده:	دیزاین کنده:
علامه سخی سروی:	علامه سخی سروی:
بررسی کنده لای:	بررسی کنده لای:
حسین الله شالازی:	حسین الله شالازی:

















































مقام محترم مشاورانی کامل

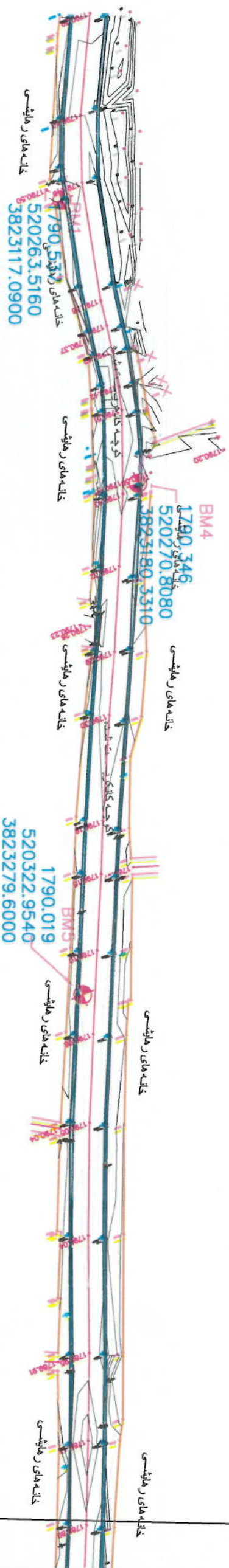
تایید کنده:

۱۴۴۵/۱۱/۲۲

1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

SYMBOL	DESCRIPTION	CODE
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CULVERT	TCU
	BOTTOM OF CULVERT	BCU
	TOP OF DITCH	TD
	STATION	STA
	CEP	CEP
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	
	TOP OF CULVERT	TCU
	CEDIMENT	
	EXISTING BRIDGE	BR
	THREE	
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOP OF RIVER	TRV
	CONTAINER	CN
	CULVERT	TCU
	TOP OF CULVERT	TCU
	CEP	CEP
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	
	TOP OF CULVERT	TCU
	CEDIMENT	
	EXISTING BRIDGE	BR
	THREE	
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOP OF RIVER	TRV
	CONTAINER	CN
	CULVERT	TCU
	TOP OF CULVERT	TCU
	CEP	CEP
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	
	TOP OF CULVERT	TCU
	CEDIMENT	
	EXISTING BRIDGE	BR

MATCH LINE - 1
AT STATION - 0+000.00

[illegible]

NOTE:
1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS

SYMBOLS	DESCRIPTION	CODE
CL	CENTER LINE	CL
BL	BUILDING	BL
TCN	TOP OF CANAL	TCN
BCN	BOTTOM OF CANAL	BCN
TD	TOP OF DITCH	TD
STN	STATION	STN
CEP	CANAL ELEVATION POINT	CEP
RE	ROAD ELEVATION	RE
TRV	TOP OF RIVER	TRV
BRV	BOTTOM OF RIVER	BRV
WALL	WALL	WALL
TCU	TOP OF CULVERT	TCU
CBATERY	CULVERT	CBATERY
BR	EXISTING BRIDGE	BR
TR	TREE	TR
MSQ	MASQUE	MSQ
HP	HAND PUMP	HP
WELL	WELL	WELL
TP	TEMPORARY POINT	TP
CN	CONTAINER	CN
TCU	CULVERT	TCU
CON	CONTOUR	CON
ASPH	ASPHALT ROAD	ASPH
PAV	PAVED ROAD	PAV

DATE	REVISION DETAILS	ISSUANCE

DESIGNED BY:
ISLAMIC EMIRATE OF
AFGHANISTAN
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF CANAL
KIBAJA KAWASHI

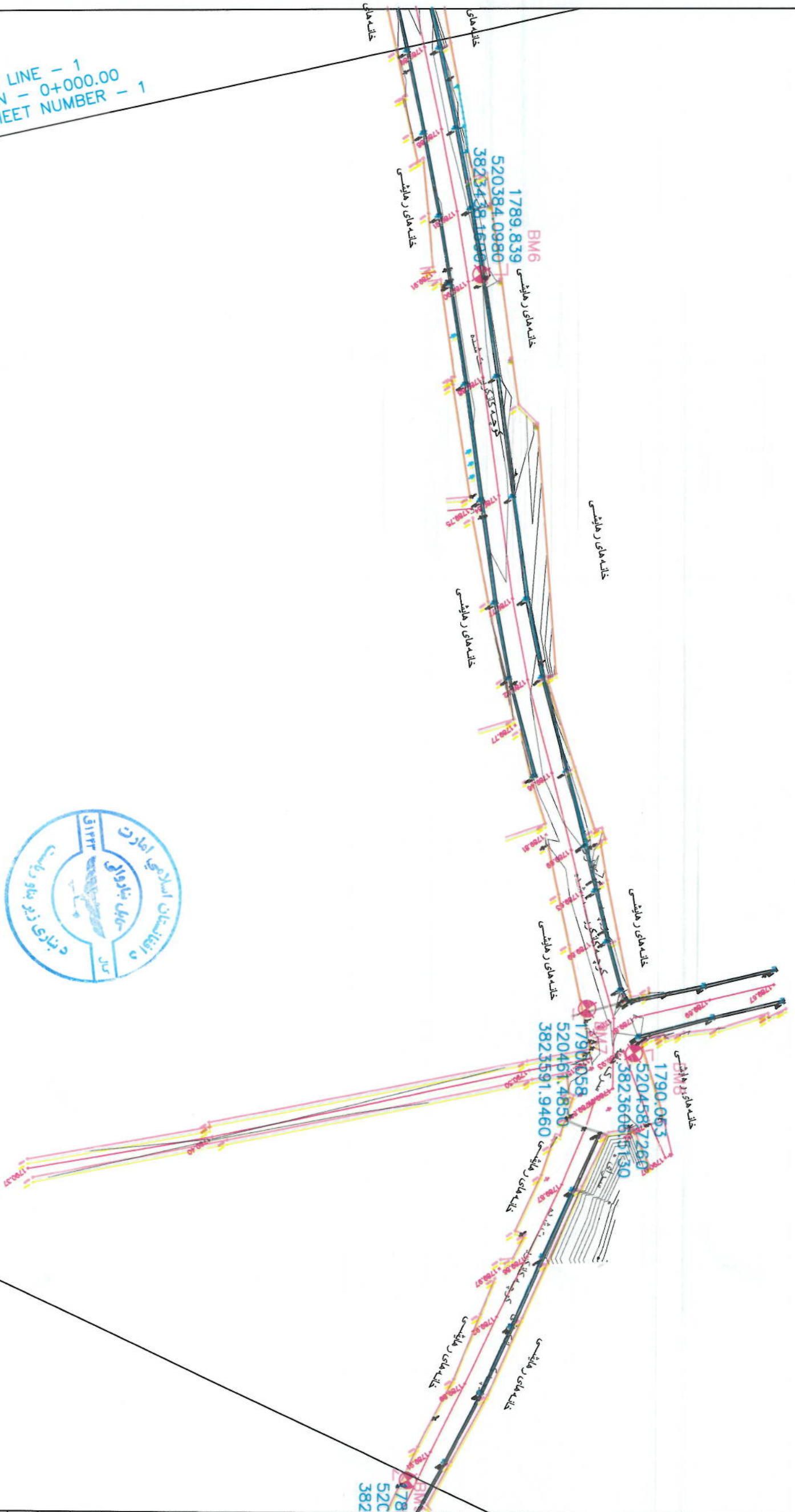
DRAWING TITLE:
TOPOGRAPHIC
SURVEY

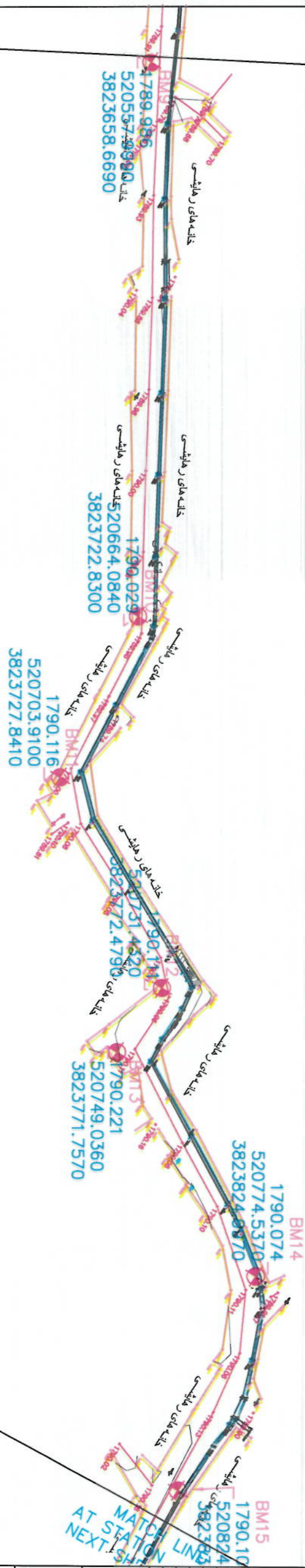
DESIGNED BY:
BISMILLAH
SURVEYOR
SIGNATURE:
DATE:
SCALE:

STATUS:
PROJECT CODE:
DRAWING #: 2



ATCH LINE - 1
ATION - 0+000.00
SHEET NUMBER - 1





LEGEND

STANDARD DESCRIPTION	CODE
CENTER LINE	CL
BUILDING	BL
TOP OF CANAL	TCN
BOTTOM OF CANAL	BCN
TOP OF EARTH	TD
STATION	STA
ROAD ELEV	RE
TOP OF RIVER	TRV
BOTTOM OF RIVER	BRV
WALL	W
TOP OF CULVERT	TCU
CANAL	CN
EXISTING ROAD	ER
TRAIL	TR
MASQUE	MSQ
HAND PUMP	HP
WELL	WEL
TEMPORARY	TP
CONTAINER	CN
CULVERT	TCU
PAVED ROAD	PR
ASPHALT ROAD	AR

NOTE:
1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED



DESIGNED BY:	KABUL MUNICIPALITY
SURVEY TEAM	
PROJECT NAME:	SURVEY OF CANAL
KIDDA RAVASH	
DRAWING TITLE:	
TOPOGRAPHIC	
SURVEY	
DESIGNED BY:	
REVISION	
DATE	
STATUS:	SURVEY
PROJECT CODE:	
DRAWING #:	3

NOTE:

[illegible]ISLAMIC EMIRATE OF
AFGHANISTAN

KABUL MUNICIPALITY

ME:
SURVEY OF CANAL.

DRAWING TITLE:

TOPOGRAPHIC SURVEY

SIGNATURE

7

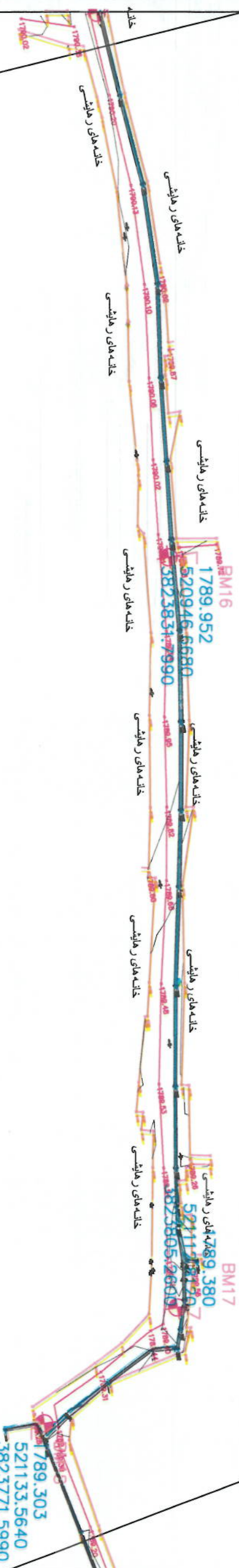
2

1

EY

4

MATCH LINE - 4
STATION - 0+000.00
NEXT SHEET NUMBER: 5



CH LINE - 3
TION - 0+000.00
SHEET NUMBER - 3



1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS		CODE
STANDARD CENTER LINE	CL	100
BUILDING	BL	101
TOP OF C&G	TCN	102
TOP OF RAIL	TCR	103
TOP OF BRICK OF CONCL	BDN	104
TOP OF CURB	BDL	105
STATION	SVA	106
ROAD CENTER LINE	CEP	107
ROAD EDGE	RE	108
TOP OF RIVER	TRV	109
BOTTOM OF RIVER	BRV	110
WALL		
TOP OF CULVERT	TCU	111
CEDARITY	BR	112
EXISTING BRIDGE	BR	113
TREE		
MASQUE	MSQ	114
HAND PUMP	HP	115
WELL	WEL	116
Typical water pump	TP	117
CONTAINER	CN	118
CULVERT	TCU	119
Flow 100% TCU		
CONCRETE	CON	120
PAVED ROAD		
ASPHALT ROAD		

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF CANAL
KHAIJA RAWASHI

DRAFTING TITLE:

TOPOGRAPHIC
SURVEY

DESIGNED BY: 
BESMILLAH: 

MUSTAFA:	<i>[Signature]</i>
NORAHMAN:	<i>[Signature]</i>
FARHAD:	<i>[Signature]</i>
SIGMA TORK:	<i>[Signature]</i>

HEAD OF SURVEY : SAVED ATIQ:	SIGNATURE:
---------------------------------	------------

DATE:	SCALE:
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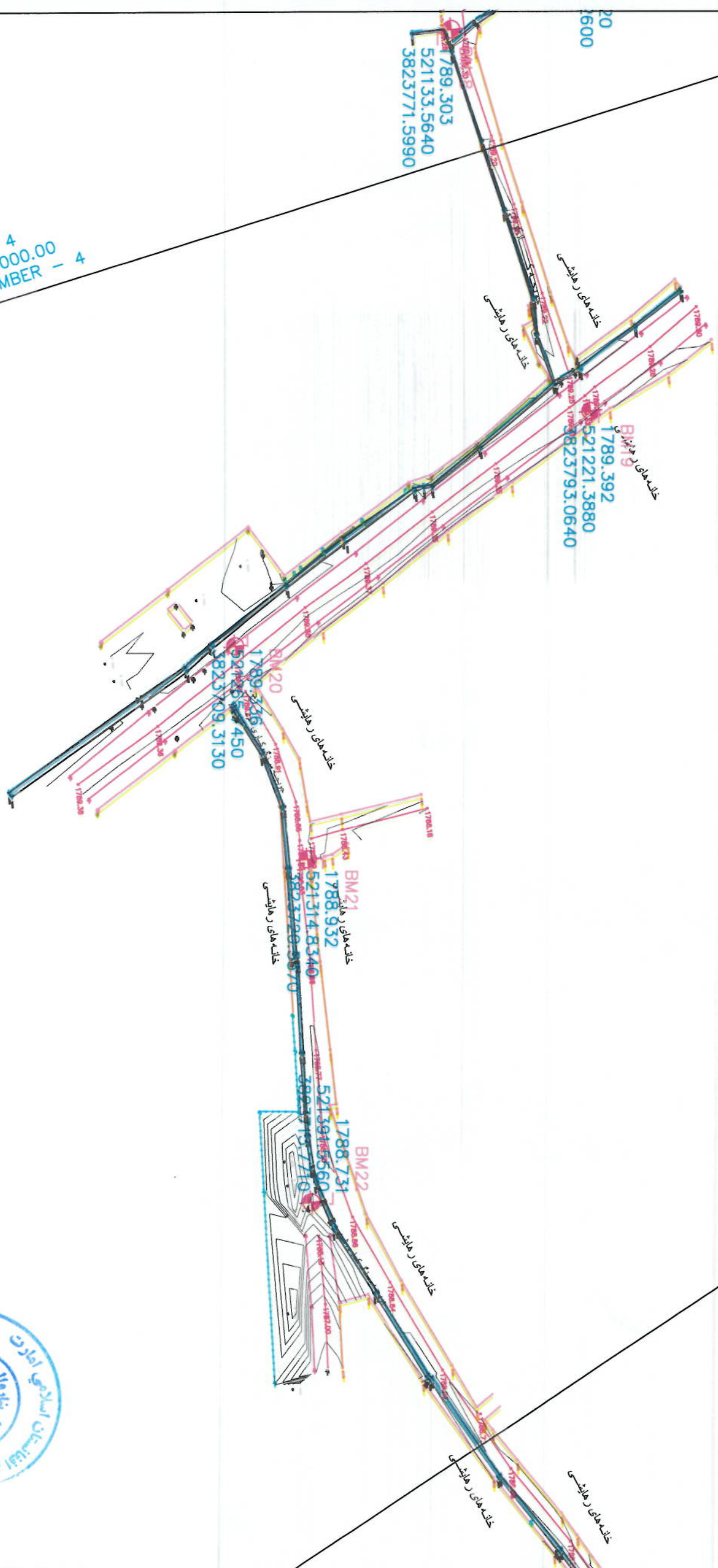
STATUS:	

PROJECT CODE: SURVEY

FINANCIAL CORP.

DRAWING #: 5

MATCH LINE - 5
 STATION - 0+000.00
 NEXT SHEET NUMBER: 6



MATCH LINE - 4
AT STATION - 0+000.00
PREVIOUS SHEET NUMBER - 4



NOTE:
1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGEND	
SYMBOL DESCRIPTION	CODE
CENTER LINE	CL
BUILDING	BL
TOP OF CANAL	TCN
BOTTOM OF CANAL	BCN
TOP OF DITCH	TD
STATION	STA
ROAD EDGE	RE
TOP OF RIVER	TRV
BOTTOM OF RIVER	BRV
WALL	W
TOP OF CULVERT	TCU
CULVERT	CU
CELESTERY	CE
EXTENSION	EX
TREE	TR
MASQUE	MSQ
HAND PUMP	HP
WELL	WEL
CONTAINER	CN
CULVERT	TCU
PAVED ROAD	PR
ASPHALT ROAD	AR

DATE	REVISION DETAILS	DRAWN







ISLAMIC EMIRATE OF
AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF CANAL
KIDANA KAWASHI

DRAWING TITLE:

TOPOGRAPHIC
SURVEY

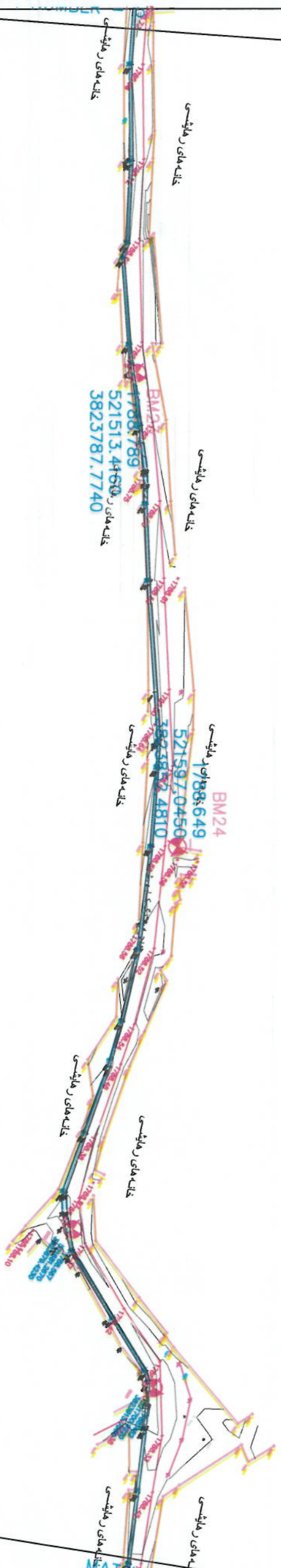
DESIGNED BY: 
CHECKED BY: 
NOTED BY: 
FARMAD: 
HEAD OF SURVEY: 
SIGNED ATQ: 

DATE: 

STATUS: SURVEY

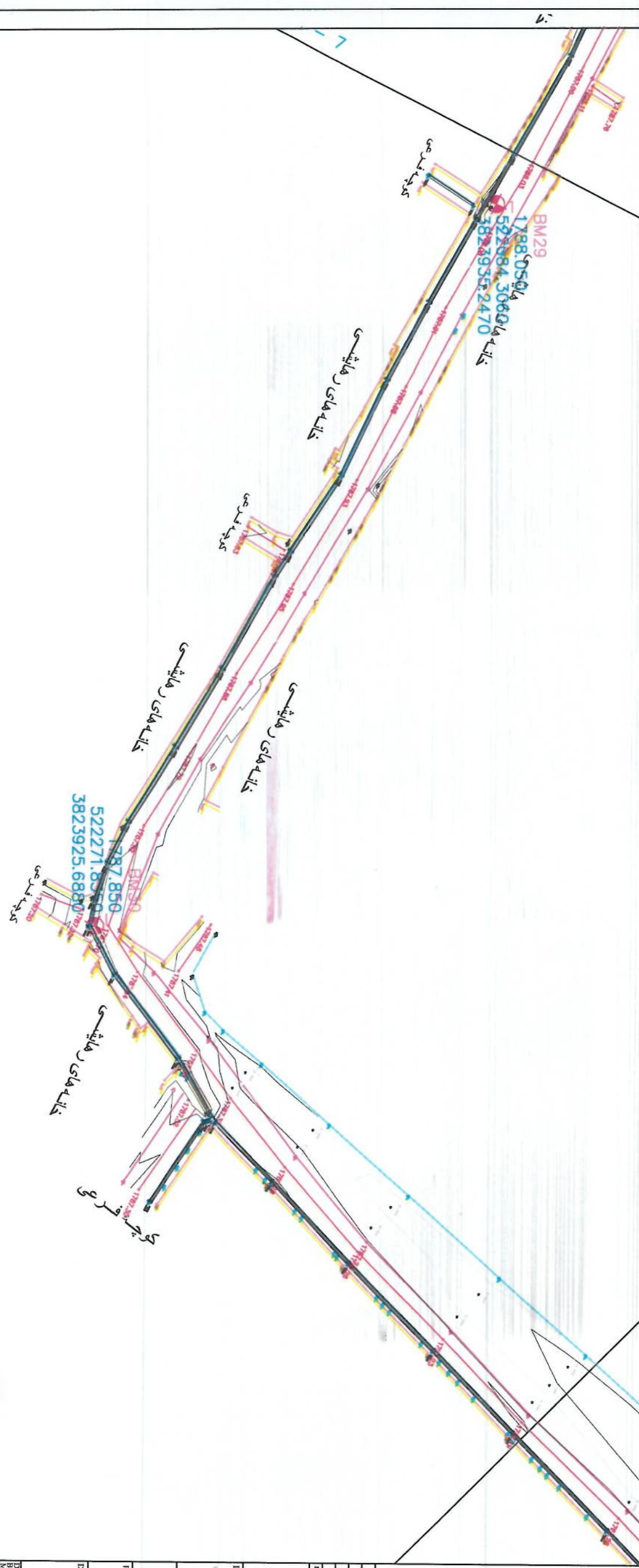
PROJECT CODE:

DRAWING #: 6



STATION LINE - 8
EXT SHEET NUMBER: 9

سلحه میدان هوایی



NOTE:

1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS

SYMBOL DESCRIPTION	CODE
CENTER LINE	CL
BOUNDARY	BL
TOP OF CANAL	TCN
BOTTOM OF CANAL	BCN
TOP OF EMBANK	TD
STATION	STA
ROAD EMBANK	RE
TOP OF RIVER	TRV
BOTTOM OF RIVER	BRV
WALL	W
TOP OF CULVERT	TCU
CEMETERY	CEM
EXISTING BRIDGE	BR
NEW BRIDGE	BRN
MASSIVE	MSQ
HAND PUMP	HP
WELL	WEL
CONTAINER	CN
CULVERT	TCU
CONCRETE	CON
PAVED ROAD	PRD
ASPHALT ROAD	ASR

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

DESIGNED BY: KABIL MUNICIPALITY
SURVEY TEAM



PROJECT NAME:
SURVEY OF CANAL
KIDUA KAWASH

DRAWING TITLE:

TOPOGRAPHIC
SURVEY

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]
DATE: [Date]

HEAD OF SURVEY: [Signature]
SIGNATURE:

DATE: [Date]
SCALE:

STATUS: SURVEY

PROJECT CODE:

DRAWING #: 8



MATCH LINE
AT STATION - 0+000.00
PREVIOUS SHEET NUMBER - 8

ساحه میدان هوايي

زمین مسقف

1787.178
522440.6560
3824290.1120

BM31
1786.957
522411.1070
3824312.4730

MATCH LINE - 9
AT STATION - 0+000.00
SHEET NUMBER: 10

NOTE:

1 ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS	
SYMBOL DESCRIPTION	CODE
CENTER LINE	CL
BUILDING	BL
TOP OF CANAL	TCN
BOTTOM OF CANAL	BCN
TOP OF BRICK	TDB
STATION	STA
ROAD EDGE	RE
TOP OF RIVER	TRV
BOTTOM OF RIVER	BRV
WALL	W
TOP OF CULVERT	TCU
CENMETERY	BR
EXISTING BRIDGE	BR
NEW BRIDGE	BR
MASQUE	MSQ
HAND PUMP	HP
WELL	W
CONTAINER	CN
CULVERT	TCU
WALL	W
PAVED ROAD	PR
GRAVEL ROAD	GR
ASPHALT ROAD	AR

DATE	REVISION/DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:

SURVEY OF CANAL
KHAMA RAWASHI

DRAWING TITLE:

TOPOGRAPHIC
SURVEY

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE:

SCALE:

STATUS:

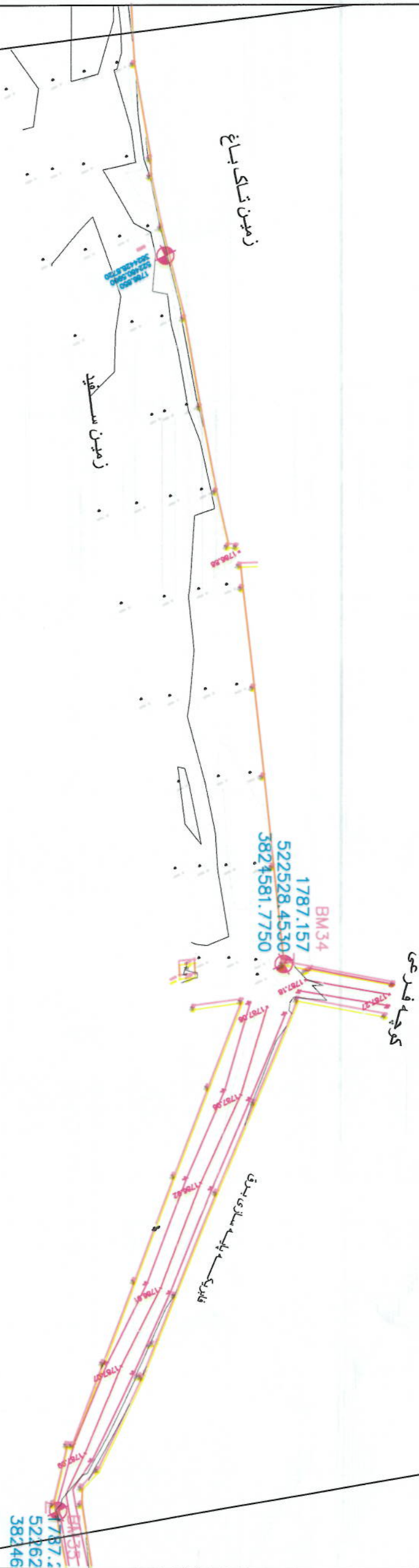
PROJECT CODE:

DRAWING #:

9



MATCH LINE - 9
AT STATION - 0+000.00
PREVIOUS SHEET NUMBER - 9



MATCH LINE - 10
AT STATION - 0+000.00
NEXT SHEET NUMBER: 1

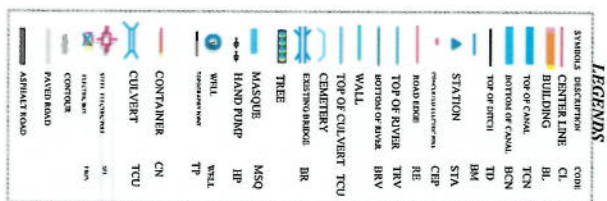


NOTE:
1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS

STATION	STATION	STATION	STATION
TOP OF CANAL	TOP OF CANAL	TOP OF CANAL	TOP OF CANAL
BOTTOM OF CANAL	BOTTOM OF CANAL	BOTTOM OF CANAL	BOTTOM OF CANAL
TOP OF DITCH	TOP OF DITCH	TOP OF DITCH	TOP OF DITCH
STATION	STATION	STATION	STATION
ROAD EDGE	ROAD EDGE	ROAD EDGE	ROAD EDGE
TOP OF RIVER	TOP OF RIVER	TOP OF RIVER	TOP OF RIVER
BOTTOM OF RIVER	BOTTOM OF RIVER	BOTTOM OF RIVER	BOTTOM OF RIVER
WALL	WALL	WALL	WALL
TOP OF CULVERT	TOP OF CULVERT	TOP OF CULVERT	TOP OF CULVERT
CHIMNEY	CHIMNEY	CHIMNEY	CHIMNEY
DISTINGUISH	DISTINGUISH	DISTINGUISH	DISTINGUISH
BR	BR	BR	BR
MASSUE	MASSUE	MASSUE	MASSUE
HAND TOWER	HAND TOWER	HAND TOWER	HAND TOWER
WELL	WELL	WELL	WELL
TP	TP	TP	TP
CONTAINER	CONTAINER	CONTAINER	CONTAINER
CN	CN	CN	CN
CULVERT	CULVERT	CULVERT	CULVERT
TCU	TCU	TCU	TCU
PAVED ROAD	PAVED ROAD	PAVED ROAD	PAVED ROAD
ASPHALT ROAD	ASPHALT ROAD	ASPHALT ROAD	ASPHALT ROAD

DESIGNED BY:	KABUL MUNICIPALITY SURVEY TEAM
PROJECT NAME:	SURVEY OF CANAL KHAJA RAWASH
DRAWING TITLE:	TOPOGRAPHIC SURVEY
DATE:	SCALE:
STATUS:	SURVEY
PROJECT CODE:	
DRAWING #:	10



NOTE:

DESIGNED BY:
KABUL MUNICIPALITY
SURVEY TEAM

DRAWING TITLE:

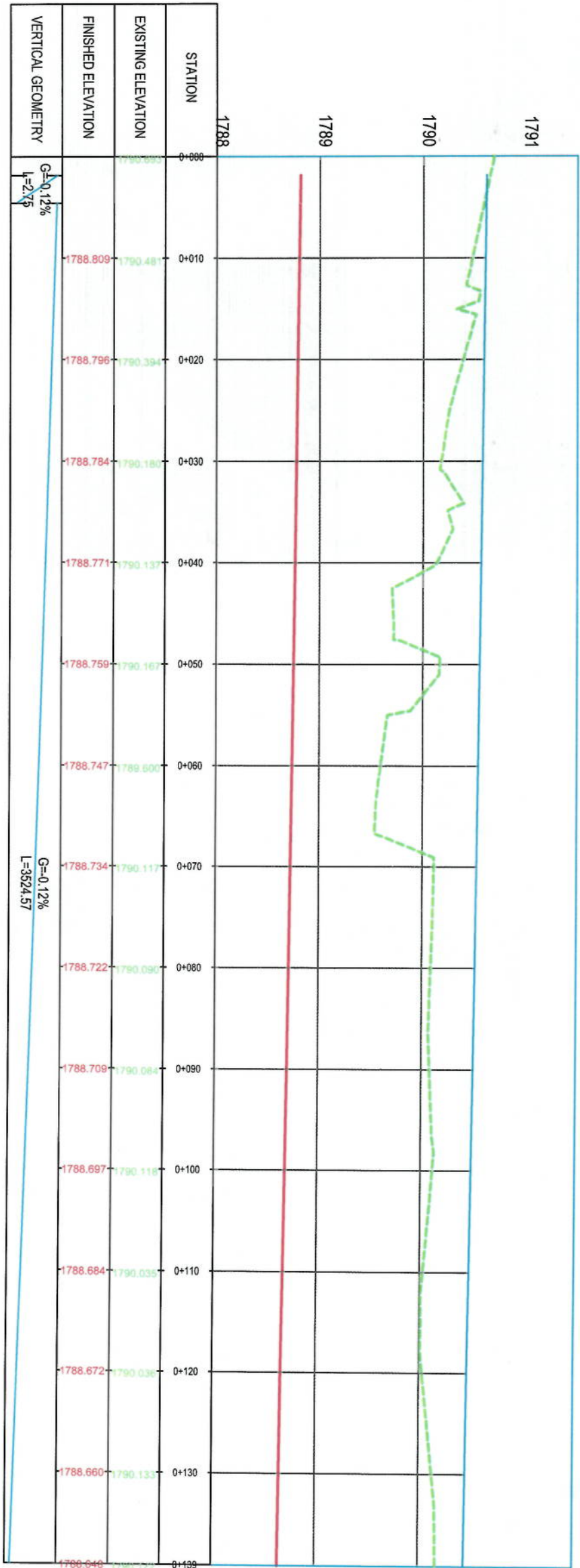
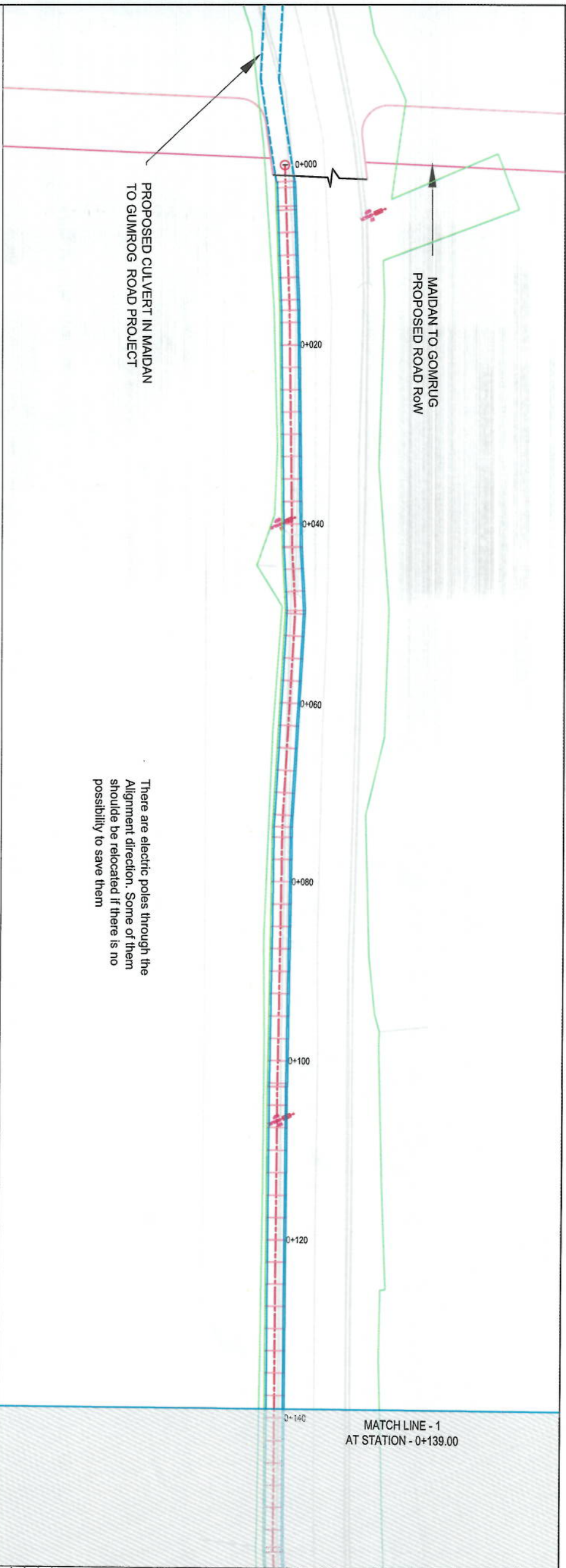
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100

DRAWING: #

DNA WIND 11





NOTE:
1. All dimensions are in metric unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

Plan & Profile

Drawn By:	Signature:
Designed By:	Signature:
Checked By:	Signature:
Reviewed By:	Signature:

Date: 7/23/2023

Scale: 1:500

Status: FINAL
DESIGN

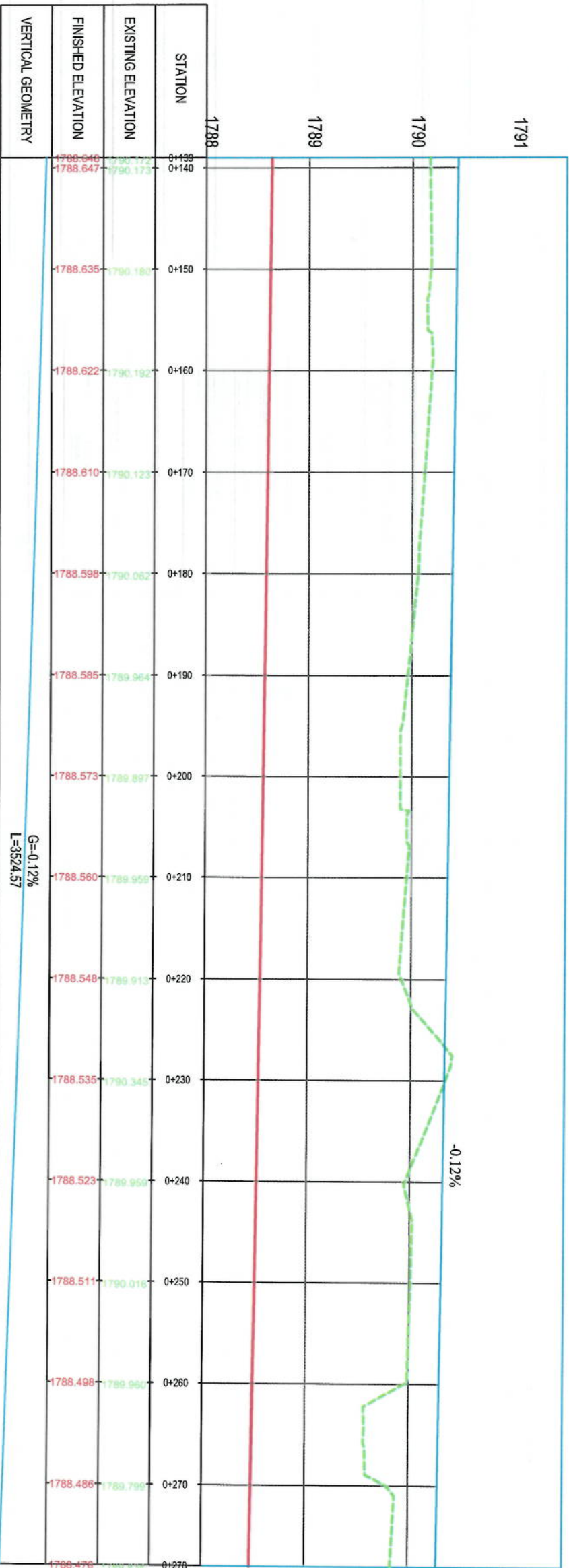
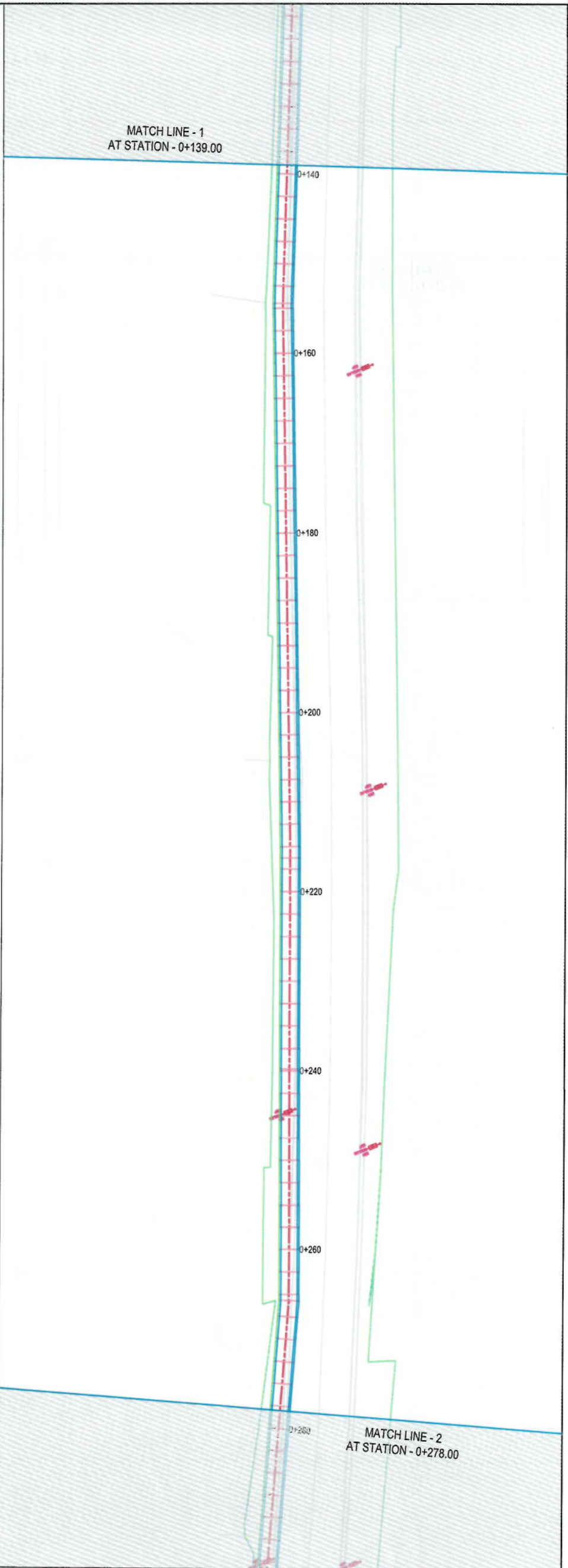
Project Code

SHEET NO.

LT2C-PLPR

Revision

01



G=-0.12%
L=3524.57

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:

Plan & Profile

Drawn by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: 7/23/2023

Scale: 1:500

Status: FINAL
DESIGN

Project Code

SHEET NO.

L72C-PLPR

Revision

01



MATCH LINE
AT STATION - 0+

MATCH LINE - 2
AT STATION - 0+278.00



NOTE:
1. All dimensions are in meters unless
otherwise indicated.

Rev	Date	Revision Details	Drawn	Check	App'd

ISLAMIC REPUBLIC OF
AFGHANISTAN

DESIGNED BY:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

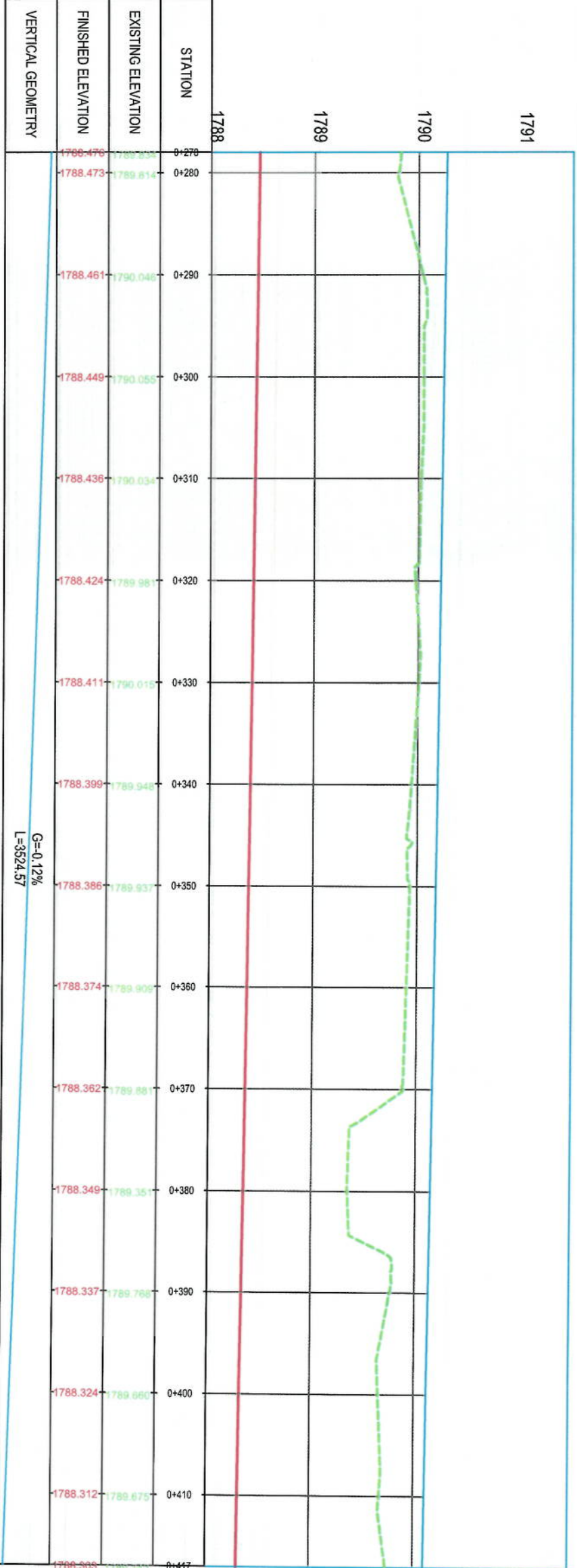
Drawing Title:
Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: **7/23/2023**
Scale: **1:500**

Status: **FINAL
DESIGN**

Project Code:
L72C-PL-PR
Revision:
01



1791

1790

1789

1788

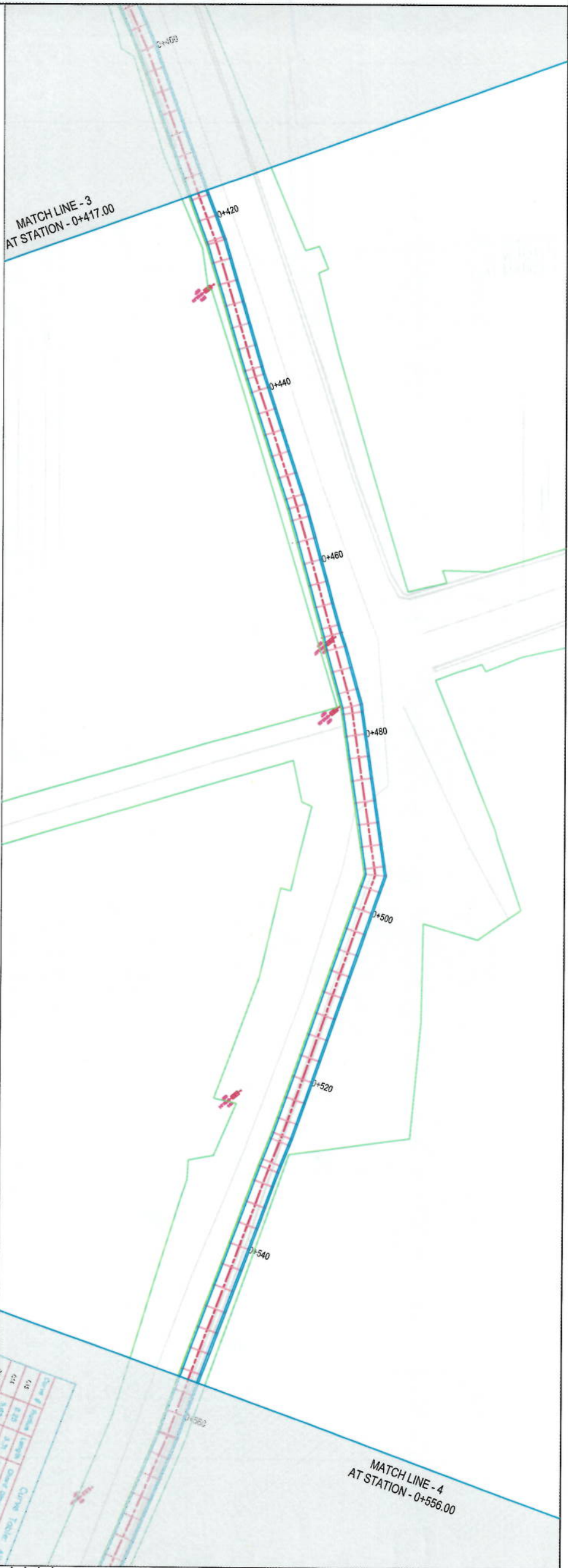
STATION

EXISTING ELEVATION

FINISHED ELEVATION

VERTICAL GEOMETRY

G=0.12%
L=3524.57



NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Check	Appd.

Designed By:

ISLAMIC REPUBLIC OF
AFGHANISTAN



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:

Plan & Profile

Drawn by:
Ghulam Sahib Soroosh
Signature:

Designed by:
Ghulam Sahib Soroosh
Signature:

Checked by:
Habibullah Shalizi
Signature:

Reviewed by:
Signature:

Date: 7/23/2023
Scale: 1:500

Status: FINAL
DESIGN

Project Code

Sheet No.

LT2C-PLPR

01

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1788	1788.303	1788.300
0+417	1788.303	1788.300
0+420	1788.781	1788.781
0+430	1788.785	1788.287
0+440	1788.854	1788.275
0+450	1788.908	1788.262
0+460	1788.961	1788.250
0+470	1790.083	1788.237
0+480	1790.152	1788.225
0+490	1789.845	1788.213
0+500	1789.903	1788.200
0+510	1789.542	1788.188
0+520	1789.506	1788.175
0+530	1789.488	1788.163
0+540	1789.808	1788.151
0+550	1789.819	1788.138
0+556	1789.827	1788.131

12.13%

G=0.12%
L=3524.57

MATCH LINE - 4
AT STATION - 0+556.00

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	8.35	4.60	N69° 00' 30.38"E	(2507.62.00, 2623.78.23)	(2507.64.32, 2623.70.42)
C4	8.42	4.88	N69° 10' 28.54"E	(2607.73.32, 2623.73.68)	(2607.50.70, 2623.77.61)
C3	83.83	20.14	S68° 57' 54.59"E	(2518.78.36, 2623.94.85)	(2518.68.41, 2623.94.44)
C2	5.69	4.52	N62° 55' 07.30"E	(2518.00.17, 2623.92.83)	(2518.04.54, 2623.99.63)
C1	11.43	8.81	N01° 20' 08.06"E	(2516.78.44, 2623.93.16)	(2516.83.87, 2623.98.17)

Rev.	Date	Revision Details	Drawn	Chkd	Appd

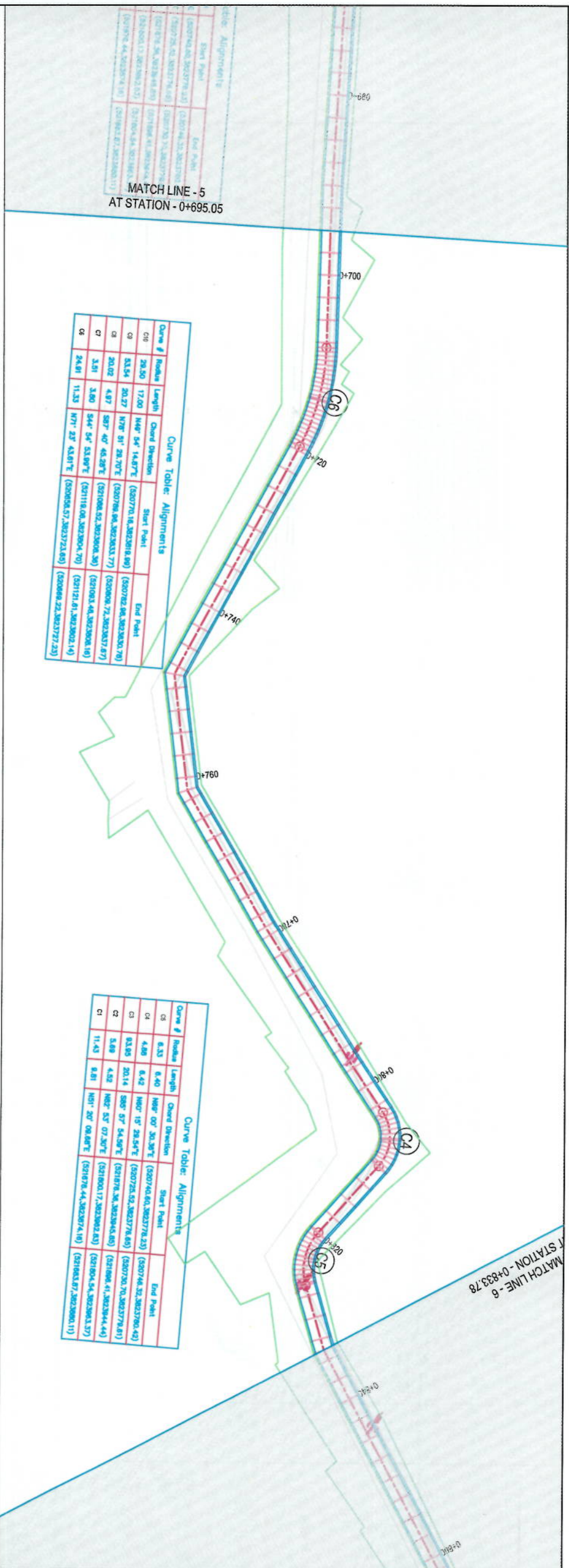
**KABUL MUNICIPALITY
DESIGN TEAM**

Plan & Profile

Date:	6/8/2021	Scale:	1:500
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LT2C-PLPR

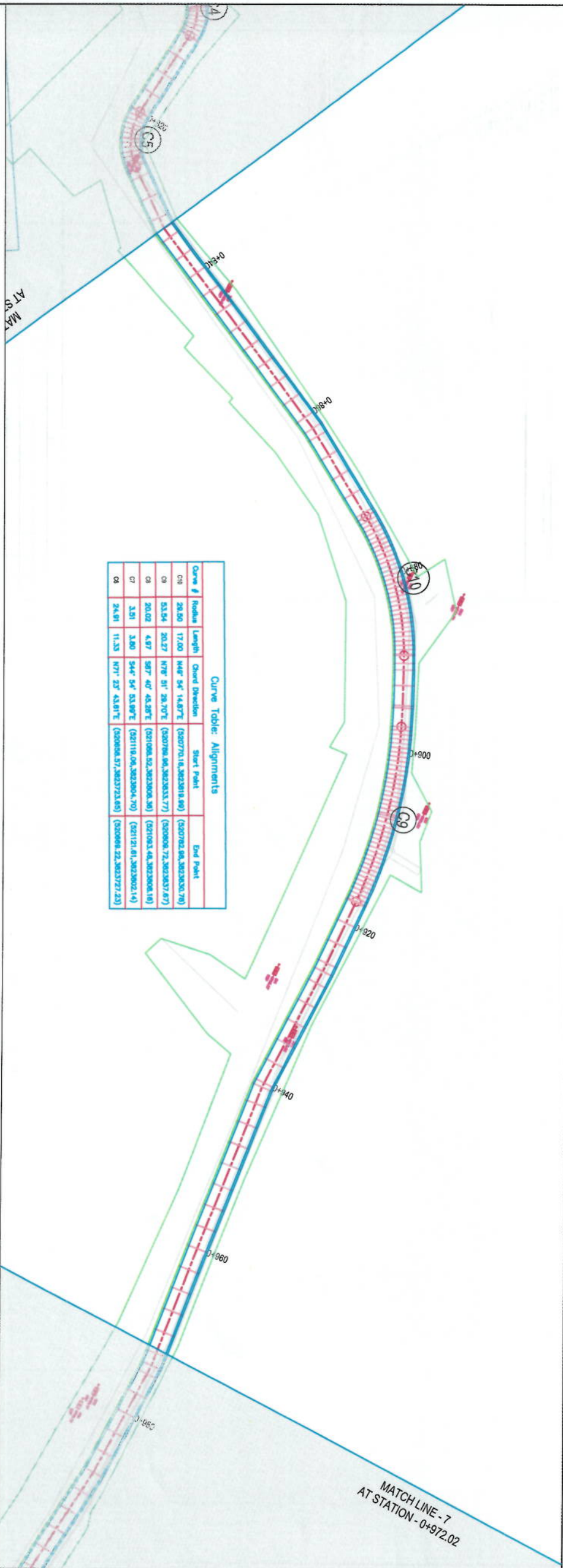
01



Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C6	28.50	17.00	N46° 54' 14.87"E	(350770.18, 3823018.89)	(350782.08, 3823020.70)
C5	33.54	20.37	N78° 01' 28.70"E	(350770.18, 3823018.89)	(350782.08, 3823020.70)
C4	30.02	4.97	S87° 40' 45.28"E	(350782.08, 3823020.70)	(350782.08, 3823020.70)
C3	3.51	3.80	S44° 54' 53.89"E	(350782.08, 3823020.70)	(350782.08, 3823020.70)
C2	24.81	11.33	N71° 23' 43.81"E	(350782.08, 3823020.70)	(350782.08, 3823020.70)

Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C5	8.33	6.40	N60° 07' 30.89"E	(350740.00, 3823778.23)	(350746.30, 3823780.43)
C4	4.89	6.42	N60° 10' 28.54"E	(350740.00, 3823778.23)	(350746.30, 3823780.43)
C3	83.80	20.14	S85° 57' 54.50"E	(350746.30, 3823780.43)	(350750.70, 3823778.81)
C2	5.89	4.52	N67° 07' 30.70"E	(350750.70, 3823778.81)	(350750.70, 3823778.81)
C1	11.43	8.81	N51° 20' 08.89"E	(350750.70, 3823778.81)	(350750.70, 3823778.81)

			1791
			1790
			1789
			1788
STATION	EXISTING ELEVATION	FINISHED ELEVATION	
0+695	1787.956	1787.956	
0+700	1787.952	1787.952	
0+710	1787.939	1787.939	
0+720	1787.927	1787.927	
0+730	1787.915	1787.915	
0+740	1787.902	1787.902	
0+750	1787.890	1787.890	
0+760	1787.877	1787.877	
0+770	1787.865	1787.865	
0+780	1787.853	1787.853	
0+790	1787.840	1787.840	
0+800	1787.828	1787.828	
0+810	1787.815	1787.815	
0+820	1787.803	1787.803	
0+830	1787.790	1787.790	
0+834	1787.786	1787.786	
VERTICAL GEOMETRY			
G=-0.12%			
L=3524.57			



Curve Table: Alignments					
Curve #	Radius	Length	Curve Direction	Start Point	End Point
C10	28.50	17.00	N46° 54' 14.87"E	(350770.16, 3823818.40)	(350792.06, 3823820.78)
C9	53.54	20.27	N78° 01' 28.70"E	(350796.06, 3823833.77)	(350806.72, 3823837.87)
C8	20.02	4.87	S87° 40' 43.20"E	(351006.32, 3823806.36)	(351003.44, 3823806.16)
C7	3.51	3.80	S44° 54' 53.89"E	(351119.06, 3823804.70)	(351121.81, 3823802.14)
C6	24.81	11.33	N71° 23' 43.87"E	(350806.37, 3823773.40)	(350806.22, 3823772.23)

STATION	0+834	0+840	0+850	0+860	0+870	0+880	0+890	0+900	0+910	0+920	0+930	0+940	0+950	0+960	0+970	0+973
EXISTING ELEVATION	1787.786	1787.778	1787.766	1787.753	1787.741	1787.728	1787.716	1787.704	1787.691	1787.679	1787.666	1787.654	1787.642	1787.629	1787.617	1787.613
FINISHED ELEVATION	1790.040	1790.041	1790.048	1790.076	1790.094	1790.071	1790.047	1790.034	1790.104	1789.946	1789.322	1790.111	1790.127	1790.096	1790.083	1790.070
VERTICAL GEOMETRY	G=-0.12% L=3524.57															



NOTE:
1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
MAIDAN LOT 2 - CANAL PROJECT

Drawing Title:

Plan & Profile

Drawn By:	Signature:
Checked By:	Signature:
Reviewed By:	Signature:

Date:

6/8/2021

Scale:

1:500

Status:

FINAL DESIGN

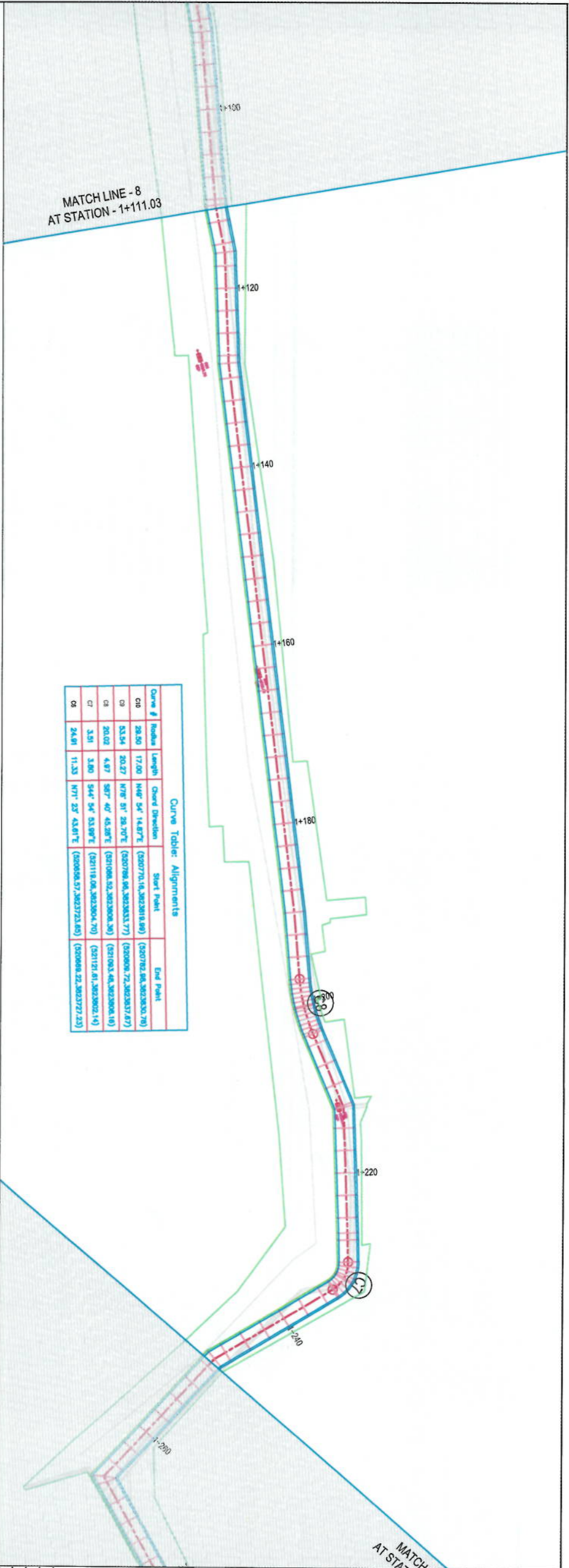
Project Code:

Sheet No.

L73C-PLPR

Revision

01



STATION	1787	1788	1789	1790	1791
EXISTING ELEVATION	1787.446	1787.430	1787.418	1787.406	1787.393
FINISHED ELEVATION	1787.446	1787.430	1787.418	1787.406	1787.393
VERTICAL GEOMETRY	G=-0.12% L=3524.57				

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:

KARUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: 7/23/2023

Scale: 1:500

State: FINAL

Design

Project Code

SHEET NO.

L172C-PL-PR

Revision

01

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL PROJECT

Drawing Title:

Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: 7/23/2023

Scale: 1:500

Status: FINAL DESIGN

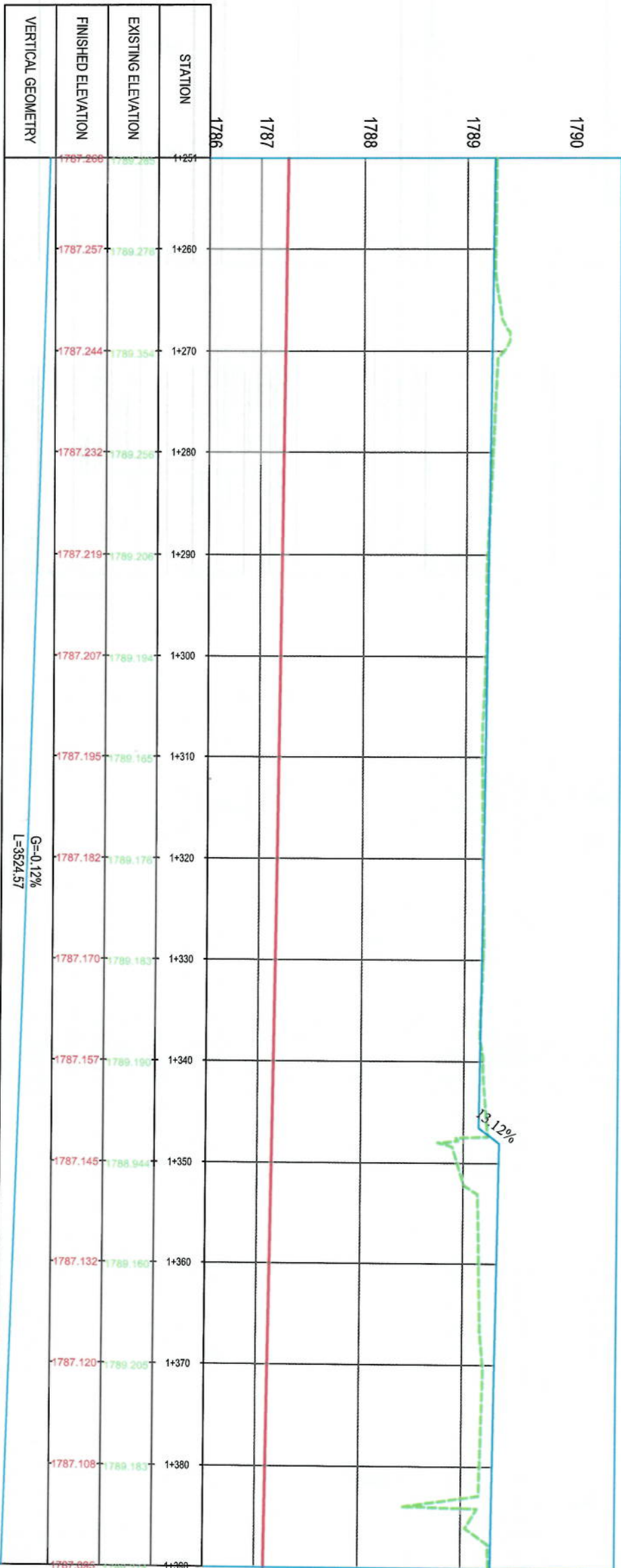
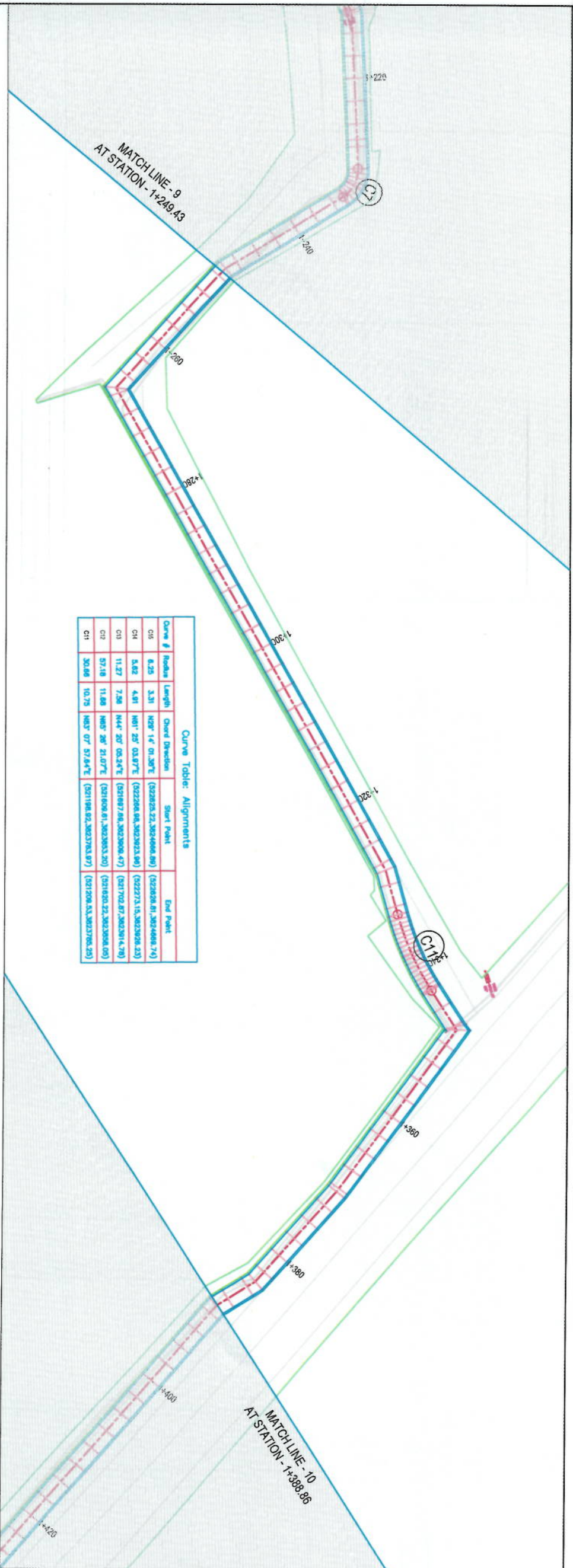
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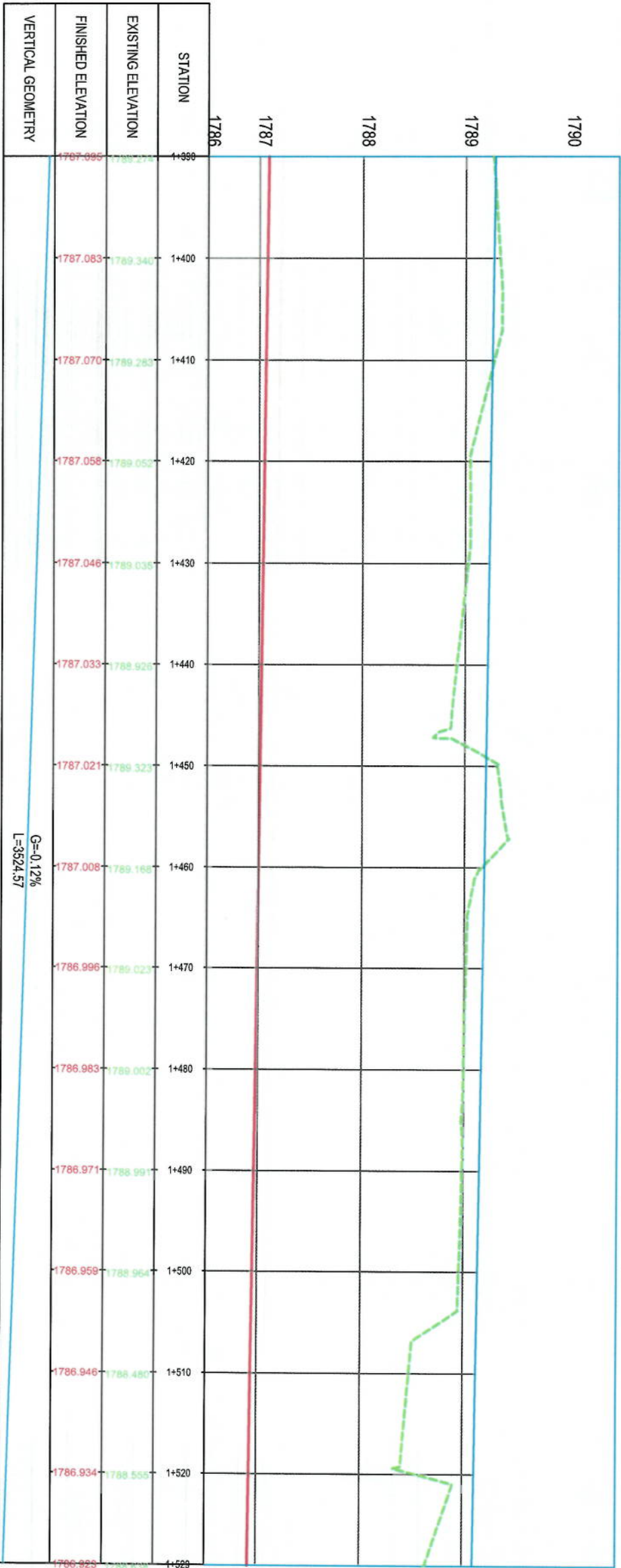
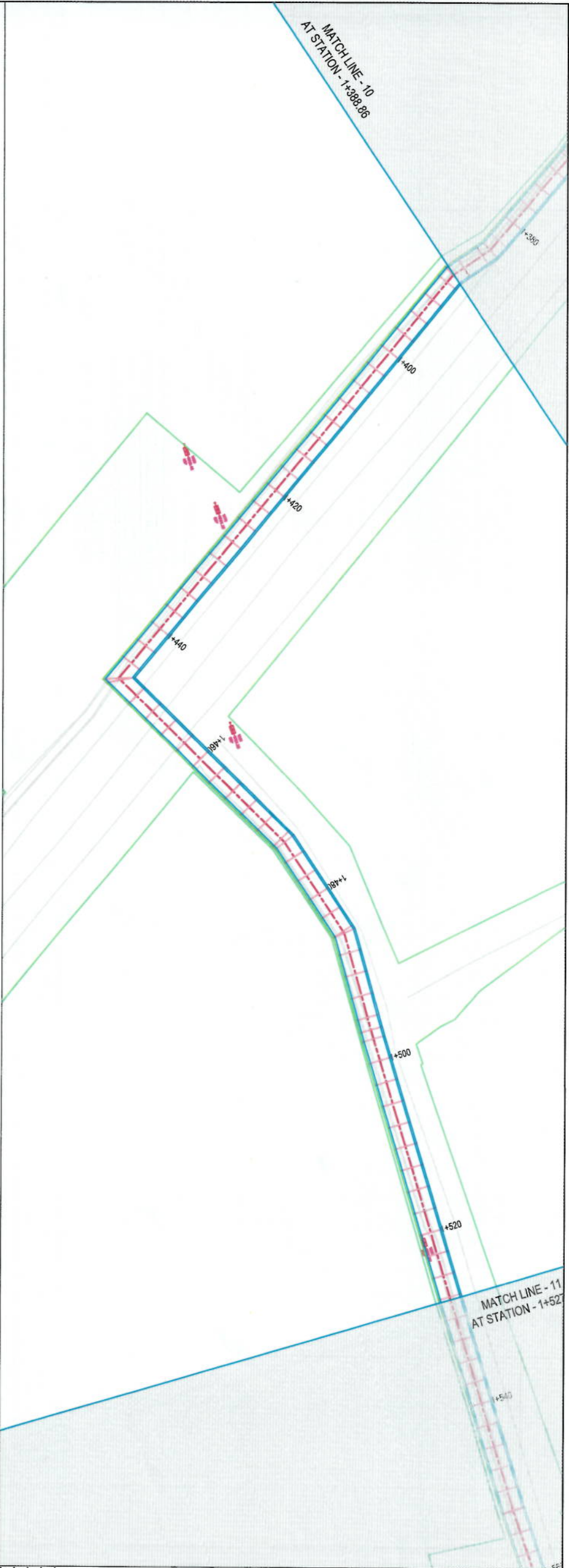
SHEET NO.

L72C-PL-PR

Revision

01





NOTE: 1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

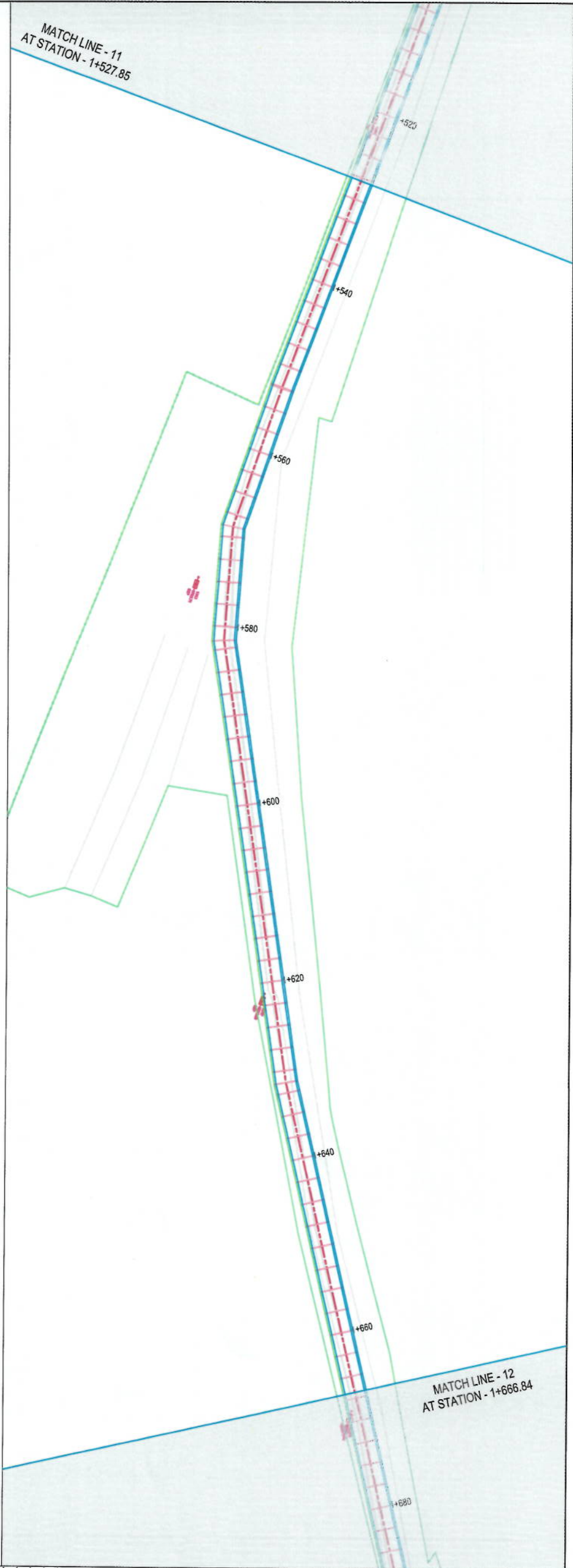
Project Name: MAIDAN LOT2 - CANAL PROJECT
Drawing Title: Plan & Profile

Drawn By: Ghulam Sahib Sorosh
Designed By: Ghulam Sahib Sorosh
Checked By: Habibullah Shalaby
Reviewed By: Signature: [Signature]

Date: 7/23/2023
Scale: 1:500

Status: FINAL DESIGN

Project Code: LT2C-PL-PR
SHEET NO: 01



NOTE:
1. All dimensions are in meters unless
otherwise indicated.

Rev.	Date	Revision Details	Drawn	Checked	Appd.

Designed By:

ISLAMIC REPUBLIC OF
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:

Plan & Profile

Drawn by:
Ghulam Sahib Soroth
Signature:

Designed by:
Ghulam Sahib Soroth
Signature:

Checked by:
Habibullah Shalizi
Signature:

Reviewed by:
Signature:

Date:
7/23/2023
Scale:
1:500

Status:
FINAL
DESIGN

Project Code:

SHEET NO.
L72C-PLPR
Revision
01



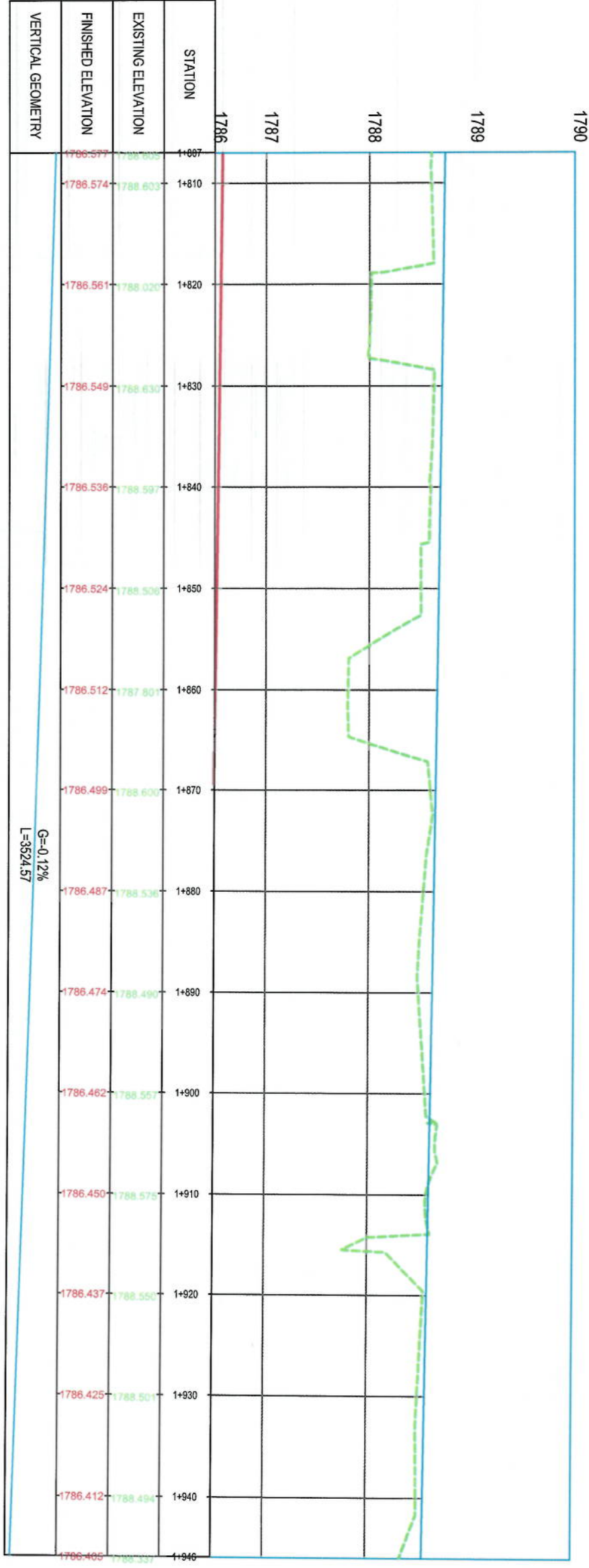
MATCH LINE - 13
AT STATION - 1+805.83

Curve Table: Alignments				
Curve #	Radius	Length	Curve Direction	Start Point
C15	6.25	3.21	N45° 14' 01.28"E	(322923.22,302466.89)
C14	5.62	4.91	N61° 25' 03.87"E	(322926.80,302392.80)
C13	11.27	7.58	N44° 20' 02.24"E	(32187.89,3023908.47)
C12	57.18	11.68	N65° 20' 21.07"E	(321808.61,302383.20)
C11	30.68	10.79	N65° 07' 57.44"E	(321198.82,302378.97)

Curve Table: Alignments				
Curve #	Radius	Length	Curve Direction	Start Point
C5	0.33	0.40	N69° 00' 30.28"E	(350740.80,302378.23)
C4	4.88	0.42	N69° 15' 28.57"E	(350723.32,302378.85)
C3	83.85	20.14	S68° 57' 54.89"E	(321878.28,3023945.85)
C2	5.68	4.52	N65° 55' 07.20"E	(321800.17,3023982.83)
C1	11.43	9.81	N61° 20' 08.08"E	(321678.44,3023974.16)



NOTE:
1. All dimensions are in meters unless otherwise indicated.



Project Name: MAIDAN LOT2 - CANAL PROJECT

Drawing Title: Plan & Profile

Designed By: [Signature]

Drawn By: [Signature]

Checked By: [Signature]

Reviewed By: [Signature]

Date: 7/23/2023

Scale: 1:500

Sheet No: L72C-PLPR

Revision: 01

ISLAMIC REPUBLIC OF
AFGHANISTAN

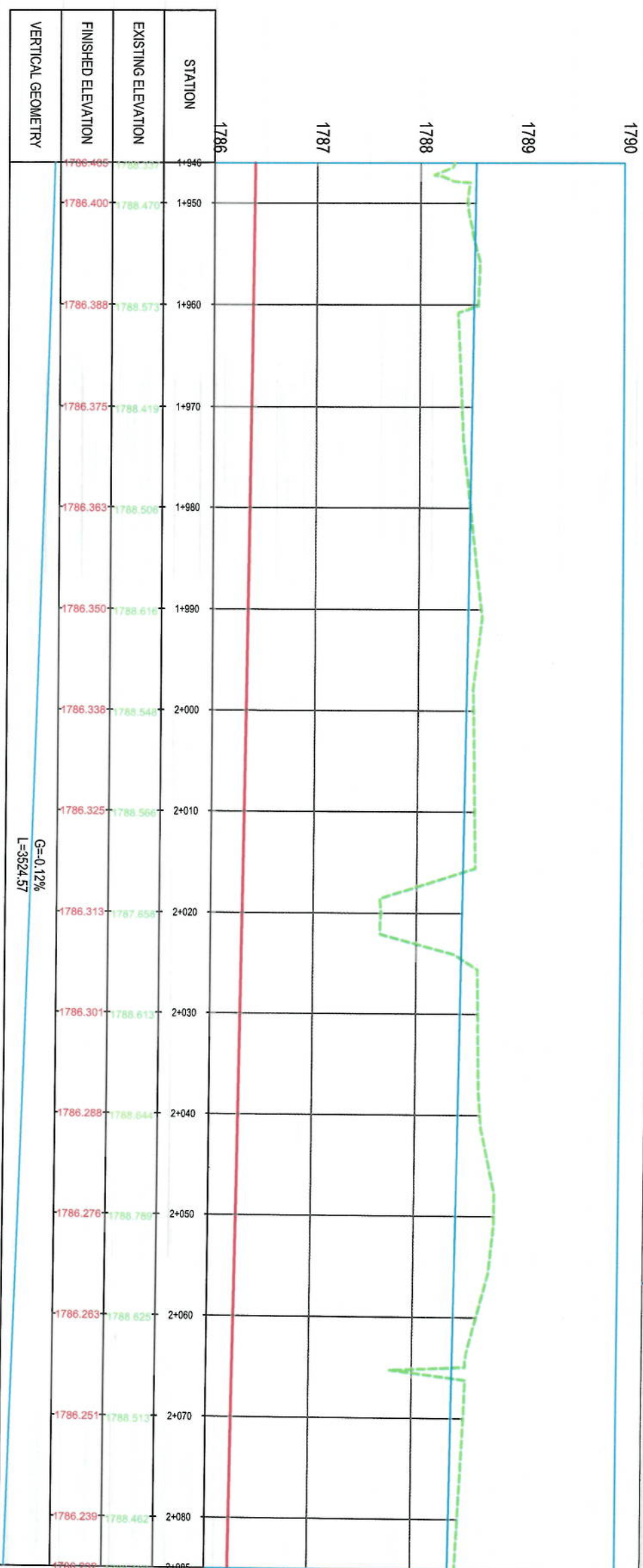
KABUL MUNICIPALITY
DESIGN TEAM

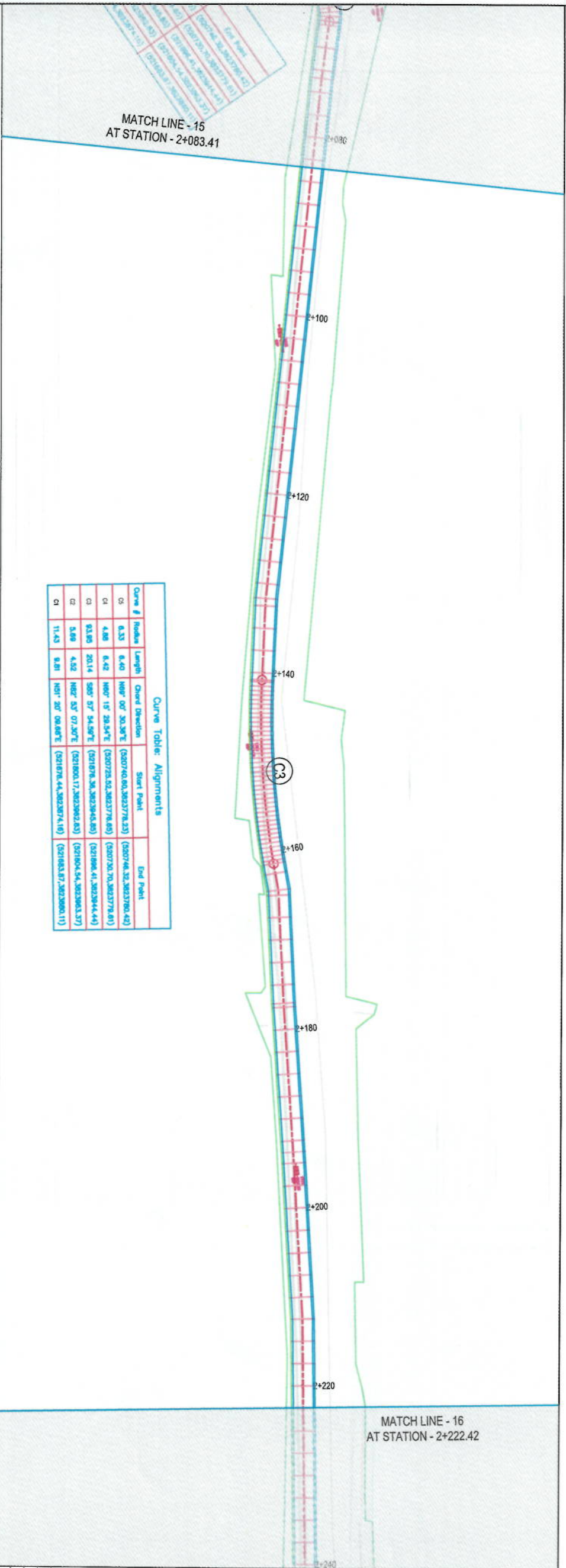
Drawing Title:

Drawn by : Ghulam Sakib Sarosh	Signature:
Designed by: Ghulam Sakib Sarosh	Signature:
Checked by : Hasnallah Shariq	Signature:
Reviewed by	Signature:

Status: **FINAL DESIGN**

Revision	01
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Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	6.33	6.40	N 89° 00' 30.38"E	(200746.00, 3823778.23)	(200746.32, 3823780.42)
C2	4.88	6.42	N 89° 10' 39.54"E	(200775.52, 3823778.80)	(200776.70, 3823779.81)
C3	93.85	20.14	S 88° 57' 54.59"E	(201878.36, 3823845.85)	(201896.41, 3823844.44)
C4	3.68	4.52	N 87° 55' 07.50"E	(201890.17, 3823842.83)	(201904.54, 3823843.37)
C5	11.43	9.81	N 87° 20' 09.88"E	(201876.44, 3823874.10)	(201883.87, 3823880.11)



NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL PROJECT

Drawing Title:

Plan & Profile

Drawn by:
Ghulam Sahib Sarob
Signature:
Checked by:
Ghulam Sahib Sarob
Signature:
Reviewed by:
Habibullah Shalaby
Signature:

Date:
7/23/2023

Scale:
1:500

Status:
FINAL DESIGN

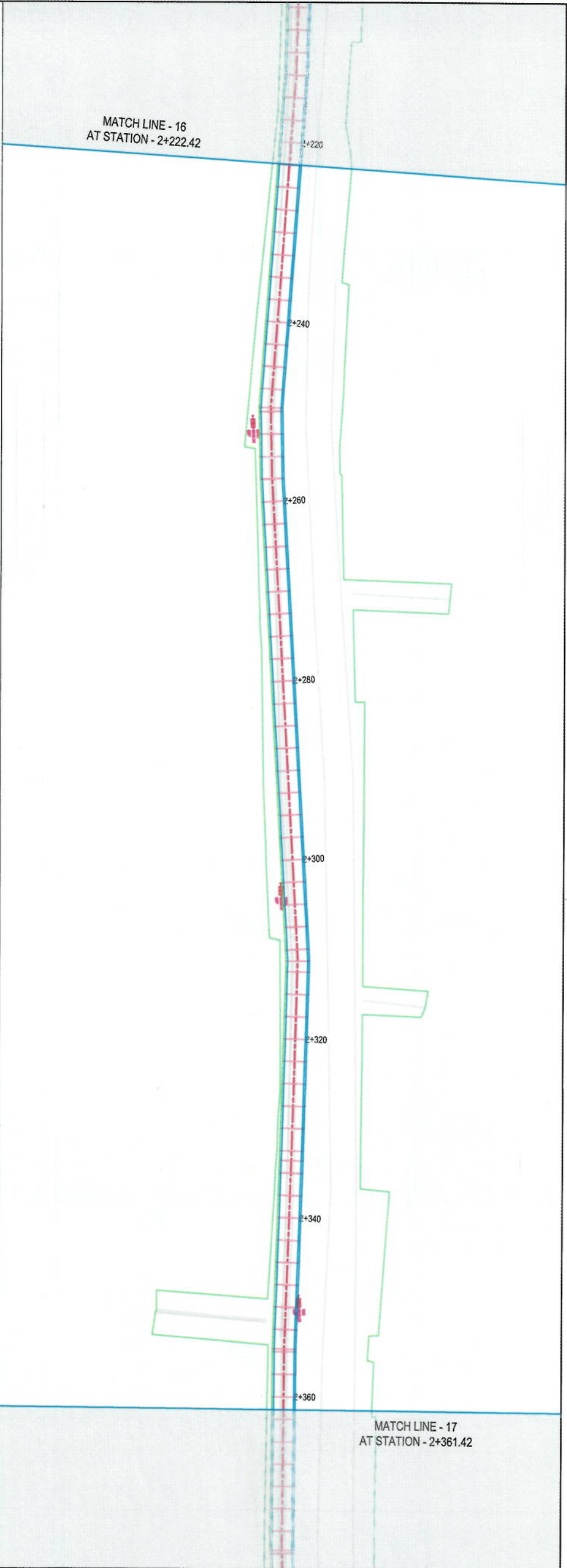
Project Code

SHEET NO.

LT2C-PLPR

Revision

01



NOTE:
1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: 7/23/2023

Scale: 1:500

Status: FINAL
DESIGN

Project Code

SHEET NO.

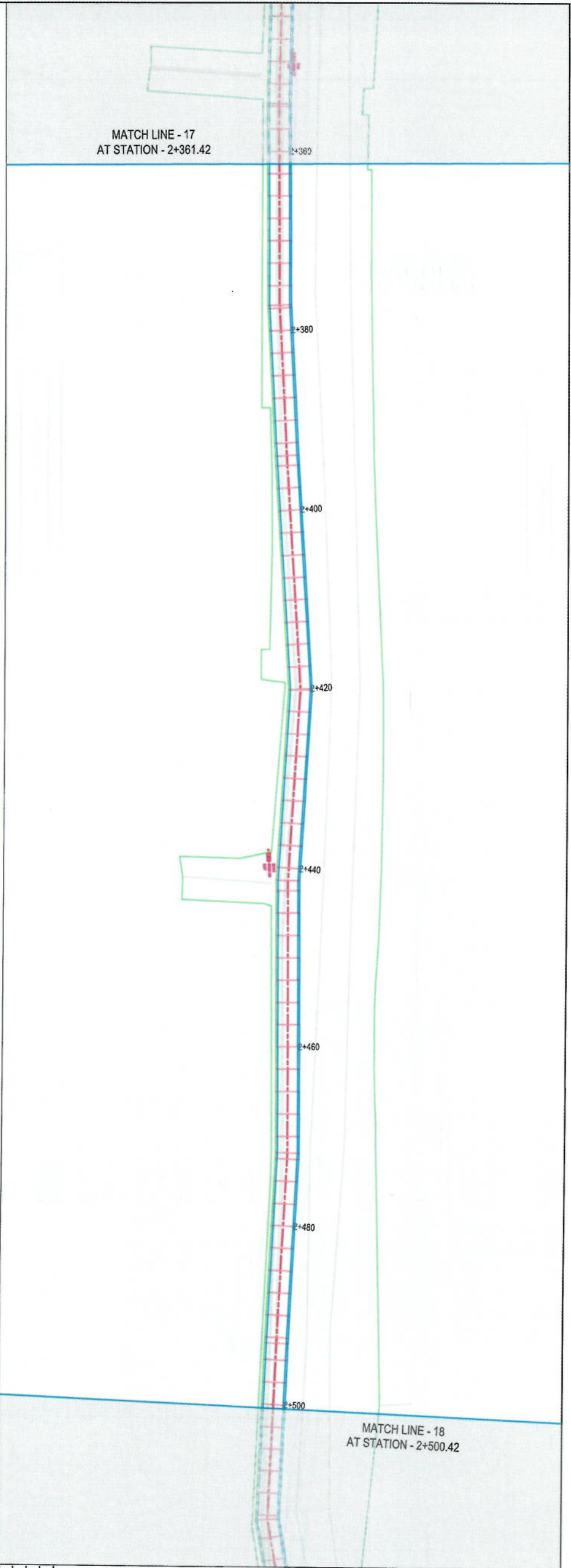
LT2C-PLPR

Revision

01

STATION	EXISTING ELEVATION	FINISHED ELEVATION
2+224	1786.000	1786.000
2+230	1787.954	1786.052
2+240	1787.407	1786.040
2+250	1787.388	1786.027
2+260	1787.388	1786.015
2+270	1787.391	1786.003
2+280	1788.056	1785.990
2+290	1788.174	1785.978
2+300	1788.169	1785.965
2+310	1788.168	1785.953
2+320	1787.541	1785.941
2+330	1787.480	1785.928
2+340	1787.359	1785.916
2+350	1787.552	1785.903
2+360	1787.330	1785.891
2+360	1787.327	1785.887

G=0.12%
L=3524.57



NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Check	Appd.

ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

Plan & Profile

Drawn By:	Signature:
Checked By:	Signature:
Designed By:	Signature:
Reviewed By:	Signature:

Date: 7/23/2023

Scale: 1:500

Status: FINAL
DESIGN

Project Code:

SHEET NO.

L72C-PLPR

Revision

01

MATCH LINE - 18
AT STATION - 2+500.42

MATCH LINE - 19
STATION - 2+639.29

Curve Table: Alignments				
Curve #	Radius Length	Chord Distance	Start Point	End Point
C15	8.25	3.31	N28° 14' 01.38"E	(322835.22, 3824486.89) (322836.81, 3824486.74)
C16	3.82	4.81	N81° 28' 03.87"E	(322286.06, 3823923.90) (322273.15, 3823926.33)
C17	11.27	7.56	N44° 30' 08.24"E	(321687.08, 3823908.47) (321702.87, 3823914.76)
C18	57.18	11.68	N85° 28' 21.07"E	(321608.61, 3823853.20) (321620.22, 3823858.00)
C19	30.86	10.79	N85° 07' 57.84"E	(321186.92, 3823783.87) (321206.33, 3823785.20)

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1785	1785.715	1785.705
2+500	1785.705	1785.692
2+510	1785.692	1785.680
2+520	1785.680	1785.667
2+530	1785.667	1785.655
2+540	1785.655	1785.643
2+550	1785.643	1785.630
2+560	1785.630	1785.618
2+570	1785.618	1785.605
2+580	1785.605	1785.593
2+590	1785.593	1785.580
2+600	1785.580	1785.568
2+610	1785.568	1785.556
2+620	1785.556	1785.543
2+630	1785.543	1785.542
2+640	1785.542	

G=-0.12%
L=3524.57

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Designed By:

ISLAMIC REPUBLIC OF AFGHANISTAN



Project Name:
MAIDANLOT2 - CANAL PROJECT
Drawing Title:
Plan & Profile

Drawn by:
Ghulam Sahib Soroh
Designed by:
Ghulam Sahib Soroh
Checked by:
Habibullah Shahidi
Reviewed by:

Signature:
Signature:
Signature:

Date:
7/23/2023
Scale:
1:300

Sheet:
FINAL DESIGN
Project Code:

SHEET NO.
L72C-PLPR
Revision
01

LINE - 19
ON - 2+639.29

2+640

2+660

2+680

2+700

2+720

2+740

2+760

2+780

MATCH LINE - 20
AT STATION - 2+778.29

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Check	Appd.

Designed By:

ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL PROJECT
Drawing Title:

Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

Date: 7/23/2023
Scale: 1:500

Status: FINAL DESIGN

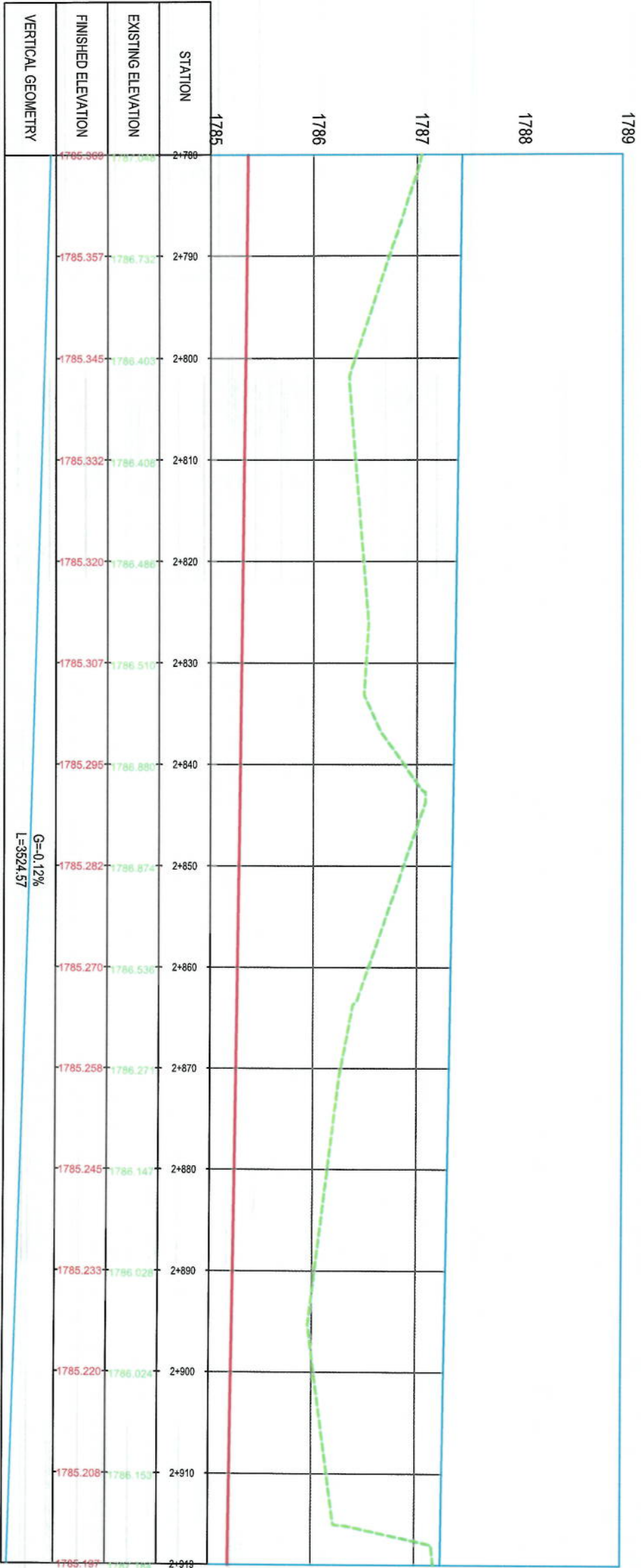
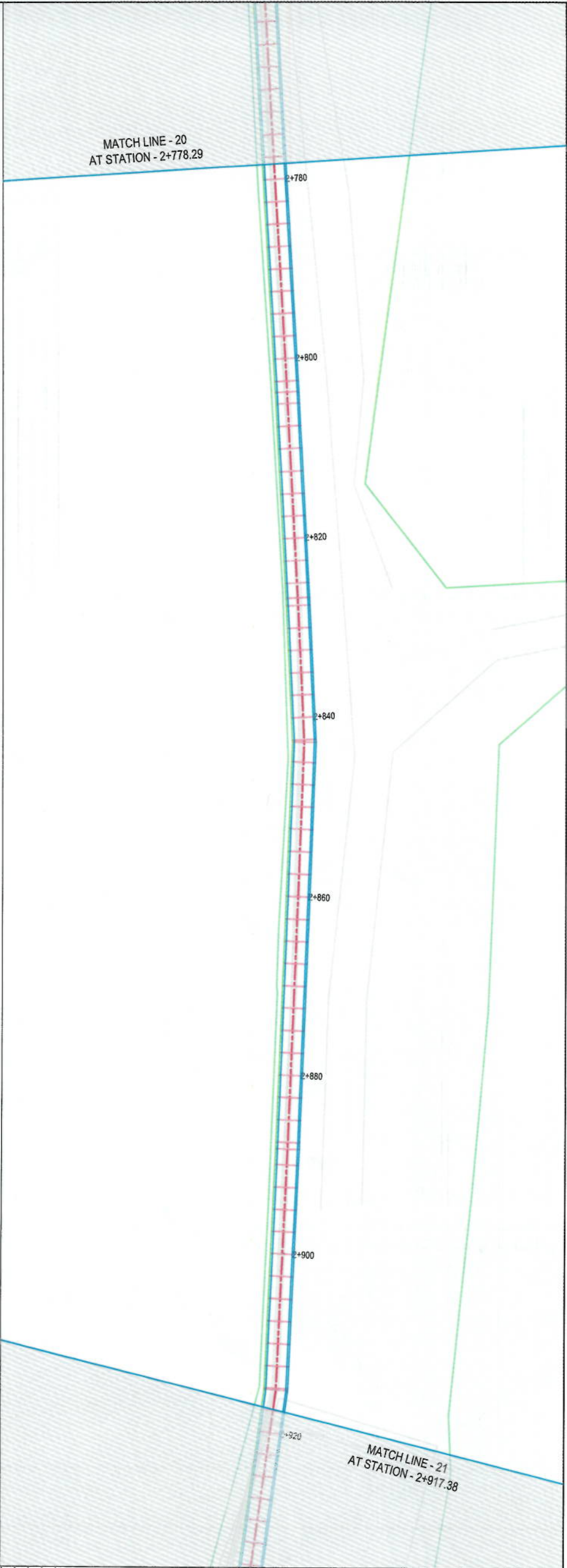
Project Code:

SHEET NO.

L72C-PLPR

01

STATION	EXISTING ELEVATION	FINISHED ELEVATION	VERTICAL GEOMETRY
1785	1785.542	1785.531	G=0.12% L=3524.57
2+641	1785.722	1785.677	
2+650	1785.701	1785.656	
2+660	1785.677	1785.634	
2+670	1785.506	1785.481	
2+680	1785.494	1785.469	
2+690	1785.481	1785.458	
2+700	1785.469	1785.444	
2+710	1785.458	1785.431	
2+720	1785.444	1785.419	
2+730	1785.431	1785.407	
2+740	1785.419	1785.394	
2+750	1785.407	1785.382	
2+760	1785.394	1785.369	
2+770	1785.382	1785.369	
2+780	1785.369	1785.369	



Rev.				Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

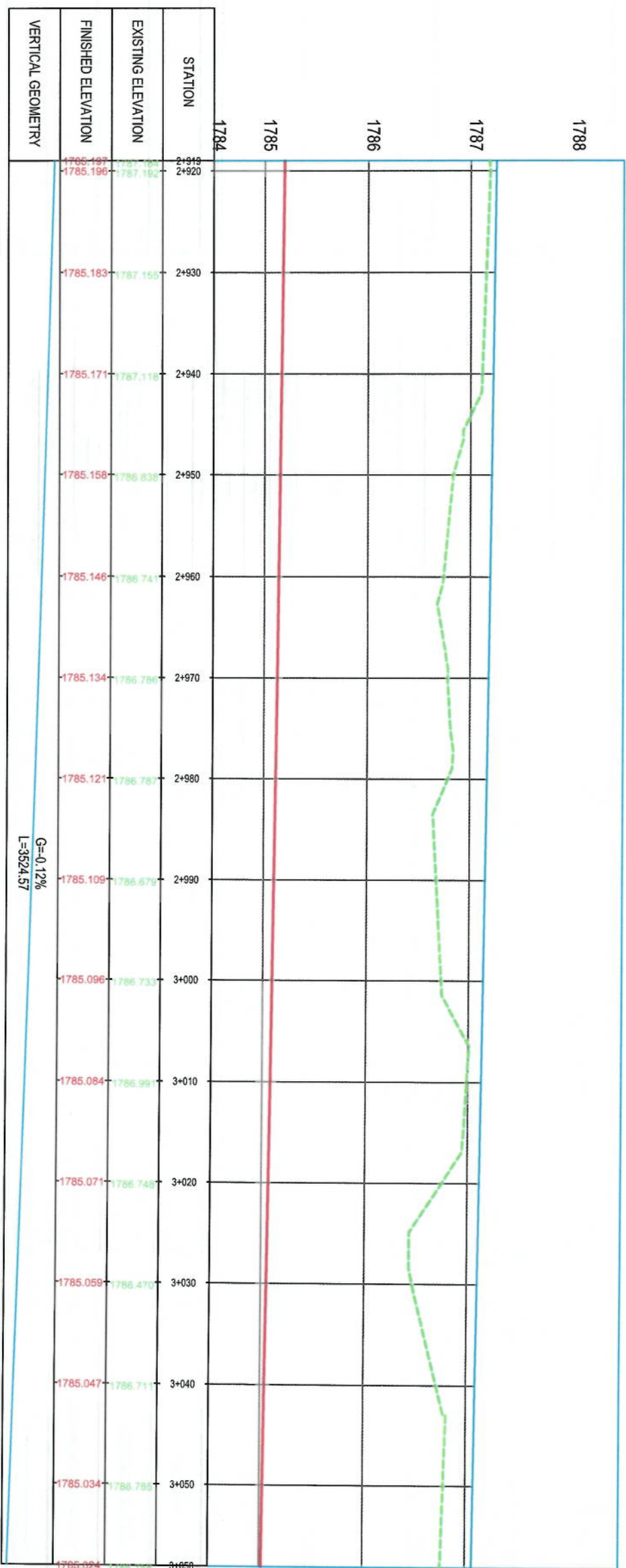
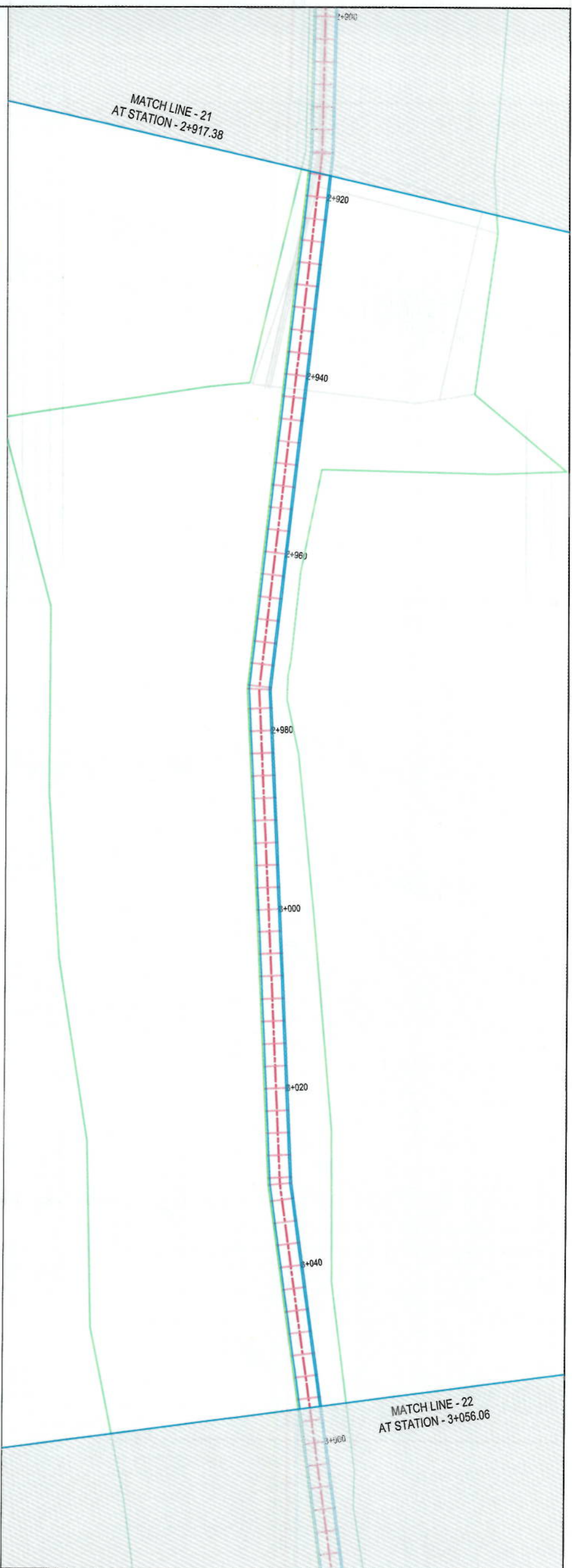
Project Name: MAIDAN LOT2 - CANAL PROJECT
Drawing Title: Plan & Profile

Drawn by: Guliam Sahin Sorob
Designed by: Guliam Sahin Sorob
Checked by: Habibullah Shaliev
Reviewed by: Signature:

Date: 7/23/2023
Scale: 1:500

State: FINAL DESIGN
Project Code:

SHEET NO. L73C-PLPR
Revision 01



NOTE:
1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Checked	Appr.

Designed By:

ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT
Drawing Title:

Plan & Profile

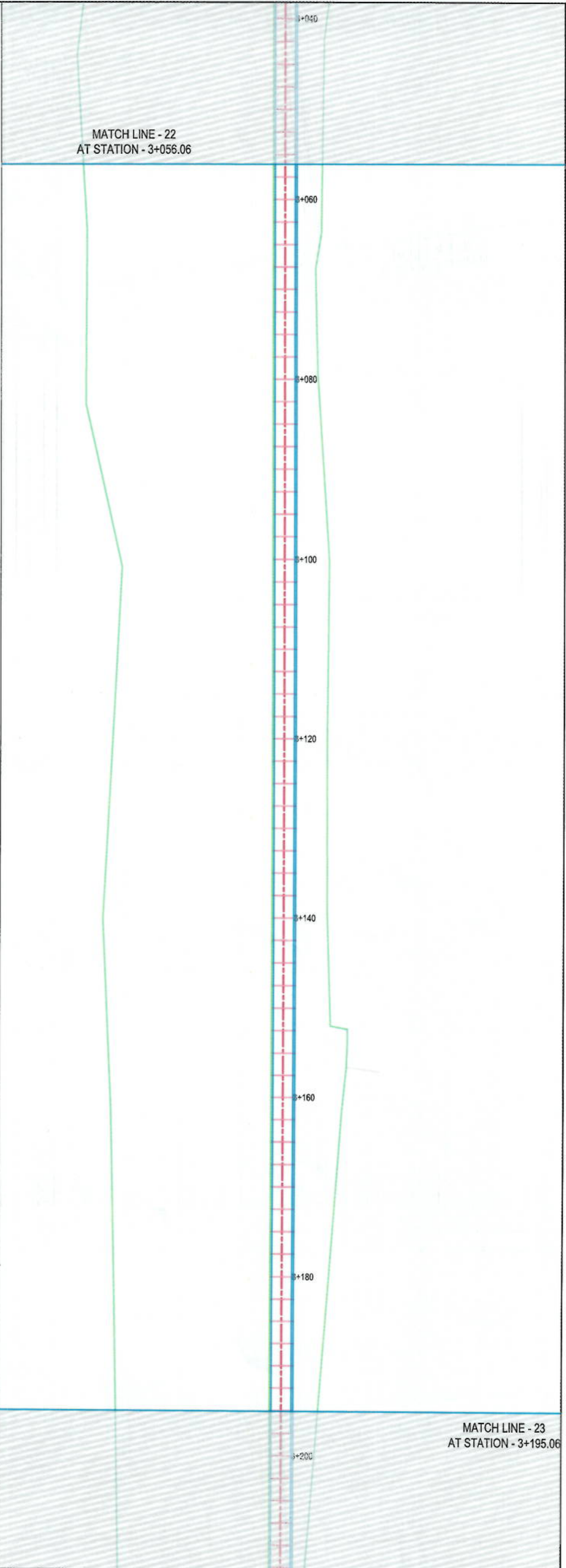
Drawn by :
Ghulam Sakhi Surooh
Signature:
Designed by:
Ghulam Sakhi Surooh
Signature:
Checked by:
Habibullah Shahidi
Signature:
Reviewed by:
Signature:

Date:
7/23/2023
Scale:
1:500

Status:
FINAL
DESIGN

Project Code

SHEET NO.
L72C-PL-PR
Revision
01



MATCH LINE - 22
AT STATION - 3+056.06

MATCH LINE - 23
AT STATION - 3+195.06

STATION	EXISTING ELEVATION	FINISHED ELEVATION	VERTICAL GEOMETRY
1784	1785.024	1785.022	G=0.12% L=3524.57
3+050	1786.753	1786.752	
3+060			
3+070	1787.022	1785.009	
3+080	1786.770	1784.997	
3+090	1786.801	1784.985	
3+100	1786.759	1784.972	
3+110	1786.665	1784.960	
3+120	1786.665	1784.947	
3+130	1786.641	1784.935	
3+140	1786.678	1784.922	
3+150	1786.863	1784.910	
3+160	1786.970	1784.898	
3+170	1786.925	1784.885	
3+180	1786.905	1784.873	
3+190	1786.933	1784.860	
3+197	1786.968	1784.852	

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

DESIGNED BY:
ISLAMIC REPUBLIC OF AFGHANISTAN



Project Name:
MAIDAN LOT2 - CANAL PROJECT

Drawing Title:

Plan & Profile

Drawn by:	Signature:
Designed by:	Signature:
Checked by:	Signature:
Reviewed by:	Signature:

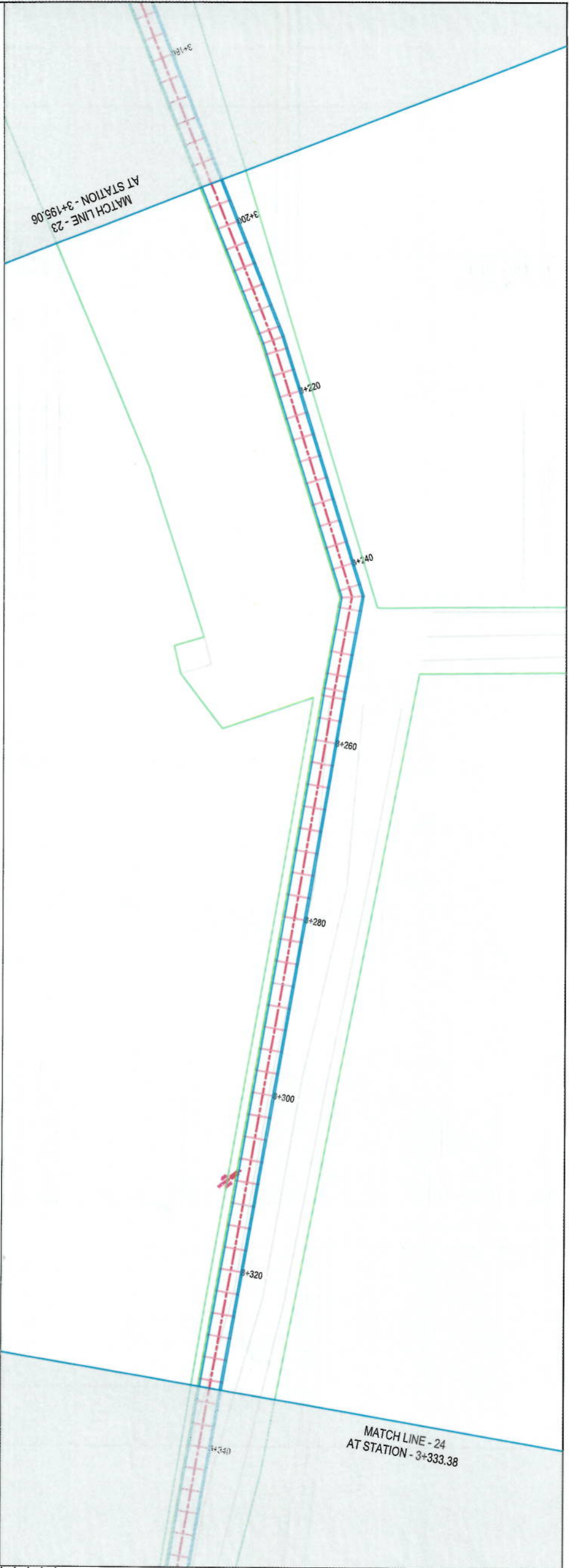
Date:
7/23/2023

Scale:
1:500

Sheet:
FINAL DESIGN

Project Code:

SHEET NO.	Revision
L72C-PLPR	01



STATION	EXISTING ELEVATION	FINISHED ELEVATION
1784	1784.852	1784.848
3+197	1786.985	1786.975
3+200		
3+210	1787.022	1784.836
3+220	1787.075	1784.823
3+230	1787.058	1784.811
3+240	1787.04	1784.798
3+250	1786.915	1784.786
3+260	1786.936	1784.773
3+270	1786.905	1784.761
3+280	1786.901	1784.749
3+290	1786.923	1784.736
3+300	1786.952	1784.724
3+310	1786.942	1784.711
3+320	1786.936	1784.699
3+330	1787.012	1784.687
3+336	1787.053	1784.679

G=-0.12%

L=3524.57



NOTE:
1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Checked	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

Plan & Profile

Drawn by :
Ghulam Sakhi Surooh
Signature:

Designed by:
Ghulam Sakhi Surooh
Signature:

Checked by :
Habibullah Shaiqy
Signature:

Reviewed by:
Signature:

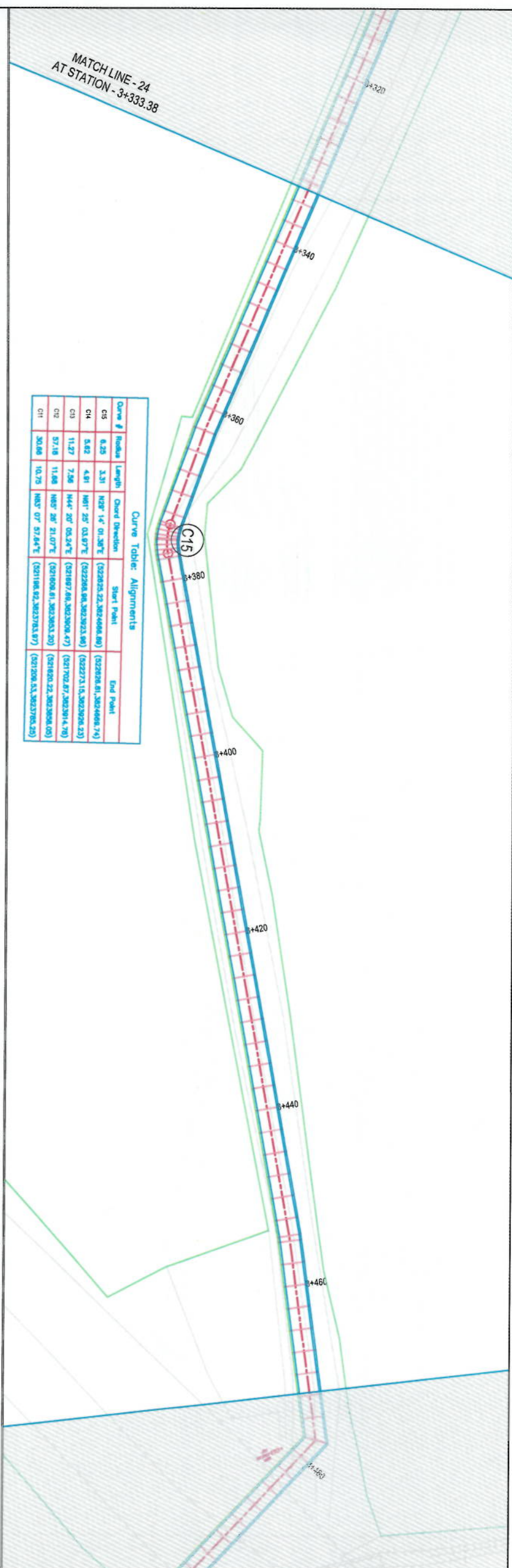
Date: 7/23/2023
Scale: 1:500

Sheet: FINAL
DESIGN

Project Code

SHEET NO. L73C-PLPR

Revision 01



Curve Table: Alignments				
Curve #	Radius	Length	Chord Direction	Start Point
C15	8.25	3.31	N45° 14' 01.38"E	(322803.22, 382468.88)
C14	5.82	4.81	N67° 25' 03.87"E	(322803.81, 382468.74)
C13	11.27	7.56	N44° 20' 00.54"E	(322773.15, 382398.33)
C12	57.18	11.68	N65° 28' 21.07"E	(321887.48, 382380.47)
C11	30.88	10.75	N63° 07' 57.64"E	(321808.81, 382383.20)
				(321702.87, 382381.43)
				(321803.22, 382384.00)
				(321708.53, 382378.20)

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1784	1784.673	1784.674
1784	1784.673	1784.674
1785	1784.662	1784.662
1786	1784.649	1784.649
1787	1784.637	1784.637
1788	1784.624	1784.624
	1784.612	1784.612
	1784.600	1784.600
	1784.587	1784.587
	1784.575	1784.575
	1784.562	1784.562
	1784.550	1784.550
	1784.538	1784.538
	1784.525	1784.525
	1784.513	1784.513
	1784.501	1784.501

G=-0.12%
L=3524.57



NOTE:
1. All dimensions are in metric unless otherwise indicated.

Rev	Date	Revision Details	Drawn	Check	Appr

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Maidan To Kabul River
Drainage Project

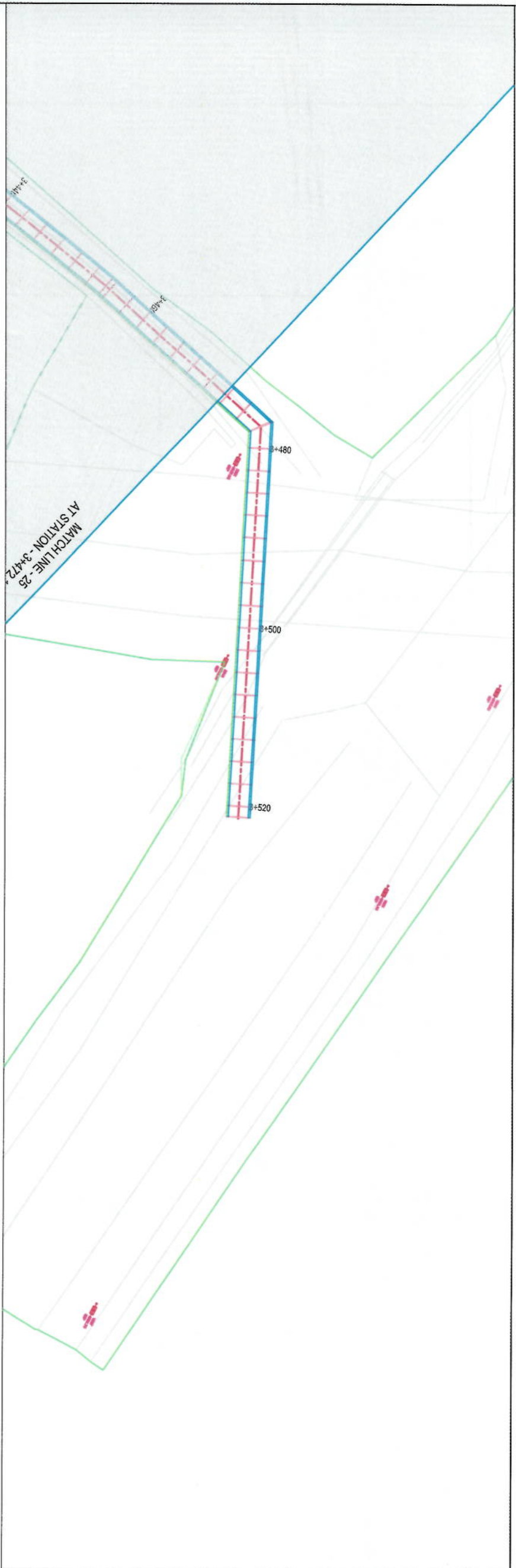
Drawing Title:
Plan & Profile

Drawn by:
Designed by:
Checked by:
Reviewed by:
Signature:
Signature:
Signature:
Signature:

Date: 6/8/2021
Scale: 1:500

Status: FINAL
Project Code: DESIGN

SHEET NO. 14
Revision 01



NOTE:
1. All dimensions are in meters unless otherwise indicated.

ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL PROJECT

Drawing Title:
Plan & Profile

Designed By:
Ghulam Sakib Soroosh

Signature:
Ghulam Sakib Soroosh

Checked by:
Habibullah Shalby

Signature:
Habibullah Shalby

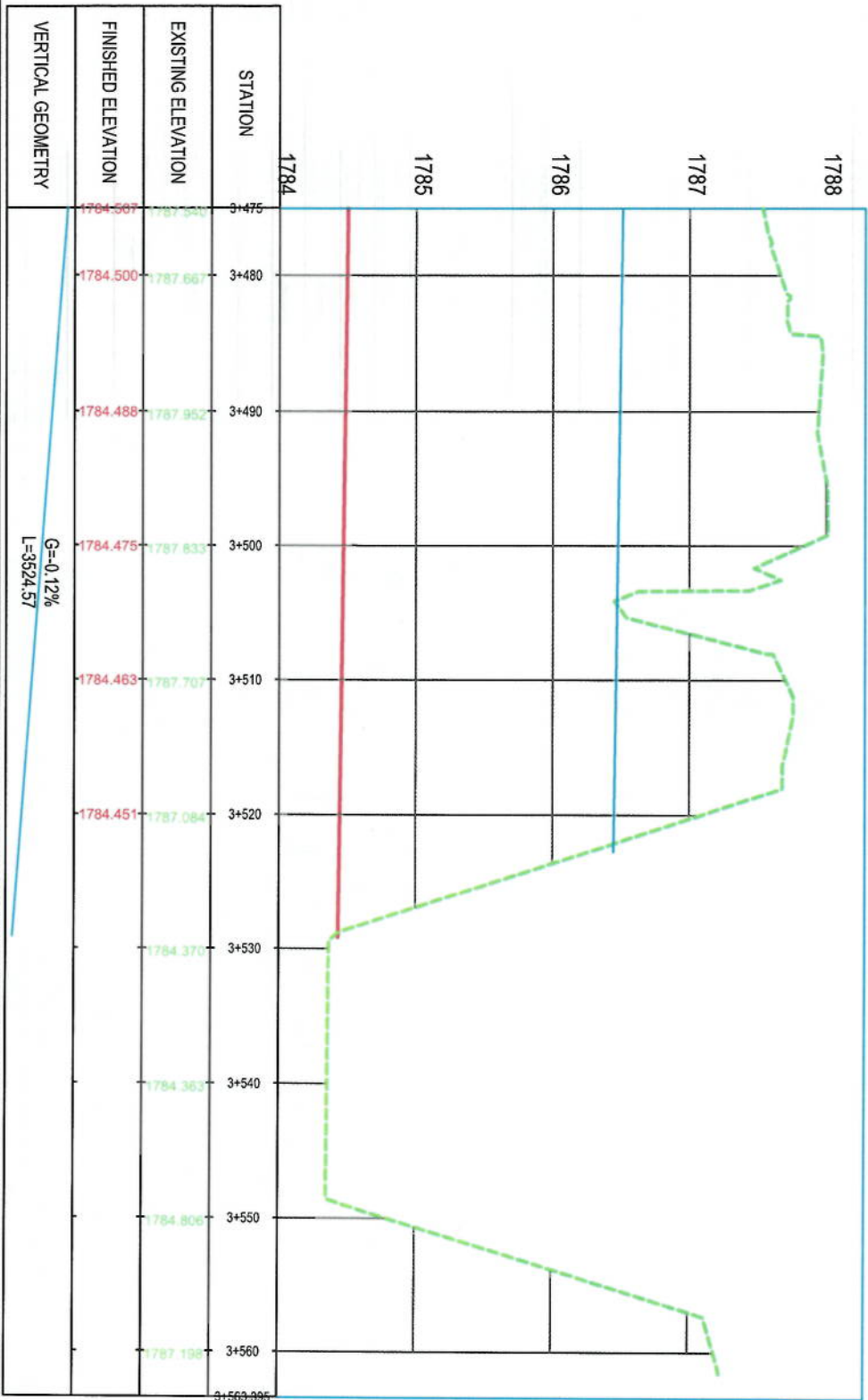
Reviewed by:
Signature:

Date:
7/23/2023

Scale:
1:300

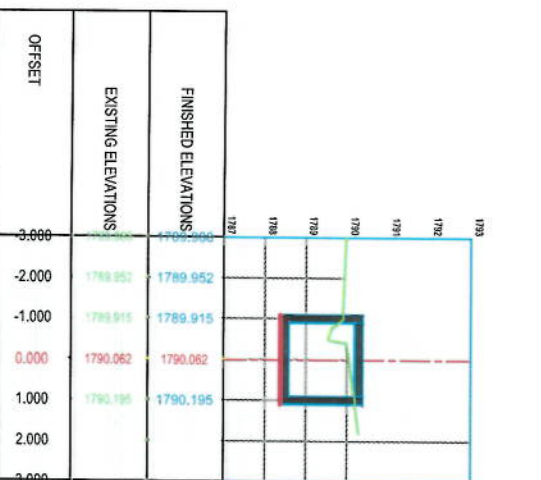
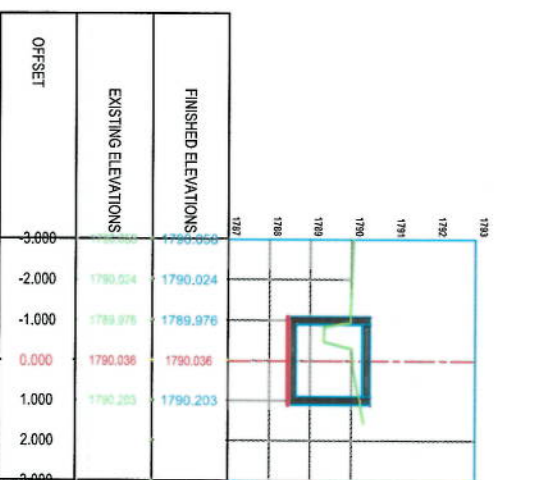
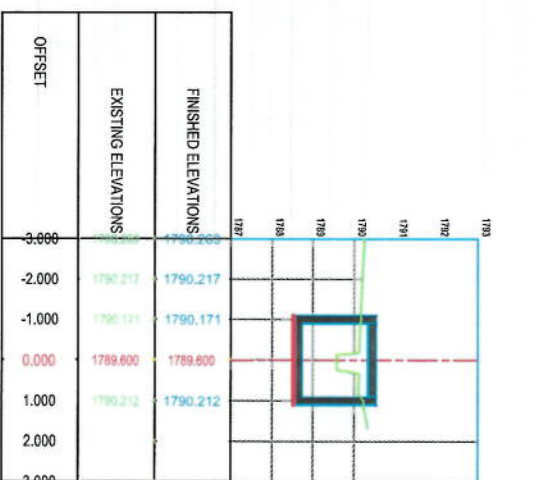
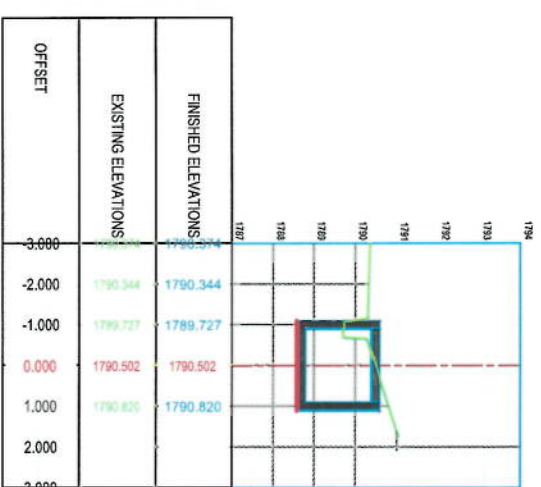
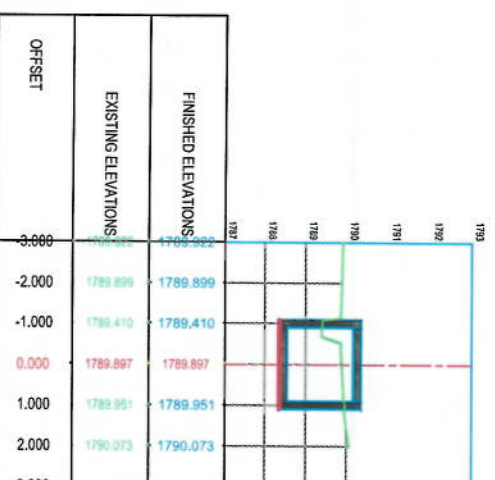
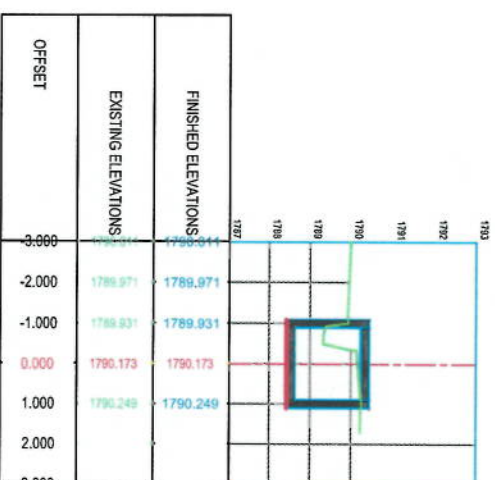
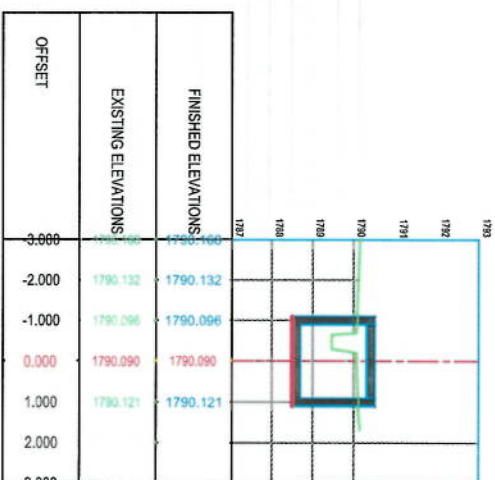
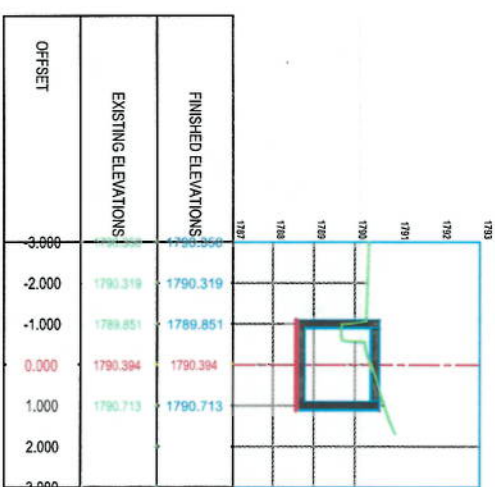
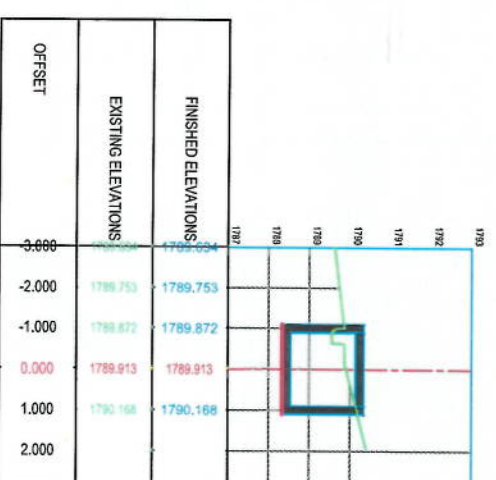
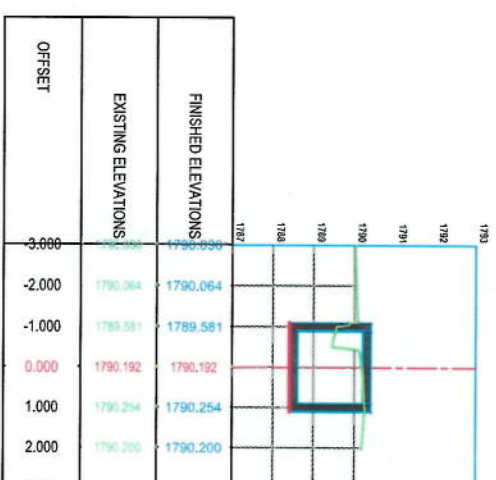
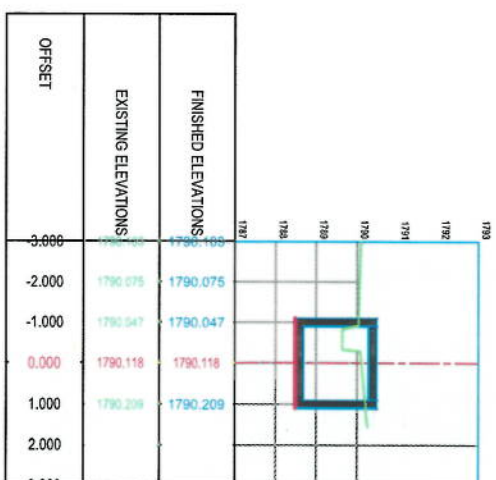
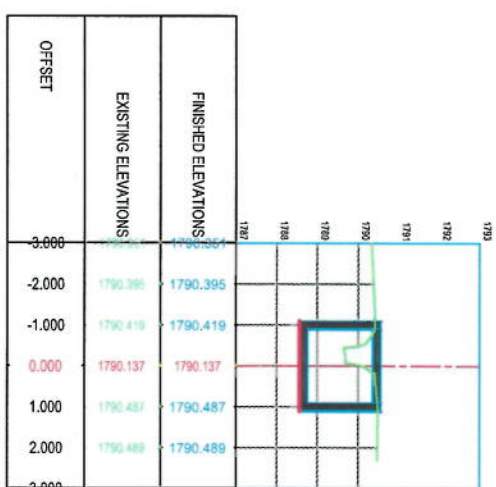
Sheet No:
LT2C-PLPR

Revision:
01



Rev.	Date	Revision Details	Drawn	Chk'd	App'd

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

Designed By:

ISLAMIC REPUBLIC OF
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:
CROSS SECTIONS

Drawn By: *Ghulam Sakhi Surosh*
Designed By: *Ghulam Sakhi Surosh*
Checked By: *Hasibullah Shahzad*
Reviewed By: *Signature*

Date: **7/23/2023**
Scale: **1:200**

Status: **FINAL
DESIGN**

Project Code: **L72C-CS**

SHEET NO. **01**

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

Designed By:

ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL,
PROJECT

Drawing Title:

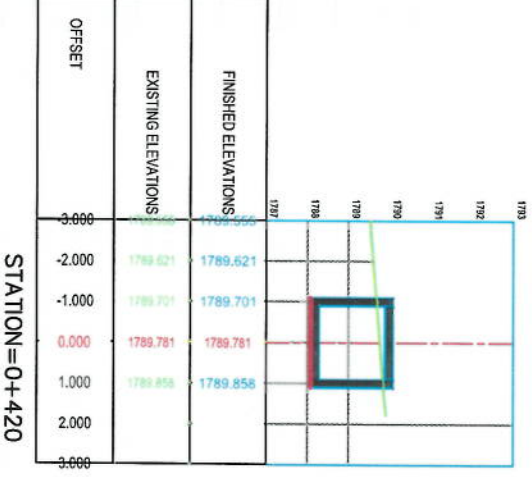
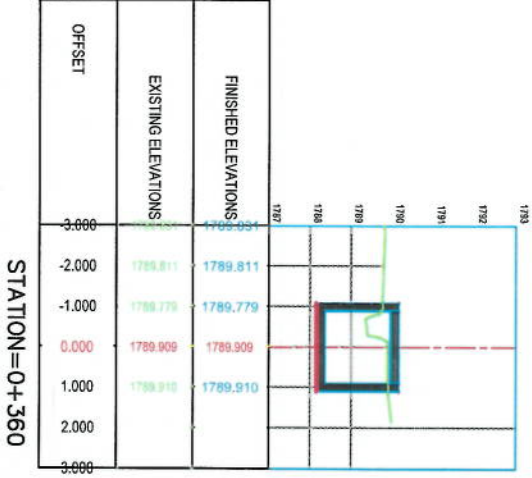
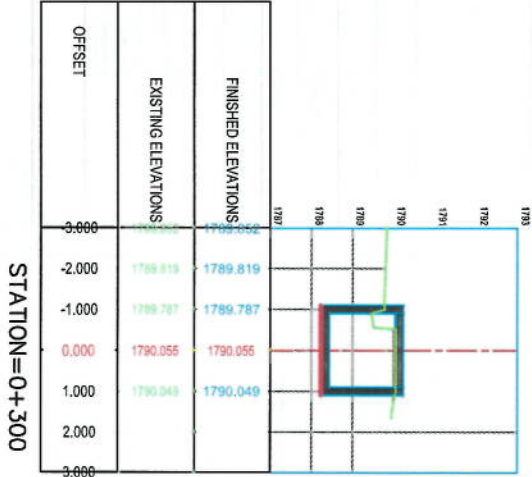
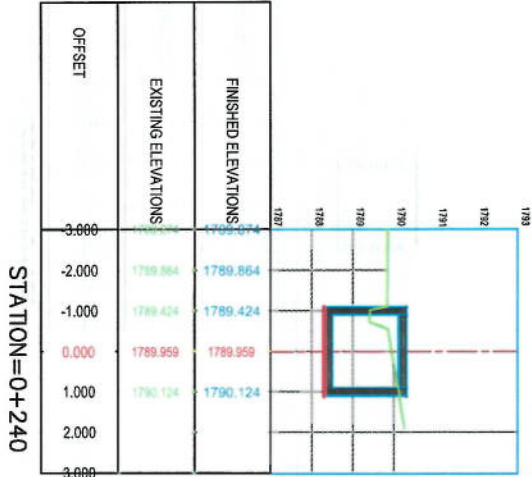
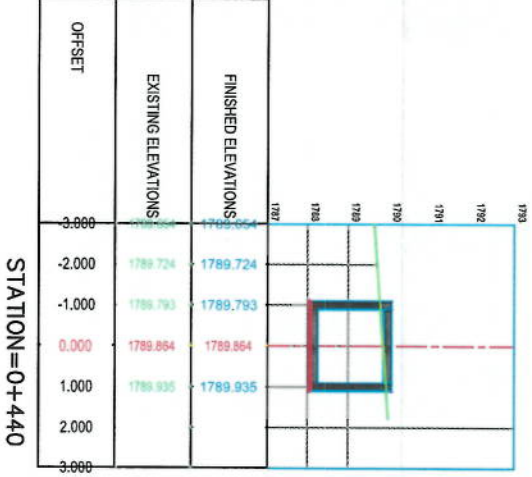
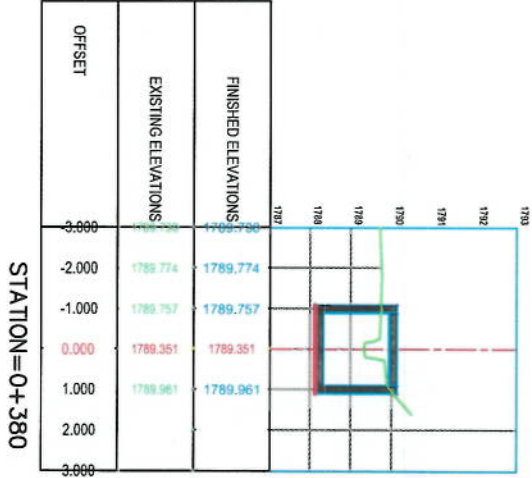
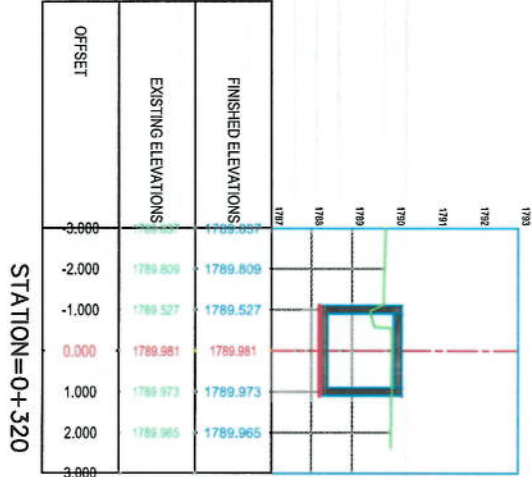
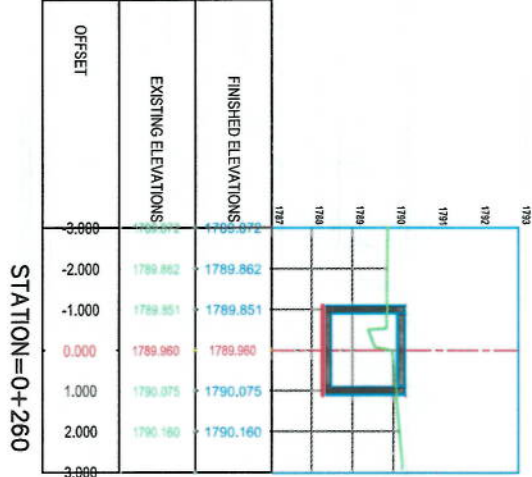
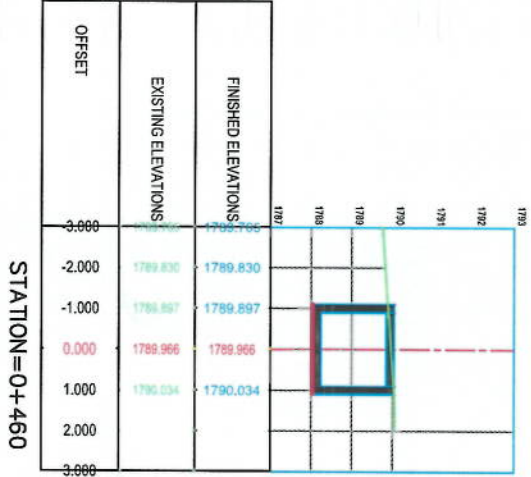
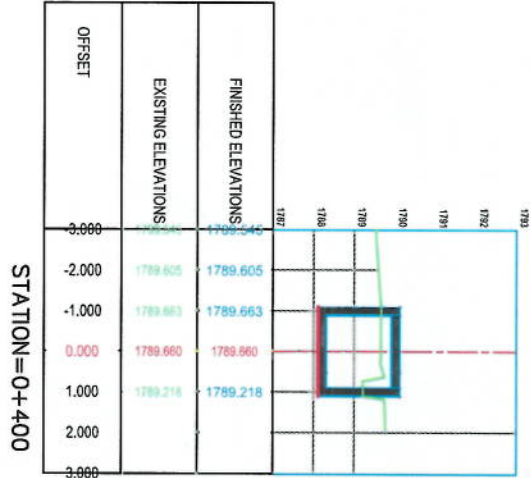
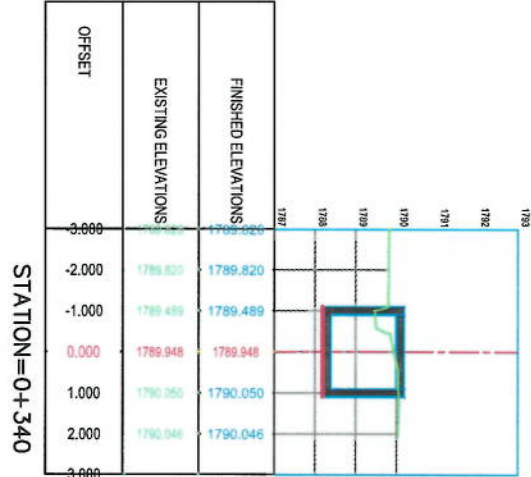
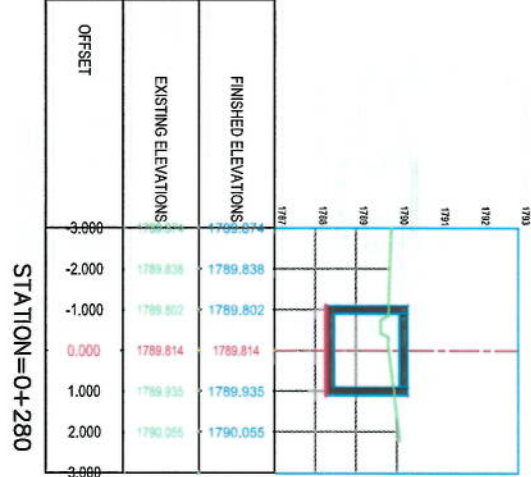
CROSS SECTIONS

Drawn by :
Ghulam Sahib Surooh
Signature:
Designed by:
Ghulam Sahib Surooh
Signature:
Checked by:
Habibullah Shariq
Signature:
Reviewed by:
Signature:

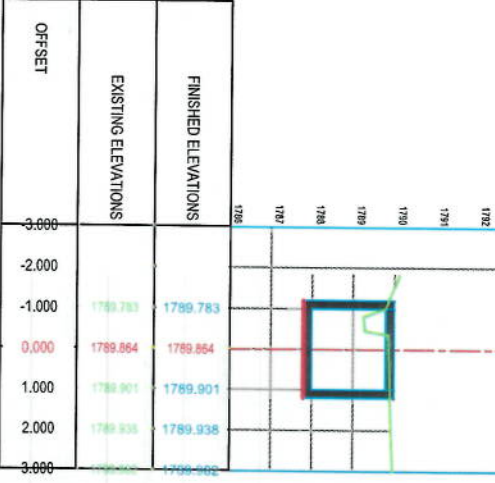
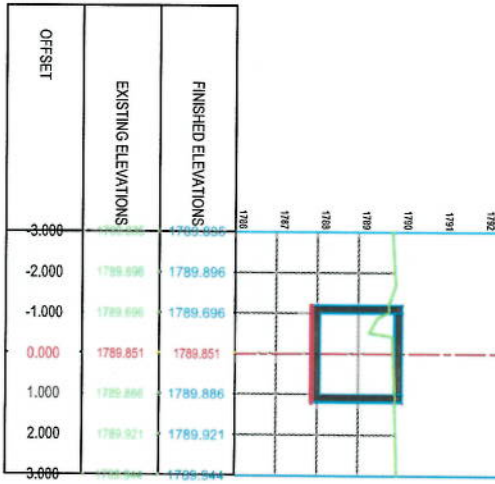
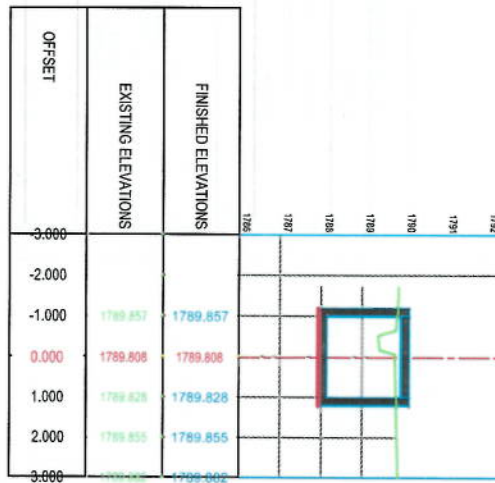
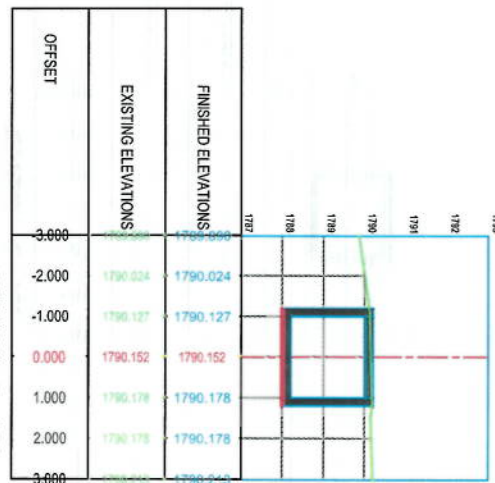
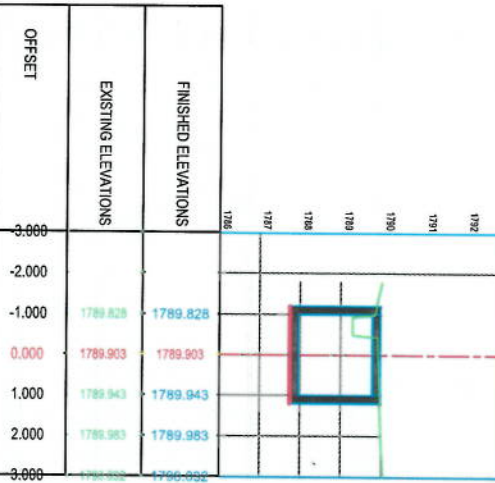
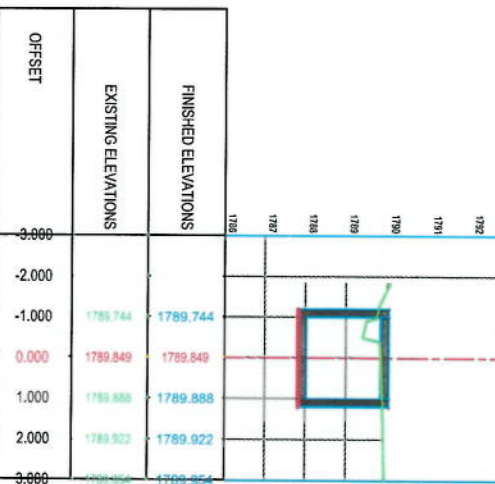
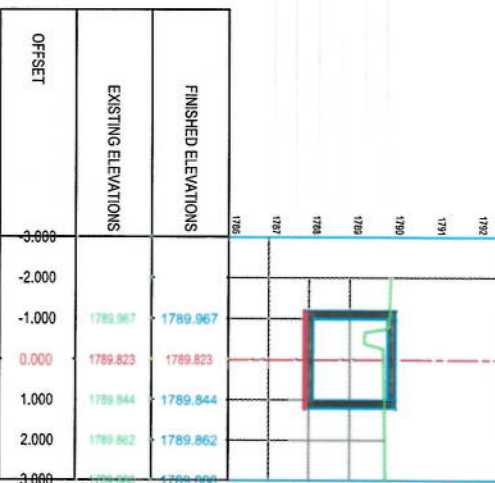
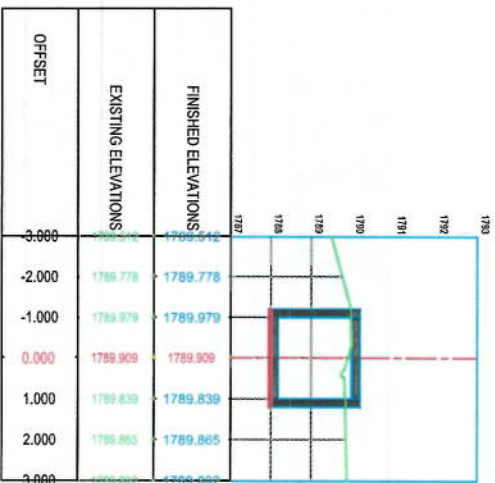
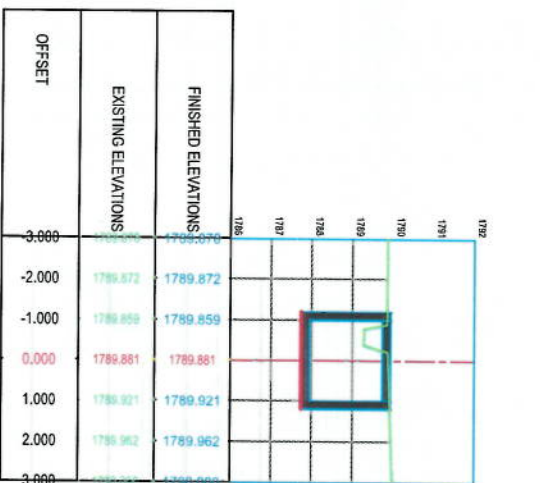
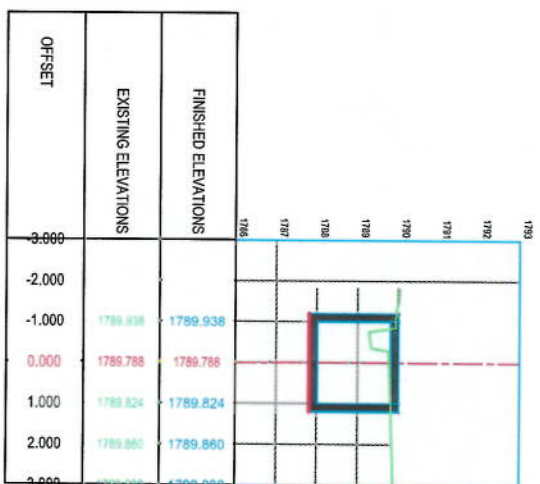
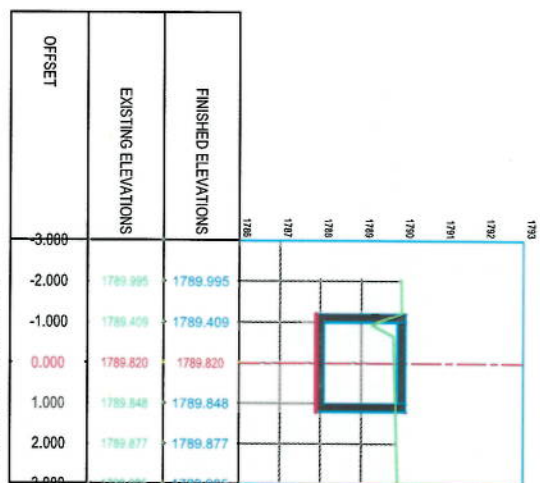
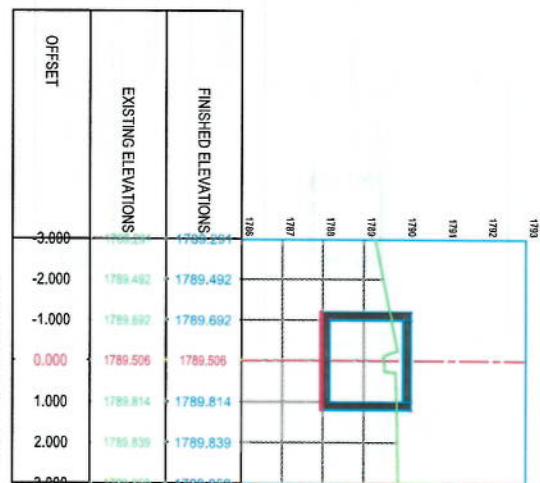
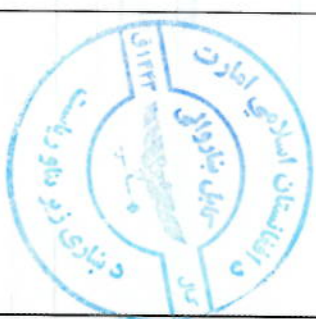
Date:
7/23/2023
Scale:
1:200

Sheet:
FINAL
DESIGN
Project Code

SHEET NO.
LT2C-CS
Revision
01



NOTE:
1. All dimensions are in meters unless otherwise indicated.



Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:
CROSS SECTIONS

Drawn by:
Ghulam Sahib Surosh
Signature:
Checked by:
Ghulam Sahib Surosh
Signature:
Reviewed by:
Habibullah Shaluy
Signature:

Date:
7/23/2023
Scale:
1:200

Sheet:
FINAL
DESIGN

Project Code:

SHEET NO.
L120-CCS
Revision
01



KABUL MUNICIPALITY
DESIGN TEAM

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

DESIGNED BY:

ISLAMIC REPUBLIC OF
AFGHANISTAN



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:
CROSS SECTIONS

Drawn by :
Ghulam Sakhi Sorosh
Signature:

Designed by:
Ghulam Sakhi Sorosh
Signature:

Checked by :
Habibullah Shahidi
Signature:

Reviewed by:

Signature:

Date:
7/23/2023

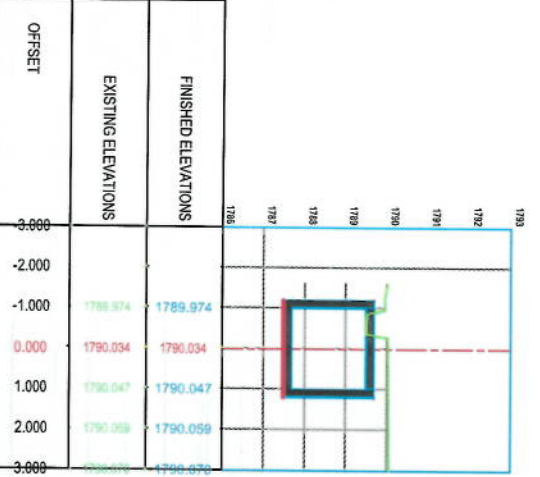
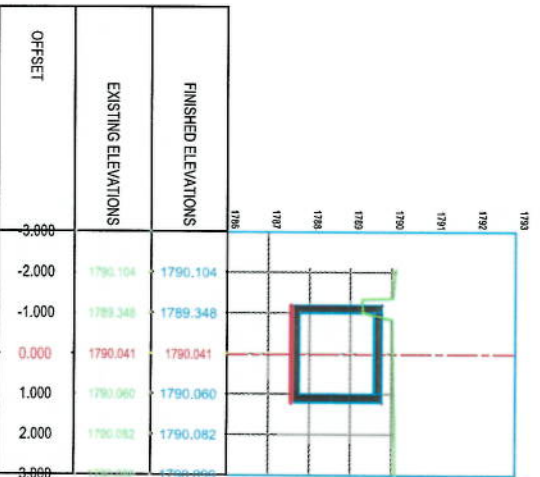
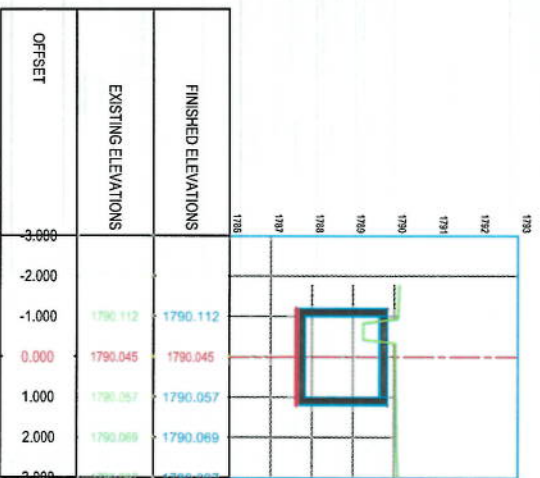
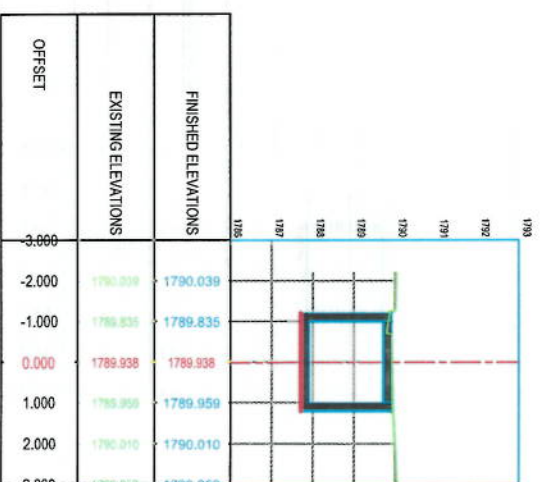
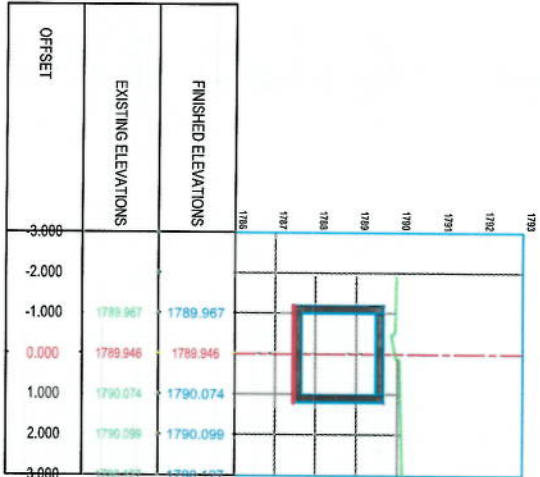
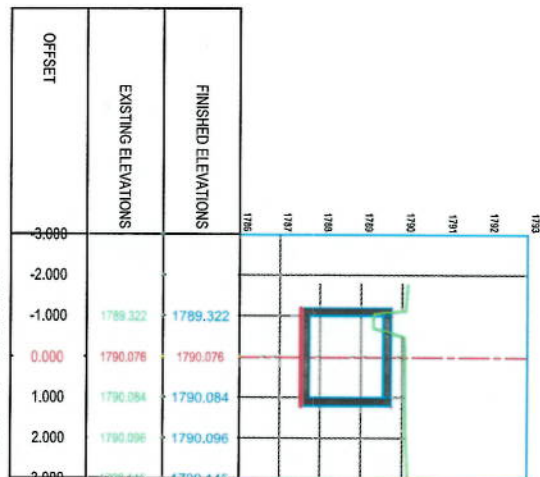
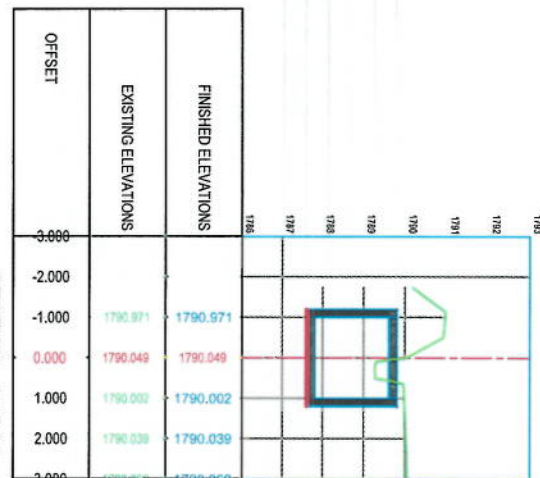
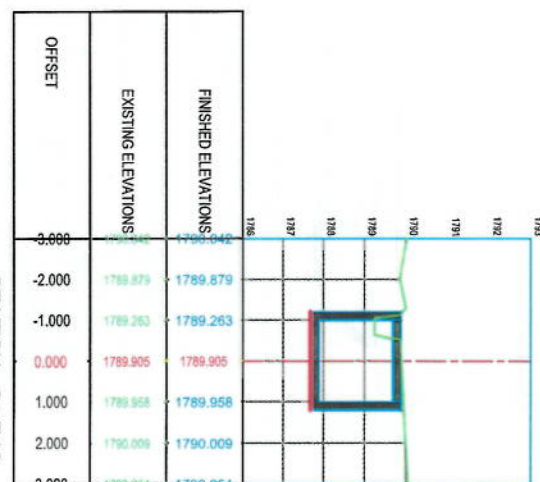
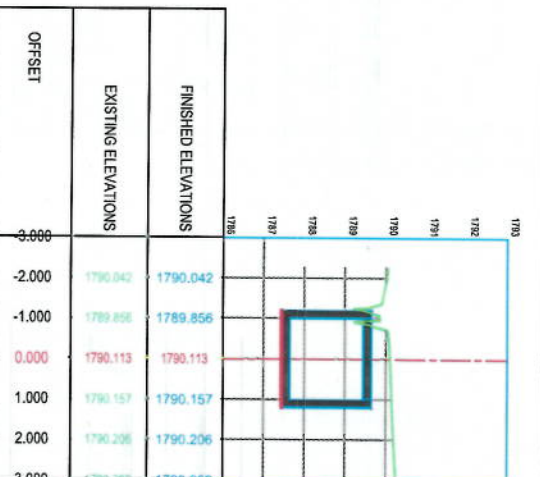
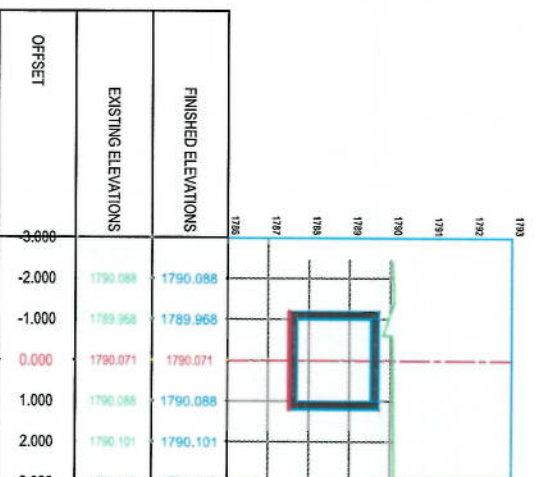
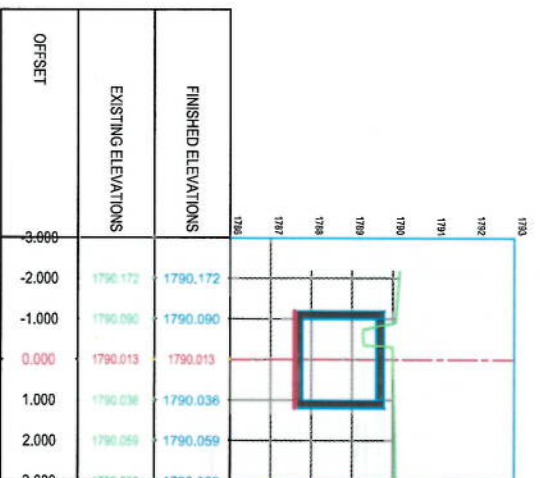
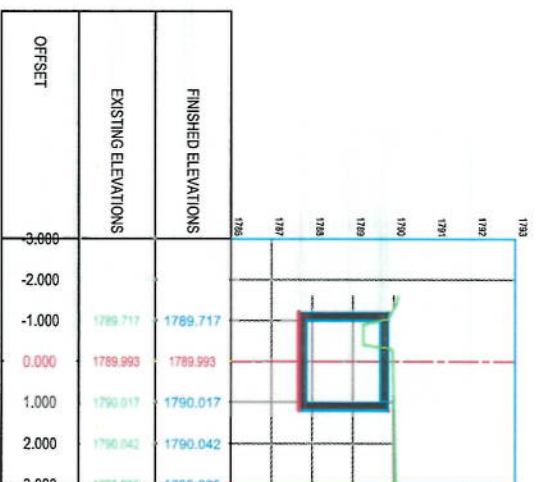
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State:
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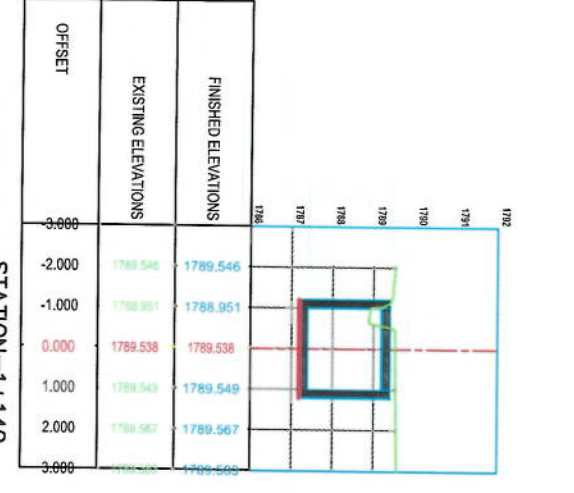
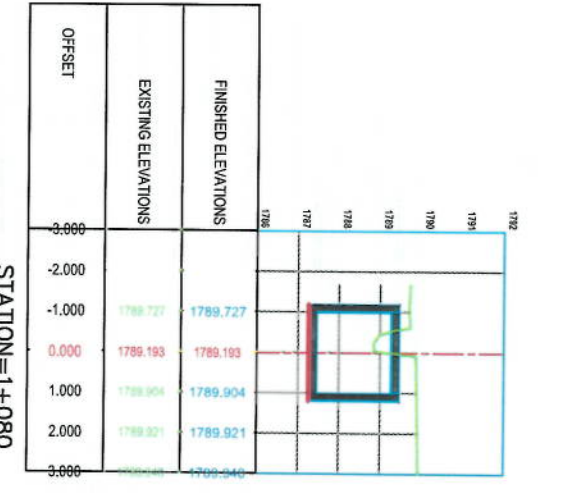
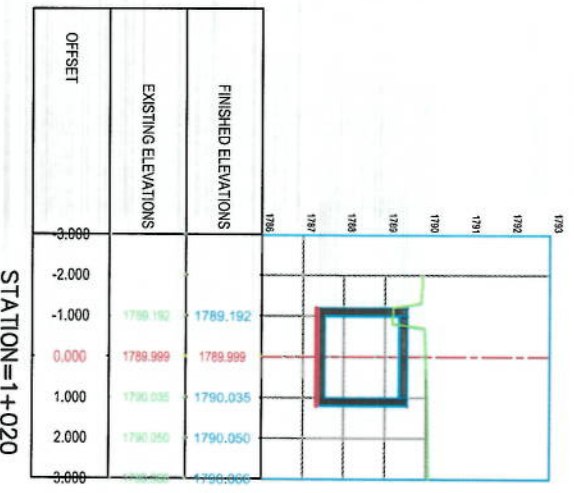
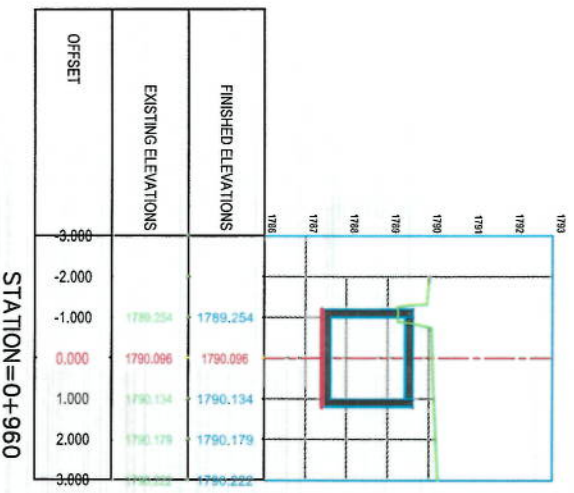
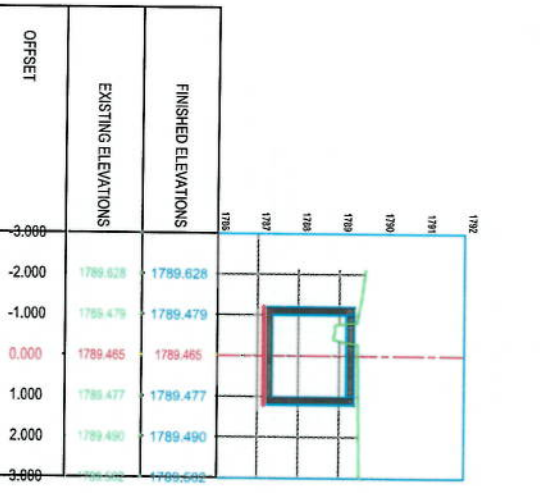
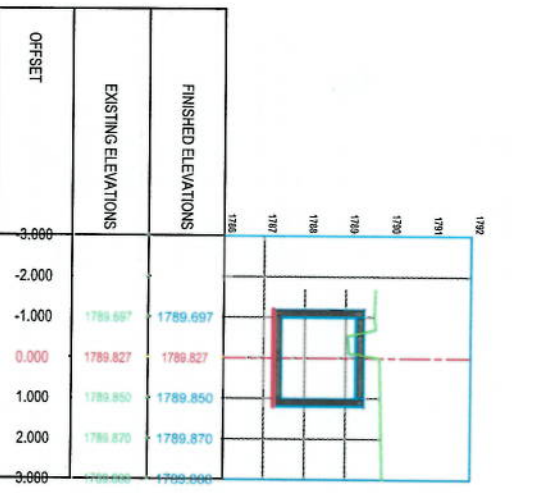
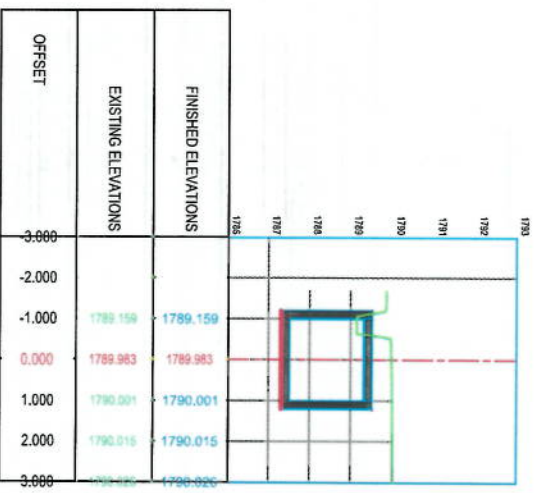
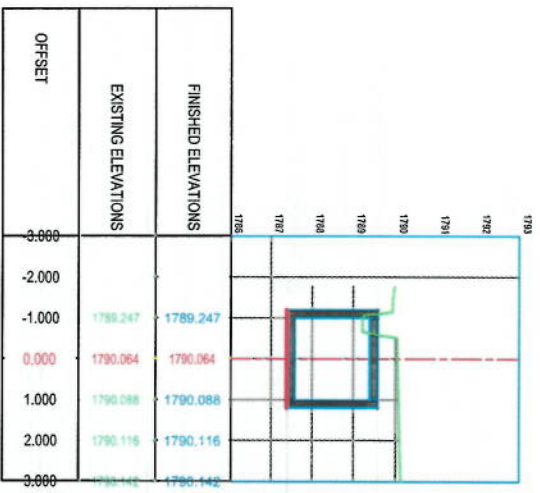
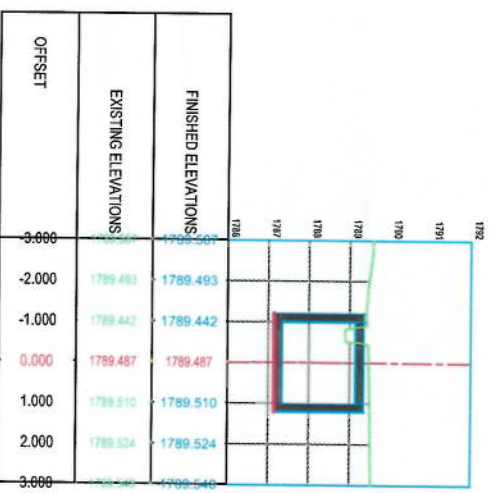
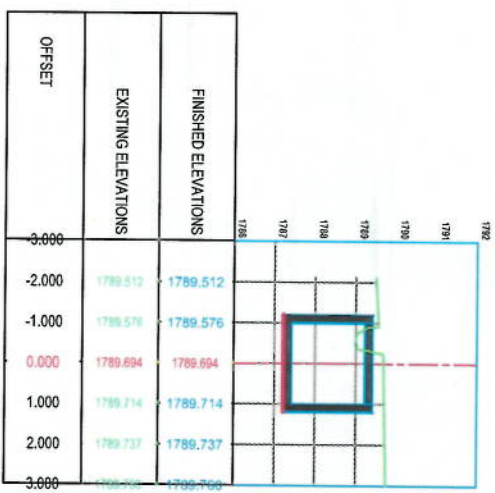
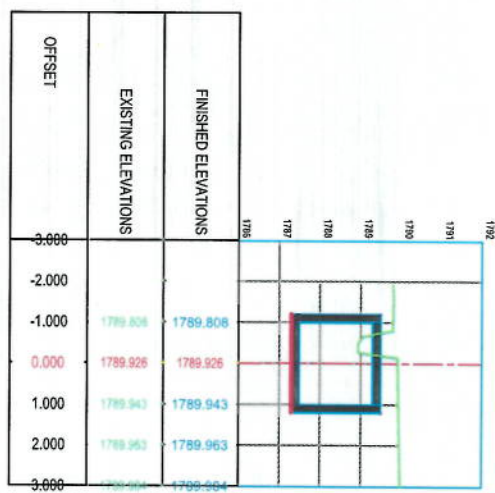
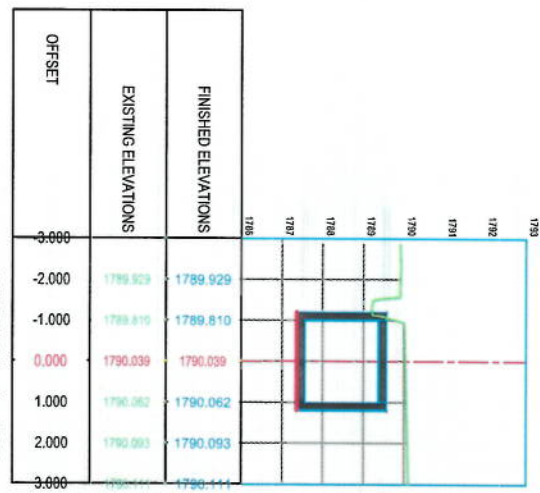
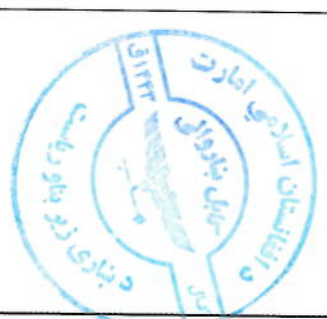
Project Code:
DESIGN

SHEET NO.
L72C-CS

Revision
01



NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:
CROSS SECTIONS

Drawn by: Ghulam Sahib Sonakh
Designed by: Ghulam Sahib Sonakh
Checked by: Ghulam Sahib Sonakh
Reviewed by: Ghulam Sahib Sonakh

Date: 7/23/2023
Scale: 1:200

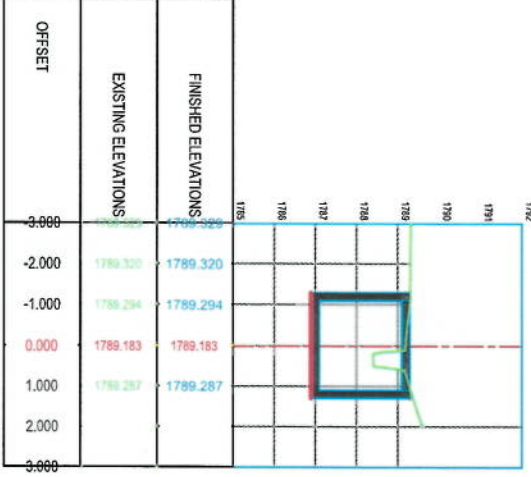
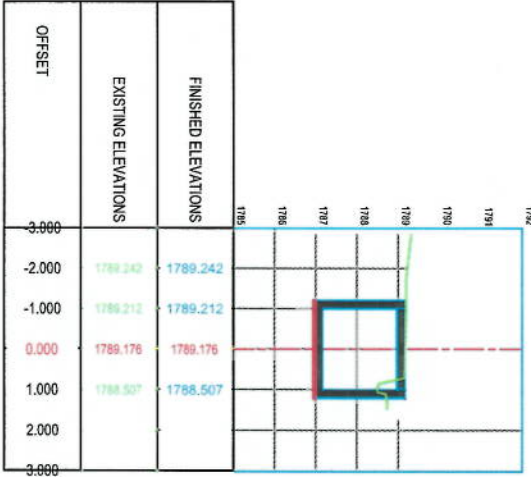
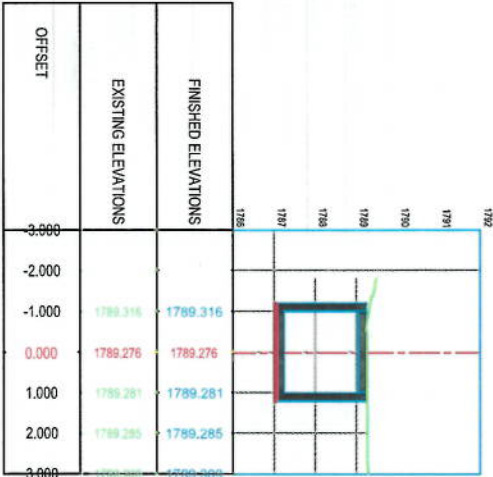
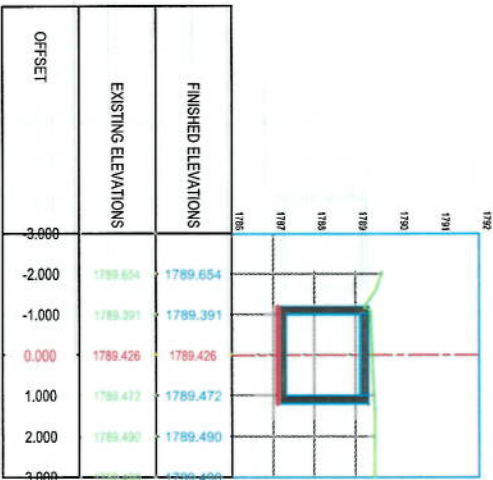
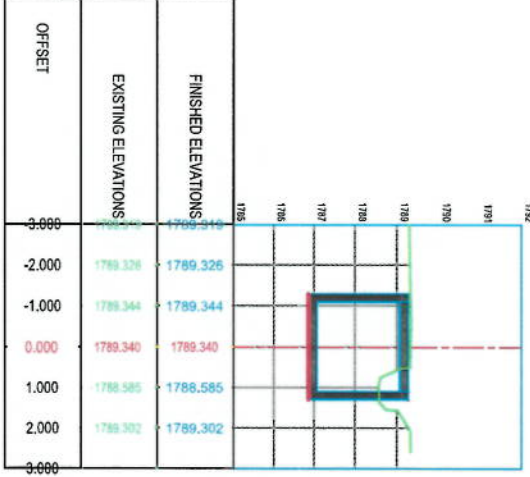
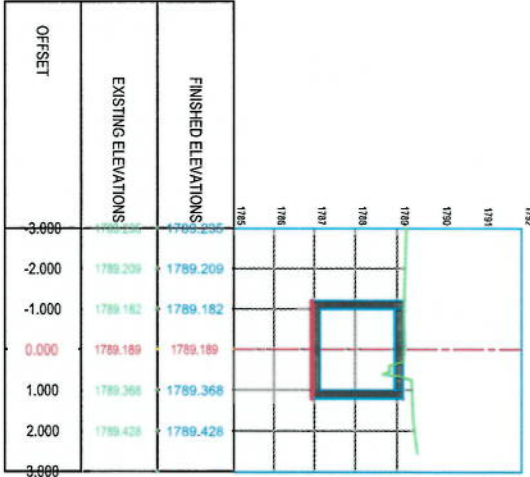
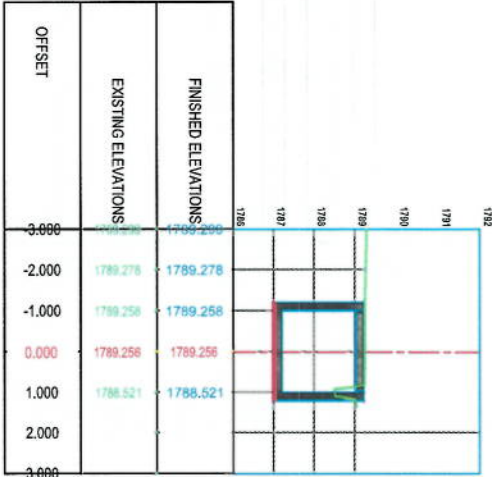
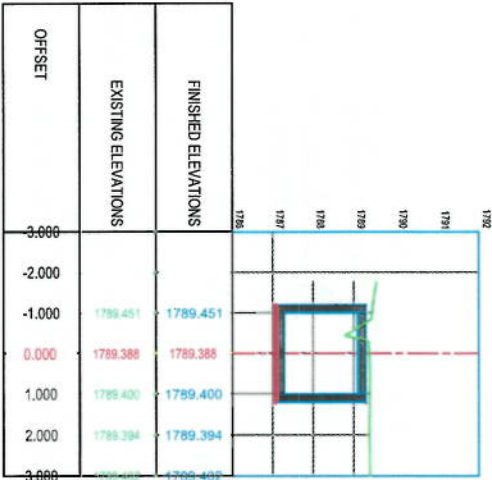
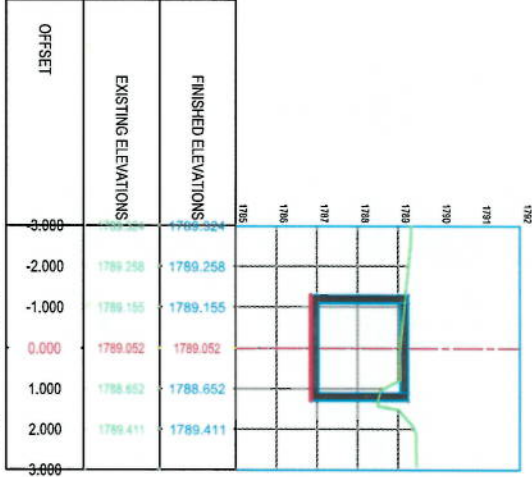
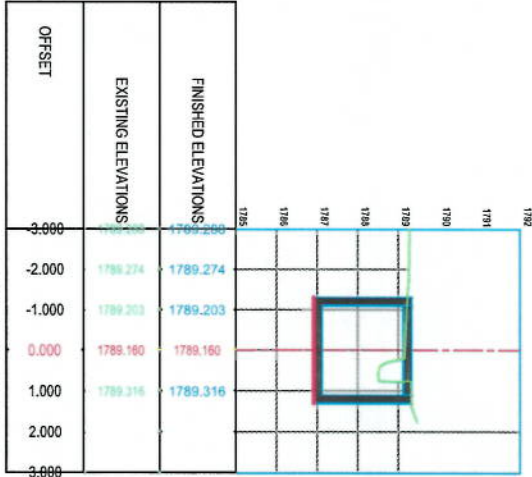
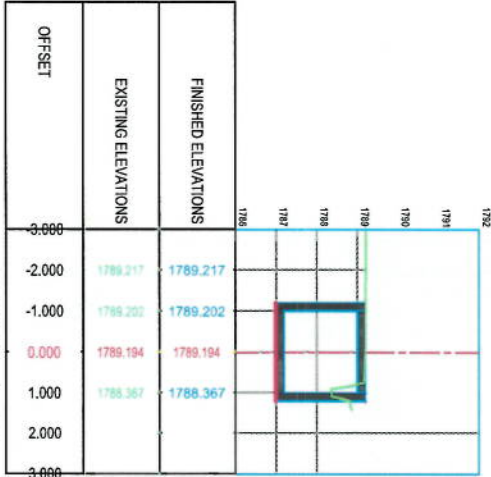
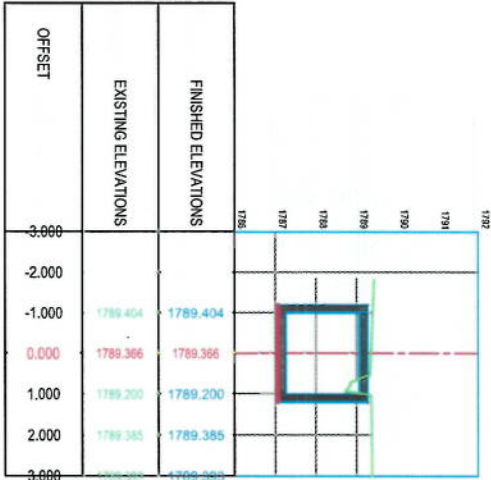
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Project Code: DESIGN

SHEET NO. L172C-CS
Revision: 01



KABUL MUNICIPALITY
DESIGN TEAM

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Appd.

Designed By:
ISLAMIC REPUBLIC OF
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:
CROSS SECTIONS

Drawn by :
Ghulam Sahib Soroosh
Signature:
Checked by :
Ghulam Sahib Soroosh
Signature:
Reviewed by :
Habibullah Shalizi
Signature:

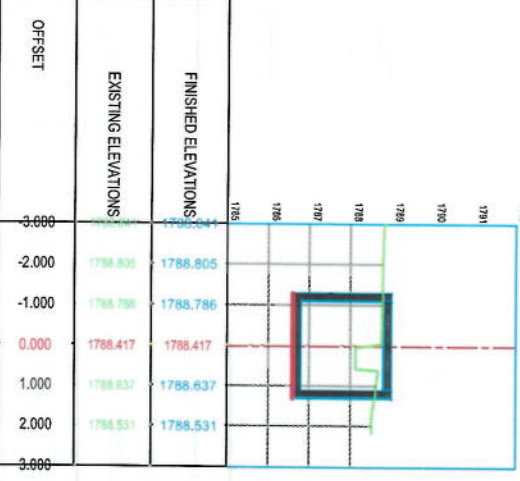
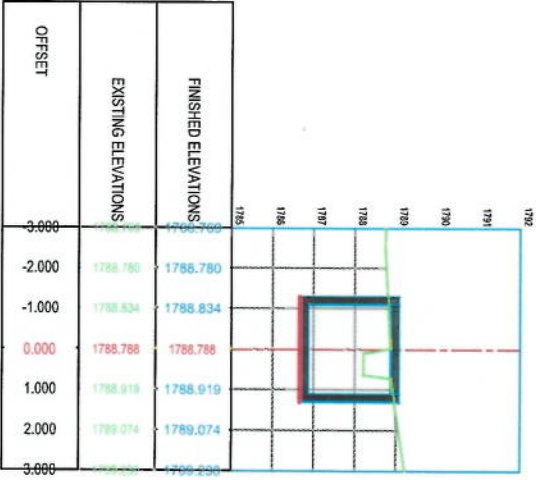
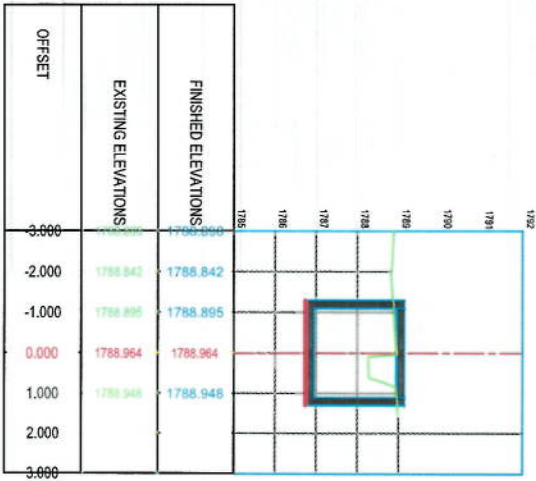
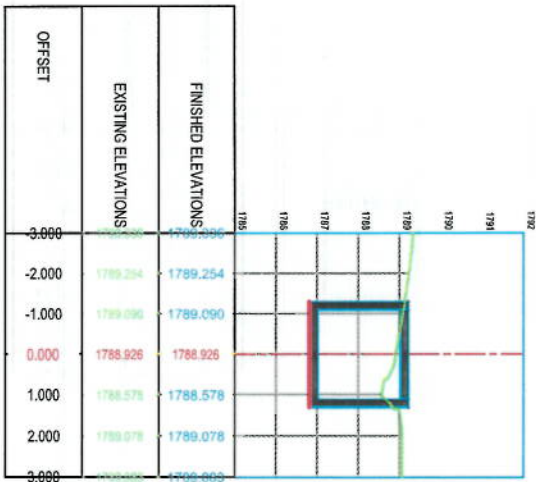
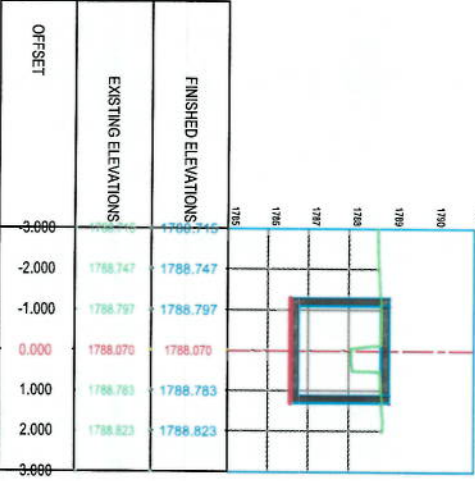
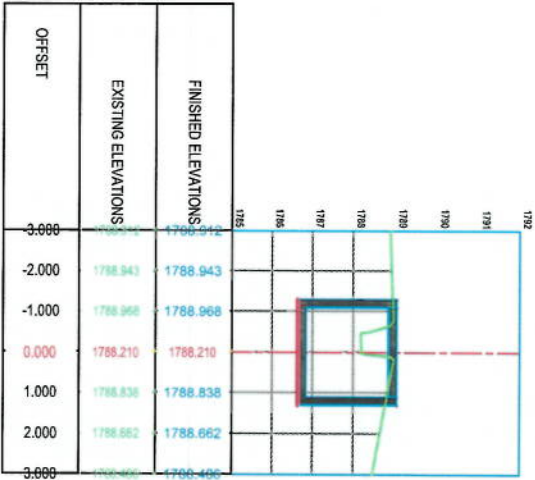
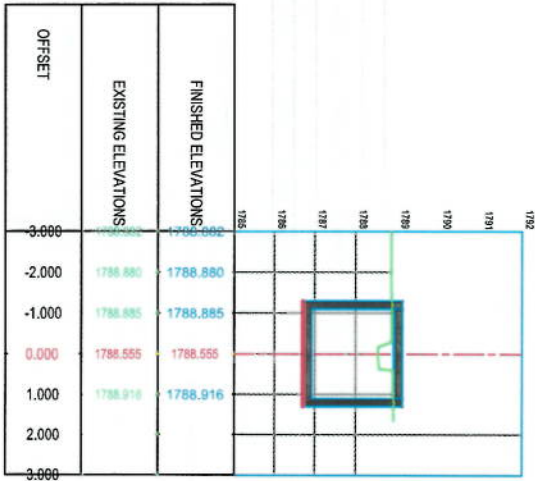
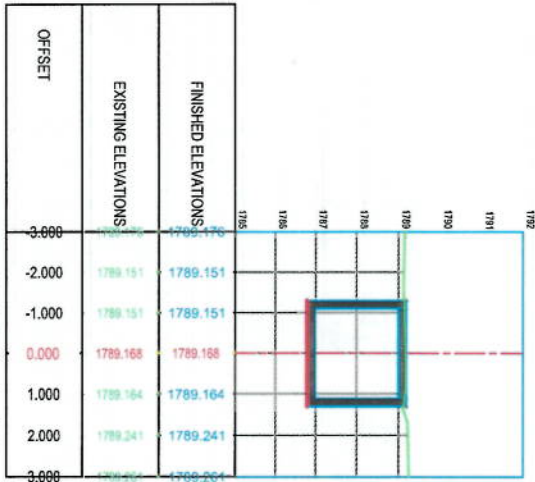
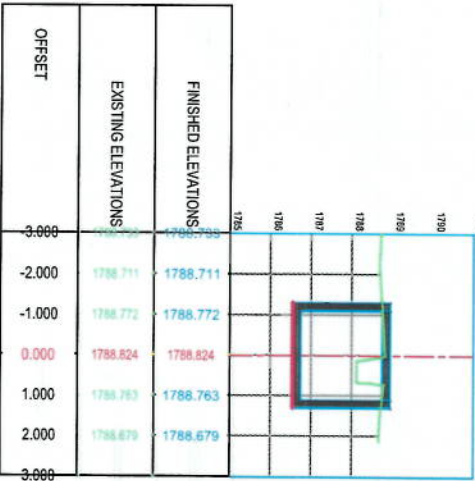
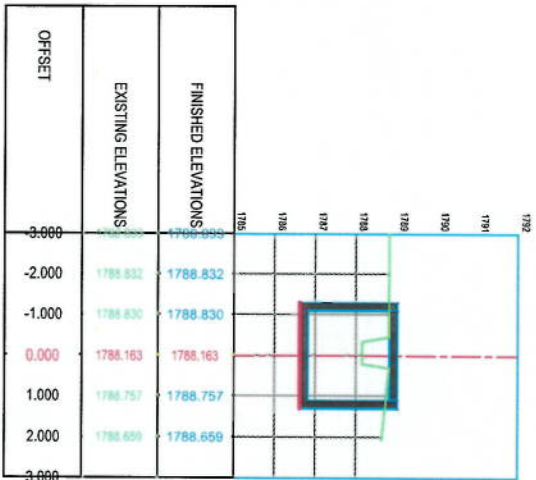
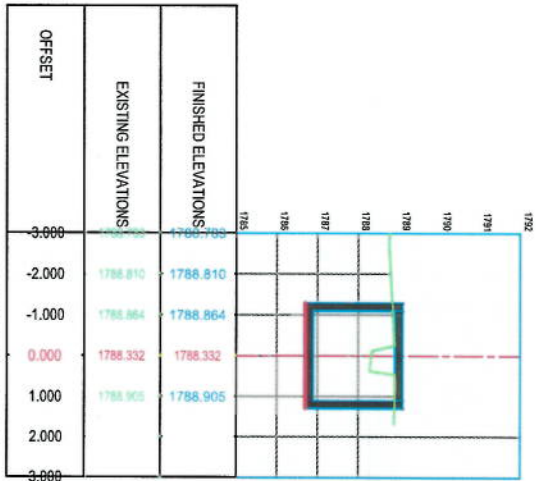
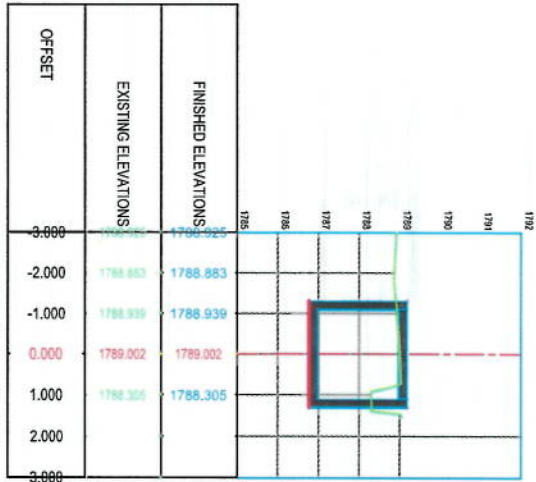
Date:
7/23/2023
Scale:
1:200

Sheet:
FINAL
DESIGN

Project Code:
L12C-CS

SHEET NO.
01

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn/Checked/Approved

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MAIDANI LOT2 - CANAL
PROJECT

Drawing Title:
CROSS SECTIONS

Drawn by:
Ghulam Sahib Soroosh
Signature:
Designed by:
Ghulam Sahib Soroosh
Signature:
Checked by:
Habibullah Shalaby
Signature:
Reviewed by:
Signature:

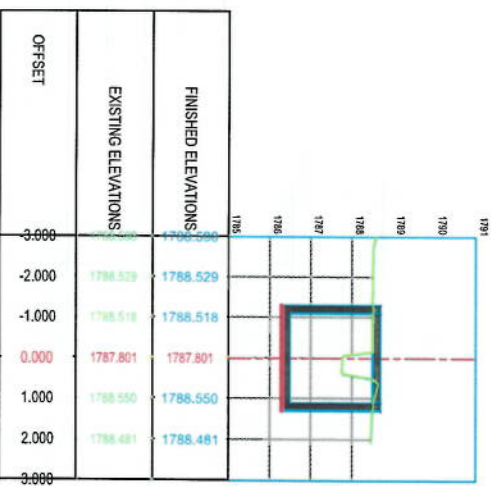
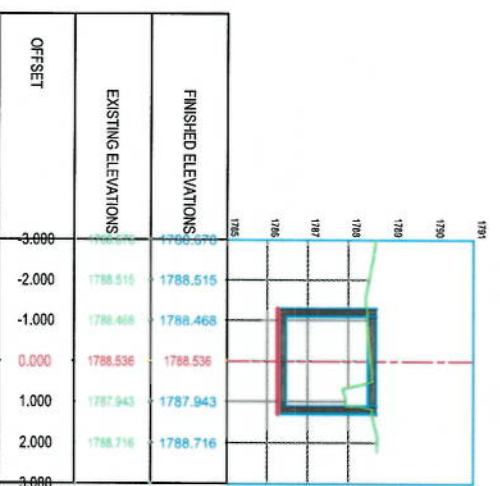
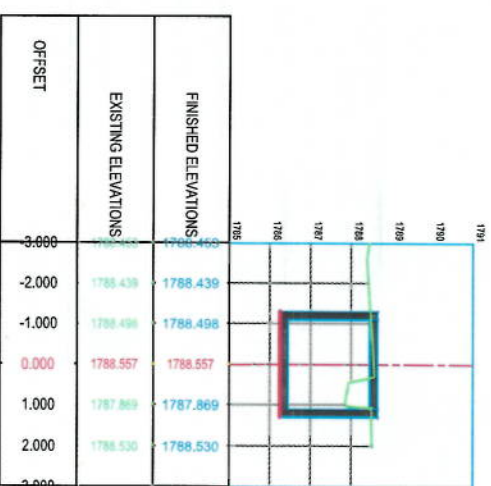
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7/23/2023
Scale:
1:200

Sheet:
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DESIGN

Project Code:

Sheet No.
L172C-CS




Revision
01



Designed By:

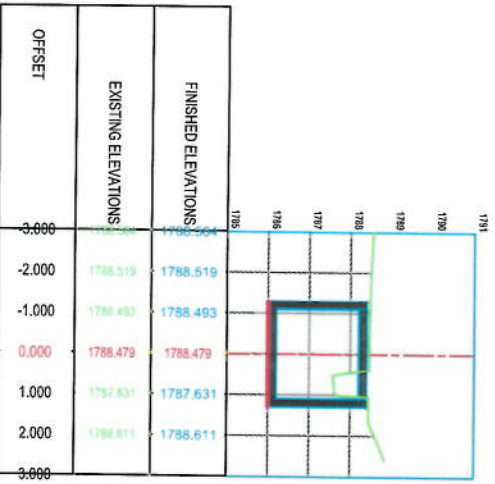
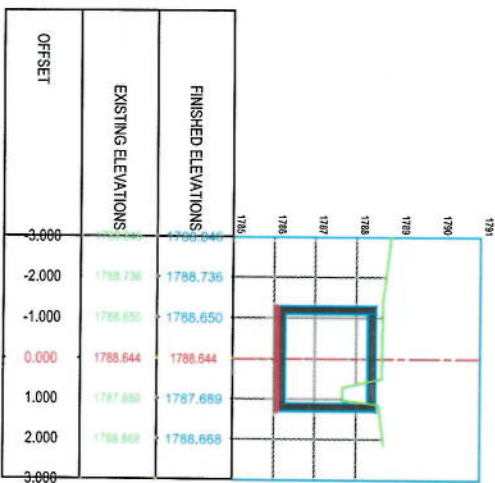
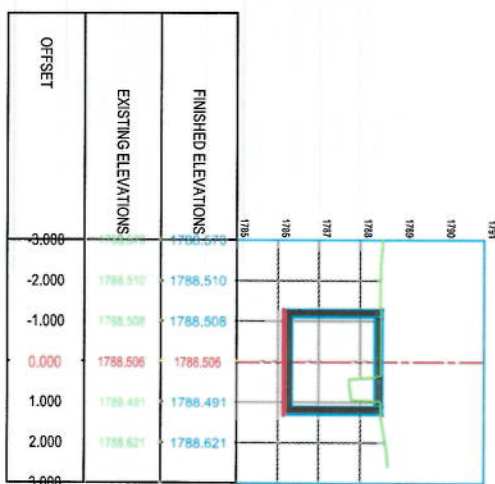
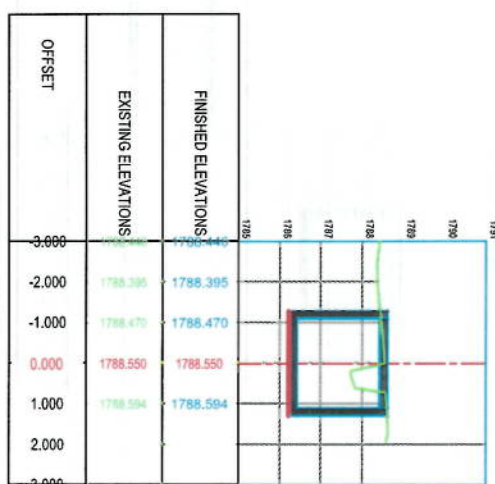
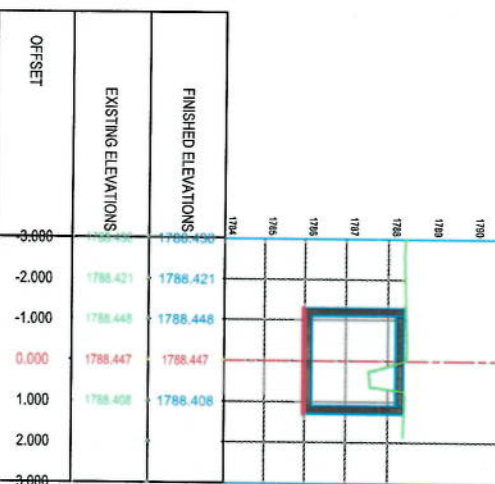
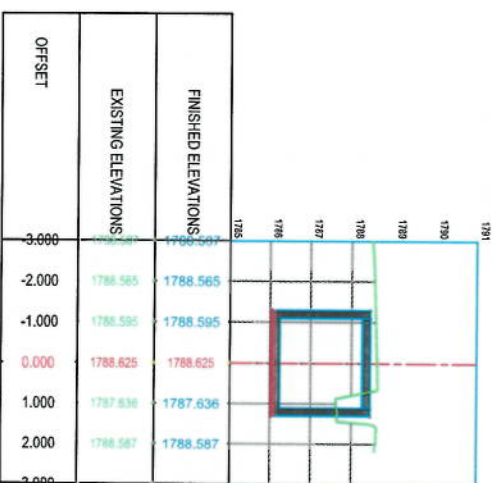
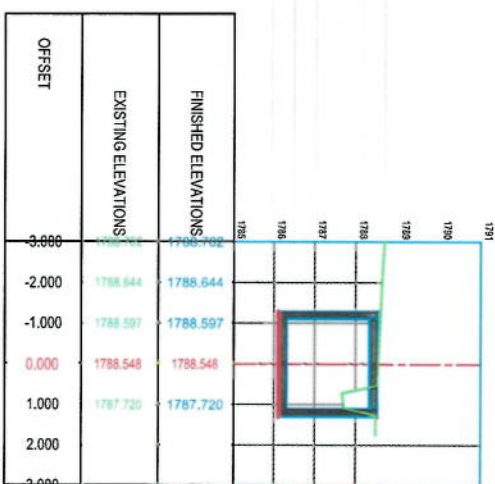
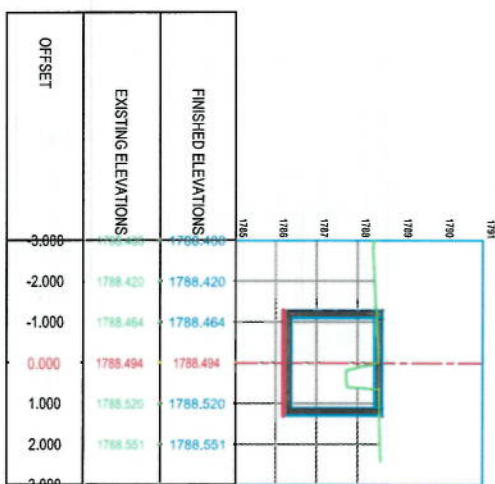
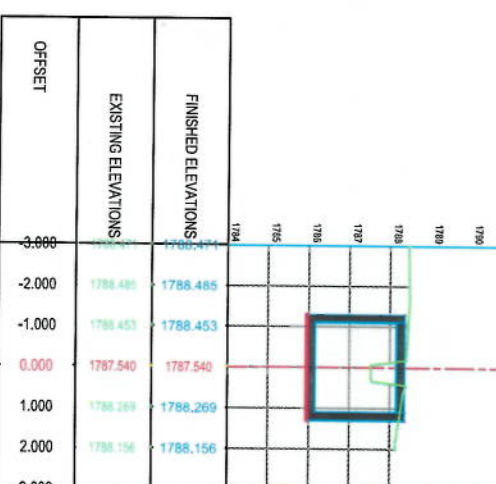
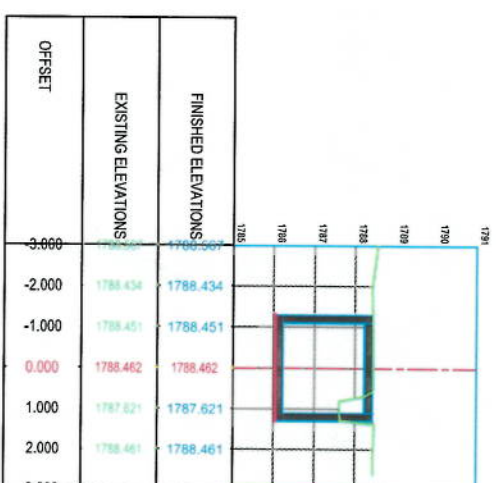
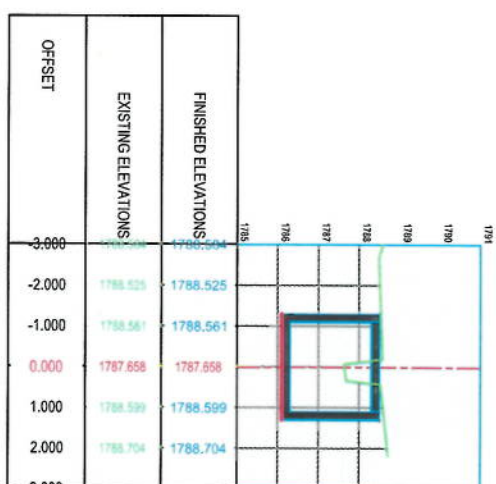
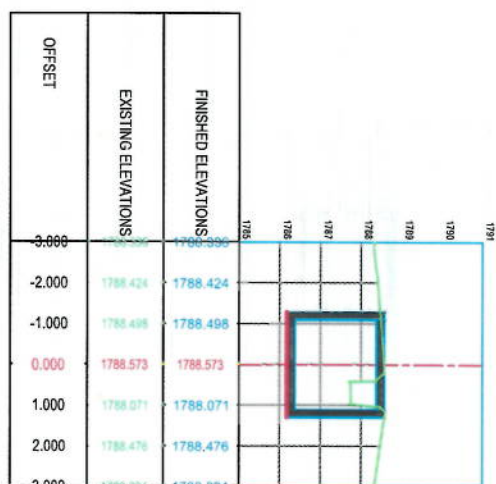


KABUL MUNICIPALITY
DESIGN TEAM

Drawn by : Gulshan Sakh Sorosh	Signature: 
Designed by: Gulshan Sakh Sorosh	Signature: 
Checked by : Hassanullah Shalaby	Signature: 
Reviewed by	Signature:

SHEET NO.	LT2C-CS
REVISION	01

NOTE:
1. All dimensions are in meters unless otherwise indicated.

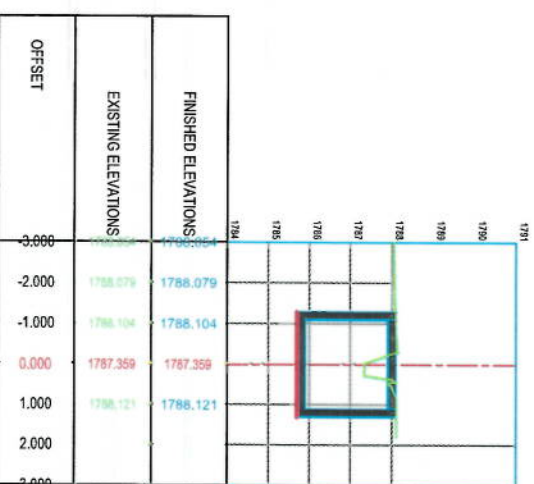
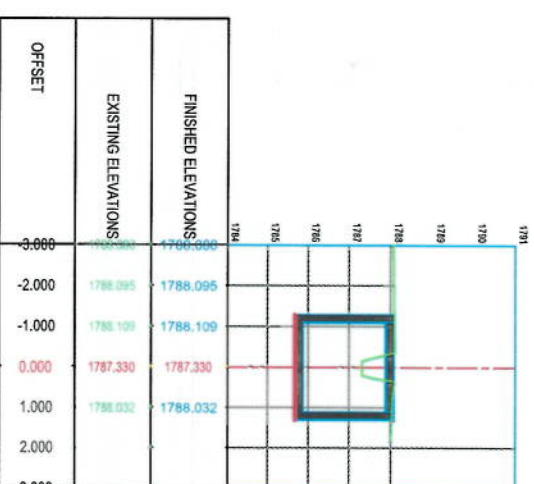
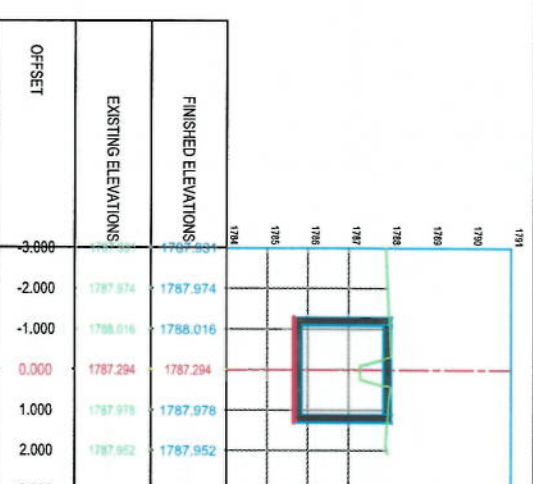


Project Name: MAIDAN LOT2 - CANAL PROJECT
Drawing Title: CROSS SECTIONS

Designed By: [Signature]
Checked By: [Signature]
Reviewed By: [Signature]

Date: 7/23/2023
Scale: 1:200

Sheet No: L172C-CS
Revision: 01







ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:

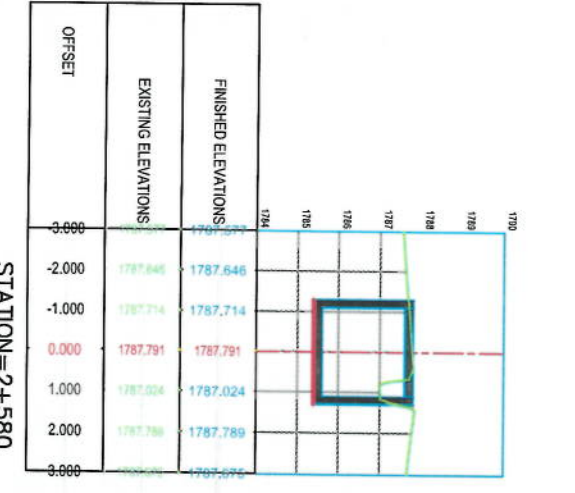
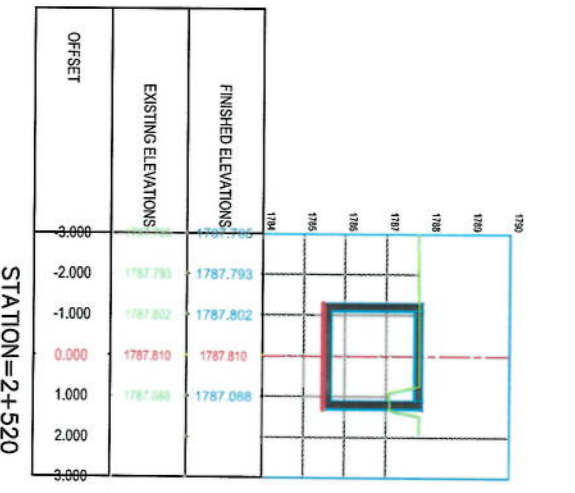
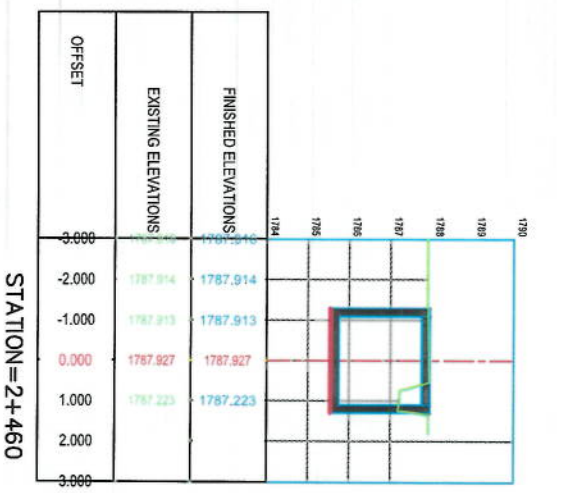
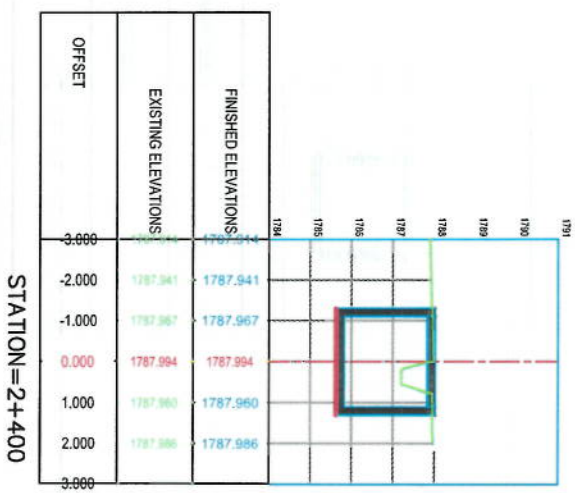
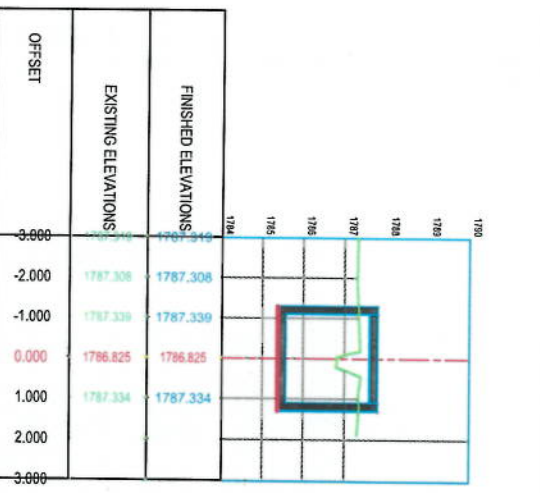
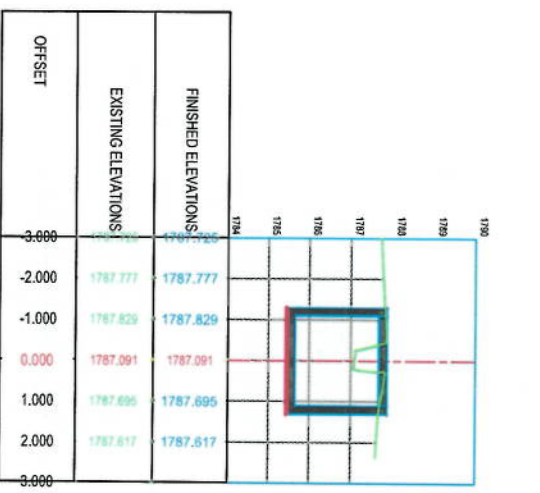
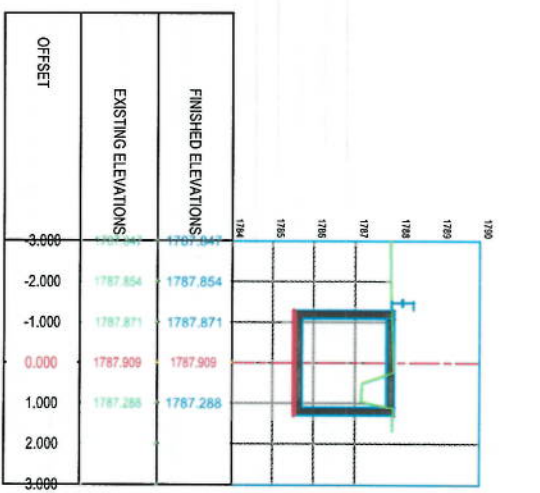
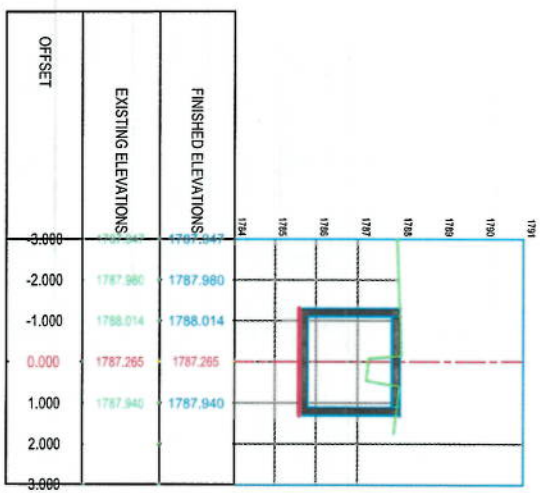
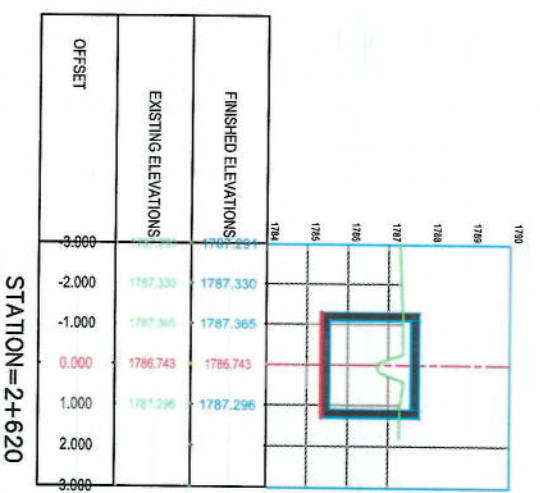
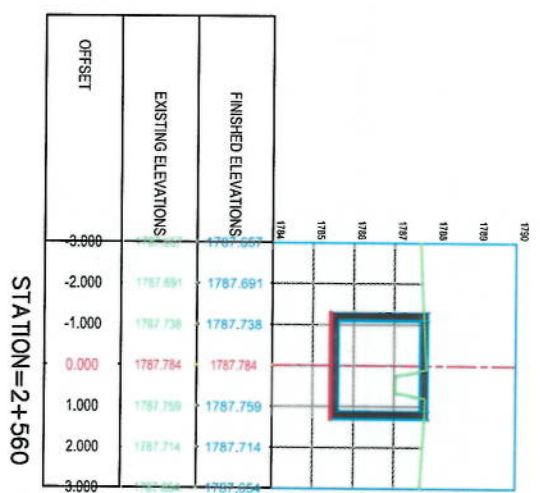
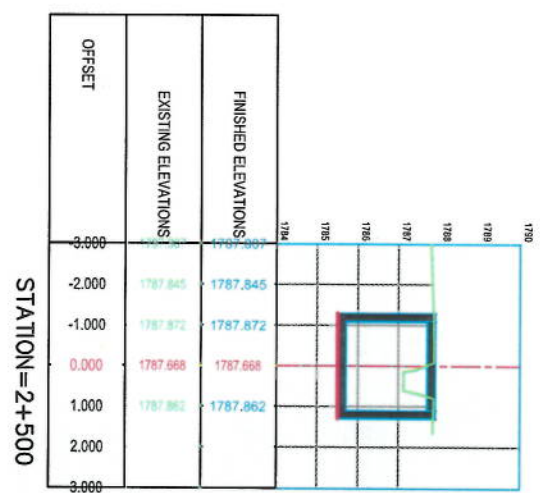
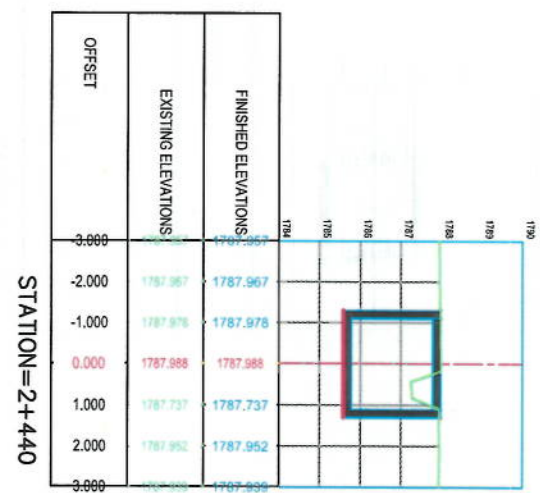
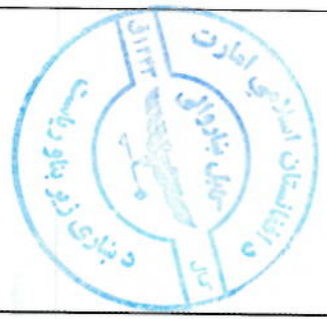


KABUL MUNICIPALITY
DESIGN TEAM

Drawn by :	Signature:
Ghulam Sahib Serooh	
Designed by:	Signature:
Ghulam Sahib Serooh	
Checked by :	Signature:
Haseebullah Sultany	
Reviewed by	Signature:
	

SHEET NO.	Revision
LT2C-CS	01

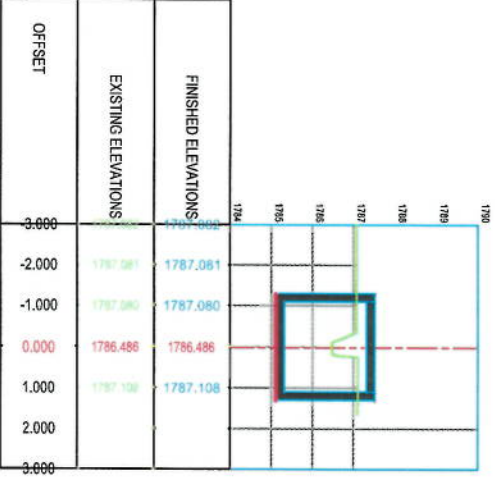
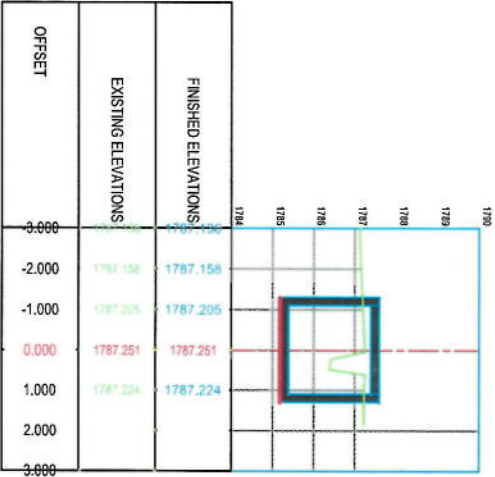
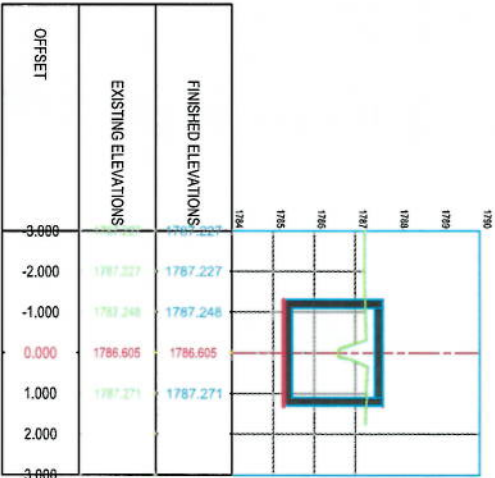
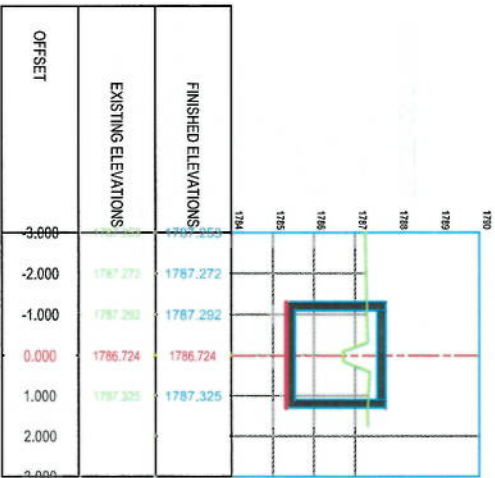
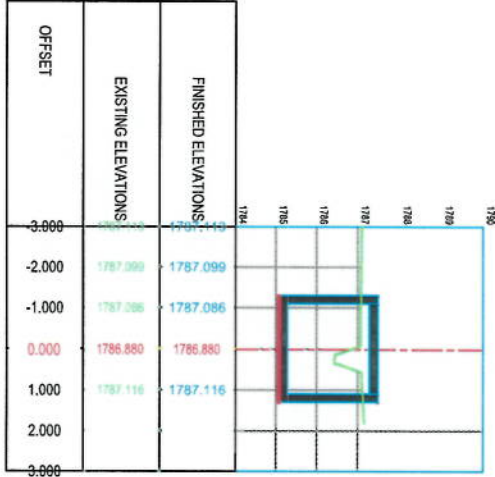
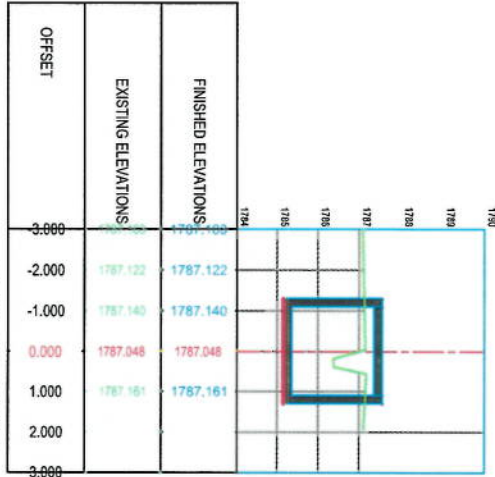
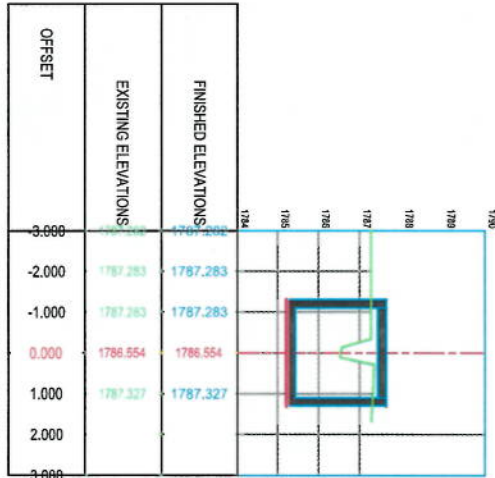
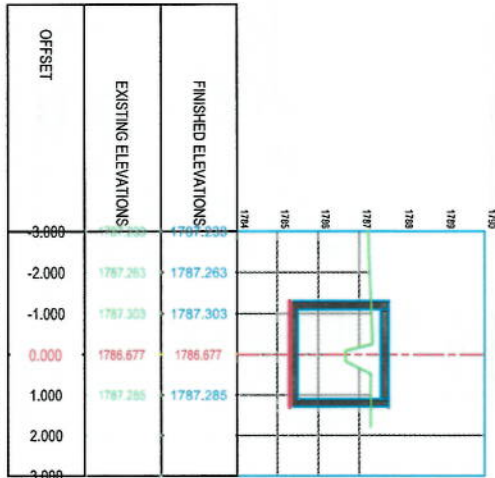
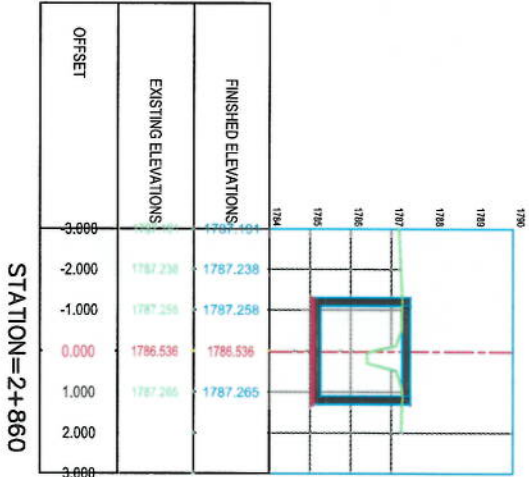
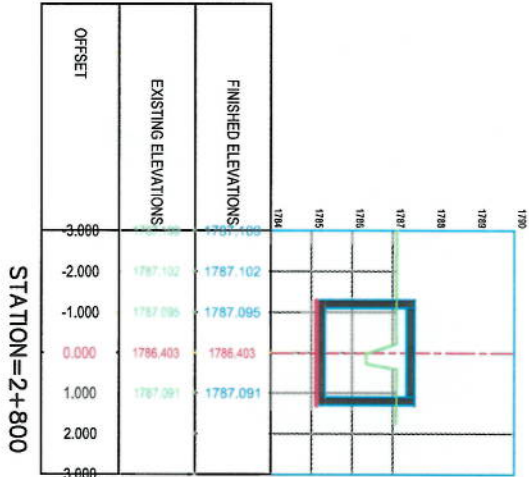
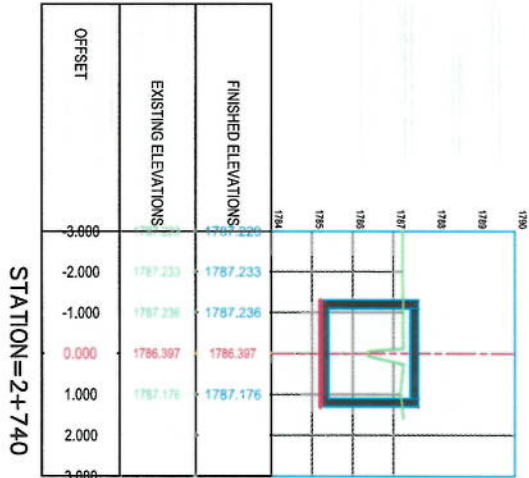
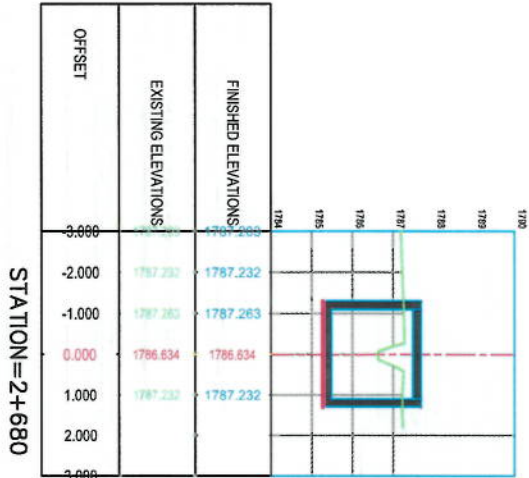
NOTE:
1. All elevations are in meters unless otherwise indicated.



Project Name: MAIDAN LOT2 - CANAL PROJECT	
Drawing Title: CROSS SECTIONS	
Drawn by: Ghulam Sahib Sorosh	Signature:
Designed by: Ghulam Sahib Sorosh	Signature:
Checked by: Habibullah Shahidi	Signature:
Reviewed by:	Signature:
Date: 7/23/2023	Scale: 1:200
Status: FINAL DESIGN	
Project Code:	
SHEET NO. L172C-CS	Revision 01



NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Project Name:
MAIDAN LOT2 - CANAL
PROJECT

Drawing Title:

CROSS SECTIONS

Drawn By:
Ghulam Sahib Soroosh
Signature:
Designed By:
Ghulam Sahib Soroosh
Signature:
Checked By:
Habibullah Shahidi
Signature:
Reviewed By:
Signature:

Date:
7/23/2023
Scale:
1:300

Status:
FINAL
DESIGN

Project Code

SHEET NO.

L172C-CS

Revision

01

Islamic Republic of
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

NOTE:
1. All dimensions are in meters unless
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

Designed By:

ISLAMIC REPUBLIC OF
AFGHANISTAN
KARBI MUNICIPALITY
DESIGN TEAM

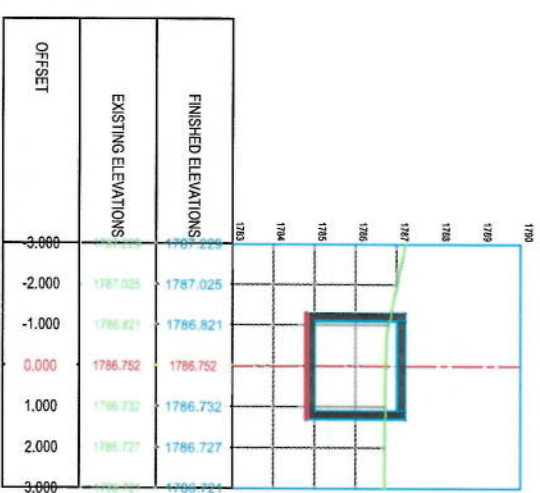
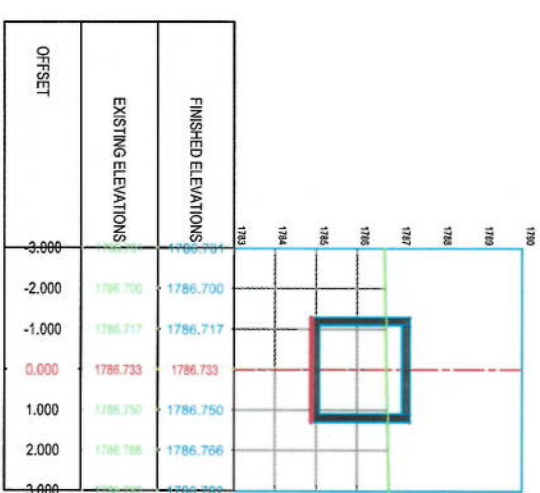
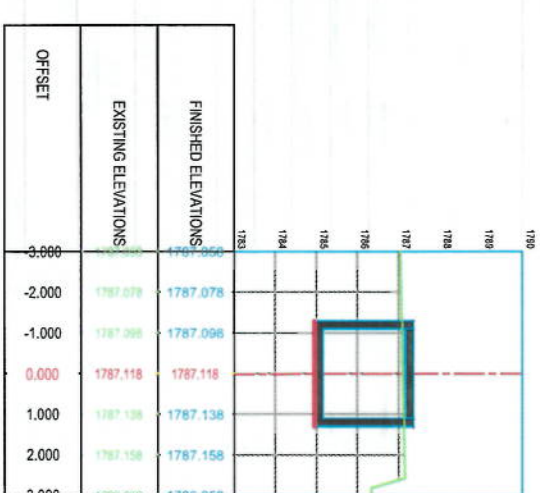
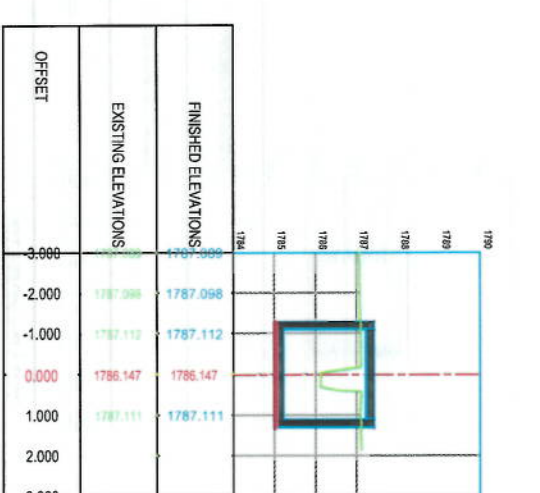
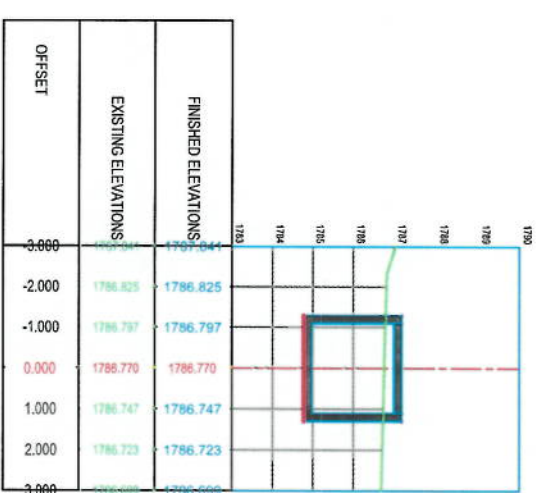
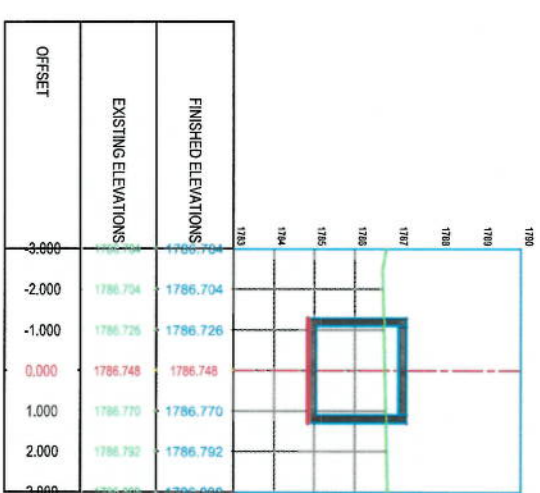
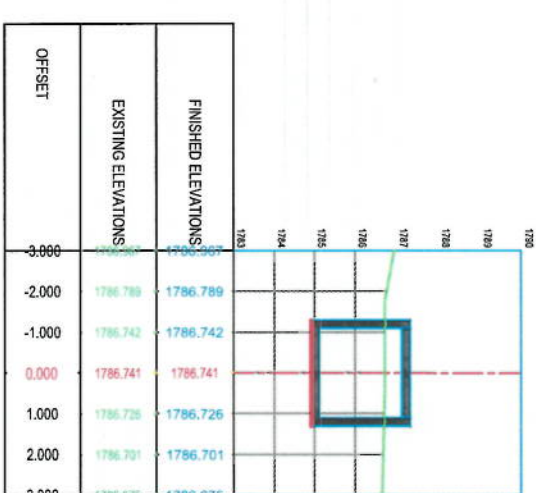
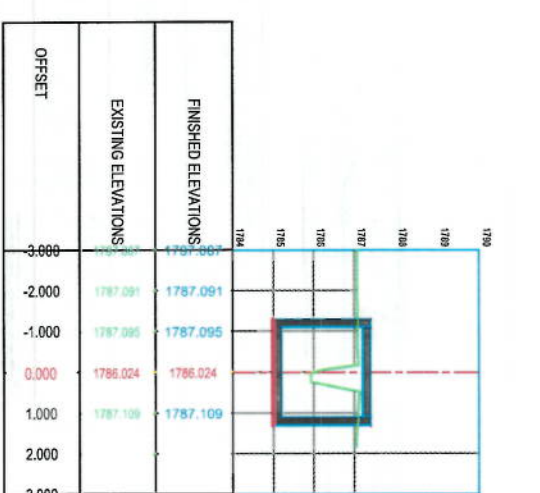
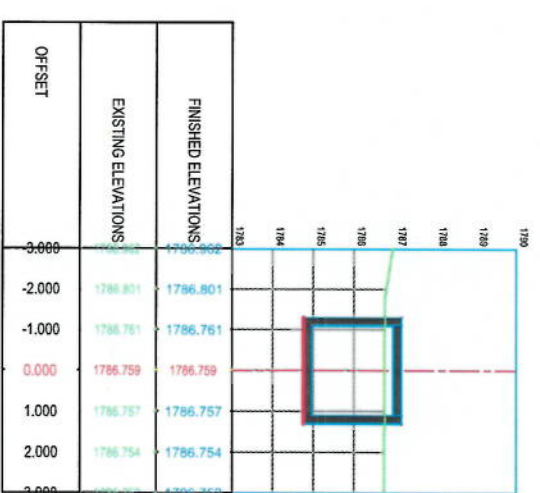
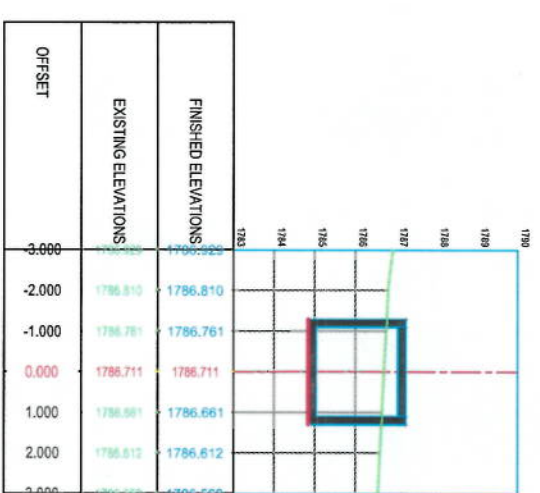
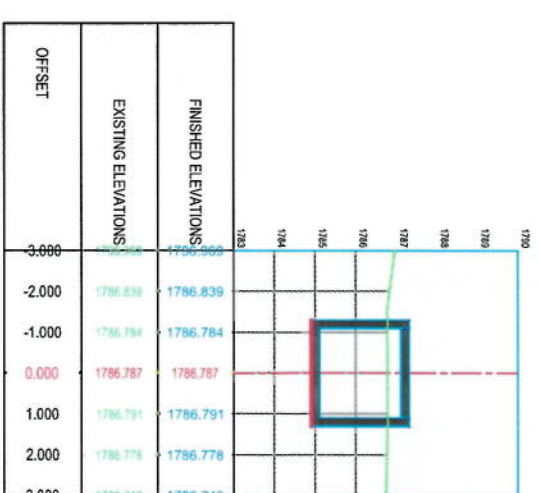
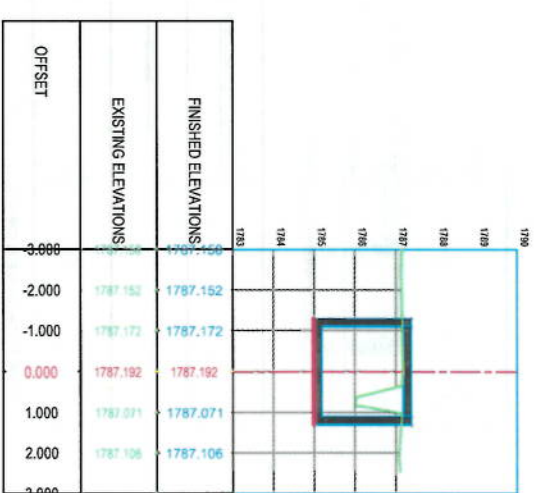
Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**
Drawing Title:
CROSS SECTIONS
Drawn by:
Ghulam Sahib Sonoh
Signature:
Designed by:
Ghulam Sahib Sonoh
Signature:
Checked by:
Habibullah Shalazy
Signature:
Reviewed by:
Signature:

Date:
7/23/2023
Scale:
1:200

Status:
**FINAL
DESIGN**

Project Code:
L72C-CS


SHEET NO.
01



NOTE:
1. All dimensions are in meters unless otherwise indicated.







Rev	Date	Revision Details	Drawn	Check	Appd

DESIGNED BY:

ISLAMIC REPUBLIC OF AFGHANISTAN

DESIGNED BY:

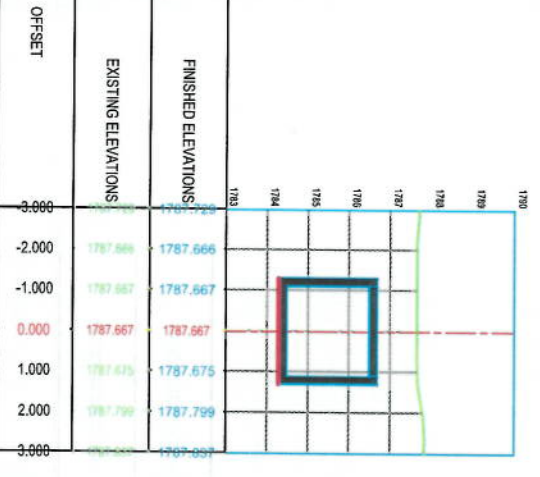
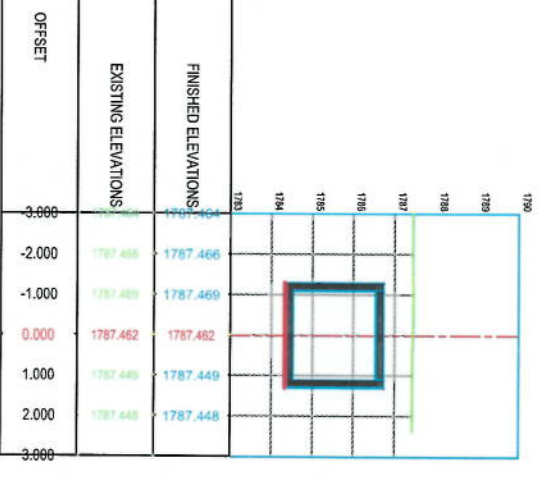
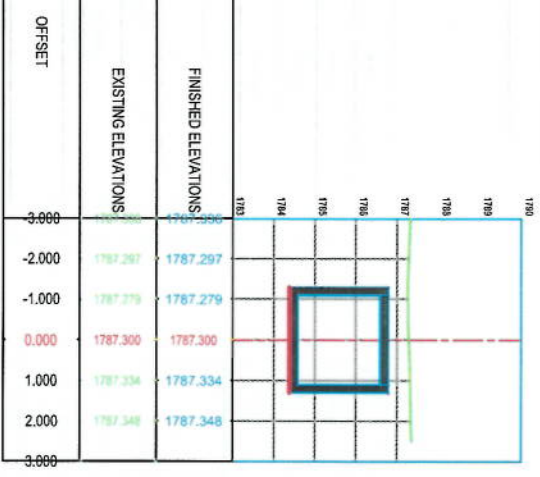
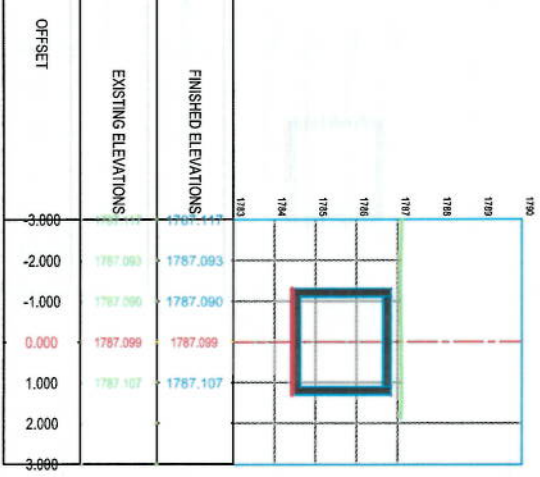
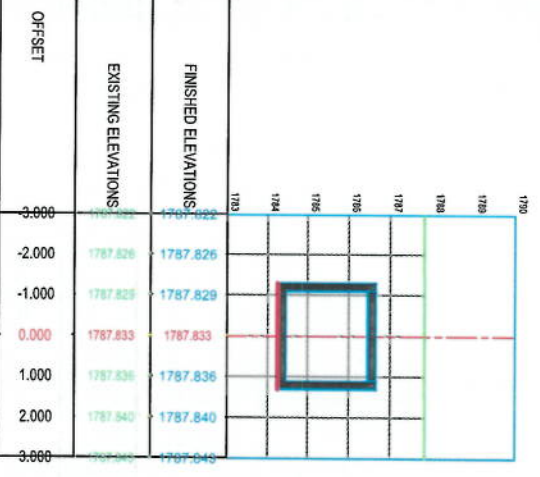
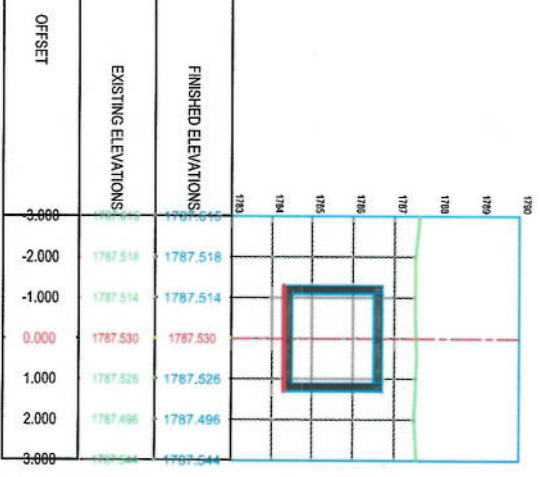
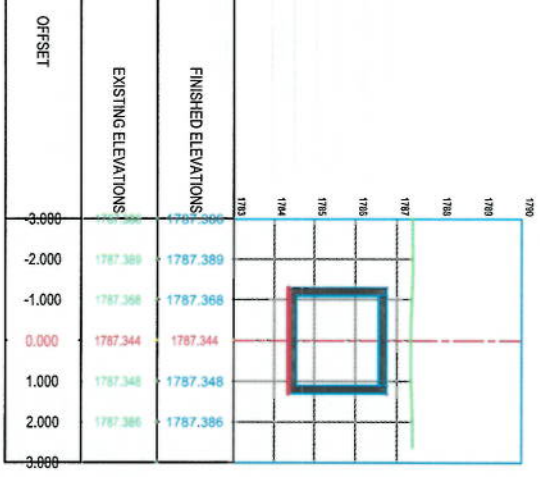
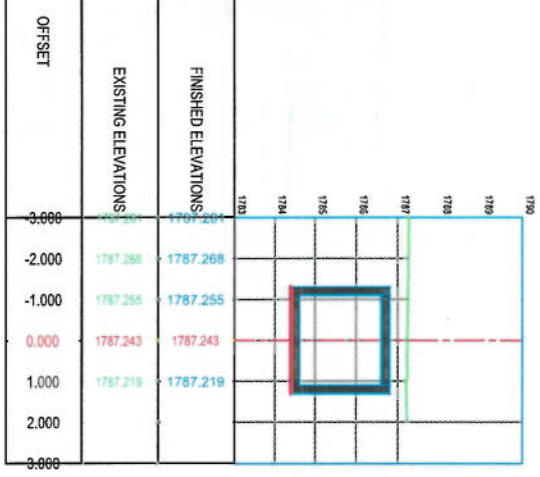
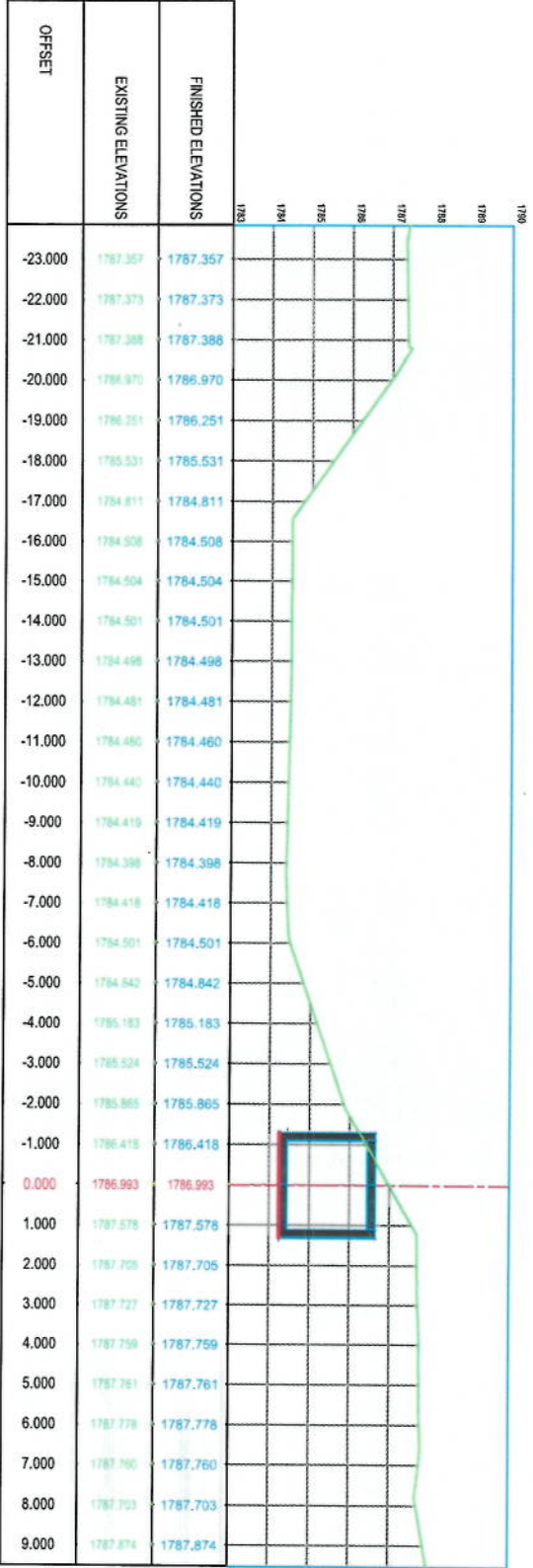
KABUL MUNICIPALITY DESIGN TEAM

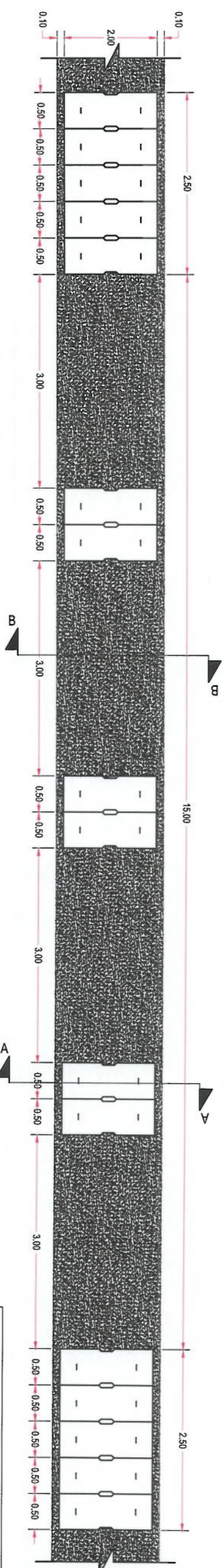
Project Name:
MAIDAN LOT2 - CANAL PROJECT
Drawing Title:
CROSS SECTIONS

Drawn by: 
Designed by: 
Checked by: 
Reviewed by: 

Date: 7/23/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
SHEET NO. L72C-CS

Revision: 01

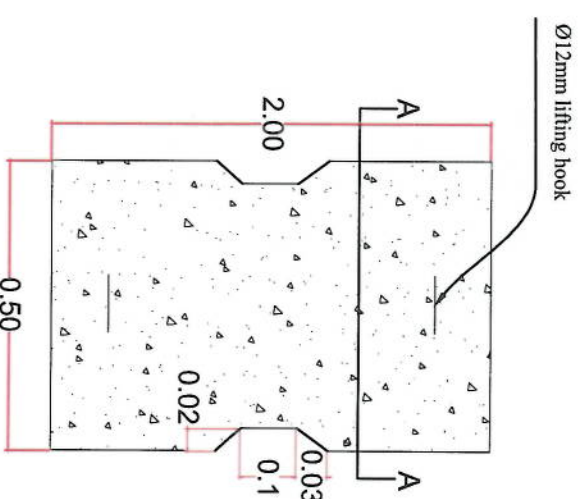
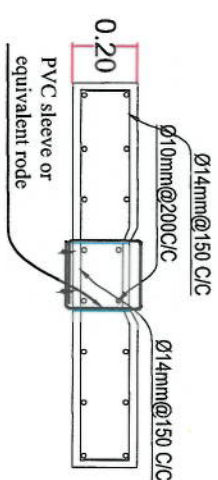
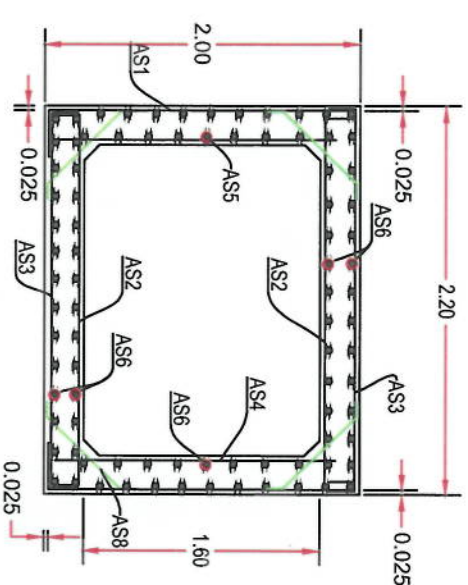
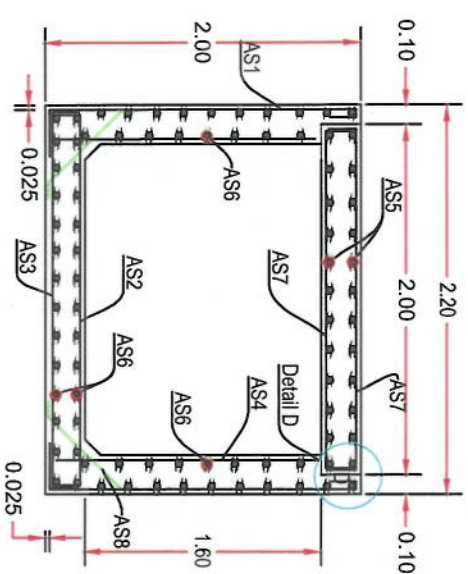
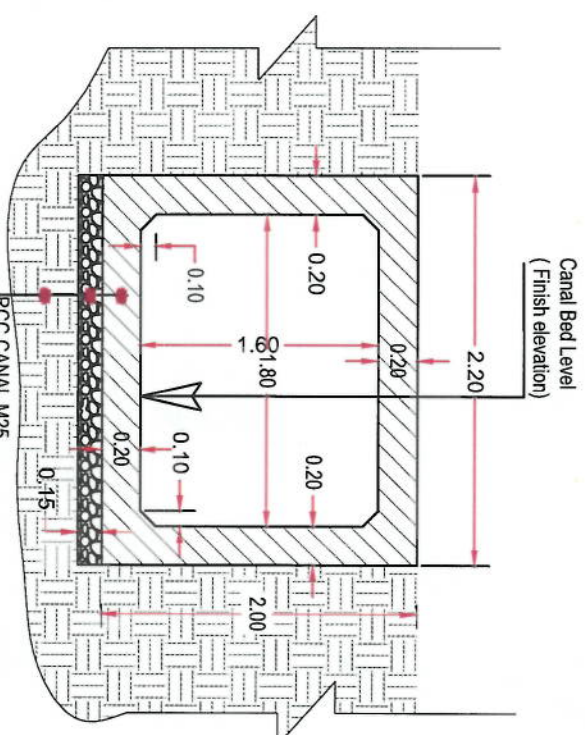
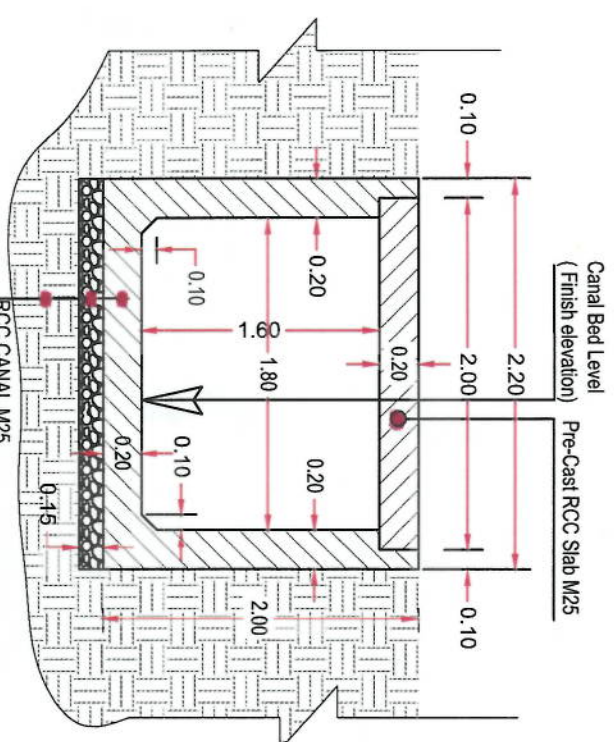












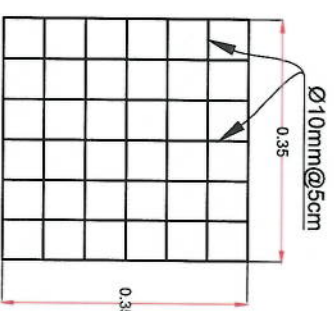
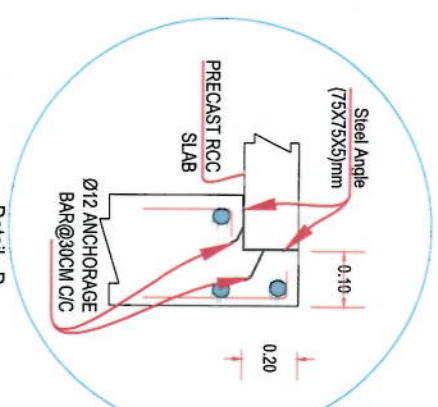
NOTE:

1. All dimensions are in meter unless otherwise indicated.

Note: Steel bar mesh should be properly fixed and welded at each opening, which is considered due to the dropping of water from link road ditches to the canal.



CANAL REINFORCEMENT SCHEDULE					
NUM.	Bar Shape	Ø (mm)	SPACING (MM)	Length (M)	Remarks
AS1		14	160		
AS2		14	150		
AS3		14	150		
AS4		14	160		
AS5		10	200		
AS6		10	200		
AS7		14	150		
AS8		10	300		






Lifting hook detail

Lifting hook shall be

DET D

RCC SLAB FOR
PROPOSED CANAL
SCALE: NTS

Drawn By:	Mehinul Isham	Signature:	
Designed By:	Qudus Sakh Sornh	Signature:	
Checked By:	Mehinul Shaleh	Signature:	
Date:	24-07-2023	Scale:	As shown
Status:	FINAL DESIGN		
Project Code			
Drawing Number	Revision		
DITCH DET-01			00

Designed By:

**Islamic Emirate of
Afghanistan**

**KABUL MUNICIPALITY
DESIGN TEAM**

Project Name: MAIDAN LOT2- CANAL PROJECT

CANAL PLAN, SECTIONS & DETAILS

Drawn By:	Signature:
-----------	------------

Designed By:	Signature:
--------------	------------

Checked: By	Signature:
-------------	------------

2

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[illegible]

Date:	Scale:
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FINAL DESIGN

Project Code

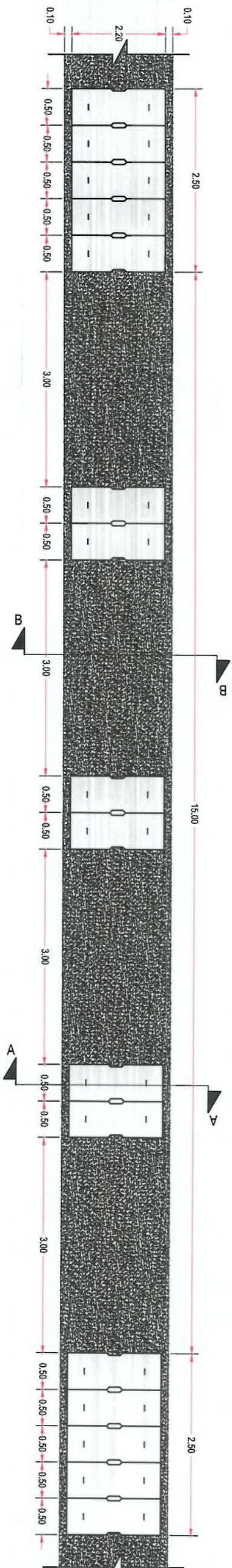
Drawing Number

DITCH DET-01

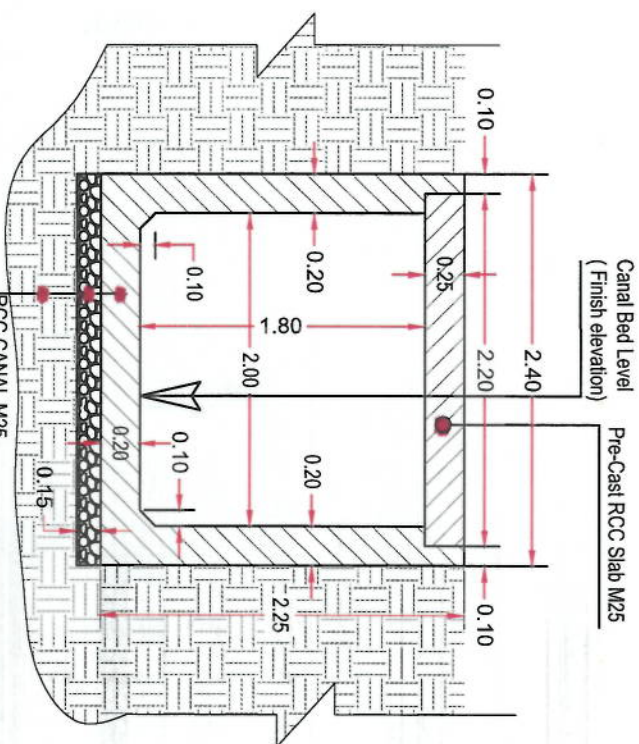
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DITCH DET-01

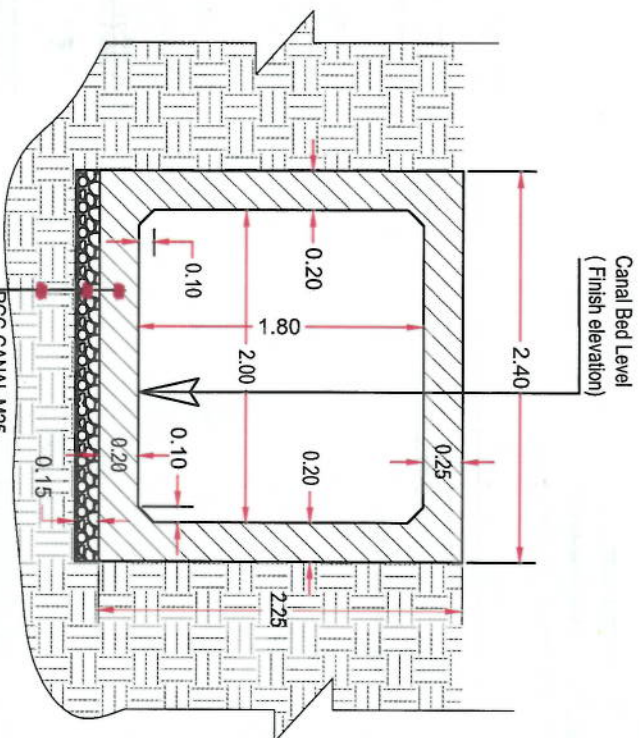
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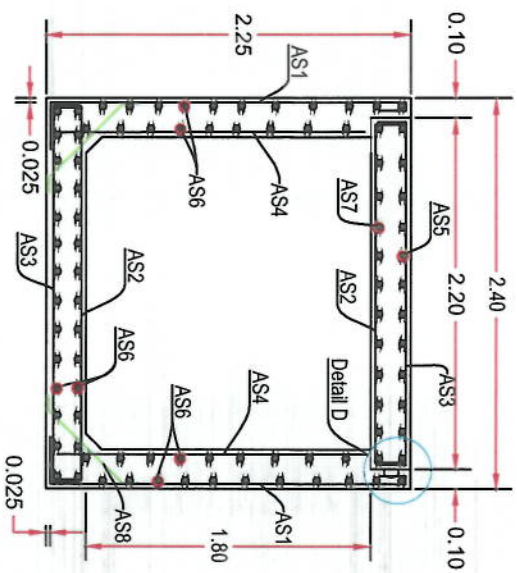
Type B RCC Canal From Station 0+470 to 1+347



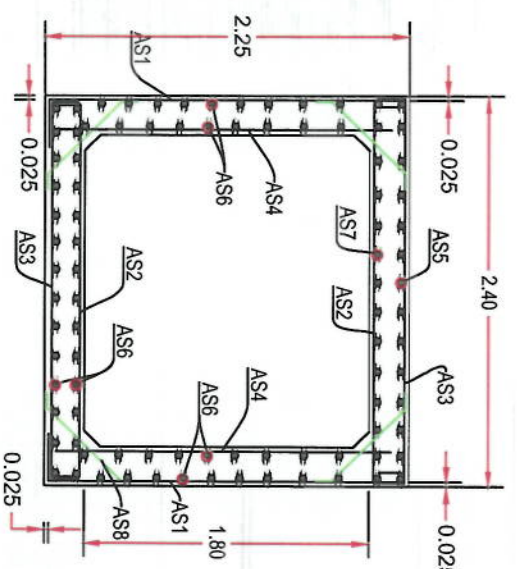
Section A-A, Dimension and material Details



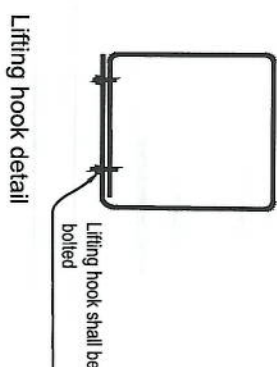
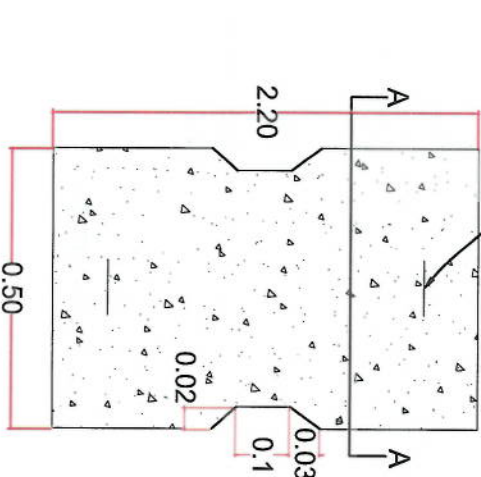
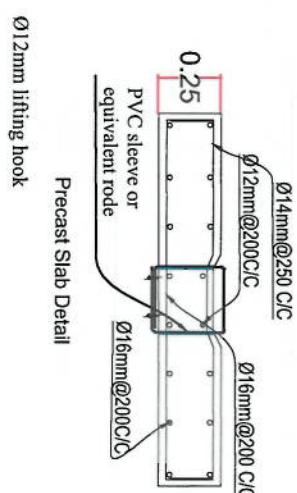
Section B-B, Dimension and material Details



Section A-A, Reinforcement Details

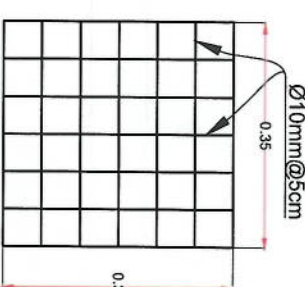
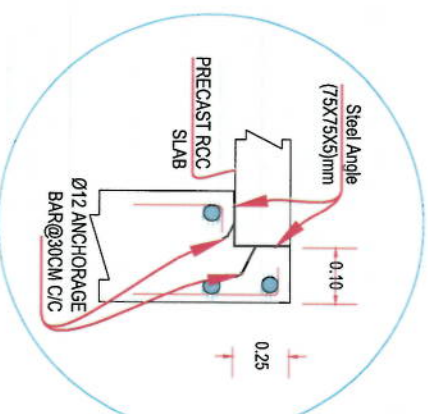


Section B-B, Reinforcement Details



DET D
SCALE: NTS

CANAL REINFORCEMENT SCHEDULE				
NUM.	Bar Shape	Ø (mm)	SPACING (MM)	Length (M)
AS1		14	200	
AS2		16	200	
AS3		14	250	
AS4		12	150	
AS5		12	200	
AS6		14	200	
AS7		16	200	
AS8		14	200	



STEEL BAR MESH DETAIL

NOTE:
1. All dimensions are in meter unless otherwise indicated.

Note:
-Steel bar mesh should be properly fixed and welded at each opening, which is considered due to the dropping of water from link road ditches to the canal.
-From station 0+750 to station 1+150 the interior height of canal will be increased from h = (180 - 225)cm therefore, the canal at the mentioned stations shall be adjusted properly to existing road top surface, for more details refer to drainage plan.



Islamic Emirate of Afghanistan

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
MADHAN LOT-2 CANAL PROJECT

Drawing Title:
CANAL PLAN, SECTIONS & DETAILS

Designed By:
Mehajir Rahman
Designed By:
Ghulam Sabih Soroosh
Checked By:
Habibullah Shahzai

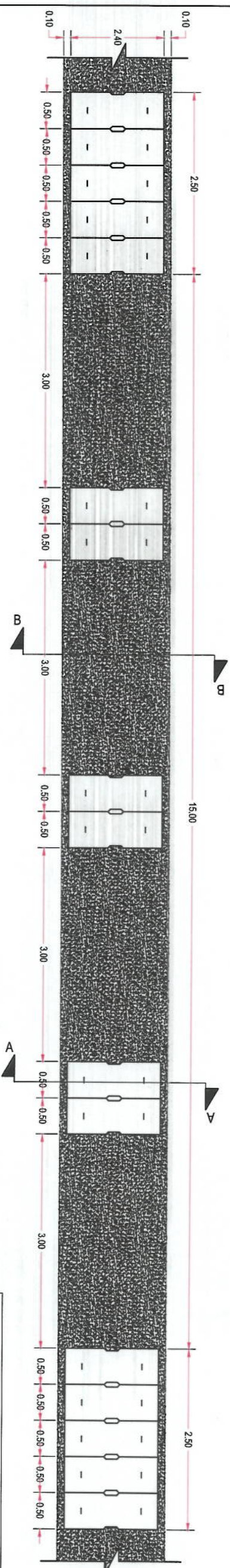
Date:
24-07-2023

Scale:
As shown

Project Code:
FINAL DESIGN

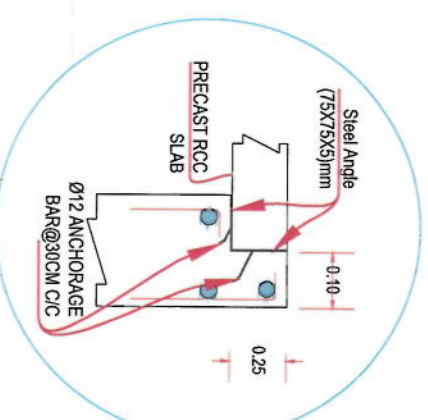
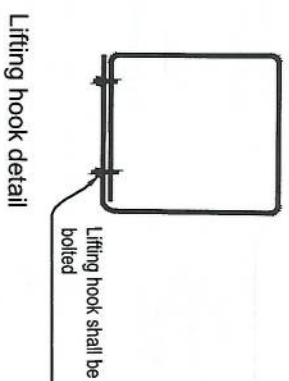
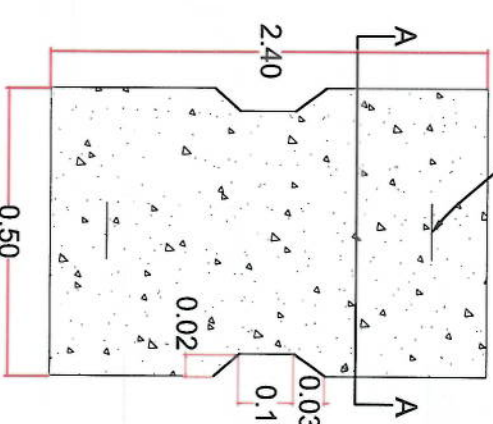
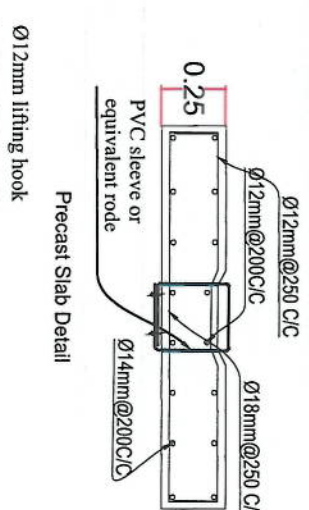
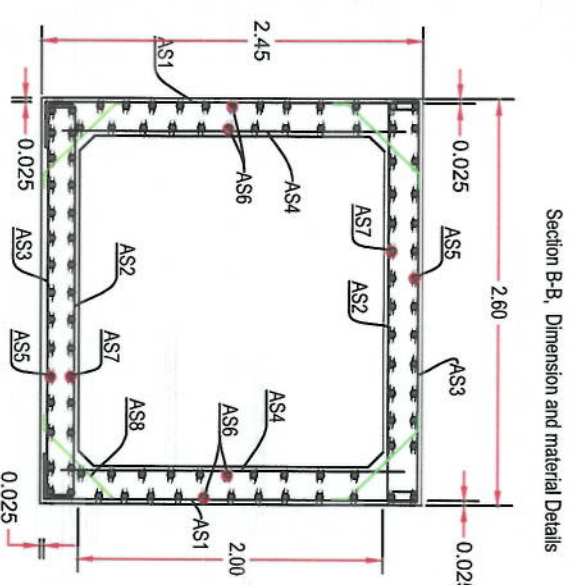
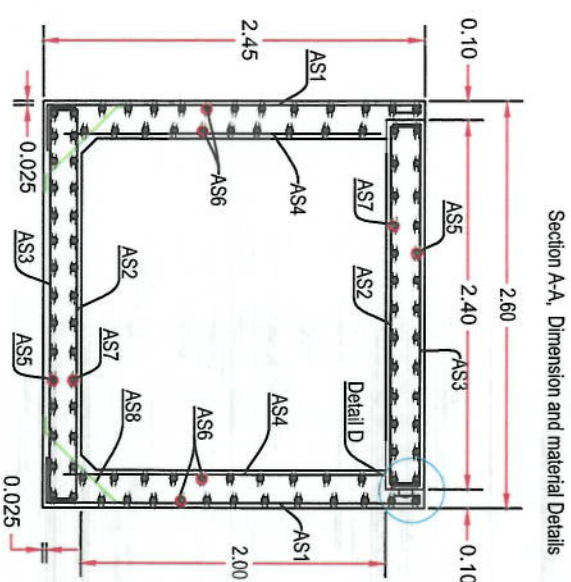
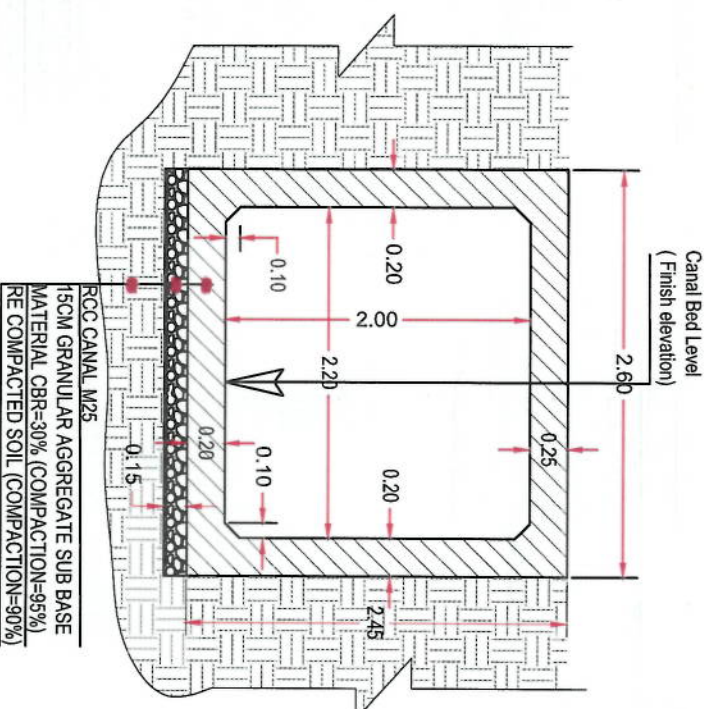
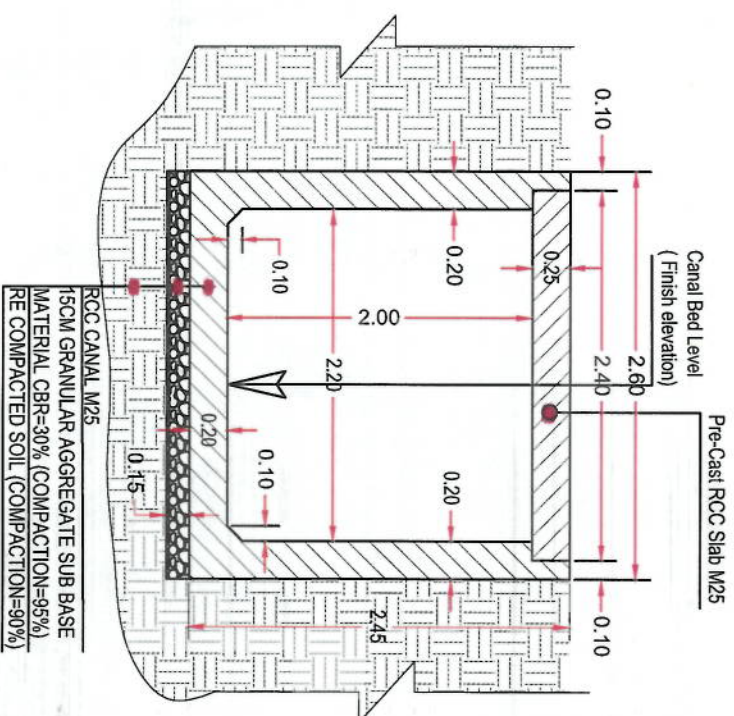
Drawing Number:
DITCH DET-02









Revision:
00

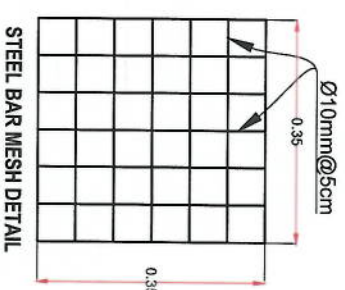
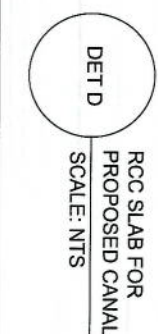


Note: Steel bar mesh should be properly fixed and welded at each opening, which is considered due to the dropping of water from link road ditches to the canal.

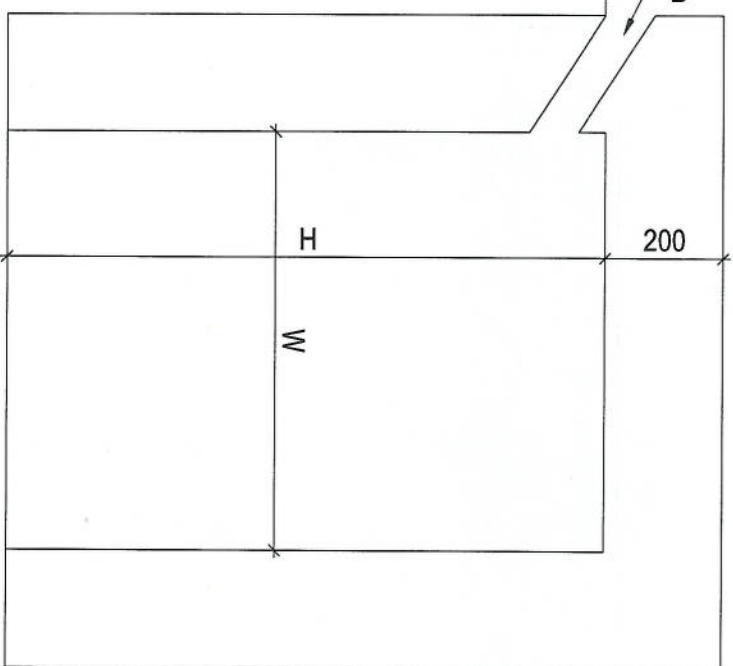
Type C RCC Canal From Station 1+347 to 3+520



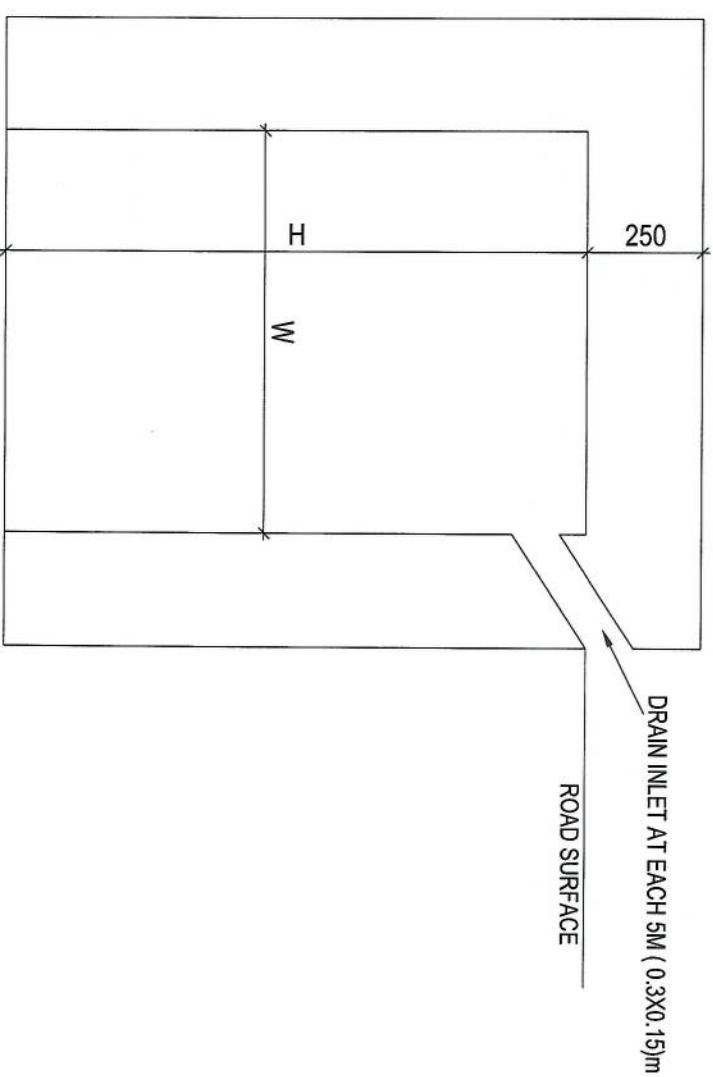
CMMI REINFORCEMENT SCHEDULE					
NUM.	Bar Shape	Ø (mm)	SPACING (mm)	Length (m)	Remarks
AS1		14	200		
AS2		18	250		
AS3		12	200		
AS4		12	150		
AS5		12	250		
AS6		12	250		
AS7		14	250		
AS8		14	250		

[illegible]

ROAD SURFACE



CANAL TYPE A FROM STATION 0+000 TO 0+470



CANAL TYPE B FROM STATION 0+470 TO 0+660

1. All dimensions are in meters unless otherwise indicated.

[illegible]

ISLAMIC EMIRAT OF
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAMProject Name:
MAIDAN LOT2-CANAL PROJECT

Drawing Title:

CANAL DETAILS

Drawn by: Mehboob Rahman	Signature:
Designed by: Ghulam Sakhi Sarosh	Signature:
Checked by: Hasbullah Shaitzi	Signature:

Date: 24-07-2023 Scale:

Status:

Project Code

Drawing Number	Revision
CANAL DETAILS	00

Alignment Name: Canal LOT2

Description:

Station Range: Start: 0+000.00, End: 3+560.00

Station Increment: 20.00

Station	Northing	Easting	Station	Northing	Easting	Station	Northing	Easting	Station	Northing	Easting
0+000.00	3,823,165.0599m	520,273.1256m	0+440.00	3,823,567.4429m	520,450.1390m	0+880.00	3,823,825.5007m	520,775.1151m	1+320.00	3,823,782.5196m	521,186.3165m
0+020.00	3,823,183.5653m	520,280.7098m	0+460.00	3,823,585.8567m	520,457.9354m	0+900.00	3,823,834.7860m	520,792.6729m	1+340.00	3,823,784.5361m	521,206.1088m
0+040.00	3,823,201.9375m	520,288.6132m	0+480.00	3,823,603.8551m	520,466.6069m	0+920.00	3,823,837.6803m	520,812.3552m	1+360.00	3,823,776.8594m	521,220.9620m
0+060.00	3,823,220.1082m	520,296.9097m	0+500.00	3,823,619.4400m	520,478.5304m	0+940.00	3,823,837.2300m	520,832.3468m	1+380.00	3,823,760.2840m	521,232.1158m
0+080.00	3,823,238.0101m	520,305.8184m	0+520.00	3,823,629.6546m	520,495.7253m	0+960.00	3,823,838.7349m	520,852.2870m	1+400.00	3,823,742.7105m	521,241.3313m
0+100.00	3,823,256.1734m	520,314.1905m	0+540.00	3,823,639.6217m	520,513.0624m	0+980.00	3,823,839.5839m	520,872.2396m	1+420.00	3,823,725.7542m	521,251.9372m
0+120.00	3,823,274.4114m	520,322.3986m	0+560.00	3,823,649.5980m	520,530.3966m	1+000.00	3,823,837.8579m	520,892.1518m	1+440.00	3,823,708.7979m	521,262.5431m
0+140.00	3,823,292.6620m	520,330.5787m	0+580.00	3,823,658.7827m	520,548.1594m	1+020.00	3,823,835.5724m	520,912.0208m	1+460.00	3,823,708.4166m	521,277.8014m
0+160.00	3,823,311.0097m	520,338.5286m	0+600.00	3,823,667.8462m	520,565.9878m	1+040.00	3,823,833.5986m	520,931.9187m	1+480.00	3,823,716.0143m	521,296.1946m
0+180.00	3,823,329.6103m	520,345.8782m	0+620.00	3,823,677.9056m	520,583.2404m	1+060.00	3,823,832.0346m	520,951.8569m	1+500.00	3,823,716.6526m	521,316.0078m
0+200.00	3,823,348.2109m	520,353.2279m	0+640.00	3,823,688.8370m	520,599.9887m	1+080.00	3,823,829.9416m	520,971.7429m	1+520.00	3,823,716.0069m	521,335.9973m
0+220.00	3,823,366.7907m	520,360.6291m	0+660.00	3,823,698.8947m	520,617.2756m	1+100.00	3,823,826.6385m	520,991.4486m	1+540.00	3,823,715.3612m	521,355.9869m
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0+260.00	3,823,403.7973m	520,375.8115m	0+700.00	3,823,719.2837m	520,651.6844m	1+140.00	3,823,818.5982m	521,030.5776m	1+580.00	3,823,717.7978m	521,395.6110m
0+280.00	3,823,421.8483m	520,384.3938m	0+720.00	3,823,727.2830m	520,669.7415m	1+160.00	3,823,815.1056m	521,050.2703m	1+600.00	3,823,726.6179m	521,413.5241m
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0+360.00	3,823,493.2237m	520,420.5214m	0+800.00	3,823,773.4381m	520,724.1886m	1+240.00	3,823,795.8024m	521,122.9884m	1+680.00	3,823,766.6507m	521,482.7115m
0+380.00	3,823,511.4503m	520,428.7270m	0+820.00	3,823,778.2116m	520,740.7121m	1+260.00	3,823,777.6067m	521,130.8068m	1+700.00	3,823,777.1812m	521,499.5302m
0+400.00	3,823,530.3104m	520,435.3129m	0+840.00	3,823,791.6329m	520,754.0948m	1+280.00	3,823,774.3803m	521,147.1533m	1+720.00	3,823,789.6964m	521,515.1305m
0+420.00	3,823,549.0638m	520,442.2634m	0+860.00	3,823,809.2536m	520,763.5557m	1+300.00	3,823,778.4499m	521,166.7349m	1+740.00	3,823,802.2117m	521,530.7308m

NOTE:
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Checked	Approved

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
MAIDAN LOT2 - CANAL PROJECT

Drawing Title:

Alignment Station Increment

Drawn By:	Signature:
Chahin Sahib Sirosh	
Checked By:	Signature:
Chahin Sahib Sirosh	
Reviewed By:	Signature:

Date:	Scale:
7/23/2023	

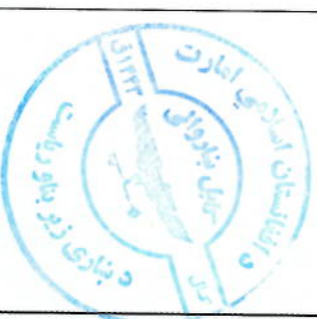
Sheet: FINAL DESIGN

Project Code

SHEET NO.

Revision	01
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NOTE:
1. All dimensions are in metric units
otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC REPUBLIC OF
AFGHANISTAN



Designed By:

Project Name:
**MAIDAN LOT2 - CANAL
PROJECT**

Drawing Title:

Alignment Station
Increment

Drawn by : Ghulam Sakil Sereh	Signature:
Designed by: Ghulam Sakil Sereh	Signature:
Checked by : Habibullah Shalaby	Signature:
Reviewed by	Signature:

Date:
7/23/2023

Scale:

State:
FINAL
DESIGN

Project Code:

SHEET NO.

Revision

01

Station	Northing	Easting	Station	Northing	Easting	Station	Northing	Easting
2+200.00	3,823,941.8009m	521,935.1506m	2+700.00	3,824,071.7899m	522,337.6064m	3+200.00	3,824,537.2665m	522,515.4749m
2+220.00	3,823,939.9014m	521,955.0546m	2+720.00	3,824,090.5462m	522,344.5490m	3+220.00	3,824,556.3272m	522,521.4959m
2+240.00	3,823,937.3962m	521,974.8970m	2+740.00	3,824,109.3209m	522,351.4396m	3+240.00	3,824,575.0818m	522,528.4433m
2+260.00	3,823,935.9579m	521,994.8177m	2+760.00	3,824,128.2827m	522,357.7997m	3+260.00	3,824,589.4767m	522,541.8388m
2+280.00	3,823,936.0388m	522,014.8175m	2+780.00	3,824,147.0996m	522,364.5762m	3+280.00	3,824,603.0345m	522,556.5421m
2+300.00	3,823,936.1197m	522,034.8173m	2+800.00	3,824,165.9138m	522,371.3603m	3+300.00	3,824,616.5923m	522,571.2454m
2+320.00	3,823,935.4747m	522,054.7898m	2+820.00	3,824,184.7047m	522,378.2087m	3+320.00	3,824,630.1501m	522,585.9487m
2+340.00	3,823,933.8583m	522,074.7243m	2+840.00	3,824,203.4646m	522,385.1415m	3+340.00	3,824,643.7079m	522,600.6519m
2+360.00	3,823,932.3101m	522,094.6631m	2+860.00	3,824,221.6503m	522,393.4448m	3+360.00	3,824,657.2657m	522,615.3552m
2+380.00	3,823,931.2490m	522,114.6323m	2+880.00	3,824,239.7456m	522,401.9629m	3+380.00	3,824,672.8286m	522,627.2166m
2+400.00	3,823,931.0510m	522,134.6311m	2+900.00	3,824,257.8159m	522,410.5339m	3+400.00	3,824,692.2500m	522,631.9925m
2+420.00	3,823,930.9897m	522,154.6310m	2+920.00	3,824,275.6597m	522,419.5329m	3+420.00	3,824,711.6714m	522,636.7684m
2+440.00	3,823,928.5672m	522,174.4831m	2+940.00	3,824,292.8465m	522,429.7609m	3+440.00	3,824,731.0928m	522,641.5443m
2+460.00	3,823,927.3340m	522,194.4424m	2+960.00	3,824,310.0334m	522,439.9890m	3+460.00	3,824,750.4469m	522,646.5690m
2+480.00	3,823,925.7575m	522,214.3734m	2+980.00	3,824,327.5520m	522,449.5406m	3+480.00	3,824,768.2477m	522,653.7741m
2+500.00	3,823,923.5893m	522,234.2554m	3+000.00	3,824,346.1596m	522,456.8726m	3+500.00	3,824,775.9734m	522,672.2217m
2+520.00	3,823,922.9821m	522,254.1419m	3+020.00	3,824,364.7671m	522,464.2047m	3+520.00	3,824,783.6990m	522,690.6693m
2+540.00	3,823,926.4099m	522,273.2824m	3+040.00	3,824,383.6505m	522,470.7299m	3+540.00	3,824,791.4247m	522,709.1169m
2+560.00	3,823,943.5577m	522,283.3627m	3+060.00	3,824,402.8525m	522,476.3230m	3+560.00	3,824,799.1503m	522,727.5645m
2+580.00	3,823,961.1407m	522,292.6185m	3+080.00	3,824,422.0545m	522,481.9162m			
2+600.00	3,823,978.1024m	522,302.6417m	3+100.00	3,824,441.2565m	522,487.5093m			
2+620.00	3,823,996.8059m	522,309.7254m	3+120.00	3,824,460.4585m	522,493.1024m			
2+640.00	3,824,015.5208m	522,316.7786m	3+140.00	3,824,479.6605m	522,498.6956m			
2+660.00	3,824,034.2772m	522,323.7212m	3+160.00	3,824,498.8625m	522,504.2887m			
2+680.00	3,824,053.0335m	522,330.6638m	3+180.00	3,824,518.0645m	522,509.8818m			