



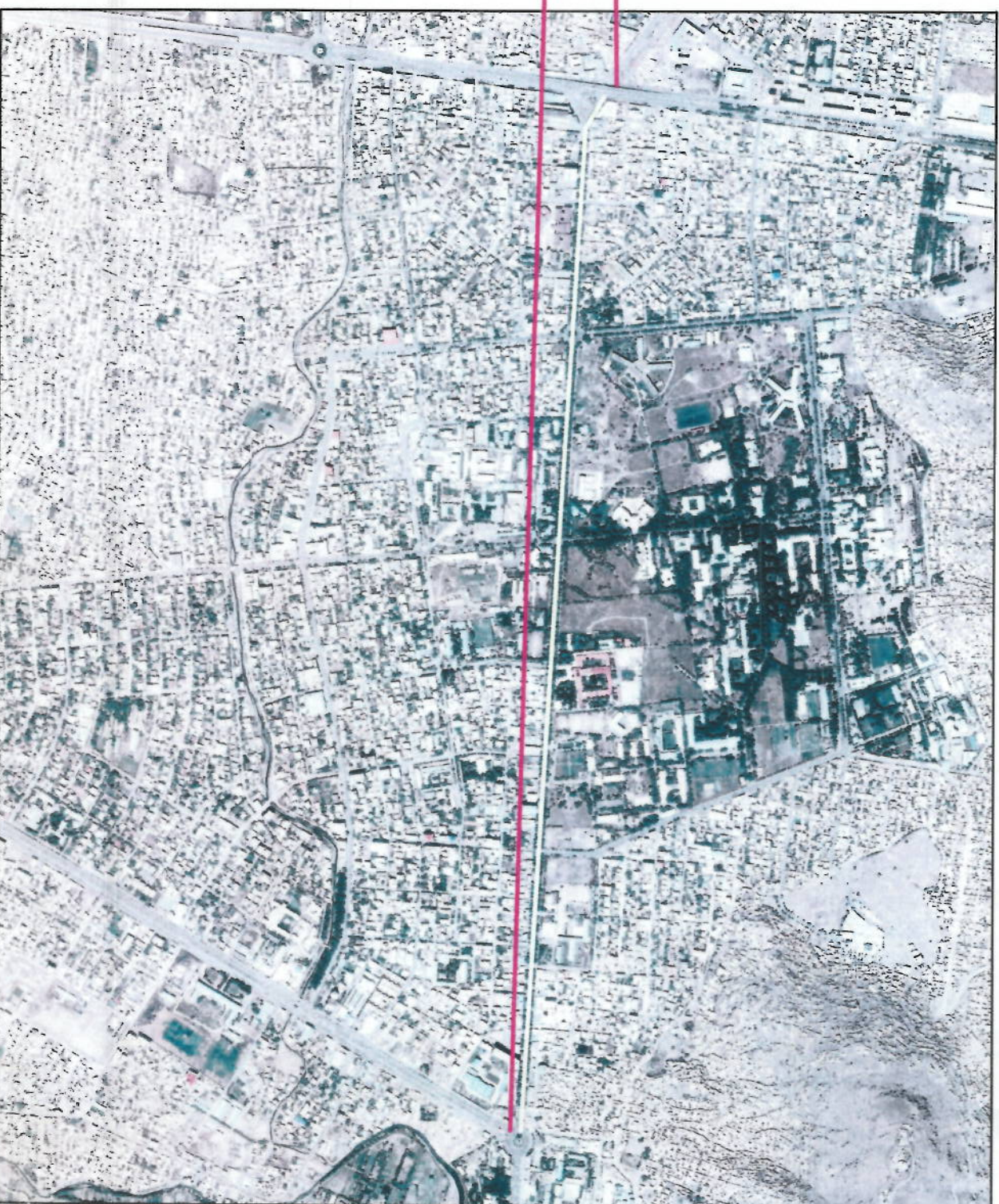
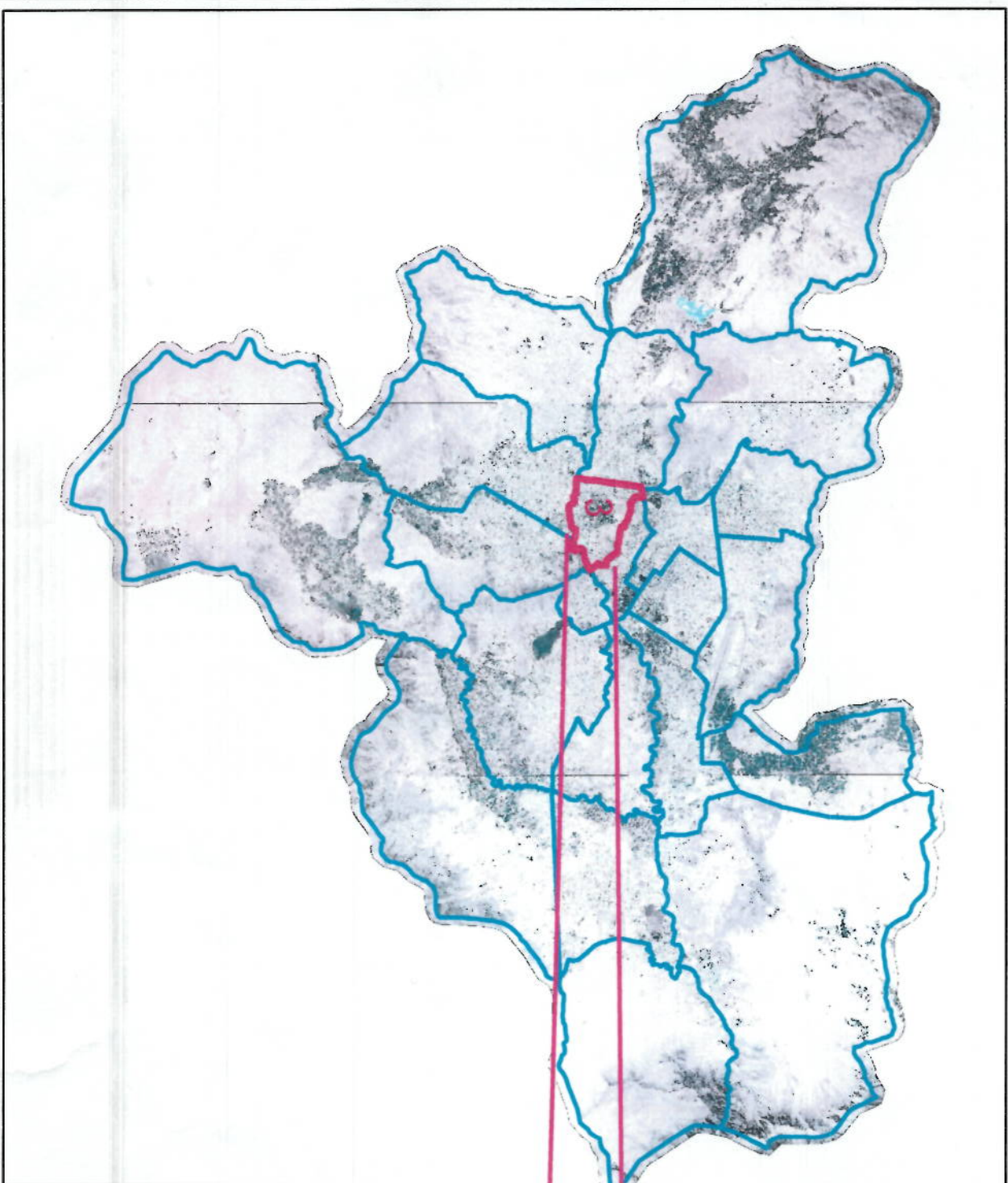
KABUL MUNICIPALITY
URBAN INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT



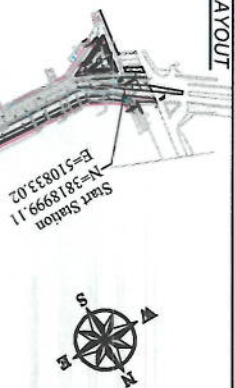
Cot-e-Sangi to Demazng Road Project
پروژه سرک کوته سنگی الی دهمزنگ

LOCATION : 3TH DISTRICT

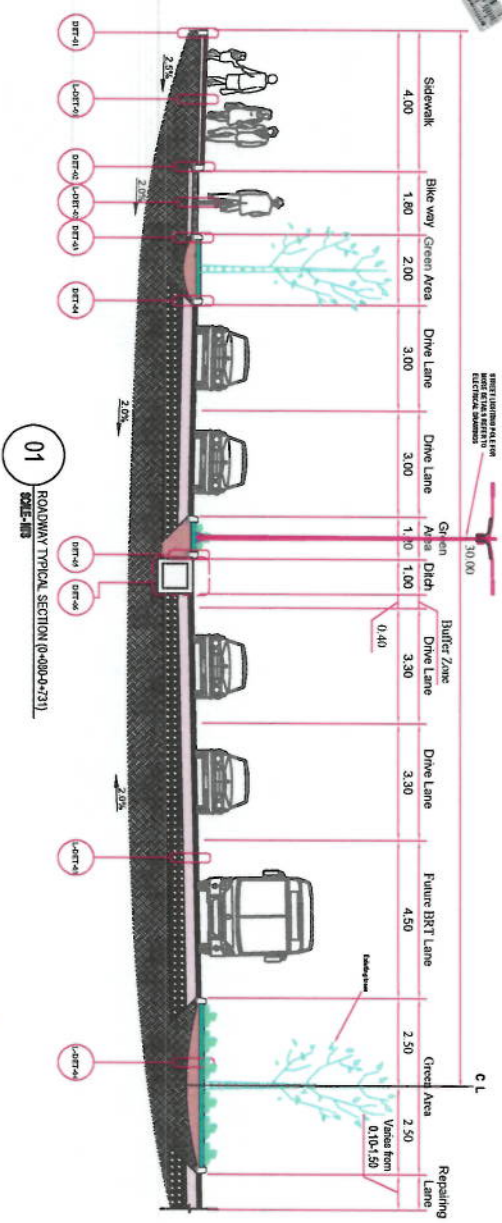
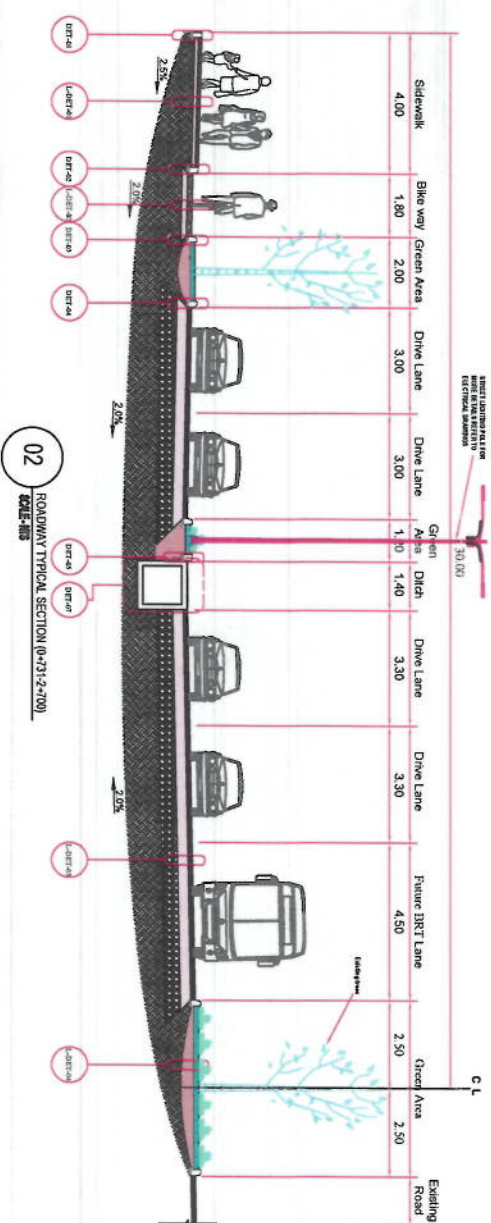
LENGHT : 3226m



DESIGN LAYOUT



Start Station
N=381899.11
E=510833.02



Location : 3th District
Right of Way : 60m,
Length : 3226m
Pavement Type : Asphalt
Cross Section Elements :
Drive way, Side Ditches, Bikeway, Median, Curbstones,
Sidewalks

End Station
N=381873.04
E=514042.81

توضیحات:

- 1- امکان تفکیک پروژه سه سرک کوته سنگی الی دهمزنگ به عرض 60 متر نظریه به پلان پروژه هانی انکشافی بودجه داخلی سال 1402 که تحت نمبر 47 در پلان متکثره ثبت میباشد، ترتیب گردیده است.
- 2- در پلان سرک متکثره به عرض 60 متر در نظر گرفته شده است نظریه به لایه دید مقامات صلاحه شاروالی کابل و کاهش مصارف پروژه، ساختمان هانی سرک موجوده (قسمت موتور و جویهای کلاهی و پیاده رو) در حال حاضر جوی آب گوی نیزماندی هانی فعلی میباشد، لذا فعلا طرف چپ سرک (قسمت توسعه یافته آن) به جز چهارراهی کوته سنگی و دهوری، دیر این گردیده است. تاگفته نباید گذاشت که هر زمانیکه تصمیم به دیر این یا تطبیق طرف راست آن نظر به مقطع عرضی جدید گرفته شود لازم است تا نظر به شرایط موجوده سرک و ساحه، تمامی ساختمان هانی آن (فرش سرک، ابعاد جوی کلاهی و سایر ساختمان ها) مورد بازنگری قرار گیرد.
- 3- از انجاییکه پروژه متکثره در پلان الی چهارراهی دهمزنگ در نظر گرفته شده است برای مدیریت هر چه بهتر ترافیک در سرک متکثره و چهارراهی دهمزنگ بهتر خواهد بود که سرک حد اقل الی نوبت دهمزنگ انکشاف داده شود.
- 4- تمامی منابع همچون کابل های برق، کابل های شبکهات مخابراتی، پلپ های شبکهات ابرسانی، چاه های سفتیک و غیره موانع قبل از شروع پروژه در همافگی با نهادهای مسئول و ناحیه مربوطه از ساحه دوز ساخته شده و ساحه برای تطبیق پروژه آماده گردند.
- 5- تطبیق درخت ها، گل پنه ها و ساحات سبز باید در همافگی با ریاست سرسبزی شاروالی کابل صورت گیرد.

کت شماره ۱۲۴۴ / ۱۱۱۲۲ / ۱۳۴۴ قید رسیدن تاریخ بازنگری ۱۳۴۴

نوت:
امکان تفکیک پروژه هانی از امضای ترسیم کننده، دیر این کننده، ترتیب کننده و منظور ی مقیم محترم شاروالی کابل در این صفحه و همچنین امضا ترسیم کننده، دیر این کننده، ترتیب کننده و منظور ی مقیم محترم شاروالی کابل در این صفحه باید در تمام صفحات بعدی شامل امضا مقیم محترم شاروالی کابل در این صفحه بیان کننده منظور ی تمام صفحات بعدی شامل این بسته امکان تفکیک میباشد.

امور مسافلهای پروژه سه سرک کوته سنگی الی دهمزنگ			
ترسیم کننده	محمد عباسی سبوت	امضا	
دیر این کننده	عبداللہ سبوت	امضا	
تایید کننده	محمد عباسی سبوت	امضا	
تایید کننده	عبداللہ سبوت	امضا	
تایید کننده	محمد عباسی سبوت	امضا	
تایید کننده	عبداللہ سبوت	امضا	
تایید کننده	محمد عباسی سبوت	امضا	
تایید کننده	عبداللہ سبوت	امضا	



مظدر است
محمد عباسی سبوت
مظدر است

تایید کننده:
عبداللہ سبوت
مظدر است



ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

No. Confidential		Report	
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DATE	REVISION DETAILS	DRAWN
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ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY: KABILI MUNICIPALITY

14

PROJECT NAME:

UP TO KOTASANGI BRIDGE

DRAWING TITLE:

UP TO KOTASANGI BRIDGE

20

ENG: ABDULLAH

ENG:ABDUL AHMAD	
SURVEYED BY:	

1. NAME OF THE COMPANY 2. ADDRESS 3. CITY 4. STATE 5. ZIP 6. PHONE 7. FAX 8. E-MAIL 9. WEBSITE 10. INDUSTRY 11. PRODUCTS 12. SERVICES 13. MARKETING STRATEGY 14. FINANCIAL STATEMENTS 15. OTHER INFORMATION	16. DATE OF SUBMISSION 17. SIGNATURE 18. PRINTED NAME 19. TITLE 20. COMPANY 21. ADDRESS 22. CITY 23. STATE 24. ZIP 25. PHONE 26. FAX 27. E-MAIL 28. WEBSITE 29. INDUSTRY 30. PRODUCTS 31. SERVICES 32. MARKETING STRATEGY 33. FINANCIAL STATEMENTS 34. OTHER INFORMATION
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NAME: SAYED ATIQ

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ТОПОГІБ А БІЛІС СІП'ЯЧЬ

PROJECT CODE:

DRAWING #:

ENIG:AMKEDBVLZLXHP

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61	PL	High Voltage Pole		
62	Asphalt Road			

SURVEYED BY:

 KABUL MUNICIPALITY
 SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING TITLE:

SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

SURVEYED BY: ENG. K. KHEMIEEN ENG. A. BOLLER	
SURVEYED BY: ENG. AHMAD JASHEED ENG. ABDUL AMAD	
SURVEYED BY: ENG. HASRULLAH ENG. NAWATI LAH	
HEAD OF SURVEY: ENG. SAYED ATIQ	

DATE:	SCALE: 1:1000
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TOPOGRAPHIC SURVEY

PROJECT CODE:

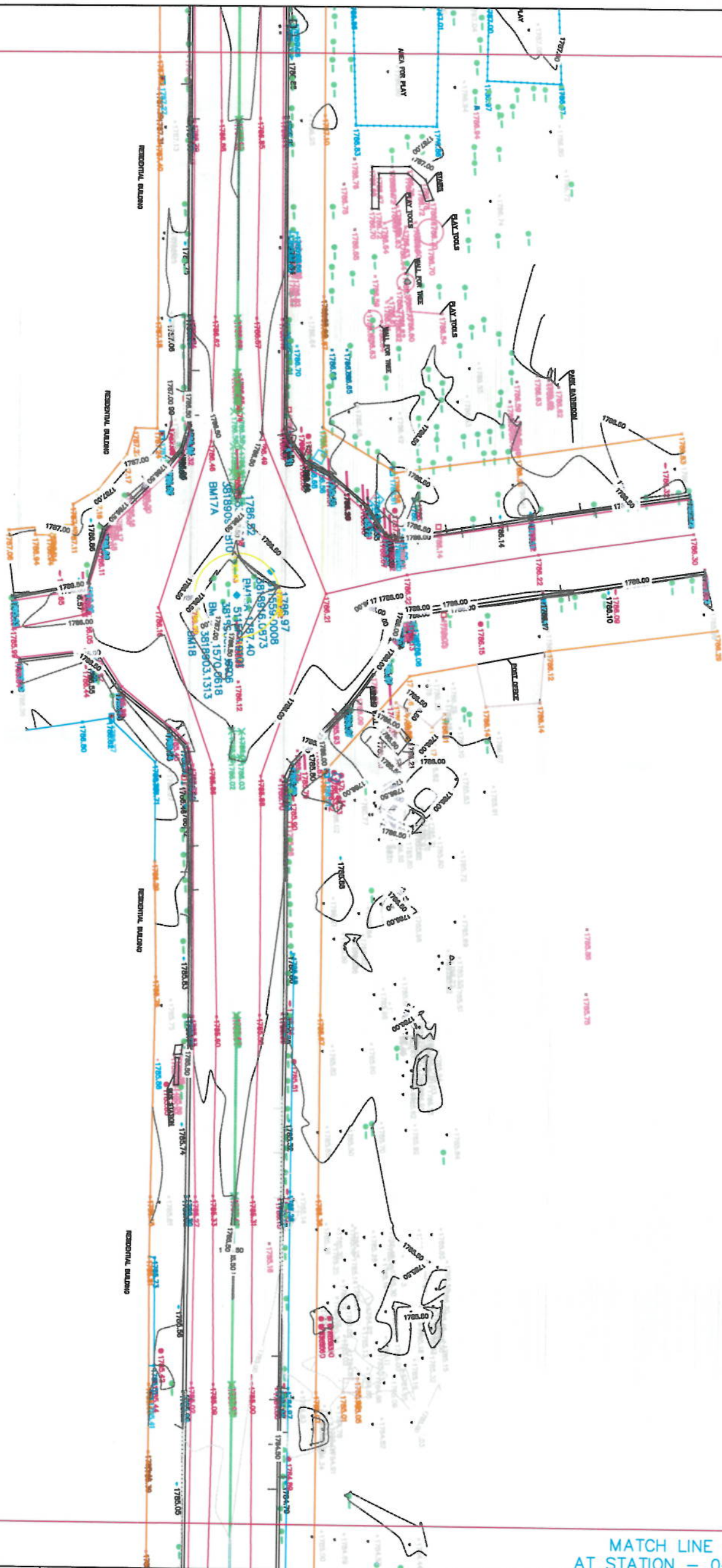
DRAWING #:

2

AT STATION - 0+329.00
PREVIOUS SHEET NUMBER - 1



AT STATION - 0+658.00
PREVIOUS SHEET NUMBER - 2

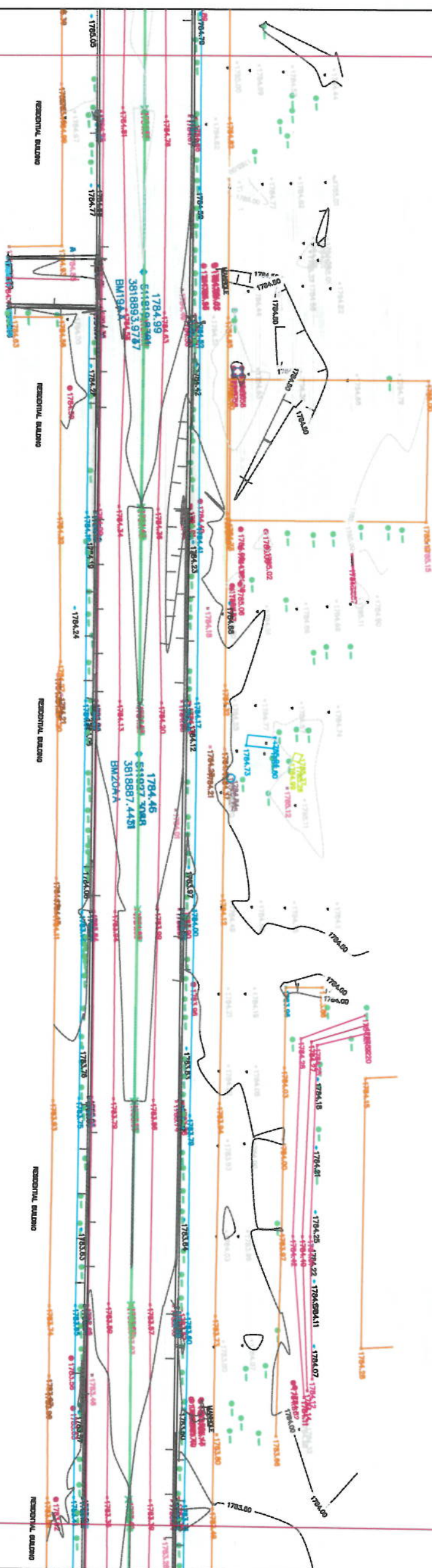


MATCH LINE - 3
AT STATION - 0+987.00



<p>PROJECT NAME: SURVEY FROM DAMAZANG SQUIRE UP TO KOTASANGI BRIDGE</p>		<p>DATE: _____</p>													
<p>DRAWING TITLE: SURVEY FROM DAMAZANG SQUIRE UP TO KOTASANGI BRIDGE</p>		<p>REVISION DETAILS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initial Survey</td> <td>2023/01/15</td> </tr> <tr> <td>2</td> <td>Topographic Survey</td> <td>2023/02/10</td> </tr> <tr> <td>3</td> <td>Final Survey</td> <td>2023/03/05</td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	1	Initial Survey	2023/01/15	2	Topographic Survey	2023/02/10	3	Final Survey	2023/03/05
NO.	DESCRIPTION	DATE													
1	Initial Survey	2023/01/15													
2	Topographic Survey	2023/02/10													
3	Final Survey	2023/03/05													
<p>STATUS: TOPOGRAPHIC SURVEY</p>		<p>PROJECT CODE: 3</p>													
<p>DATE: _____</p>		<p>SCALE: 1:1000</p>													
<p>HEAD OF SURVEY: [Signature]</p>		<p>DATE: _____</p>													
<p>PROJECT CODE: 3</p>		<p>DATE: _____</p>													

AT STATION - 0+987.00
PREVIOUS SHEET NUMBER - 3



MATCH LINE - 4
AT STATION - 1+316.00

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE INDICATED

NO	CODE	NAME	UNIT	LEVEL
1	1001	Mathematics	Mathematics	1001
2	1002	Physics	Physics	1002
3	1003	Chemistry	Chemistry	1003
4	1004	English	English	1004
5	1005	History	History	1005
6	1006	Geography	Geography	1006
7	1007	Art	Art	1007
8	1008	Music	Music	1008
9	1009	Physical Education	Physical Education	1009
10	1010	Health Education	Health Education	1010
11	1011	Life Science	Life Science	1011
12	1012	Earth Science	Earth Science	1012
13	1013	Space Science	Space Science	1013
14	1014	Computer Science	Computer Science	1014
15	1015	Information Technology	Information Technology	1015
16	1016	Mathematics	Mathematics	1016
17	1017	Physics	Physics	1017
18	1018	Chemistry	Chemistry	1018
19	1019	English	English	1019
20	1020	History	History	1020
21	1021	Geography	Geography	1021
22	1022	Art	Art	1022
23	1023	Music	Music	1023
24	1024	Physical Education	Physical Education	1024
25	1025	Health Education	Health Education	1025
26	1026	Life Science	Life Science	1026
27	1027	Earth Science	Earth Science	1027
28	1028	Space Science	Space Science	1028
29	1029	Computer Science	Computer Science	1029
30	1030	Information Technology	Information Technology	1030
31	1031	Mathematics	Mathematics	1031
32	1032	Physics	Physics	1032
33	1033	Chemistry	Chemistry	1033
34	1034	English	English	1034
35	1035	History	History	1035
36	1036	Geography	Geography	1036
37	1037	Art	Art	1037
38	1038	Music	Music	1038
39	1039	Physical Education	Physical Education	1039
40	1040	Health Education	Health Education	1040
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42	1042	Earth Science	Earth Science	1042
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63	1063	Chemistry	Chemistry	1063
64	1064	English	English	1064
65	1065	History	History	1065
66	1066	Geography	Geography	1066
67	1067	Art	Art	1067
68	1068	Music	Music	1068
69	1069	Physical Education	Physical Education	1069
70	1070	Health Education	Health Education	1070
71	1071	Life Science	Life Science	1071
72	1072	Earth Science	Earth Science	1072
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77	1077	Physics	Physics	1077
78	1078	Chemistry	Chemistry	1078
79	1079	English	English	1079
80	1080	History	History	1080
81	1081			


DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE
AFGHANISTAN

KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING TITLE:
SURVEY FROM DAMAZANG SQUARE
UP TO KOTASANGI BRIDGE

<p>SURVEYED BY: ENGG.ARIKREINDEBN ENGG.ABDULLAH</p>	
<p>SURVEYED BY: ENGG.AHMAD JAMSHID ENGG.ABDUL AHMAD</p>	
<p>SURVEYED BY: ENGG.HASEEDULLAH ENGG.NAMATULLAH</p>	

DATE:	SCALE: 1:1000
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TOPOGRAPHIC SURVEY

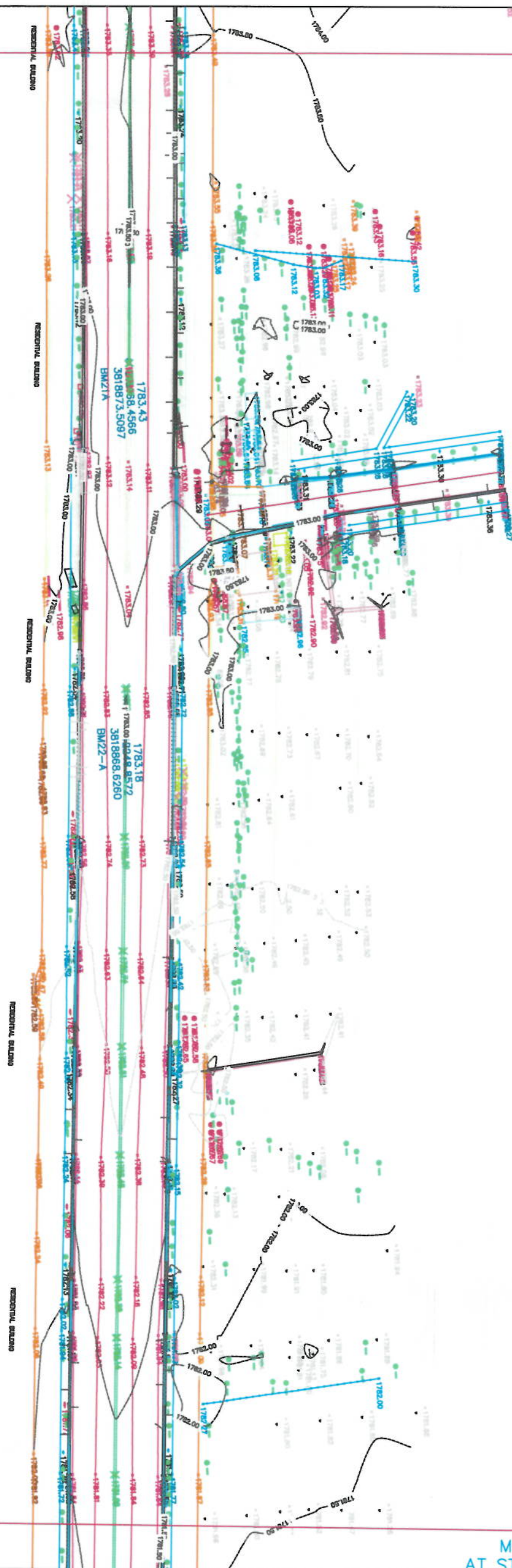
PROJECT CODE:

DRAWING #:

4



AT STATION - 1+316.00
PREVIOUS SHEET NUMBER - 4



MATCH LINE - 5
AT STATION - 1+645.00

NOTE: ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

Sl. No.	Material	Quantity	Unit	Remarks
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2	1000	1000	kg	1000
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4	1000	1000	kg	1000
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ISLAMIC EMIRATE OF
AFGHANISTAN

KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

**SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE**

SURVEYED BY:
ENG:AKREMEEDEN
ENG:ABDULLAH

SURVEYED BY:
ENG: ABDUL AJMAD
ENG: HASSEBRI LAL

HEAD OF SURVEY:
ENGR. SAYED ATTQ

DATE:	SCALE: 1:1000
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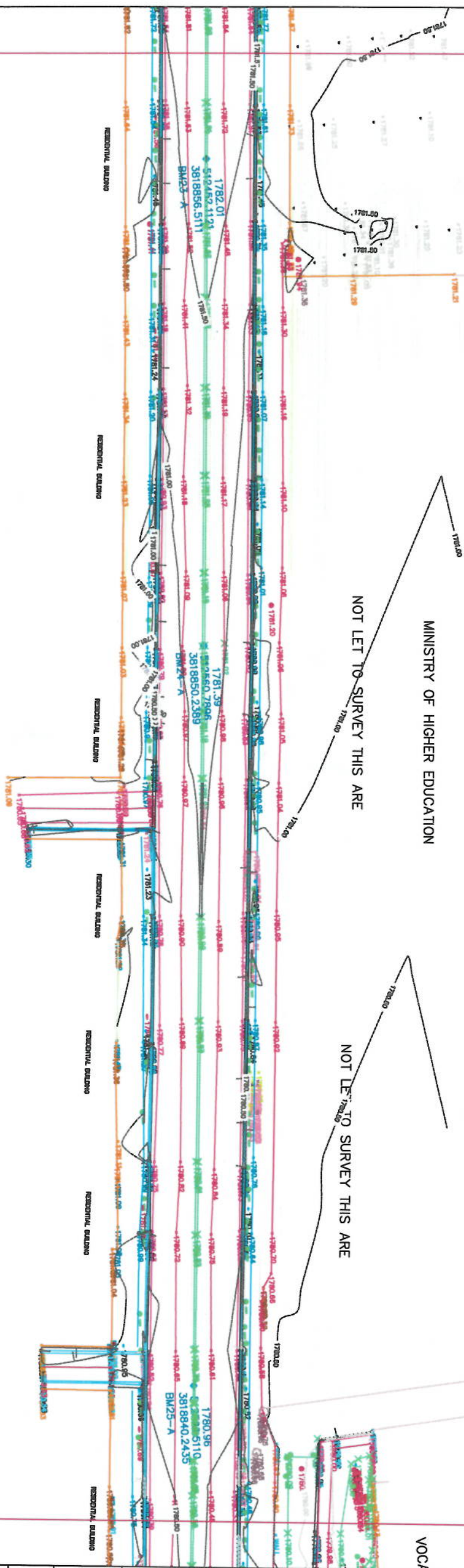
STATUS:	
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PROJECT CODE:

5



AT STATION - 1+645.00
PREVIOUS SHEET NUMBER - 5



MATCH LINE - 6
AT STATION - 1+974.00

VOCAL

NOTE: ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

NO	REVISION	DATE	BY	CHKD
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2	2	1/1/2008	KABUL MUNICIPALITY SURVEY TEAM	
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SURVEYED BY: ISLAMIC EMBRAT OF AFGHANISTAN
KABUL MUNICIPALITY SURVEY TEAM

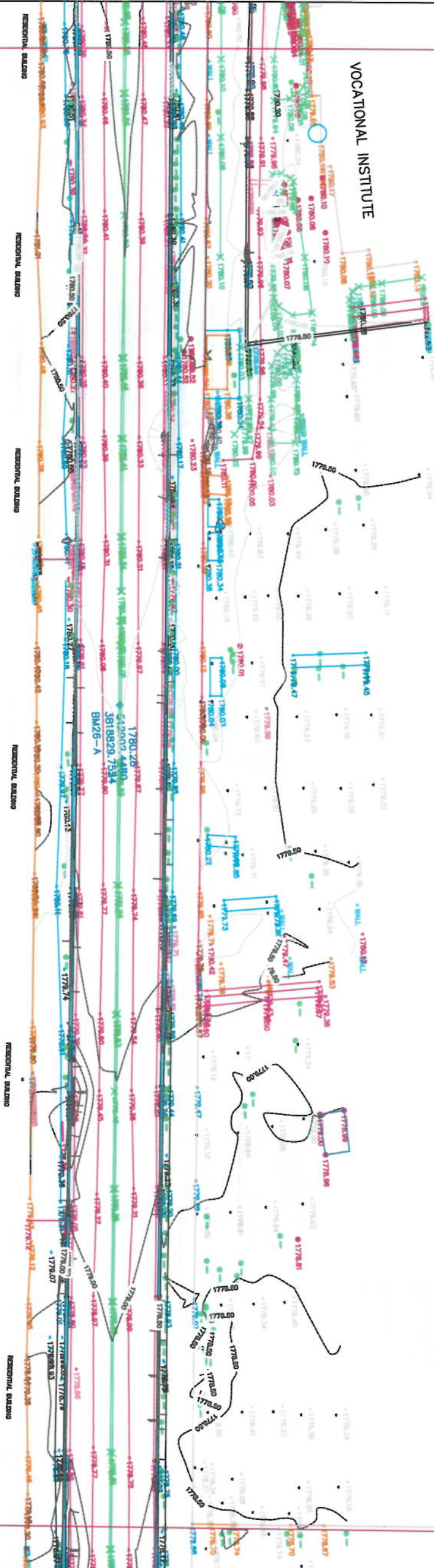
PROJECT NAME: SURVEY FROM DAMAZANG SQUIRE UP TO KOTASANGI BRIDGE
DRAWING TITLE: SURVEY FROM DAMAZANG SQUIRE UP TO KOTASANGI BRIDGE

SURVEYED BY: [Signature]
SURVEYED BY: [Signature]
SURVEYED BY: [Signature]
HEAD OF SURVEY: [Signature]
DATE: [Signature]
SCALE: 1:1000

STATUS: TOPOGRAPHIC SURVEY
PROJECT CODE: [Blank]
DRAWING #: 6

AT STATION - 1+974.00
PREVIOUS SHEET NUMBER - 6

VOCATIONAL INSTITUTE



MATCH LINE - 7
AT STATION - 2+303.00



NOTE: ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

NO.	SYMBOL	DESCRIPTION
1	[Symbol]	Spot Elevation
2	[Symbol]	Water Level
3	[Symbol]	Water Level
4	[Symbol]	Water Level
5	[Symbol]	Water Level
6	[Symbol]	Water Level
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47	[Symbol]	Water Level
48	[Symbol]	Water Level
49	[Symbol]	Water Level
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ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY SURVEY TEAM

SURVEYED BY: [Signature]
ENGINEER

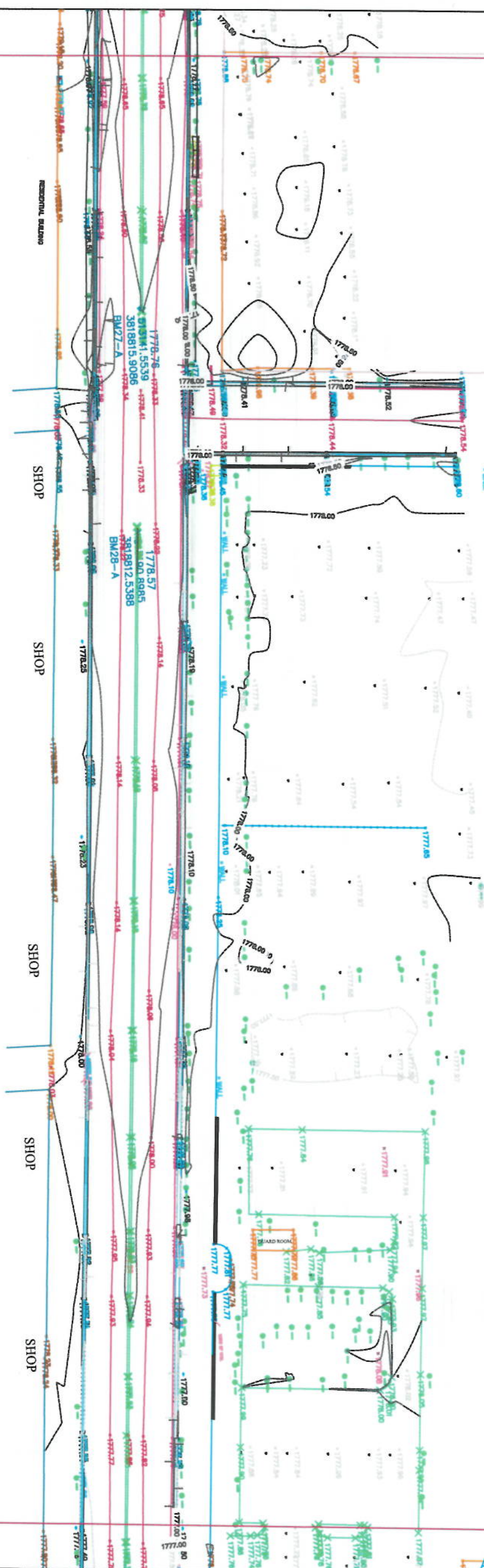
DATE: [Date]
SCALE: 1:1000

STATUS: [Status]
TOPOGRAPHIC SURVEY

PROJECT CODE: [Code]

DRAWING #: 7

AT STATION - 2+303.00
PREVIOUS SHEET NUMBER - 7



GHAZI HIGH SCHOOL

MATCH LINE - 8
AT STATION - 2+632.00

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE INDICATED

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ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING FILE:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

SURVEYED BY:
ENG:AKREMEEDIN
ENG:ABDILLAH

ENG.AHMAD JAMSHID
ENG.ABDUL AHMAD
SURVEYED BY:
ENG.HA. SHERIFF AID

HEAD OF SURVEY:
ENG. SAYED ATTQ

DATE: SCALE: 1:1000

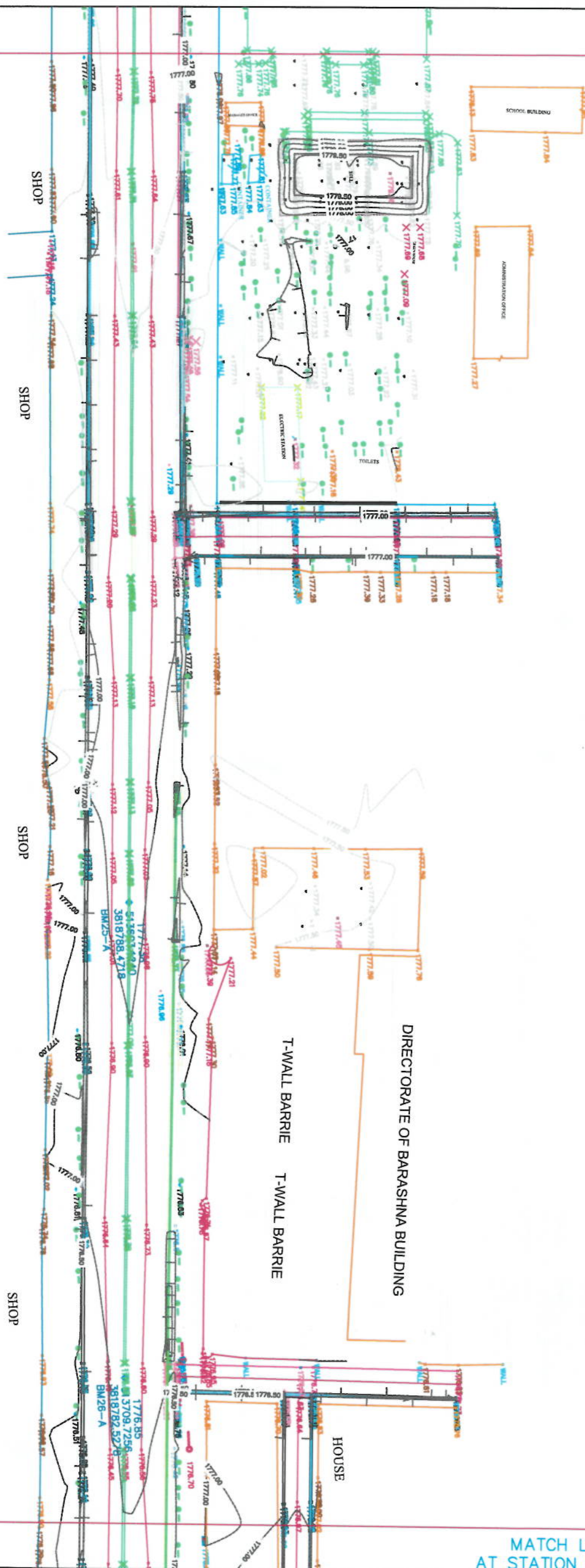
STATUS:	
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PROJECT CODE:

8



AT STATION - 2+632.00
PREVIOUS SHEET NUMBER - 8



MATCH LINE - 9
AT STATION - 2+961.00

NOTE: ALL DIMENSIONS ARE IN METERS.
UNLESS OTHERWISE INDICATED

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21	21. H.R. 1000	1000	21. H.R. 1000	1000
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24	24. H.R. 1000	1000	24. H.R. 1000	1000
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59	59. H.R. 1000	1000	59. H.R. 1000	

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING TITLE:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

SURVEYED BY: ENG AKREKHEDIN ENG ABOLLAH	
SURVEYED BY: ENG JUSRI ENG ARDIA JASUD ENG ARDIA JASUD	
SURVEYED BY: ENG HASRERILAH ENG NAWATIULAH	
HEAD OF SURVEY: ENG. SAYED ATIQ	

DATE:	SCALE: 1:1000
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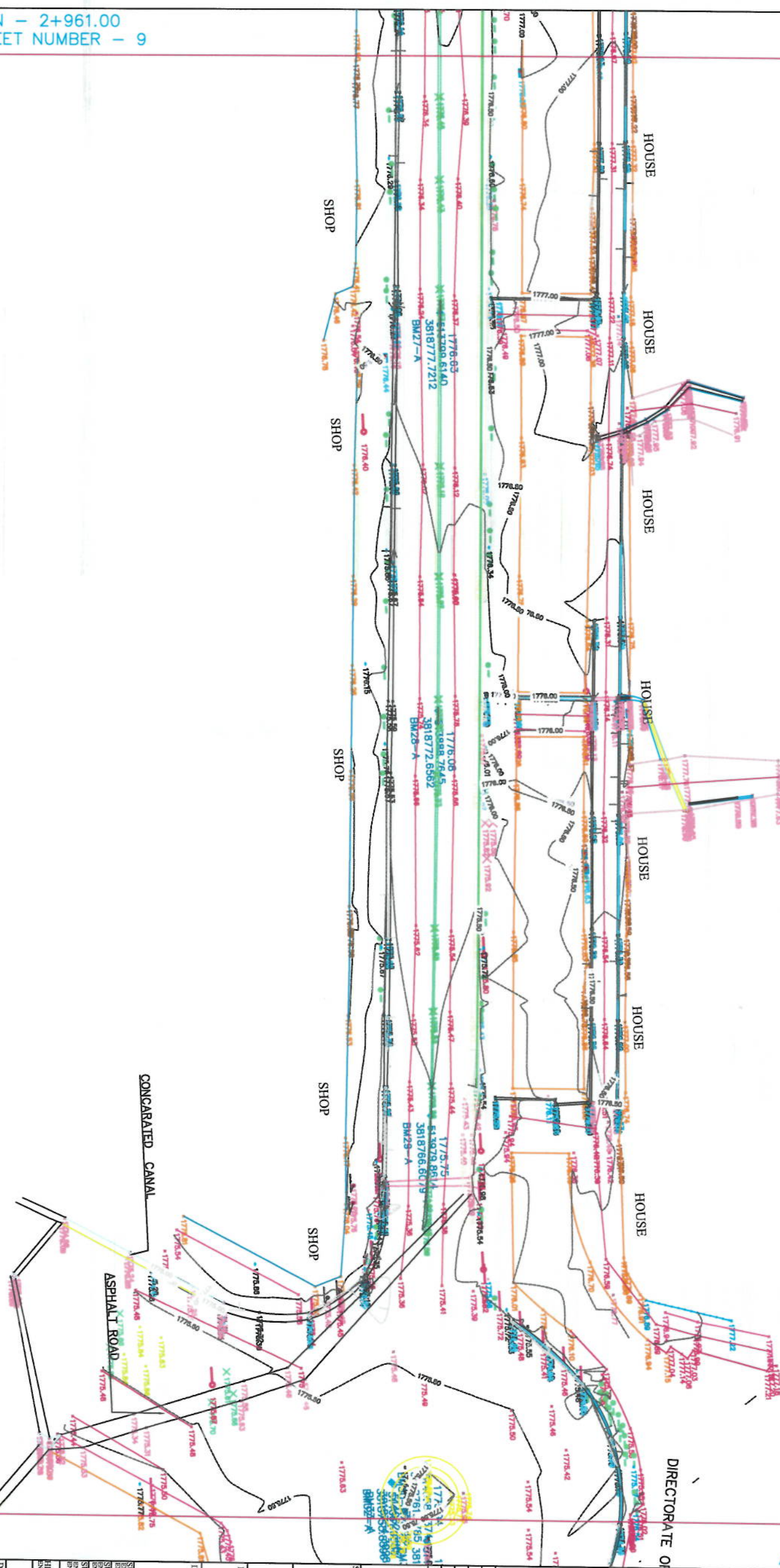
TOPOGRAPHIC SURVEY

PROJECT CODE:

DRAWING #:

ENG:ALMABZALMHPD

AT STATION - 2+961.00
PREVIOUS SHEET NUMBER - 9



MATCH LINE - 10
AT STATION - 3+290.00

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE INDICATED

No.	Component	Material	Module
1	PCB	FR-4	PCB
2	IC	Microcontroller	MCU
3	IC	Memory	RAM
4	IC	Flash	Flash
5	IC	EEPROM	EEPROM
6	IC	ADC	ADC
7	IC	DAC	DAC
8	IC	Op-Amp	Op-Amp
9	IC	Comparator	Comparator
10	IC	Relay	Relay
11	IC	Transistor	Transistor
12	IC	Diode	Diode
13	IC	LED	LED
14	IC	IR LED	IR LED
15	IC	IR Receiver	IR Receiver
16	IC	IR Transmitter	IR Transmitter
17	IC	IR Detector	IR Detector
18	IC	IR Emitter	IR Emitter
19	IC	IR Receiver	IR Receiver
20	IC	IR Transmitter	IR Transmitter
21	IC	IR Detector	IR Detector
22	IC	IR Emitter	IR Emitter
23	IC	IR Receiver	IR Receiver
24	IC	IR Transmitter	IR Transmitter
25	IC	IR Detector	IR Detector
26	IC	IR Emitter	IR Emitter
27	IC	IR Receiver	IR Receiver
28	IC	IR Transmitter	IR Transmitter
29	IC	IR Detector	IR Detector
30	IC	IR Emitter	IR Emitter
31	IC	IR Receiver	IR Receiver
32	IC	IR Transmitter	IR Transmitter
33	IC	IR Detector	IR Detector
34	IC	IR Emitter	IR Emitter
35	IC	IR Receiver	IR Receiver
36	IC	IR Transmitter	IR Transmitter
37	IC	IR Detector	IR Detector
38	IC	IR Emitter	IR Emitter
39	IC	IR Receiver	IR Receiver
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41	IC	IR Detector	IR Detector
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97	IC	IR Detector	IR Detector
98	IC	IR Emitter	IR Emitter
99	IC	IR Receiver	IR Receiver
100	IC	IR Transmitter	IR Transmitter

[illegible]ISLAMIC EMIRATE OF
AFGHANISTAN


SURVEYED BY:
KABUL MUNICIPALITY
SUBURB TEAM

PROJECT NAME:




SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING TITLE:

UP TO KOTASANGI BRIDGE
 SURVEY FROM DAMAZANG SQUIRE

SURVEYED BY: 

ENG:AKKEMEEDEN ENG:ABDULLAH	
SURVEYED BY: ENG:AKKEMEEDEN	

ENG: ABDUL JAMSHID	
ENG: ABDUL AHMAD	
SURVEYED BY:	
ENG: HASEERULLAH	

ENG: NAMATULLAH

HEAD OF SURVEY;
ENG. SAYED ATIQ

DATE:	SCALE: 1:1000
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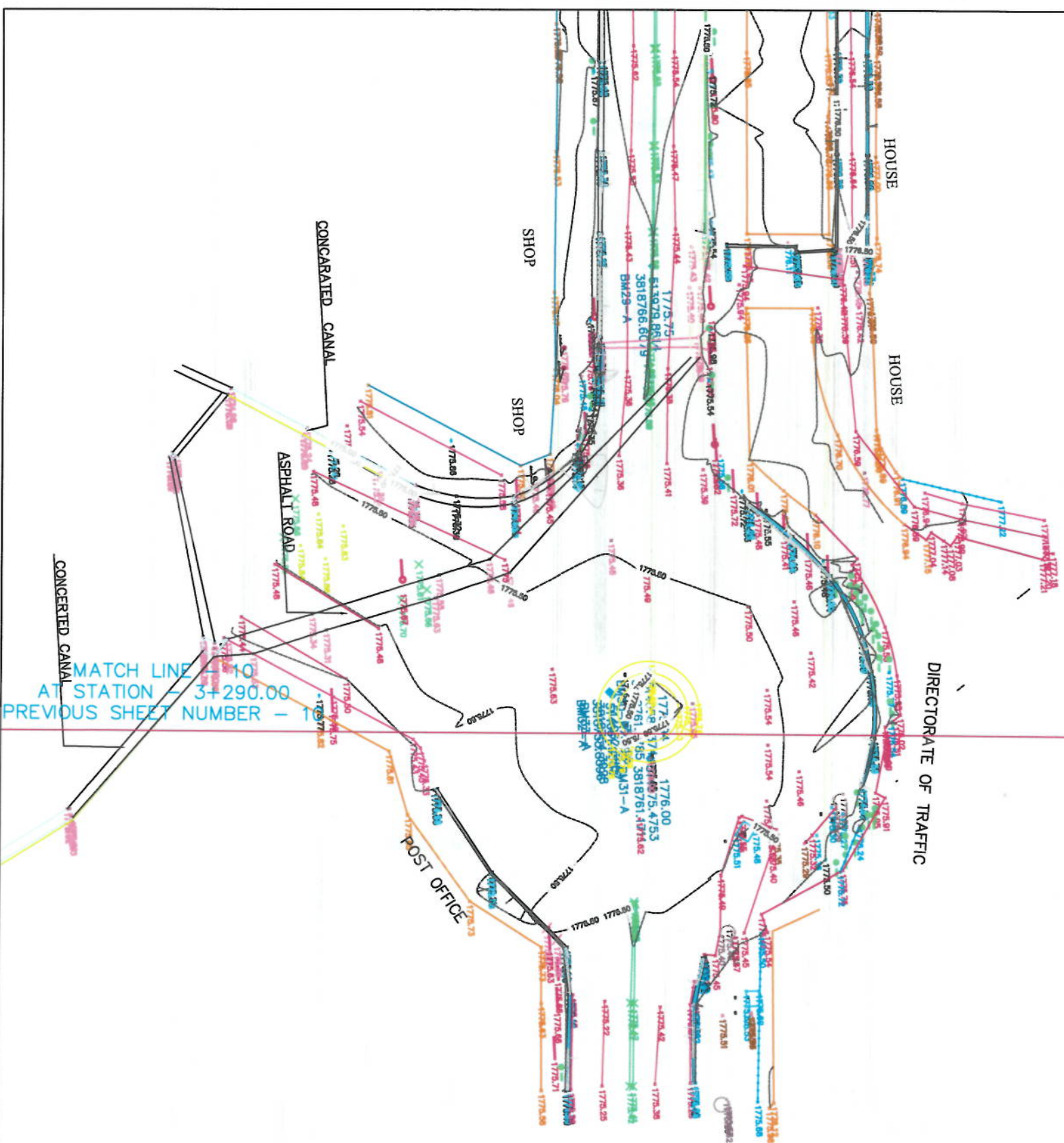
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STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE:

DRAWING #:	REV. 001
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9



NOTE: ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

No.		CODE	NAME	PRELIM
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4	4	400	400	
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82	82	8200	8200	
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84	84	8400	8400	
85	85	8500	8500	

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY FROM DAMAZANG SQUIRE
UP TO KOTASANGI BRIDGE

DRAWING TITLE:
SURVEY FROM DAMAZANG SQUARE
UP TO KOTASANGI BRIDGE

SURVEYED BY: ENG. A. REKHEDIN ENG. ABDULLAH	
SURVEYED BY: ENG. AHMAD JAMSID ENG. ABDUL AHMAD	
SURVEYED BY: ENG. ASRIYATI ENG. NURULILAH	
SURVEYED BY: ENG. NURULILAH ENG. NURATULAH	

HEAD OF SURVEY:
ENG: SAYED ATTQ

DATE:	SCALE: 1:
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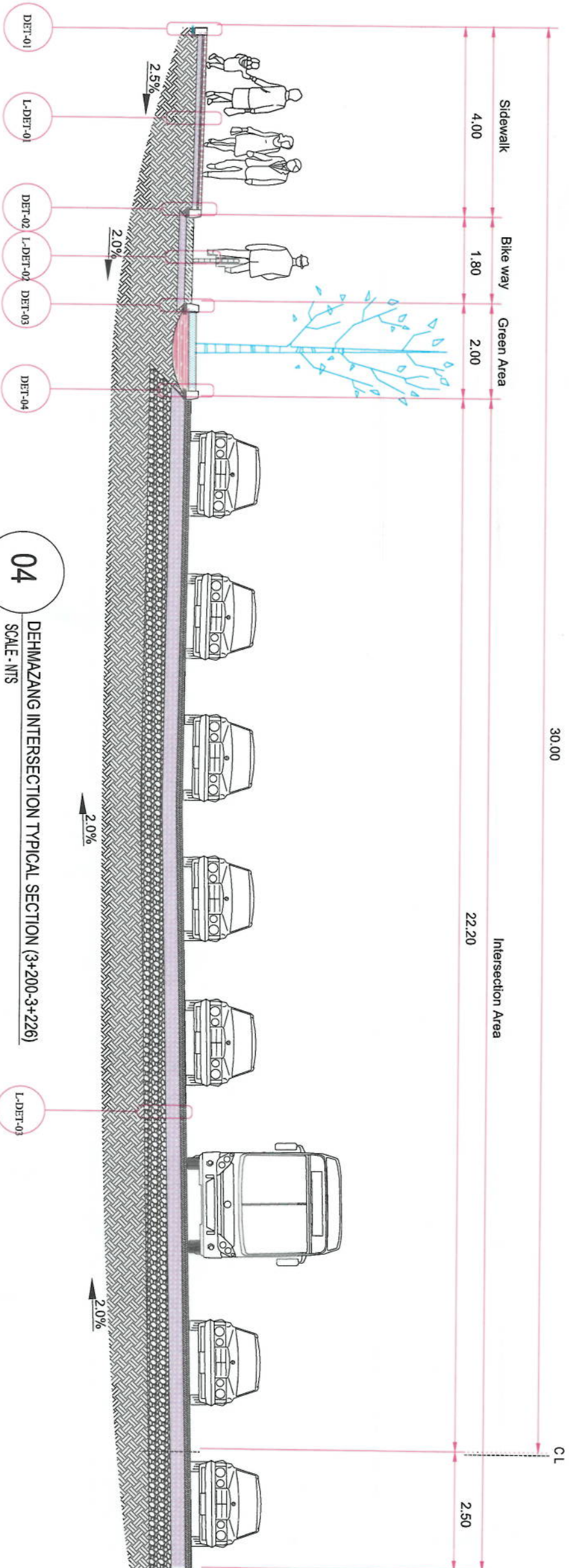
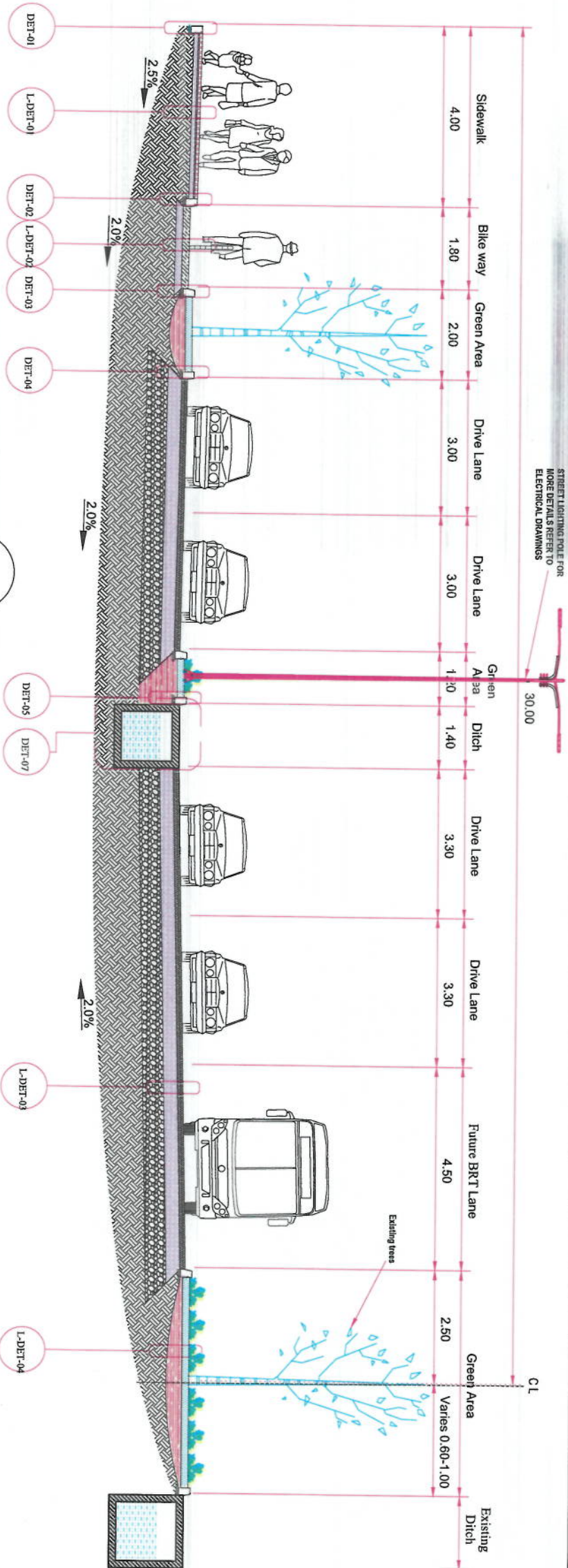
STATUS:

PROJECT CODE:

DRAWING #:



STREET LIGHTING POLE FOR
MORE DETAILS REFER TO
ELECTRICAL DRAWINGS



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



Rev.	Date	Revision Details	Drawn	Check	Appr.

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Care-Sungli to Dehmazang road project

Drawing Title:

TYPICAL CROSS SECTION

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

Date:

06-06-2023

Scale:

1:200

Status:

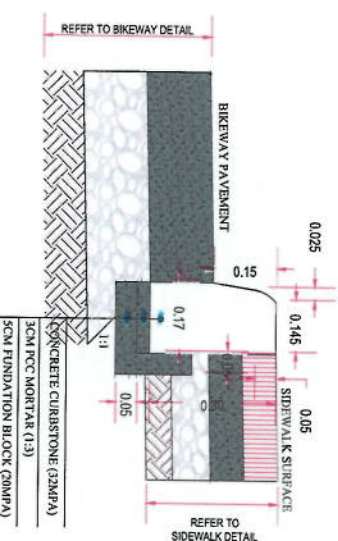
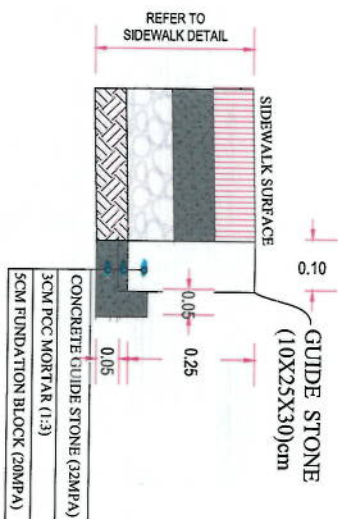
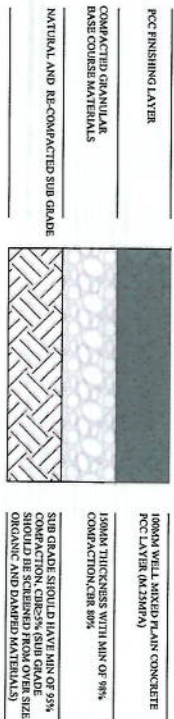
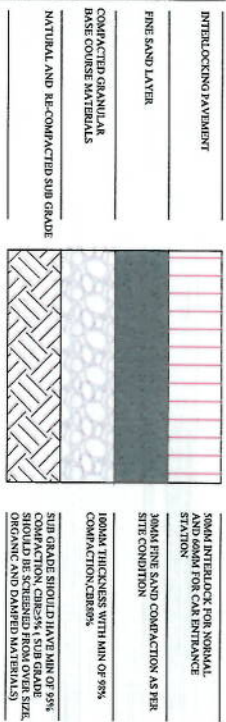
FINAL DESIGN

Project Code:

TCS-02

Drawing Number:

00

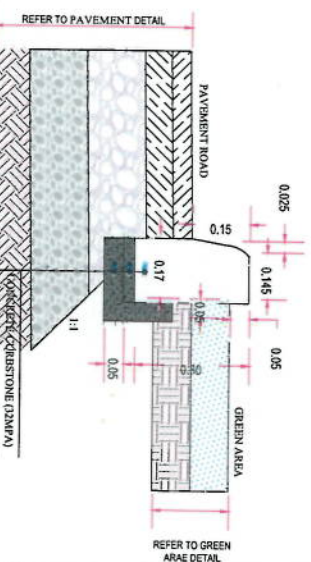
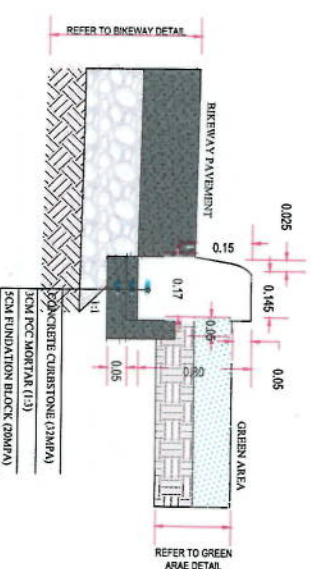
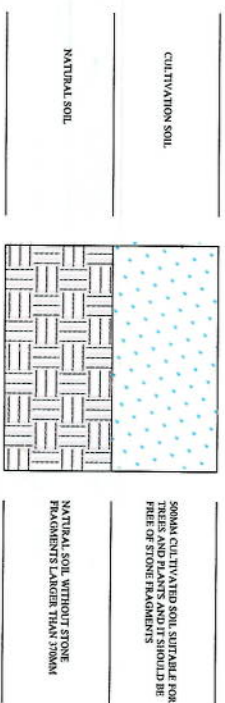
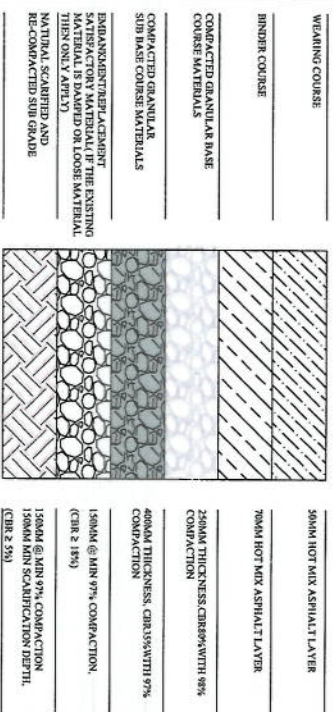


L-DET-01 SIDEWALK MATERIAL DETAIL SCALE: NTS

L-DET-02 BIKEWAY MATERIAL DETAIL SCALE: NTS

DET-01 GUIDE STONE DETAIL AT EDGE OF SIDEWALK SCALE: NTS

DET-02 CURB STONE DETAIL BETWEEN SIDEWALK AND BIKEWAY SCALE: NTS

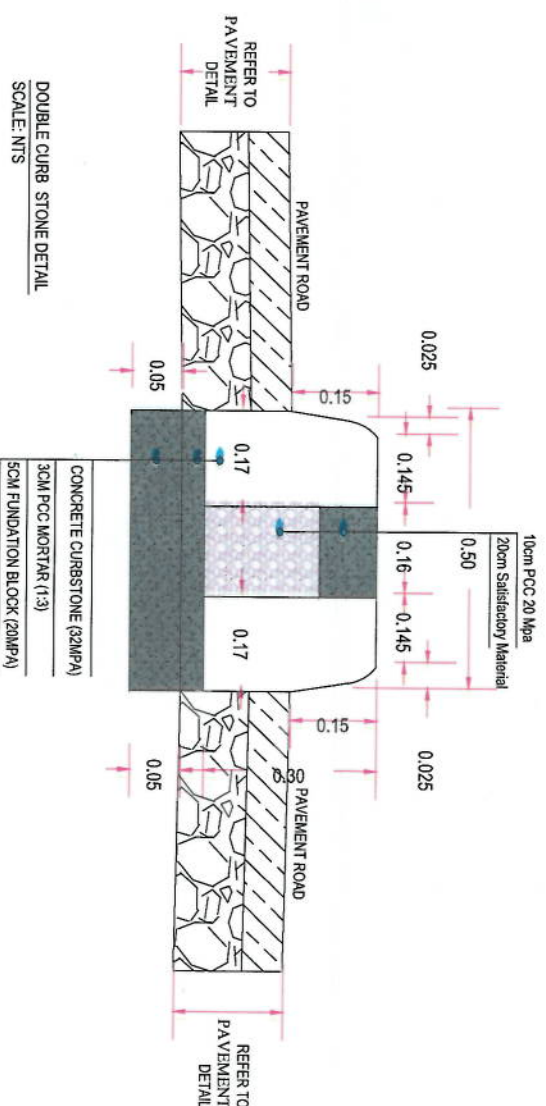
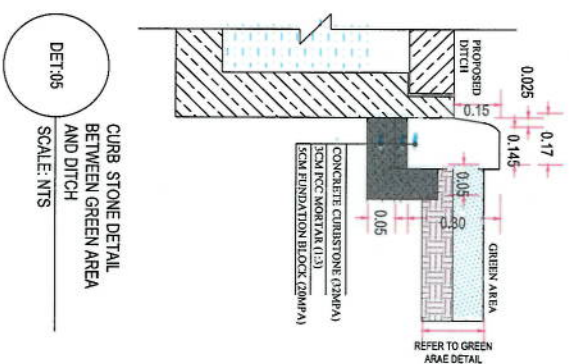


L-DET-03 ROAD MATERIAL SECTION SCALE: NTS

L-DET-04 GREEN AREAS MATERIAL DETAIL SCALE: NTS

DET-03 CURB STONE DETAIL BETWEEN GREEN AREA AND BIKEWAY SCALE: NTS

DET-04 CURB STONE DETAIL BETWEEN GREEN AREA AND PAVEMENT ROAD SCALE: NTS



- NOTE:
- REPLACED AND EMBANKMENT MATERIAL:
- REPLACED OR EMBANKMENT MATERIAL SHALL CONSIST OF SELECT GRANULAR OR SATISFACTORY MATERIAL AND SHALL CONFORM TO SECTION 2, PARAGRAPH 205 OF CONSTRUCTION SPECIFICATION.
 - REPLACED OR EMBANKMENT LAYER SHALL BE COMPACTED TO A MIN 9% LABORATORY MAXIMUM DRY DENSITY WITH OMC TOLERANCE OF $\pm 2\%$ WHEN TESTED IN ACCORDANCE WITH AASHTO T 180 METHOD D AND CORRECTED WITH AASHTO T 224.
 - THE MAXIMUM SIZE OF THESE MATERIAL SHALL BE LIMITED TO 75MM AS DEFINED BY THE TECHNICAL SPECIFICATION.
 - IF DURING SUBGRADE PREPARATION FACED WITH NON-SUITABLE MATERIAL, IT SHALL BE REMOVED AND REPLACED WITH SATISFACTORY OR SELECTED GRANULAR MATERIAL.

NOTE:

1-OPENINGS SHOULD BE CONSIDERED IN GREEN AREAS AT EACH 15M AND SHOULD BE ADJUSTED IN FRONT OF PRECAST SLAB OF MAIN ROAD, ALSO THE LAYERS OF OPENINGS SHOULD BE APPLIED AS THE BIKEWAY LAYERS.

2-THE MINIMUM CBR FOR SUB BASE LAYER HAS BEEN 25% IN KM TECHNICAL SPECIFICATION FOR URBAN STREETS,BUT AS PER THE PAVEMENT DESIGN THE REQUIRED CBR OF 35 % SHOULD BE APPLIED TO SUB BASE LAYER.

Project Name: Coe-Sung to Dalmazang road project

Designed By: Islamic Emirate of Afghanistan

Drawn By: Moshajir Rahman

Designed By: Moshajir Rahman

Checked By: Mohammad Eisa Srai

Reviewed By: Habibullah Shahidi

Date: 06-06-2023

Scale: 1:200

Status: FINAL DESIGN

Project Code: Details-01

Revision: 00

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



Rev	Date	Revision Details	Drawn	Checked	Approved

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Cot-e-Sung to Dehmanzang road project

Drawing Title:

Entrance Detail-01

Drawn:	Signature:
Designed:	Signature:
Checked:	Signature:

Date:

Scale:

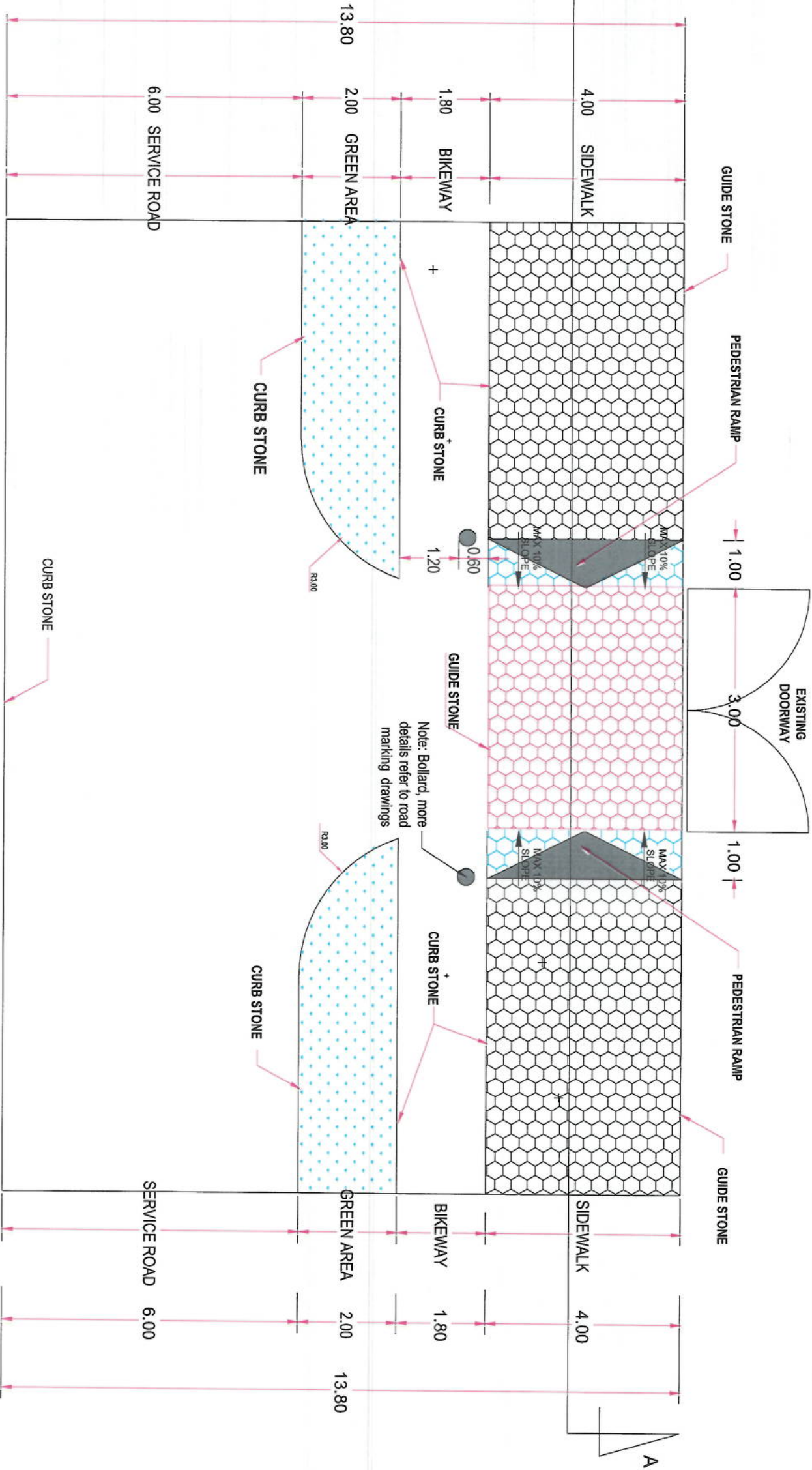
Status: FINAL DESIGN

Project Code

Revision

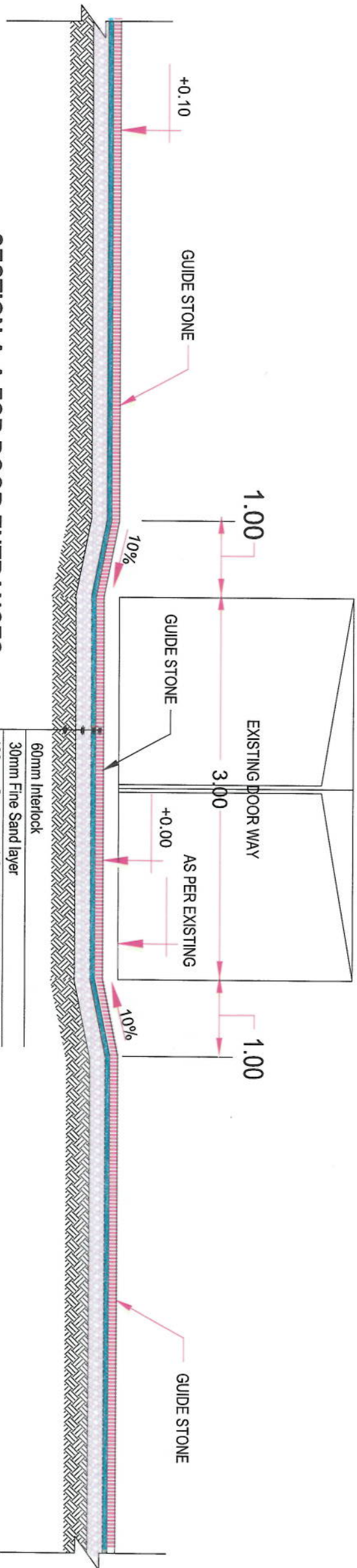
Entrance Detail-01

01

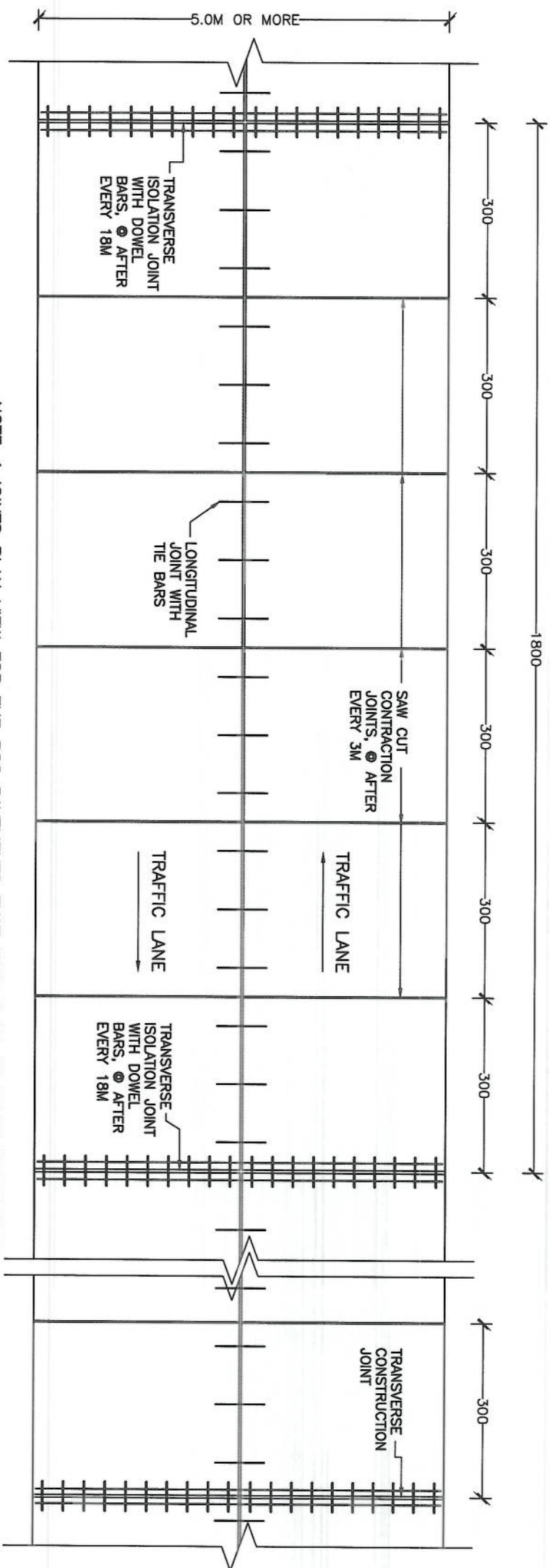


PLAN AND DETAIL FOR DOOR ENTRANCES

SECTION A-A FOR DOOR ENTRANCES

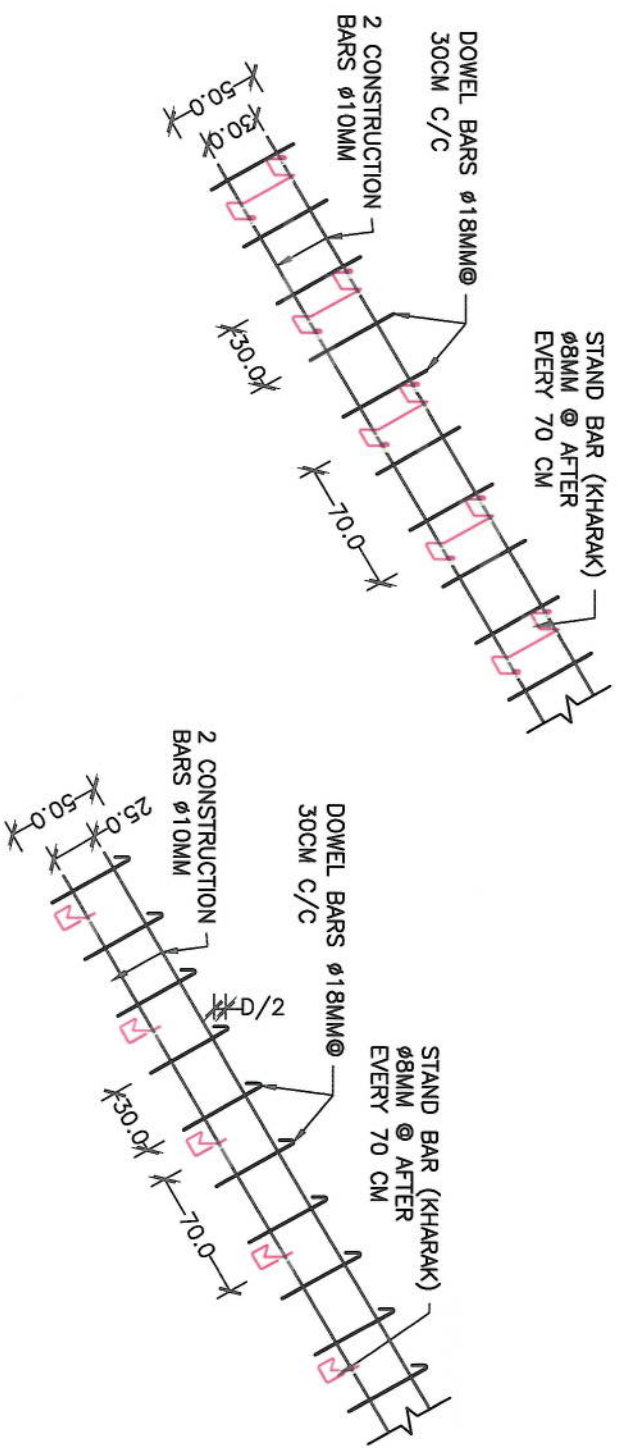


- 60mm Interlock
- 30mm Fine Sand layer
- 100mm Compacted Granular Base Course Materials
- Well Compacted Sub grade (Sub grade should be screened from over size, damped and organic materials)



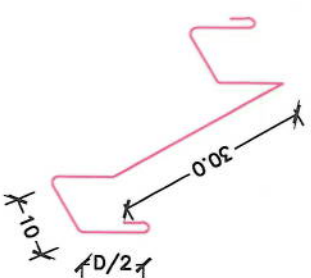
NOTE-1: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS THAT HAVE 5.0M OR MORE TRANSVERSE WIDTH, AND TRANSFER W18 (18 Kips) LOADED IN ONE LANE TWO DIRECTION.

01 LINK ROAD PLAN VIEW
SCALE- AS SHOWN

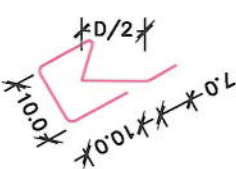


02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN

03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN



04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN



05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

- NOTE:
- 1) FOR MORE DETAILS PLEASE SEE PCC PAVEMENT JOINTS SECTION DETAILS.
 - 2) TRANSVERSE JOINTS LENGTH MUST BE ACCORDING TO PAVEMENT CROSS WIDTH.
 - 3) REMOVE WOODEN PANEL, ONE SIDE CONSTRUCTION BAR AND STAND (KHARAK) FROM CONSTRUCTION JOINT.
 - 4) ALL UNITS ARE IN CM.

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

LEGENDS



ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name: Co-e-Surgi to Delimazang road project

Drawing Title:

JOINT DETAIL

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

Date: 06/06/2023

Scale:

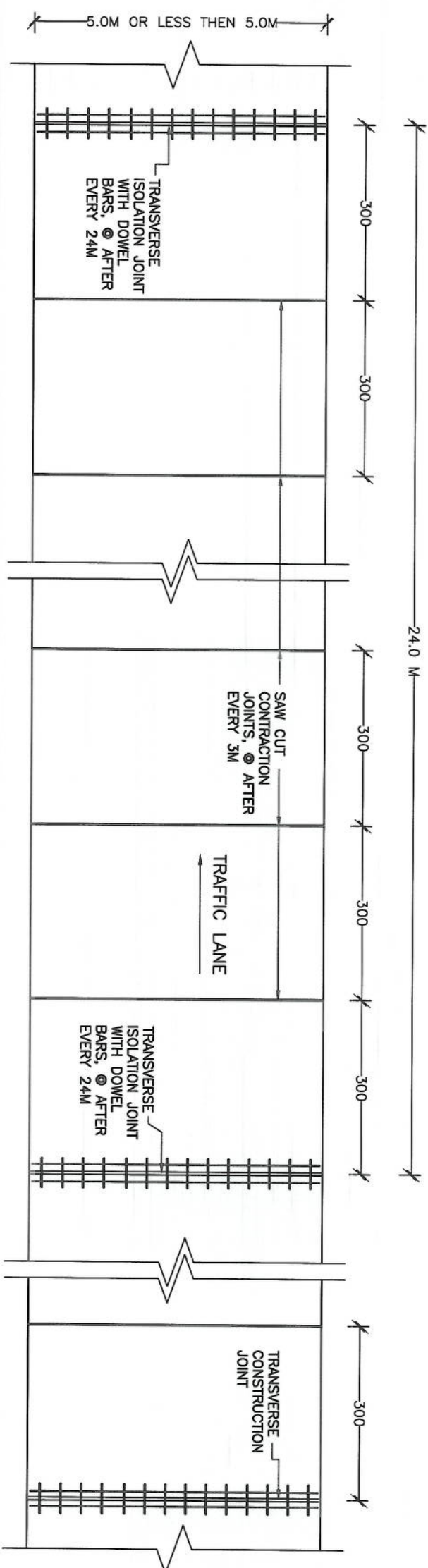
Sheet: FINAL DESIGN

Project Code:

SHEET NO.

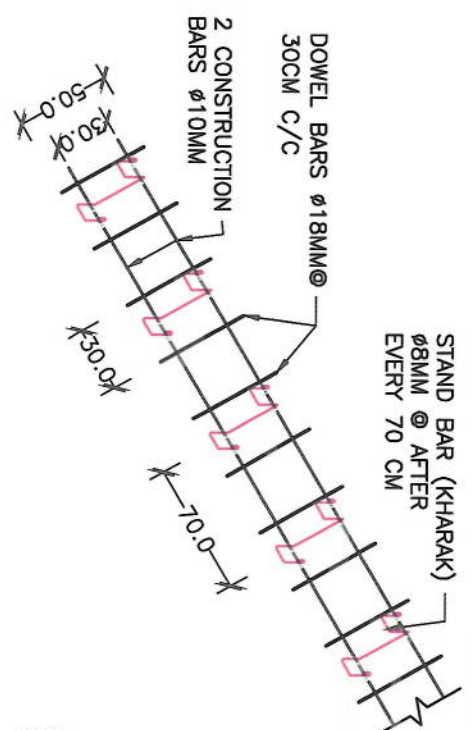
Revision

01

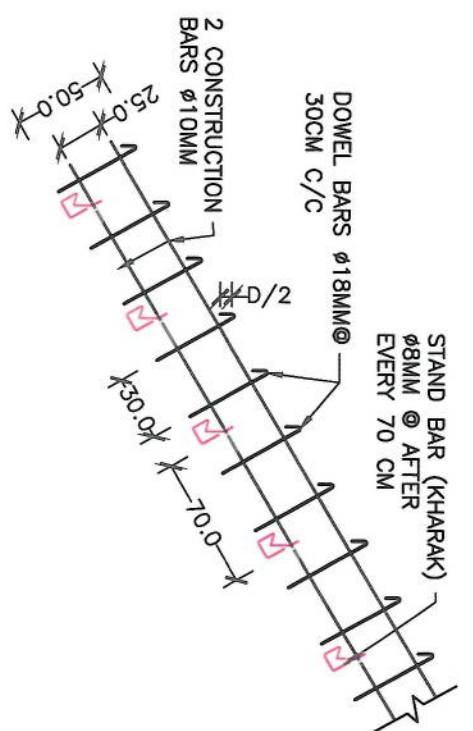


NOTE: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS THAT HAVE LESS THEN 5.0M TRANSVERSE WIDTH

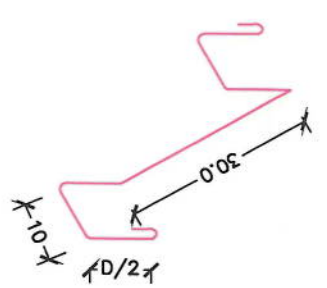
01 BIKEWAY PLAN VIEW
SCALE- AS SHOWN



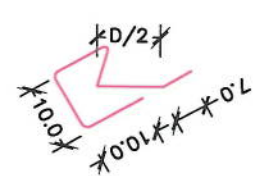
02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN



04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN



05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

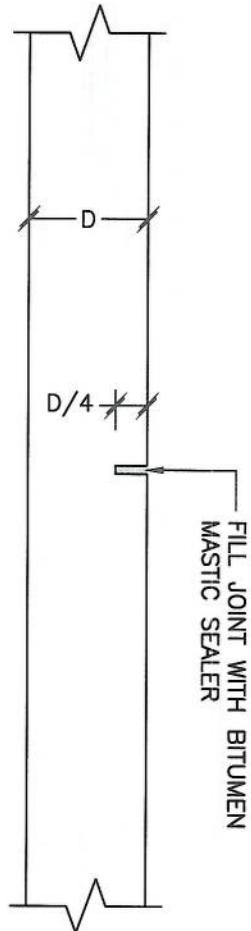
- NOTE:
- 1) FOR MORE DETAILS PLEASE SEE PCC PAVEMENT JOINTS SECTION DETAILS.
 - 2) TRANSVERSE JOINTS LENGTH MUST BE ACCORDING TO PAVEMENT CROSS WIDTH.
 - 3) REMOVE WOODEN PANEL, ONE SIDE CONSTRUCTION BAR AND STAND (KHARAK) FROM CONSTRUCTION JOINT.
 - 4) ALL UNITS ARE IN CM.



Project Name: Car-o-Sangl to Dehrazang road project		KABUL MUNICIPALITY DESIGN TEAM	
Drawing Title: JOINT DETAIL		Revision	
Drawn: Mehajir Rahman	Signature:	Rev:	Appd:
Designed: Mohammad Eisa Sial	Signature:	Date:	Date:
Checked: Hashidullah Shahid	Signature:	Revision Details	Drawn/Checked/ Appd.
Reviewed:	Signature:		
Date: 06/06/2023	Scale:		
Status: FINAL DESIGN			
Project Code:			
SHEET NO.	Revision		
01			

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

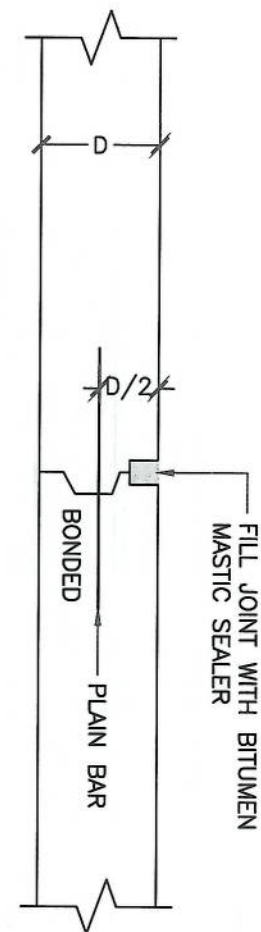
LEGENDS



01 TRANSVERSE CONTRACTION JOINT DETAIL
SCALE- N.T.S

NOTE-1:

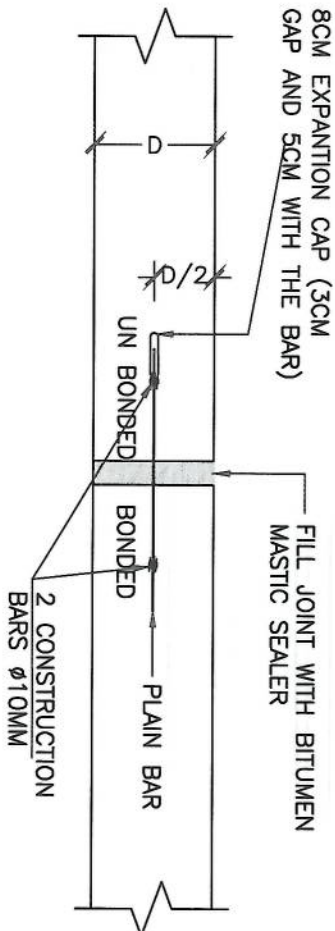
- 1) FORM JOINTS BY SAW CUTTING
- 2) SPACING OF CONTRACTION JOINTS @ AFTER EVERY 3 METER
- 3) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS
- 4) JOINT WIDTH = 0.5-1.0 CM



02 TRANSVERSE EXPANSION CONSTRUCTION JOINT DETAIL
SCALE- N.T.S

NOTE-2:

- 1) FORM JOINT WITH WOODEN PANEL, AND REMOVED IT AFTER JOINT FORMED.
- 2) USE DOWEL BARS $\phi 18\text{MM}$, @30CM C/C & 50 CM LONG
- 3) PROVIDE CONSTRUCTION JOINT @ THE END OF EVERY DAILY WORK AND WHEN THE WORK STOP FOR ONE HOUR OR MORE BECAUSE OF SOME.
- 4) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS.
- 5) JOINT WIDTH = 3MM-6MM

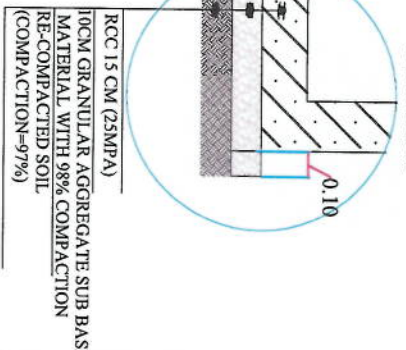


03 TRANSVERSE EXPANSION ISOLATION JOINT DETAIL
SCALE- N.T.S

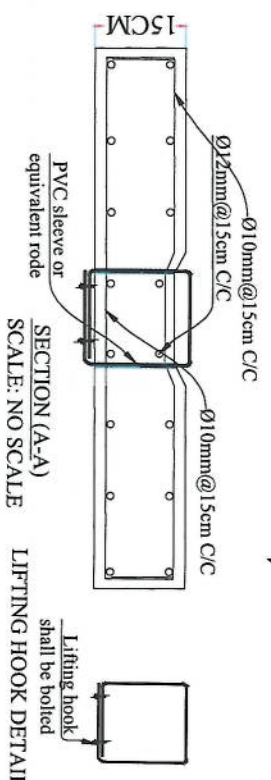
NOTE-3:



- 1) FORM JOINT WITH POLYSTYRENE PANEL, AND REMOVED IT AFTER JOINT FORMED.
- 2) USE DOWEL BARS $\phi 18\text{MM}$, @30CM C/C & 50 CM LONG
- 3) SPACING MUST BE ACCORDING TO RELATED JOINTS PLAN VIEW.
- 4) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS.
- 5) JOINT WIDTH = 2.0CM-2.5CM
- 6) FROM THE MIDDLE POINT OF DOWEL BAR ONE SIDE SHOULD BE BONDED WITH PCC, BUT THE ANOTHER ONE SHOULD BE COATED WITH GREASE & WRAPPED WITH PLASTIC TO MAKE UN BONDED WITH PCC,

Project Name:	Coe-Sangli to Dehnamang road project		
Drawing Title:	JOINT DETAIL		
Designed By:	ISLAMIC EMIRATE OF AFGHANISTAN		
Drawn:	Mehdij Rahmani	Signature:	
Designed:	Mohammad Eisa Sina	Signature:	
Checked:	Habibullah Shalizi	Signature:	
Reviewed:		Signature:	
Date:	06/06/2023	Scale:	
Status:	FINAL DESIGN		
Project Code:			
SHEET NO.	01	Revision:	



10CM GRANULAR AGGREGATE SUB BASE MATERIAL WITH 98% COMPACTION RE-COMPACTED SOIL (COMPACTION=97%)



<p>ISLAMIC EMARATE OF AFGHANISTAN</p>	
<p>Designed By:</p>	
<p>KABUL MUNICIPALITY DESIGN TEAM</p>	
	
<p>Project Name:</p>	
<p>KOT-E-SANGI TO DEHMAZANG ROAD PROJECT</p>	
<p>Drawing Title:</p>	
<p>SIDE DRAIN#6 TYPICAL CROSS SECTION</p>	
<p>Drawn By:</p>	<p>Signature:</p>
<p>Mohammad Naeem</p>	

ISLAMIC EMARATE OF
AFGHANISTAN


Designed By

KABUL MUNICIPALITY
DESIGN TEAM

Project Name: KOT-E-SANGI TO DEHMAZANG ROAD PROJECT

Drawing Title:

SIDE DRAIN#6 TYPICAL CROSS SECTION

Drawn By: Nooryalai Nusehi	Signature: 
-------------------------------	---

Reviewed By: 

signature

Date: _____

--	--

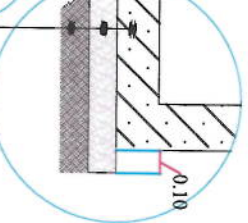
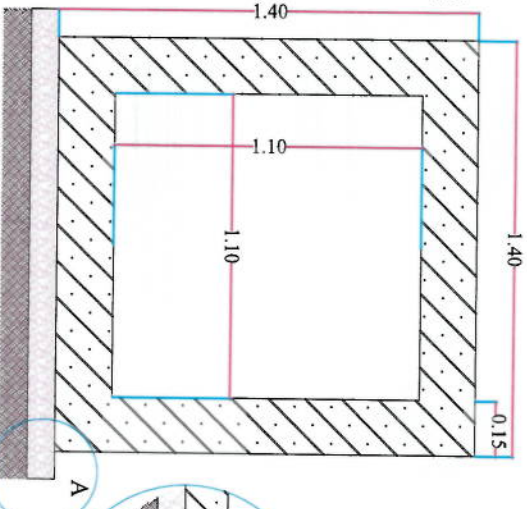
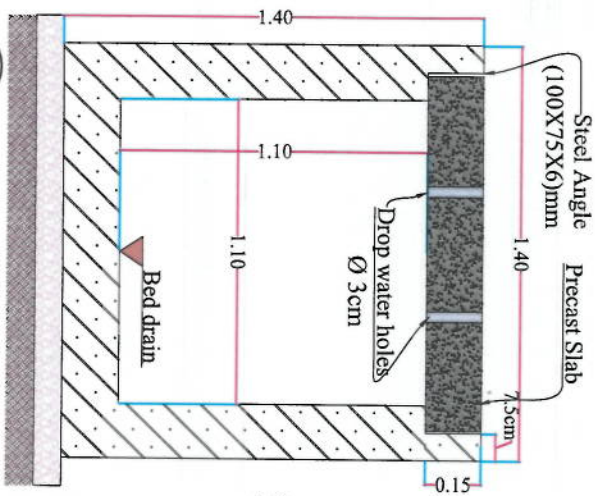
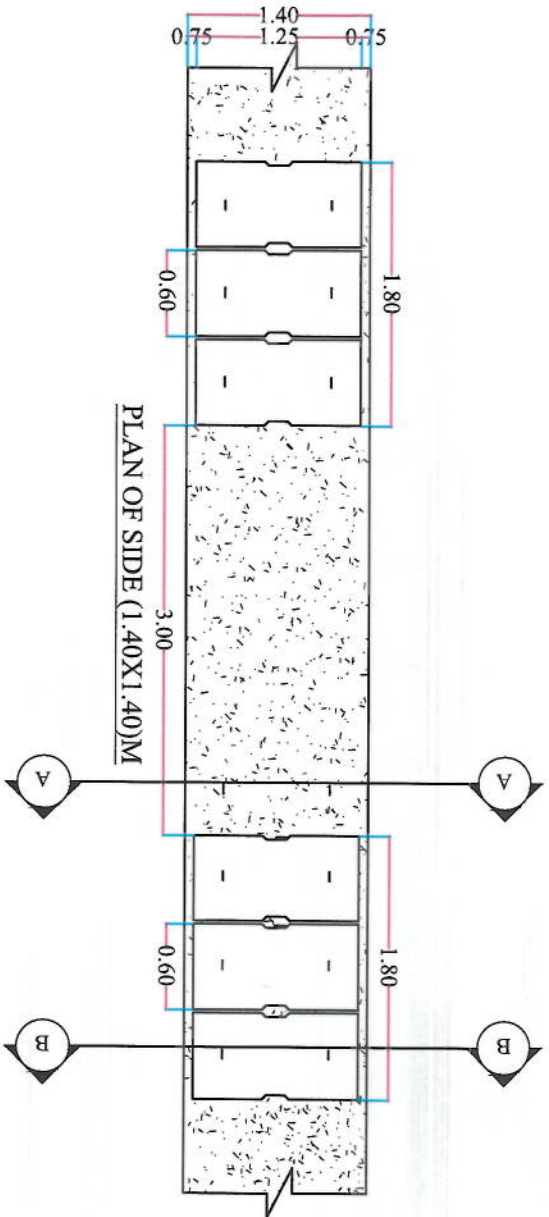
Journal of Management Education 36(7) 809-824

Project Code

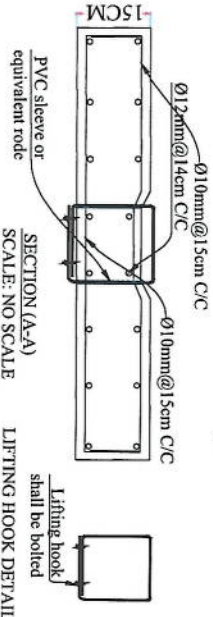
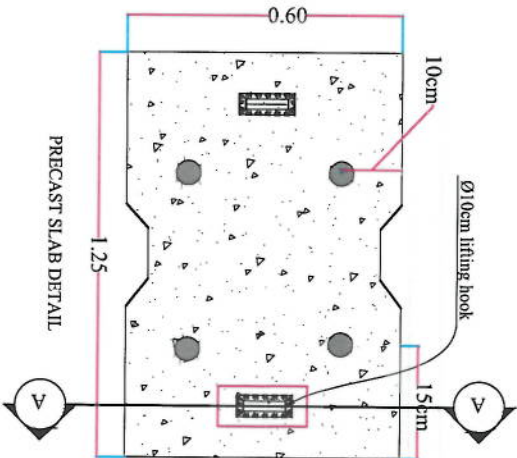
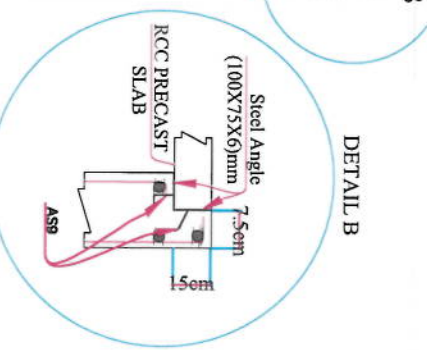
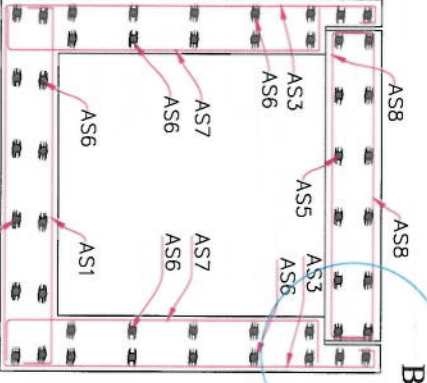
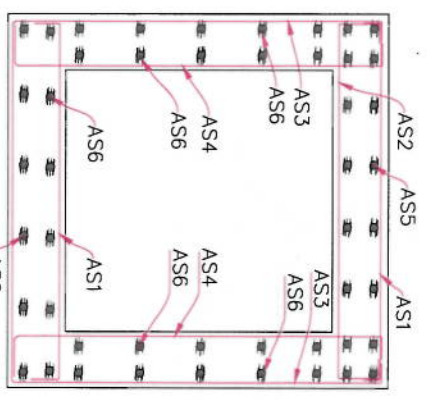
Drawing Number	Revision

00 S.D-01

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



RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RECOMPACTED SOIL
(COMPACTION=97%)



DITCH (140X140)CM REINFORCEMENT SCHEDULE				
Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	140	
As2		12	140	
As3		12	140	
As4		12	140	
As5		10	150	
As6		10	150	
As7		12	140	
As8		12	140	
As9		8	200	

ISLAMIC EMIRATE OF
AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
KOT-E-SANGI TO DEHMAZANG
ROAD PROJECT

Drawing Title:
SIDE DRAIN07 TYPICAL CROSS
SECTION

Drawn By: Neorysila Nasri
Designed By: Neorysila Nasri
Checked By: Abdul Shakoor Mansour
Reviewed By: Hashimullah Shahidi

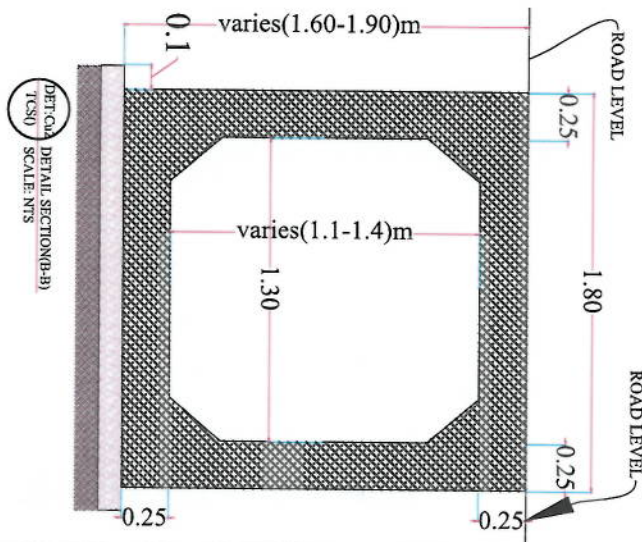
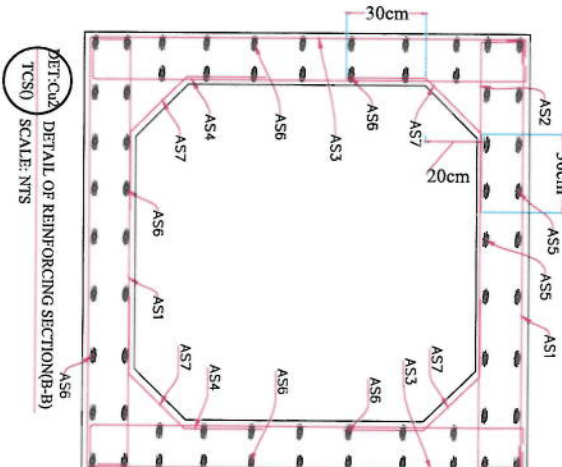
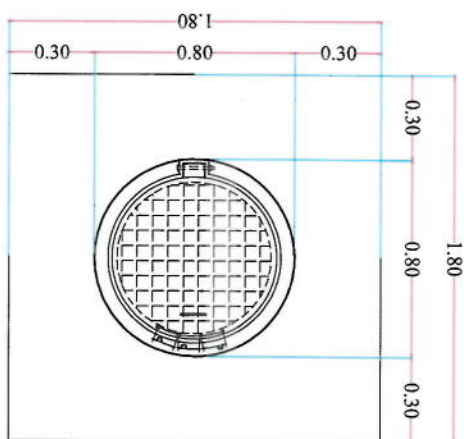
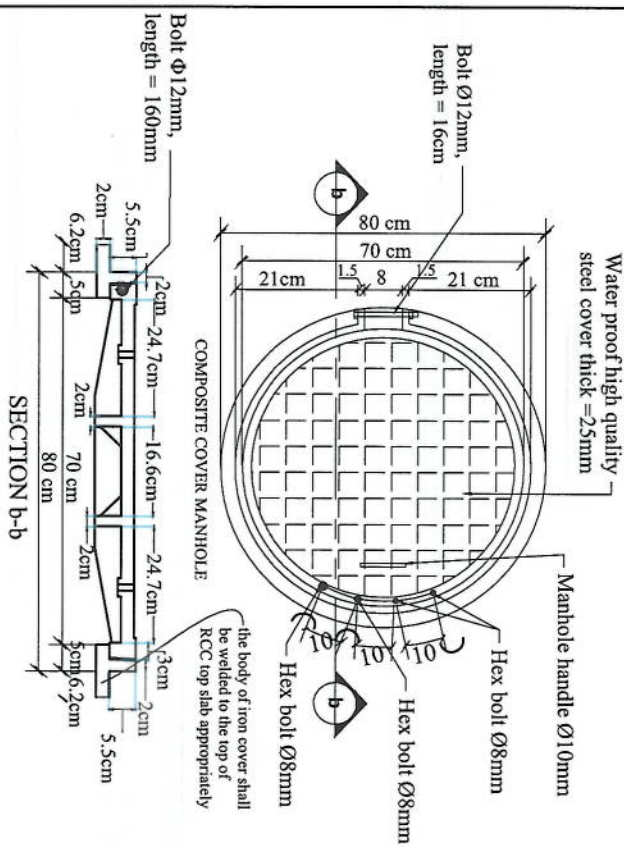
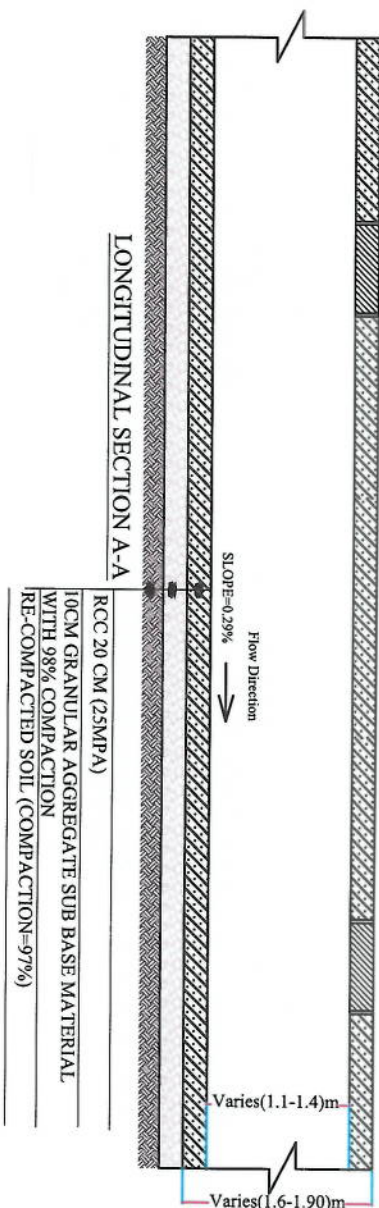
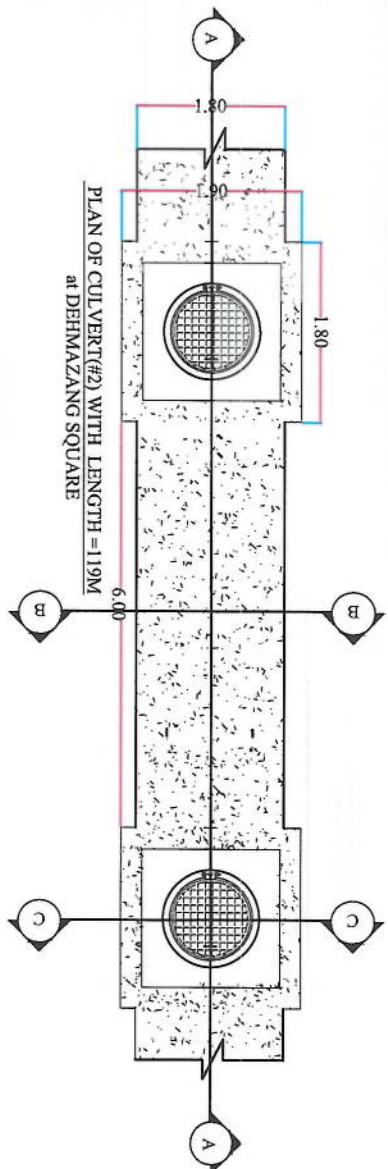
Date: 02/06/2023

State: FINAL DESIGN

Project Code:

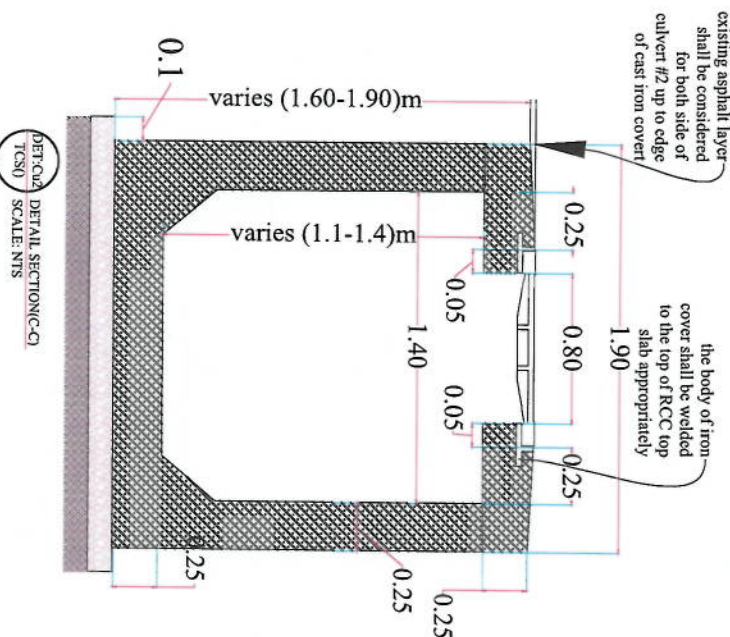
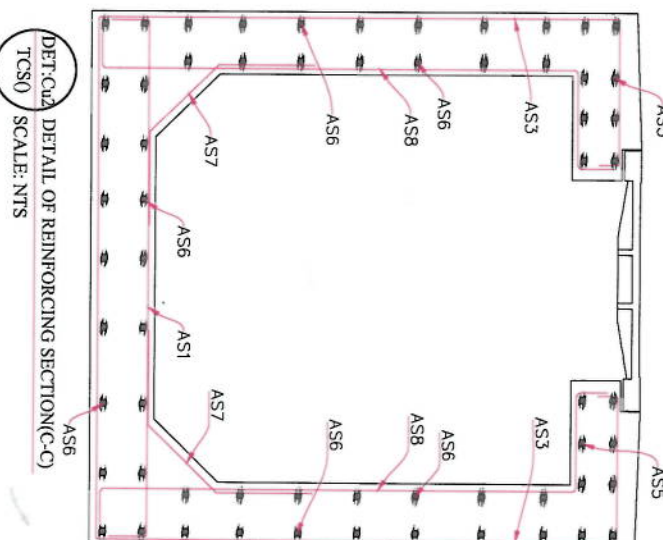
Drawing Number: S.D-02

Revision: 00



DITCH & MANHOLE REINFORCEMENT SCHEDULE

Bar.No	Bar Shope	Ø (mm)	Spacing (mm)	Remark
As1		16	150	
As2		16	150	
As3		16	150	
As4		16	150	
As5		12	150	
As6		12	150	
As7		12	300	
As8		16	150	



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



Project Name:
KOT-4-SANGI TO DEHMAZANG
ROAD PROJECT

Designed By:
KABUL MUNICIPALITY
DESIGN TEAM

Drawing Title:
CULVERT(#2) & MANHOLE
CROSS SECTION IN DEHMAZANG SQUARE

Drawn:
Mehrabiz Naeini
Signature:

Checked:
Abdul Shukur Memon
Signature:

Checked:
Hashibullah Shalizi
Signature:

Date:
02/06/2023
Scale:
1:500

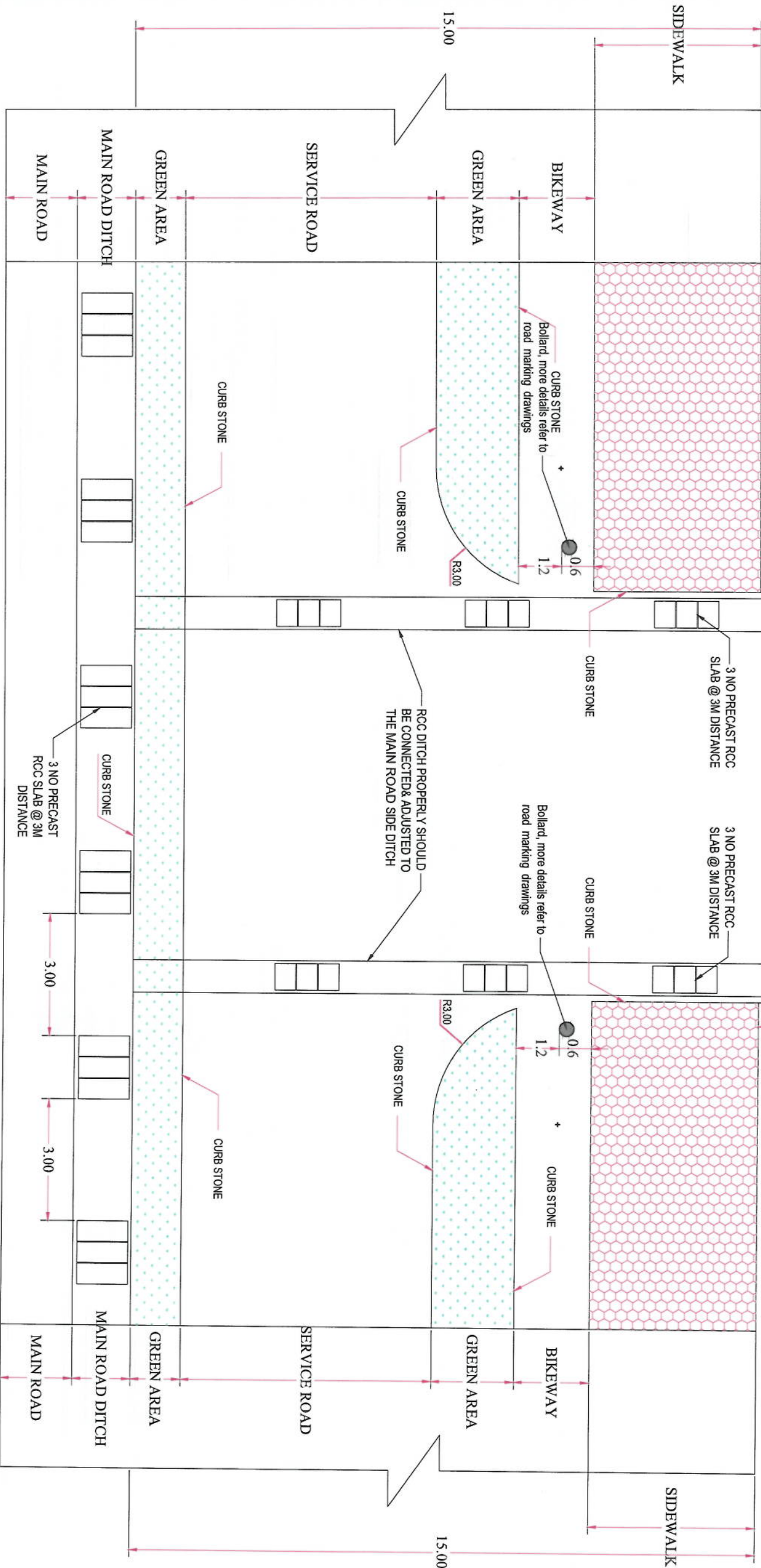
Issue:
FINAL DESIGN

Project Code:

SHEET NO.
Cu#2

Revision
01

LINK ROAD DITCH TABLE		
NUMBER OF LINK ROAD	LINK DITCH TYPE	LOCATION OF LINK DITCH
1	A	BOTH SIDE
2	B	BOTH SIDE
3	B	BOTH SIDE
4	B	ONE SIDE
5	C	BOTH SIDE
6	A	BOTH SIDE
7	D	BOTH SIDE
8	C	BOTH SIDE
9	A	ONE SIDE
10	A	ONE SIDE
11	D	ONE SIDE
12	D	ONE SIDE
13	D	BOTH SIDE



PLAN OF LINK ROADS TYPE A



Rev.	Date	Revision Details	Drawn/Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
KOT-E-SANGI TO DEHMAZANG
ROAD PROJECT

Drawing Title:

LINK ROAD-Both Side

Drawn:
Mehjabin Rahman
Designed:
M. Eesa Sana
Checked:
Habibullah Shalizi

Date:
02/06/2023
Scale:
1:75

Status:
FINAL DESIGN

Project Code:

SHEET NO.
ED DETAIL-01
Revision
01

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

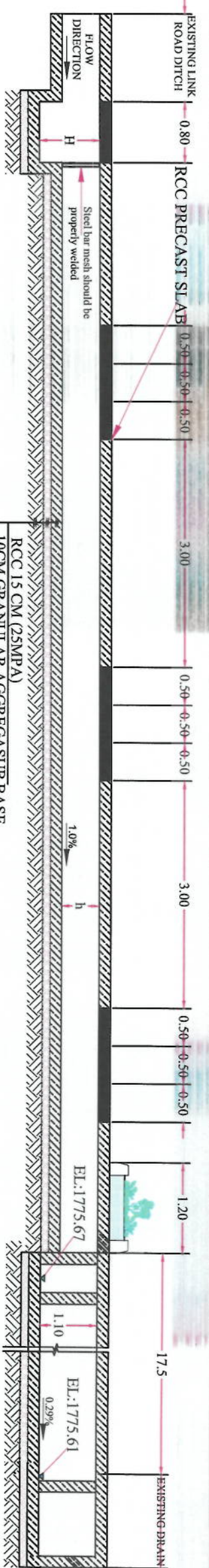


KABUL MUNICIPALITY
DESIGN TEAM

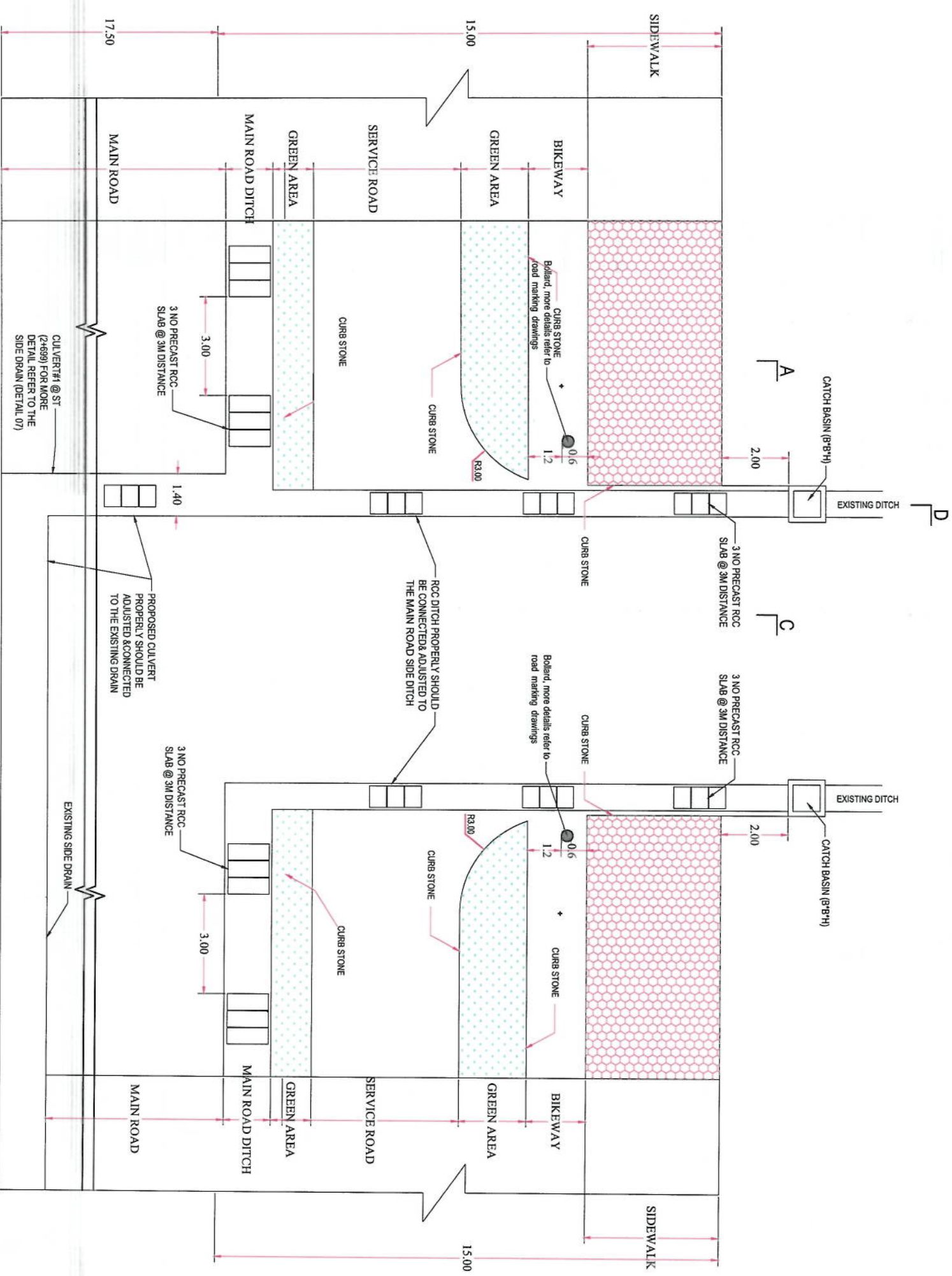
LINK ROAD-One side

Status:	FINAL DESIGN
Project Code	

SHEET NO.	ED DETAIL-02
Revision	01



SECTION D-D FOR LINK ROADS

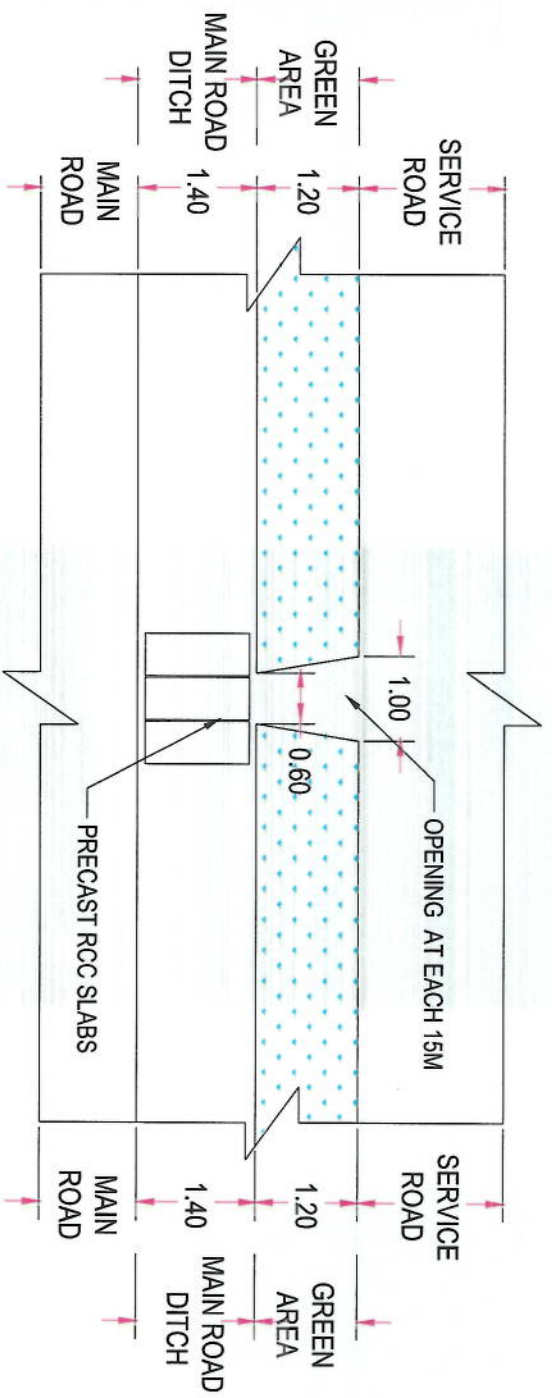


PLAN OF LINK ROADS TYPE C

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

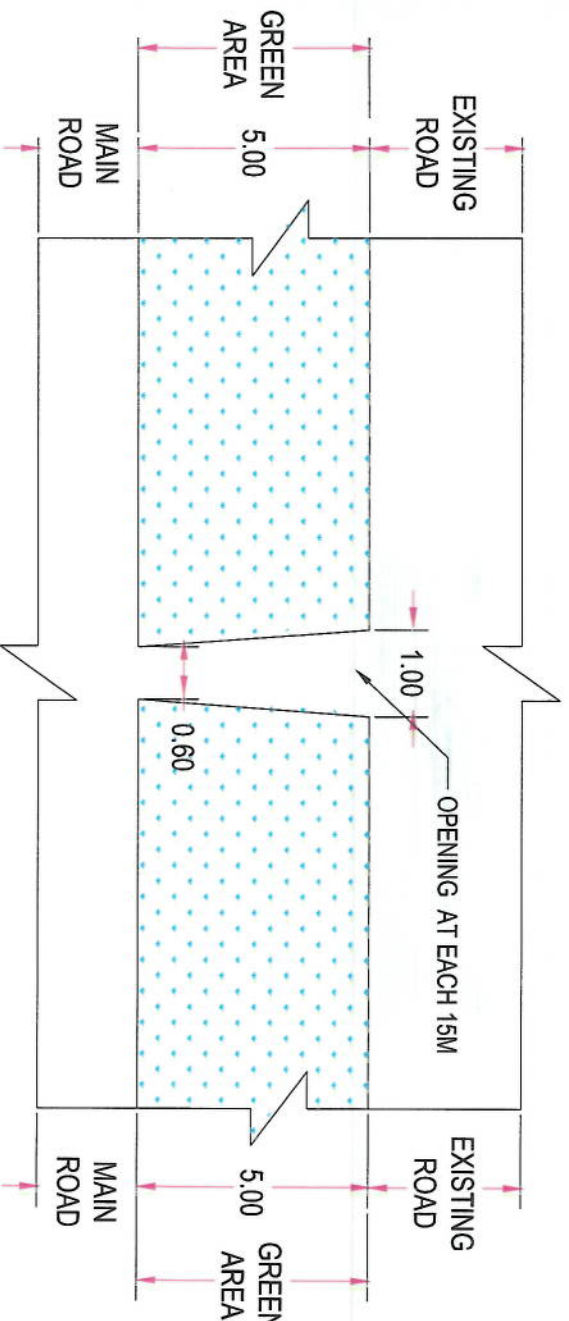


Project Name:		KOT-E-SANGI TO DEHMAZANG ROAD PROJECT	
Drawing Title:		LINK ROAD Both side WITH CULVERT #1	
Drawn:	Mehajir Rahman	Signature:	
Designed:	M. Easa Sireh	Signature:	
Checked:	Habibullah Shalizi	Signature:	
Date:	02/06/2023	Scale:	1:500
Status:	FINAL DESIGN		
Project Code:			
SHEET NO.	ED DETAIL-03	Revision	01

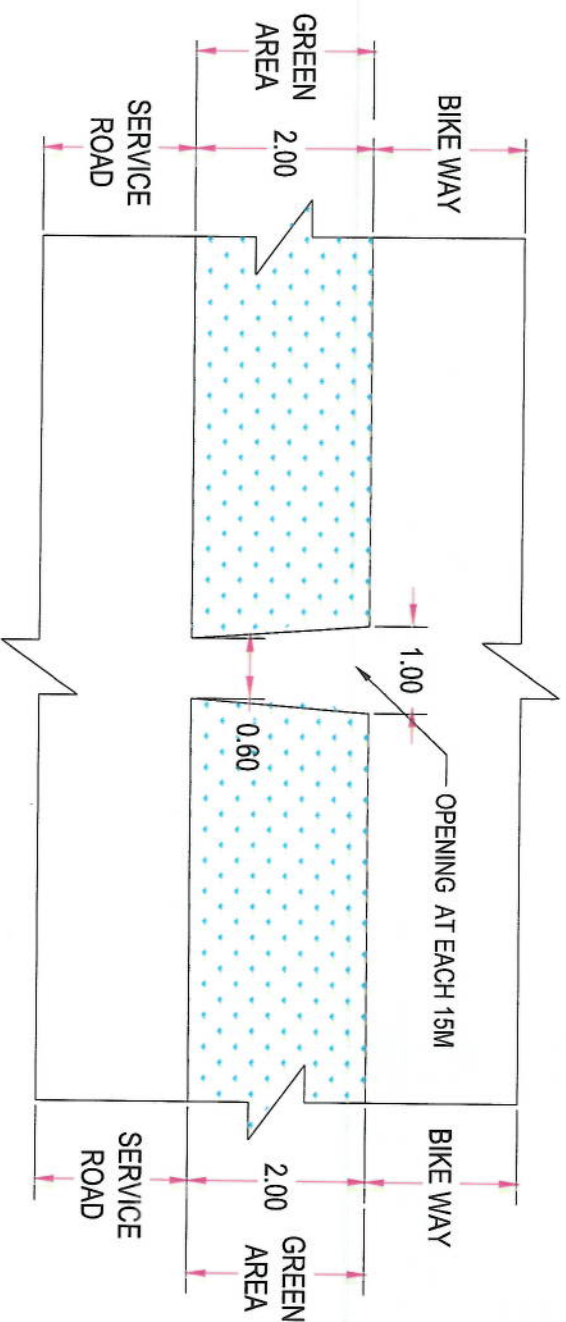


NOTE:
1-OPENING SHOULD BE CONSIDERED IN GREEN AREAS AT EACH 15M AND SHOULD BE ADJUSTED IN FRONT OF PRECAST SLAB OF MAIN ROAD

OPENING DETAIL IN MEDIAN
SCALE: NTS



OPENING DETAIL IN RIGHT SIDE GREEN AREA
SCALE: NTS



OPENING DETAIL IN LEFT SIDE GREEN AREA
SCALE: NTS

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KARIL MUNICIPALITY DESIGN TEAM

Project Name:

Car-e-Sangli to Dabmazzang road project

Drawing Title:

Green areas opening detail

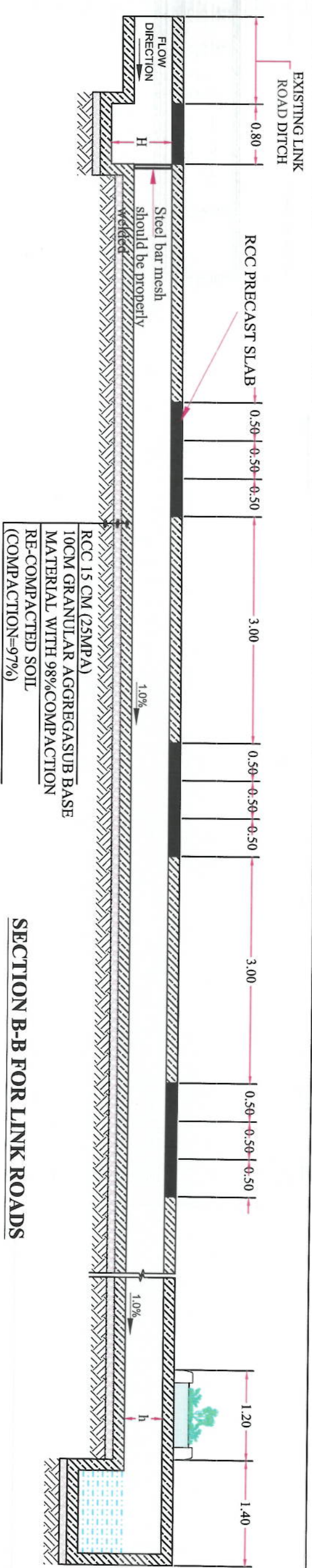
Drawn:	Signature:
Designed:	Signature:
Checked:	Signature:
Approved:	Signature:

Date: 06/06/2023 Scale: 1:75

Status: FINAL DESIGN

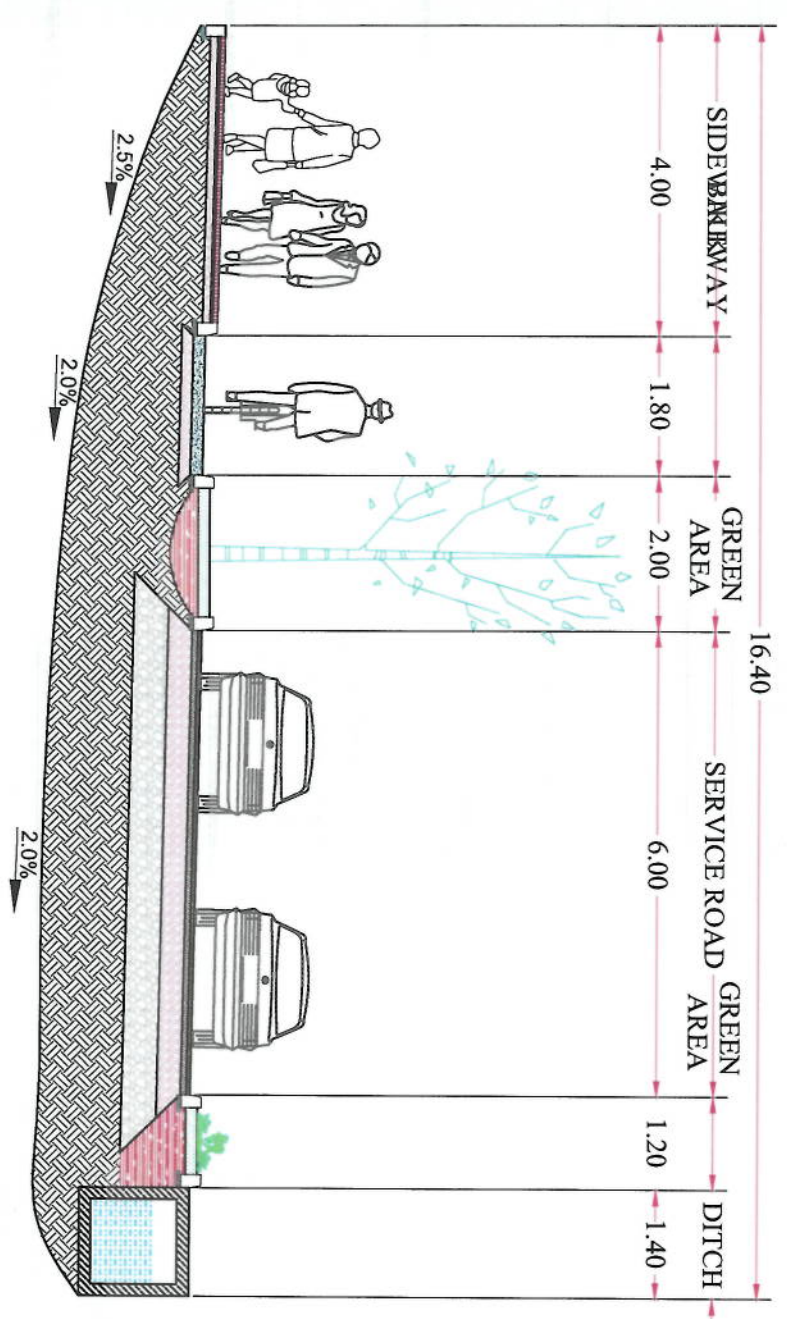
Project Code:

SHEET NO.	Revision
Green areas opening detail	01

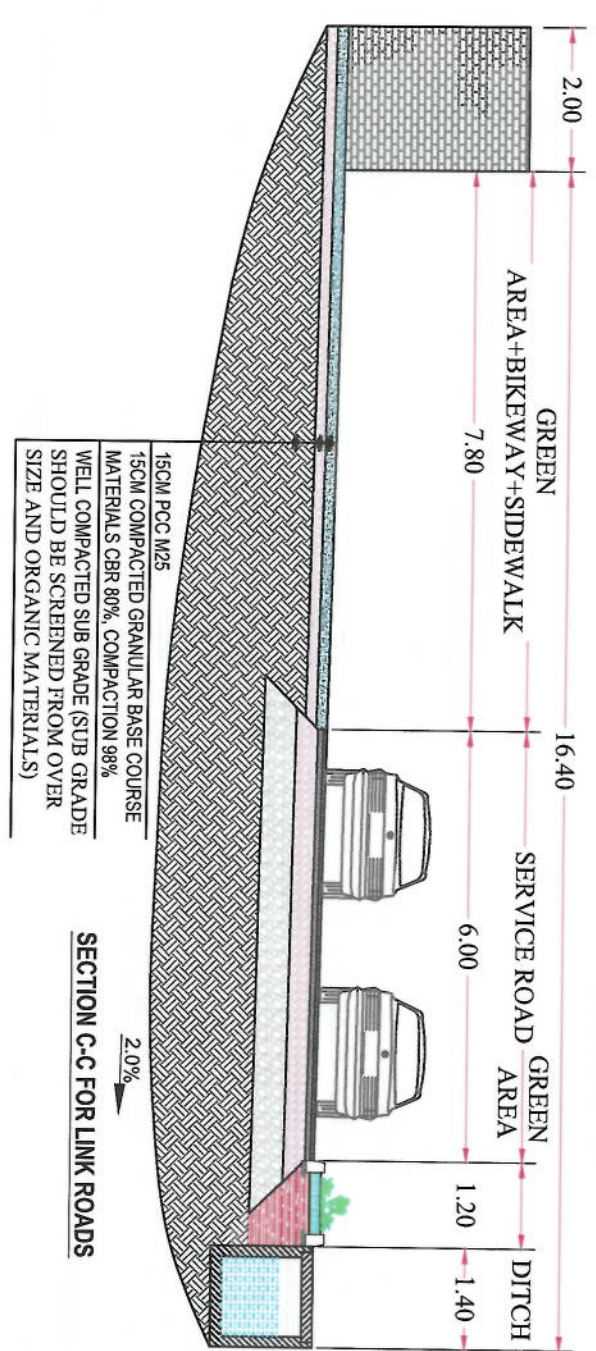
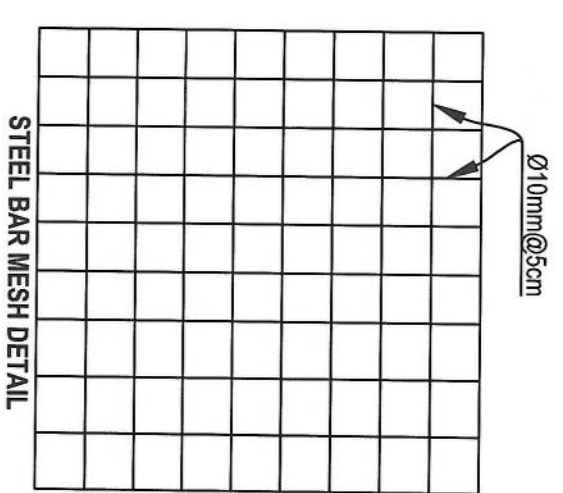


SECTION B-B FOR LINK ROADS

- Note:
- 1-All linking roads should connected and adjusted properly to the new designed road as per site
 - 2- the location of RCC ditch should be followed the existing ditch in each link road and should be properly adjusted.



SECTION A-A FOR LINK ROADS



SECTION C-C FOR LINK ROADS

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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY DESIGN TEAM

Project Name: KOT-E-SANG TO GHEWAZANG ROAD PROJECT

Drawing Title: Entrance Detail-01

Drawn:	Manjula Rahman	Signature:	
Designed Link Road:	M. Issa Sira	Signature:	
Designed Link Ditch:	Abdul Shakoor Mansoor	Signature:	
Checked:	Haseebullah Shariqi	Signature:	

Date: 02/06/2023

Scale: 1:75

Project Code:

SHEET NO. ED DETAIL-01

Revision: 01

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



ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
KOT-SANGI TO DIRMIZANG
ROAD PROJECT

Drawing Title:
LINK ROAD'S DRAIN TYPICAL CROSS
SECTION TYPE(A)

Drawn:
Noorjani Naseri
Signature:

Designed:
Abdul Shakoor Mansoor
Signature:

Checked:
Habibullah Stanizi
Signature:

Date: 02/06/2023

Scale:

Status: FINAL DESIGN

Project Code:

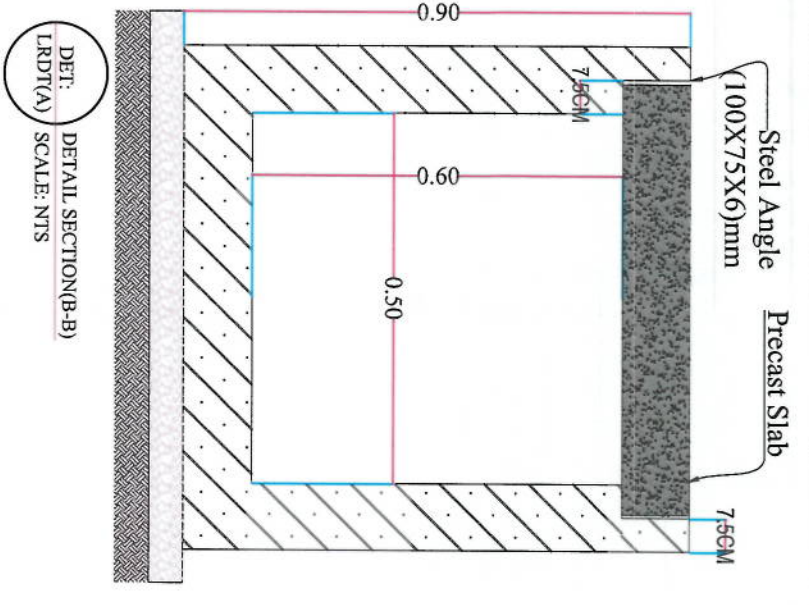
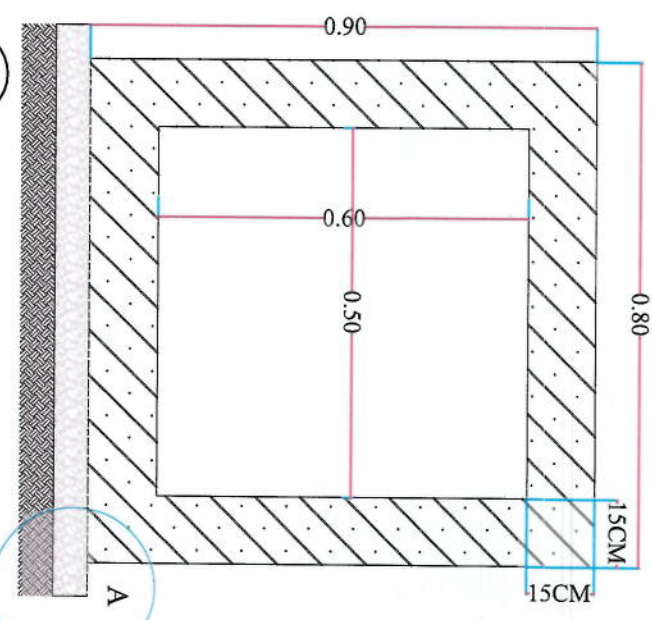
SHEET NO.

LKD(1)

Revision

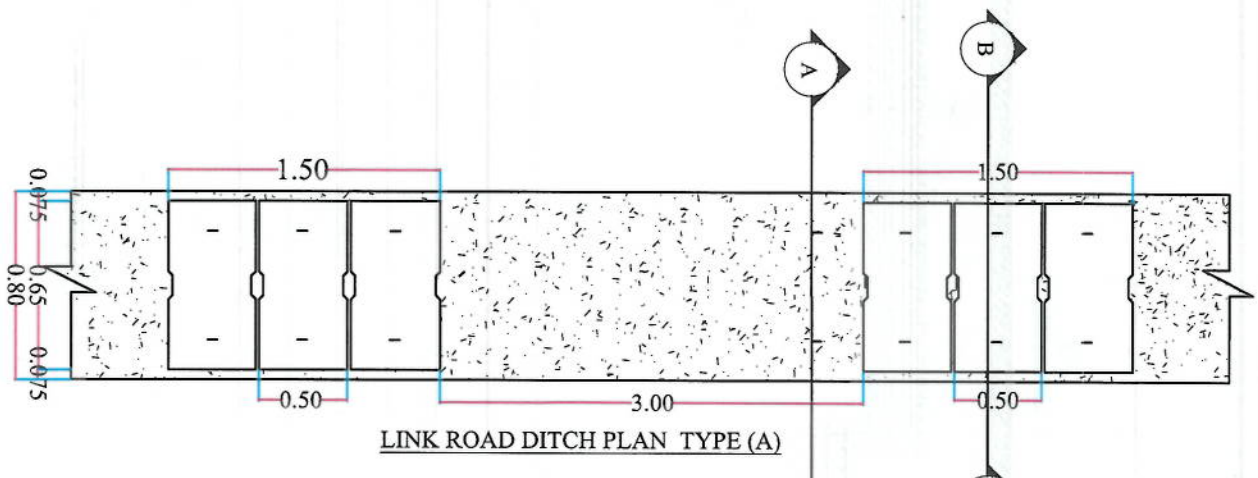
01

DETAIL A
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=97%)

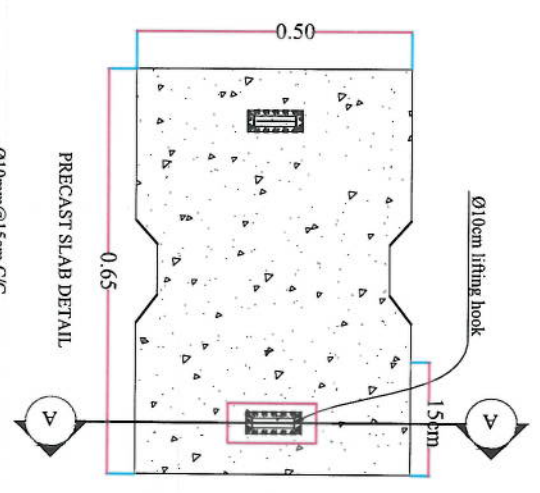
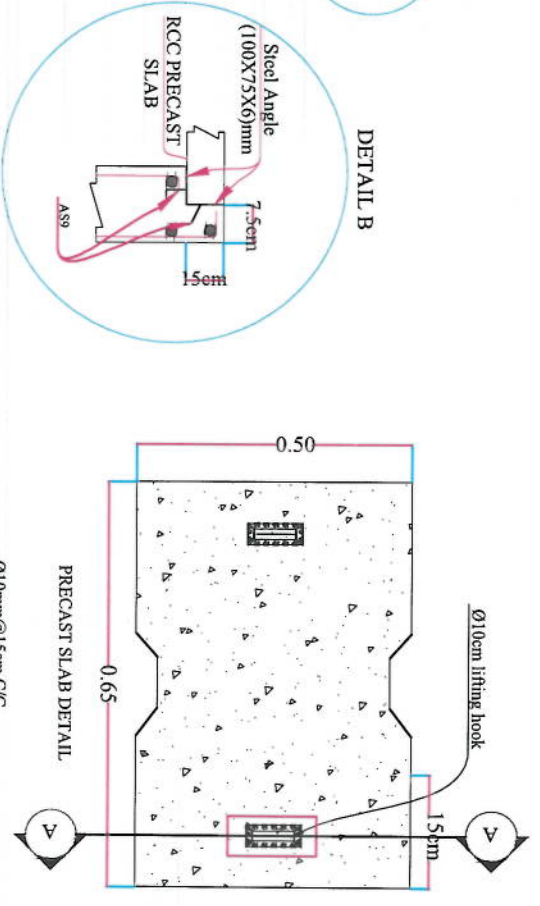


DET: LRD(1)(A)
SCALE: NTS

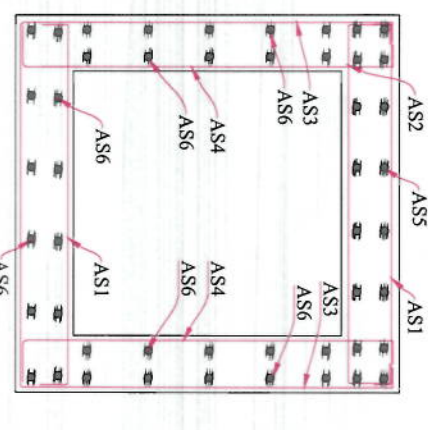
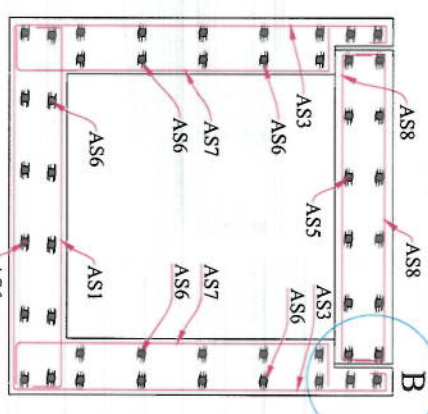
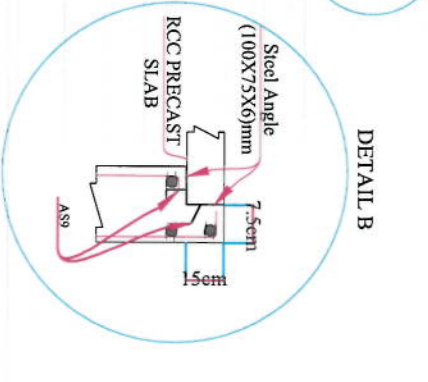
DET: LRD(1)(A)
SCALE: NTS



LINK ROAD DITCH PLAN TYPE (A)



Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
AS1		12	160	
AS2		12	160	
AS3		12	160	
AS4		12	160	
AS5		10	150	
AS6		10	150	
AS7		12	160	
AS8		12	160	
AS9		8	200	



DET: LRD(1)(A)
SCALE: NTS

DET: LRD(1)(A)
SCALE: NTS

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



Date	Revision	Detail/Drawn	Chkd	Appr

DESIGNED BY:
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

Project Name: KOT-SONG TO REMAZANG ROAD PROJECT

Drawing Title: LINK ROADS DRAIN TYPICAL CROSS SECTION TYPE(C)

Drawn:	Neorgul Naseri	Signature:
Designed:	Abdul Shakoor Munoor	Signature:
Checked:	Habibullah Shahzai	Signature:

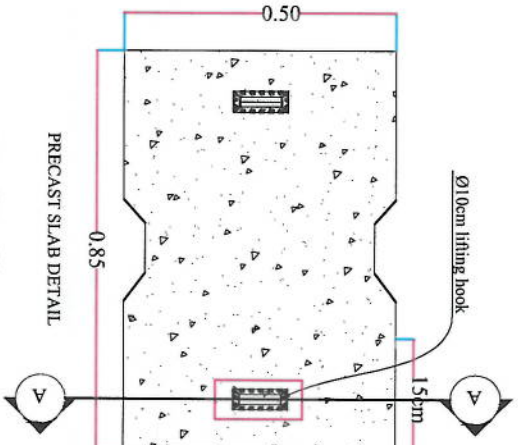
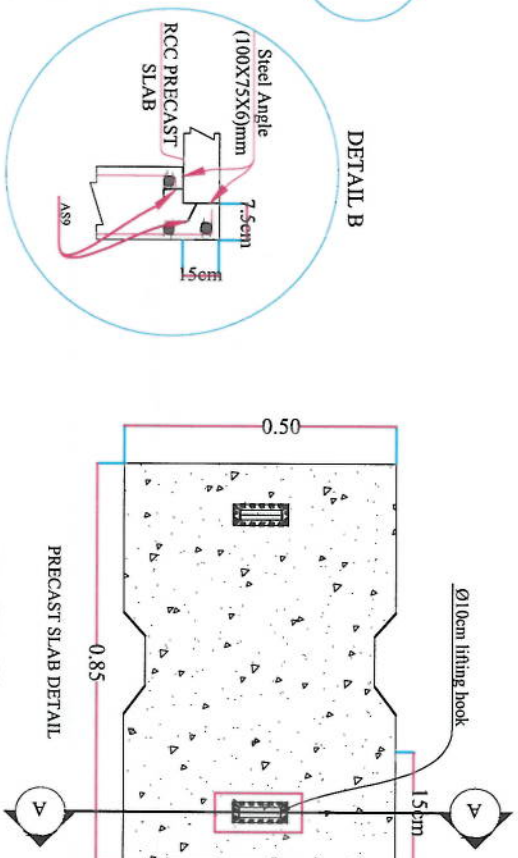
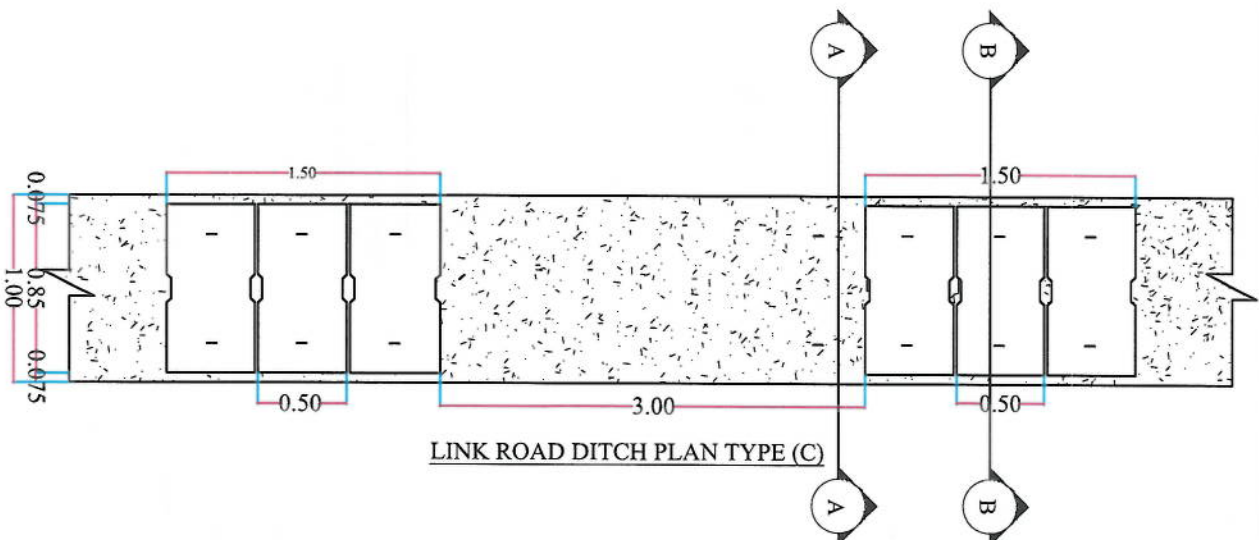
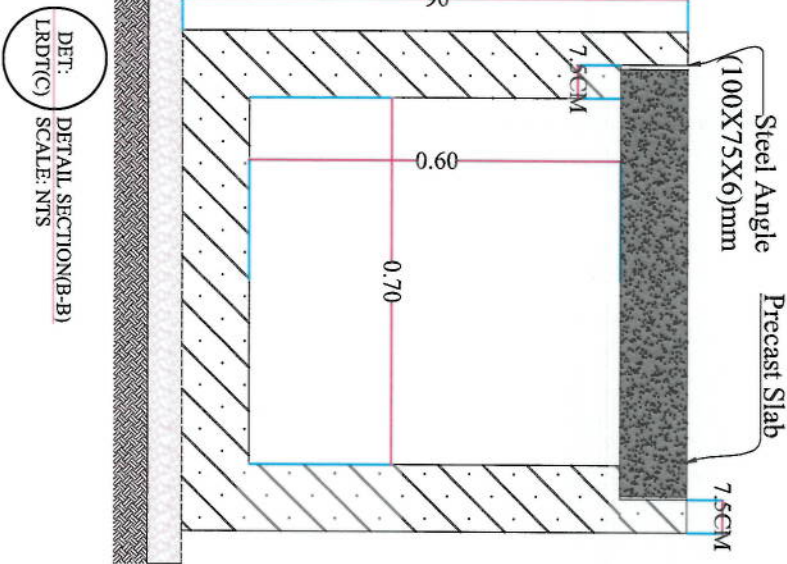
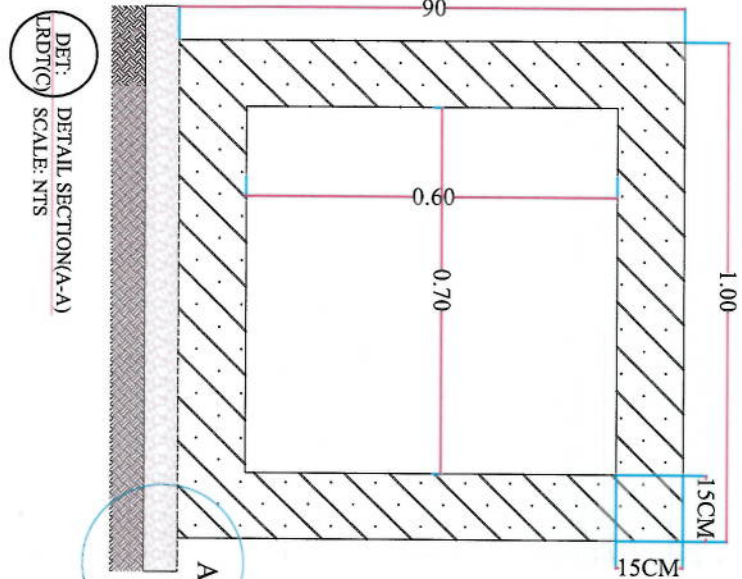
Date: 02/06/2023 Scale:

Sheet: FINEL DESIGN

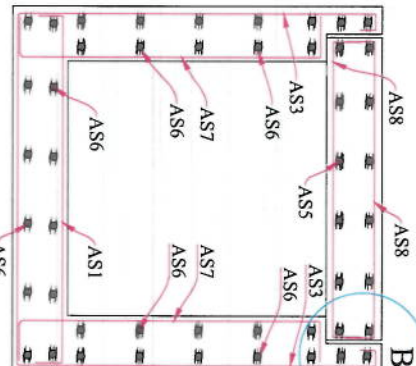
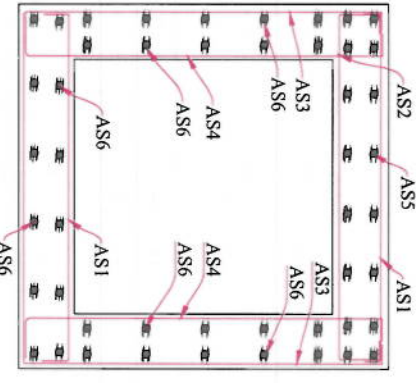
Project Code:

SHEET NO.	Revision
LRD(3)	01

DETAIL A
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=97%)

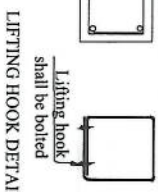
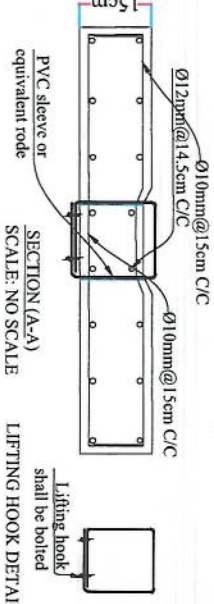


Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
AS1		12	145	
AS2		12	145	
AS3		12	145	
AS4		12	145	
AS5		10	150	
AS6		10	150	
AS7		12	145	
AS8		12	145	
AS9		8	200	

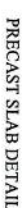
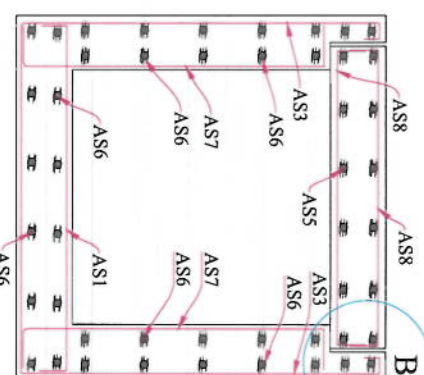


DET: LRD(TD)
SCALE: NTS

DET: LRD(TD)
SCALE: NTS



1. All dimensions are in meters unless otherwise indicated.

DITCH (100X110)CM REINFORCEMENT SCHEDULEISLAMIC EMIRATE OF
AFGHANISTAN

**KABUL MUNICIPALITY
DESIGN TEAM**

Drawing Title

SECTION TYPE(D)

Declined:	
-----------	--

Signature: _____

--	--

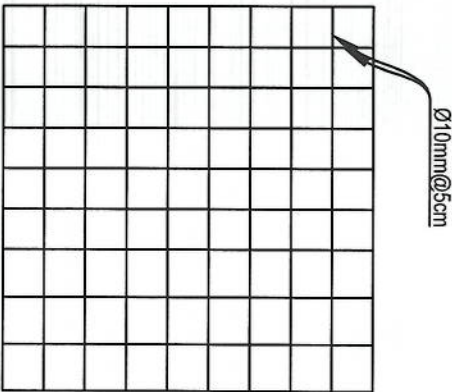
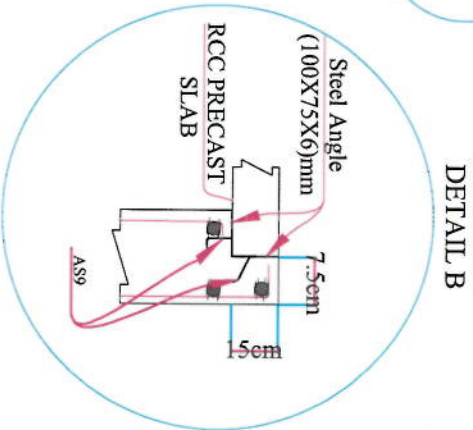
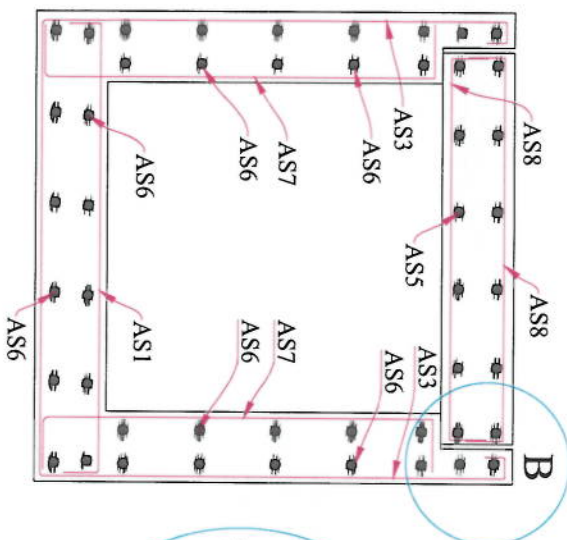
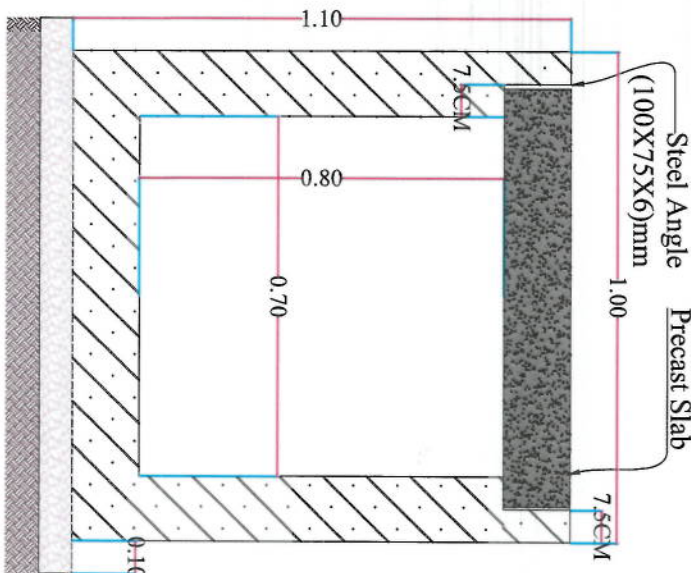
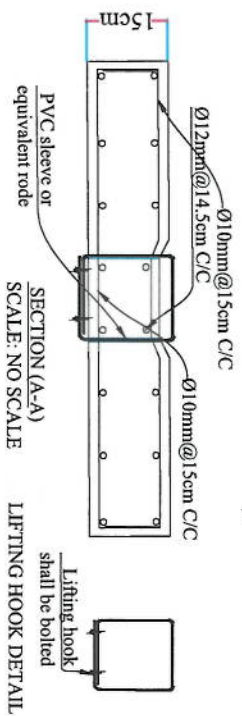
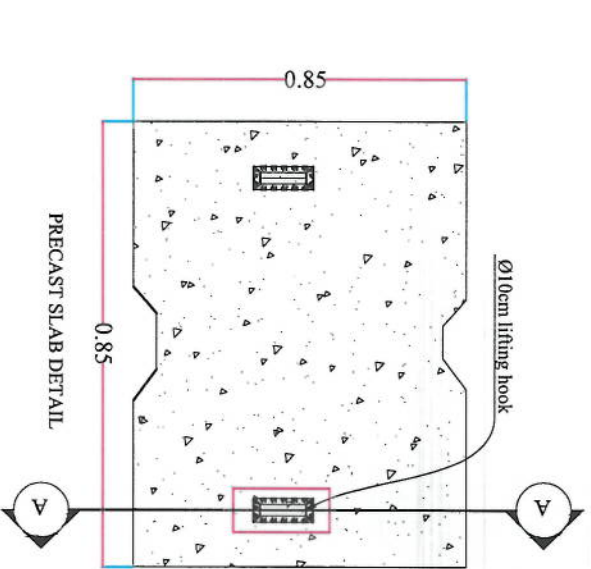
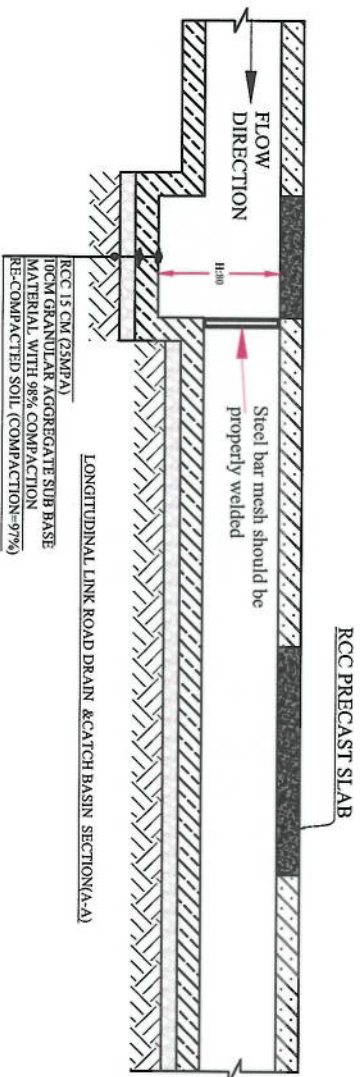
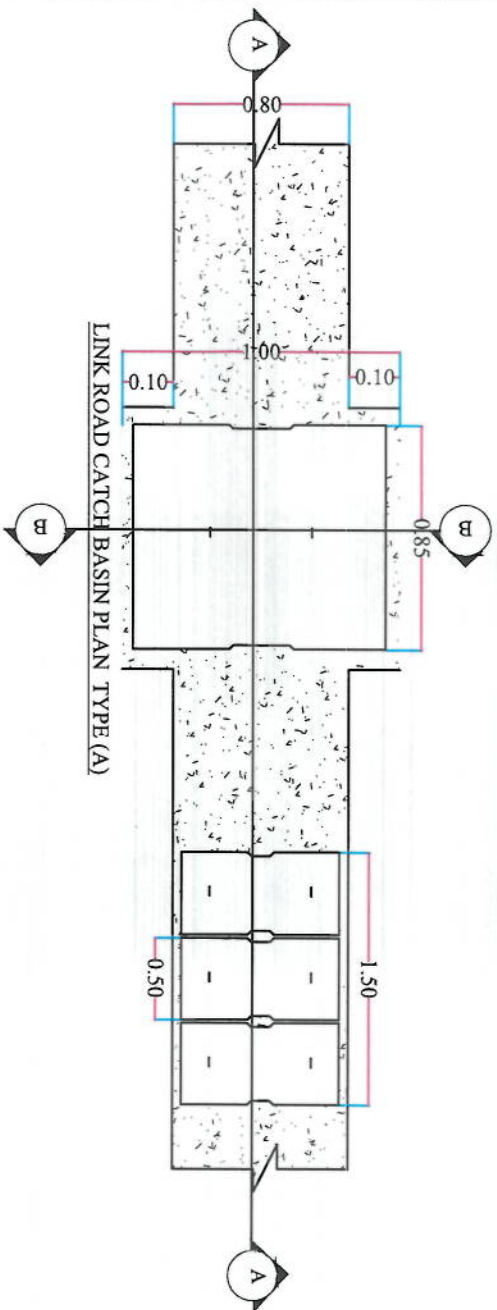
Date: 02/06/2023

100

1011

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



DITCH (100X110)CM REINFORCEMENT SCHEDULE			
Bar No	Bar Shape	Spacing (mm)	Remark
AS1	12	145	
AS2	12	145	
AS3	12	145	
AS4	12	145	
AS5	10	150	
AS6	10	150	
AS7	12	145	
AS8	12	145	
AS9	8	200	



Date	Revision	Detail/Drawn	Checked	Appr

DESIGNED BY:
ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

PROJECT NAME:
KOT-E-SANGI TO DEHRAZANG
ROAD PROJECT

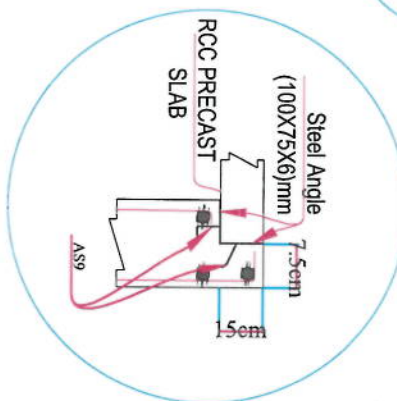
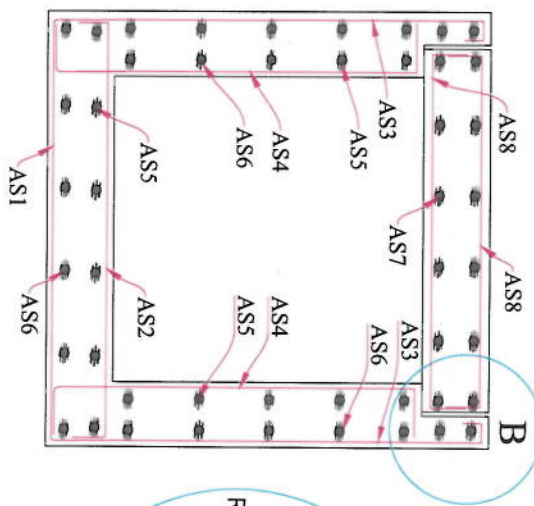
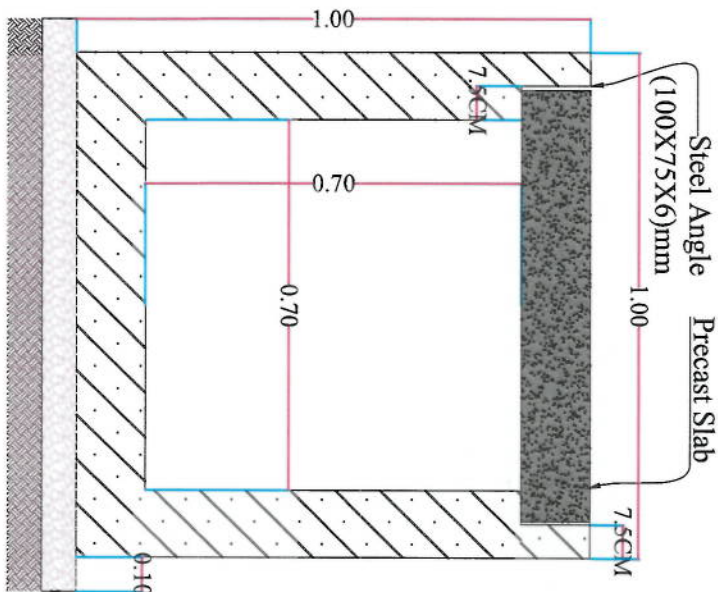
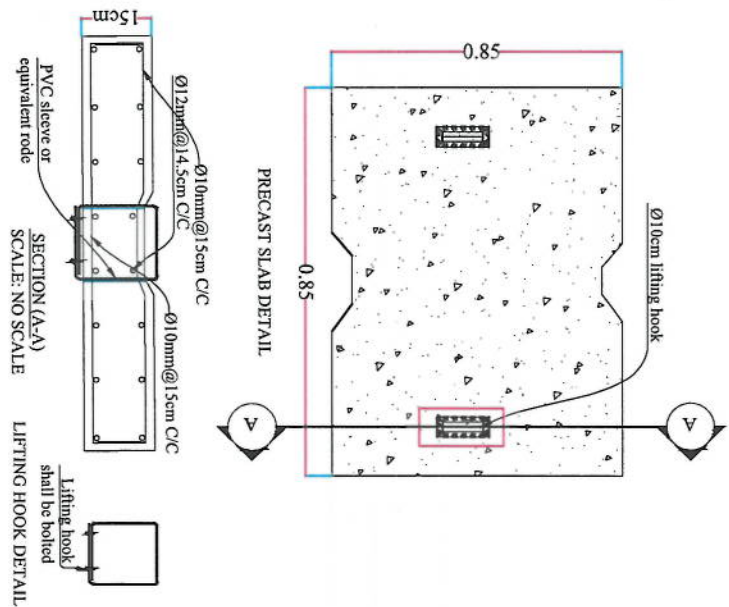
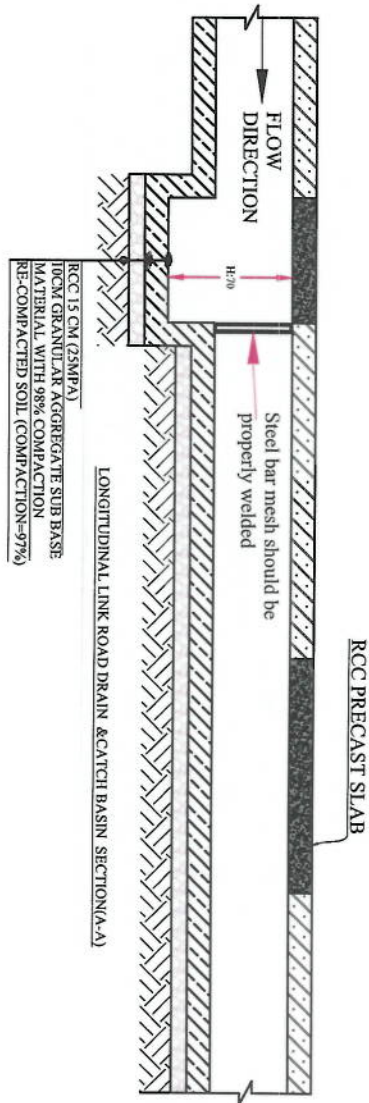
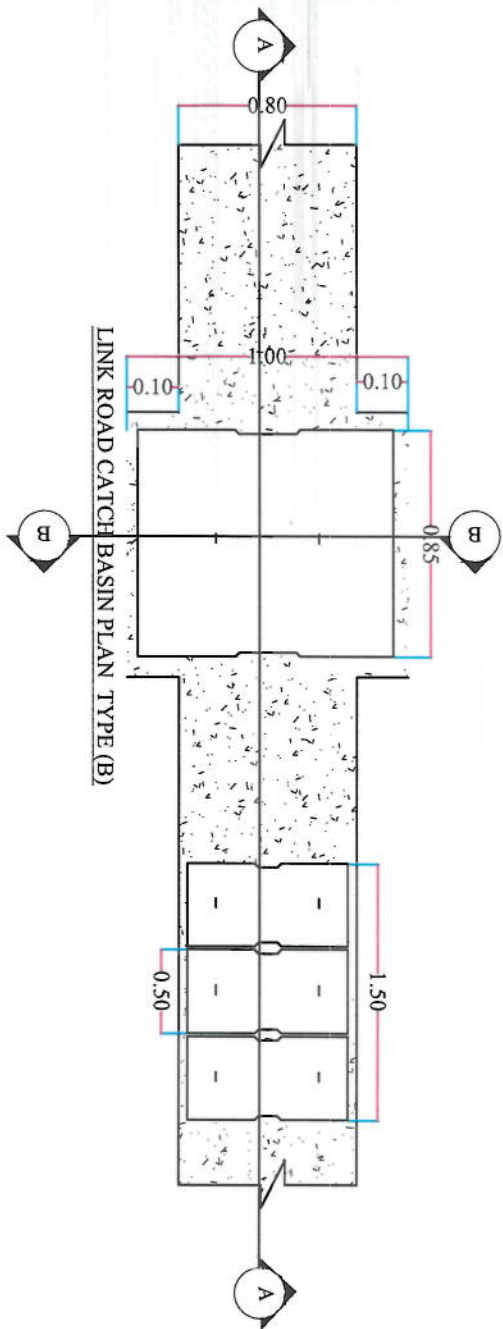
DRAWING TITLE:
CATCH BASIN DETAIL
TYPE (A)

DRAWN:
Neoayal Naseri
DESIGNED:
Abdul Shakoor Memon
CHECKED:
Habibullah Shahi

DATE:
02/06/2023
SCALE:
1:500

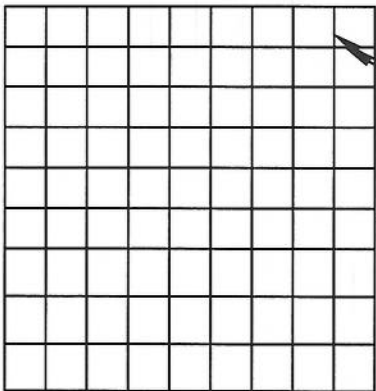
SHEET NO:
CBD(1)

REVISION
01



DETAIL SECTION (B-B)

DETAIL OF REINFORCING SECTION (B-B)



DITCH (100X100)CM REINFORCEMENT SCHEDULE			
Bar No	Bar Shape	Spacing (mm)	Remark
AS1	12	145	
AS2	12	145	
AS3	12	145	
AS4	12	145	
AS5	10	150	
AS6	10	150	
AS7	12	145	
AS8	12	145	
AS9	8	200	

NOTE:

1. All dimensions are in meters unless otherwise indicated.



Date	Revision	Drawn	Checked	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

Project Name: KOTE-SANGI TO DEMAZANG ROAD PROJECT

Drawing Title: CATCH BASIN DETAIL TYPE (B)

Drawn: Neorajal Nasri
Designed: Abdul Shakoor Minoor
Checked: Habibullah Shariati

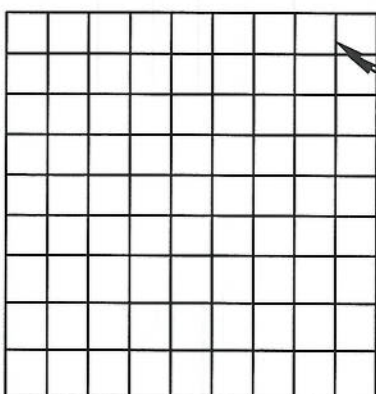
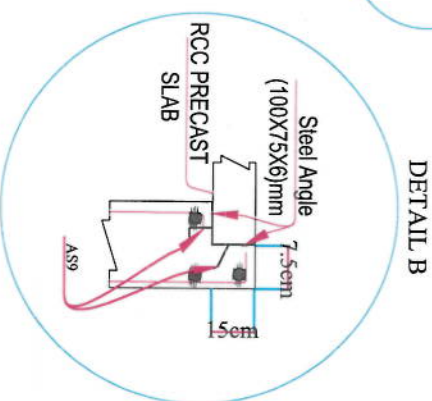
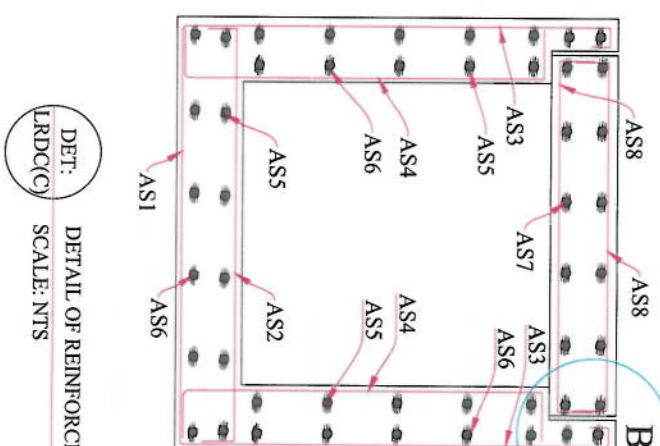
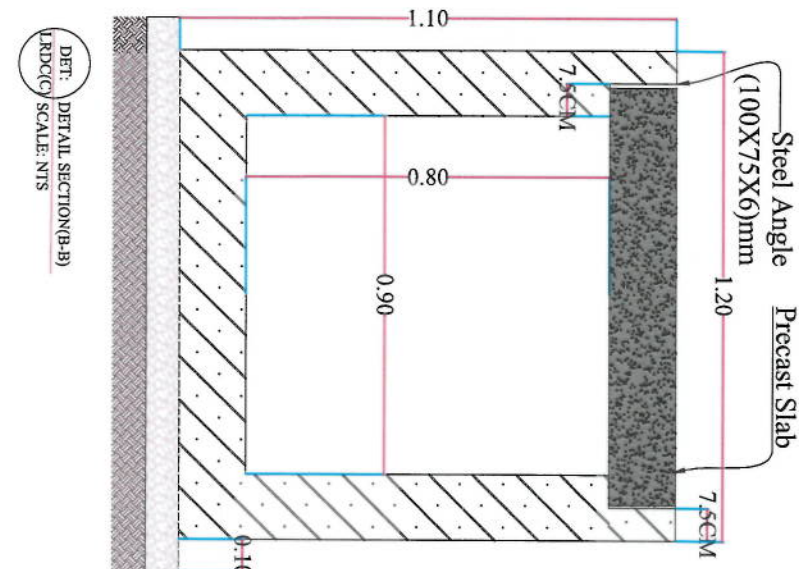
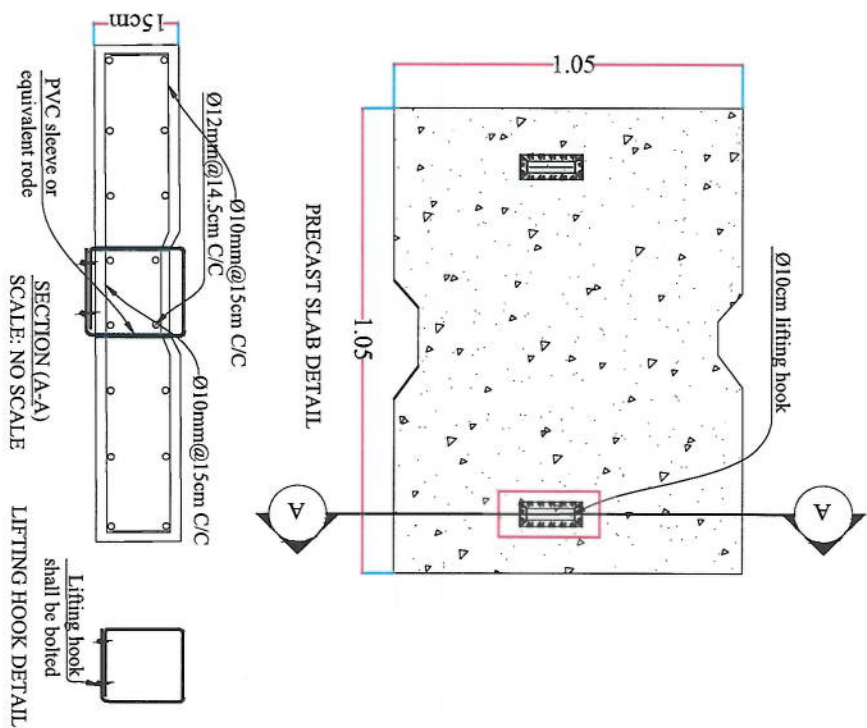
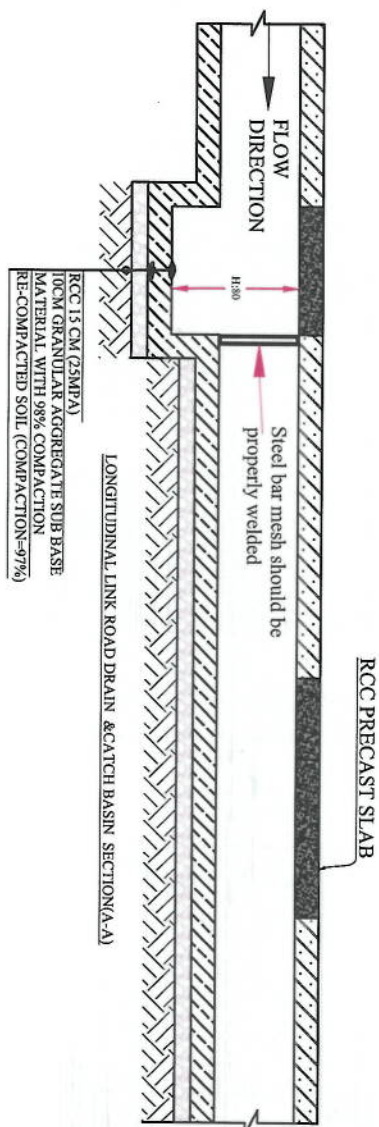
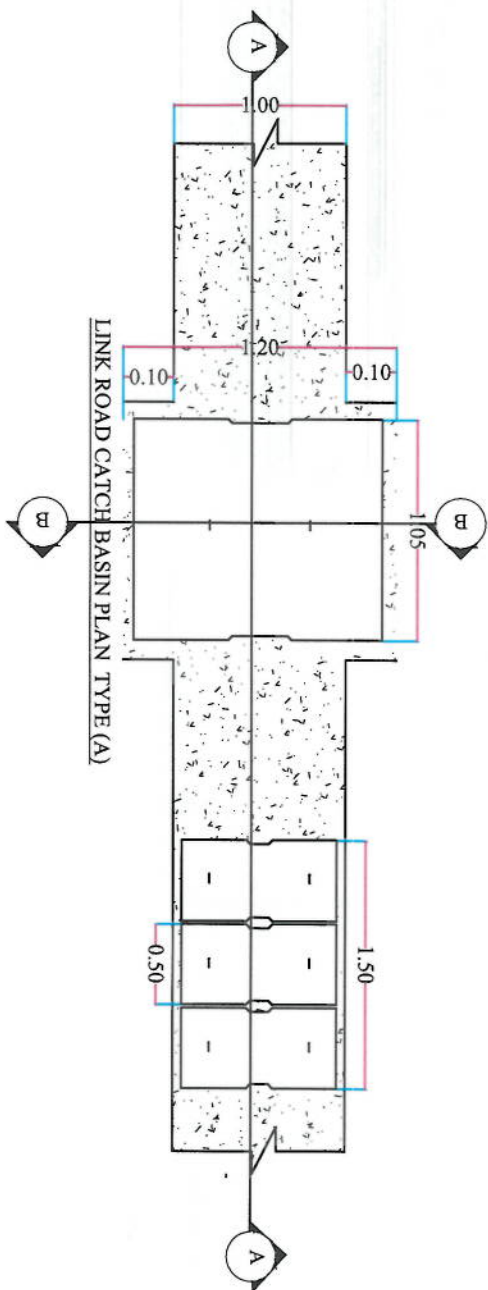
Date: 02/06/2023 Scale: 1:500

Sheet: FINAL DESIGN

Project Code

Revision

01



DITCH (120X110)CM REINFORCEMENT SCHEDULE			
Bar No	Bar Shape	Ø (mm)	Spacing (mm)
AS1	12	145	145
AS2	12	145	145
AS3	12	145	145
AS4	12	145	145
AS5	10	150	150
AS6	10	150	150
AS7	12	145	145
AS8	12	145	145
AS9	8	200	

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



Designed By:	
Checked By:	
Date:	
Revision:	
Drawn By:	
Date:	
Revision:	

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
KOT-E-SANGI TO DENHAZANG
ROAD PROJECT

Drawing Title:
CATCH BASIN DETAIL
TYPE (C)

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

Date: 02/06/2023 Scale: 1:500

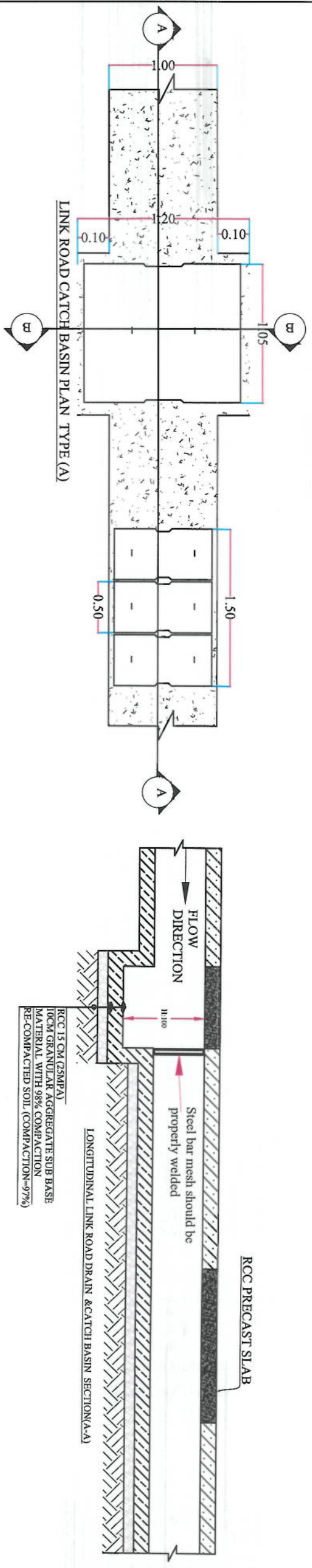
Sheet: FINEL DESIGN

Project Code:

Revision

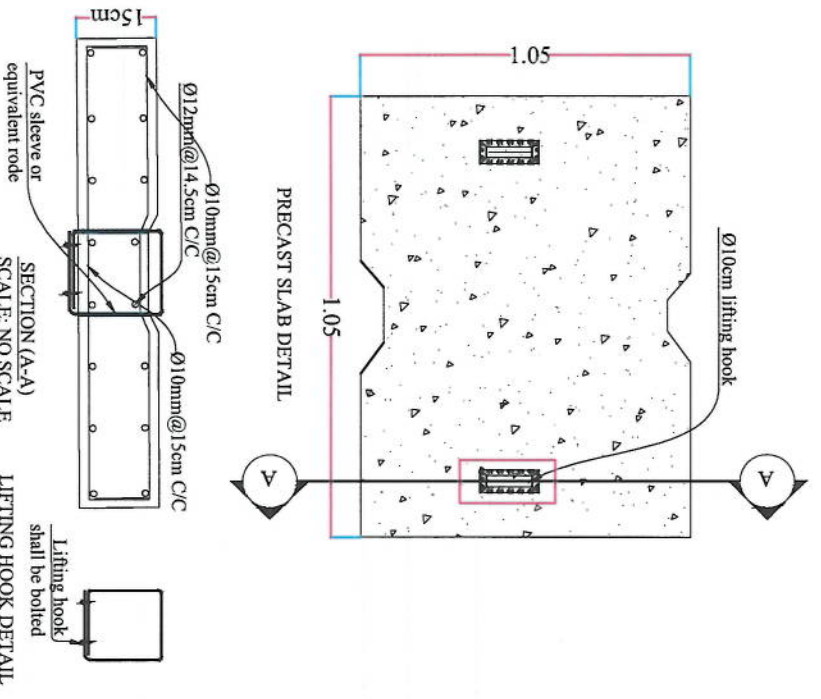
SHEET NO. CBD(3)

01

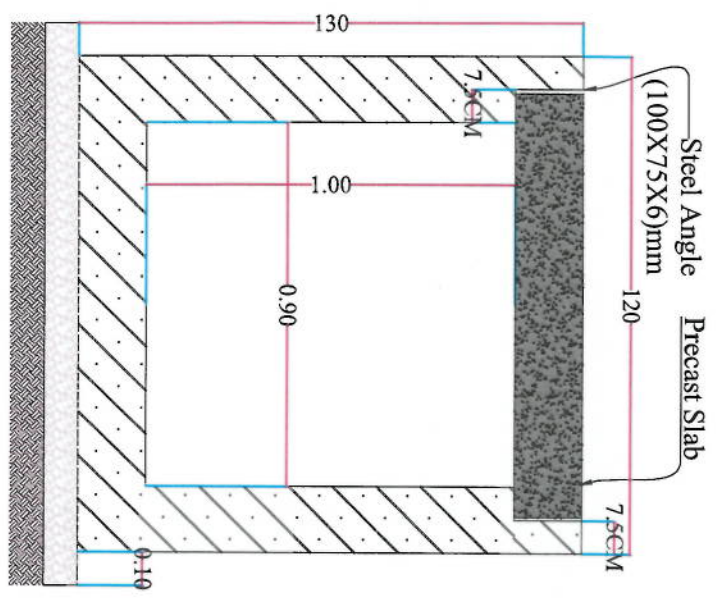


RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL (COMPACTION=97%)

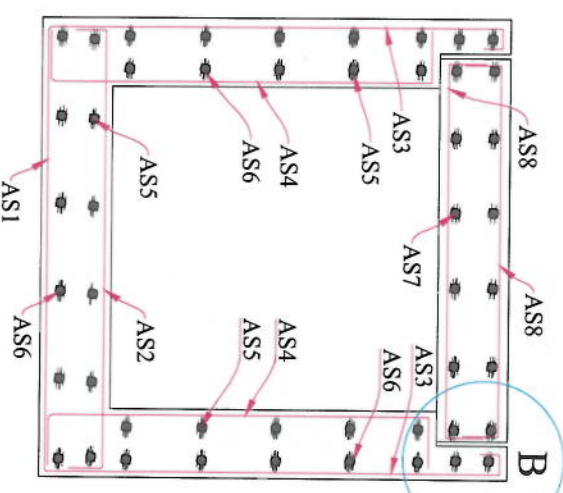
LONGITUDINAL LINK ROAD DRAIN & CATCH BASIN SECTION (A-A)



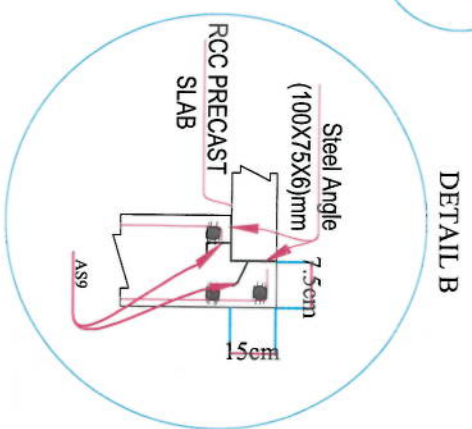
PRECAST SLAB DETAIL



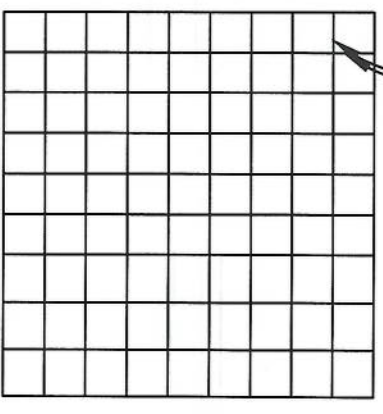
DET: DETAIL SECTION (B-B)
LRDC(D) / SCALE: NTS



DET: DETAIL OF REINFORCING SECTION (B-B)
LRDC(D) / SCALE: NTS



DETAIL B



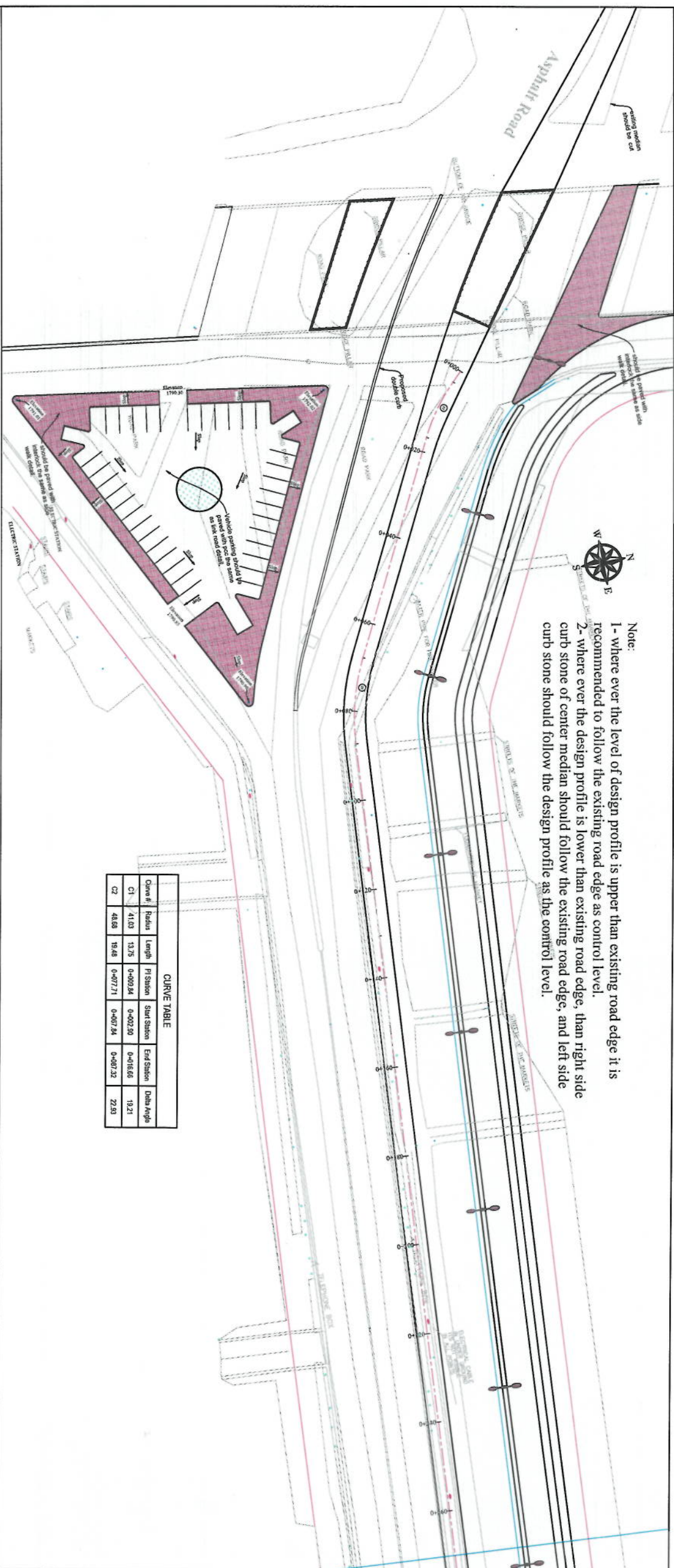
Ø10mm@5cm

DITCH (24X130)CM REINFORCEMENT SCHEDULE

Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
AS1		12	145	
AS2		12	145	
AS3		12	145	
AS4		12	145	
AS5		10	150	
AS6		10	150	
AS7		12	145	
AS8		12	145	
AS9		8	200	

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

Project Name: KOTE-SANGI TO DERMAZANG ROAD PROJECT		Designed By: ISLAMIC EMIRATE OF AFGHANISTAN	
Drawing Title: CATCH BASIN DETAIL TYPE (D)		Checked By: KABUL MUNICIPALITY DESIGN TEAM	
Drawn: Neoorjia Naseri		Signature: [Signature]	
Designed: Abdul Shakoor Manouar		Signature: [Signature]	
Checked: Habibullah Shahzai		Signature: [Signature]	
Date: 02/06/2023		Scale: 1:500	
Sheet No: CBD(4)		Revision: 01	



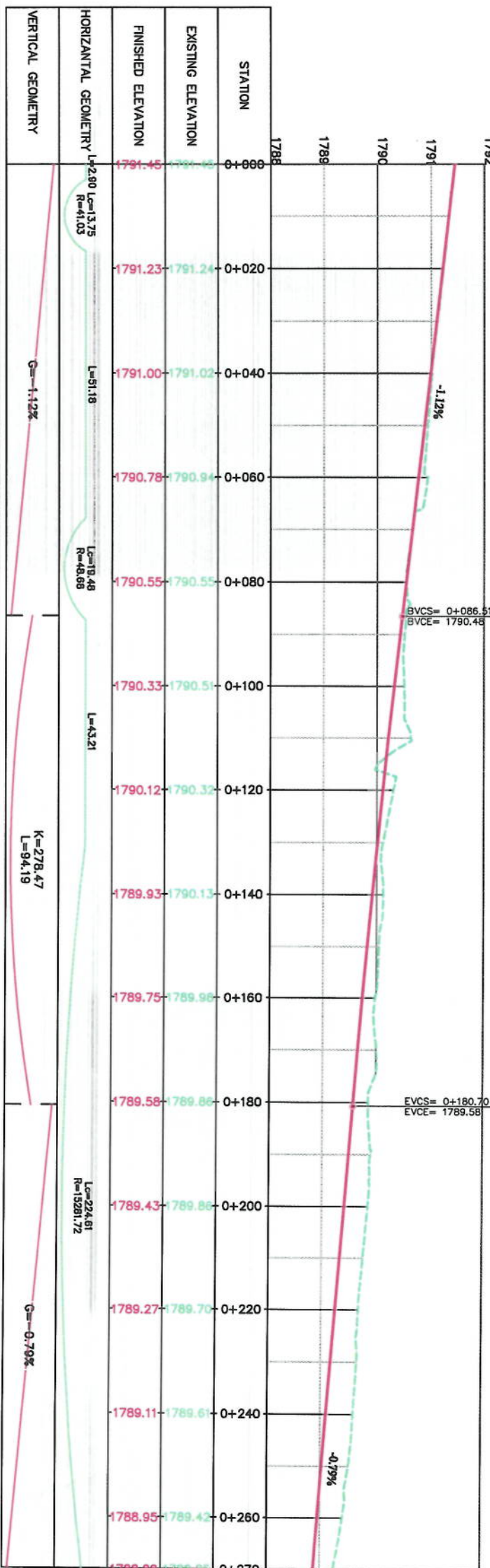
Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.

CURVE TABLE					
Curve #	Radius	Length	PI Station	Start Station	End Station
C1	41.03	13.75	0+000.84	0+002.50	0+016.66
C2	48.68	18.48	0+077.71	0+067.84	0+086.37

PM STA=0+133.60
PV ELEV=1789.55
LVC=84.19
K=278.47

BVCS = 0+086.51
BVCE = 1790.48

EVCS = 0+180.70
EVCE = 1789.58



HORIZONTAL GEOMETRY
L=2.80 Lc=13.75
R=41.03

L=51.18
Lc=18.48
R=48.68

L=43.21

L=224.61
R=15281.72

G=-1.12%

K=278.47
L=94.19

G=0.79%

NOTE:

- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing ground road level at start and at the end.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- 5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Cat-e-Sang To Delmazzang Road Project

Drawing Title:

PLAN & PROFILE

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

Date:	6/10/2023
Scale:	1:1000

Project Code:

FINAL DESIGN

Drawing Number:

PP-1

Revision:

00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.

WATER PUMP
TO DISTRIBUTE WATER



LEGENDS

- CENTER LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

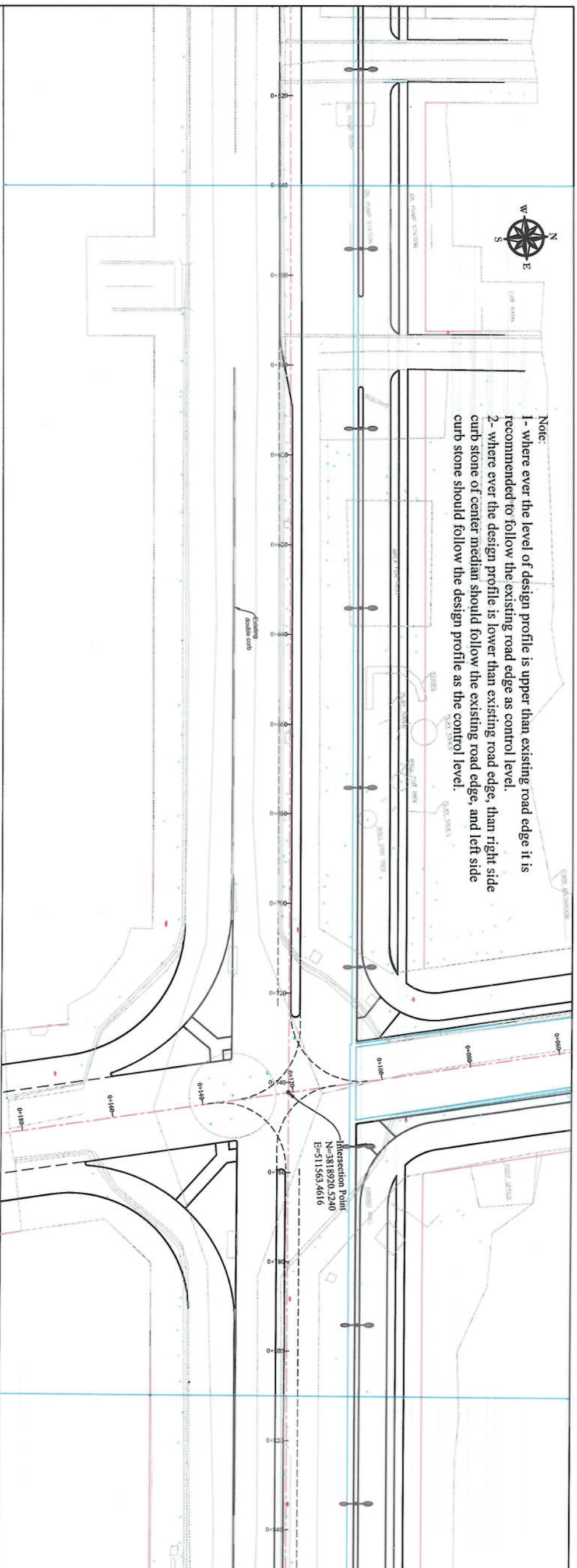
DESIGNED BY:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name
Co-6-Sang To Dehrazang
Road Project

PLAN & PROFILE

Designed by:	Signature:
Drawn by:	Signature:
Checked by:	Signature:
Hardhat/Shahe	
Date:	6/10/2023
Scale:	1:1000
Signature:	FINAL DESIGN
Project Code:	
Drawing Number	Revision
PP-2	00

Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



PM STA=0+724.46
PM ELEV=1786.38
LVC=45.37
K=111.81

BVCS= 0+701.77
BVCE= 1786.49

EVCS= 0+747.14
EVCE= 1786.18

HIGHEST POINT ELEV: 1786.49
HIGHEST POINT STATION: 0+701.77

STATION	1784	1785	1786	1787	1788
EXISTING ELEVATION	1784.00	1785.00	1786.00	1787.00	1788.00
FINISHED ELEVATION	1787.27	1787.20	1787.15	1787.07	1786.98
HORIZONTAL GEOMETRY	L=341.55 G=-0.48%				
VERTICAL GEOMETRY	K=111.81 L=45.37 G=-0.89%				

NOTE:

- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved road both at start and at the end.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- 5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



LEGENDS
CENTER-LINE
EXISTING SURFACE
EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Core-Sang To Delmazarang Road Project

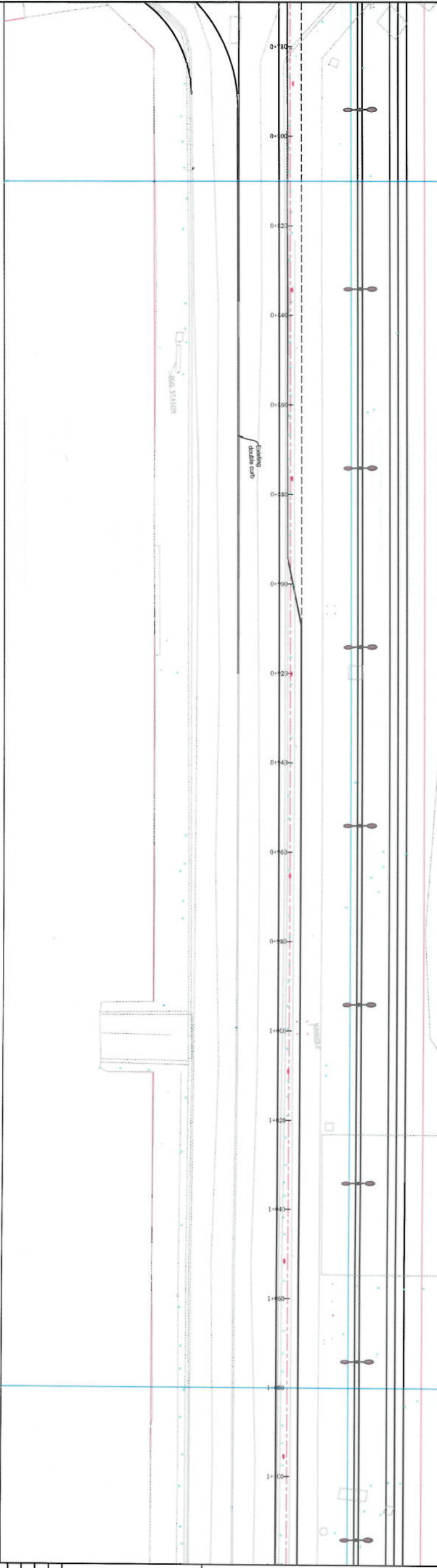
Drawing Title: PLAN & PROFILE

Designed by:	Signature
Drawn by:	Signature
Checked by:	Signature
Reviewed by:	Signature
Date:	6/10/2023
Scale:	1:1000
Sheet:	FINAL DESIGN
Project Code:	

Drawing Number	Revision
PP-3	00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



PVI STA=0+908.24
PVI ELEV=1784.75
LVC=153.08
K=302.39

BVCS= 0+831.70
BVCE= 1785.43

EVCS= 0+984.78
EVCE= 1784.46

STATION	EXISTING ELEVATION	FINISHED ELEVATION
0+800	1785.62	1785.53
0+820	1785.60	1785.53
0+840	1785.52	1785.36
0+860	1785.38	1785.19
0+880	1784.83	1785.04
0+900	1785.08	1784.90
0+920	1784.88	1784.78
0+940	1784.84	1784.66
0+960	1784.73	1784.57
0+980	1784.65	1784.48
1+000	1784.58	1784.40
1+020	1784.44	1784.33
1+040	1784.38	1784.25
1+060	1784.28	1784.18
1+080	1784.18	1784.10

HORIZONTAL GEOMETRY
L=571.01

VERTICAL GEOMETRY
G=-0.89%
K=302.39
L=153.08
G=-0.38%

NOTE:

- The lengths of all new side ditches have shown on the plan.
- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end.
- In case of changing to typical cross section type all components should be adjusted properly.
- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



LEGENDS
- - - CENTER-LINE
- - - EXISTING SURFACE
- - - EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Cot-Sung To Dehmanzang Road Project

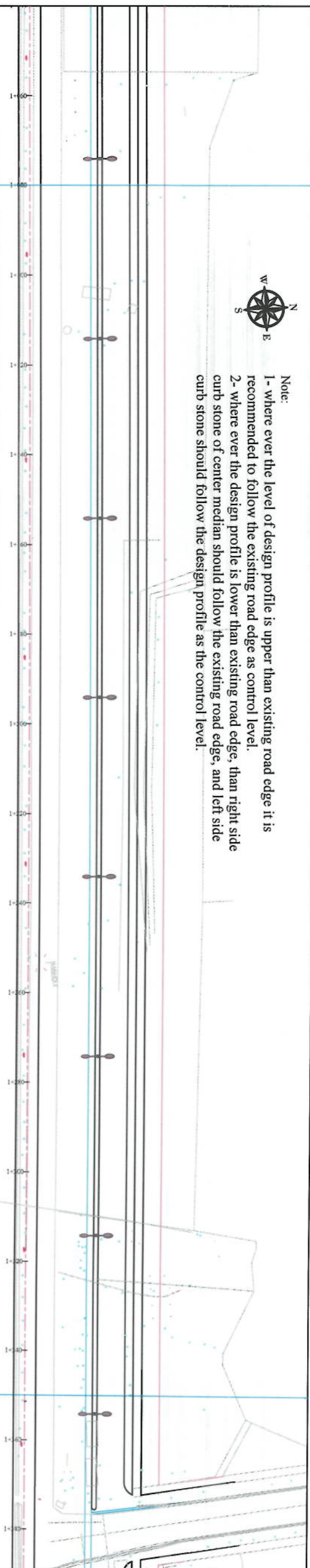
Drawing Title: PLAN & PROFILE

Designed by:	Signature
Drawn by:	Signature
Checked by:	Signature
Hamidullah Shafiei	Signature
Date:	6/10/2023
Scale:	1:1000
Sheet:	FINAL DESIGN
Project Code:	

Drawing Number	PP-4
Revision	00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

DESIGNED BY:
KABUL MUNICIPALITY
DESIGN TEAM

PROJECT NAME:
Circ-Sang To Dehrazang
Road Project

Drawing Title

PLAN & PROFILE

Designed by:	Signature
Drawn by:	Signature
Checked by:	Signature
Head of Office:	Signature

Date: 6/10/2023
Scale: 1:1000

Project Code

FINAL DESIGN

K=678.41
L=206.44

G=-0.36%

L=571.01

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1+000	1784.10	1784.13
1+100	1784.02	1784.13
1+120	1783.95	1784.12
1+140	1783.87	1783.98
1+160	1783.80	1783.95
1+180	1783.72	1783.87
1+200	1783.64	1783.67
1+220	1783.57	1783.63
1+240	1783.49	1783.50
1+260	1783.42	1783.50
1+280	1783.34	1783.54
1+300	1783.26	1783.26
1+320	1783.19	1783.15
1+340	1783.11	1783.11
1+350	1783.07	1783.14

PVI STA=1+419.18
PVI ELEV=1782.81
LVC=206.44
K=678.41

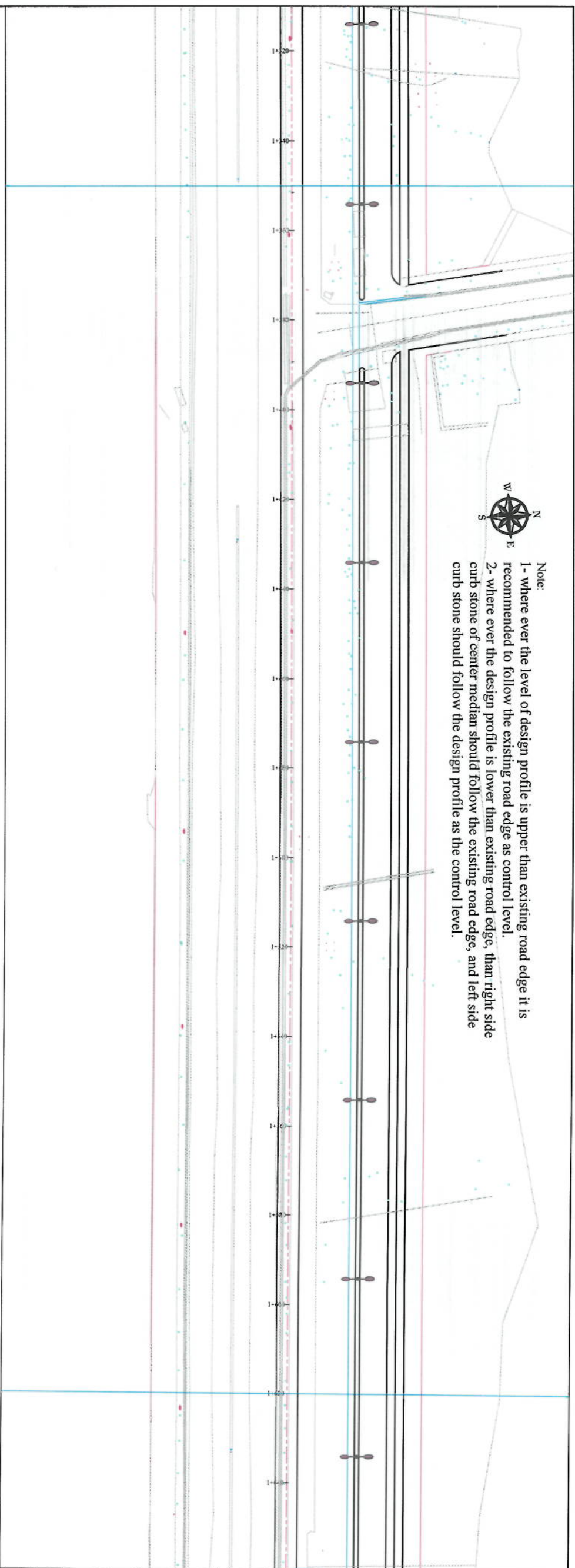
HIGHEST POINT ELEV: 1783.20
HIGHEST POINT STATION: 1+315.96



- NOTE:
- The lengths of all new side ditches have shown on the plan.
 - The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - In case of changing in typical cross section type all components should be adjusted properly.
 - All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
 - Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



PM STA=1+419.18
PM ELEV=1782.81
LVC=208.44
K=678.41

HIGHEST POINT ELEV: 1783.00
HIGHEST POINT STATION: 1+614.00

EVCS= 1+522.41
EVCE= 1782.10

PM STA=1+561.35
PM ELEV=1781.15
LVC=56.44
K=232.78

-0.68%

BVCS= 1+512.93
BVCE= 1781.49

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1780	1783.07	1783.02
1781	1783.03	1783.02
1782	1783.02	1782.93
1783	1782.85	1782.83
1784	1782.76	1782.73
1785	1782.57	1782.62
1786	1782.57	1782.50
1787	1782.43	1782.38
1788	1782.31	1782.25
1789	1782.28	1782.12
1790	1782.08	1781.98
1791	1781.94	1781.85
1792	1781.85	1781.71
1793	1781.72	1781.57
1794	1781.56	1781.44

HORIZONTAL GEOMETRY
L=37.90
R=42857.12

L=1703.52

K=678.41
L=208.44

G=-0.68%

K=232.78
L=96.84

NOTE

1. The heights of all new side ditches have shown on the plan.
2. The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
3. In case of changing in typical cross section type all components should be adjusted properly.
4. All Road levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
5. Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

DESIGNED BY:
KABUL MUNICIPALITY
DESIGN TEAM

PROJECT NAME:
Circ-Sang To Dehazang
Road Project

PLAN & PROFILE

Designed by:
Signature:
Checked by:
Signature:

Date:
6/10/2023
Scale:
1:1000

Status:
FINAL DESIGN

Project Code

Drawing Number
PP-6

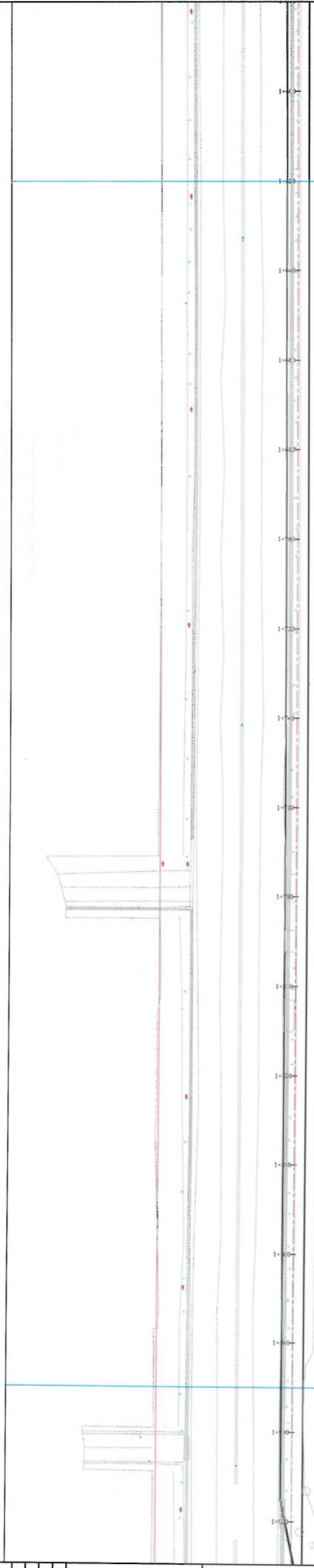
Revision
00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile.

NOT LET TO SURVEY THIS ARE

NOT LET TO SURVEY THIS ARE



PM STA=1+661.35
PM ELEV=1781.15
LVC=96.84
K=232.78

EVCS= 1+709.77
EVCE= 1781.02

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1778	1781.44	1781.32
1780	1781.36	1781.46
1782	1781.21	1781.23
1784	1781.12	1781.15
1786	1781.05	1781.13
1788	1781.00	1781.08
1790	1780.94	1781.06
1792	1780.89	1780.98
1794	1780.84	1781.01
1796	1780.78	1781.01
1798	1780.73	1780.96
1800	1780.68	1780.85
1802	1780.62	1780.79
1804	1780.57	1780.66
1806	1780.54	1780.61

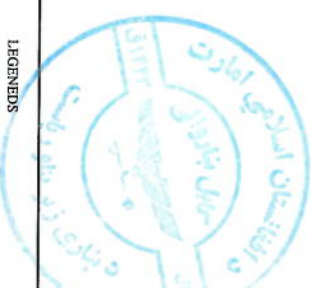
L=1703.52

K=232.78
L=96.84

G=-0.27%

NOTE:

- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved roads both at start end at the end properly.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- 5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE
--- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC REPUBLIC OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Core-Sang To Dahmazang Road Project

Drawing Title:

PLAN & PROFILE

Designed by:	Signature:
Drawn by:	Signature:
Checked by:	Signature:
Hamidullah Shalizi	
Date:	Scale:
6/10/2023	1:1000

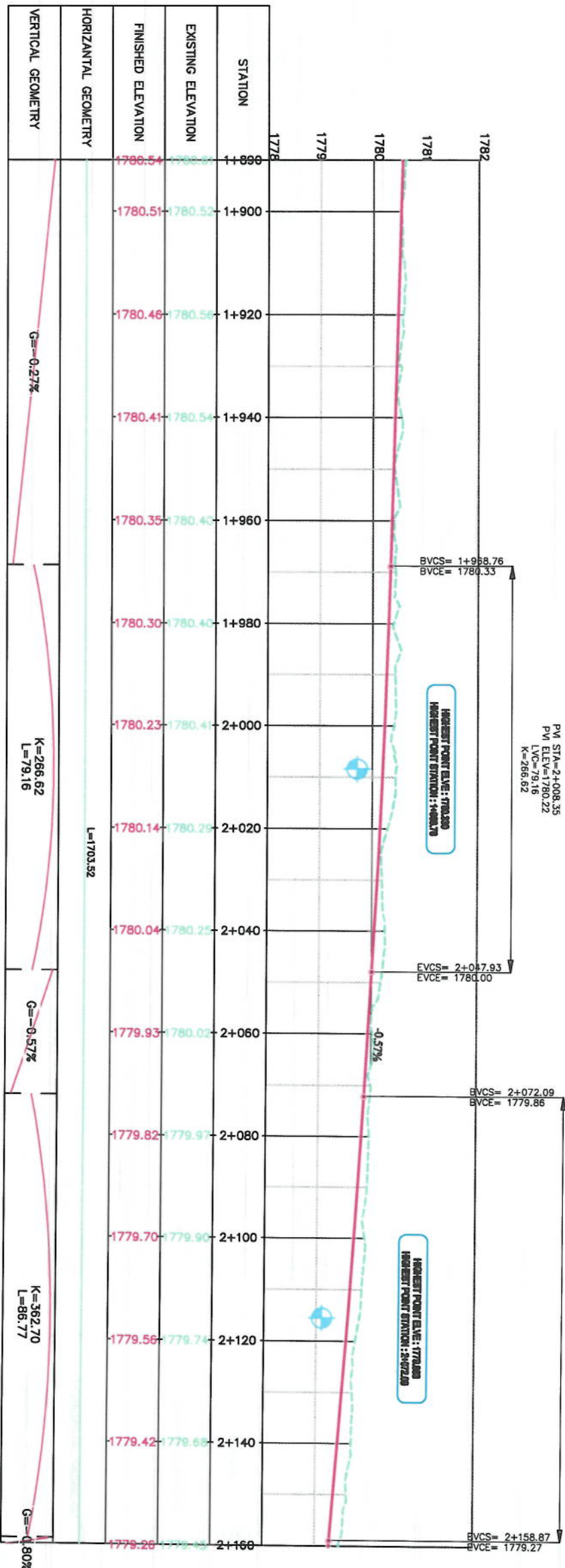
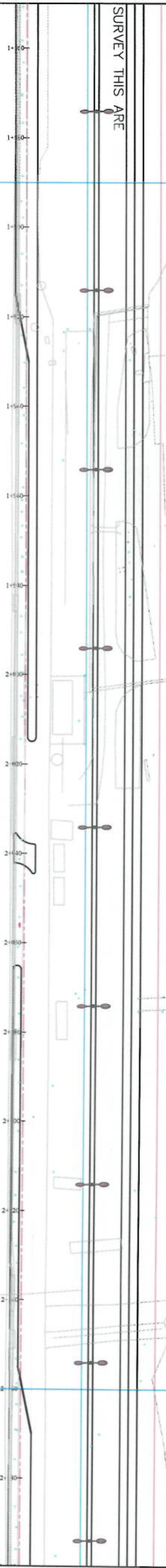
Status: FINAL DESIGN

Project Code:

Drawing Number	Revision
PP-7	00



- Note:
- 1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
 - 2- where ever the design profile is lower than existing road edge, than right side curb stone of existing road should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



NOTE:

- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Red levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- 5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

DESIGNED BY:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Ce-Saig To Dehmazang Road Project

Drawing Title:

PLAN & PROFILE

Designed by: Signature

Drawn by: Signature

Checked by: Signature

Signature

Date: 6/10/2023

Scale: 1:1000

Sheet: FINAL DESIGN

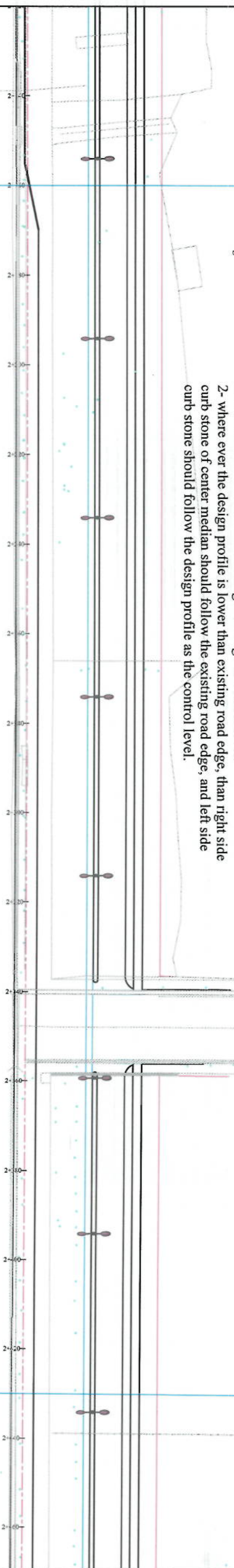
Project Code:

Drawing Number: PP-8

Revision: 00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name
Cor-e-Sang To Dehrazang
Road Project

Drawing Title

PLAN & PROFILE

Designed by:	Signature
Drawn by:	Signature
Checked by:	Signature
Hashimullah Shahzai	Signature

Date	Scale
6/10/2023	1:1000

Sheet: FINAL DESIGN

Project Code

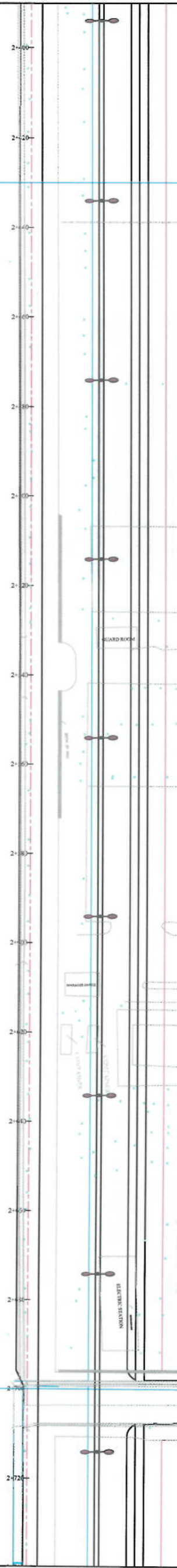
Drawing Number	Revision
PP-9	00

NOTE:

- The lengths of all new side ditches have shown on the plan.
- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
- In case of changing in typical cross section type all components should be adjusted properly.
- All Bed levels of new ditches should be adjusted to the existing ditch bed levels to direct surface water properly.
- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has done based on the survey with less accuracy and it is necessary to re-survey the area after the construction of houses.



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



PM STA=2+576.00
PVI ELEV=1777.61
L=1091.38
K=1091.38

BVCS= 2+520.12
BVCE= 1777.76

EVCS= 2+631.87
EVCE= 1777.40

HIGHEST POINT ELEV: 1777.281
HIGHEST POINT STATION: 2+588.12

STATION	EXISTING ELEVATION	FINISHED ELEVATION
1776	1776.01	1776.17
2+438	1777.98	1778.17
2+440	1777.98	1778.17
2+460	1777.93	1778.15
2+480	1777.87	1778.15
2+500	1777.82	1778.0
2+520	1777.76	1777.9
2+540	1777.70	1777.7
2+560	1777.64	1777.8
2+580	1777.58	1777.7
2+600	1777.51	1777.7
2+620	1777.44	1777.6
2+640	1777.37	1777.6
2+660	1777.29	1777.5
2+680	1777.22	1777.4
2+700	1777.14	1777.3

G=-0.27%

K=1091.38
L=111.76

G=-0.38%

NOTE:

- The lengths of all new side ditches have shown on the plan.
- The finished level of new roads should be adjusted to the existing paved roads both at start end at the end properly.
- In case of changing in typical cross section type all components should be adjusted properly.
- All Bed level of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- Because of misaligned area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

KABUL MUNICIPALITY DESIGN TEAM

Co-ordinator To Dehrazang Road Project

PLAN & PROFILE

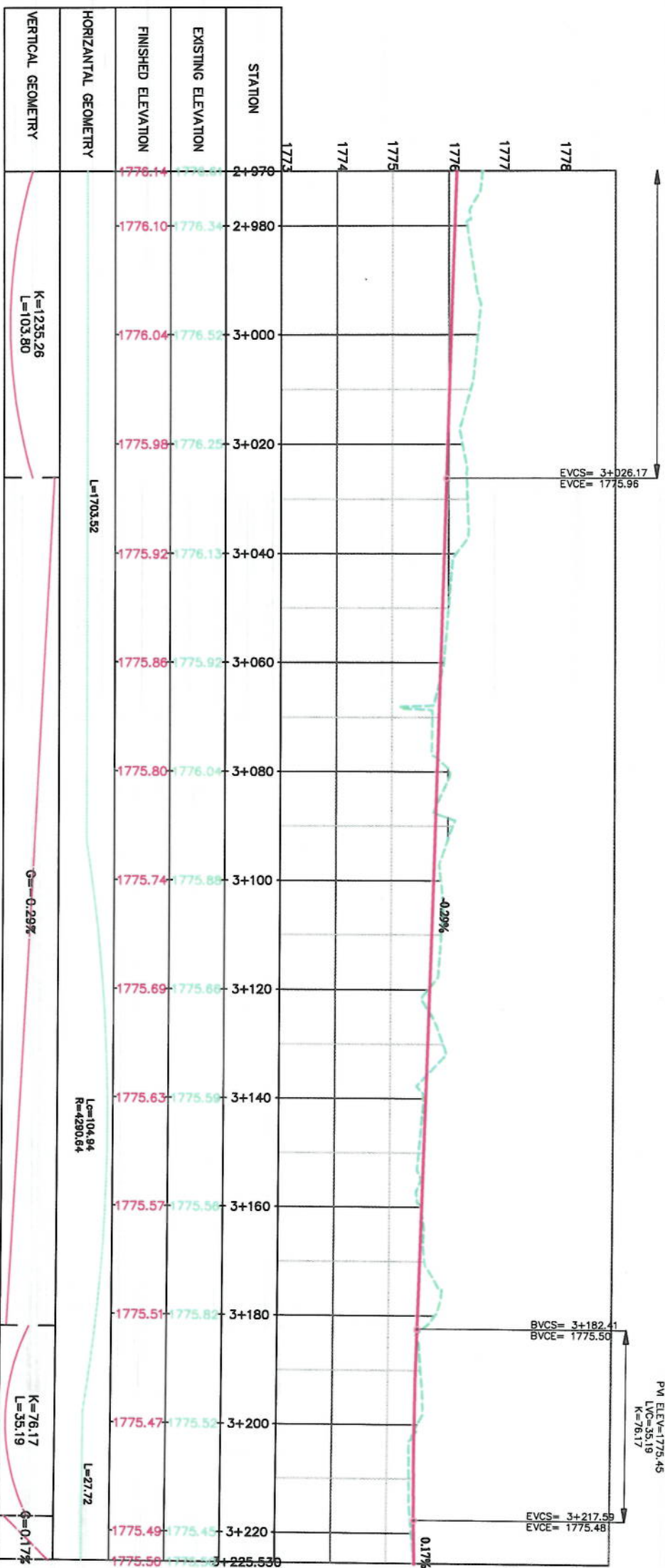
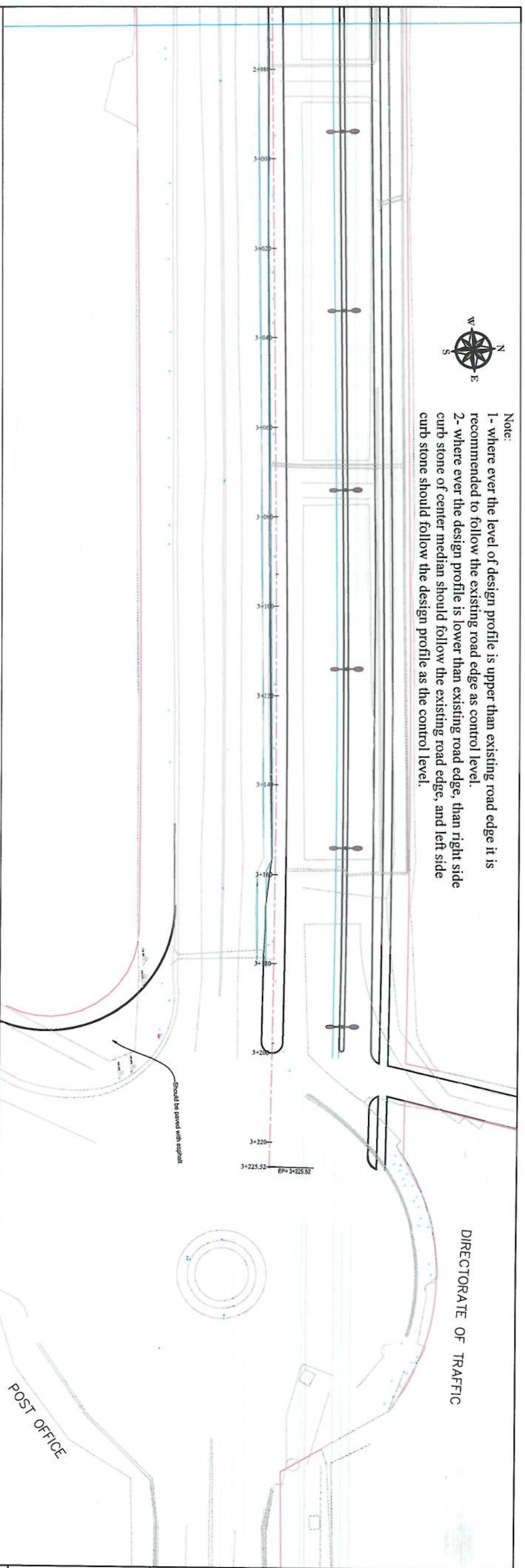
Designed by:	Signature:
Drawn by:	Signature:
Checked by:	Signature:
Date:	6/10/2023
Scale:	1:1000

FINAL DESIGN

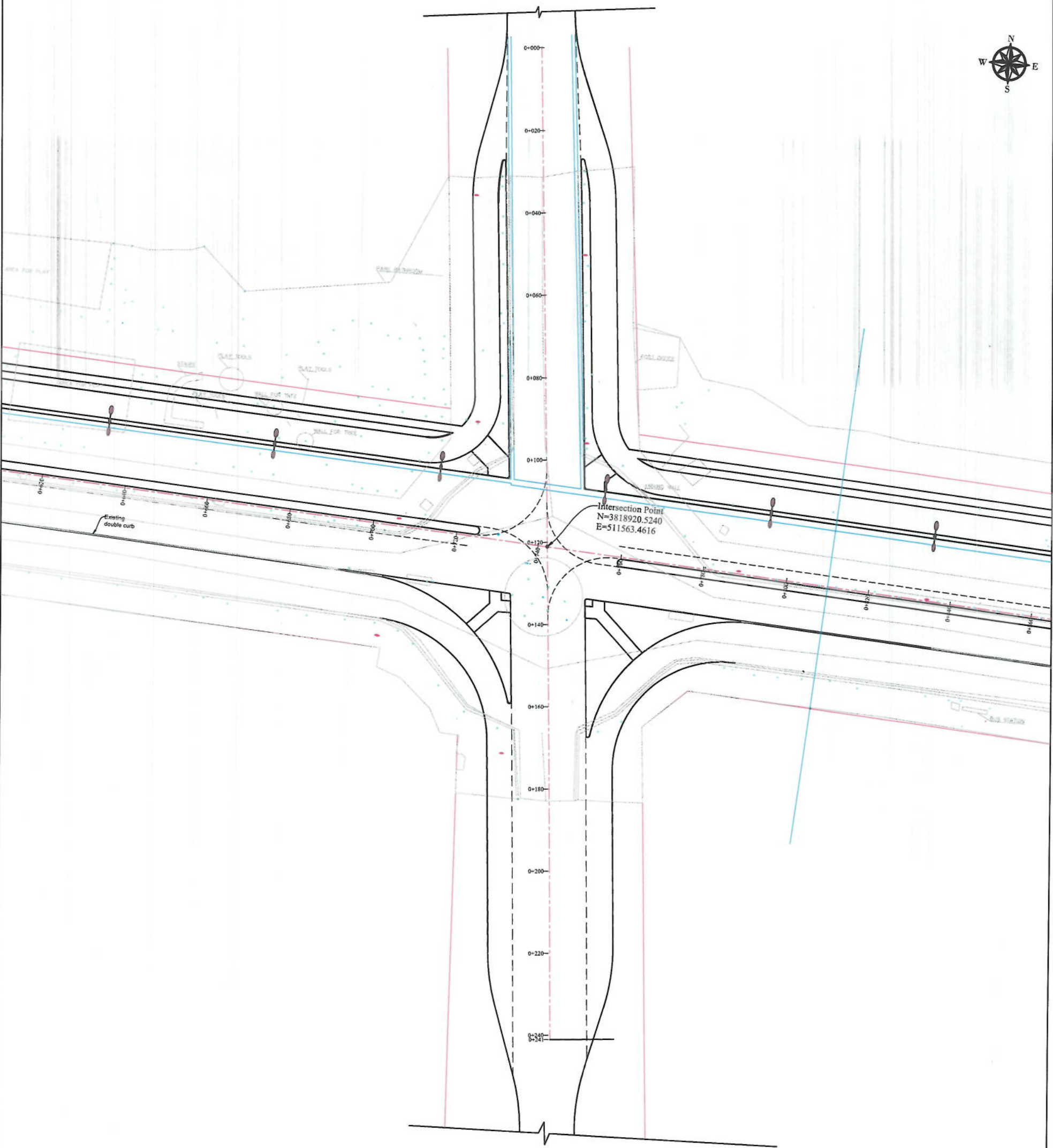
Drawing Number	Revision
PP-10	00



Note:
1- where ever the level of design profile is upper than existing road edge it is recommended to follow the existing road edge as control level.
2- where ever the design profile is lower than existing road edge, than right side curb stone of center median should follow the existing road edge, and left side curb stone should follow the design profile as the control level.



NOTE:		1- The lengths of all new side ditches have shown on the plan.
		2- The finished level of new roads should be adjusted to the existing ground level at start and at the end.
		3- In case of changing in typical cross section type all components should be adjusted properly.
		4- All foot levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
		5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.
LEGENDS		CENTER-LINE
		EXISTING SURFACE
		EXISTING SIDE DITCH
Client		KABUL MUNICIPALITY
Designed by:		KABUL MUNICIPALITY DESIGN TEAM
Project Name		Cot-Singli to Dehrazang Road Project
Drawing Title		PLAN & PROFILE
Designed by:		Mohammad Eisa Sural
Drawn by:		Mohammad Eisa Sural
Checked by:		Hassanullah Shayan
Date		6/10/2023
Scale		1:1000
Status		FINAL DESIGN
Project Code		
Drawing Number		PP-12
Revision		00



NOTE:

- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end.
- 3- In case of changing in typical cross section types all components should be adjusted properly.
- 4- All Road levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
- 5- Because of residential area on the site, the survey team was not allowed to enter the houses, therefore, the design has been based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



LEGENDS

- CENTER LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Cot-Sing To Dehrazang Road Project

Drawing Title:

PLAN & PROFILE

Designed by:

Mohammad Eisa Sraat

Drawn by:

Mohammad Eisa Sraat

Checked by:

Hassanullah Shalizi

Signature:

Signature:

Date:

6/10/2023

Scale:

1:1000

Sheet:

FINAL DESIGN

Project Code:

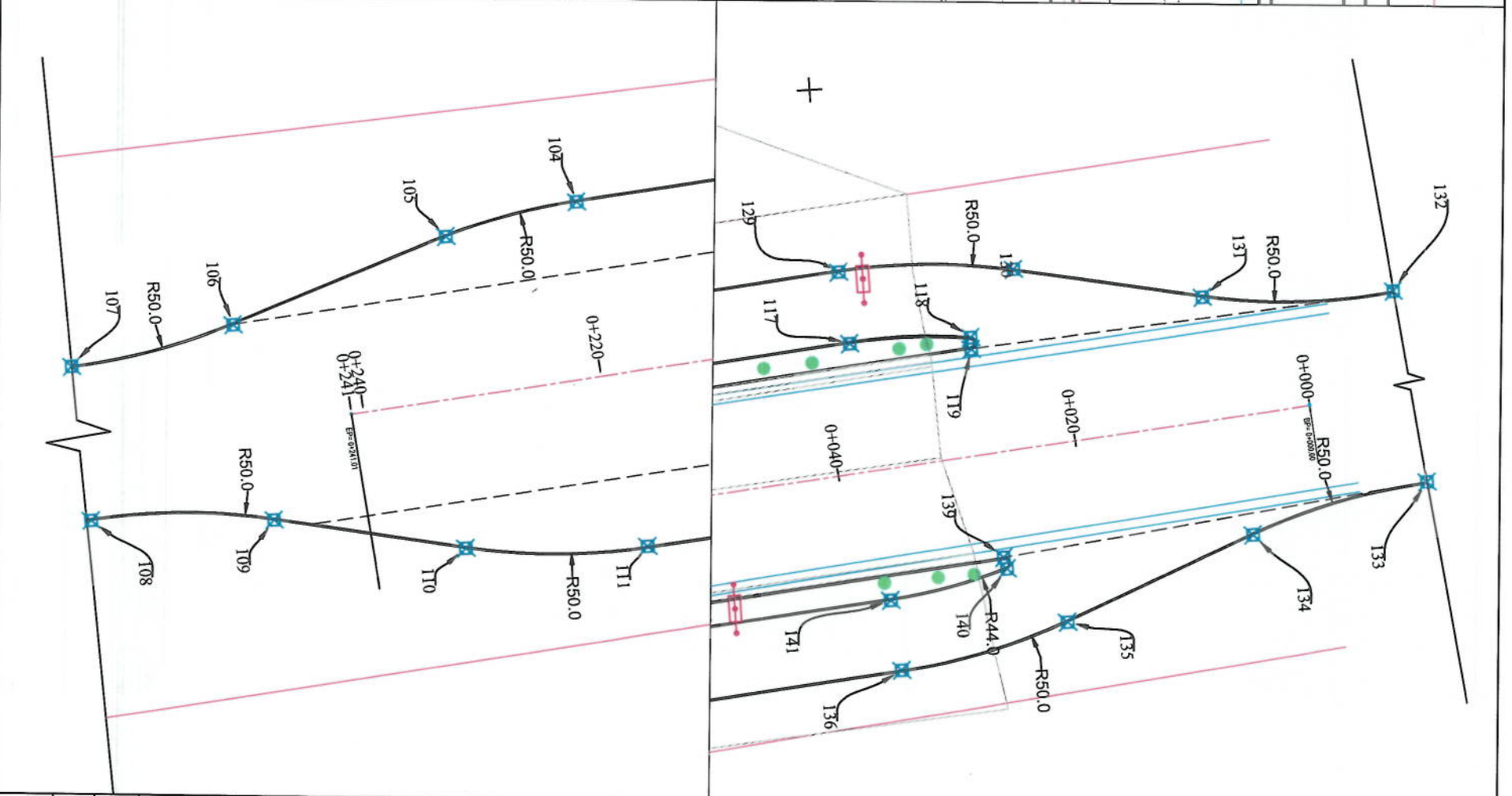
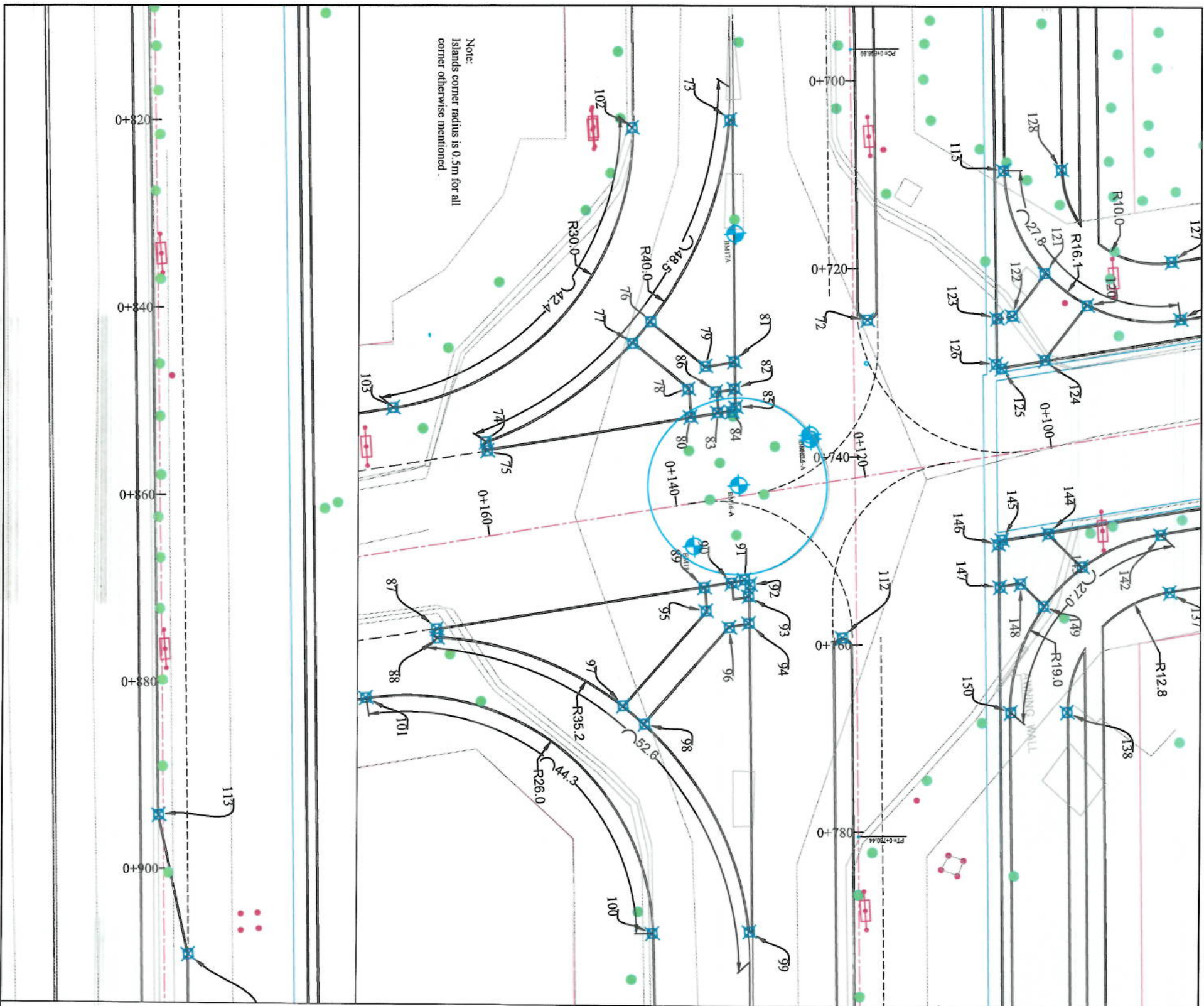
PP-13

Drawing Number:

00

Revision:

00



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

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Client: KABIL MUNICIPALITY

Designed by: KABIL MUNICIPALITY DESIGN TEAM

Project Name: Cct-Sangl To Dahnazang Road Project

Drawing Title: IMPLEMENTATION PLAN

Designed by:

Checked by:

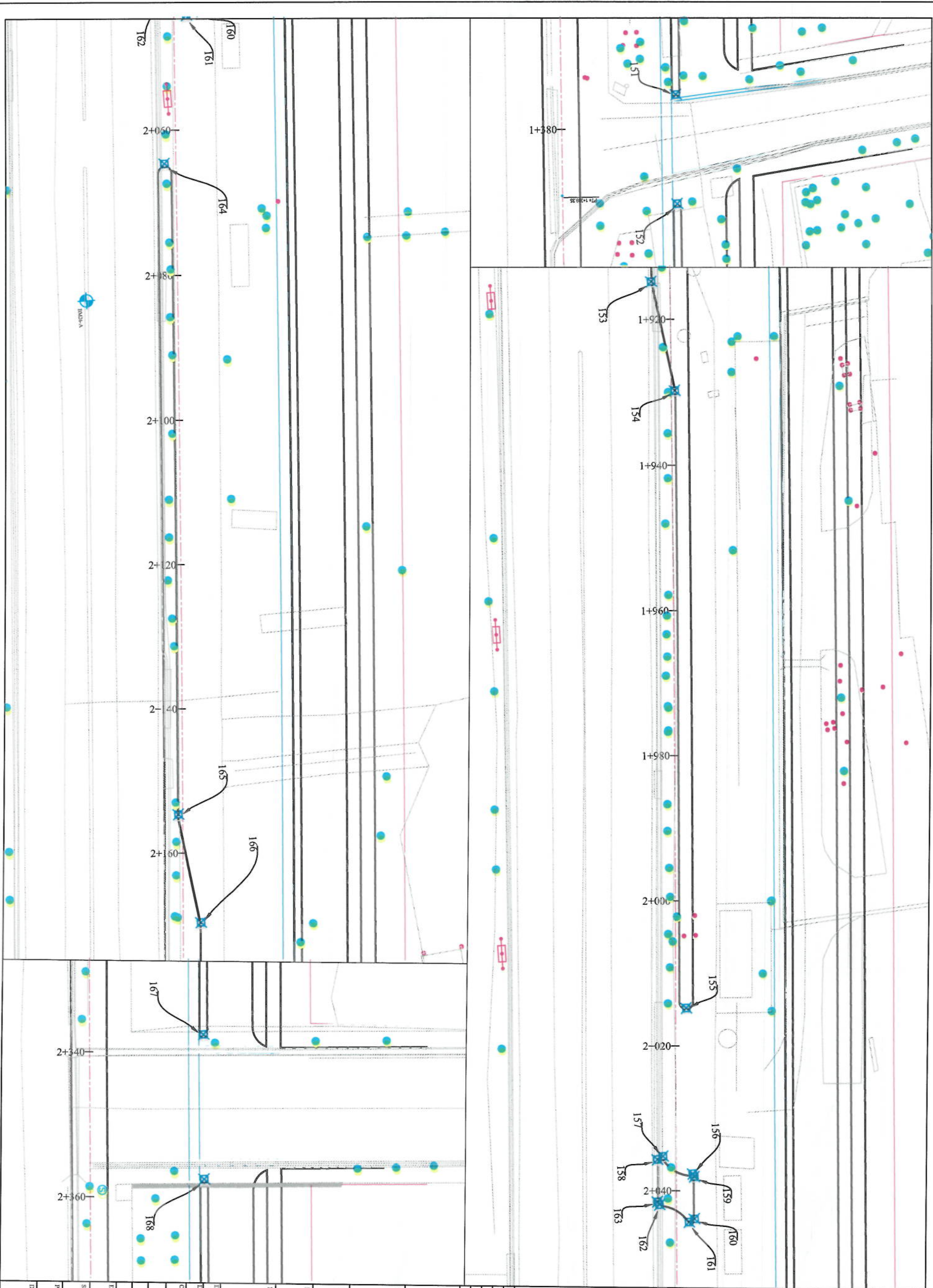
Date: 6/7/2023

Scale: 1:1000

Status: FINAL DESIGN

Drawing Number: IP-2

Revision: 00



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

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH



Date	Revision Details	Drawn

Client
ISLAMIC EMIRATE OF AFGHANISTAN

Client
KABUL MUNICIPALITY

Designed by
KABUL MUNICIPALITY DESIGN TEAM

Project Name
Col-Sang To Dehnamang Road Project

Drawing Title
IMPLEMENTATION PLAN

Designed by
Muhammad Fiaz Sani
Checked by
Muhammad Fiaz Sani
Signature
Muhammad Fiaz Sani
Signature
Muhammad Fiaz Sani

Date
6/7/2023
Scale
1:500

Project Code
FINAL DESIGN

Drawing Number
IP-3
Revision
00

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

LEGENDS
— CENTER LINE
--- EXISTING SURFACE
— EXISTING SIDE DITCH



Client	KABUL MUNICIPALITY
Designed by	KABUL MUNICIPALITY DESIGN TEAM
Project Name	Col-Sang To Dohmang Road Project
Drawing Title	IMPLEMENTATION PLAN
Drawn by	Mohammad Isha Sani
Checked by	Hamidullah Shalizi
Date	6/7/2023
Scale	1:500
Sheet	FINAL DESIGN
Project Code	
Drawing Number	IP-4
Revision	00

Point #	Northing	Easting
102	3818899.71	511525.17
103	3818872.54	511553.13
104	3818820.81	511558.08
105	3818809.80	511560.37
106	3818791.58	511566.81
107	3818777.86	511569.54
108	3818778.67	511582.82
109	3818794.00	511583.69
110	3818809.82	511587.08
111	3818824.94	511587.82
112	3818918.02	511580.79
113	3818911.20	511715.62
114	3818913.32	511730.77
115	3818938.39	511532.38
116	3818956.15	511549.40
117	3819002.81	511545.23
118	3819012.91	511545.31
119	3819012.89	511546.30
120	3818946.27	511547.29
121	3818942.01	511543.59

Point #	Northing	Easting
82	3818908.46	511553.59
83	3818906.54	511555.99
84	3818908.03	511556.02
85	3818908.49	511555.57
86	3818906.52	511553.78
87	3818875.49	511576.96
88	3818875.47	511577.96
89	3818903.88	511574.48
90	3818906.76	511574.21
91	3818908.15	511573.94
92	3818908.69	511574.48
93	3818908.46	511575.71
94	3818908.29	511578.59
95	3818903.91	511576.99
96	3818906.22	511578.91
97	3818994.55	511586.54
98	3818996.69	511588.64
99	3818906.17	511611.48
100	3818896.03	511610.99
101	3818867.64	511583.87

Point #	Northing	Easting
62	3819032.65	510840.73
63	3819011.31	510843.76
64	3819010.23	510843.14
65	3819010.31	510843.27
66	3819045.88	510841.08
67	3819011.00	510860.44
68	3818946.27	511387.66
69	3818945.12	511407.62
70	3818927.64	511396.16
71	3818929.77	511411.31
72	3818922.89	511547.23
73	3818909.97	511525.05
74	3818881.98	511557.44
75	3818882.07	511558.43
76	3818900.26	511545.87
77	3818898.18	511548.04
78	3818903.67	511553.30
79	3818905.62	511551.01
80	3818903.70	511556.27
81	3818908.63	511550.71

Point #	Northing	Easting
42	3818966.77	510830.34
43	3818966.10	510817.72
44	3818976.09	510818.84
45	3818982.30	510790.93
46	3818992.20	510792.39
47	3819002.61	510793.58
48	3818948.78	510900.35
49	3819000.02	510819.53
50	3819007.44	510824.71
51	3819027.73	510797.19
52	3819015.81	510795.53
53	3819050.01	510753.44
54	3819054.48	510750.41
55	3819040.81	510768.94
56	3819009.16	510841.74
57	3819009.76	510842.48
58	3819015.33	510840.30
59	3819052.06	510830.26
60	3819028.73	510839.59
61	3819032.54	510839.75

Point #	Northing	Easting
22	3818945.67	510881.62
23	3818940.61	510872.98
24	3818941.30	510872.36
25	3818945.24	510874.41
26	3818945.91	510874.17
27	3818961.18	510842.22
28	3818960.95	510841.56
29	3818957.76	510840.20
30	3818957.79	510839.29
31	3818962.49	510837.51
32	3818961.23	510834.46
33	3818956.43	510836.60
34	3818955.75	510836.06
35	3818956.57	510831.92
36	3818956.16	510831.34
37	3818938.49	510828.64
38	3818938.99	510825.53
39	3818932.56	510827.68
40	3818933.07	510824.58
41	3818969.51	510831.76

Point #	Northing	Easting
1	3818901.81	510819.53
2	3818900.76	510820.95
3	3818910.83	510828.05
4	3818909.46	510831.05
5	3818917.05	510825.53
6	3818917.63	510825.12
7	3818915.83	510830.34
8	3818916.32	510830.07
9	3818914.09	510833.17
10	3818914.10	510833.80
11	3818911.57	510835.04
12	3818911.34	510835.71
13	3818925.70	510871.78
15	3818928.34	510877.16
16	3818936.05	510873.38
17	3818936.74	510873.66
18	3818939.32	510881.37
19	3818943.25	510879.97
20	3818938.09	510897.03
21	3818939.96	510896.84

Point Table

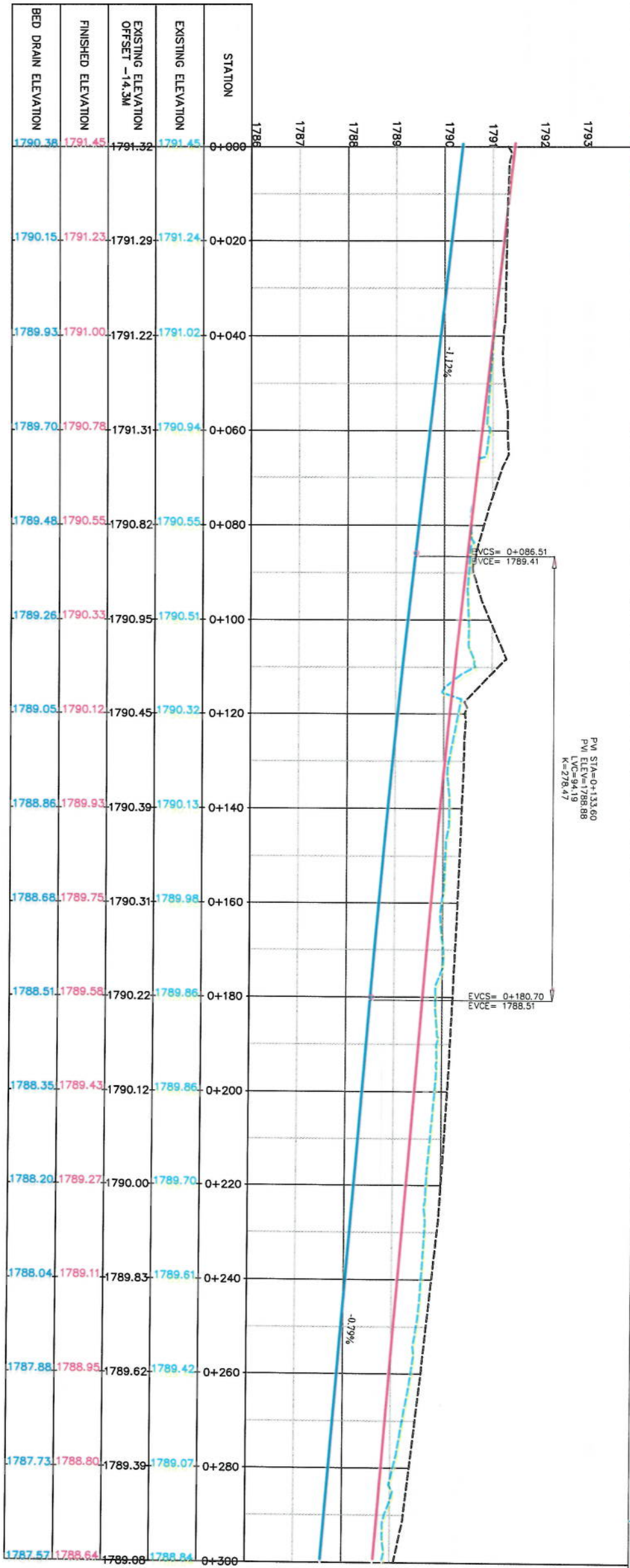
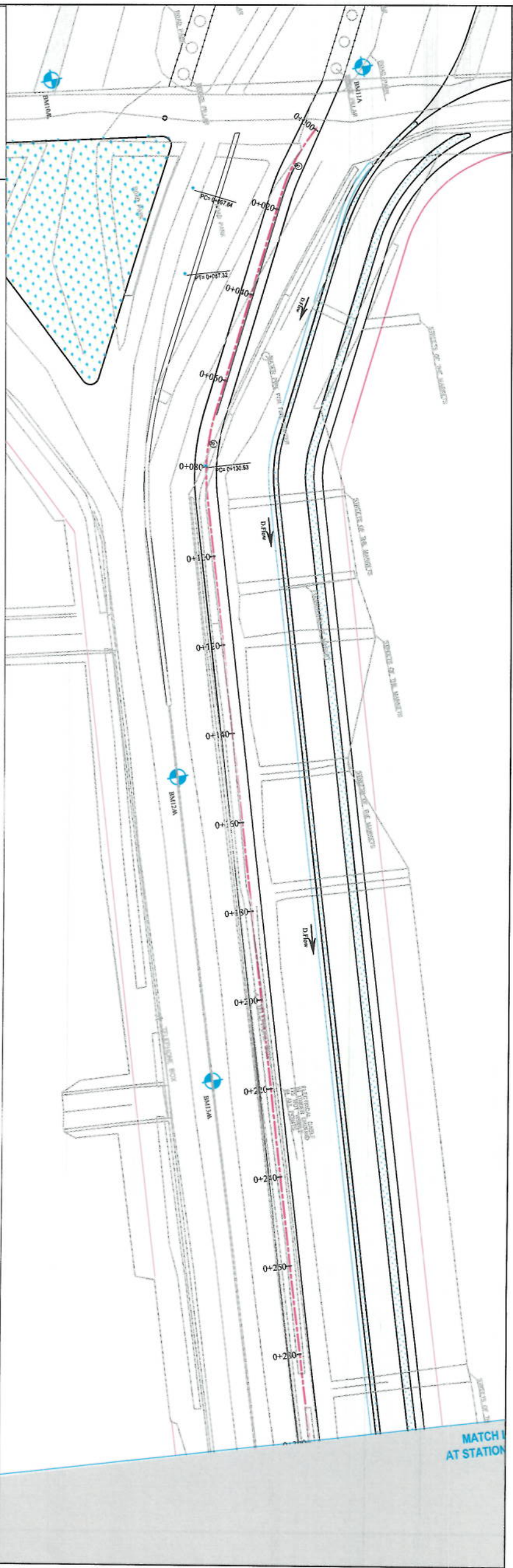
Point #	Northing	Easting
162	3818842.35	512861.48
163	3818842.13	512861.04
164	3818841.75	512884.34
165	3818837.44	512874.19
166	3818839.58	512889.34
167	3818842.81	513157.79
168	3818841.62	513177.75
169	3818790.79	514018.14
170	3818837.37	510847.88
171	3818880.16	510831.52
172	3818953.75	510885.58

Point Table

Point #	Northing	Easting
142	3818952.43	511572.14
143	3818943.84	511574.95
144	3818940.53	511571.24
145	3818935.54	511571.55
146	3818935.09	511572.02
147	3818934.98	511576.50
148	3818937.19	511576.31
149	3818939.44	511578.84
150	3818935.22	511589.96
151	3818899.39	512197.14
152	3818898.51	512212.11
153	3818849.59	512734.54
154	3818851.72	512749.69
155	3818847.70	512834.60
156	3818847.15	512857.46
157	3818843.25	512854.83
158	3818842.47	512855.22
159	3818847.32	512857.90
160	3818846.99	512863.73
161	3818846.21	512864.11

Point Table

Point #	Northing	Easting
122	3818938.24	511547.84
123	3818936.62	511547.99
124	3818941.40	511552.78
125	3818936.73	511553.36
126	3818936.19	511552.83
127	3818955.59	511543.28
128	3818944.53	511532.74
129	3819002.25	511539.10
130	3819016.86	511539.75
131	3819032.49	511543.08
132	3819048.70	511543.54
133	3819050.58	511559.88
134	3819035.54	511563.55
135	3819019.49	511570.00
136	3819005.40	511573.26
137	3818953.00	511578.26
138	3818941.21	511590.31
139	3819014.54	511564.22
140	3819014.74	511565.20
141	3819004.84	511567.28



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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Details	Drawn	Checked	App'd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name
Kot-e-Sangi To Demazang Road Project

Drawing Title:

DRAINAGE PLAN & PROFILE

Drawn	A. Shukur Memon	Signature
Designed	A. Shukur Memon	Signature
Checked	Hushkula Shukur	Signature

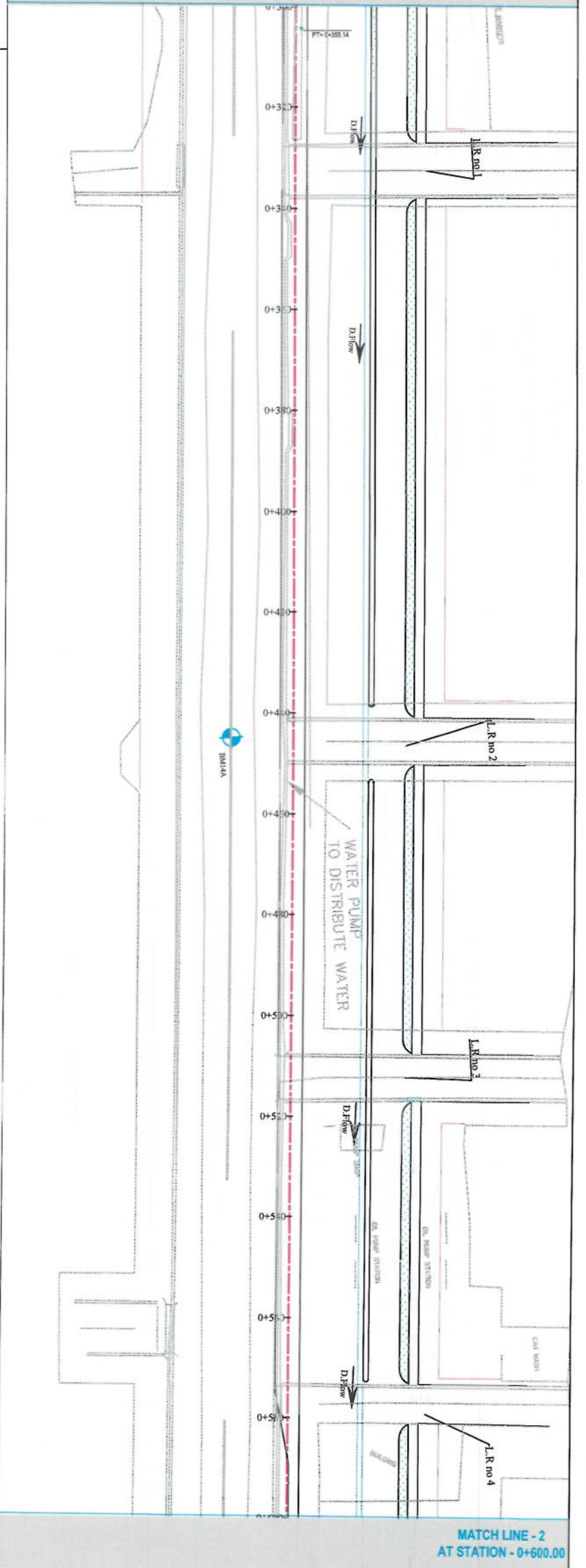
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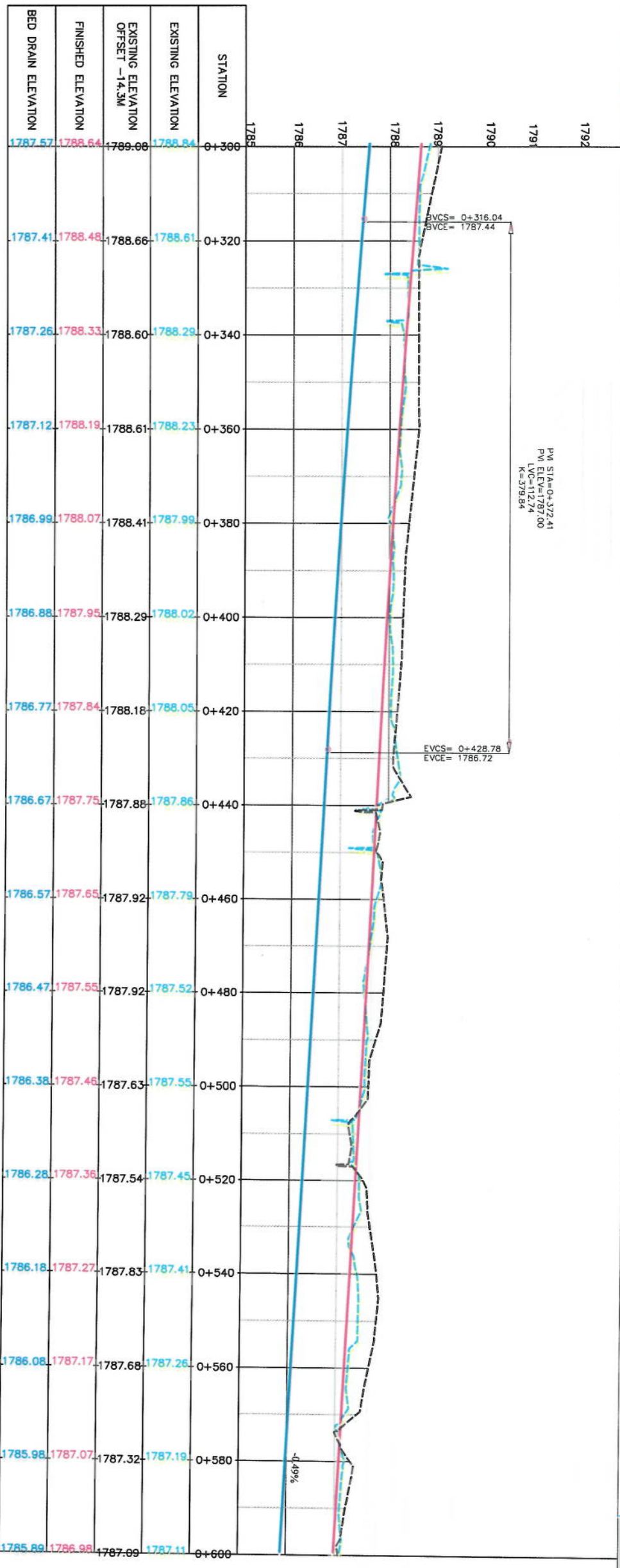
Project Code:

SHEET NO.	PP-01	Revision	01
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LINE - 1
N - 0+300.00



MATCH LINE - 2
AT STATION - 0+600.00



PVI STA=0+372.41
PVI ELEV=1787.00
LX=12.74
K=378.84

EVCS= 0+428.78
EVCE= 1786.72

-4.49%

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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Details	Drawn	Checked	App'd

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Kot-e-Sangi To Demazang Road Project

Drawing Title:

DRAINAGE PLAN
& PROFILE

Drawn:
A. Shukur Memon

Designed:
A. Shukur Memon

Checked:
Hussein Shahzad

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

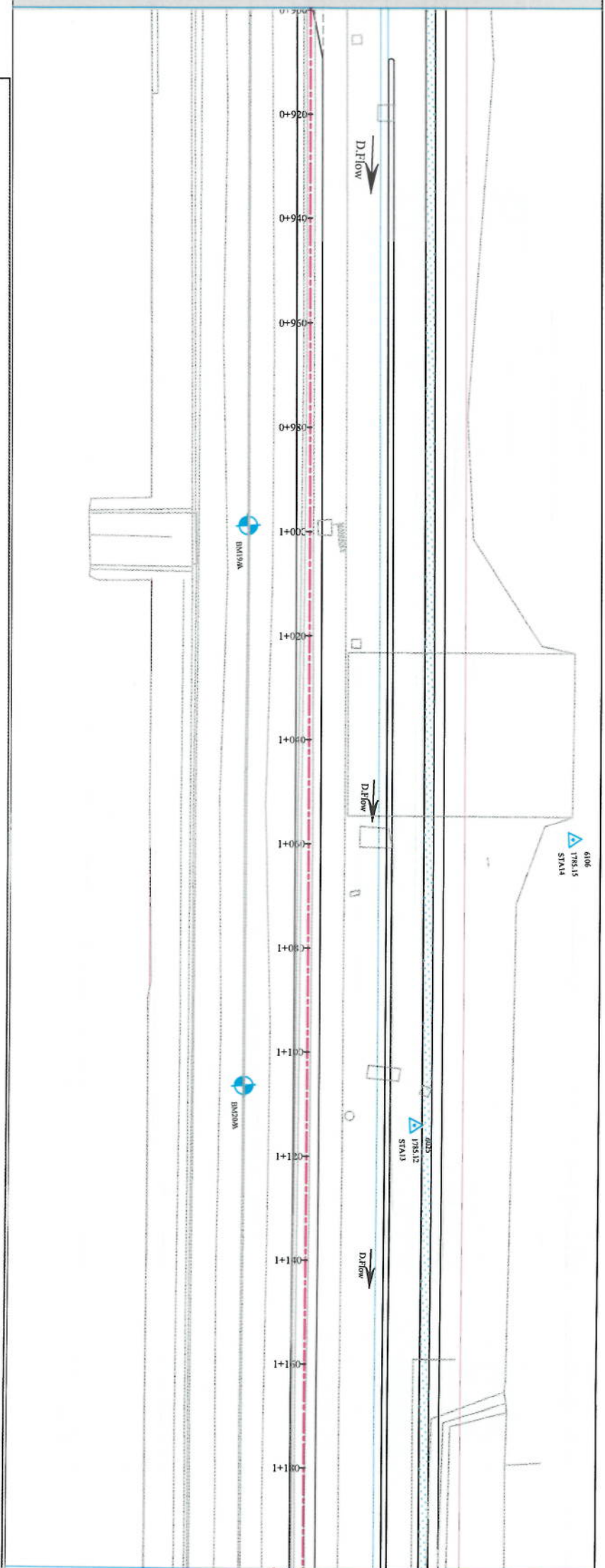
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Signature:

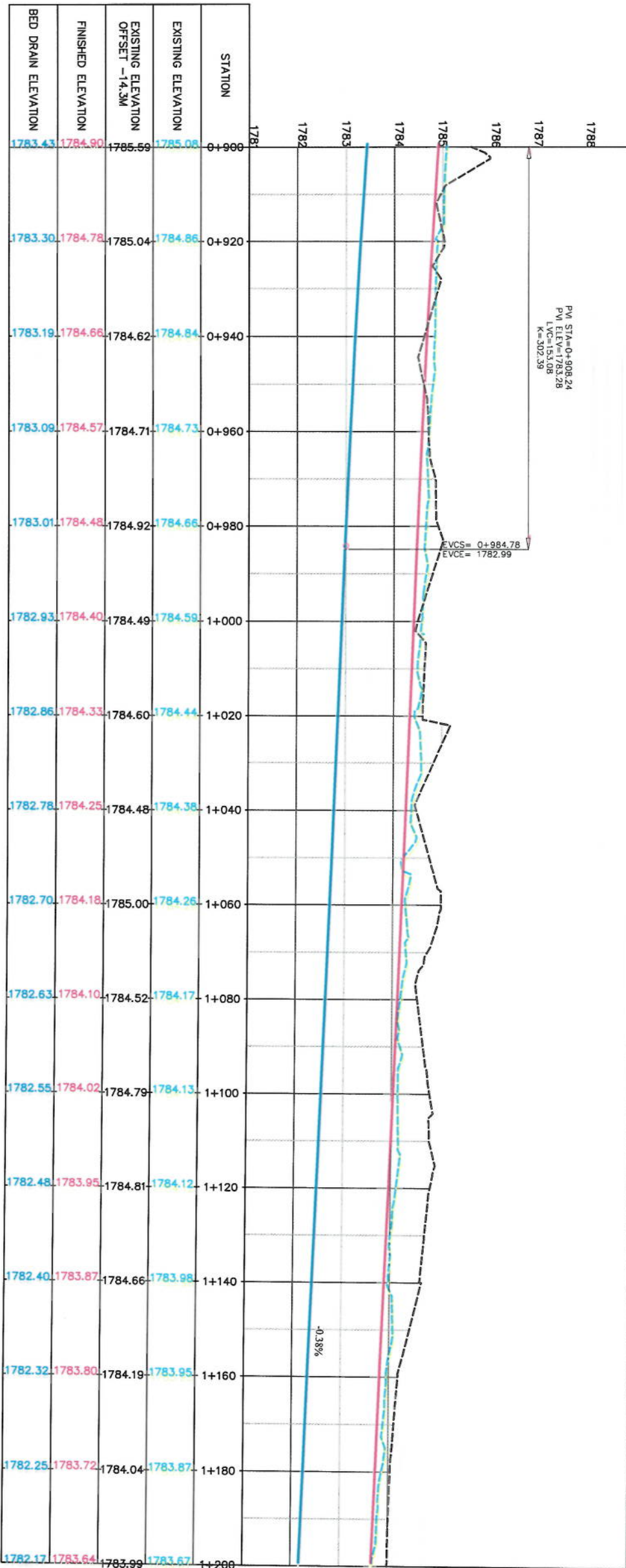
Signature:

Signature:

MATCH LINE - 3
AT STATION - 0+900.00



MATCH LINE - 4
AT STATION - 1+200.00



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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Description	Drawn	Checked	App'd

DESIGNED BY: ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name: Kot-e-Singh To Demnang Road Project
Drawing Title: DRAINAGE PLAN & PROFILE

Drawn: A. Shukur Memonour
Designed: A. Shukur Memonour
Checked: Habibullah Shalizi

Signature:
Signature:
Signature:

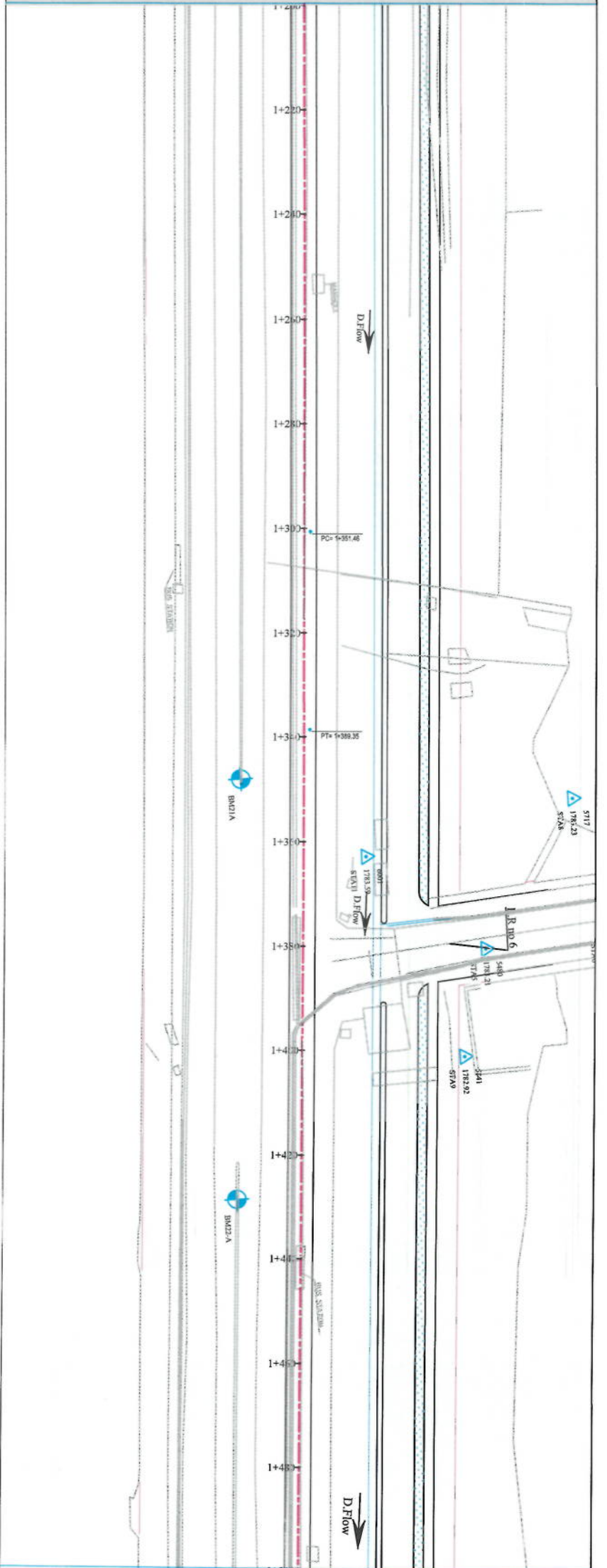
Date: 5/30/2023
Scale: 1:1000

Sheet: FINAL DESIGN

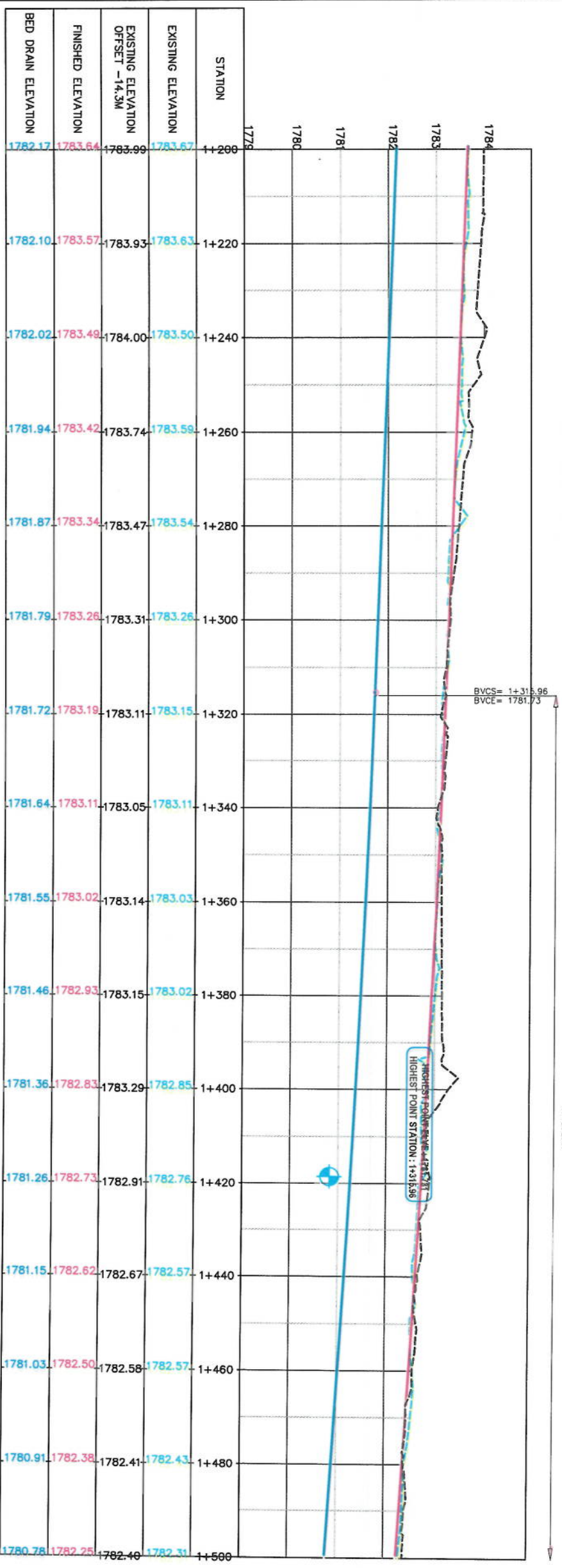
Project Code: PP-04

SHEET NO.	Revision
PP-04	01

MATCH LINE - 4
AT STATION - 1+200.00



MATCH LINE - 5
AT STATION - 1+500.00



PVI STA=1+419.18
PVI ELEV=1781.34
LVC=205.44
K=678.41

BVCS= 1+315.96
BVCE= 1781.73

HIGHEST POINT STATION: 1+315.96
HIGHEST POINT ELEV: 1781.73

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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Details	Drawn	Check	Appd

ISLAMIC REPUBLIC OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Kot-e-Sangi To Demazang Road Project

Drawing Title:

DRAINAGE PLAN & PROFILE

Drawn:	A. Sidorov	Signature:
Designed:	A. Sidorov	Signature:
Checked:	H. Haidich	Signature:

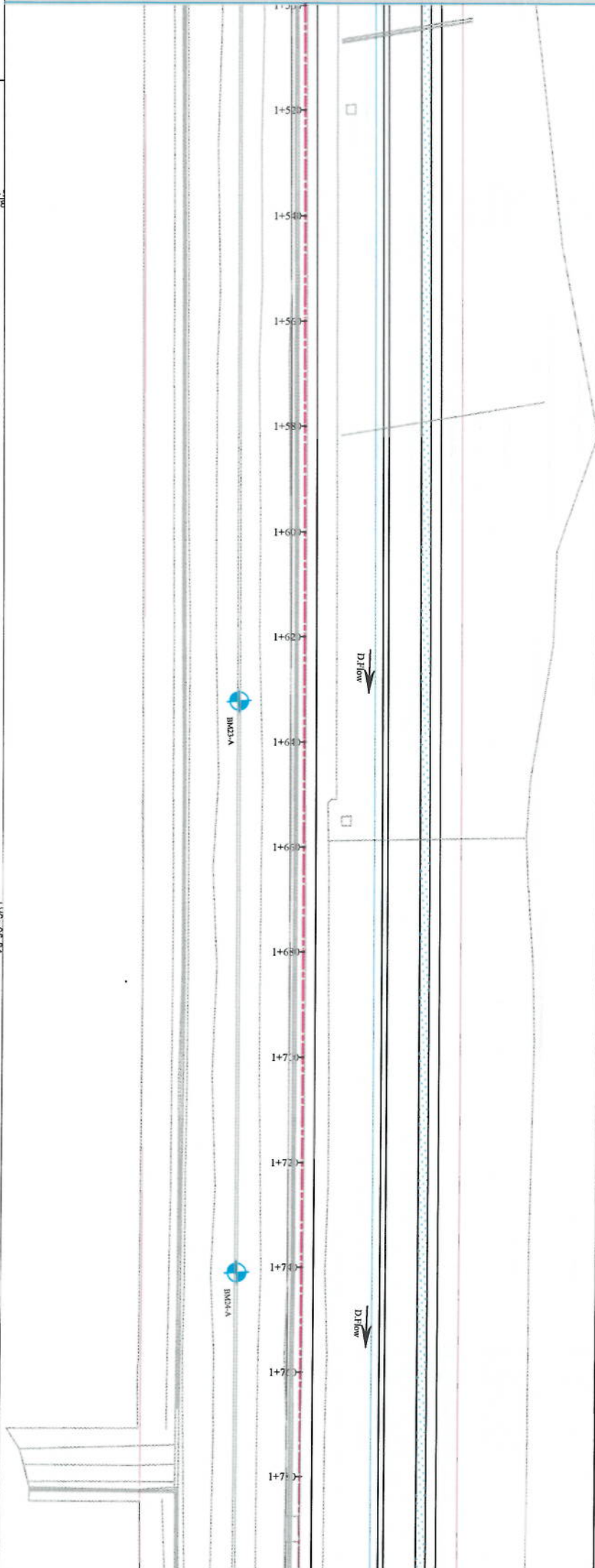
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Scale: 1:1000

Status: FINAL DESIGN

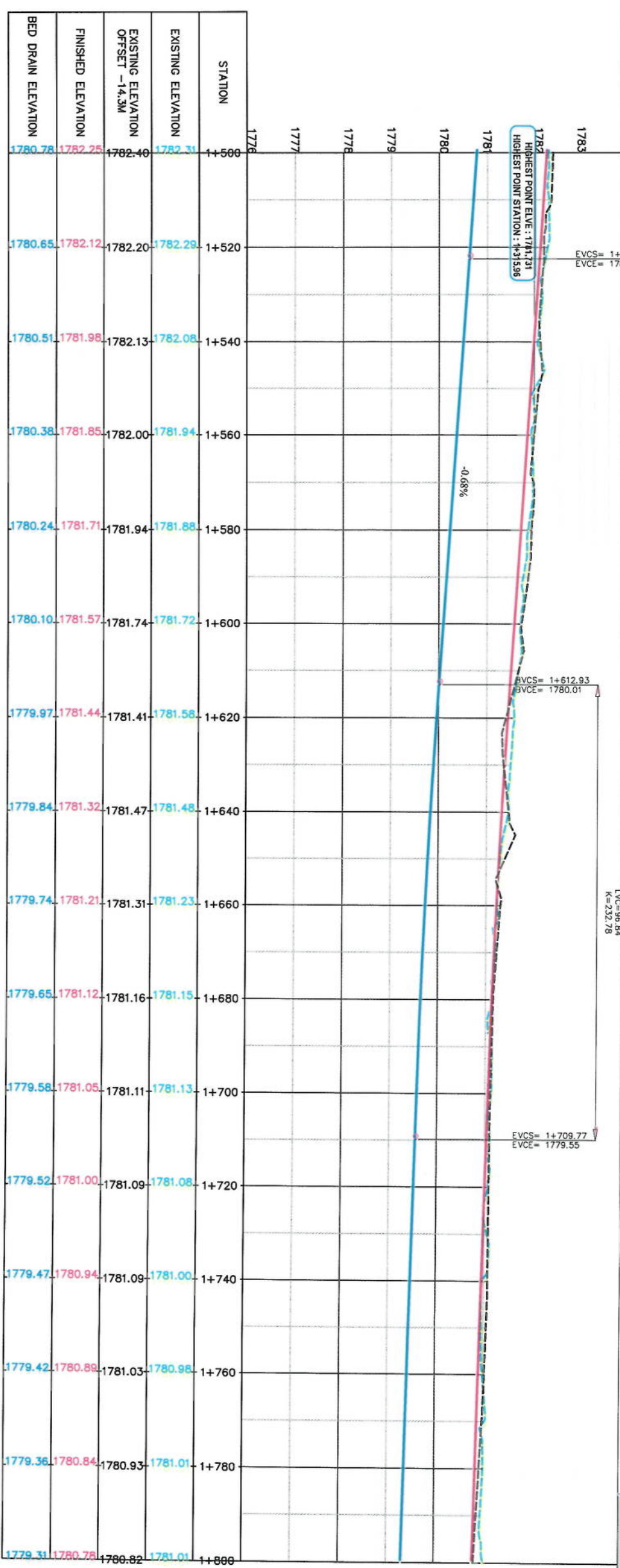
Project Code:

SHEET NO.	01
Revision	01

MATCH LINE - 5
AT STATION - 1+500.00



MATCH LINE - 6
AT STATION - 1+800.00



STATION	EXISTING ELEVATION	EXISTING ELEVATION OFFSET - 14.3M	FINISHED ELEVATION	BED DRAIN ELEVATION
1+500	1782.31	1782.25	1782.40	1780.78
1+520	1782.29	1782.12	1782.20	1780.65
1+540	1782.08	1781.98	1782.13	1780.51
1+560	1781.94	1781.85	1782.00	1780.38
1+580	1781.88	1781.71	1781.94	1780.24
1+600	1781.72	1781.57	1781.74	1780.10
1+620	1781.58	1781.44	1781.41	1779.97
1+640	1781.48	1781.32	1781.47	1779.84
1+660	1781.23	1781.21	1781.31	1779.74
1+680	1781.15	1781.12	1781.16	1779.65
1+700	1781.13	1781.05	1781.11	1779.58
1+720	1781.08	1781.00	1781.09	1779.52
1+740	1781.00	1780.94	1781.09	1779.47
1+760	1780.98	1780.89	1781.03	1779.42
1+780	1781.01	1780.84	1780.93	1779.36
1+800	1781.01	1780.78	1780.82	1779.31

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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



ISLAMIC REPUBLIC OF
AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Kot-e-Sangi To Demazang Road Project

Drawing Title:
DRAINAGE PLAN
& PROFILE

Drawn:
A. Shakeri Memon
Designed:
A. Shakeri Memon
Checked:
Hussein Shakeri

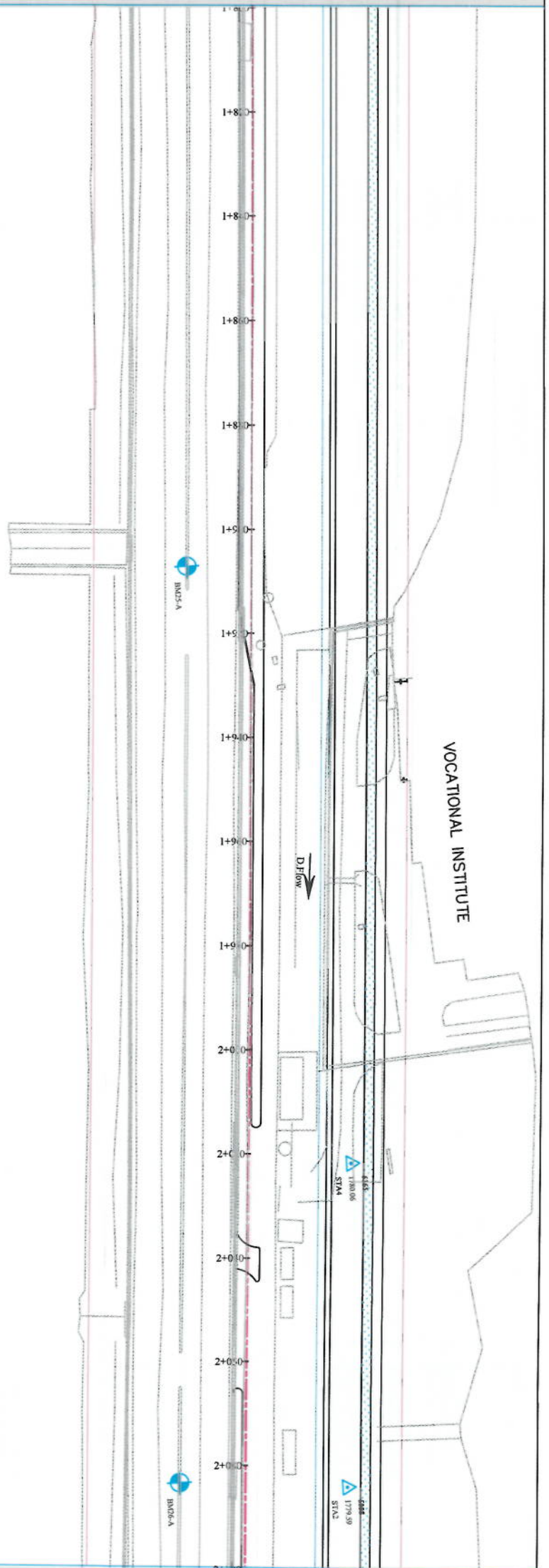
Date:
5/30/2023
Scale:
1:1000

Status:
FINAL DESIGN

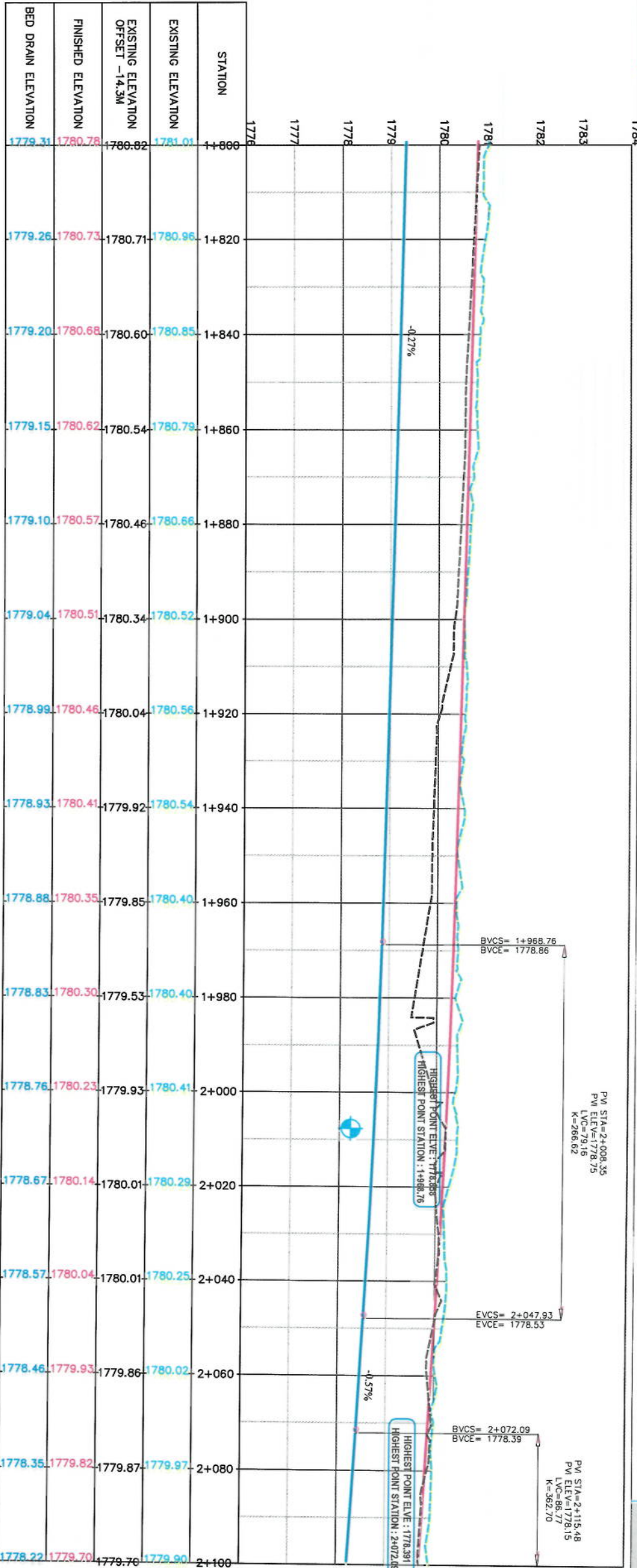
Project Code:
PP-06

Revision:
01

MATCH LINE - 6
AT STATION - 1+800.00



MATCH LINE - 7
AT STATION - 2+100.00



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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH

Rev	Date	Revision Details	Drawn	Checked	App'd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KARUJ MUNICIPALITY
DESIGN TEAM

Project Name:
Kot-e-Sangi To Demazang Road Project

Drawing Title:

DRAINAGE PLAN
& PROFILE

Drawn:	A. Shaloo Munsour	Signature:
Designed:	A. Shaloo Munsour	Signature:
Checked:	Habibullah Shaloo	Signature:

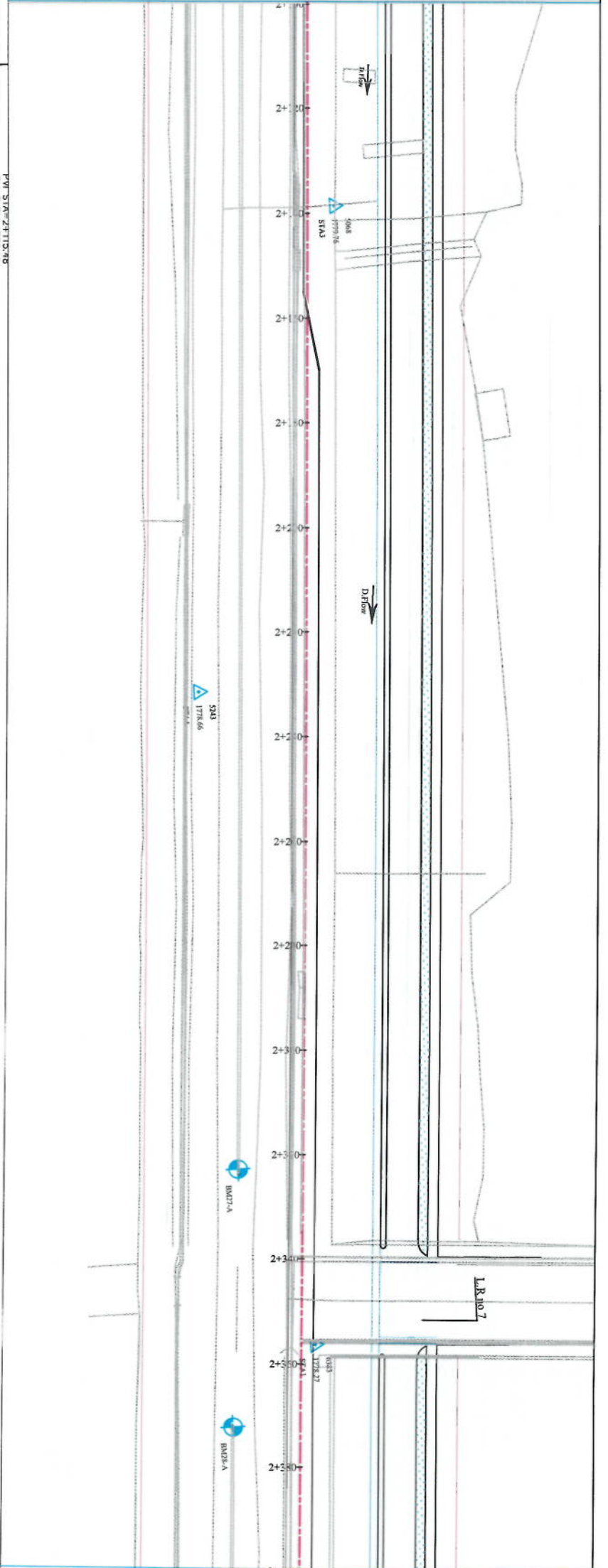
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5/30/2023

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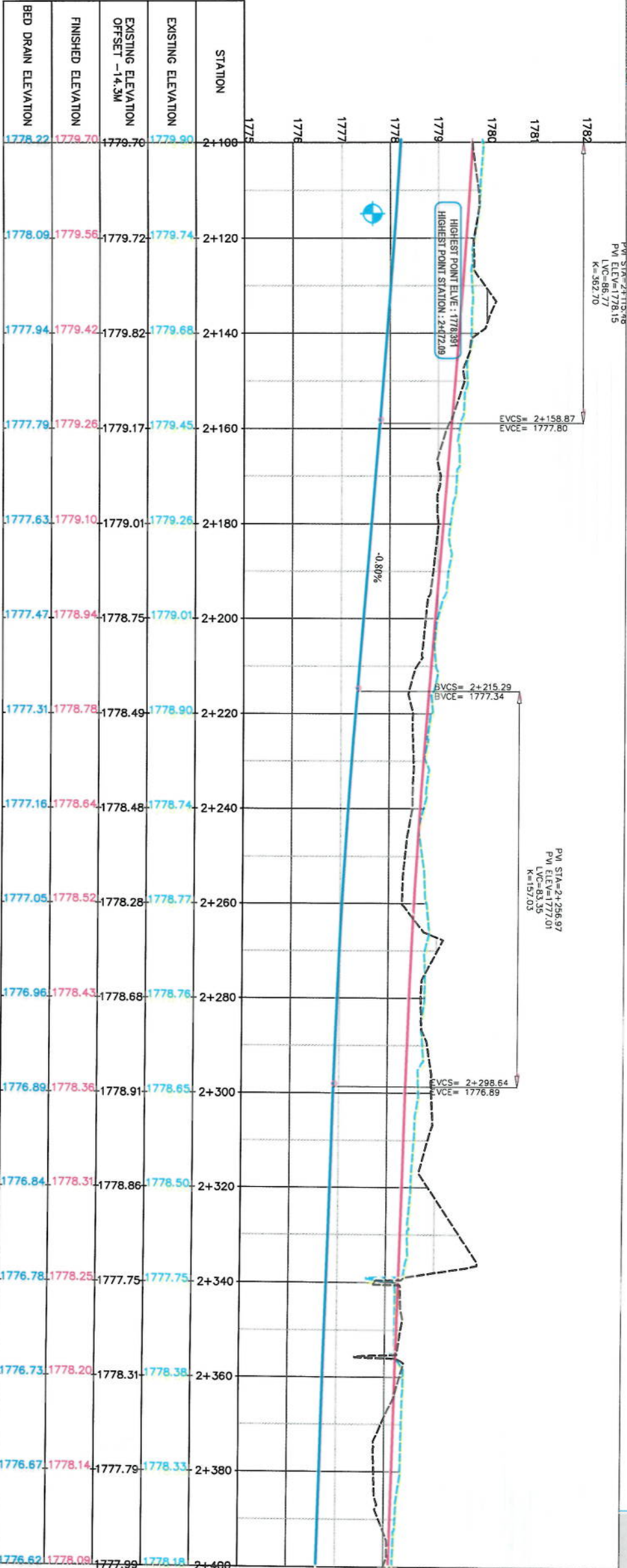
Sheet No:
PP-07

Revision:
01

MATCH LINE - 7
AT STATION - 2+100.00



MATCH LINE - 8
AT STATION - 2+400.00



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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Details	Drawn	Checked	App'd

DESIGNED BY:
KAROL MOUNIR
DESIGN TEAM

PROJECT NAME:
Kot-e-Sangi To Demazang Road Project

DRAINAGE PLAN
& PROFILE

Drawn:	A. Shukur Memon	Signature:
Designed:	A. Shukur Memon	Signature:
Checked:	Hushail Shahzad	Signature:

Date:
5/30/2023

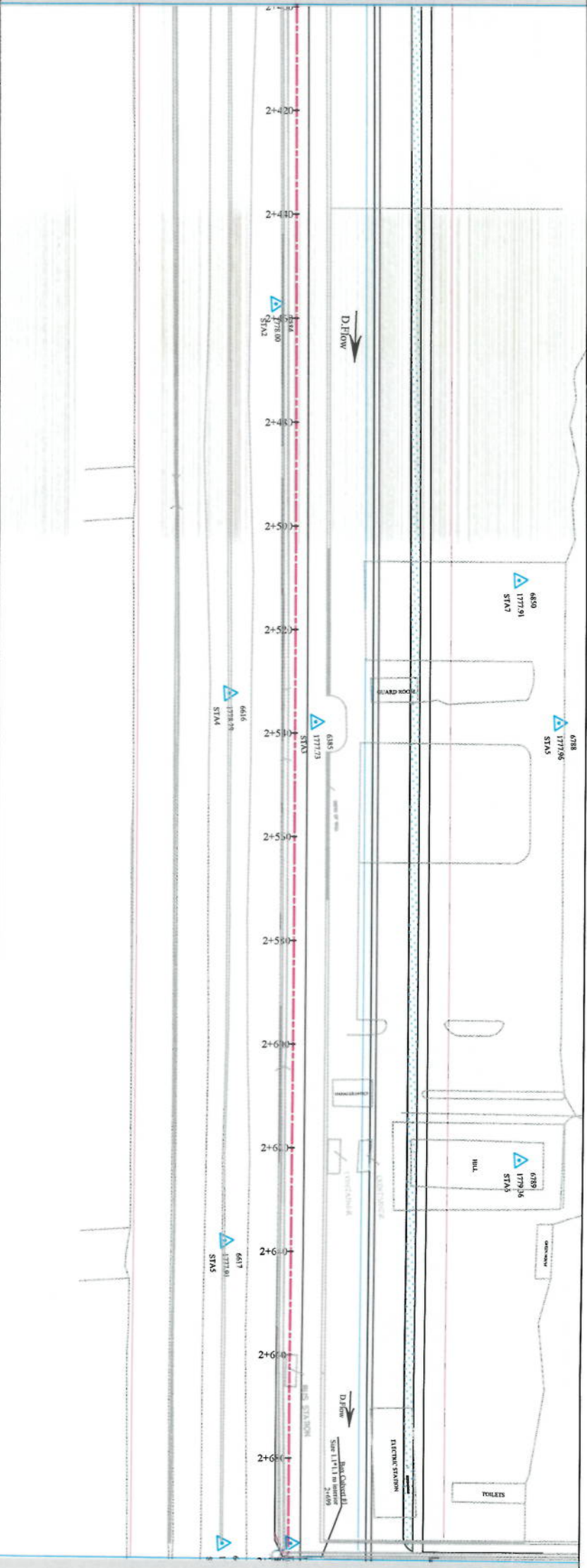
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Project Code:
FINAL DESIGN

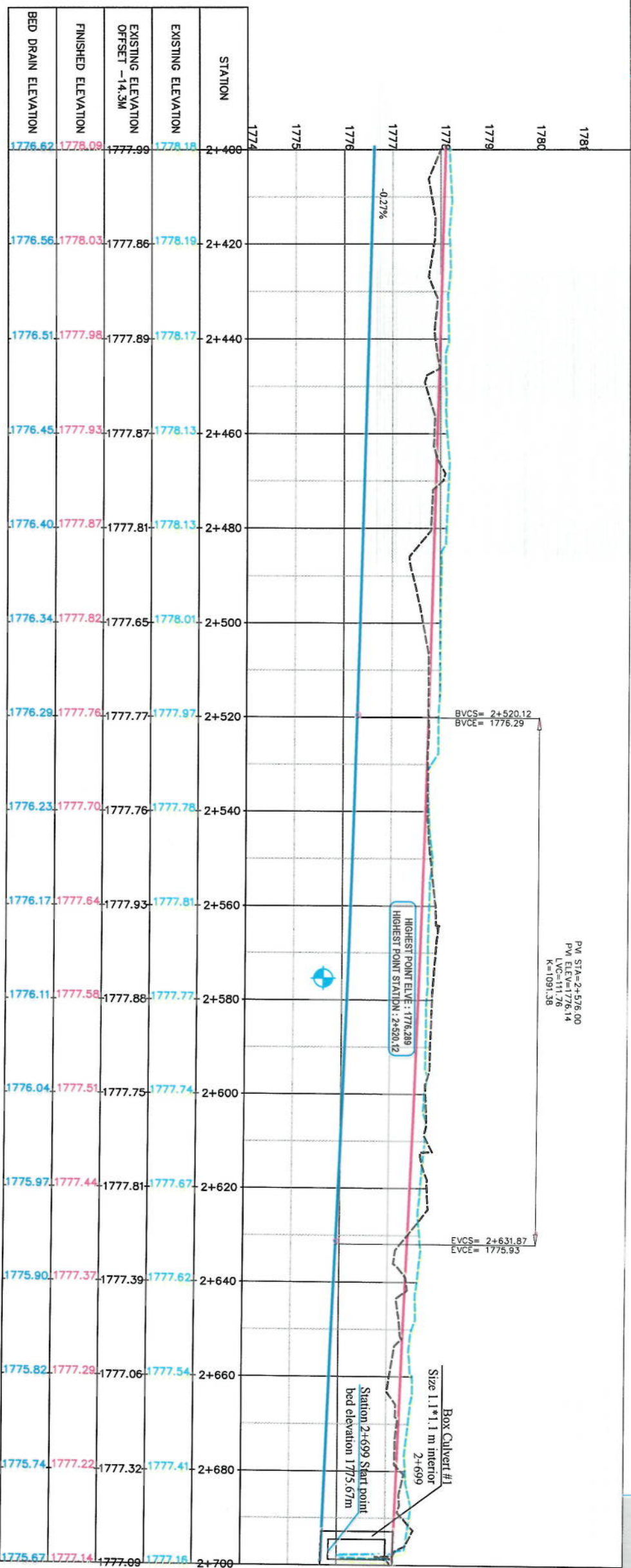
Sheet No.:
PP-08

Revision:
01

MATCH LINE - 8
AT STATION - 2+400.00



MATCH LINE - 9
AT STATION - 2+700.00



PM STA=2+526.00
PV ELEV=1776.14
K=1091.38

BVCS= 2+520.12
BVCE= 1776.29

EVCS= 2+631.87
EVCE= 1775.93

HIGHEST POINT ELVE : 1776.289
HIGHEST POINT STATION : 2+520.12

Box Culvert #1
Size 1.1*1.1 m interior
Station 2+699 Start point
bed elevation 1775.67m

STATION	EXISTING ELEVATION	EXISTING ELEVATION OFFSET -14.3M	FINISHED ELEVATION	BED DRAIN ELEVATION
2+400	1778.18	1777.99	1778.03	1776.62
2+420	1778.19	1777.86	1778.03	1776.56
2+440	1778.17	1777.89	1777.98	1776.51
2+460	1778.13	1777.87	1777.93	1776.45
2+480	1778.13	1777.81	1777.87	1776.40
2+500	1778.01	1777.65	1777.82	1776.34
2+520	1777.97	1777.77	1777.76	1776.29
2+540	1777.78	1777.76	1777.70	1776.23
2+560	1777.81	1777.93	1777.64	1776.17
2+580	1777.77	1777.88	1777.58	1776.11
2+600	1777.74	1777.75	1777.51	1776.04
2+620	1777.67	1777.81	1777.44	1775.97
2+640	1777.62	1777.39	1777.37	1775.90
2+660	1777.54	1777.06	1777.29	1775.82
2+680	1777.41	1777.32	1777.22	1775.74
2+700	1777.18	1777.09	1777.14	1775.67

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

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH



Rev	Date	Revision Details	Drawn	Checked	Approved

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name
Kor-e-Sangi To Demnang Road Project

Drawing Title:

DRAINAGE PLAN
& PROFILE

Drawn:	A. Sakaor Mousur	Signature:
Designed:	A. Sakaor Mousur	Signature:
Checked:	Hushulab Shalizi	Signature:

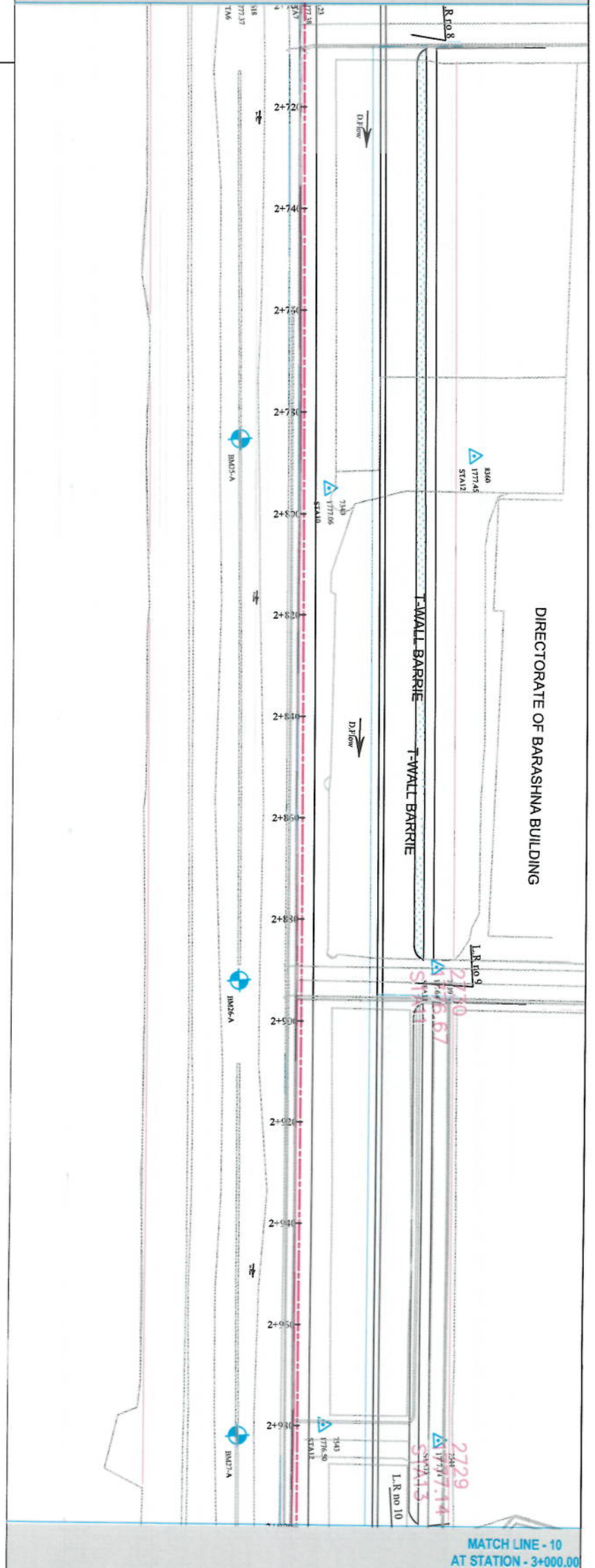
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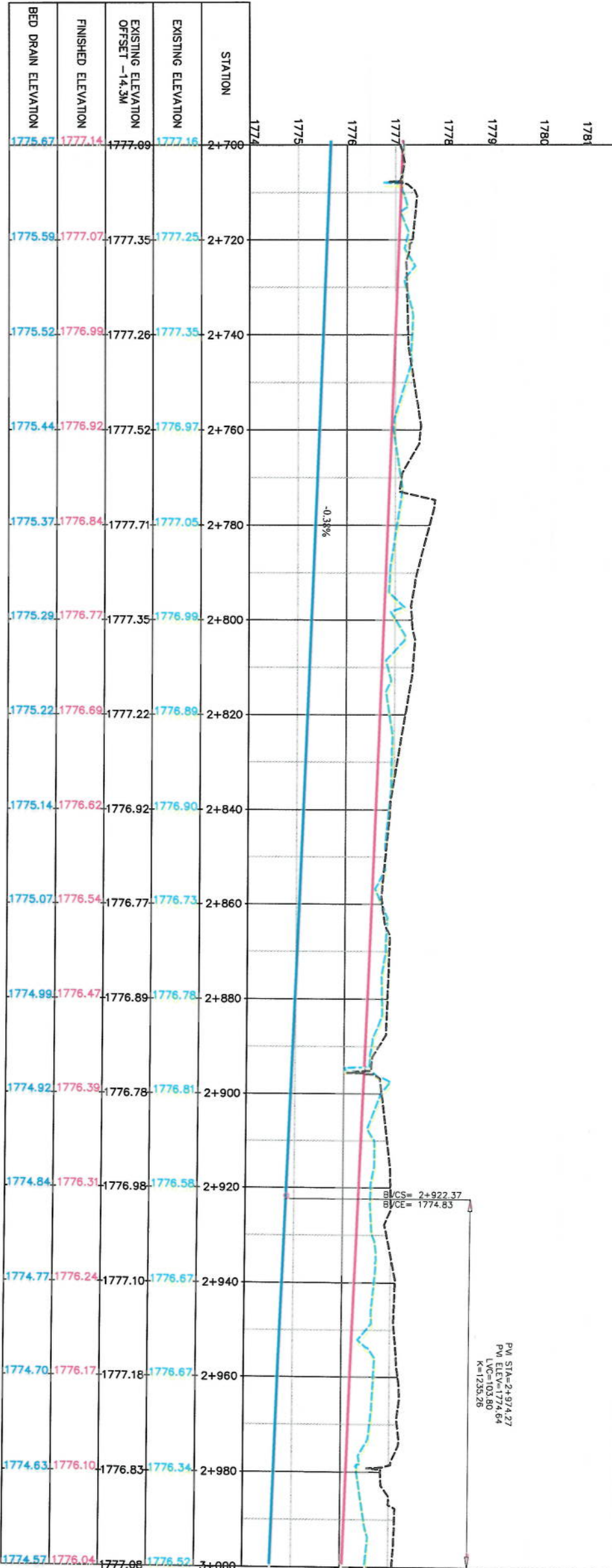
Project Code:

SHEET NO	Revision
PP-09	01

MATCH LINE - 9
AT STATION - 2+700.00



MATCH LINE - 10
AT STATION - 3+000.00



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

LEGENDS

- CENTER LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH

Rev	Date	Revision Details	Drawn	Checked	App'd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Kot-e-Sangi To Demazang Road Project

DRAINAGE PLAN
& PROFILE

Drawn:
A. Shukur Mamonur
Designed:
A. Shukur Mamonur
Checked:
Habibullah Shalizi

Date:
5/30/2023

Scale:
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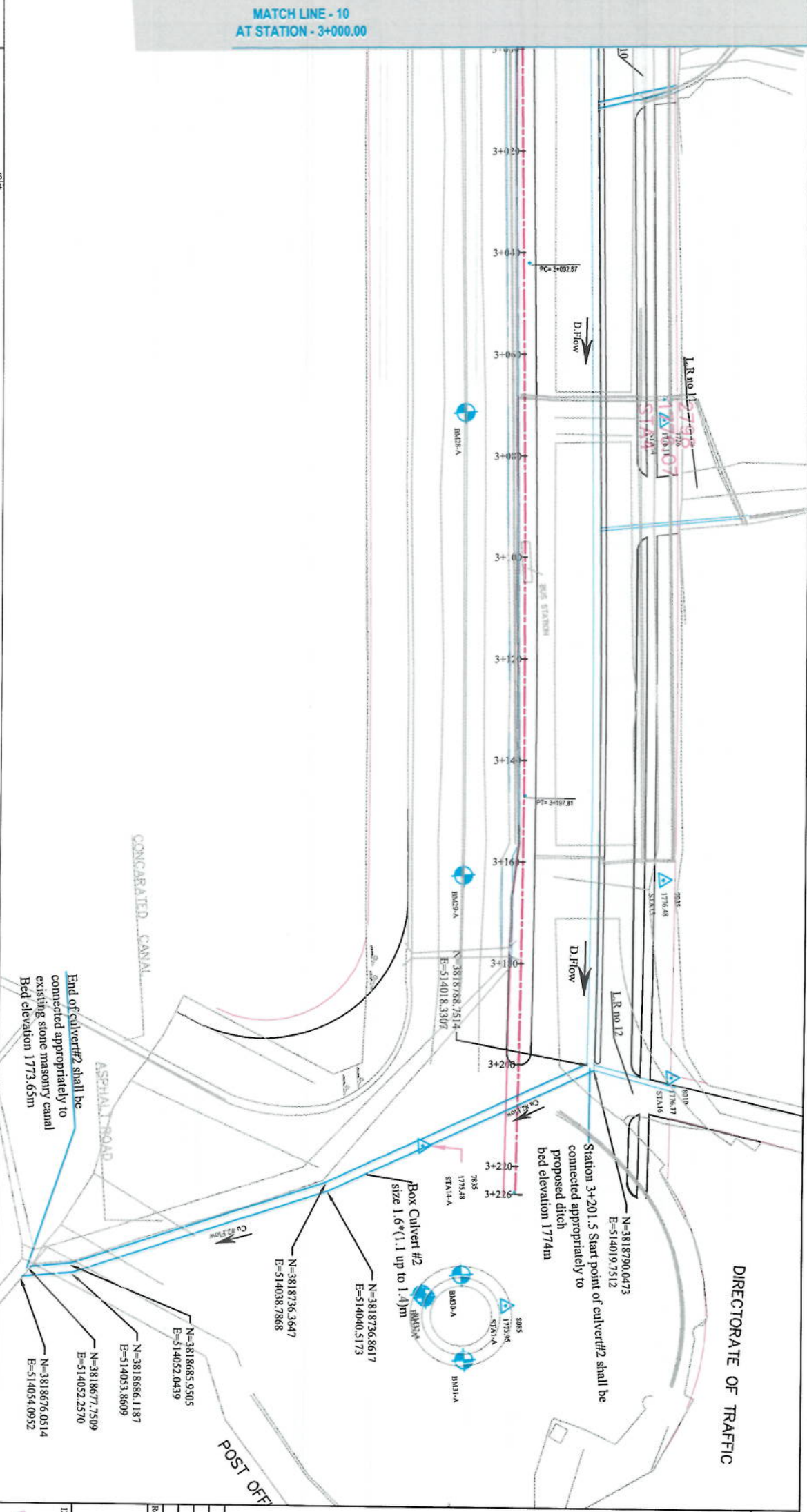
Status:
FINAL DESIGN

Project Code:

SHEET NO.
PP-10

Revision
01

STATION	EXISTING ELEVATION	EXISTING ELEVATION OFFSET -14.3M	FINISHED ELEVATION	BED DRAIN ELEVATION
3+000	1777.52	1777.08	1776.04	1774.57
3+020	1776.25	1776.82	1775.98	1774.51
3+040	1776.13	1776.68	1775.92	1774.45
3+060	1775.92	1776.39	1775.86	1774.39
3+080	1776.04	1776.34	1775.80	1774.33
3+100	1775.88	1776.44	1775.74	1774.27
3+120	1775.66	1776.31	1775.69	1774.21
3+140	1775.59	1776.25	1775.63	1774.16
3+160	1775.56	1776.17	1775.57	1774.10
3+180	1775.82	1776.20	1775.51	1774.04
3+200	1775.52	1776.12	1775.47	1774.00
3+205	1775.39	1775.70	1775.47	1774.00



MATCH LINE - 10
AT STATION - 3+000.00

DIRECTORATE OF TRAFFIC

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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH
- TREES & GREEN AREA
- PROPOSED SIDEWALK
- SURVEY BENCHMARK
- PROPOSED SIDE DITCH

DESIGNED BY: ISLAMIC EMIRATE OF ARABIAN SAUDI

DESIGNED BY: KABIL MUNICIPALITY DESIGN TEAM

Project Name: Kot-e-Sangi To Demazang Road Project

Drawing Title: DRAINAGE PLAN & PROFILE

Drawn: A. Shukur Memon

Designed: A. Shukur Memon

Checked: Hashimullah Shahzai

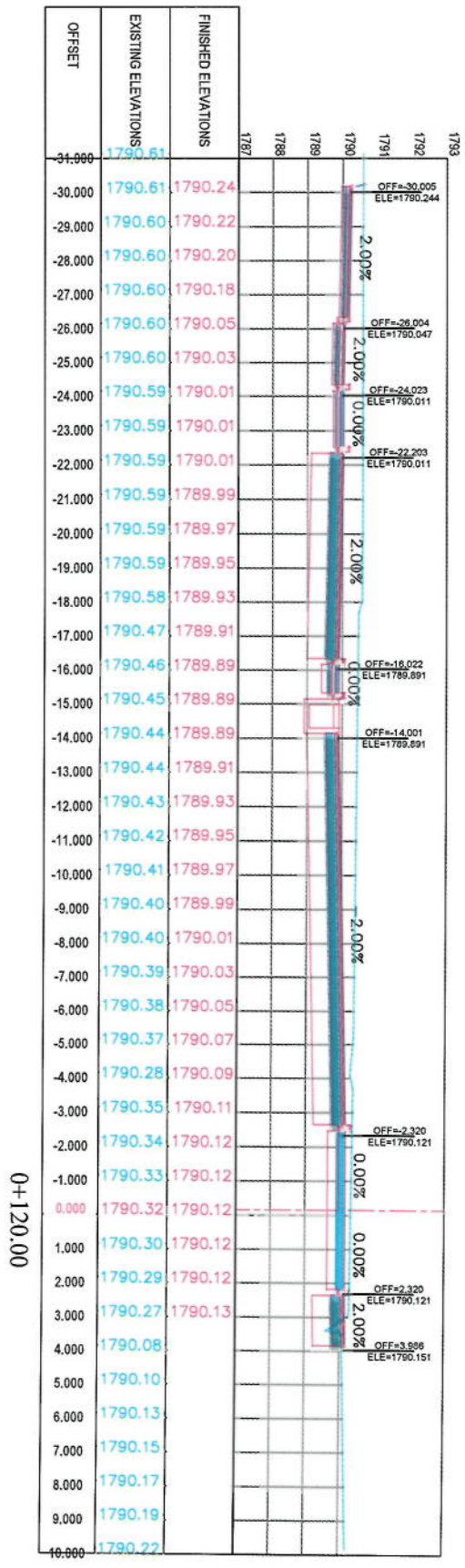
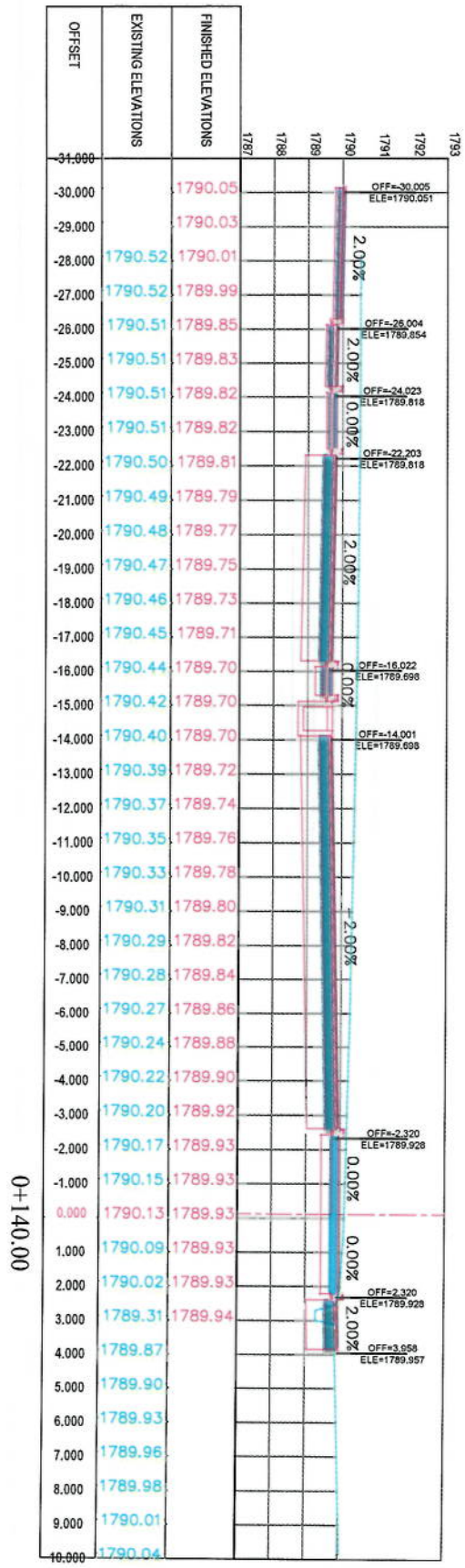
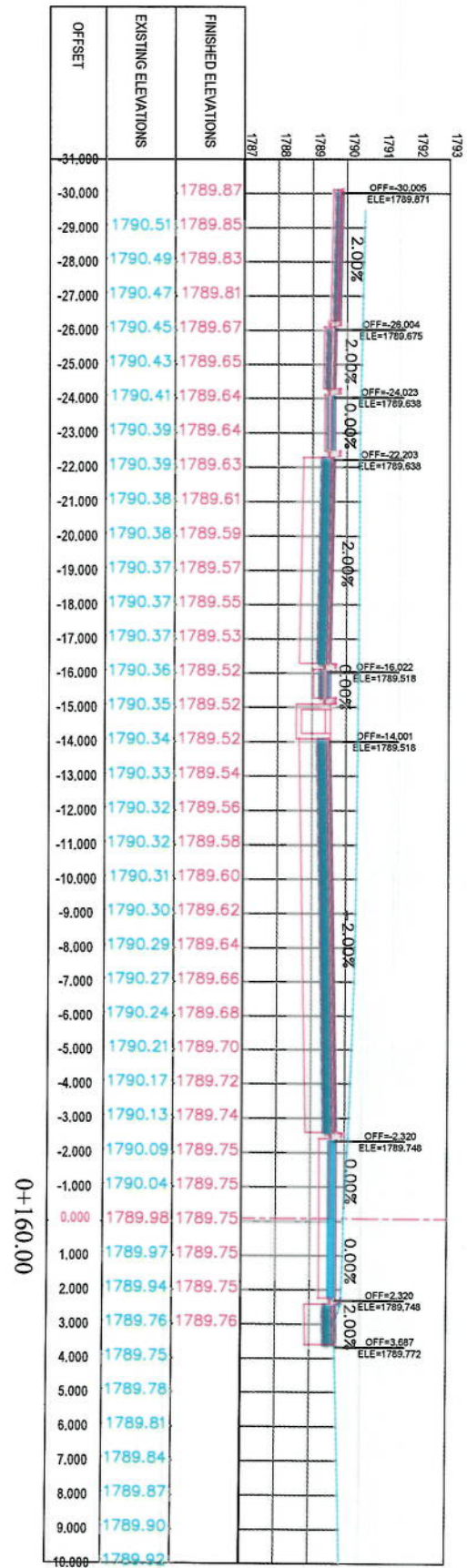
Date: 5/30/2023

Scale: 1:1000

Project Code: FINAL DESIGN

SHEET NO: PP-11

Revision: 01



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

LEGENDS
— CENTERLINE
— EXISTING SURFACE
— EXISTING SIDE DITCH



Client:
ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
City-Sang To Demang
Road project

Drawing Title:

CROSS SECTIONS

Designed by:
Mohammad Eisa Sani
Drawn by:
Mohammad Eisa Sani
Checked by:
Hassan Shariq

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

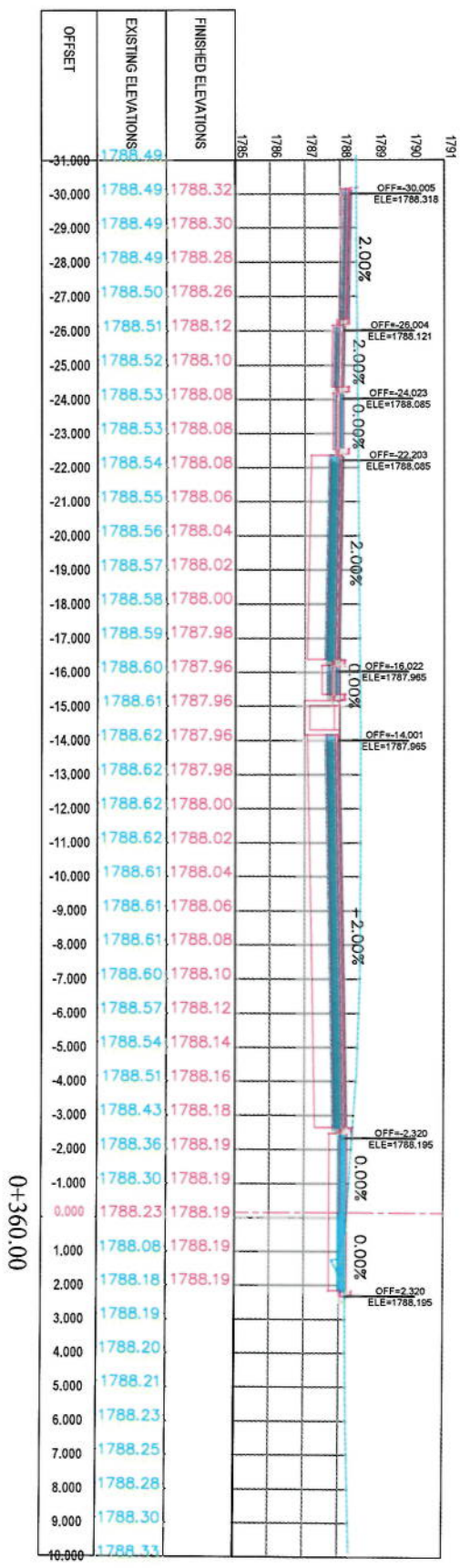
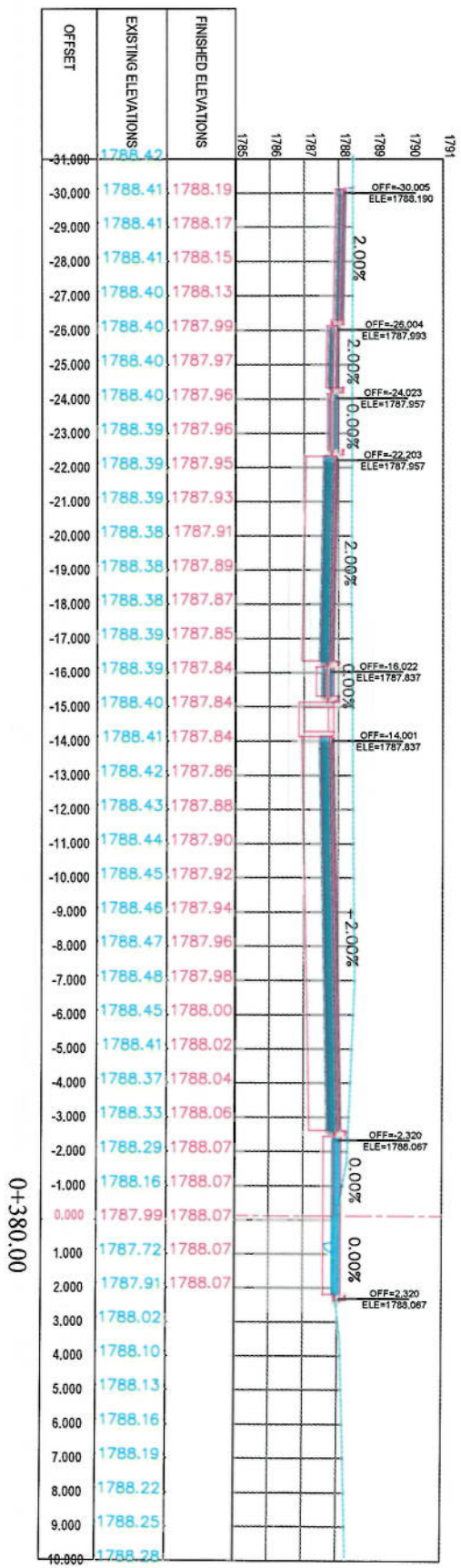
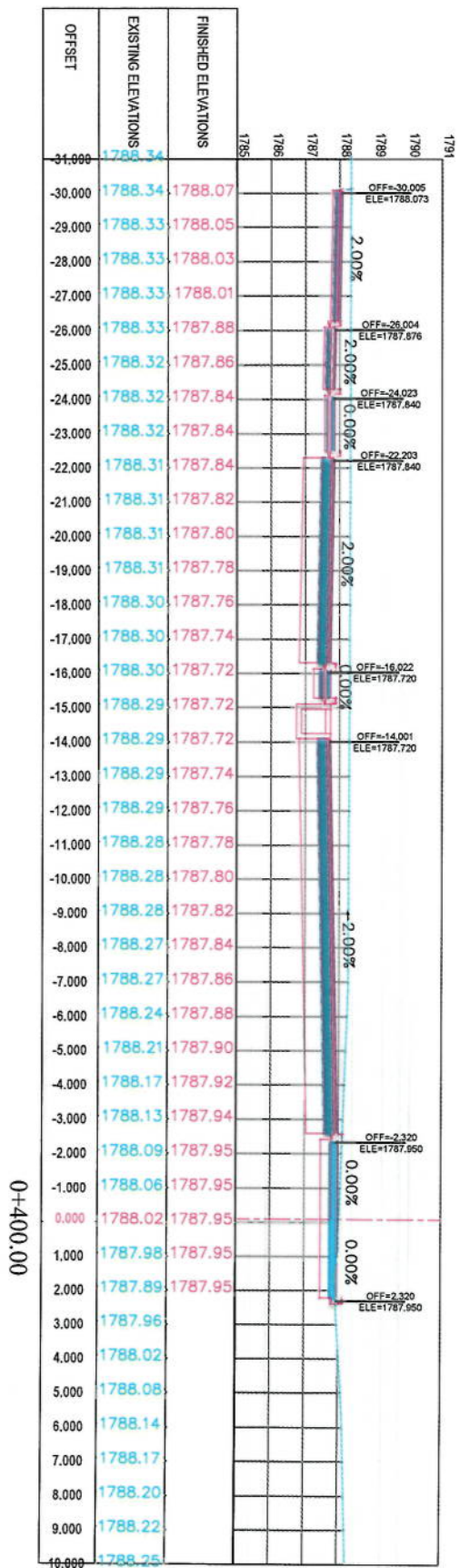
Project Code:

Drawing Number:

CS-3

Revision:

00



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

LEGENDS
— CENTER-LINE
--- EXISTING SURFACE
— EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: G-4-Sangul To Demnang Road Project

Drawing Title: CROSS SECTIONS

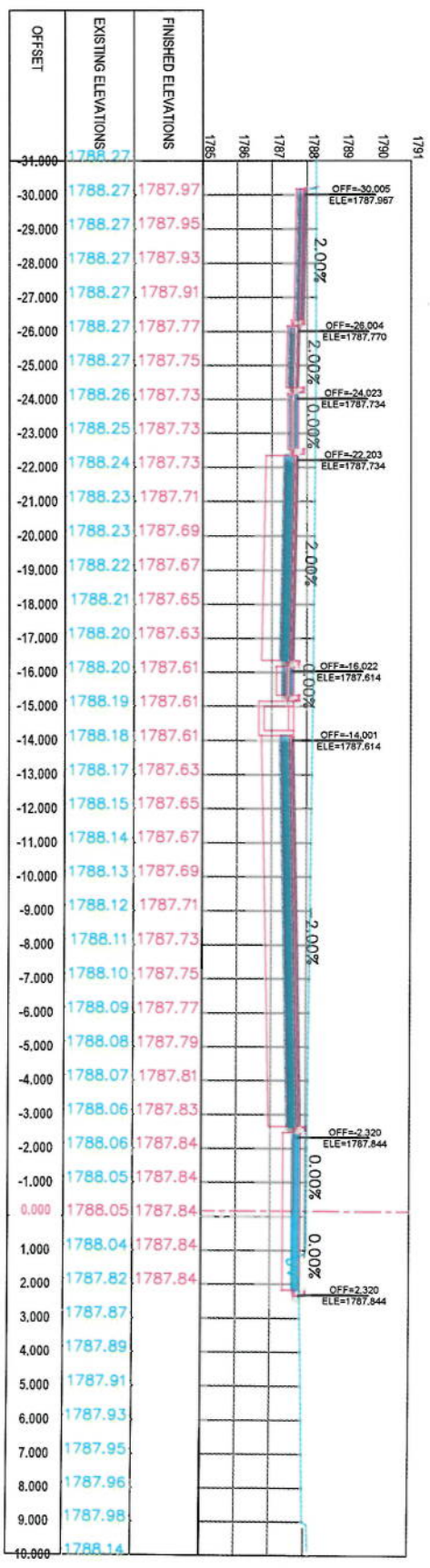
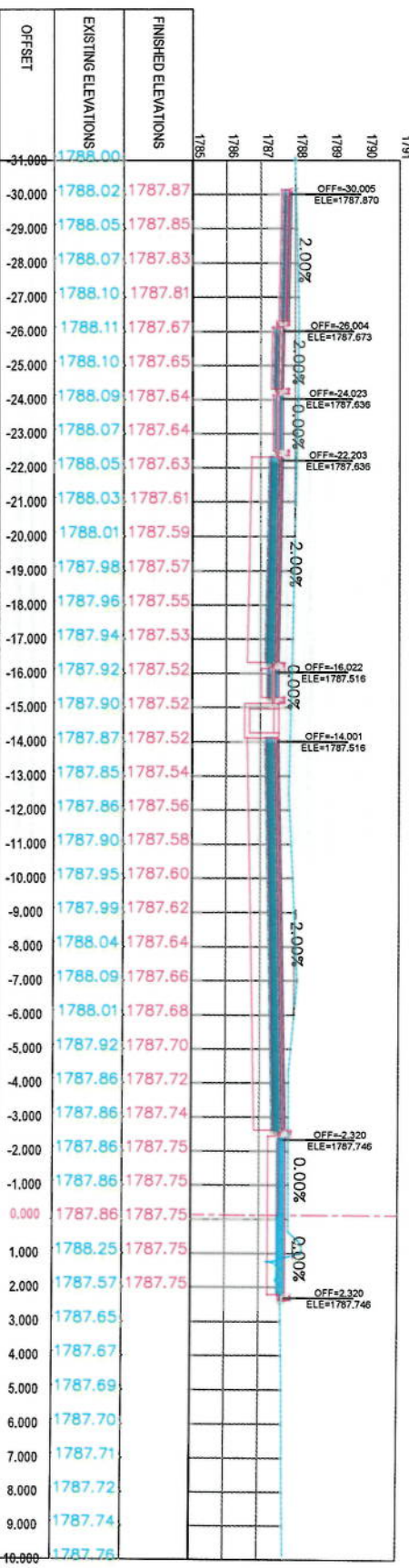
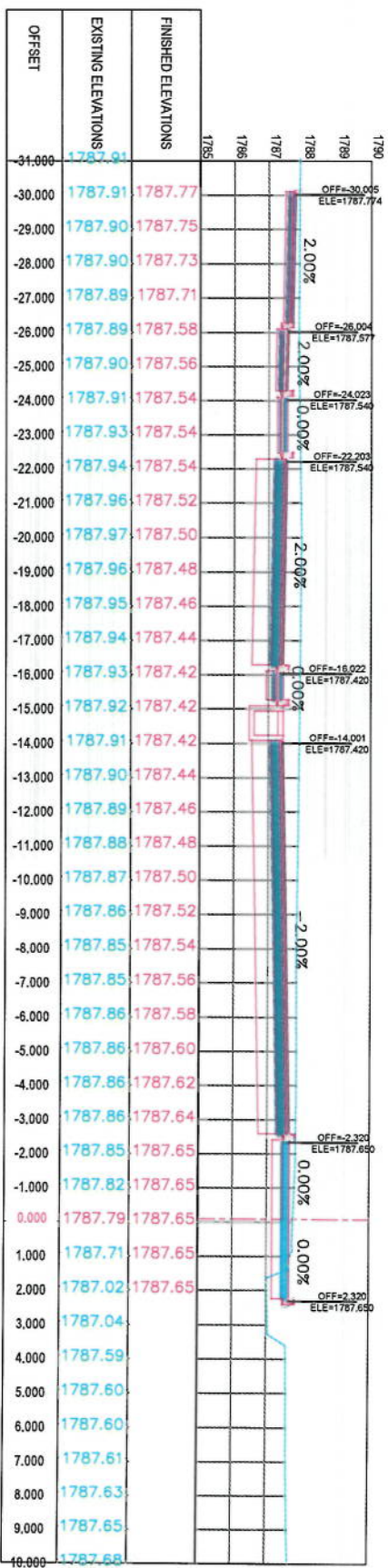
Designed by: Muhammad Eisa Sial
Drawn by: Muhammad Eisa Sial
Checked by: Harshul Shah
Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 6/7/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-7

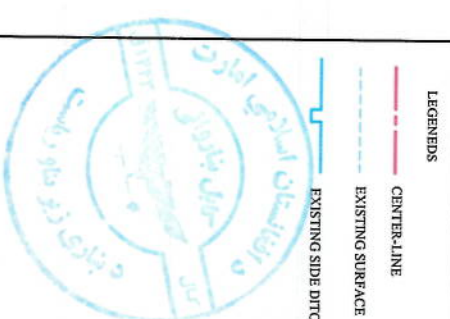
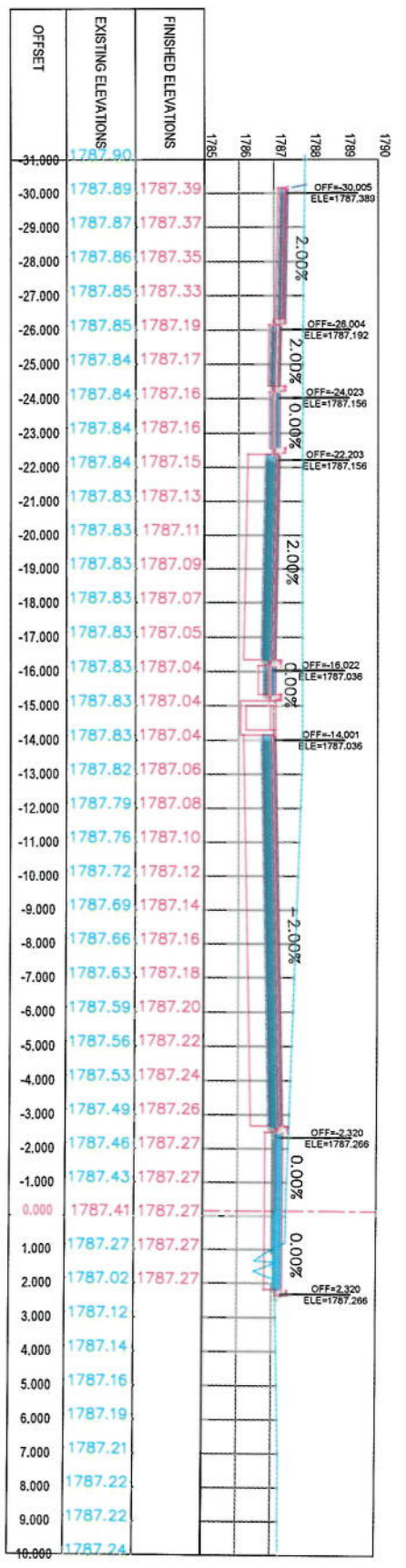
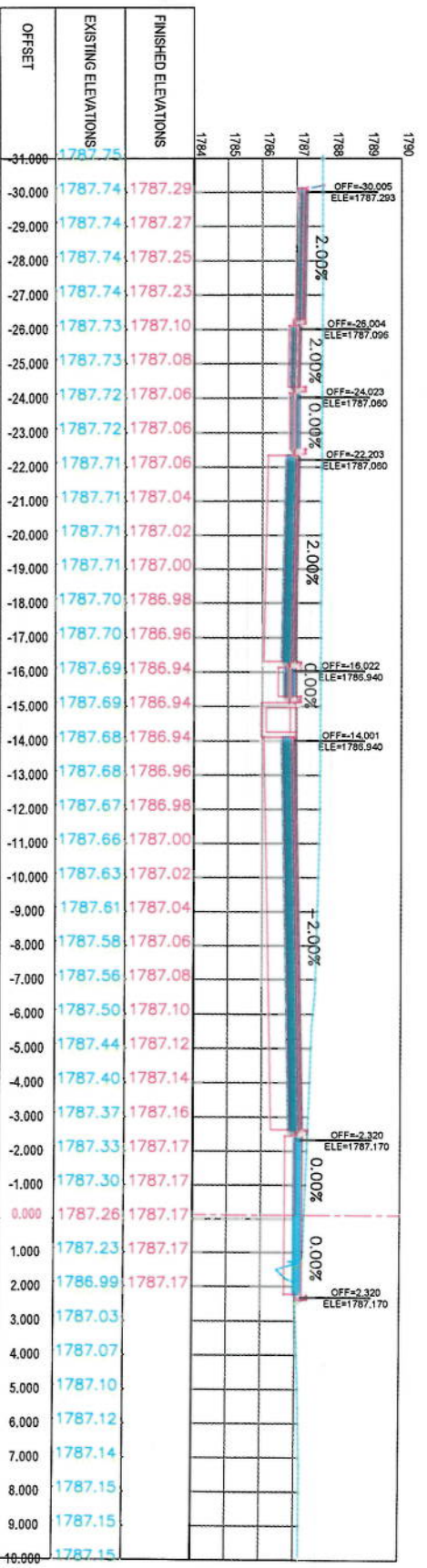
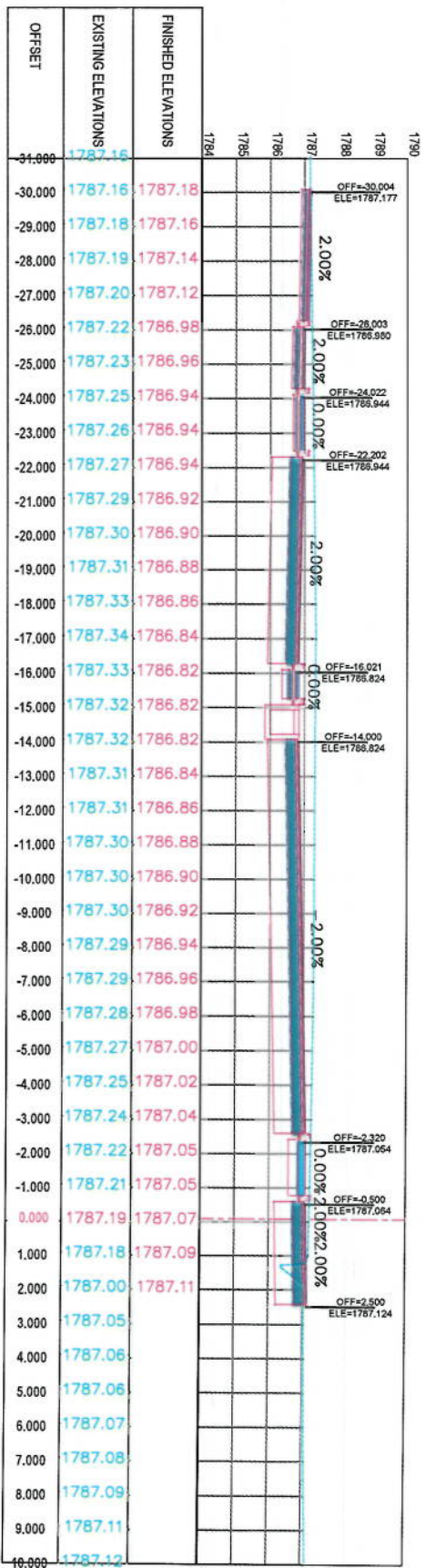
Drawing Number: 00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client:	KABUL MUNICIPALITY
Project Name:	Cat-Singh To Demnang Road Project
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Drawn by:	Mohammad Eisa Shah
Checked by:	Mohammad Eisa Shah
Signature:	Hasanullah Shahzad
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	CS-8
Revision Number:	00



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

LEGENDS

- CENTER LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
City-Sang To Demnang Road Project

Drawing Title:

CROSS SECTIONS

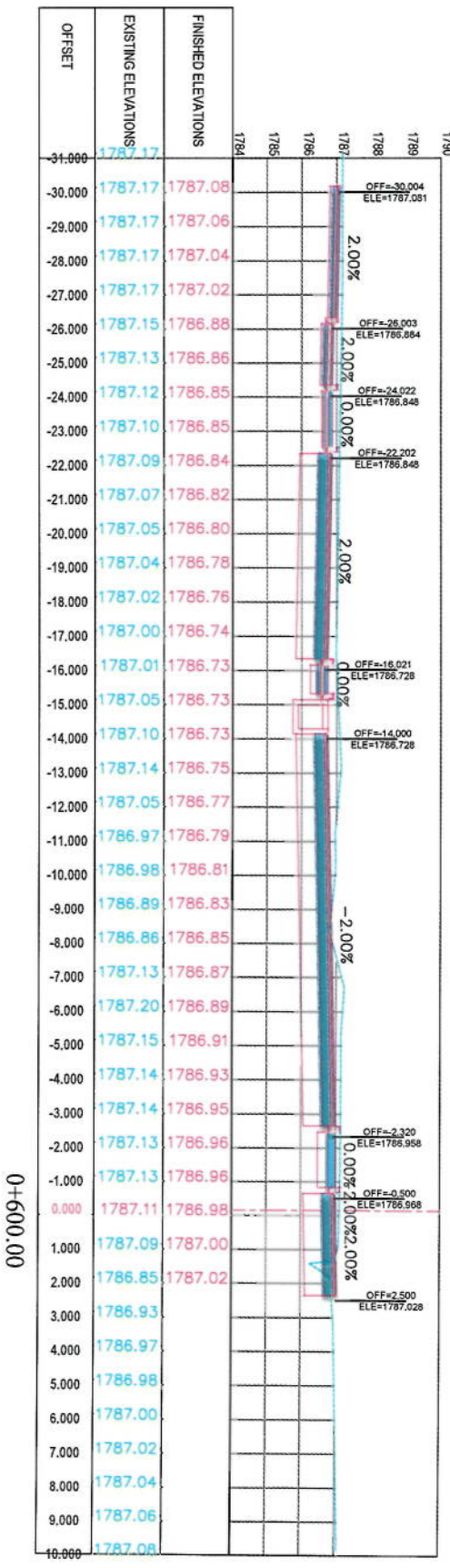
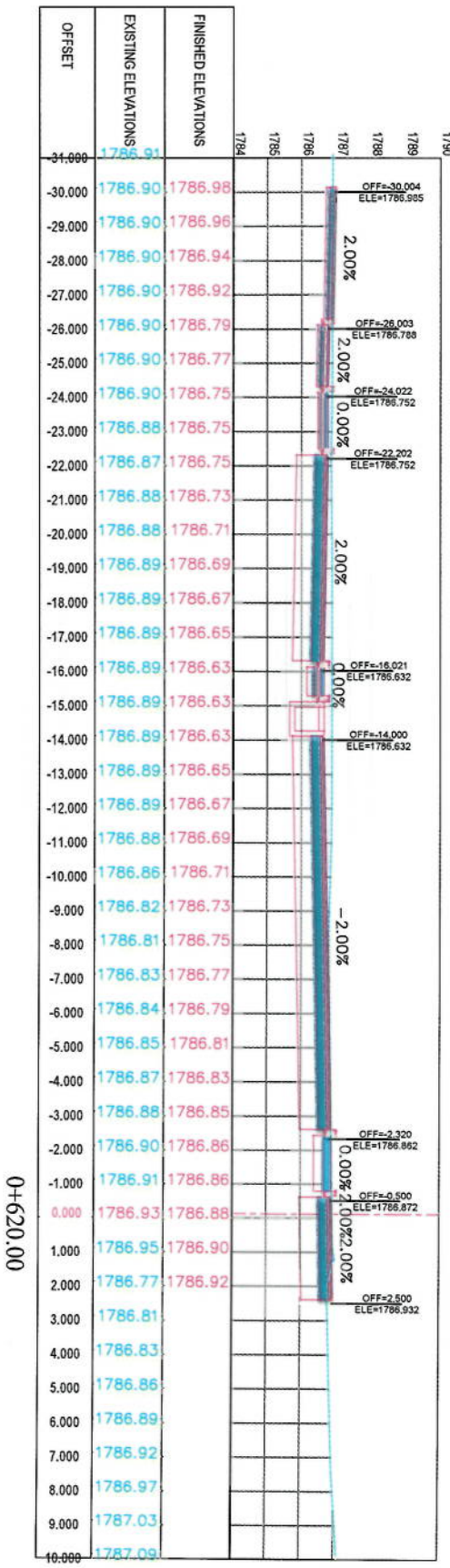
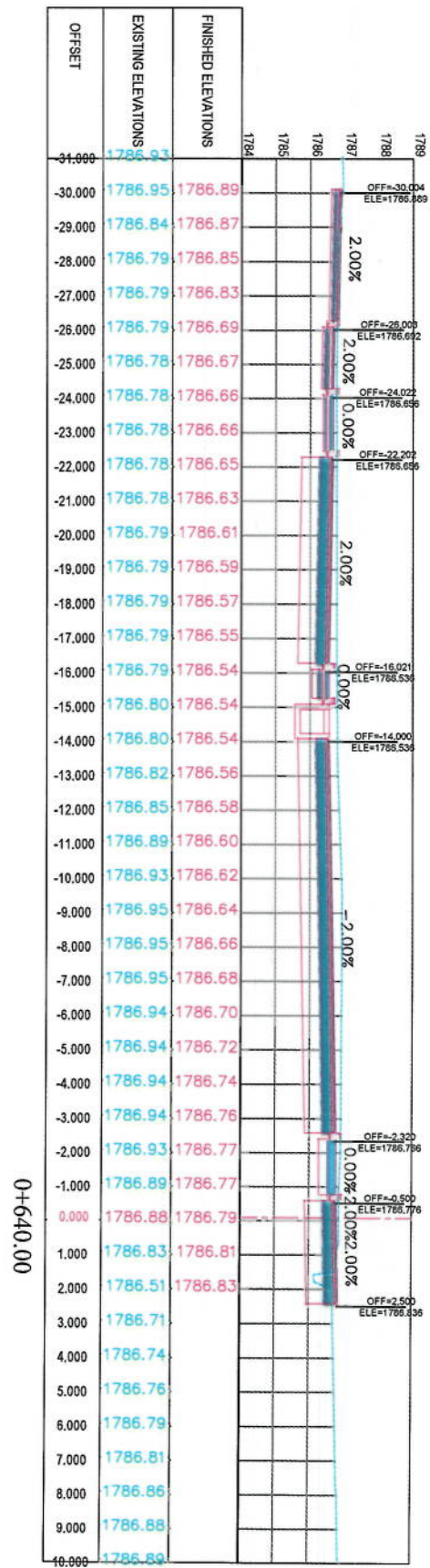
Designed by: Signature:
Drawn by: Signature:
Checked by: Signature:
Hassan Shahzad

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code:

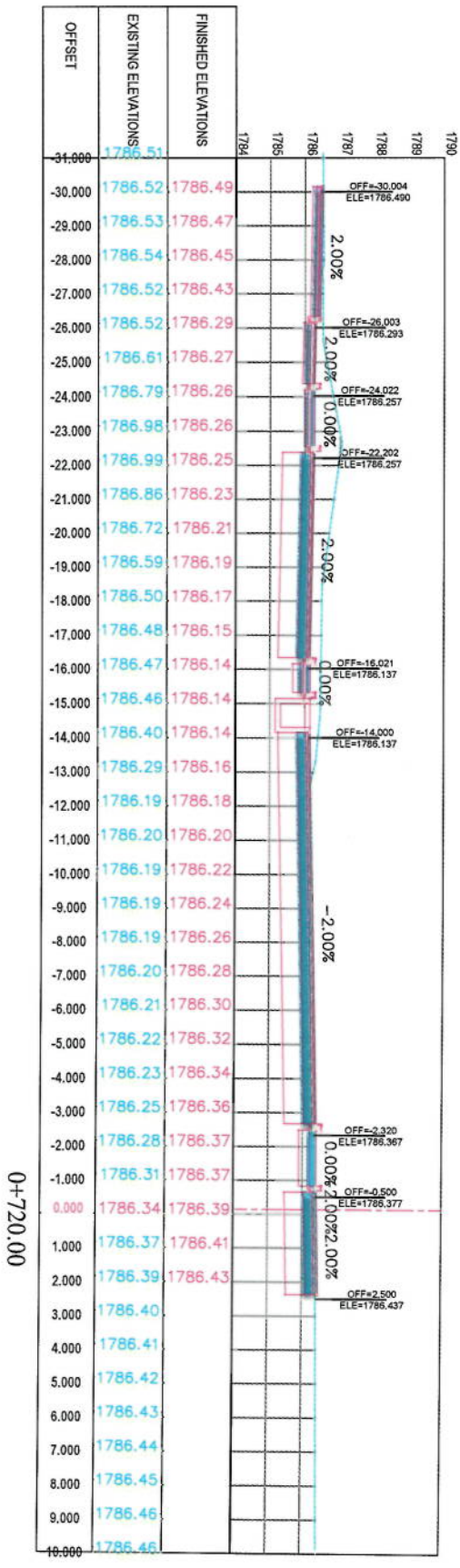
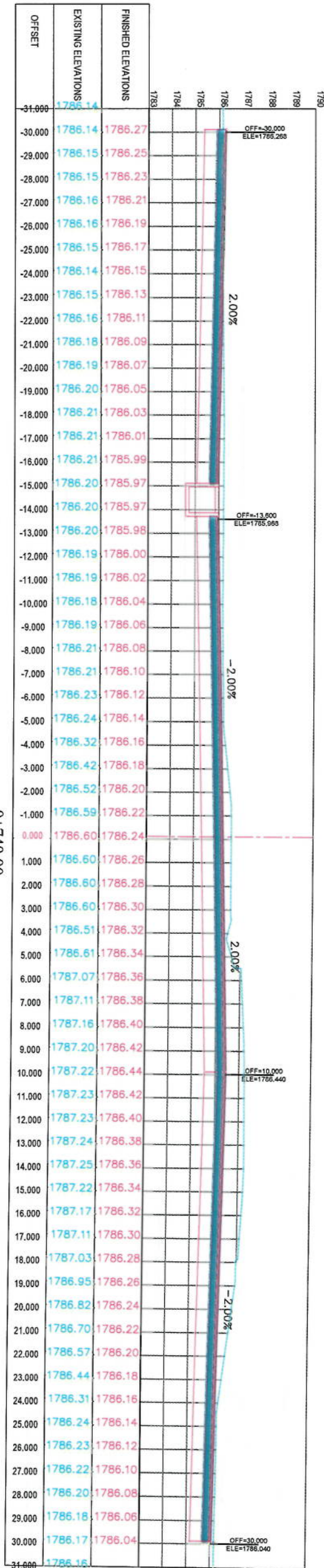
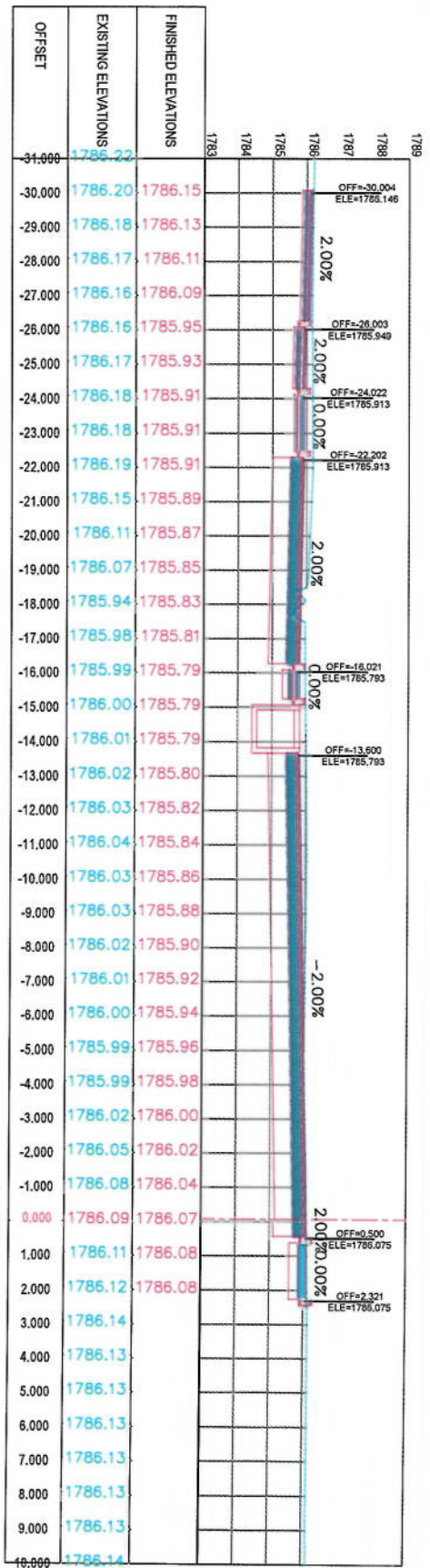
Drawing Number:
CS-10
Revision:
00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client:	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	C/S-Sang To Demnang Road project
Drawing Title:	CROSS SECTIONS
Designed by:	Mohammad Raza Star
Drawn by:	Mohammad Raza Star
Checked by:	Hasibullah Sadiq
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	CS-11
Drawing Number:	00



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

LEGENDS
— CENTER LINE
— EXISTING SURFACE
— EXISTING SIDE DITCH



Client
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Core-Singh To Damanang
Road project

During Title:

CROSS SECTIONS

Designed by:
Signature
Drawn by:
Signature
Checked by:
Signature
Hemishah Shukur

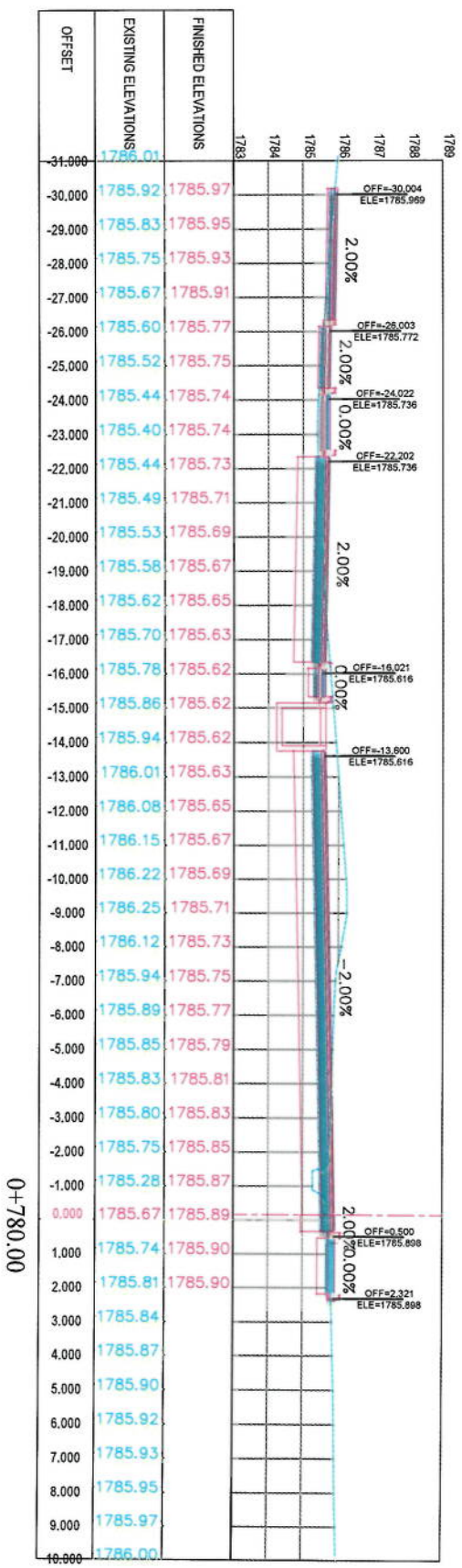
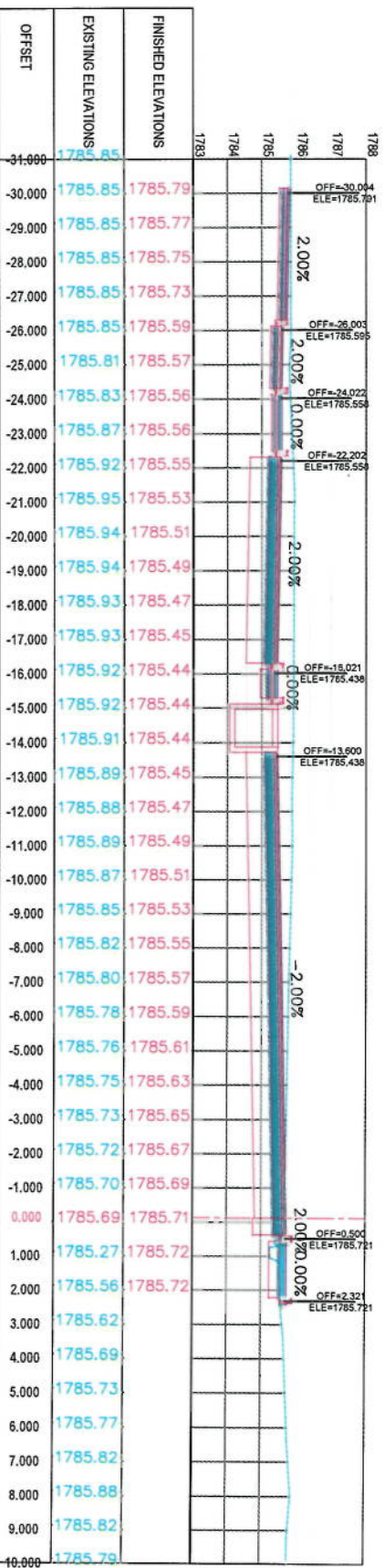
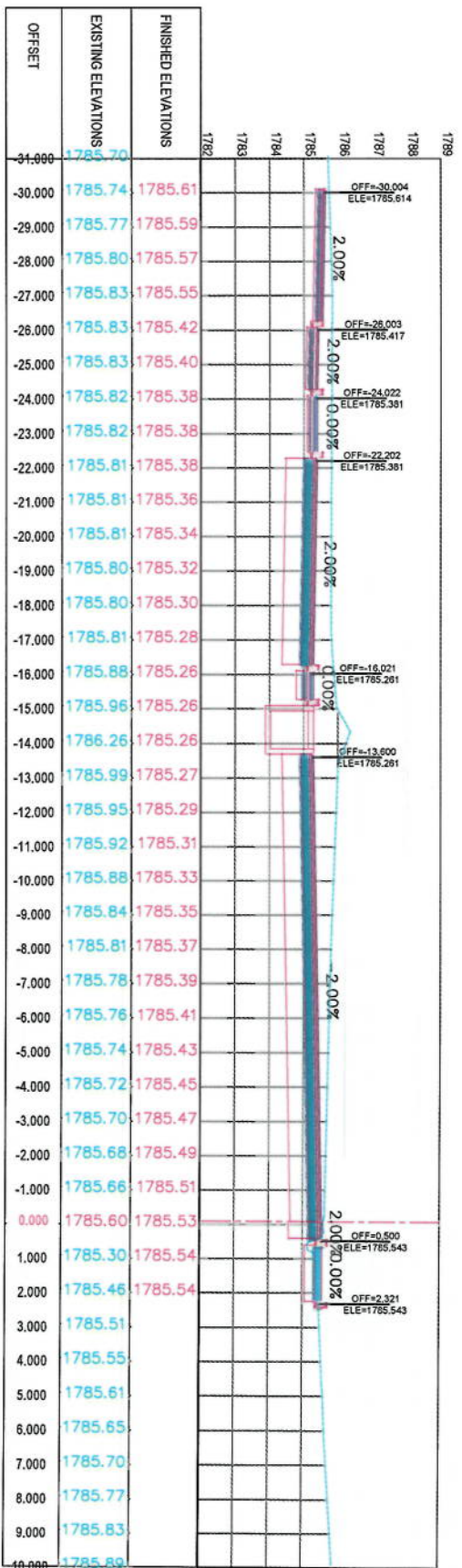
Date
6/7/2023
Scale
1:200

Status
FINAL DESIGN

Project Code

Drawing Number
CS-13

Revision
00



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

- LEGENDS**
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client: ISLAMIC EMIRATE OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Col-Stamp To Demang Road project

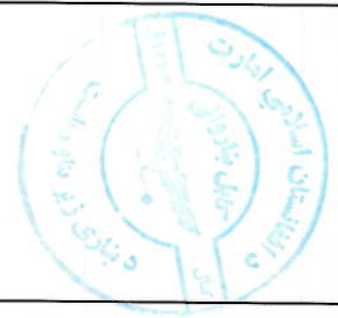
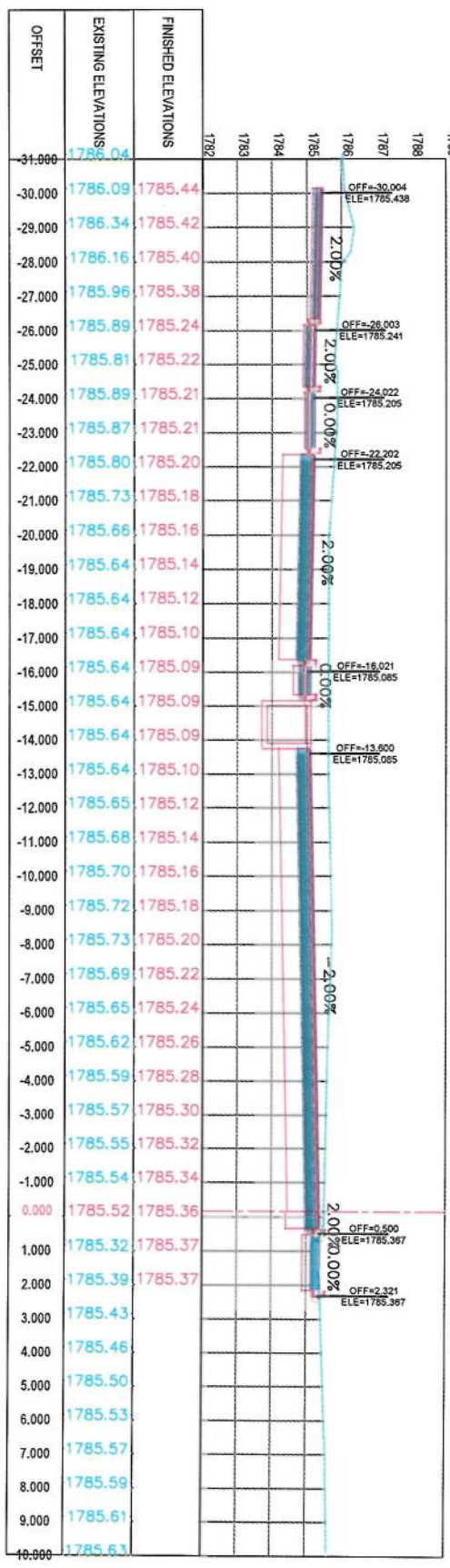
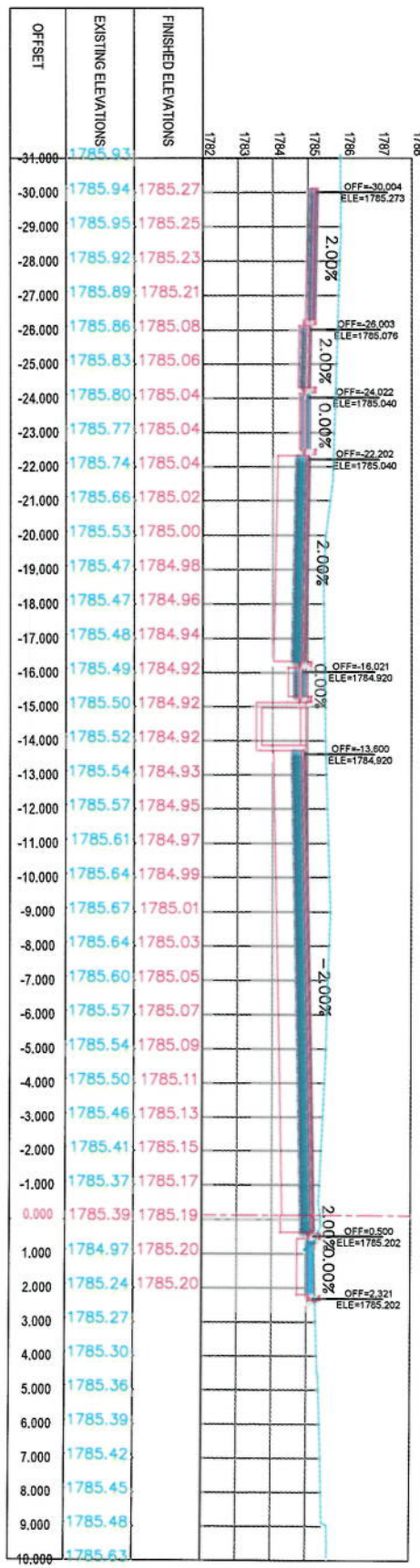
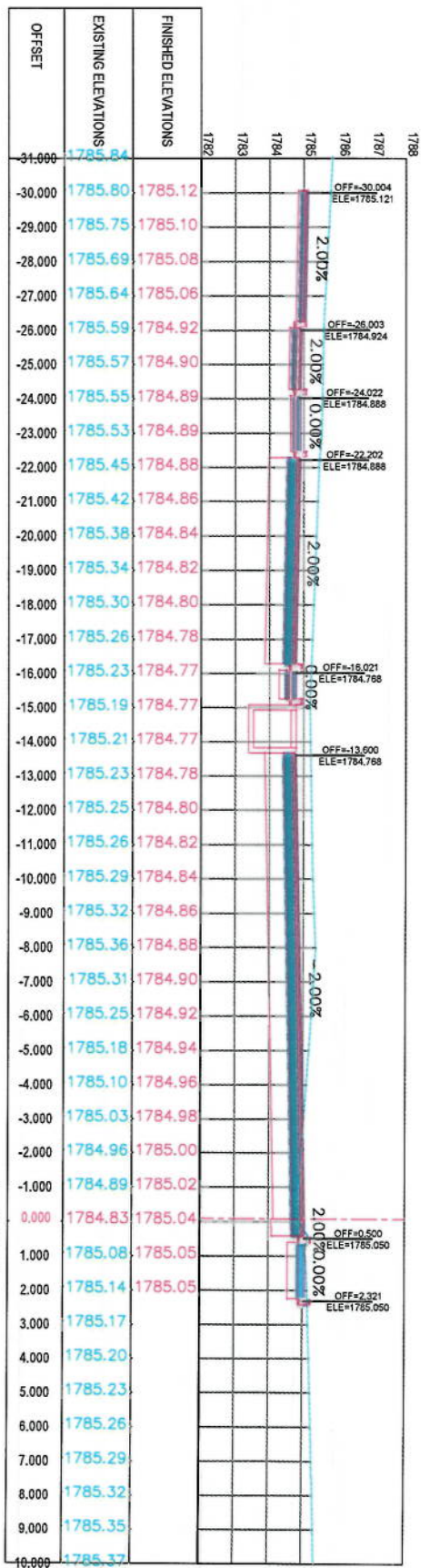
Drawing Title: CROSS SECTIONS

Designed by: Muhammad Ihsan Sidiq
Drawn by: Muhammad Ihsan Sidiq
Checked by: Hashidullah Shaban

Date: 6/7/2023
Scale: 1:200

Status: FINAL DESIGN

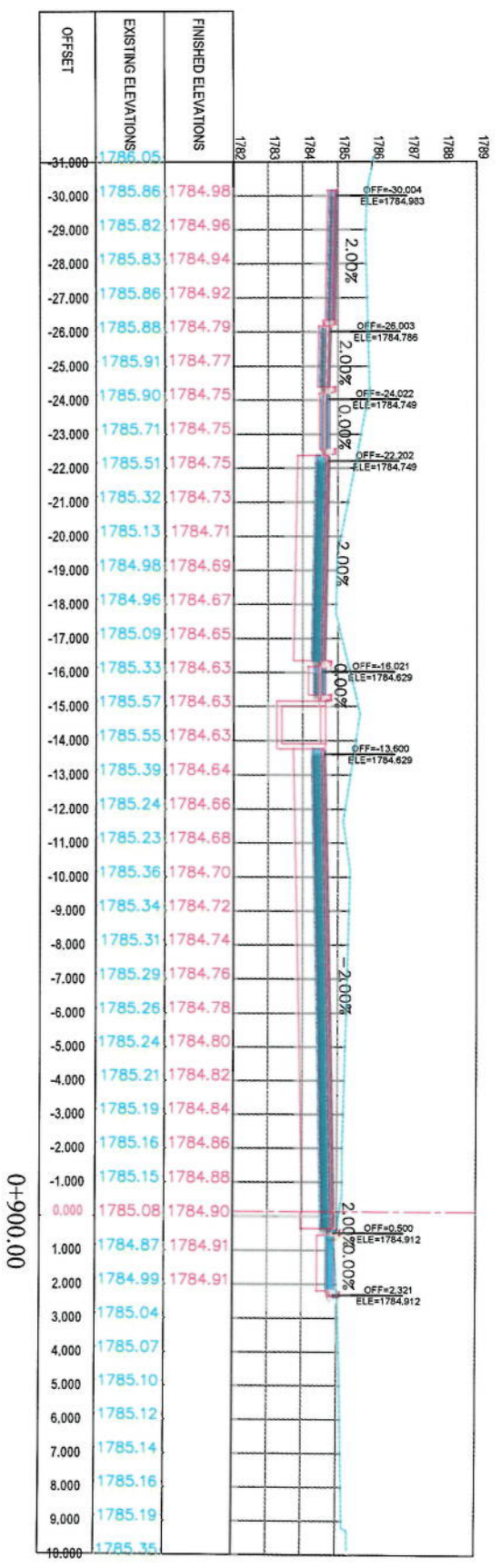
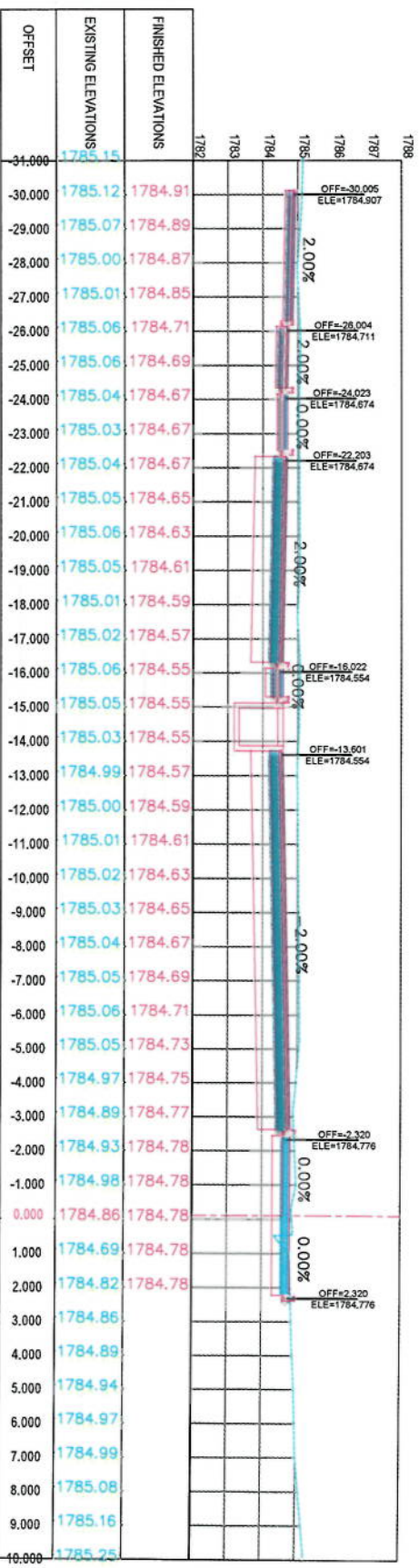
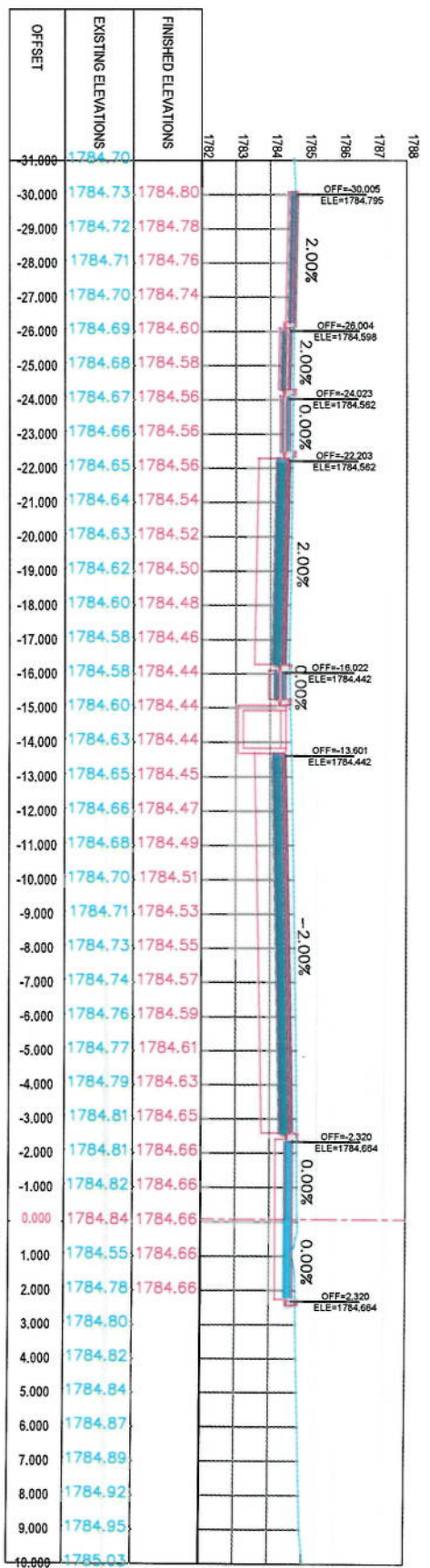
Drawing Number: CS-14
Revision: 00



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

- LEGENDS
- CENTERLINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client:	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	C/S-Sang To Demrang Road project
Drawing Title:	CROSS SECTIONS
Designed by:	Mohammad Easa Surt
Drawn by:	Mohammad Easa Surt
Checked by:	Hushulab Shalizi
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	
Drawing Number:	CS-15
Revision:	00



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

LEGENDS
— CENTER LINE
— EXISTING SURFACE
— EXISTING SIDE DITCH



Client:
ISLAMIC REPUBLIC OF AFGHANISTAN

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Old Street To Demolish Road Project

Drawing Title:
CROSS SECTIONS

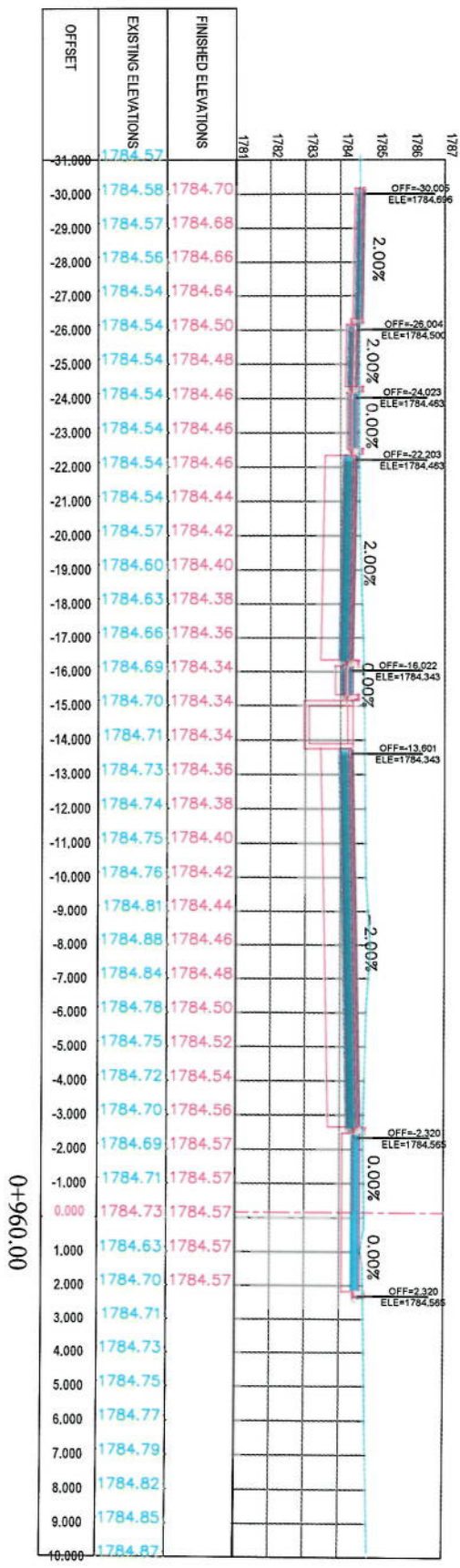
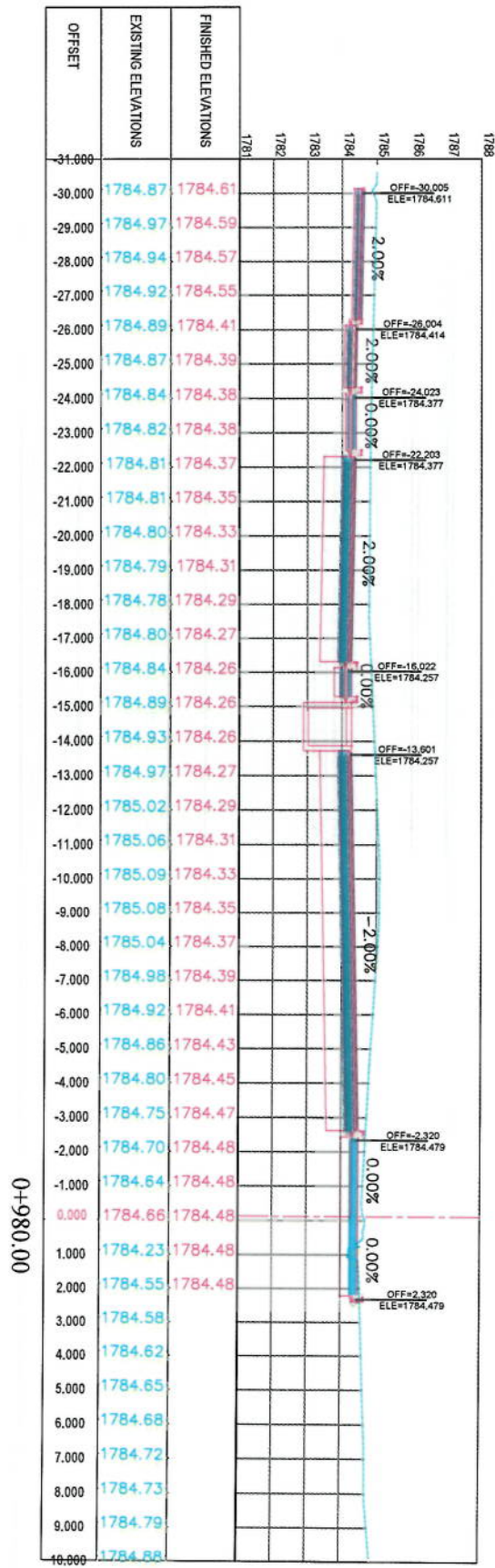
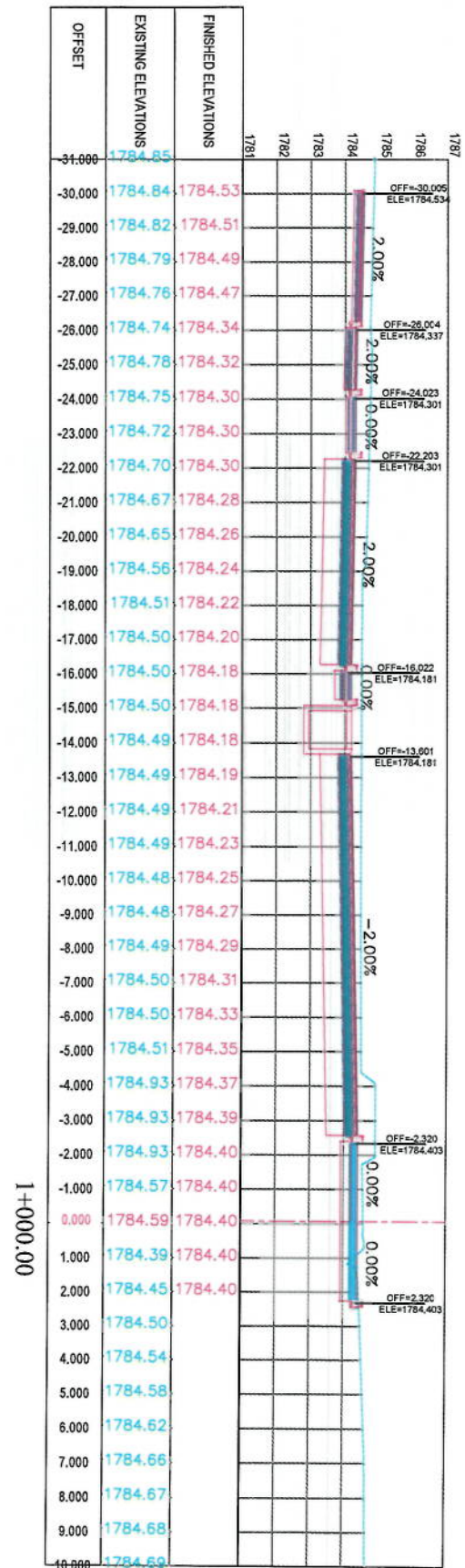
Designed by:
Mohammad Eisa Saeed
Drawn by:
Mohammad Eisa Saeed
Checked by:
Hashimullah Shalizi

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code:
CS-16

Drawing Number:
00



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

LEGENDS: CENTER-LINE (solid line), EXISTING SURFACE (dashed line), EXISTING SIDE DITCH (dotted line).

Client: ISLAMIC EMIRATE OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Co-5 Street To Daramang Road project

Drawing Title: CROSS SECTIONS

Designed by: Signature: [Signature]

Drawn by: Signature: [Signature]

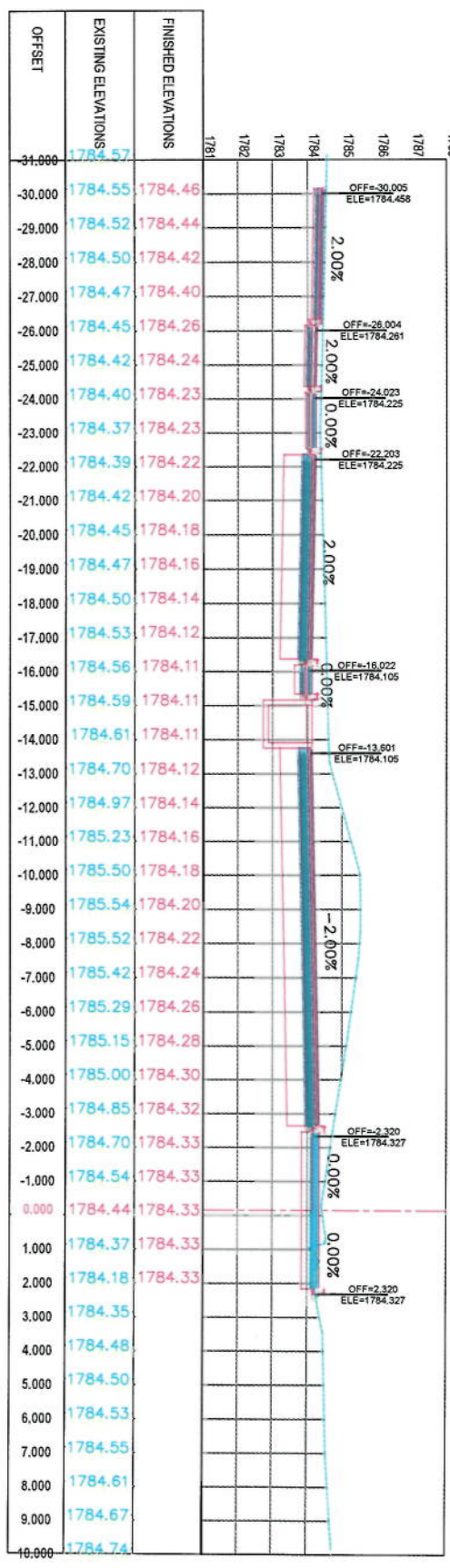
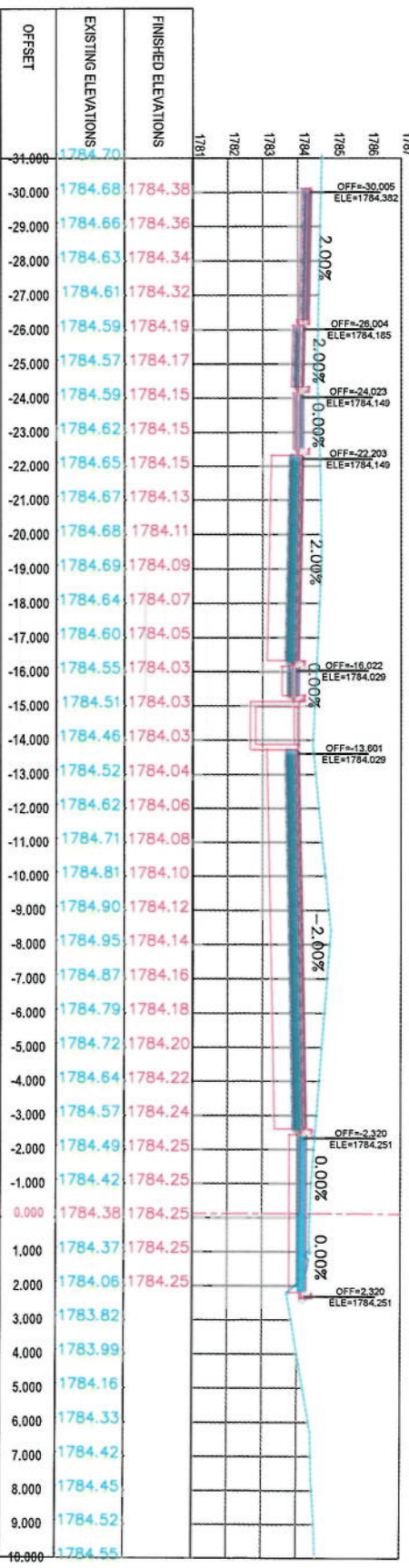
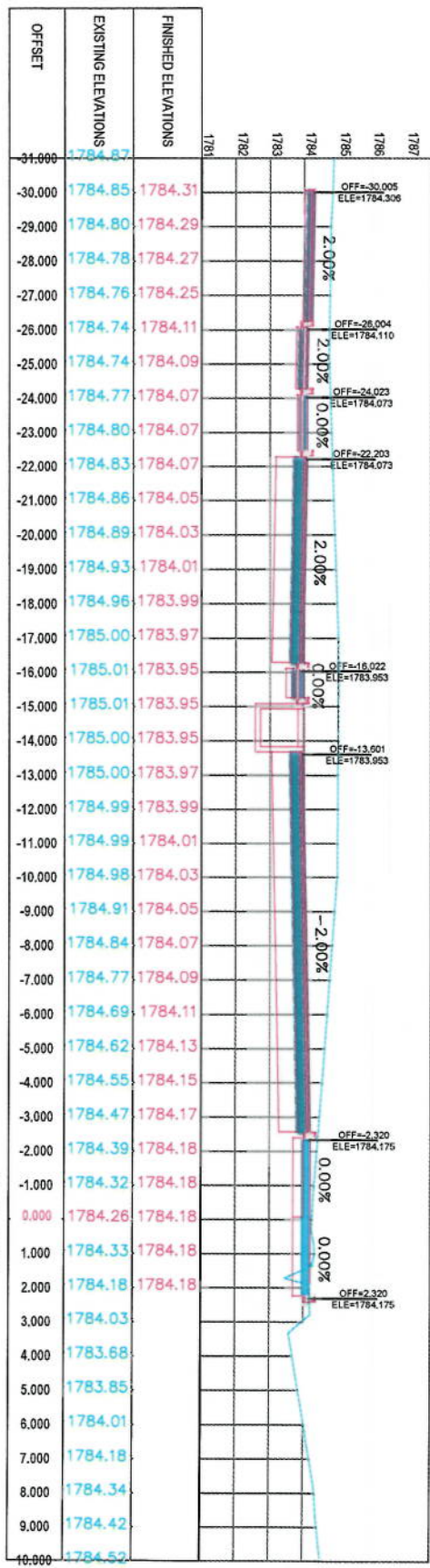
Checked by: Signature: [Signature]

Date: 6/7/2023 Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-17

Drawing Number: 00



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

LEGENDS
— CENTERLINE
— EXISTING SURFACE
— EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

DESIGN TEAM

Project Name:
Cable-Sang To Damrang
Road project

Drawing Title:

CROSS SECTIONS

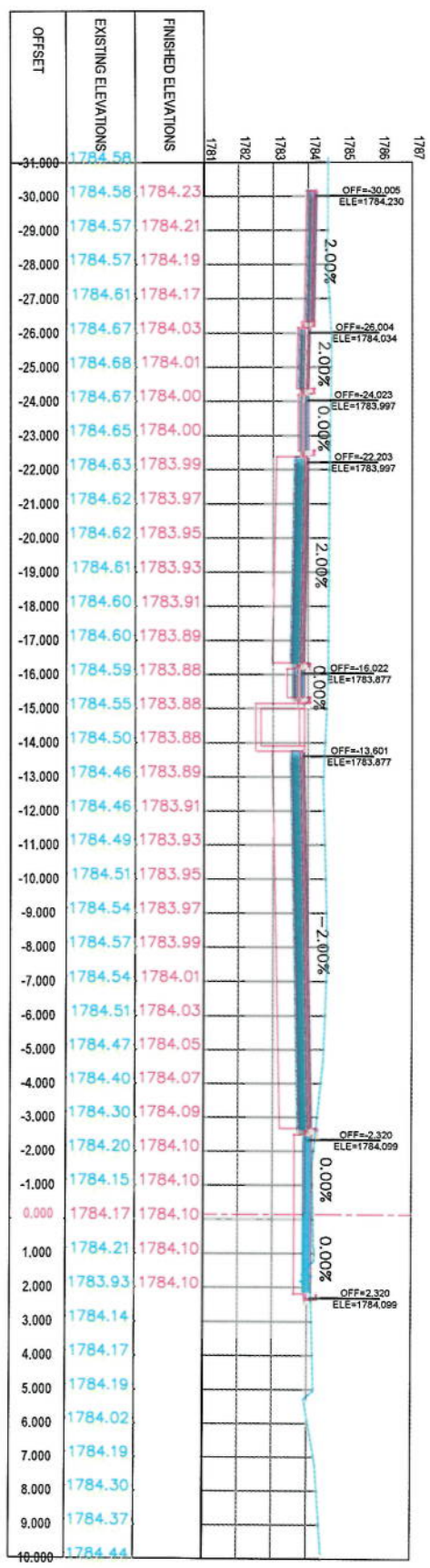
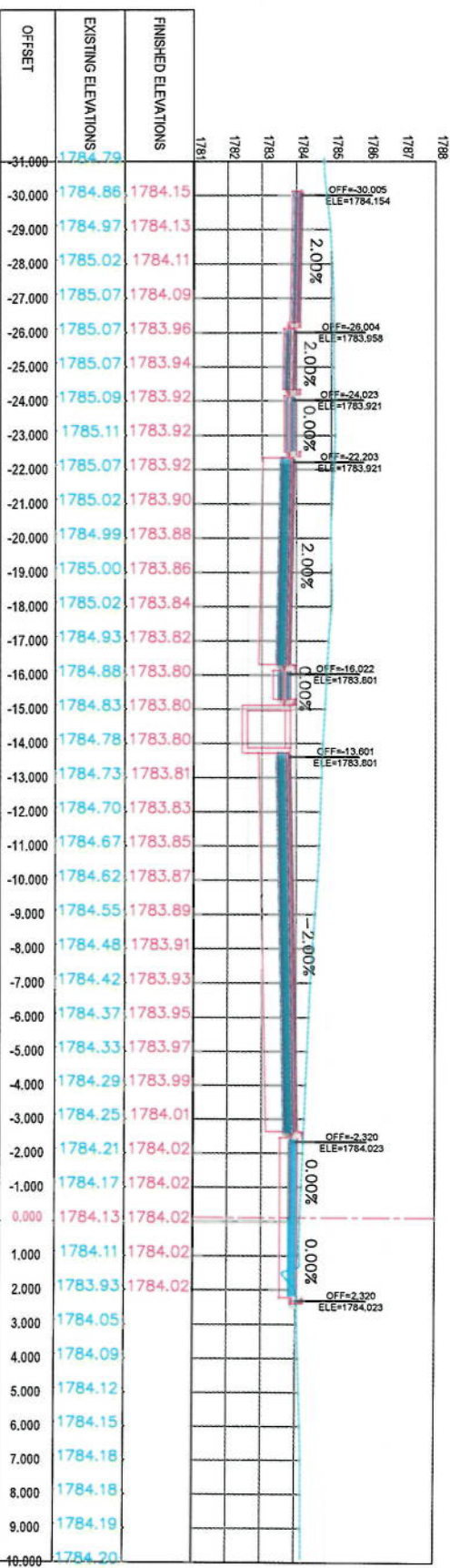
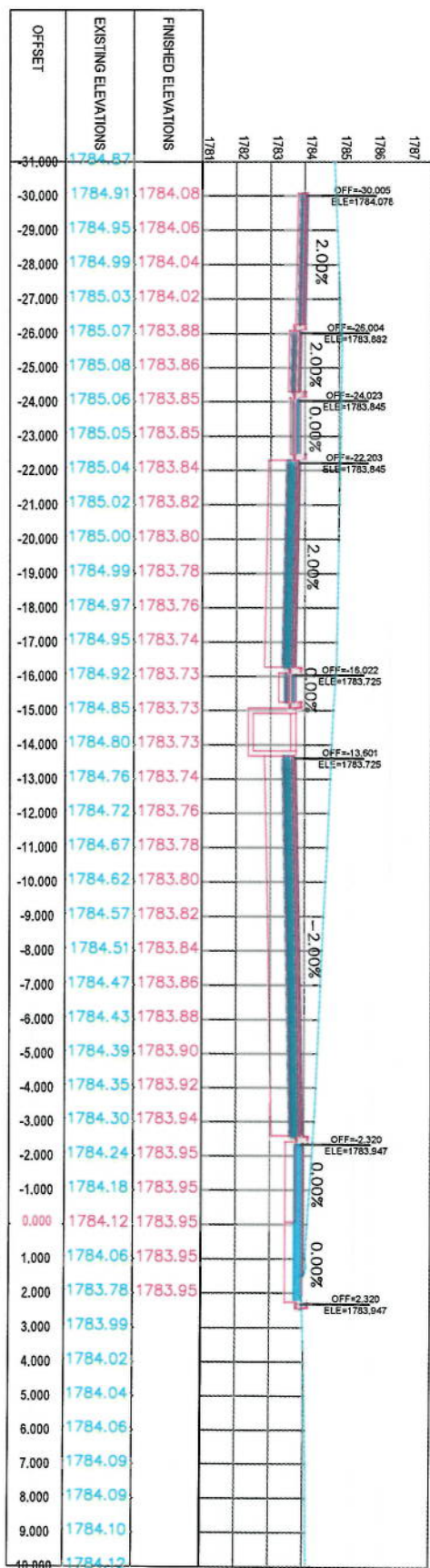
Designed by:
Mohammad Ehsan Saeed
Signature:
Checked by:
Signature:
Hassanullah Saeed

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code:

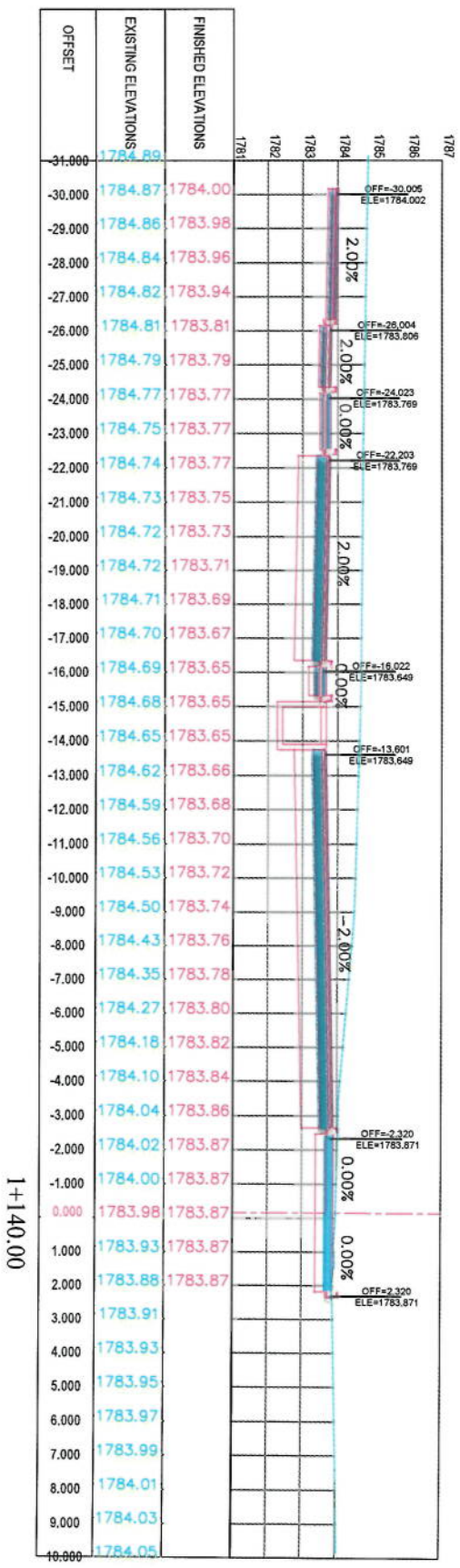
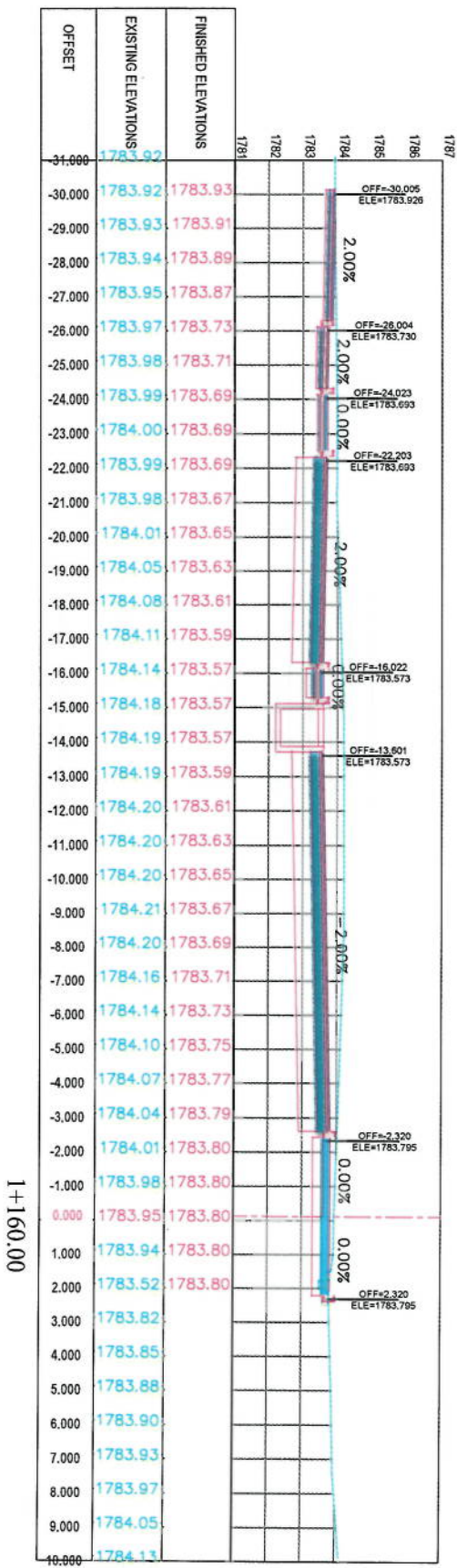
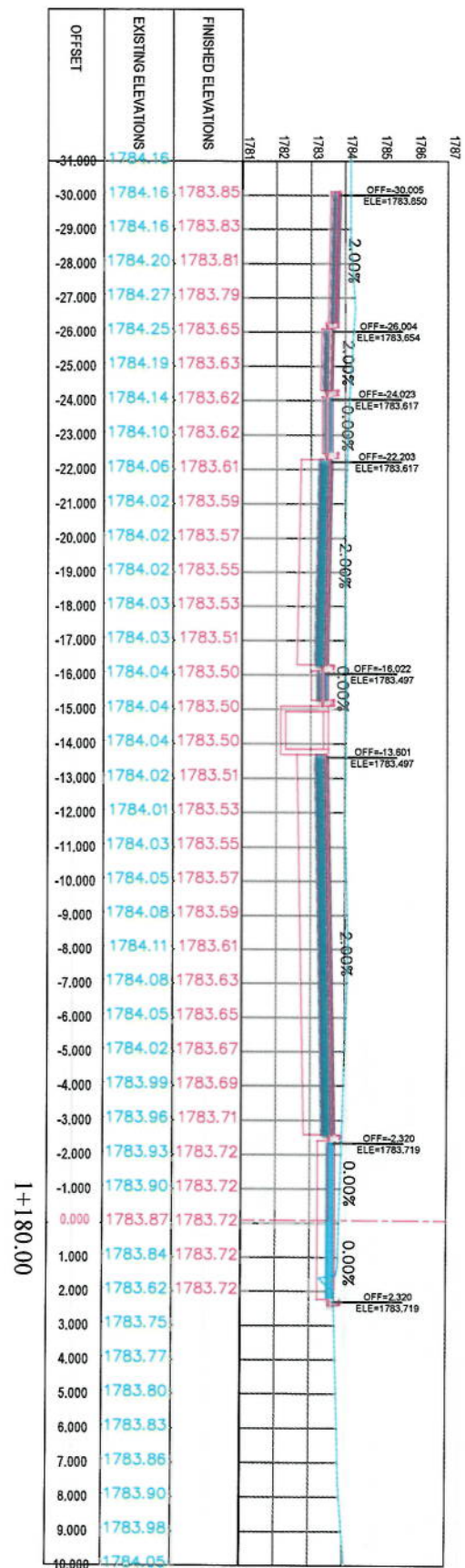
Drawing Number:
CS-18
Revision:
00



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

- LEGENDS**
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client: ISLAMIC EMIRATE OF AFGHANISTAN	
Designed by: KABUL MUNICIPALITY DESIGN TEAM	
Project Name: Col-Sang To Demang Road project	
Drawing Title: CROSS SECTIONS	
Designed by: Mohammad Fiaz Sani	Signature:
Drawn by: Mohammad Fiaz Sani	Signature:
Checked by: Hashidullah Shabiz	Signature:
Date: 6/7/2023	Scale: 1:200
Status: FINAL DESIGN	
Project Code: CS-19	Revision: 00



LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

NOTE

1. All dimensions are in meters unless otherwise indicated.

Client: ISLAMIC EMIRATE OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Co-Sanitary To Demang Road Project

Drawing Title: CROSS SECTIONS

Designed by: Muhammad Fiaz Sana

Drawn by: Muhammad Fiaz Sana

Checked by: Muhammad Fiaz Sana

Signature: [Signature]

Date: 6/7/2023

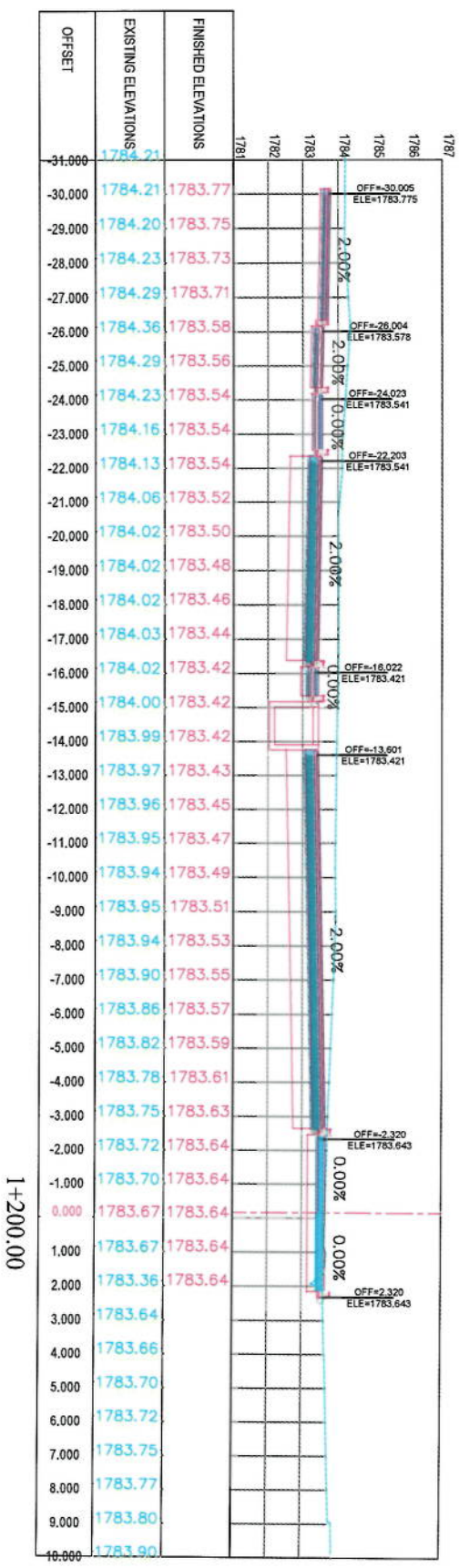
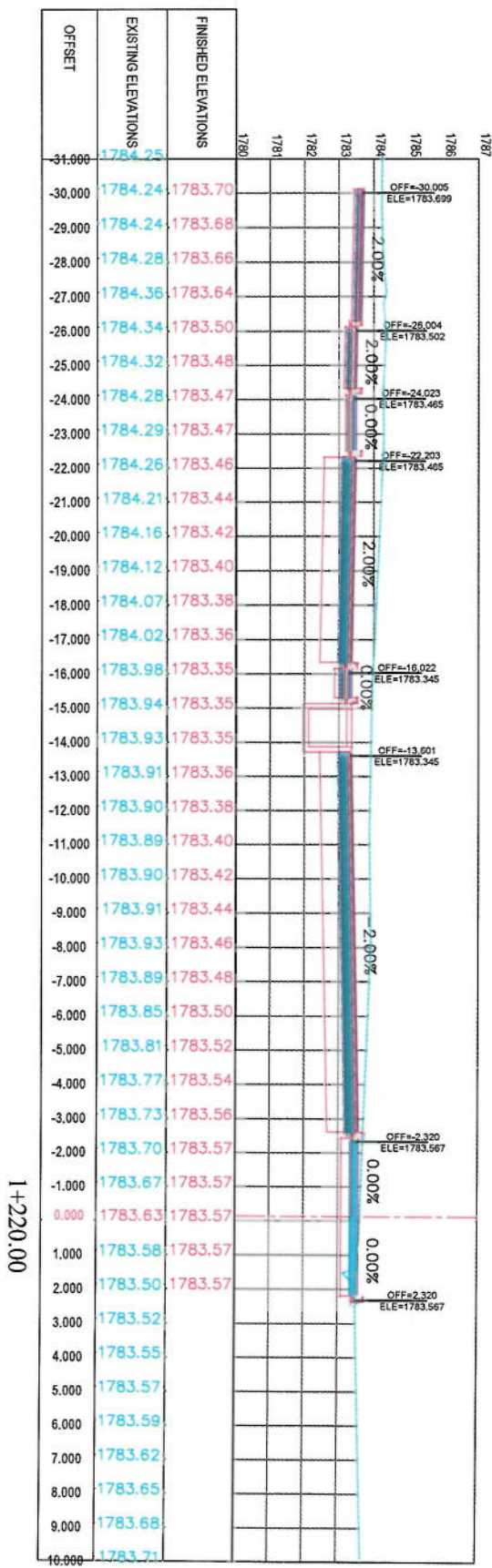
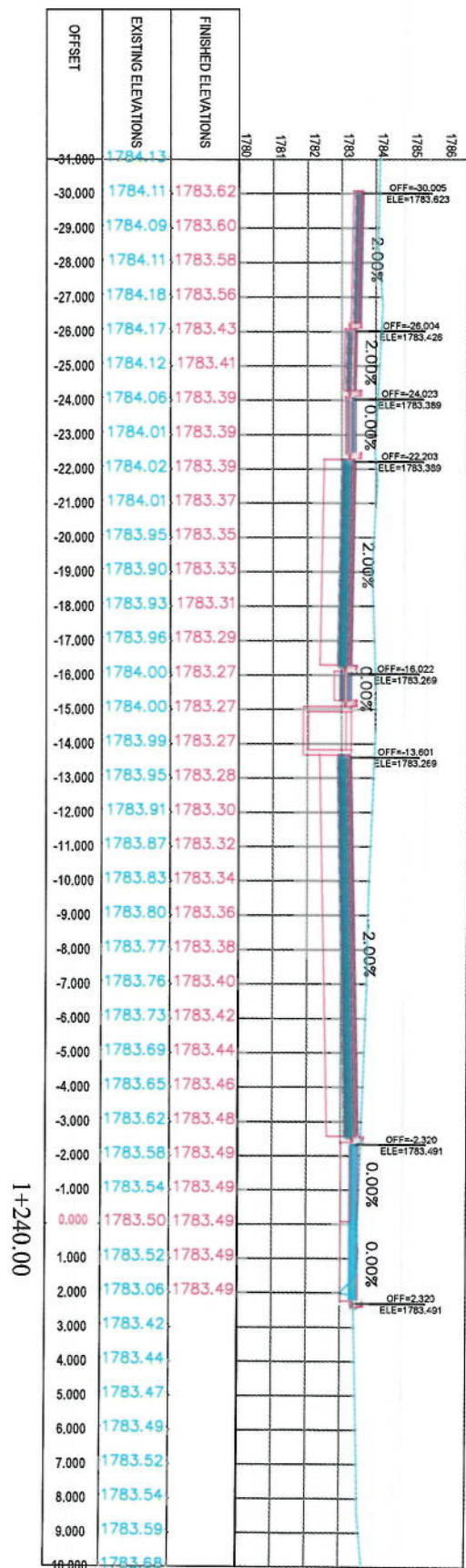
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-20

Drawing Number: 00

Revision: 00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH

Client	KABUL MUNICIPALITY
Project Name	C/S-21 To Durrang
Design Team	CS-21
Scale	1:200
Date	6/7/2023
Revision Details	Drawn

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

CROSS SECTIONS

Designed by:
Signature:
Drawn by:
Signature:
Checked by:
Signature:
Hassan Shariq

Date:
6/7/2023

Scale:
1:200

Status:
FINAL DESIGN

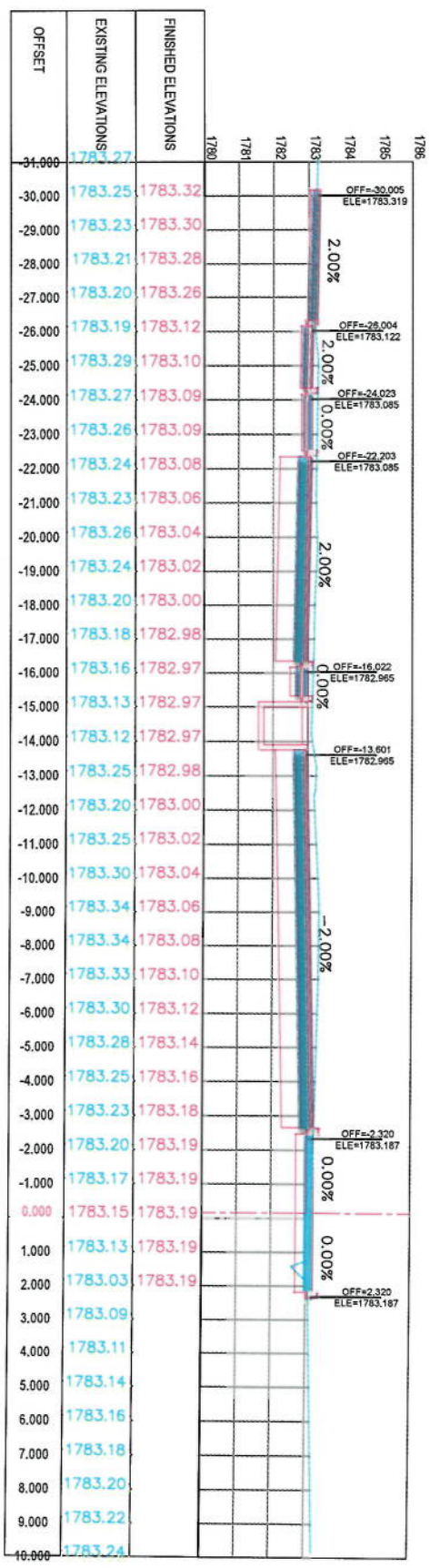
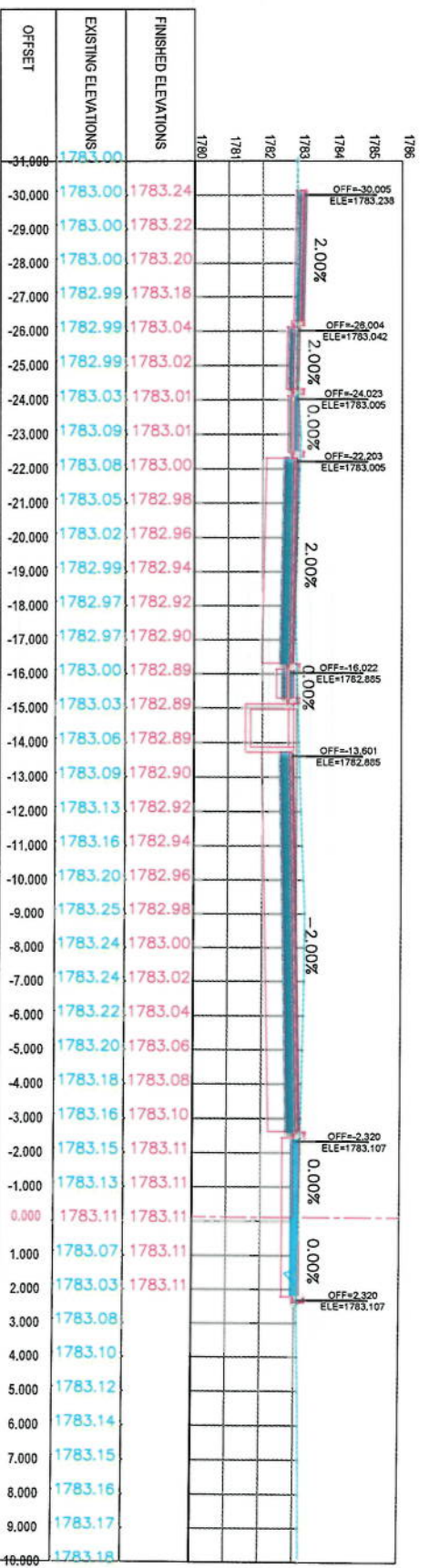
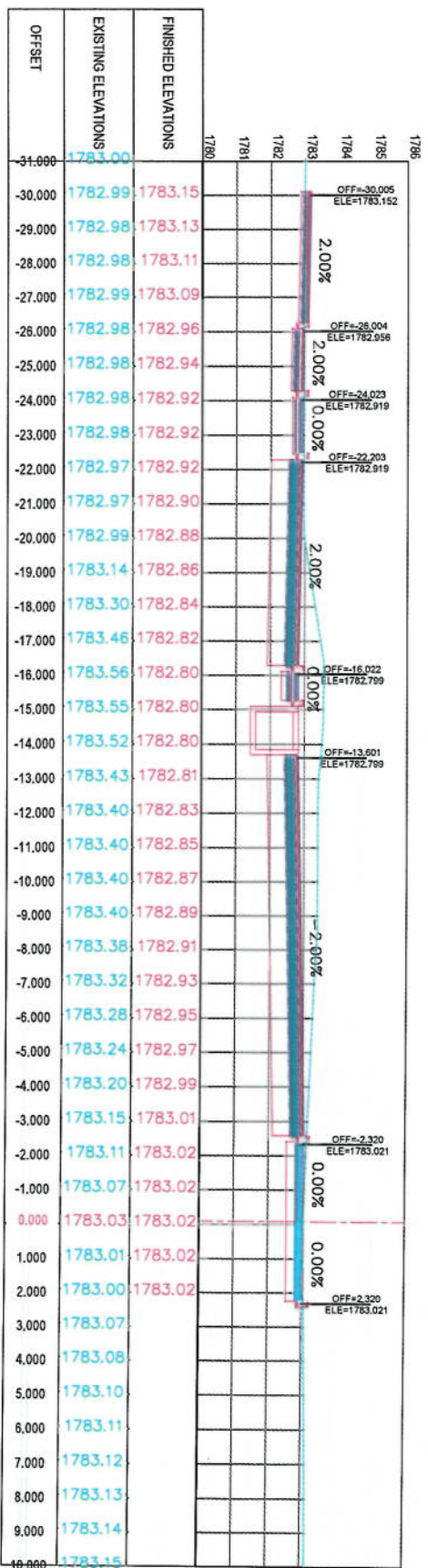
Project Code

Drawing Number

CS-21

Revision

00



LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

NOTE

1. All dimensions are in meters unless otherwise indicated.

Client: ISLAMIC EMIRATE OF AFGHANISTAN

Project Name: KABUL MUNICIPALITY DESIGN TEAM

Designed by: [Signature]

Drawn by: [Signature]

Checked by: [Signature]

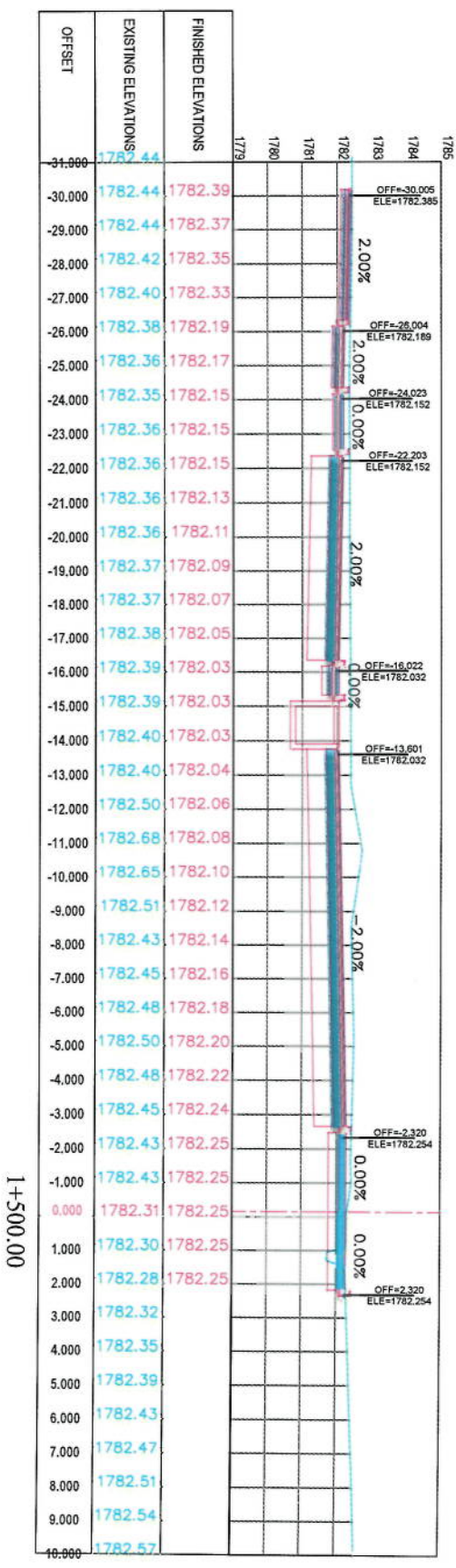
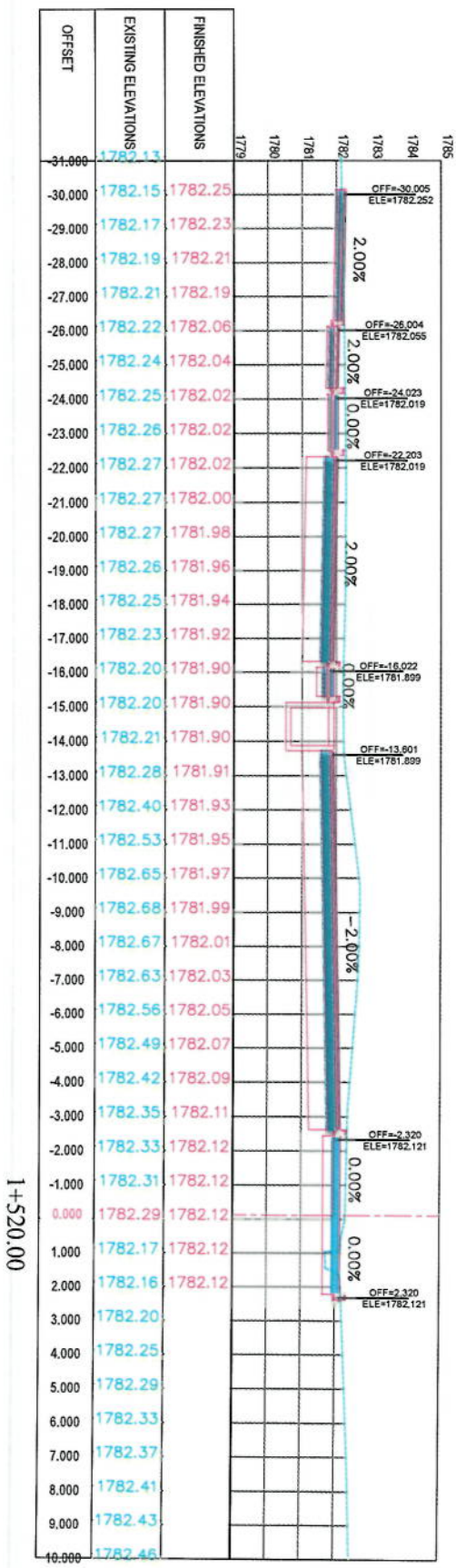
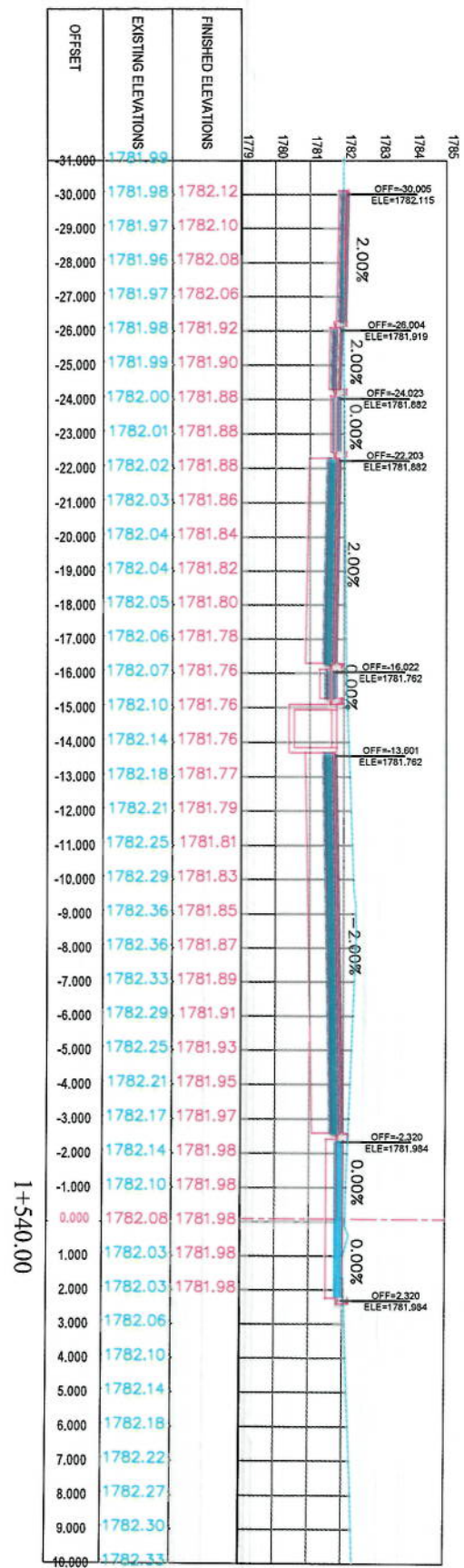
Date: 6/7/2023

Scale: 1:200

Status: FINAL DESIGN

Drawing Number: CS-23

Revision: 00



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

LEGENDS

- CENTER-LINE
- - - EXISTING SURFACE
- EXISTING SIDE DITCH



Client:	KABUL MUNICIPALITY
Project Name:	Cross-Section To Damazang Road project
Design Title:	
Designed by:	
Drawn by:	
Checked by:	
Date:	
Revision Details:	
Drawn:	

Client:	KABUL MUNICIPALITY
Project Name:	Cross-Section To Damazang Road project
Design Title:	
Designed by:	
Drawn by:	
Checked by:	
Date:	
Revision Details:	
Drawn:	

Client:	KABUL MUNICIPALITY
Project Name:	Cross-Section To Damazang Road project
Design Title:	
Designed by:	
Drawn by:	
Checked by:	
Date:	
Revision Details:	
Drawn:	

Client:	KABUL MUNICIPALITY
Project Name:	Cross-Section To Damazang Road project
Design Title:	
Designed by:	
Drawn by:	
Checked by:	
Date:	
Revision Details:	
Drawn:	

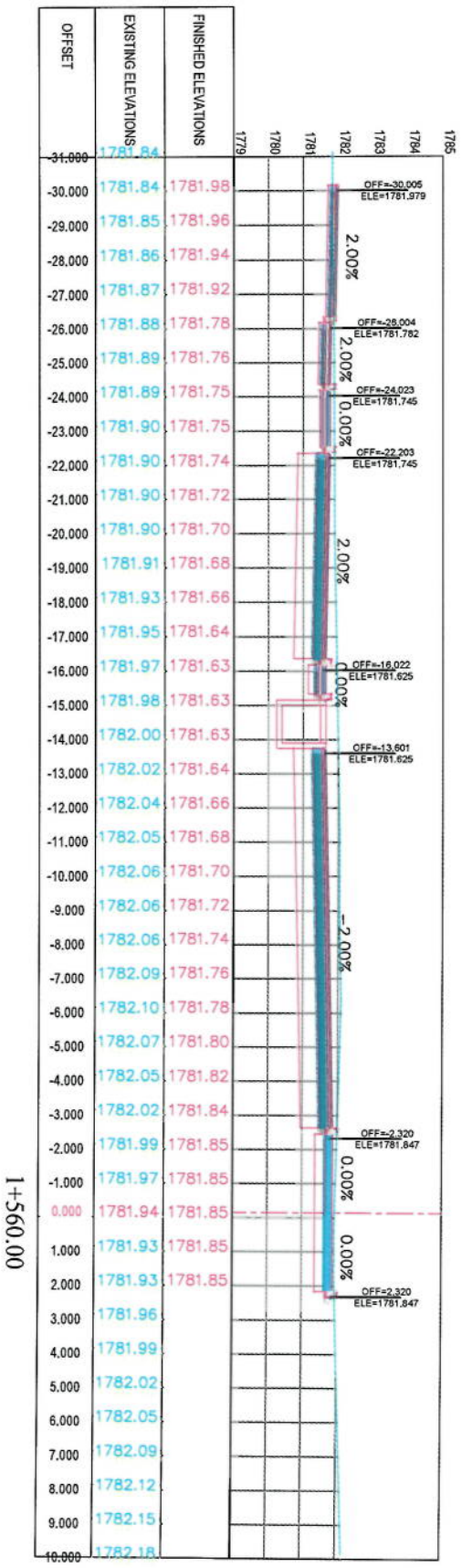
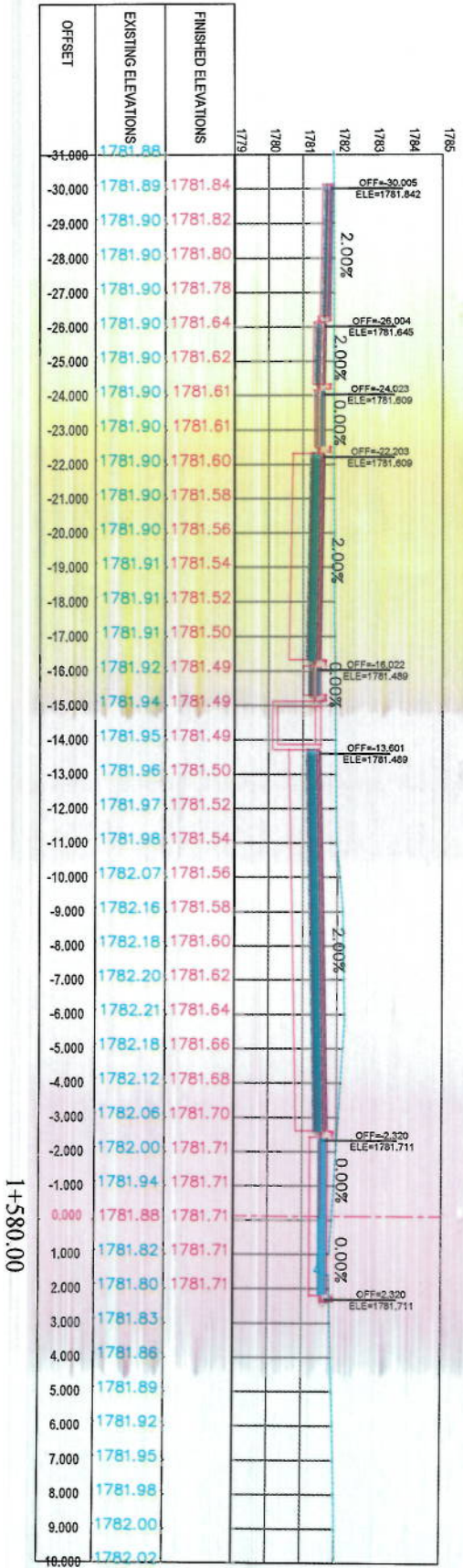
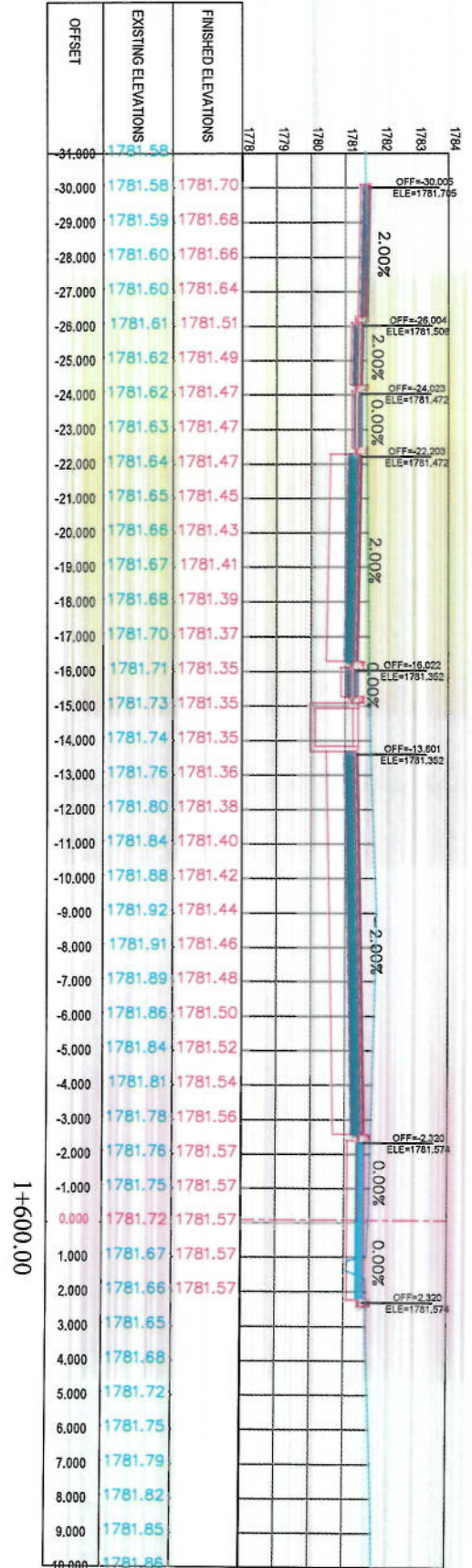
Client:	KABUL MUNICIPALITY
Project Name:	Cross-Section To Damazang Road project
Design Title:	
Designed by:	
Drawn by:	
Checked by:	
Date:	
Revision Details:	
Drawn:	

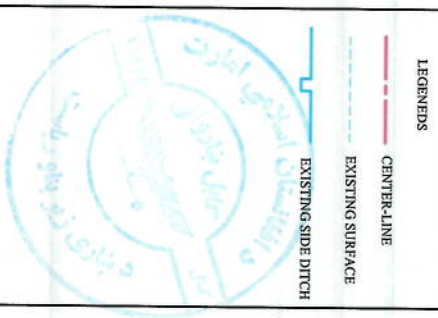
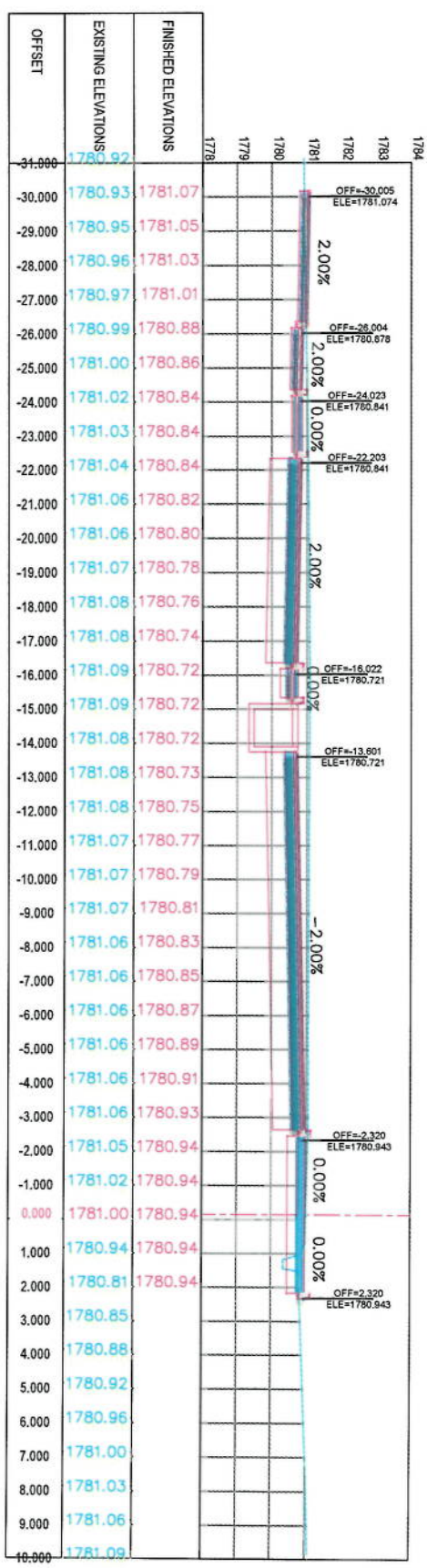
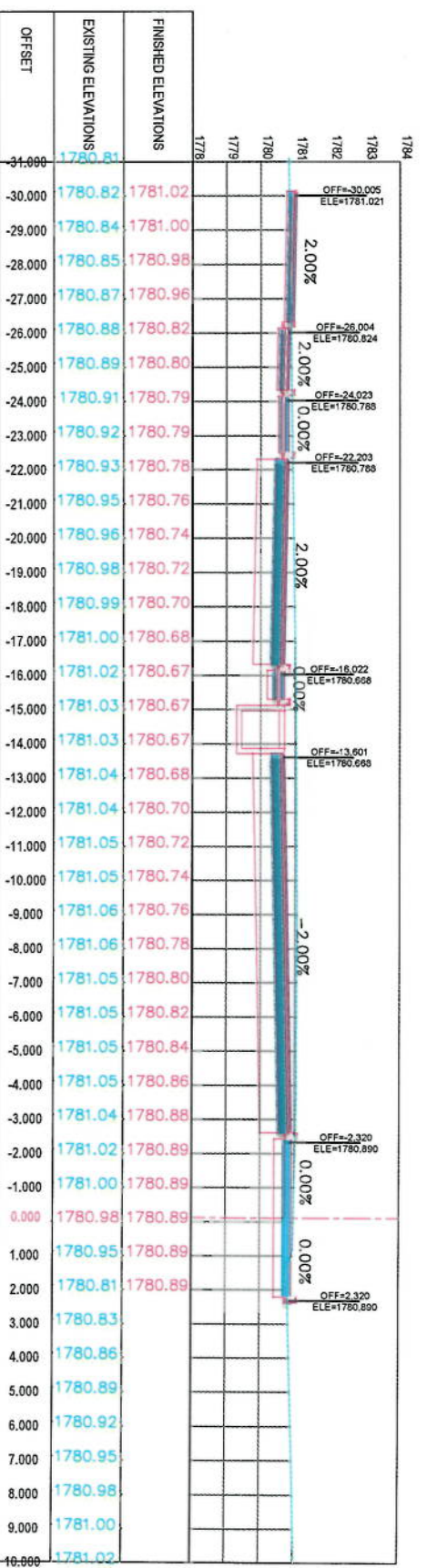
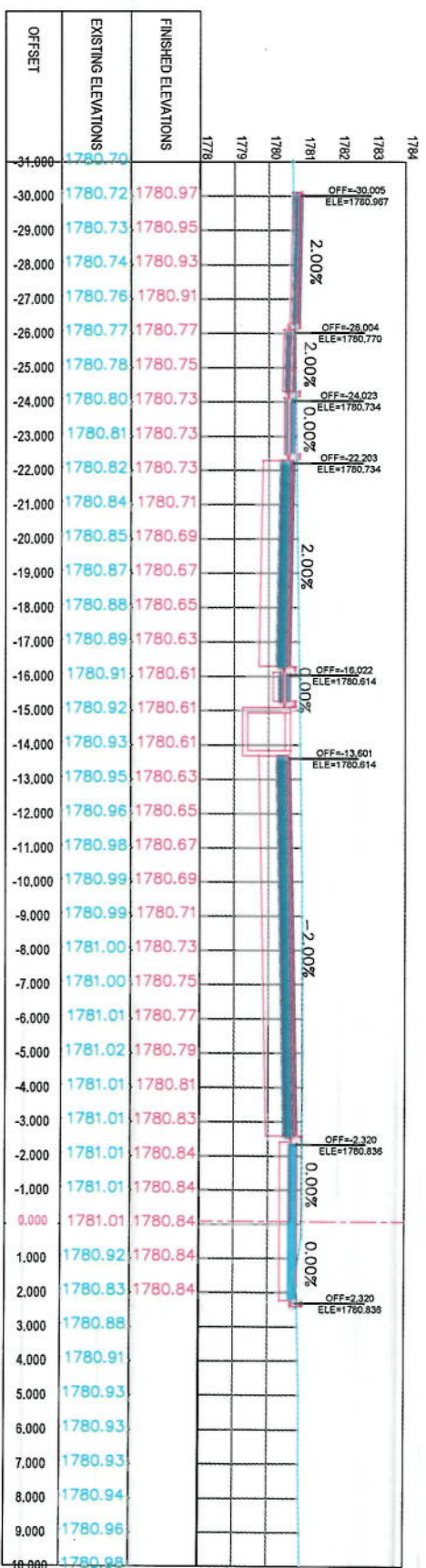
NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



Client:	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	Go-Sang To Demnang Road Project
Drawing Title:	CROSS SECTIONS
Designed by:	Mohammad Eesa Sani
Drawn by:	Mohammad Eesa Sani
Checked by:	Hanishah Shadia
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	
Drawing Number:	CS-27
Revision:	00





NOTE:

1. All dimensions are in meters unless otherwise indicated.

Client: ISLAMIC EMIRATE OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Col-Sanj To Demnang Road project

Drawing Title: CROSS SECTIONS

Designed by: Mohammad Easa Sani

Drawn by: Mohammad Easa Sani

Checked by: Habibullah Shalizi

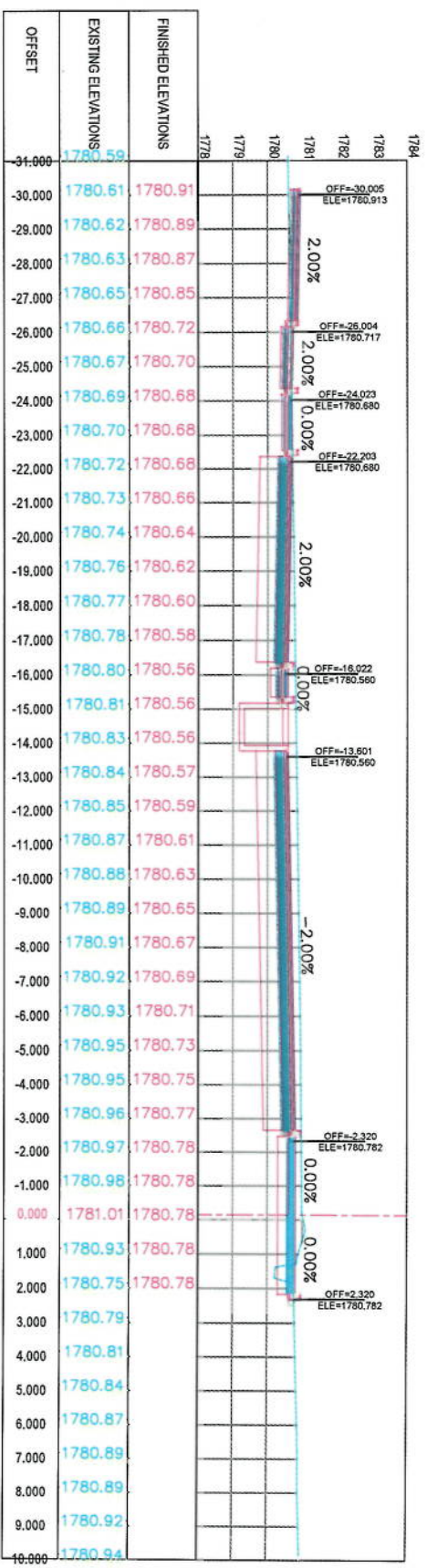
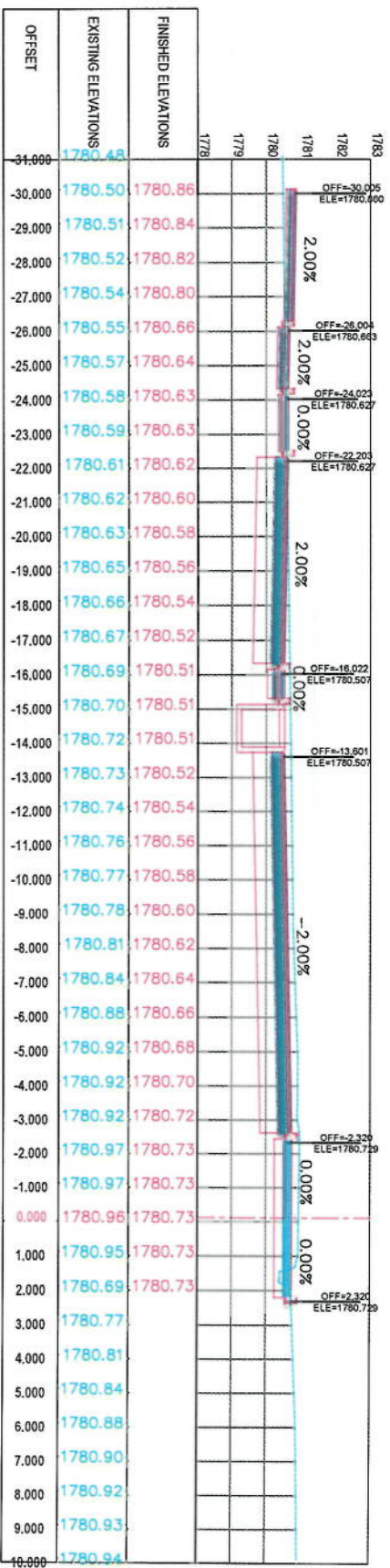
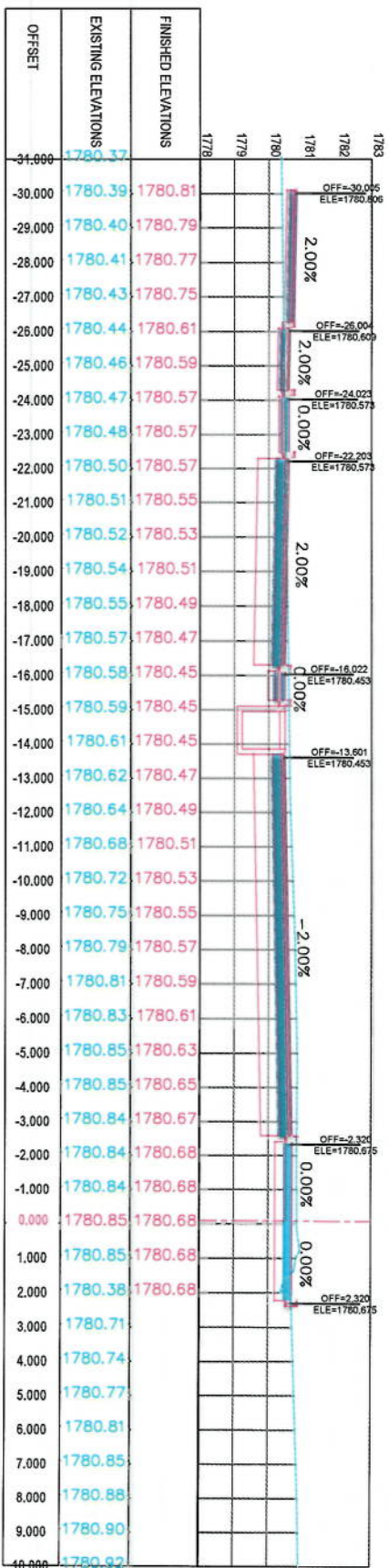
Date: 6/7/2023

Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-30

Drawing Number: 00



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

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Date	Revision Details

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Co-5-Sang To Demnang Road project

Drawing Title: CROSS SECTIONS

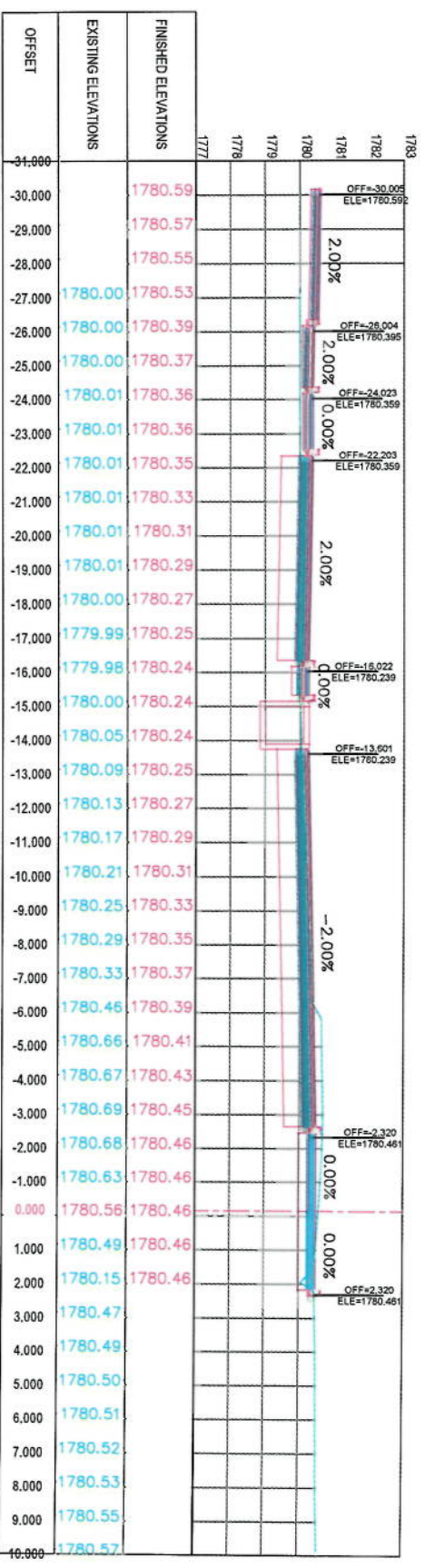
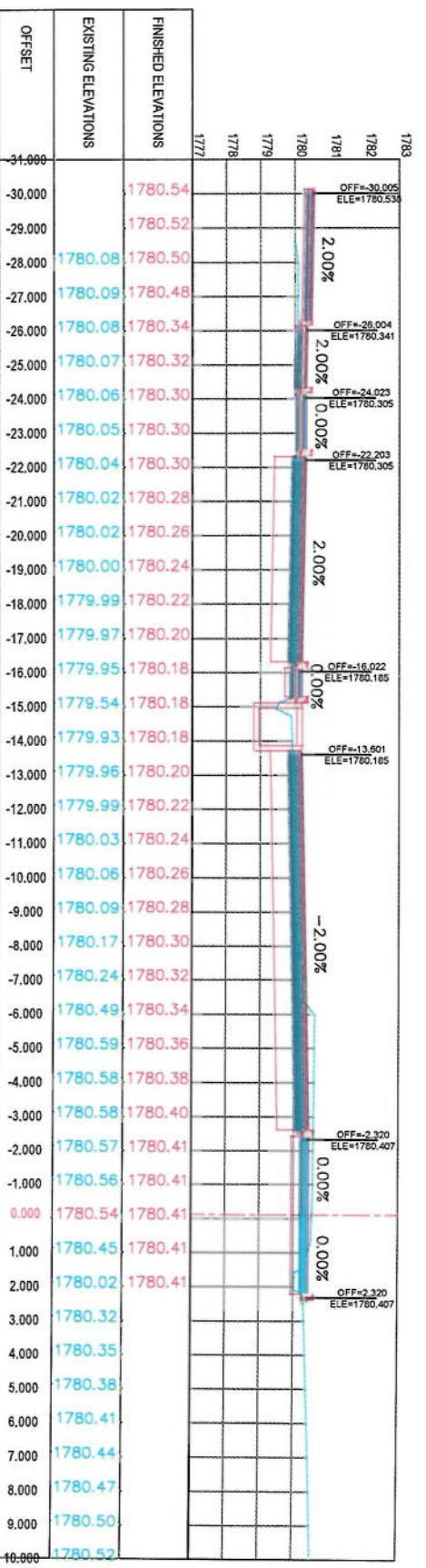
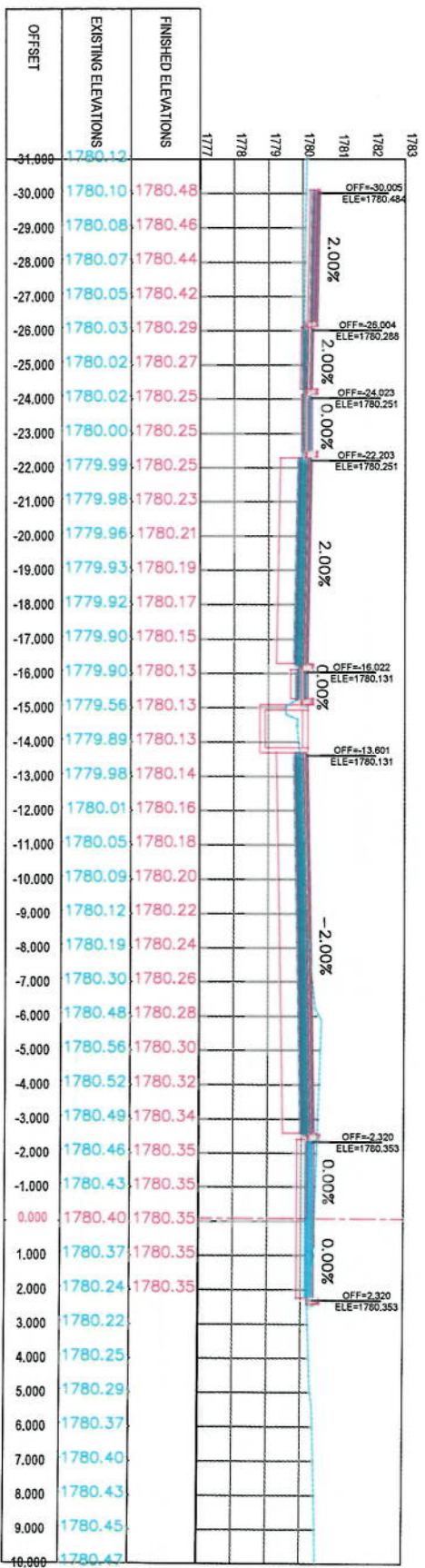
Designed by: Signature:
 Drawn by: Signature:
 Checked by: Signature:
 Hushab Shafiz

Date: 6/7/2023 Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-31

Drawing Number: 00



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

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

DESIGNED BY: KABUL MUNICIPALITY DESIGN TEAM

PROJECT NAME: Co-Sang To Demang Road Project

DRAWING TITLE: CROSS SECTIONS

DESIGNED BY: Mohammad Eisa Sira

DRAWN BY: Mohammad Eisa Sira

CHECKED BY: Hashim Shahzad

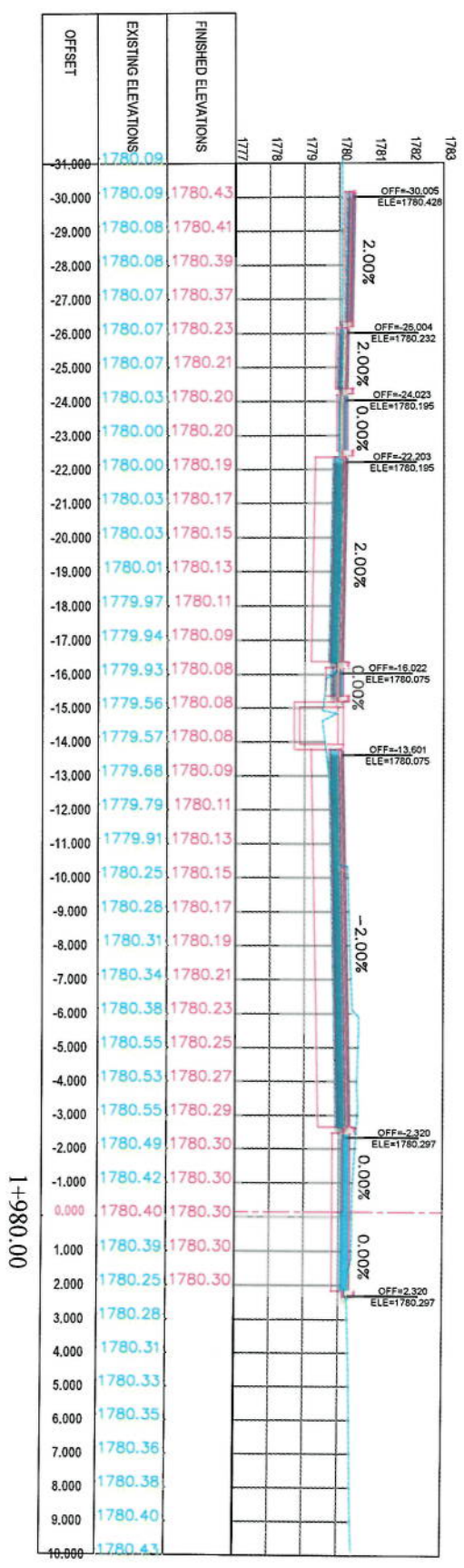
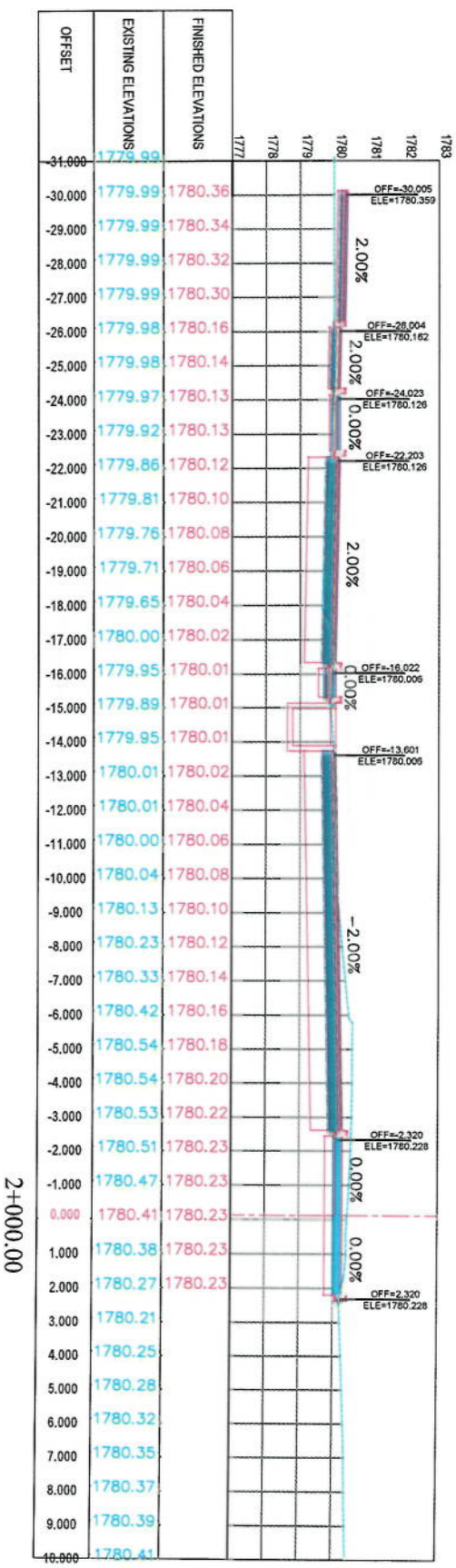
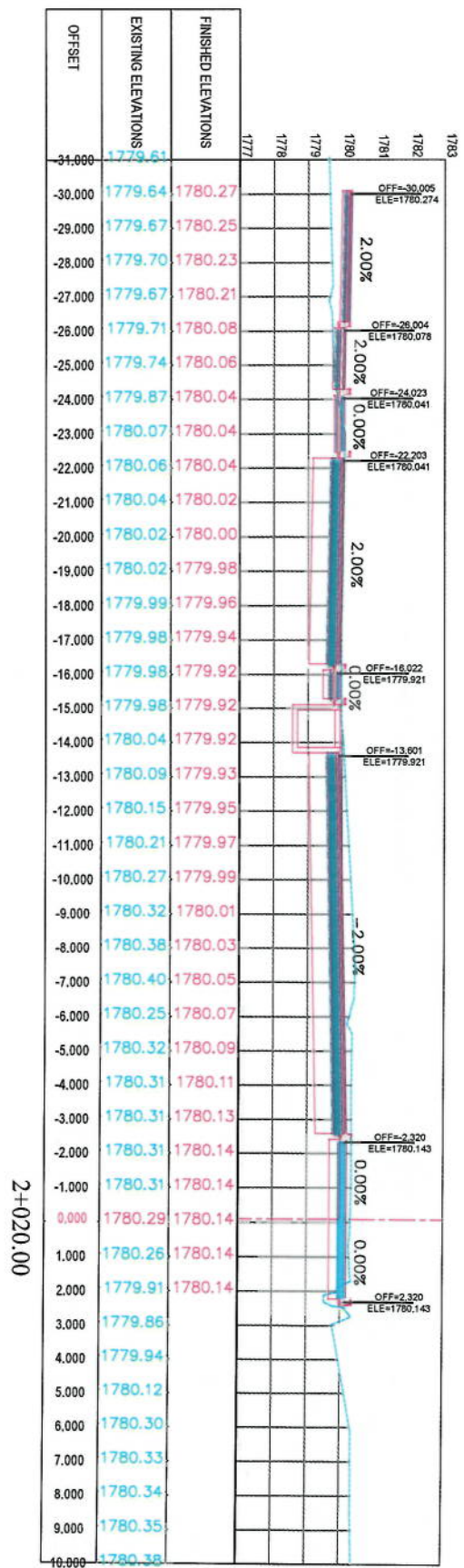
DATE: 6/7/2023

SCALE: 1:200

STATUS: FINAL DESIGN

PROJECT CODE: CS-33

DRAWING NUMBER: 00



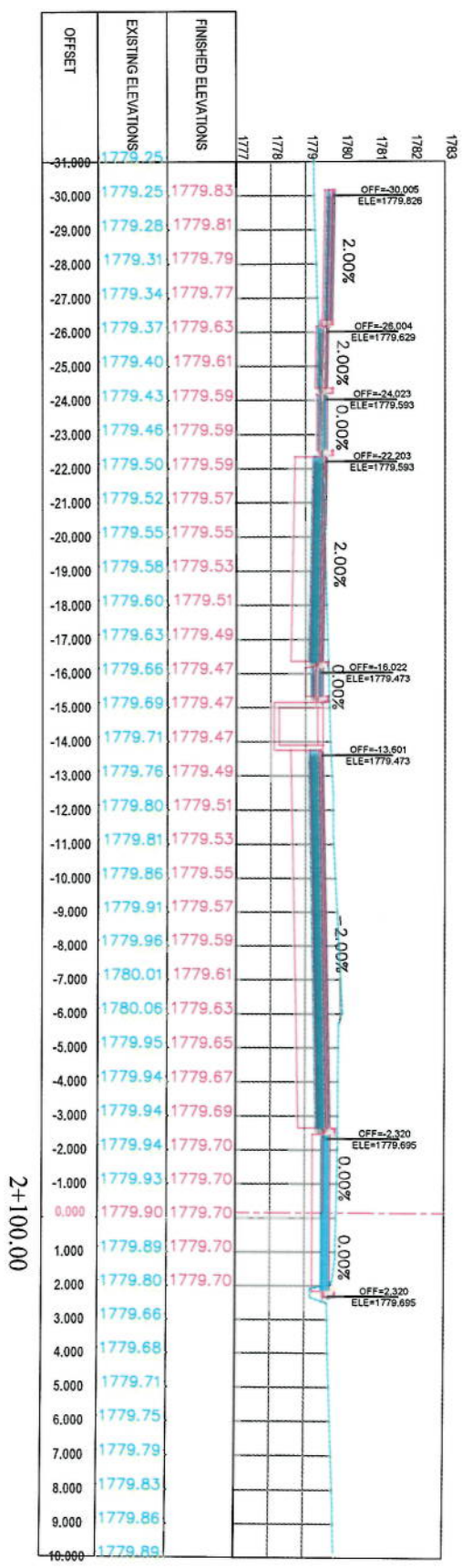
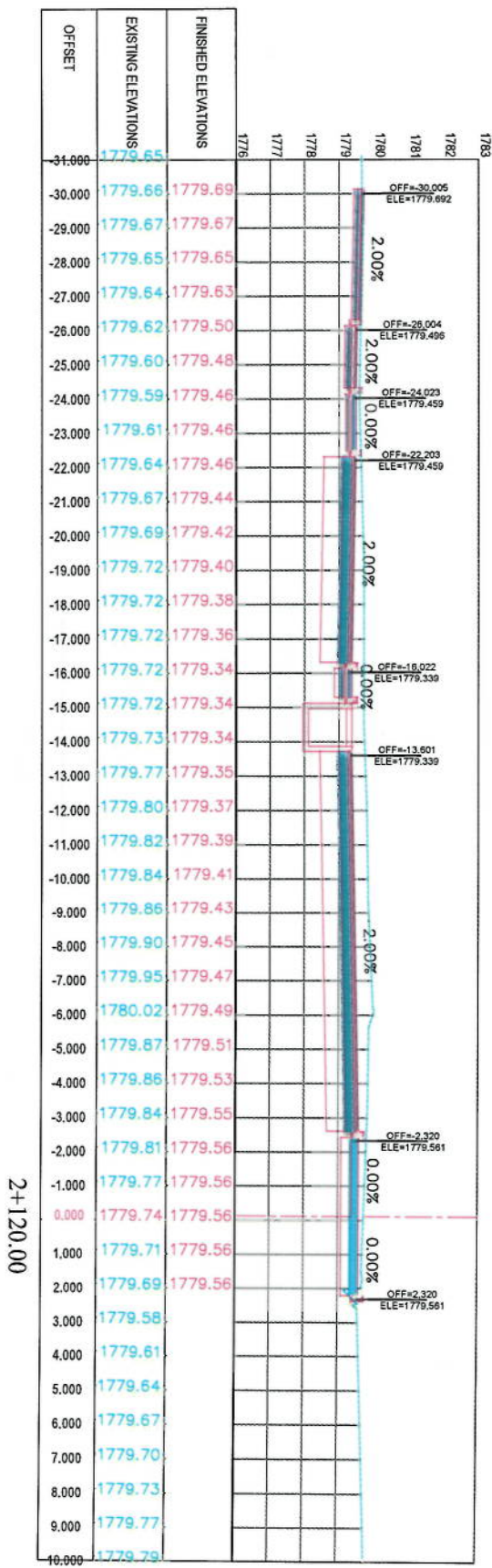
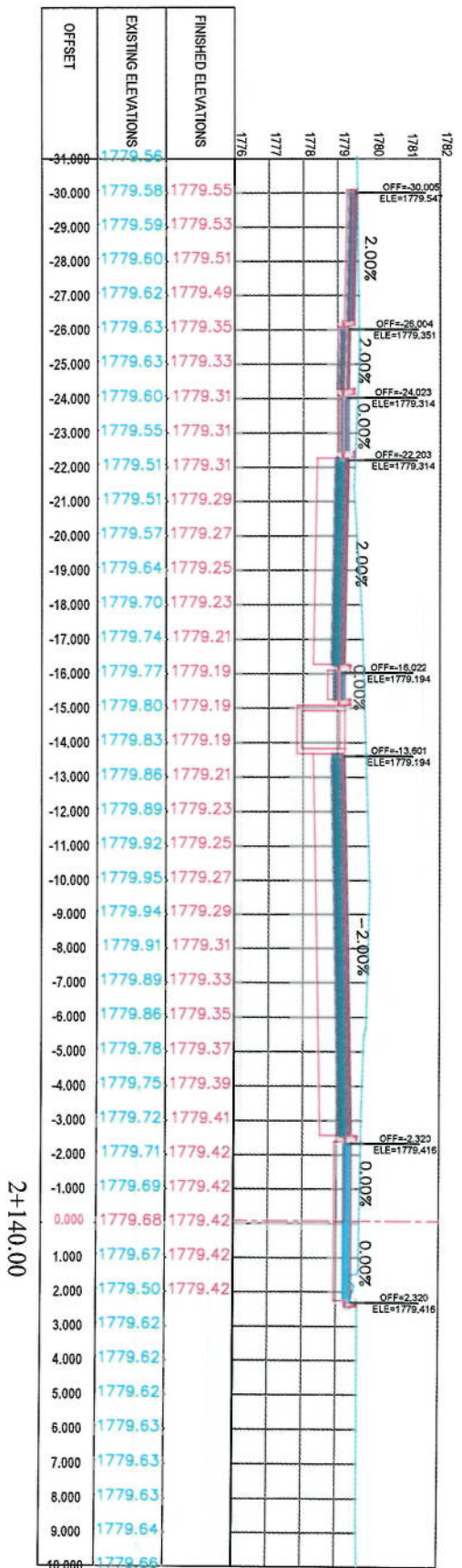
LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

NOTE

1. All dimensions are in meters unless otherwise indicated.

ISLAMIC REPUBLIC OF AFGHANISTAN KABUL MUNICIPALITY	
Client: KABUL MUNICIPALITY	Designed by: KABUL MUNICIPALITY DESIGN TEAM
Project Name: Gae-Sang To Demnang Road Project	Drawing Title: CROSS SECTIONS
Date: 6/7/2023	Scale: 1:200
Status: FINAL DESIGN	Project Code: CS-34
Drawing Number: 00	Revision: 00



Client: ISLAMIC EMIRATE OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Core-Segment To Demamang Road project

Drawing Title: CROSS SECTIONS

Designed by: Signature:

Drawn by: Signature:

Checked by: Signature:

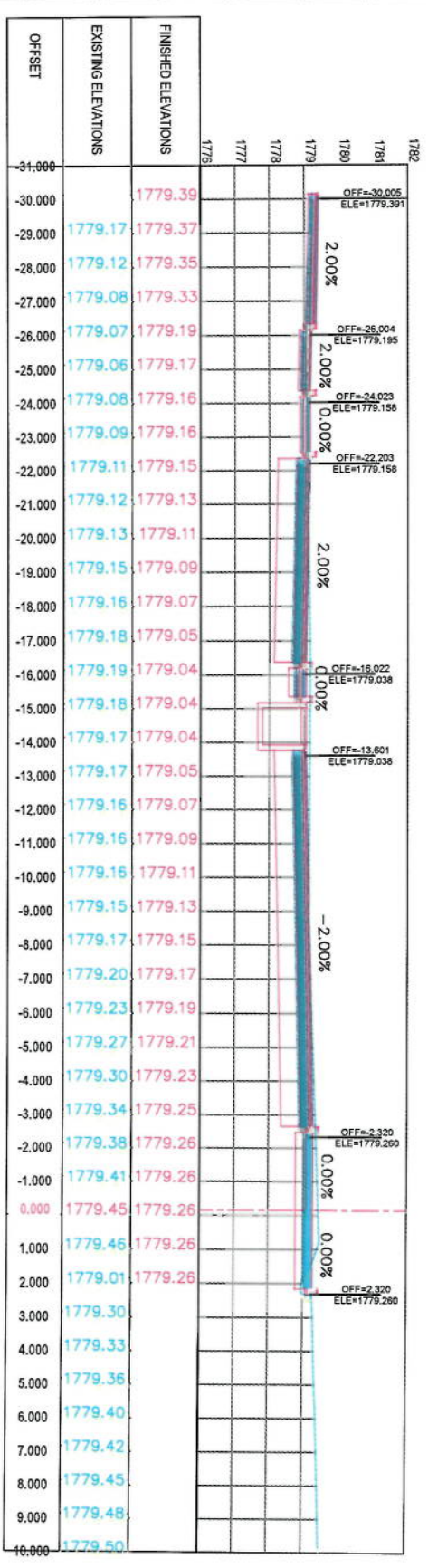
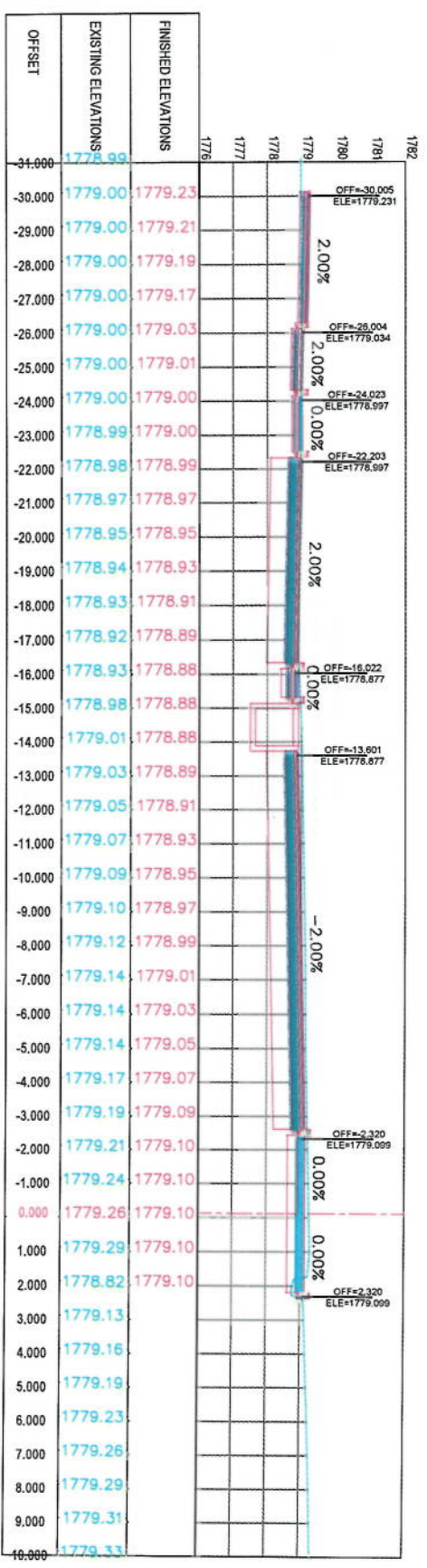
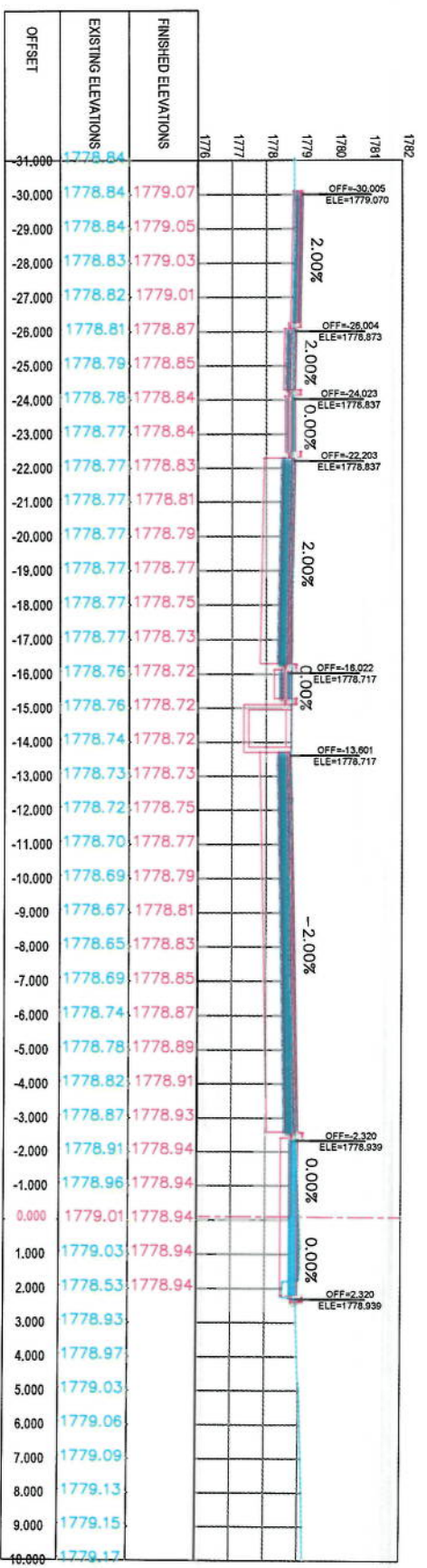
Date: 6/7/2023

Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-36

Drawing Number: 00



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

LEGENDS
 --- CENTER-LINE
 --- EXISTING SURFACE
 --- EXISTING SIDE DITCH

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Coe-Singh To Damanang Road Project

During Title:

CROSS SECTIONS

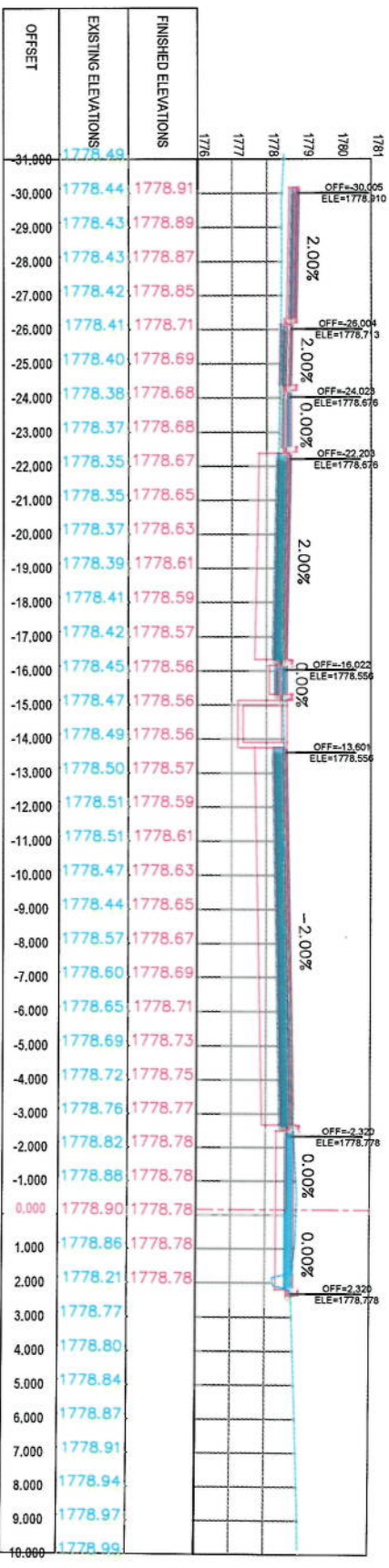
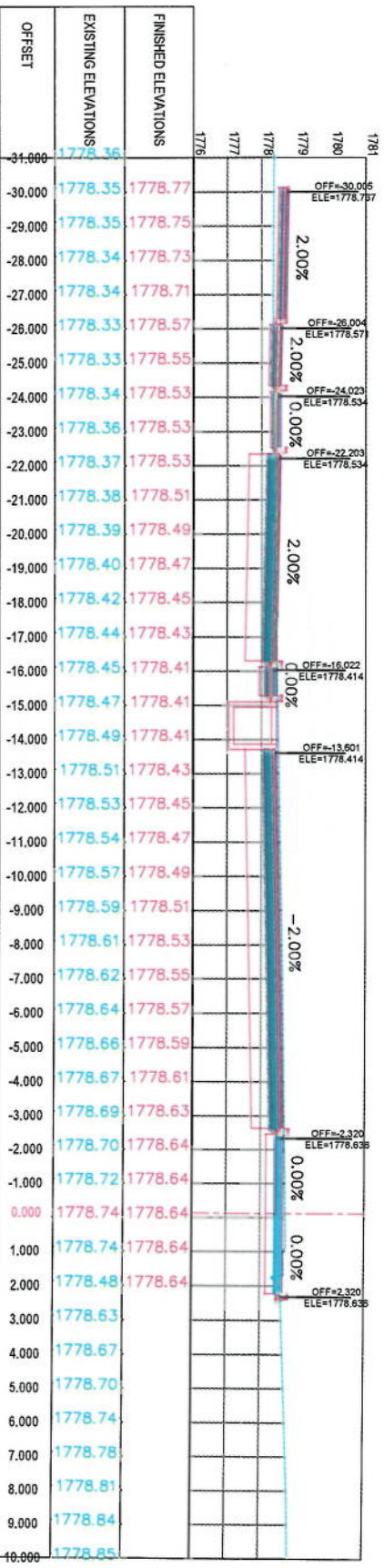
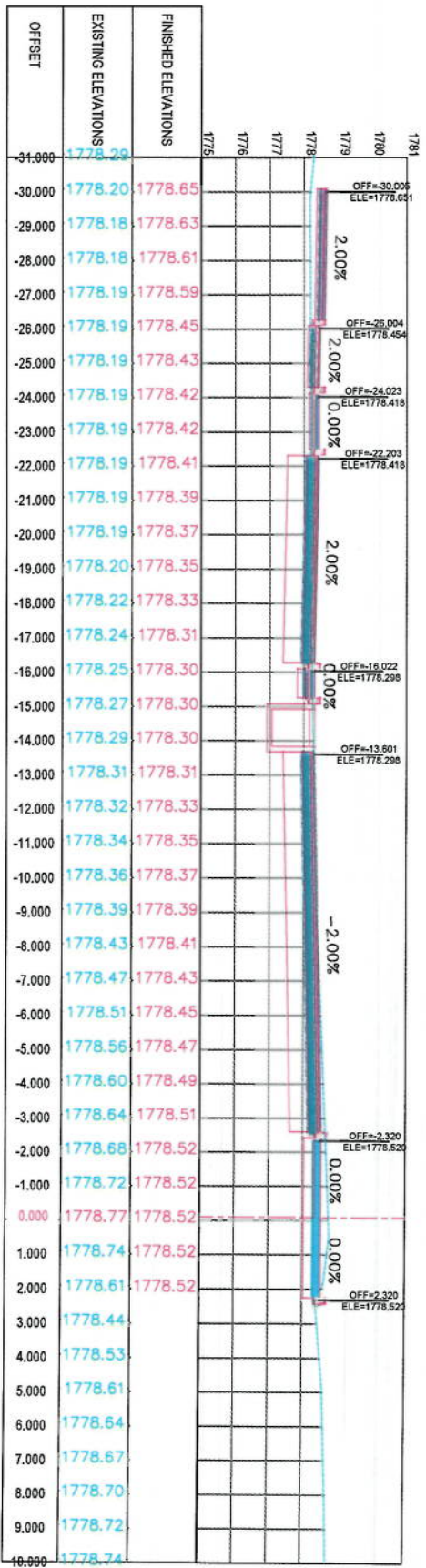
Designed by: Mohammad Hesa Sirel
Drawn by: Mohammad Hesa Sirel
Checked by: Hamidullah Shauz

Date: 6/7/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code:

Drawing Number: CS-37
Revision: 00



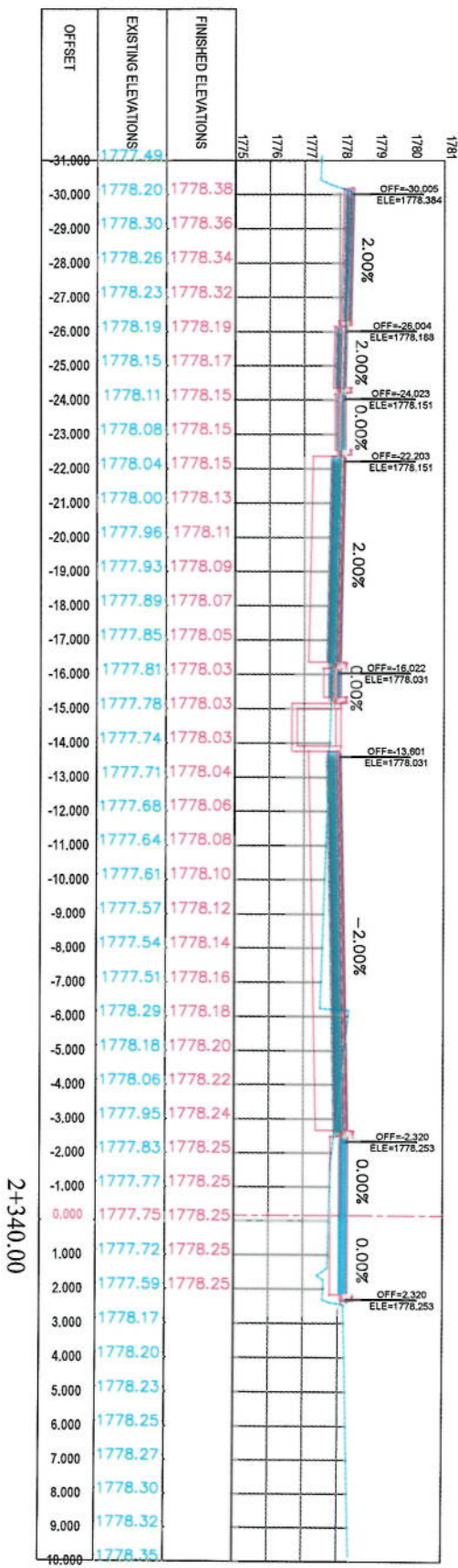
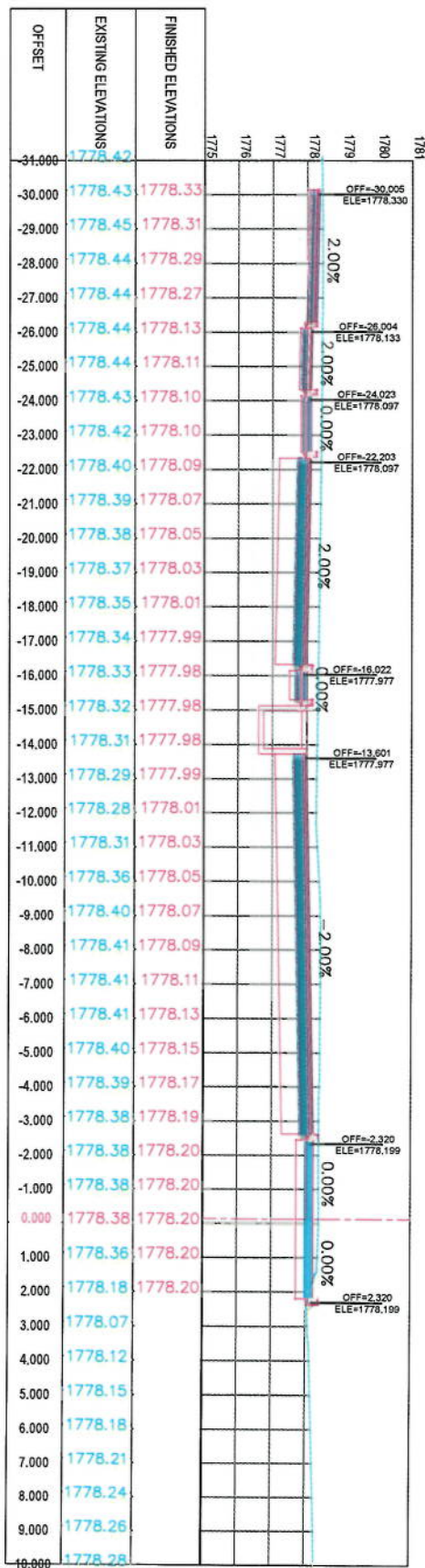
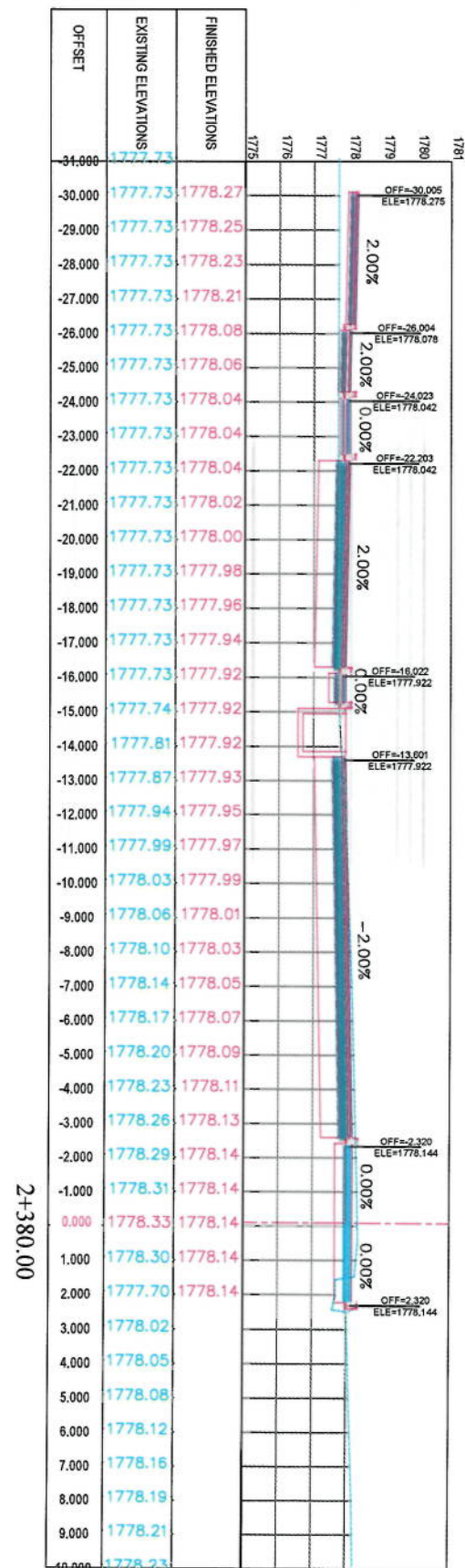
LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

1. All dimensions are in meters unless otherwise indicated.

NOTE

Client:		KABUL MUNICIPALITY	
Designed by:		KABUL MUNICIPALITY DESIGN TEAM	
Project Name:		City-Side To Deming Road Project	
Drawing Title:		CROSS SECTIONS	
Designed by:	Signature:	Drawn by:	Signature:
Checked by:	Signature:	Drawn by:	Signature:
Date:	6/7/2023	Scale:	1:200
Status:	FINAL DESIGN	Project Code:	CS-38
Drawing Number:	00	Revision:	00



NOTE:

1. All elevations are in meters unless otherwise indicated

LEGENDS

— CENTER LINE

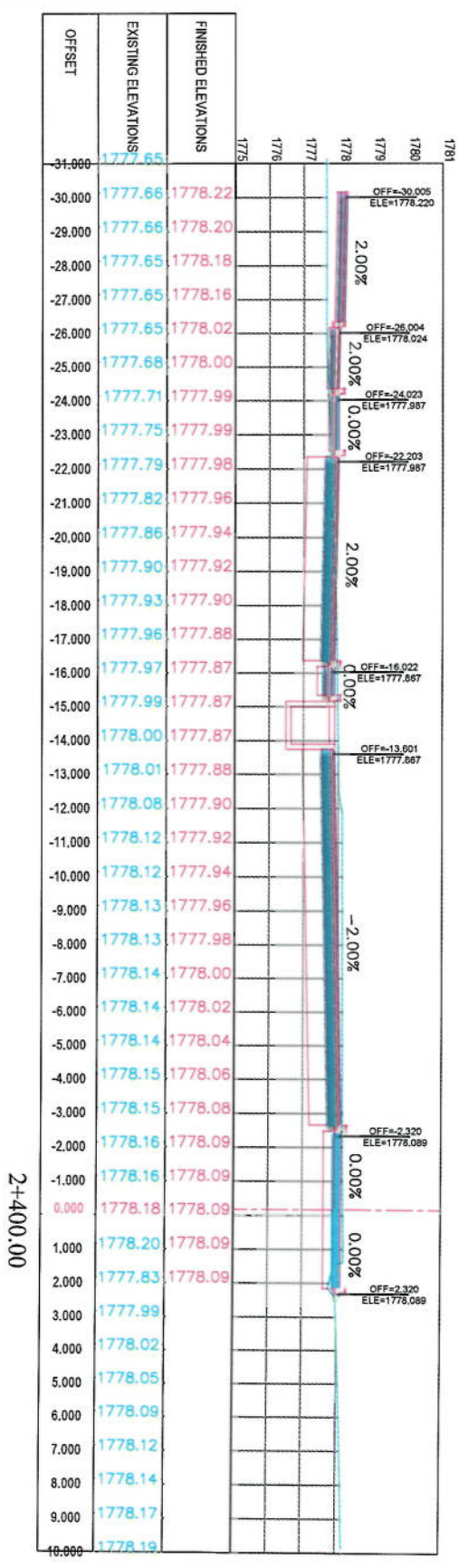
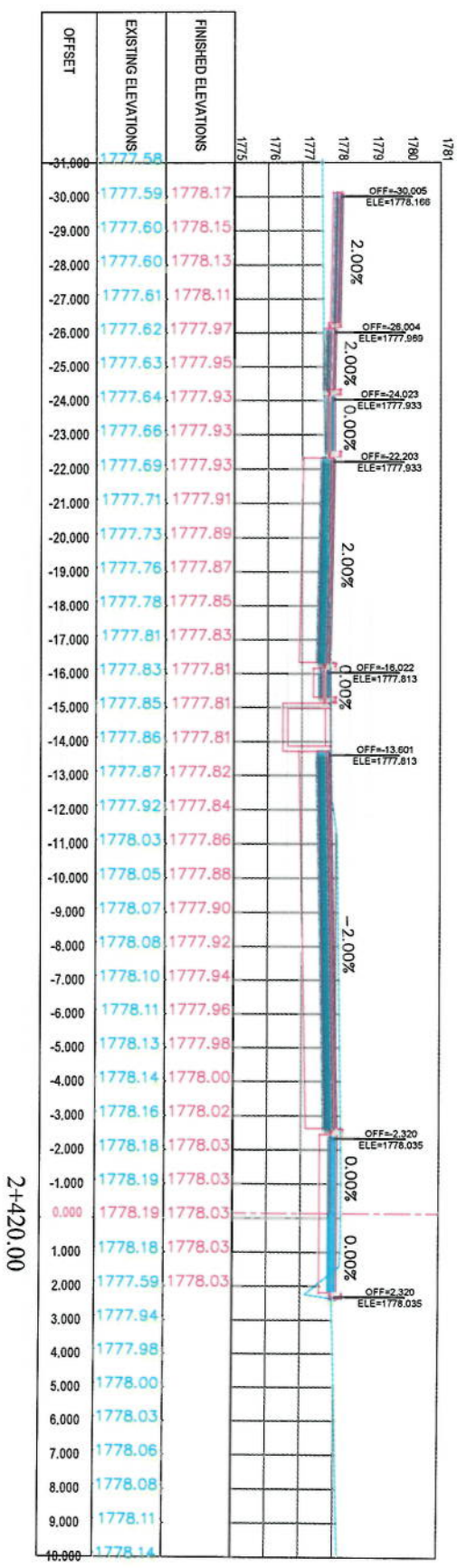
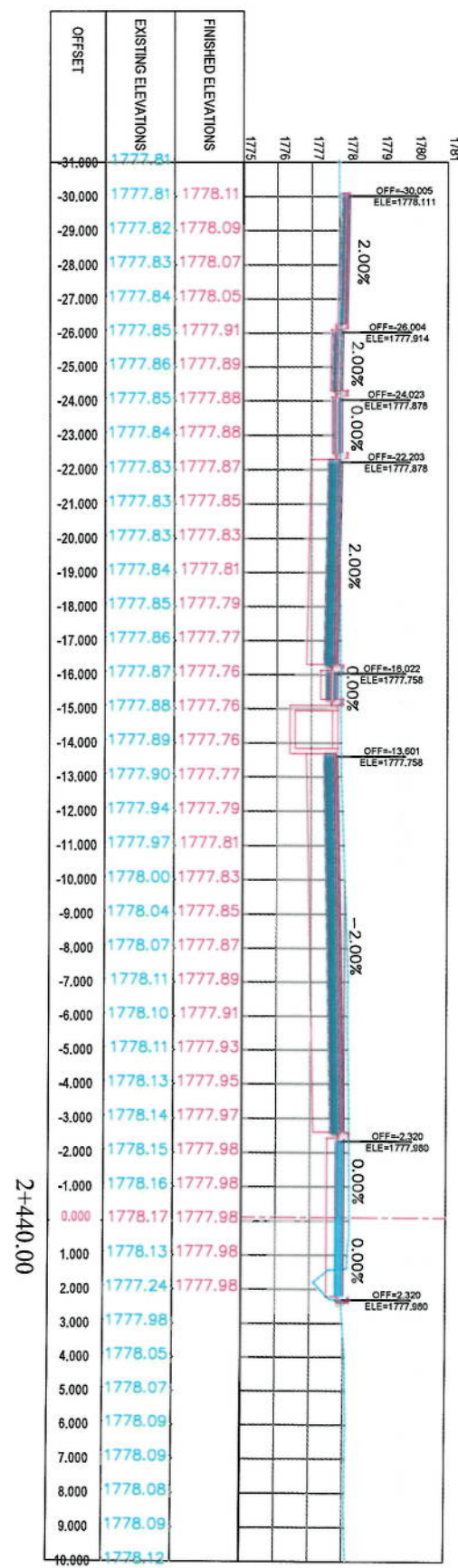
— EXISTING SURFACE

— EXISTING SIDE DITCH



Client:	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	Cat-Sargi To Demazang Road project
Drawing Title:	CROSS SECTIONS
Scale:	1:200
Date:	6/7/2023
Station:	FINAL DESIGN
Project Code:	CS-40
Drawing Number:	00

Designed by:	Mohamed Idris Sial
Drawn by:	Mohamed Idris Sial
Checked by:	Hasnallah Shalizi
Signature:	
Signature:	
Signature:	



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

LEGENDS
 --- CENTERLINE
 --- EXISTING SURFACE
 --- EXISTING SIDE DITCH



Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Circumferential Road Project

Drawn by:
Muhammad Iqbal Sarf

Checked by:
Hassanullah Shalizi

Signature:
[Signature]

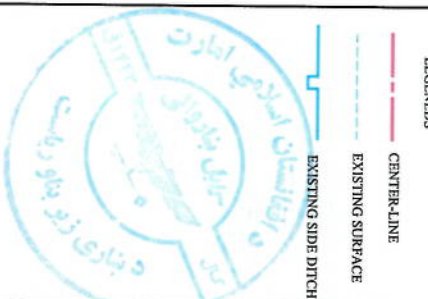
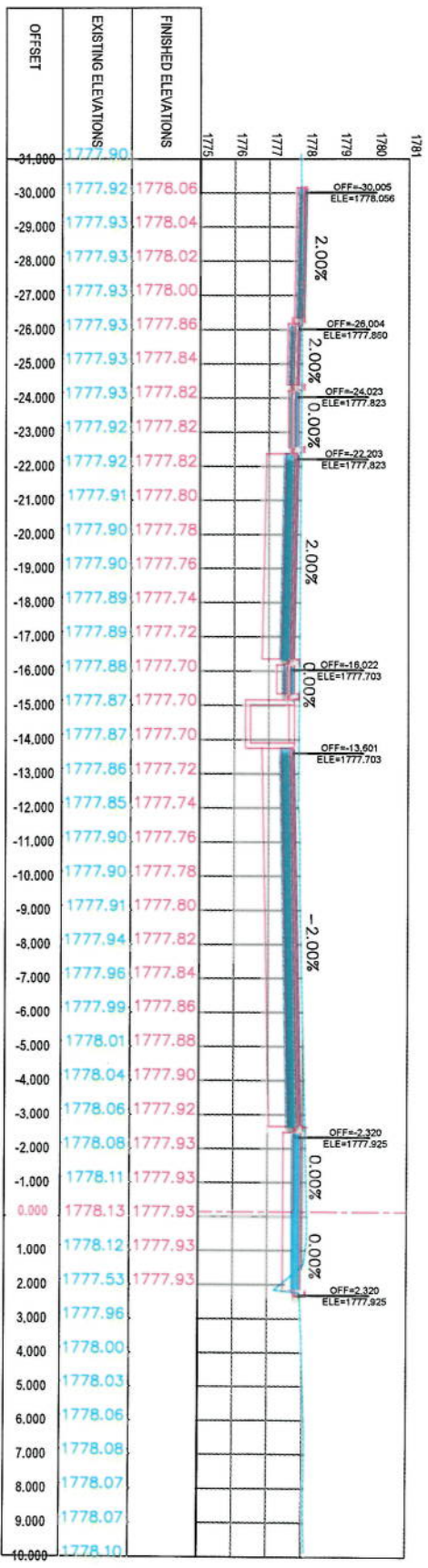
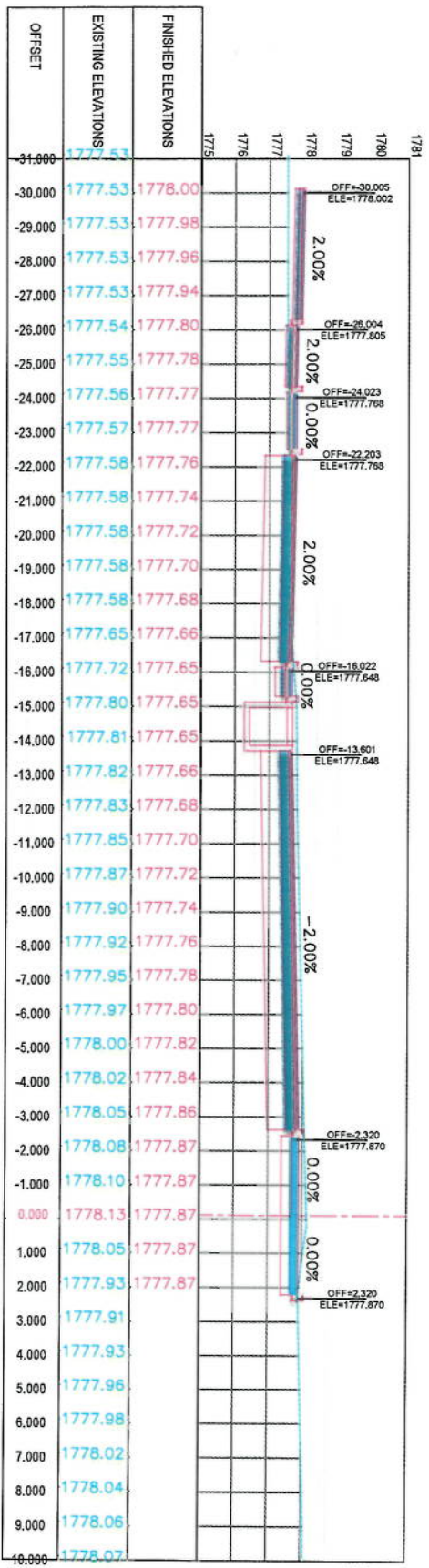
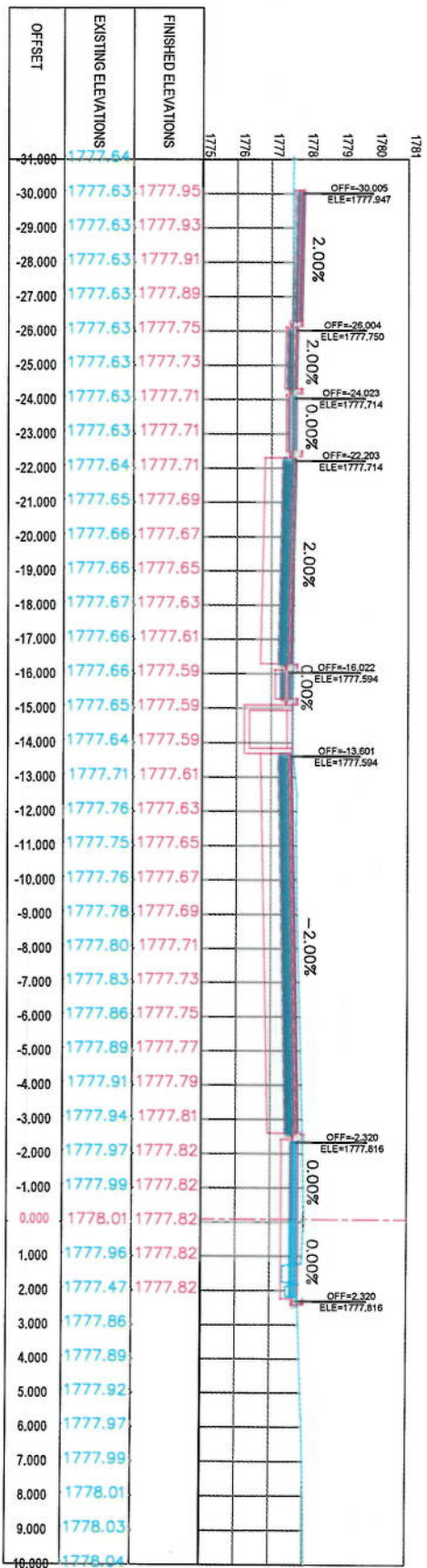
Date:
6/7/2023

Status:
FINAL DESIGN

Project Code:
[Blank]

Drawing Number:
CS-41

Revision:
00



Client: ISLAMIC REPUBLIC OF AFGHANISTAN

Designed by: KABIL MUNICIPALITY DESIGN TEAM

Project Name: C-4-Sangl To Demrang Road project

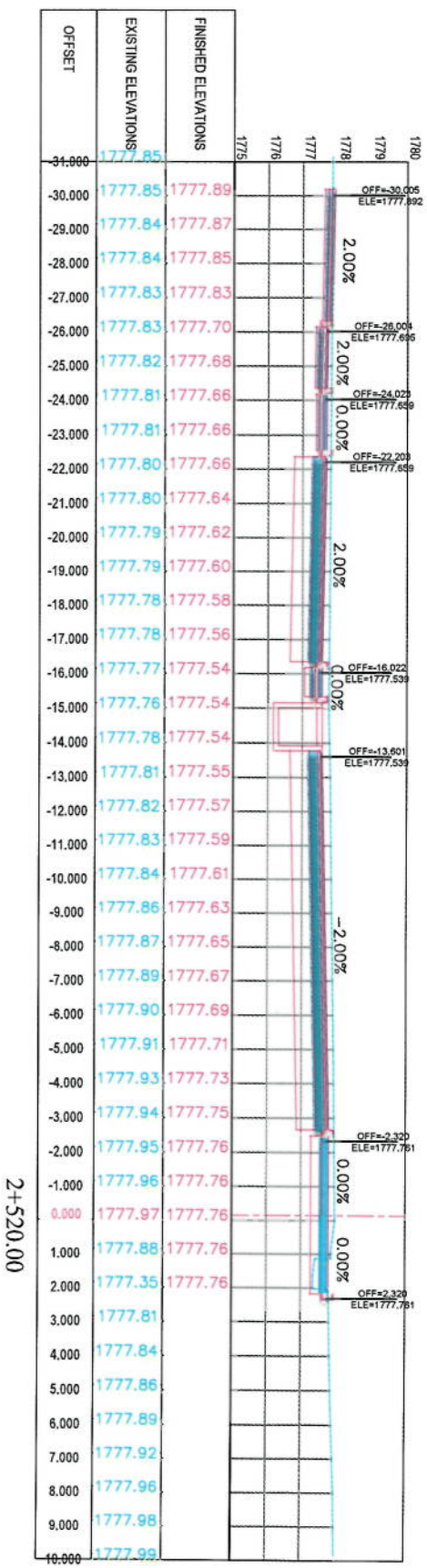
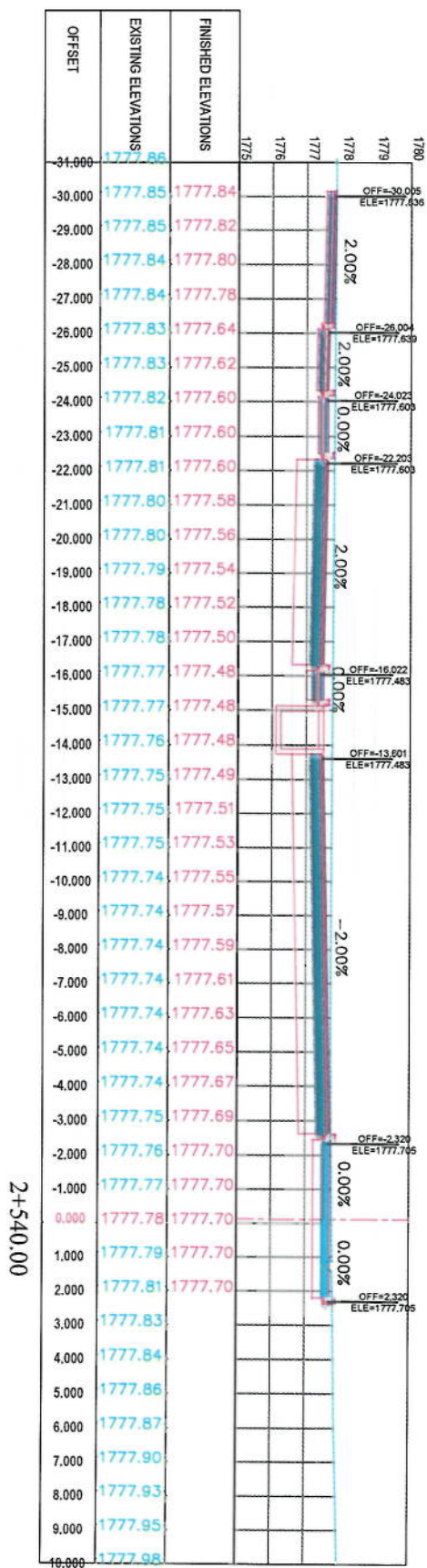
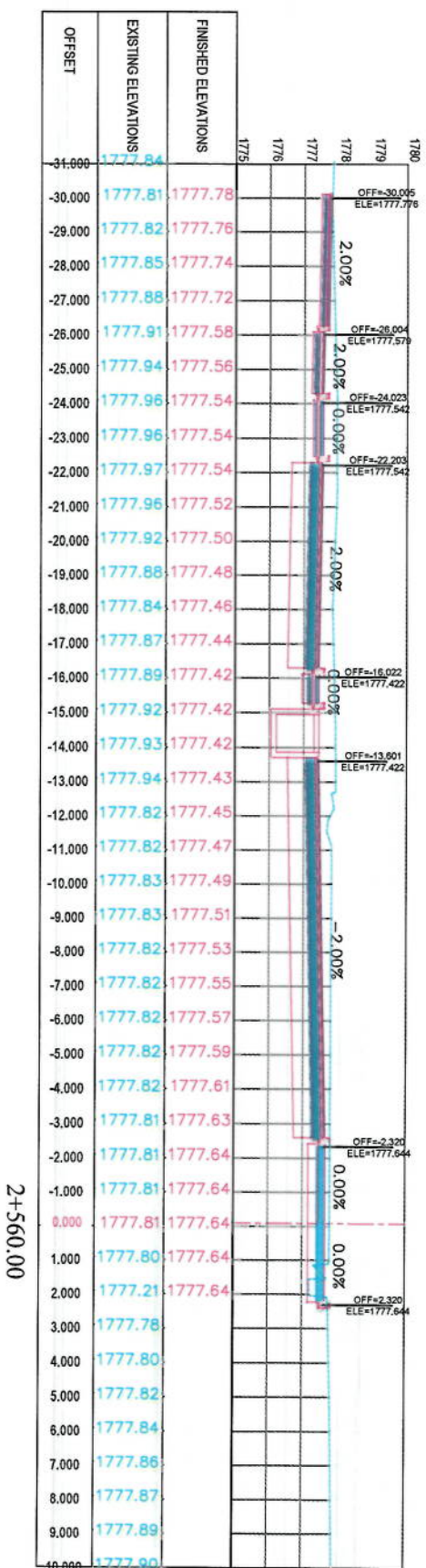
Drawing Title: CROSS SECTIONS

Designed by: Mohammad Easa Saeed
Drawn by: Mohammad Easa Saeed
Checked by: Hashidullah Shalizi

Date: 6/7/2023
Scale: 1:200

Project Code: FINAL DESIGN

Drawing Number: CS-42
Revision: 00



NOTE
1. All dimensions are in meters unless otherwise indicated

LEGENDS
— CENTER LINE
— EXISTING SURFACE
— EXISTING SIDE DITCH




Client:
ISLAMIC REPUBLIC OF AFGHANISTAN

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Café-Sangl To Demnang Road project

Drawing Title:
CROSS SECTIONS

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

Date:
6/7/2023

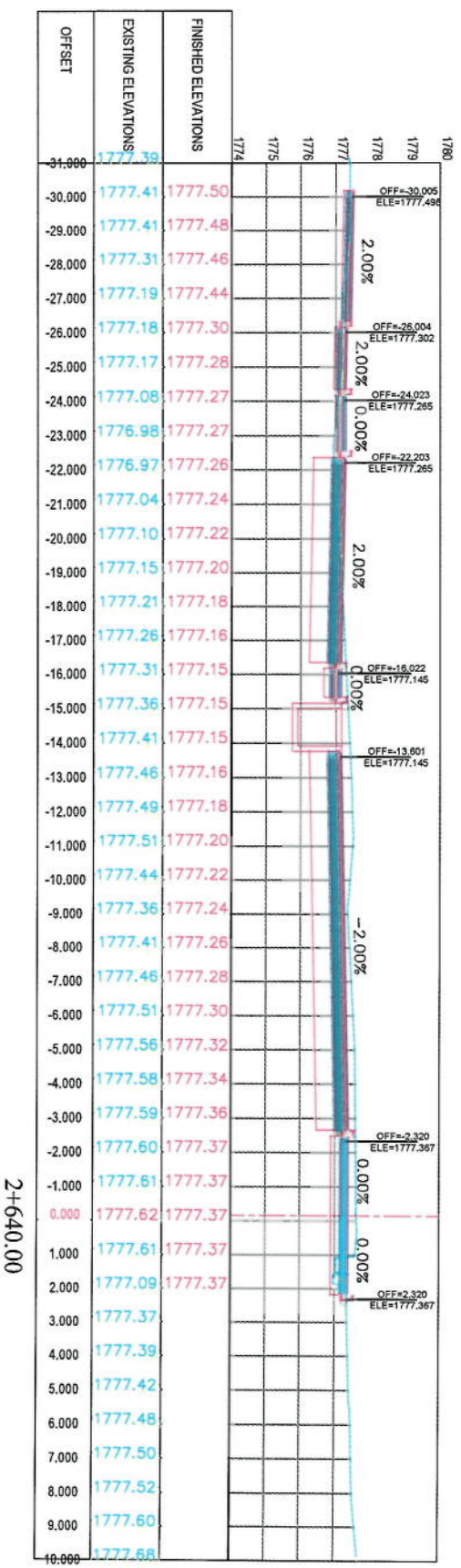
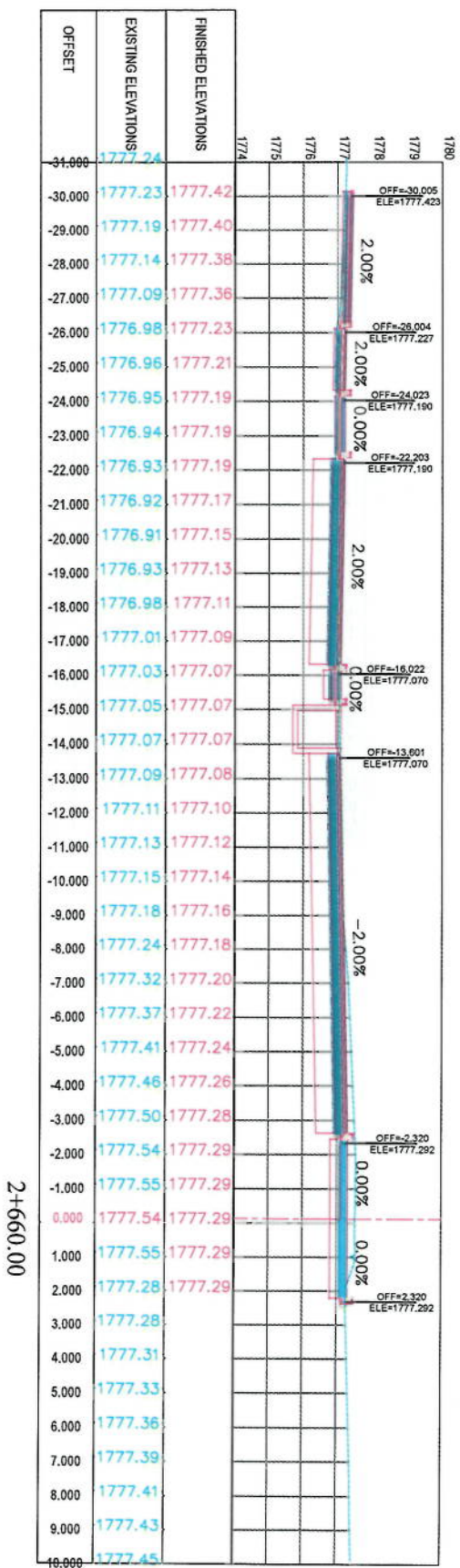
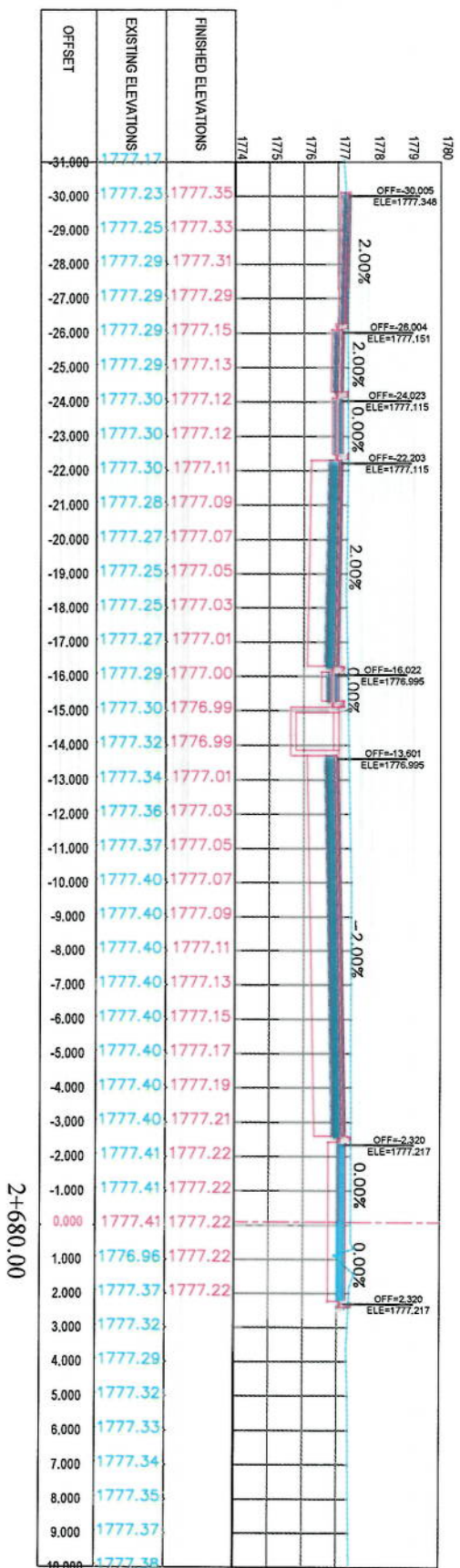
Scale:
1:200

Status:
FINAL DESIGN

Project Code:

Drawing Number:
CS-43

Revision:
00

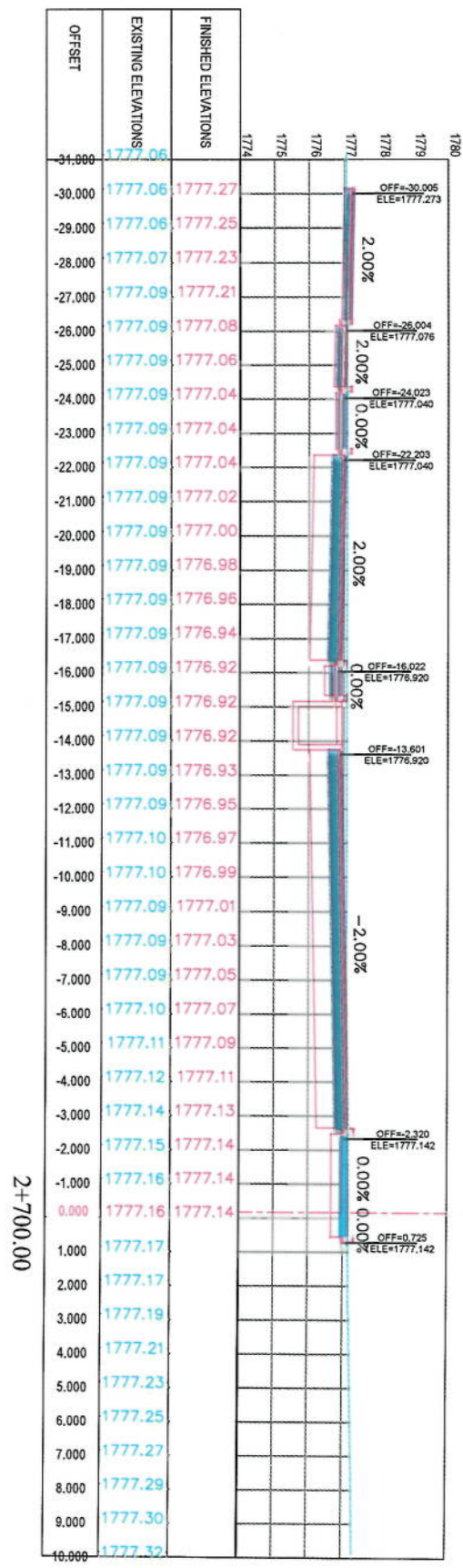
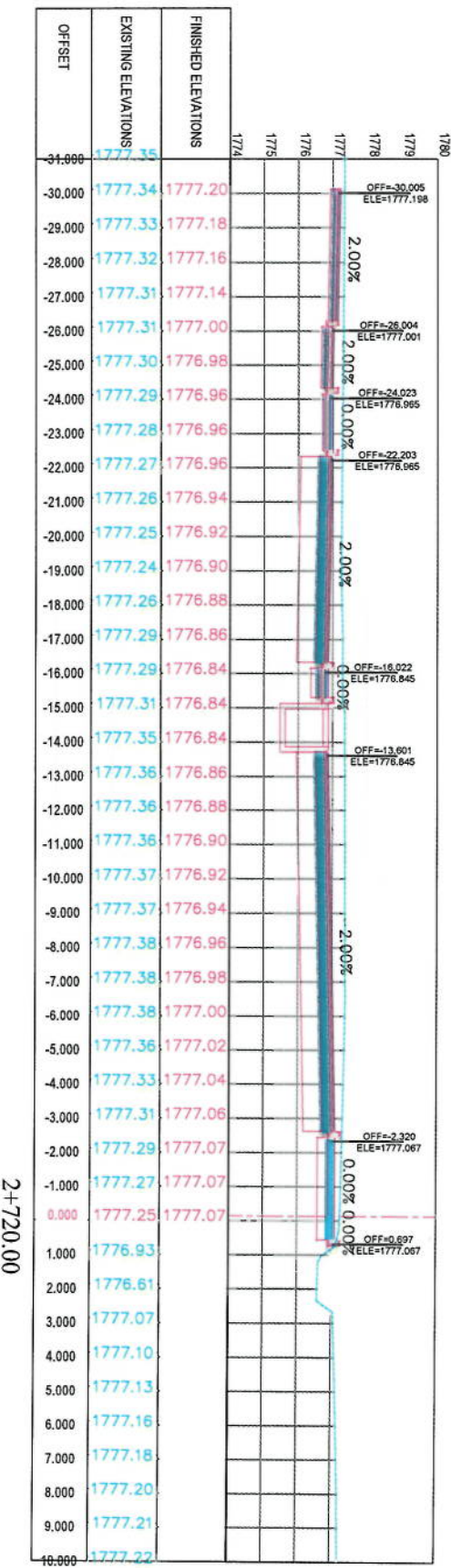
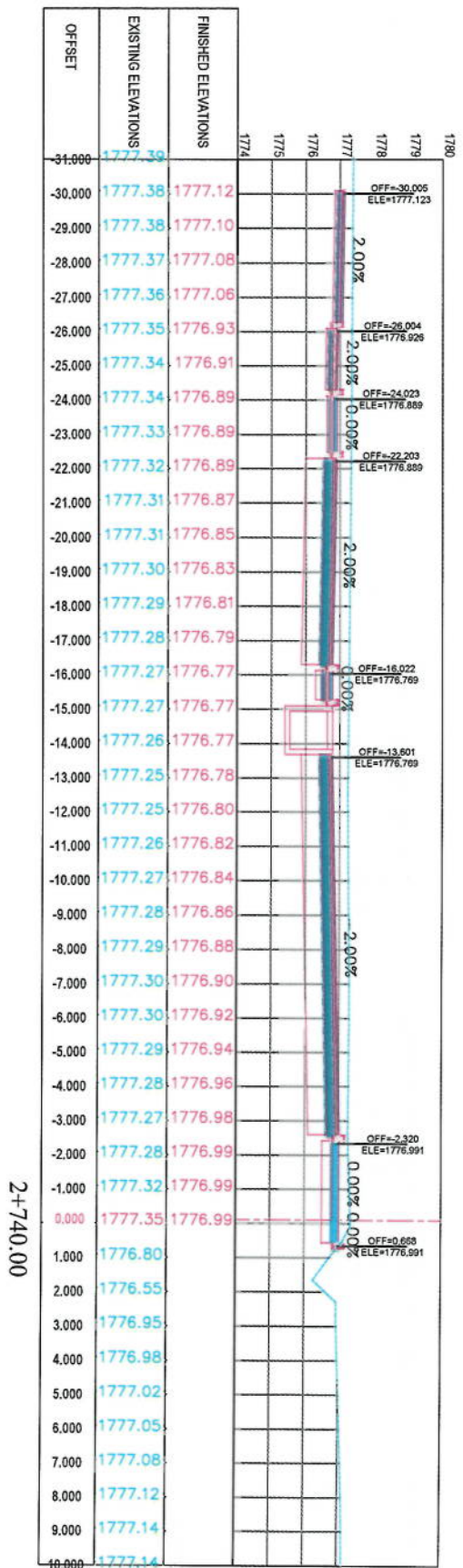


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Client	KABUL MUNICIPALITY
Designed by	KABUL MUNICIPALITY DESIGN TEAM
Project Name	Old-Sungli To Damsang Road project
Drawing Title	CROSS SECTIONS
Designed by	Mohammad Fiaz Shah
Drawn by	Mohammad Fiaz Shah
Checked by	Hasnallah Shah
Date	6/7/2023
Scale	1:200
Status	FINAL DESIGN
Drawing Number	CS-45
Revision	00



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

- LEGENDS
- CENTER LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



Client:
ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Cae-Sang To Demnang
Road Project

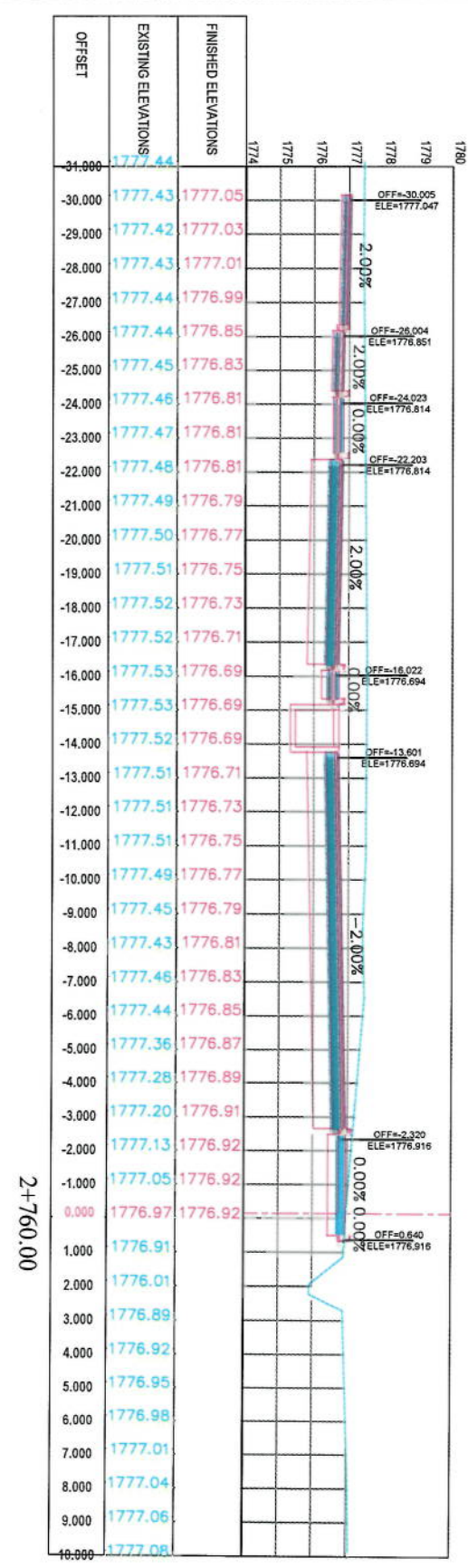
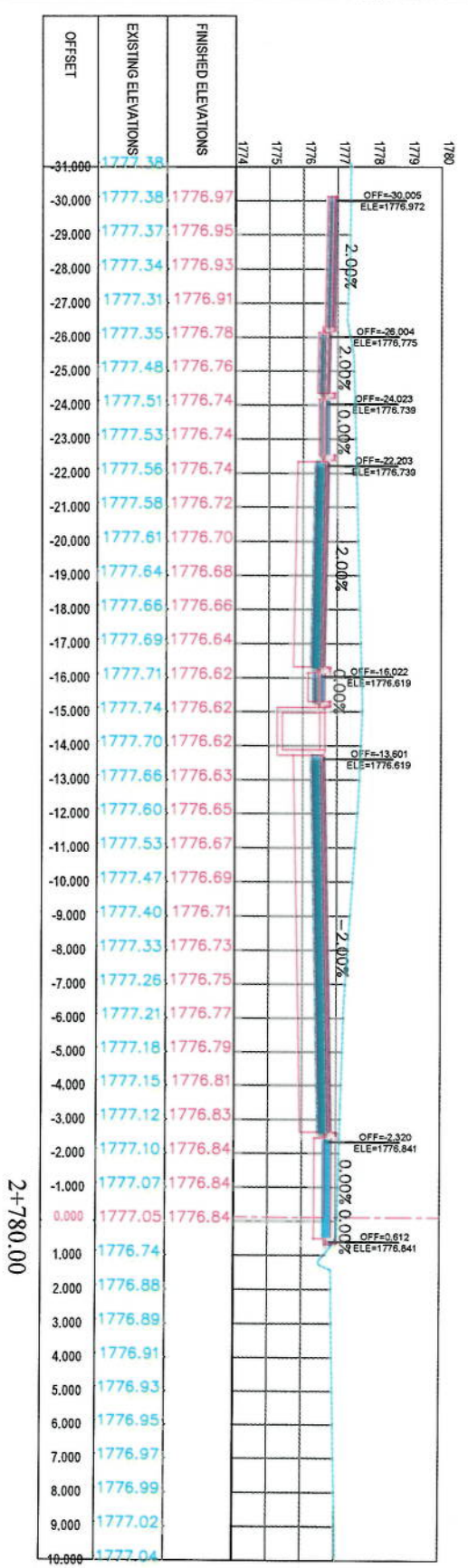
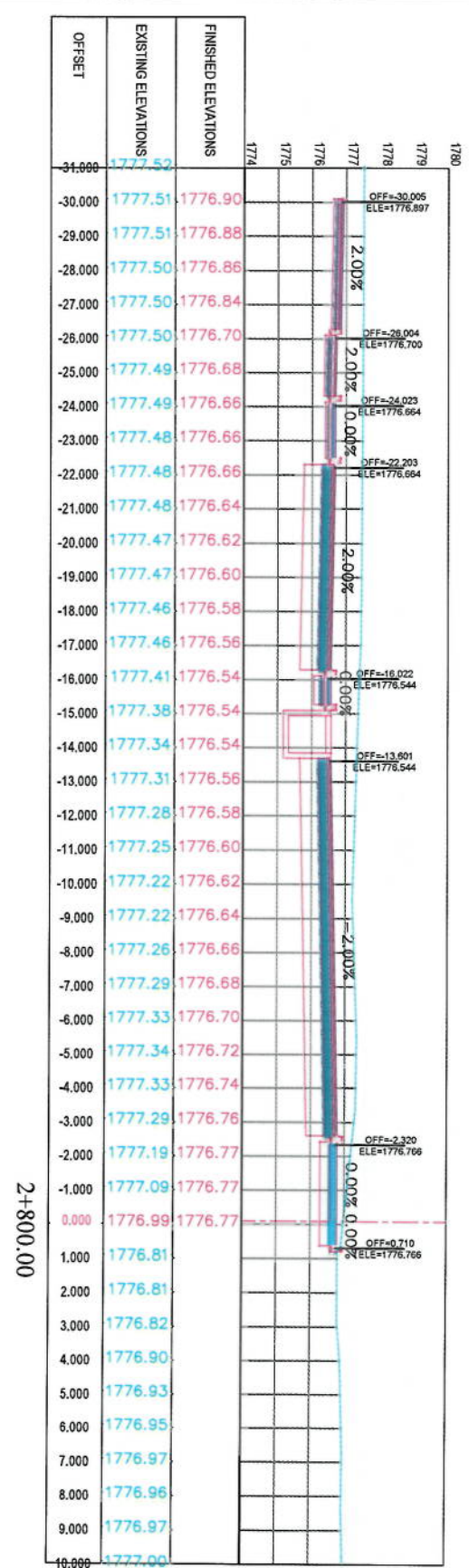
Drawing Title:
CROSS SECTIONS

Designed by:
Mohammad Eisa Saeed
Drawn by:
Mohammad Eisa Saeed
Checked by:
Hassanullah Shariq

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

Drawing Number:
CS-46
Revision:
00



NOTE
1. All dimensions are in meters unless otherwise indicated

LEGENDS
— CENTER-LINE
--- EXISTING SURFACE
--- EXISTING SIDE DITCH



Client
ISLAMIC REPUBLIC OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by
KABUL MUNICIPALITY
DESIGN TEAM

Project Name
C/O-Sangli To Demnang
Road project

Drawing Title
CROSS SECTIONS

Designed by: Signature
Drawn by: Signature
Checked by: Signature
Husheida Station

Date
6/7/2023

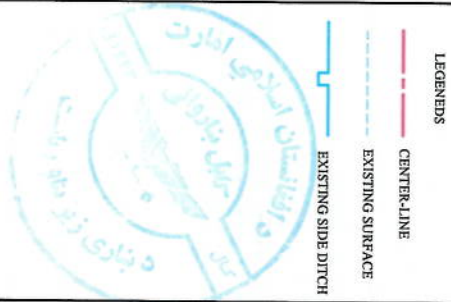
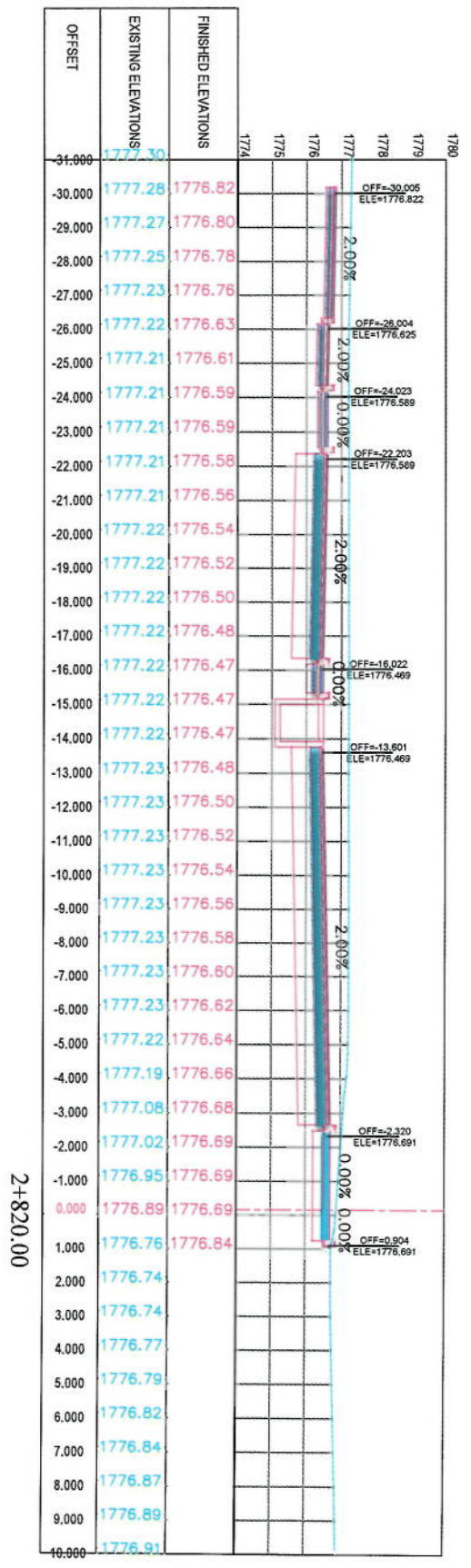
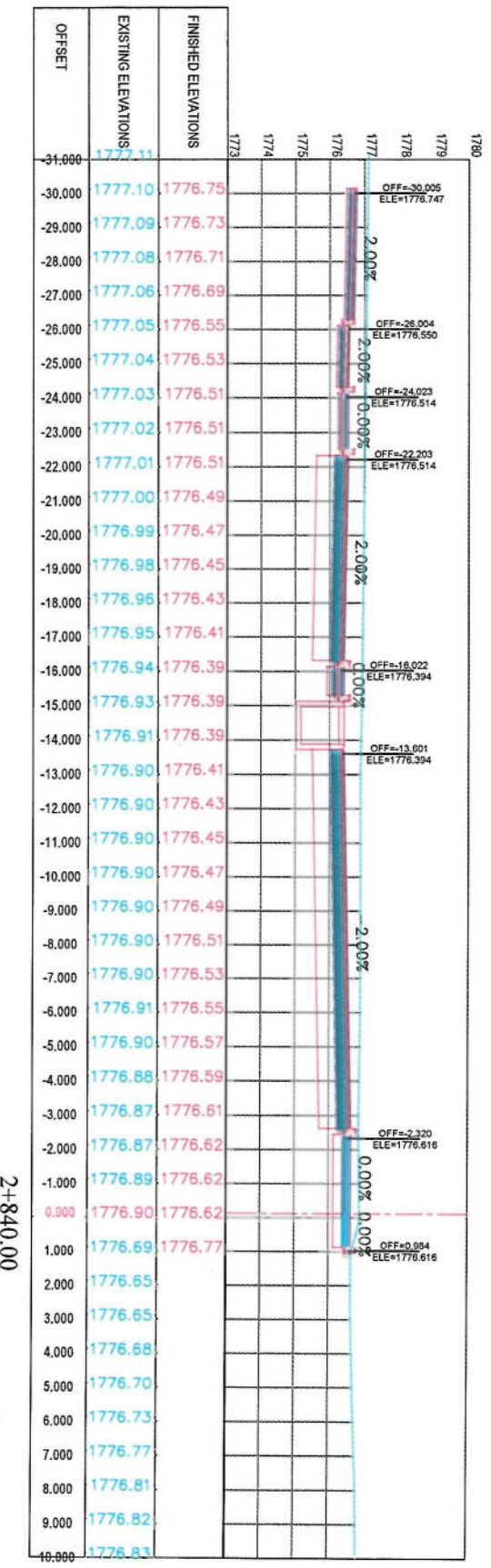
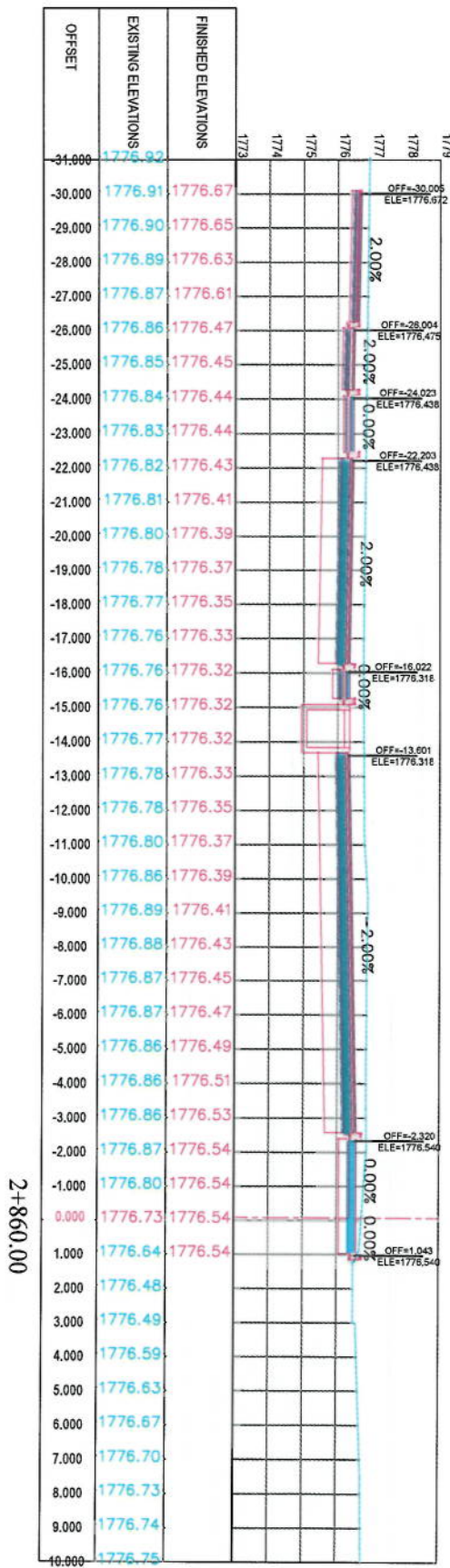
Scale
1:200

Status
FINAL DESIGN

Project Code

Drawing Number
CS-47

Revision
00



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

LEGENDS

- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Client: KABIL MUNICIPALITY

Designed by: KABIL MUNICIPALITY DESIGN TEAM

Project Name: Car-Sung To Demnang Road Project

Drawing Title: CROSS SECTIONS

Designed by: Signature: _____

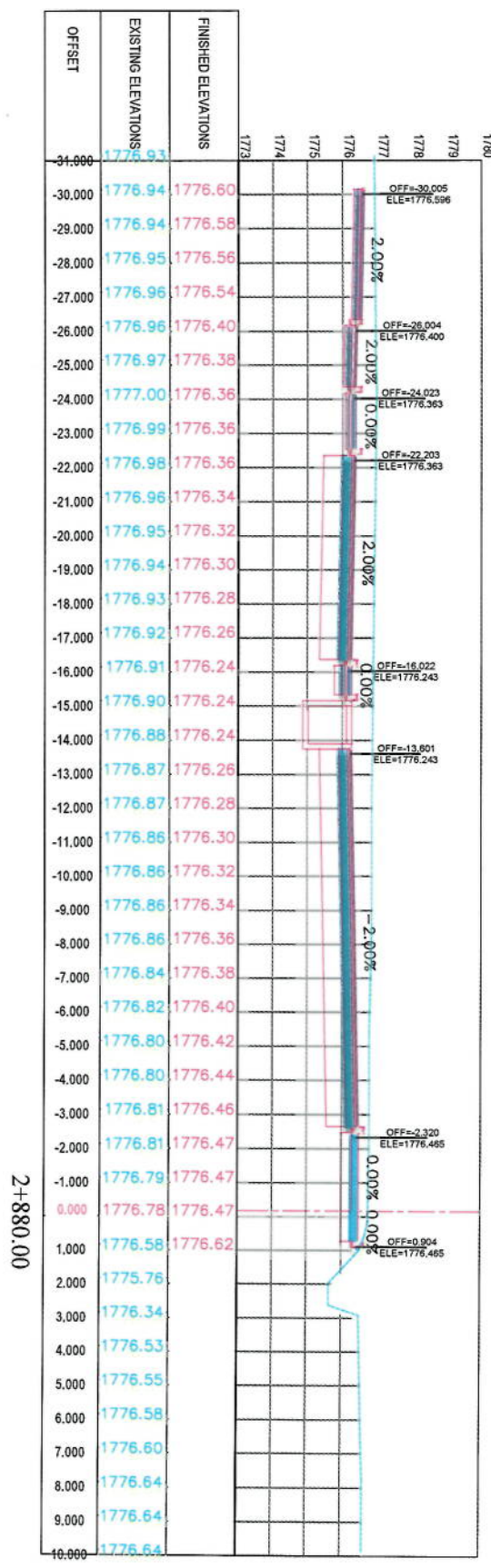
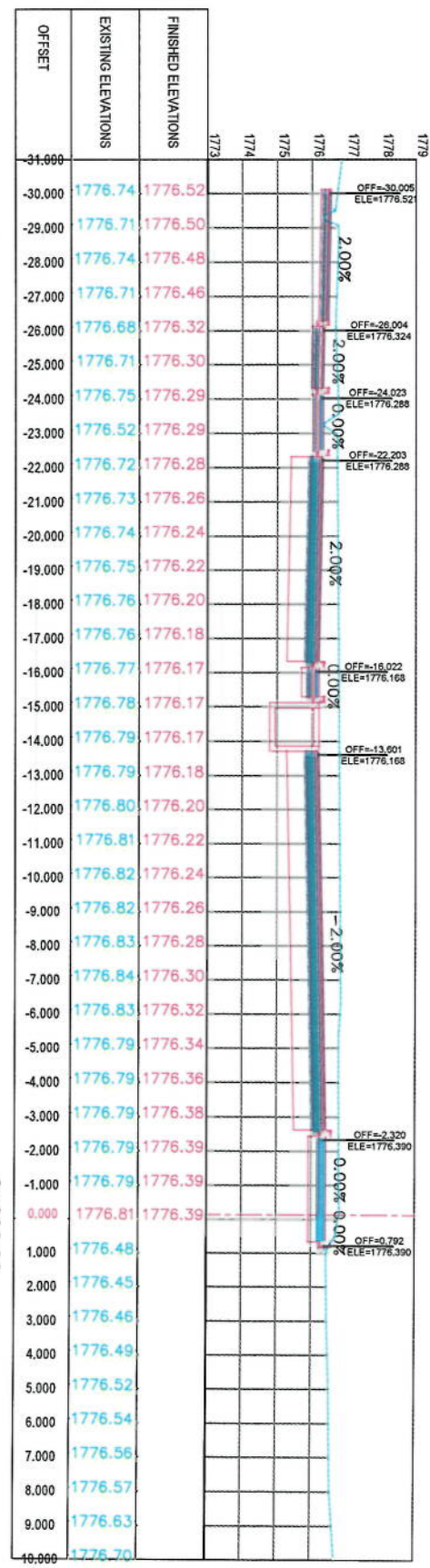
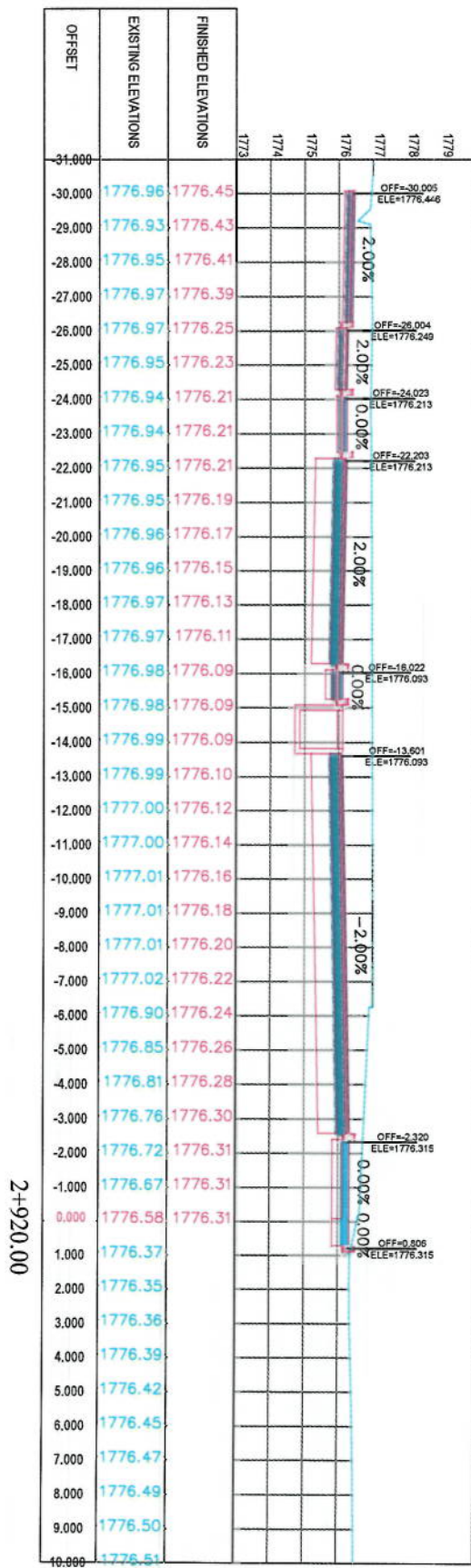
Drawn by: Signature: _____

Checked by: Signature: _____

Date: 6/7/2023 **Scale:** 1:200

Status: FINAL DESIGN

Project Code: CS-48 **Revision:** 00



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

- LEGENDS
- CENTERLINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



ISLAMIC REPUBLIC OF AFGHANISTAN	
Client	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	Car-Sung To Demrang Road Project
Drawing Title:	
Designed by:	Mohammad Eisa Saei
Drawn by:	Mohammad Eisa Saei
Checked by:	Hassanullah Shariq
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	
Drawing Number:	CS-49
Revision:	00

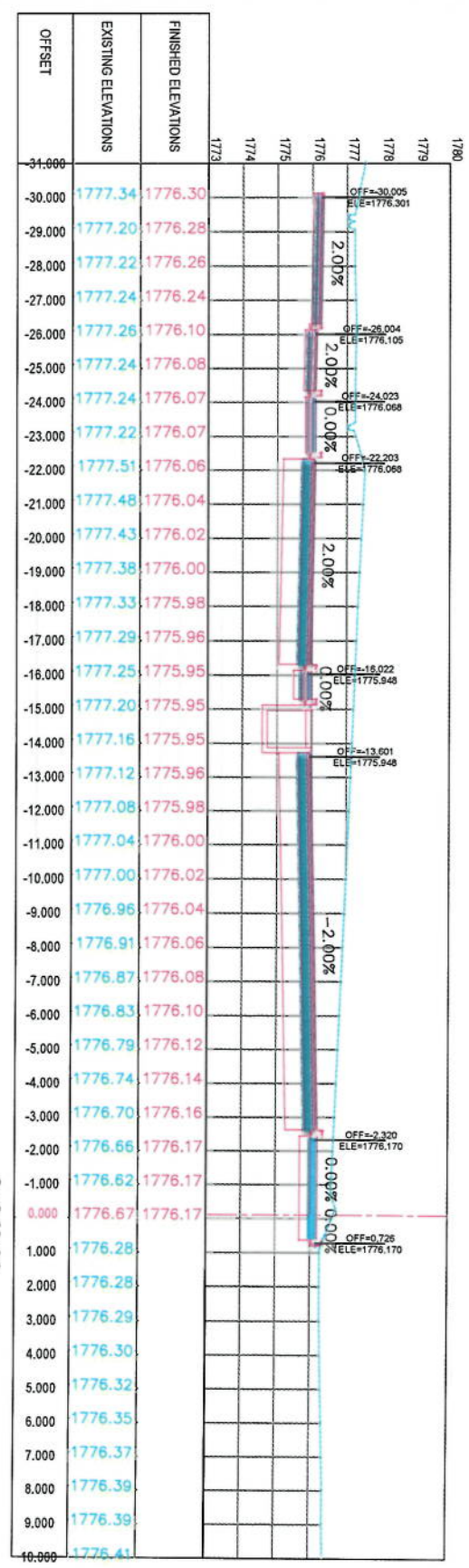
CROSS SECTIONS	
Designed by:	Mohammad Eisa Saei
Drawn by:	Mohammad Eisa Saei
Checked by:	Hassanullah Shariq
Date:	6/7/2023
Scale:	1:200
Status:	FINAL DESIGN
Project Code:	
Drawing Number:	CS-49
Revision:	00



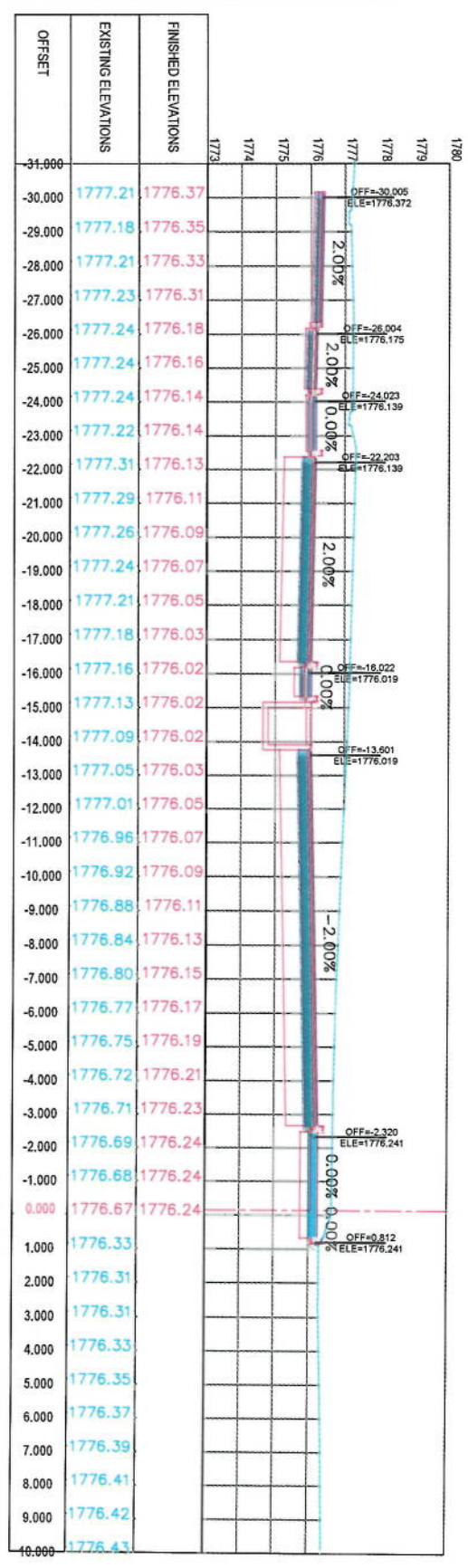
NOTE:

1. All dimensions are in meters unless otherwise indicated

- LEGENDS
- CENTER LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



2+960.00



2+940.00

Client: KABIL MUNICIPALITY

Designed by: KABIL MUNICIPALITY DESIGN TEAM

Project Name: Coe-Sang To Demazang Road Project

Drawing Title: CROSS SECTIONS

Designed by: Signature: [Signature]

Drawn by: Signature: [Signature]

Checked by: Signature: [Signature]

Date: 6/7/2023

Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-50

Drawing Number: 00

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

- LEGENDS
- CENTERLINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
C/A-Sang' To Demazang
Road project

Drawing Title

CROSS SECTIONS

Designed by:
Mohammad Eisa Sidiq

Signature:

Drawn by:
Mohammad Eisa Sidiq

Signature:

Checked by:
Habibullah Shalizi

Signature:

Date:
6/7/2023

Scale:
1:200

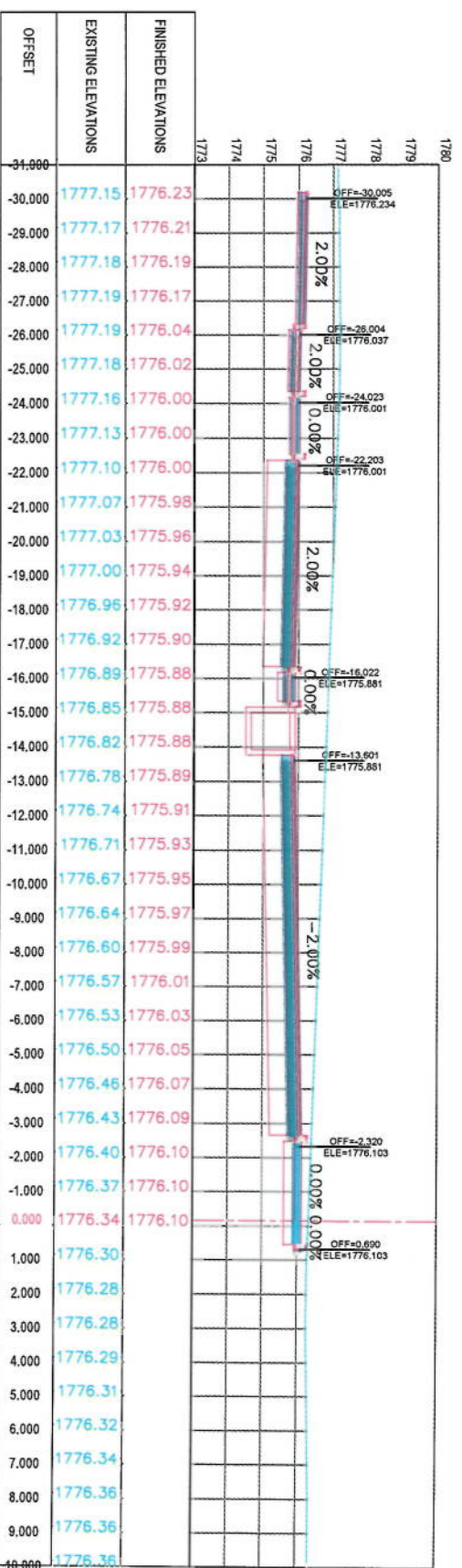
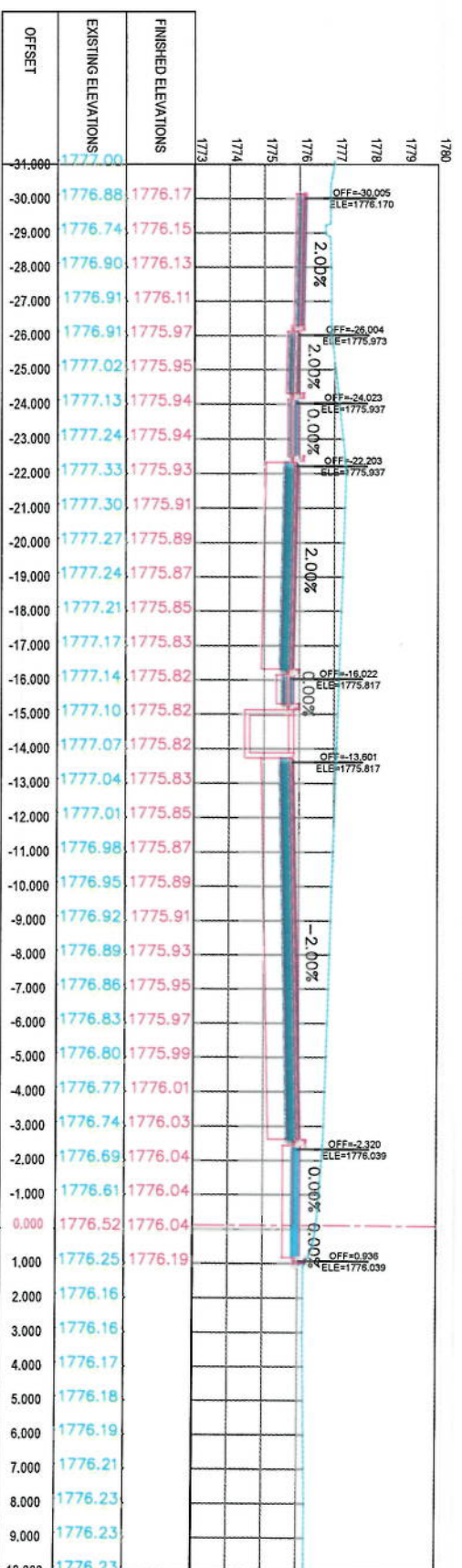
Status:
FINAL DESIGN

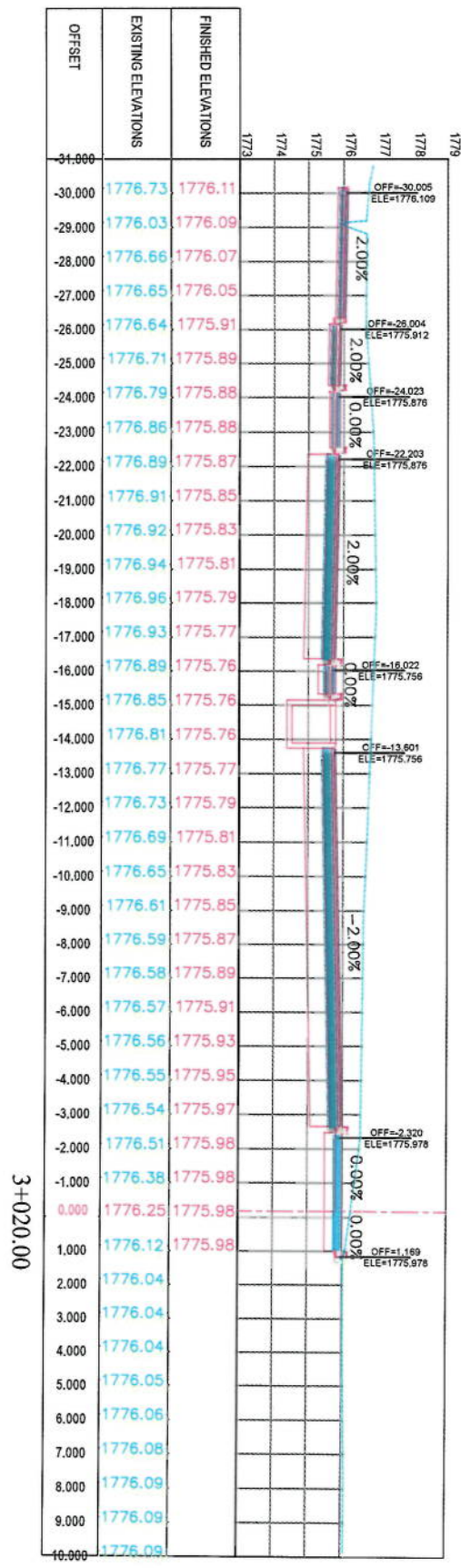
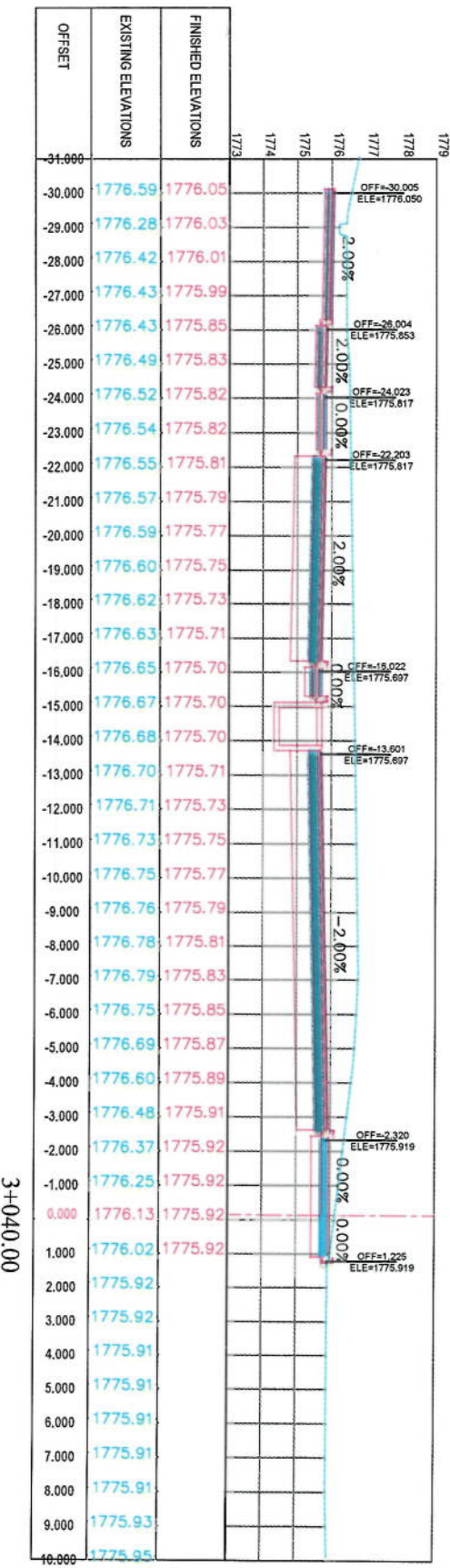
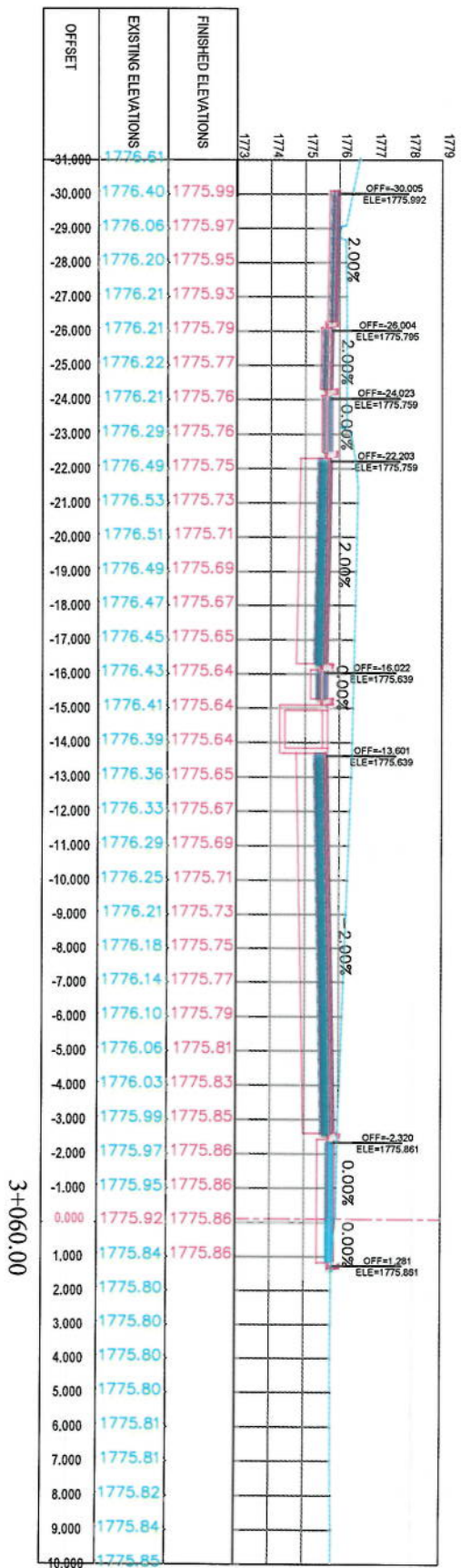
Project Code

Drawing Number

CS-51

00





NOTE
1. All dimensions are in meters unless otherwise indicated

LEGENDS
— CENTER-LINE
— EXISTING SURFACE
— EXISTING SIDE DITCH



Client:
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Cave-Sang'i To Demazang Road project

Drawing Title:
CROSS SECTIONS

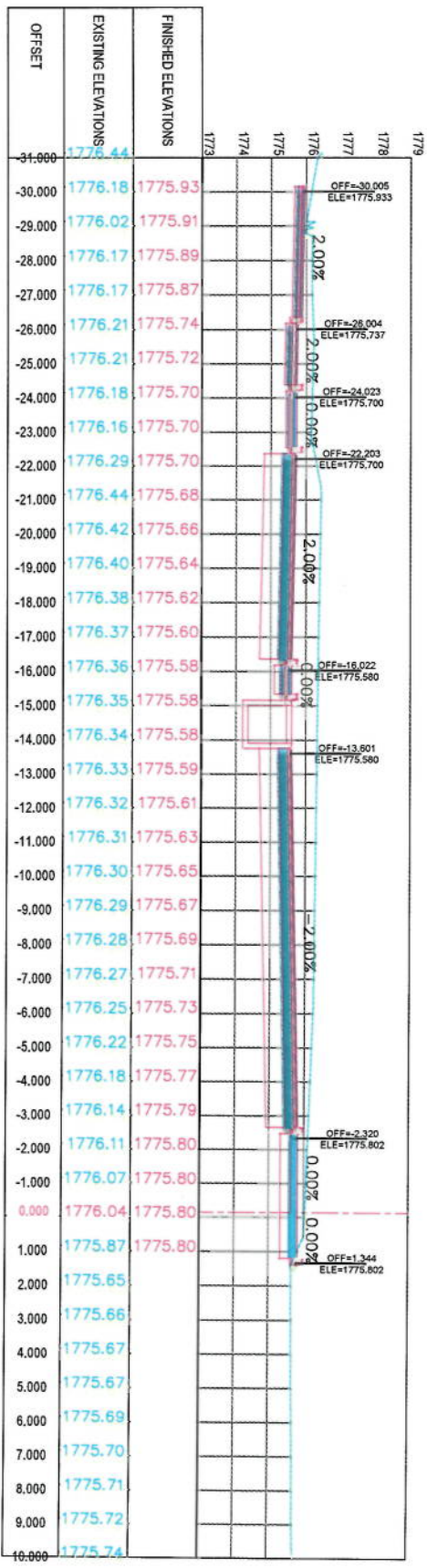
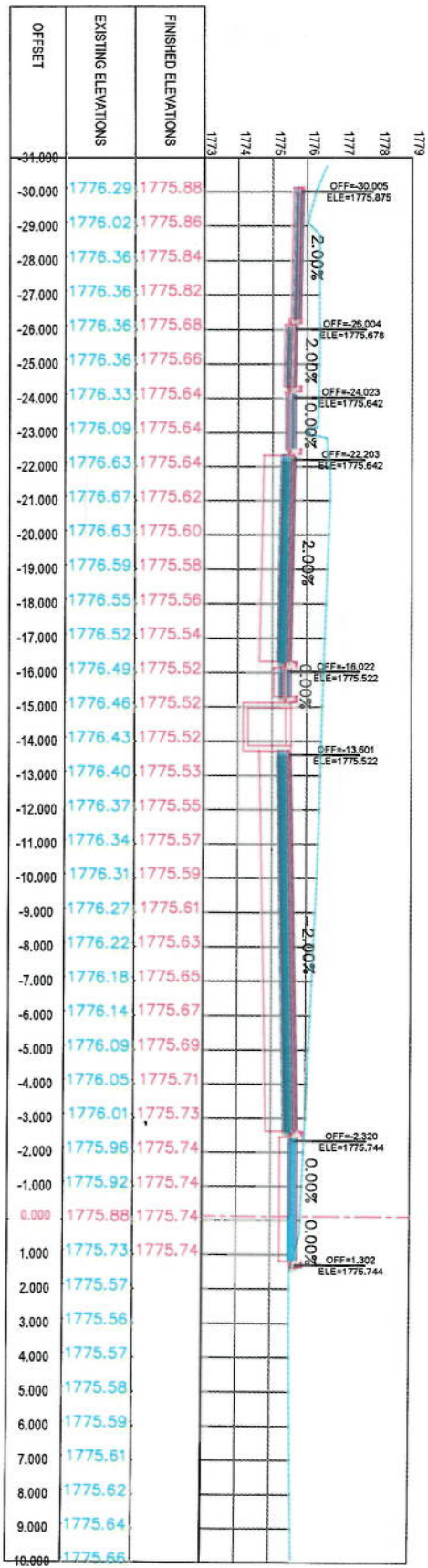
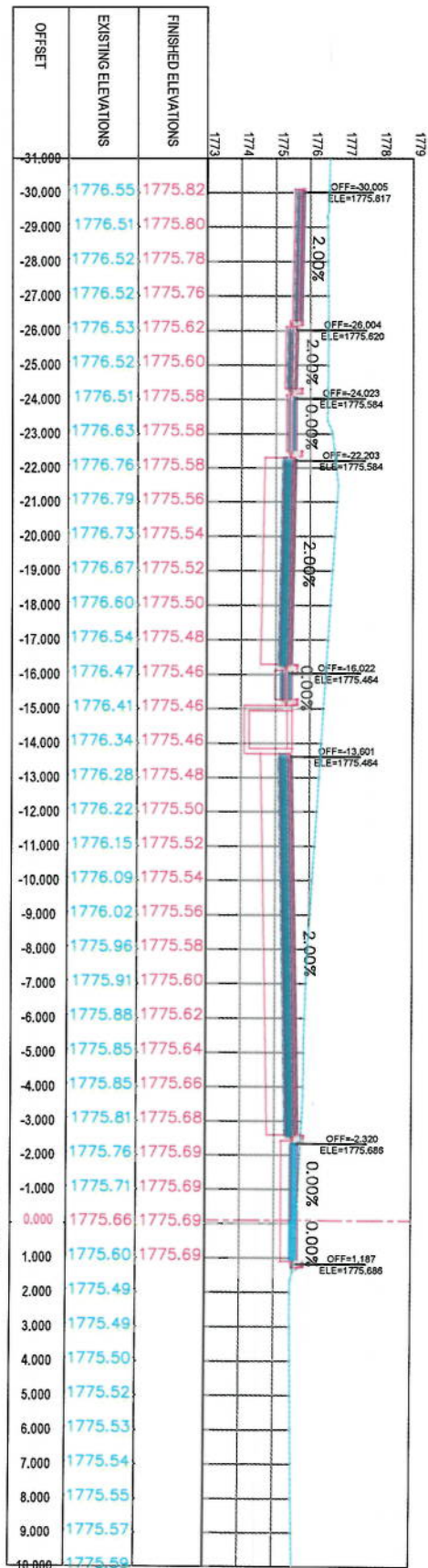
Designed by:
Mohammad Ishaq Shah
Signature: [Signature]
Checked by:
Mohammad Ishaq Shah
Signature: [Signature]
Hassanullah Shahidi
Signature: [Signature]

Date:
6/7/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code:
CS-52

Drawing Number:
00



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

LEGENDS

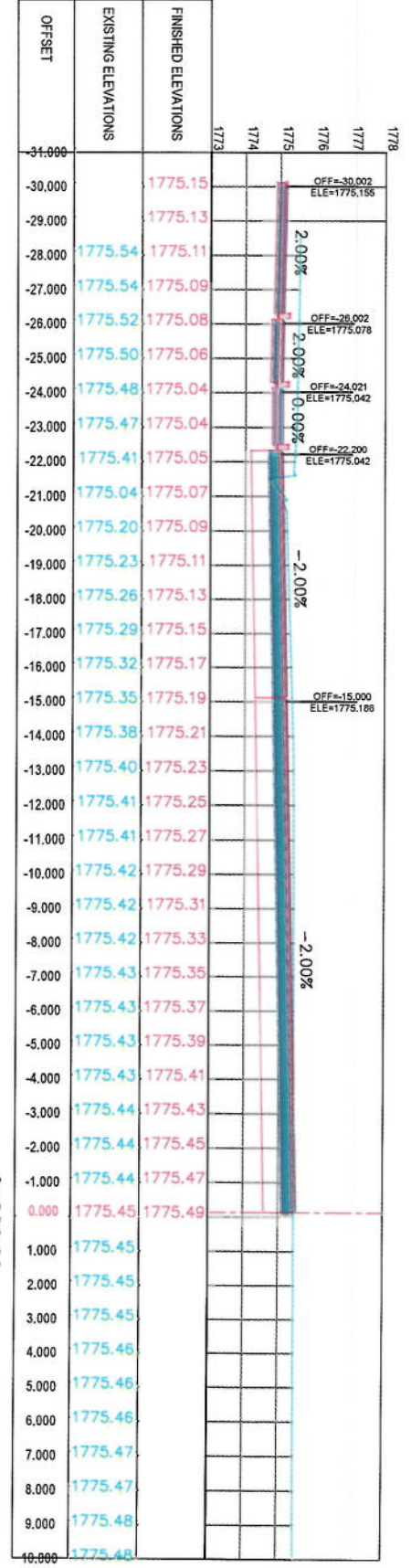
- CENTER-LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH

Client	ISLAMIC EMIRATE OF AFGHANISTAN
Designed by:	KABUL MUNICIPALITY
Project Name:	C&S-Stage To Demarzing Road Project
Drawing Title:	CROSS SECTIONS
Designed by:	Mohammad Eisa Sifat
Drawn by:	Mohammad Eisa Sifat
Checked by:	Hanifullah Shafizai
Date:	6/7/2023
Scale:	1:200
Project Code:	FINAL DESIGN
Drawing Number:	CS-53
Revision:	00

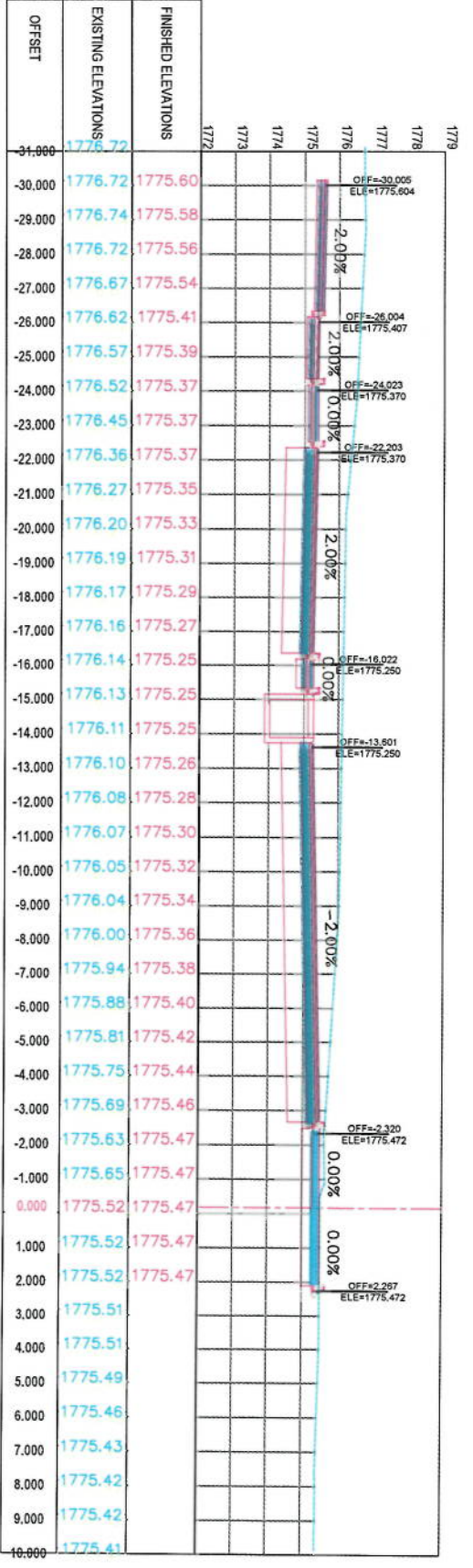


NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTERLINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH



3+220.00



3+200.00

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Car-Sung To Demnang Road Project

Drawing Title: CROSS SECTIONS

Designed by: Signature: _____

Drawn by: Signature: _____

Checked by: Signature: _____

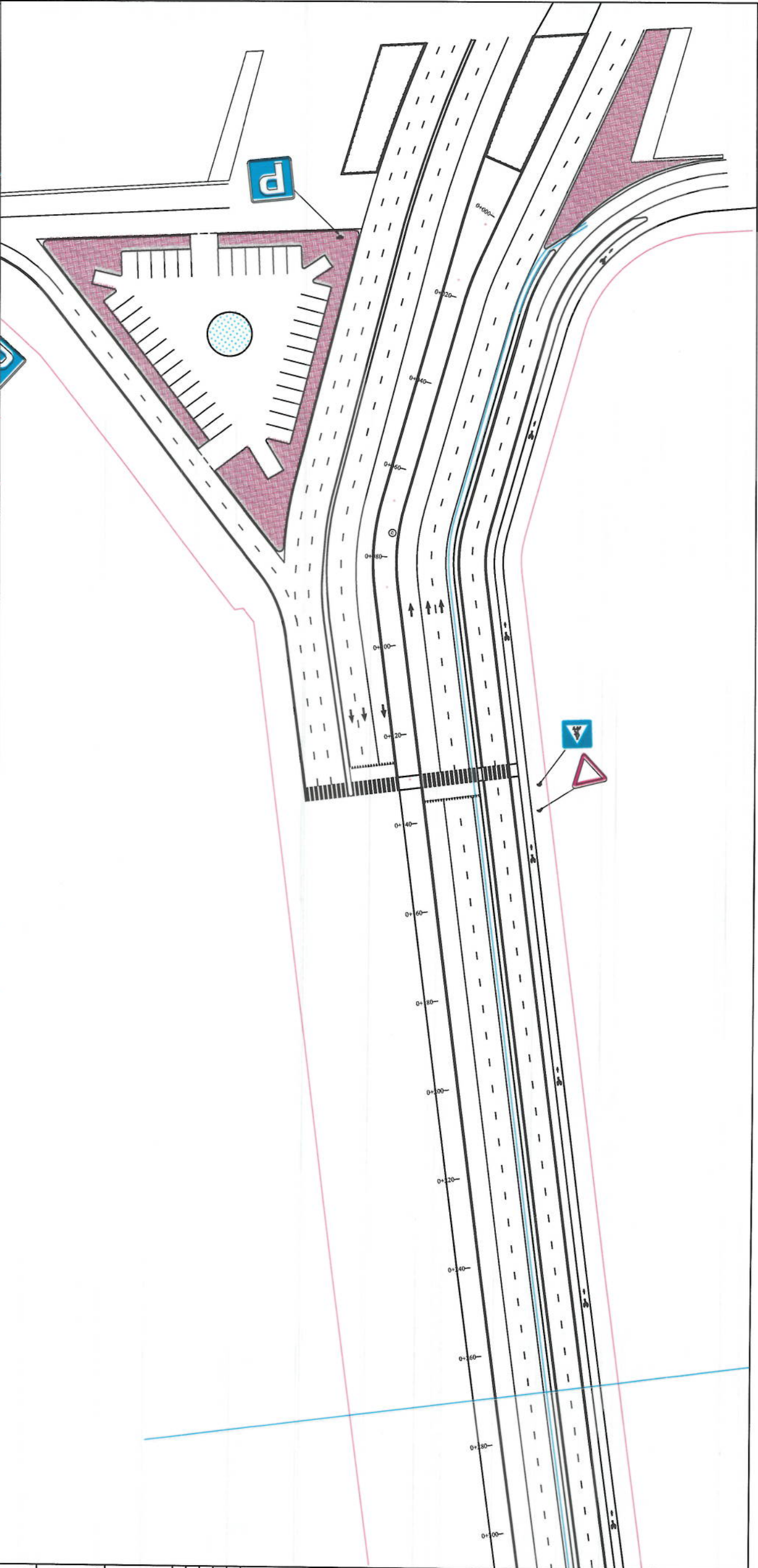
Date: 6/7/2023

Scale: 1:200

Status: FINAL DESIGN

Drawing Number: CS-55

Revision: 00



NOTE:

1. All dimensions are in meters unless otherwise indicated

LEGENDS

- CENTERLINE
- EXISTING SURFACE
- EXISTING SIDE DITCH



Date	Revision Details	Drawn

ISLAMIC REPUBLIC OF AFGHANISTAN

Client

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Civil Engineering Road Project

Drawing Title:

ROAD MARKING

Designed by:

Mohammad Issa Sina

Drawn by:

Mohammad Raza Sina

Checked by:

Habibullah Shalizi

Date:

6/8/2023

Status:

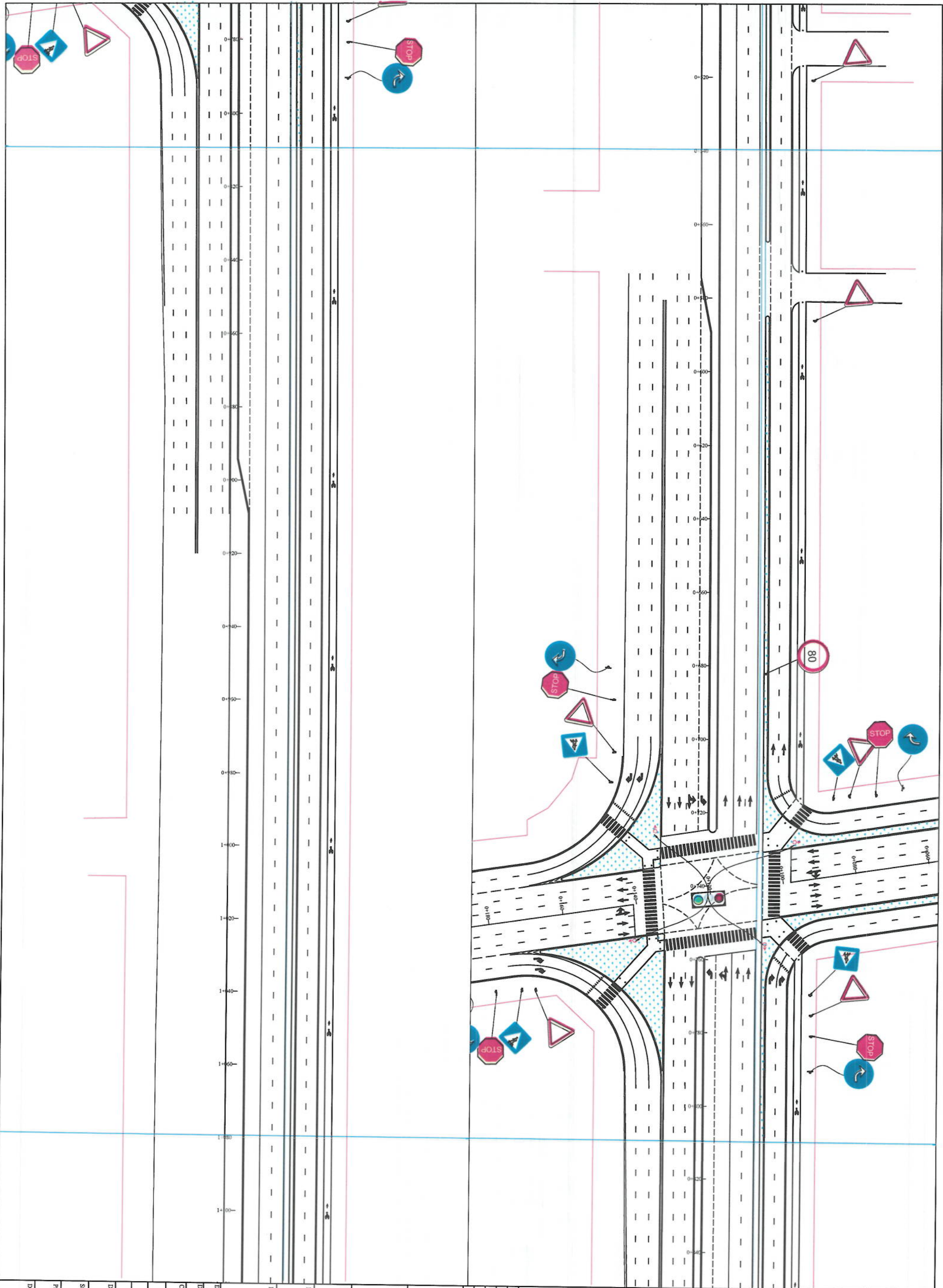
FINAL DESIGN

Project Code:

RM-1

Drawing Number

Revision



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

LEGENDS

- CENTER LINE
- EXISTING SURFACE
- EXISTING SIDE DITCH



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Cave-Sanj To Delmarazing Road Project

Drawing Title:

ROAD MARKING

Designed by:

Mohammad Fiaz Sina

Drawn by:

Mohammad Fiaz Sina

Checked by:

Hasbiullah Shafiei

Date:

6/8/2023

Scale:

1:1000

Status:

FINAL DESIGN

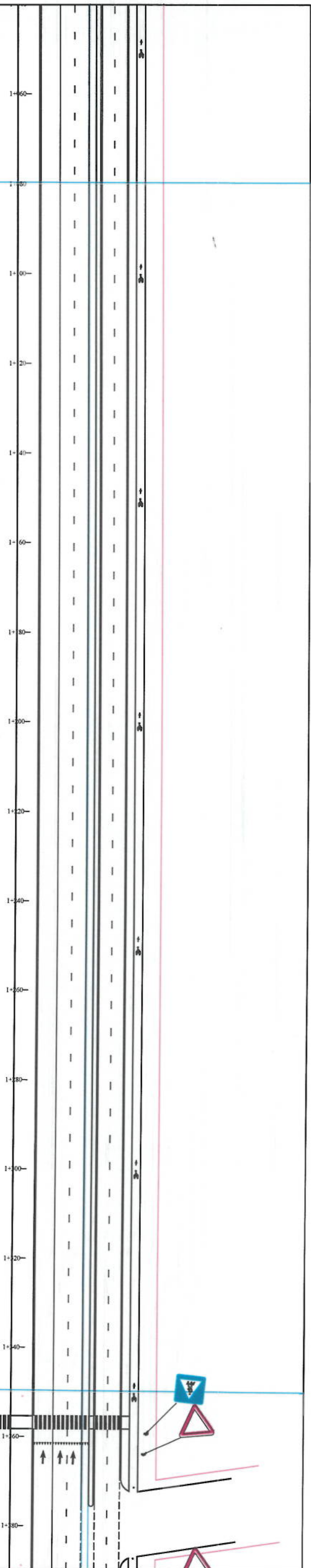
Project Code

Drawing Number

RM-2

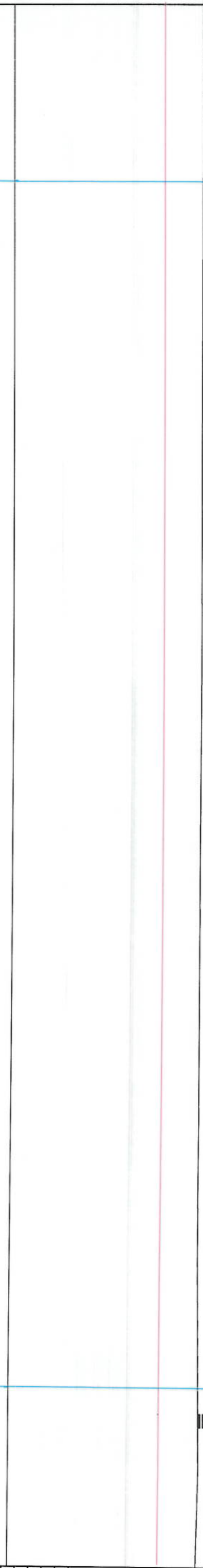
Revision

00



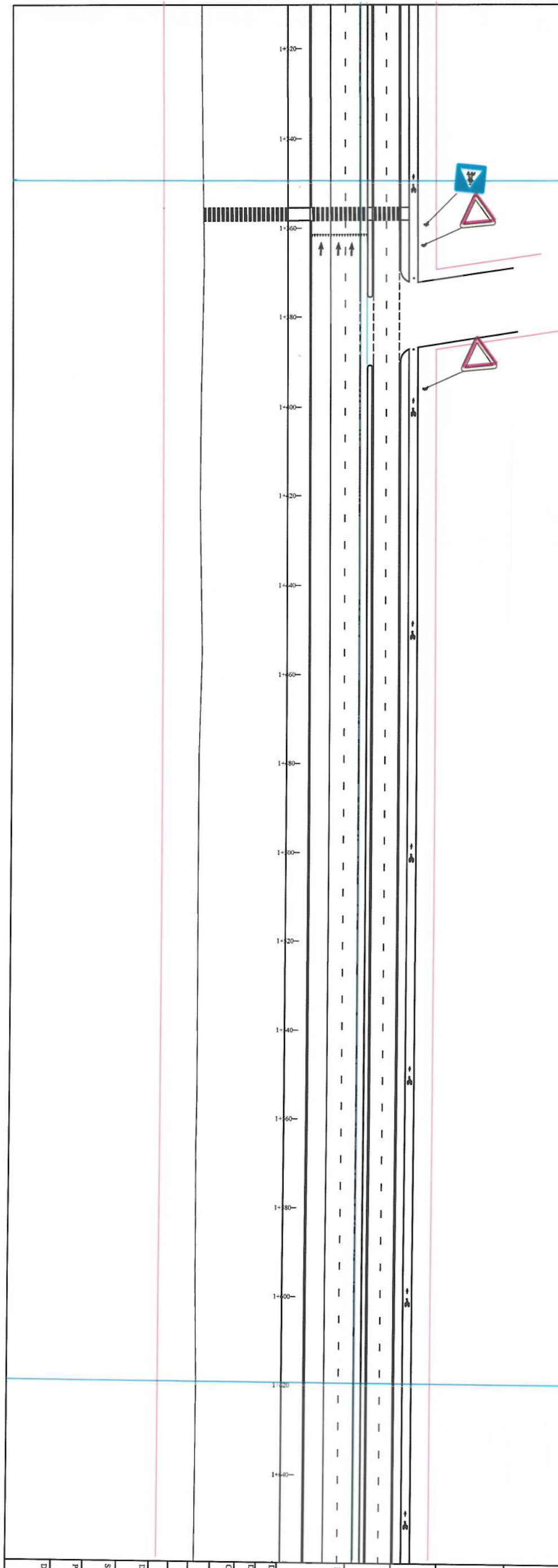
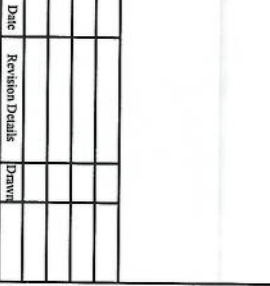
NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS
CENTER LINE
EXISTING SURFACE
EXISTING SIDE DITCH



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

LEGENDS
CENTER LINE
EXISTING SURFACE
EXISTING SIDE DITCH



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

LEGENDS
CENTER LINE
EXISTING SURFACE
EXISTING SIDE DITCH

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Cde-Sang To Dehnamang Road Project

Drawing Title: ROAD MARKING

Design	Signature
Designed by: Mohammad Easa Sani	
Drawn by: Mohammad Easa Sani	
Checked by: Hashbullah Shahid	

Date: 6/8/2023 Scale: 1:1000

Series: FINAL DESIGN

Project Code

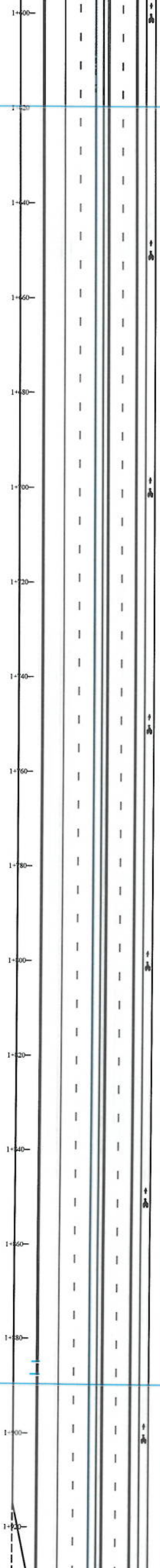
Drawing Number: PP-3 Revision: 00

1. All dimensions are in meters unless otherwise indicated.

CENTER-LINE

EXISTING SIDE DITCH

EXISTING SIDE DITCH



Date	Revision Details	Drawn	

ISLAMIC EMIRATE OF
AFGHANISTAN

KABUL MUNICIPALITY

KABUL MUNICIPALITY
DESIGN TEAM

Cote-Sangi To Dehmazang Road Project

ROAD MARKING

ROAD MARKING

Signature _____

Signature _____

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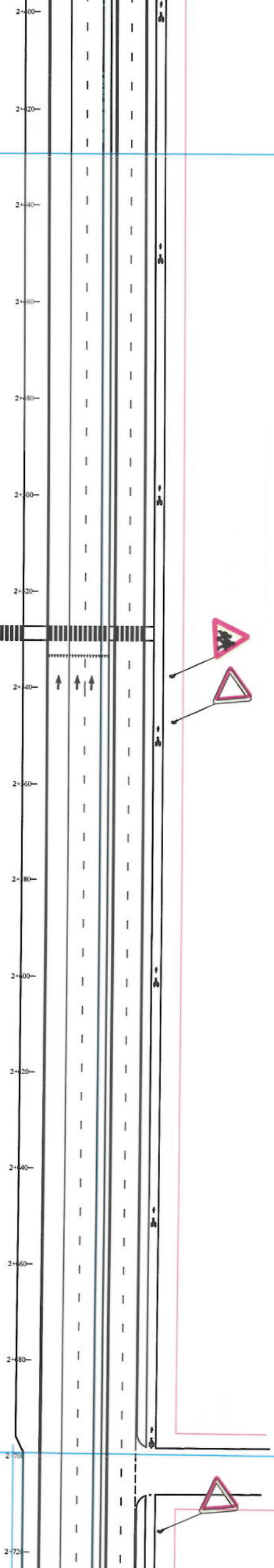
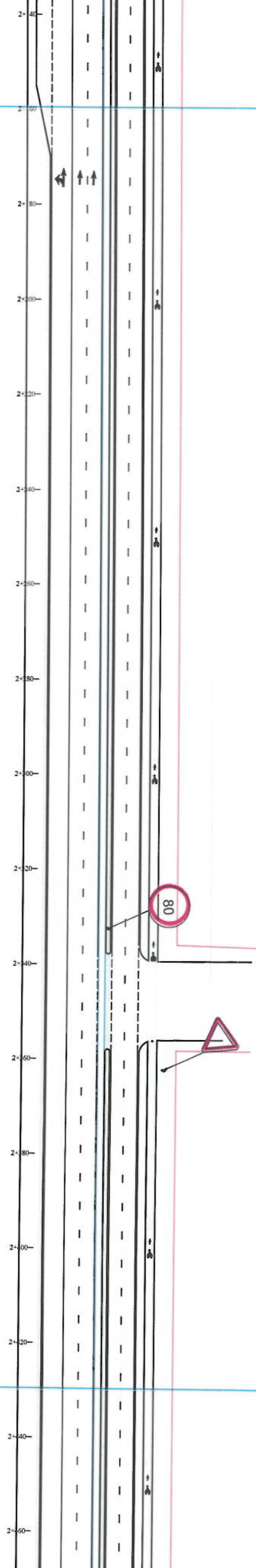
Scale:
1:1000

FINAL DESIGN

PP-4

PP-4

8



NOTES

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

CENTER-LINE

EXISTING SURFACE

EXISTING SIDE DITCH



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

KABUL MUNICIPALITY

KABUL MUNICIPALITY
DESIGN TEAM

Cot-e-Sangi To Dehmazang Road Project

ROAD MARKING

Designed by: Mohammad Essa Sirat	Signature: 
Drawn by: Mohammad Essa Sirat	Signature: 
Checked by: Hasbiullah Shaitzi	Signature: 

Date:	6/8/2023
Scale:	1:1000

FINAL DESIGN

Drawing Number

PP-5

Revision
00

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

CENTER-LINE

EXISTING SURFACE

EXISTING SIDE DITCH



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Cot-e-Sang-i To Dehrazang Road Project

Drawing Title:

ROAD MARKING

Designed by:

Mohammad Easa Sina

Drawn by:

Mohammad Easa Sina

Checked by:

Habibullah Shahzai

Date:

6/8/2023

Scale:

1:1000

Status:

FINAL DESIGN

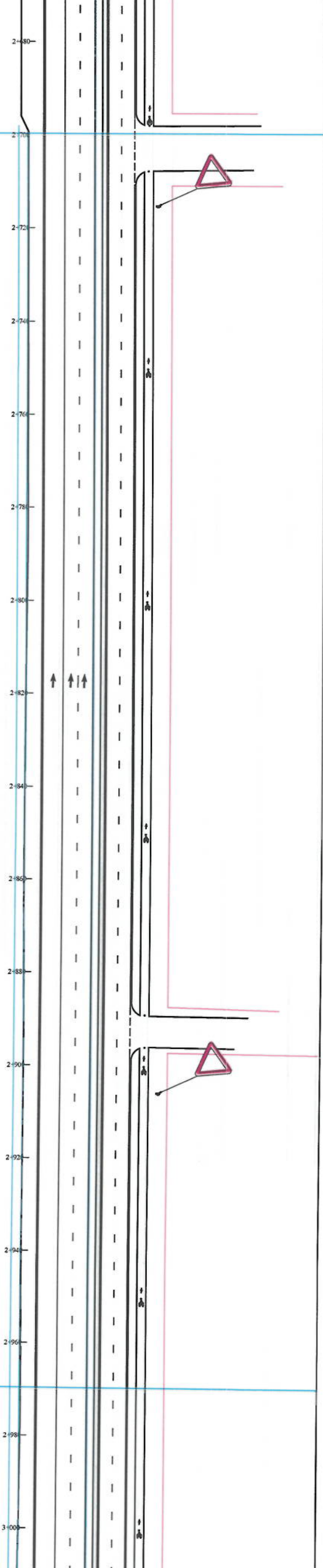
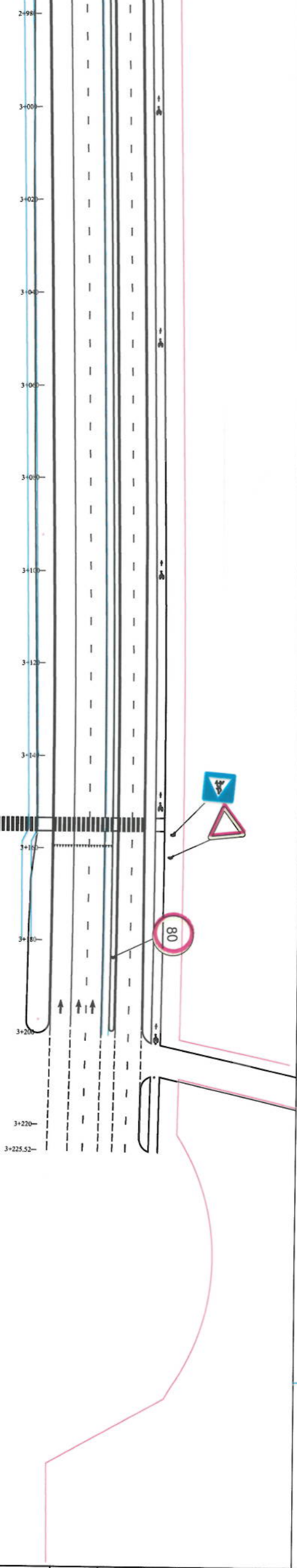
Project Code

Drawing Number

PP-6

Revision

00





نوٹ :
مندریت و سگنلائی چہار اہی بعداً توسط ریلست محترم انسٹلم اور کر افیک و کر انسپورٹ
عالم صورت خراہ کر گت کہ چہیت تیلل ایلن بہ این منظور ممکن بعضی تغییرات کر
چہار اہی آوردہ شد

NOTE:
1. All dimensions are in meters unless
otherwise indicated.
2. Signal location must be determined by
Traffic Specialist

LEGENDS
CENTER-LINE
EXISTING SURFACE
EXISTING SIDE DITCH



Date	Revision Details	Drawn

ISLAMIC REPUBLIC OF
AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Cale-Sangui To Dahmazang
Road Project

Drawing Title:

ROAD MARKING

Designed by:
Mohammad Eisa Sini
Signature:

Drawn by:
Mohammad Eisa Sini
Signature:

Checked by:
Habibullah Shariati
Signature:

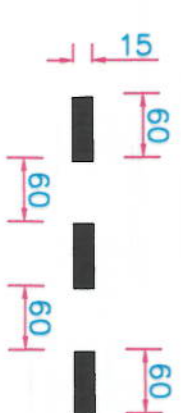
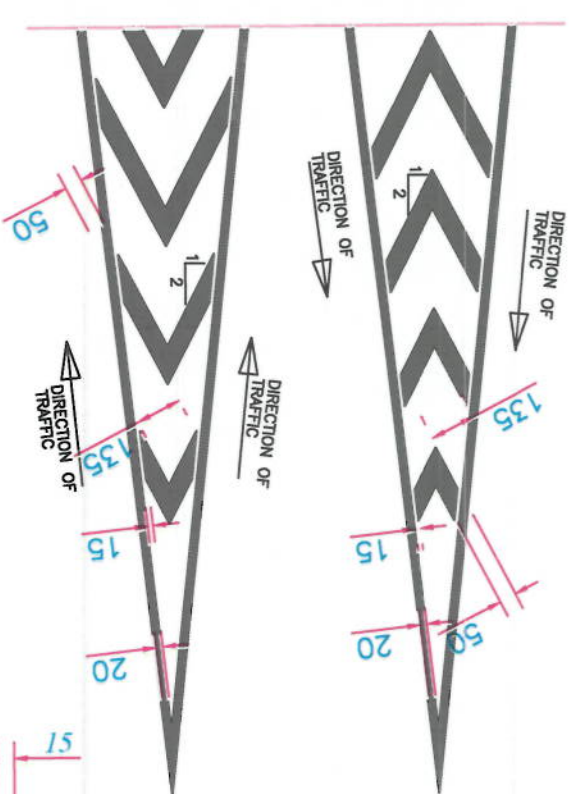
Date:
6/7/2023
Scale:
1:1000

Status:
FINAL DESIGN

Project Code

Drawing Number
RM-7

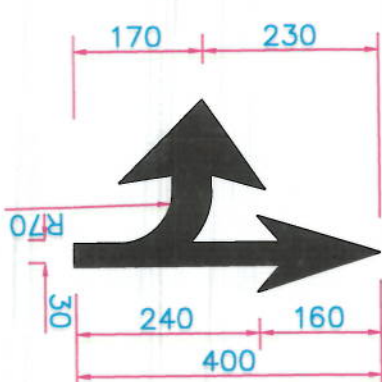
Revision
00



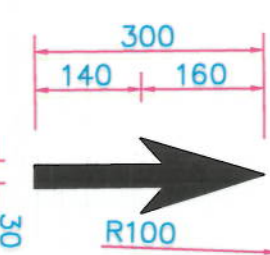
DOT LINE WHITE

HATCHING AND CHEVRON MARKING (WHITE)

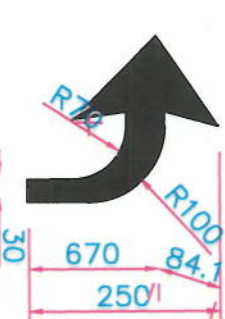
SOLID/CONTINUOUS LINE



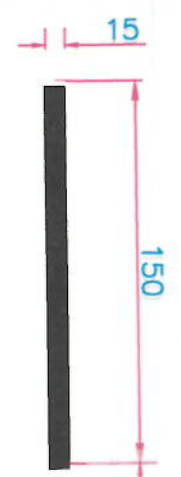
ARROW MARKING FOR LEFT TURN AND THROUGH TRAFFIC LANE (WHITE)



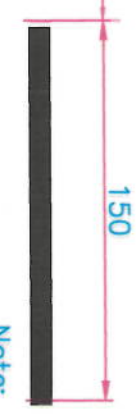
ARROW MARKING FOR THROUGH TRAFFIC LANE (WHITE)



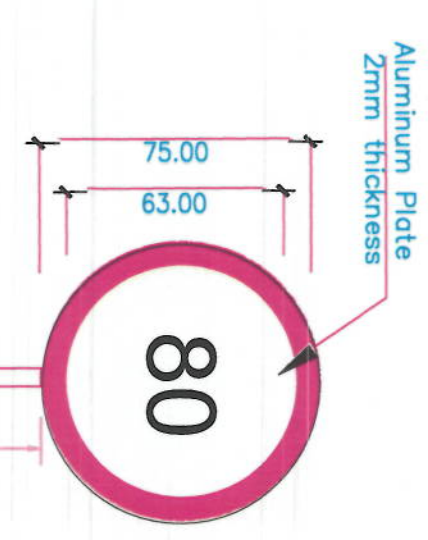
ARROW MARKING FOR LEFT TURN LANE (WHITE)



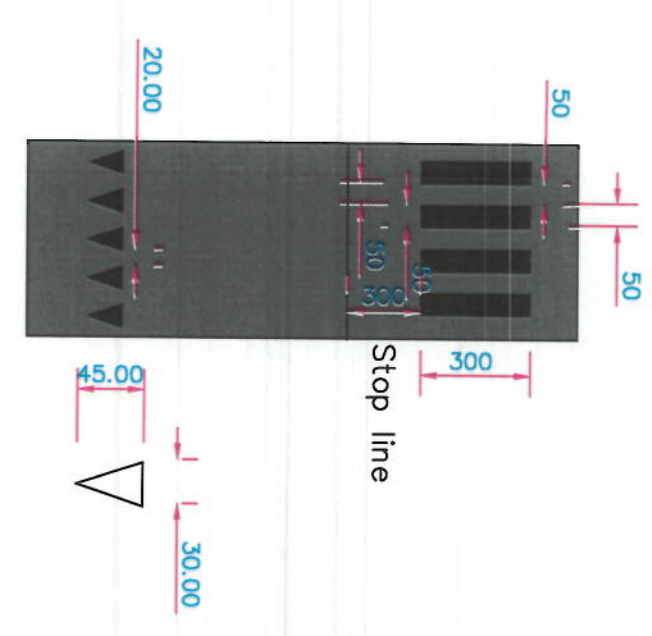
Lane Separation Line(Broken White)



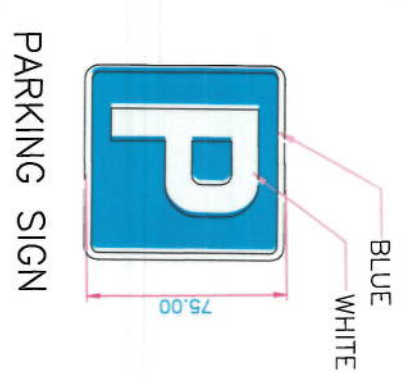
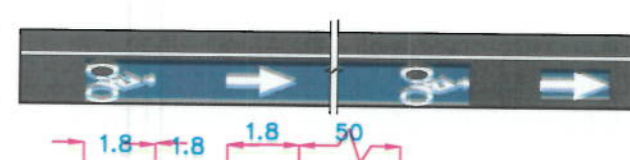
Note:
All Traffic Sign should be installed on the same galvanized steel pipe shown on the speed limit sign



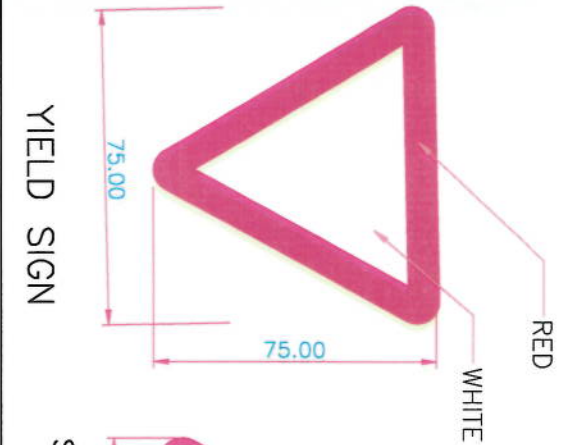
Aluminum Plate
2mm thickness



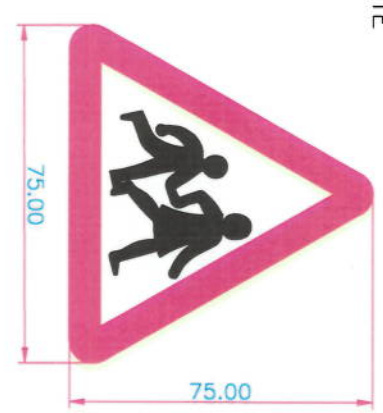
Typical Drawing of Crossing
and Yield marking



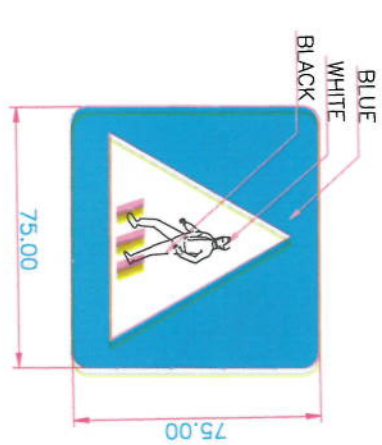
PARKING SIGN



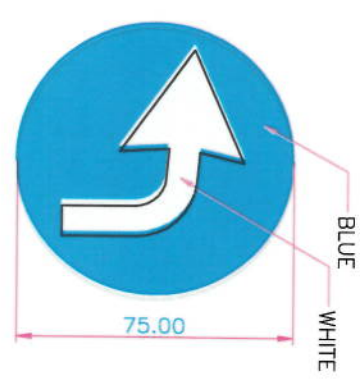
YIELD SIGN



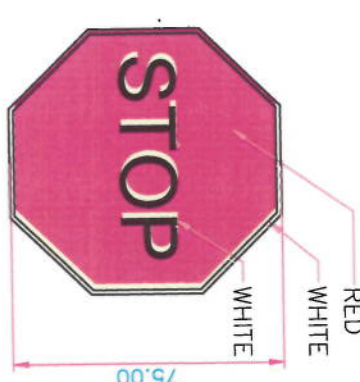
SCHOOL CROSSING SIGN



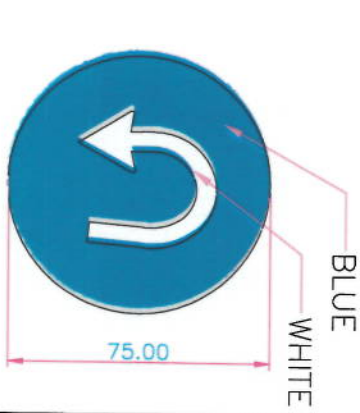
PEDESTRIAN CROSSING



DIRECTION TO BE FOLLOWED



STOP SIGN



U-TURN SIGN

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS



Date	Revision Details	Drawn

Client:
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Coe-Sang To Delamang Road Project

Drawing Title:
ROAD MARKING DETAIL

Designed by:
Mohammad Eisa Sani
Checked by:
Mohammad Eisa Sani
Hassanullah Shahzai

Date:
6/8/2023
Scale:

Status:
FINAL DESIGN

Drawing Number
RMD-1
Revision
00

NOTE:

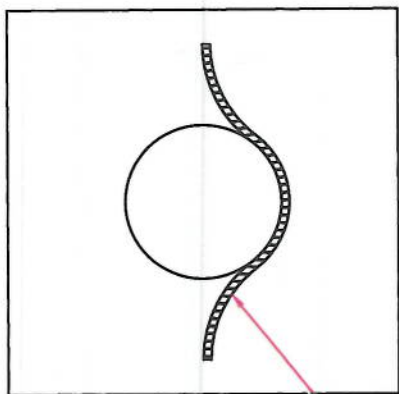
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

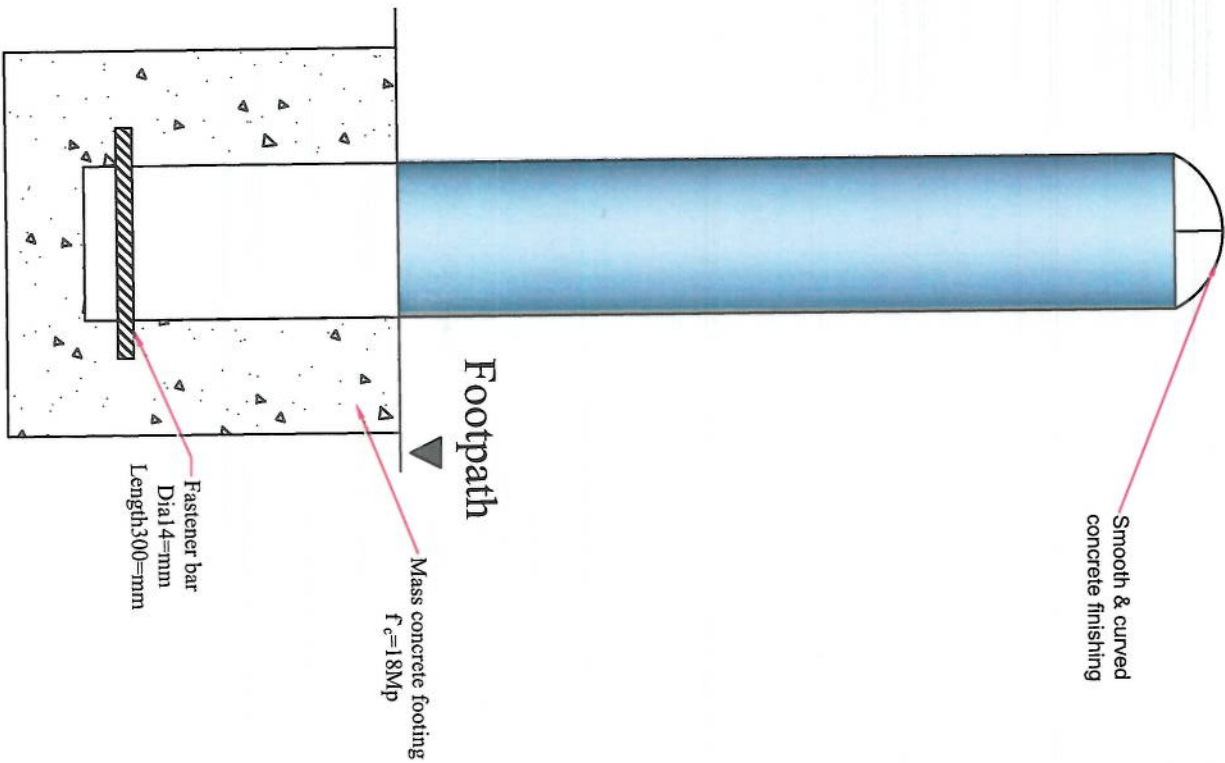
CENTER-LINE

EXISTING SURFACE

EXISTING SIDE DITCH



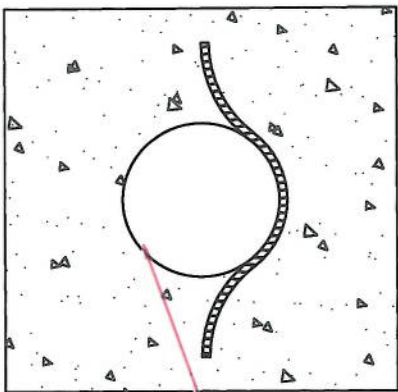
Fastener bar
Dia 14=mm
Length 300=mm



Footpath

Mass concrete footing
 $f_c=18\text{MPa}$

Fastener bar
Dial 4=mm
Length 300=mm



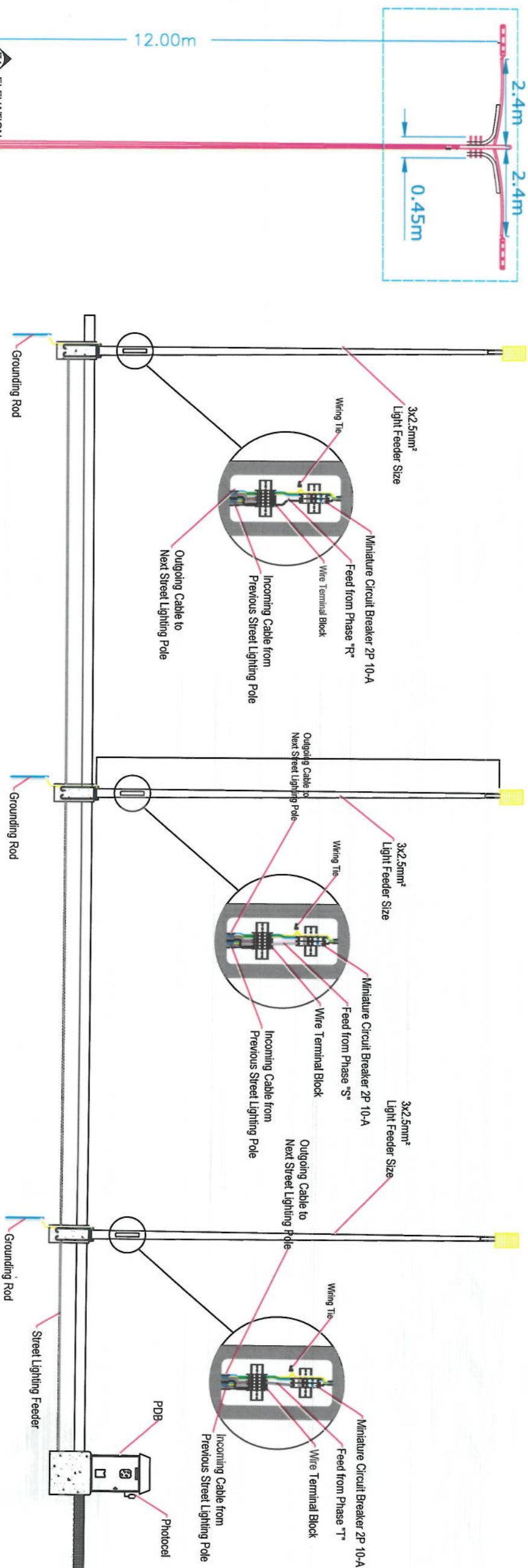
Steel Pipe(A) 36
Dia 6=inch
Thickness=3mm

BOLLARD DETAILS, EACH @ 120cm C/C Based on Drawing

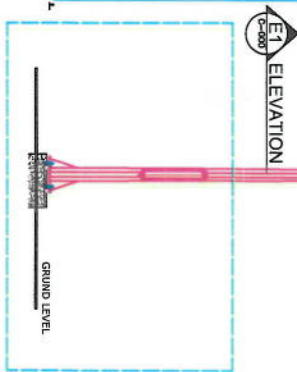
SCALE:NTS

[illegible]

NOTE:
All dimensions are in meters
unless mentioned.



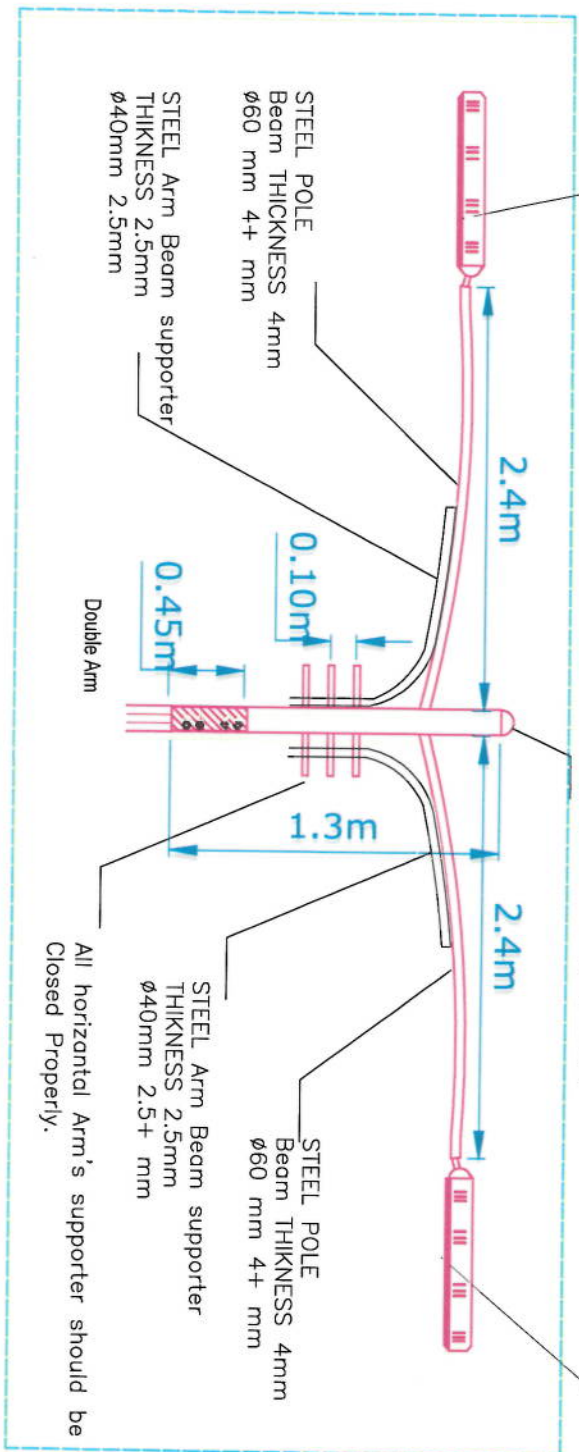
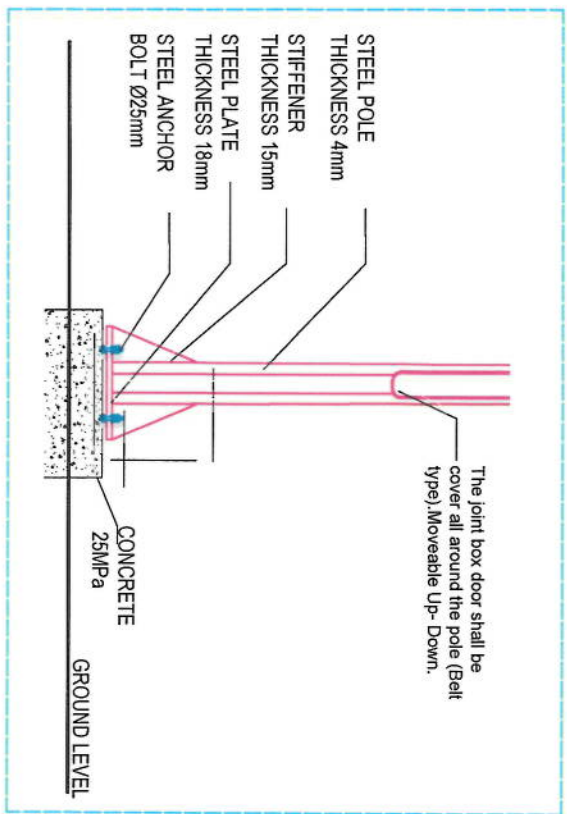
Street Light Poles Wiring System (Elevation)



128Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 15660min
wattage 128watt

128Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 15660min
wattage 128watt

Capping should be in proper way .



All horizontal Arm's supporter should be Closed Properly.

Street Light Pole Double Arm Detail

Rev	Date	Revision Details	Drawn	Chk	Appd

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

RAHMAN MINA ROAD

Drawing Title

Lighting Detail

Drawn by:
Mohammed Fiaz Sana
Checked by:
Habibullah Sana
Signature
Signature

6/7/2023

SCALE

Status:

FINAL DESIGN

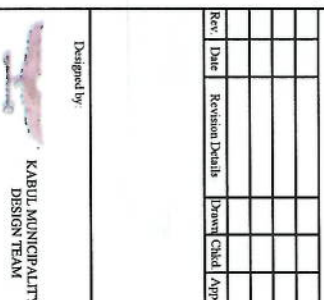
Project Code

Drawing Number



LD-01

Revision

01



نوت : قابل ذکر است که منبع وصل برق در جریان تطبیق پروژه توسط مدیر پروژه در هماهنگی با ریاست برق کابل از نزدیک ترین و مناسب ترین منبع ممکن مشخص خواهد گردید.

Drawing Title	
Lighting Detail	
Drawn by:	Signature
Mohammed Eisa Saeed	
Checked by:	Signature
Haniyalla Shakeri	
6/7/2023	SCALE
Sheet:	FINAL DESIGN

Drawing Number	Revision
LD-02	02