



PDF Compressor Free Version

KABUL MUNICIPALITY
INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT

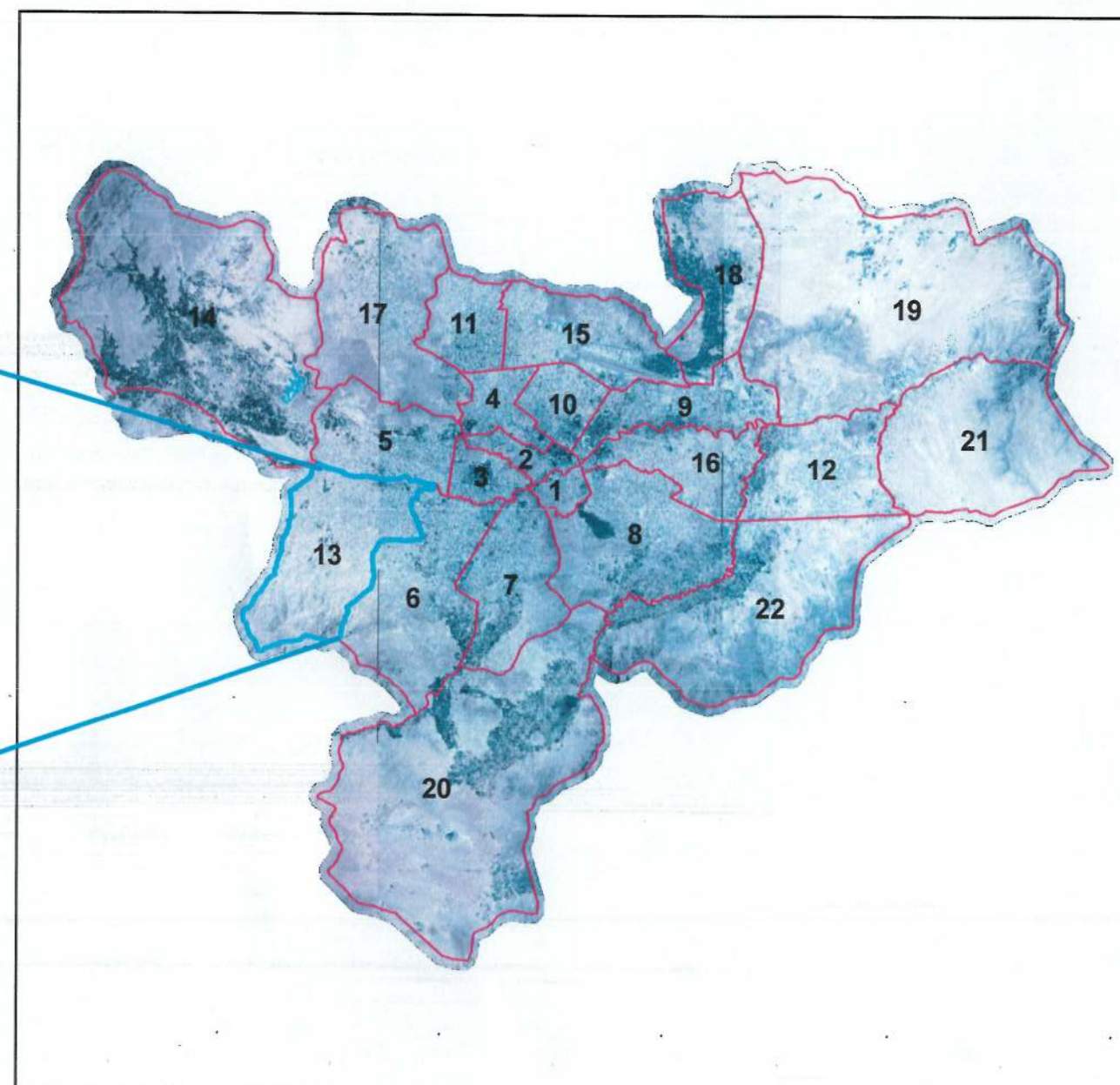
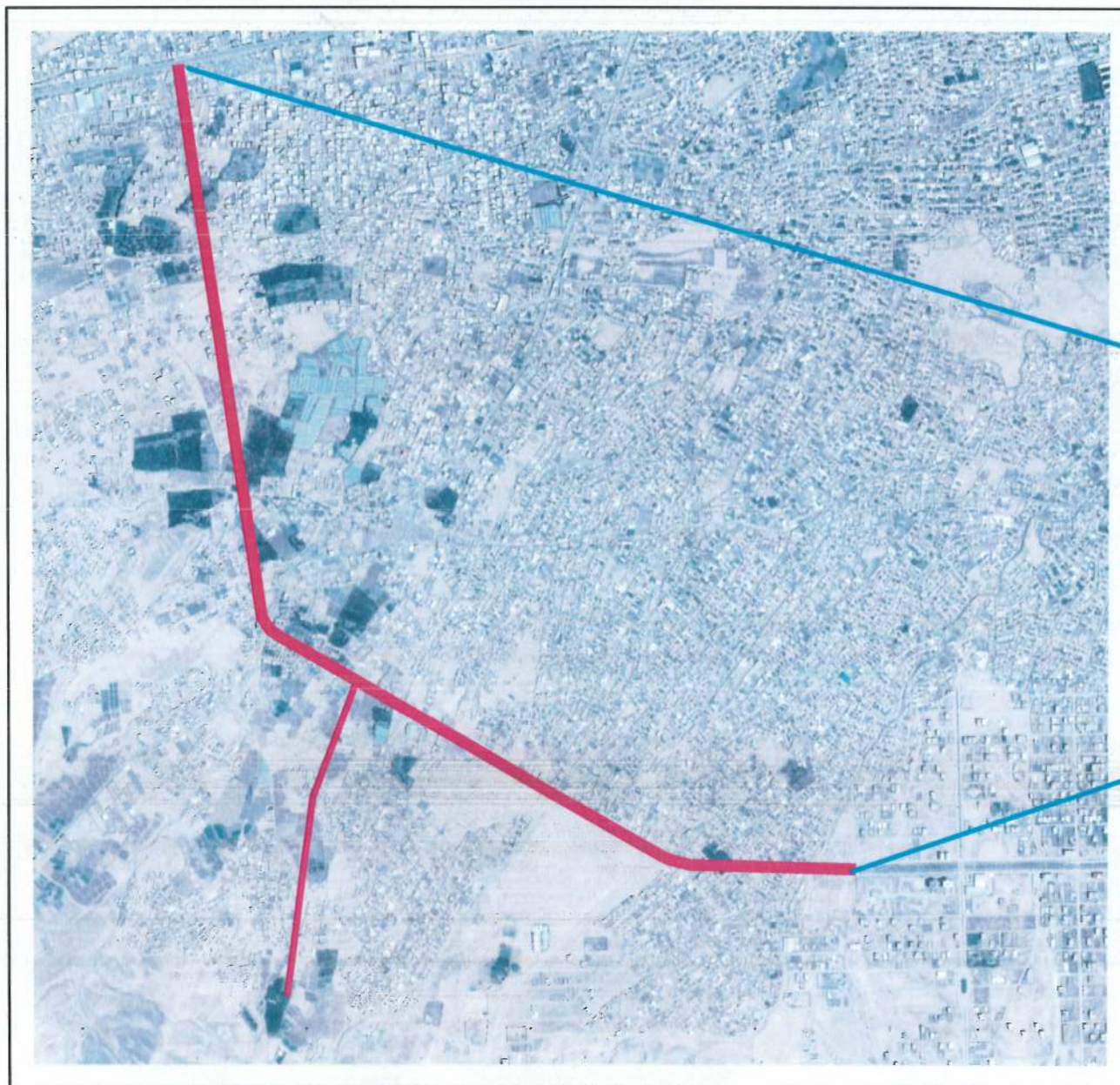


د افغانستان اسلامي امارت

THE CONSTRUCTION OF ROAD PROJECT FROM THE END OF OMID-E-SABZ TOWN TO THE ORFANI ROAD

توسعه سرک اعتبار از ختم سرک شهرک امید سبز اتصال به سرک عرفانی

13th DISTRICT

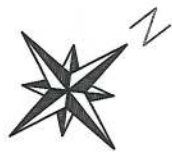


ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

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DRAWING CONTENT			
Project	ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT		
No	Page	Drawing Title	INCLUDING..
1	COVER PAGE	COVER PAGE	1 SHEET
2	TABLE OF CONTENT	TABLE OF CONTENT	1 SHEET
3	SIGN SHEET	SIGN SHEET	1 SHEET
4	T-(01-05)	TYPICALS & PAVEMENT DETAILS	5 SHEETS
5	RWD-01	RETAINING WALL DETAILS	1 SHEET
6	CUL and DRAINAGE SECTION	CULVERTS, SIDE DITCHS, LINK ROAD, SIDE DITCHS and DOOR ENTRANCES	27 SHEETS
7	PP-(01-15)	PLAN & PROFILE Main Alignment	15 SHEETS
8	PP-(01-04)	PLAN & PROFILE Sub Alignment	4 SHEETS
9	UTD-01	U-TURN DETAIL (Main Alignment)	1 SHEET
10	DPP-(01-15)	DRAINAGE PLAN & PROFILE (Main Alignment)	15 SHEETS
11	CPP-01	CULVERT #5 PLAN & PROFILE	1 SHEET
12	TOPOGRAPHIC-SURVEY	TOPOGRAPHIC-SURVEY	...SHEETS
13	CS-(01-80)	CROSS SECTIONS(Main Alignment)	81 SHEETS
14	CS-(01-10)	CROSS SECTIONS(Sub Alignment)	10 SHEETS
15	R-(01-12)	ROAD MARKING & DETAILS	12 SHEETS
16	EP-(01-08)	STREET Lighting Plan (main alignment)	8 SHEETS
17	S-L-D (01-05)	Street Lighting Details	5 SHEETS
18	S-L-M (01-04)	Street Lighting Manhole	4 SHEETS
19	S-L-W (01-06)	Street Lighting Wiring	6 SHEETS
20	EP-(01-02)	Street Lighting Plan (sub alignment)	2 SHEETS
21	S-L-D (01-05)	Street Lighting Details	5 SHEETS
22	S-L-W (01-04)	Street Lighting Wiring	4 SHEETS
23	TWR-01	Table Volume Report	1 SHEET
24	PT-(01-02)	Point table	3 SHEETS
25	SR-01	Stakeout Report	1 SHEET





END OF MAIN ALIGNMENT
E:504227.623
N:3817197.446

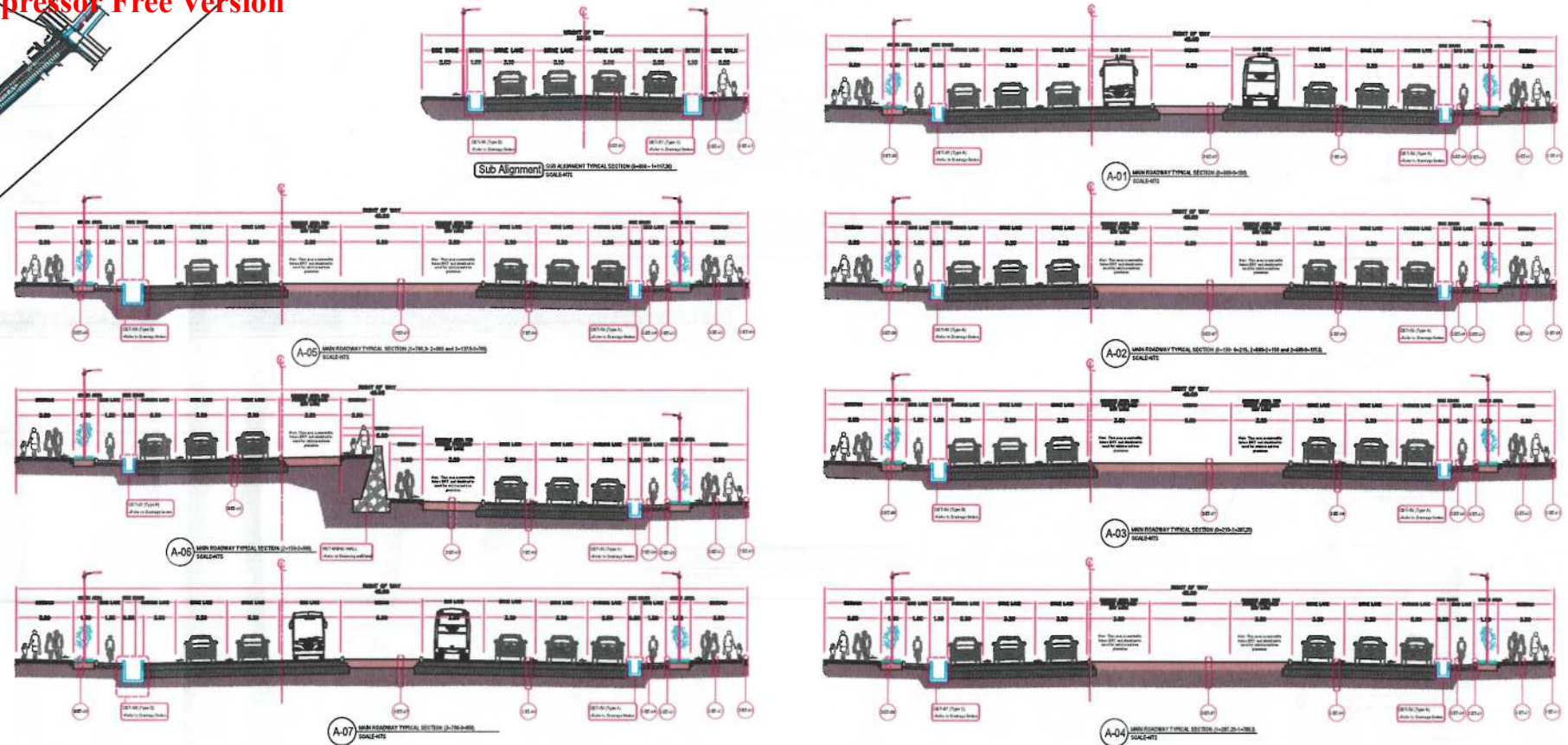
PDF Compressor Free Version

START OF SUB ALIGNMENT:
E:504781.595
N:3815292.284

END OF SUB ALIGNMENT:
E: 504504.452
N: 3814213.615

Location: District 13th
Right of Way: Roads 45m
Total Length: 4980 m.
Cross Section Elements: Asphalt Pavements, RCC Open Ditch, Bikeway, Greenary and Sidwalk.

START OF MAIN ALIGNMENT
E: 506397.135
N:3814732.000



اعمار سرک اعتبار از ختم سرک شهرک امید سبز اتصال به سرک عرفانی

نمود: اسناد تفصیلی پروژه هفا بعد از اتمام سرک شهرک امید سبز اتصال به سرک عرفانی، ترسیم کننده، دیزاین کننده، تأیید کننده و منظوری مقام محترم شاروالی کابل در این صفحه و همچنین امضاء سروری کننده ها، ترسیم کننده، دیزاین کننده، بررسی کننده، برزیس کننده و مهر این ریاست در صفحات بعدی، قابل طی مراحل بعدی بوده و تطبیق میگردد.

توضیح:

- 1- اسناد تفصیلی پروژه اعتبار از ختم سرک شهرک امید سبز اتصال به سرک عرفانی نظریه بودجه داخلی سال 1402 که تحت نمبر 76 در پلان مذکور ثبت میباشد تهیه و ترتیب گردیده است.
- 2- نظریه راهپرو چوبکینگ که توسط لایزالوار ارایه گردیده است در قسمت پیت های 9 و 10 که در محدوده استیشن های 3+120 و 3+700 الیمنت اصلی (Main Alignment) و تست پیت 12 که در محدوده استیشن 0+820 الیمنت فرعی (Sub Alignment) قرار دارد، مواد پست سرک (Sub Grade) مواد مناسب با $(CBR_{min} = 13\%)$ گزارش داده شده است. لذا در حین تطبیق پروژه در محدوده های یاد شده و یا در موقعیت های دیگر در طول پروژه با چنین مشخصات مواد پست سرک از استفاده مواد مناسب (Satisfactory Material) که در دیزاین فرس سرک به کار برده شده است خودداری گردد.
- 3- مقدار کندن کاری که در بل احجام پروژه داده شده است شامل کندنکاری خاک، کندنکاری کانکریت موجوده و کانال های کانکریتی و سنگ در طول پروژه میباشد. لذا داوطلبان مکلف است در حین نرخ دهی نکته مذکوره را در نظر داشته باشند.
- 4- از اینکه وضعیت پروژه مذکوره در ساحه مسکونی بوده روی این ملحوظ فراموش نماند که در داخل خانه های مسکونی دیتای حقیقی را اخذ نمایند که دیزاین پروژه مذکوره به اساس همین دیتای سروری که 'داخل خانه های مسکونی دیتای حقیقی ندارد' تهیه گردیده است. بنا بر صورت ضرورت بعد از تخریب خانه های مسکونی در مسیر پروژه مذکوره بهتر است تا سروری دوباره با دیتای حقیقی ساحه جهت دریافت احجام حقیقی کندنکاری و پرکاری صورت گیرد.
- 5- فرار مشاهده سروری توپوگرافی و حالت ساحه، در مسیر پروژه مذکوره پایه های برق و بعضی تاسیسات برق نیز فرار گرفته است که در حومه تغییر موقعیت دهی آن طبق قانون، مقررات و مواد تفاهنامه منعقد بین ادارات زیربط اجراء صورت خواهد گرفت.

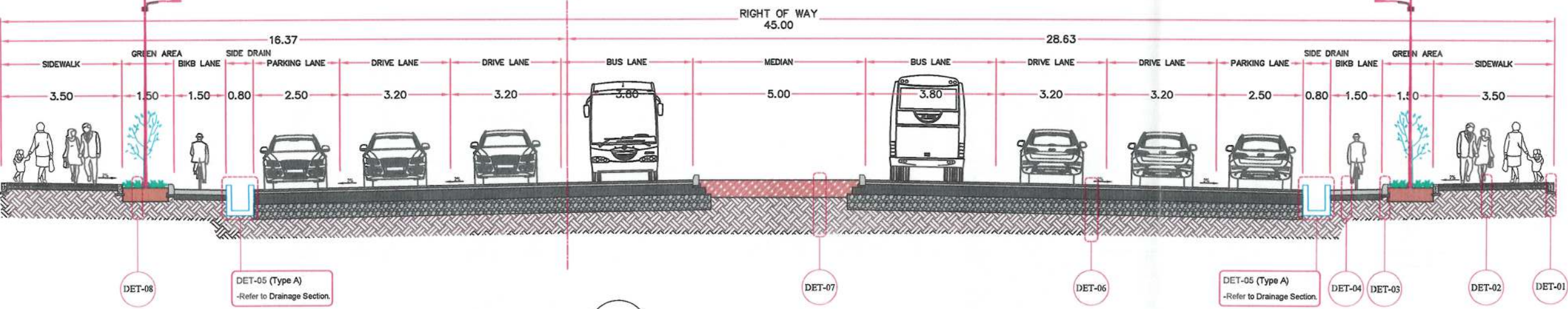
منظوری مقام محترم شاروالی کابل در این صفحه بیان کننده منظوری تمام صفحات بعدی این بسته اسناد تفصیلی می باشد.

منظور است:
مقام محترم شاروالی کابل

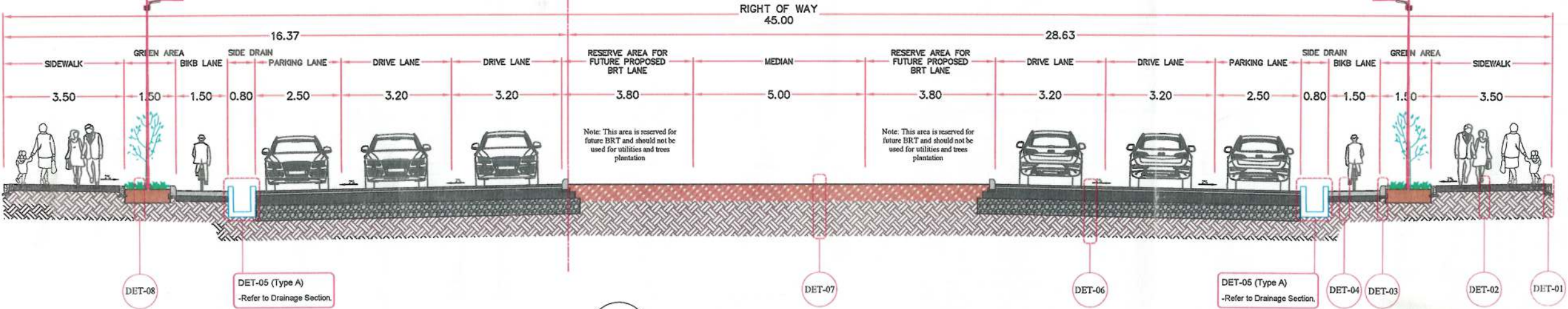
تأیید کننده:
فایق احمد تسلی
رئیس زیربنای شهر

امضاء:	سروری کننده ها:
امضاء:	بررسی کننده سروری: سید عتیق الله شیرازی آمر سروری
امضاء:	ترسیم کننده: حکیم کریمی منهاج الرحمن
امضاء:	دیزاین کننده: محمد عیسی سیرت باز محمد راجی
امضاء:	بررسی کننده دیزاین: حسین الله شالیزی آمر دیزاین

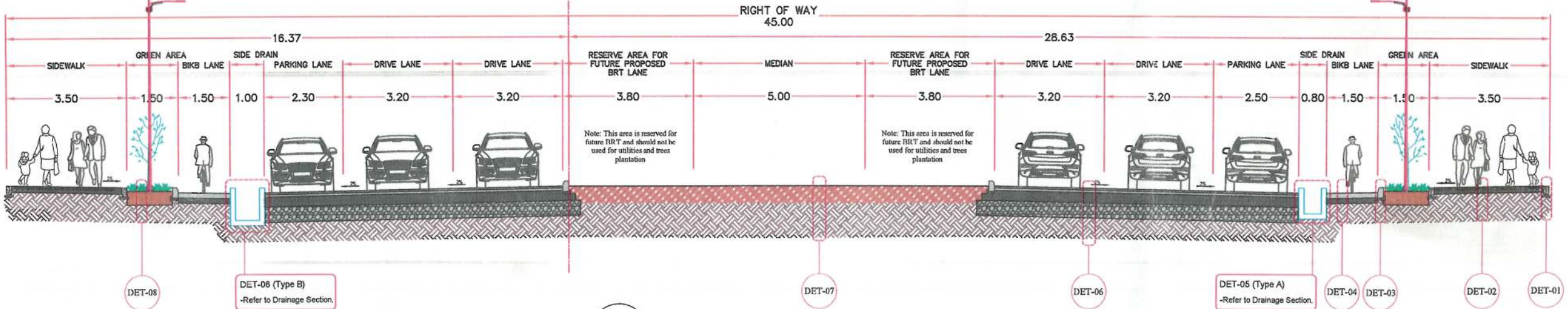




A-01 MAIN ALIGNMENT TYPICAL SECTION (0+000-0+150) SCALE-NTS



A-02 MAIN ALIGNMENT TYPICAL SECTION (0+150- 0+215, 2+085-2+150 and 2+560-3+137.5) SCALE-NTS



A-03 MAIN ALIGNMENT TYPICAL SECTION (0+215-1+297.25) SCALE-NTS

- General Notes:
1. All Dimensions are in Meters Unless Otherwise Indicated.
 2. The responsibility of the Department of Greenery to choose the type of tree to be planted in the median of the road.
 3. Street lighting pole for more details refer to electrical drawings.

LEGEND

Center Line	
Surfaces Course	
Existing Sidewalk Surface	
Granular Material	
Natural Soil	
PCC Concrete	
Greenery	
Agriculture Soil	
Drainage	
Trees	
Lighting Pole	

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

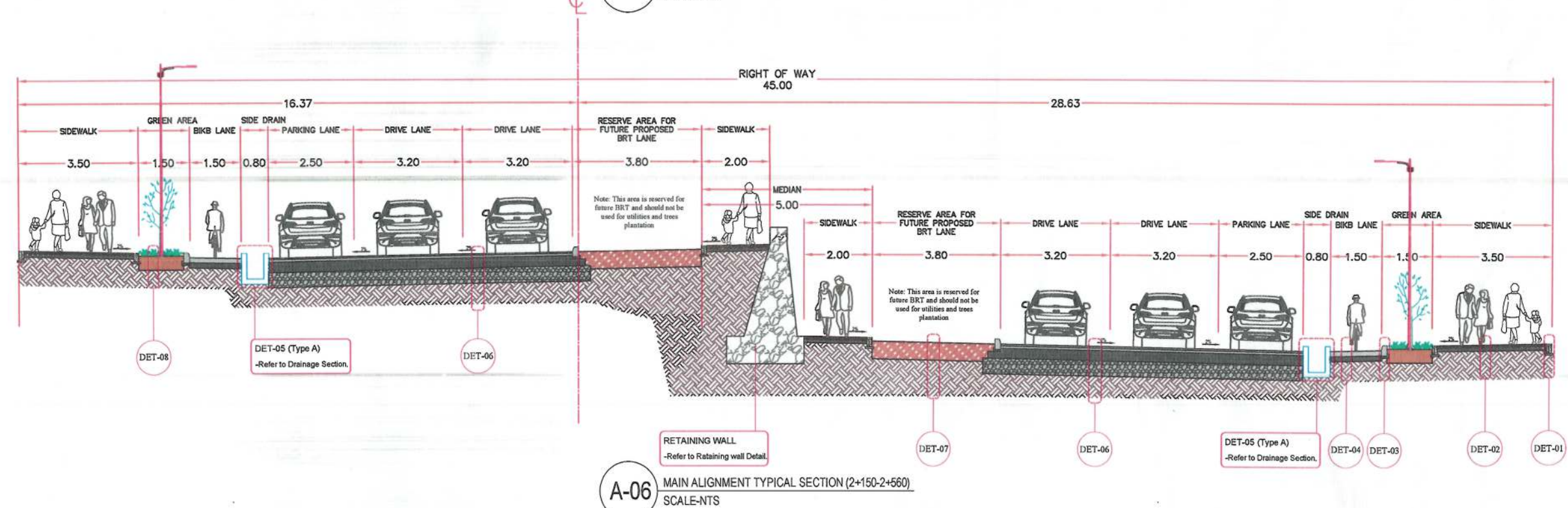
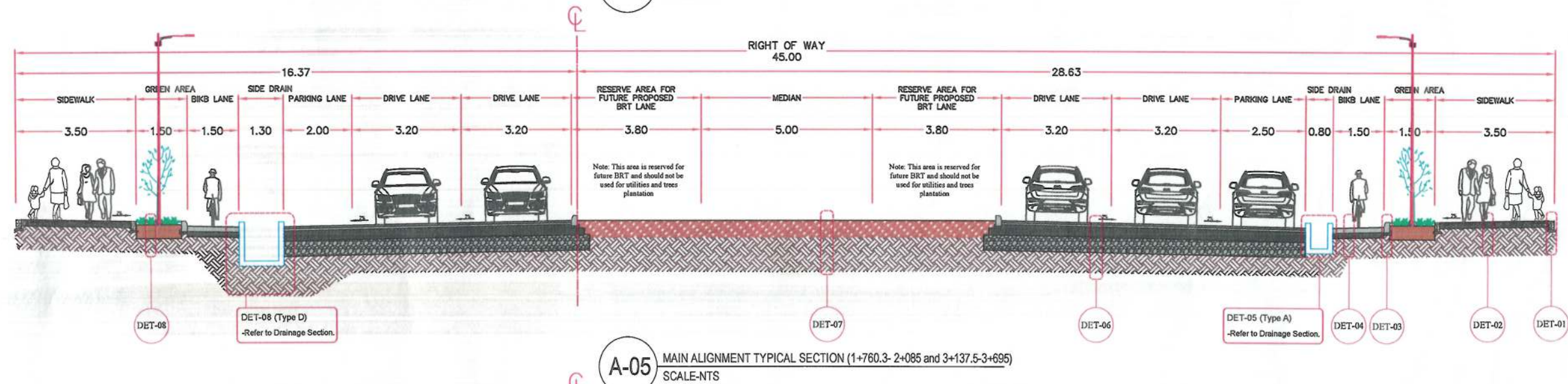
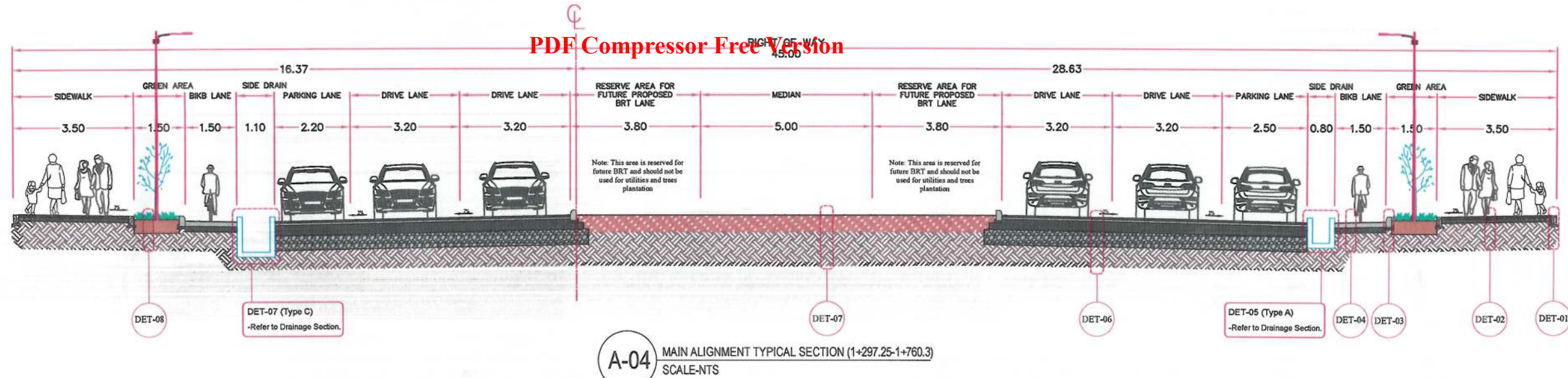
Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

TYPICALS

Draw by:	Signature:
Hakim Karimi	
Design by:	Signature:
Mohammad Essa Sirat	
Checked:	Signature:
Hasibullah Shalizi	
	Signature:
	Signature:
Date:	Scale:
19-Sep-23	
Status:	FINAL DESIGN
Project Code	
Drawing Number	Revision
T-01	



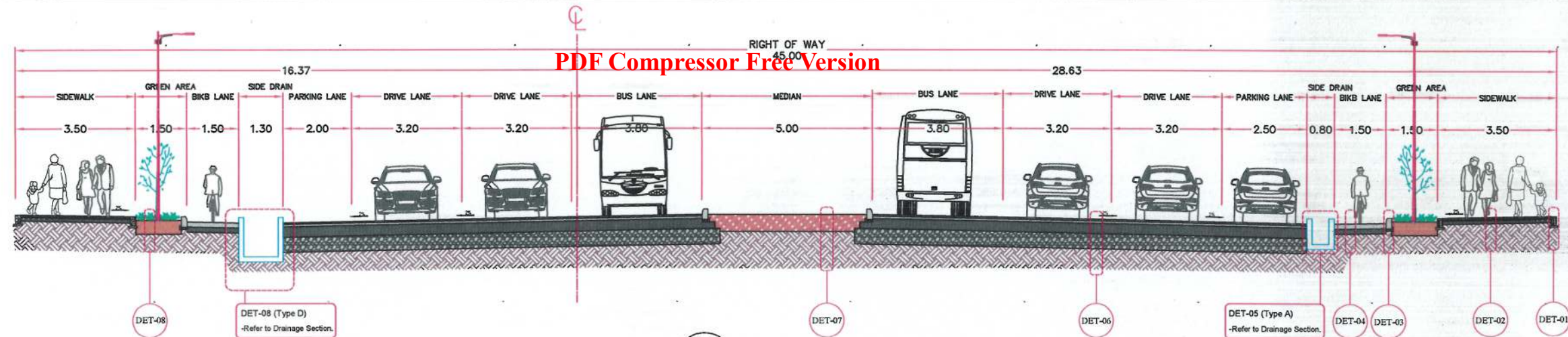
- General Notes:
1. All Dimensions are in Meters Unless Otherwise Indicated.
 2. The responsibility of the Department of Greenery to choose the type of tree to be planted in the median of the road.

LEGEND

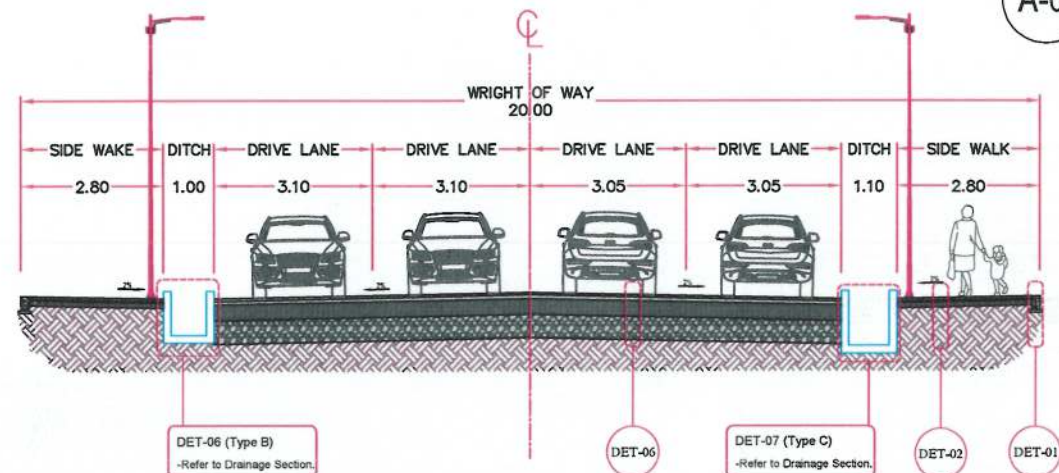
Center Line	
Surfaces Course	
Existing Sidewalk Surface	
Granular Material	
Natural Soil	
PCC Concrete	
Greenery	
Agriculture Soil	
Drainage	
Trees	
Lighting Pole	

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

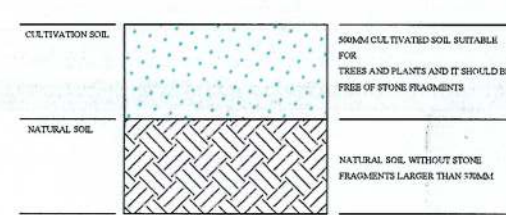
ISLAMIC AMIRATE OF AFGHANISTAN	
KABUL MUNICIPALITY	
Design Consultant:	
KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	
ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT	
Drawing Title:	
TYPICALS	
Draw by:	Signature:
Hakim Karimi	
Design by:	Signature:
Mohammad Essa Sirat	
Checked:	Signature:
Hasibullah Shalizi	
Date:	Scale:
18-Sep-23	
Status:	FINAL DESIGN
Project Code	
Drawing Number	Revision
T-02	



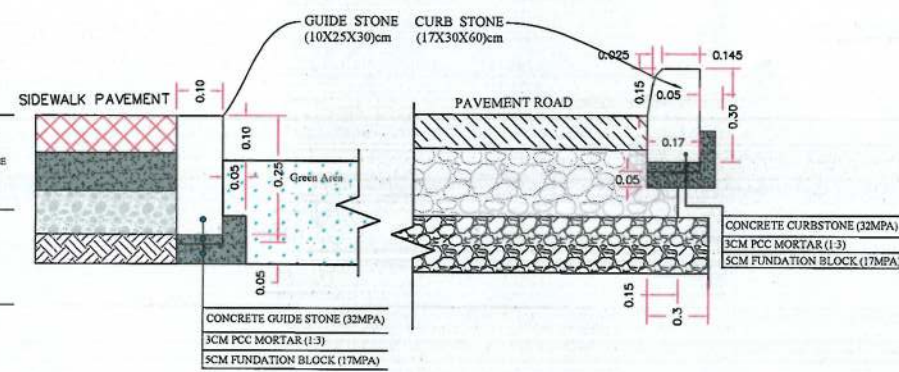
A-07 MAIN ALIGNMENT TYPICAL SECTION (3+695-3+845)
SCALE: NTS



Sub Alignment SUB ALIGNMENT TYPICAL SECTION (0+000 - 1+117.36)
SCALE: NTS

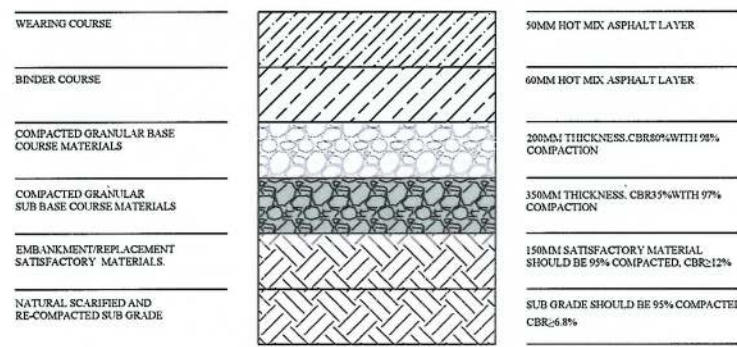


DET-07-08 GREEN AREA MATERIAL DETAIL
SCALE: NTS

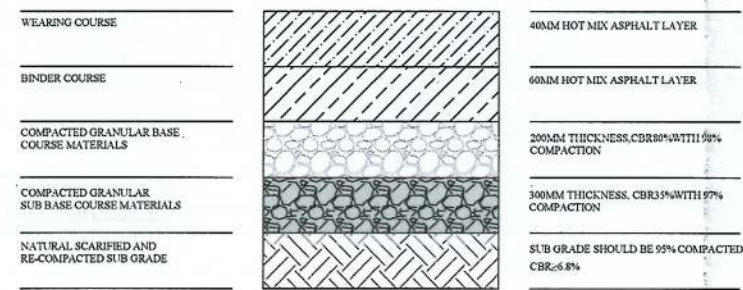


DET-01 GUIDE STONE DETAIL
SCALE: NTS

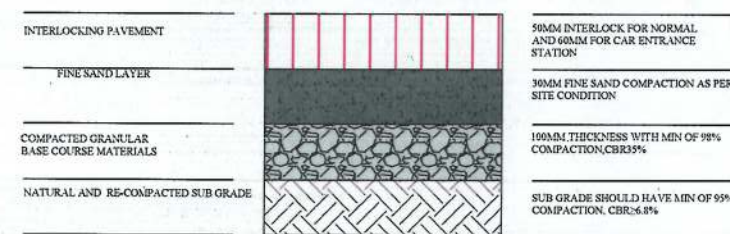
DET-03 CURB STONE DETAIL
SCALE: NTS



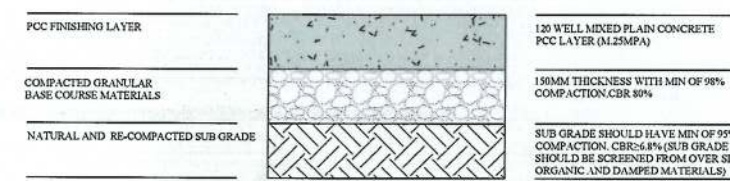
DET-06 MAIN ALIGNMENT MATERIAL SECTION
SCALE: NTS



DET-06 SUB ALIGNMENT MATERIAL SECTION
SCALE: NTS



DET-02 SIDEWALK MATERIAL DETAIL
SCALE: NTS



DET-04 BIKEWAY MATERIAL DETAIL & PEDESTRIAN IN MEDIAN OF ROAD
ACCORDING TO PEDESTRIAN CROSSING IN MARKING DESIGN.
SCALE: NTS

- General Notes:
1. All Dimensions are in Meters Unless Otherwise Indicated.
 2. The responsibility of the Department of Greenery to choose the type of tree to be planted in the median of the road.



LEGEND	
Center Line	---
Surfaces Course	▨
Existing Sidewalk Surface	▩
Granular Material	▧
Natural Soil	▦
PCC Concrete	▤
Greenery	▬
Agriculture Soil	▭
Drainage	▮
Trees	🌳
Lighting Pole	📶

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

TYPICALS

Draw by:	Signature:
Hakim Karimi	Signature:
Design by:	Signature:
Mohammad Essa Sirat	Signature:
Checked:	Signature:
Hasibullah Shalizi	Signature:
	Signature:
	Signature:

Date: 1-Oct-23 Scale:

Status: FINAL DESIGN

Project Code

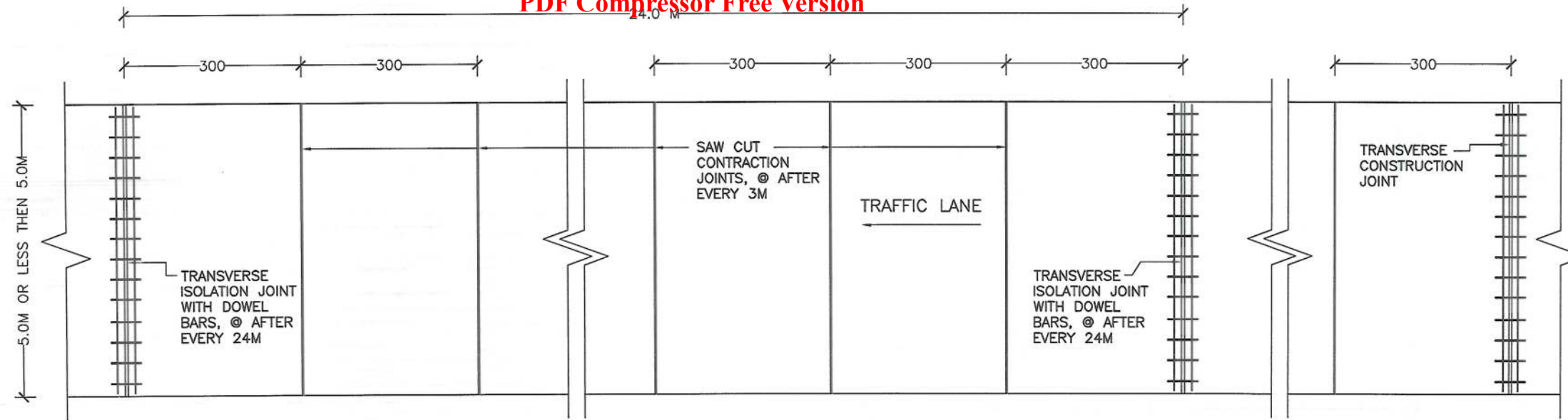
Drawing Number T-03 Revision

Note: 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.

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 97% 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.



NOTE: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS

01 BIKEWAY & LINK ROAD PLAN VIEW
SCALE- AS SHOWN



- General Notes:
1. All Dimensions are in Meters Unless Otherwise Indicated.
 2. The responsibility of the Department of Greenery to choose the type of tree to be planted in the median of the road.

LEGEND

Center Line	
Surfaces Course	
Existing Sidewalk Surface	
Granular Material	
Natural Soil	
PCC Concrete	
Greenery	
Agriculture Soil	
Drainage	
Trees	
Lighting Pole	

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN



KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

BIKEWAY & LINK ROAD PLAN

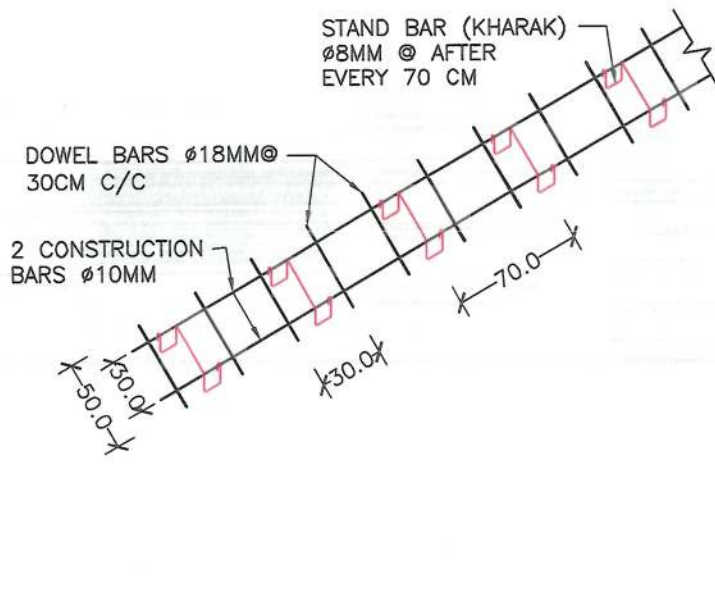
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Hakim Karimi	
Design by:	Signature:
Mohammad Essa Sirat	
Checked:	Signature:
Hasibullah Shalizi	
	Signature:
	Signature:

Date: 18-Sep-23 Scale:

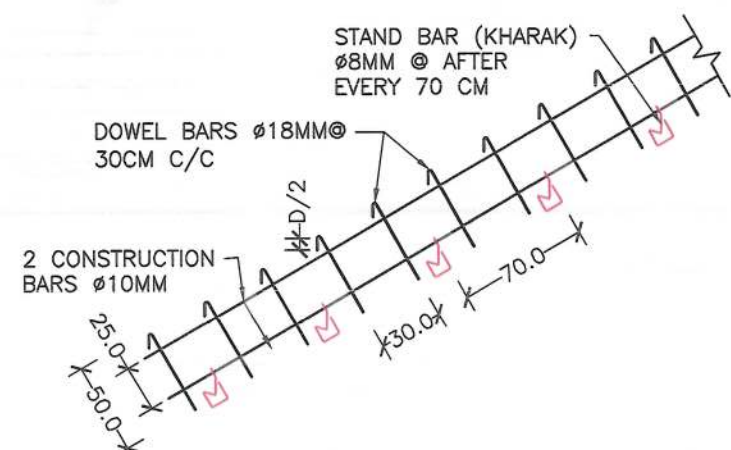
Status: FINAL DESIGN

Project Code

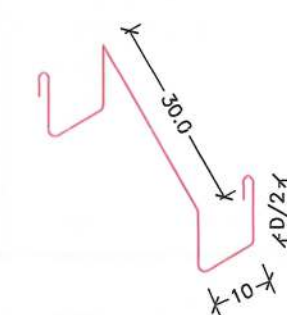
Drawing Number T-04 Revision



02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN

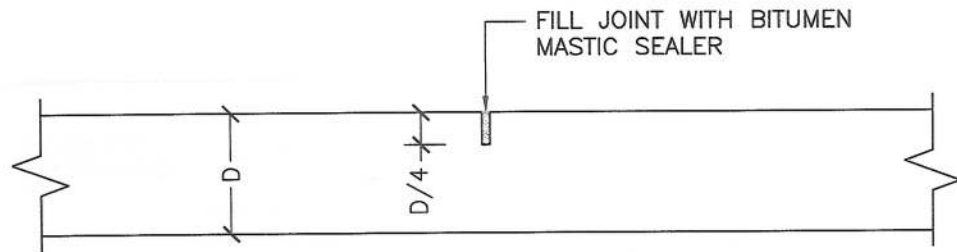


04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN



05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

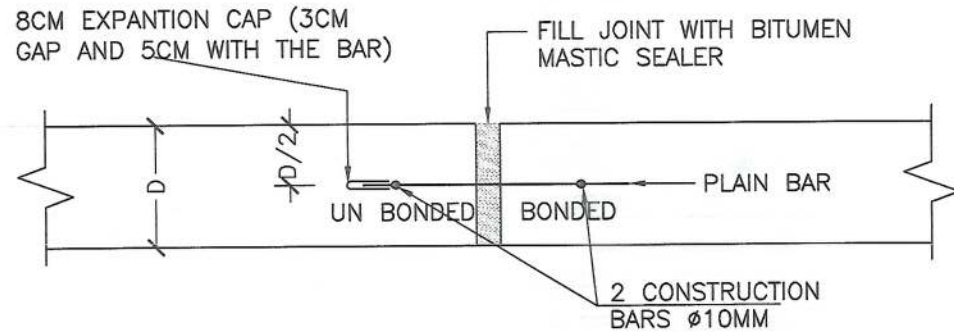
- NOTE:
- 1) FOR MORE DETAILS PLEASE SEE PCC PAVEMENT JOINTS SECTION DETAILS.
 - 2) TRANSVERSE JOINTS LENGTH MUST BE ACCORDING TO PAVEMENT CROSS WIDTH.
 - 3) REMOVE WOODEN PANEL, ONE SIDE CONSTRUCTION BAR AND STAND (KHARAK) FROM CONSTRUCTION JOINT.
 - 4) ALL UNITS ARE IN CM.



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

NOTE-1:

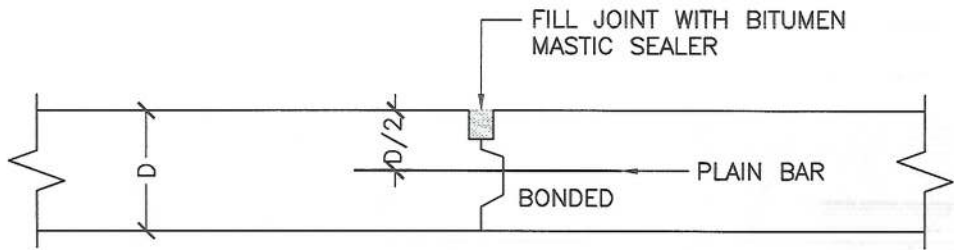
- 1) FORM JOINTS BY SAW CUTTING
- 2) SPACING OF CONTRACTION JOINTS @ AFTER EVERY 3 METER
- 3) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS
- 4) JOINT WIDTH = 0.5-1.0 CM



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 Ø18MM, @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,



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 Ø18MM, @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 BERCEUSE' OF SOME.
- 4) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS.
- 5) JOINT WIDTH = 3MM-6MM

General Notes:
1. All Dimensions are In Meters Unless Otherwise Indicated.
2. The responsibility of the Department of Greenery to choose the type of tree to be planted in the median of the road.

LEGEND	
Center Line	---
Surfaces Course	▨
Existing Sidewalk Surface	▤
Granular Material	▧
Natural Soil	▩
PCC Concrete	▪
Greenery	▬
Agriculture Soil	▭
Drainage	▮
Trees	▯
Lighting Pole	▰

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN

KABUL
MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING
ROAD PROJECT

Drawing Title:

BIKEWAY & LINK ROAD PLAN

Draw by:	Signature:
Hakim Karimi	Signature:
Design by:	Signature:
Mohammad Essa Sirat	Signature:
Checked:	Signature:
Hasibullah Shalizi	Signature:
	Signature:
	Signature:
Date:	Scale:
18-Sep-23	

Status: FINAL DESIGN

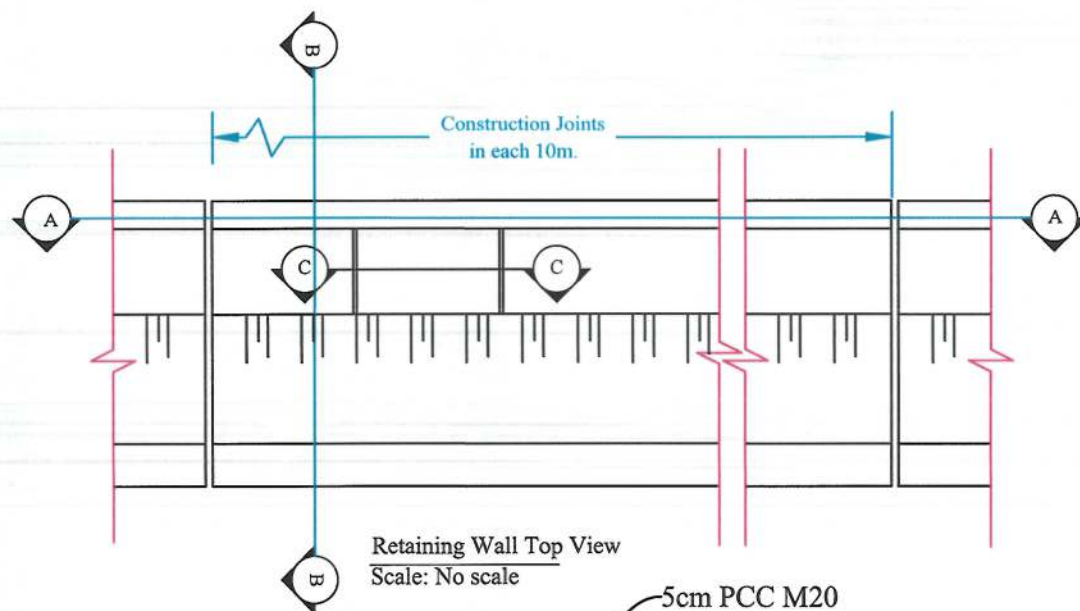
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Drawing Number
T-05

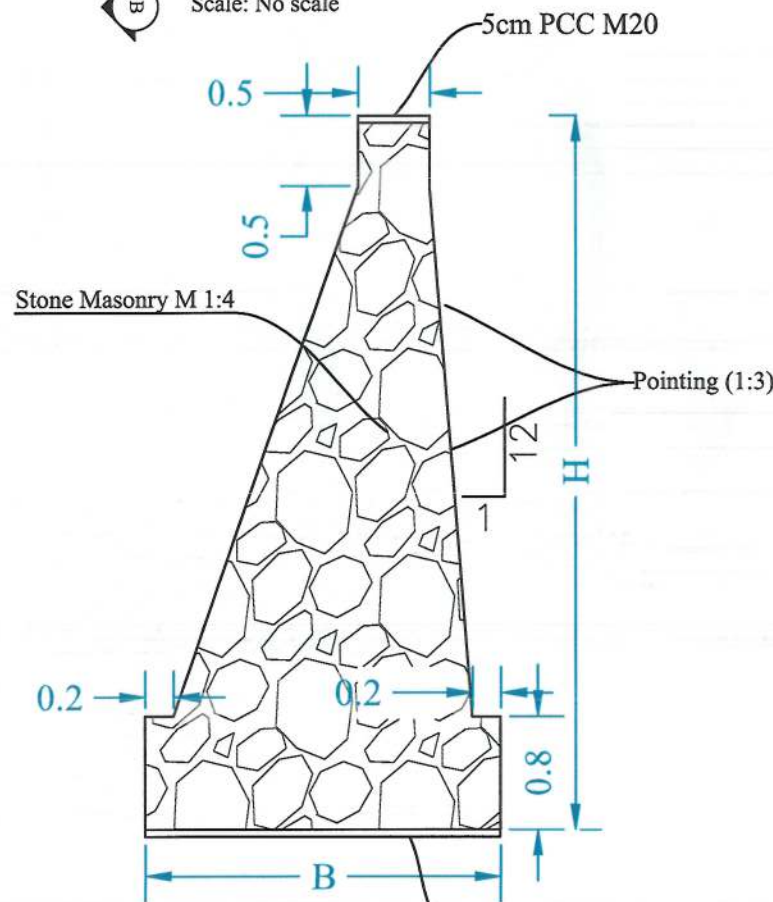
Revision



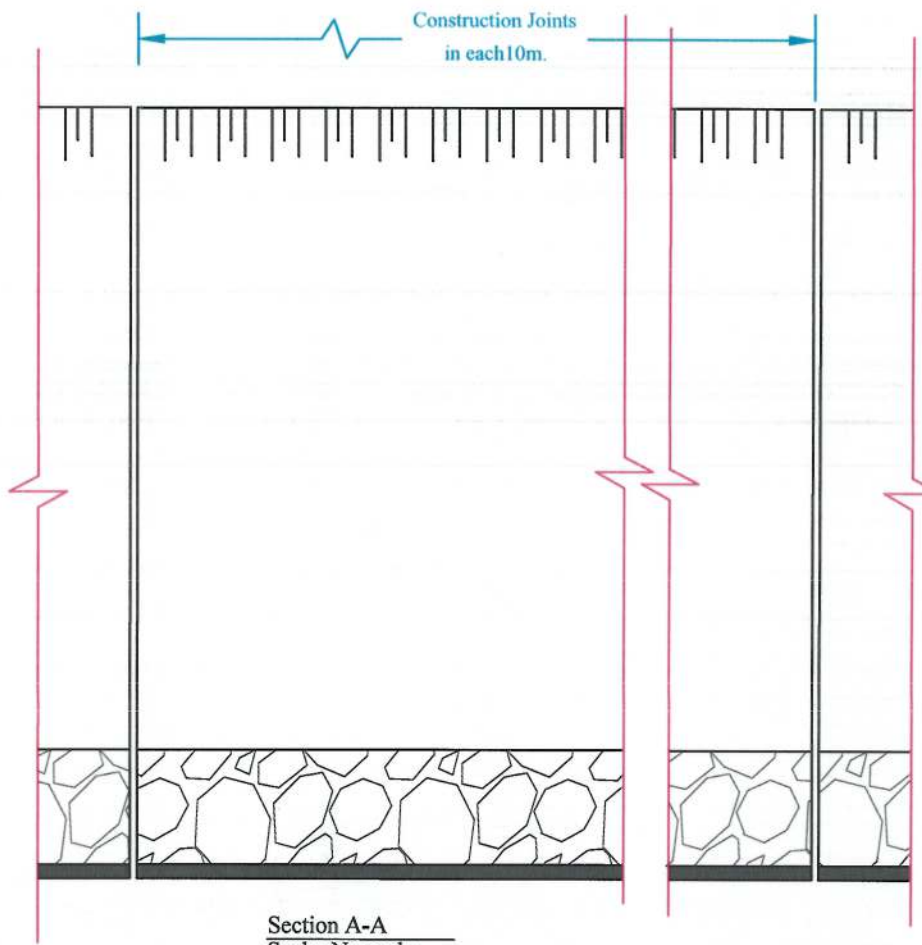
RETAINING WALL



Retaining Wall Top View
Scale: No scale

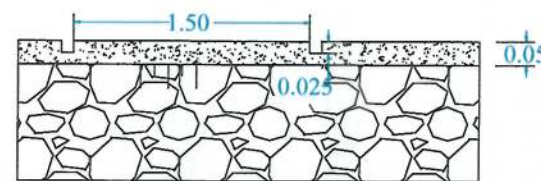


Section B-B
Scale: No scale



Section A-A
Scale: No scale

wall dimensions		
Station	H	B (m)
2+150 to 2+202.5 and 2+420 to 2+560	Most follow the design profile	1.70
2+202.5 to 2+420		2.50



Section C-C (Wall Copping Detail)
Scale: No scale

NOTE #1:

- STONE MASONRY WALLS:
- SOUND DURABLE ROCK THAT IS NATIVE TO THE VICINITY OF THE WORK SHALL BE FURNISHED.
 - DIMENSIONED MASONRY ROCK FREE FROM REEDS, RIFTS, SEAMS, LAMINATIONS AND MINERALS THAT MAY CAUSED DISCOLORATION OR DETERIORATIONS FROM WEATHERING SHALL BE USED.
 - ROCK WITH DEPRESSIONS OR PROJECTIONS THAT MIGHT WEAKEN IT OR PREVENT FROM BEING PROPERLY BEDDED SHALL NOT BE USED.
 - ROCK FRAGMENTS WITH THE FOLLOWING MINIMUM DIMENSIONS SHALL BE FURNISHED:
 1. MINIMUM THICKNESS - 125MM
 2. MINIMUM WIDTH - 300MM OR 1 1/2 TIMES THE THICKNESS, WHICHEVER IS GREATER
 3. MINIMUM LENGTH - 1 1/2 TIMES THE WIDTH
 - AT LEAST 50 PERCENT OF THE TOTAL VOLUME OF MASONRY CONSIST OF ROCK WITH A VOLUME OF AT LEAST 0.03CUM.
 - THE WALLS NEED TO BE VERTICAL AND PLUMBED IN WITH A BAR LEVEL TO AVOID A TURNING MOMENT.
 - WATER NEEDS TO BE SPRAYED ONTO THE WALL FOR ONE (1) WEEK AFTER PLACEMENT TO ENSURE ADEQUATE CURING.

CEMENT MORTAR:

- MORTAR SHOULD BE PREPARED WITH SAND AND NOT GRAVEL. CEMENT MORTAR SHALL CONSIST OF A MIXTURE OF CEMENT AND SAND IN SPECIFIED PROPORTIONS GIVEN ON THE DRAWINGS. THE CEMENT AND SAND SHALL BE PROPORTIONED ONLY BY MIX RATIO (1:4) FOR STONE MASONRY AND FOR POINTING (1:3)

NOTE:



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:

Retaining wall detail

Designed by:	Signature:
Mohammad Essa Sirat	
Drawn by:	Signature:
Mohammad Essa Sirat	
Checked by:	Signature:
Hasibullah Shalizi	

Date: 9/26/2023

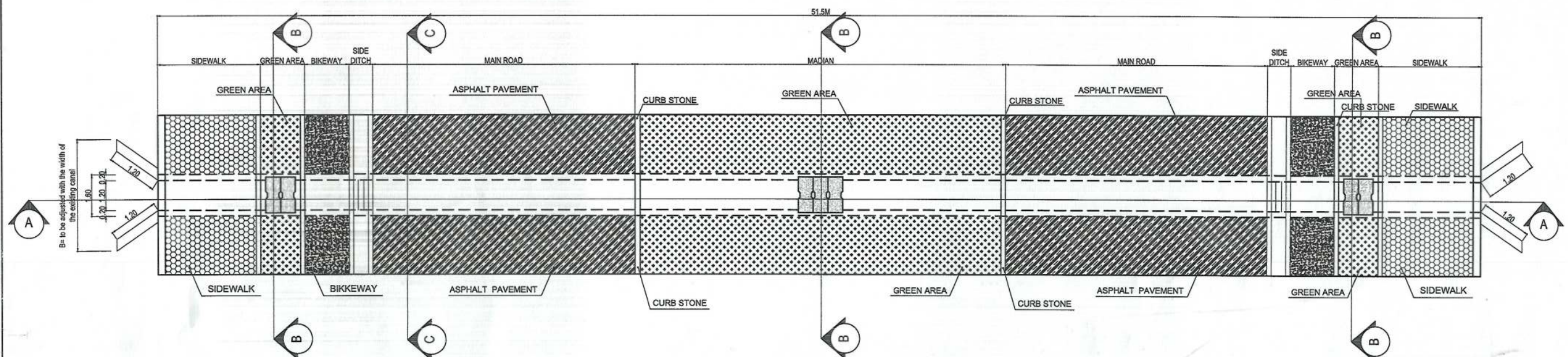
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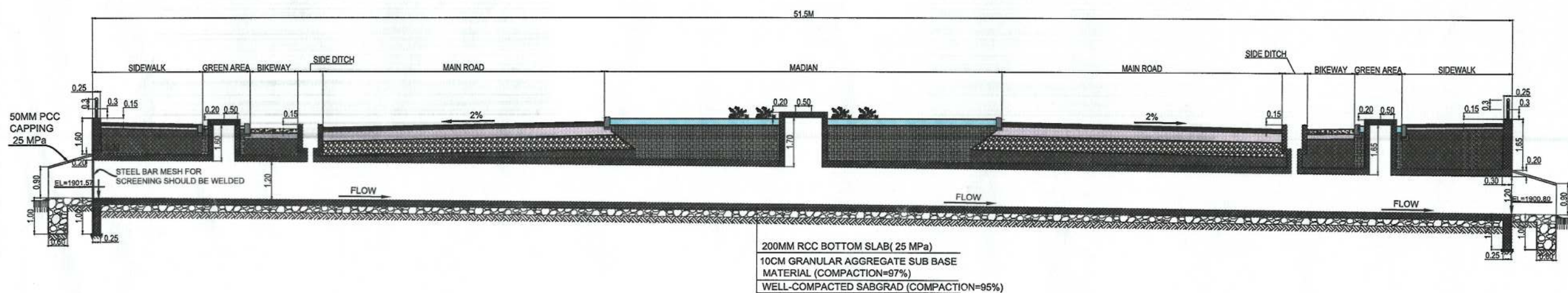
FINAL DESIGN

Project Code

Drawing Number	Revision
RWD-01	00



PLAN OF RCC SKEW CULVERT # 01 STATION (0+083)



SECTION A-A FROM RCC SKEW CULVERT # 01 STATION (0+083)

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

ISLAMIC EMIRAT OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 01 PLAN AND LONG SECTION

Drawn by:
Menhaju Rahman

Designed by:
Baz Mohammad Raji

Checked by:
Hasibullah Shalizi

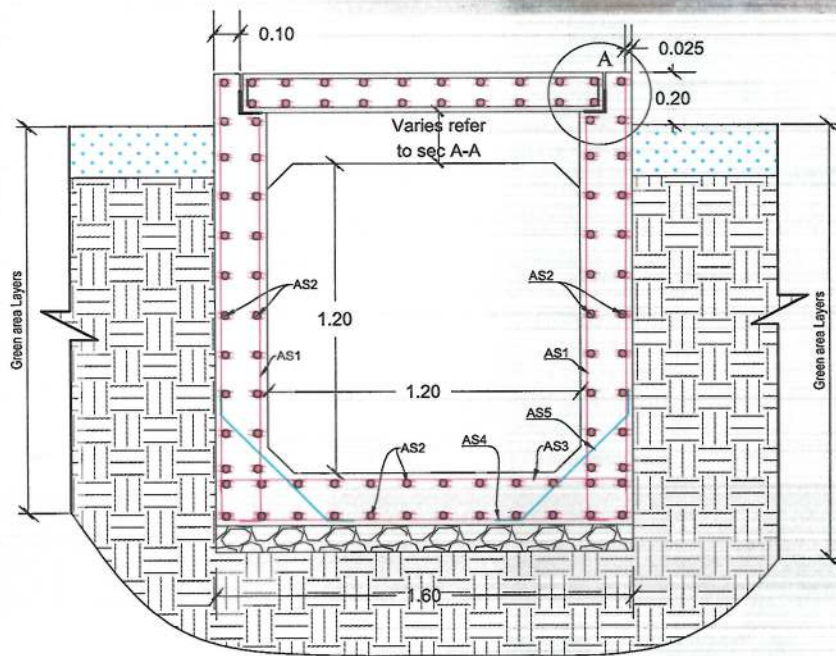
Date:
19-09-2023

Scale:
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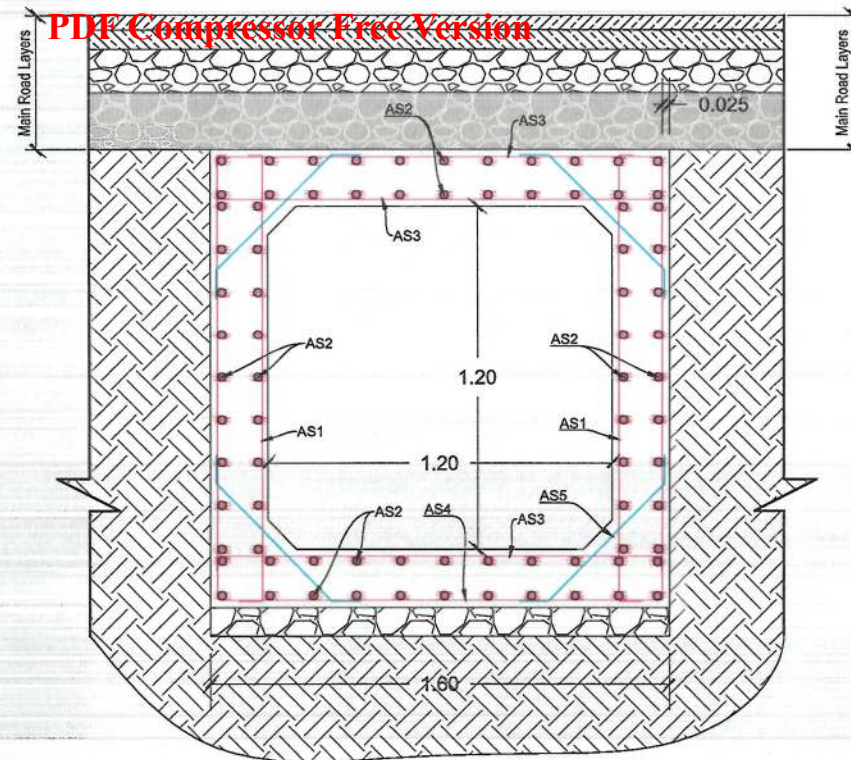
Status:
FINAL DESIGN

Project Code:
CUL# 01

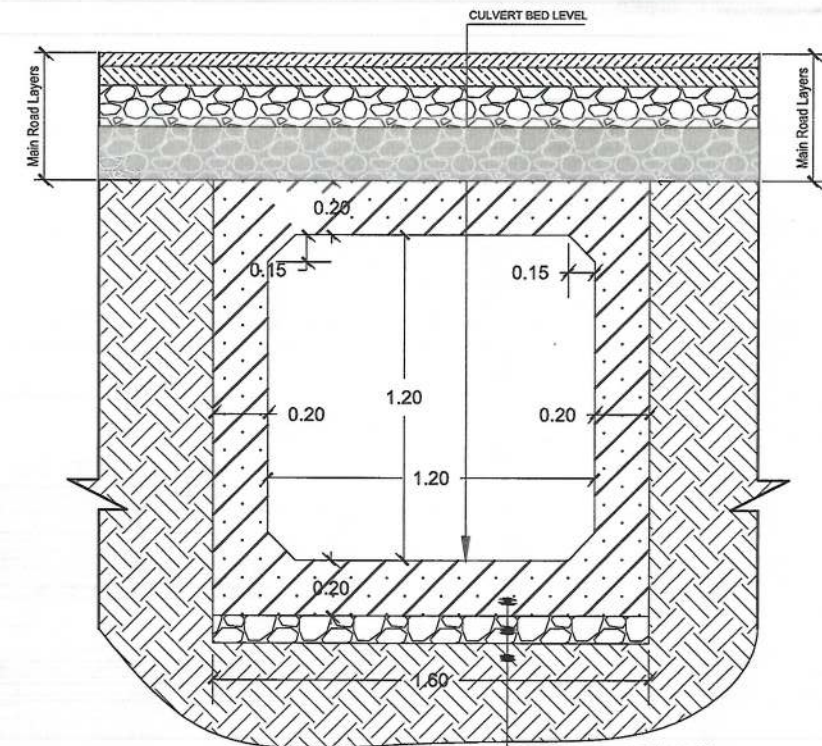
Drawing Number:
00



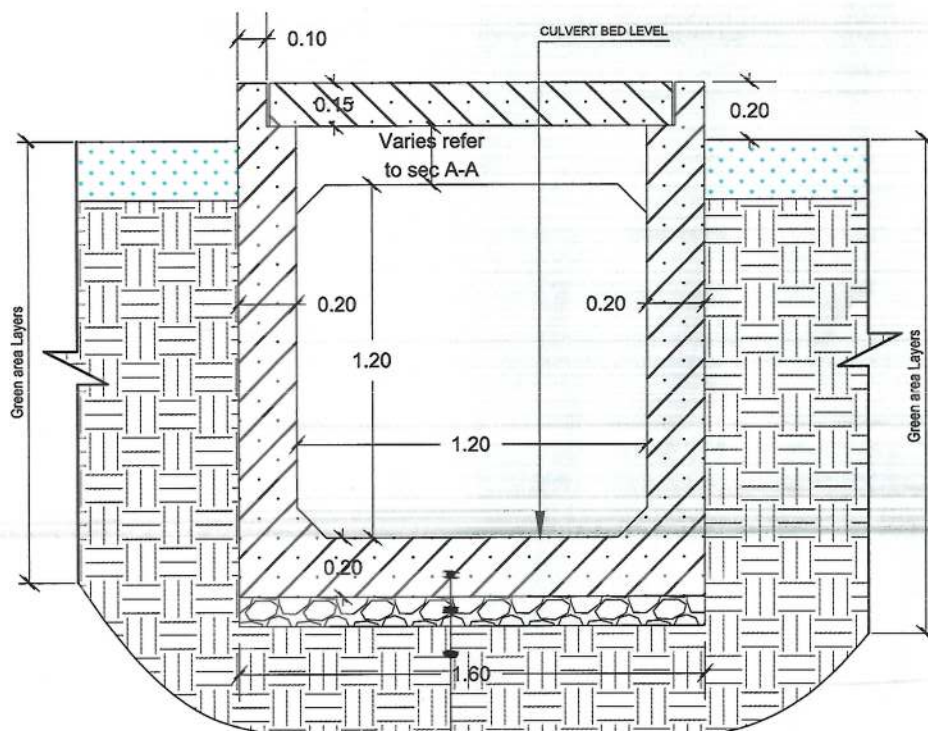
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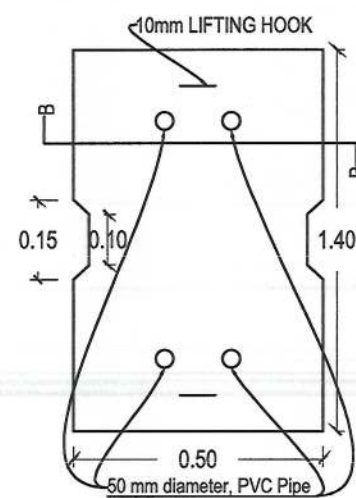
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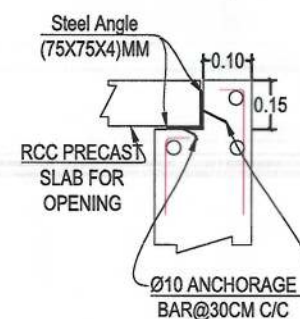
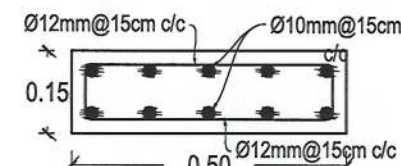
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS



DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



OPENING PRECAST SLAB



DETAIL A

CULVERT (1.2X1.2)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		12	250	

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



ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
**CULVERT # 01 SECTIONS AND
DETAILS**

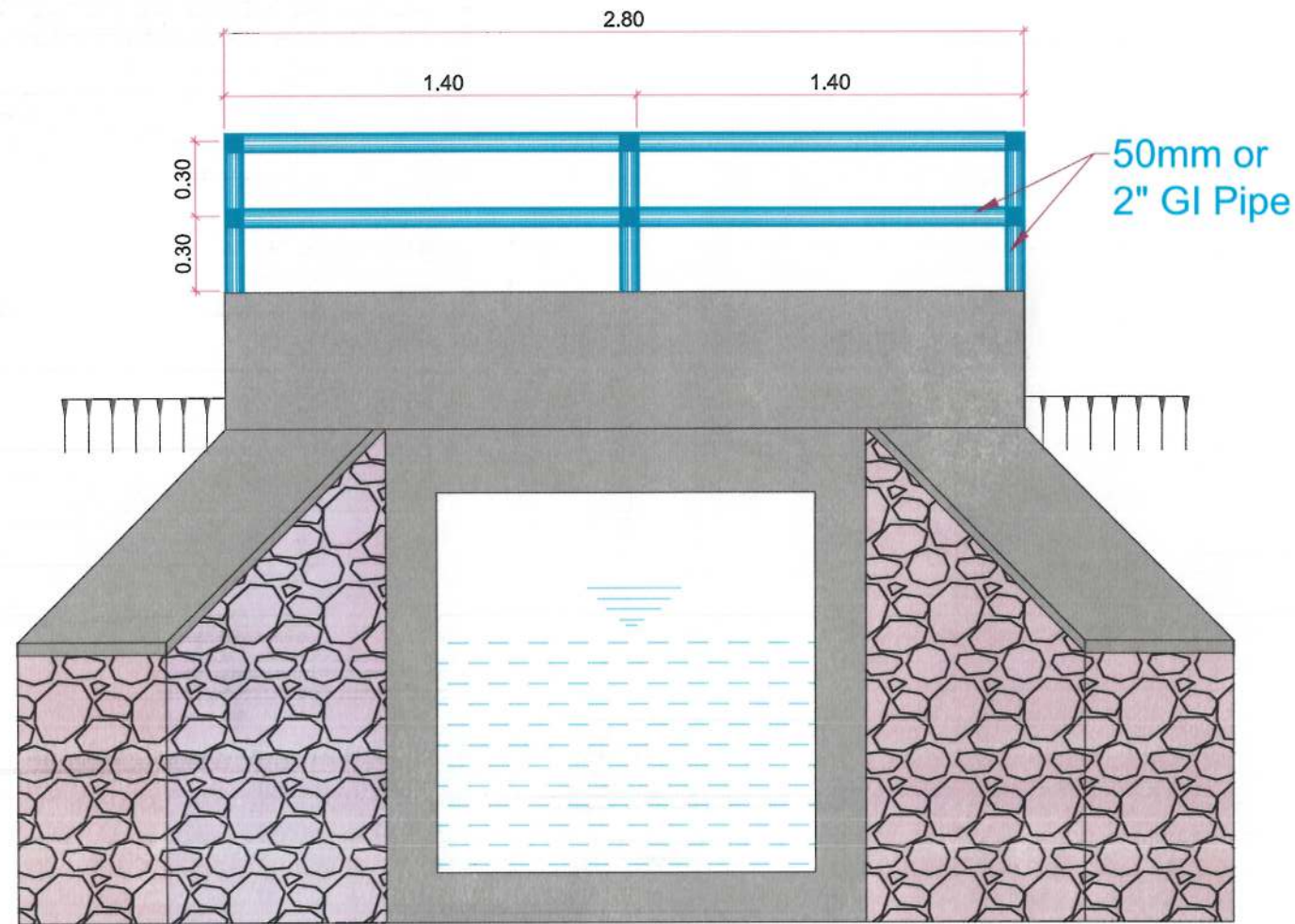
Drawn By: Menhaji Rahman
Designed By: Baz Mohammad Razi
Checked By: Hasibullah Shalizi
Signature:

Date: 19/09/2023
Scale:

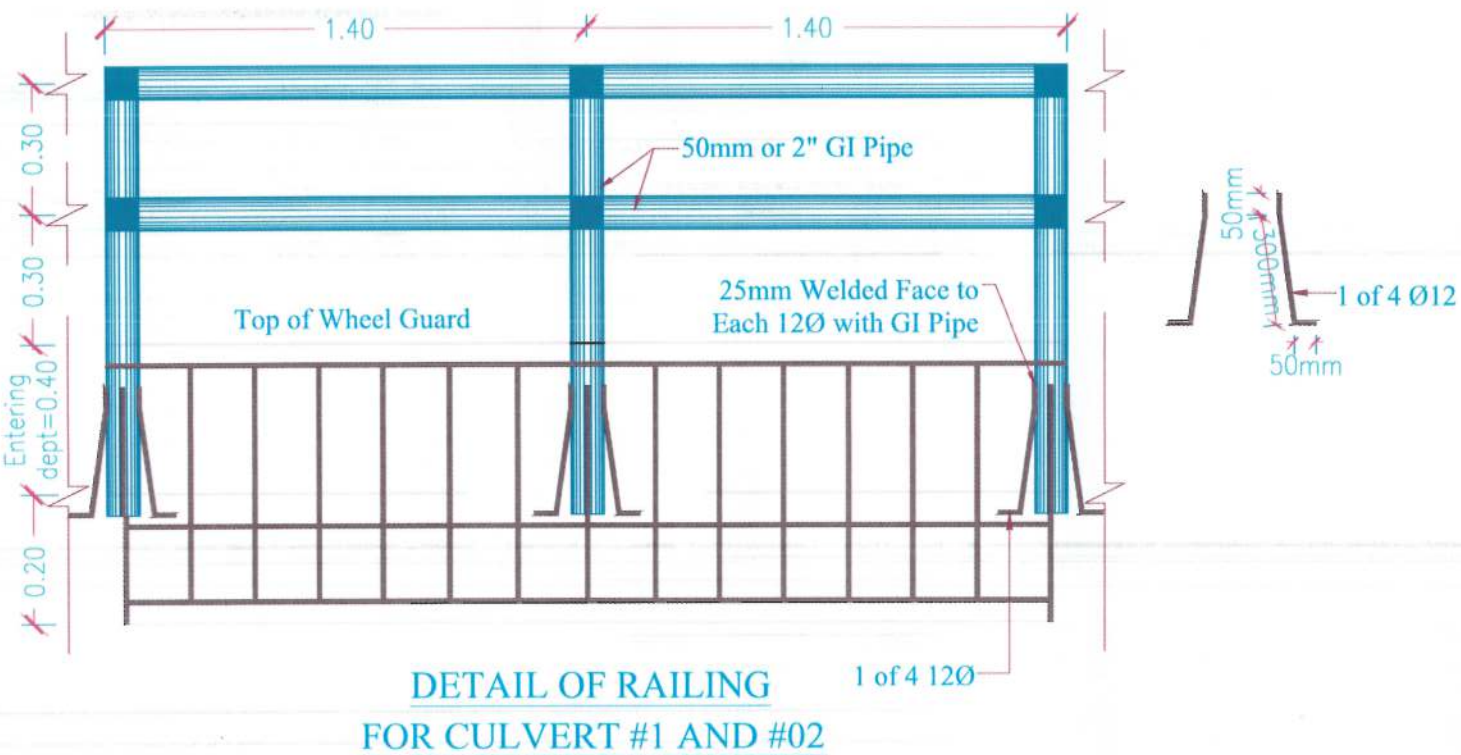
Status: **FINAL DESIGN**

Project Code

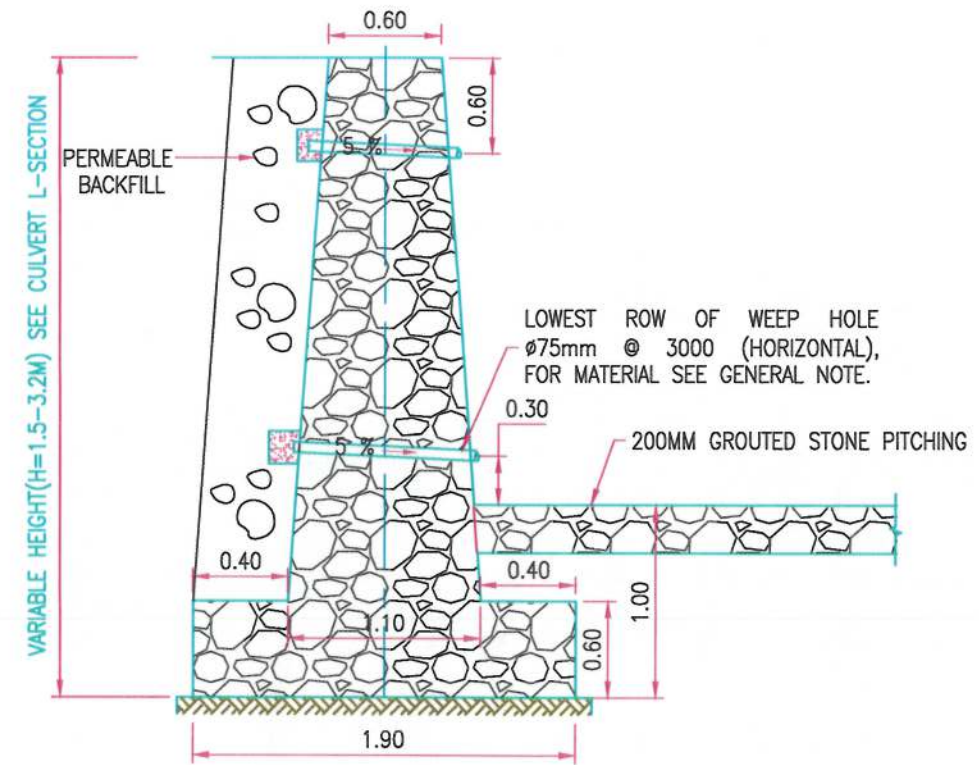
SHEET NO. CUL-DET-01
PAGE NO. 01



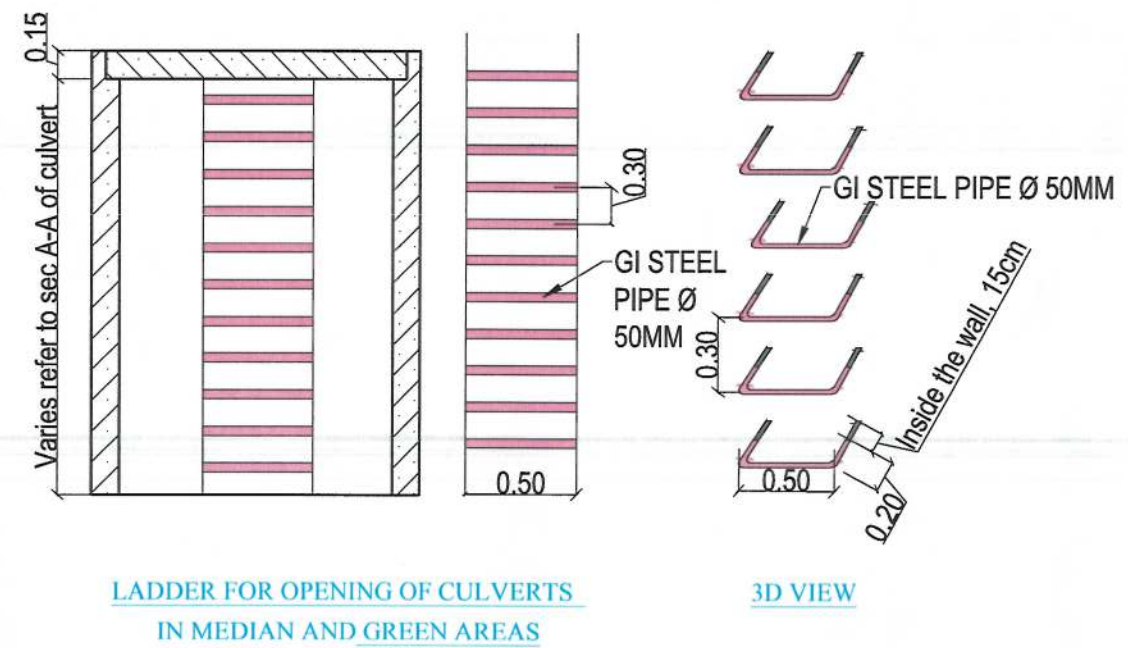
BOX CULVERT FRONT VIEW
SCALE 1:25



DETAIL OF RAILING
FOR CULVERT #1 AND #02



TYP. WING WALL SECTION VIEW
SCALE NTS



LADDER FOR OPENING OF CULVERTS
IN MEDIAN AND GREEN AREAS

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

Islamic Emirate of Afghanistan

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT#01 AND #02 DETAILS

Drawn By: Menhaju Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasebullah Shalizi
Reviewed By:

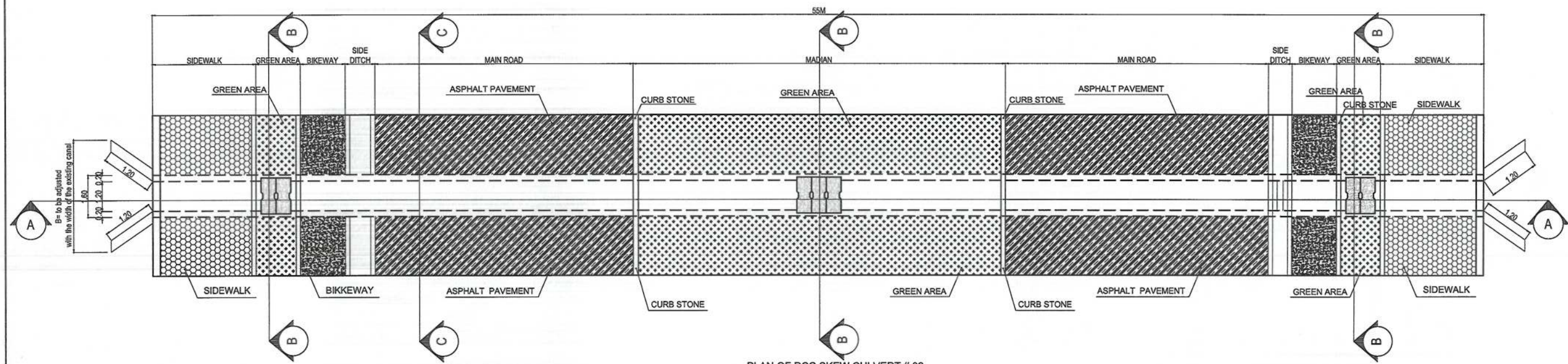
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Date: 19-09-2023
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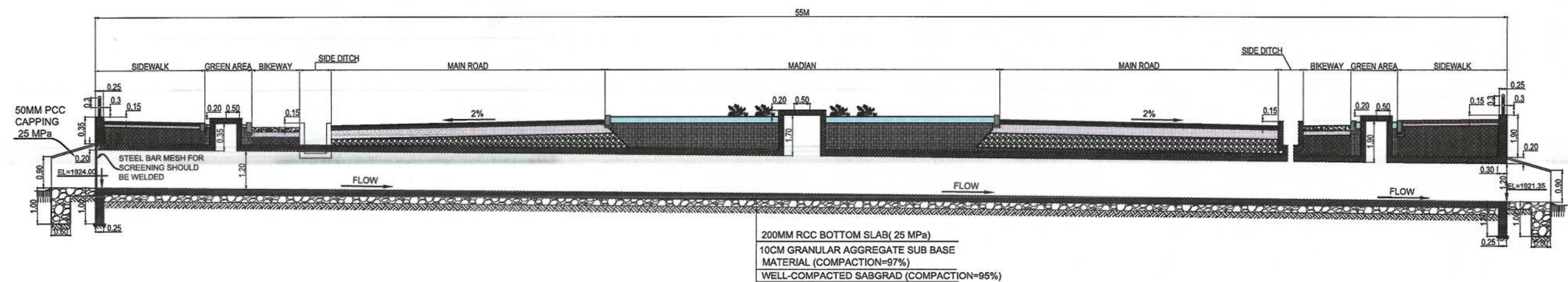
Status: FINAL DESIGN

Project Code:

Drawing Number: CULVERT#1 AND #02 DETAILS
Revision: 01



PLAN OF RCC SKEW CULVERT # 02
STATION (1+028)



SECTION A-A FROM RCC SKEW CULVERT # 02
STATION (1+028)

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRAT OF
AFGHANISTAN

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
**CULVERT # 02 PLAN AND
LONG SECTION**

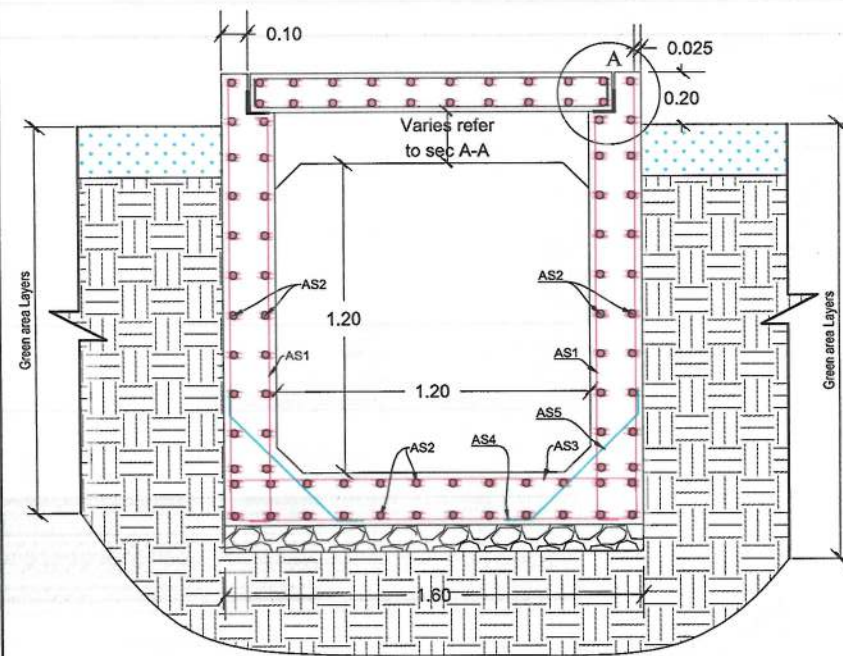
Drawn by:
Menhaji Rahman
Designed by:
Baz Mohammad Raji
Checked by:
Hasibullah Shalizi

Date:
19-09-2023
Scale:

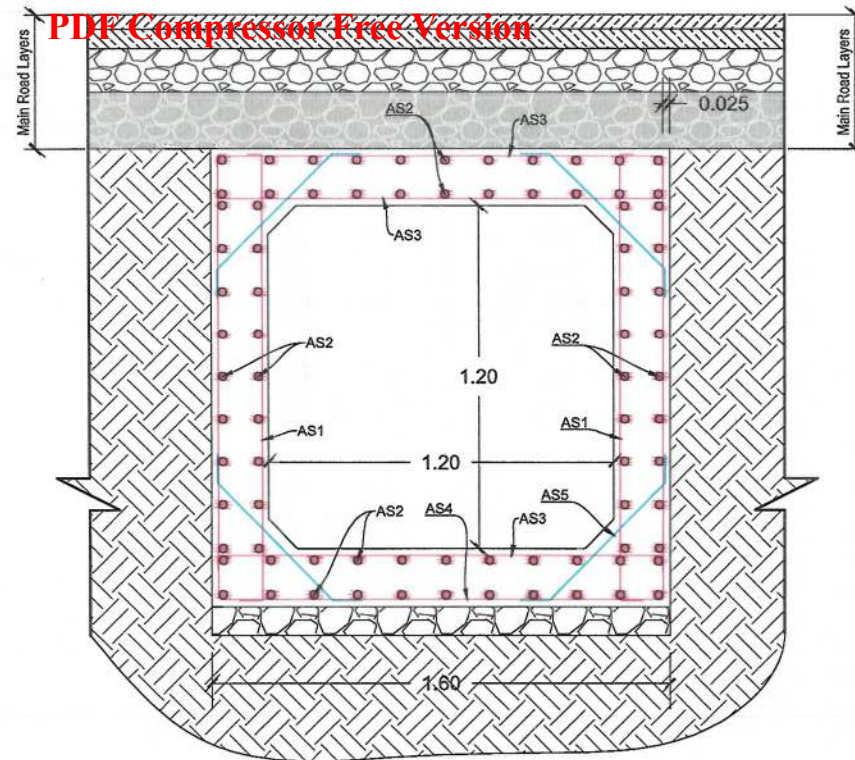
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FINAL DESIGN

Project Code

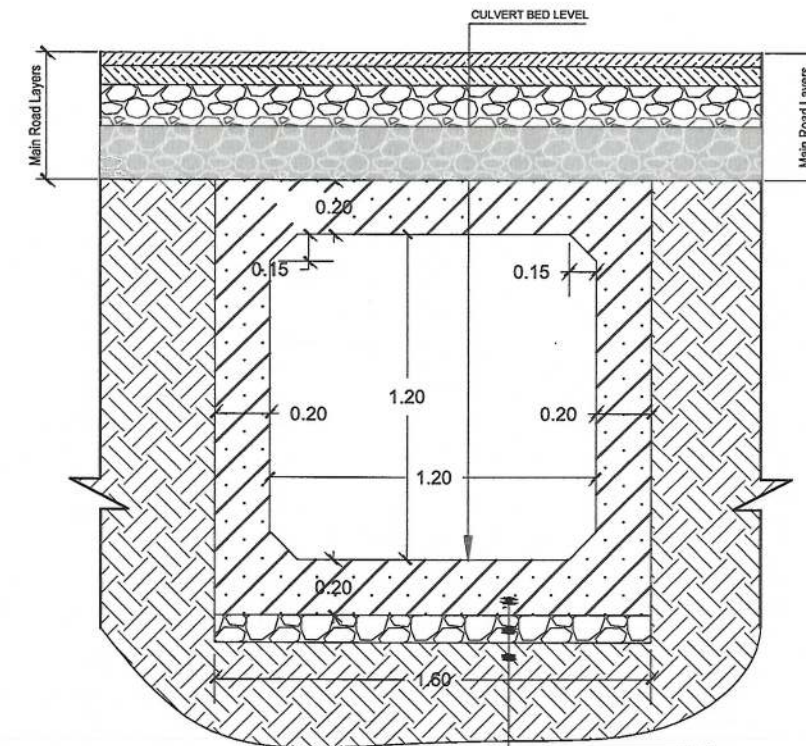
Drawing Number
CUL# 02
Revision
00



DET-CUL SECTION B-B, REINFORCEMENT DETAIL

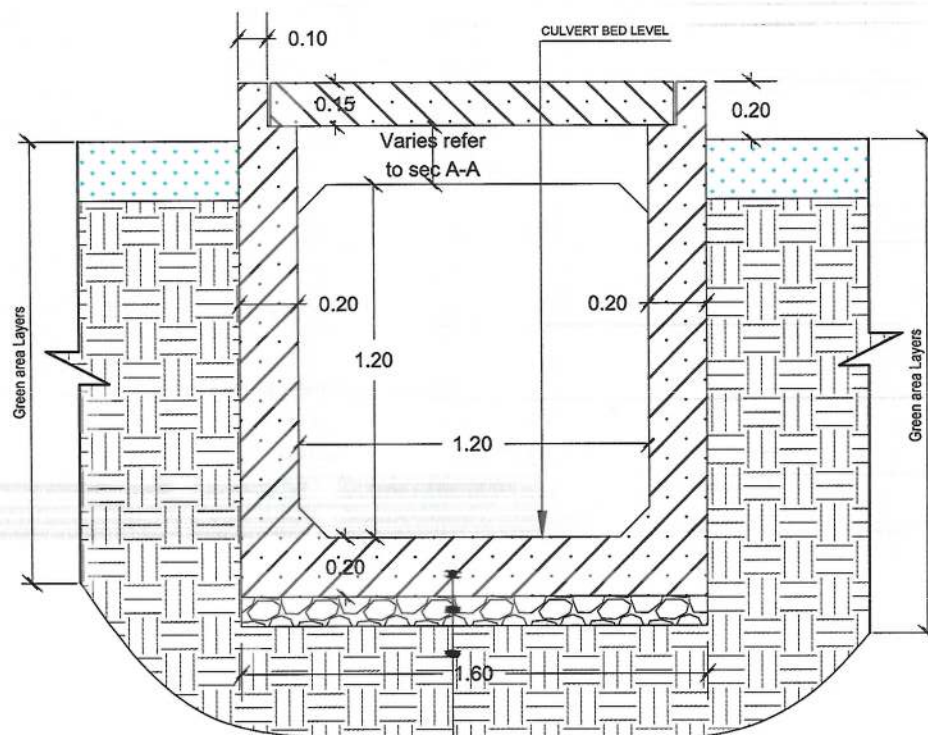


DET-CUL SECTION C-C, REINFORCEMENT DETAIL

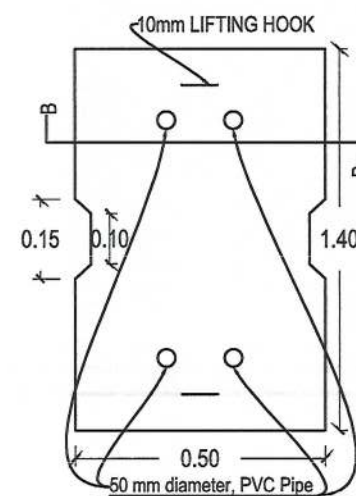


20CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)

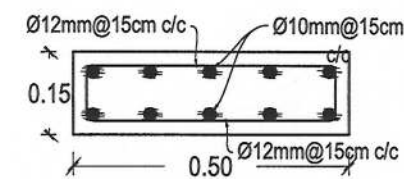
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS



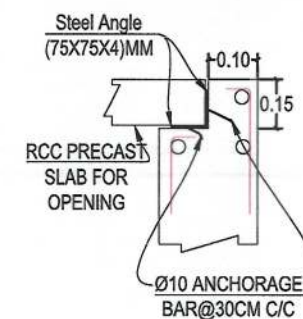
DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



OPENING PRECAST SLAB



SECTION (B-B)



DETAIL A

CULVERT (1.2X1.2)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		12	250	

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



ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 02 SECTIONS AND DETAILS

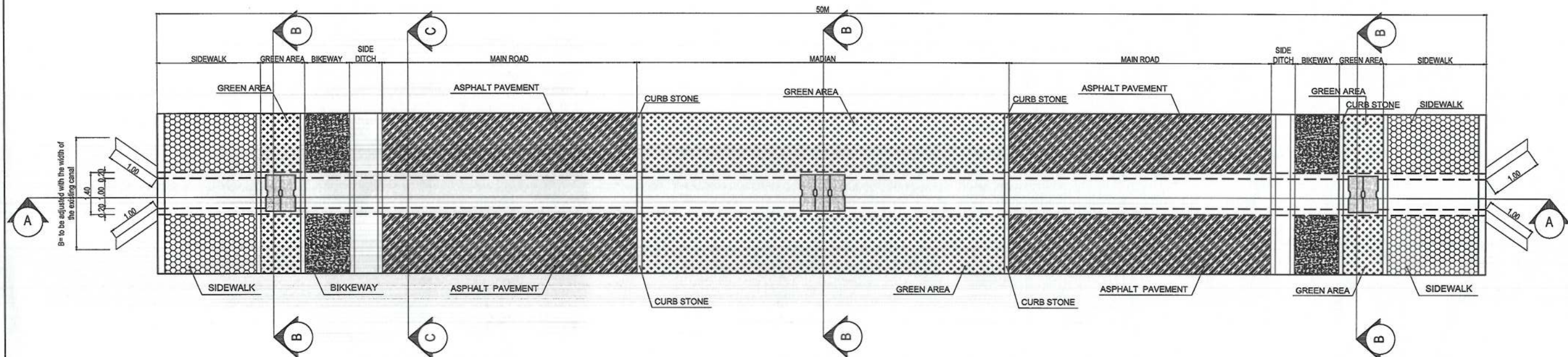
Drawn By: Menhaju Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023
Scale:

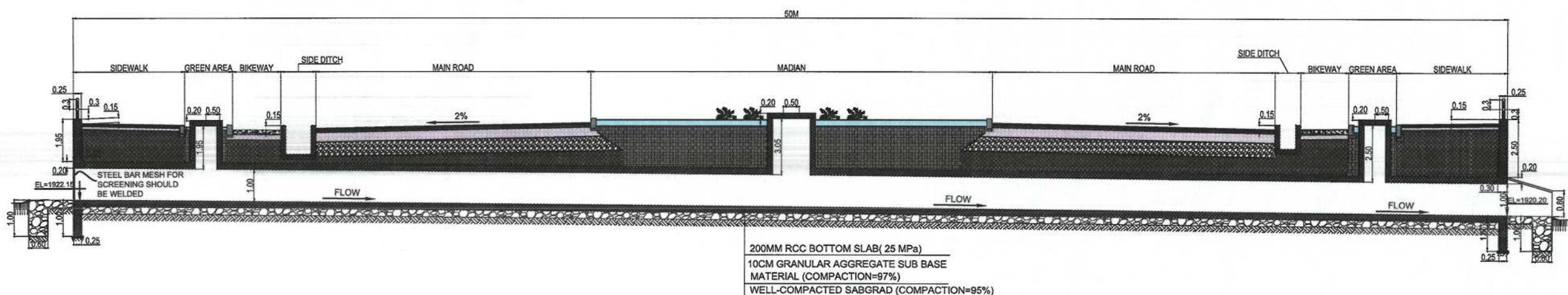
Status: FINAL DESIGN

Project Code

SHEET NO. CUL-DET-02
PAGE NO. 01



PLAN OF RCC SKEW CULVERT # 03 STATION (1+771)



SECTION A-A FROM RCC SKEW CULVERT # 03 STATION (1+771)

200MM RCC BOTTOM SLAB(25 MPa)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL (COMPACTION=97%)
WELL-COMPACTED SUBGRAD (COMPACTION=95%)

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

ISLAMIC EMIRAT OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 03 PLAN AND LONG SECTION

Drawn by:
Menhaju Rahman

Designed by:
Baz Mohammad Raji

Checked by:
Hasibullah Shalizi

Date:
19-09-2023

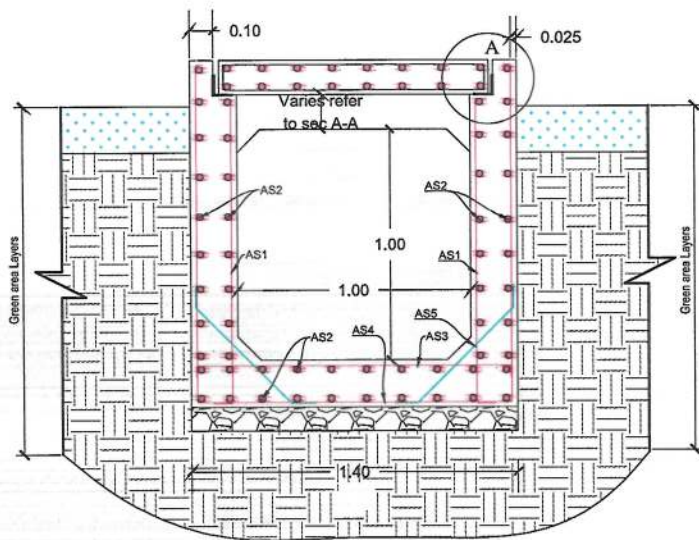
Scale:
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Status:
FINAL DESIGN

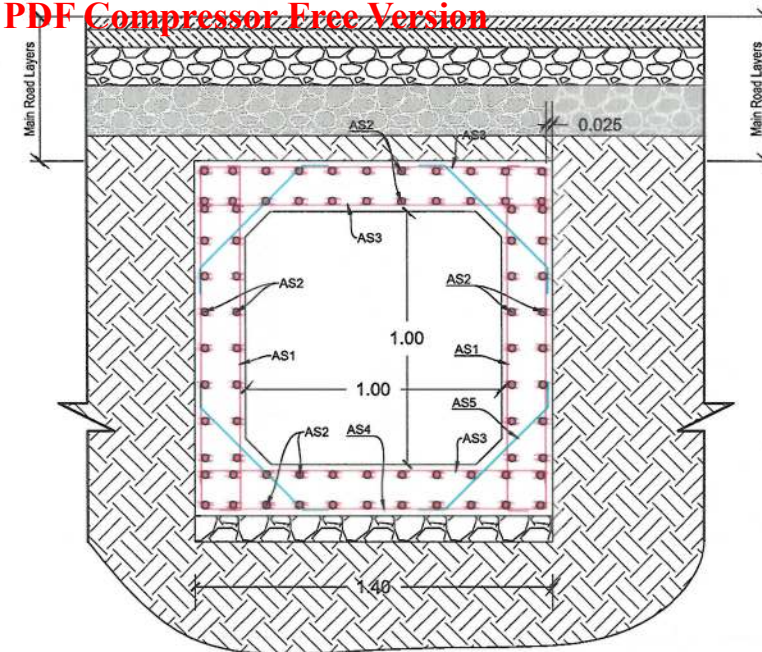
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CUL# 03

Drawing Number:
CUL# 03

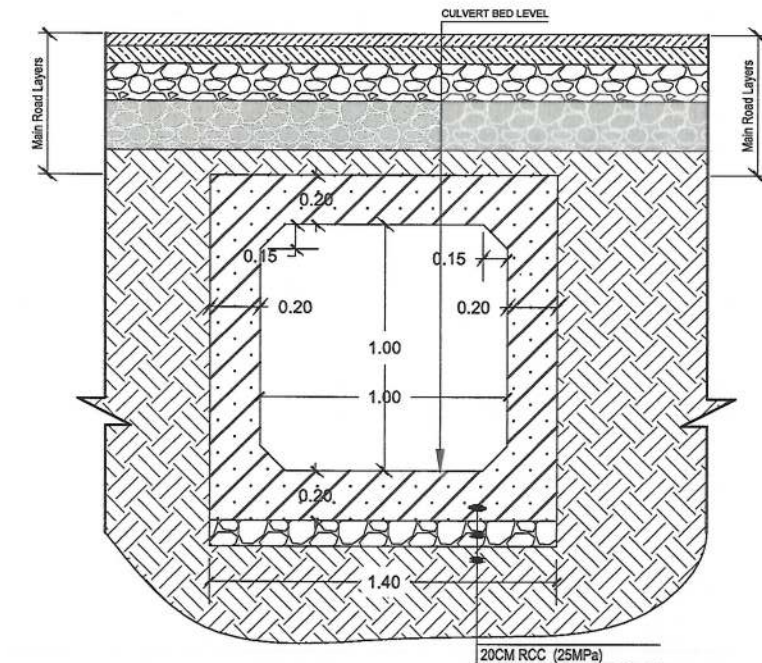
Revision:
00



DET-CUL SECTION B-B, REINFORCEMENT DETAIL

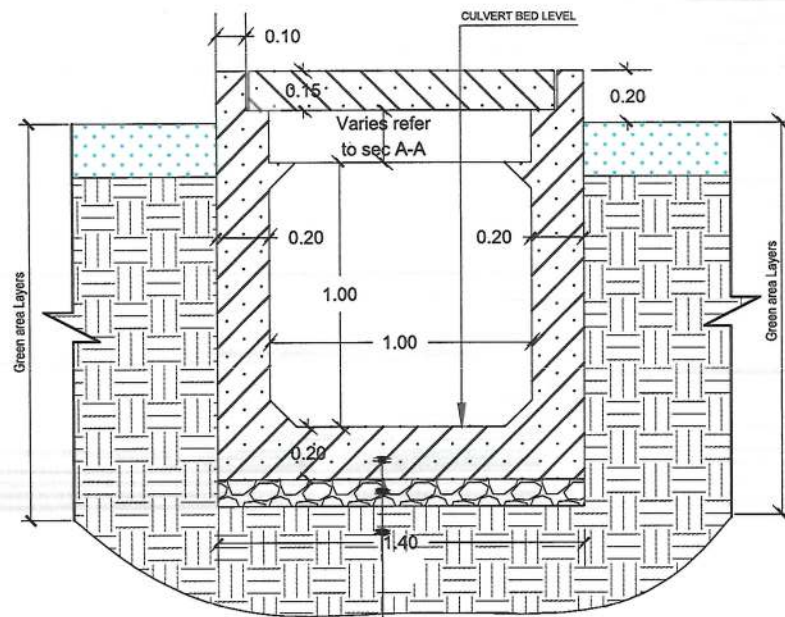


DET-CUL SECTION C-C, REINFORCEMENT DETAIL



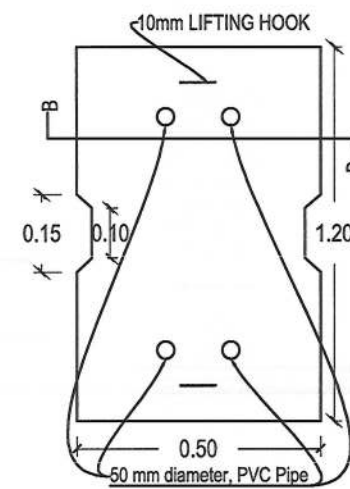
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS

20CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)

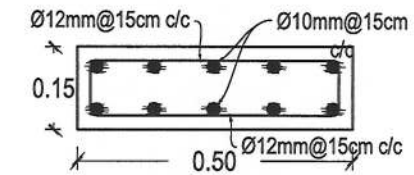


DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS

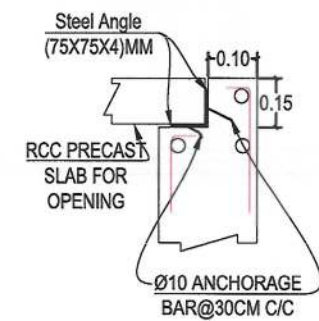
20CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)



OPENING PRECAST SLAB



SECTION (B-B)



DETAIL A

CULVERT (1X1)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		12	250	

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 03 SECTIONS AND DETAILS

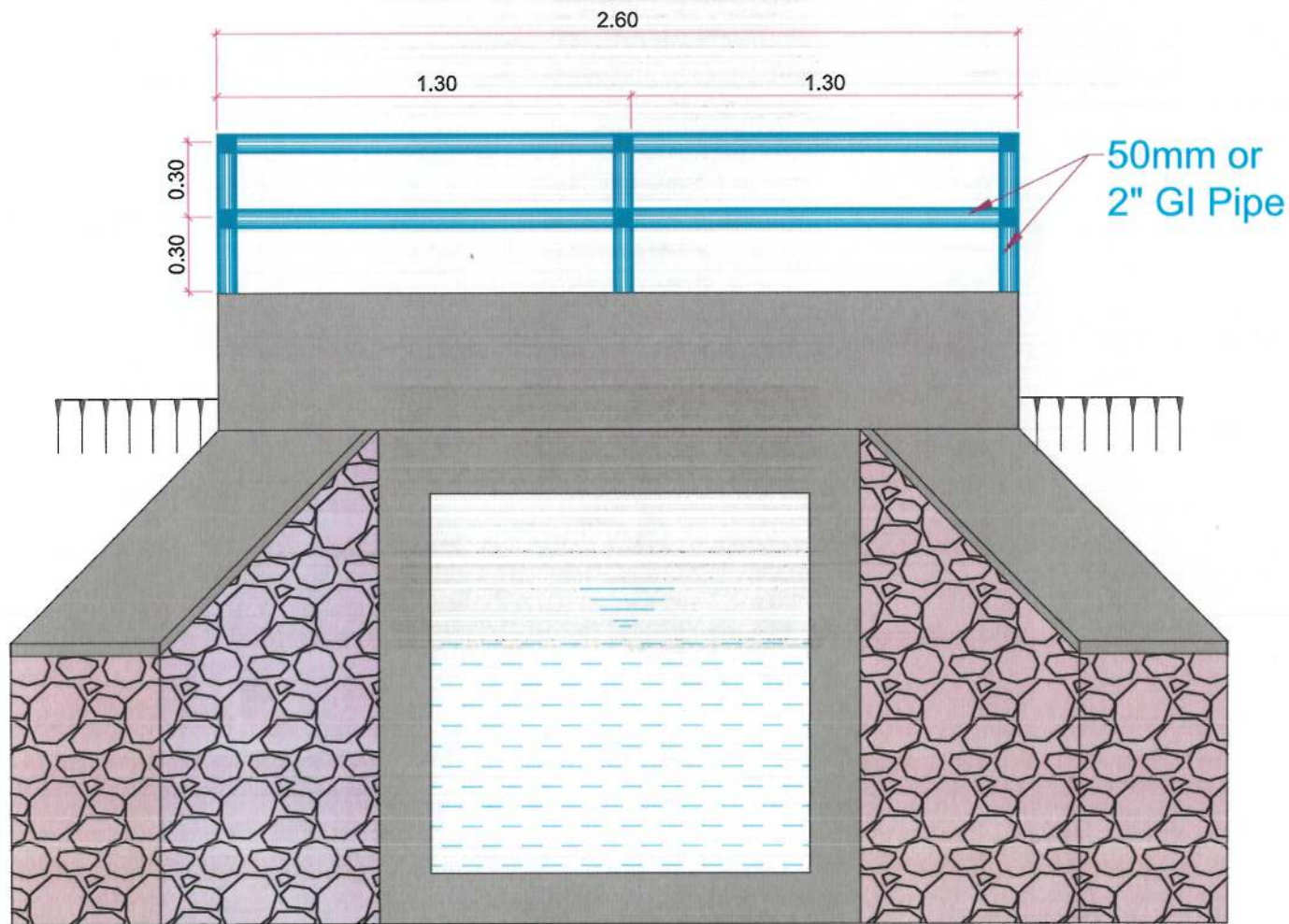
Drawn By: Menhaju Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023
Scale:

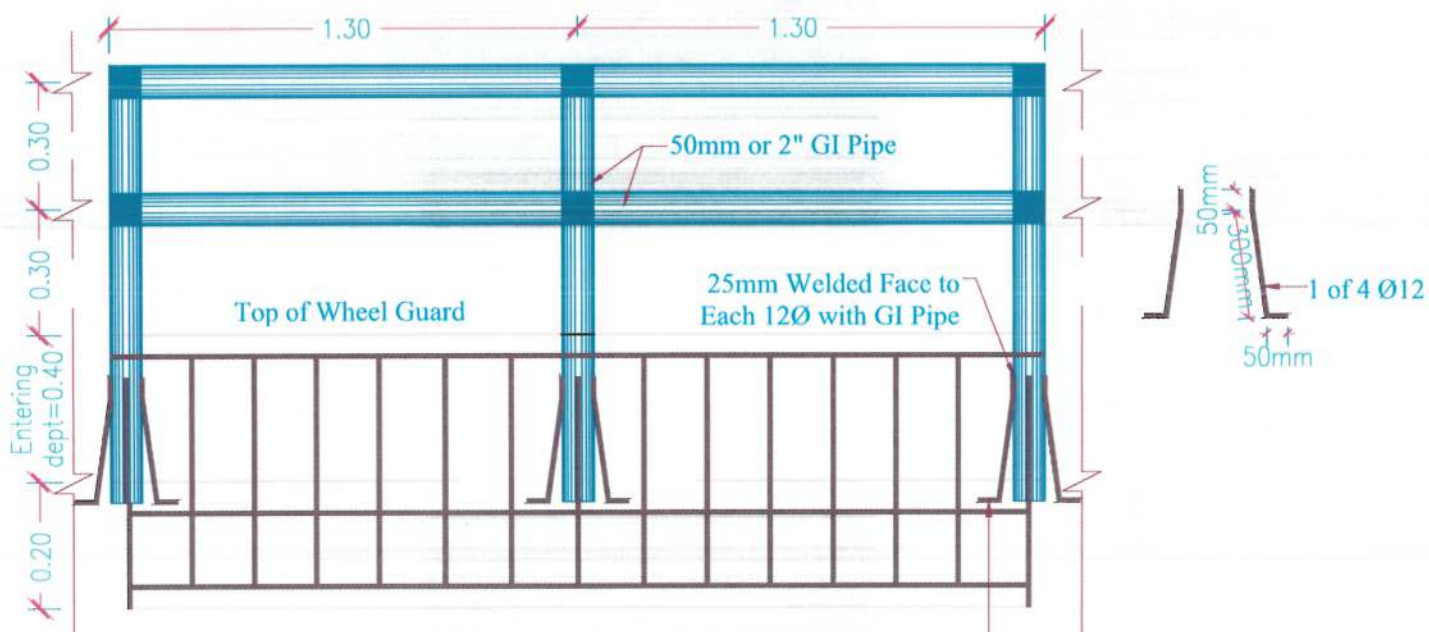
Status: FINAL DESIGN

Project Code

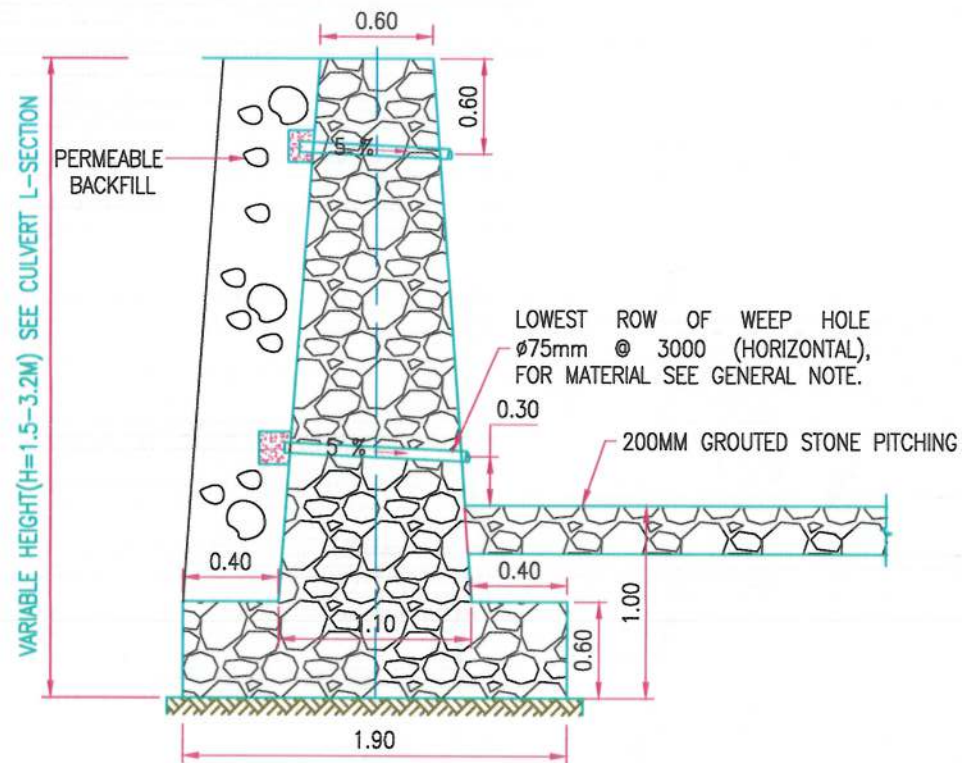
SHEET NO. CUL-DET-03
PAGE NO. 01



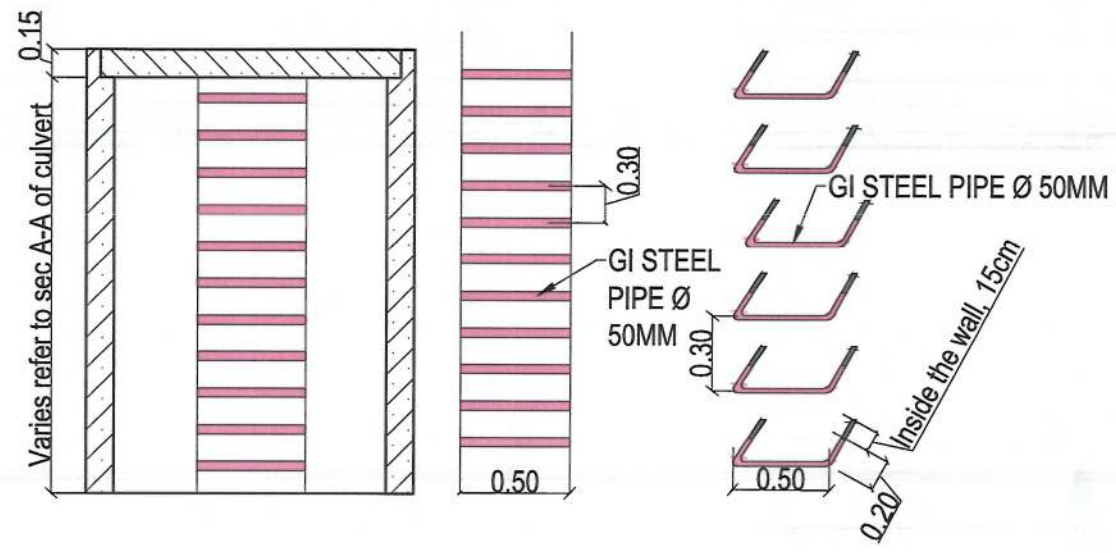
BOX CULVERT FRONT VIEW



DETAIL OF RAILING
FOR CULVERTS #03 AND #06



TYP. WING WALL SECTION VIEW
KM-S-10 SCALE NTS



LADDER FOR OPENING OF CULVERTS IN MEDIAN AND GREEN AREAS

3D VIEW

NOTE:

1. All dimensions are in m unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of
Afghanistan

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town connecting road project

Drawing Title:

CULVERTS #03 AND #06
DETAILS

Drawn By:

Designed: By

Checked: By

Hasibullah

Date:

19-09-2023

Status: **FINAL DESIGN**

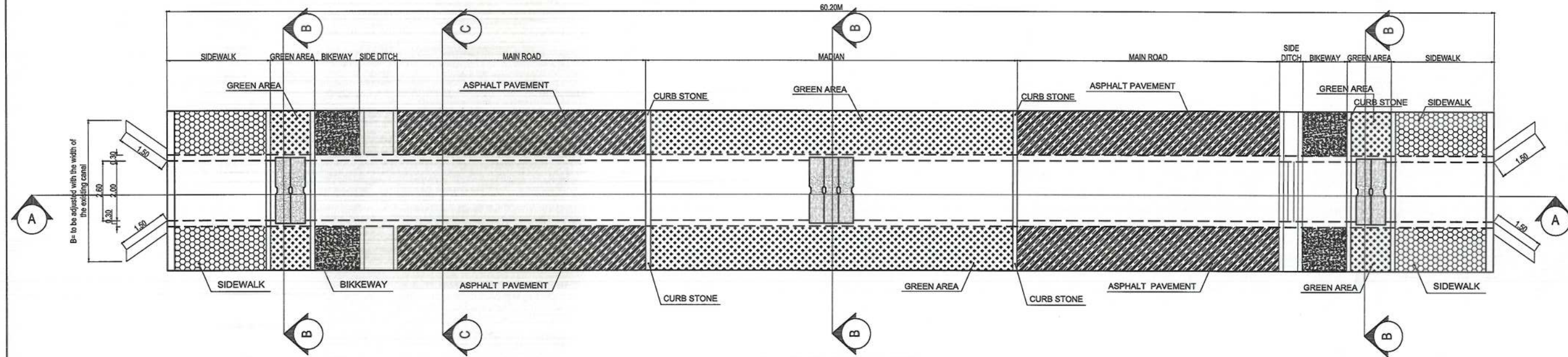
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Drawing Number

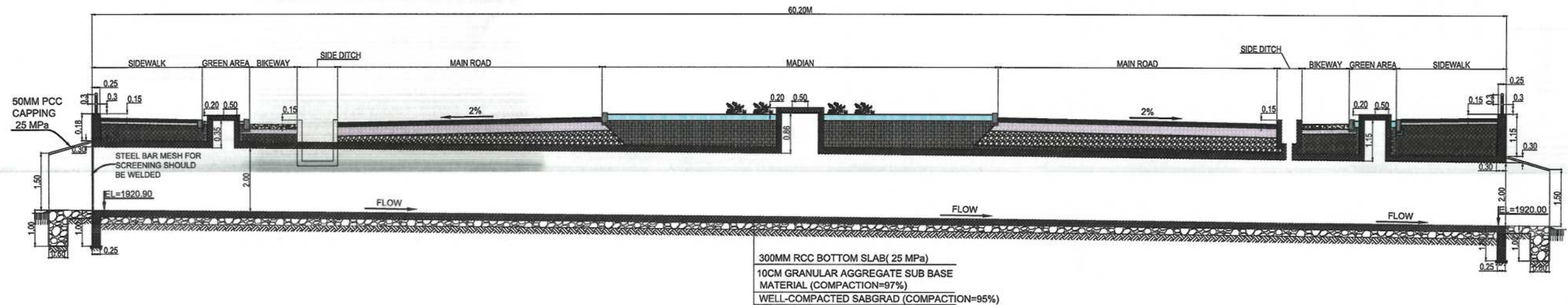
CULVERTS #03 and
#06 DETAILS

Revision

01



PLAN OF RCC SKEW CULVERT # 04
STATION (2+088.2)



SECTION A-A FROM RCC SKEW CULVERT # 04
STATION (2+088.2)

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

ISLAMIC EMIRAT OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 04 PLAN AND LONG SECTION

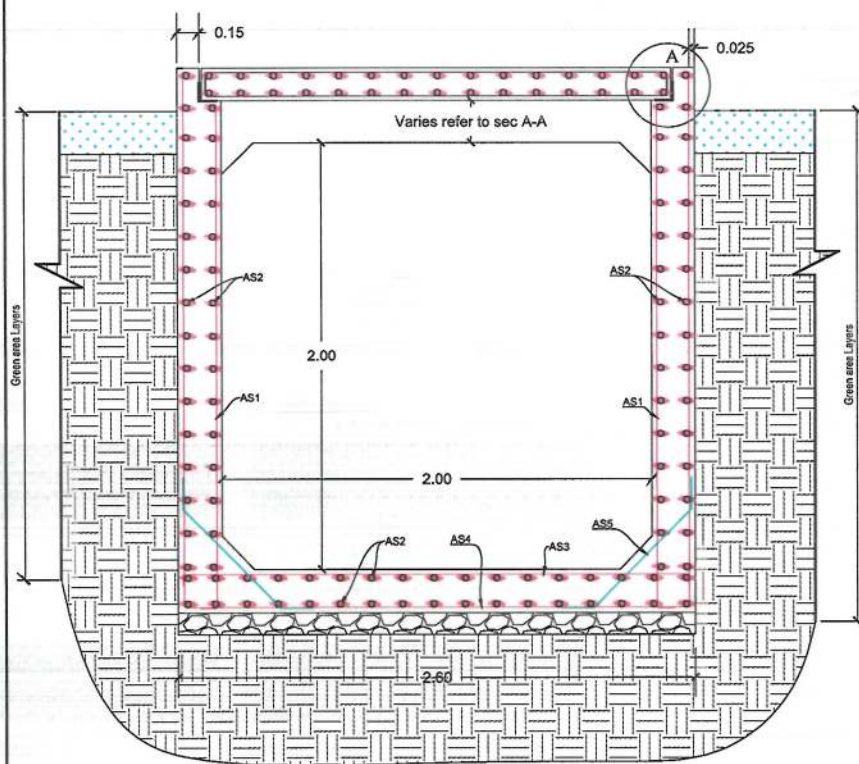
Drawn by: Menhaju Rahman
Designed by: Baz Mohammad Raji
Checked by: Hasibullah Shalizi

Date: 19-09-2023
Scale:

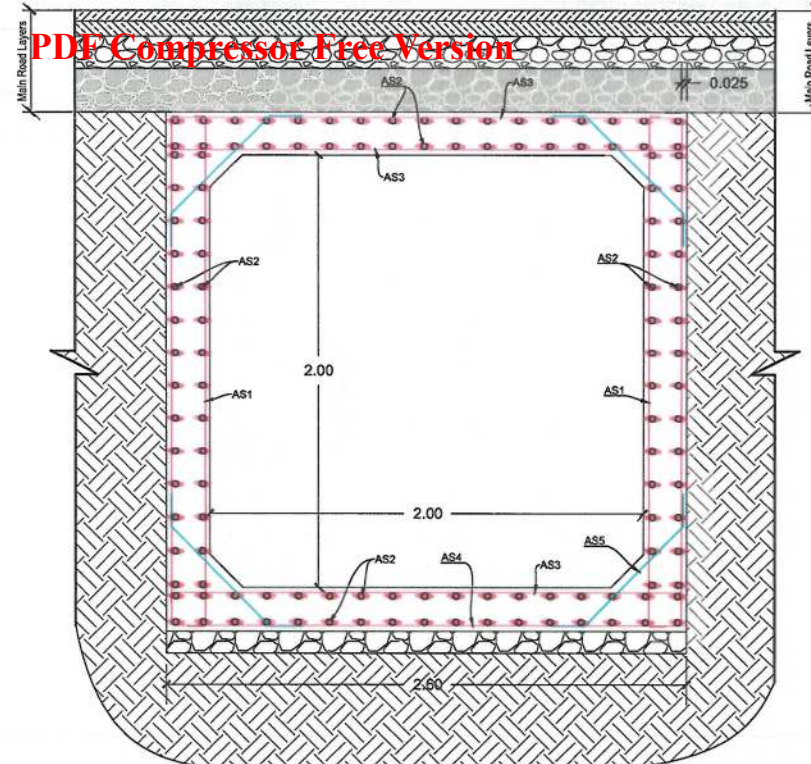
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Project Code:

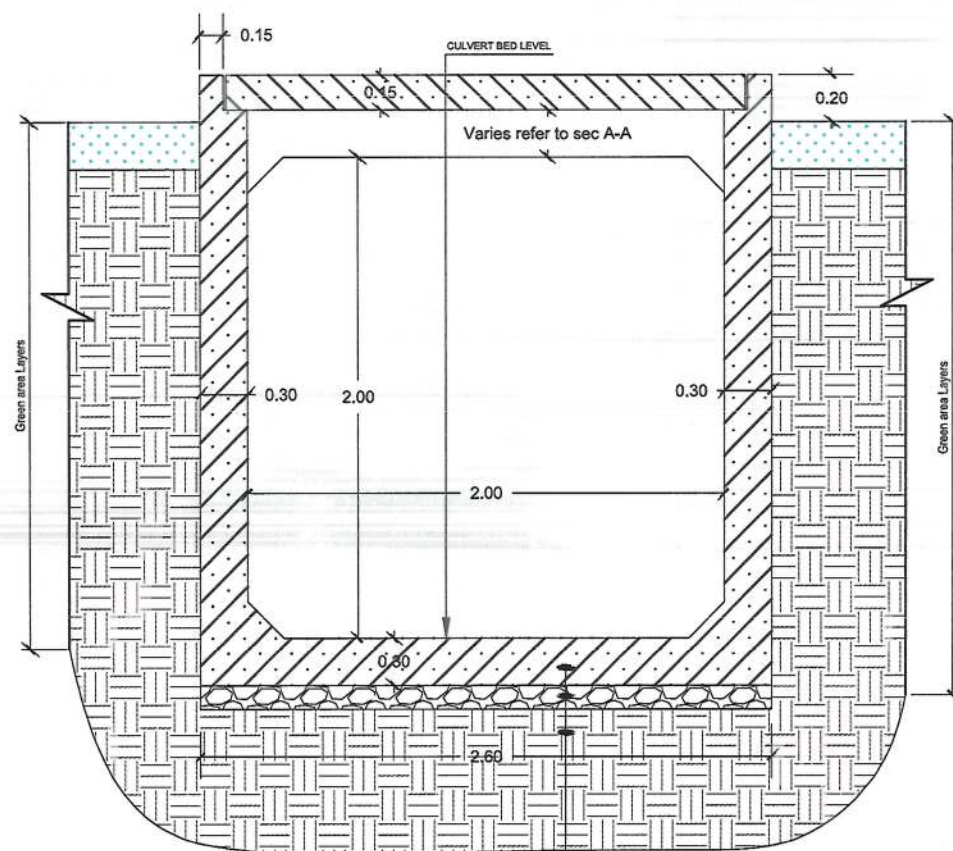
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Revision: 00



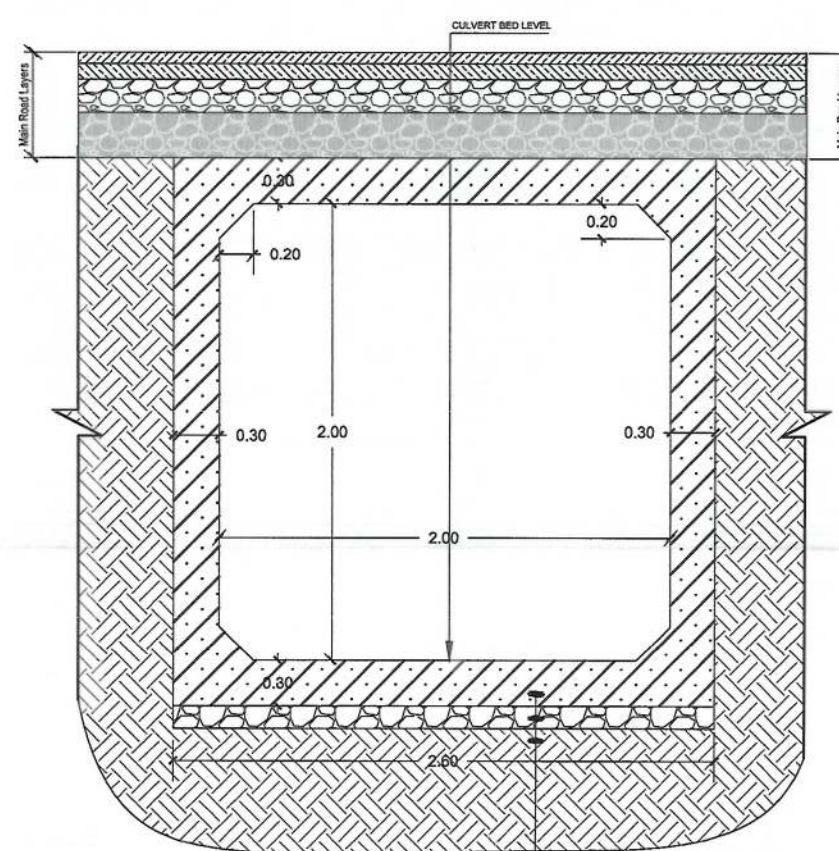
DET-CUL SECTION B-B, REINFORCEMENT DETAIL



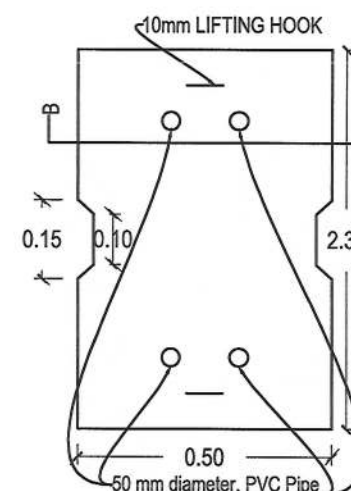
DET-CUL SECTION C-C, REINFORCEMENT DETAIL



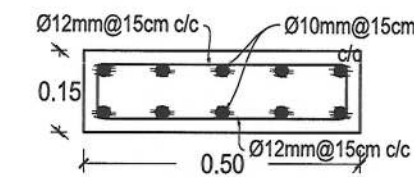
DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS
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10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)



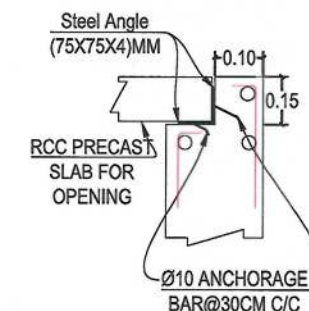
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS
30CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)



OPENING PRECAST SLAB



SECTION (B-B)



DETAIL A

CULVERT (2X2)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		16	150	
As2		14	150	
As3		16	150	
As4		16	150	
As5		14	250	

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
CULVERT # 04 SECTIONS AND
DETAILS

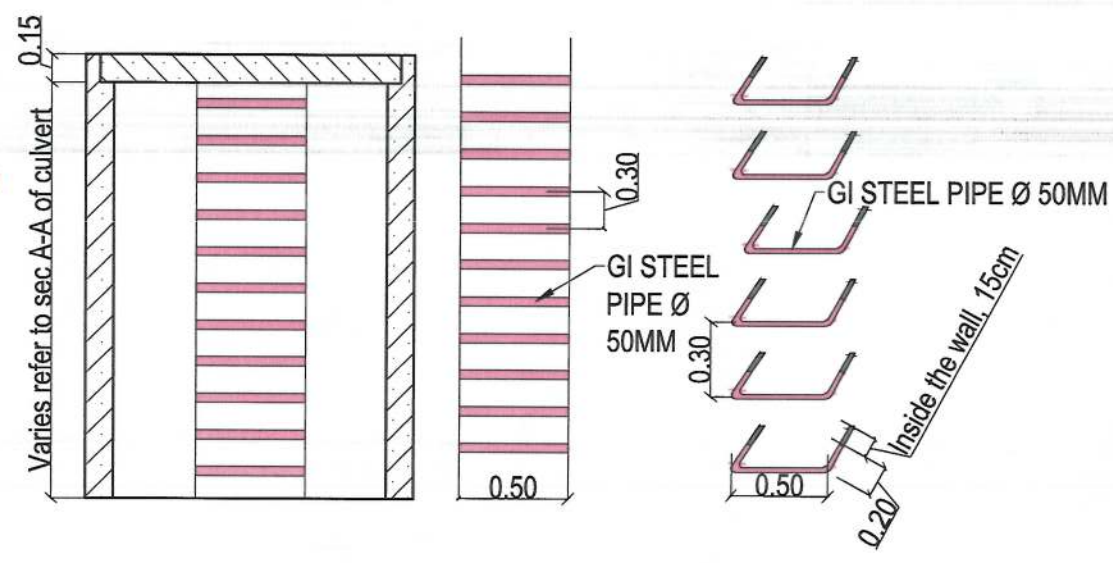
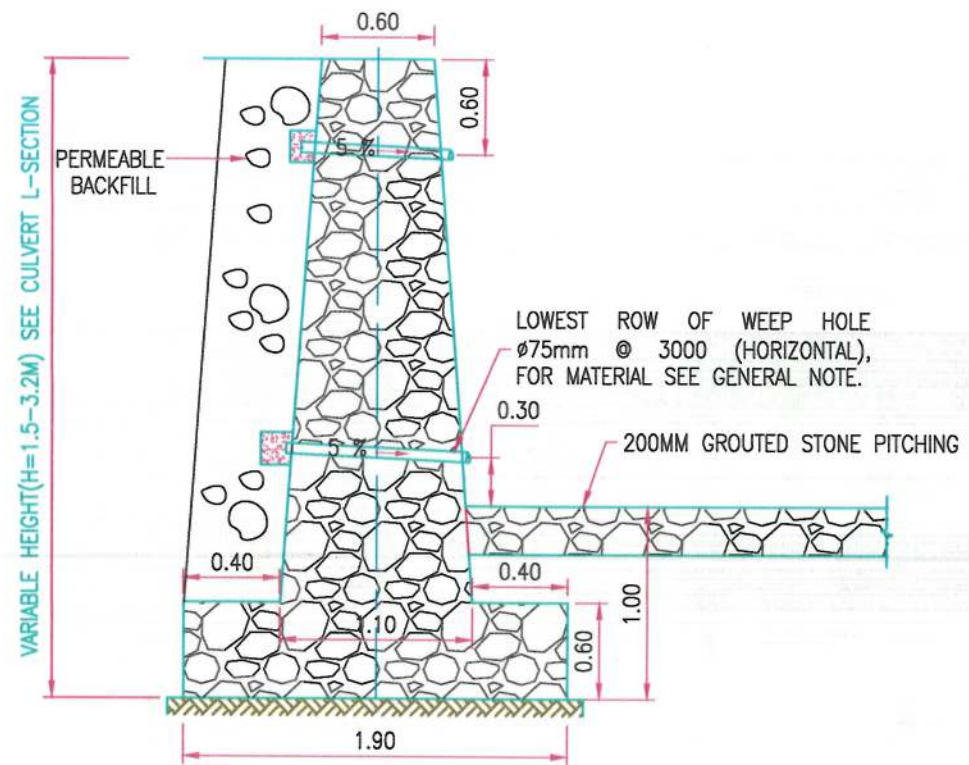
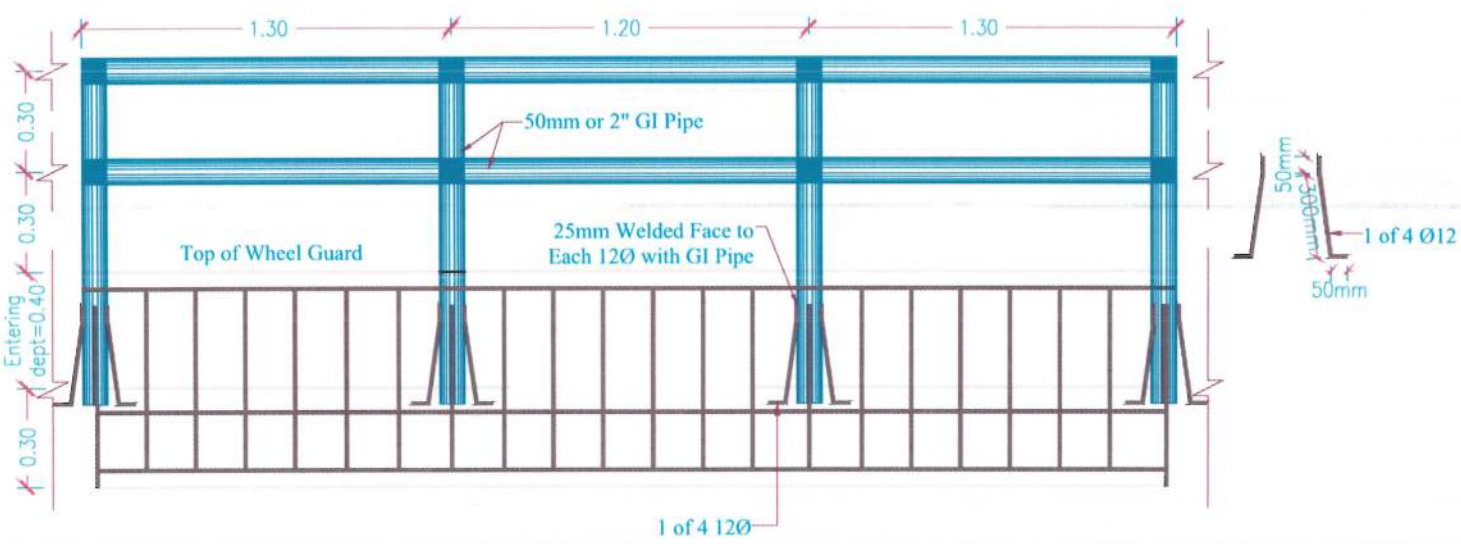
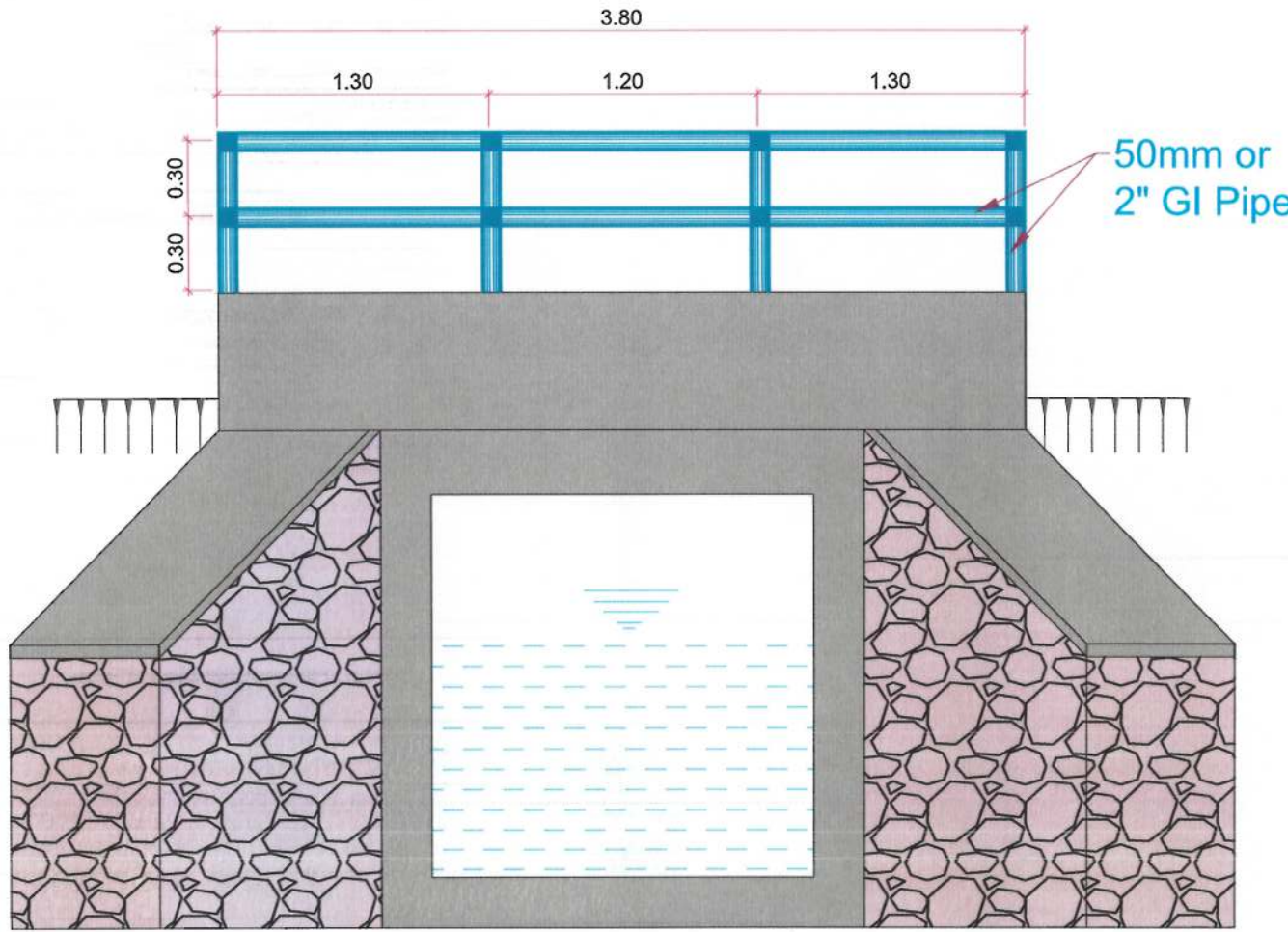
Drawn By: Menhaji Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023
Scale:

Status: FINAL DESIGN

Project Code

SHEET NO. CUL-DET-04
PAGE NO. 01



3D VIEW

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

Rev. Date Revision Details Drawn Chkd. Appd.

Islamic Emirate of Afghanistan

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Subz town connecting road project

Drawing Title:
CULVERT#04 DETAILS

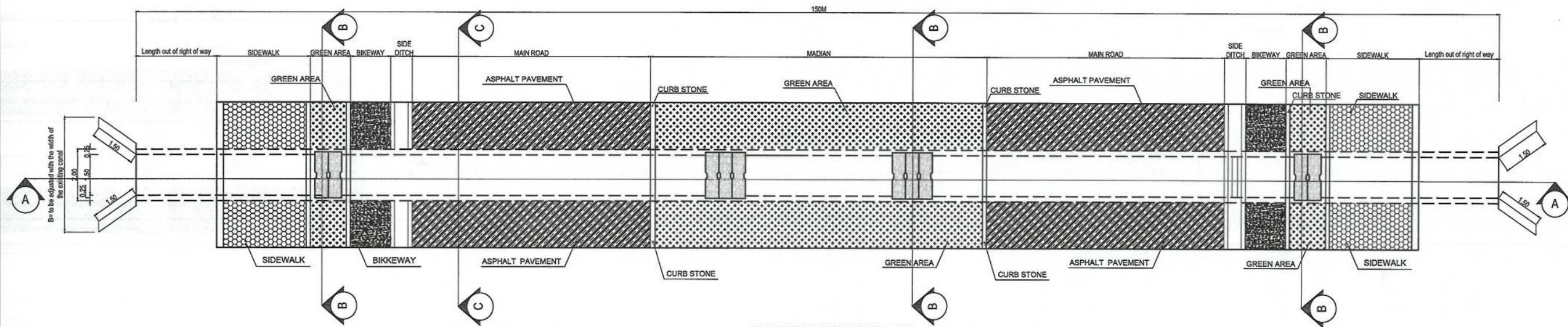
Drawn By: Menhaji Rahman
Designed By: Bez Mohammad Raji
Checked By: Hasibullah Shatizi
Reviewed By:

Date: 19-09-2023
Scale: 1:200

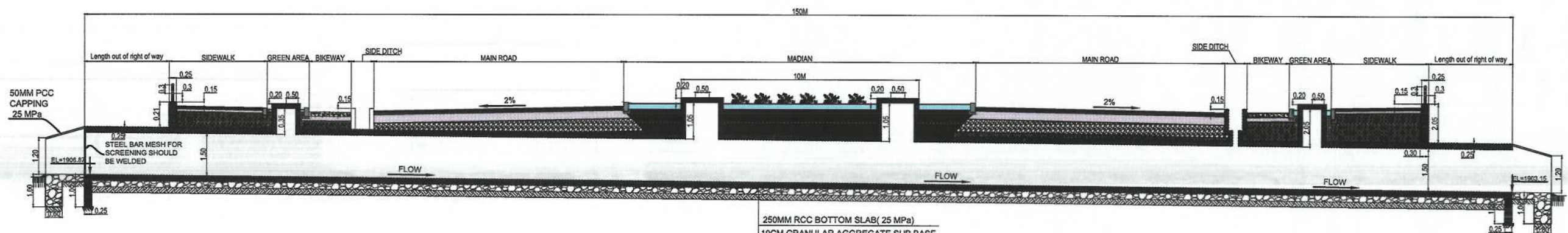
Status: FINAL DESIGN

Project Code:

Drawing Number: CULVERT#04 DETAILS
Revision: 01



PLAN OF RCC SKEW CULVERT # 05
STATION (2+600)



SECTION A-A FROM RCC SKEW CULVERT # 05
STATION (2+600)

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 05 PLAN AND LONG SECTION

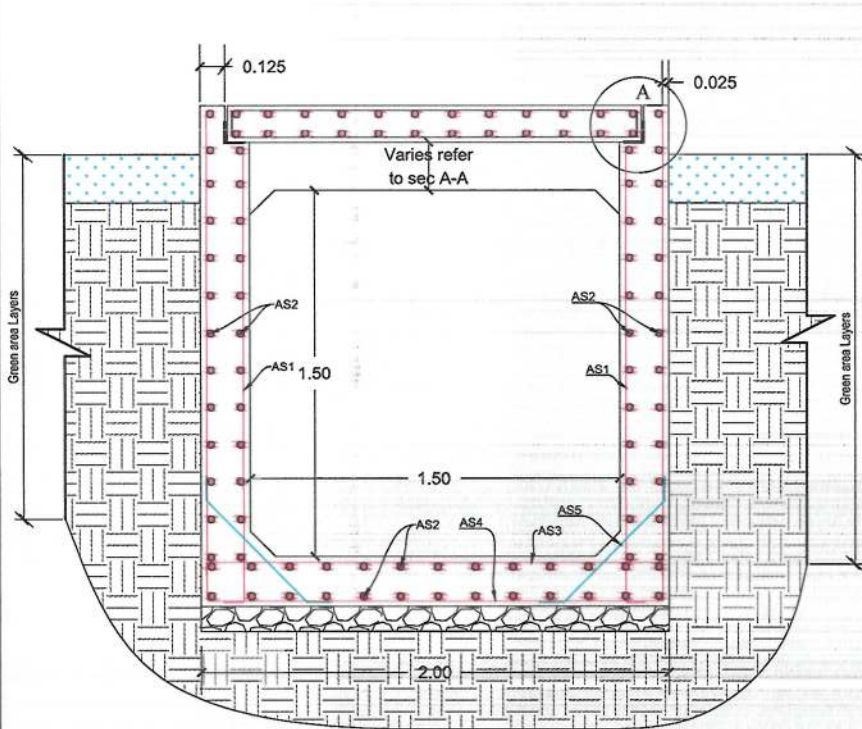
Drawn by: Menhaju Rahman
Designed by: Baz Mohammad Raji
Checked by: Hasibullah Shalizi

Date: 19-09-2023
Scale:

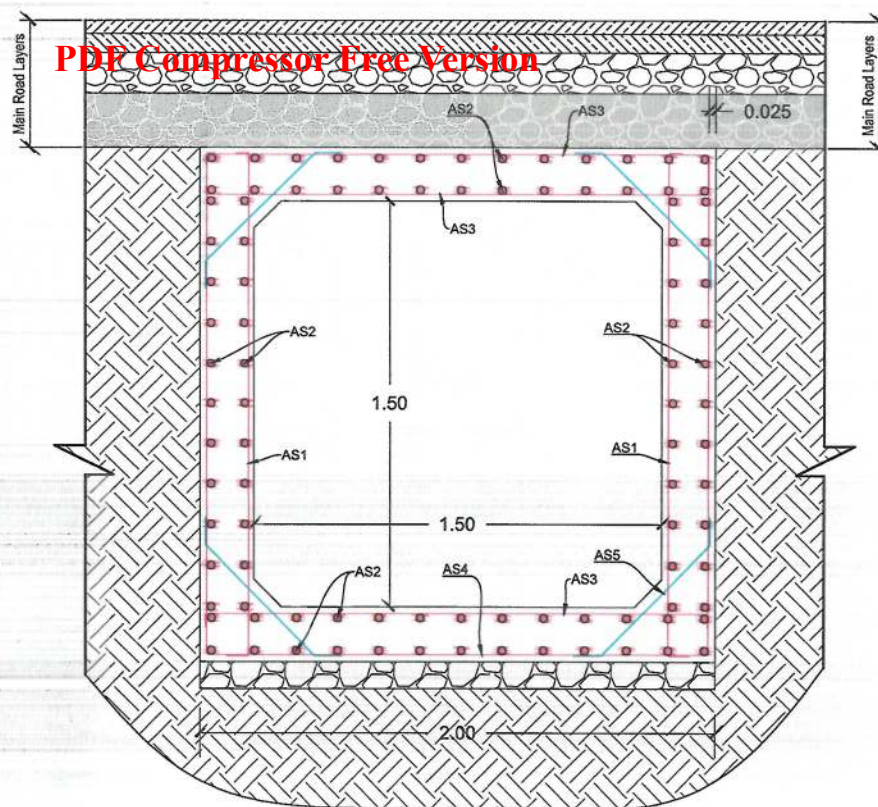
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Project Code:

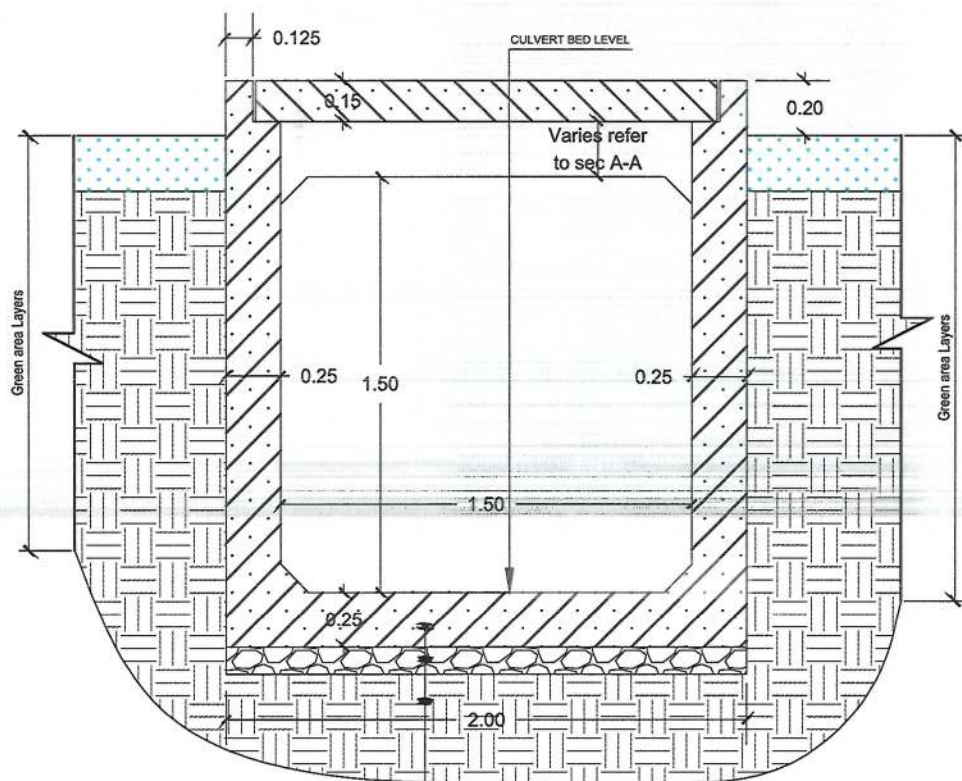
Drawing Number: CUL# 05
Revision: 00



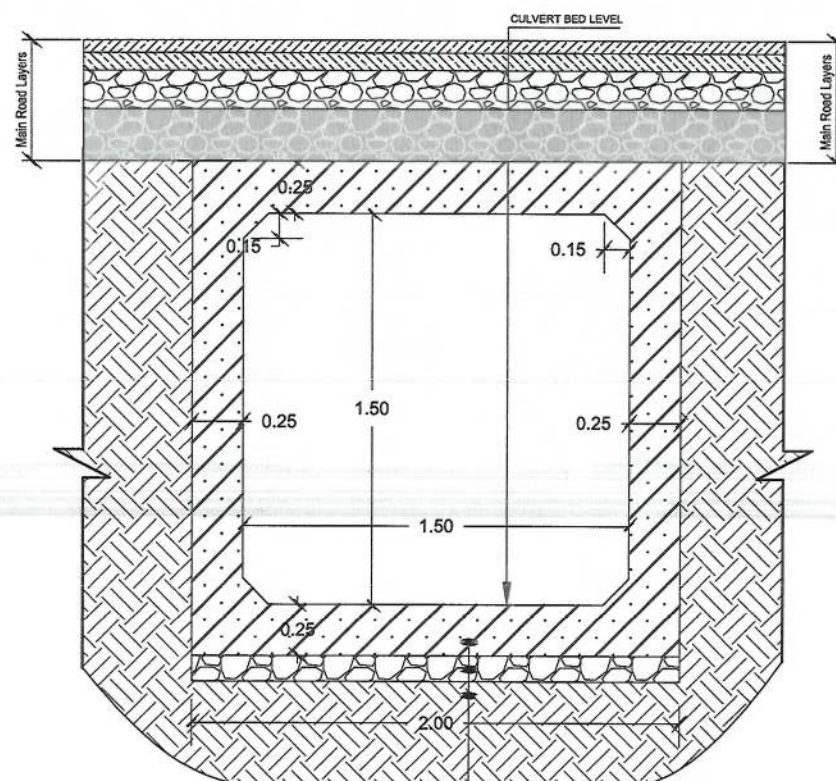
DET-CUL SECTION B-B, REINFORCEMENT DETAIL



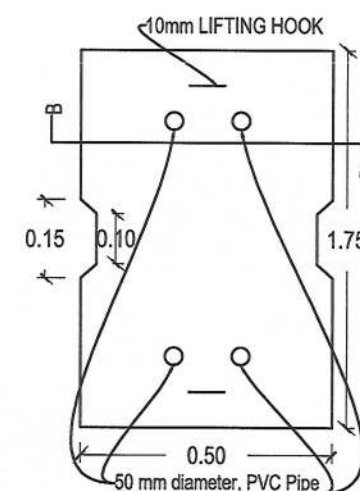
DET-CUL SECTION C-C, REINFORCEMENT DETAIL



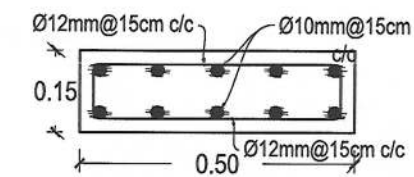
DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



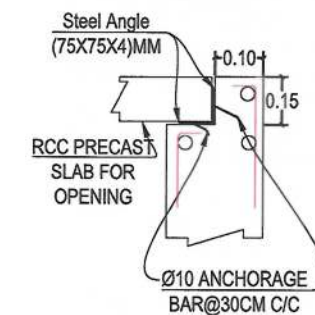
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS



OPENING PRECAST SLAB



SECTION (B-B)



DETAIL A

CULVERT (1.5X1.5)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		16	150	
As2		14	150	
As3		16	150	
As4		16	150	
As5		14	250	

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



ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
CULVERT # 05 SECTIONS AND
DETAILS

Drawn By: Menhaj Rahman Signature:

Designed By: Baz Mohammad Raji Signature:

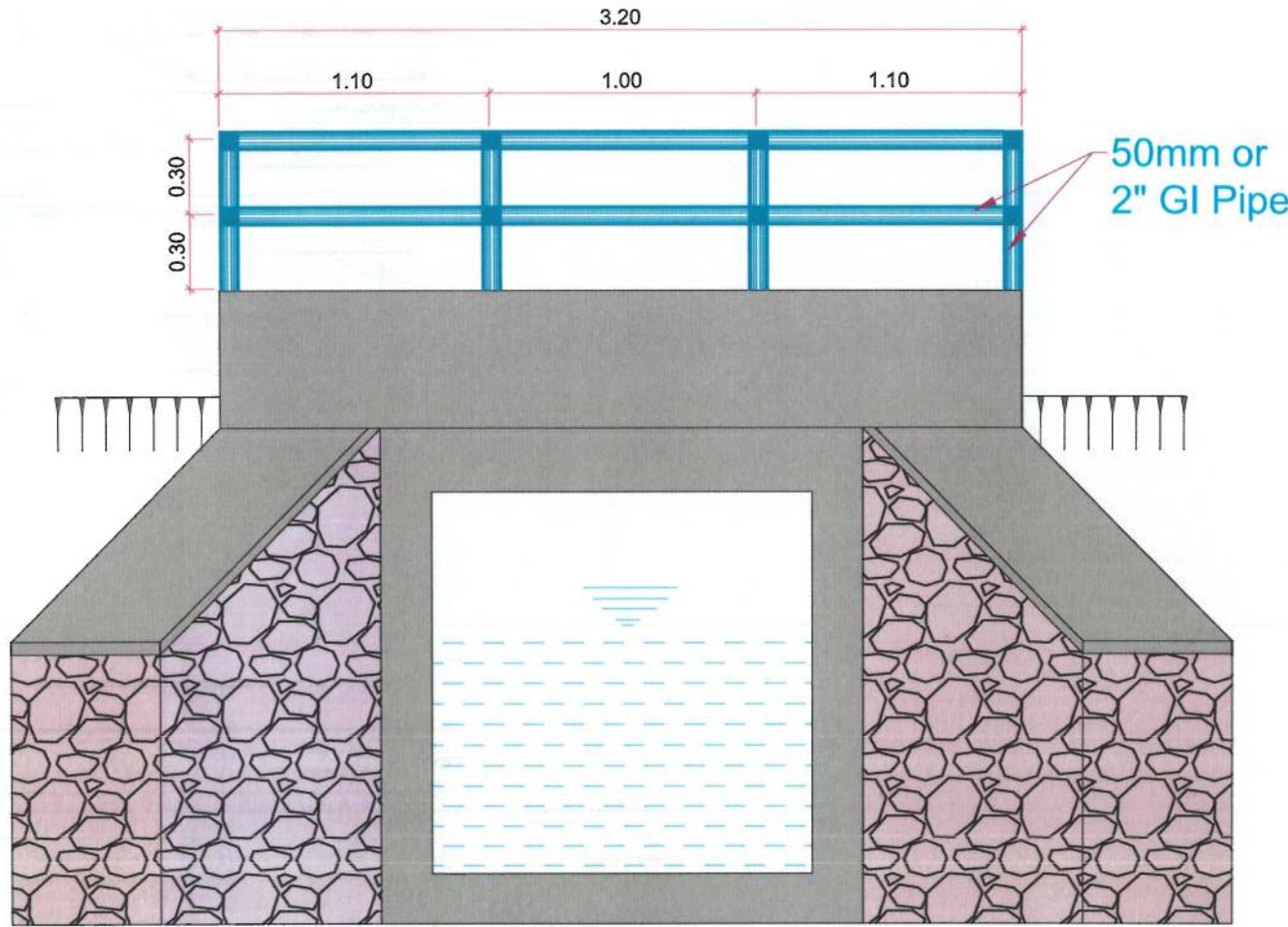
Checked By: Husebullah Shalizi Signature:

Date: 19/09/2023 Scale:

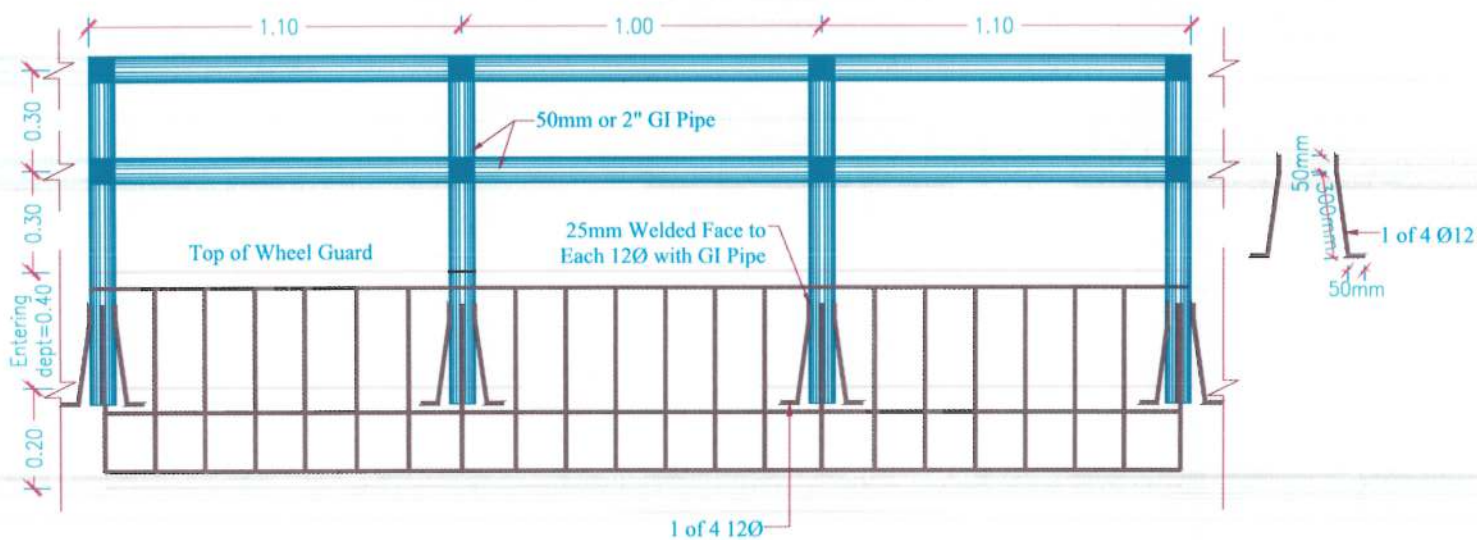
Status: FINAL DESIGN

Project Code

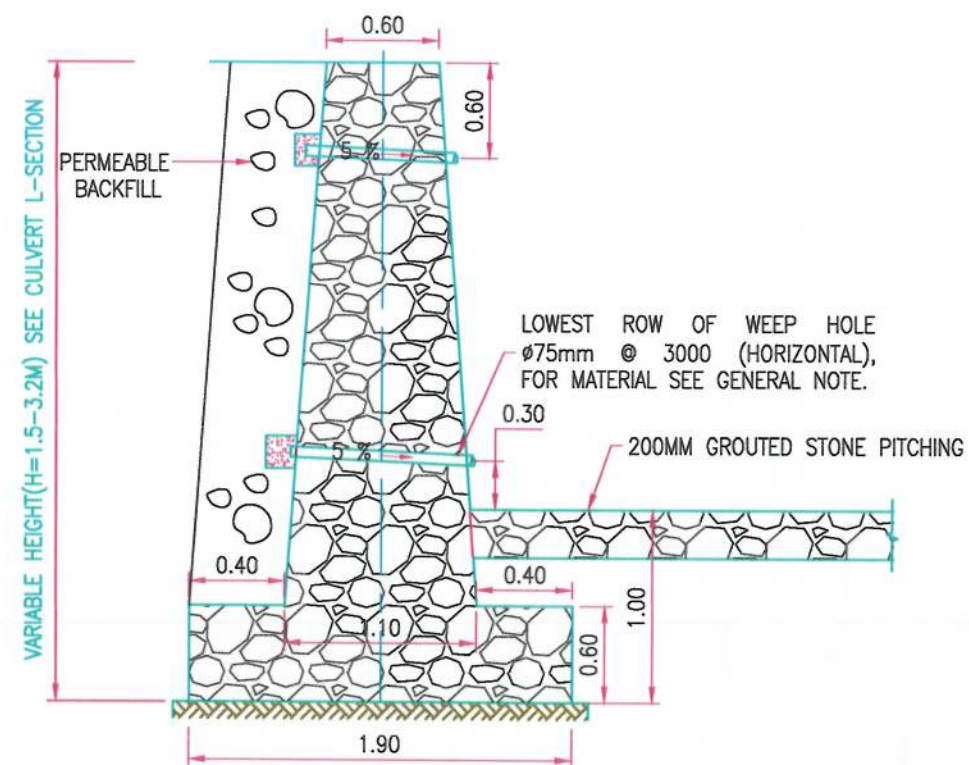
SHEET NO. CUL-DET-05 PAGE NO. 01



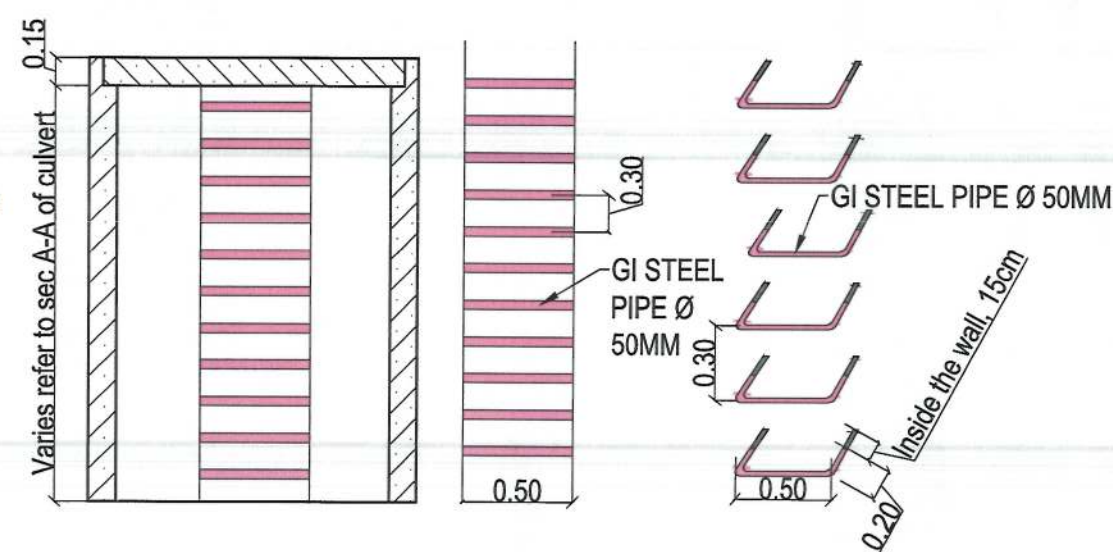
BOX CULVERT FRONT VIEW
SCALE 1:25



DETAIL OF RAILING
FOR CULVERT #05



TYP. WING WALL SECTION VIEW
SCALE NTS



LADDER FOR OPENING OF CULVERTS
IN MEDIAN AND GREEN AREAS

3D VIEW

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

Rev. Date Revision Details Drawn Chkd. Appd.

Islamic Emirate of Afghanistan

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT#05 DETAILS

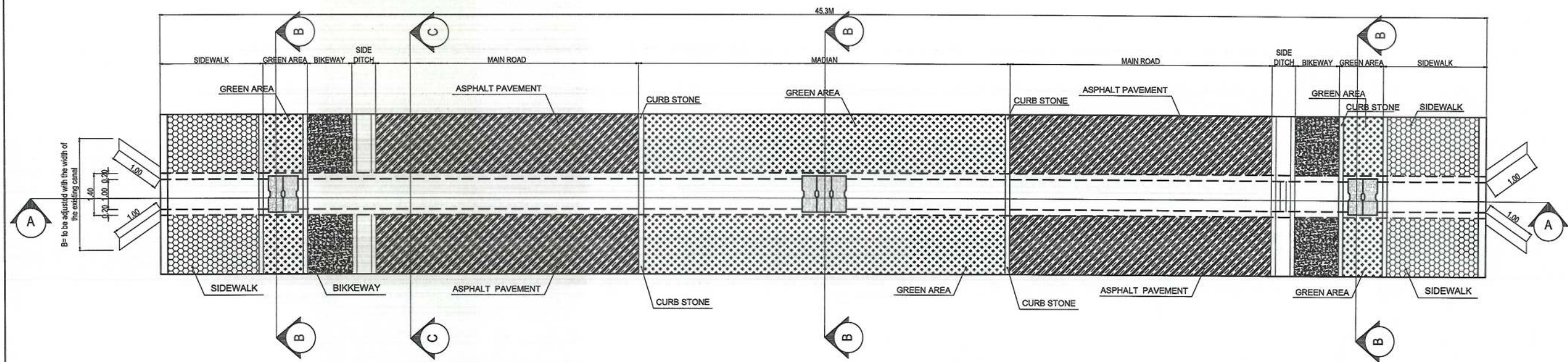
Drawn By: Menhaji Rahman
Designed By: Bez Mohammad Raji
Checked By: Hasibullah Shalizi
Reviewed By:

Date: 19-09-2023
Scale: 1:200

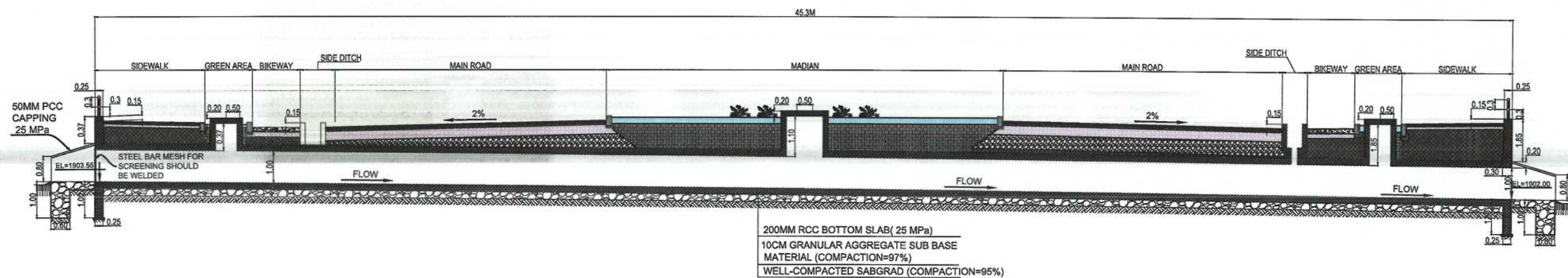
Status: FINAL DESIGN

Project Code:

Drawing Number: CULVERT#05 DETAILS
Revision: 01



PLAN OF RCC SKEW CULVERT # 06 STATION (2+907.3)



SECTION A-A FROM RCC SKEW CULVERT # 06 STATION (2+907.3)

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting road project

Drawing Title: CULVERT # 06 PLAN AND LONG SECTION

Drawn by: Menhaju Rahman
Designed by: Baz Mohammad Raji
Checked by: Hasibullah Shalizi

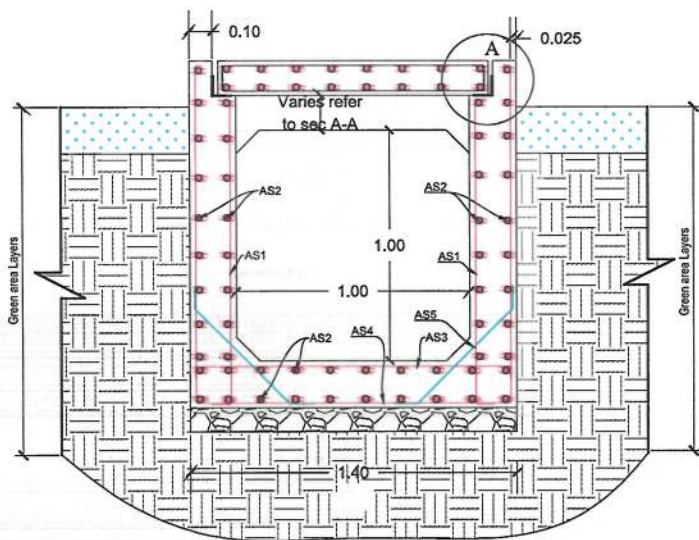
Date: 19-09-2023 Scale:

Status: FINAL DESIGN

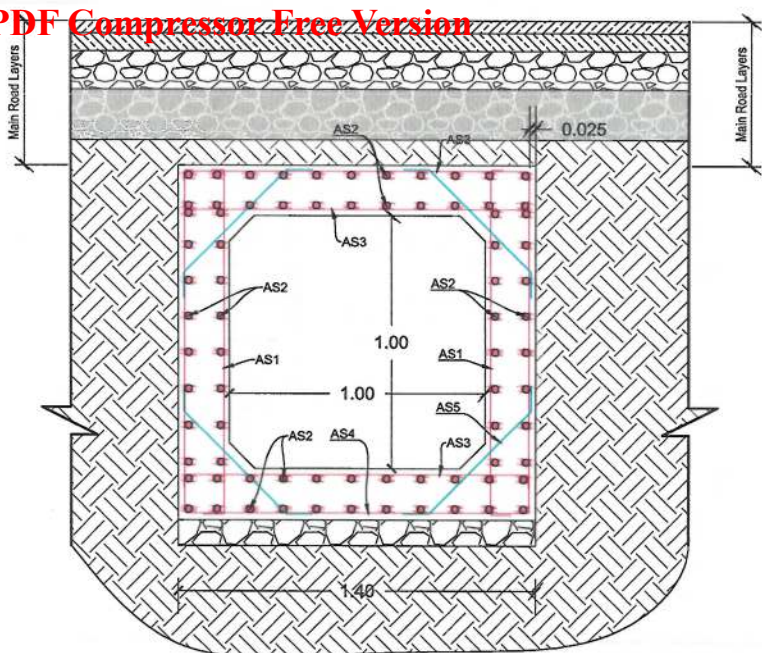
Project Code

Drawing Number: CUL# 06
Revision: 00

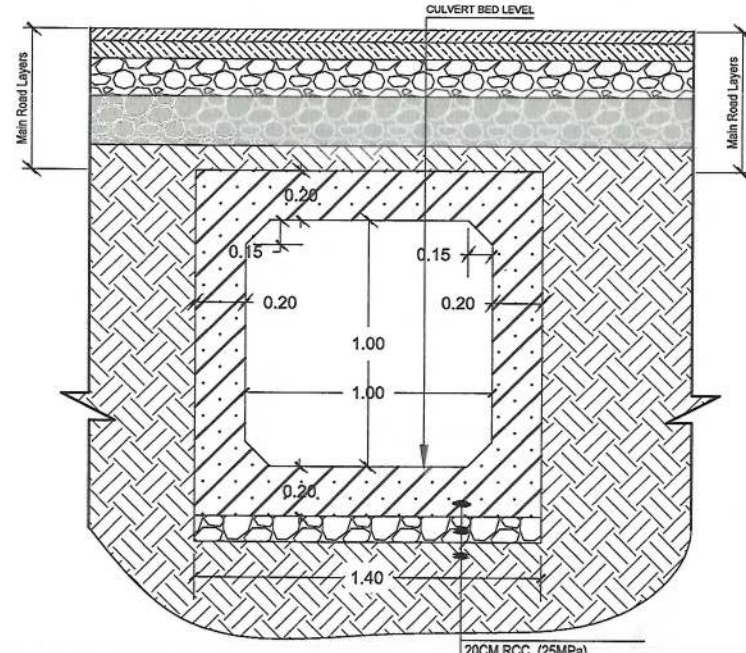
PDF Compressor Free Version



DET-CUL SECTION B-B, REINFORCEMENT DETAIL

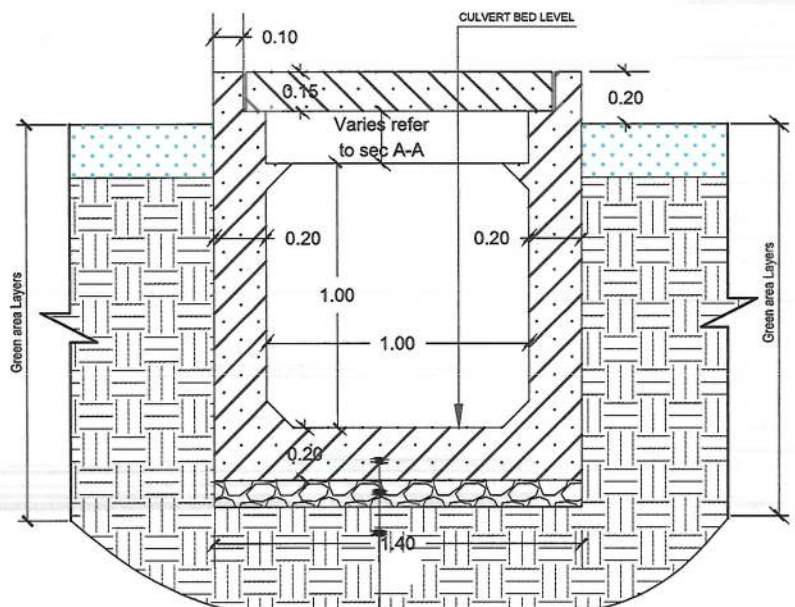


DET-CUL SECTION C-C, REINFORCEMENT DETAIL



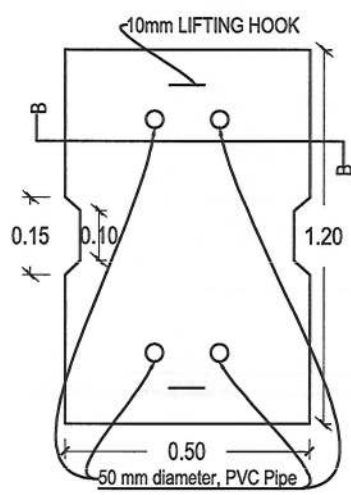
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS

20CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)

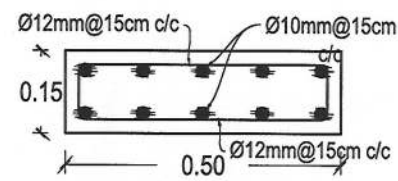


DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS

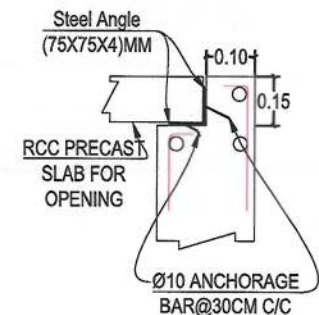
20CM RCC (25MPa)
10CM GRANULAR AGGREGATE
SUB BASE COURSE, 97% COMPACTION
RE-COMPACTED SOIL (COMPACTION=95%)



OPENING PRECAST SLAB



SECTION (B-B)



DETAIL A

CULVERT (1X1)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		12	250	

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
CULVERT # 03 SECTIONS AND DETAILS

Drawn By: Menhaj Rahman
Designed By: Baz Mohammad Raji
Checked By: Haatullah Shalizi

Date: 19/09/2023

Status: FINAL DESIGN

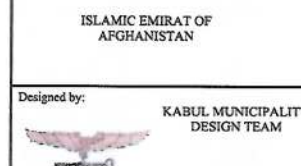
Project Code

SHEET NO. CUL-DET-06

PAGE NO 01



Rev.	Date	Revision Details	Drawn	Chkd.	App.



Project Name: Orfani to Omid-e-Sabz town connecting road project

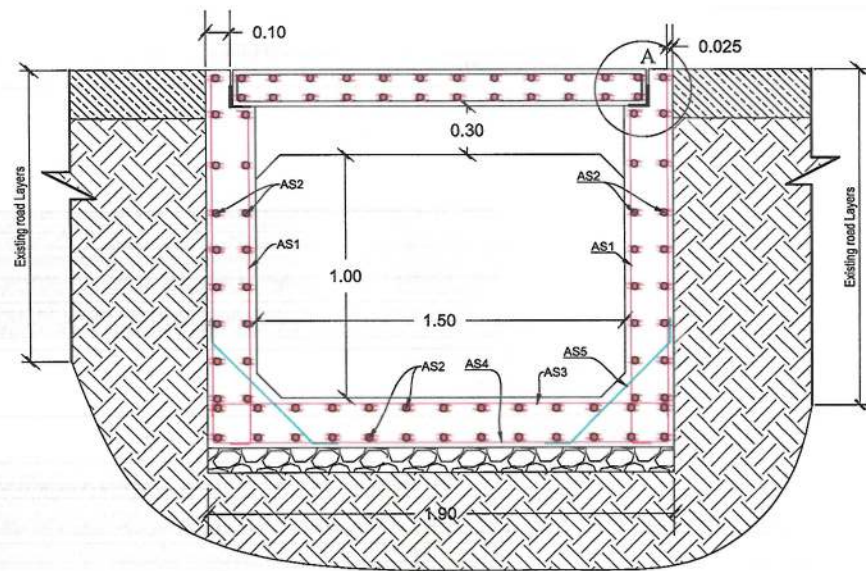
CULVERT # 07 PLAN AND
LONG SECTION

Date: 19-09-2023	Scale:
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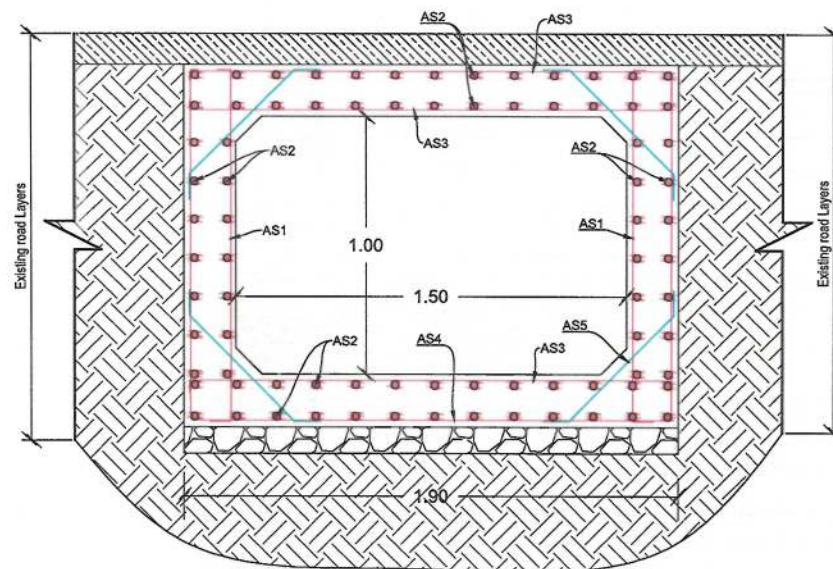
Status:	FINAL DESIGN
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Project Code

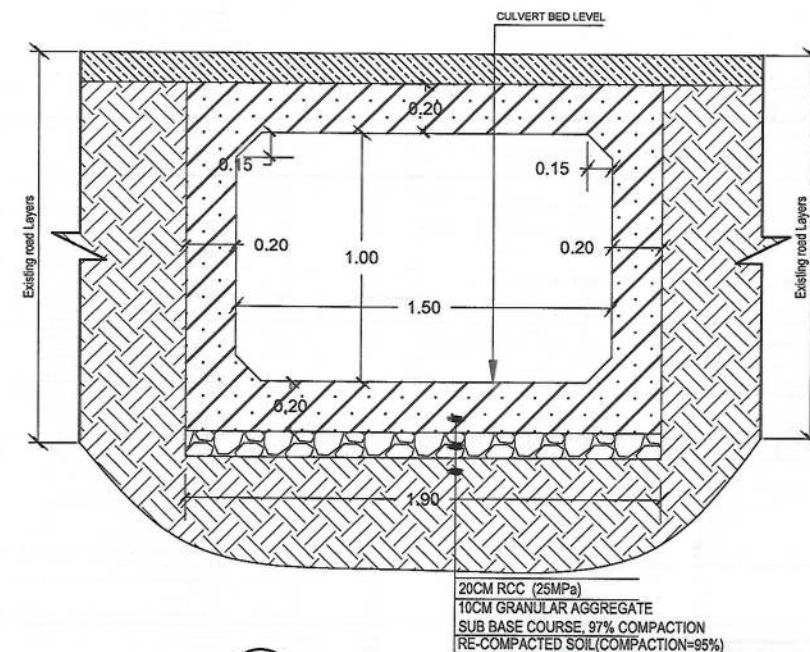
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CUL# 07	00



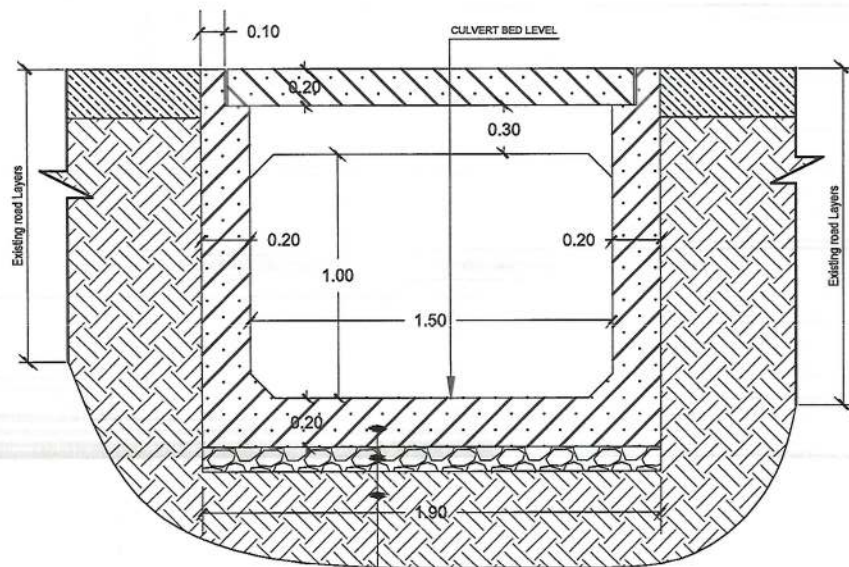
DET-CUL SECTION B-B, REINFORCEMENT DETAIL



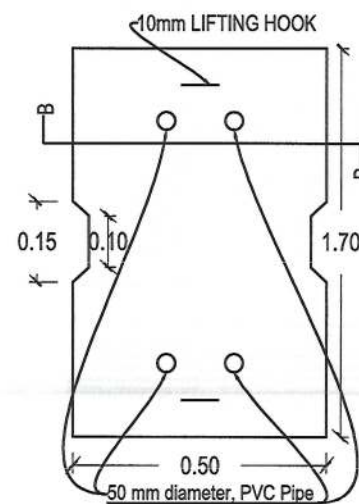
DET-CUL SECTION C-C, REINFORCEMENT DETAIL



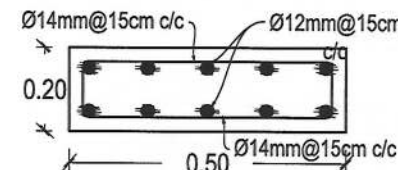
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS



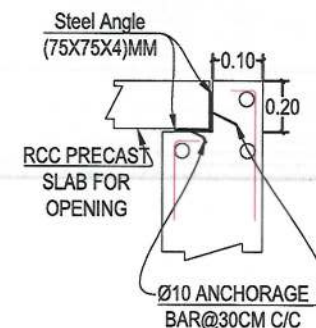
DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



DET-CUL OPENING PRECAST SLAB



DET-CUL SECTION (B-B)



DET-CUL DETAIL A

CULVERT (1.5X1.0)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		12	250	

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



ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
CULVERT # 07 SECTIONS AND
DETAILS

Drawn By:

Menhaj Rahman

Designed By:

Baz Mohammad Raji

Checked By:

Hanibullah Shalizi

Date:
19/09/2023

Scale:

Status:
FINAL DESIGN

Project Code

SHEET NO.

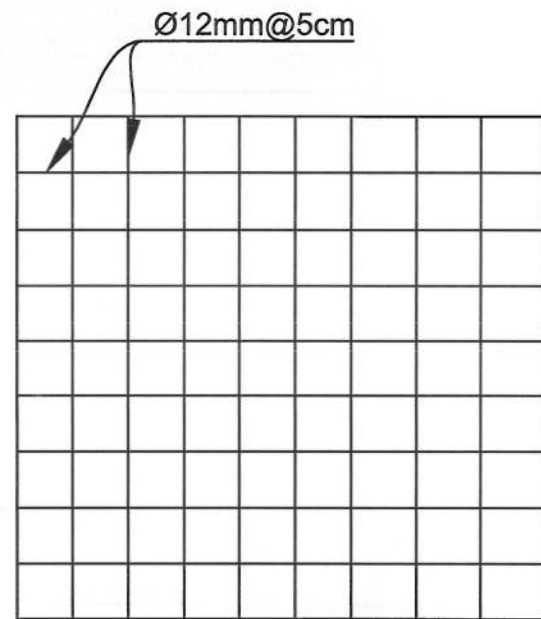
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PAGE NO

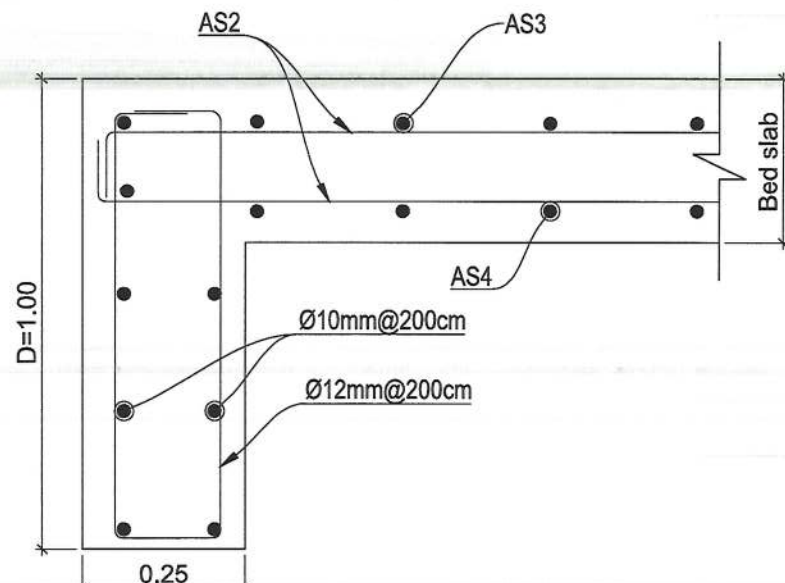
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Proposed Culvert List PDF Compressor Free Version

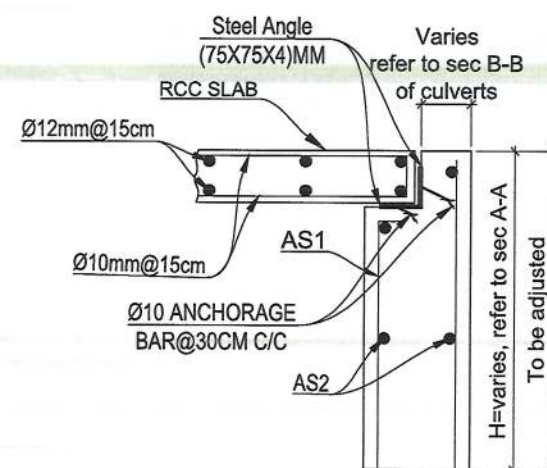
NO	Staion	Type of Structure	Proposed Size-m		Degree of Skew	Lenght (m)	Remark
			W(m)	H(m)			
01	0+083	RCC Box Culvert	1.2	1.2	As Per Site	51.5	
02	1+028	RCC Box Culvert	1.2	1.2	As Per Site	55	
03	1+771	RCC Box Culvert	1.00	1.00	As Per Site	50	
04	2+088.2	RCC Box Culvert	2.00	2.00	As Per Site	60.2	
05	2+600	RCC Box Culvert	1.5	1.5	As Per Site	150	
06	2+907.3	RCC Box Culvert	1.00	1.00	As Per Site	45.3	
07	3+845	RCC Box Culvert	1.50	1.00	As Per Site	30	



STEEL BAR MESH DETAIL

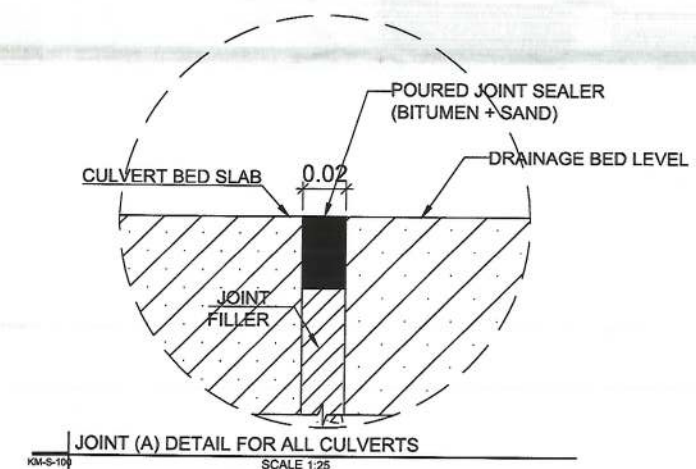
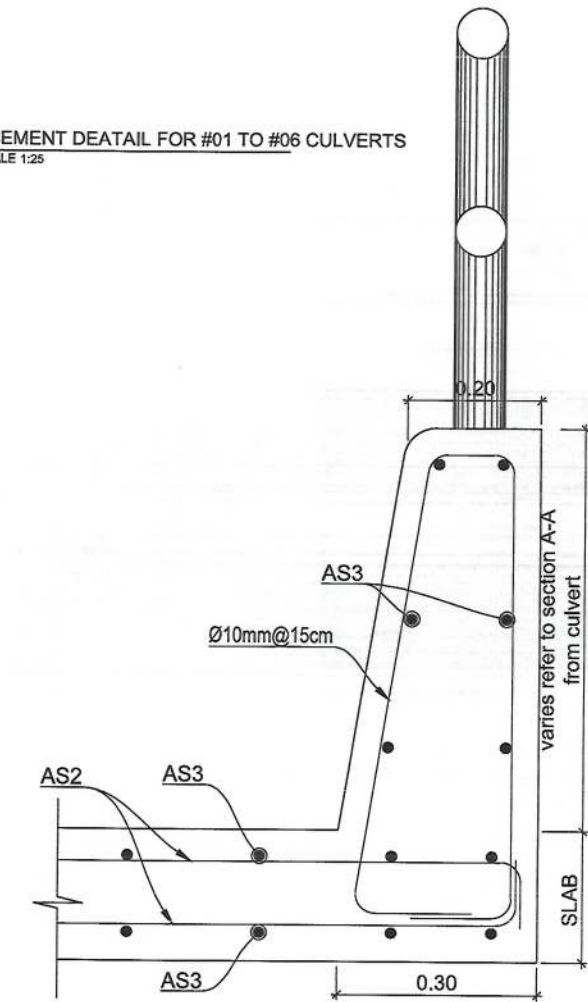


CUT-OFF WALL REINFORCEMENT DETAIL FOR #01 TO #06 CULVERTS
SCALE 1:25



OPENING WALL REINFORCEMENT DETAIL FOR #01 TO #06 CULVERTS
SCALE 1:25

HEADWALL REINFORCEMENT DEATIL FOR #01 TO #06 CULVERTS
SCALE 1:25



JOINT (A) DETAIL FOR ALL CULVERTS
SCALE 1:25

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



Rev. Date Revision Details Drawn Chkd. Appd.

Designed By:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
CULVERTS DETAILS

Drawn By: Menhaju Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi
Reviewed By:

Date: 19-09-2023
Scale: 1:200

Status: FINAL DESIGN

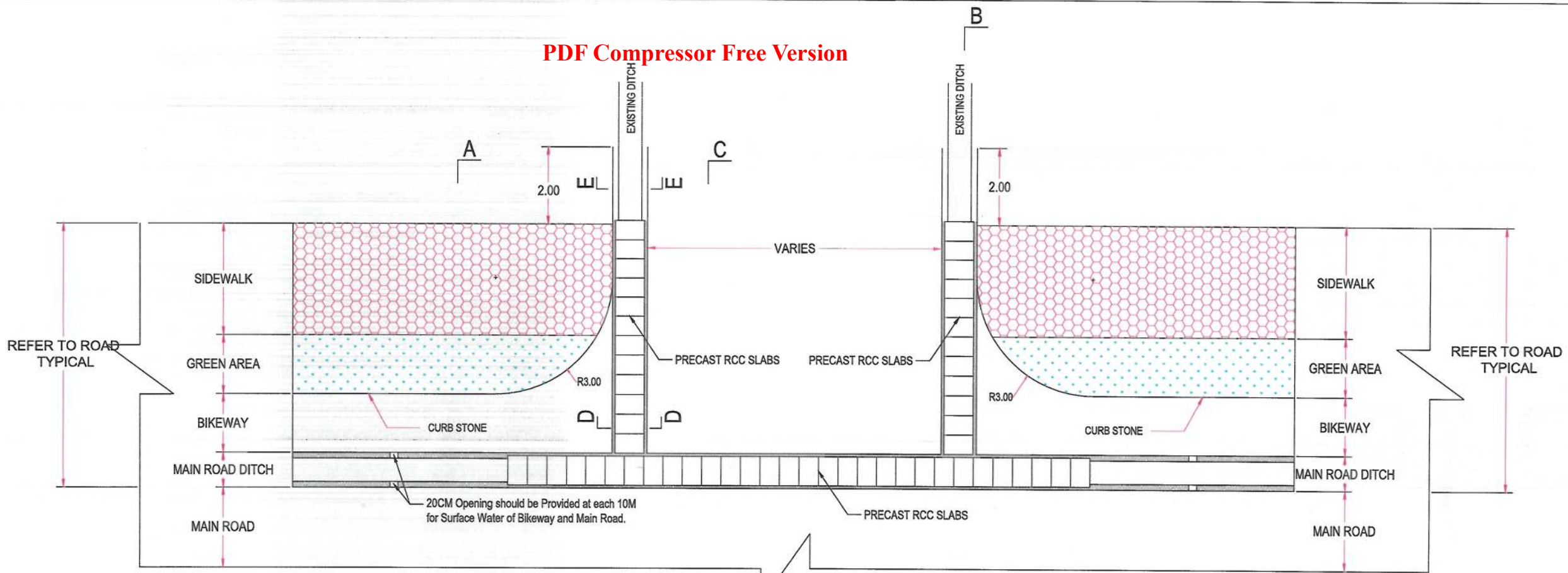
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Drawing Number

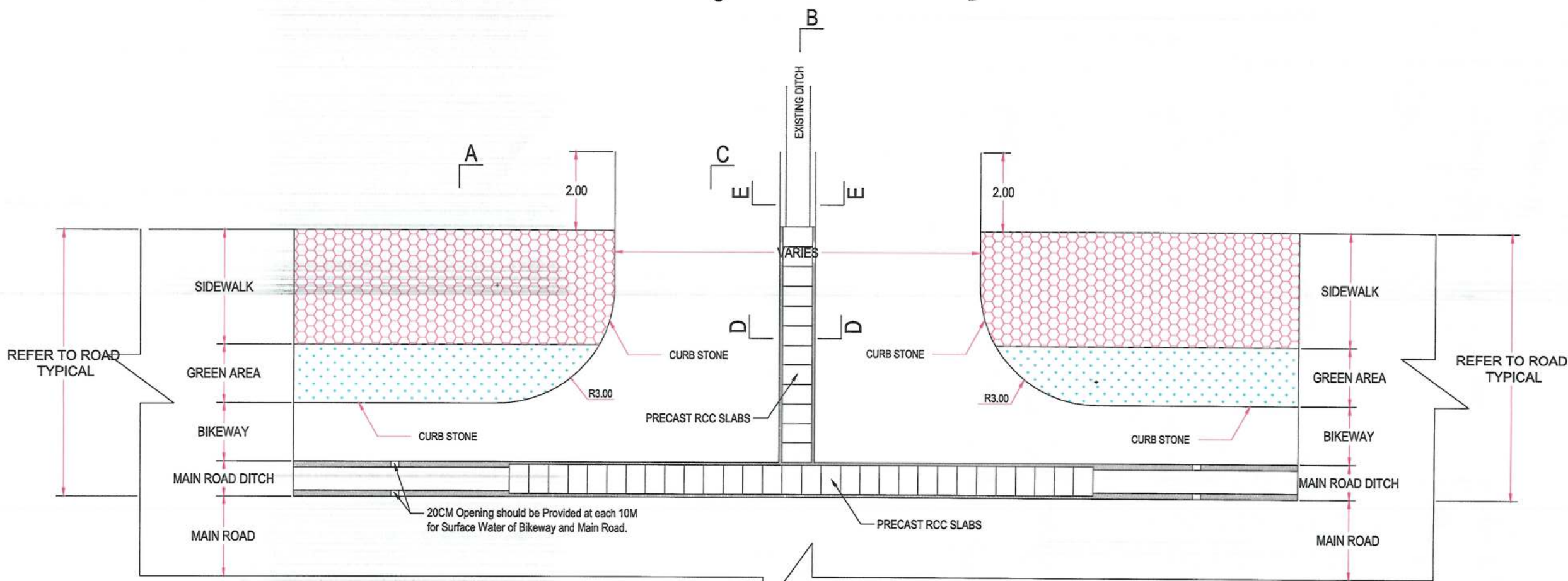
CULVERTS- DETAILS

Revision

01



PLAN OF LINK ROADS TYPE A



PLAN OF LINK ROADS TYPE B

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

NOTES:
1. All link roads should be connected and adjusted properly to the new designed road as per site.
2. The location of Proposed RCC ditch should be followed the existing ditch in each link road and should be properly adjusted as per site.
3. All link roads have one ditch in center of the link roads, otherwise mentioned in the drainage plan.

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
Link Road Types

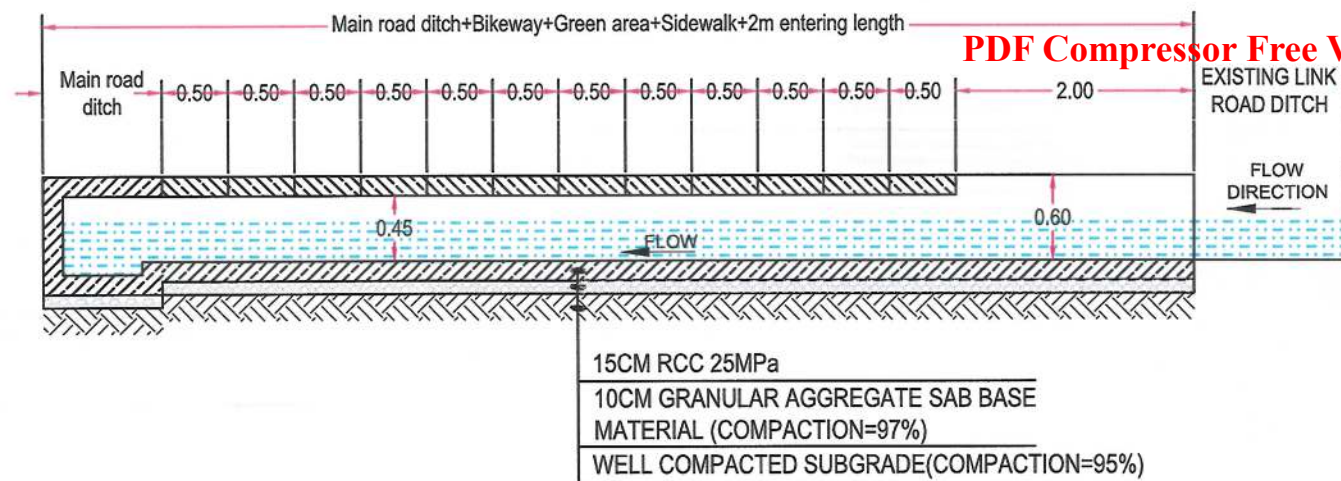
Drawn: Menhaju Rahman
Designed: Baz Mohammad Raji & Mohammad Eisa Sirat
Checked: Hasibullah Shalizi

Date: 19/09/2023
Scale: 1:75

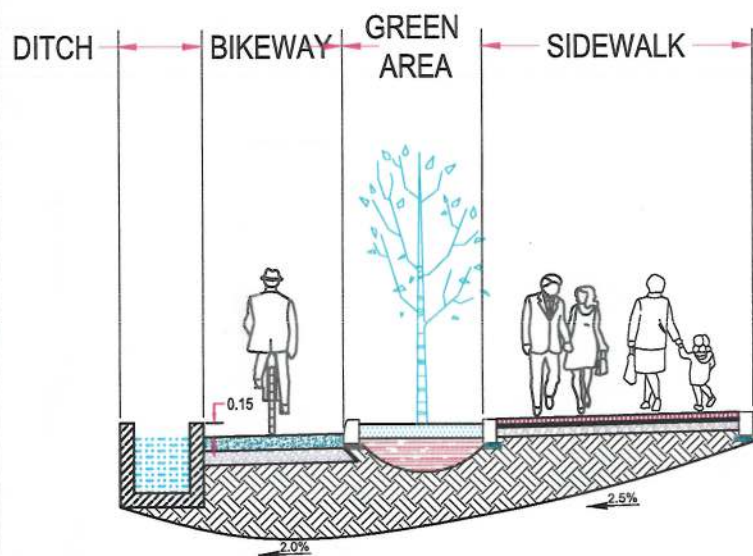
Status: FINAL DESIGN

Project Code

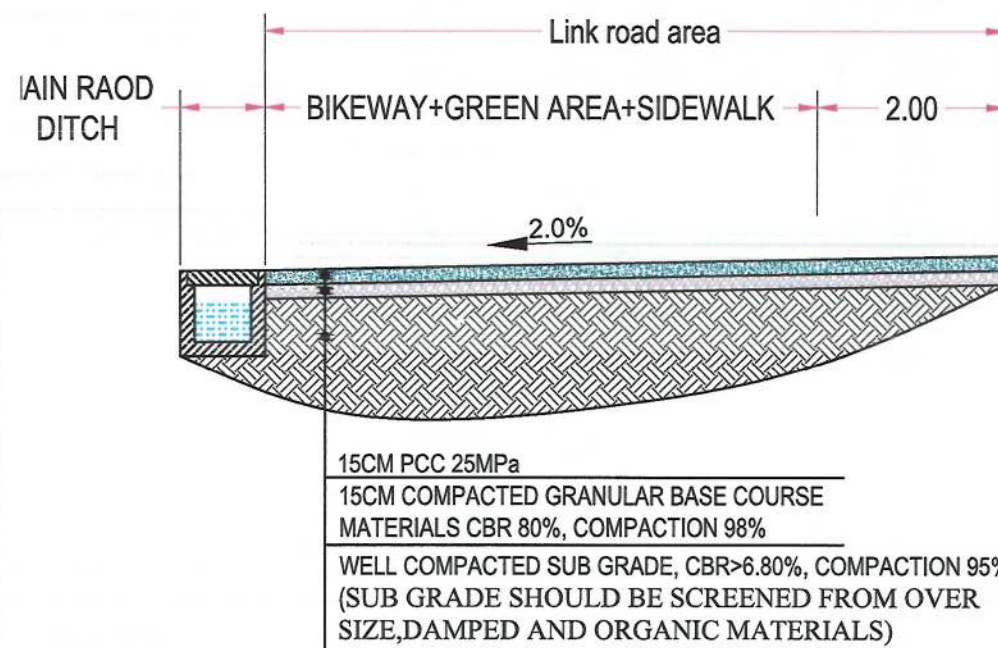
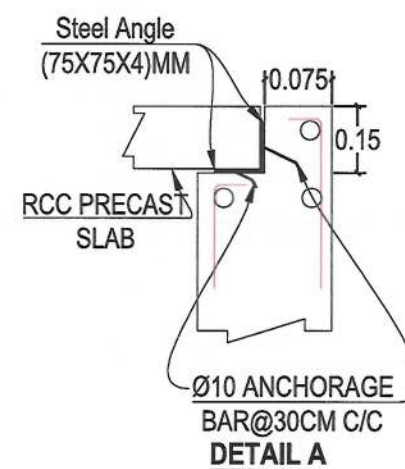
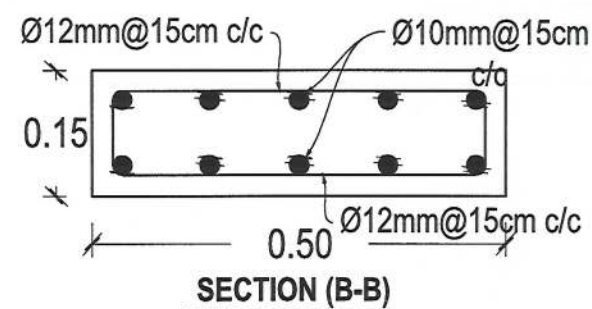
SHEET NO. 01
Link Road Types



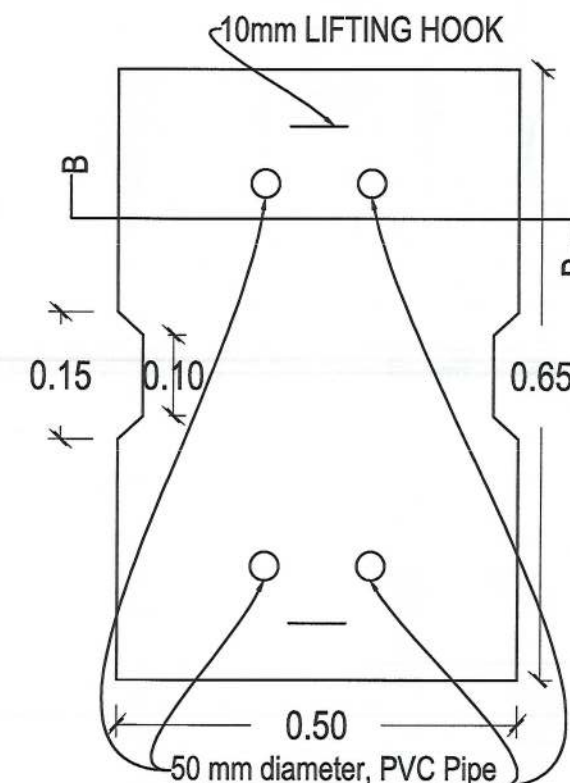
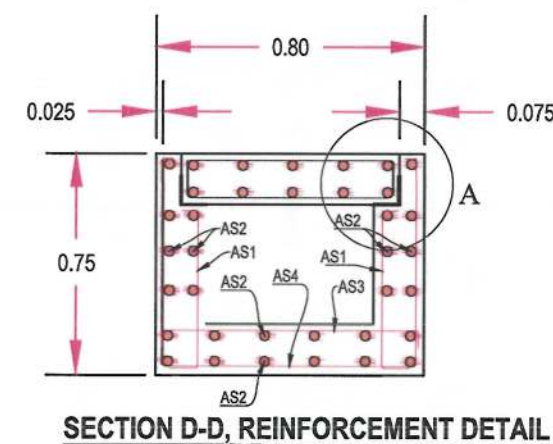
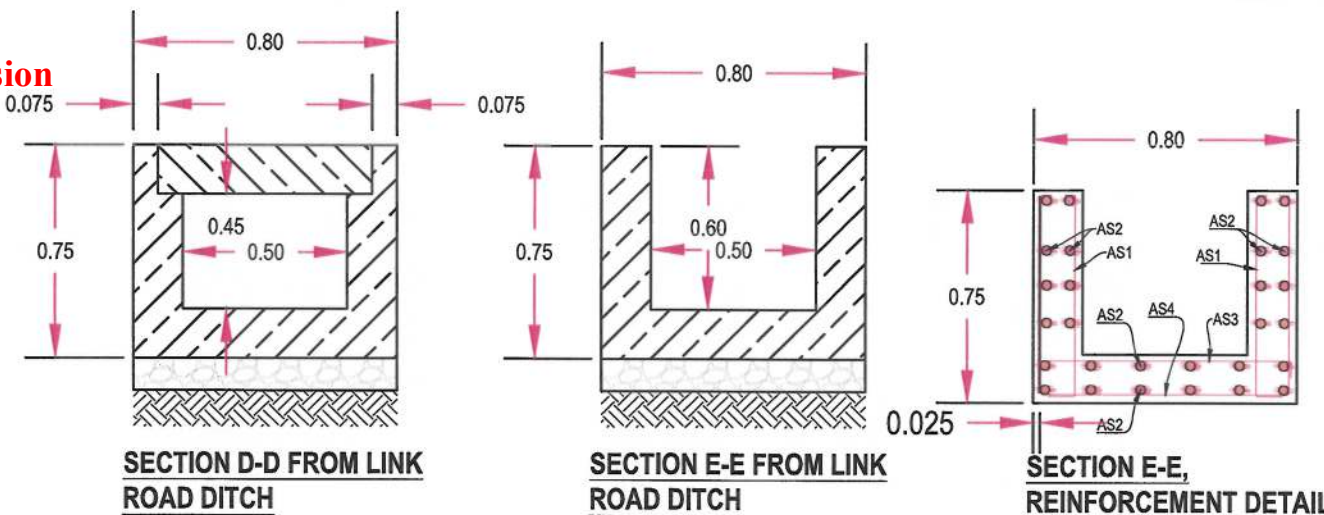
SECTION B-B FOR LINK ROADS



SECTION A-A FOR LINK ROADS



SECTION C-C FOR LINK ROADS



LINK ROADS DITCH (0.5X0.6)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	150	
As2		10	150	
As3		12	150	
As4		12	150	

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

NOTES:
1. All link roads should be connected and adjusted properly to the new designed road as per site.
2. The location of proposed RCC ditch should be followed the existing ditch in each link road and should be properly adjusted as per site.
3. All link roads have one ditch in center of the link roads, otherwise mentioned in the drainage plan.

Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Ormid-e-Sabz town connecting road project

Drawing Title:
Link Road Details

Drawn: Menhaj Rahman
Designed: Baz Mohammad Raji & Mohammad Fissa Sirat
Checked: Hasibullah Shalizi

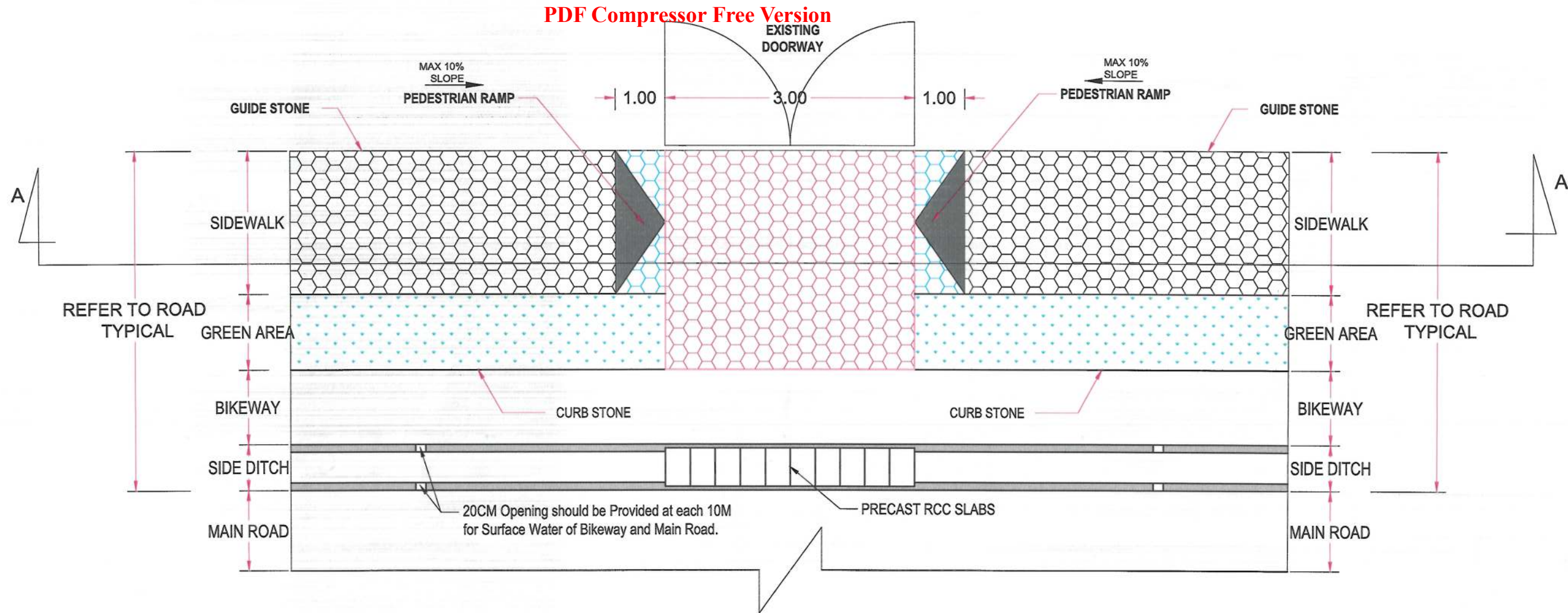
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Scale: 1:75

Status: FINAL DESIGN

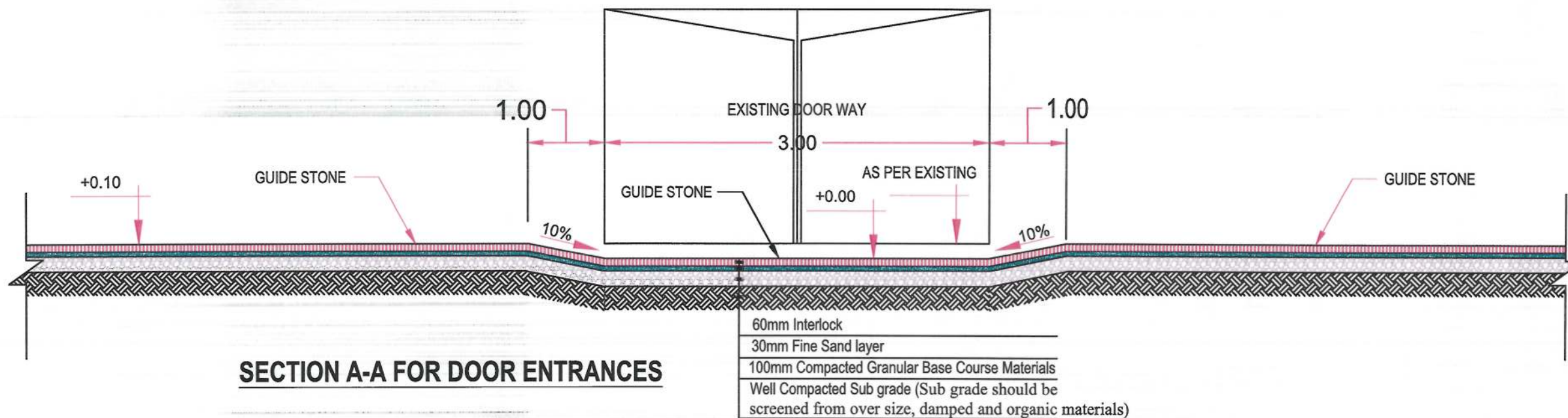
Project Code

SHEET NO. Link Road Details
Revision 01

PDF Compressor Free Version



DOOR ENTRANCES PLAN AND DETAIL



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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town connecting road project

Drawing Title:

Entrance Detail-01

Drawn:

Menhaju Rahman

Signature:

Designed:

Baz Mohammad Raji &

Mohammad Fasa Sirat

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

19/09/2023

Scale:

1:75

Status:

FINAL DESIGN

Project Code

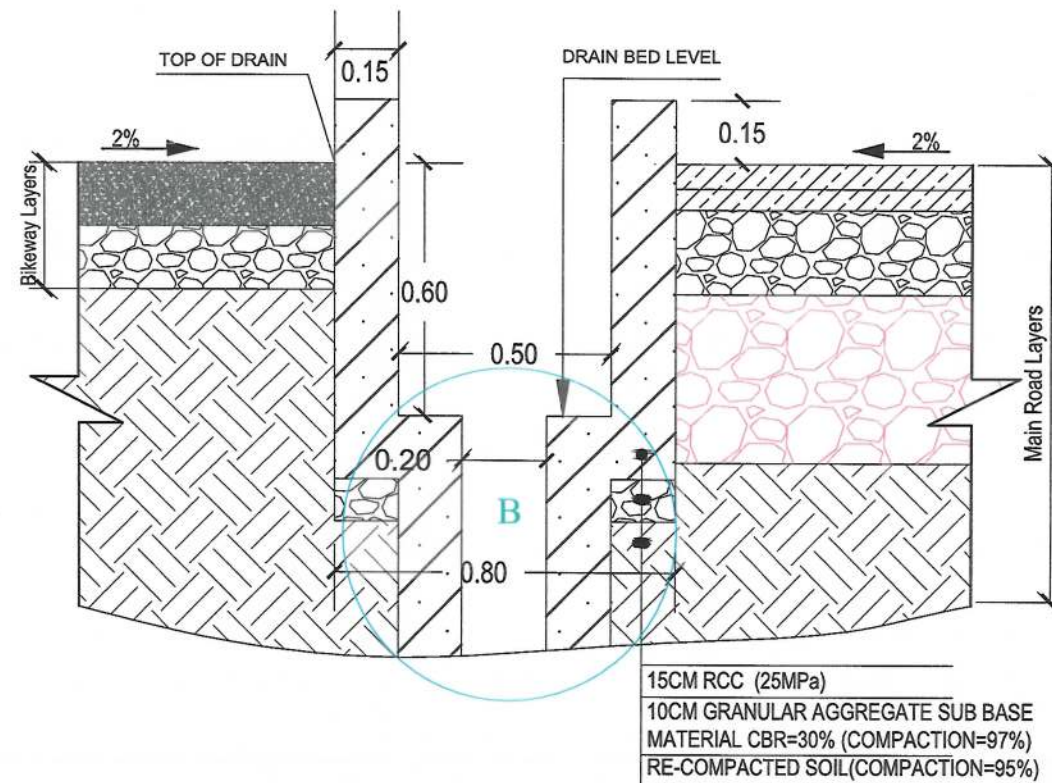
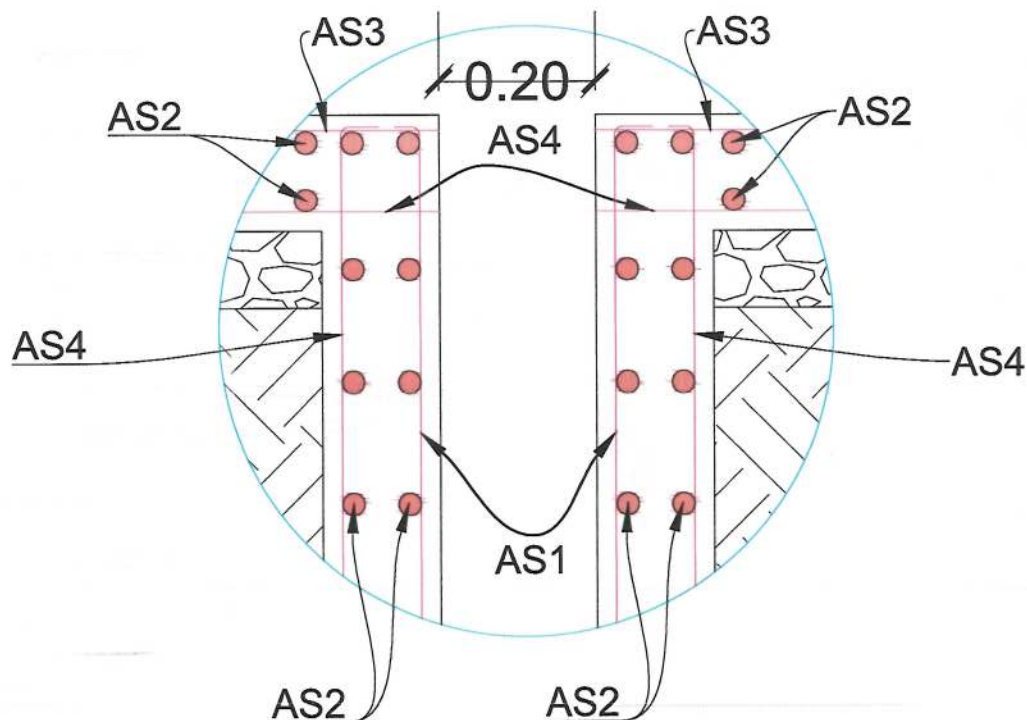
SHEET NO.

Entrance Detail-01

Revision

01

PDF Compressor Free Version



SECTION DIMENSION AND MATERIAL DETAILS
FOR VENTED DITCH ABOVE THE CULVERT

No	Station	Location	Height (m)	Width(m)	Type (RCC)	Remarks
1	0+000 to 0+215	Left side	0.60	0.50	A	Main Alignment
	2+085 to 3+137.50	Left side	0.60	0.50		Main Alignment
	0+000 to 3+845	Right side	0.60	0.50		Main Alignment
2	0+215 to 1+297.25	Left side	0.80	0.70	B	Main Alignment
	0+000 to 1+117.35	Left side	0.80	0.70		Sub Alignment
3	1+297.25 to 1+760.30	Left side	0.90	0.80	C	Main Alignment
	0+000 to 1+117.35	Right side	0.90	0.80		Sub Alignment
4	1+760.30 to 2+085	Left side	1.15	1.00	D	Main Alignment
	3+137.50 to 3+845	Left side	1.15	1.00		Main Alignment

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

NOTE:
20CM Opening should be Provided at each 10M for
Surface Water of Bikoway and Main Road.



Rev.	Date	Revision Details	Drawn	Chkd.	App.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting
road project

Drawing Title:
VENTED SIDE DITCH,
SECTION&DETAILS AND DRAIN
TABLE

Drawn By:

Menhaju Rahmar

Designed By:
Baz Mohammad

Checked By

Hasibullah Shalizi

Date: 19/09/2023

Scale:

Status: **FINAL DESIGN**

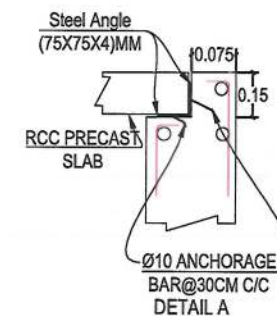
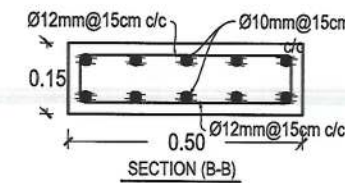
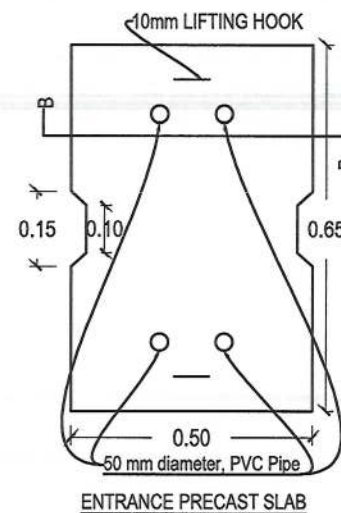
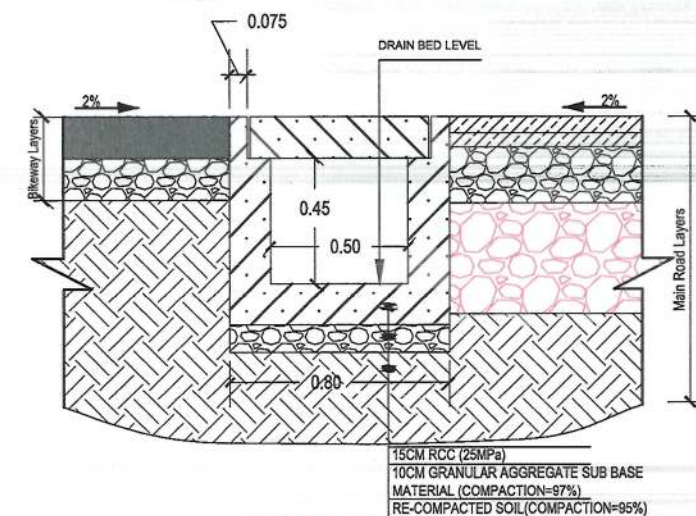
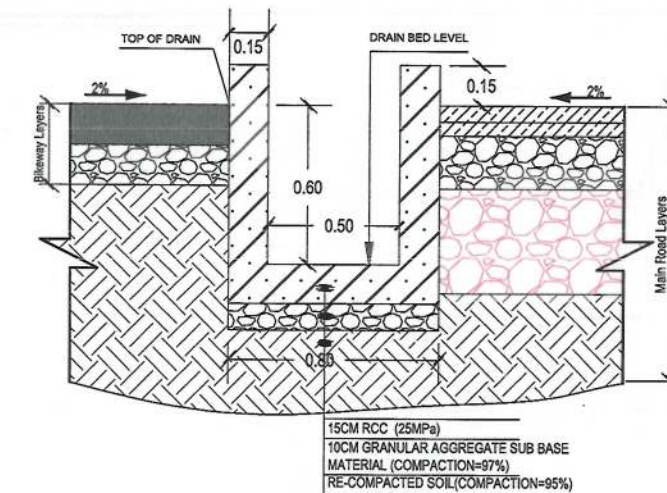
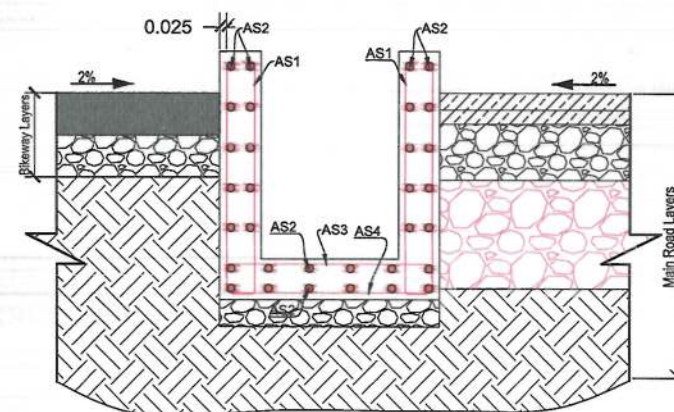
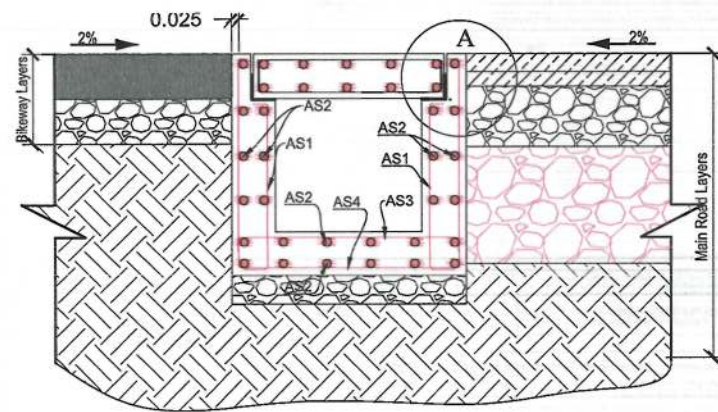
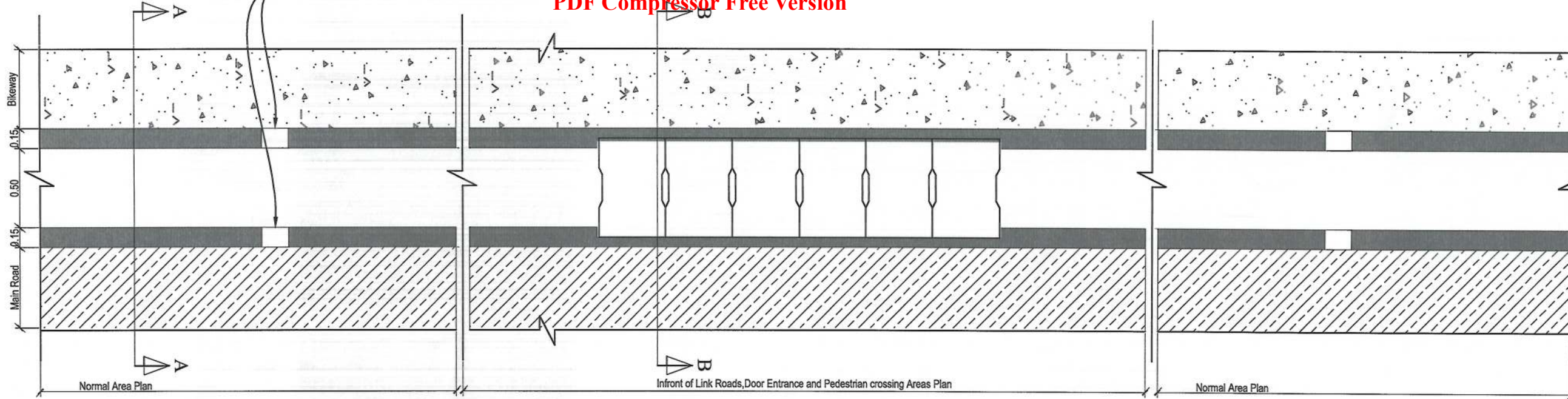
Project Code	
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SHEET NO.	PAGE NO
VENTED SD-DET AND DRAIN TABLE	01

LEFT SIDE DRAIN (STATION 0+000 TO 0+215, 2+085 TO 3+137.50) AND RIGHT SIDE DRAIN (STATION 0+000 TO 3+845) TYPE A

20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.

PDF Compressor Free Version



TYPE A SIDE DITCH (0.5X0.6)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	150	
As2		10	150	
As3		12	150	
As4		12	150	

NOTE:
The height of side drain increased at stations (0+083.44 to 0+140) on both side from (0.6 - 1.85)m, therefore, the side drain at the mentioned stations shall be adjusted gradually and properly as per the site. for more details refer to drainage plan.

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

NOTE:
20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
TYPE A SIDE DITCH PLAN, SECTIONS&DETAILS

Drawn By: Menhaj Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023
Scale:

Status: FINAL DESIGN

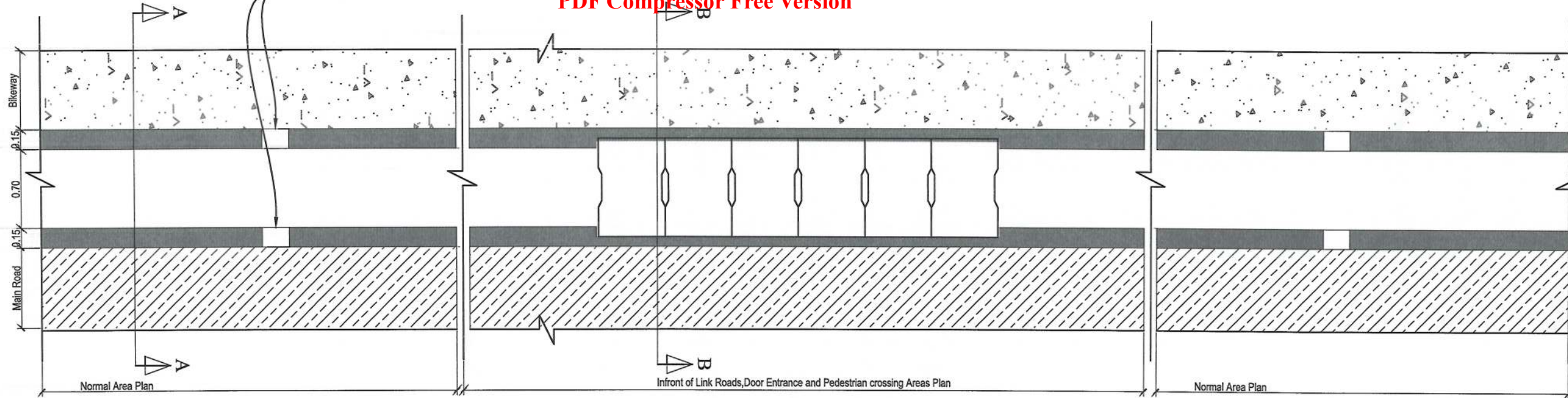
Project Code

SHEET NO. SD-DET-TYPE A
PAGE NO. 01

MAIN ROAD LEFT SIDE DRAIN (STATION 0+215 TO 1+297.25) AND SUB ALIGNMENT LEFT SIDE (STATION 0+000 TO 1+117.35) TYPE B

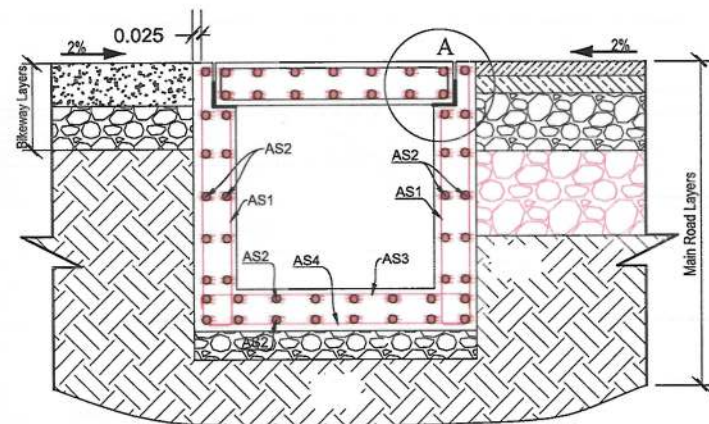
20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.

PDF Compressor Free Version

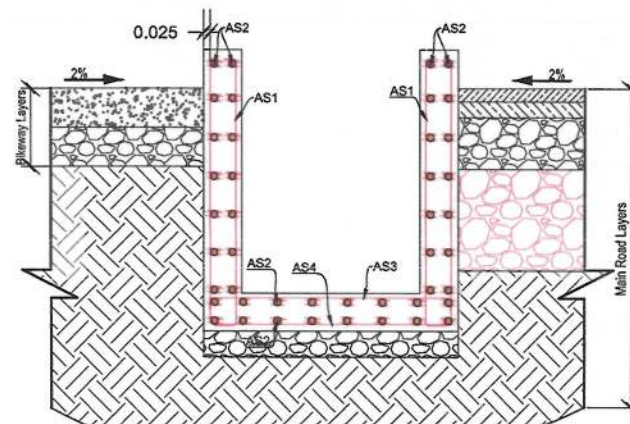


NOTE:
1. All dimensions are in meter unless otherwise indicated.

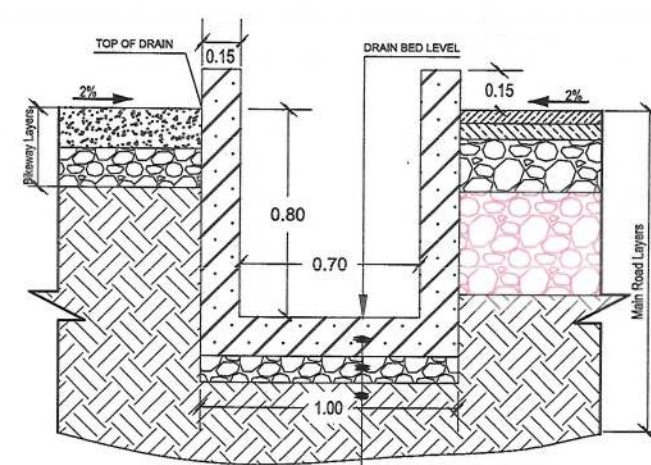
NOTE:
20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.



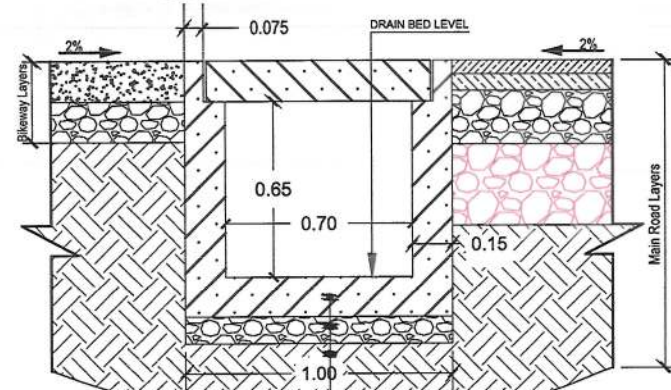
DET-06 SECTION B-B, REINFORCEMENT DETAIL TYPE B



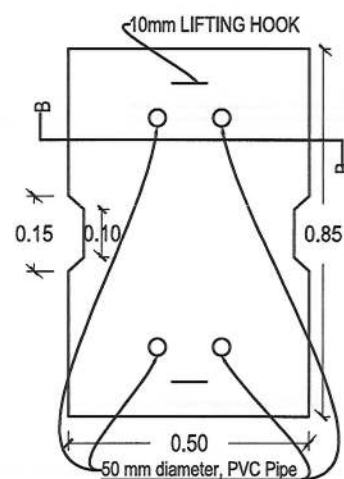
DET-06 SECTION A-A, REINFORCEMENT DETAIL TYPE B



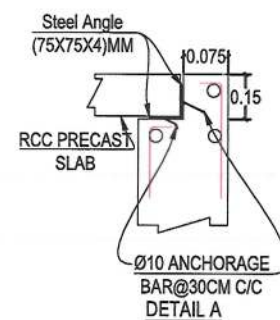
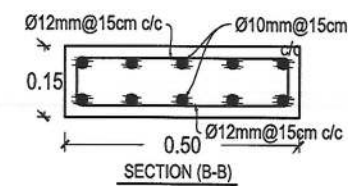
DET-06 SECTION A-A, DIMENSION AND MATERIAL DETAILS FOR NORMAL AREAS TYPE B



DET-06 SECTION B-B, DIMENSION AND MATERIAL DETAILS FOR IN FRONT OF LINK ROADS, DOOR ENTRANCE AREA AND PEDESTRIAN CROSSING LOCATIONS TYPE B



ENTRANCE PRECAST SLAB



TYPE B SIDE DITCH (0.7X0.8)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	150	
As2		10	150	
As3		12	150	
As4		12	150	

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
TYPE B SIDE DITCH PLAN, SECTIONS&DETAILS

Drawn By: Menhaji Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023 Scale:

Status: FINAL DESIGN

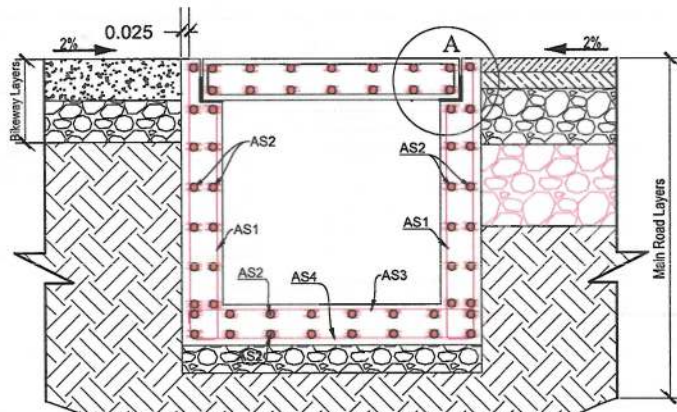
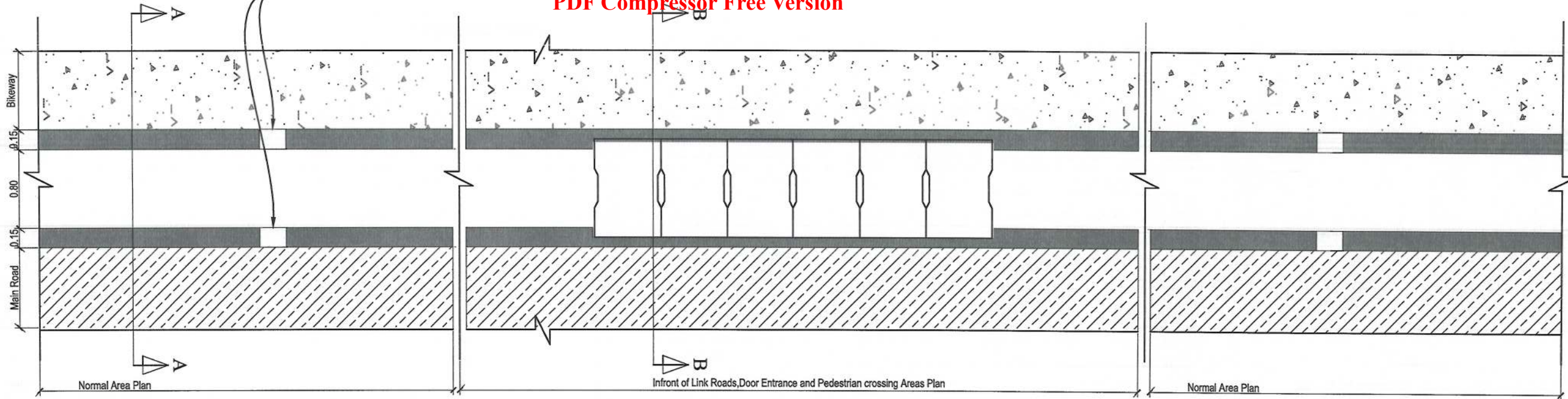
Project Code

SHEET NO. SD-DET-TYPE B PAGE NO. 01

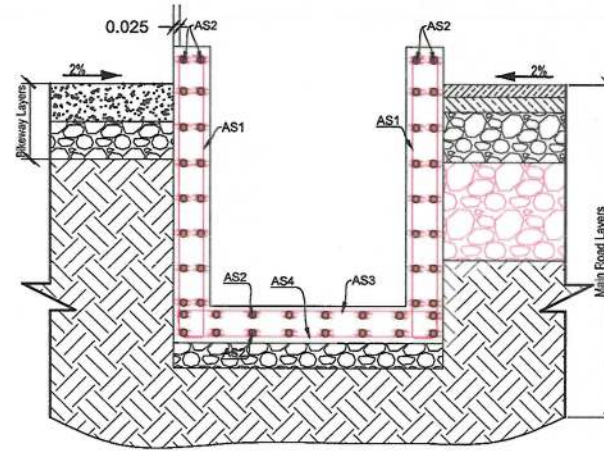
MAIN ROAD LEFT SIDE DRAIN (STATION 1+297.25 TO 1+760.30) AND SUB ALIGNMENT RIGHT SIDE (STATION 0+000 TO 1+117.35) TYPE C

20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.

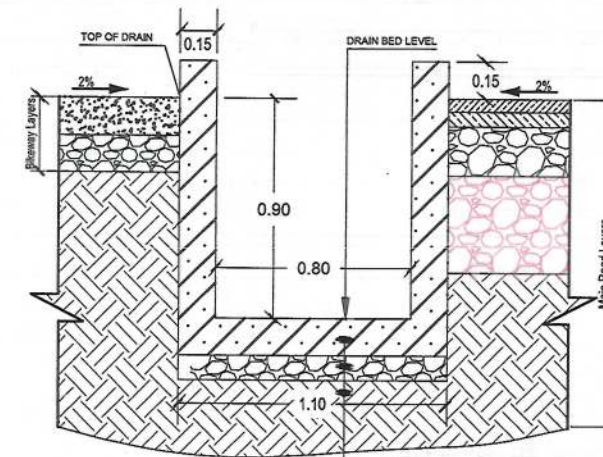
PDF Compressor Free Version



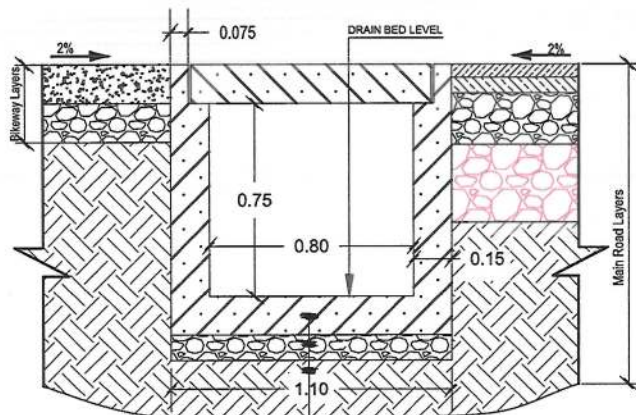
DET-07 TYPE C SECTION B-B, REINFORCEMENT DETAIL



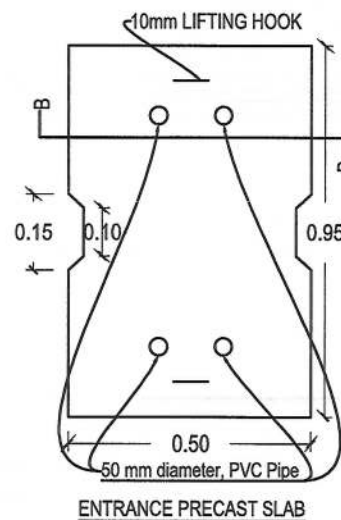
DET-07 TYPE C SECTION A-A, REINFORCEMENT DETAIL



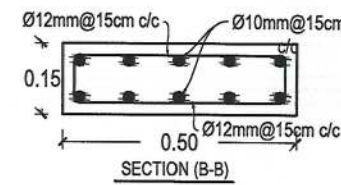
DET-07 TYPE C SECTION A-A, DIMENSION AND MATERIAL DETAILS FOR NORMAL AREAS



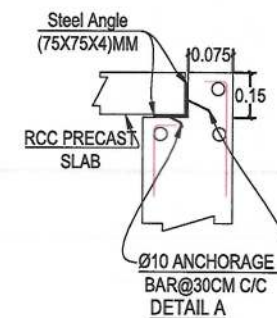
DET-07 TYPE C SECTION B-B, DIMENSION AND MATERIAL DETAILS FOR IN FRONT OF LINK ROADS, DOOR ENTRANCE AREA AND PEDESTRIAN CROSSING LOCATIONS



ENTRANCE PRECAST SLAB



SECTION (B-B)



DETAIL A

TYPE C SIDE DITCH (0.8X0.9)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	150	
As2		10	150	
As3		12	150	
As4		12	150	

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

NOTE:
20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
TYPE C SIDE DITCH PLAN, SECTIONS&DETAILS

Drawn By: Menhaj Rahman
Designed By: Baz Mohammad Raji
Checked By: Hasibullah Shalizi

Date: 19/09/2023
Scale:

Status: FINAL DESIGN

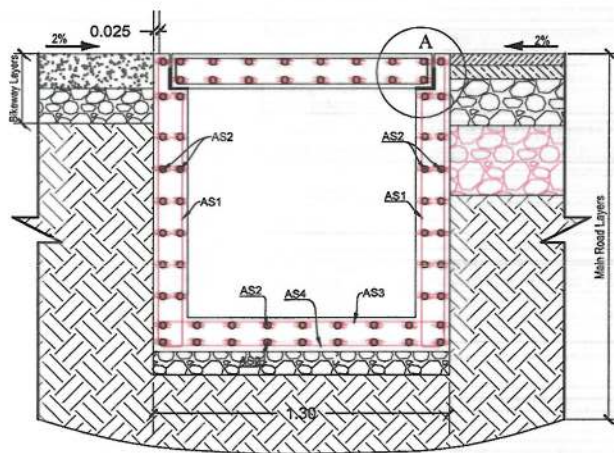
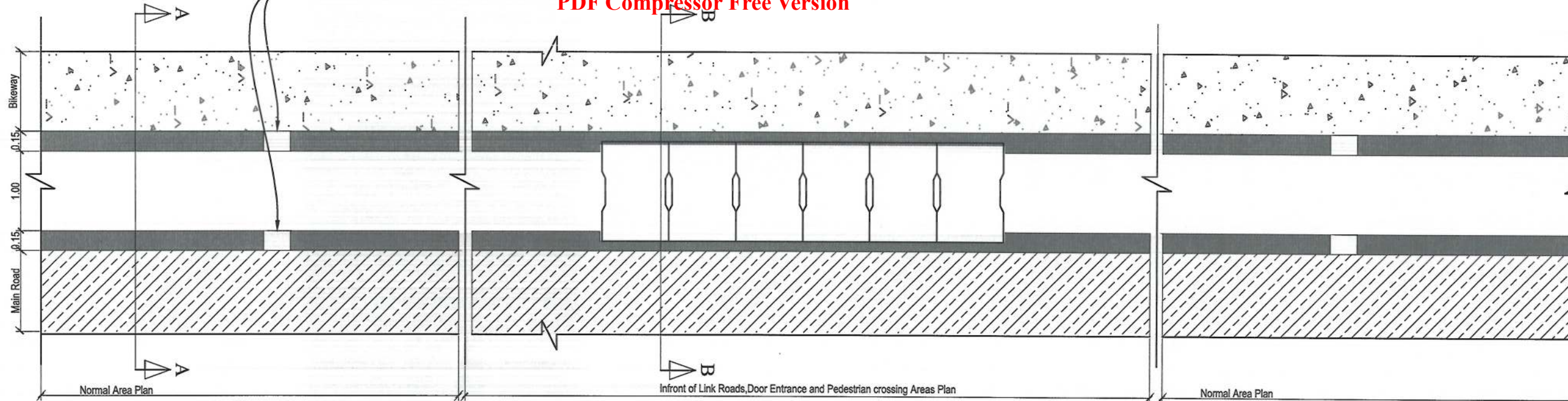
Project Code

SHEET NO. SD-DET-TYPE C
PAGE NO. 01

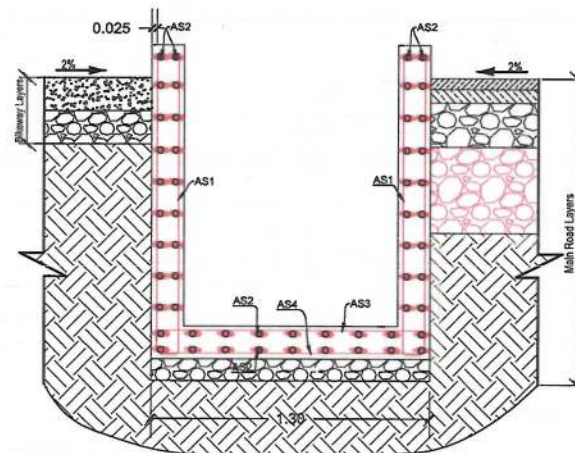
LEFT SIDE DRAIN (STATION 1+760.3 TO 2+085 AND 3+137.5 TO 3+845) TYPE D

20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.

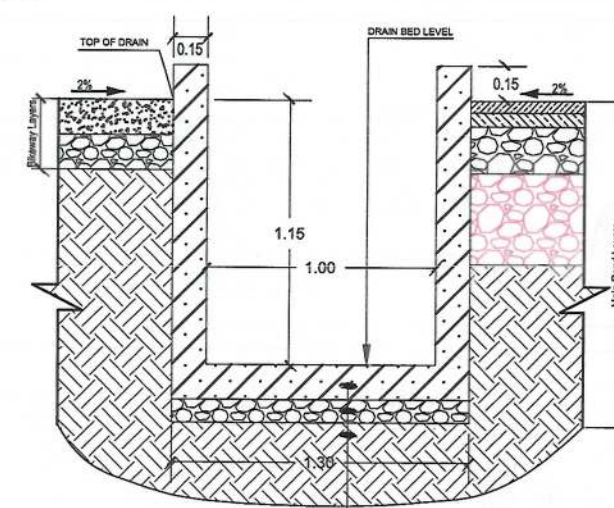
PDF Compressor Free Version



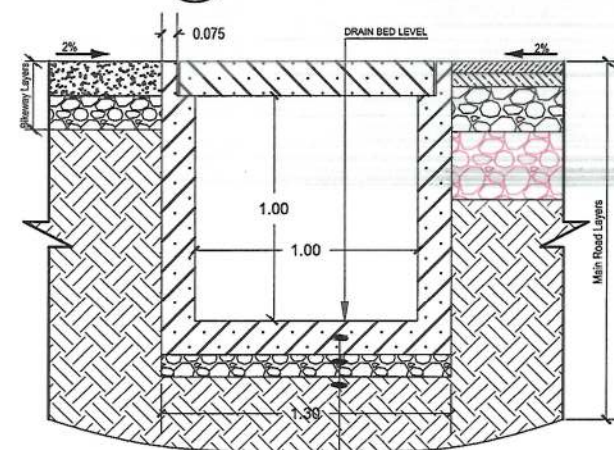
DET-08 TYPE D SECTION B-B, REINFORCEMENT DETAIL



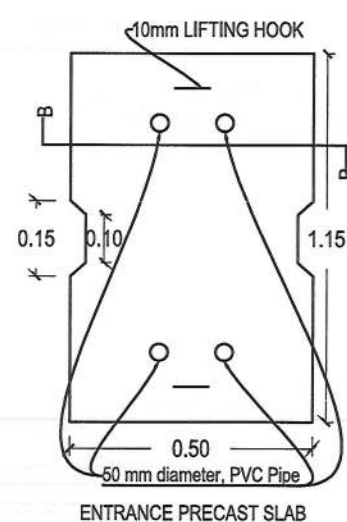
DET-08 TYPE D SECTION A-A, REINFORCEMENT DETAIL



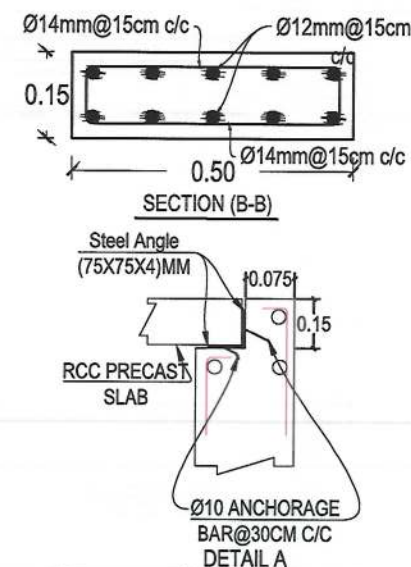
DET-08 TYPE D SECTION A-A, DIMENSION AND MATERIAL DETAILS FOR NORMAL AREAS



DET-08 TYPE D SECTION B-B, DIMENSION AND MATERIAL DETAILS FOR IN FRONT OF LINK ROADS, DOOR ENTRANCE AREA AND PEDESTRIAN CROSSING LOCATIONS



ENTRANCE PRECAST SLAB



SECTION (B-B)

TYPE D SIDE DITCH (1.00X1.15)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	

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

NOTE:
20CM Opening should be Provided at each 10M for Surface Water of Bikeway and Main Road.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting road project

Drawing Title:
TYPE D SIDE DITCH PLAN, SECTIONS&DETAILS

Drawn By: Menhaj Rahman

Designed By: Baz Mohammad Raji

Checked By: Hasibullah Shalizi

Signature:

Signature:

Signature:

Date: 19/09/2023

Scale:

Status: FINAL DESIGN

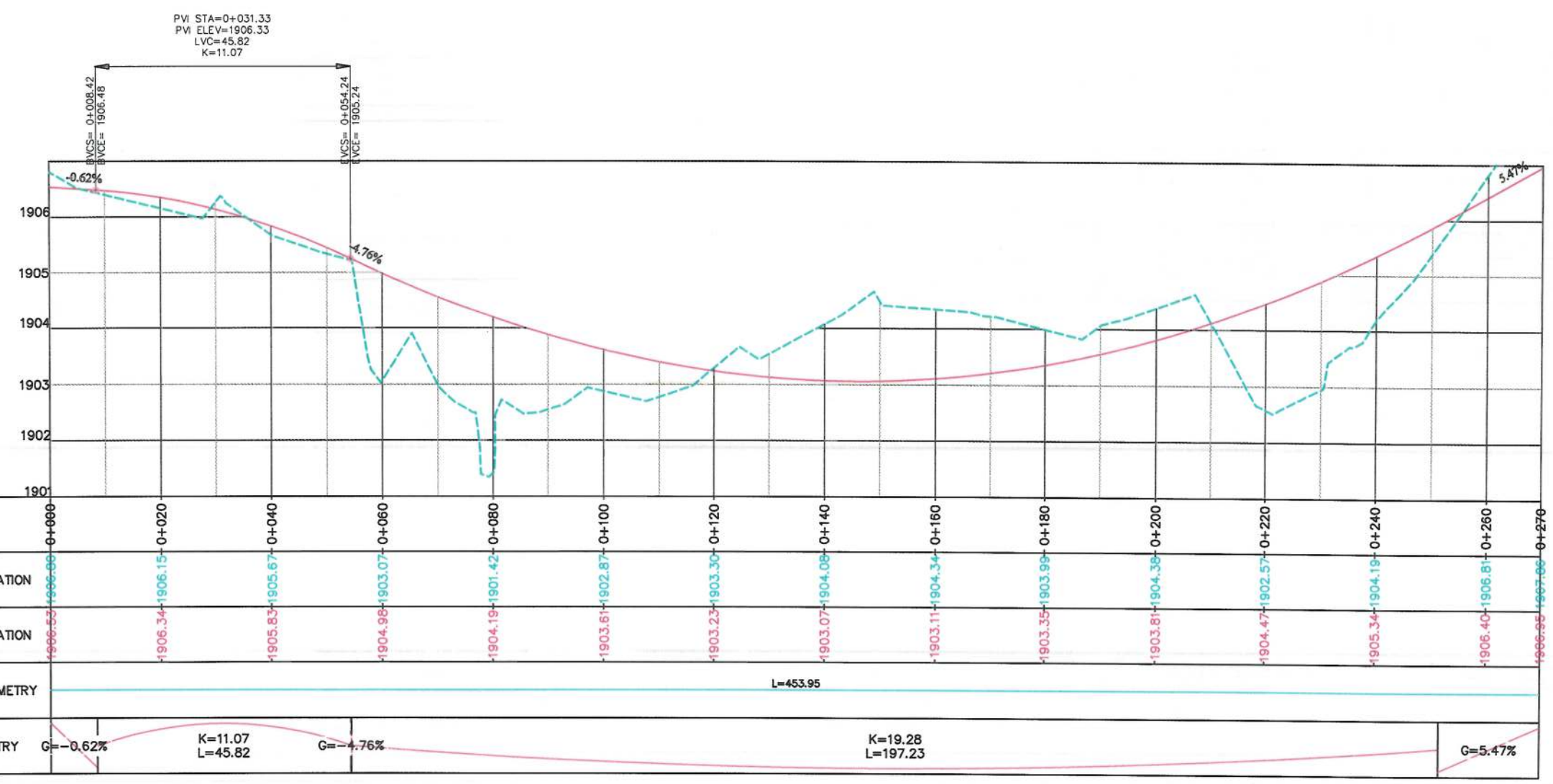
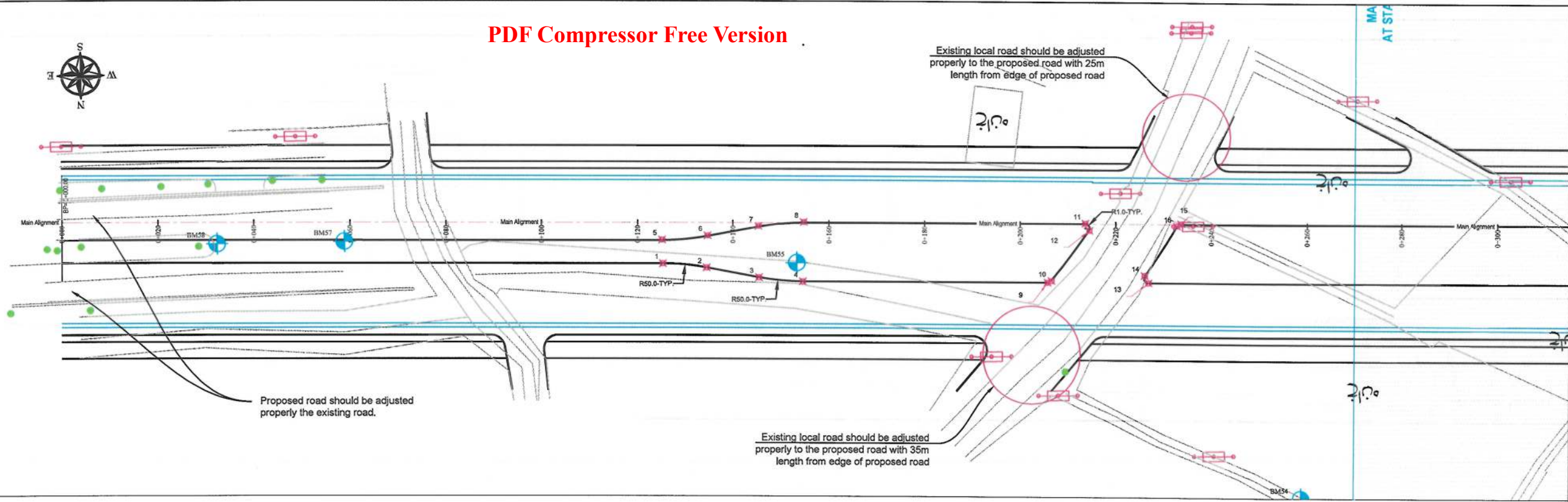
Project Code

SHEET NO.

SD-DET-TYPE D

PAGE NO

01



STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+270
EXISTING ELEVATION	1906.53	1906.15	1905.67	1905.07	1904.42	1903.87	1903.30	1904.08	1904.34	1903.99	1904.38	1902.57	1904.19	1906.81	1906.56
FINISHED ELEVATION	1906.53	1906.34	1905.83	1904.98	1904.19	1903.61	1903.23	1903.07	1903.11	1903.35	1903.81	1904.47	1905.34	1906.40	1906.56
HORIZONTAL GEOMETRY	L=453.95														
VERTICAL GEOMETRY	G=-0.62% K=11.07 L=45.82 G=-4.76% K=19.28 L=197.23 G=5.47%														

NOTE:

- 1- All dimensions are in meter unless indicated
- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: PLAN & PROFILE (Main Alignment)

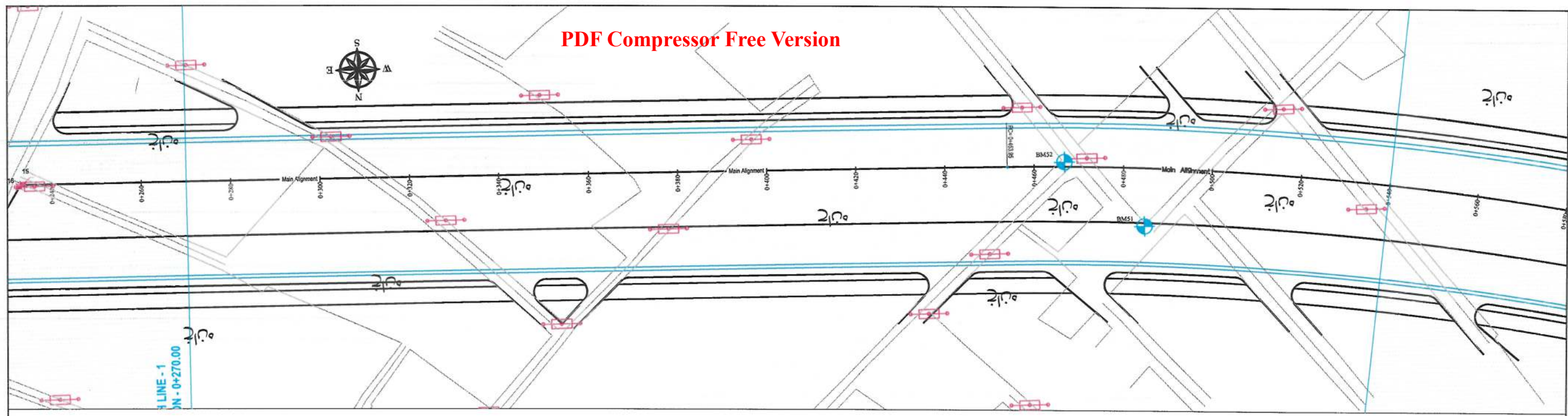
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/23/2023
Scale: 1:1000

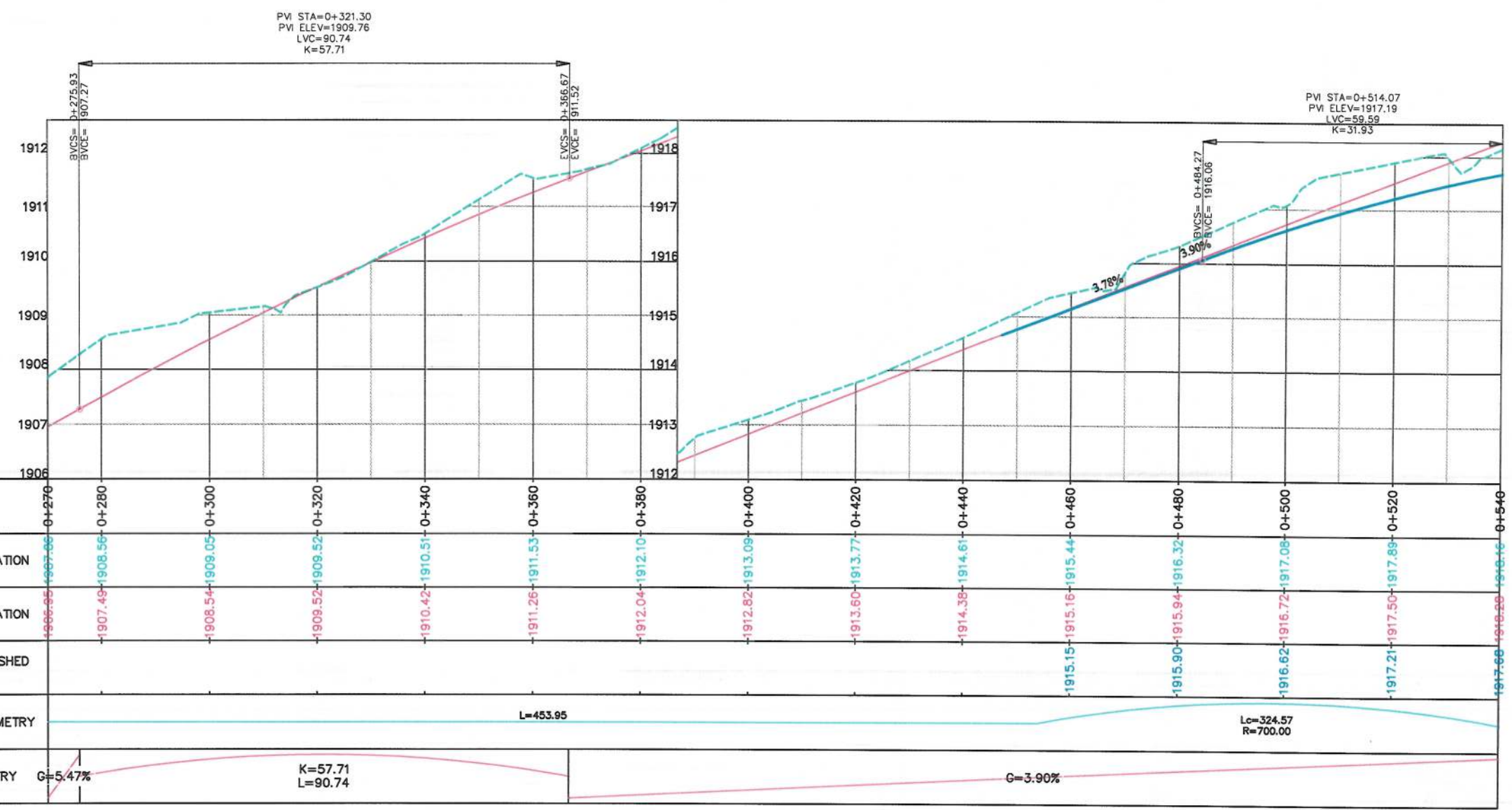
Status: FINAL DESIGN

Project Code: PP-1

Drawing Number: 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:  KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: PLAN & PROFILE (Main Alignment)

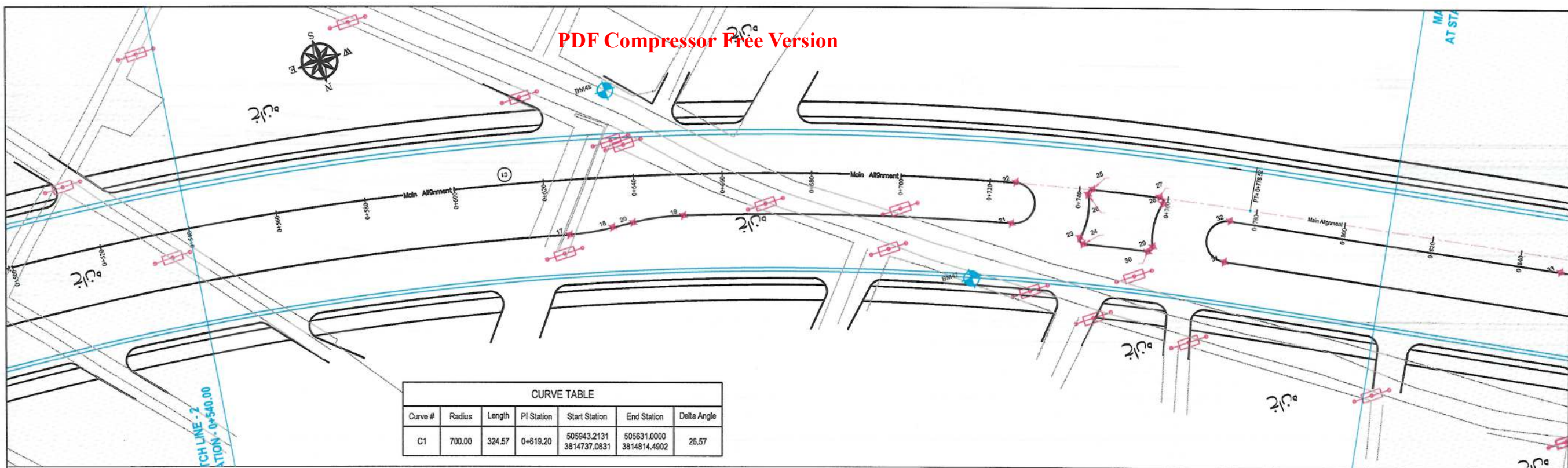
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/23/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

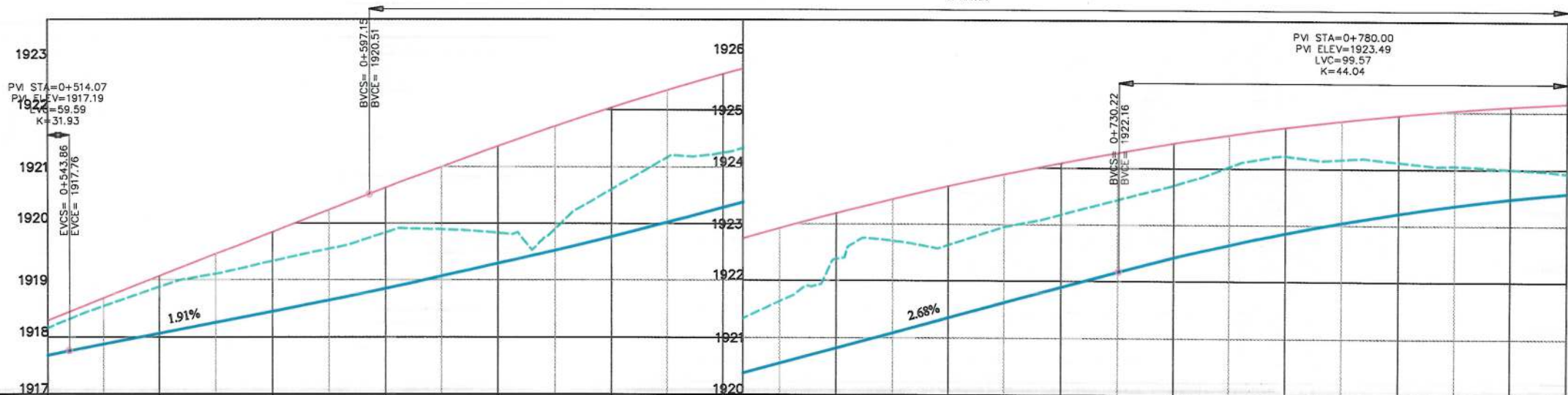
Drawing Number: PP-2
Revision: 00



- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



PVI STA=0+711.38
PVI ELEV=1924.96
LVC=228.46
K=61.89



STATION	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+810
EXISTING ELEVATION	1917.66	1918.07	1918.45	1918.85	1919.29	1919.76	1920.28	1920.82	1921.35	1921.89	1922.41	1922.86	1923.21	1923.48	1923.57
LEFT SIDE FINISHED ELEVATION	1918.16	1919.06	1919.84	1920.62	1921.36	1922.03	1922.64	1923.19	1923.67	1924.08	1924.43	1924.72	1924.94	1925.09	1925.15
RIGHT SIDE FINISHED ELEVATION	1917.76	1918.88	1919.33	1919.84	1919.83	1920.60	1921.25	1922.38	1922.63	1923.17	1923.69	1924.22	1924.12	1924.00	1923.92
HORIZONTAL GEOMETRY	L=324.57 R=700.00														
VERTICAL GEOMETRY	G=3.90% K=61.89 L=228.46														

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
PLAN & PROFILE (Main Alignment)

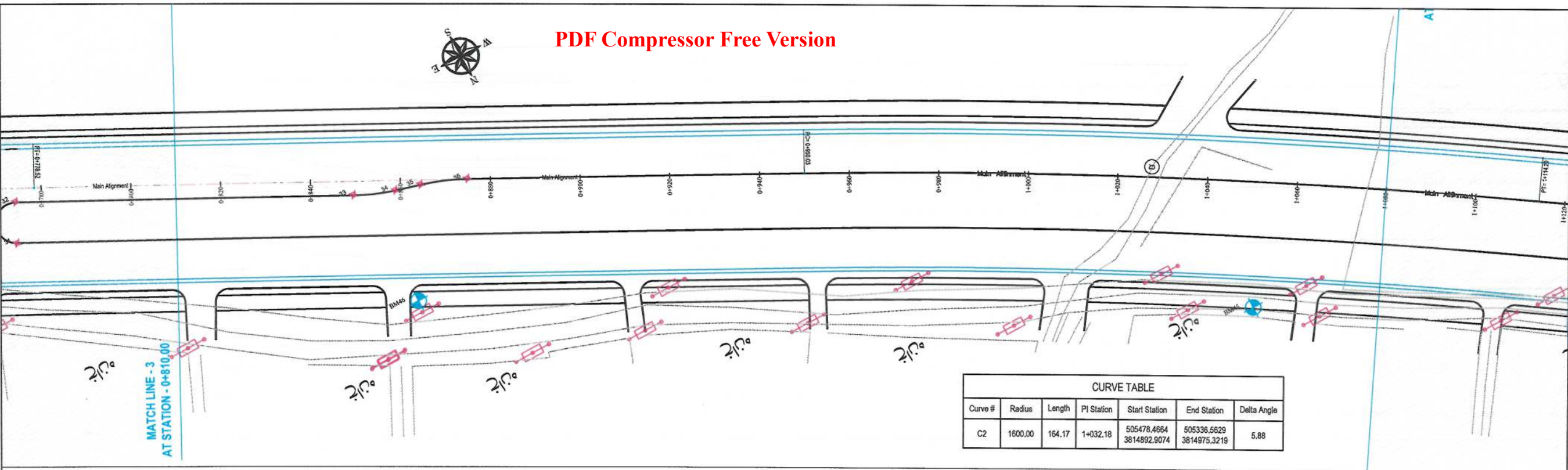
Designed by:
Mohammad Essa Sirat
Signature: [Signature]
Drawn by:
Mohammad Essa Sirat
Signature: [Signature]
Checked by:
Hasibullah Shalizi
Signature: [Signature]

Date:
9/23/2023
Scale:
1:1000

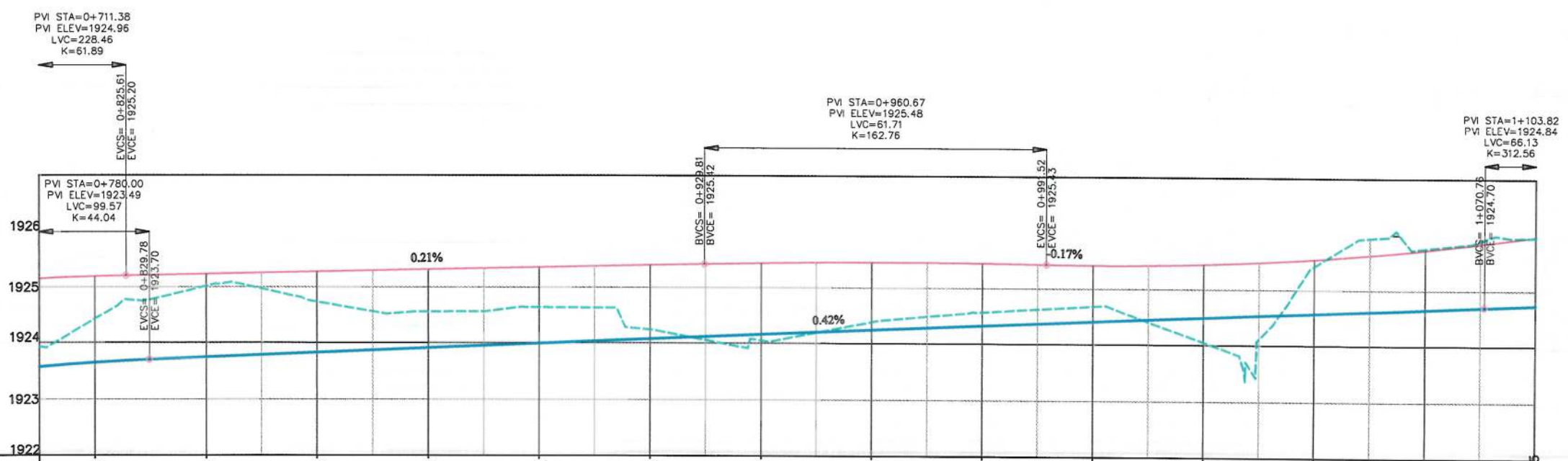
Status:
FINAL DESIGN

Project Code

Drawing Number
PP-3
Revision
00



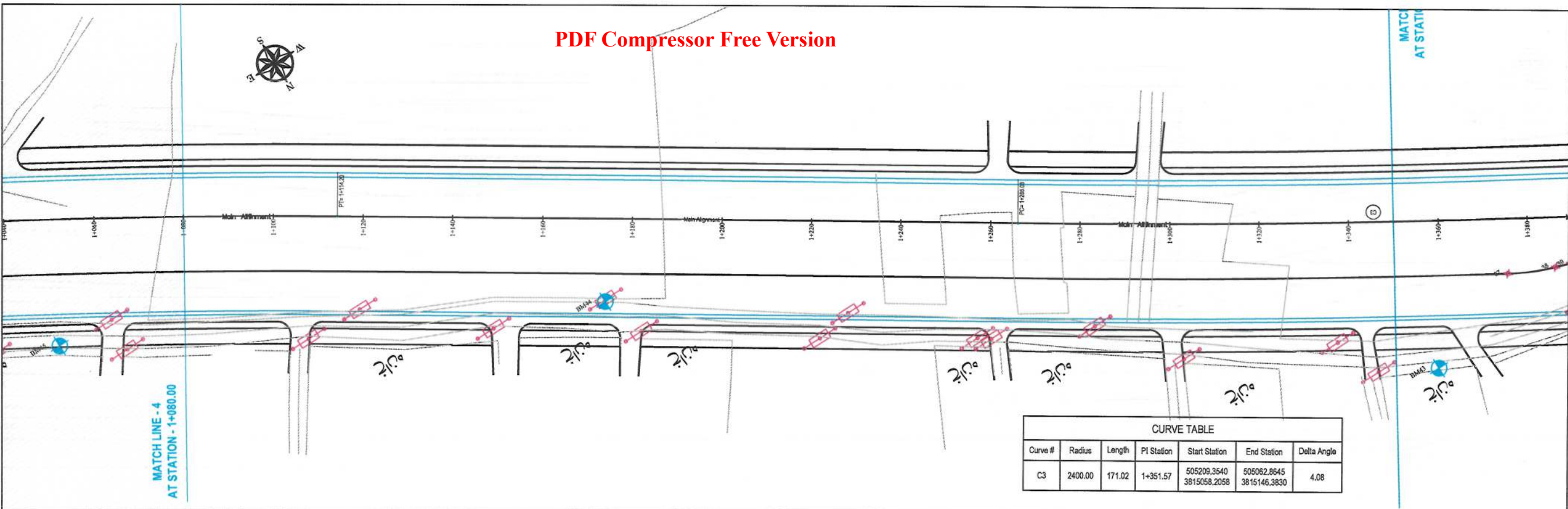
- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



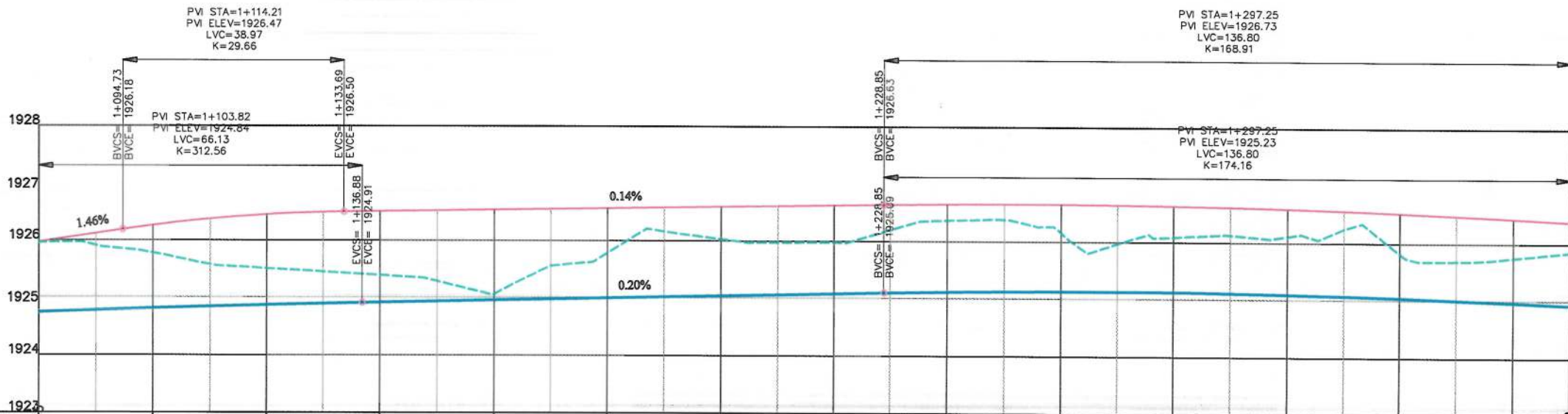
STATION	0+816	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+079.995
EXISTING ELEVATION	1923.52	1924.43	1925.02	1924.74	1924.56	1924.64	1924.24	1924.05	1924.38	1924.57	1924.69	1924.05	1925.43	1925.75	1925.93
LEFT SIDE FINISHED ELEVATION	1925.15	1925.19	1925.23	1925.27	1925.31	1925.35	1925.40	1925.43	1925.45	1925.44	1925.42	1925.44	1925.54	1925.72	1925.97
RIGHT SIDE FINISHED ELEVATION	1923.57	1923.55	1923.74	1923.83	1923.91	1923.99	1924.08	1924.16	1924.24	1924.32	1924.41	1924.49	1924.57	1924.66	1924.74
HORIZONTAL GEOMETRY	L=171.51														
VERTICAL GEOMETRY	K=61.89 L=228.46														

G=0.21%					K=162.76 L=61.71					G=-0.17%					K=53.26 L=86.83				
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Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	PLAN & PROFILE (Main Alignment)	
Designed by:	Mohammad Essa Sirat	Signature:
Drawn by:	Mohammad Essa Sirat	Signature:
Checked by:	Hasibullah Shalizi	Signature:
Date:	9/23/2023	Scale:
Status:	FINAL DESIGN	
Project Code		
Drawing Number	PP-4	Revision
		00

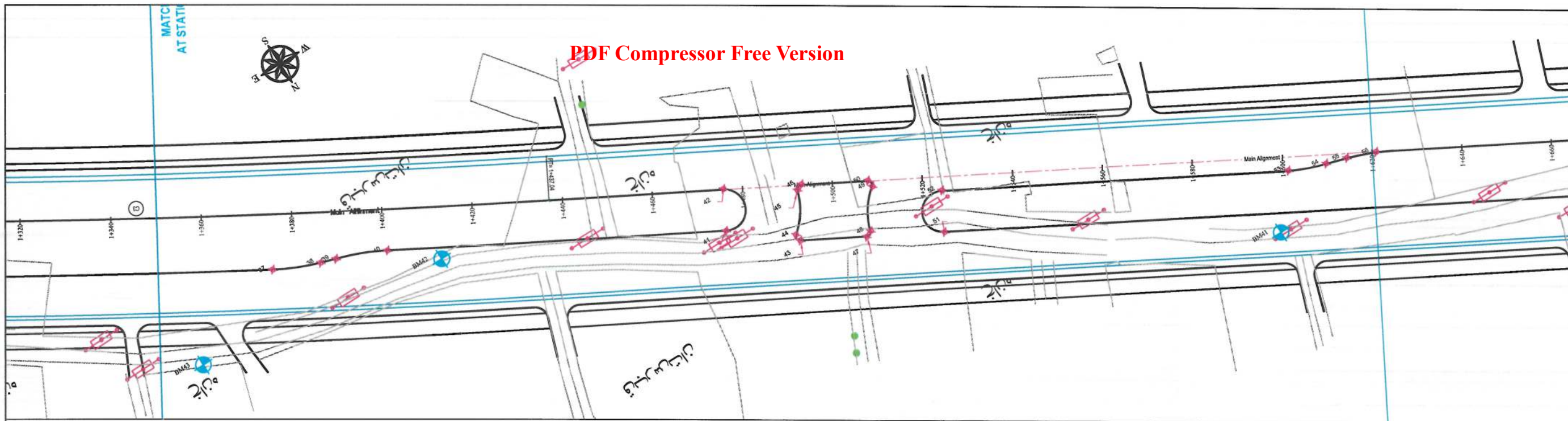


- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

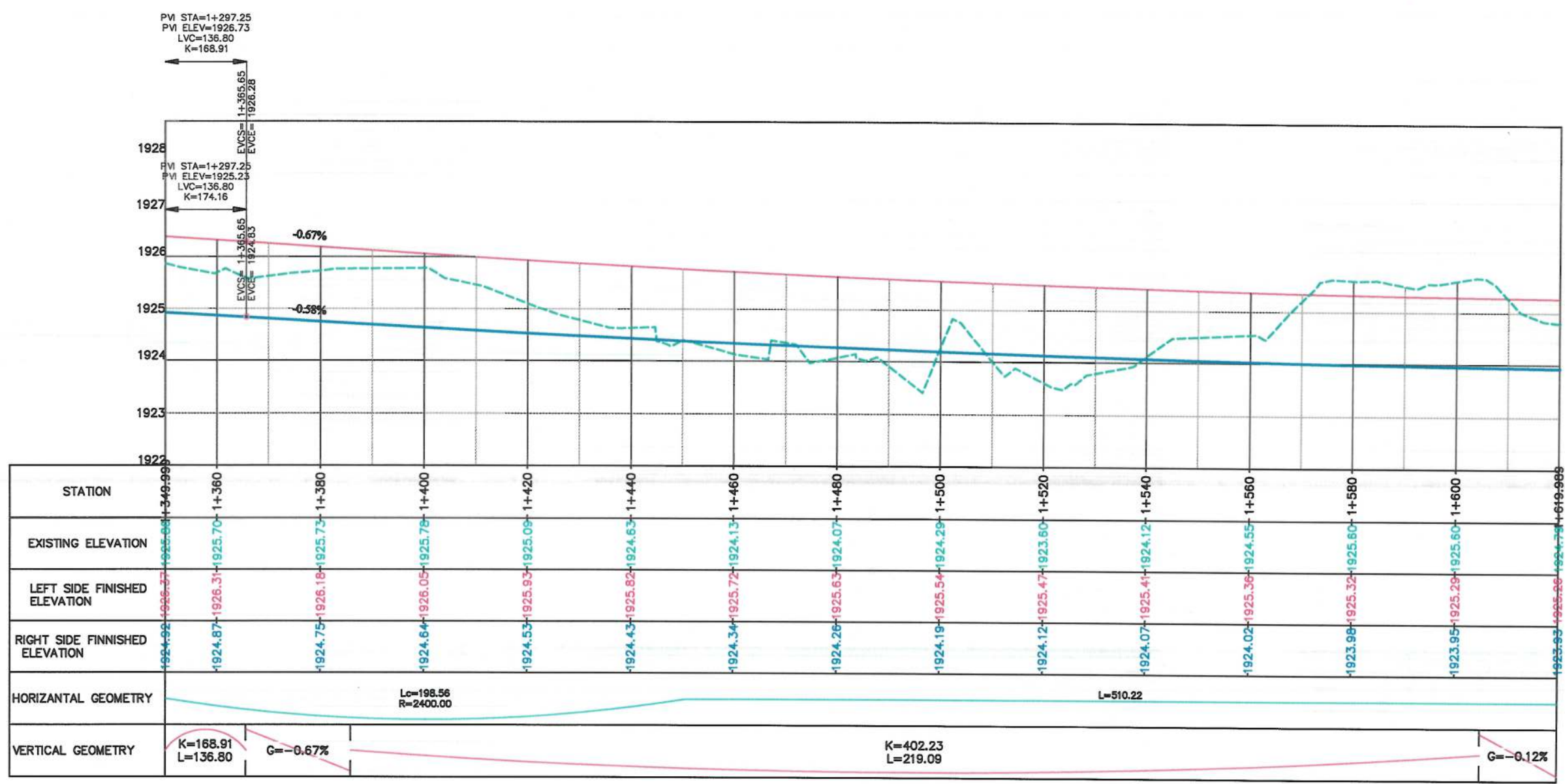


STATION	1+000	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+350
EXISTING ELEVATION	1924.74	1924.81	1924.87	1924.91	1924.95	1924.99	1925.03	1925.07	1925.11	1925.13	1925.12	1925.09	1925.04	1924.96	1924.92
LEFT SIDE FINISHED ELEVATION	1925.37	1926.26	1926.44	1926.50	1926.53	1926.56	1926.59	1926.62	1926.65	1926.65	1926.63	1926.59	1926.52	1926.43	1926.37
RIGHT SIDE FINISHED ELEVATION	1924.74	1924.81	1924.87	1924.91	1924.95	1924.99	1925.03	1925.07	1925.11	1925.13	1925.12	1925.09	1925.04	1924.96	1924.92
HORIZONTAL GEOMETRY	Lc=164.17 R=1600.00		L=151.83										Lc=171.02 R=2400.00		
VERTICAL GEOMETRY	K=53.26 L=66.83 G=1.46%		K=29.66 L=38.97		G=0.14%						K=168.91 L=136.80				

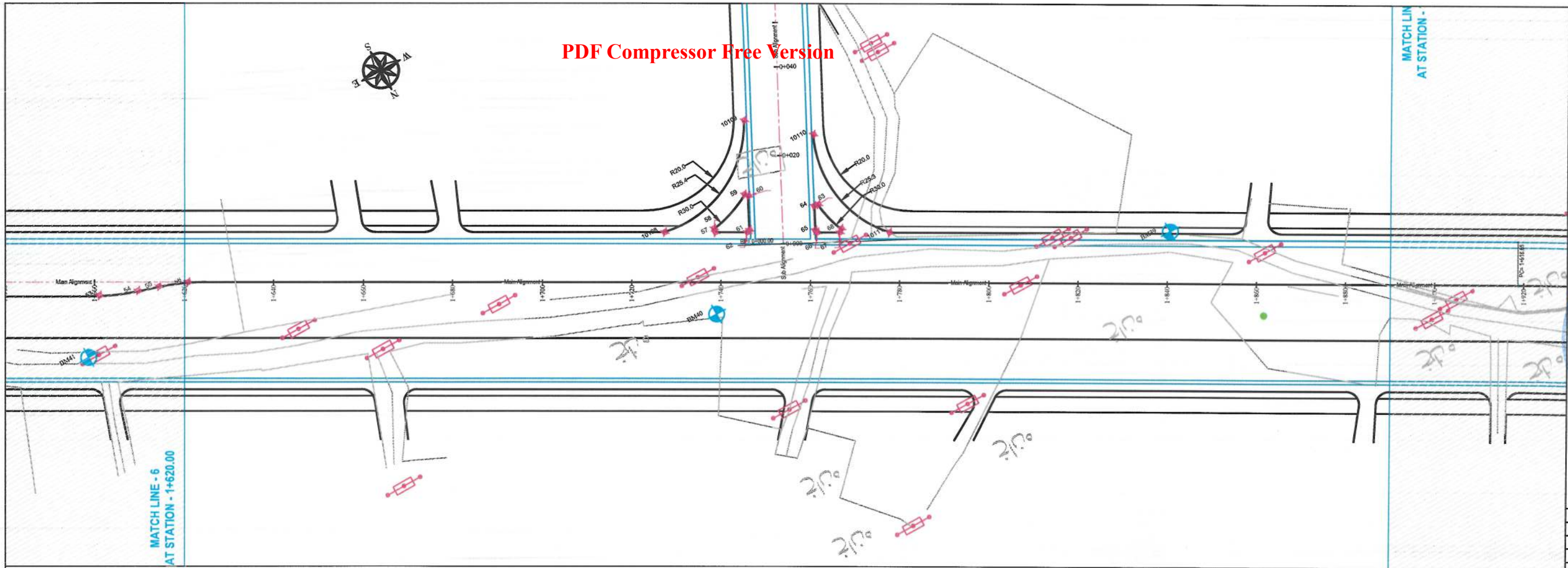
Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	PLAN & PROFILE (Main Alignment)	
Designed by:	Mohammad Essa Sirat	Signature: [Signature]
Drawn by:	Mohammad Essa Sirat	Signature: [Signature]
Checked by:	Hasibullah Shalizi	Signature: [Signature]
Date:	9/23/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	PP-5	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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: PLAN & PROFILE (Main Alignment)		
Designed by: Mohammad Essa Sirat	Signature:	
Drawn by: Mohammad Essa Sirat	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/26/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number: PP-6	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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

PLAN & PROFILE
(Main Alignment)

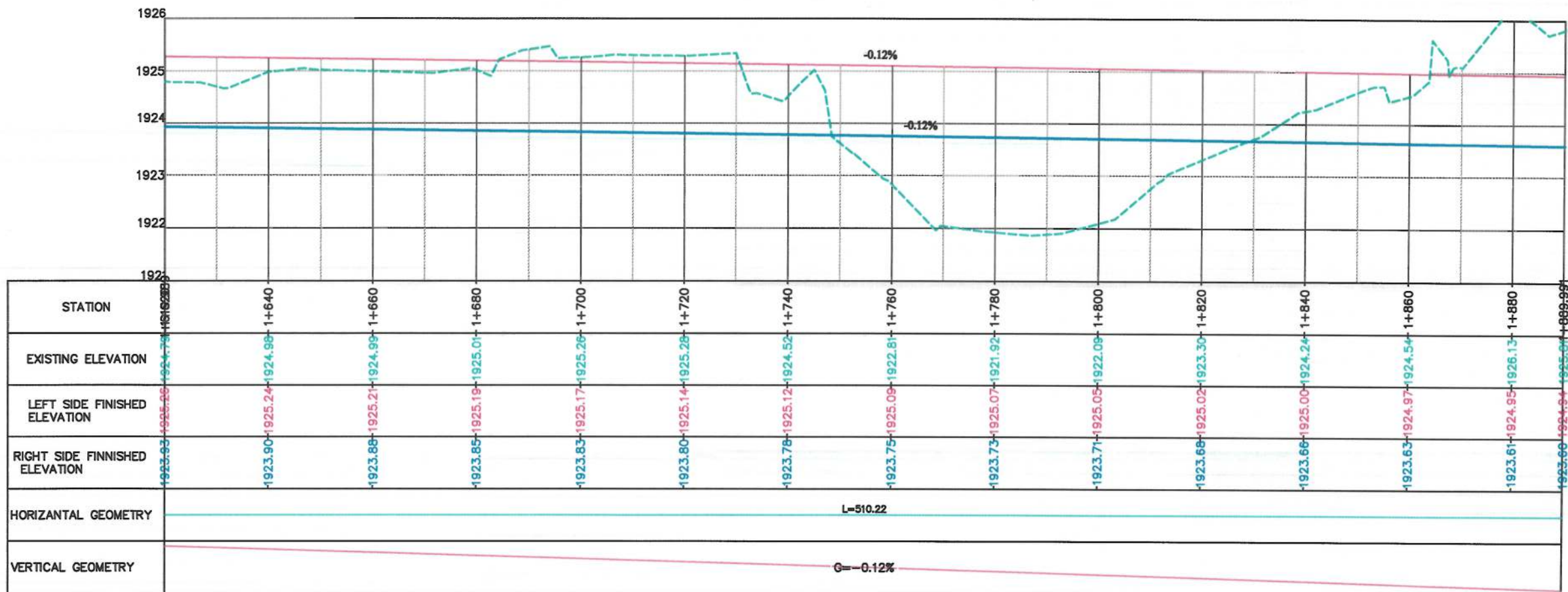
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

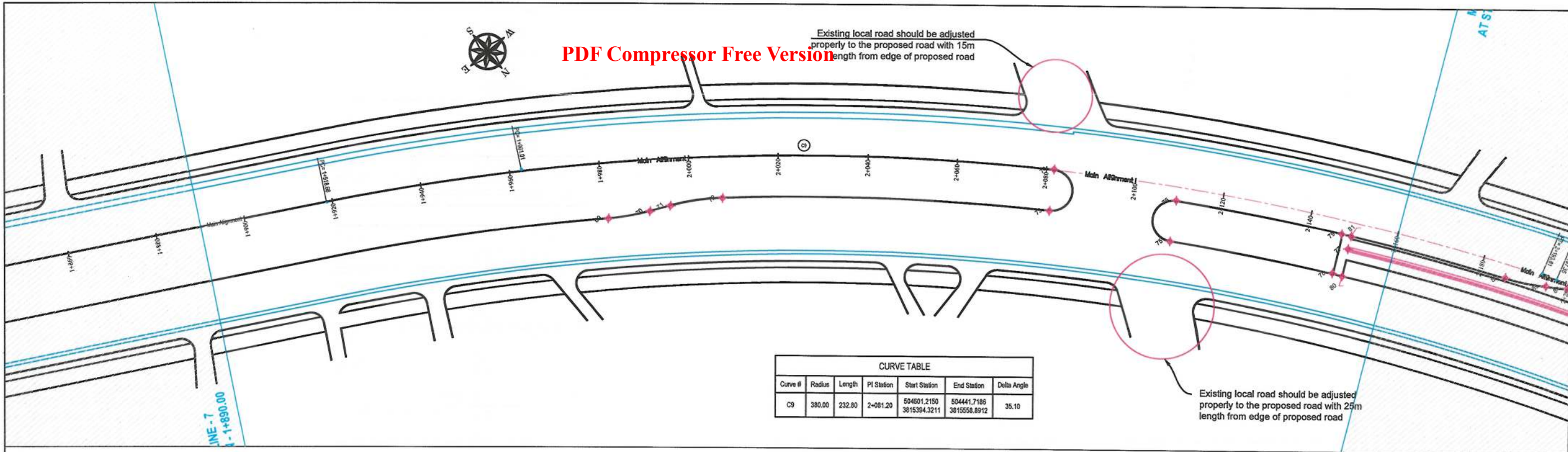
Date: 9/26/2023	Scale: 1:1000
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Status:
FINAL DESIGN

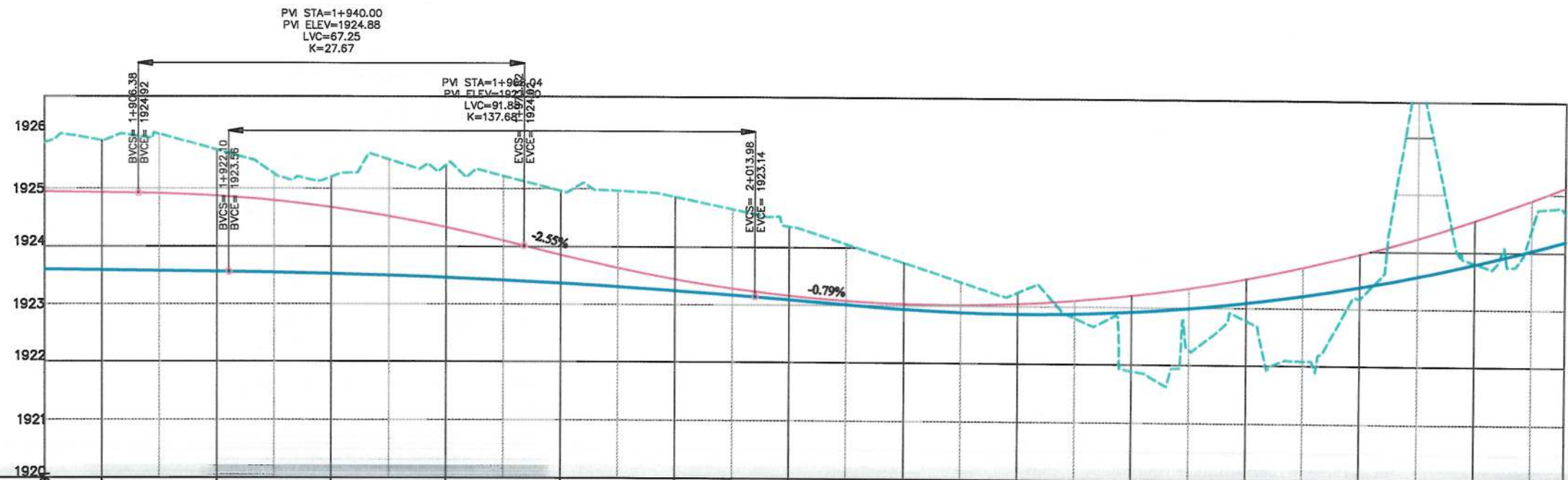
Project Code

Drawing Number PP-7	Revision 00
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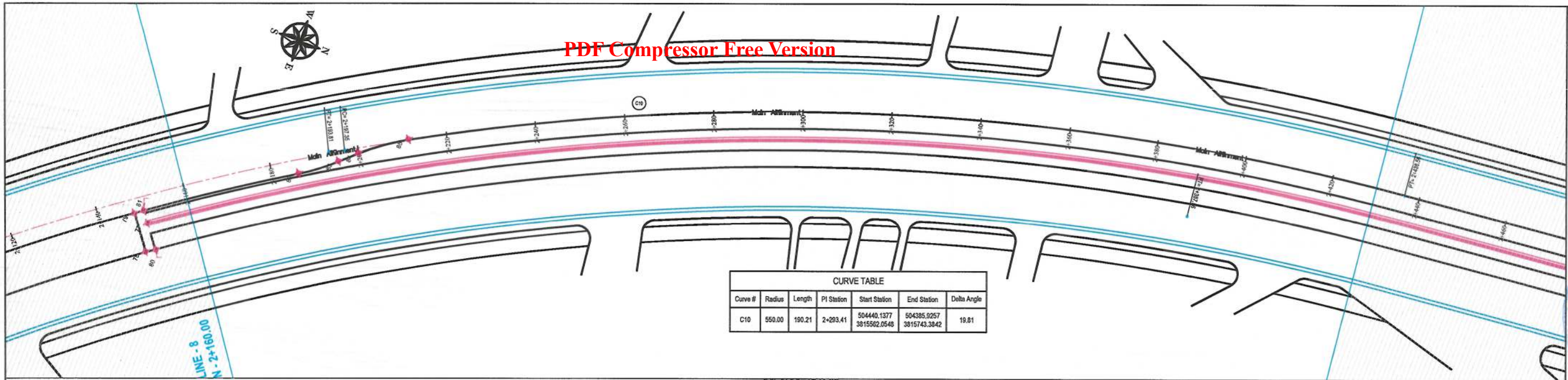


- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



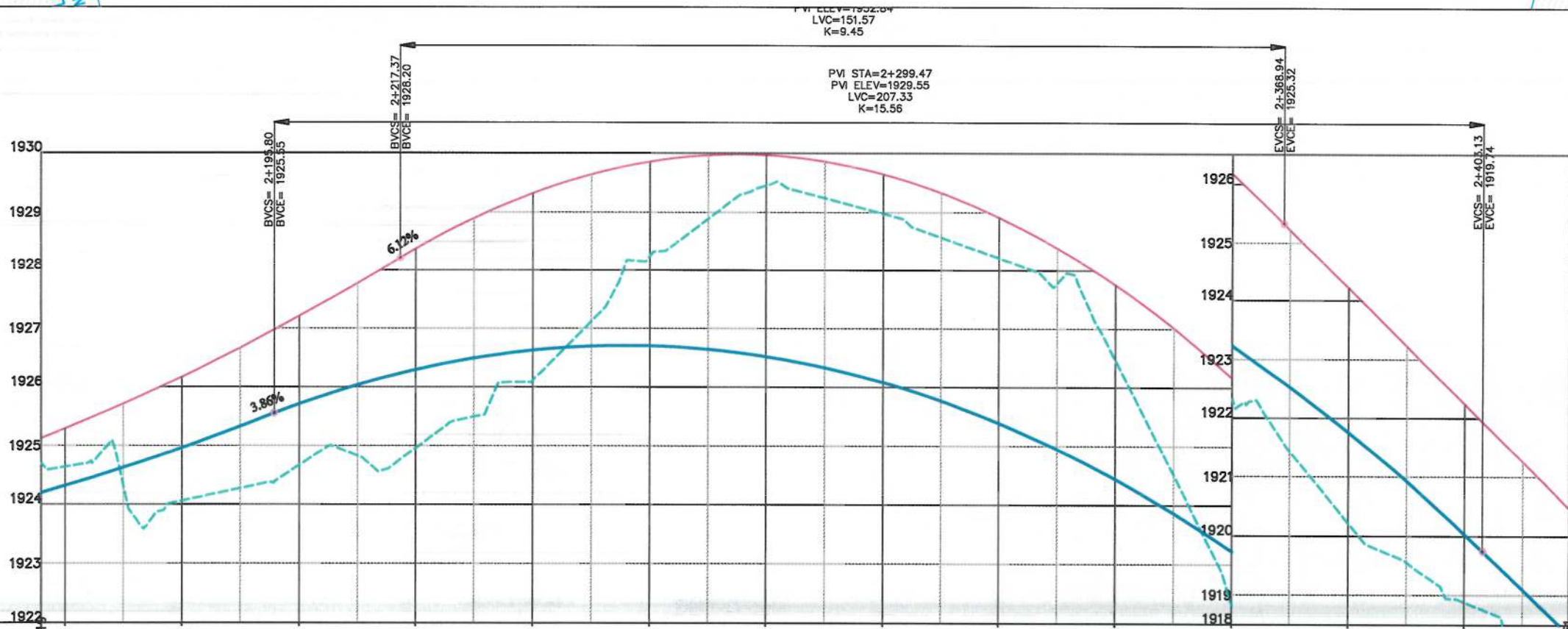
STATION	1+889.99	1+900	1+920	1+940	1+960	1+980	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+155.919
EXISTING ELEVATION	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58
LEFT SIDE FINISHED ELEVATION	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58
RIGHT SIDE FINISHED ELEVATION	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58	1923.58
HORIZONTAL GEOMETRY	L=510.22														L=232.80 R=380.00
VERTICAL GEOMETRY	G=-0.12%														G=-2.55% K=27.67 L=67.25 G=-0.79% K=27.59 L=239.12

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: PLAN & PROFILE (Main Alignment)		
Designed by: Mohammad Essa Sirat	Signature:	
Drawn by: Mohammad Essa Sirat	Signature:	
Checked by: Hasbullah Shalizi	Signature:	
Date: 9/27/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number: PP-8	Revision: 00	



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C10	550.00	190.21	2+293.41	504440.1377 3815562.0548	504385.9257 3815743.3842	19.81

- NOTE:
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 - 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.
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STATION	2+155.81 2+160 2+180 2+200 2+220 2+240 2+260 2+280 2+300 2+320 2+340 2+360 2+380 2+400 2+417.95														
EXISTING ELEVATION	1924.20	1925.12	1925.83	1924.63	1924.96	1926.17	1924.06	1924.66	1925.71	1927.19	1924.66	1926.30	1928.36	1926.12	1928.25
LEFT SIDE FINISHED ELEVATION	1924.20	1925.12	1925.83	1924.63	1924.96	1926.17	1924.06	1924.66	1925.71	1927.19	1924.66	1926.30	1928.36	1926.12	1928.25
RIGHT SIDE FINISHED ELEVATION	1924.20	1925.12	1925.83	1924.63	1924.96	1926.17	1924.06	1924.66	1925.71	1927.19	1924.66	1926.30	1928.36	1926.12	1928.25
HORIZONTAL GEOMETRY	L=232.80 R=380.00 L=3.54 L=190.21 R=550.00 L=1008.98														
VERTICAL GEOMETRY	K=27.59 L=239.12 G=6.12% K=9.45 L=151.57 G=-9.92%														

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
PLAN & PROFILE (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasbullah Shalizi

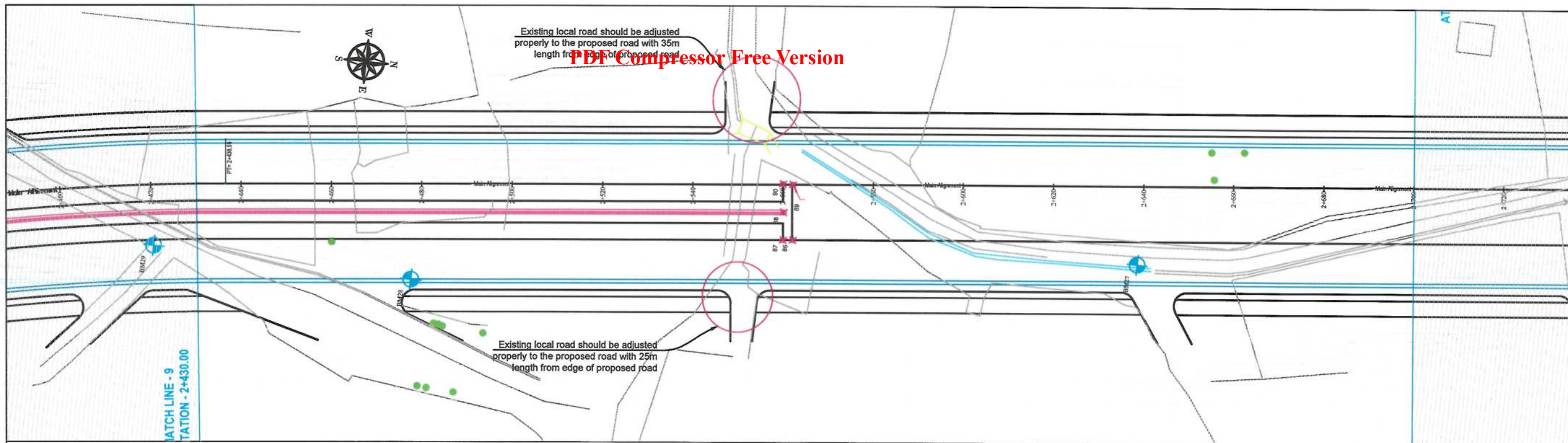
Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 9/27/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code

Drawing Number: PP-9
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 properly.
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 - 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
PLAN & PROFILE
(Main Alignment)

Designed by: Mohammad Essa Sirt
Drawn by: Mohammad Essa Sirt
Checked by: Hasibullah Shalizi

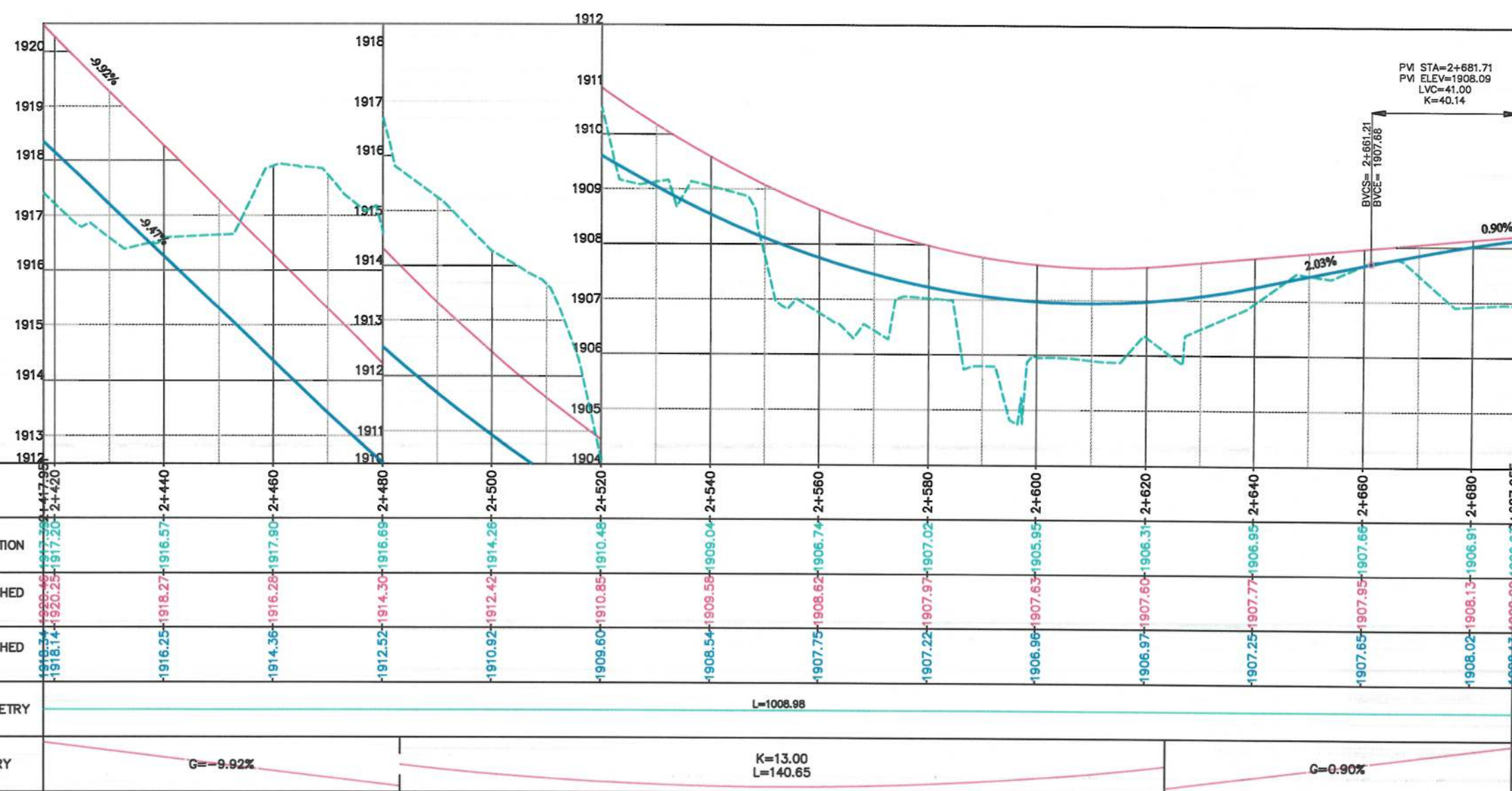
Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 9/26/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

Drawing Number: PP-10
Revision: 00



PDF Compressor Free Version



MATCH LINE - 11
AT STATION - 2+970.00

- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
**PLAN & PROFILE
(Main Alignment)**

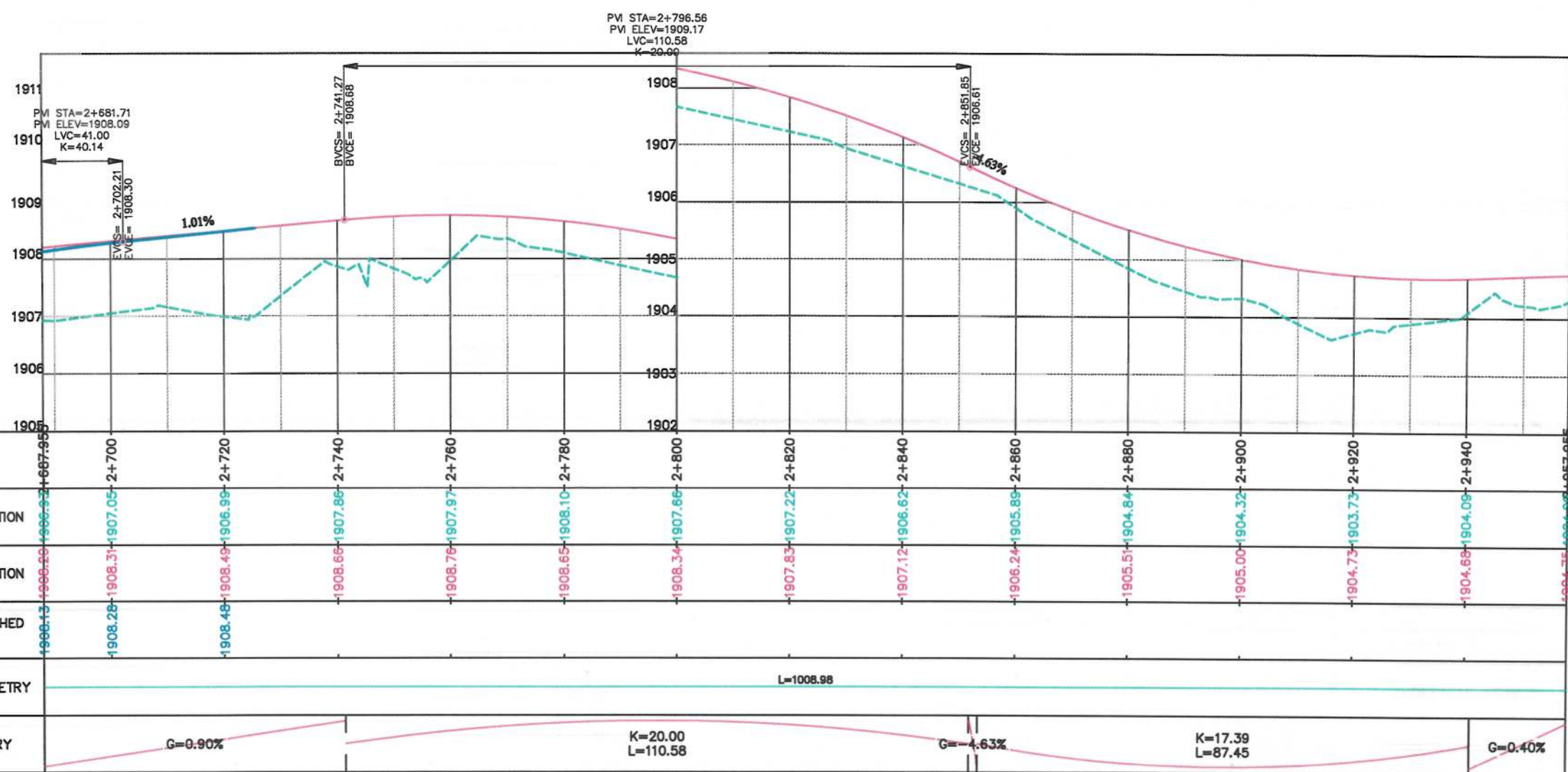
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/26/2023 Scale: 1:1000

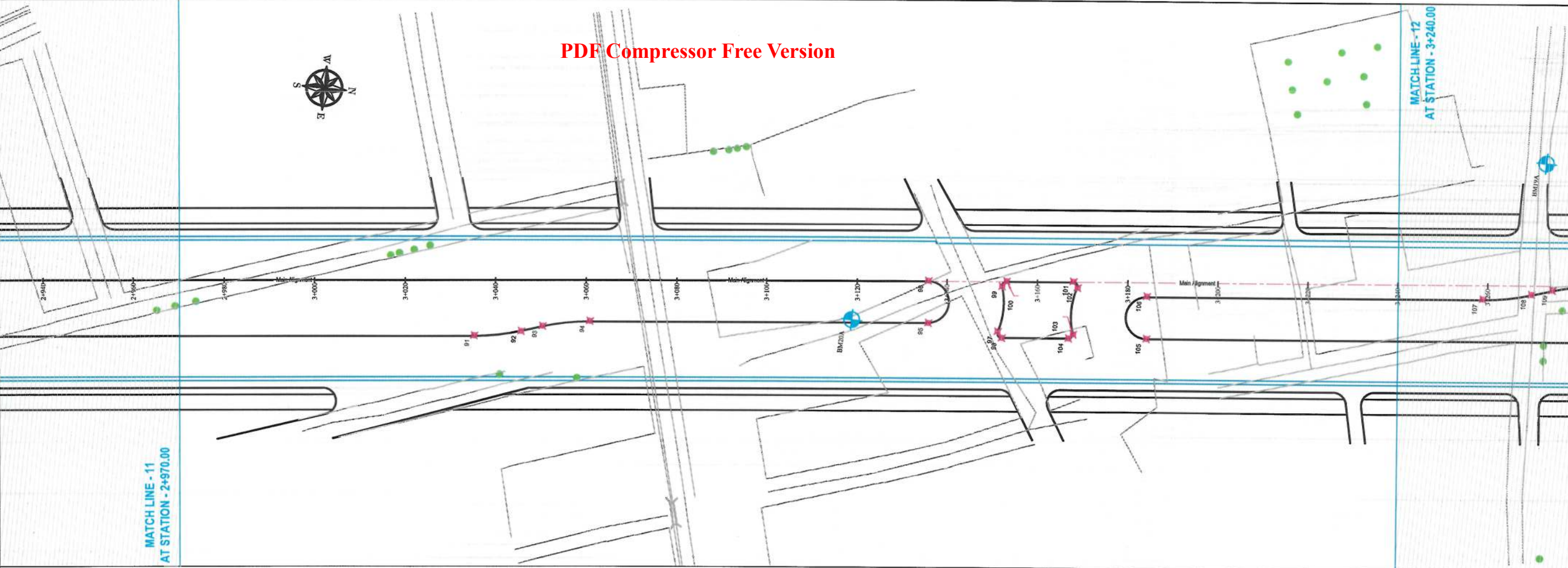
Status: FINAL DESIGN

Project Code

Drawing Number	Revision
PP-11	00



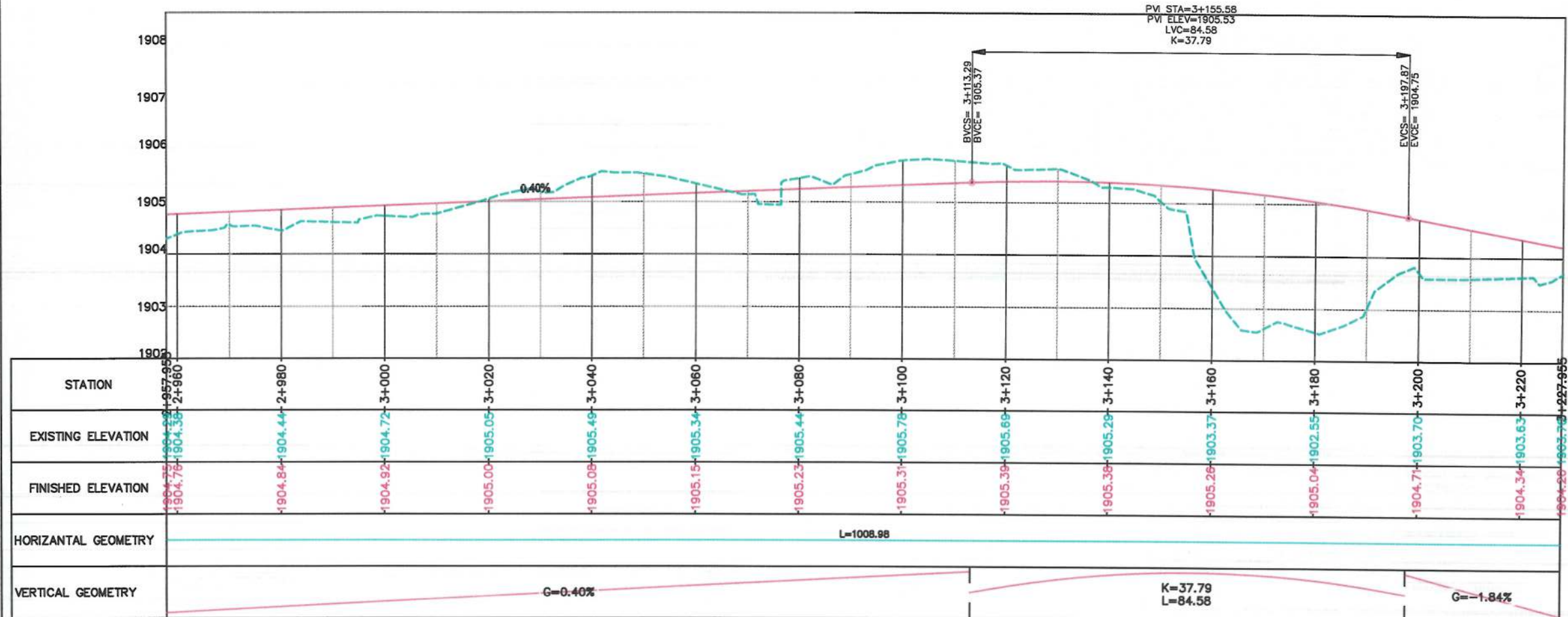
PDF Compressor Free Version



- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn



STATION	2+940	2+960	2+980	3+000	3+020	3+040	3+060	3+080	3+100	3+120	3+140	3+160	3+180	3+200	3+220	3+240
EXISTING ELEVATION	1904.75	1904.38	1904.44	1904.72	1905.05	1905.49	1905.34	1905.44	1905.78	1905.69	1905.29	1903.37	1902.55	1903.70	1903.63	1903.95
FINISHED ELEVATION	1904.75	1904.38	1904.84	1904.92	1905.00	1905.08	1905.15	1905.23	1905.31	1905.39	1905.38	1905.26	1905.04	1904.71	1904.34	1904.20
HORIZONTAL GEOMETRY	L=1008.98															
VERTICAL GEOMETRY	G=0.40% K=37.79 L=84.58 G=-1.84%															

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

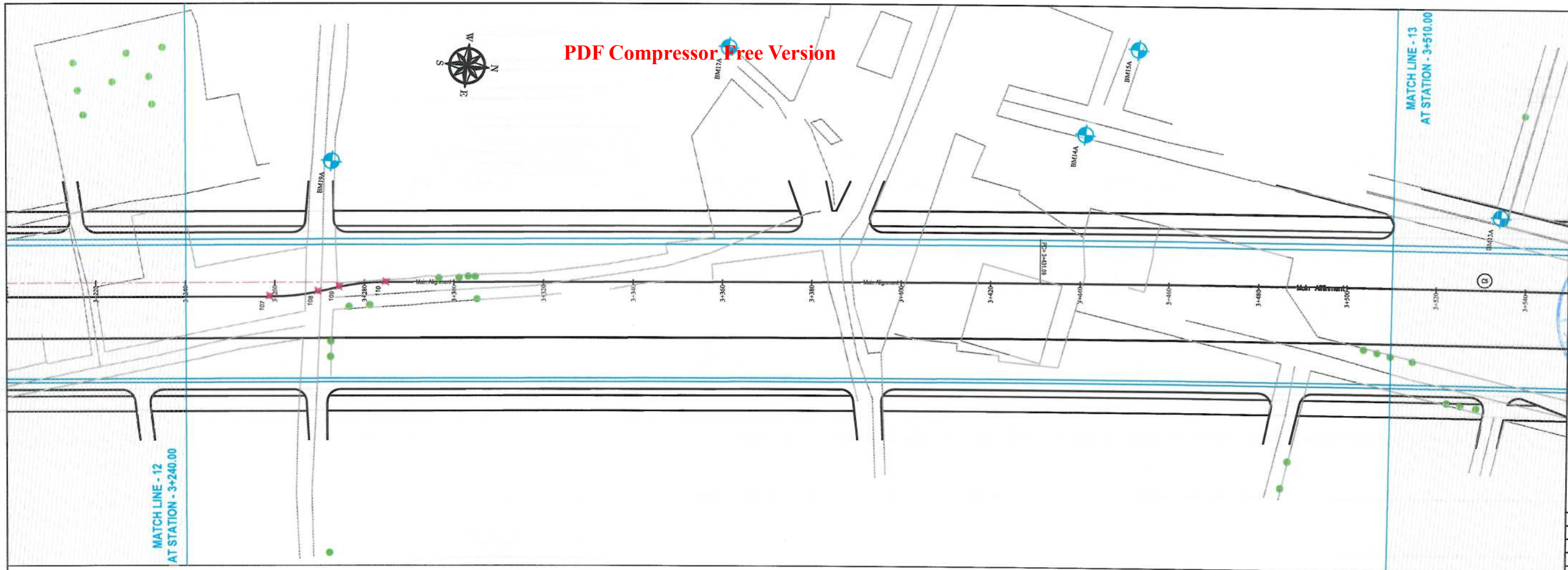
Drawing Title: PLAN & PROFILE (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
PLAN & PROFILE
(Main Alignment)

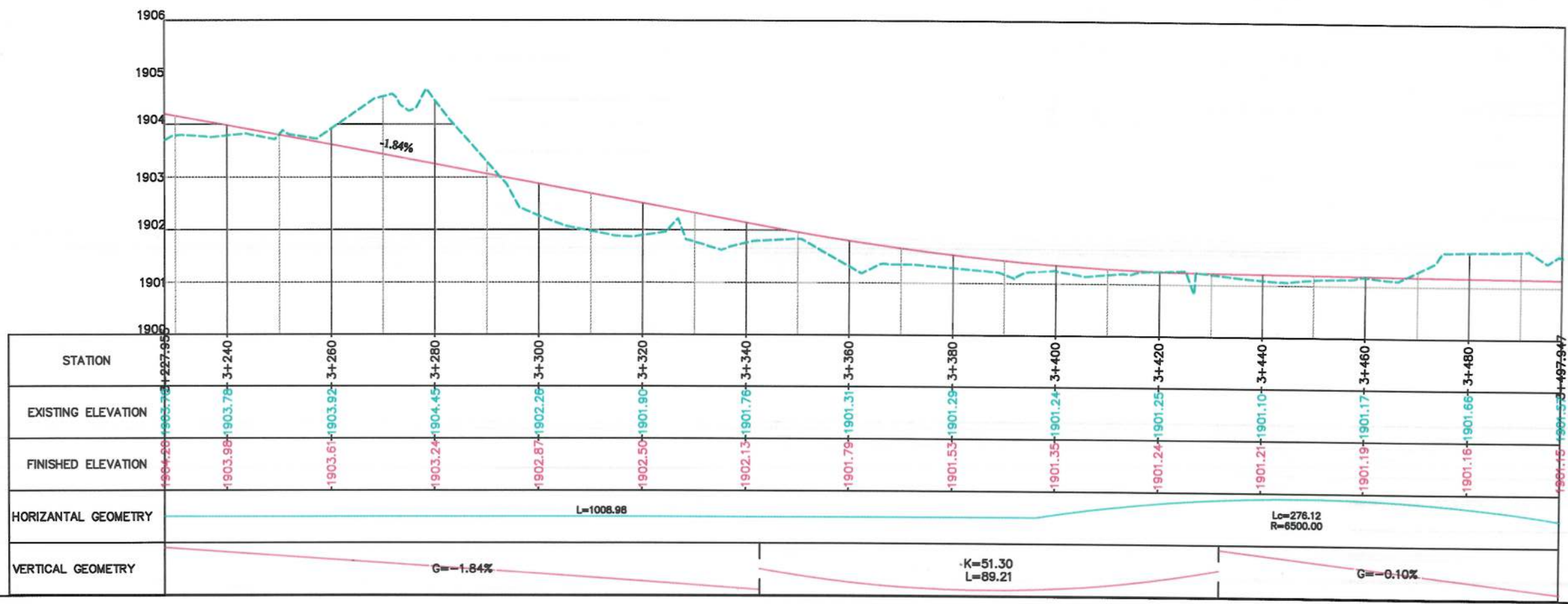
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shatizi

Date: 9/26/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

Drawing Number: PP-13
Revision: 00





MATCH LINE - 13
AT STATION - 3+510.00

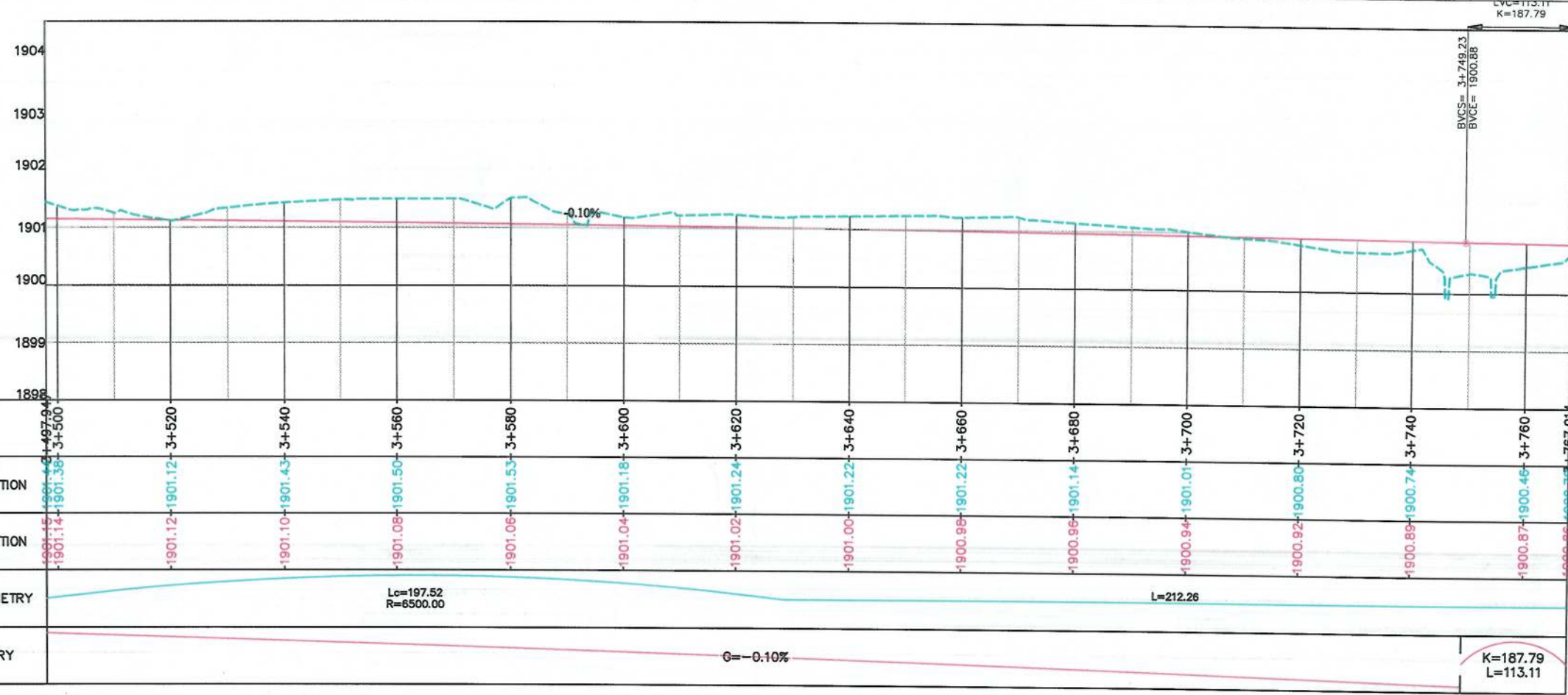
CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C5	6500.00	197.52	3+529.85	504261.7469 3816784.3073	504243.9338 3816981.0142	1.74

Existing local road should be adjusted properly to the proposed road with 10m Length from the edge of proposed road.

Existing local road should be adjusted properly to the proposed road with 5m Length from the edge of proposed road.

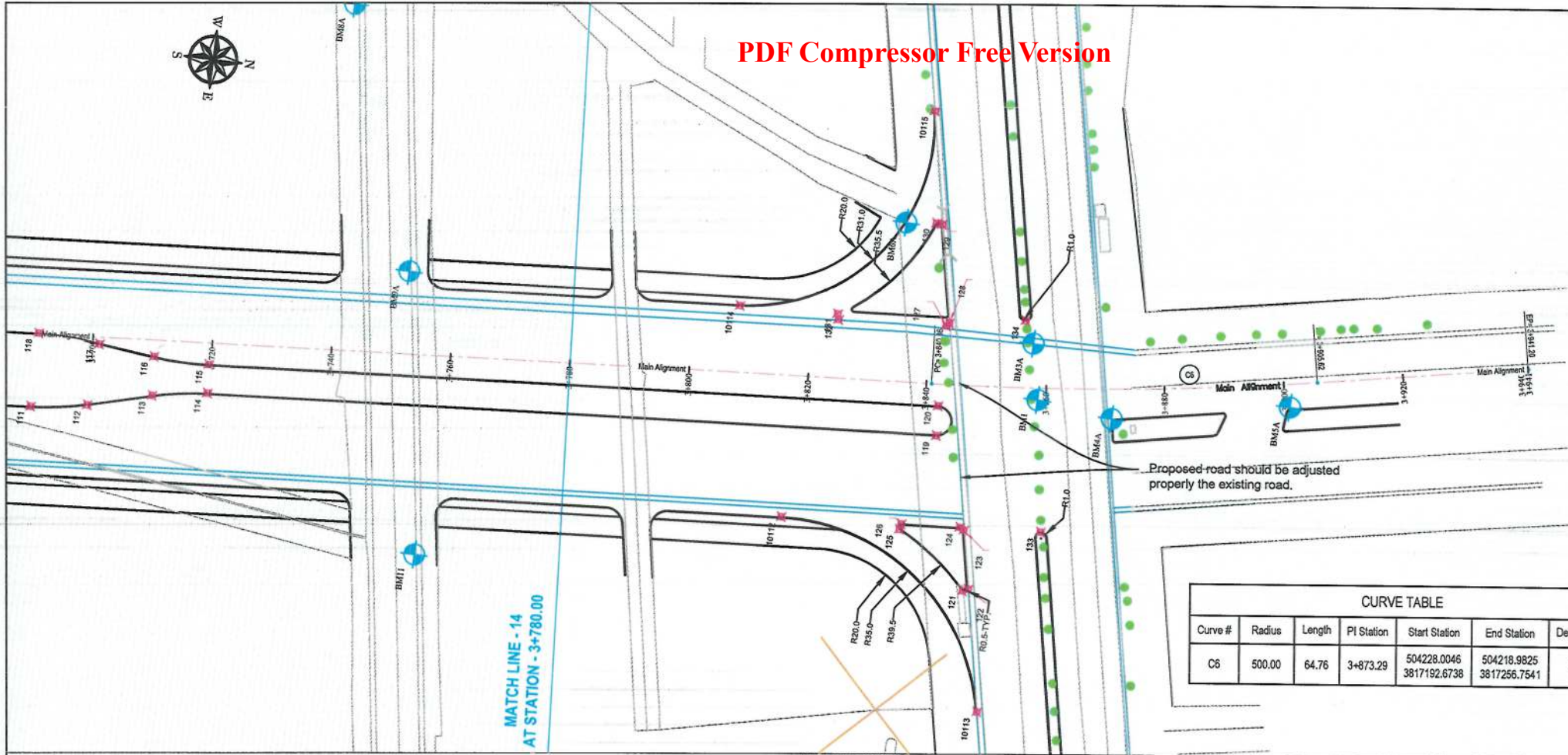
MATCH LINE - 14
AT STATION - 3+780.00

- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
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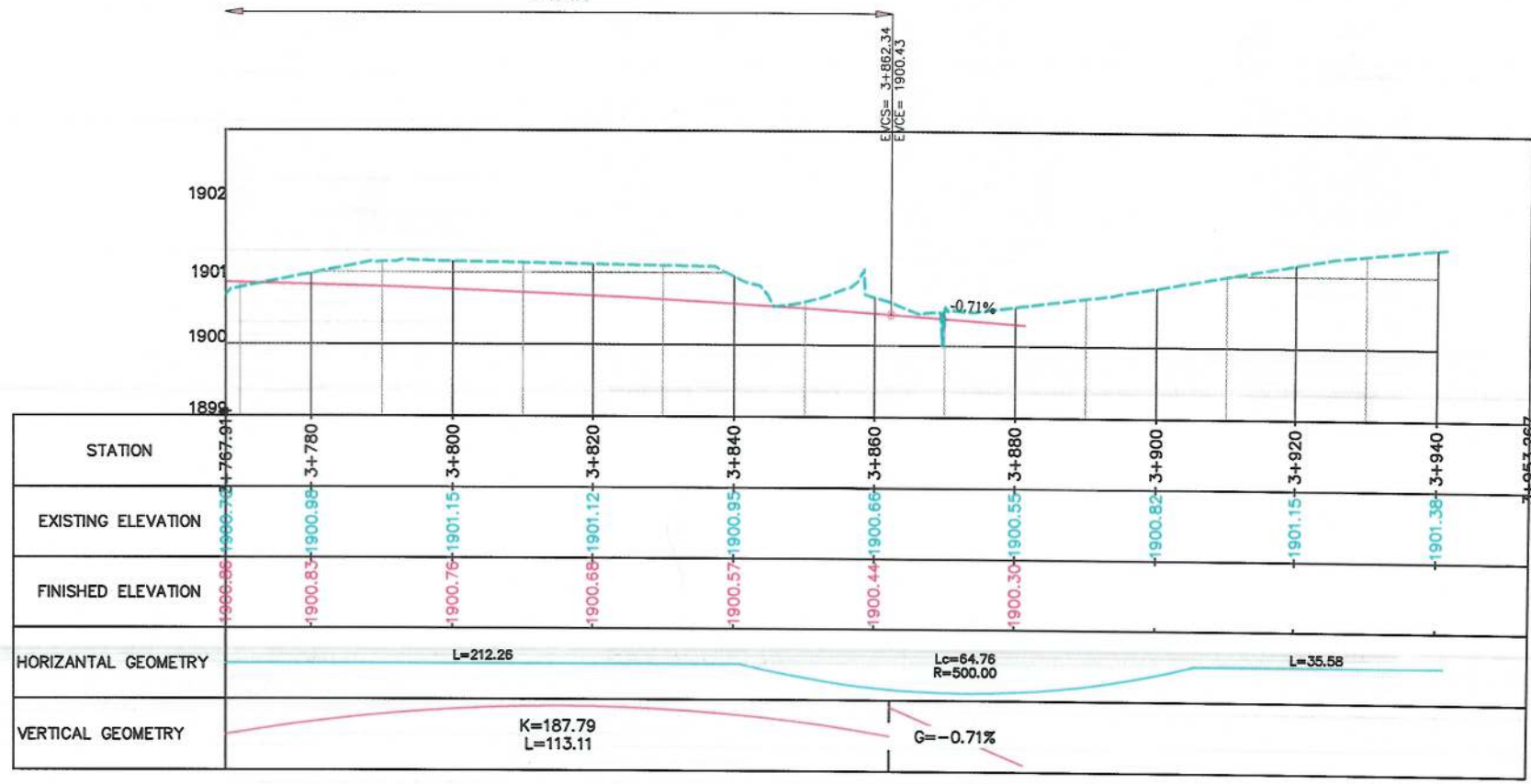


Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: PLAN & PROFILE (Main Alignment)		
Designed by: Mohammad Essa Sirat	Signature: [Signature]	
Drawn by: Mohammad Essa Sirat	Signature: [Signature]	
Checked by: Hasibullah Shalizi	Signature: [Signature]	
Date: 9/23/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number: PP-14	Revision: 00	

PDF Compressor Free Version



CURVE TABLE					
Curve #	Radius	Length	PI Station	Start Station	End Station
C5	500.00	64.76	3+873.29	504228.0046 3817192.6738	504218.9825 3817256.7541

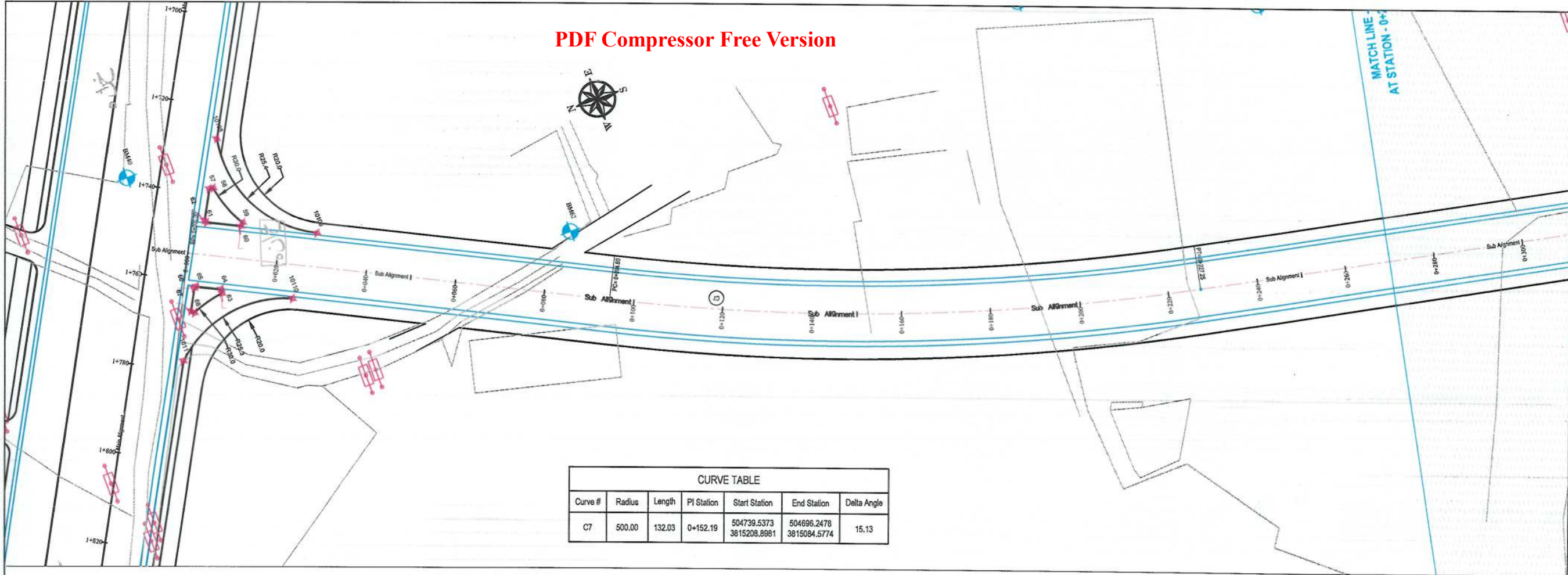


STATION	3+767.91	3+780	3+800	3+820	3+840	3+860	3+880	3+900	3+920	3+940
EXISTING ELEVATION	1900.88	1900.88	1901.15	1901.12	1900.95	1900.66	1900.55	1900.82	1901.15	1901.38
FINISHED ELEVATION	1900.88	1900.83	1900.76	1900.68	1900.57	1900.44	1900.30	1900.82	1901.15	1901.38
HORIZONTAL GEOMETRY	L=212.26 L=64.76 R=500.00 L=35.58									
VERTICAL GEOMETRY	K=187.79 L=113.11 G=-0.71%									

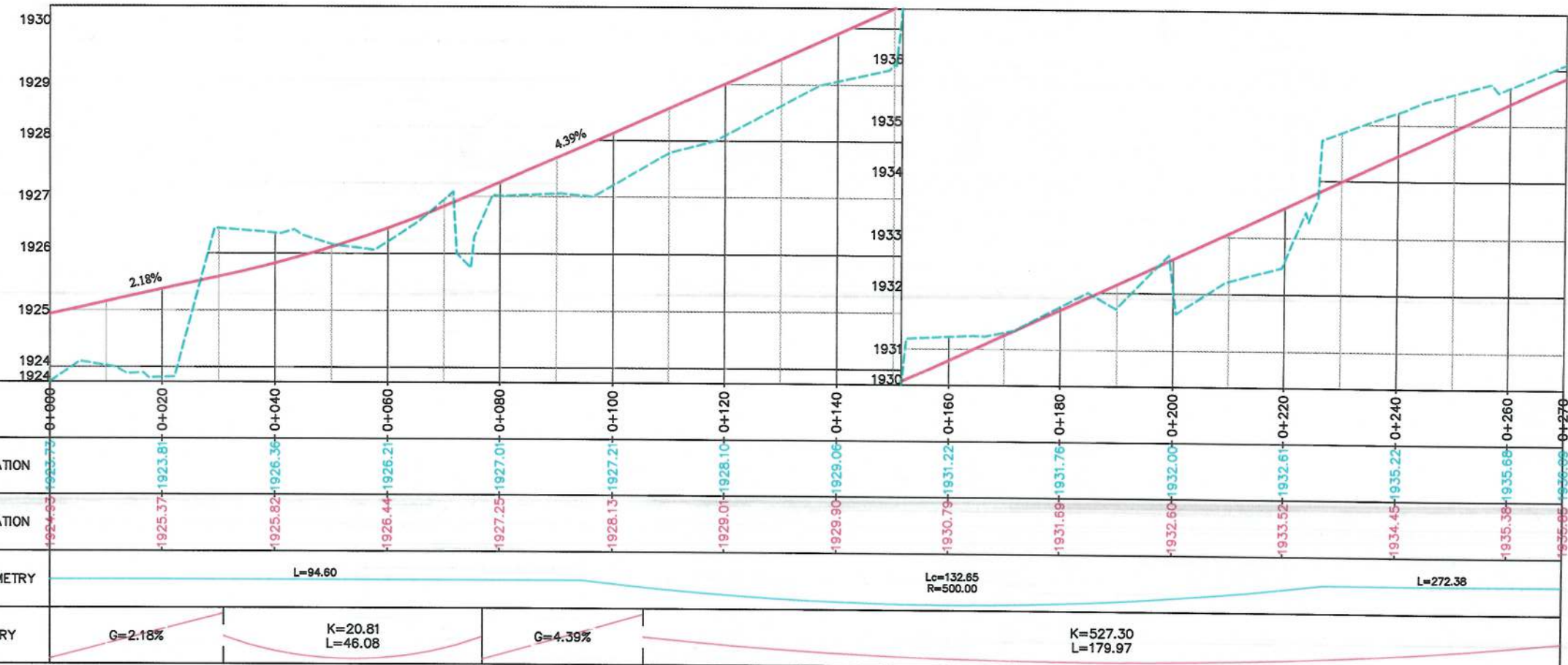
- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
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Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: PLAN & PROFILE (Main Alignment)		
Designed by: Mohammad Essa Sirat	Signature:	
Drawn by: Mohammad Essa Sirat	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/23/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number	Revision	
PP-15	00	



- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
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 - 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision	Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: PLAN & PROFILE (Sub Alignment)

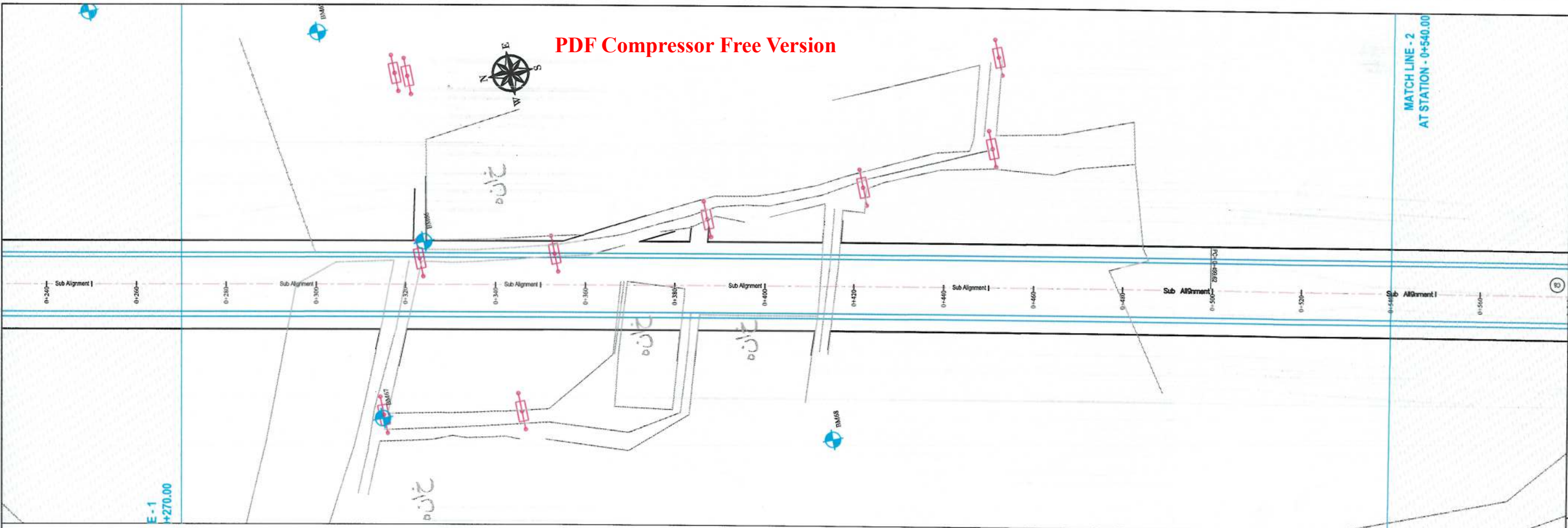
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/23/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

Drawing Number: PP-1
Revision: 00

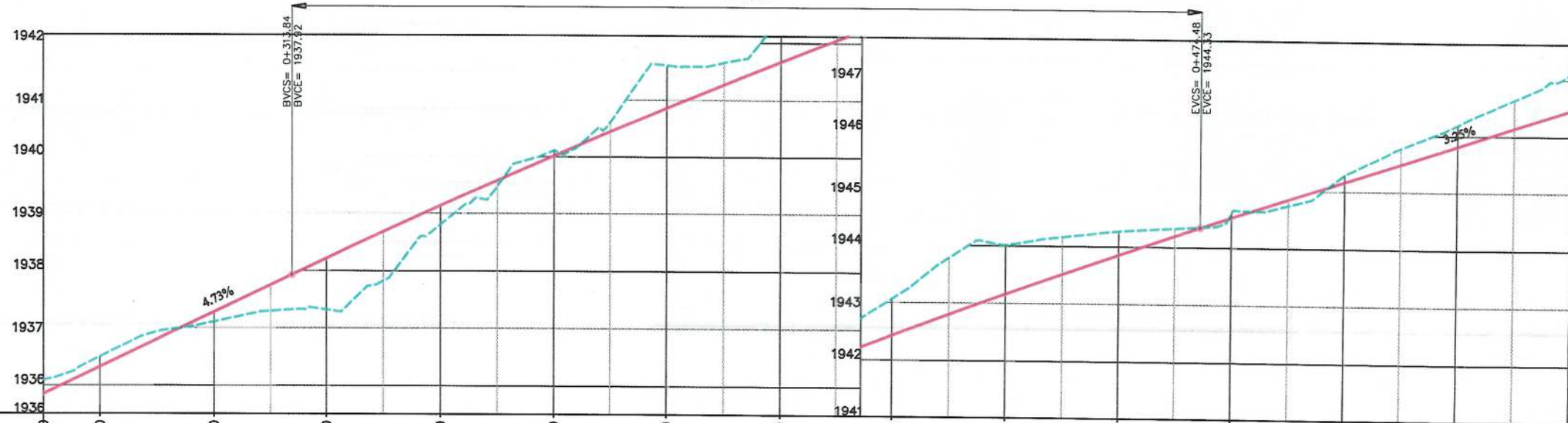


MATCH LINE - 2
AT STATION - 0+540.00

- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
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 - 4- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
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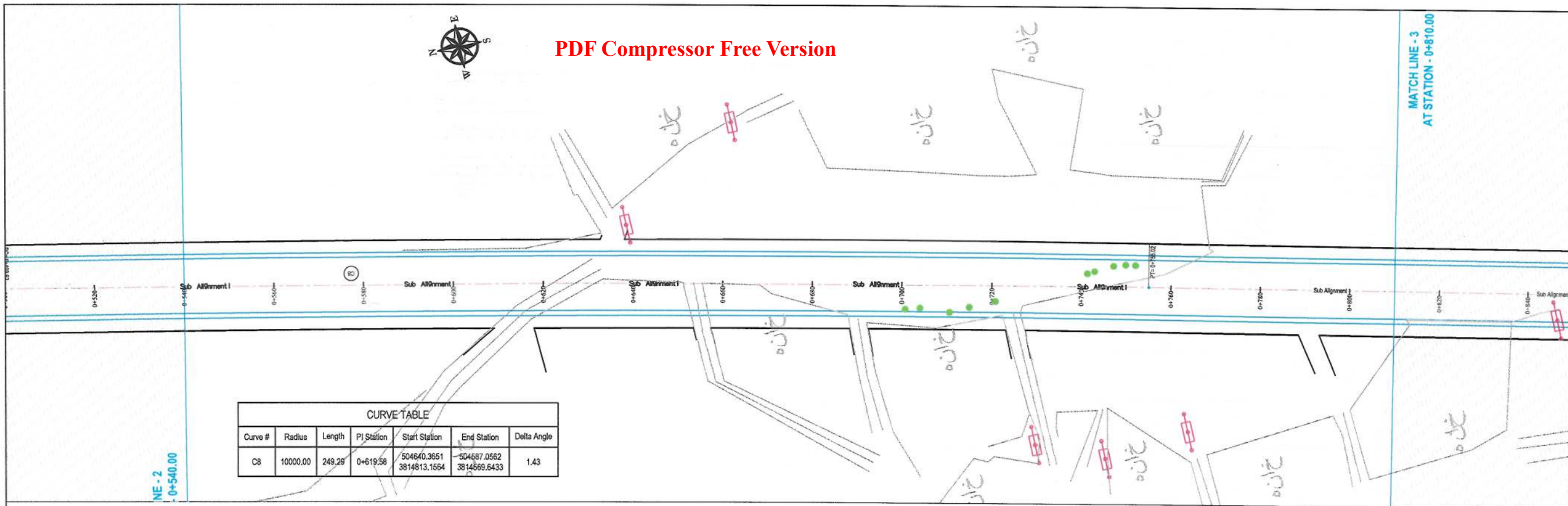


PVI STA=0+394.16
PVI ELEV=1941.73
LVC=160.64
K=108.08

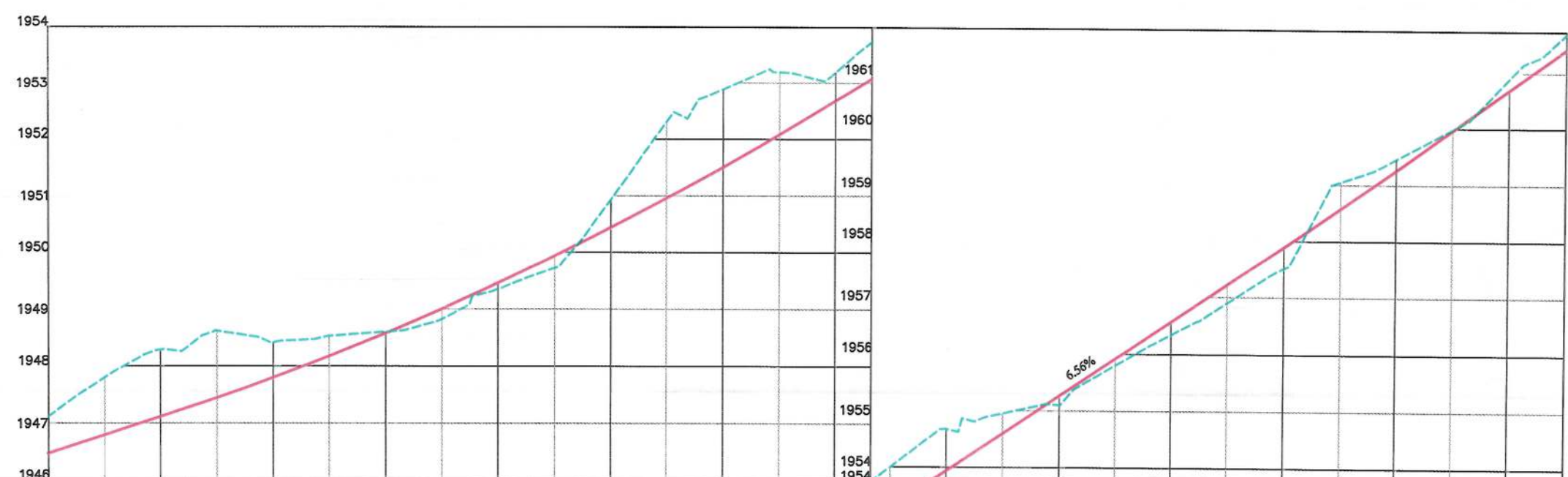


STATION	0+270	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540
EXISTING ELEVATION	1935.69	1936.50	1937.11	1937.32	1938.81	1940.11	1941.60	1942.35	1943.07	1944.01	1944.27	1944.61	1945.30	1946.20	1947.12
FINISHED ELEVATION	1935.69	1936.32	1937.27	1938.21	1939.13	1940.01	1940.85	1941.66	1942.43	1943.16	1943.85	1944.51	1945.16	1945.81	1946.46
HORIZONTAL GEOMETRY	L=272.38														
VERTICAL GEOMETRY	K=527.30 L=179.97		K=108.08 L=160.64										K=255.39 R=10000.00		

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	PLAN & PROFILE (Sub Alignment)	
Designed by:	Signature:	
Drawn by:	Signature:	
Checked by:	Signature:	
Date:	9/23/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	PP-2	Revision 00

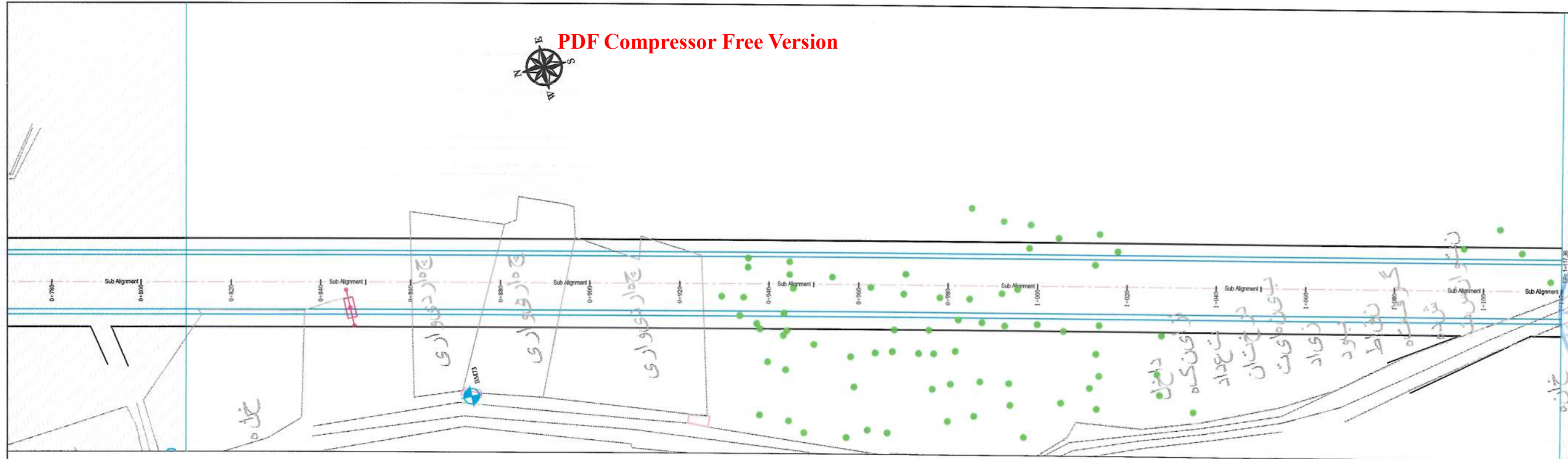


- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



STATION	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+810
EXISTING ELEVATION	1946.45	1947.29	1948.42	1948.60	1949.35	1950.94	1952.88	1953.19	1953.94	1955.09	1956.34	1957.51	1959.47	1960.90	1961.79
FINISHED ELEVATION	1946.45	1947.11	1947.80	1948.57	1949.45	1950.43	1951.50	1952.67	1953.94	1955.25	1956.58	1957.89	1959.26	1960.68	1961.41
HORIZONTAL GEOMETRY	<div> <div>L=255.39 R=10000.00</div> <div>L=362.34</div> </div>														
VERTICAL GEOMETRY	<div> <div>G=3.25%</div> <div>K=40.87 L=135.44</div> <div>G=6.56%</div> <div>K=76.07 L=120.04</div> </div>														

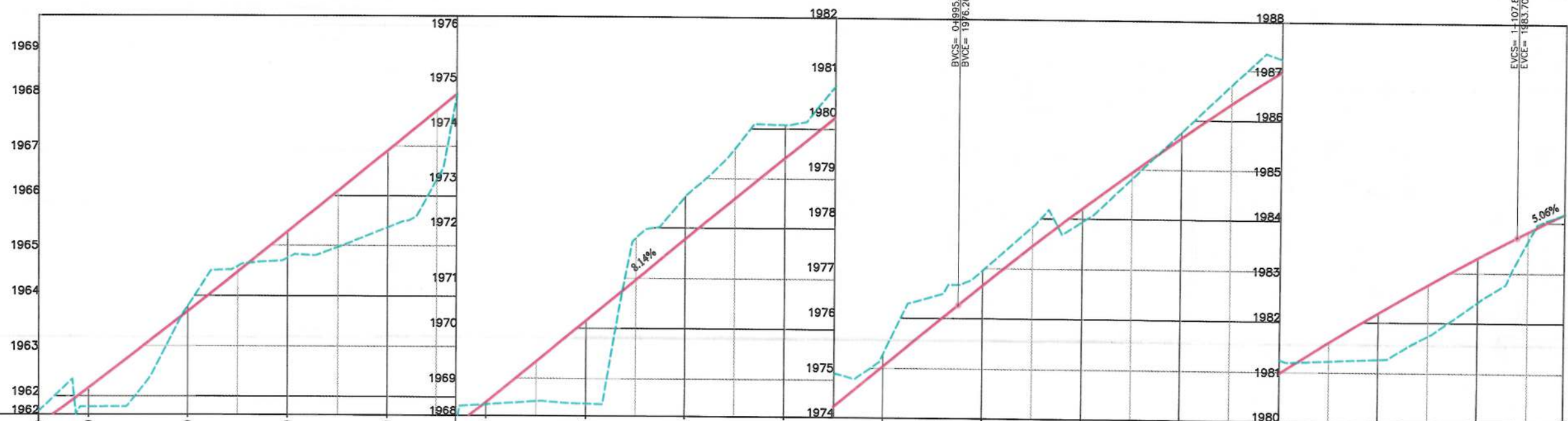
Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: PLAN & PROFILE (Sub Alignment)		
Designed by: Mohammad Essa Sirat	Signature:	
Drawn by: Mohammad Essa Sirat	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/23/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number	Revision	
PP-3	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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



PVI STA=1+051.46
PVI ELEV=1980.85
LVC=112.71
K=36.57

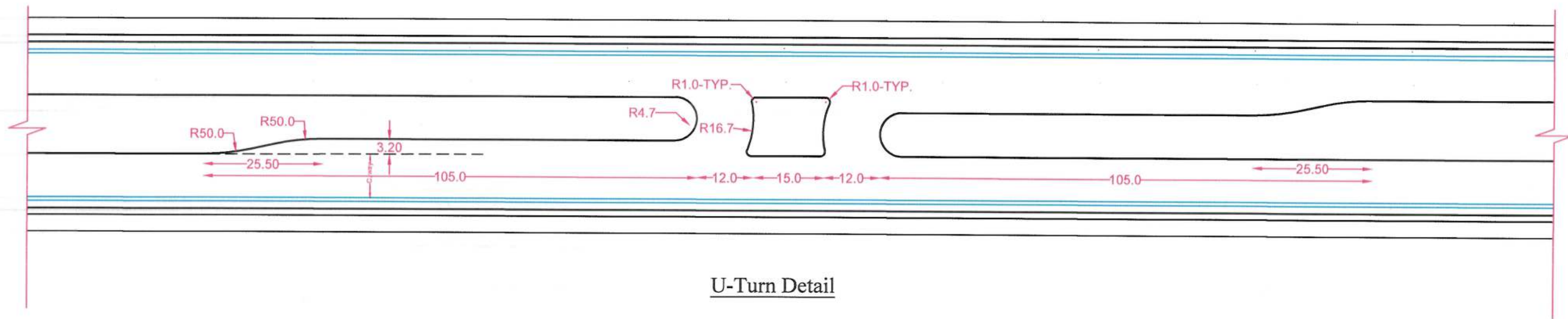


STATION	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+110
EXISTING ELEVATION	1961.44	1961.79	1963.81	1964.76	1965.36	1968.49	1968.50	1972.64	1974.08	1975.29	1976.96	1977.94	1979.77	1981.24	1981.27	1982.42	1984.18
FINISHED ELEVATION	1961.44	1962.16	1963.69	1965.27	1966.89	1968.52	1970.15	1971.78	1973.41	1975.03	1976.66	1978.20	1979.64	1980.97	1982.19	1983.30	1984.18
HORIZONTAL GEOMETRY	L=362.34																
VERTICAL GEOMETRY	K=76.07 L=120.04 G=8.14% K=36.57 L=112.71 G=5.06%																

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	PLAN & PROFILE (Sub Alignment)	
Designed by:	Mohammad Essa Sirat	Signature: [Signature]
Drawn by:	Mohammad Essa Sirat	Signature: [Signature]
Checked by:	Hasibullah Shalizi	Signature: [Signature]
Date:	9/23/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	PP-4	Revision 00

NOTE:

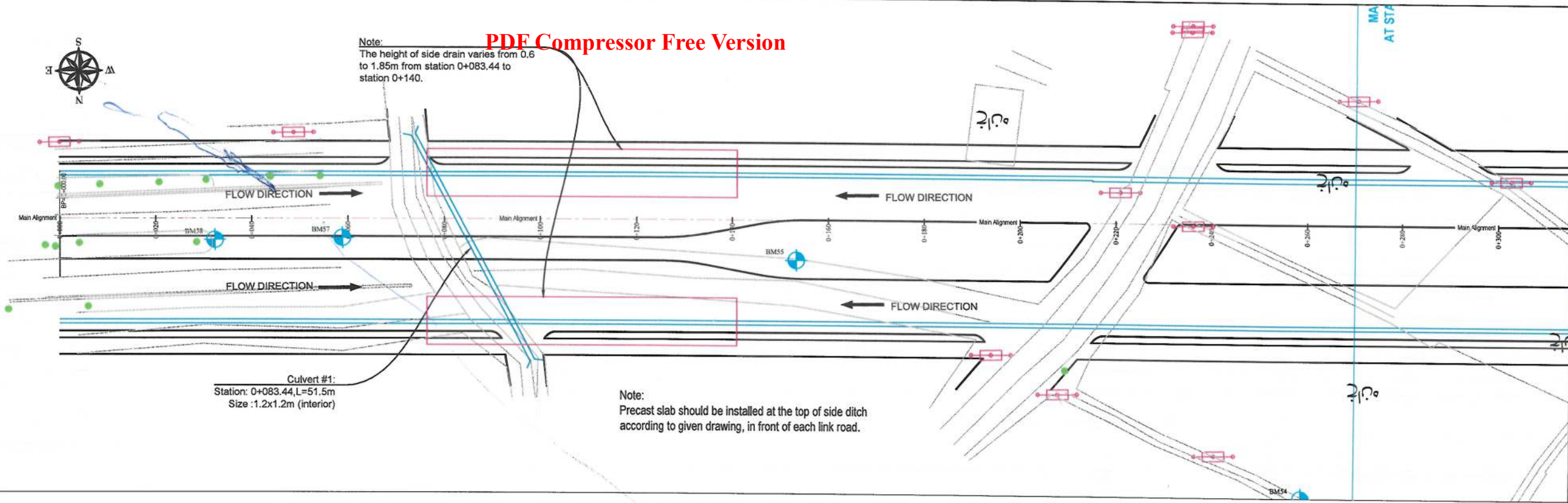
- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Bed levels 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



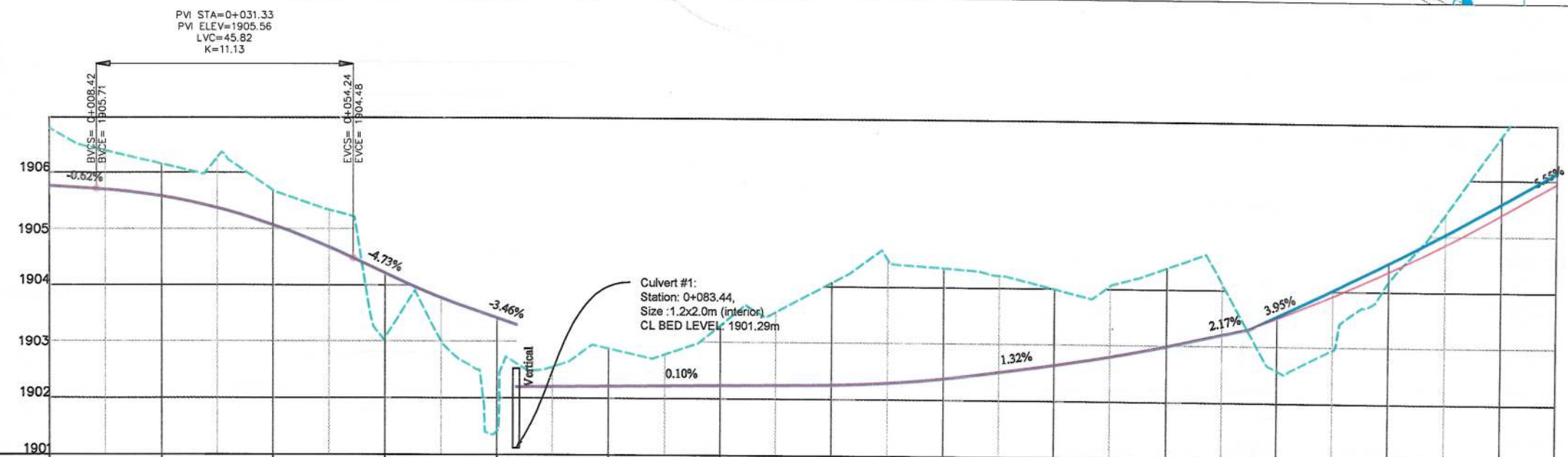
U-Turn Detail

Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN	
Client:	KABUL MUNICIPALITY
Designed by:	KABUL MUNICIPALITY DESIGN TEAM
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project
Drawing Title:	U-Turn Detail (Main Alignment)
Designed by:	Mohammad Essa Sirat
Drawn by:	Mohammad Essa Sirat
Checked by:	Hasibullah Shalizi
Date:	9/17/2023
Scale:	1:1000
Status:	FINAL DESIGN
Project Code:	
Drawing Number:	UTD-01
Revision:	00



- NOTE:
- 1- All dimensions are in meter unless indicated
 - 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+270	
EXISTING ELEVATION	1905.76	1905.57	1905.67	1903.07	1901.42	1902.87	1903.30	1904.08	1904.34	1903.99	1904.38	1902.57	1904.19	1905.81	1907.06	
LEFT SIDE BED DRAIN LEVEL	1905.76	1905.57	1905.06	1904.21	1903.42	1902.21	1902.23	1902.26	1902.38	1902.64	1902.98	1903.51	1904.36	1905.38	1906.14	
RIGHT SIDE DRAIN BED LEVEL	1905.76	1905.57	1905.06	1904.21	1903.42	1902.21	1902.23	1902.26	1902.38	1902.64	1902.98	1903.51	1904.36	1905.38	1906.14	
HORIZONTAL GEOMETRY	L=453.95															
VERTICAL GEOMETRY	G=-0.62%	K=11.13 L=45.82		G=-4.73%	K=11.46 L=14.55		G=-0.10%	K=22.27 L=27.21		G=1.32%	K=30.43 L=25.78		G=2.17%	K=22.40 L=35.83		G=5.55%

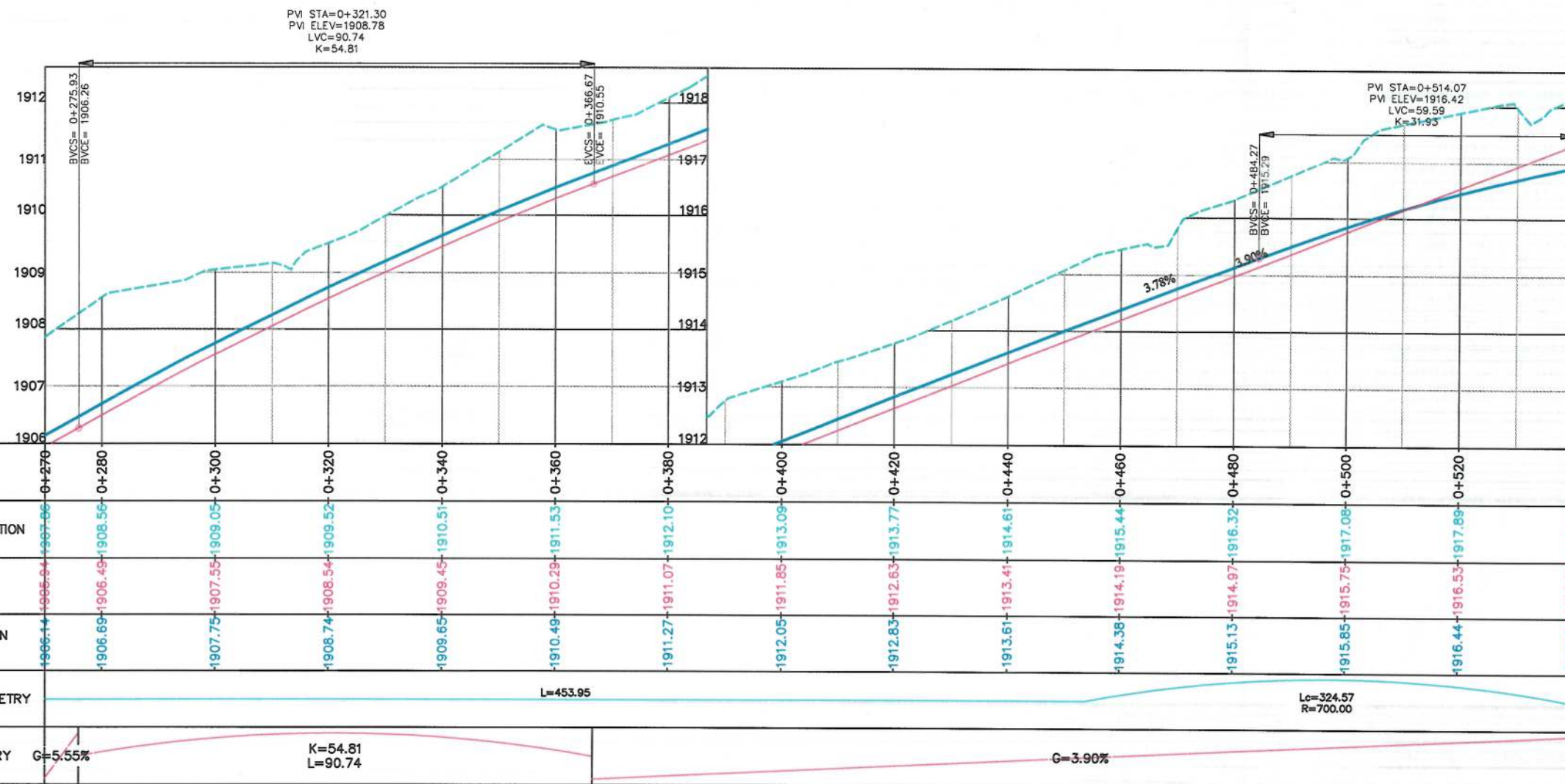
Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	DRAINAGE PLAN & PROFILE (Main Alignment)	
Designed by:	Signature:	
Drawn by:	Signature:	
Checked by:	Signature:	
Date:	9/23/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	DPP-1	Revision 00

— FLOW DIRECTION

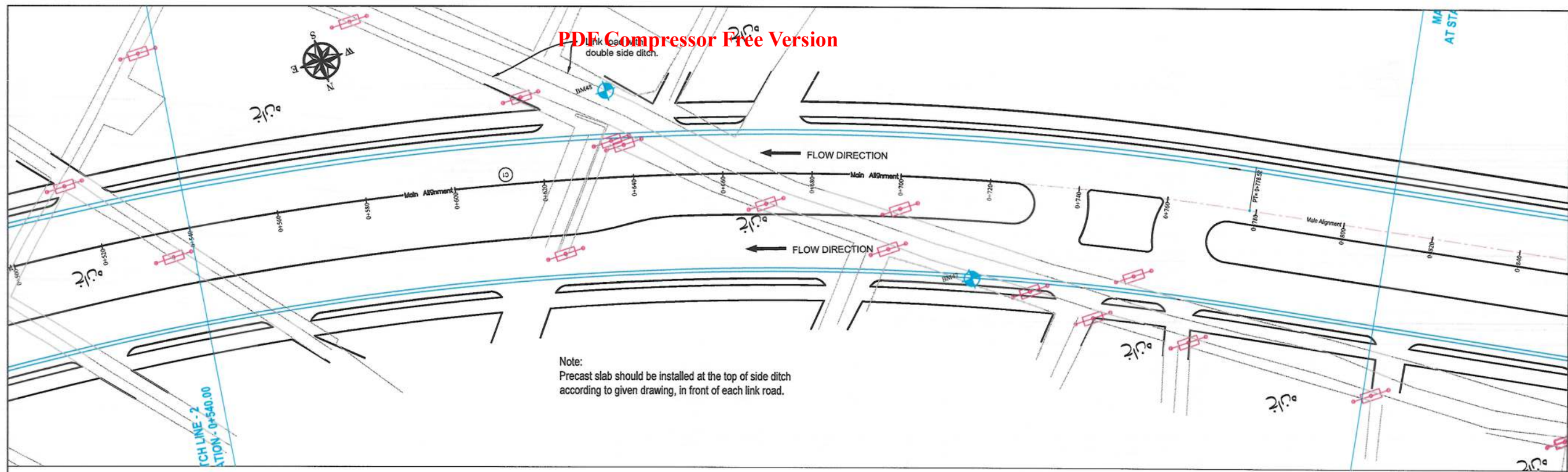
Note:
Precast slab should be installed at the top of side ditch according to given drawing, in front of each link road.

NOTE:

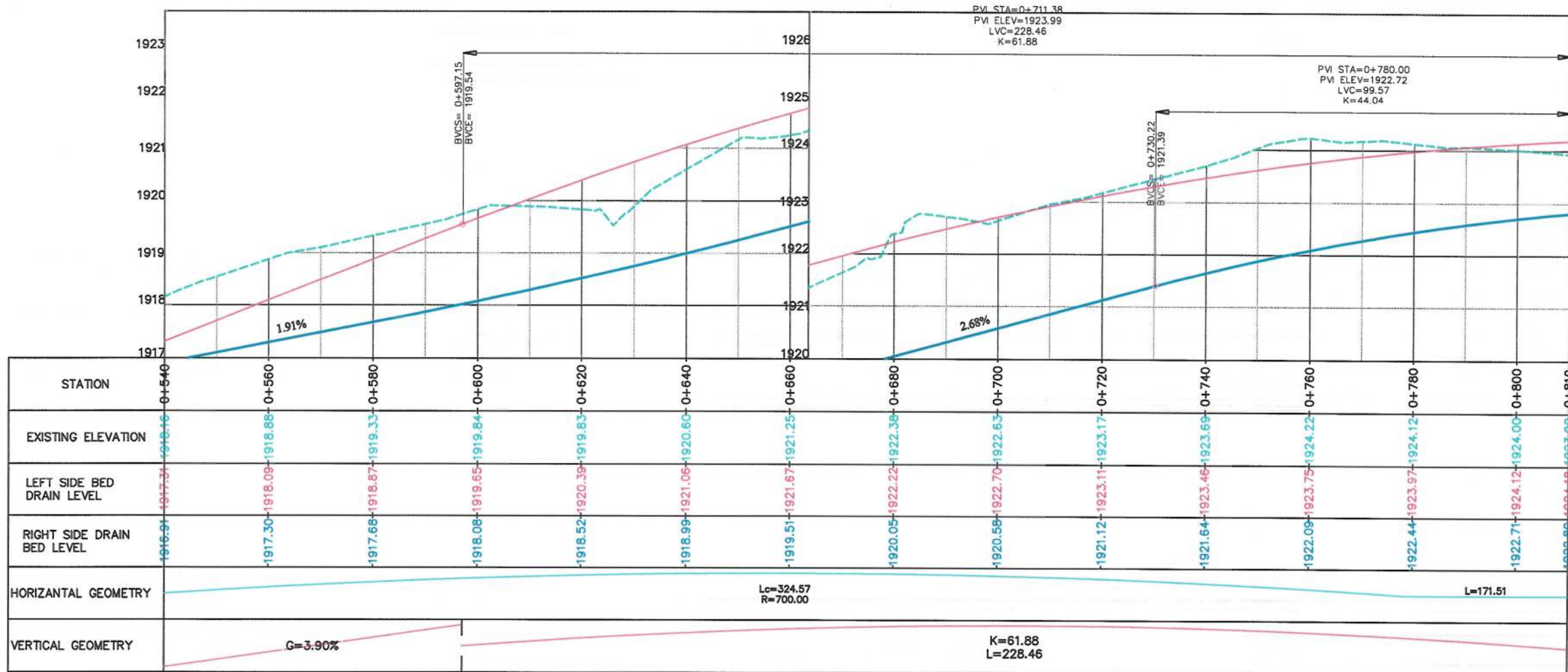
- 1- The lengths of all new side ditches have shown on the plan.
- 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
- 3- In case of changing in typical cross section type all components should be adjusted properly.
- 4- All Bed levels 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn			
<p>ISLAMIC EMIRATE OF AFGHANISTAN</p>					
<p>Client:</p> <div style="display: flex; align-items: center;">  <p>KABUL MUNICIPALITY</p> </div>					
<p>Designed by:</p> <p style="text-align: center;">KABUL MUNICIPALITY DESIGN TEAM</p>					
<p>Project Name:</p> <p style="text-align: center;">Orfani to Omid-e-Sabz town connecting Road Project</p>					
<p>Drawing Title:</p> <p style="text-align: center;">DRAINAGE PLAN & PROFILE (Main Alignment)</p>					
<p>Designed by:</p> <p>Baz Mohammad Raji</p>		<p>Signature:</p> 			
<p>Drawn by:</p> <p>Baz Mohammad Raji</p>		<p>Signature:</p>			
<p>Checked by:</p> <p>Hasbullah Shalizi</p>		<p>Signature:</p> 			
<p>Date:</p> <p>9/23/2023</p>		<p>Scale:</p> <p>1:1000</p>			
<p>Status:</p> <p style="text-align: center;">FINAL DESIGN</p>					
<p>Project Code</p>					
<p>Drawing Number</p> <p style="text-align: center;">DPP-2</p>					<p>Revision</p> <p style="text-align: center;">00</p>



- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)

Designed by: Baz Mohammad Raji
Signature: [Signature]

Drawn by: Baz Mohammad Raji
Signature: [Signature]

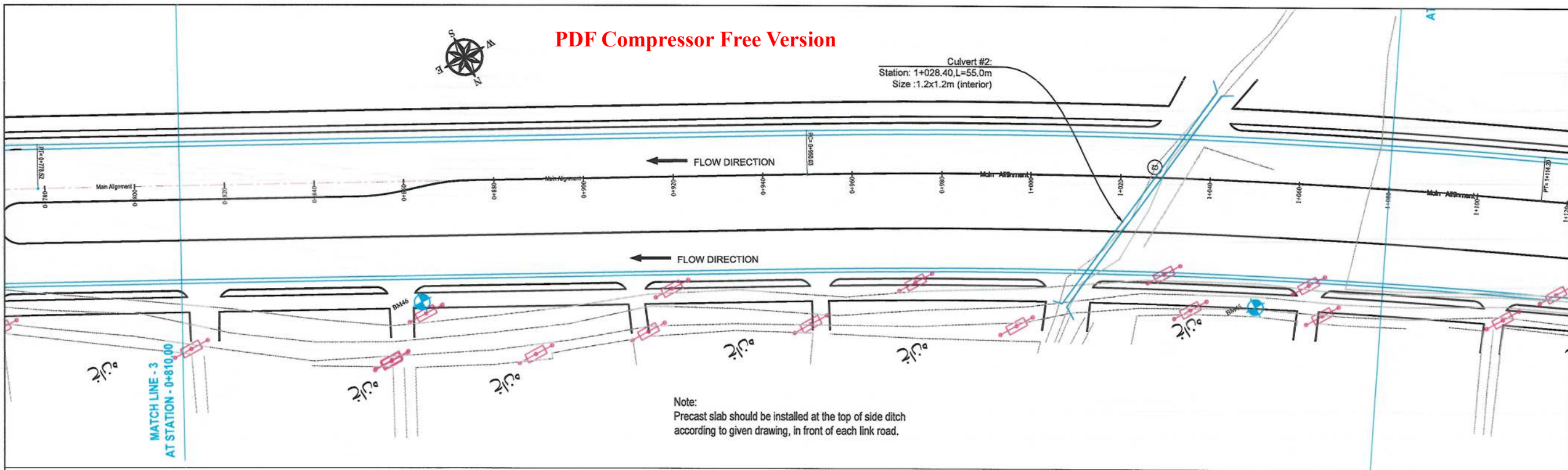
Checked by: Hasibullah Shalizi
Signature: [Signature]

Date: 9/23/2023
Scale: 1:1000

Status: FINAL DESIGN

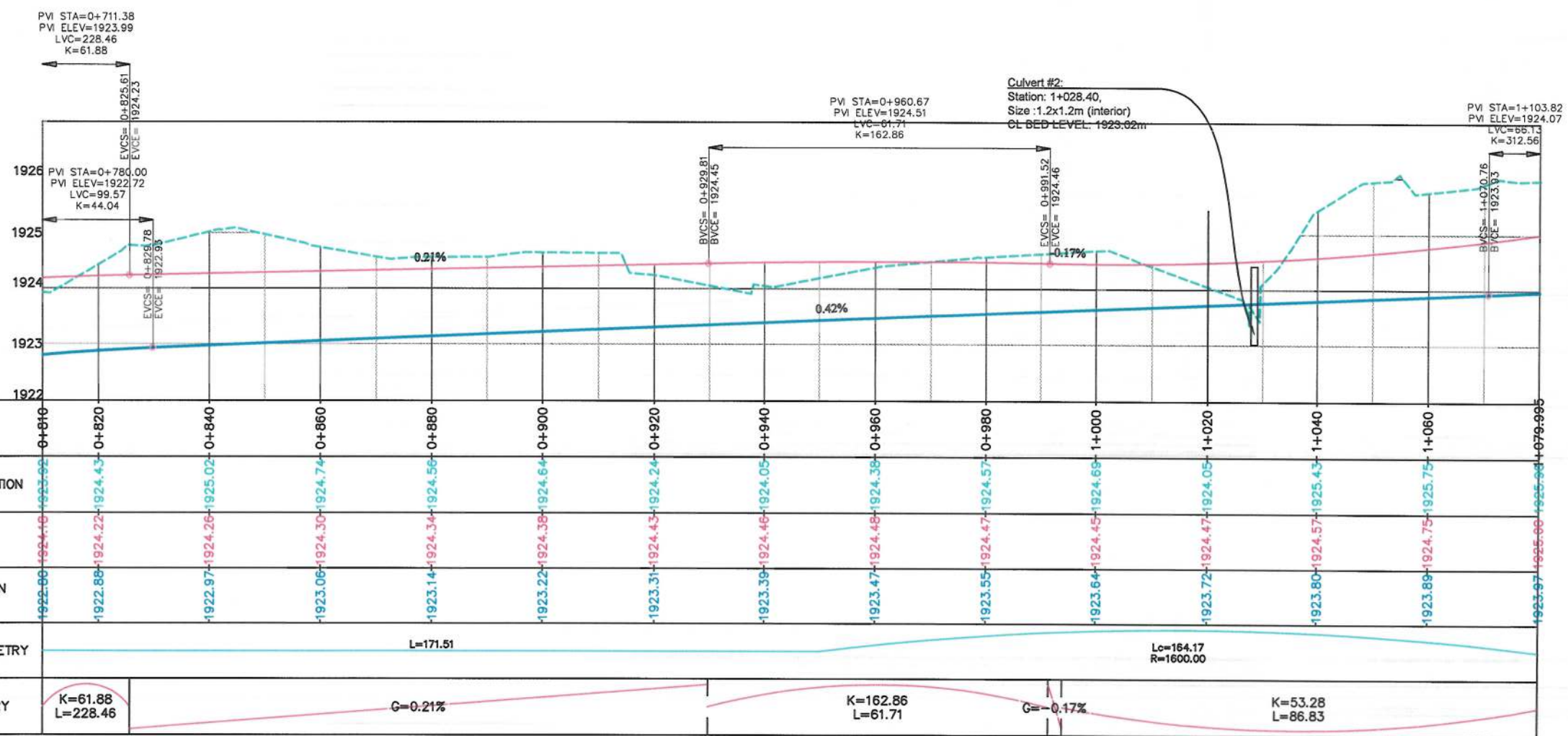
Project Code: [Blank]

Drawing Number: DPP-3
Revision: 00



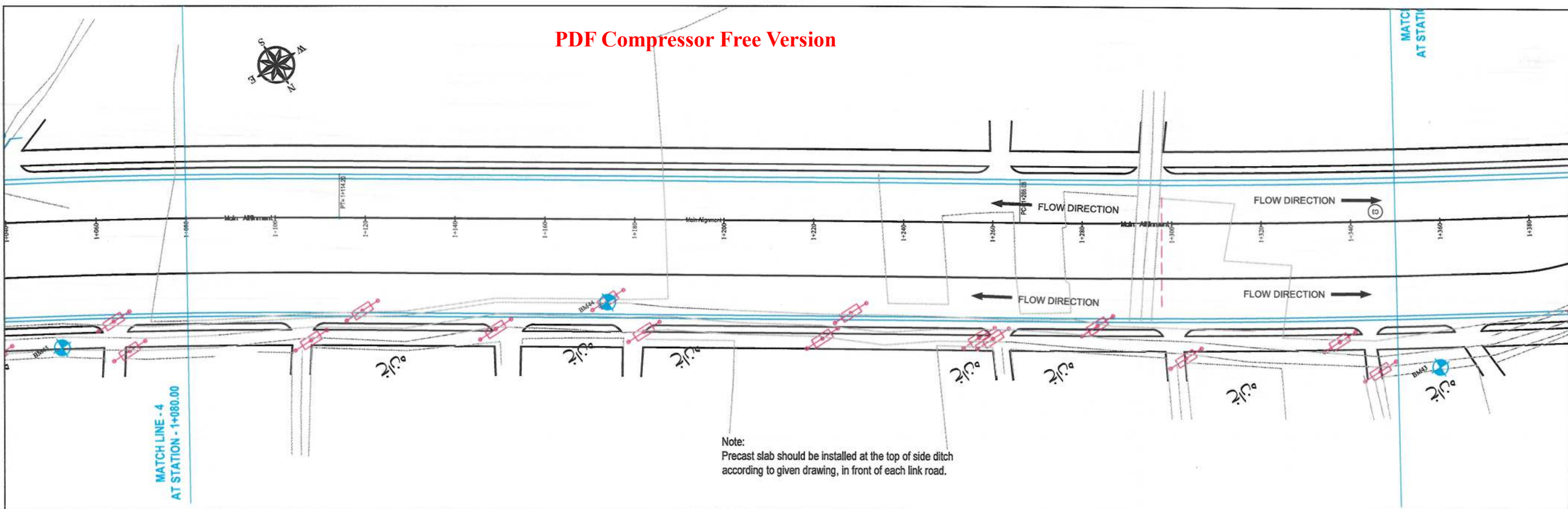
Note:
Precast slab should be installed at the top of side ditch according to given drawing, in front of each link road.

- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

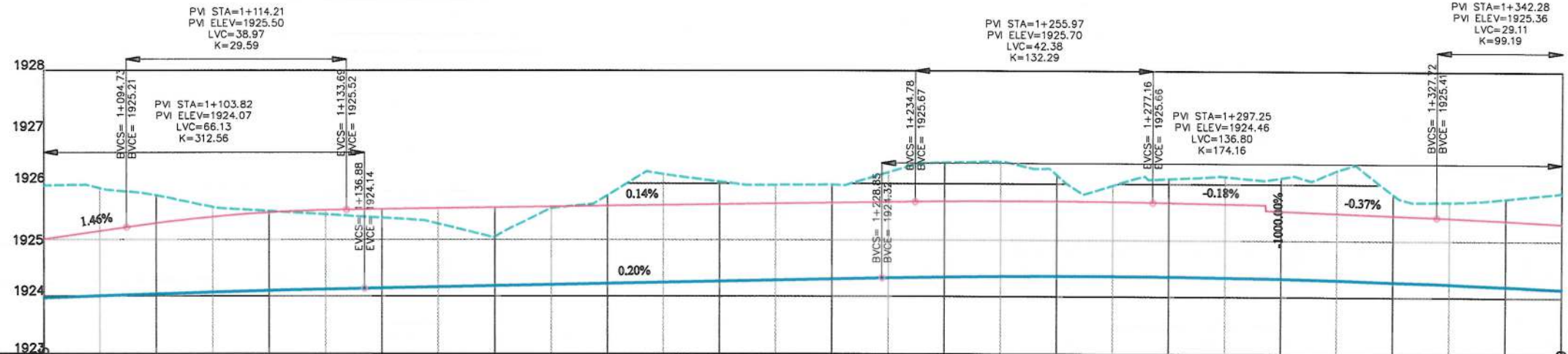


STATION	0+810	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100
EXISTING ELEVATION	1922.52	1924.43	1925.02	1924.74	1924.56	1924.64	1924.24	1924.05	1924.38	1924.57	1924.69	1924.05	1925.43	1925.75	1925.88	1925.93
LEFT SIDE BED DRAIN LEVEL	1922.46	1924.22	1924.26	1924.30	1924.34	1924.38	1924.43	1924.46	1924.48	1924.47	1924.45	1924.47	1924.57	1924.75	1924.89	1925.00
RIGHT SIDE DRAIN BED LEVEL	1922.00	1922.88	1922.97	1923.06	1923.14	1923.22	1923.31	1923.39	1923.47	1923.55	1923.64	1923.72	1923.80	1923.89	1923.97	1924.05
HORIZONTAL GEOMETRY	L=171.51															Lc=164.17 R=1600.00
VERTICAL GEOMETRY	K=61.88 L=228.46		G=0.21%					K=162.86 L=61.71				G=-0.17%		K=53.28 L=86.83		

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)		
Designed by: Baz Mohammad Raji	Signature:	
Drawn by: Baz Mohammad Raji	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/23/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number: DPP-4	Revision: 00	



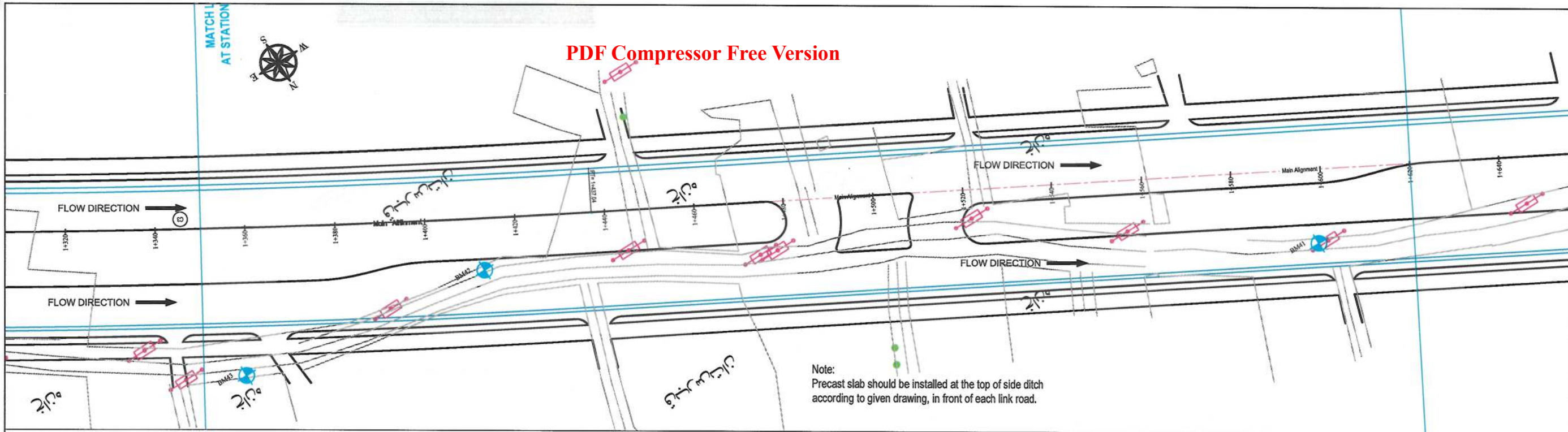
- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- All Bed levels of new ditches should be adjusted to the existing ditches bed levels to direct surface water properly.
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STATION	1+000	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360
EXISTING ELEVATION	1925.50	1925.78	1925.50	1925.38	1925.06	1925.79	1926.03	1925.98	1926.37	1926.15	1926.08	1926.11	1925.82	1925.75	1925.61
LEFT SIDE BED DRAIN LEVEL	1925.00	1925.29	1925.47	1925.53	1925.56	1925.59	1925.62	1925.65	1925.67	1925.68	1925.65	1925.51	1925.44	1925.36	1925.30
RIGHT SIDE BED DRAIN LEVEL	1923.97	1924.04	1924.10	1924.14	1924.18	1924.22	1924.26	1924.30	1924.34	1924.36	1924.35	1924.32	1924.27	1924.19	1924.15
HORIZONTAL GEOMETRY	Lc=164.17 R=1600.00		L=151.83												
VERTICAL GEOMETRY	K=55.28 L=86.83 1.46%		K=29.59 L=38.97		G=0.14%					K=132.29 L=42.38		G=-0.18% -1000.00%		G=-0.37%	

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	DRAINAGE PLAN & PROFILE (Main Alignment)	
Designed by:	Signature:	
Drawn by:	Signature:	
Checked by:	Signature:	
Date:	Scale:	
9/23/2023	1:1000	
Status:	FINAL DESIGN	
Project Code		
Drawing Number	Revision	
DPP-5	00	

PDF Compressor Free Version



- 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 property.
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PV STA=1+342.28
PV ELEV=1925.36
LVC=29.11
K=99.19

EVS=1+356.83
EVE=1925.26

PV STA=1+297.25
PV ELEV=1924.45
LVC=136.80
K=174.16

EVS=1+365.65
EVE=1924.06

EVS=1+385.65
EVE=1924.06

EVS=1+405.65
EVE=1924.06

EVS=1+425.65
EVE=1924.06

EVS=1+445.65
EVE=1924.06

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EVE=1924.06

EVS=1+505.65
EVE=1924.06

EVS=1+525.65
EVE=1924.06

EVS=1+545.65
EVE=1924.06

EVS=1+565.65
EVE=1924.06

EVS=1+585.65
EVE=1924.06

EVS=1+605.65
EVE=1924.06

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EVE=1924.06

EVS=1+685.65
EVE=1924.06

EVS=1+705.65
EVE=1924.06

EVS=1+725.65
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EVS=1+745.65
EVE=1924.06

EVS=1+765.65
EVE=1924.06

EVS=1+785.65
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EVS=1+805.65
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EVS=1+825.65
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EVS=1+845.65
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EVS=1+865.65
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EVS=1+885.65
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EVS=1+985.65
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EVS=1+1005.65
EVE=1924.06

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EVS=1+1045.65
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EVS=1+1065.65
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EVS=1+1085.65
EVE=1924.06

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EVS=1+1625.65
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EVS=1+1645.65
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EVS=1+1665.65
EVE=1924.06

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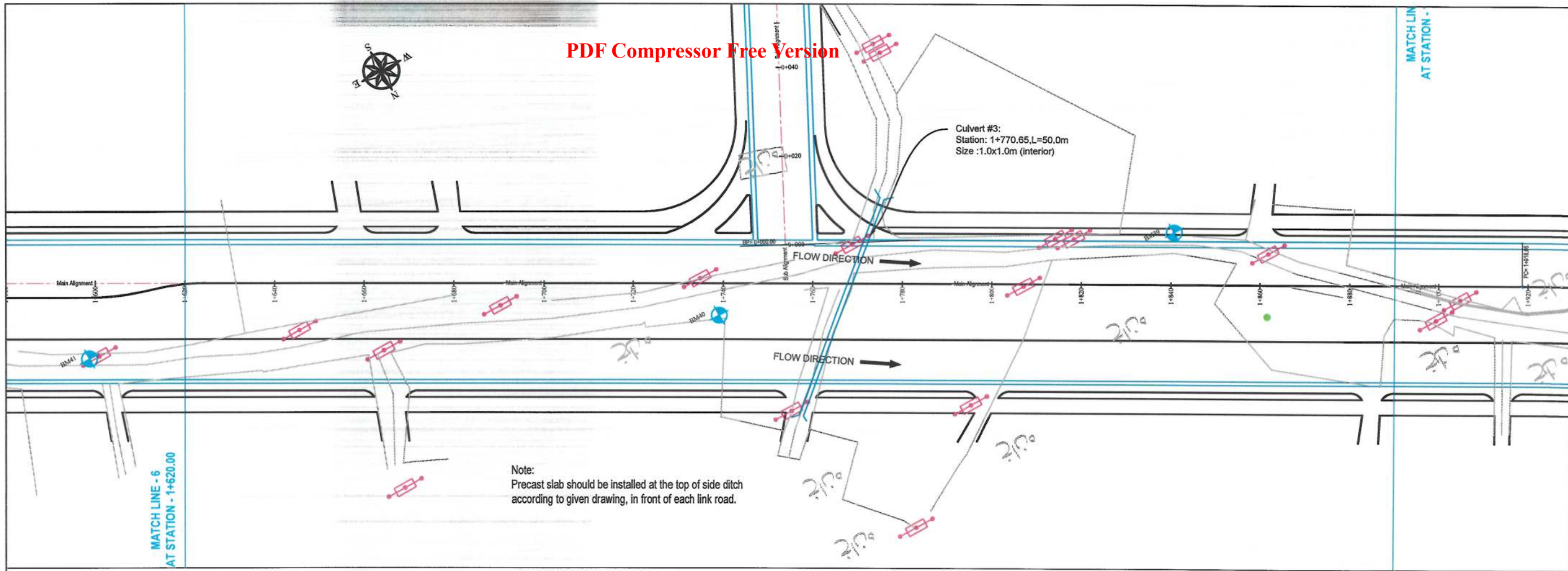
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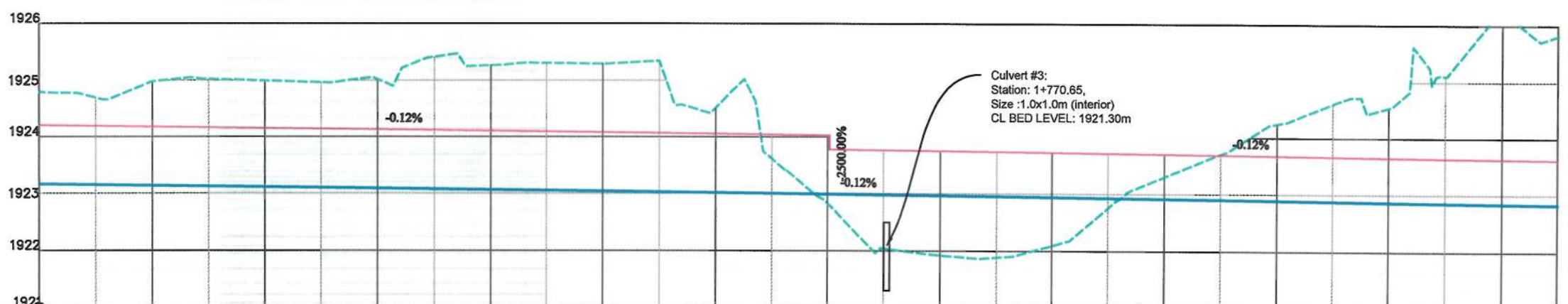
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PDF Compressor Free Version

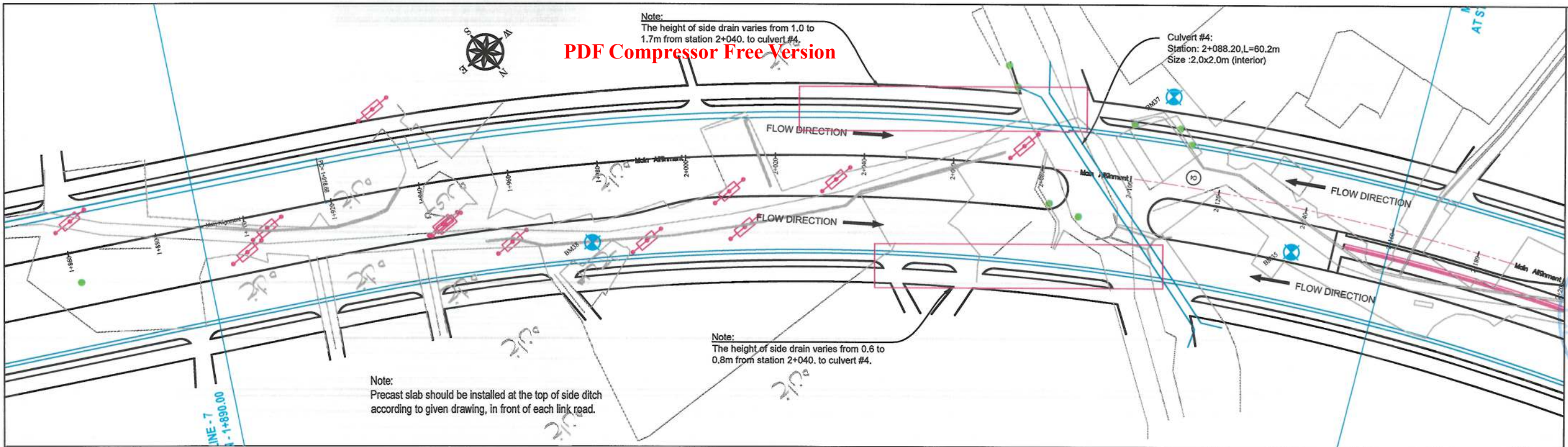


- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

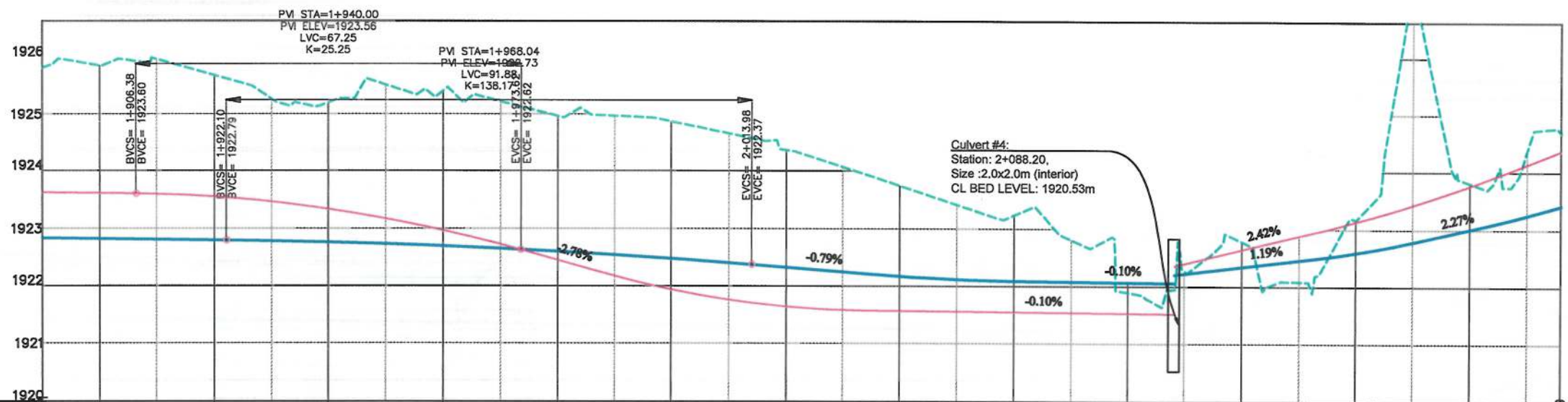


STATION	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+900
EXISTING ELEVATION	1923.16	1924.17	1924.14	1924.12	1925.01	1925.28	1924.05	1924.52	1925.81
LEFT SIDE BED DRAIN LEVEL	1923.16	1924.17	1924.14	1924.12	1925.01	1925.28	1924.05	1924.52	1925.81
RIGHT SIDE BED DRAIN LEVEL	1923.16	1924.17	1924.14	1924.12	1925.01	1925.28	1924.05	1924.52	1925.81
HORIZONTAL GEOMETRY	L=510.22								
VERTICAL GEOMETRY	G=-0.12%								

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)		
Designed by: Baz Mohammad Raji	Signature:	
Drawn by: Baz Mohammad Raji	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/26/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number	Revision	
DPP-7	00	

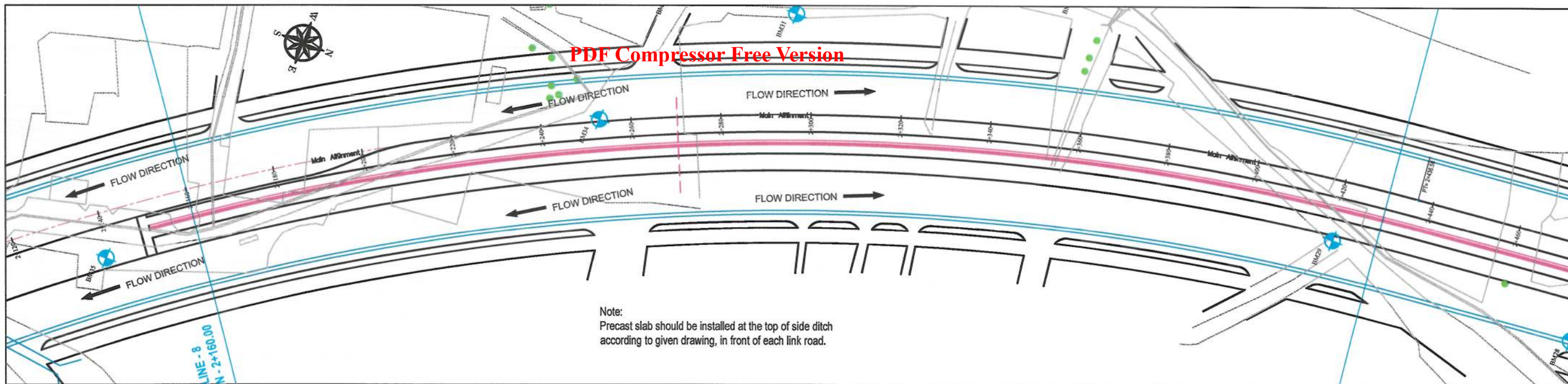


- NOTE:
- 1- The lengths of all new side drains have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- All Bed levels of new drains should be adjusted to the existing drains 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

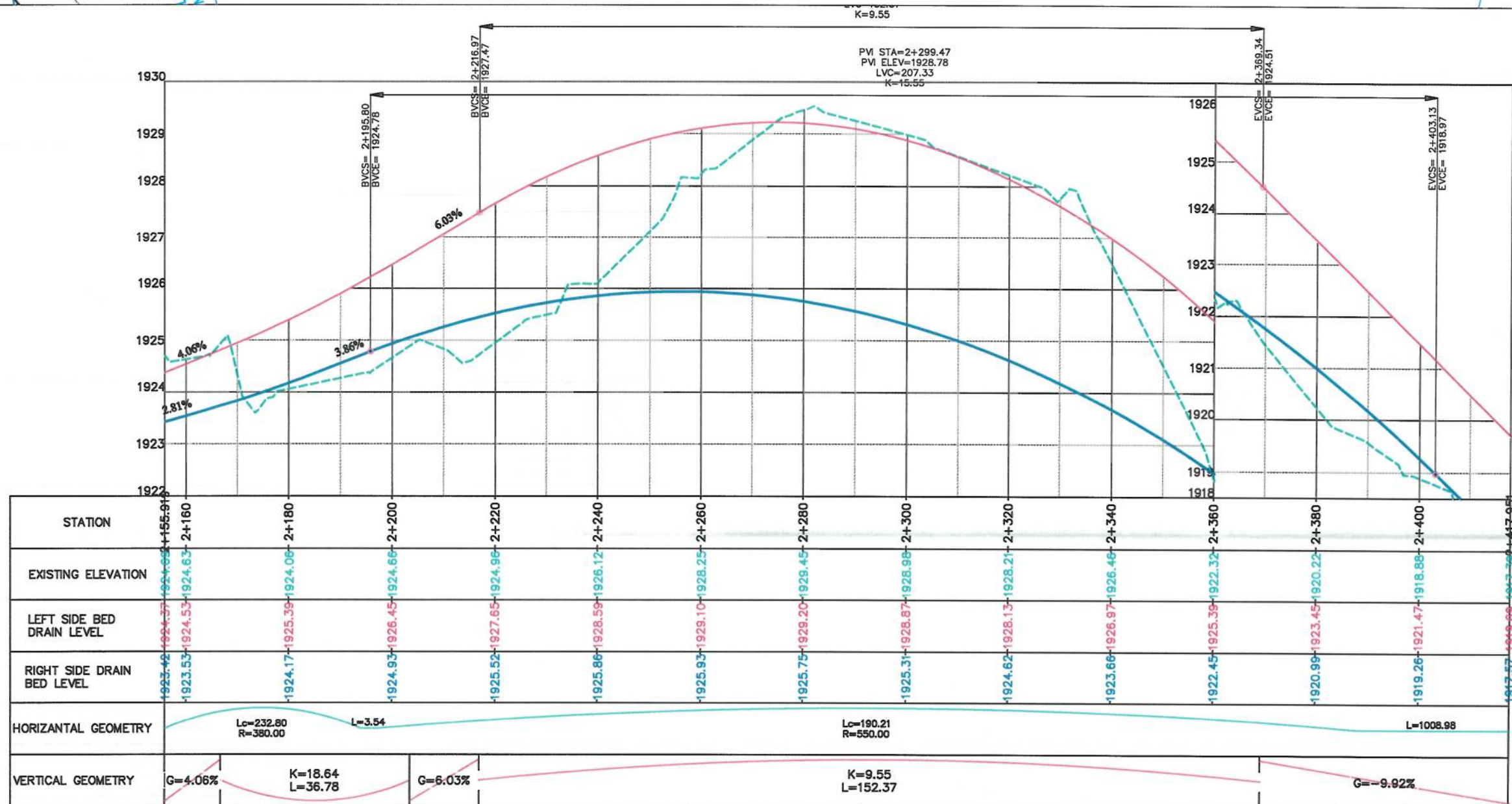


STATION	1+890.00	1+900.00	1+920.00	1+940.00	1+960.00	1+980.00	2+000.00	2+020.00	2+040.00	2+060.00	2+080.00	2+100.00	2+120.00	2+140.00	2+150.00
EXISTING ELEVATION	1922.62	1923.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62	1925.62
LEFT SIDE BED DRAIN LEVEL	1922.81	1923.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61
RIGHT SIDE BED DRAIN LEVEL	1922.81	1923.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61	1925.61
HORIZONTAL GEOMETRY	L=510.22										Lc=232.80 R=380.00				
VERTICAL GEOMETRY	G=-0.12% K=25.25 L=67.25										G=-0.10% K=24.97 L=40.88				

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)		
Designed by: Baz Mohammad Raji	Signature: [Signature]	
Drawn by: Baz Mohammad Raji	Signature: [Signature]	
Checked by: Hasibullah Shalizi	Signature: [Signature]	
Date: 9/26/2023	Scale: 1:1000	
Status: FINAL DESIGN		
Project Code		
Drawing Number	Revision	
DPP-8	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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
DRAINAGE PLAN & PROFILE
(Main Alignment)

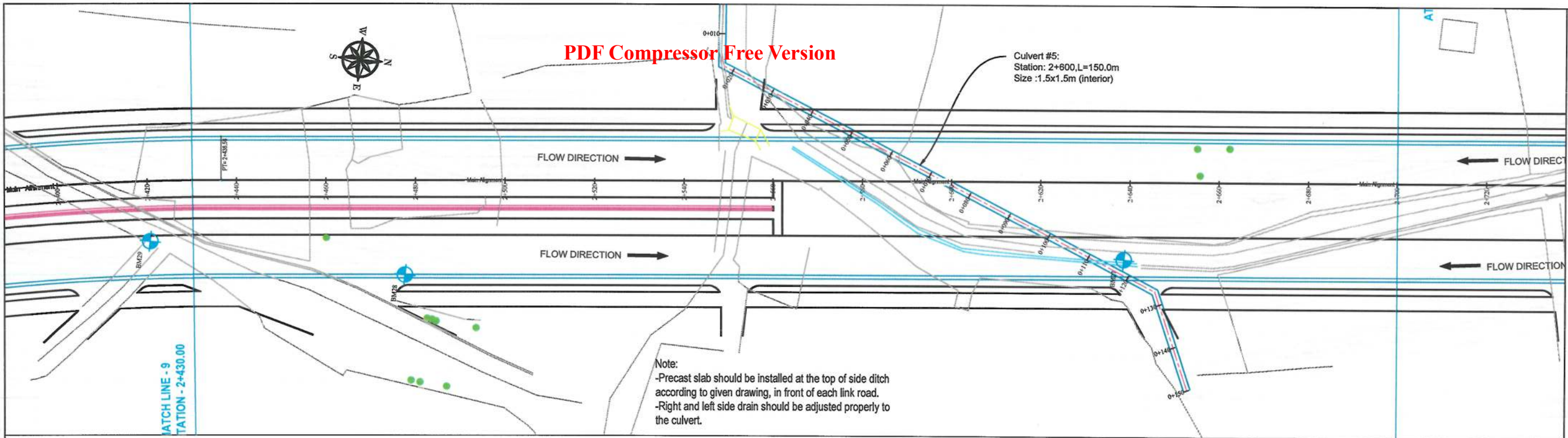
Designed by: Baz Mohammad Raji
Drawn by: Baz Mohammad Raji
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:1000

Status: FINAL DESIGN

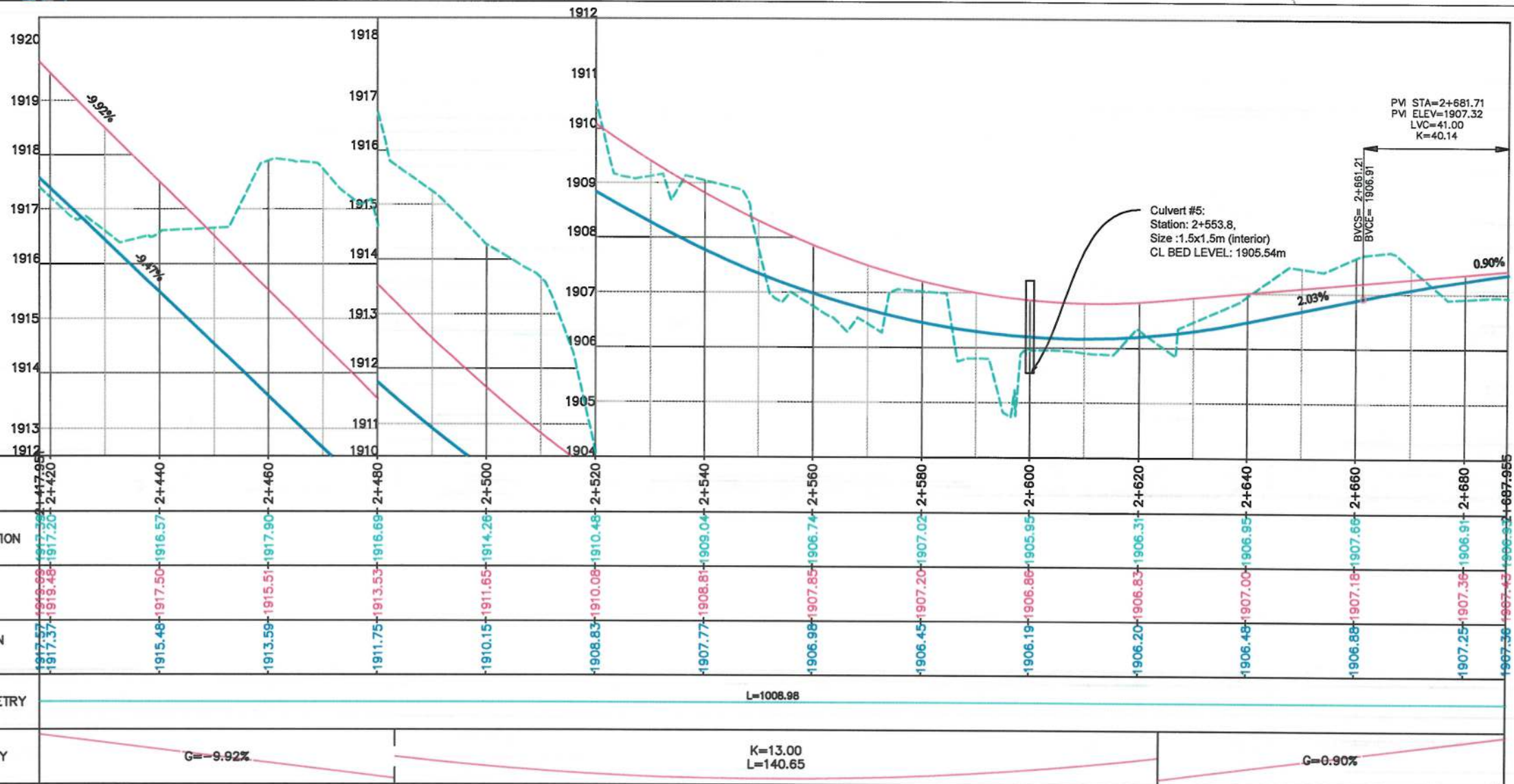
Project Code

Drawing Number: DPP-9
Revision: 00



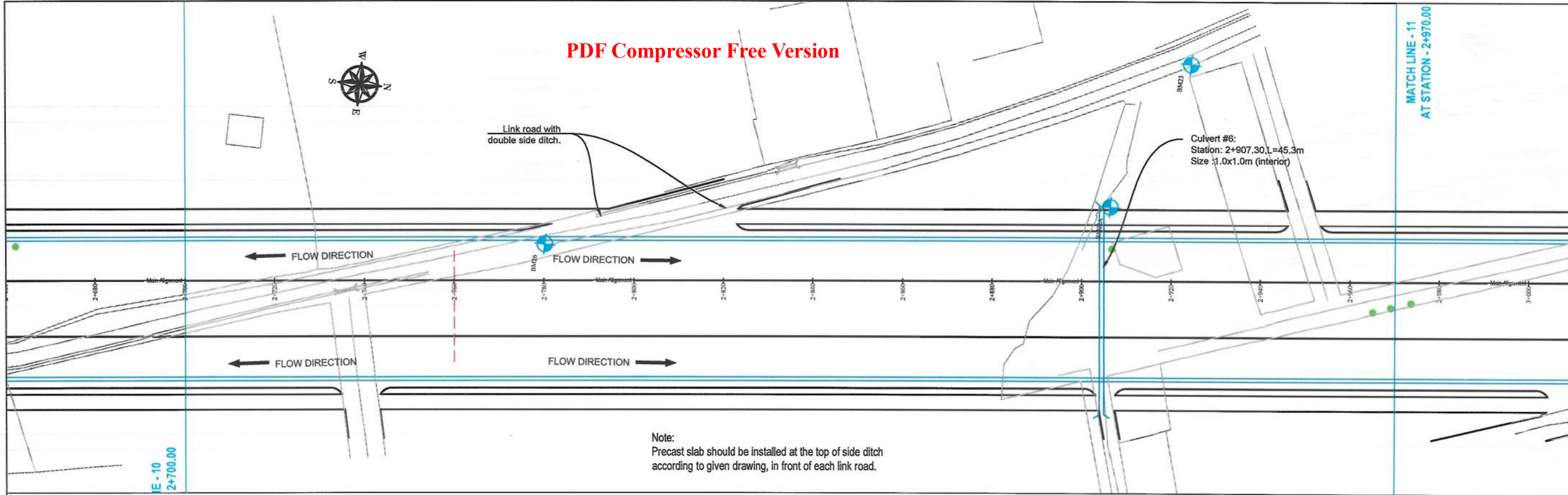
NOTE:

- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



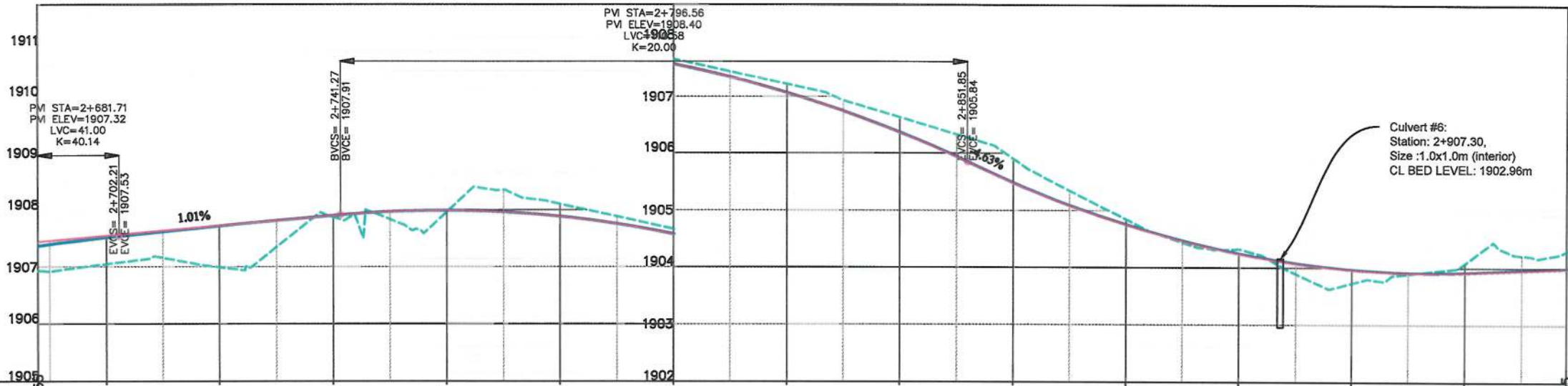
STATION	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680	2+687.955
EXISTING ELEVATION	1917.57	1915.48	1913.59	1911.75	1910.15	1908.83	1907.77	1906.98	1906.45	1906.19	1906.20	1906.48	1907.88	1907.25	1907.36
LEFT SIDE BED DRAIN LEVEL	1917.57	1915.48	1913.59	1911.75	1910.15	1908.83	1907.77	1906.98	1906.45	1906.19	1906.20	1906.48	1907.88	1907.25	1907.36
RIGHT SIDE DRAIN BED LEVEL	1917.57	1915.48	1913.59	1911.75	1910.15	1908.83	1907.77	1906.98	1906.45	1906.19	1906.20	1906.48	1907.88	1907.25	1907.36
HORIZONTAL GEOMETRY	L=1008.98														
VERTICAL GEOMETRY	G=-9.92% K=13.00 L=140.65 G=0.90%														

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	DRAINAGE PLAN & PROFILE (Main Alignment)	
Designed by:	Baz Mohammad Raji	Signature:
Drawn by:	Baz Mohammad Raji	Signature:
Checked by:	Hasibullah Shalizi	Signature:
Date:	9/26/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	DPP-10	Revision 00



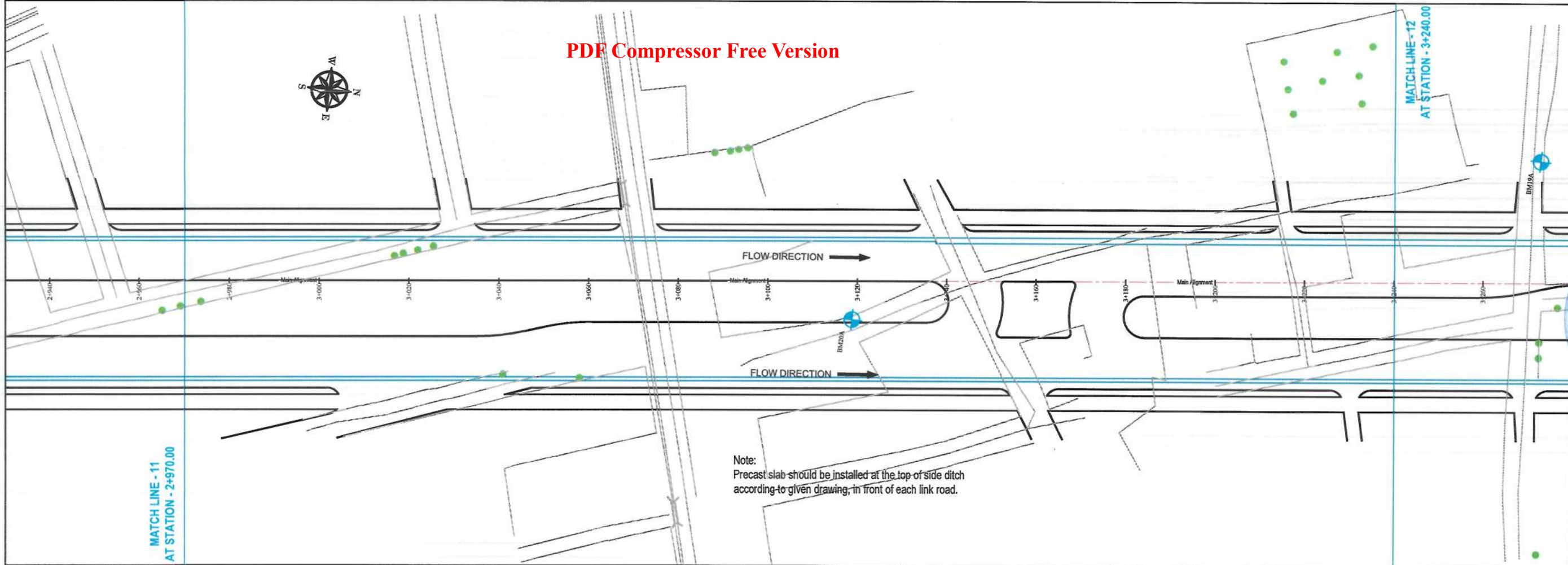
NOTE:

- 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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.

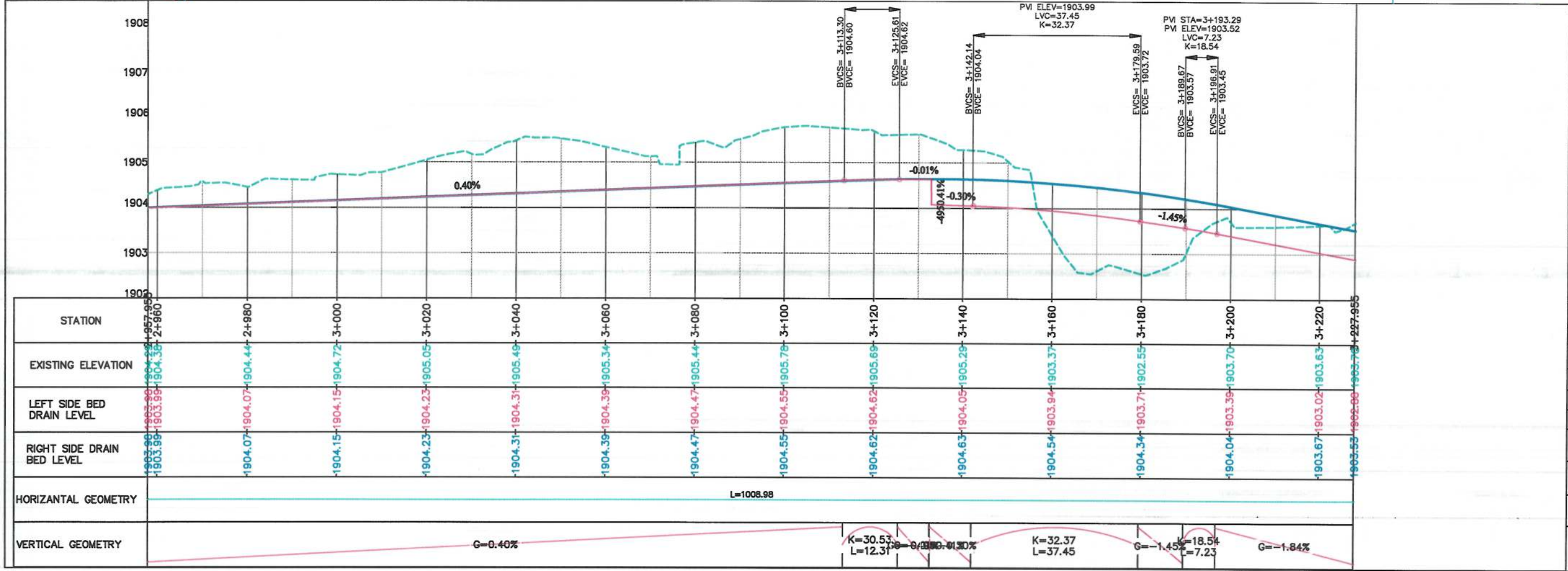


STATION	2+680	2+700	2+720	2+740	2+760	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+955
EXISTING ELEVATION	1907.36	1907.51	1907.72	1907.89	1907.99	1907.89	1907.57	1907.06	1906.35	1905.47	1904.74	1904.23	1903.96	1903.91	1903.90
LEFT SIDE BED DRAIN LEVEL	1907.36	1907.51	1907.72	1907.89	1907.99	1907.89	1907.57	1907.06	1906.35	1905.47	1904.74	1904.23	1903.96	1903.91	1903.90
RIGHT SIDE DRAIN BED LEVEL	1907.36	1907.51	1907.72	1907.89	1907.99	1907.89	1907.57	1907.06	1906.35	1905.47	1904.74	1904.23	1903.96	1903.91	1903.90
HORIZONTAL GEOMETRY	L=1008.98														
VERTICAL GEOMETRY	G=0.90% K=20.00 L=110.58 G=-4.63% K=17.39 L=87.45 G=0.40%														

Date	Revision	Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN			
Client: KABUL MUNICIPALITY			
Designed by: KABUL MUNICIPALITY DESIGN TEAM			
Project Name: Orfani to Omid-e-Sabz town connecting Road Project			
Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)			
Designed by: Baz Mohammad Raji	Signature: [Signature]		
Drawn by: Baz Mohammad Raji	Signature: [Signature]		
Checked by: Hasibullah Shalizi	Signature: [Signature]		
Date: 9/26/2023	Scale: 1:1000		
Status: FINAL DESIGN			
Project Code			
Drawing Number: DPP-11			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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: DRAINAGE PLAN & PROFILE (Main Alignment)

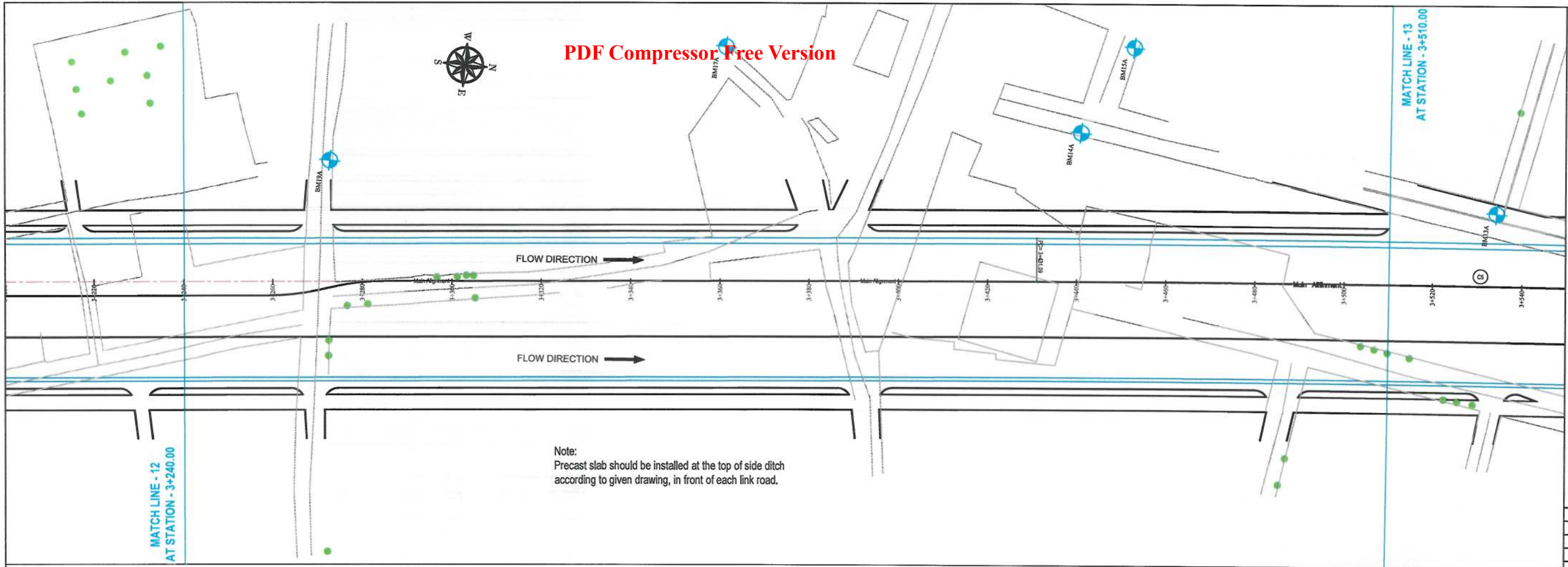
Designed by: Baz Mohammad Raji
Drawn by: Baz Mohammad Raji
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code: DPP-12

Drawing Number: DPP-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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
DRAINAGE PLAN & PROFILE
(Main Alignment)

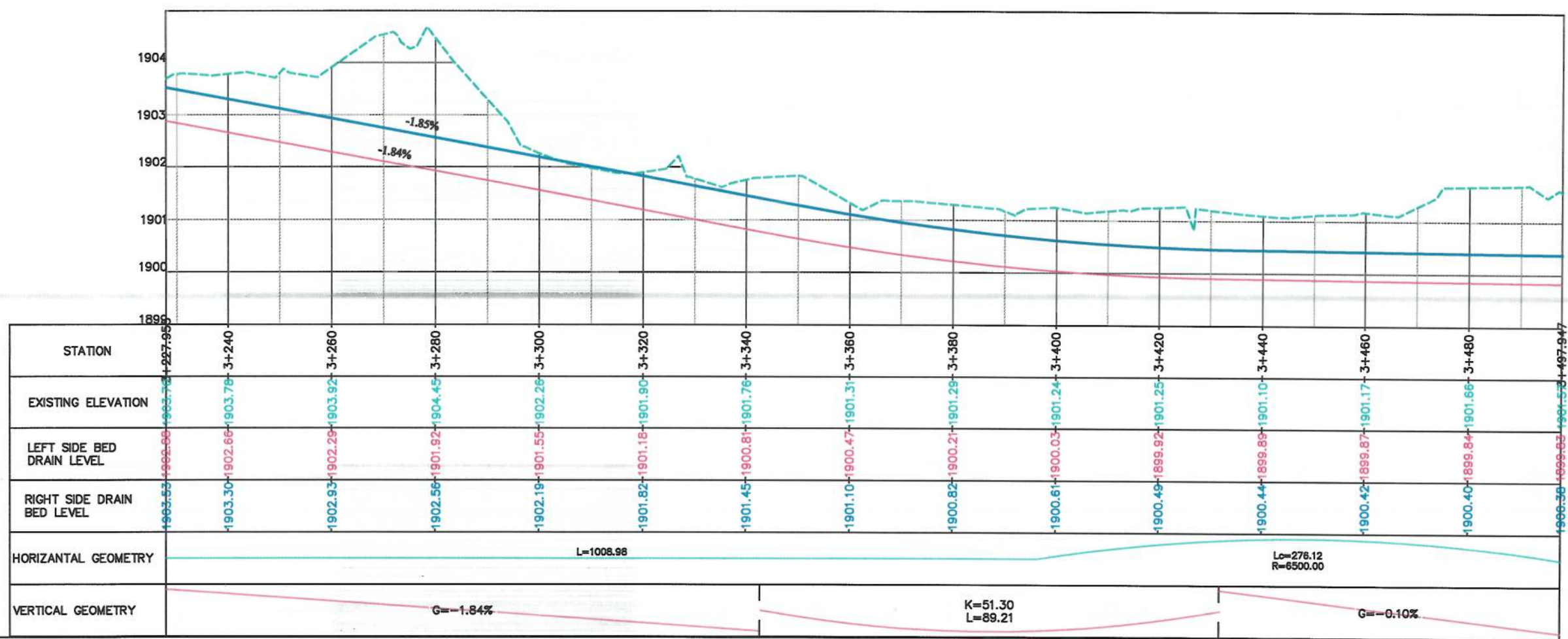
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Baz Mohammad Raji
Signature: [Signature]
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Baz Mohammad Raji
Signature: [Signature]
Checked by:
Hasbullah Shalizi
Signature: [Signature]

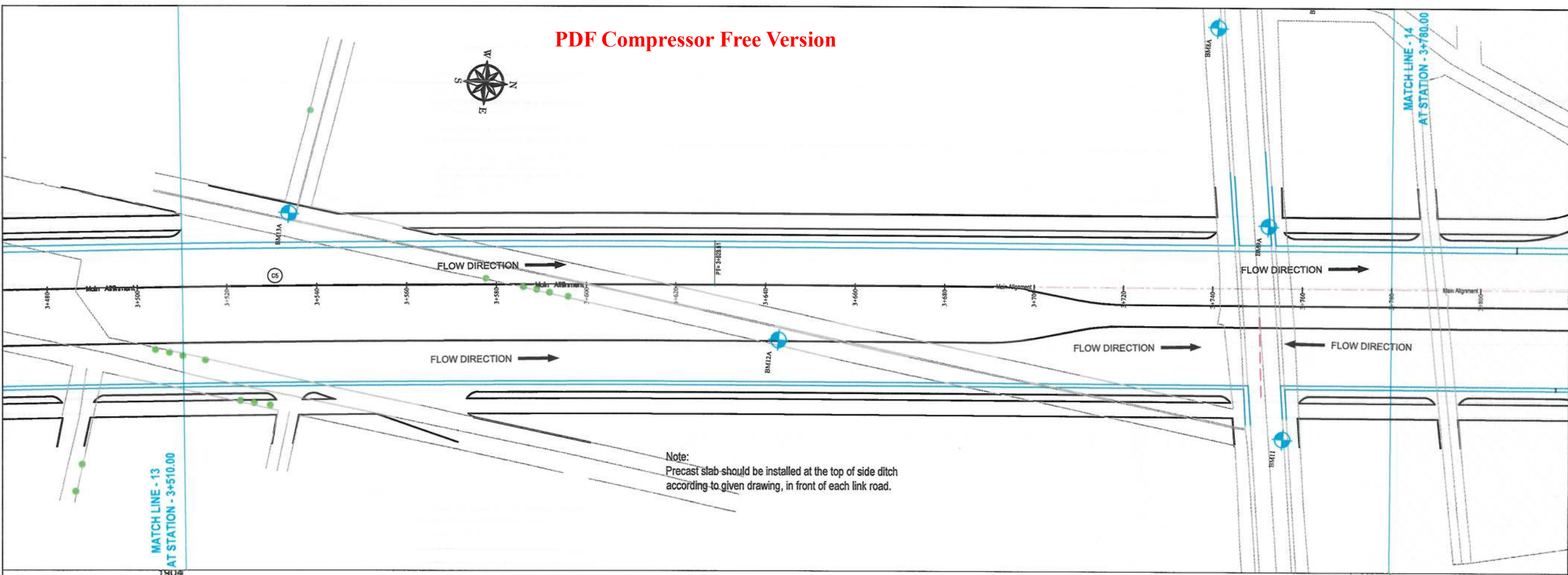
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9/26/2023
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Status:
FINAL DESIGN

Project Code

Drawing Number
DPP-13
Revision
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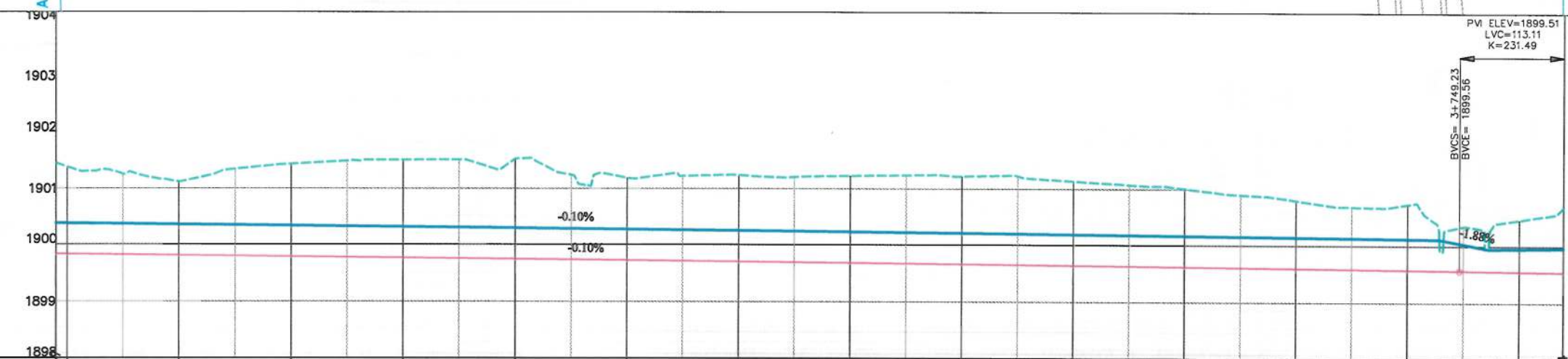
- NOTE:
- 1- The lengths of all new side ditches have shown on the plan.
 - 2- The finished level of new roads should be adjusted to the existing paved roads both at start and at the end properly.
 - 3- In case of changing in typical cross section type all components should be adjusted properly.
 - 4- 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



MATCH LINE - 13
AT STATION - 3+510.00

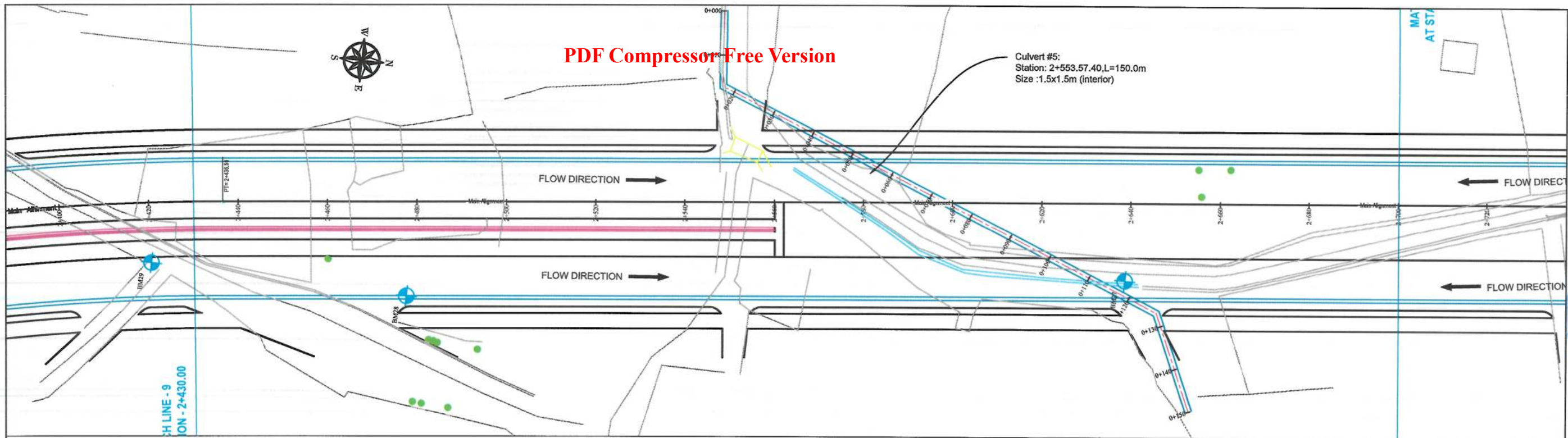
MATCH LINE - 14
AT STATION - 3+780.00

Note:
Precast slab should be installed at the top of side ditch
according to given drawing, in front of each link road.



STATION	3+480	3+500	3+520	3+540	3+560	3+580	3+600	3+620	3+640	3+660	3+680	3+700	3+720	3+740	3+760	3+780
EXISTING ELEVATION	1900.37	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35	1900.35
LEFT SIDE BED DRAIN LEVEL	1899.79	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80
RIGHT SIDE DRAIN BED LEVEL	1899.79	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80	1899.80
HORIZONTAL GEOMETRY	Lc=197.52 R=6500.00															
VERTICAL GEOMETRY	G=-0.10% K=231.49 L=113.11															

Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:	KABUL MUNICIPALITY	
Designed by:	KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title:	DRAINAGE PLAN & PROFILE (Main Alignment)	
Designed by:	Signature:	
Drawn by:	Signature:	
Checked by:	Signature:	
Date:	9/23/2023	Scale: 1:1000
Status:	FINAL DESIGN	
Project Code		
Drawing Number	DPP-14	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 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 done based on the survey with less accuracy and it is necessary to re-survey the area after the demolition of houses.



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:



KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

CULVERT #5 PLAN &
PROFILE

Designed by:

Baz Mohammad Raji

Signature:

Drawn by:

Baz Mohammad Raji

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Date:

9/26/2023

Scale:

1:1000

Status:

FINAL DESIGN

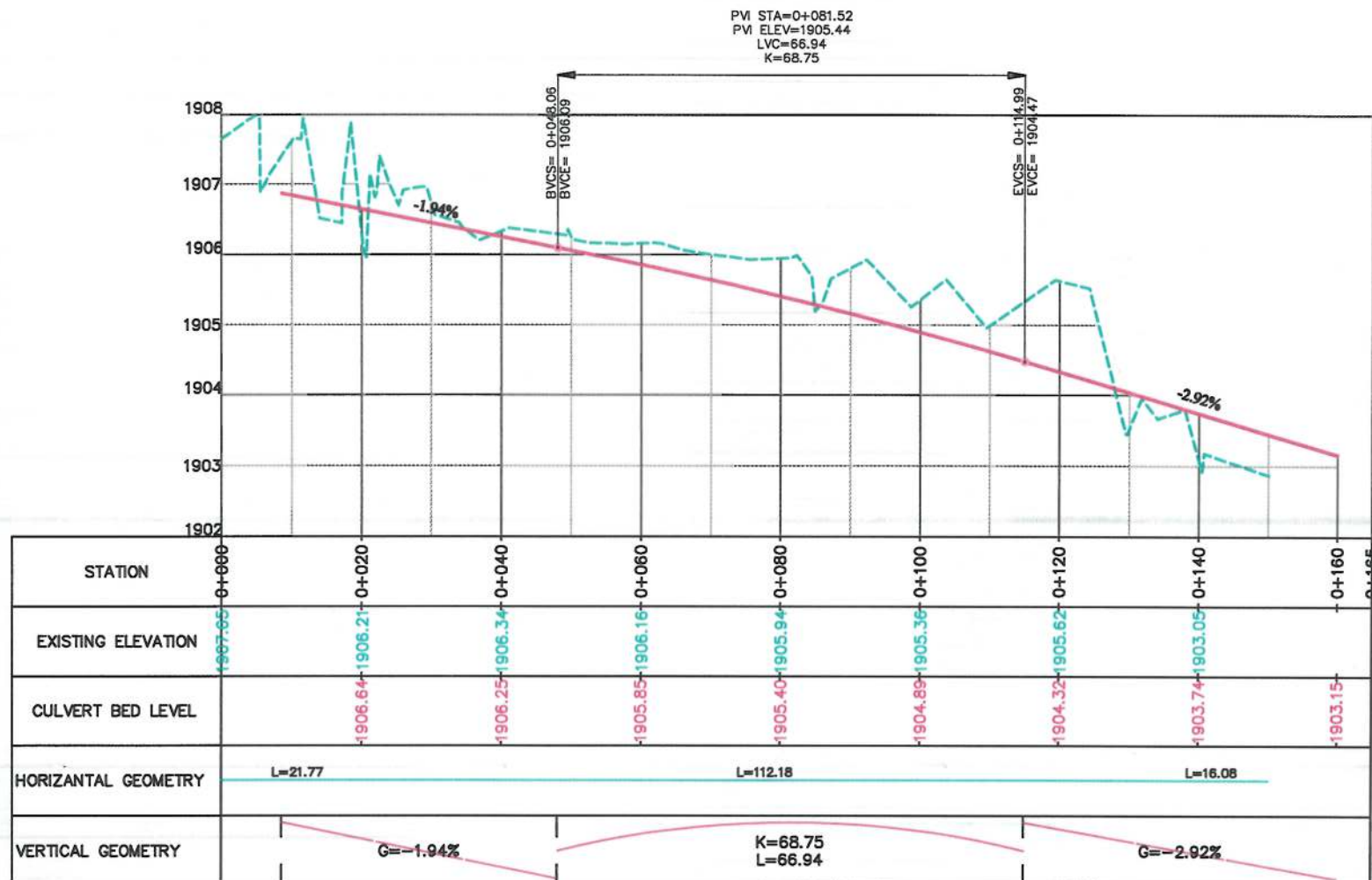
Project Code

Drawing Number

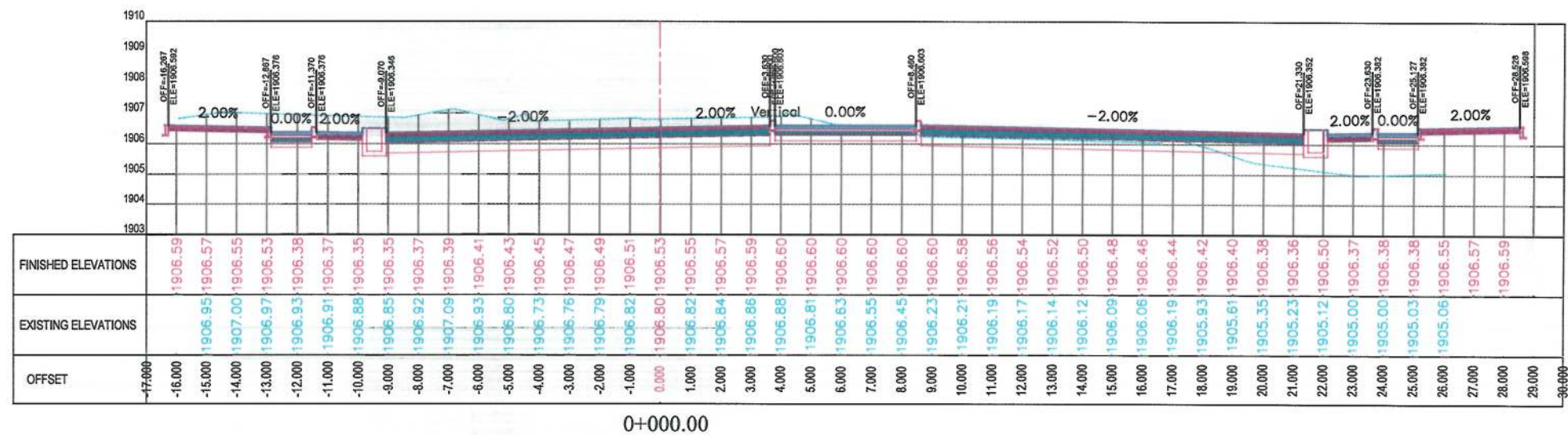
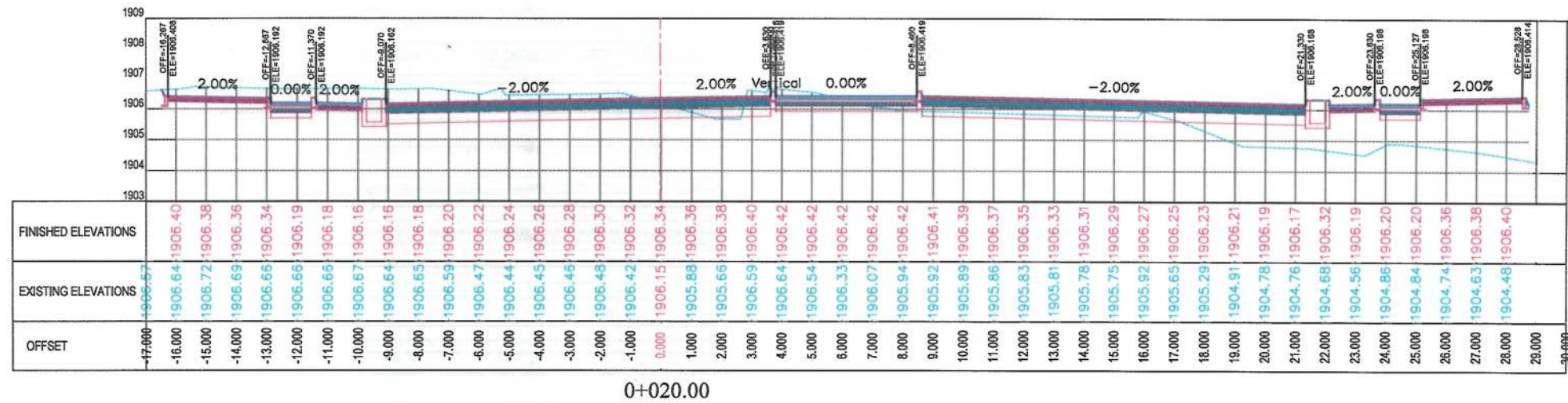
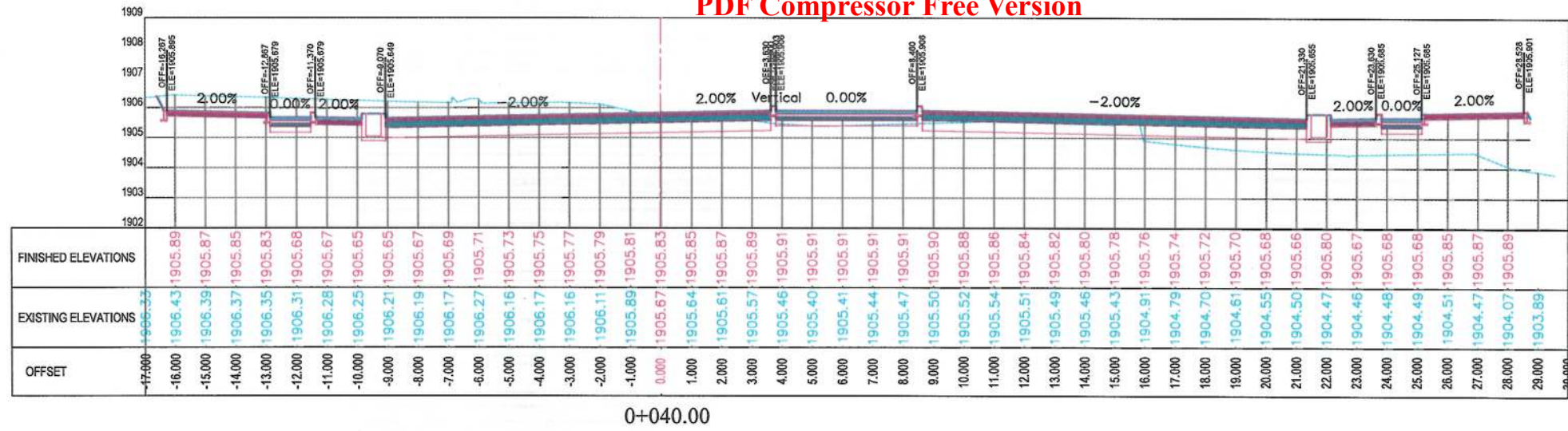
CPP-01

Revision

00



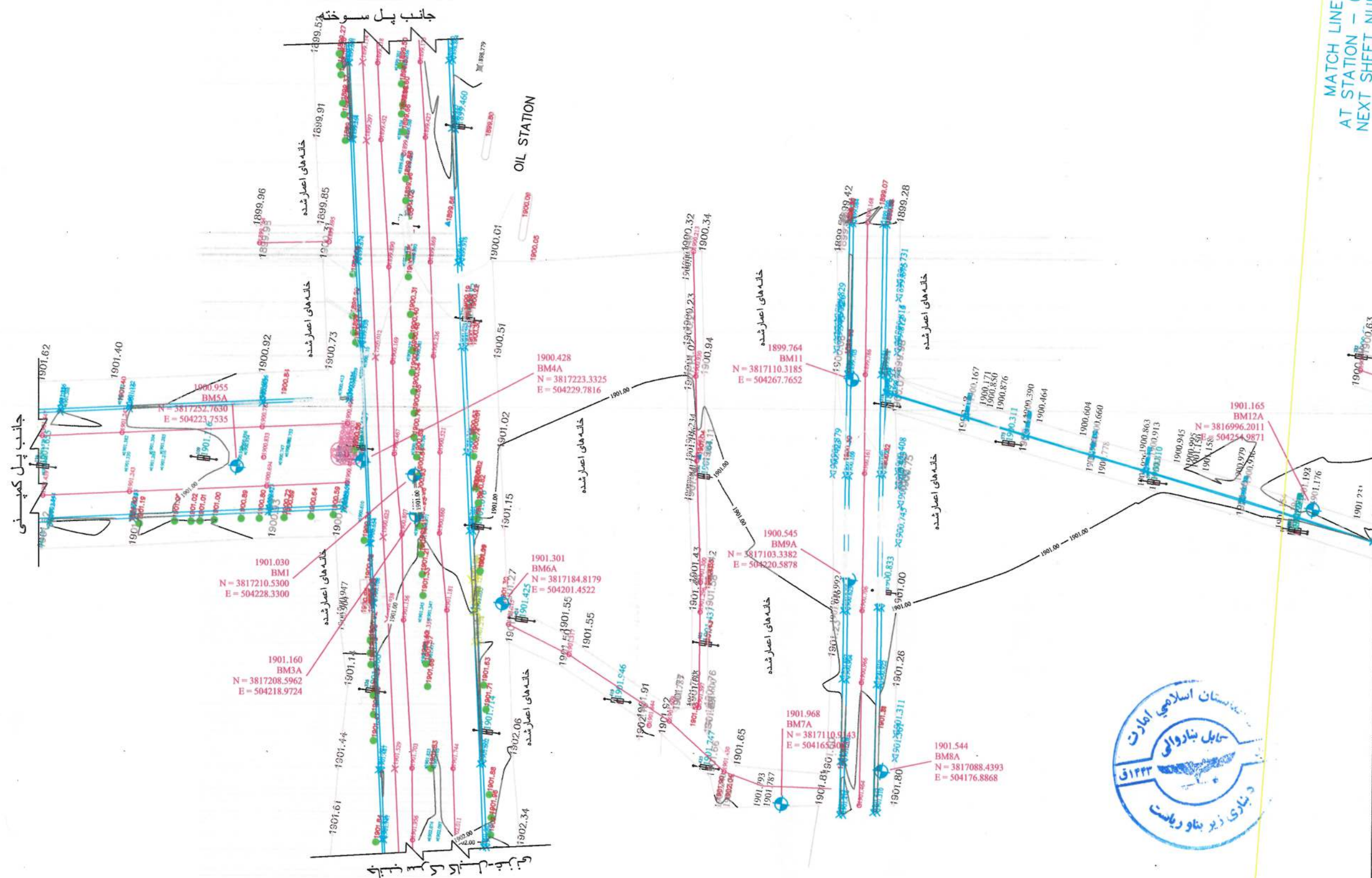
Culvert #5 Coordinate		
Station	Coordinate.N	Coordinate.E
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0+005.00	3.815.903.4559m	504.325.1403m
0+010.00	3.815.904.3260m	504.330.0640m
0+015.00	3.815.905.1962m	504.334.9877m
0+020.00	3.815.906.0664m	504.339.9114m
0+025.00	3.815.909.3758m	504.342.8496m
0+030.00	3.815.914.0204m	504.344.7009m
0+035.00	3.815.918.6651m	504.346.5522m
0+040.00	3.815.923.3097m	504.348.4035m
0+045.00	3.815.927.9543m	504.350.2548m
0+050.00	3.815.932.5990m	504.352.1061m
0+055.00	3.815.937.2436m	504.353.9574m
0+060.00	3.815.941.8883m	504.355.8087m
0+065.00	3.815.946.5329m	504.357.6600m
0+070.00	3.815.951.1776m	504.359.5113m
0+075.00	3.815.955.8222m	504.361.3626m
0+080.00	3.815.960.4668m	504.363.2139m
0+085.00	3.815.965.1115m	504.365.0652m
0+090.00	3.815.969.7561m	504.366.9165m
0+095.00	3.815.974.4008m	504.368.7678m
0+100.00	3.815.979.0454m	504.370.6191m
0+105.00	3.815.983.6901m	504.372.4704m
0+110.00	3.815.988.3347m	504.374.3217m
0+115.00	3.815.992.9793m	504.376.1730m
0+120.00	3.815.997.6240m	504.378.0243m
0+125.00	3.816.002.2686m	504.379.8756m
0+130.00	3.816.006.9133m	504.381.7269m
0+135.00	3.816.011.2525m	504.383.9985m
0+140.00	3.816.014.4478m	504.387.8443m
0+145.00	3.816.017.6431m	504.391.6900m
0+150.00	3.816.020.8384m	504.395.5358m



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: Orfani to Omid-e-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi
Date: 9/28/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code: CS-1
Drawing Number: 00

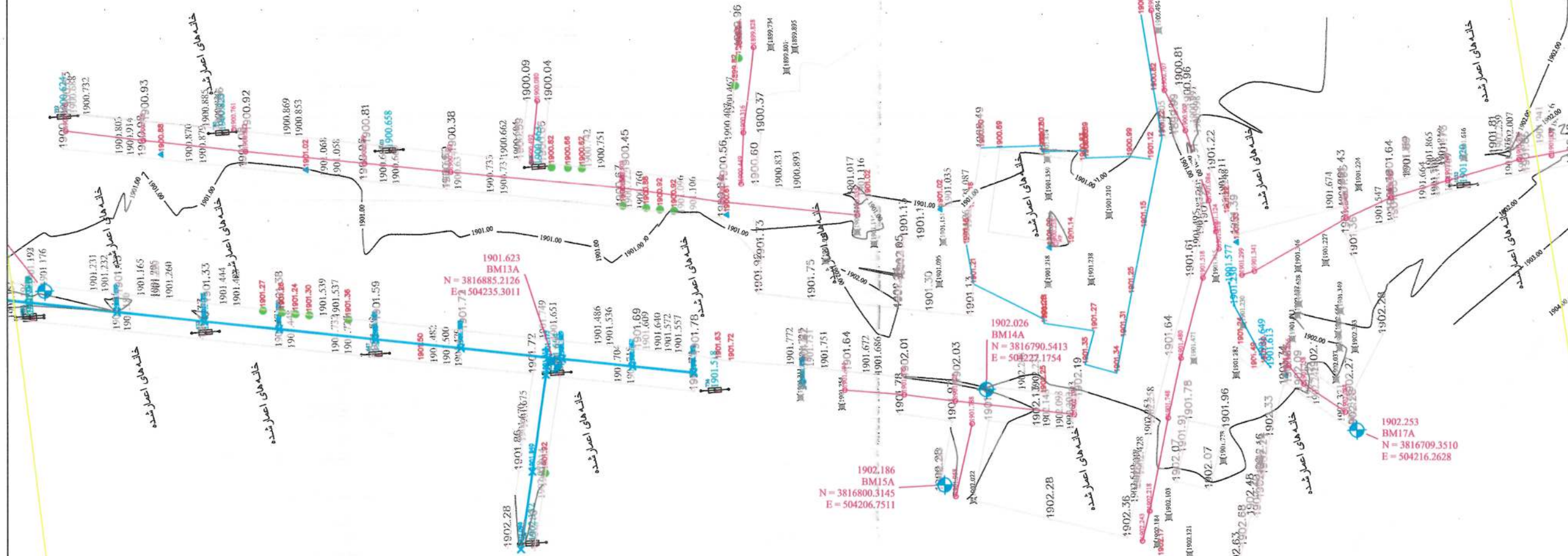


MATCH LINE - 1
AT STATION - 0+318.11
NEXT SHEET NUMBER - 2

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

LEGEND		
No.	CODE	FIGURE
1	DETAIL	
2	RR	Roof Edge
3	BW	Boundary Wall
4	MSQ	Mosque
5	DT	Drainage
6	BD	Bottom Drainage
7	CL	Center Line
8	CLC	Center Line of Canal
9		Office
10	CU	Culvert
11	CN	The Canal
12	SW	Swamp
13	WN	Water Network
14	RTA	Road
15	LL	Level Line
16	UP	Upper Pipe
17	CN	Canal
18	RP	Road Pipe
19	SD	Swamp
20	BAK	Bakery
21	SH	Shop
22	SH	Shop
23	W	W - Wall
24	TP	Transportation Point
25	RP	Road Pipe
26	TP	Transportation Point
27	MA	Main Machine
28	MA	Main Machine
29	MA	Main Machine
30	MA	Main Machine
31	RP	Road Pipe
32	TP	Transportation Point
33	MA	Main Machine
34	MA	Main Machine
35	MA	Main Machine
36	MA	Main Machine
37	RP	Road Pipe
38	MA	Main Machine
39	MA	Main Machine
40	MA	Main Machine
41	MA	Main Machine
42	TP	Transportation Point
43	MA	Main Machine
44	MA	Main Machine
45	MA	Main Machine
46	MA	Main Machine
47	MA	Main Machine
48	MA	Main Machine
49	MA	Main Machine
50	MA	Main Machine
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95	MA	Main Machine
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97	MA	Main Machine
98	MA	Main Machine
99	MA	Main Machine
100	MA	Main Machine

DATE	REVISION DETAILS	DRAWN	
<p style="text-align:center;">ISLAMIC EMIRATE OF AFGHANISTAN</p>			
SURVEYED BY:			
		KABUL MUNICIPALITY SURVEY TEAM	
			
PROJECT NAME:			
سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفانی			
DRAWING TITLE:			
سروی توپوگرافی			
SURVEYED BY: ENG.ABULLAH ENG.KARIMEEDEN			
SURVEYED BY: ENG.HASEEBULLAH ENG.NAMATULLAH			
SURVEYED BY: ENG.MUSTAFA ENG.BASMALLAH			
HEAD OF SURVEY: ENG.SAYED ATIQ			
DATE:		SCALE: 1:1000	
STATUS:			
TOPOGRAPHIC-SURVEY			
PROJECT CODE:			
DRAWING #:		BY DATE	
1			



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

NO.	CODE	DETAIL	FIGURE
1	REL	Building	
2	RE	Road Edge	
3	RE	Boundary Wall	
4	RE	Drainage	
5	RE	Play Ground	
6	RE	Station Driveway	
7	CL	Center Line	
8	CL	Property Line	
9	P	Office	
10	CU	Culvert	
11	CU	Tap Canal	
12	CU	Water Line	
13	CU	Water Main	
14	CU	Water	
15	CU	Water Pipe Line	
16	CU	Water Pipe	
17	CU	Water	
18	CU	Water	
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61	CU	Water	
62	CU	Water	

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG.ABDULLAH ENG.AKREMEEDEN

SURVEYED BY: ENG.HASHEBULLAH ENG.NAMATULLAH

SURVEYED BY: ENG.MUSTAFA ENG.BASMAILAH

HEAD OF SURVEY: ENG. SAYED ATIQ

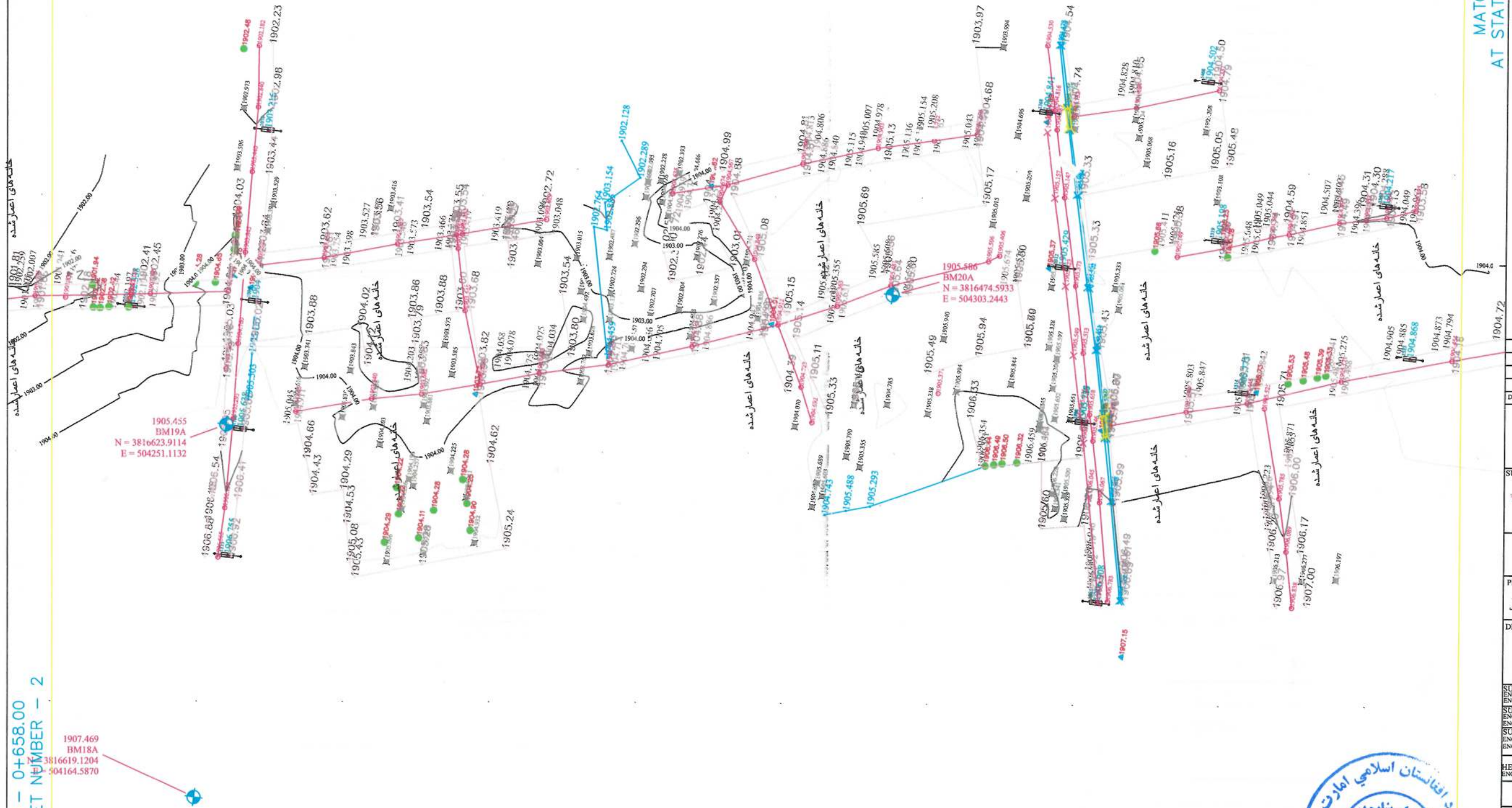
DATE: SCALE: 1:1000

STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE: DRAWING #: 2



AT STATION - 0+658.00
PREVIOUS SHEET NUMBER - 2



MATCH LINE - 3
AT STATION - 0+987.00

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

No.	CODE	DETAIL	FIGURE
1	BL	Boundary	
2	BL	Boundary	
3	BL	Boundary	
4	BL	Boundary	
5	BL	Boundary	
6	BL	Boundary	
7	BL	Boundary	
8	BL	Boundary	
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60	BL	Boundary	
61	BL	Boundary	
62	BL	Boundary	

DATE	REVISION	DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
سرروی توپوگرافیک مسیر سړک اعتبار از
ختم شهرک امید سیز اتصال به سړک عرفانی

DRAWING TITLE:
سرروی توپوگرافیک

SURVEYED BY:
ENG. ABDULLAH
ENG. KHEMMEEDEN
SURVEYED BY:
ENG. HASEEBULLAH
SURVEYED BY:
ENG. NAMATULLAH
SURVEYED BY:
ENG. MUSTAFA
ENG. BASHALLAH

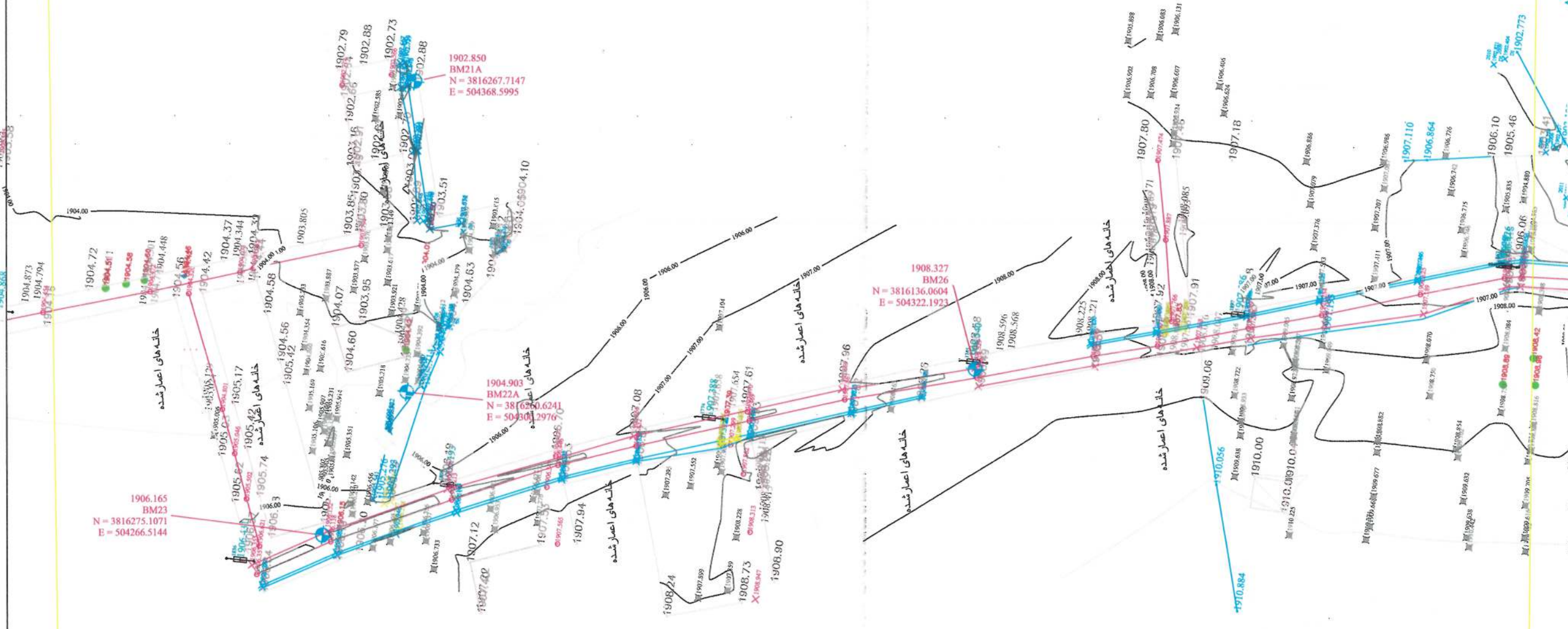
HEAD OF SURVEY:
ENG. SAYED ATIQ

DATE:
SCALE: 1:1000

STATUS:
TOPOGRAPHIC SURVEY
PROJECT CODE:
DRAWING #:
3



MATCH LINE - 3
AT STATION - 0+987.00
PREVIOUS SHEET NUMBER - 3



MATCH LINE - 4
AT STATION - 1+316.00

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

NO	CODE	DETAIL	FIGURE
1	BL	Building	
2	BL	Roof Edge	
3	BL	Roof Line	
4	MSQ	Manhole	
5	TD	Top Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CU	Culvert	
11	CV	Canal	
12	BCN	Bottom Curve	
13	MCN	Top Curve	
14	BT	Buttress	
15	BLN	Bottom Line	
16	WP	Water Pipe	
17	CS	Concrete	
18	SP	Steel Pipe	
19	MD	Medium	
20	BAK	Bakery	
21	SH	Shop	
22	ST	Street	
23	FW	Fire Wall	
24	TP	Telephone	
25	HP	House	
26	LP	Light Pole	
27	BM	Bench Mark	
28	TM	Topographic	
29	DB	Drainage	
30	CB	Canal	
31	BP	Bottom Pipe	
32	CLP	Center Line Pipe	
33	MM	Manhole	
34	CV	Canal	
35	DM	Drainage	
36	TE	Tree	
37	BLV	Bottom Line	
38	CV	Canal	
39	BP	Bottom Pipe	
40	CP	Center Pipe	
41	ATM	Atmosphere	
42	TP	Telephone	
43	BS	Bus Station	
44	PCD	Public Car	
45	BD	Bottom Drainage	
46	CV	Canal	
47	TP	Telephone	
48	NDP	North Direction	
49	WALL	Wall	
50	W	Water	
51	M	Manhole	
52	CV	Canal	
53	CP	Center Pipe	
54	BP	Bottom Pipe	
55	AB	Abutment	
56	TR	Topographic	
57	BL	Bottom Line	
58	BL	Bottom Line	
59	BL	Bottom Line	
60	BL	Bottom Line	
61	P	Pole	
62	CV	Canal	

DATE	REVISION	DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
سرروی توپوگرافی مسیر سرک اعتبار از
ختم شهرک امید سبز اتصال به سرک خرمی

DRAWING TITLE:
سرروی توپوگرافی

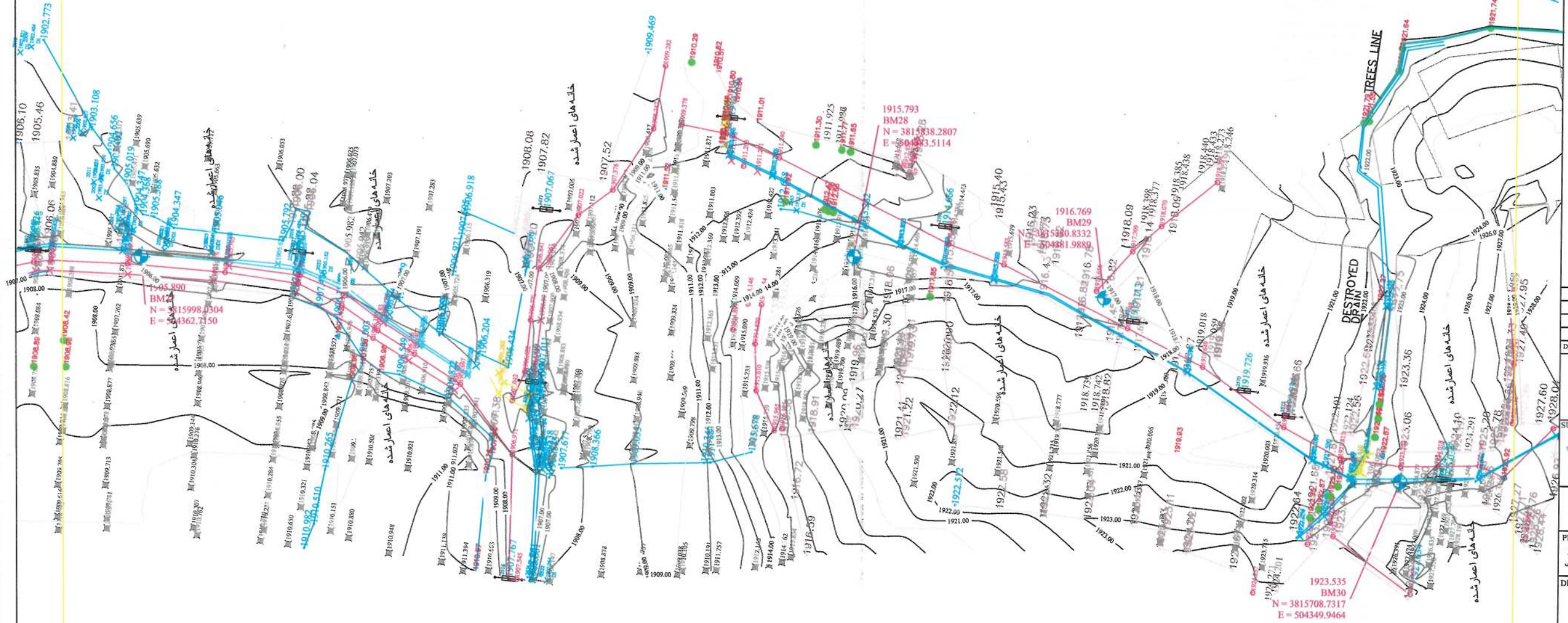
SURVEYED BY:
ENG. ABDULLAH
ENG. KAREMEHEDIN
SURVEYED BY:
ENG. HASEEBULLAH
ENG. NAMATULLAH
SURVEYED BY:
ENG. MUSTAFA
ENG. BASMALLAH

HEAD OF SURVEY:
ENG. SAYED ATIQ
DATE:
SCALE: 1:1000

STATUS:
TOPOGRAPHIC - SURVEY
PROJECT CODE:
DRAWING #:
4



AT STATION - 1+316.00
PREVIOUS SHEET NUMBER - 4



MATCH LINE - 5
AT STATION - 1+645.00

NOTE: 1. ALL DIMENSIONS ARE IN METERS

UNLESS OTHERWISE INDICATED

APPENDIX

No.	CODE	DETAILS	FIGURE
1	BL	Building	
2	RE	Road Edge	
3	WV	Wasteway Wall	
4	MSQ	Midslope	
5	FD	Fog Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CLC	Centerline Street View	
9	F	Fence	
10	CU	Culvert	
11	UCV	Top Line	
12	BCN	Bottom Center	
13	MN	Water Main	
14	STA	Star	
15	CLN	Center Line	
16	WP	Water Pipe	
17	CN	Culvert	
18	EP	Edge Pipe	
19	MD	Median	
20	BAK	Bakery	
21	SH	Shop	
22	SCN	School	
23	FW	F = Wall	
24	TP	Topographical Point	
25	HP	Highway	
26	EP	Edge Pipe	
27	SM	Stomach	
28	TM	Topographical	
29	SB	Side Branch	
30	DOOR	Door	
31	REP	Repetitive	
32	CEP	Centerline	
33	HM	Home	
34	SPN	Spoken	
35	BM	Bottom	
36	TR	Tree	
37	BRV	Bottom of River	
38	AB	Amusement	
39	SCU	Scenic	
40	CAF	Cafeteria	
41	ATM	ATM	
42	TEP	Telephone	
43	BS	BUS STATION	
44	PCD	Public Call	
45	ROD	Road	
46	CM	Community	
47	TSR	Traffic Signal	
48	NOF	Not for	
49	WALL	Wall	
50	SWW	Water of	
51	MH	Manhole	
52	SCW	Sanitary	
53	POCK	Pocket	
54	SLFA	Soft	
55	AB	Amusement	
56	TRNG	Training	
57	DLR	Down	
58	EVN	Evening	
59	PL	Public	
60	PLP	Public	
61	PL	Public	
62	AR	Arched	

DATE	REVISION DETAILS	DRAWN	


ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME: مسروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفاتو

DRAWING TITLE:
سر وی توپوگرافی

VERVEYED BY: G:ABDULLAH G:AKREMEEDEN	
VERVEYED BY: G:HASEEBULLAH G:NAMATULLAH	
VERVEYED BY: G:MUSTAFA G:BASMALLAH	

HEAD OF SURVEY: G. SAYED ATIQ	
----------------------------------	---

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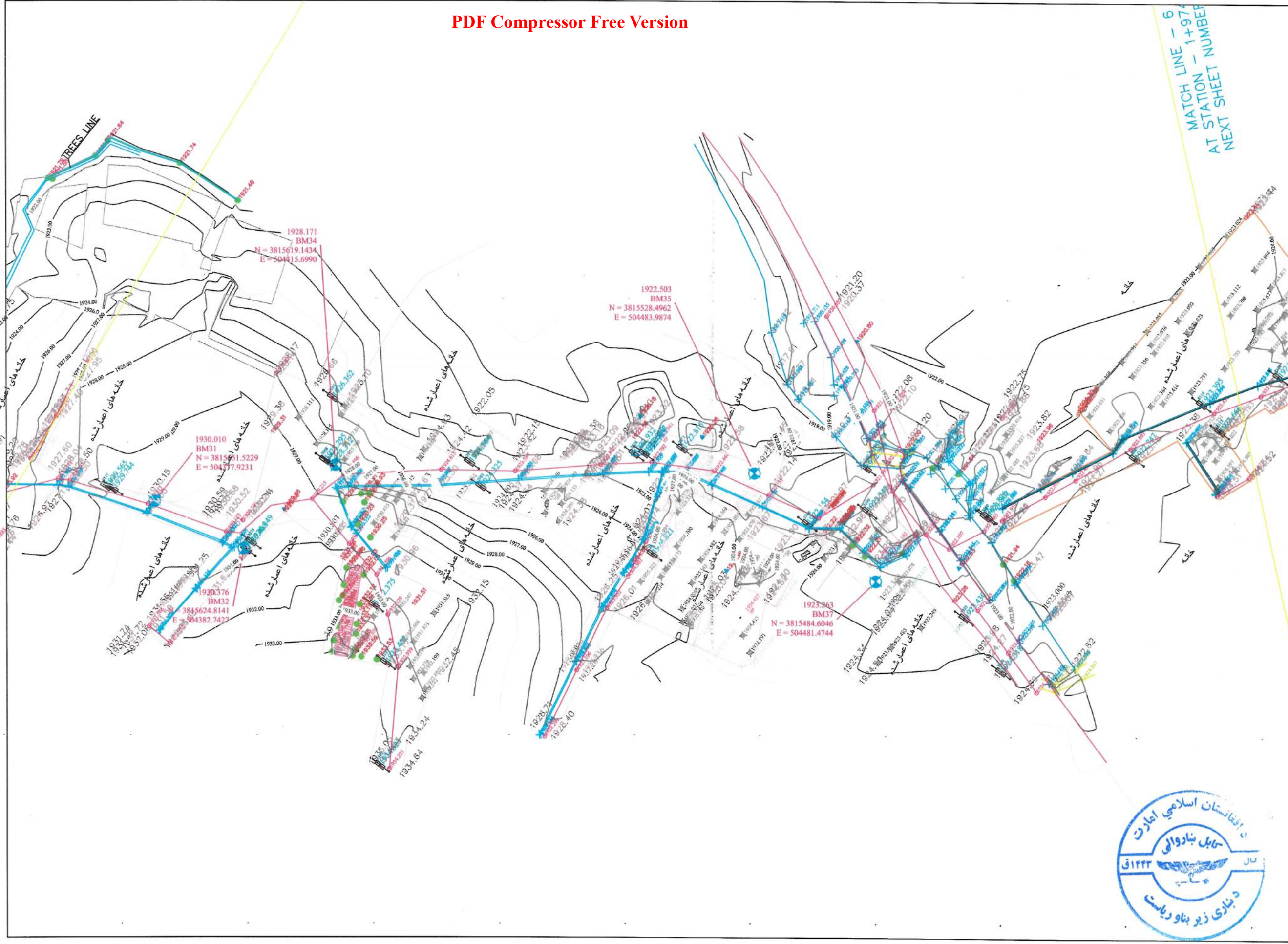
STATUS:	
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TOPOGRAPHIC SURVEY	
PROJECT CODE:	

DRAWING #:	REVISION:
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SAWING #.	5		
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NOTE: 1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

NO.	CODE/DETAIL	FIGURE
1	BL	Boundary
2	BE	Beard Edge
3	BLW	Boundary Wall
4	BLW	Boundary Wall
5	FD	Foot Drainage
6	BD	Bedrock Drainage
7	CL	Center Line
8	CLC	Center Line
9	P	Pole
10	CU	Culvert
11	TCN	Top Case
12	BCN	Bottom Case
13	MD	Main Drainage
14	DTA	Drainage
15	BLINE	Boundary Line
16	MD	Main Drainage
17	EN	Entrance
18	BP	Back Plot
19	MD	Main Drainage
20	BL	Boundary
21	BL	Boundary
22	BL	Boundary
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47	BL	Boundary
48	BL	Boundary
49	BL	Boundary
50	BL	Boundary
51	BL	Boundary
52	BL	Boundary
53	BL	Boundary
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55	BL	Boundary
56	BL	Boundary
57	BL	Boundary
58	BL	Boundary
59	BL	Boundary
60	BL	Boundary
61	BL	Boundary
62	BL	Boundary

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG.ABDULLAH	
SURVEYED BY: ENG.AKREMEEDEN	
SURVEYED BY: ENG.HASEBULLAH	
SURVEYED BY: ENG.NAMATULLAH	
SURVEYED BY: ENG.MUSTAFA	
SURVEYED BY: ENG.BASHALLAH	

HEAD OF SURVEY: ENG. SAYED ATIQ

DATE: SCALE: 1:1000

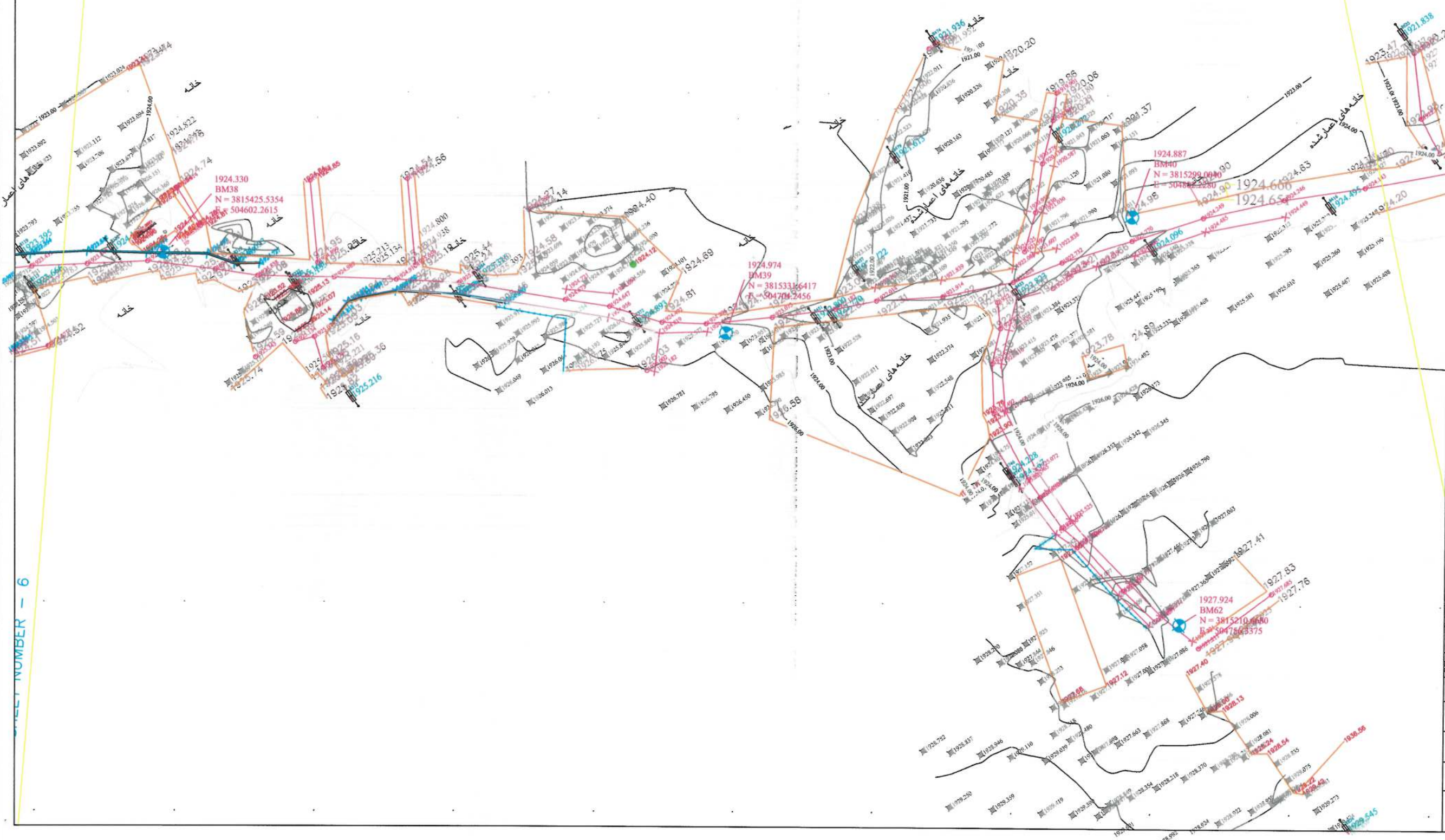
STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE:

DRAWING #: 6

SHEET NUMBER - 6

MATCH LINE - 7
AT STATION - 2+303.00
NEXT SHEET NUMBER: 8



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

NO	CODE	DETAIL	FIGURE
1	BL	Boundary Line	
2	BL	Boundary Line	
3	BL	Boundary Line	
4	BL	Boundary Line	
5	BL	Boundary Line	
6	BL	Boundary Line	
7	BL	Boundary Line	
8	BL	Boundary Line	
9	BL	Boundary Line	
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19	BL	Boundary Line	
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57	BL	Boundary Line	
58	BL	Boundary Line	
59	BL	Boundary Line	
60	BL	Boundary Line	
61	BL	Boundary Line	
62	BL	Boundary Line	

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتسار به سرک عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG. ABDULLAH ENG. AKREMEEDEN

SURVEYED BY: ENG. HASEEBULLAH ENG. NAMATULLAH

SURVEYED BY: ENG. MUSTAFA ENG. BASHMALLAH

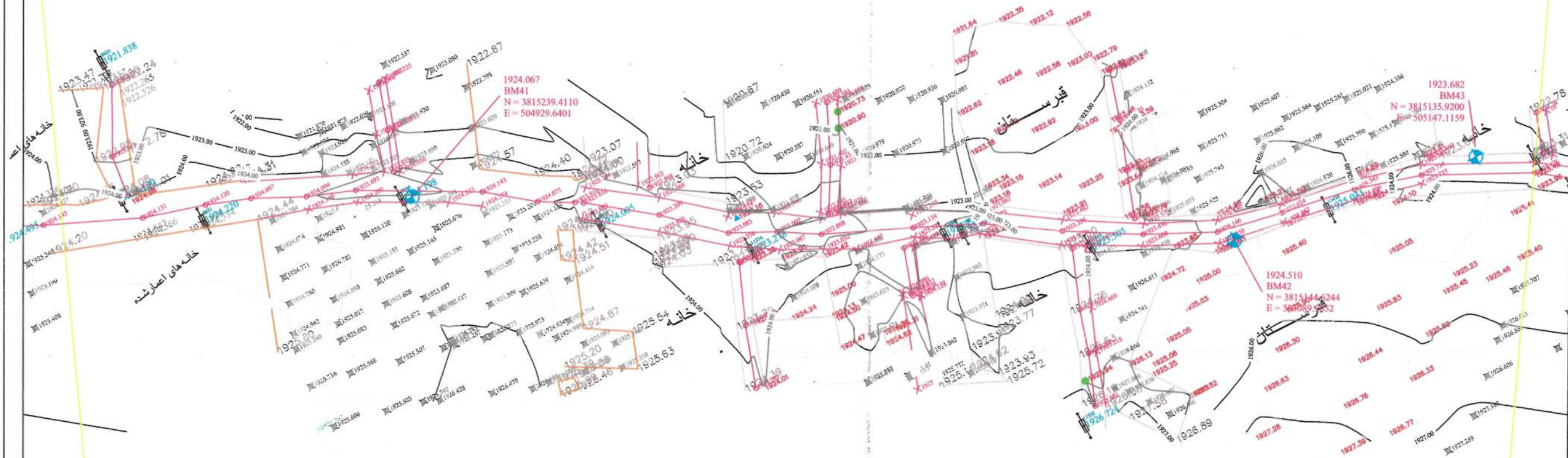
HEAD OF SURVEY: ENG. SAYED ATIQ

DATE: SCALE: 1:1000

STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE: 1422

DRAWING: 1422



MATCH LINE - 7
AT STATION - 2+303.00
PREVIOUS SHEET NUMBER - 7

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

LEGEND		
No	CODE/DETAIL	FIGURE
1	BE	Beading
2	BE-E	Beaded Edge
3	BE-W	Beveled Edge
4	BE-W	Beveled Edge
5	BE-W	Beveled Edge
6	BE-W	Beveled Edge
7	BE-W	Beveled Edge
8	BE-W	Beveled Edge
9	BE-W	Beveled Edge
10	BE-W	Beveled Edge
11	BE-W	Beveled Edge
12	BE-W	Beveled Edge
13	BE-W	Beveled Edge
14	BE-W	Beveled Edge
15	BE-W	Beveled Edge
16	BE-W	Beveled Edge
17	BE-W	Beveled Edge
18	BE-W	Beveled Edge
19	BE-W	Beveled Edge
20	BE-W	Beveled Edge
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22	BE-W	Beveled Edge
23	BE-W	Beveled Edge
24	BE-W	Beveled Edge
25	BE-W	Beveled Edge
26	BE-W	Beveled Edge
27	BE-W	Beveled Edge
28	BE-W	Beveled Edge
29	BE-W	Beveled Edge
30	BE-W	Beveled Edge
31	BE-W	Beveled Edge
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33	BE-W	Beveled Edge
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36	BE-W	Beveled Edge
37	BE-W	Beveled Edge
38	BE-W	Beveled Edge
39	BE-W	Beveled Edge
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45	BE-W	Beveled Edge
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81	BE-W	Beveled Edge
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83	BE-W	Beveled Edge
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96	BE-W	Beveled Edge
97	BE-W	Beveled Edge
98	BE-W	Beveled Edge
99	BE-W	Beveled Edge
100	BE-W	Beveled Edge

DATE	REVISION DETAILS	DRAWN
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ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
 سروی توپوگرافی مسیر سرک اعتبار از
 ختم شهرک امید سبز اتصال به سرک عرفانی

DRAWING TITLE:

سروی توپوگرافی

SURVEYED BY: ENG.ABDULLAH ENG.AKREMEEDEN	
SURVEYED BY: ENG.HASEEBULLAH ENG.NAMATULLAH	
SURVEYED BY: ENG.MUSTAFA ENG.BASMALLAH	

HEAD OF SURVEY:
ENG. SAYED ATIAH

DATE:	SCALE: 1:1000
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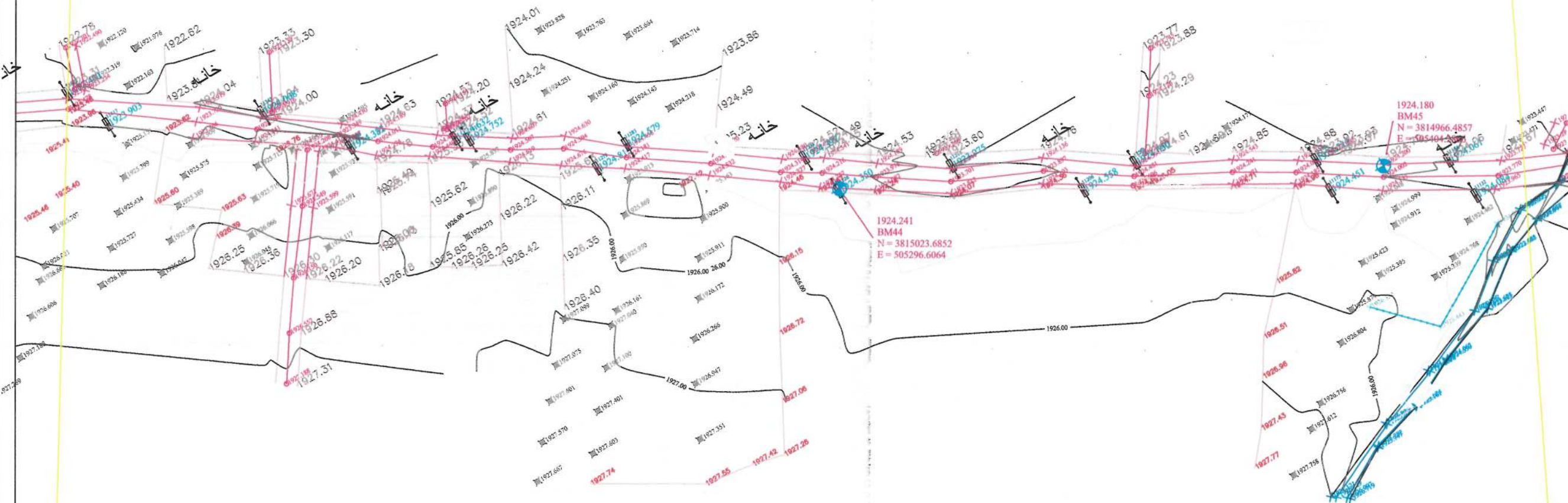
STATUS:

PRODUCT CODE:	
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DRAWING#	REVISION
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8

MATCH LINE - 9
AT STATION - 2+961.0
NEXT SHEET NUMBER:



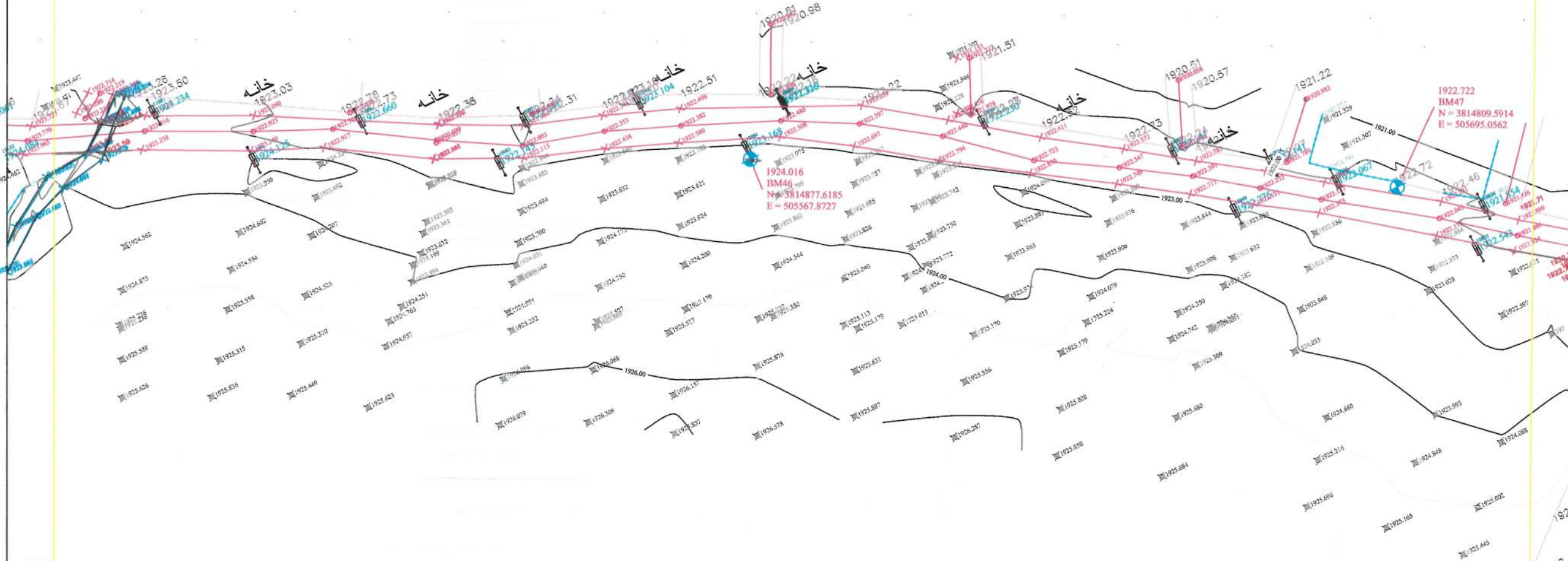
NOTE: 1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

NO	CODE	DETAIL	FIGURE
1	BL	Boundary	
2	RE	Road Edge	
3	BLW	Boundary Wall	
4	MSQ	Manhole	
5	TD	Trip Damper	
6	SD	Storm Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CU	Culvert	
11	TCN	Top Line	
12	BCN	Bottom Line	
13	MT	Manhole	
14	PTA	Pole	
15	ELINE	Electricity Line	
16	W	Water	
17	W	Water	
18	W	Water	
19	W	Water	
20	W	Water	
21	W	Water	
22	W	Water	
23	W	Water	
24	W	Water	
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57	W	Water	
58	W	Water	
59	W	Water	
60	W	Water	
61	W	Water	
62	W	Water	

DATE	REVISION	DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN			
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM			
PROJECT NAME: سروی توپوگرافی مسیر سڑک اعتبار از ختم شهرک امید مسیر اتصال به سڑک حرقانی			
DRAWING TITLE: سروی توپوگرافی			
SURVEYED BY: ENG. ABDULLAH ENG. AKREMEEDEN		[Signature]	
SURVEYED BY: ENG. HASEEBULLAH ENG. NAMATULLAH		[Signature]	
SURVEYED BY: ENG. MUSTAFA ENG. BASMALLAH		[Signature]	
HEAD OF SURVEY: ENG. SAYED ATIQ		[Signature]	
DATE:	SCALE: 1:1000		
STATUS: TOPOGRAPHIC SURVEY			
PROJECT CODE:			
DRAWING NO: 1422			

AT STATION - 2+632.00
PREVIOUS SHEET NUMBER - 8

AT STATION - 2+961.00
PREVIOUS SHEET NUMBER - 9



MATCH LINE - 10
AT STATION - 3+290.00

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

NO.	CODE/DETAIL	FIGURE
1	BL	Building
2	RE	Road Edge
3	BW	Boundary Wall
4	ES	Electricity
5	ED	Electricity
6	ED	Electricity
7	CL	Center Line
8	CL	Center Line
9	P	Pole
10	CU	Culvert
11	ECN	Top Line
12	ECN	Top Line
13	MD	Manhole
14	MD	Manhole
15	MD	Manhole
16	MD	Manhole
17	MD	Manhole
18	MD	Manhole
19	MD	Manhole
20	MD	Manhole
21	MD	Manhole
22	MD	Manhole
23	MD	Manhole
24	MD	Manhole
25	MD	Manhole
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55	MD	Manhole
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57	MD	Manhole
58	MD	Manhole
59	MD	Manhole
60	MD	Manhole
61	MD	Manhole
62	MD	Manhole

DATE	REVISION DETAILS	DRAWN
1925.74		
1925.74		
1925.74		

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر مرگ اعتبار از ختم شهرک امید مسیر اتصال به مرکز عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG. ABDULLAH ENG. AKREMEEDEN

SURVEYED BY: ENG. HASEEBULLAH ENG. NAMATULLAH

SURVEYED BY: ENG. MUSTAFA ENG. BASMALLAH

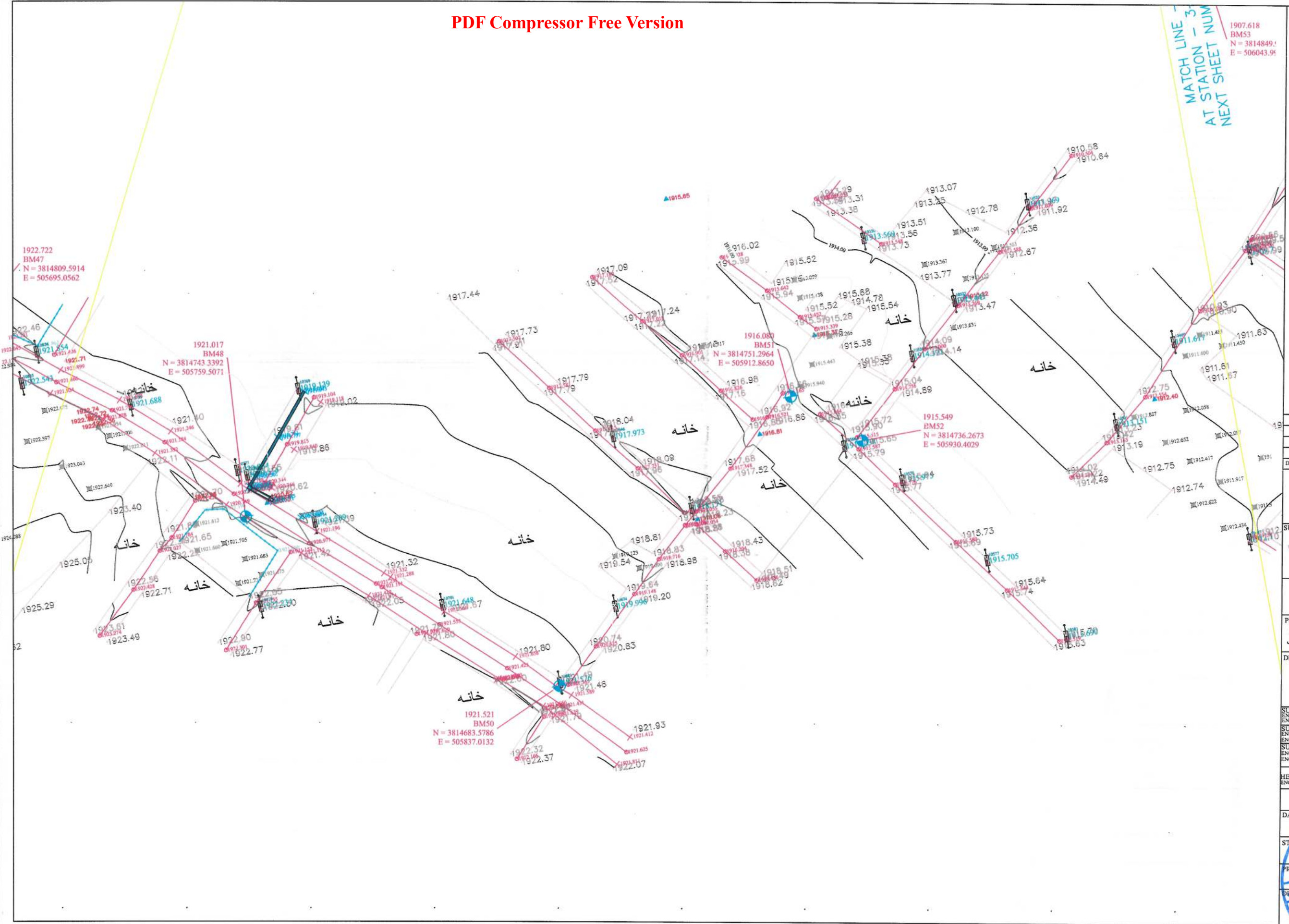
HEAD OF SURVEY: ENG. SAYED ATIQ

DATE: 1925.74

STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE: 10

DRAWING NO: 10



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

NO	CODE	DETAIL	FIGURE
1	BL	Building	
2	RE	Road Edge	
3	BM	Boundary Wall	
4	PO	Post	
5	FD	Top Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CU	Culvert	
11	TE	Top Case	
12	TE	Bottom Case	
13	MT	Manhole	
14	STA	Station	
15	SL	Section Line	
16	VS	Vertical	
17	CS	Conduit	
18	BP	Base Pin	
19	MD	Median	
20	BLK	Block	
21	ST	Stop	
22	ST	Stop	
23	ST	Stop	
24	ST	Stop	
25	ST	Stop	
26	ST	Stop	
27	ST	Stop	
28	ST	Stop	
29	ST	Stop	
30	ST	Stop	
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55	ST	Stop	
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60	ST	Stop	
61	ST	Stop	
62	ST	Stop	

DATE	REVISION	DETAILS	DRAWN

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
سروی توپوگرافی مسیر سرک اعتبار از
ختم شهرک امید مسیر اتصال به سرک عرفانی

DRAWING TITLE:
سروی توپوگرافی

SURVEYED BY:
ENG. ABDULLAH
ENG. AKREMEEDEN

SURVEYED BY:
ENG. HASEEBULLAH
ENG. NAMATULLAH

SURVEYED BY:
ENG. MUSTAFA
ENG. BASHALLAH

HEAD OF SURVEY:
ENG. SAYED ATIQ

DATE:
SCALE: 1:1000
STATUS: TOPOGRAPHIC SURVEY
PROJECT CODE:
DRAWING: 11

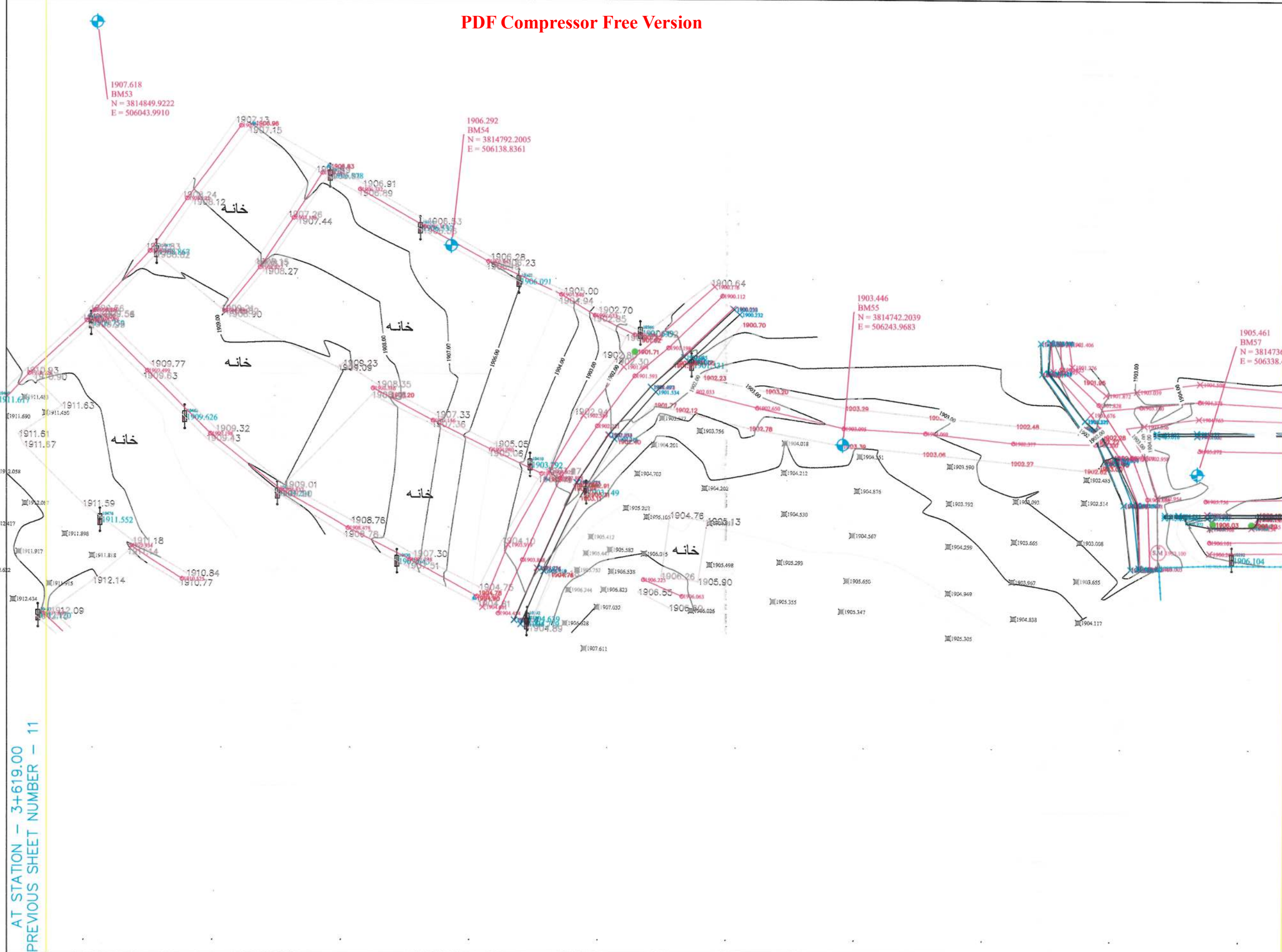
MATCH LINE - 12
AT STATION - 3+948.00

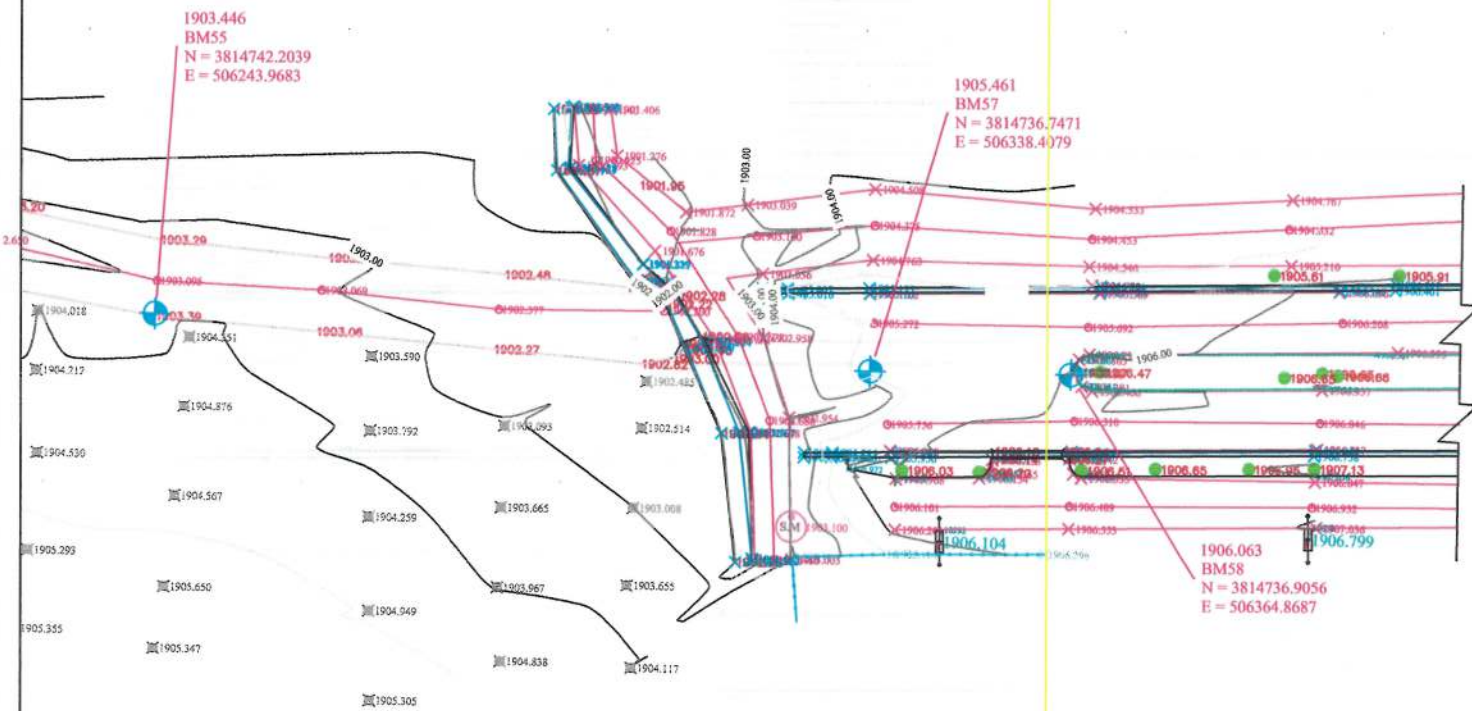
NOTE: 1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

No.	CODE	DETAIL	FIGURE
1	BL	Building	
2	RE	Road Edge	
3	SW	Surveying Wall	
4	MSQ	Manhole	
5	TD	Top Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	F	Fence	
10	CV	Control	
11	TCN	Top Curve	
12	BCN	Bottom Curve	
13	MCN	Main Curve	
14	STA	Station	
15	PLN	Plan Line	
16	WV	Water Pipe	
17	CV	Center Line	
18	WV	Water Pipe	
19	WV	Water Pipe	
20	WV	Water Pipe	
21	WV	Water Pipe	
22	WV	Water Pipe	
23	WV	Water Pipe	
24	WV	Water Pipe	
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59	WV	Water Pipe	
60	WV	Water Pipe	
61	WV	Water Pipe	
62	WV	Water Pipe	

DATE	REVISION	DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN			
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM			
PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفانی			
DRAWING TITLE: سروی توپوگرافی			
SURVEYED BY: ENG. ABDULLAH ENG. AKREMEEDEN		[Signature]	
SURVEYED BY: ENG. HASEEBULLAH ENG. NAMATULLAH		[Signature]	
SURVEYED BY: ENG. MUSTAFA ENG. BASMALLAH		[Signature]	
HEAD OF SURVEY: ENG. SAYED ATIQ			
DATE: 1400			
STATUS: TOPOGRAFIC SURVEY			
PROJECT CODE: 1400			
DRAWING: 12			

AT STATION - 3+619.00
PREVIOUS SHEET NUMBER - 11





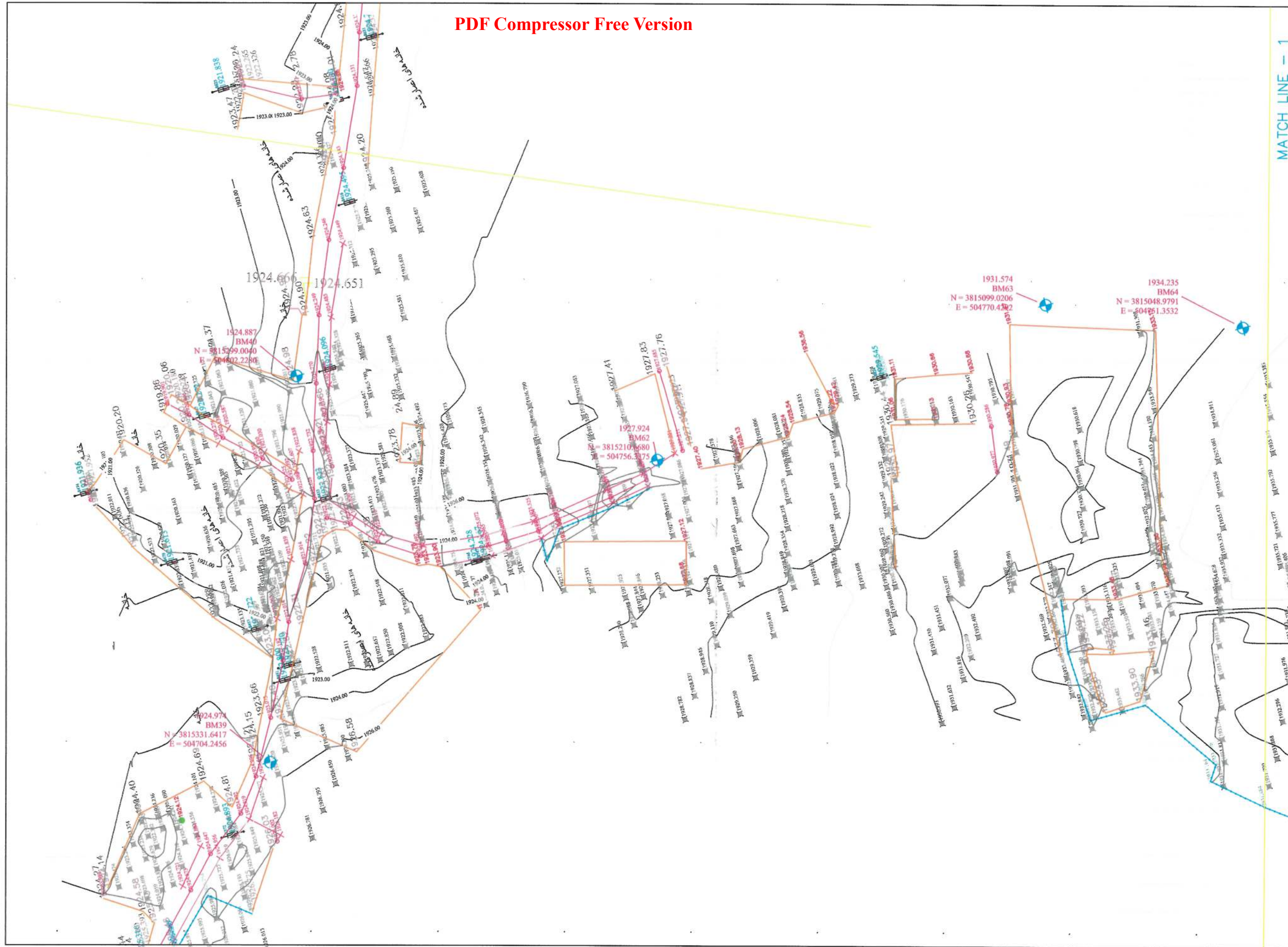
MATCH LINE - 12
AT STATION - 3+948.00
PREVIOUS SHEET NUMBER - 12

جانب قصر دارالامان

NOTE: ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

NO	CODE	DETAIL	FIGURE
1	BL	Building	
2	RE	Road Edge	
3	EW	Boundary Wall	
4	MSO	Manhole	
5	FD	Flow Drainage	
6	BD	Storm Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CV	Curvature	
11	TCN	Top Curve	
12	BCN	Bottom Curve	
13	MS	Manhole	
14	STA	Star	
15	ELINE	Center Line	
16	NP	North Pole	
17	EN	End	
18	RP	Road Pole	
19	MD	Manhole	
20	BAR	Bar	
21	ST	Stamp	
22	CH	Channel	
23	FW	Flow Wall	
24	TP	Topographic Point	
25	HP	Hand Pole	
26	LP	Light Pole	
27	SM	Street Mark	
28	TM	Topographic Mark	
29	EB	Electric Box	
30	DOOR	Door	
31	STP	Street Pole	
32	CEP	Center Line Pole	
33	MSM	Manhole Mark	
34	STW	Street Wall	
35	EM	End Mark	
36	TE	Tree	
37	BRV	Box of Road	
38	AB	Access Point	
39	SC	Street Curve	
40	AP	Access Point	
41	ATM	ATM	
42	TPP	Topographic Pole	
43	MS	Manhole Station	
44	PCD	Public Car Pole	
45	BOO	Box	
46	SW	Street Wall	
47	TPP	Topographic Pole	
48	ENOP	End of Pole	
49	WALL	Wall	
50	SWW	Street Wall	
51	MS	Manhole	
52	CV	Curvature	
53	ROCK	Rock Area	
54	SLUPA	Suburban Pole	
55	AB	Access Point	
56	TRM	Topographic Mark	
57	OLS	Old Station	
58	CONTOUR	Contour	
59	ENL	End Line	
60	BLPIL	Building Pole	
61	P.L.	High Voltage Pole	
62	Asphalt Road		

DATE	REVISION	DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN			
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM			
PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از قدم شهرک امید مسیر اتصال به سرک عرفانی			
DRAWING TITLE: سروی توپوگرافی			
SURVEYED BY: ENG.ABDULLAH ENG.AKREMEEDEN			
SURVEYED BY: ENG.HASEEBULLAH ENG.NAMATULLAH			
SURVEYED BY: ENG.MUSTAFA ENG.BASMALLAH			
HEAD OF SURVEY: ENG. SAYED ATIQ			
DATE:			
STATUS: TOPOGRAPHIC SURVEY			
PROJECT CODE:			
DRAWING #:			

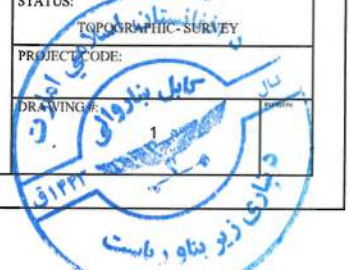


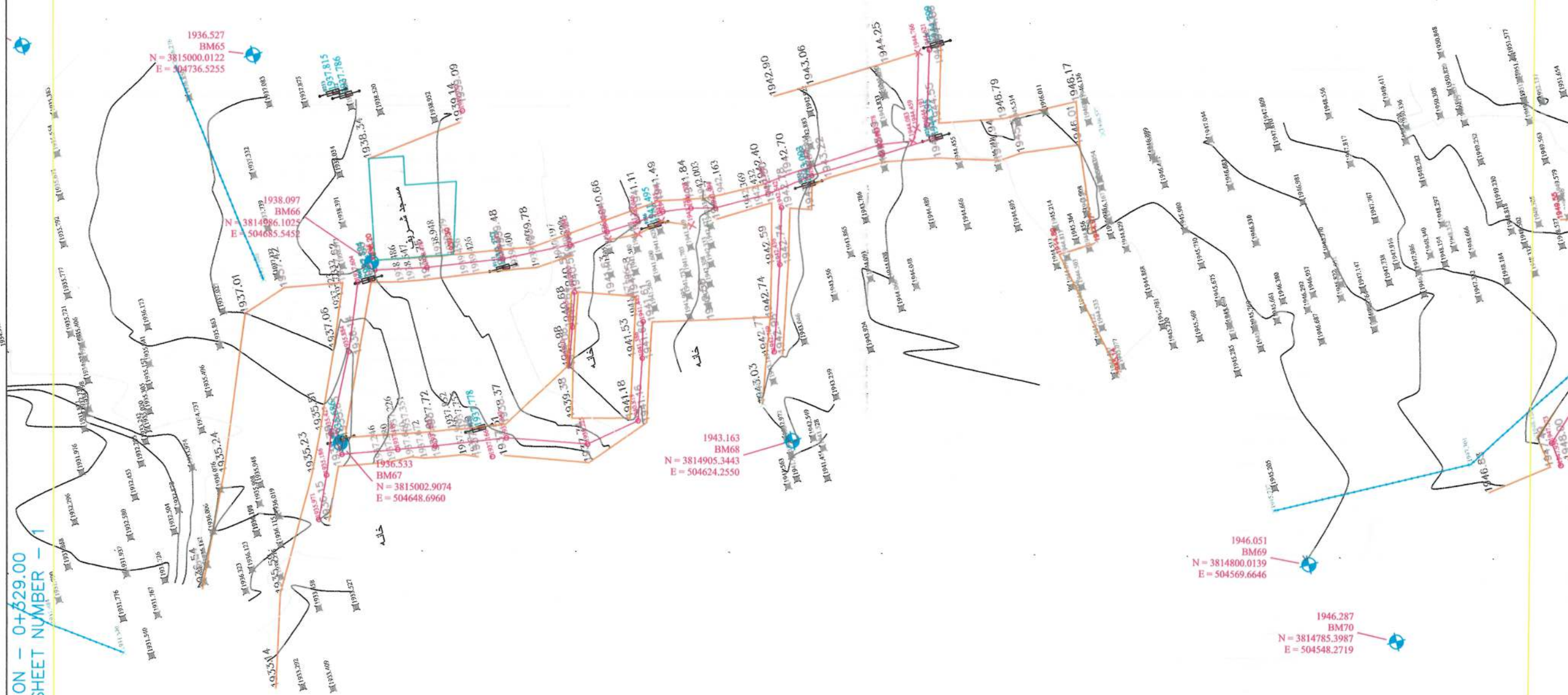
MATCH LINE - 1
AT STATION - 0+329.00

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

NO.	CODE	DETAIL	FIGURE
1	BL	Building	
2	RL	Road Edge	
3	BM	Benchmark	
4	PS	Power Station	
5	TD	Town Drainage	
6	BD	Burial Ground	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CU	Culvert	
11	TCN	Top Curve	
12	BCN	Bottom Curve	
13	MS	Main Street	
14	STA	Station	
15	LINE	Center Line	
16	W	Water	
17	W	Water	
18	W	Water	
19	W	Water	
20	W	Water	
21	W	Water	
22	W	Water	
23	W	Water	
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57	W	Water	
58	W	Water	
59	W	Water	
60	W	Water	
61	W	Water	
62	W	Water	

DATE	REVISION DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN		
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM		
PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز الهمال به سرک خروانی		
DRAWING TITLE: سروی توپوگرافی		
SURVEYED BY: ENG. ABDULLAH ENG. AKREMEEDEN		
SURVEYED BY: ENG. HASEBULLAH ENG. NAMATULLAH		
SURVEYED BY: ENG. MUSTAFA ENG. BASMALLAH		
HEAD OF SURVEY: ENG. SAYED ATIQ		
DATE:	SCALE: 1:1000	
STATUS: TOPOGRAPHIC SURVEY		
PROJECT CODE:		
DRAWING: 1		





MATCH LINE - 2
AT STATION - 0+658.00

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

NO.	CODE	DETAIL	FIGURE
1	BL	Building	
2	BE	Roof Edge	
3	BW	Boundary Wall	
4	MS	Manhole	
5	FD	Foot Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CC	Center Line	
9	F	Fence	
10	CU	Culvert	
11	TCN	Top Coat	
12	BCN	Bottom Coat	
13	BN	Bottom	
14	BT	Base	
15	LINE	Center Line	
16	BP	Bottom Pipe	
17	BN	Bottom	
18	BP	Bottom Pipe	
19	MD	Median	
20	DC	Drainage	
21	BL	Building	
22	BL	Building	
23	BL	Building	
24	BL	Building	
25	BL	Building	
26	BL	Building	
27	BL	Building	
28	BL	Building	
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56	BL	Building	
57	BL	Building	
58	BL	Building	
59	BL	Building	
60	BL	Building	
61	BL	Building	
62	BL	Building	

DATE	REVISION	DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سیز اتصال به سرک عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG. ABDULLAH, ENG. AKREMEEDIN, ENG. HASEBULLAH, ENG. NAMATULLAH, ENG. MUSTAFA, ENG. BASMALLAH

HEAD OF SURVEY: ENG. SAYED ATIQ

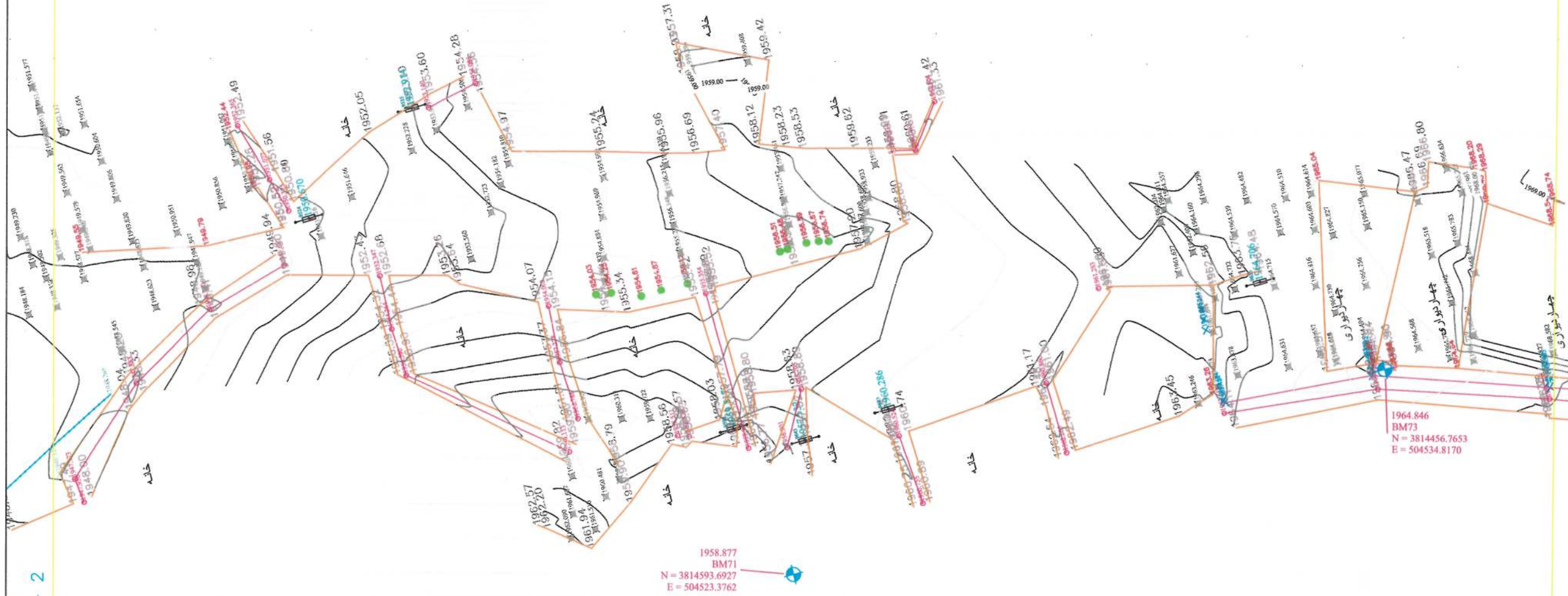
DATE: SCALE: 1:1000

STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE: 3814800.0139

DRAWING #

AT STATION - 0+658.00
PREVIOUS SHEET NUMBER - 2



MATCH LINE - 3
AT STATION - 0+987.00

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

NO.	CODE	DETAIL	FIGURE
1	RE	Right Edge	
2	LE	Left Edge	
3	BE	Boundary Edge	
4	CE	Center Edge	
5	FD	Flow Drainage	
6	BD	Bottom Drainage	
7	CL	Center Line	
8	CLC	Center Line Curve	
9	P	Pole	
10	CU	Culvert	
11	ECN	Top Curve	
12	ECN	Bottom Curve	
13	MPN	Major Road	
14	STA	Station	
15	LINE	General Line	
16	LINE	General Line	
17	LINE	General Line	
18	LINE	General Line	
19	LINE	General Line	
20	LINE	General Line	
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58	LINE	General Line	
59	LINE	General Line	
60	LINE	General Line	
61	LINE	General Line	
62	LINE	General Line	

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید سبز اتصال به سرک عرفانی

DRAWING TITLE: سروی توپوگرافی

SURVEYED BY: ENG. ABDULLAH, ENG. AKREMEEDEN, ENG. HASEEBULLAH, ENG. NAMATULLAH, ENG. MUSTAFA, ENG. BASMALLAH

HEAD OF SURVEY: ENG. SAYED ATIQ

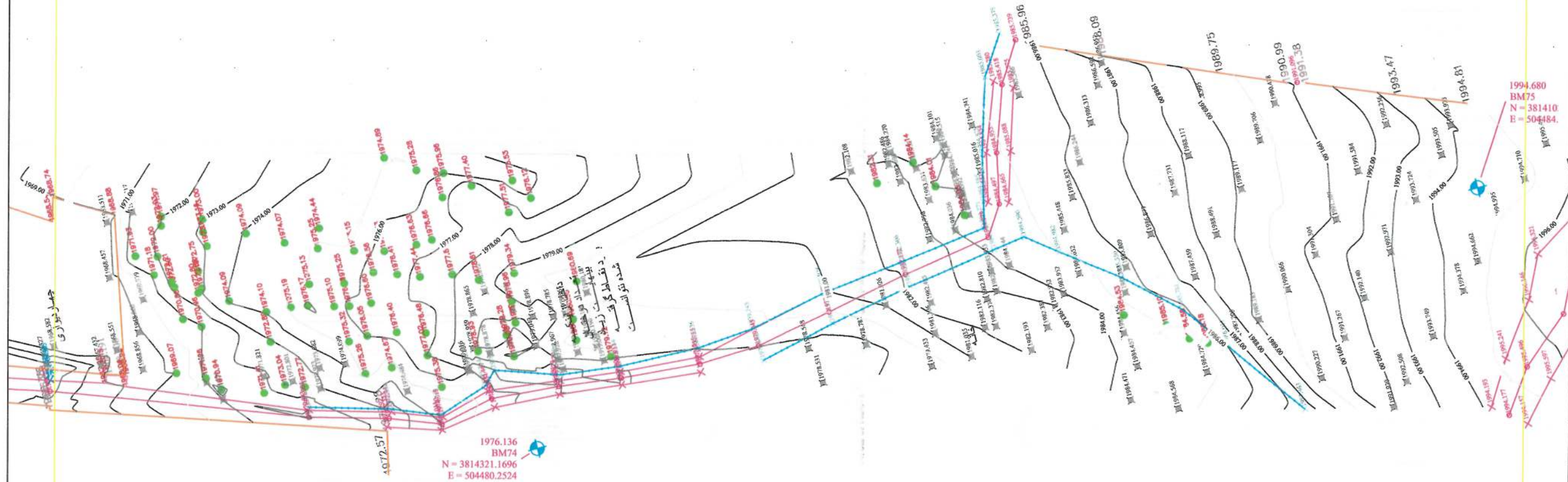
DATE: SCALE: 1:1000

STATUS: TOPOGRAPHIC SURVEY

PROJECT CODE: 3

DRAWING #: 3

AT STATION - 0+987.00
PREVIOUS SHEET NUMBER - 3

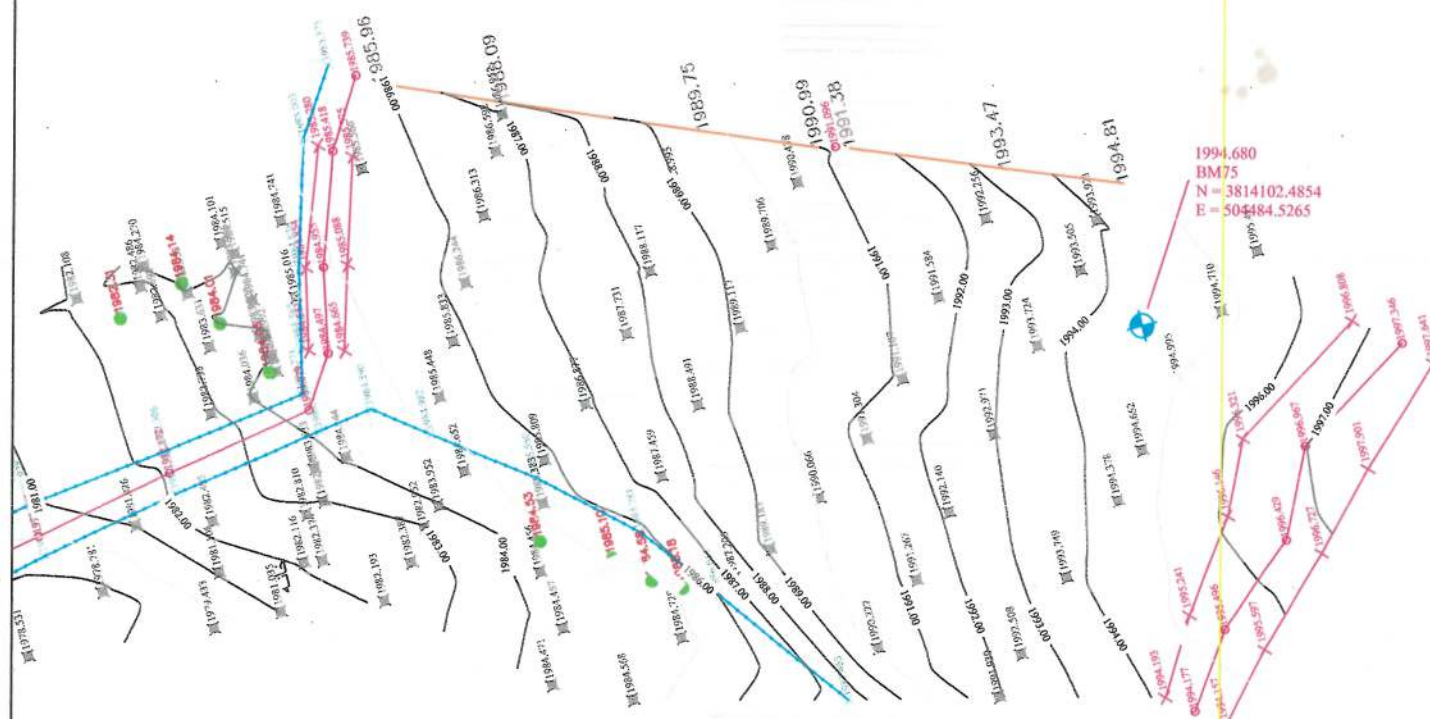


MATCH LINE - 4
AT STATION - 1+316.00

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

NO.	CODE/DETAIL	FIGURE
1	BL Building	
2	RE Road Edge	
3	EW Elevation Wall	
4	MSO Manhole	
5	TD Top Drainage	
6	BD Bottom Drainage	
7	CL Center Line	
8	CLC Concrete Side Channel	
9	P Pole	
10	CU Culvert	
11	CC New Canal	
12	CCN Canal	
13	MN Main Road	
14	STA Street	
15	ALN Alignment	
16	WP Water Pipe	
17	EN Elevation	
18	RP Road	
19	MS Manhole	
20	BAC Bridge	
21	SE Sewer	
22	BCH Bridge	
23	TS T-Box	
24	TP Trench	
25	RP Road	
26	LP Light Pole	
27	MS Manhole	
28	EM Elevation	
29	EB Elevation	
30	SCS Sewer	
31	SEP Sewer	
32	CLC Concrete	
33	NM New Manhole	
34	TP Trench	
35	BM Benchmark	
36	TR Trench	
37	REV Revision	
38	AB Alignment	
39	SCS Sewer	
40	CAP Camera Pole	
41	ATM ATM	
42	TP Trench	
43	BS BUS STATION	
44	PCD Public Call Phone	
45	BOO Book	
46	CW Car Wash	
47	TP Traffic Signal Pole	
48	CNDP Concrete	
49	WALL Wall	
50	WALL Wall	
51	MS Manhole	
52	CW Car Wash	
53	ROCK Rock Area	
54	BLPBL Building	
55	AB Alignment	
56	RLP Road	
57	OLIS Old Station	
58	CONTROL	
59	PLP Pole	
60	BLPBL Building	
61	P.L. Post Voltage Pole	
62	Asphalt Road	

DATE	REVISION	DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN			
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM			
PROJECT NAME: سرروی توپوگرافی مسیر مرکز اعتبار از ختم شهرک امید سبز اتصال به مرکز عرفانی			
DRAWING TITLE: سرروی توپوگرافی			
SURVEYED BY: ENG.ABDULLAH ENG.AKREMEEDEN		SURVEYED BY: ENG.HASEEBULLAH ENG.NAMATULLAH	
SURVEYED BY: ENG.MUSTAFA ENG.BASMALLAH		HEAD OF SURVEY: ENG.SAYED ATIQ	
DATE:		SCALE: 1:1000	
STATUS: TOPOGRAPHIC SURVEY			
PROJECT CODE: 001			
DRAWING: 001			

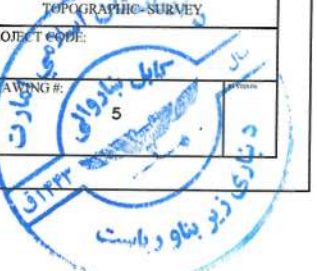


MATCH LINE - 4
AT STATION - 1+316.00
PREVIOUS SHEET NUMBER - 4

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

LEGEND	
NO.	FIGURE
1	1.11
2	2.11
3	3.11
4	4.11
5	5.11
6	6.11
7	7.11
8	8.11
9	9.11
10	10.11
11	11.11
12	12.11
13	13.11
14	14.11
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54	54.11
55	55.11
56	56.11
57	57.11
58	58.11
59	59.11
60	60.11
61	61.11
62	62.11

DATE:	REVISION DETAILS:	DRAWN:
ISLAMIC EMIRATE OF AFGHANISTAN		
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM		
PROJECT NAME: سروی توپوگرافی مسیر سرک اعتبار از ختم شهرک امید مسیر اتصال به سرک عرفانی		
DRAWING TITLE: سروی توپوگرافی		
SURVEYED BY: ENG. ABDULLAH	ENG. AKREMERDEN	ENG. HASEBULLAH
SURVEYED BY: ENG. HASEBULLAH	ENG. NAMATULLAH	ENG. MUSTAFA
SURVEYED BY: ENG. MUSTAFA	ENG. BASMALLAH	
HEAD OF SURVEY: ENG. SAYED ATIQ		
DATE:	SCALE: 1:1000	
STATUS: TOPOGRAPHIC SURVEY		
PROJECT CODE:		
DRAWING #: 5		



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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

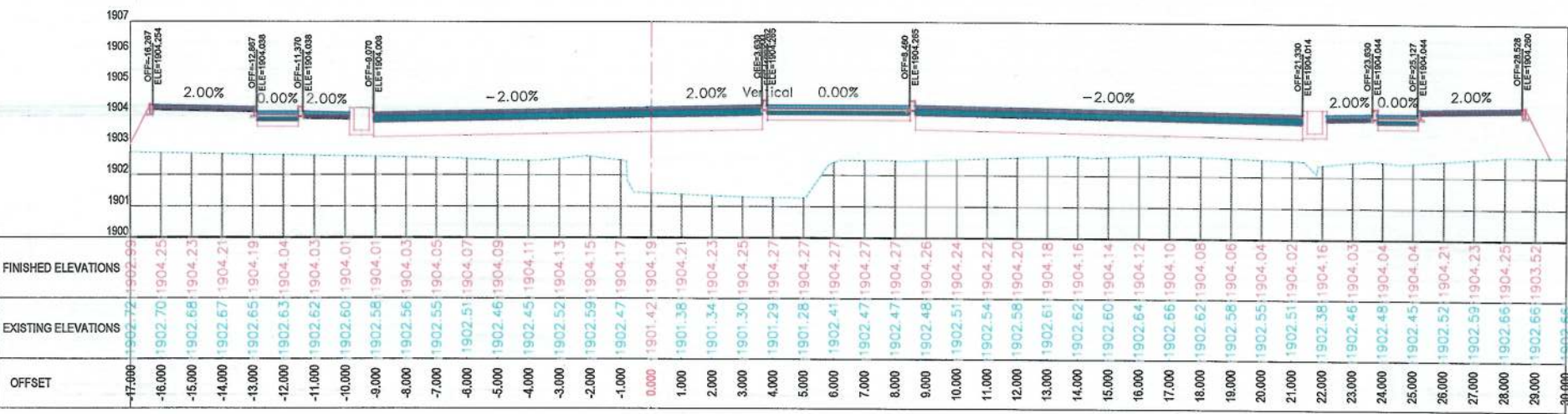
Date:
9/17/2023

Scale:
1:200

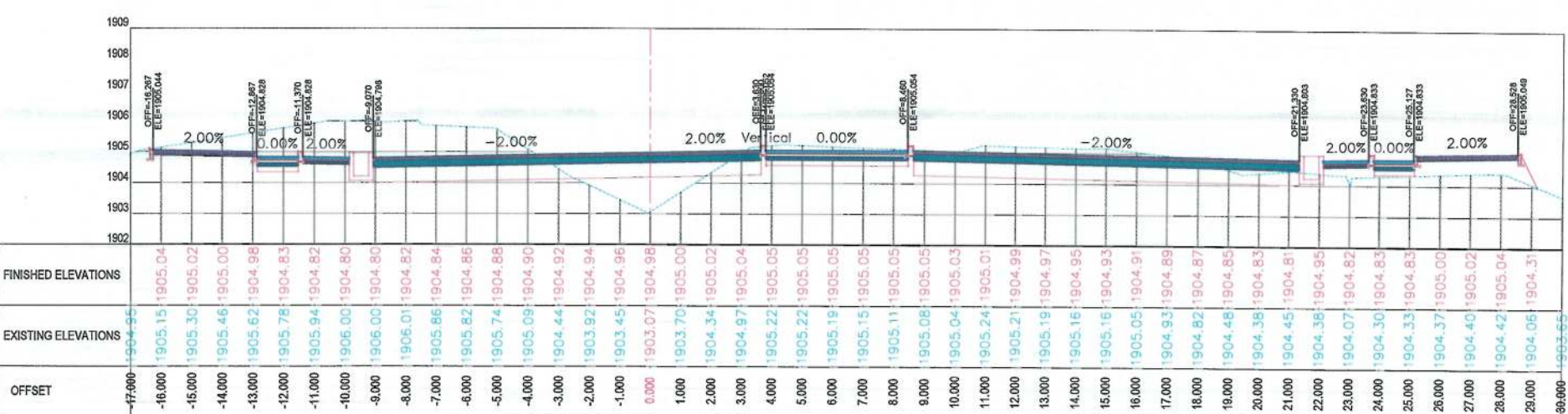
Status:
FINAL DESIGN

Project Code

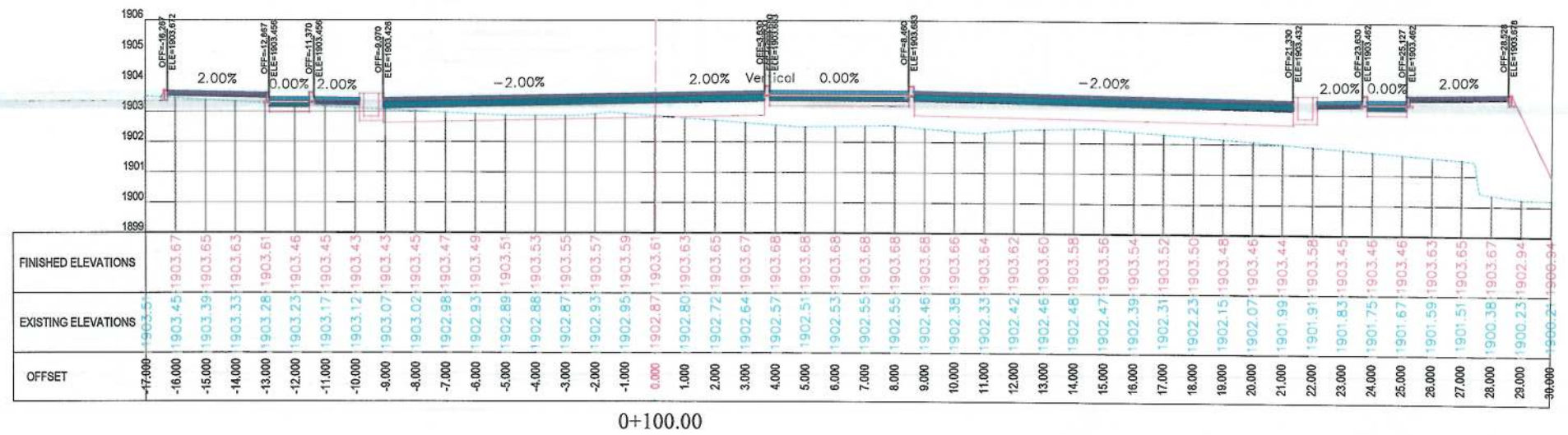
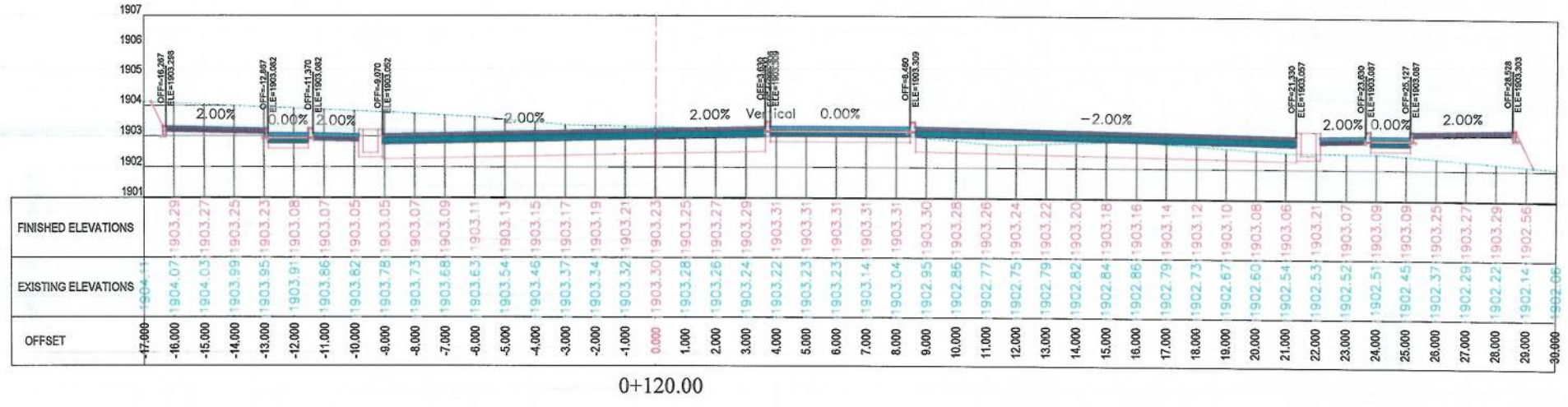
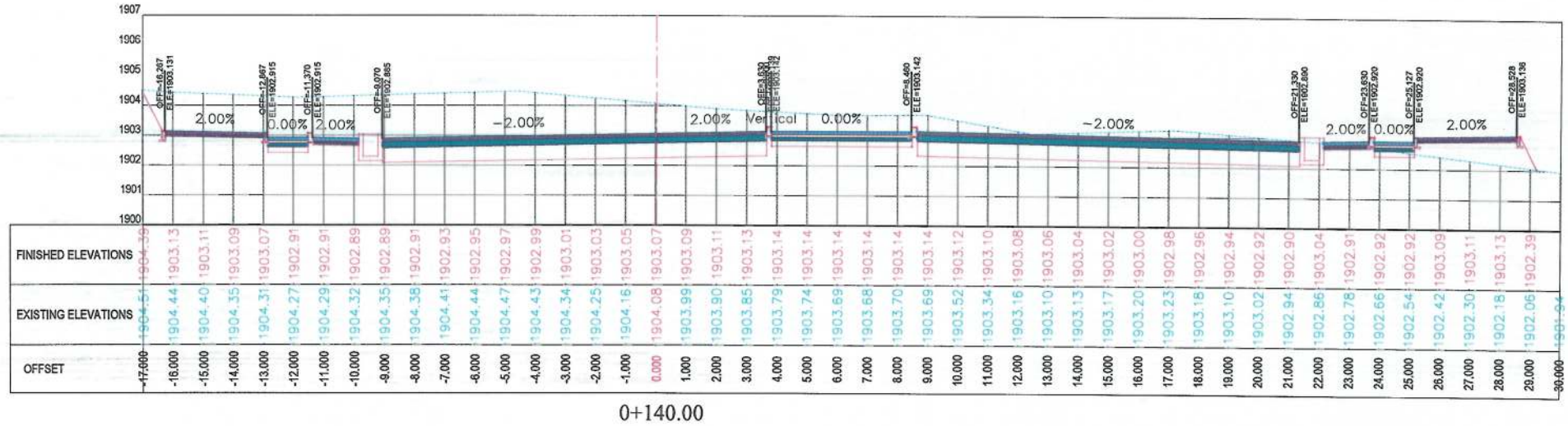
Drawing Number CS-2	Revision 00
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0+080.00



0+060.00



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

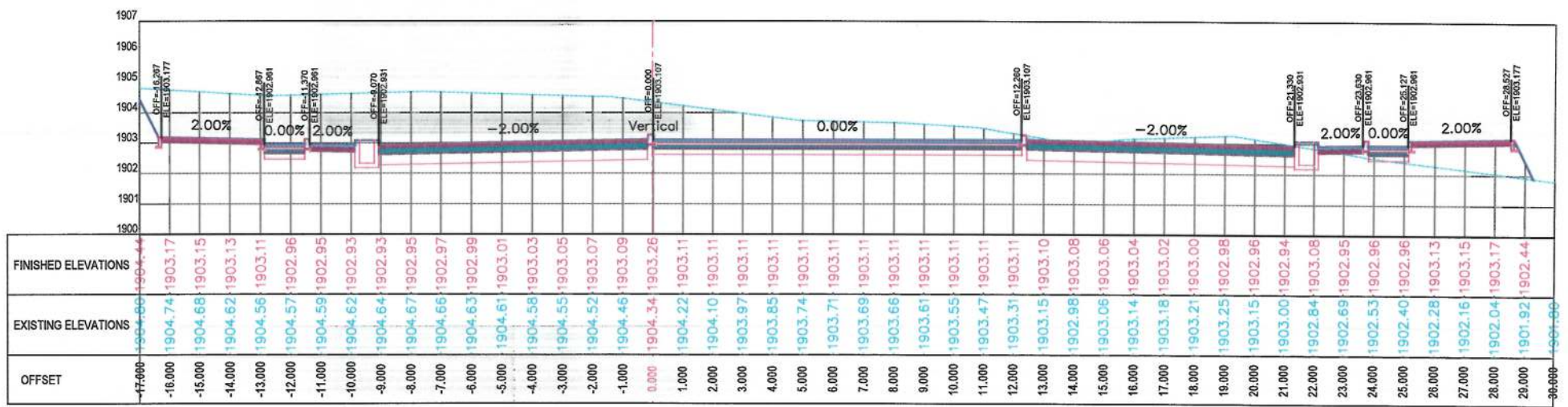
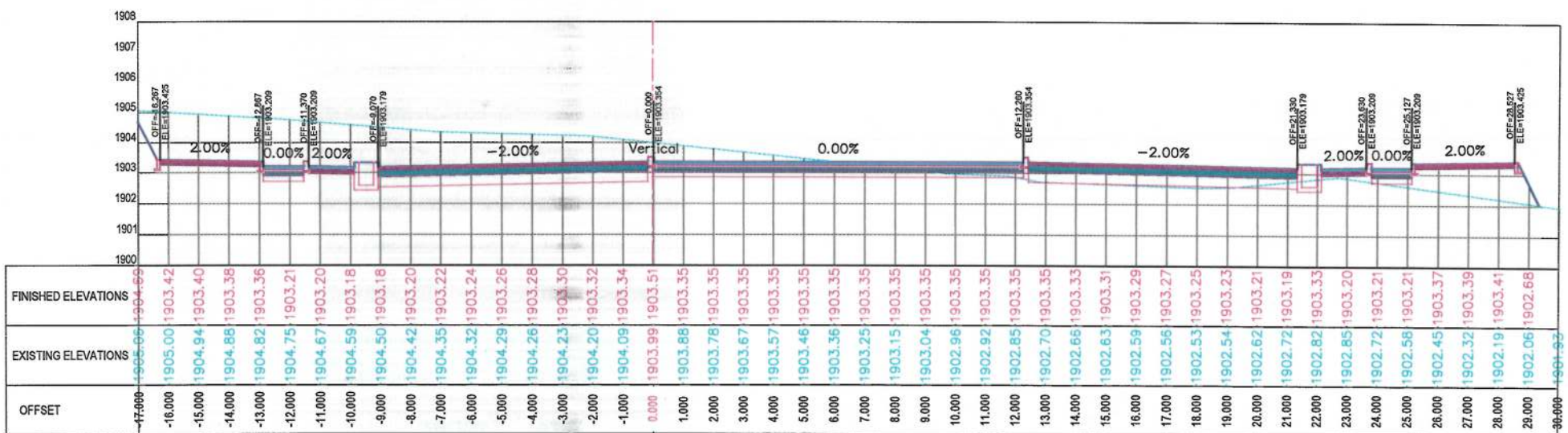
LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE
--- EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
KABUL MUNICIPALITY DESIGN TEAM
Orfani to Omid-o-Sabz Town Connecting Road project
CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi
Date: 9/17/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
Drawing Number: CS-3
Revision: 00

Note:
Center line labels defer from profile label because, profile labels are from edge of median but cross section labels are from top of curb stone in left side of median, and it is the same for all cross sections from station 0+150 to end of main alignment.

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/28/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code
Drawing Number: CS-4
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

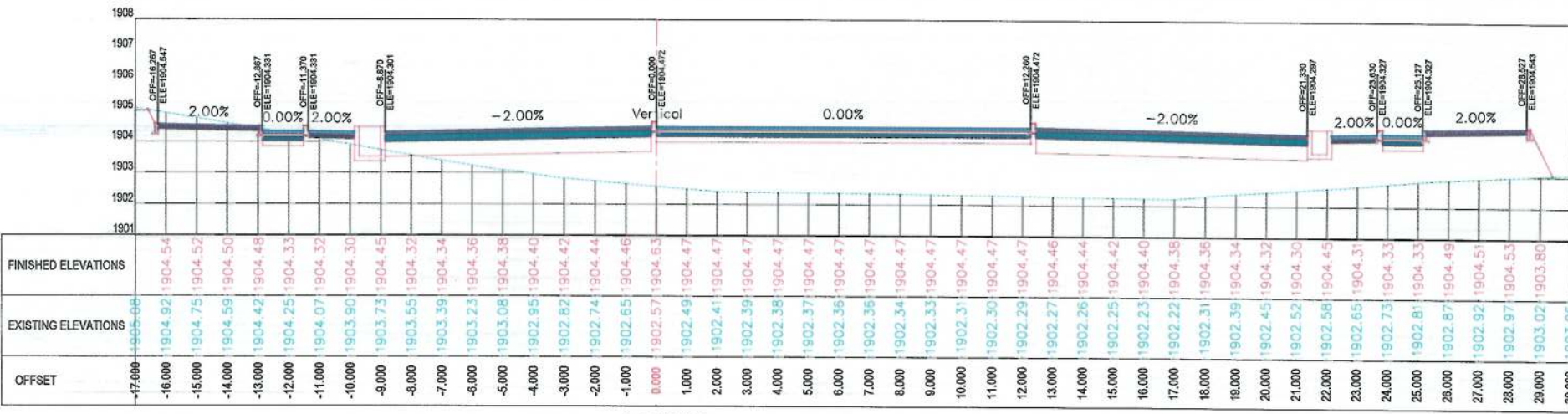
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/17/2023
Scale: 1:200

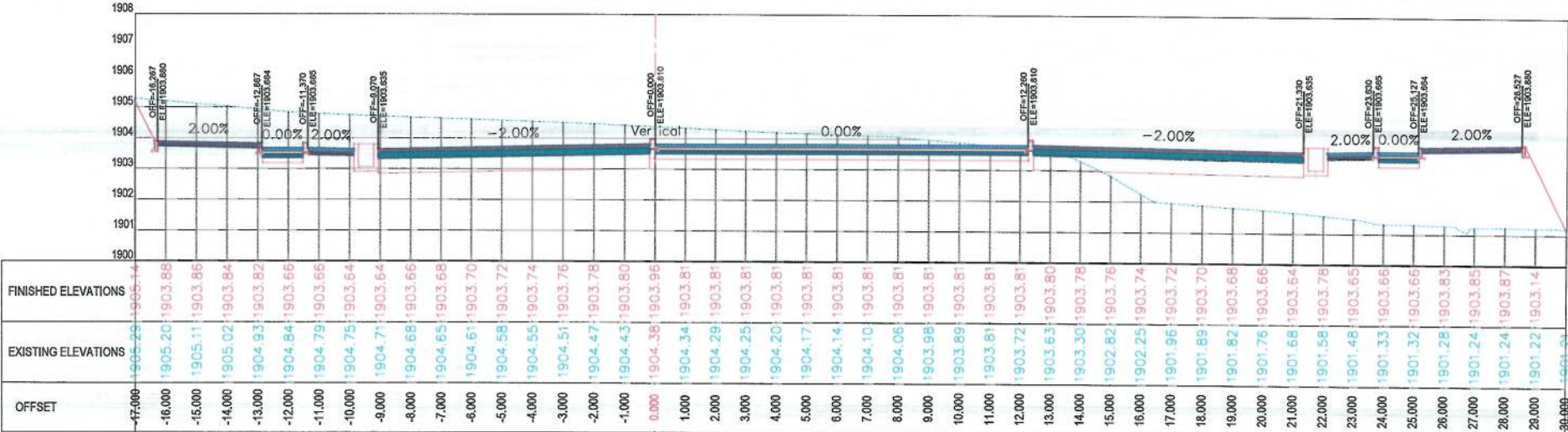
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Project Code

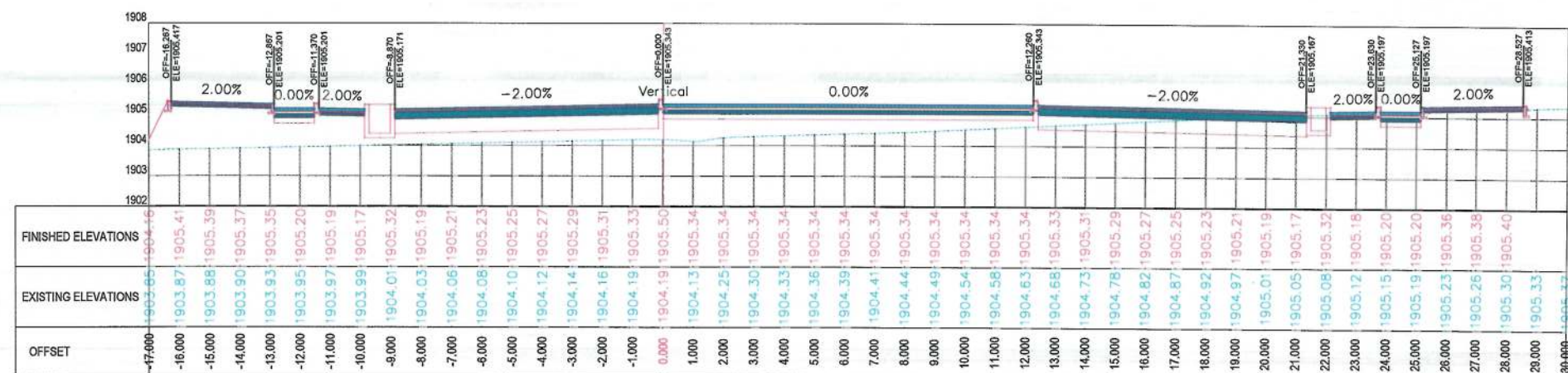
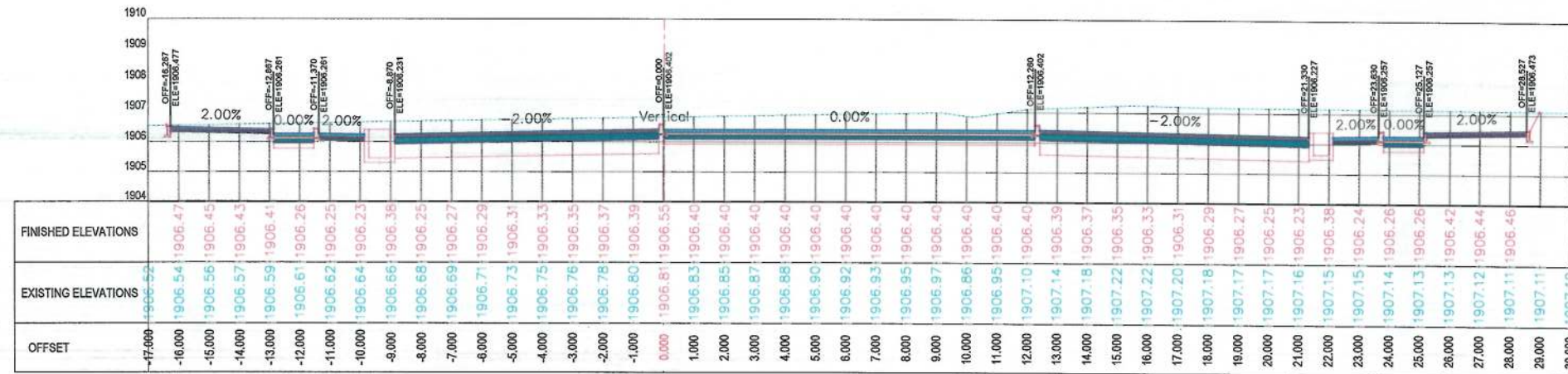
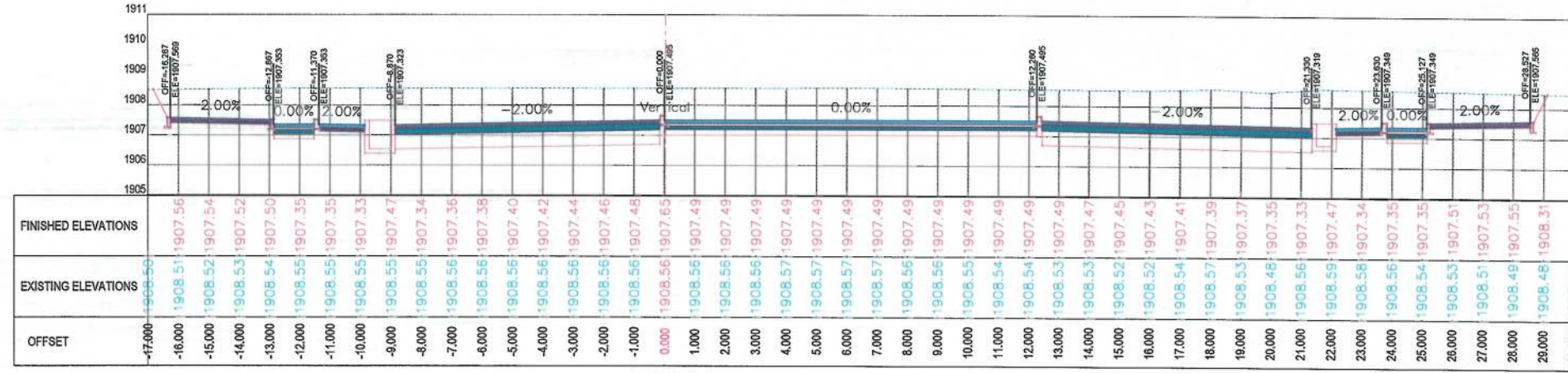
Drawing Number: CS-5
Revision: 00



0+220.00



0+200.00



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:
 Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
 CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirt
 Drawn by: Mohammad Essa Sirt
 Checked by: Hanibullah Shalizi

Date: 9/17/2023
 Scale: 1:200

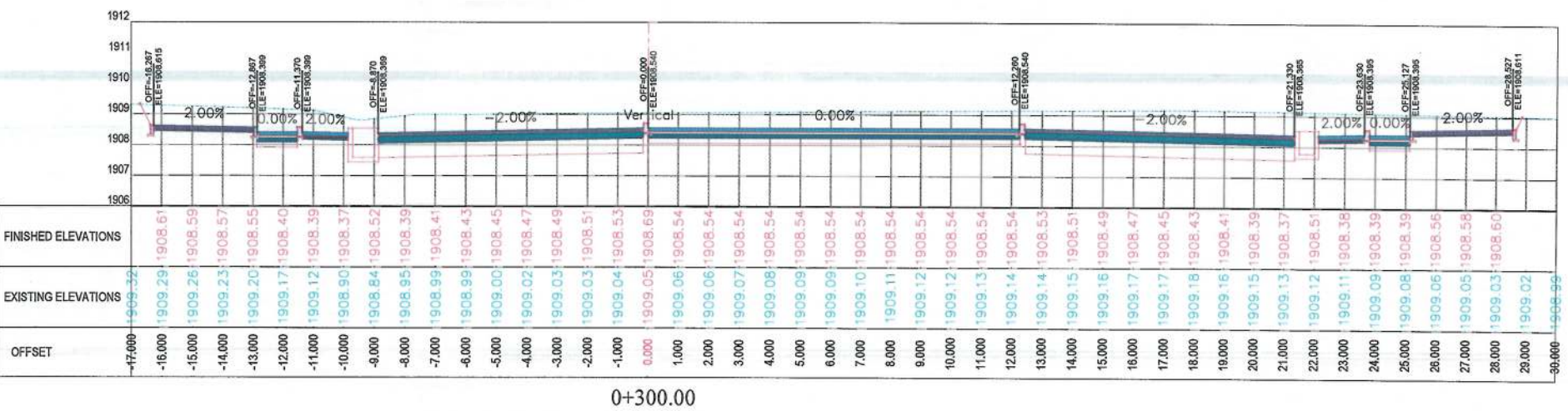
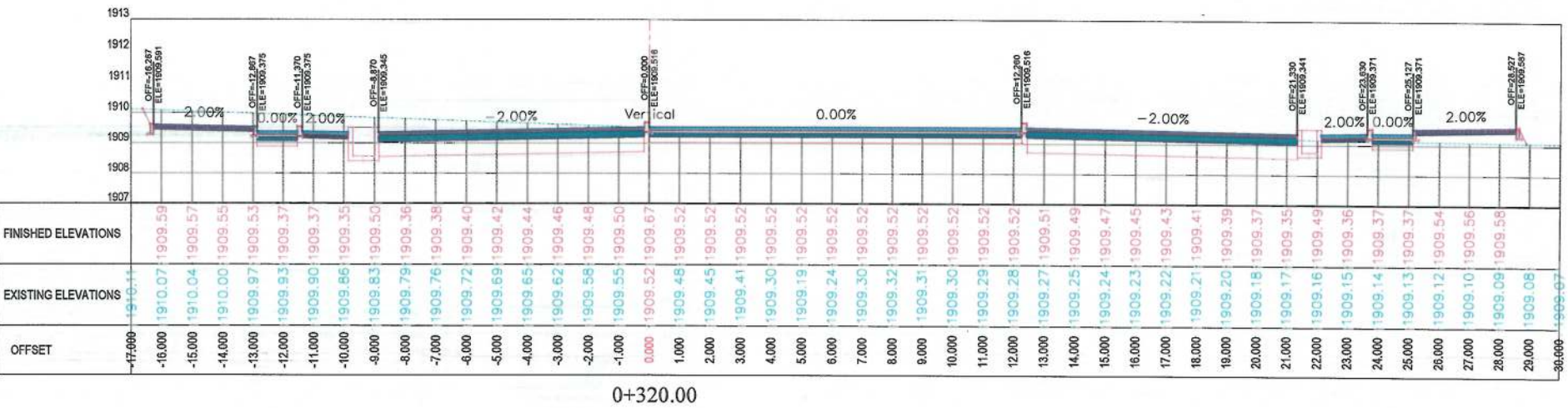
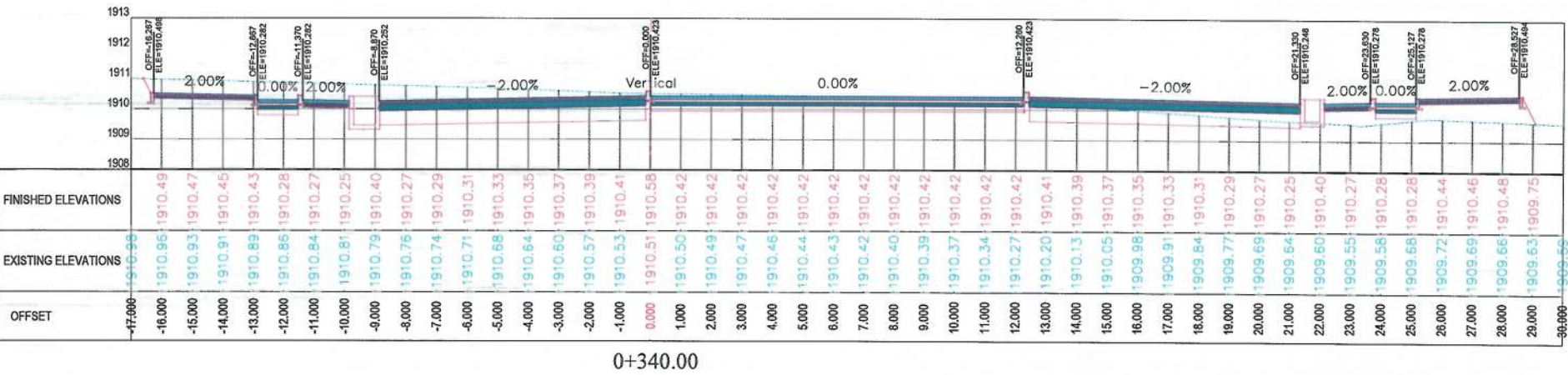
Status: FINAL DESIGN

Project Code

Drawing Number: CS-6
 Revision: 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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
CROSS SECTIONS
(Main Alignment)

Designed by:
Mohammad Essa Sifat
Signature:
Drawn by:
Mohammad Essa Sifat
Signature:
Checked by:
Habibullah Shalizi
Signature:

Date:
9/17/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code

Drawing Number
CS-7
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

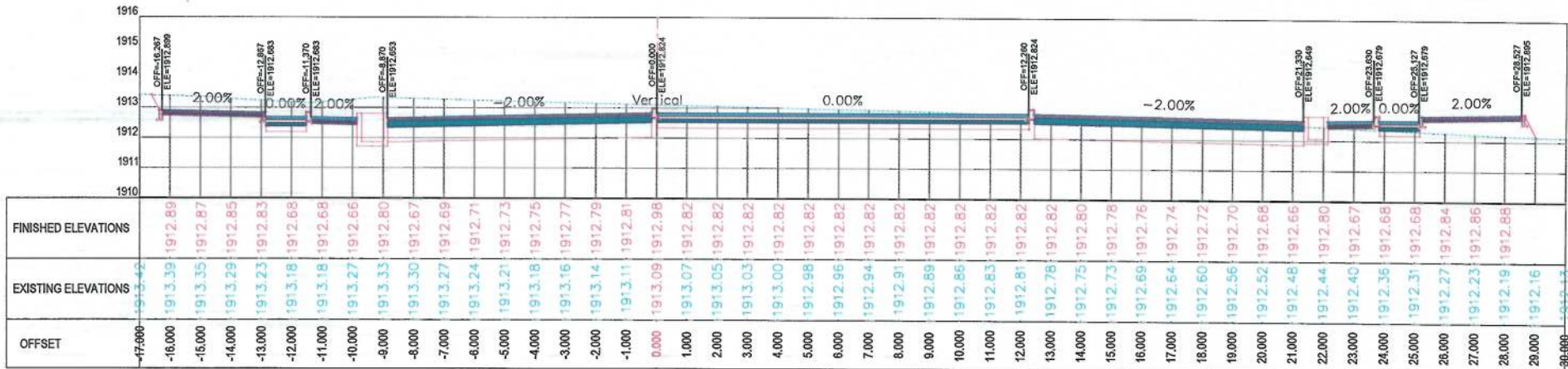
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/17/2023 Scale: 1:200

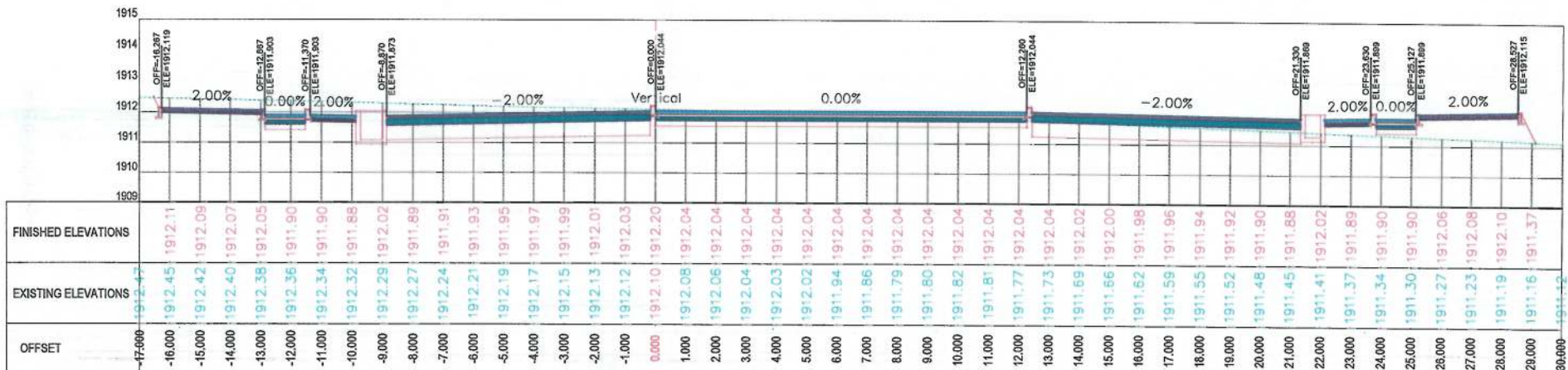
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Project Code

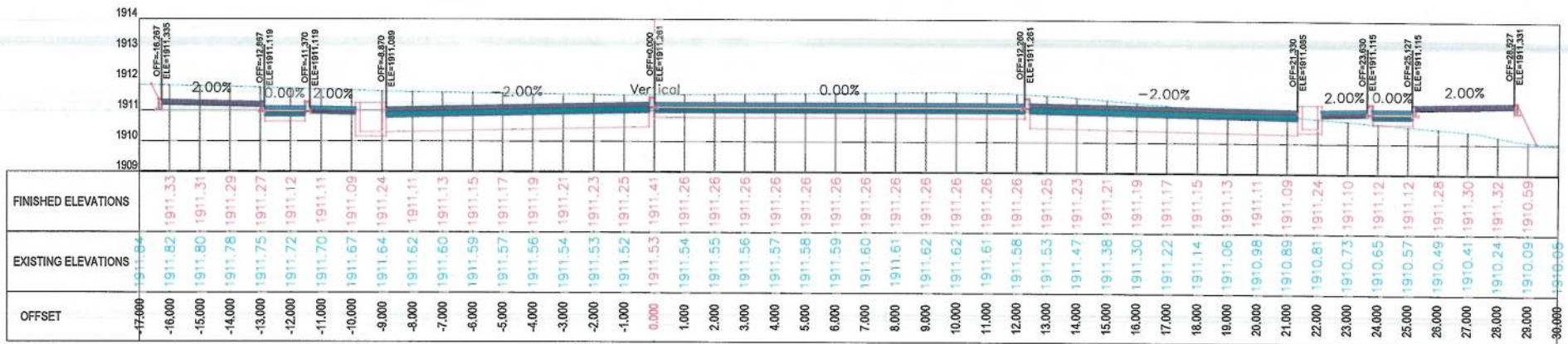
Drawing Number Revision
CS-8 00



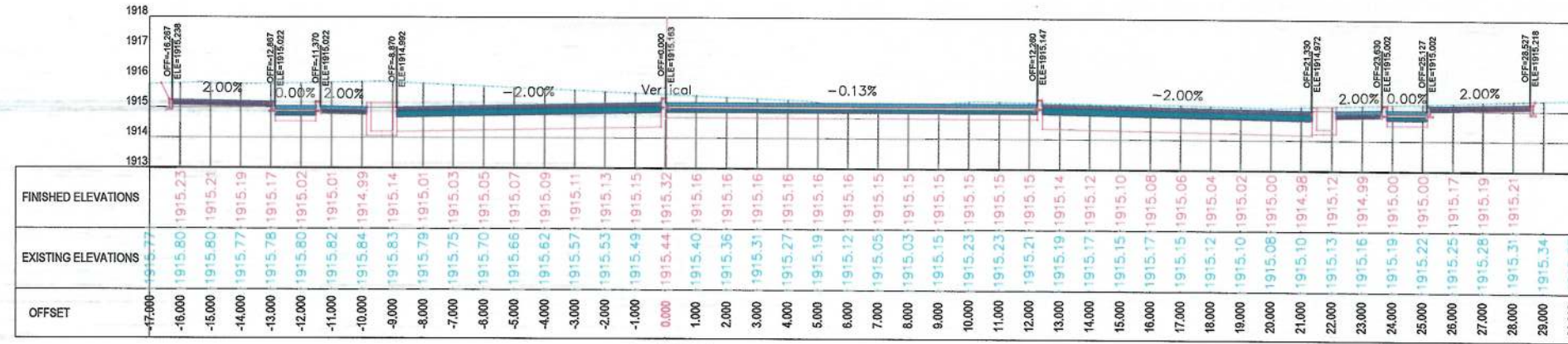
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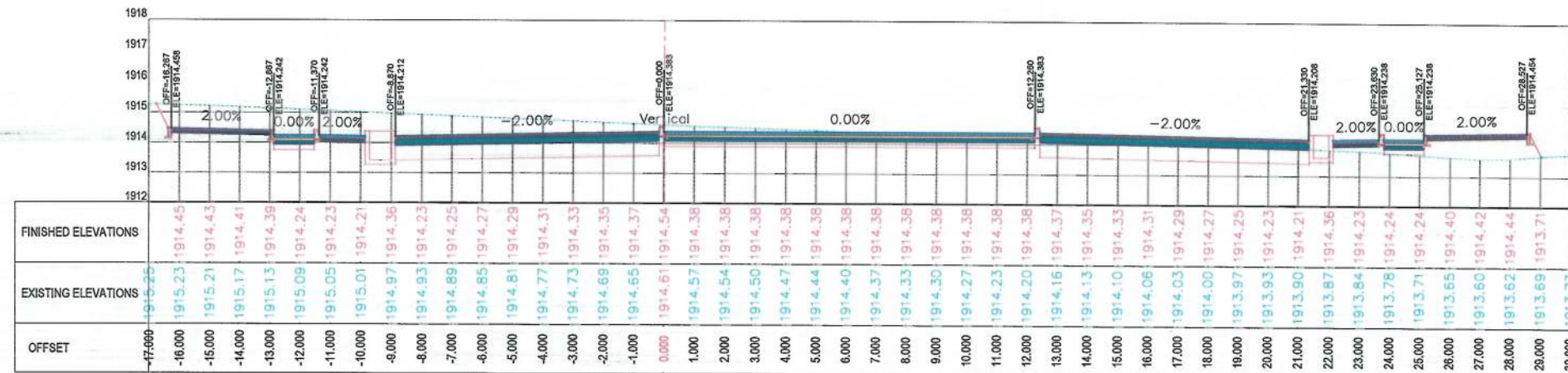
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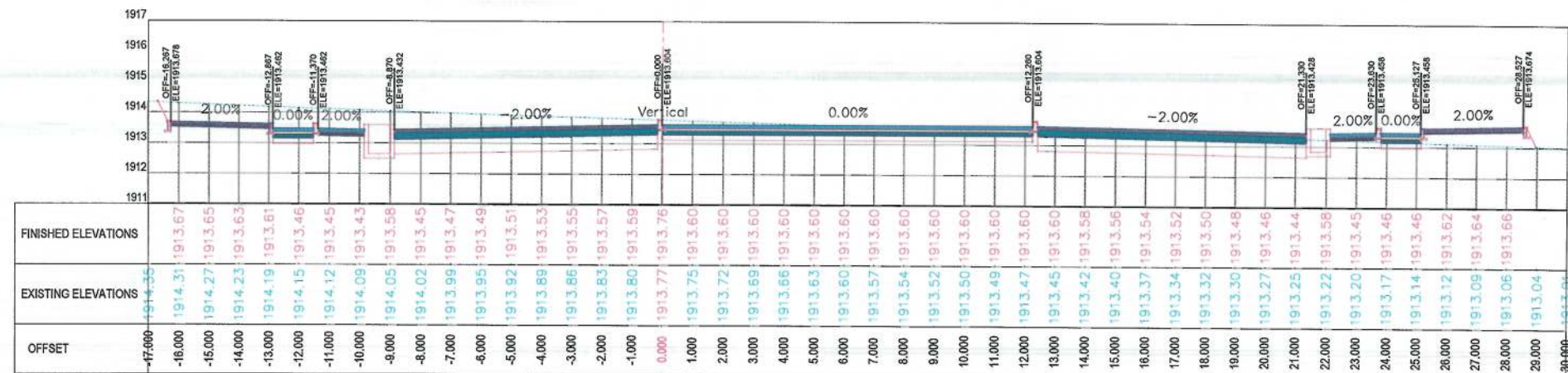
0+360.00



0+460.00



0+440.00



0+420.00

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:
Orfani to Omid-e-Sebz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirt
Drawn by: Mohammad Essa Sirt
Checked by: Habibullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-9
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

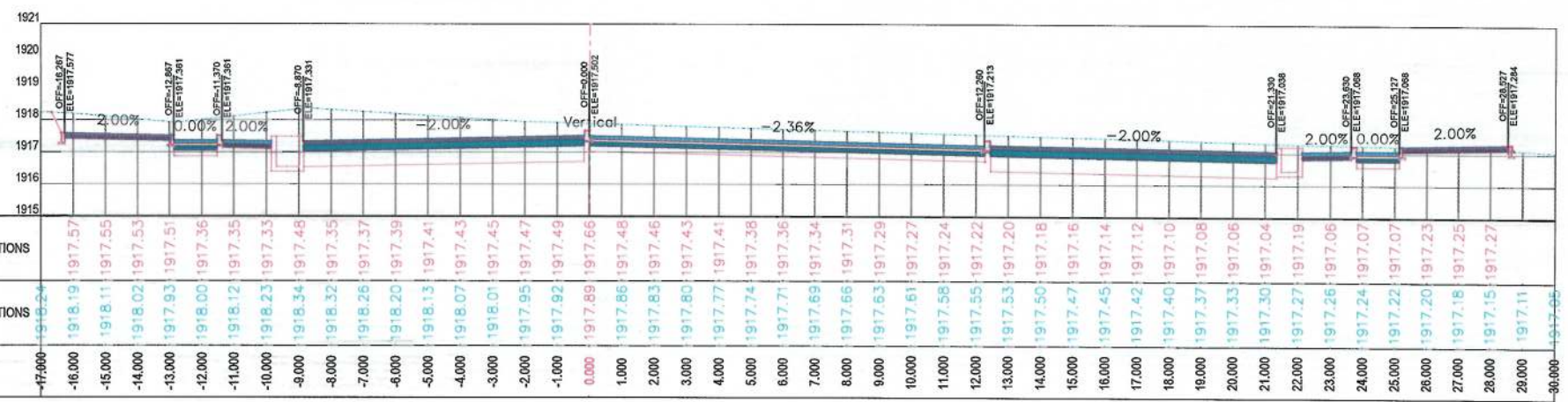
Designed by: Mohammad Easa Sirt	Signature:
Drawn by: Mohammad Easa Sirt	Signature:
Checked by: Hosbullah Shalizi	Signature:

Date: 9/17/2023	Scale: 1:200
--------------------	-----------------

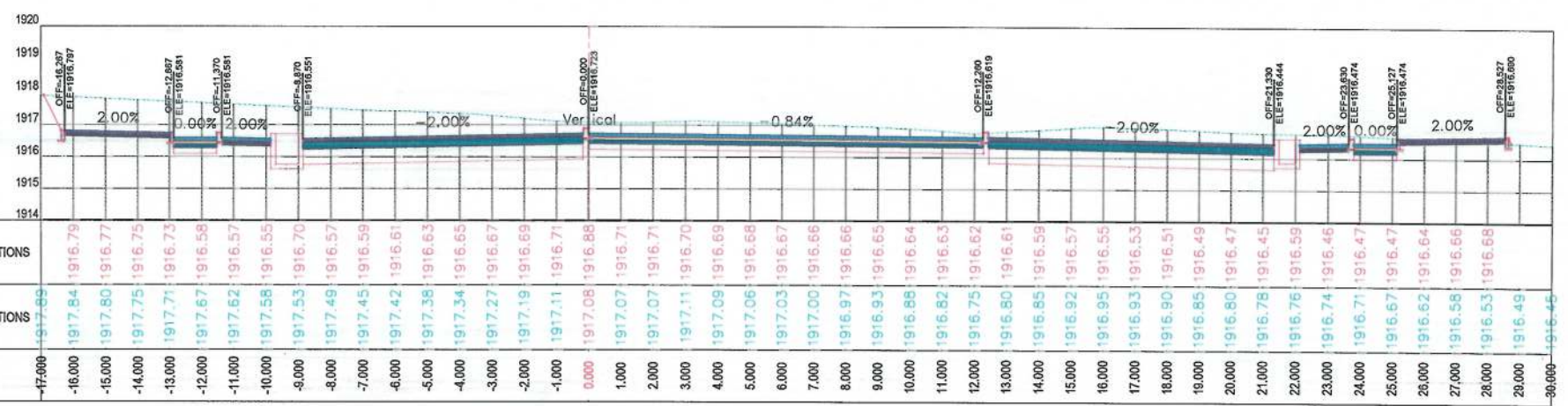
Status:
FINAL DESIGN

Project Code

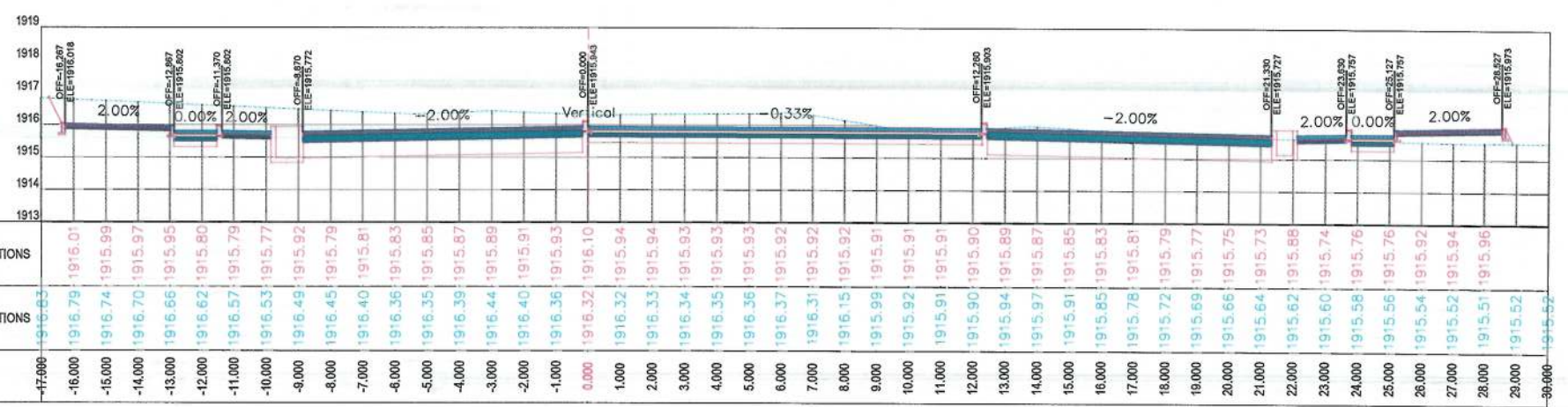
Drawing Number CS-10	Revision 00
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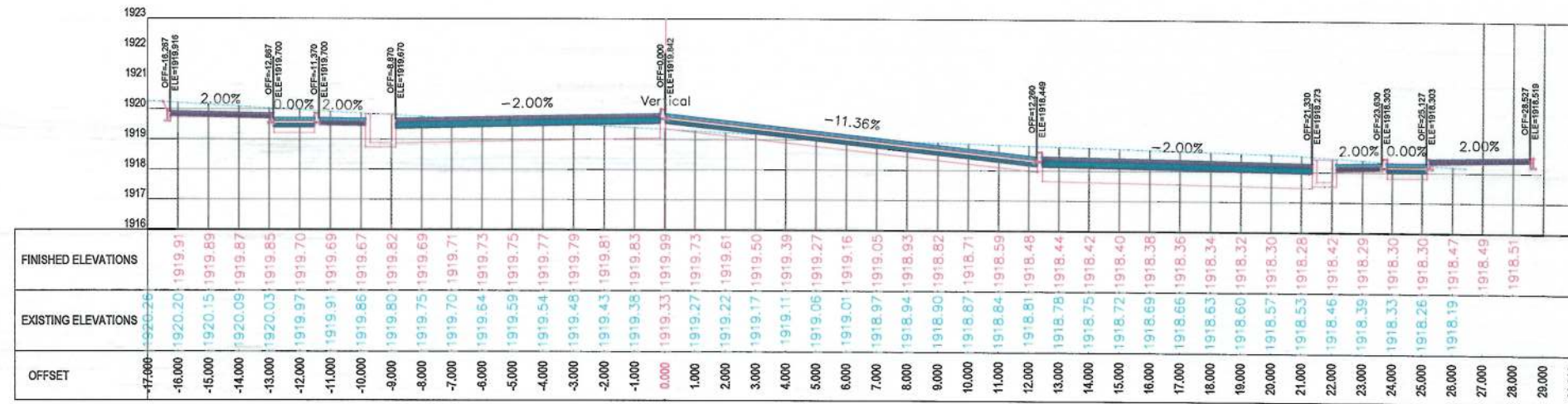
0+520.00



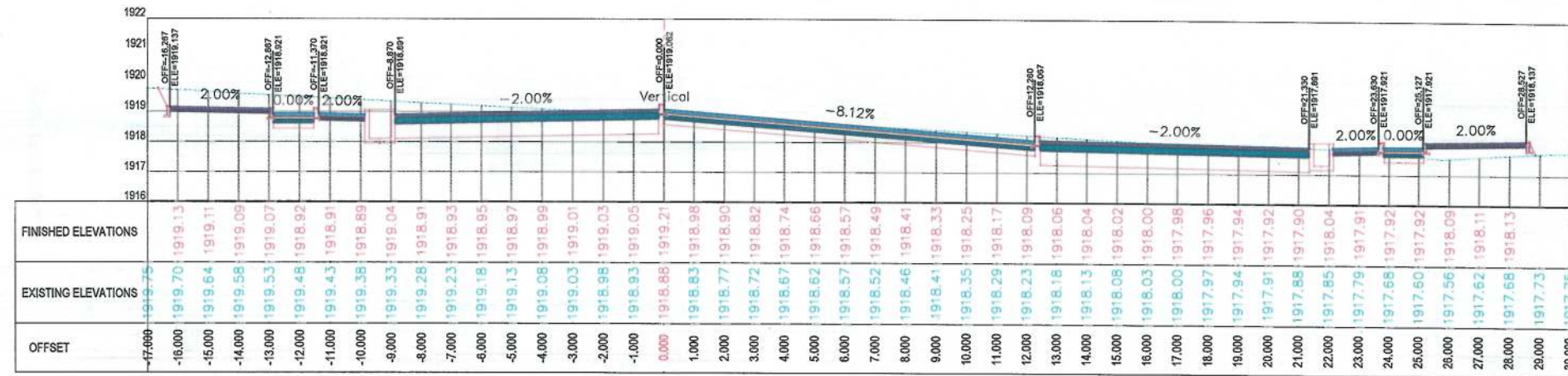
0+500.00



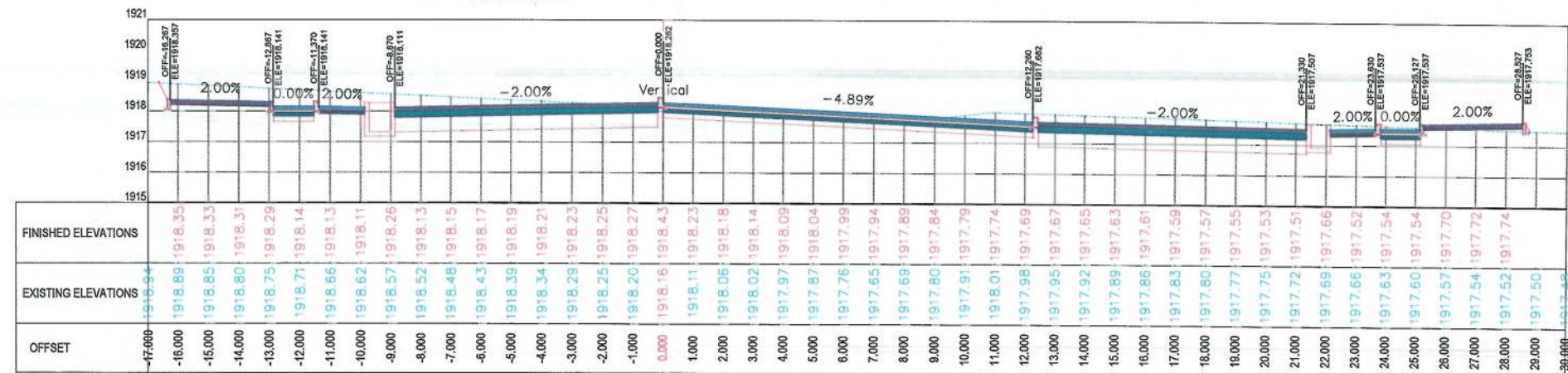
0+480.00



0+580.00



0+560.00



0+540.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code:

Drawing Number: CS-11
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



Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

Designed by:

Mohammad Essa Sirat

Drawn by:

Mohammad Essa Sirat

Checked by:

Hazratullah Shulizi

Signature:
Signature:
Signature:

Date:

9/17/2023

Scale:

1:200

Status:

FINAL DESIGN

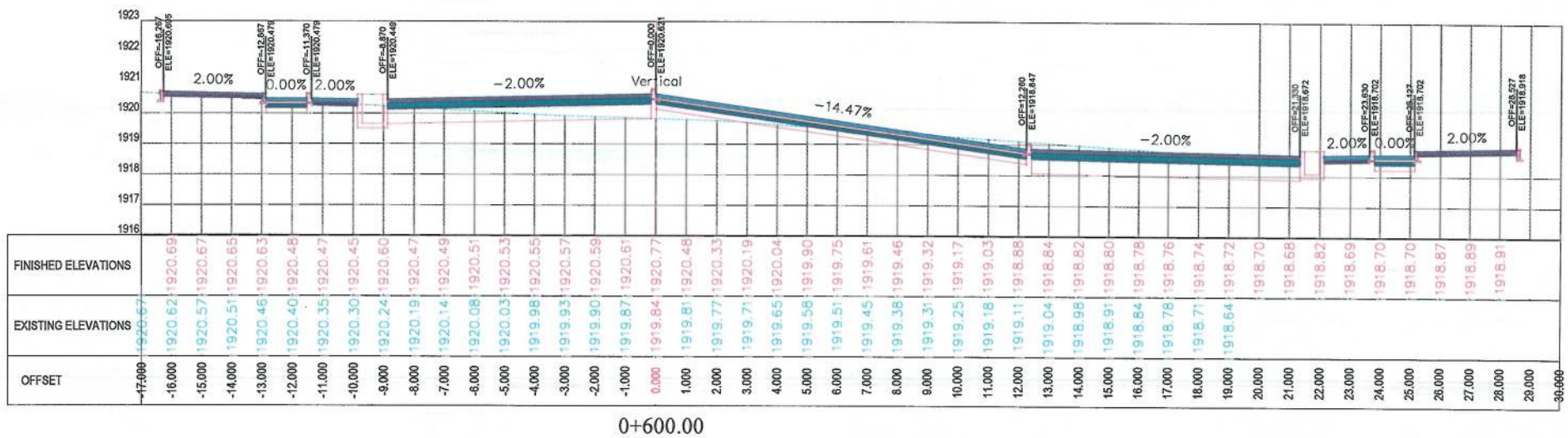
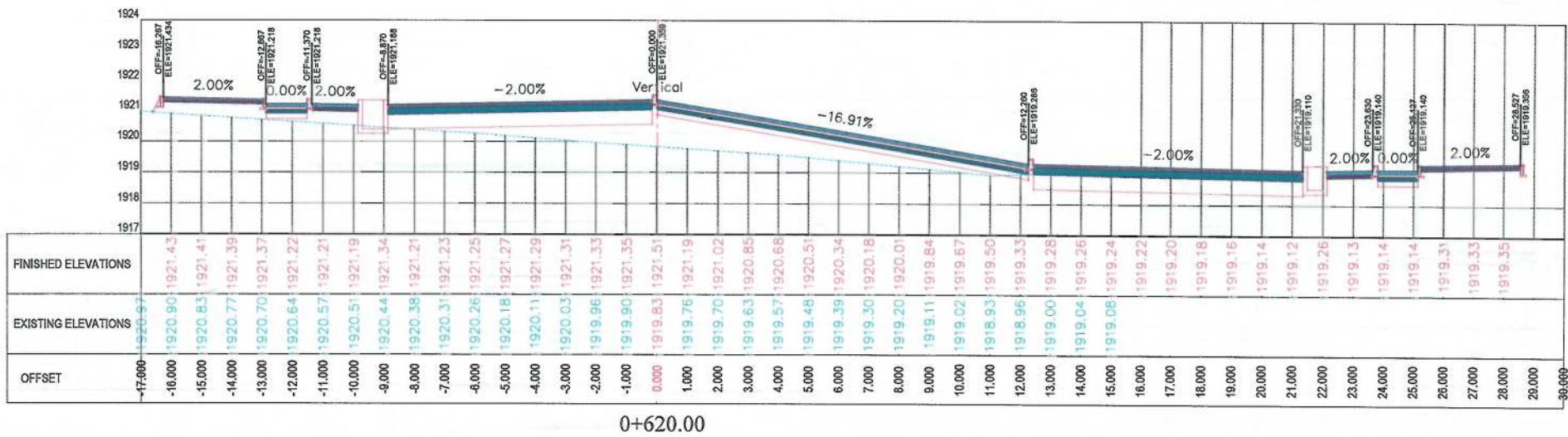
Project Code

Drawing Number

CS-12

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

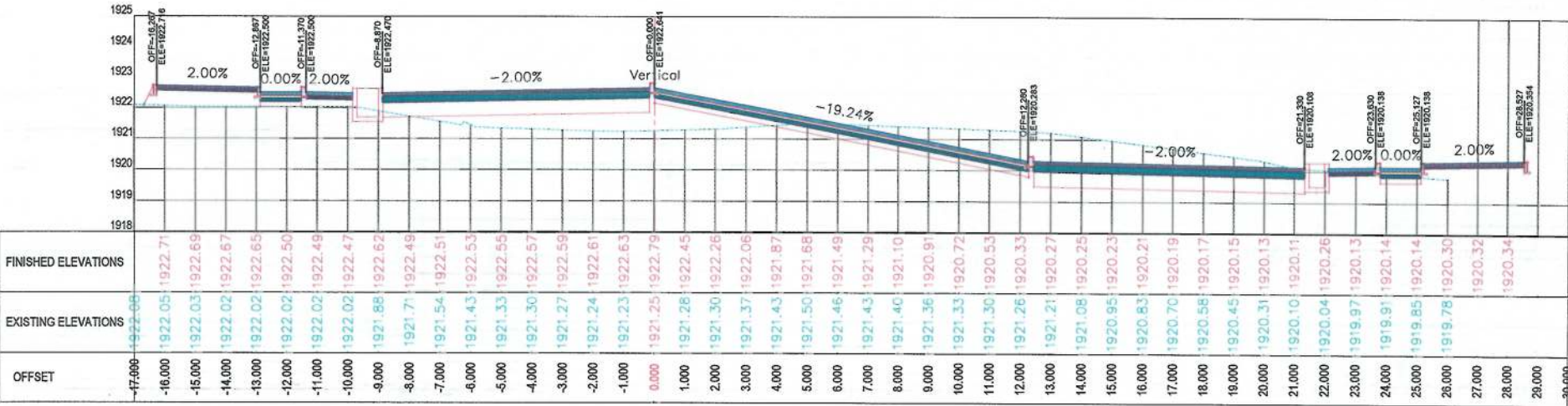
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/17/2023 Scale: 1:200

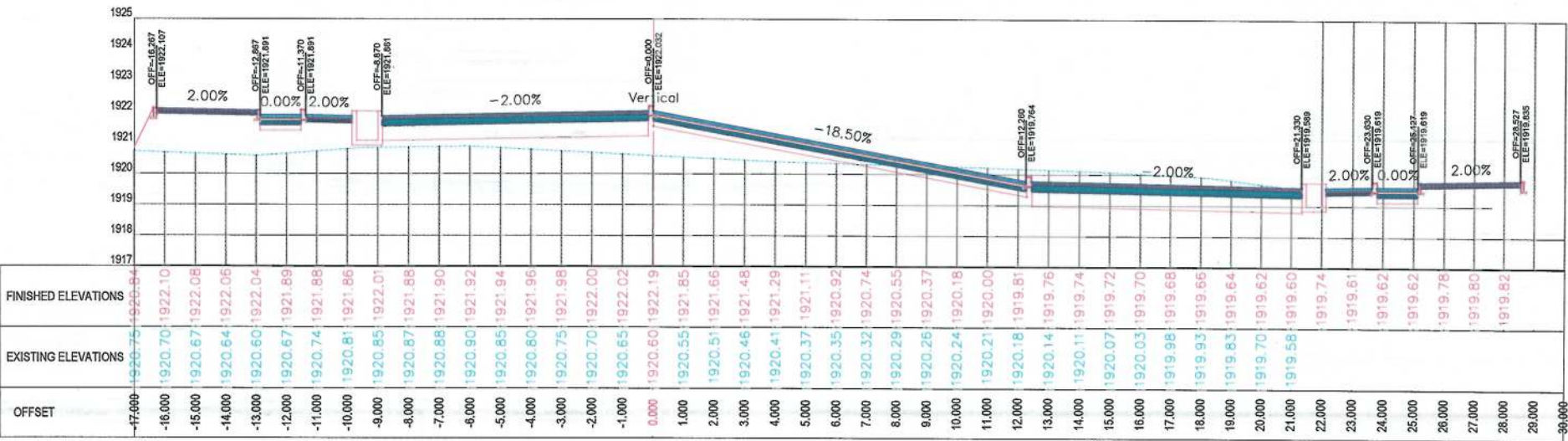
Status: FINAL DESIGN

Project Code

Drawing Number CS-13 Revision 00



0+660.00



0+640.00

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

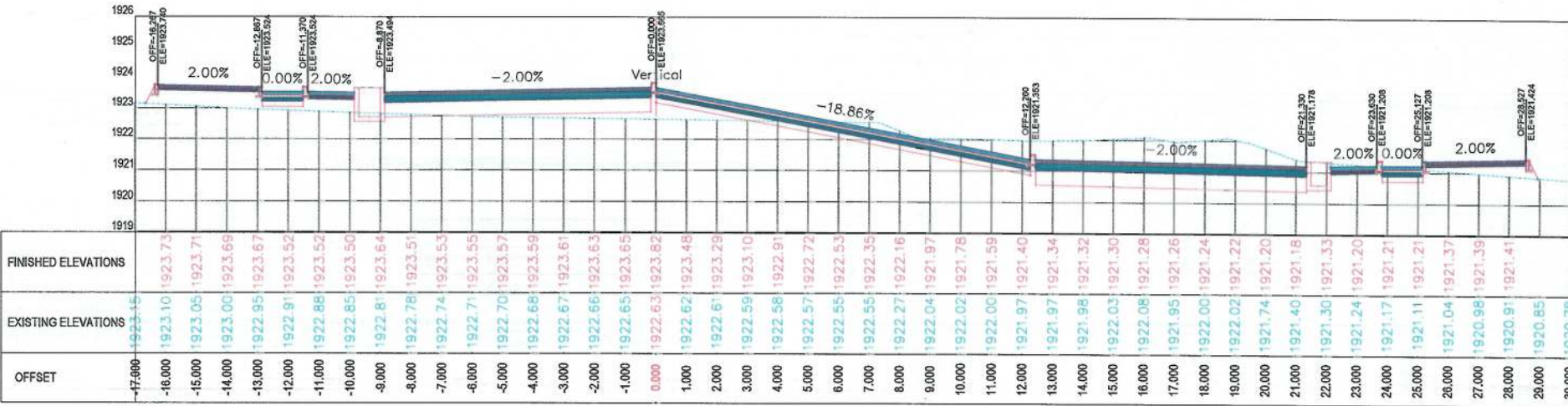
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/17/2023	Scale: 1:200
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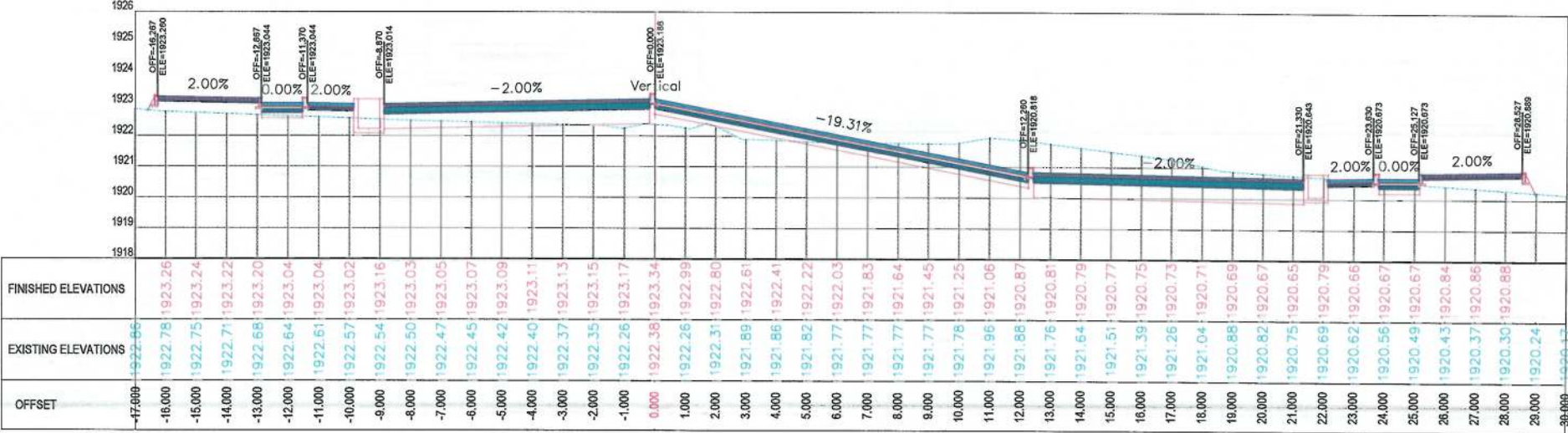
Status:
FINAL DESIGN

Project Code

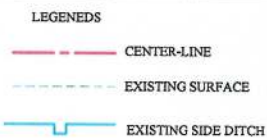
Drawing Number CS-14	Revision 00
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0+700.00



0+680.00



Date	Revision Details	Drawn	

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:

 KABUL MUNICIPALITY

Designed by:
**KABUL MUNICIPALITY
DESIGN TEAM**

Project Name:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date:	Scale:
9/17/2023	1:200

Status: FINAL DESIGN

Project Code	
--------------	--

Drawing Number	Revision
CS-15	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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

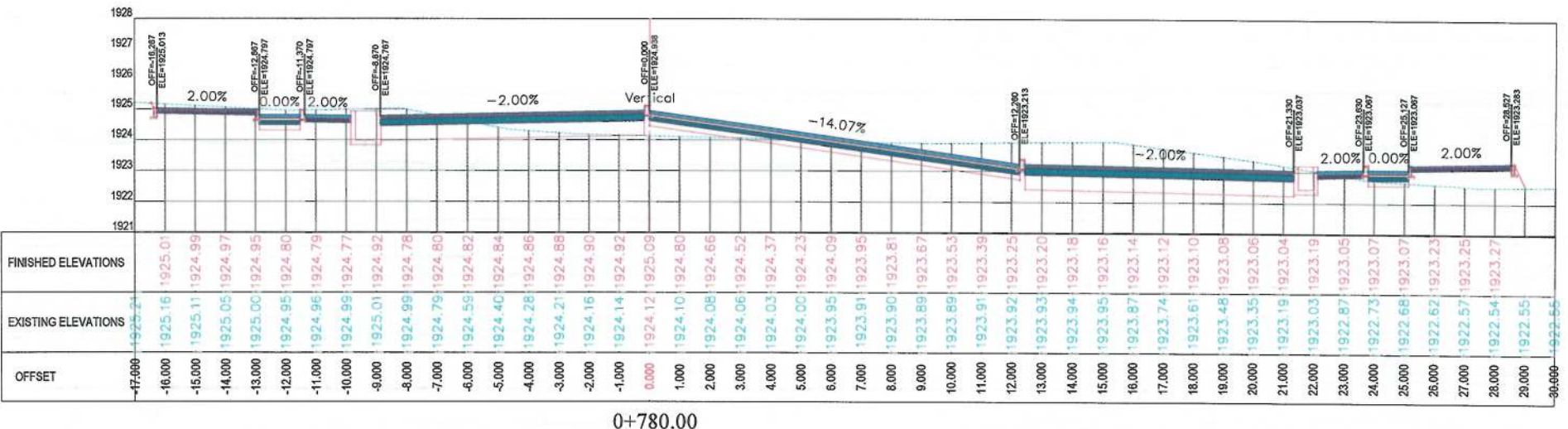
Designed by: Signature:
Drawn by: Signature:
Checked by: Signature:

Date: 9/17/2023 Scale: 1:200

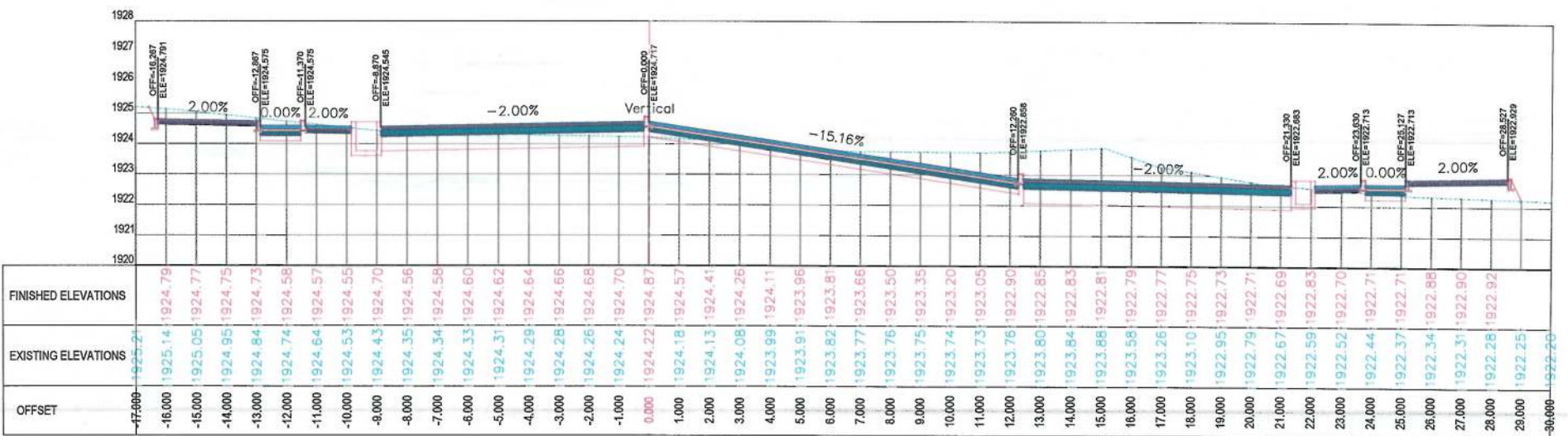
Status: **FINAL DESIGN**

Project Code

Drawing Number CS-16 Revision 00



0+780.00



0+760.00

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

Designed by: Mohammad Essa Sifat	Signature:
Drawn by: Mohammad Essa Sifat	Signature:
Checked by: Hasibullah Shalizi	Signature:

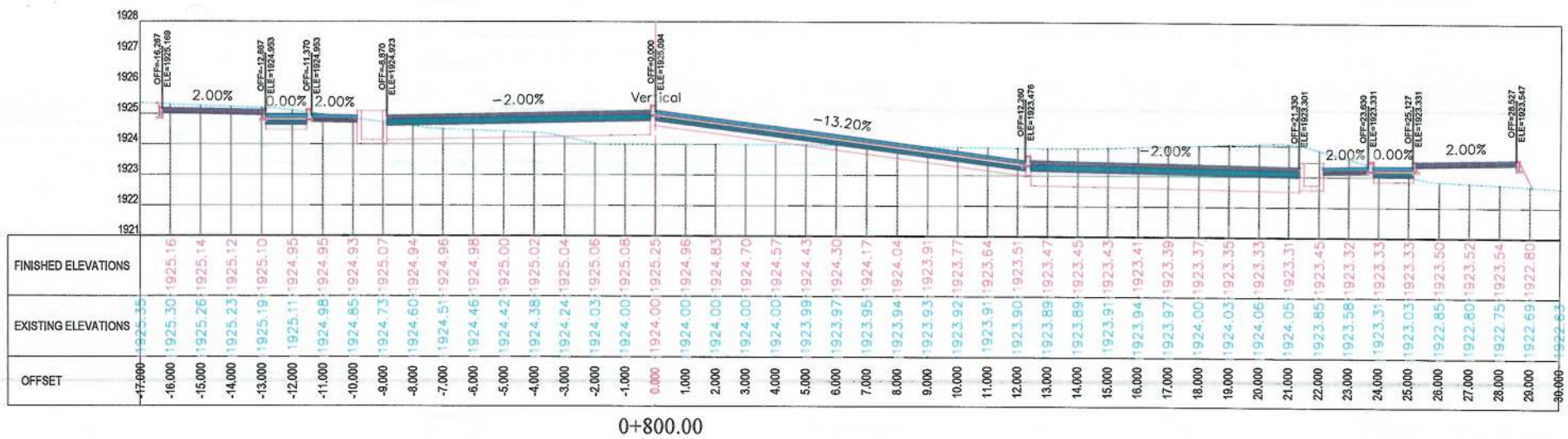
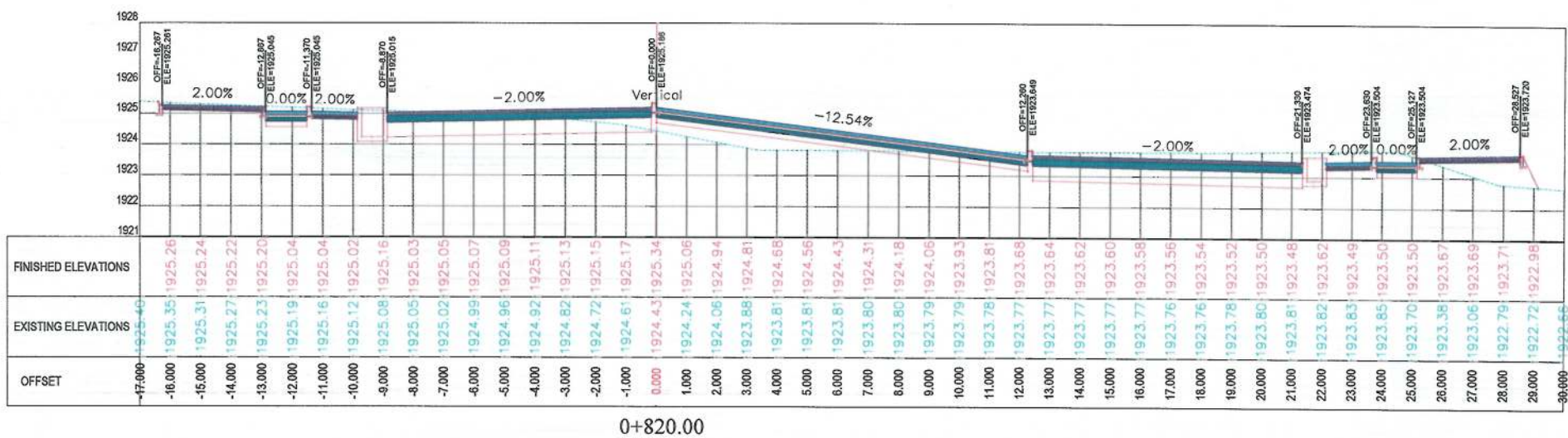
Date:
9/17/2023

Scale:
1:200

Status:
FINAL DESIGN

Project Code

Drawing Number	Revision
CS-17	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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

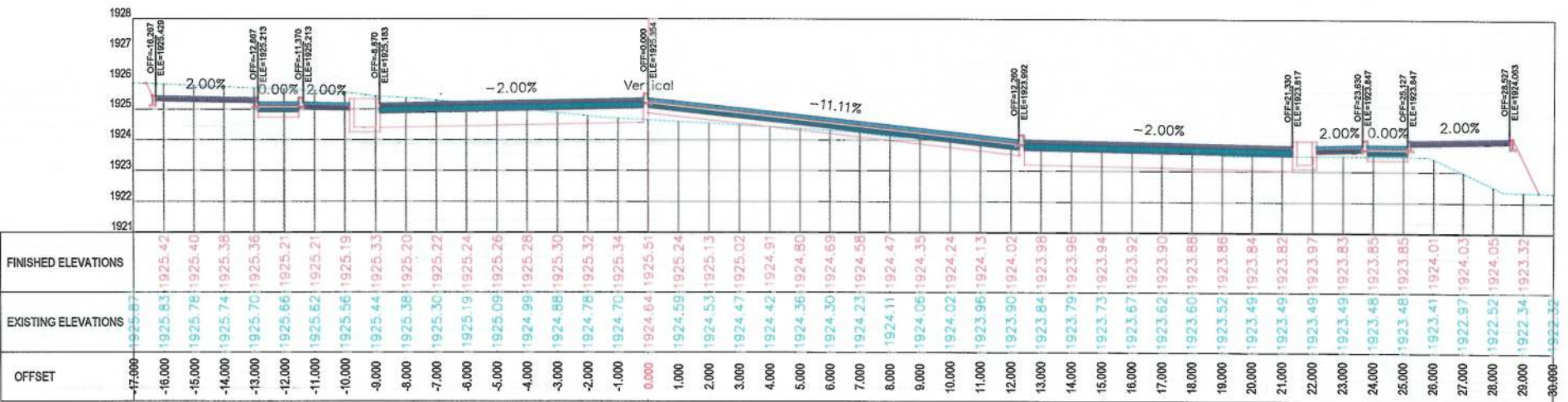
Designed by:
Mohammad Eesa Sirat
Signature:
Drawn by:
Mohammad Eesa Sirat
Signature:
Checked by:
Hasibullah Shalizi
Signature:

Date:
9/17/2023
Scale:
1:200

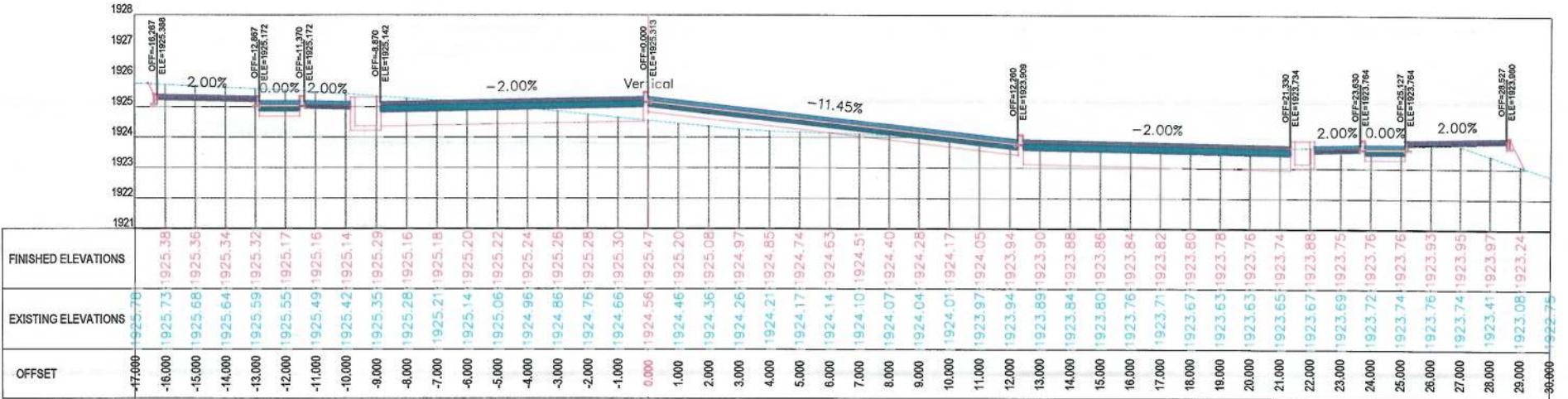
Status:
FINAL DESIGN

Project Code

Drawing Number
CS-19
Revision
00



0+900.00



0+880.00

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:



Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

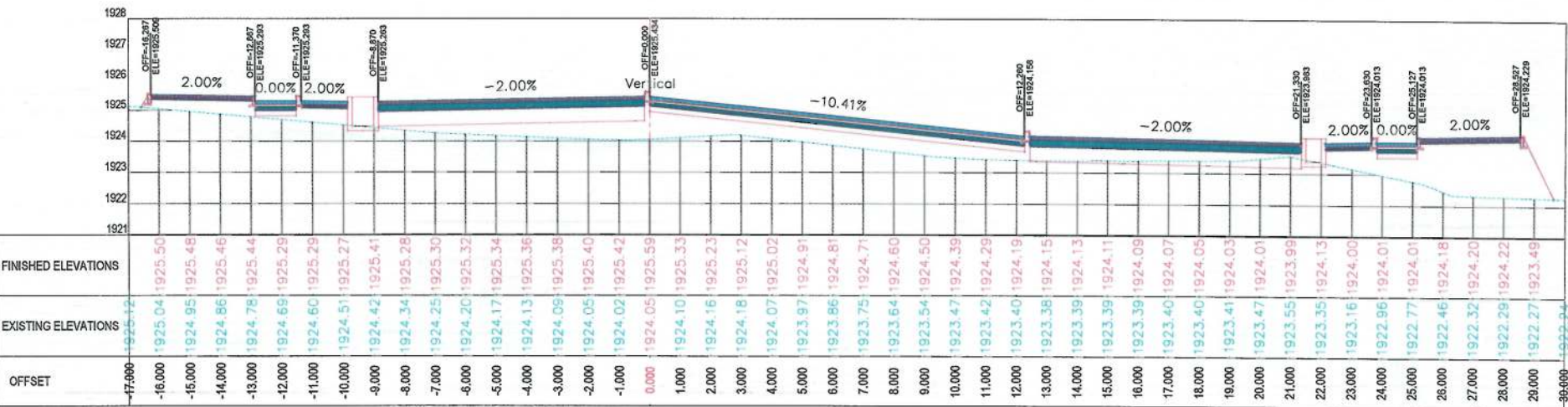
Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 9/17/2023
Scale: 1:200

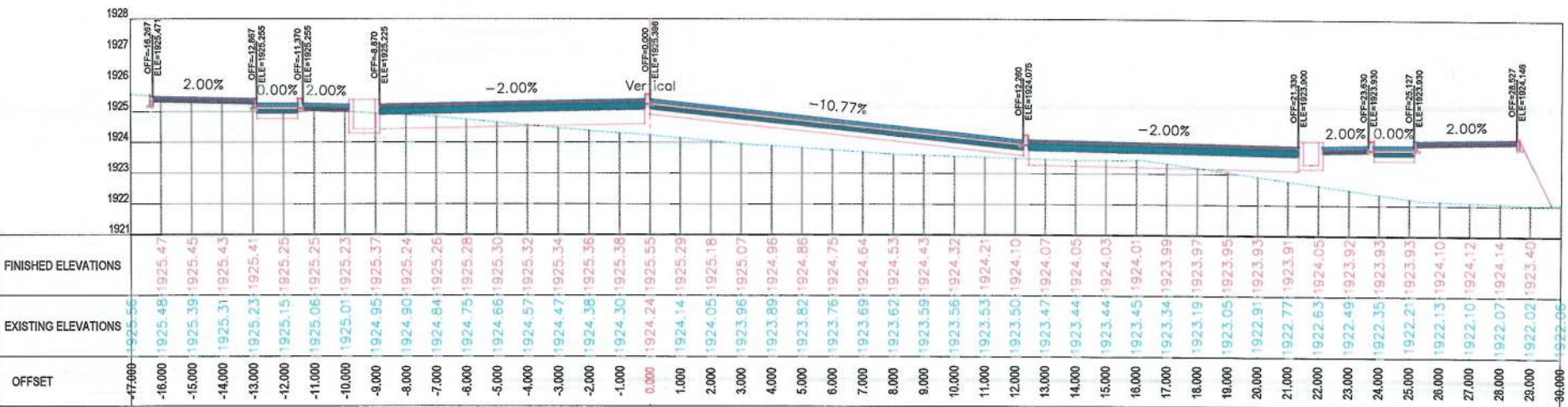
Status: FINAL DESIGN

Project Code

Drawing Number: CS-20
Revision: 00



0+940.00



0+920.00

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

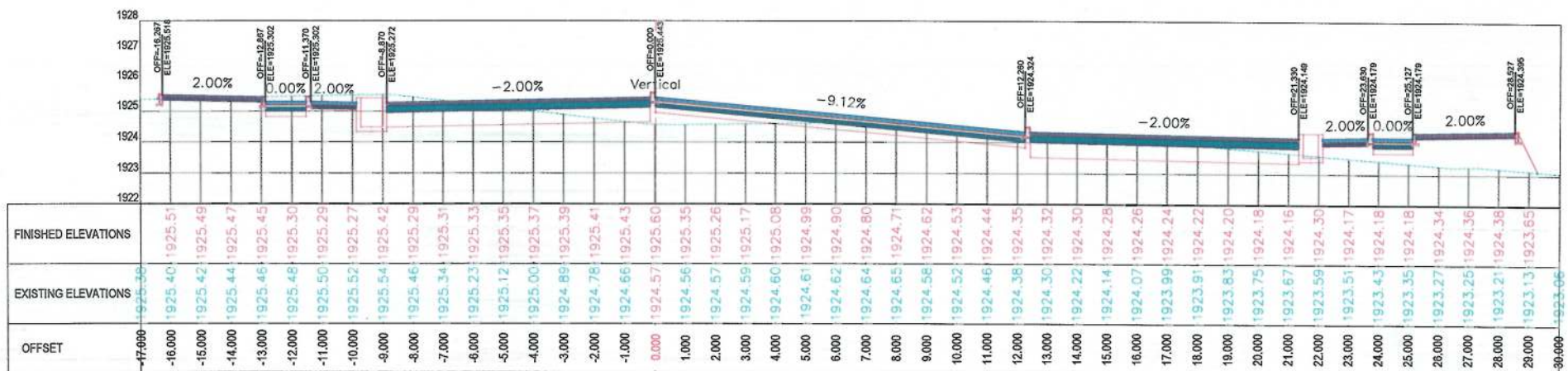
Date: 9/17/2023
Scale: 1:200

Status: **FINAL DESIGN**

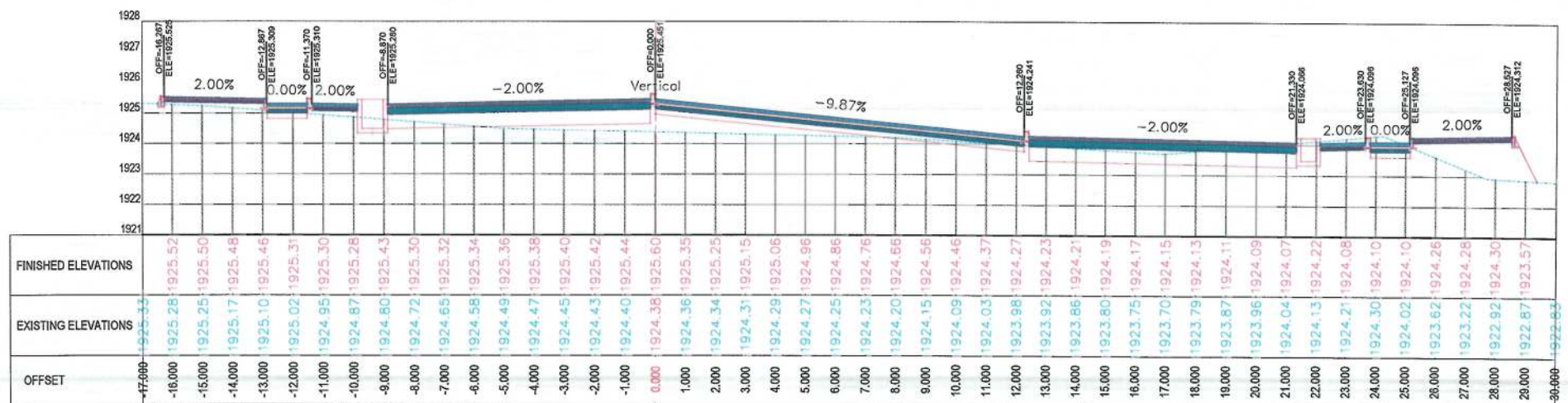
Project Code

Drawing Number
CS-21

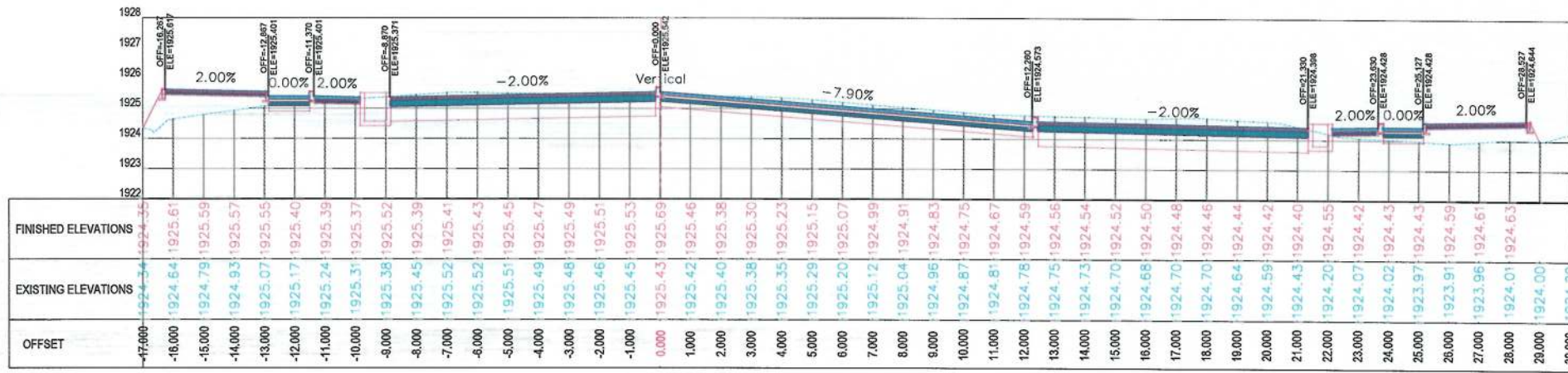
Revision
00



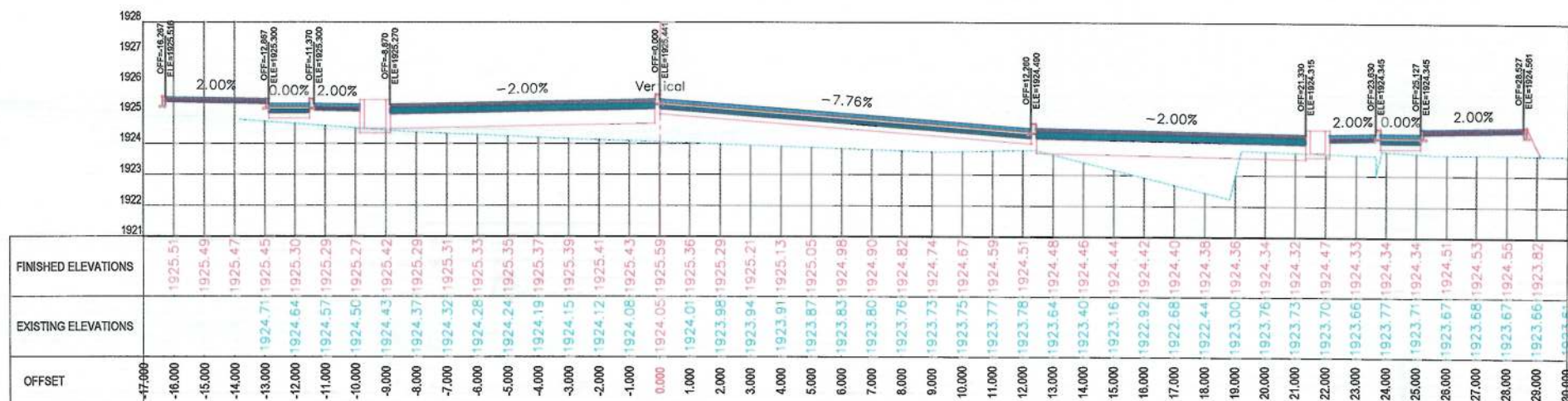
0+980.00



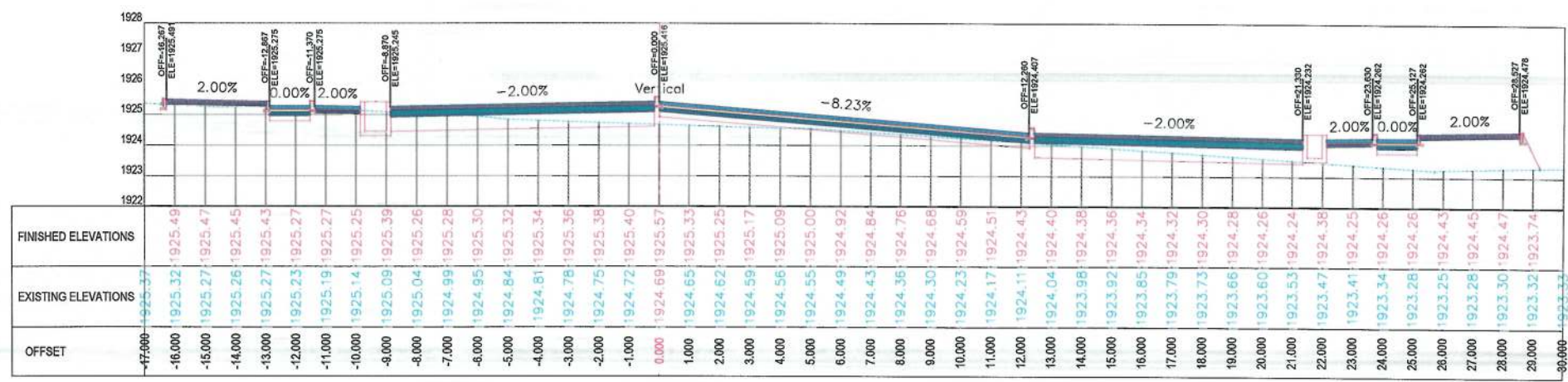
0+960.00



1+040.00



1+020.00



1+000.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
 Drawn by: Mohammad Essa Sirat
 Checked by: Hasibullah Shalizi

Date: 9/17/2023
 Scale: 1:200

Status: FINAL DESIGN

Project Code:
 Drawing Number: CS-22
 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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

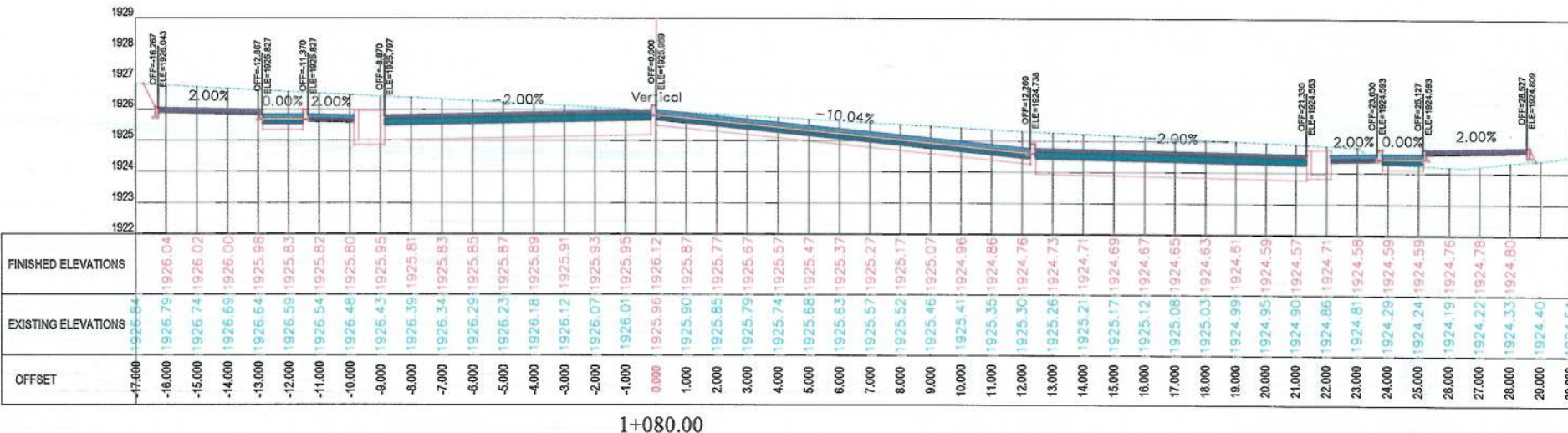
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Signature:

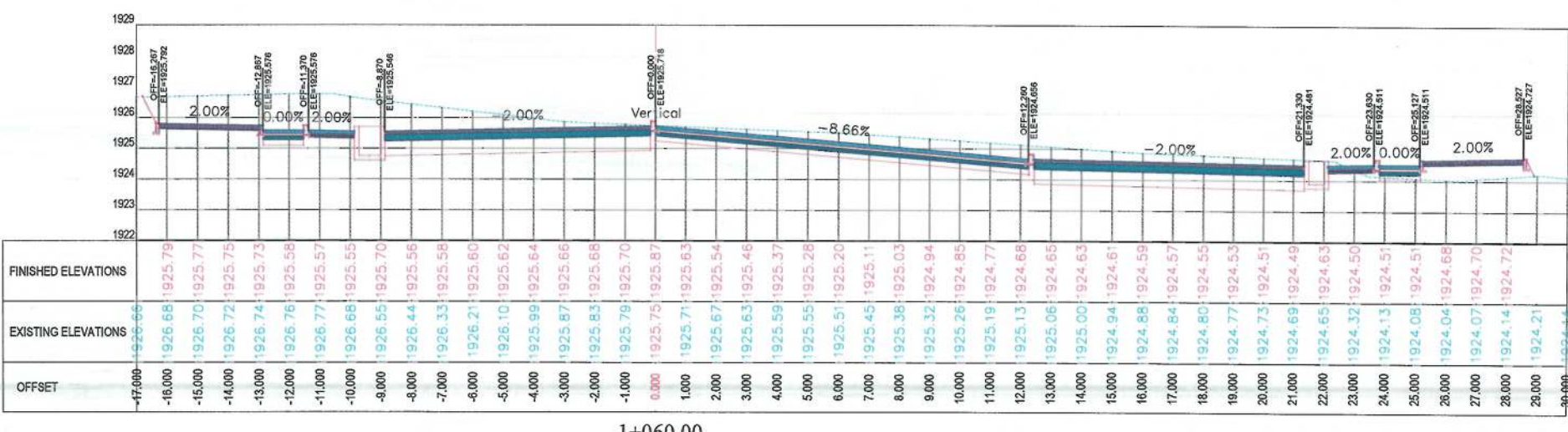
Date: 9/17/2023
Scale: 1:200

Status: **FINAL DESIGN**

Project Code:
Drawing Number: CS-23
Revision: 00



1+080.00



1+060.00

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
CROSS SECTIONS
(Main Alignment)

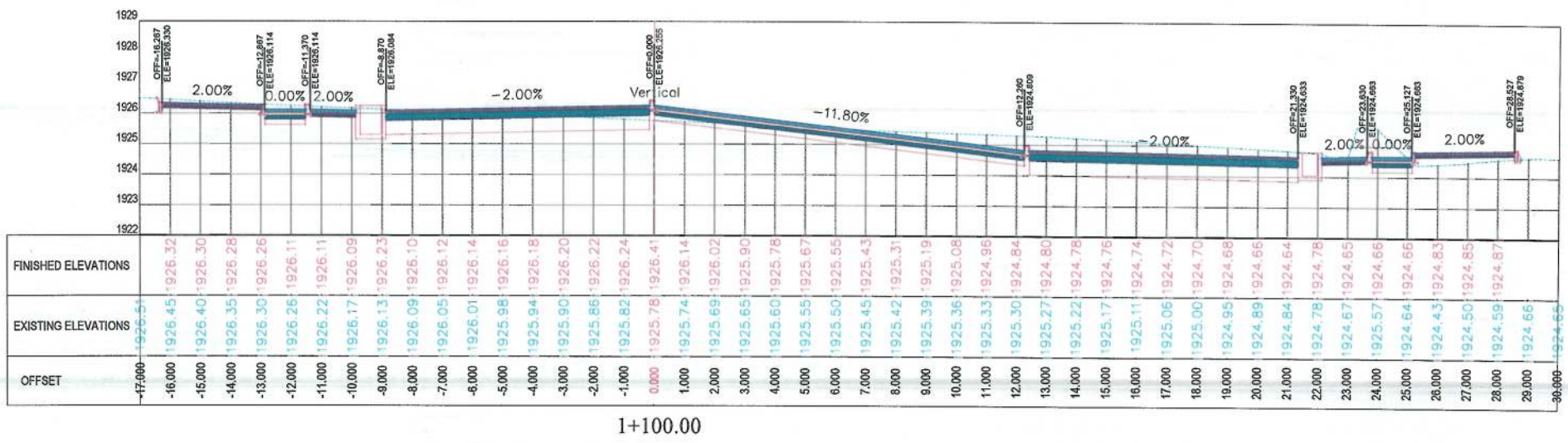
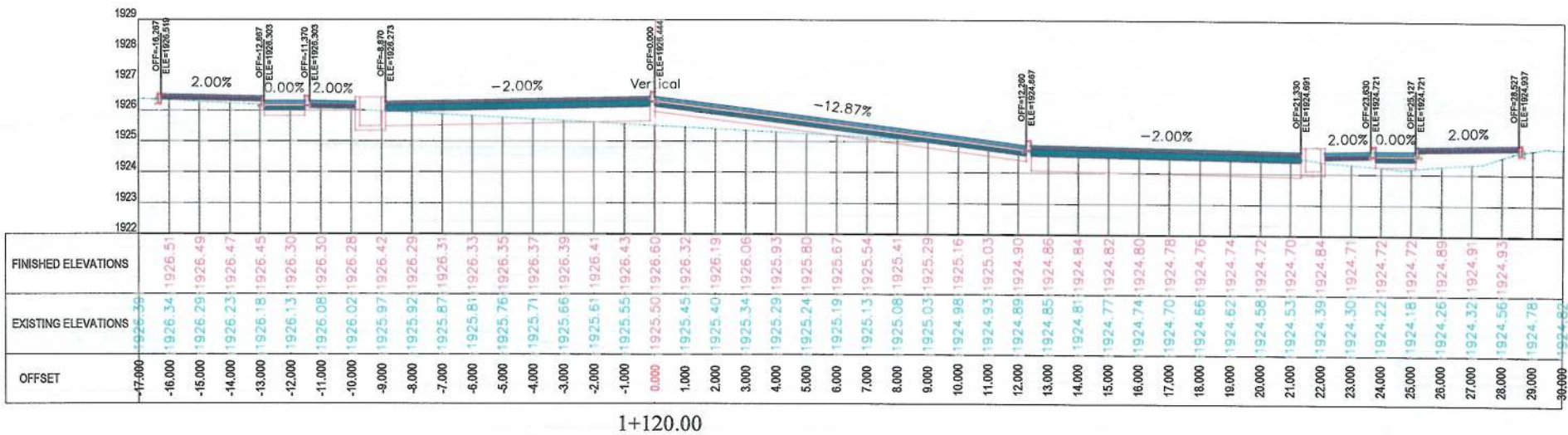
Designed by:
Mohammad Essa Sirat
Signature:
Drawn by:
Mohammad Essa Sirat
Signature:
Checked by:
Hasibullah Shalizi
Signature:

Date:
9/17/2023
Scale:
1:200

Status:
FINAL DESIGN

Project Code

Drawing Number
CS-24
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

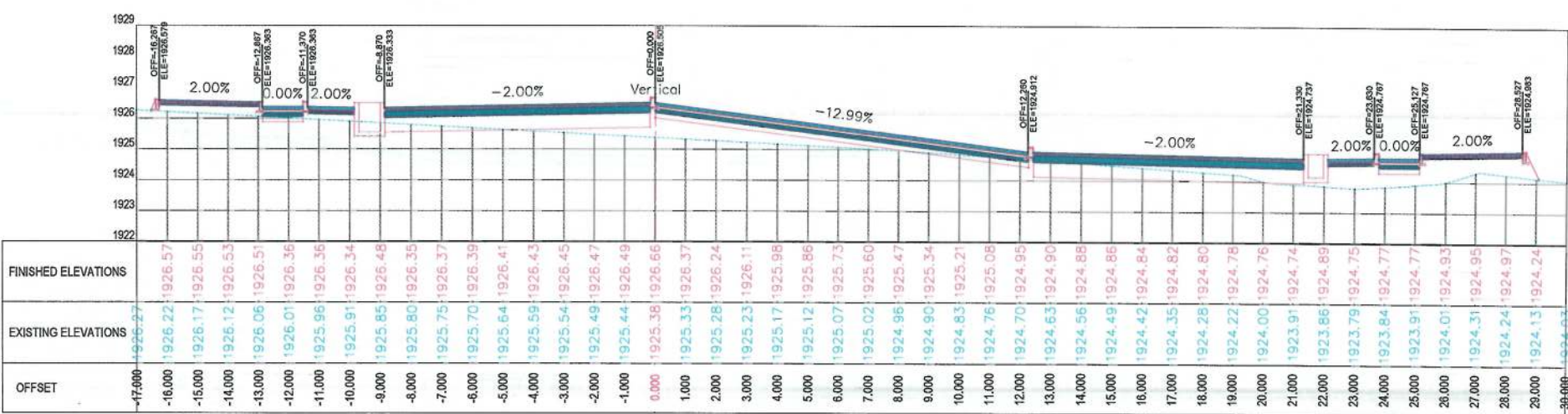
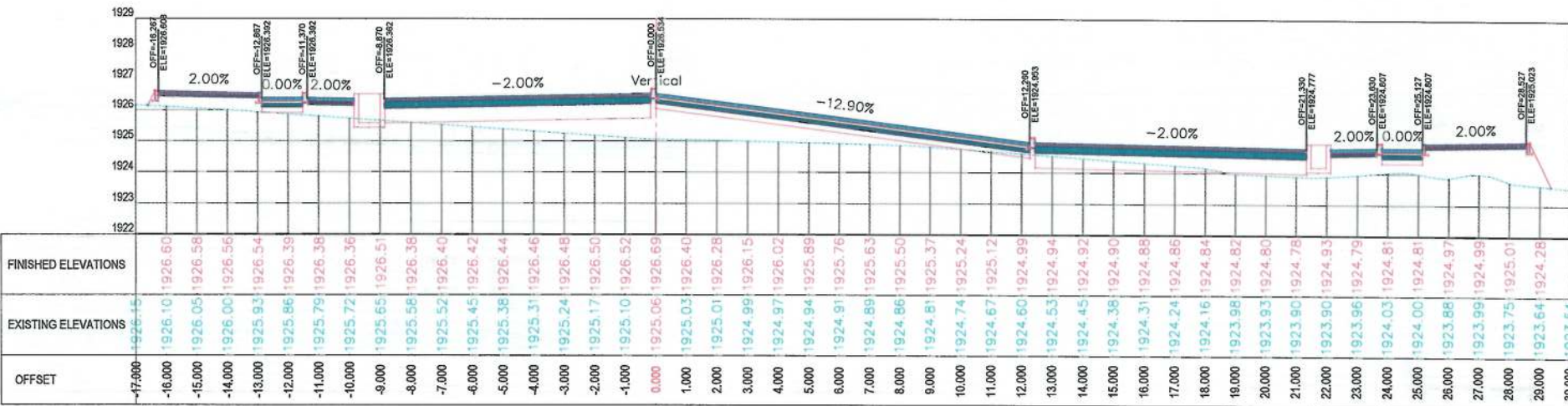
Designed by: Signature:
Drawn by: Signature:
Checked by: Signature:

Date: 9/17/2023 Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number CS-25 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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

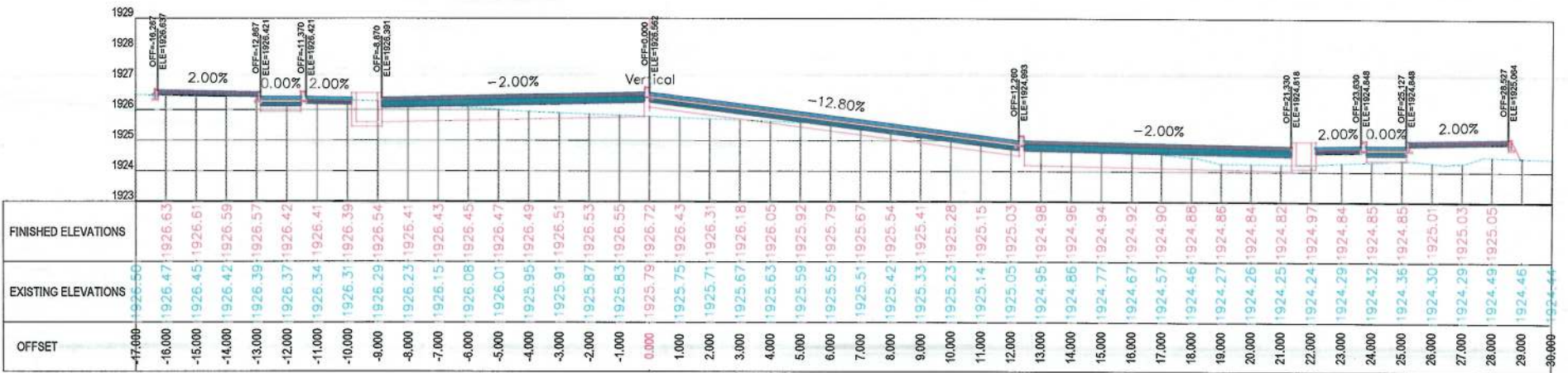
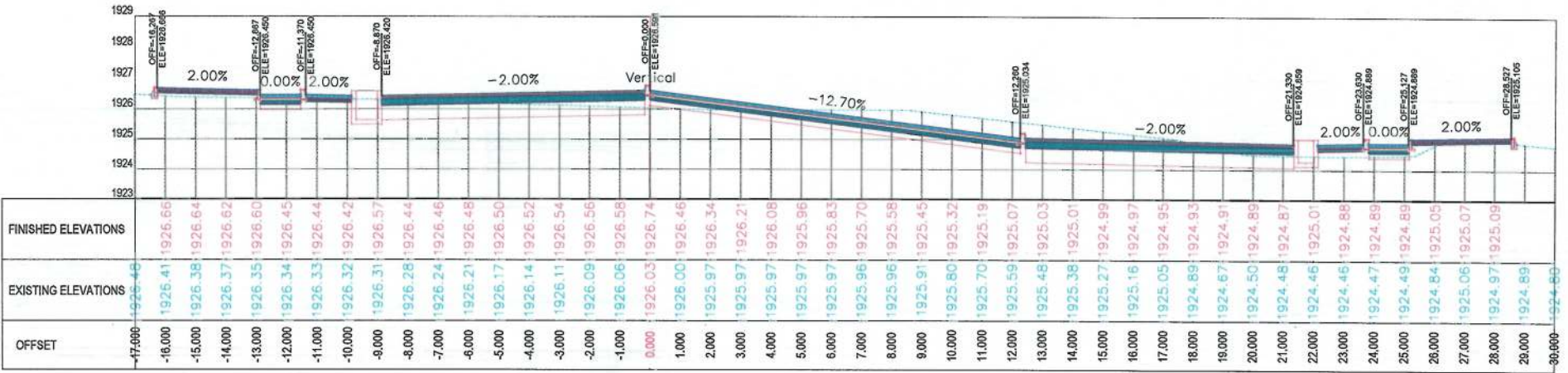
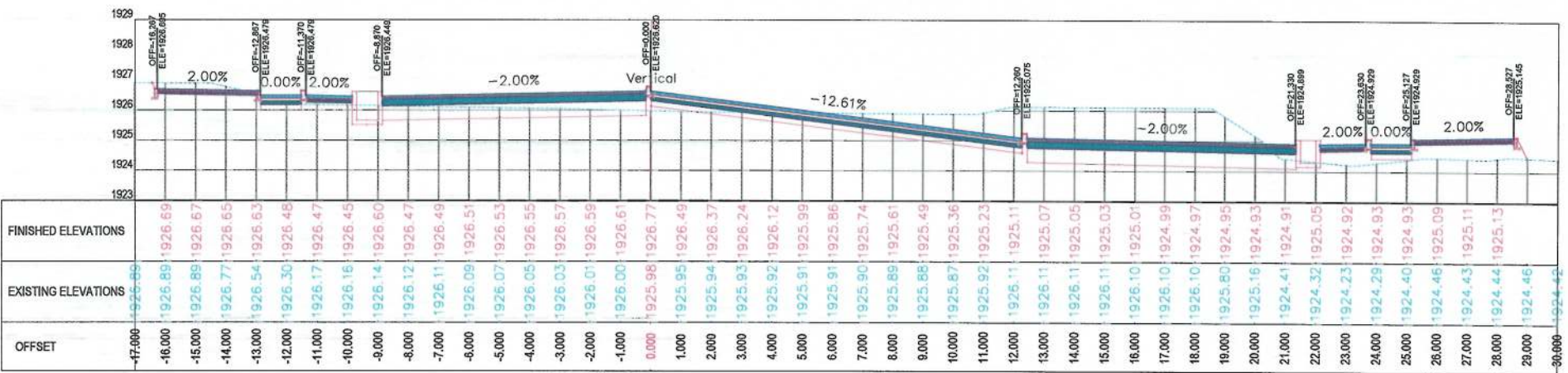
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

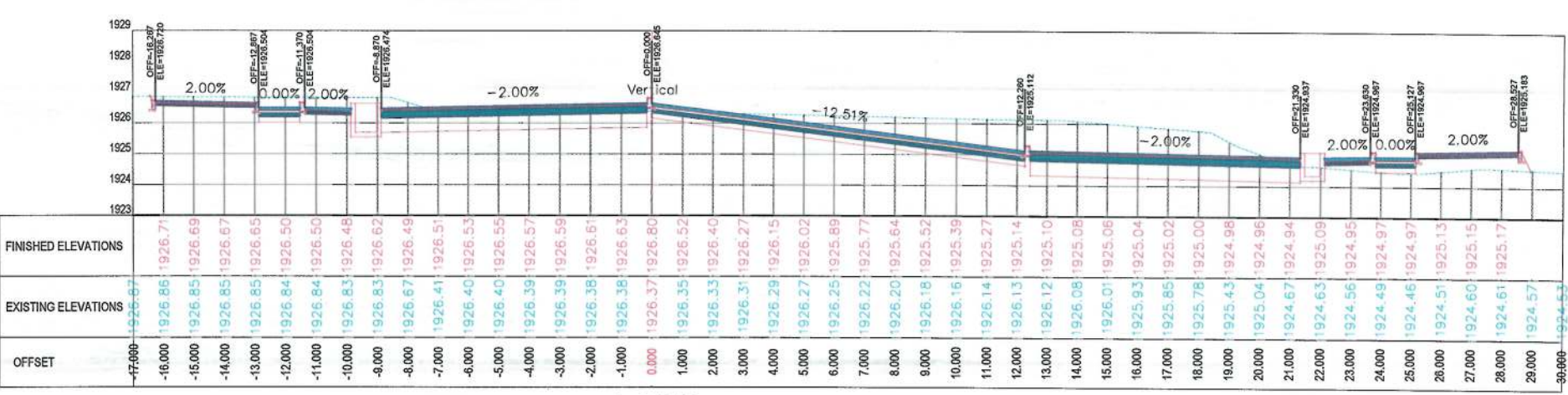
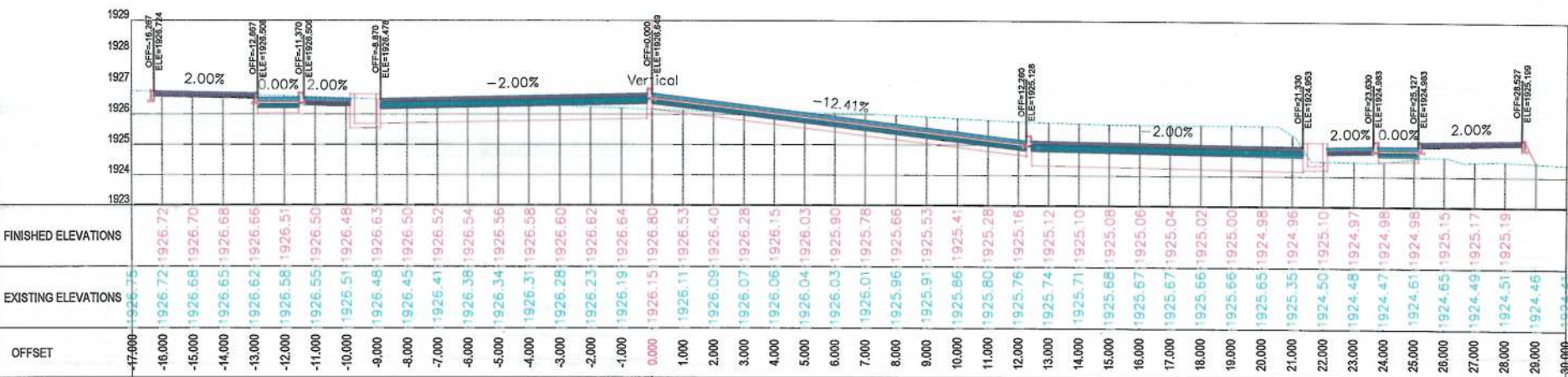
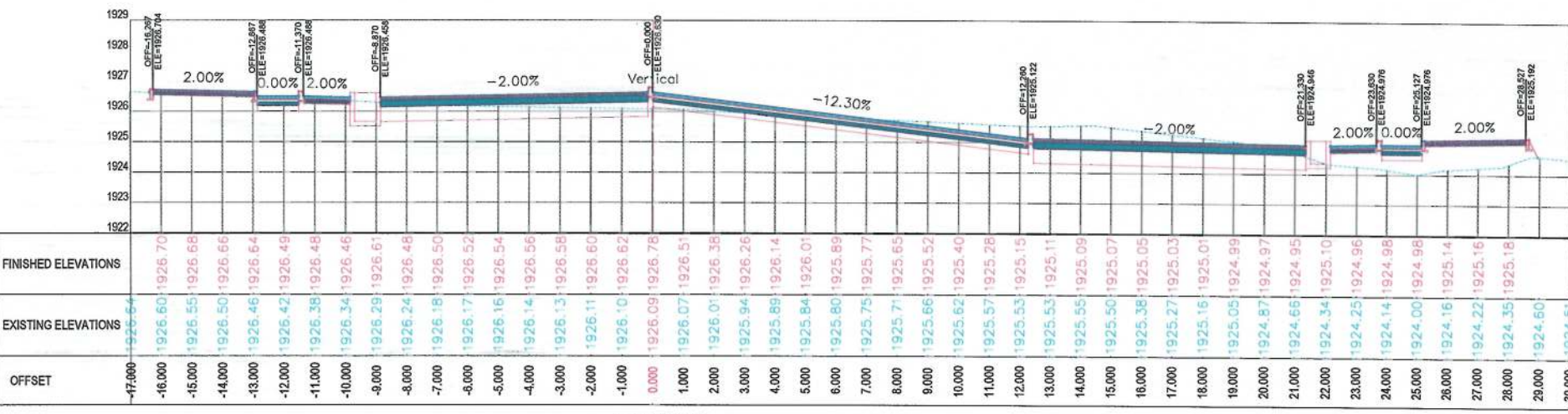
Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-26
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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat

Signature:

Drawn by: Mohammad Essa Sirat

Signature:

Checked by: Habibullah Shalizi

Signature:

Date: 9/17/2023

Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-27

Revision: 00

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

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

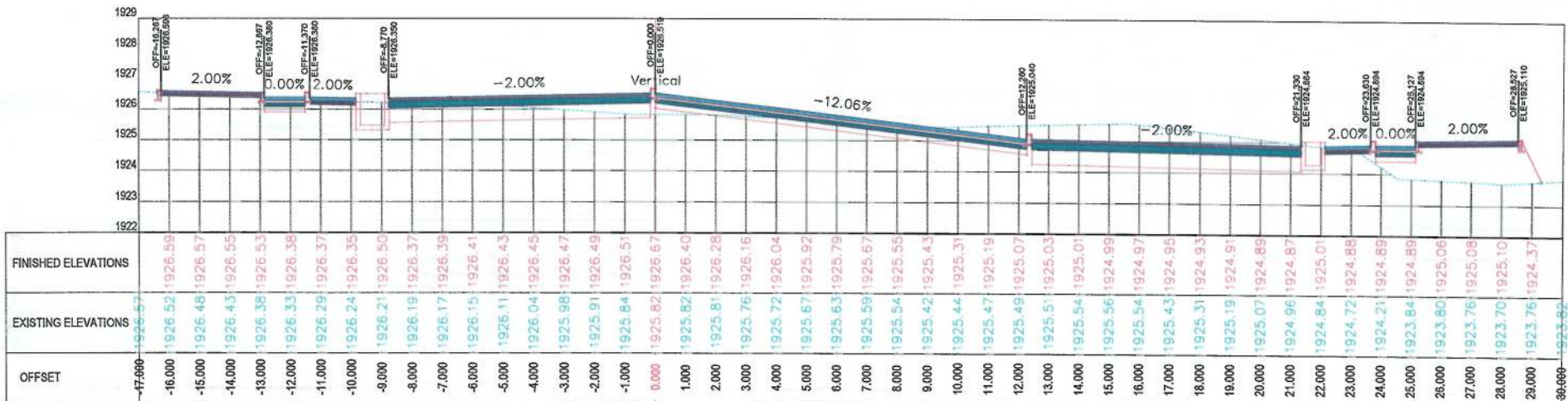
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/17/2023	Scale: 1:200
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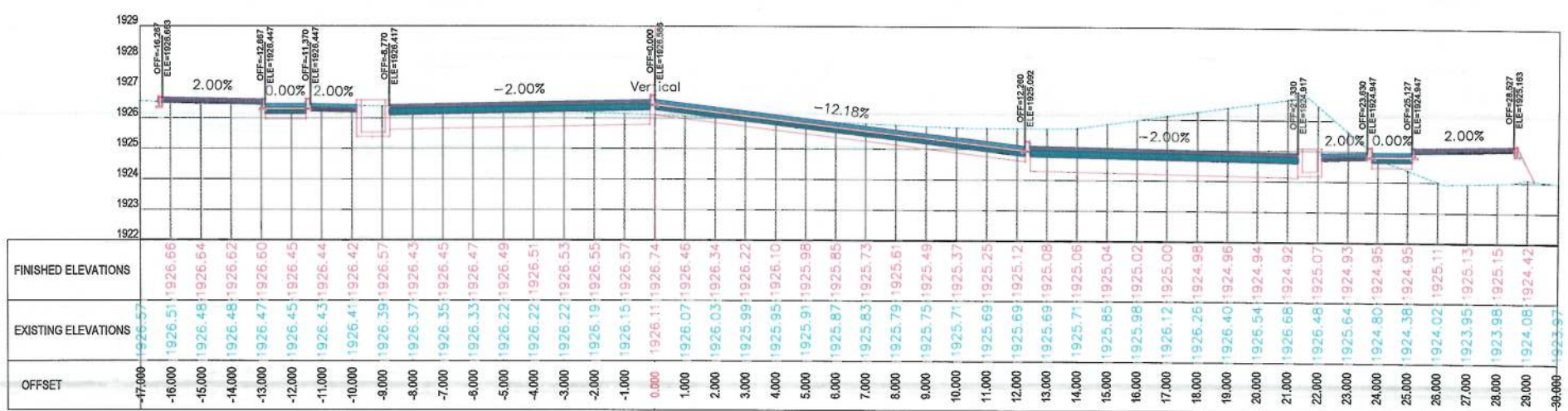
Status:
FINAL DESIGN

Project Code

Drawing Number CS-28	Revision 00
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1+320.00



1+300.00

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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

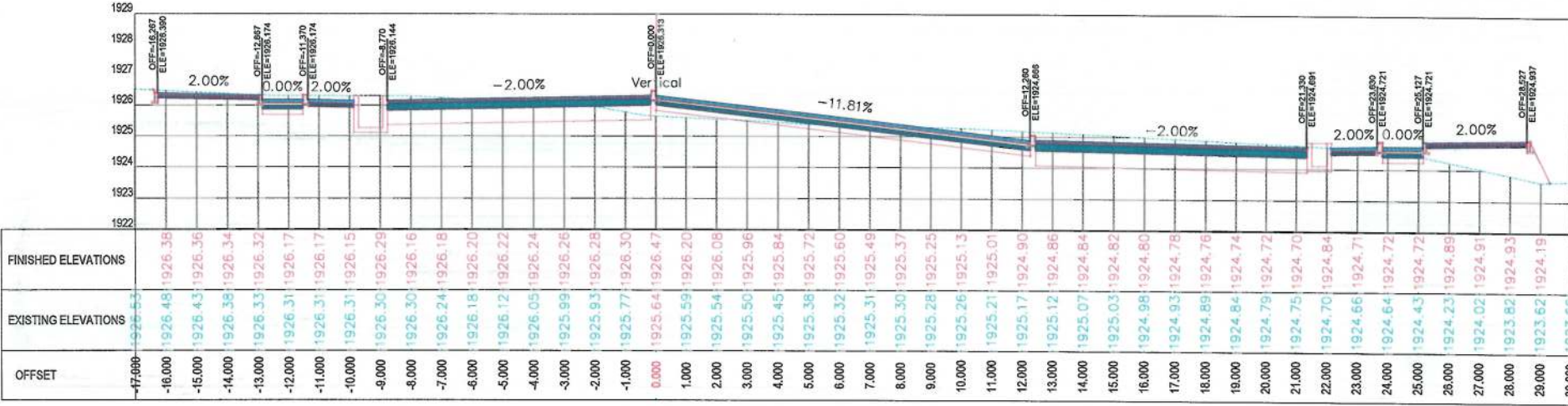
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/17/2023	Scale: 1:200
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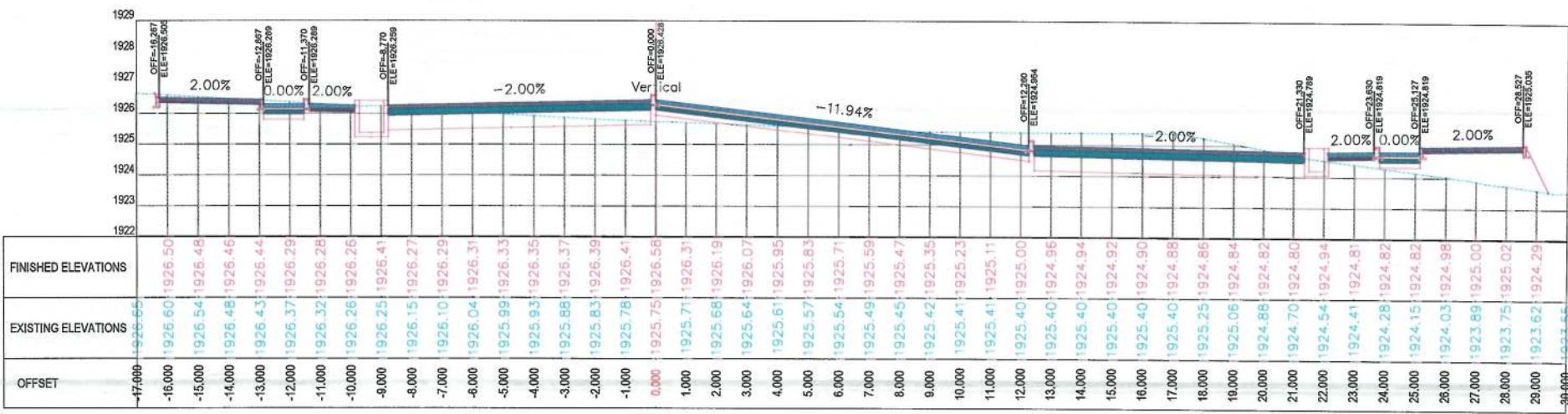
Status:
FINAL DESIGN

Project Code

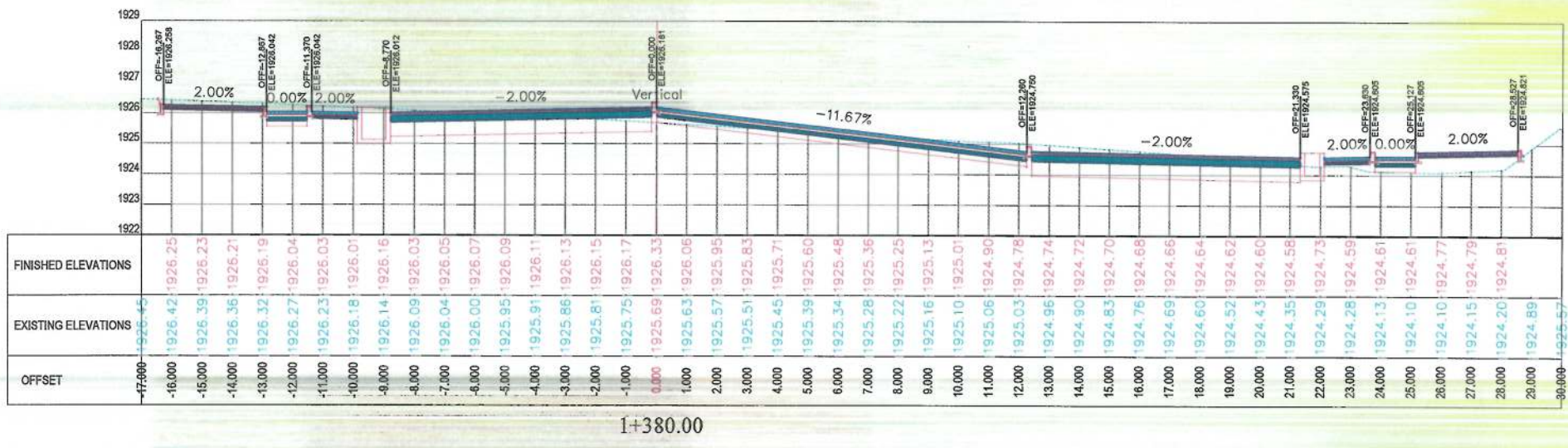
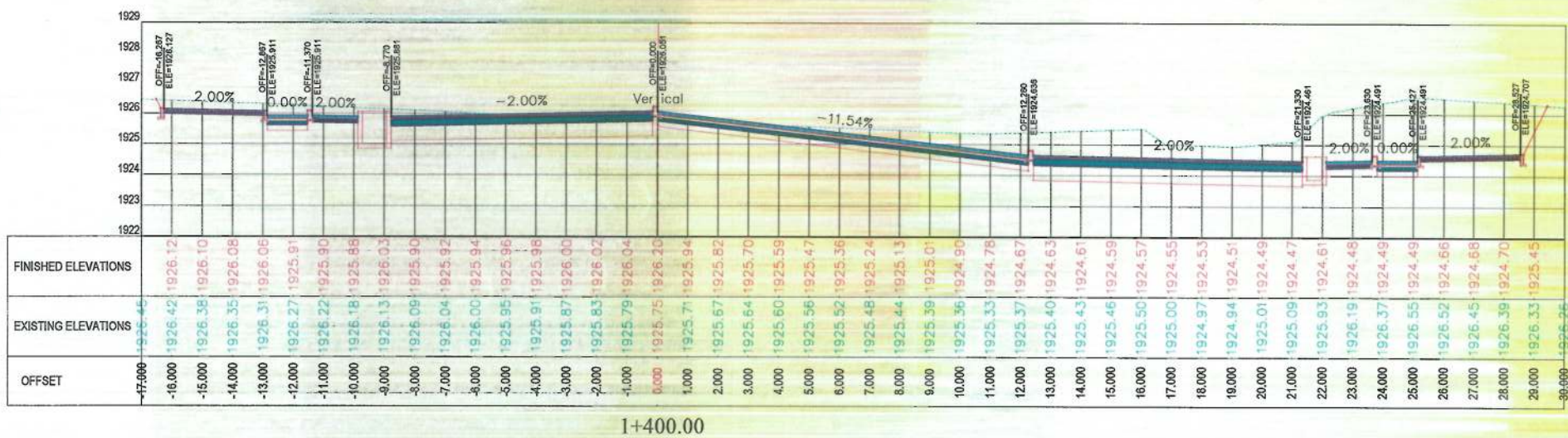
Drawing Number CS-29	Revision 00
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1+360.00



1+340.00



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: Orfani to Onuid-e-Sabz Town Connecting Road project

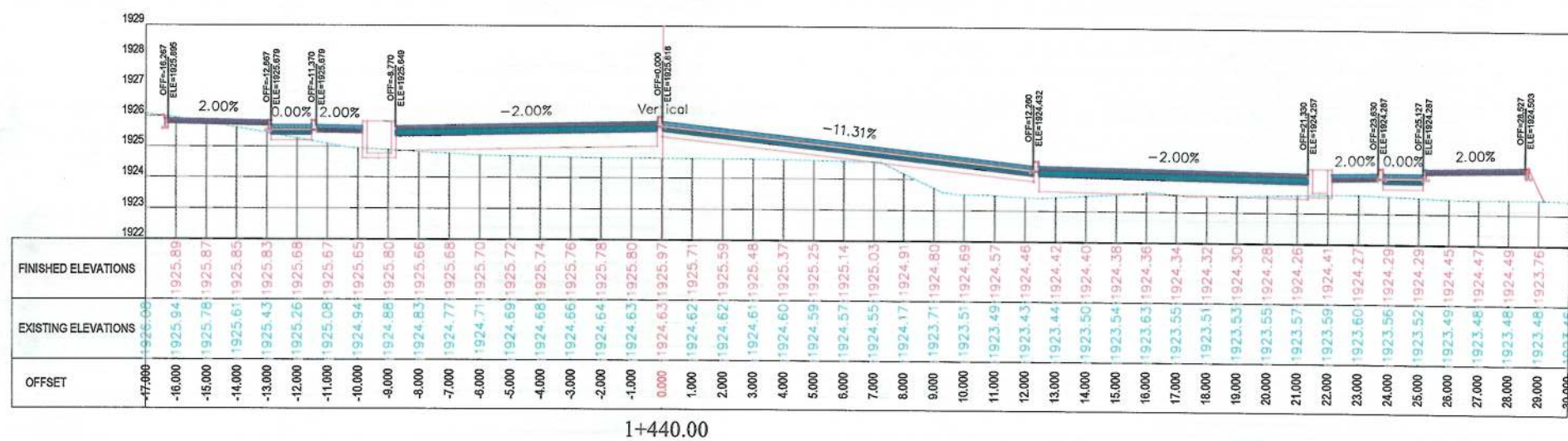
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

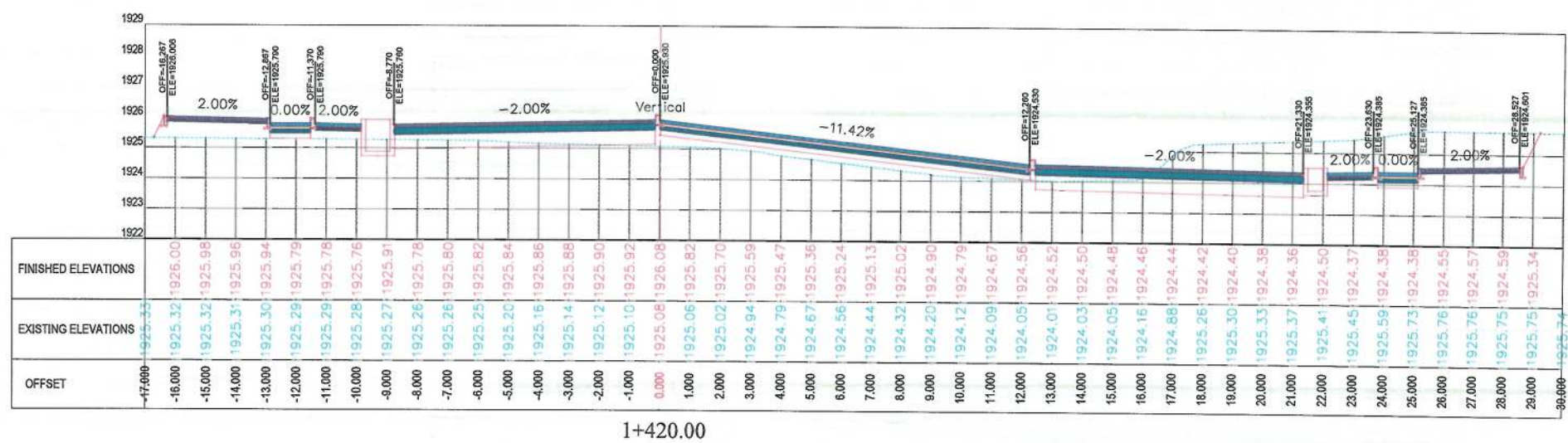
Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-30
Drawing Number: 00



1+440.00



1+420.00


	NOTE:
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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:

Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

Designed by:
Mohammad Essa Sirat

Drawn by:

Mohammad Essa Sirat
Checked by:

Checked by:
Hassibullah Shalizi

Date: 9/17/2023

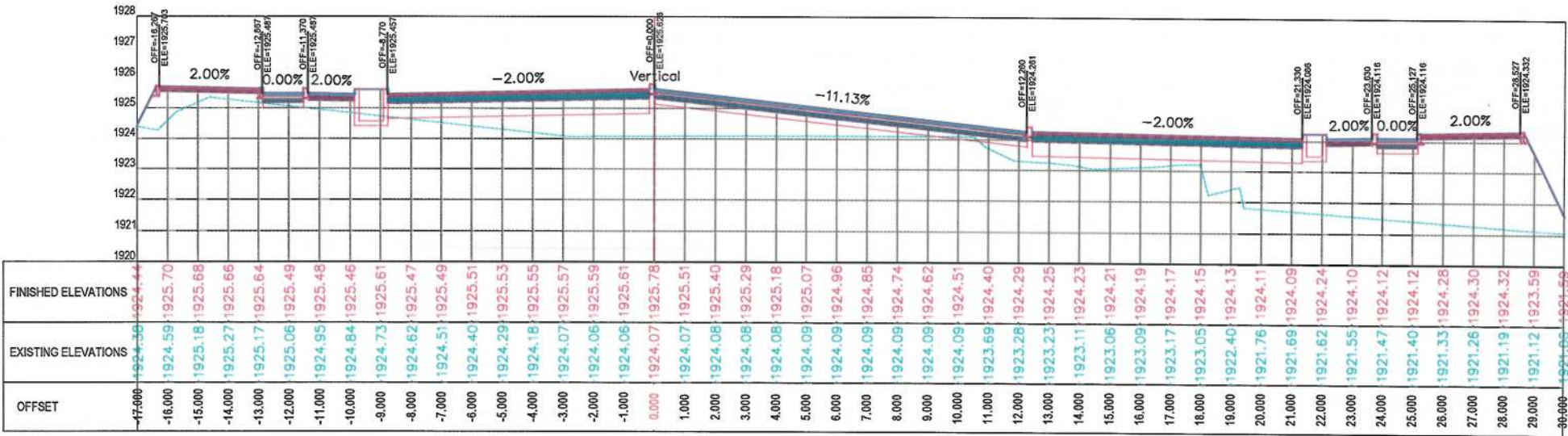
Scale: 1:200

Status:	
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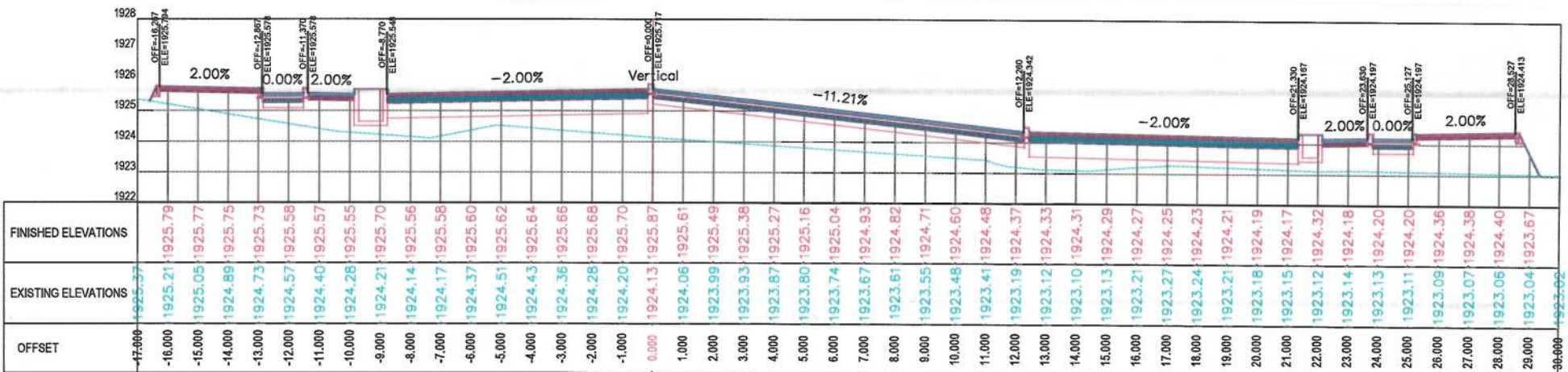
FINAL DESIGN

Project Code

CS-31	Revision 00
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1+480.00



1+460.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

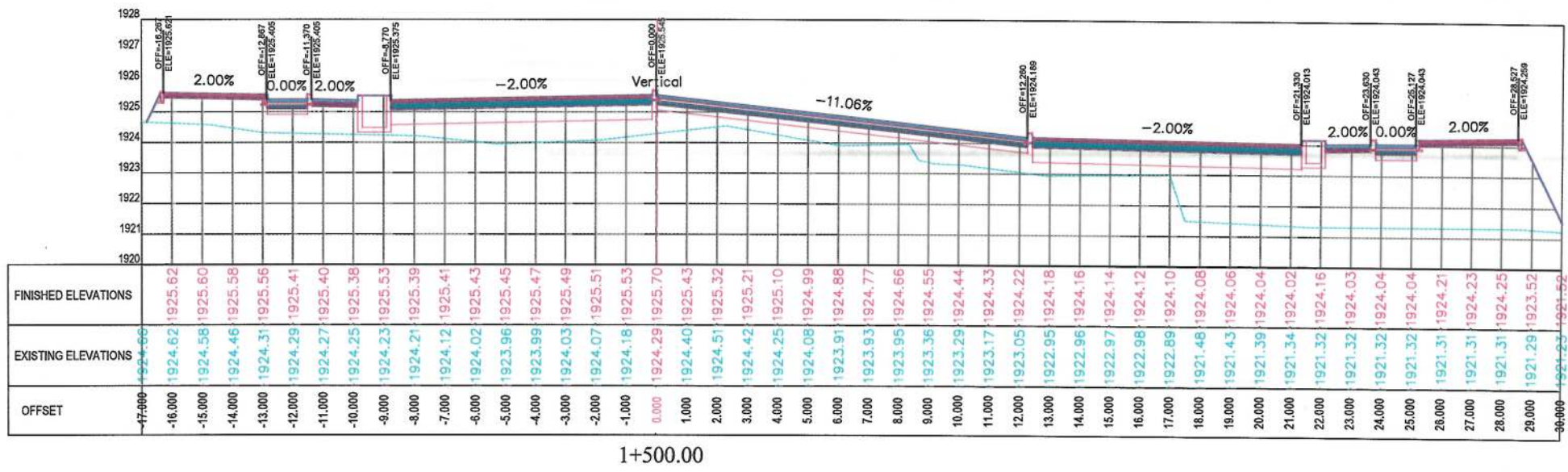
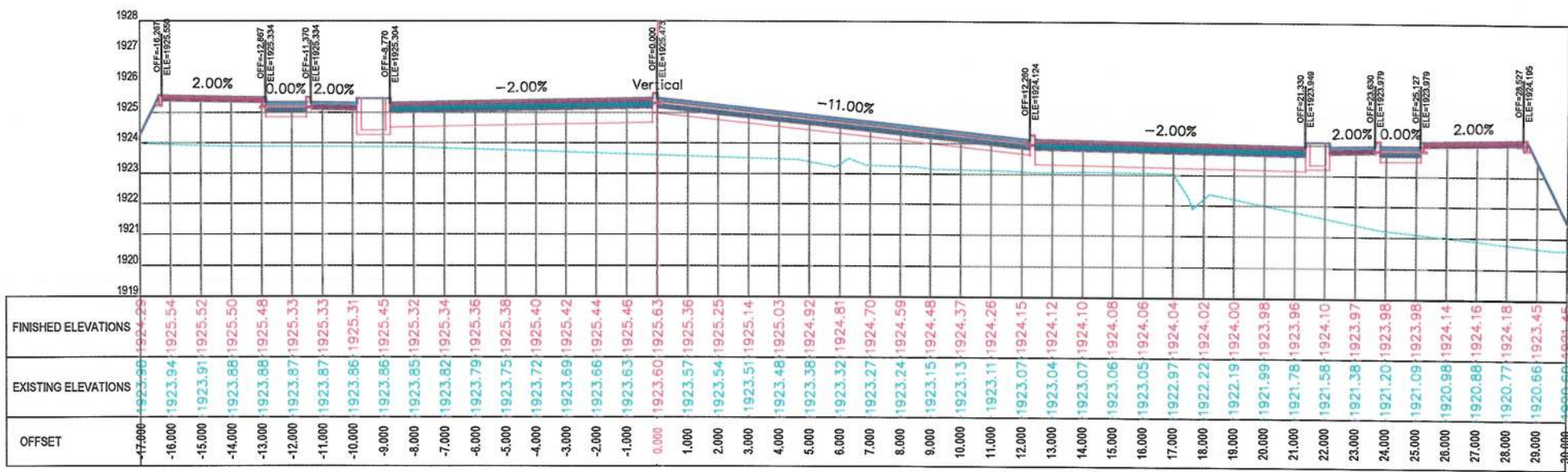
Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code
Drawing Number CS-32
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

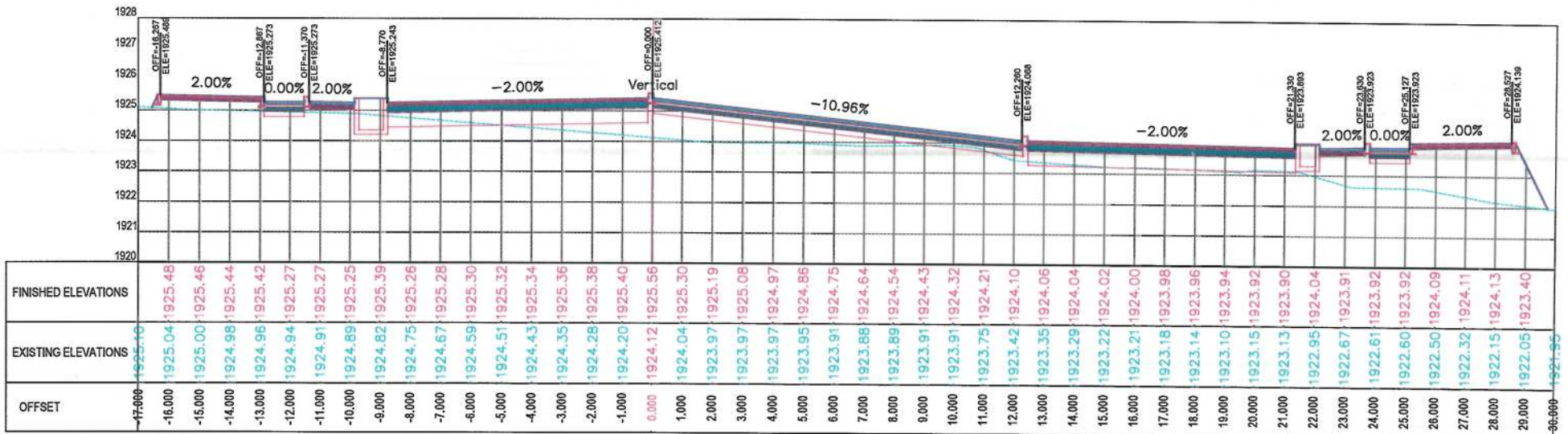
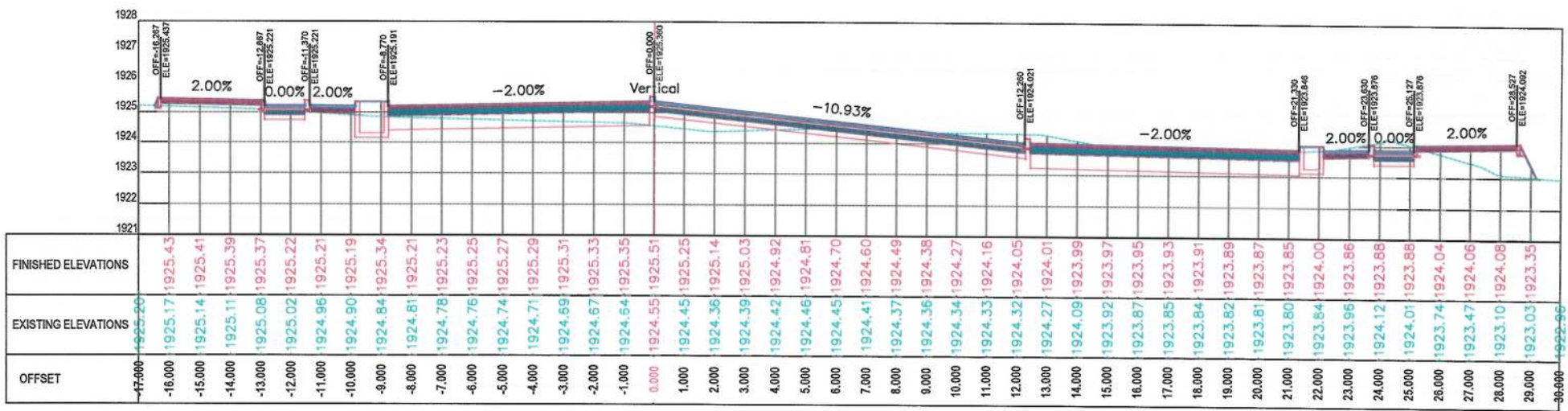
Date:
9/26/2023

Scale:
1:200

Status:
FINAL DESIGN

Project Code

Drawing Number CS-33	Revision 00
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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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Habibullah Shalizi	Signature:

Date: 9/26/2023	Scale: 1:200
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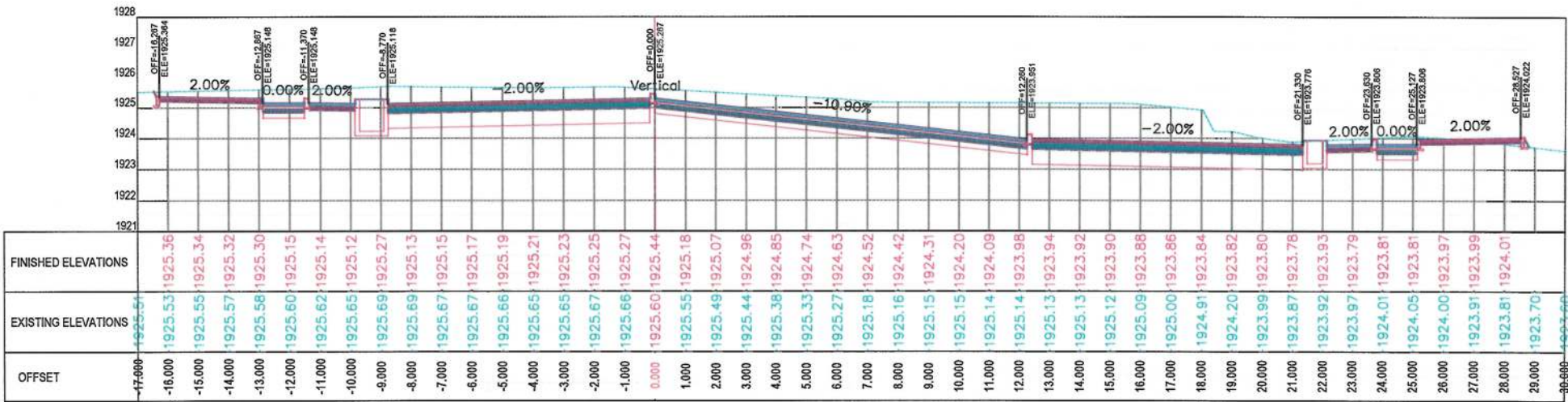
Status:
FINAL DESIGN

Project Code

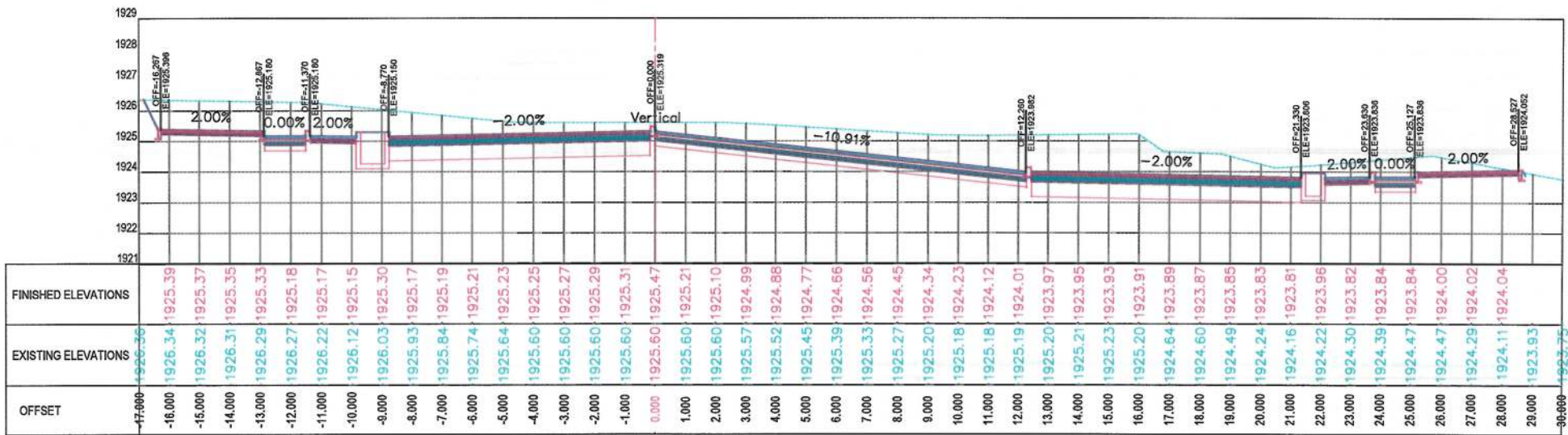
Drawing Number CS-34	Revision 00
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NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



1+600.00



1+580.00

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
CROSS SECTIONS
(Main Alignment)

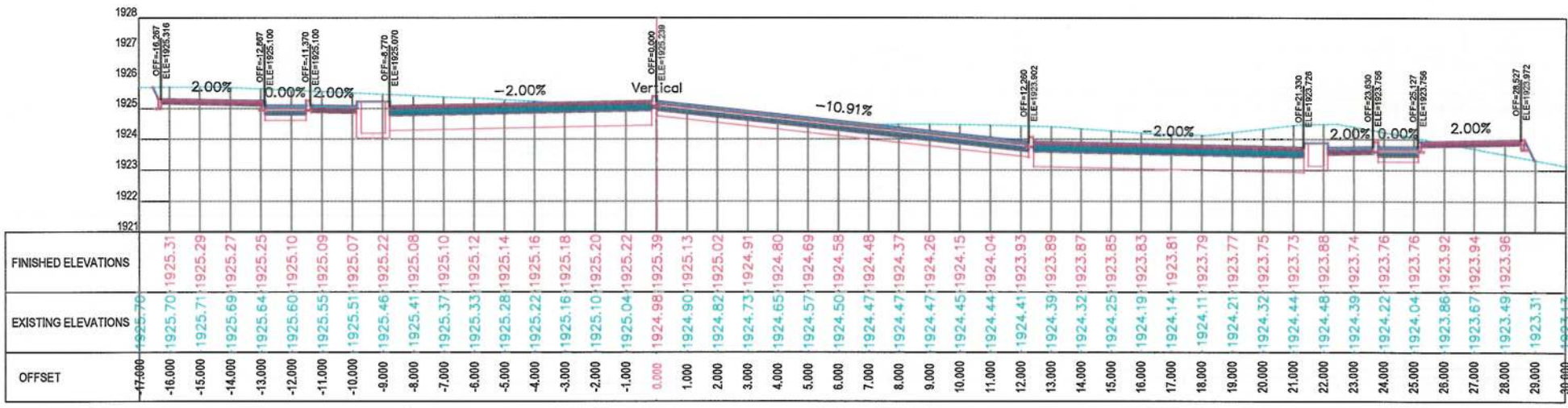
Designed by:
Mohammad Essa Sirat
Signature: [Signature]
Drawn by:
Mohammad Essa Sirat
Signature: [Signature]
Checked by:
Hasibullah Shalizi
Signature: [Signature]

Date:
9/26/2023
Scale:
1:200

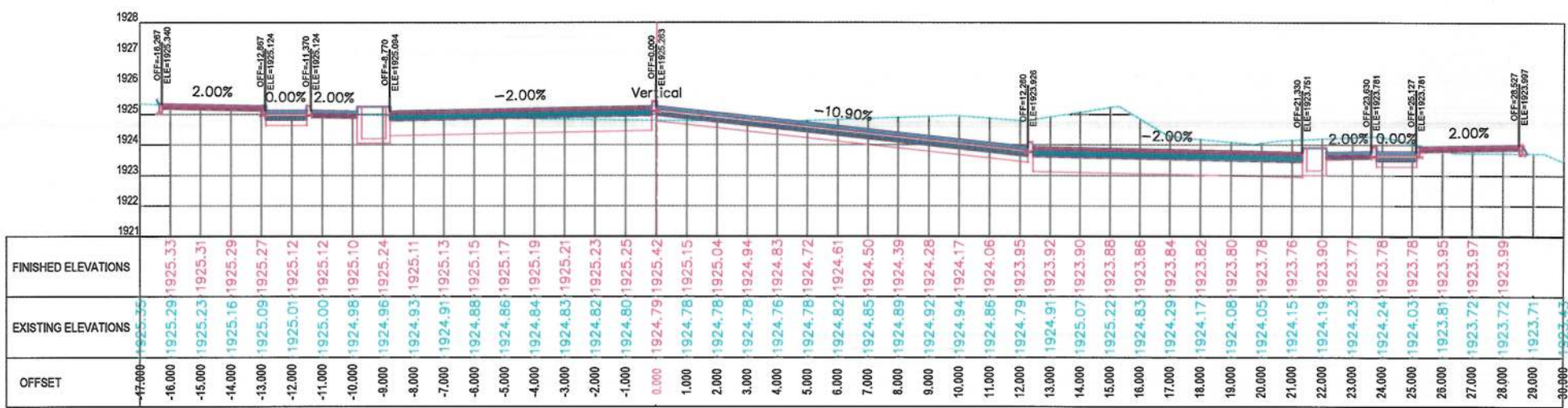
Status:
FINAL DESIGN

Project Code

Drawing Number
CS-35
Revision
00



1+640.00



1+620.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

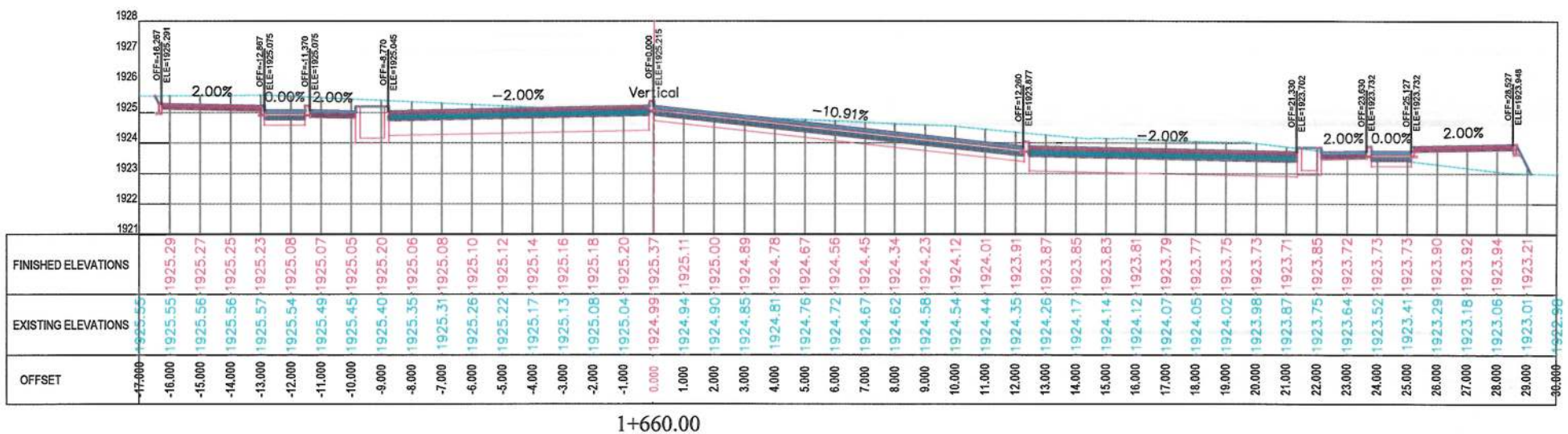
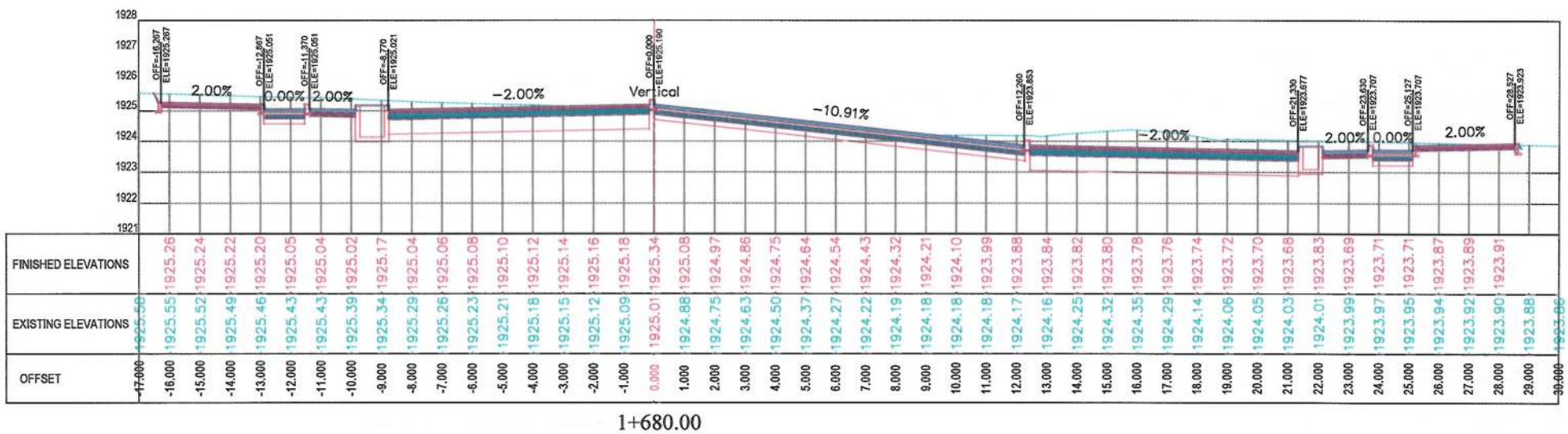
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hashibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-36
Drawing Number: CS-36
Revision: 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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirt	Signature:
Drawn by: Mohammad Essa Sirt	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/26/2023	Scale: 1:200
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Status:
FINAL DESIGN

Project Code

Drawing Number CS-37	Revision 00
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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:
Orfani to Omid-e-Sabz Town
Connecting Road project

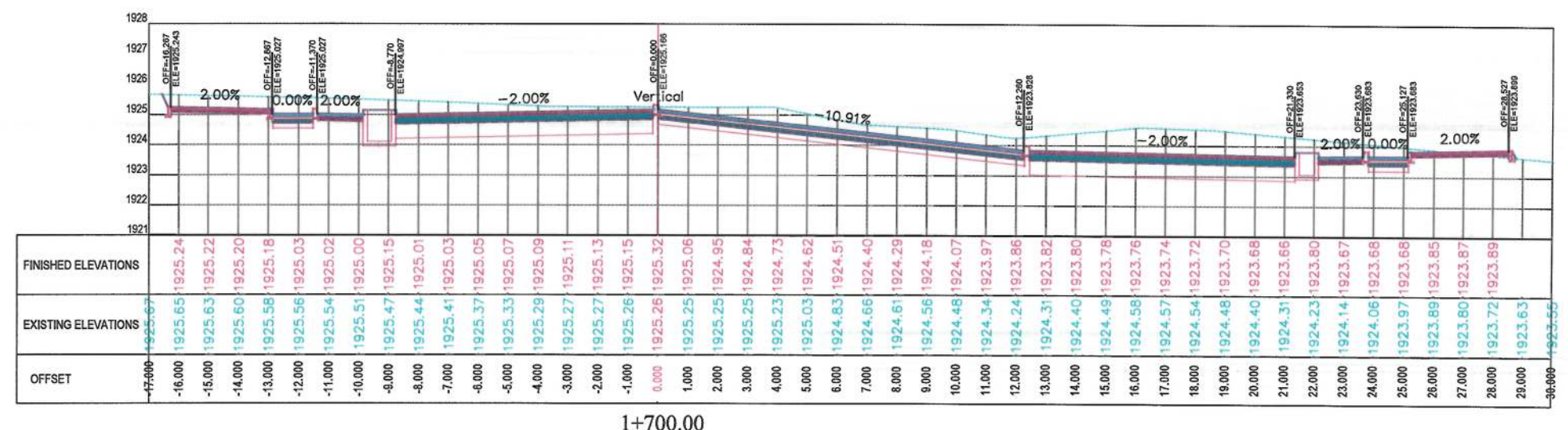
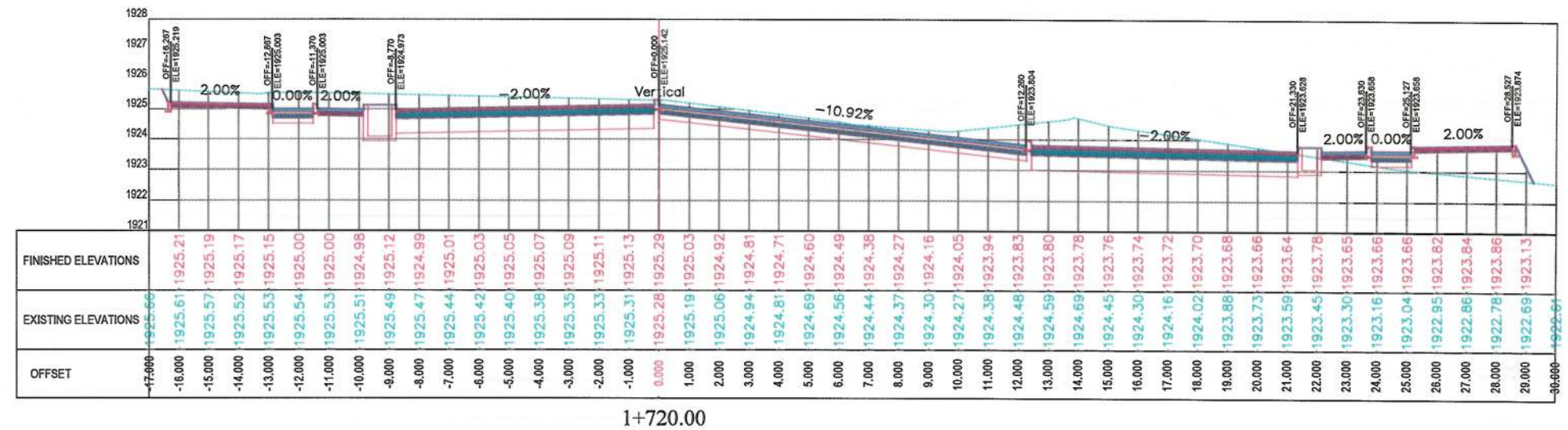
Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

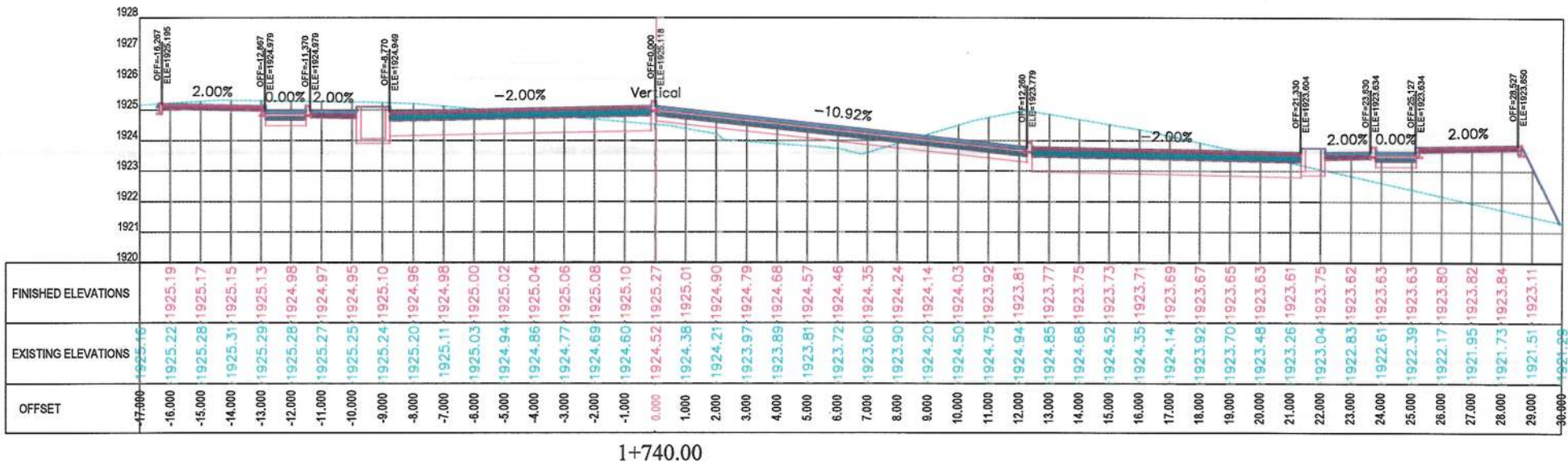
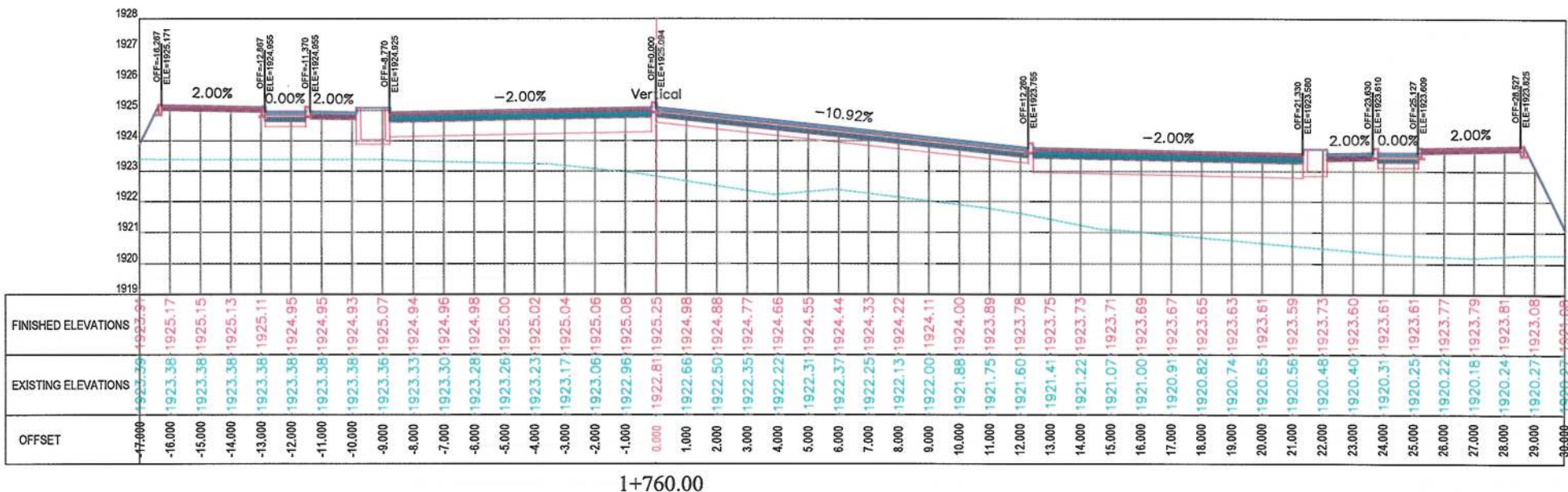
Designed by: Signature:
Drawn by: Signature:
Checked by: Signature:

Date: 9/26/2023 Scale: 1:200

Status: **FINAL DESIGN**

Project Code
Drawing Number CS-38 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:

Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

Designed by:

Signature: _____

Mohammed Essa Sirat

at	
----	--

Drawn by:
Mohammed Essa Sirat

Signature: _____

Checked by:

Signature: _____

Date: 9/26/2023

Scale: 1:200

Status	
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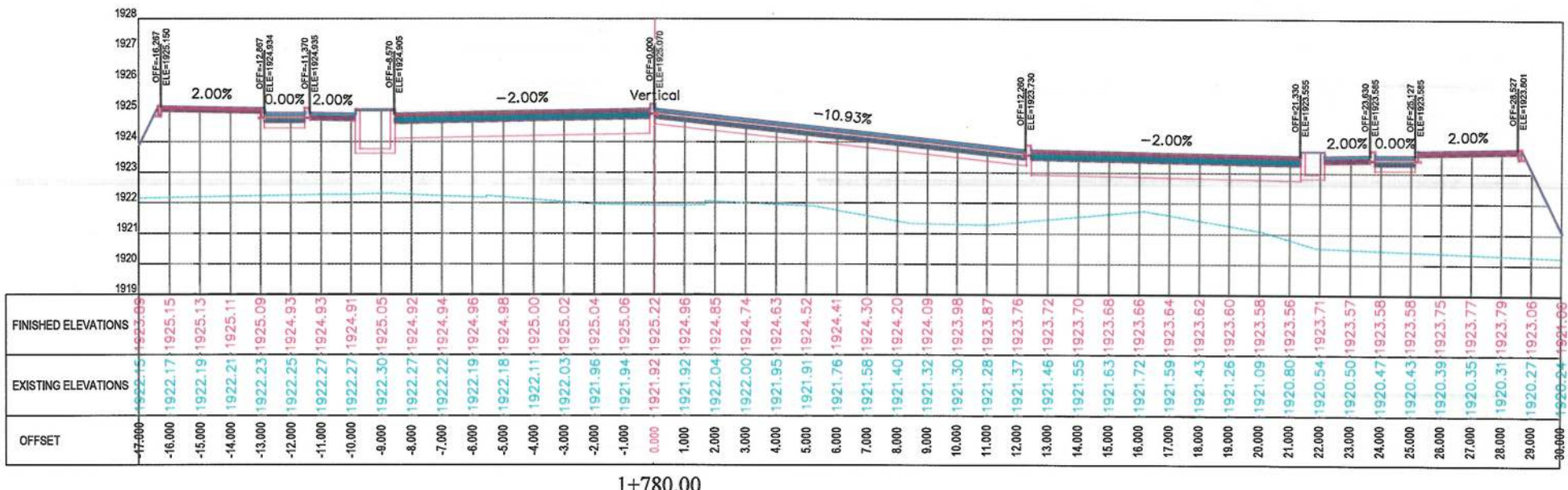
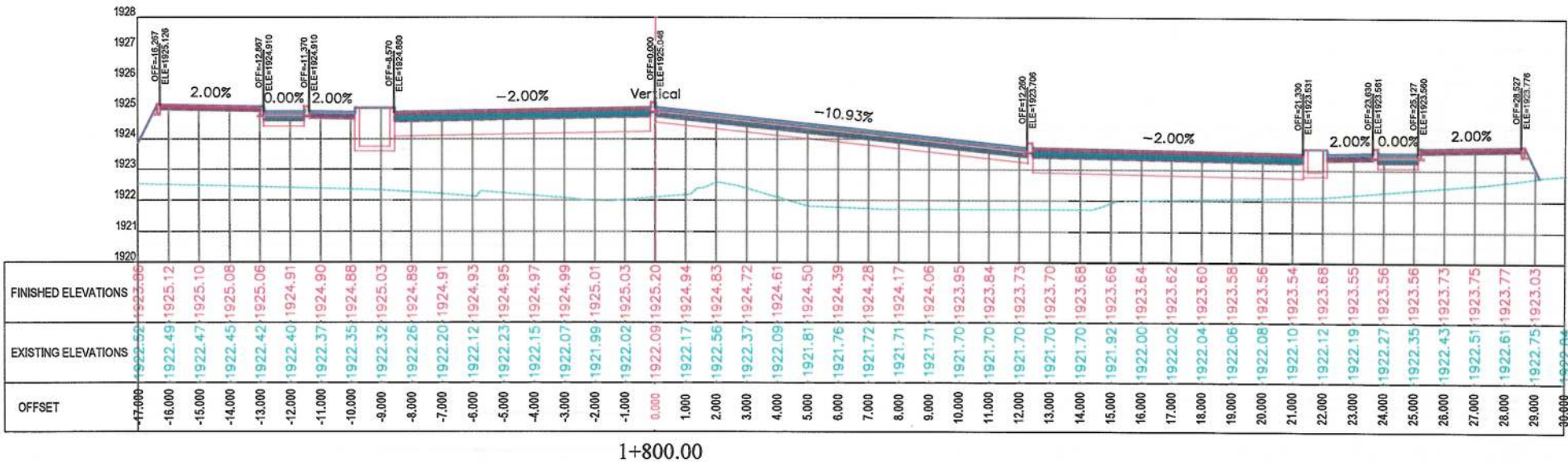
FINAL DESIGN

Project Code

CS-39

Revision

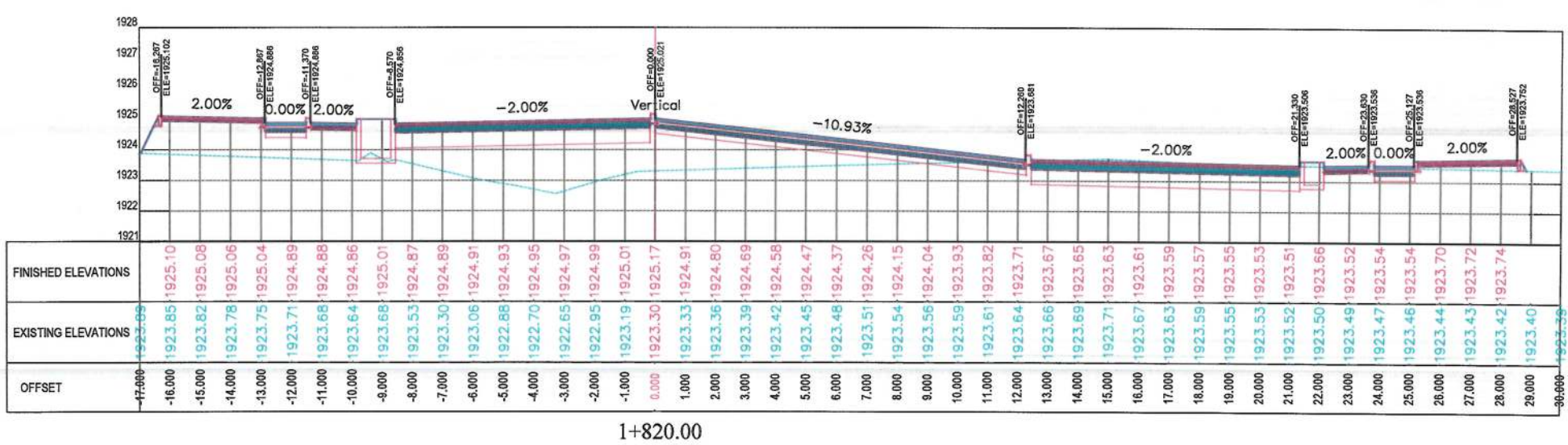
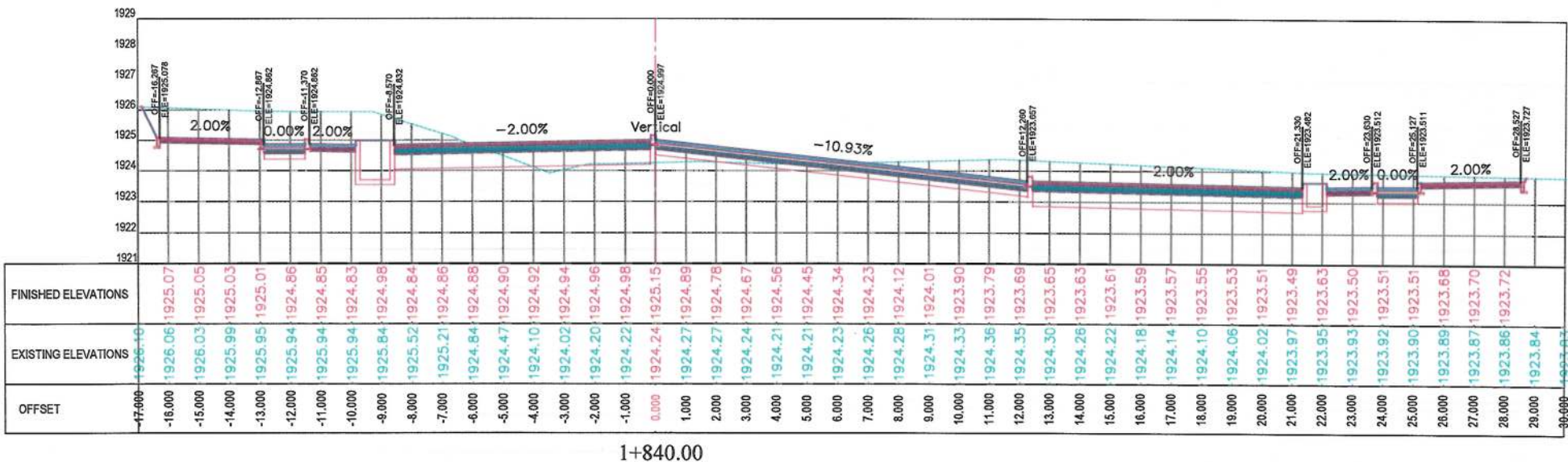
00



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

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

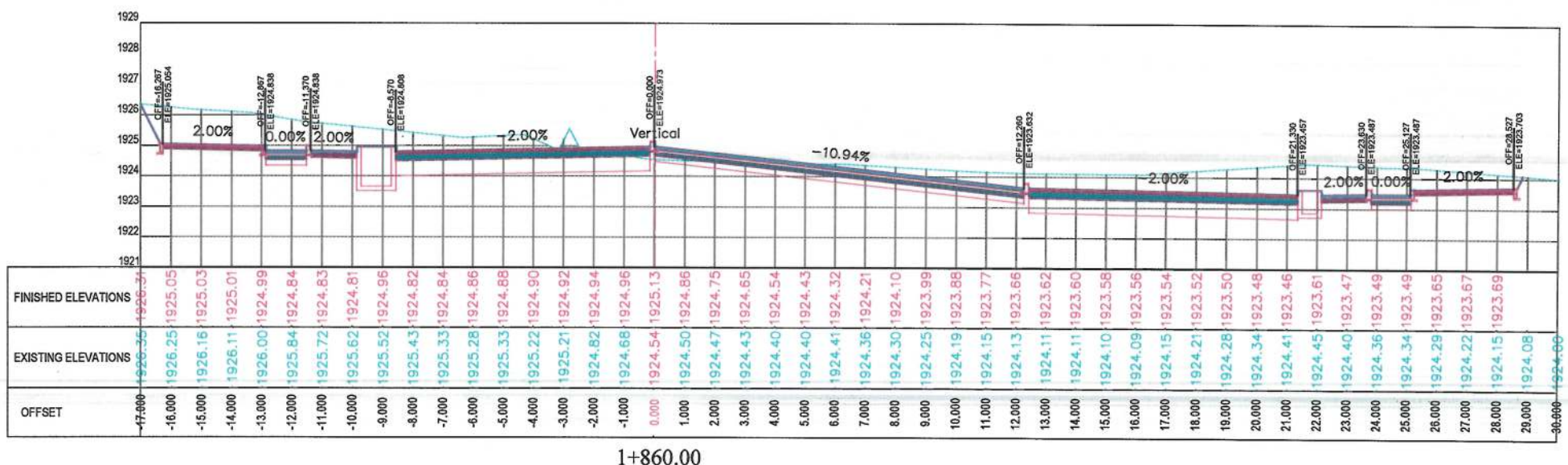
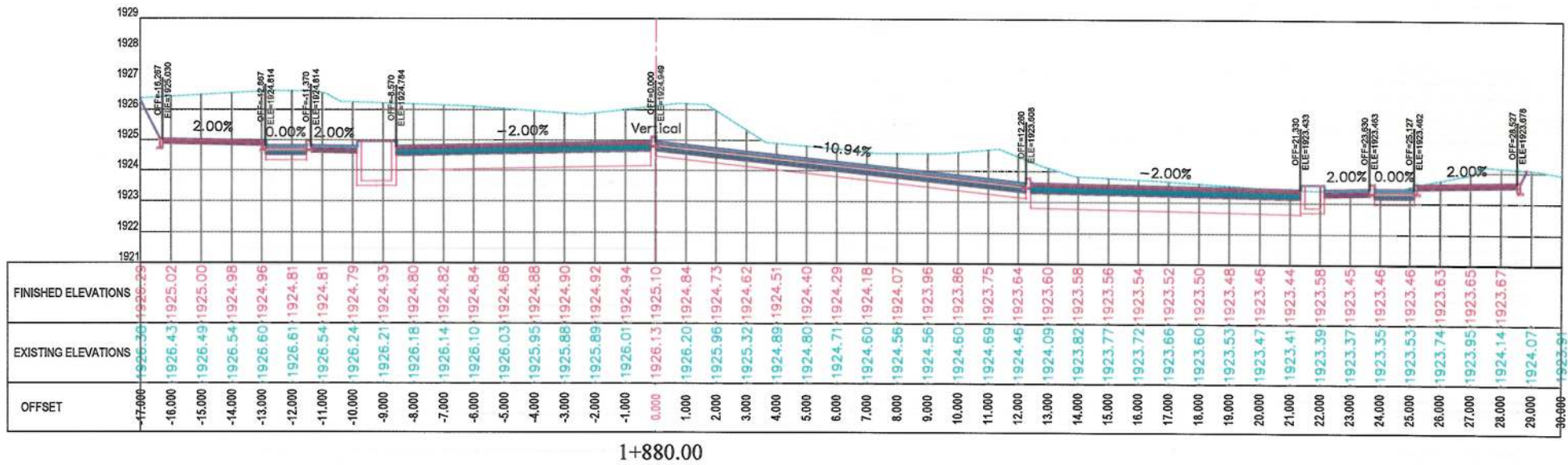
ISLAMIC EMIRATE OF AFGHANISTAN
Client: KABUL MUNICIPALITY
Designed by: KABUL MUNICIPALITY DESIGN TEAM
Project Name: Orfani to Omid-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
Drawing Number: CS-40
Revision: 00



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

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

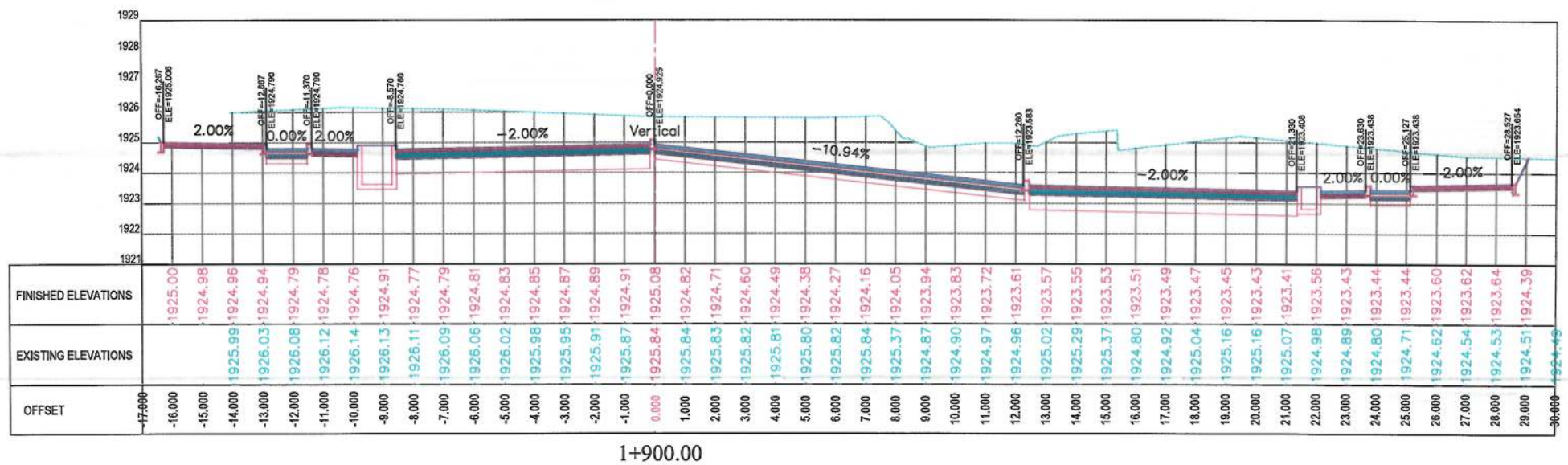
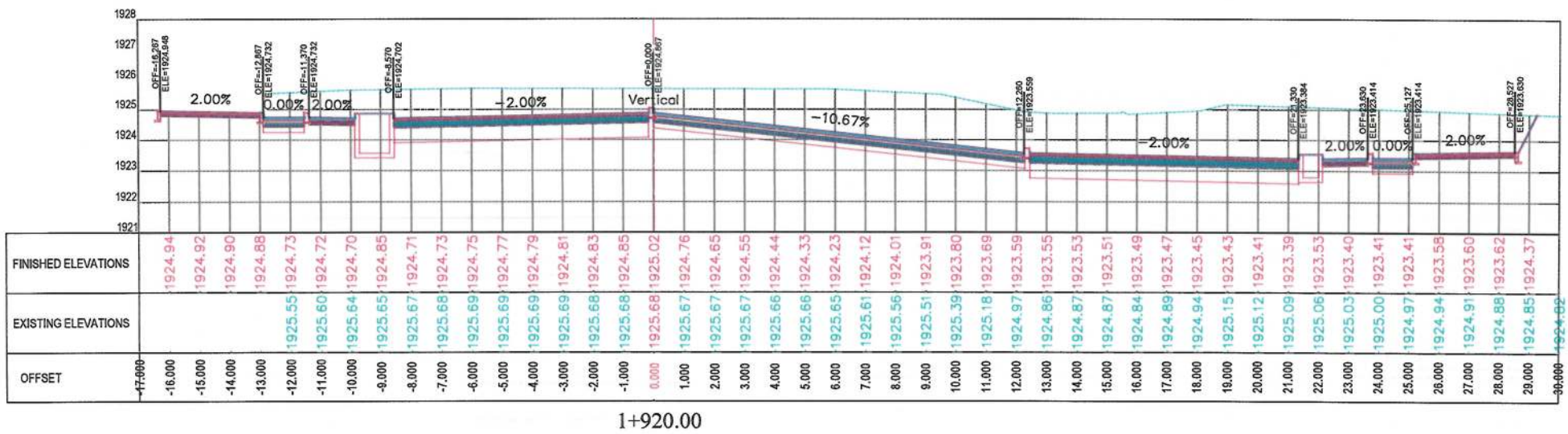
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
KABUL MUNICIPALITY DESIGN TEAM
Orfani to Omid-e-Subz Town Connecting Road project
CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirt
Drawn by: Mohammad Essa Sirt
Checked by: Hasibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code
Drawing Number: CS-41
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
KABUL MUNICIPALITY DESIGN TEAM
Orfani to Omid-e-Sahz Town Connecting Road project
CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code
Drawing Number: CS-42
Revision: 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: Orfani to Omid-e-Subz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

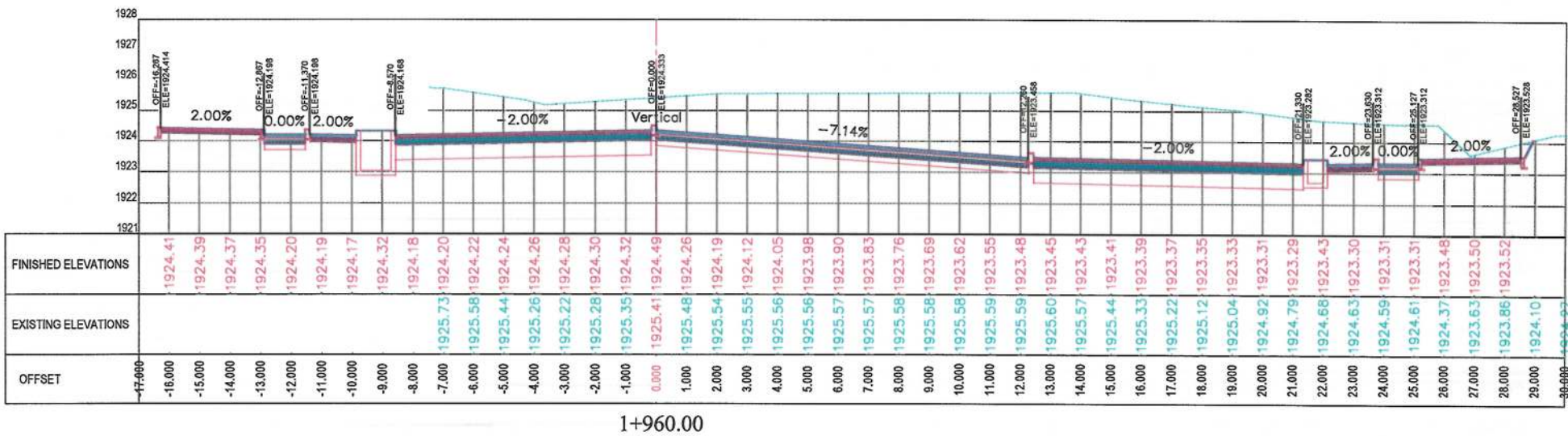
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

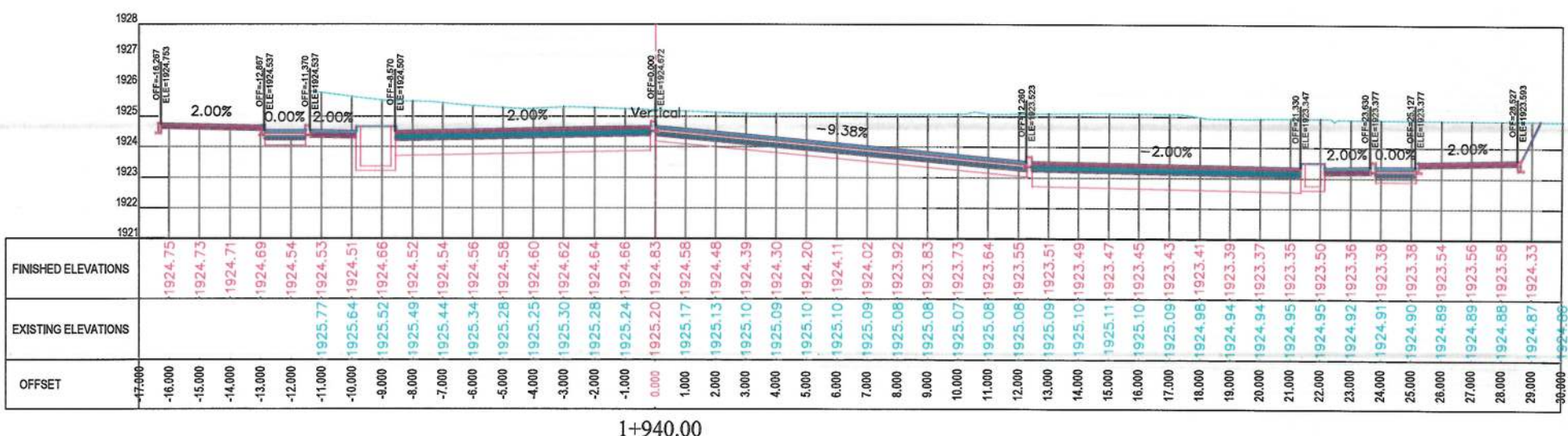
Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: [Blank]
Drawing Number: CS-43
Revision: 00



1+960.00

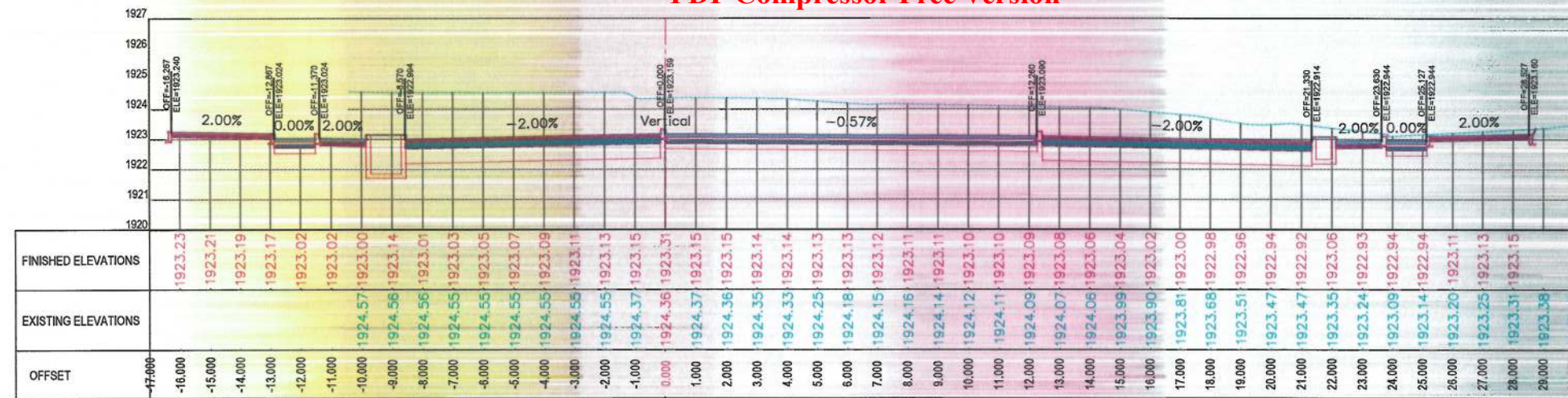


1+940.00

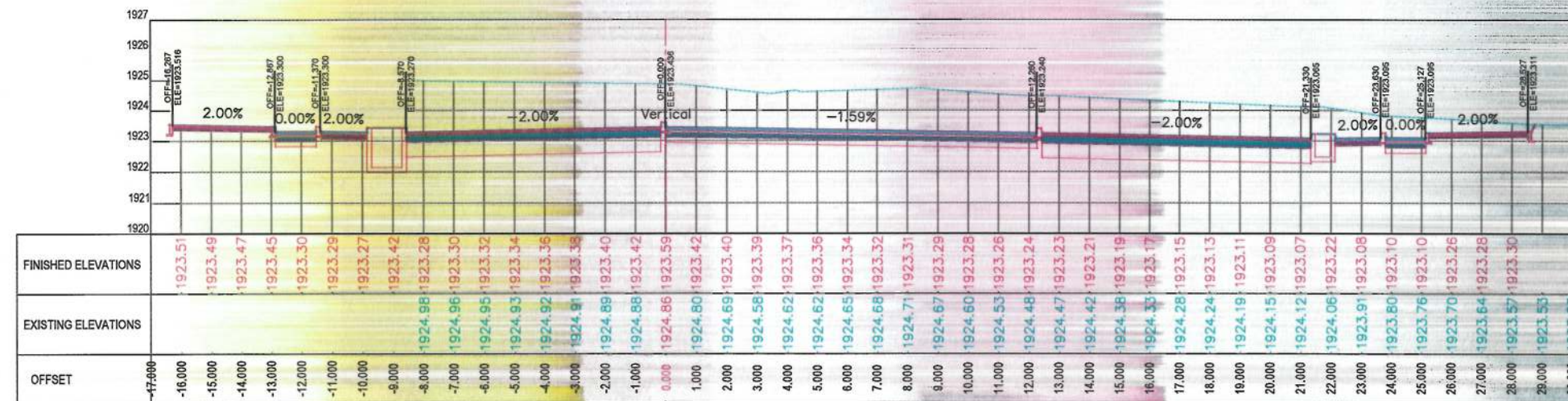
NOTE:
1. All dimensions are in meters unless otherwise indicated.

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

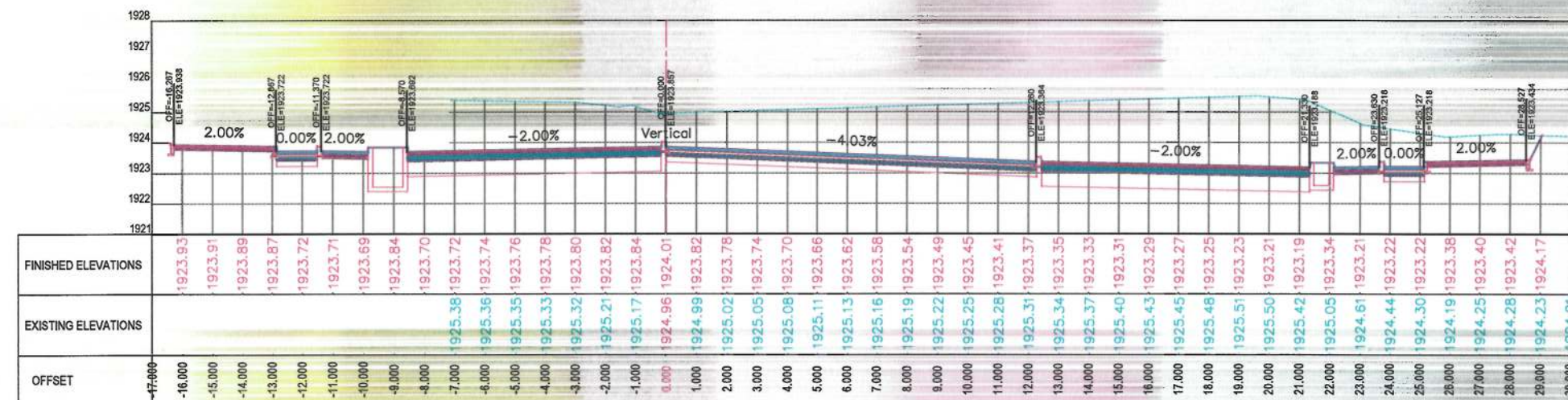
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
KABUL MUNICIPALITY DESIGN TEAM
Orfani to Omid-e-Sabz Town Connecting Road project
CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code
Drawing Number CS-44
Revision 00



2+020.00



2+000.00

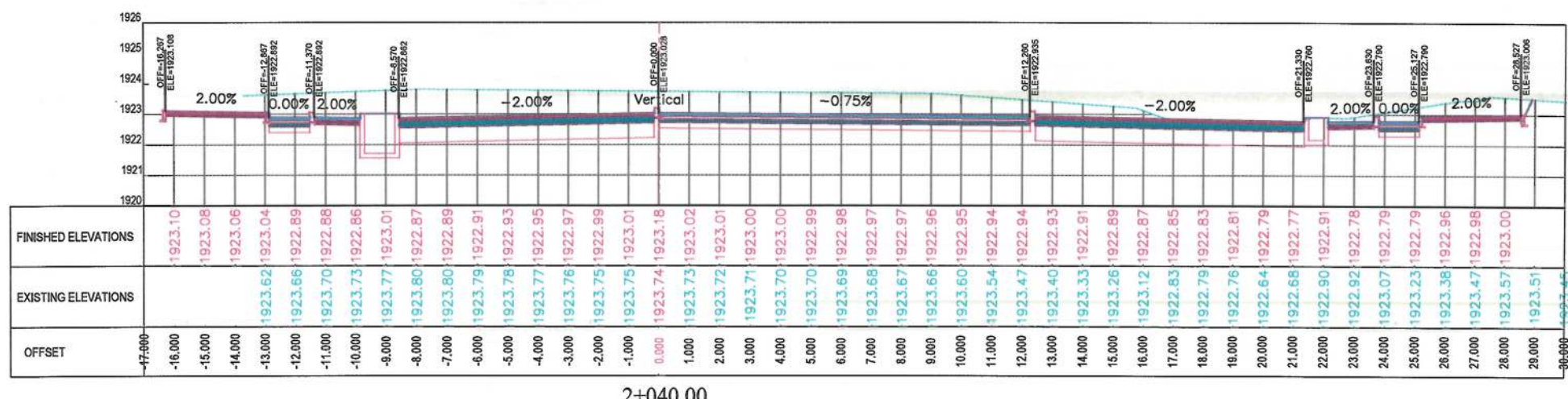
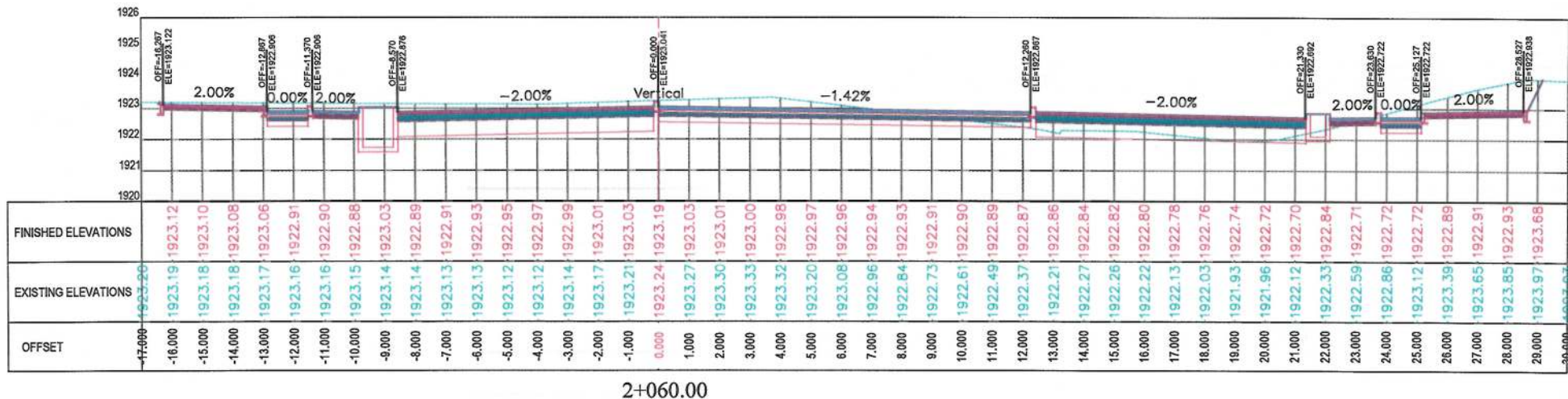


1+980.00

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: Orfani to Omid-e-Sahz Town Connecting Road project
 Drawing Title: CROSS SECTIONS (Main Alignment)
 Designed by: Mohammad Essa Surt
 Drawn by: Mohammad Essa Surt
 Checked by: Habibullah Shalizi
 Date: 9/26/2023
 Scale: 1:200
 Status: FINAL DESIGN
 Project Code: CS-45
 Drawing Number: CS-45
 Revision: 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: Orfani to Omid-e-Sabz Town Connecting Road project

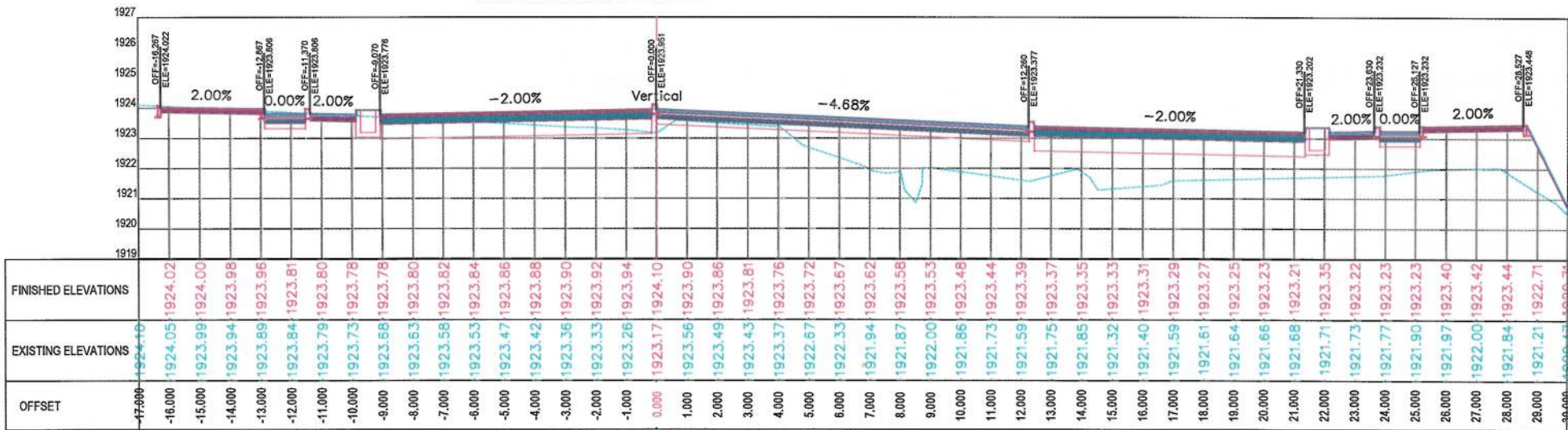
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

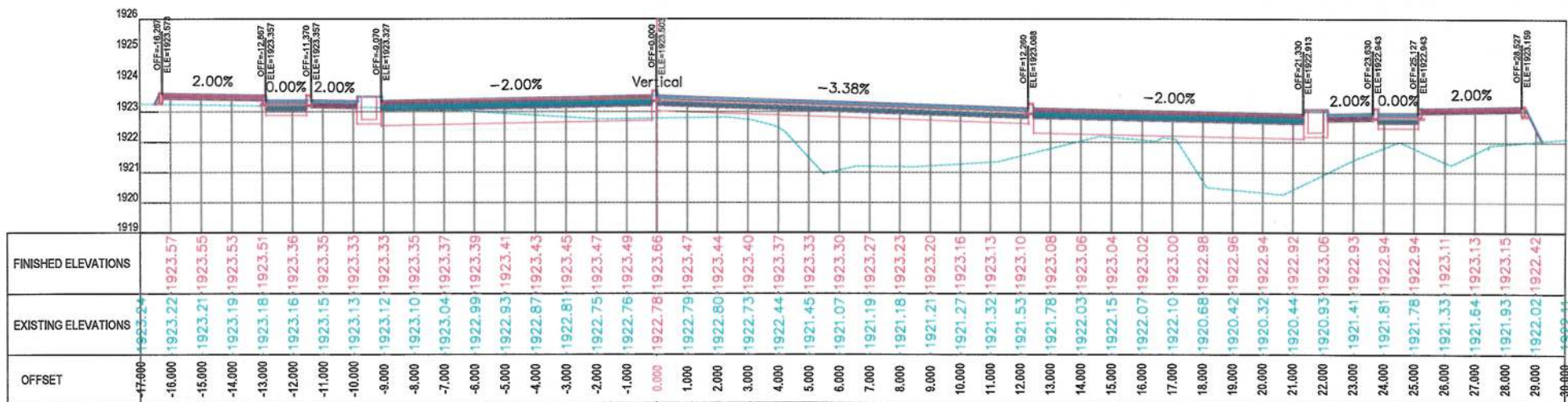
Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

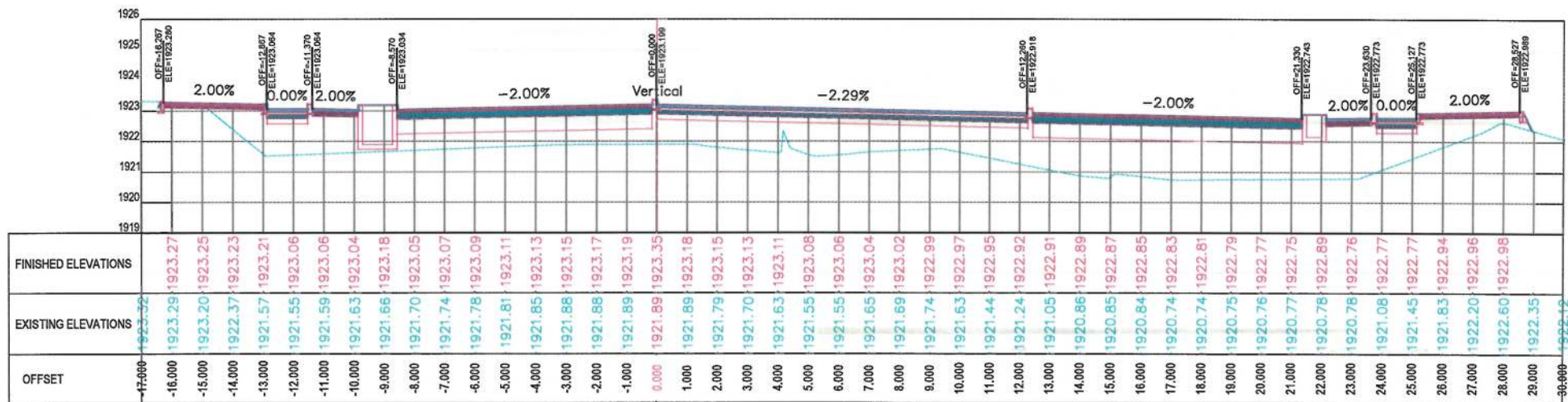
Project Code: CS-46
Drawing Number: 00



2+120.00



2+100.00



2+080.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

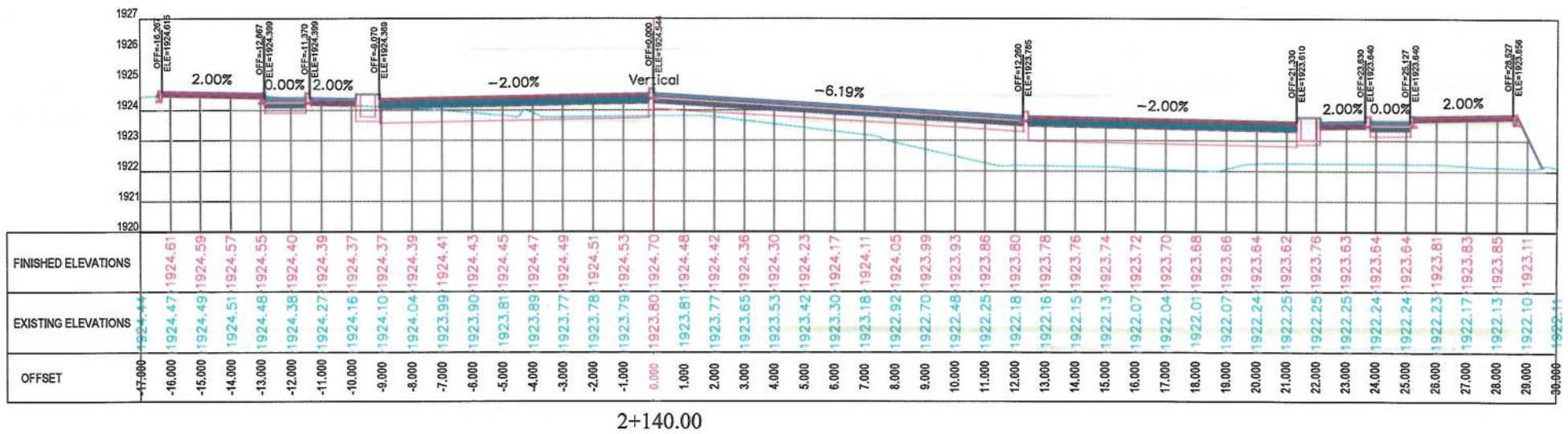
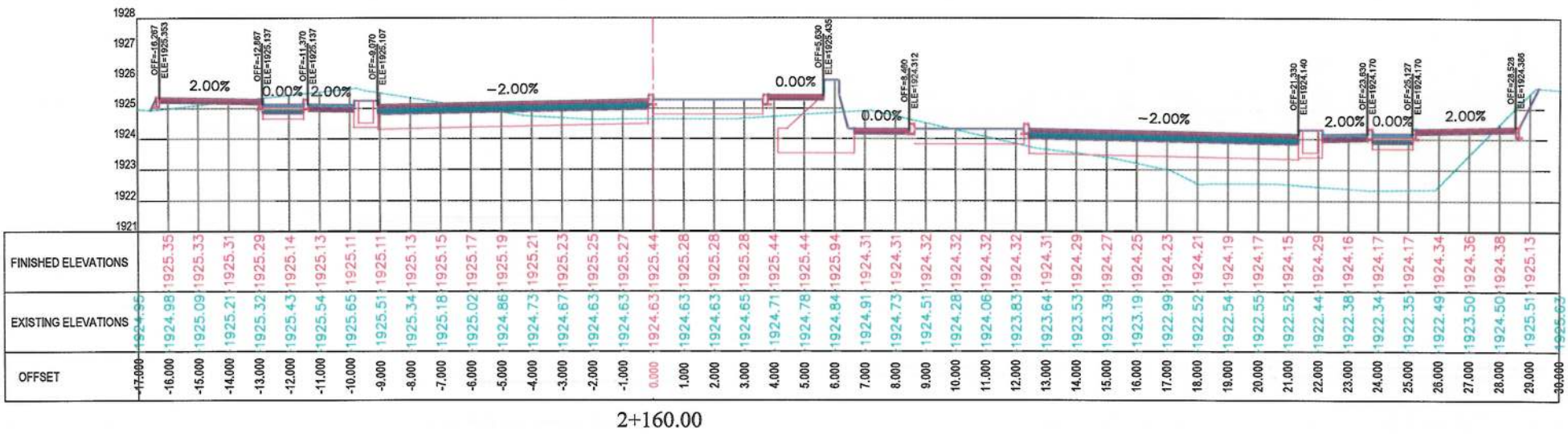
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hamidullah Shalizi

Date: 9/26/2023
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

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz Town Connecting Road project

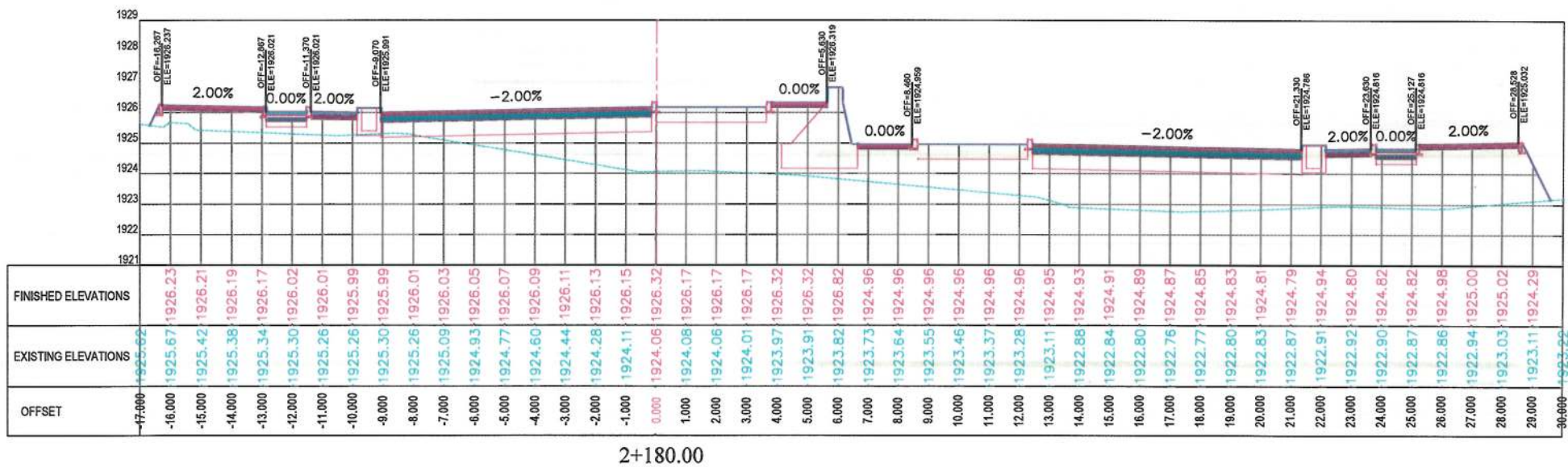
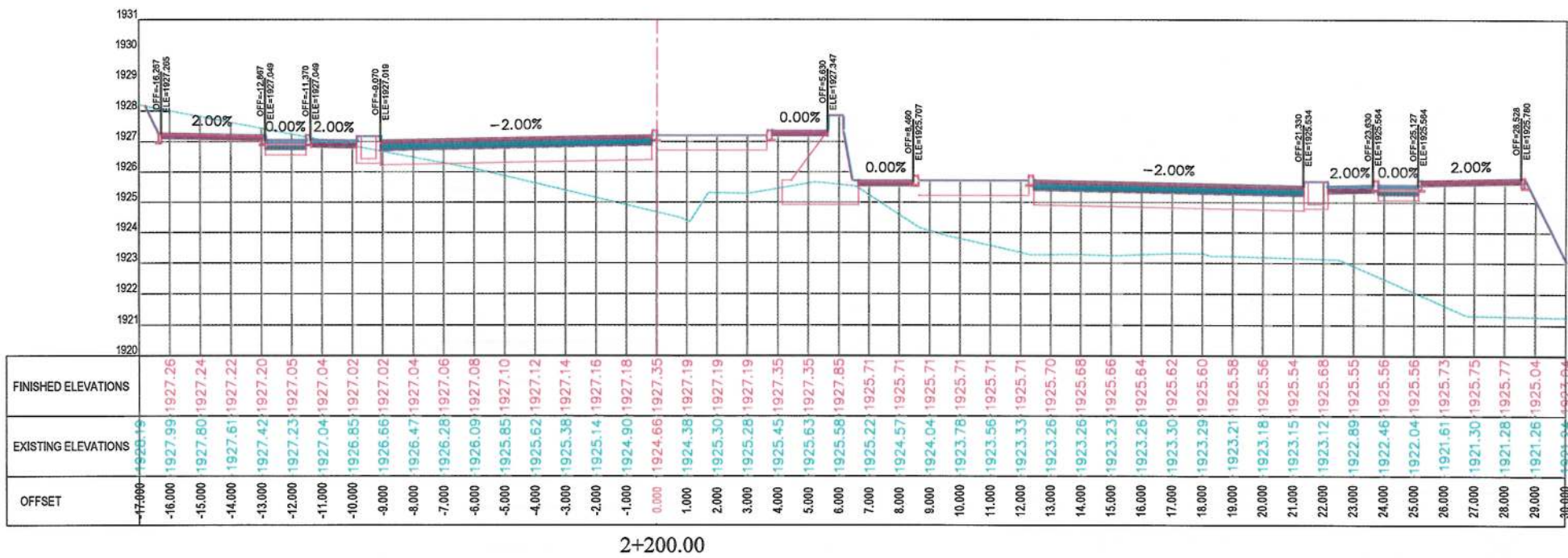
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-48
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

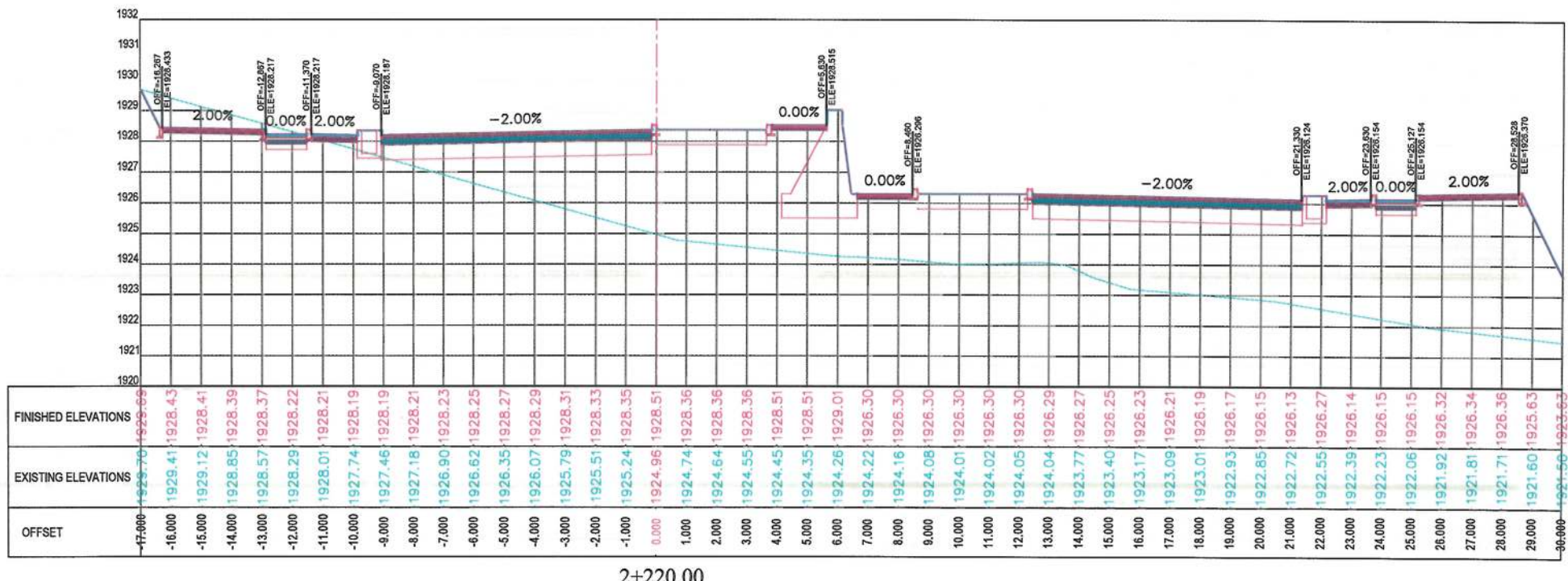
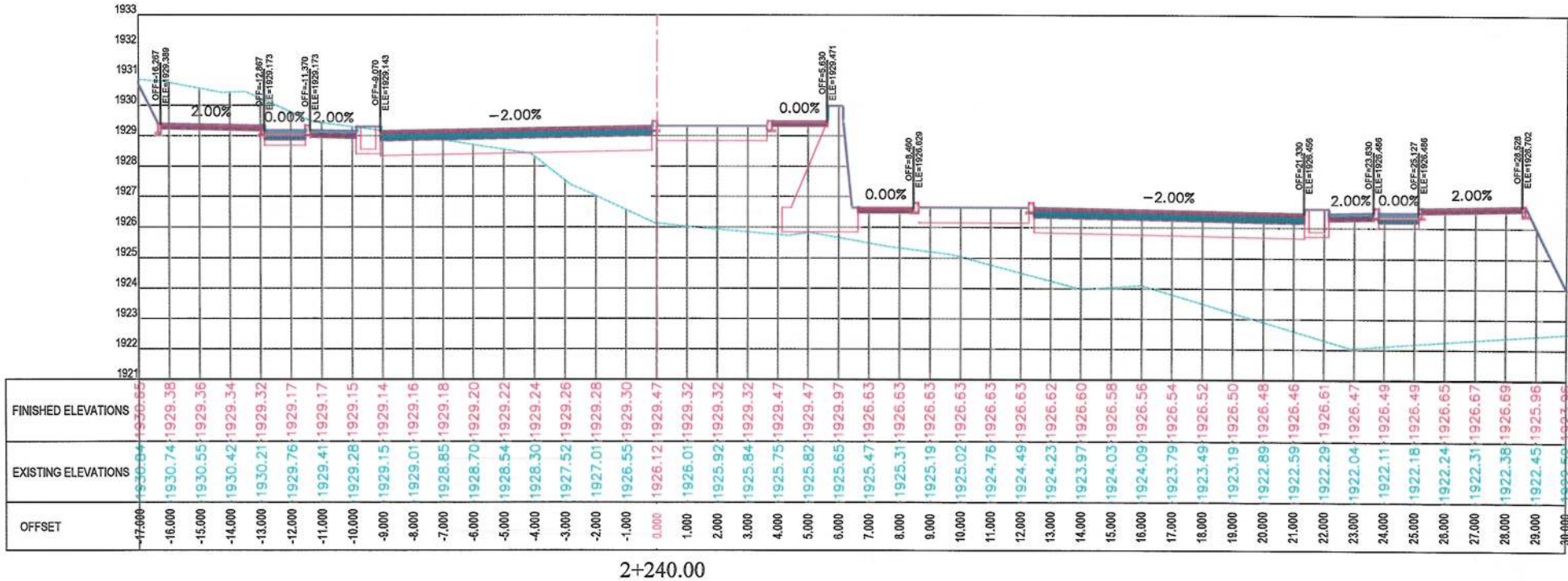
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

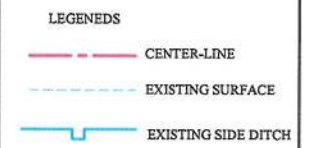
Drawing Number: CS-49
Revision: 00



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

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
KABUL MUNICIPALITY DESIGN TEAM
Orfani to Omid-e-Sabz Town Connecting Road project
CROSS SECTIONS (Main Alignment)
Designed by: Mohammed Essa Sirat
Drawn by: Mohammed Essa Sirat
Checked by: Hasibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code
Drawing Number: CS-50
Revision: 00

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed by:
**KABUL MUNICIPALITY
DESIGN TEAM**

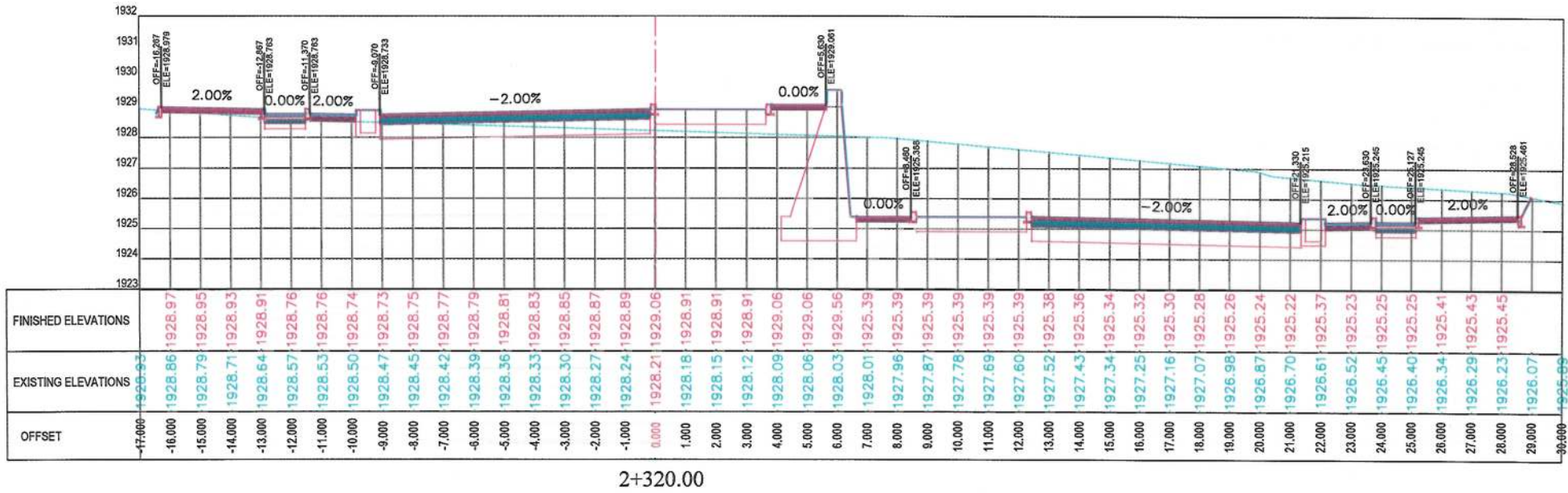
Drawing Title:

Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

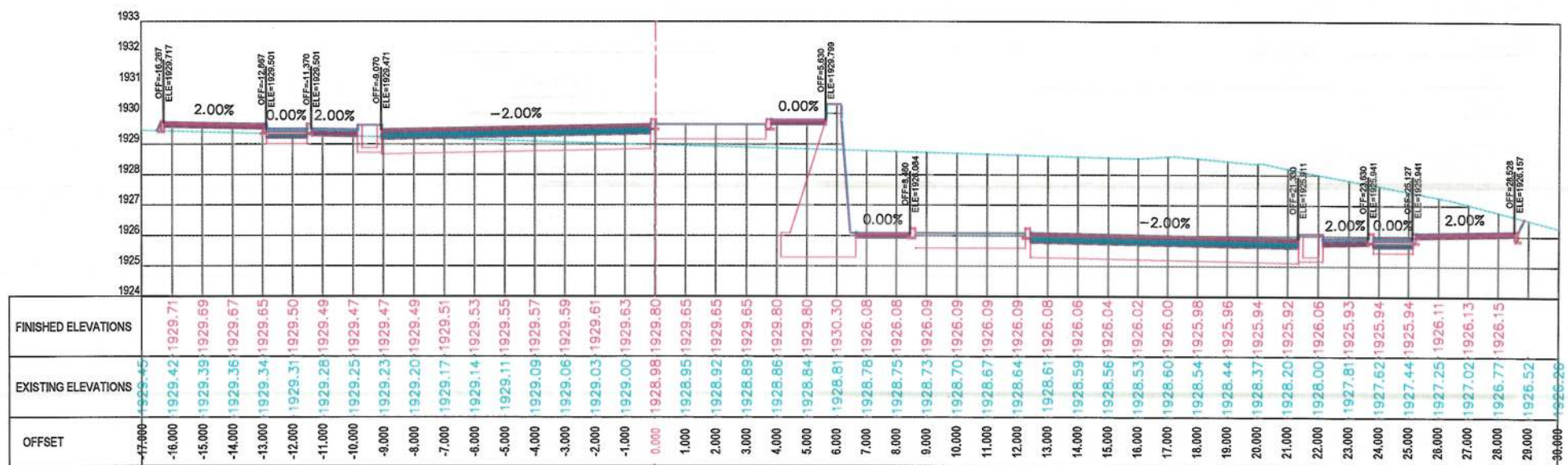
Status:	FINAL DESIGN
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Drawing Number	Revision
CS-51	00



2+320.00



2+300.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

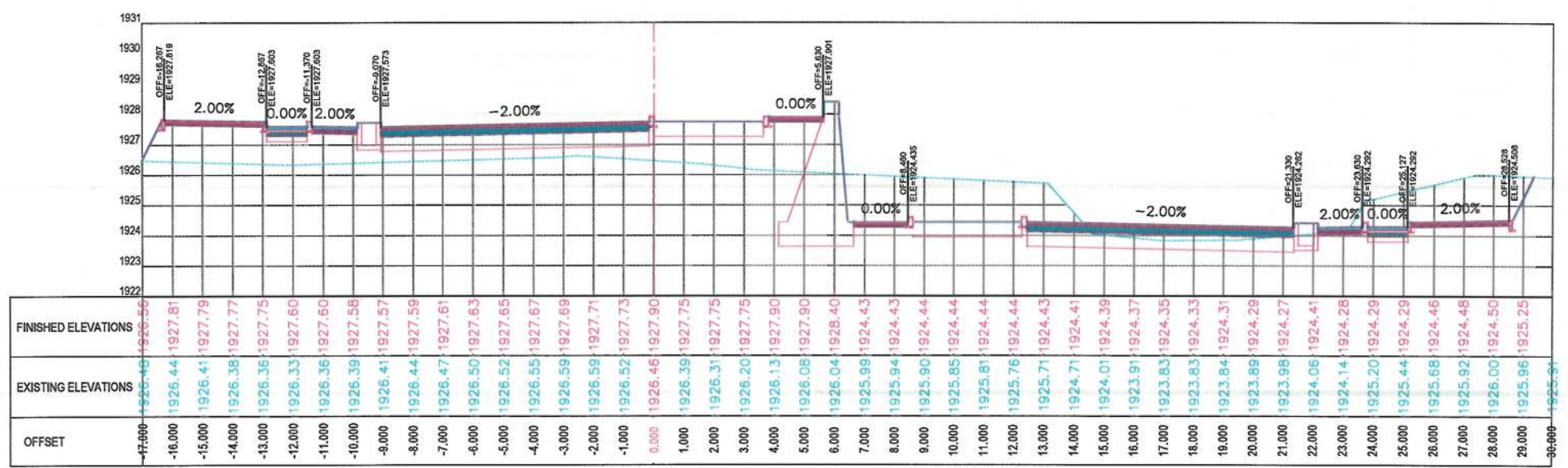
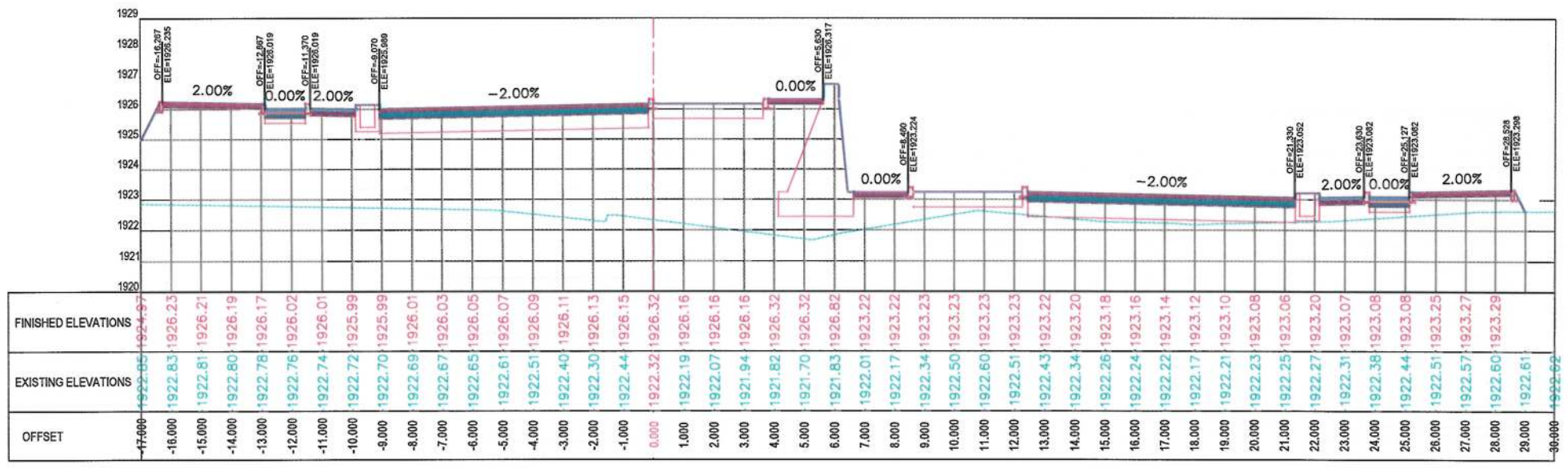
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-52
Drawing Number: CS-52
Revision: 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: Orfani to Omid-e-Sabz Town Connecting Road project

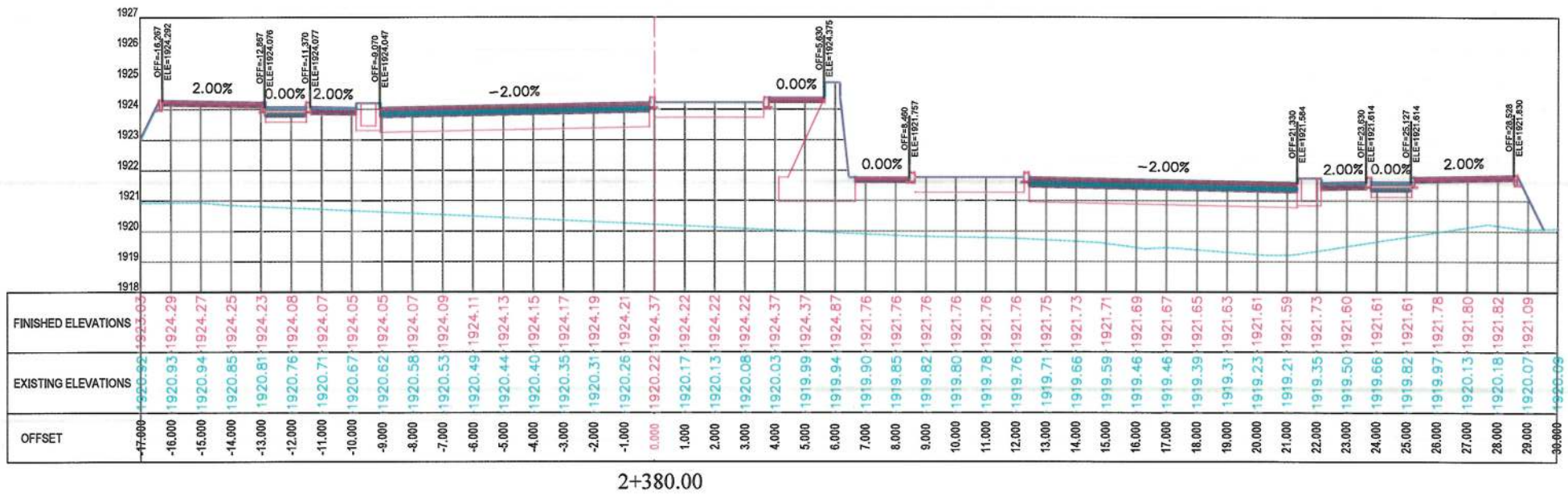
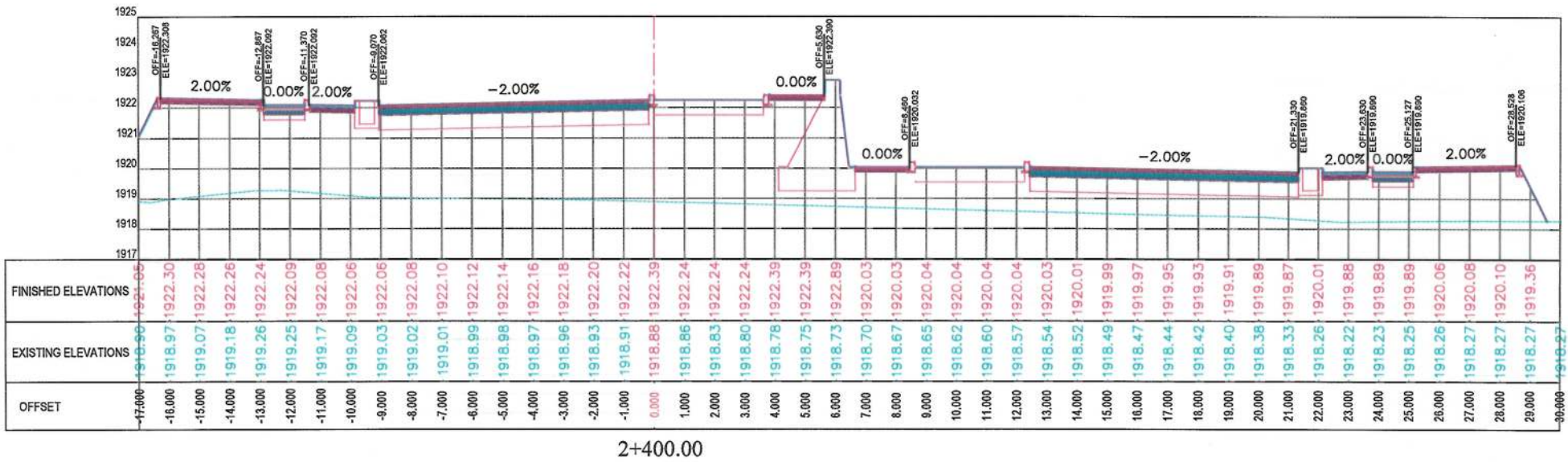
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-53
Drawing Number: CS-53
Revision: 00



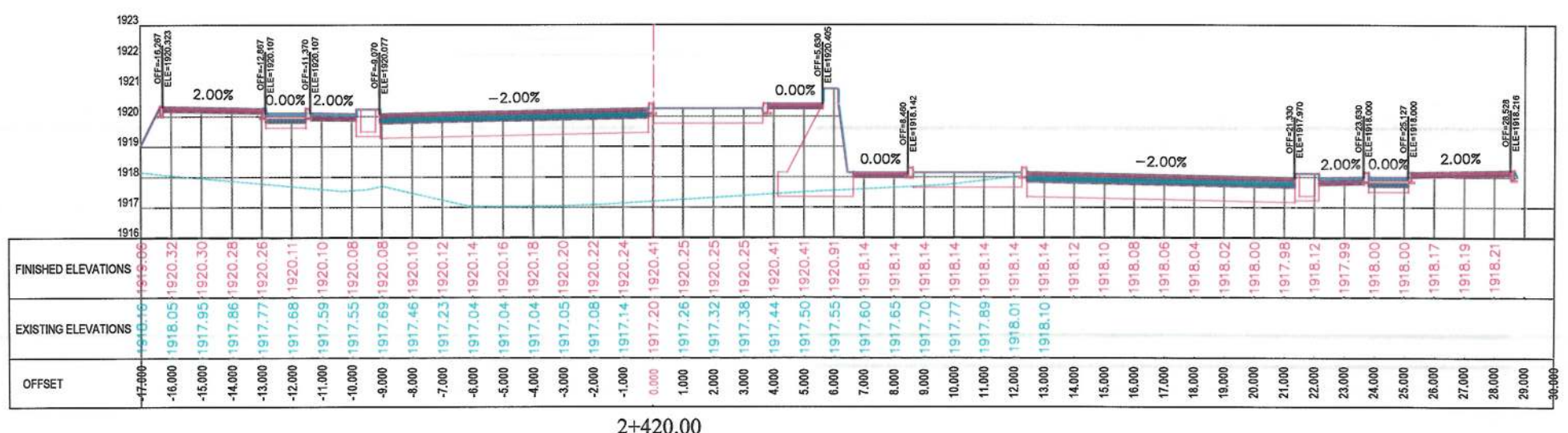
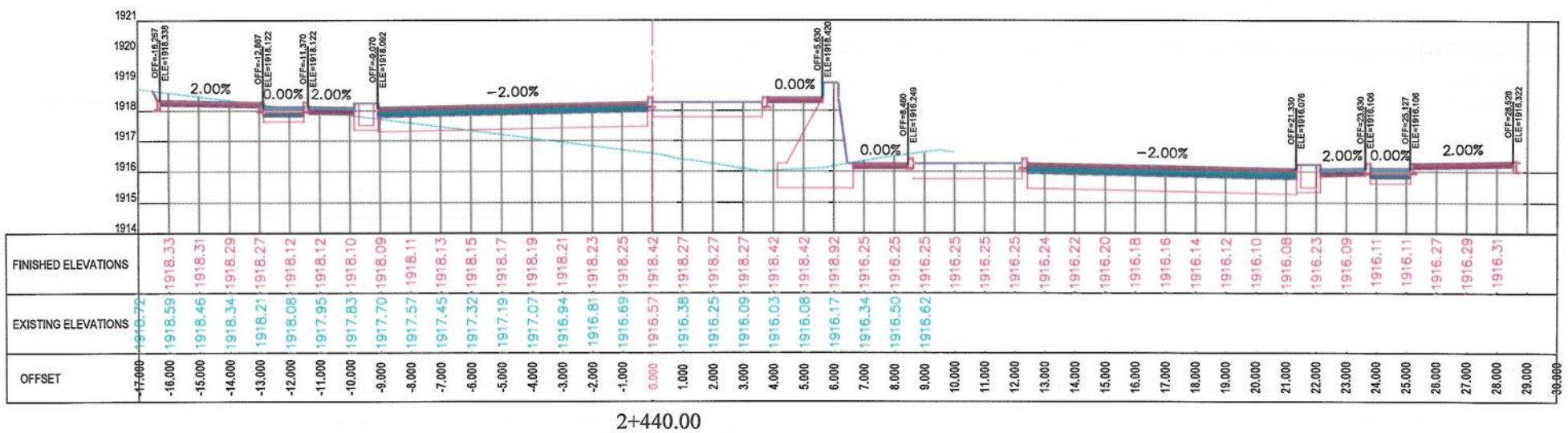
NOTE:
1. All dimensions are in meters unless otherwise indicated.

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
Client:
Designed by:
Project Name:
Drawing Title:
CROSS SECTIONS (Main Alignment)
Designed by:
Drawn by:
Checked by:
Date:
Scale:
Status:
Project Code:
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
CROSS SECTIONS
(Main Alignment)

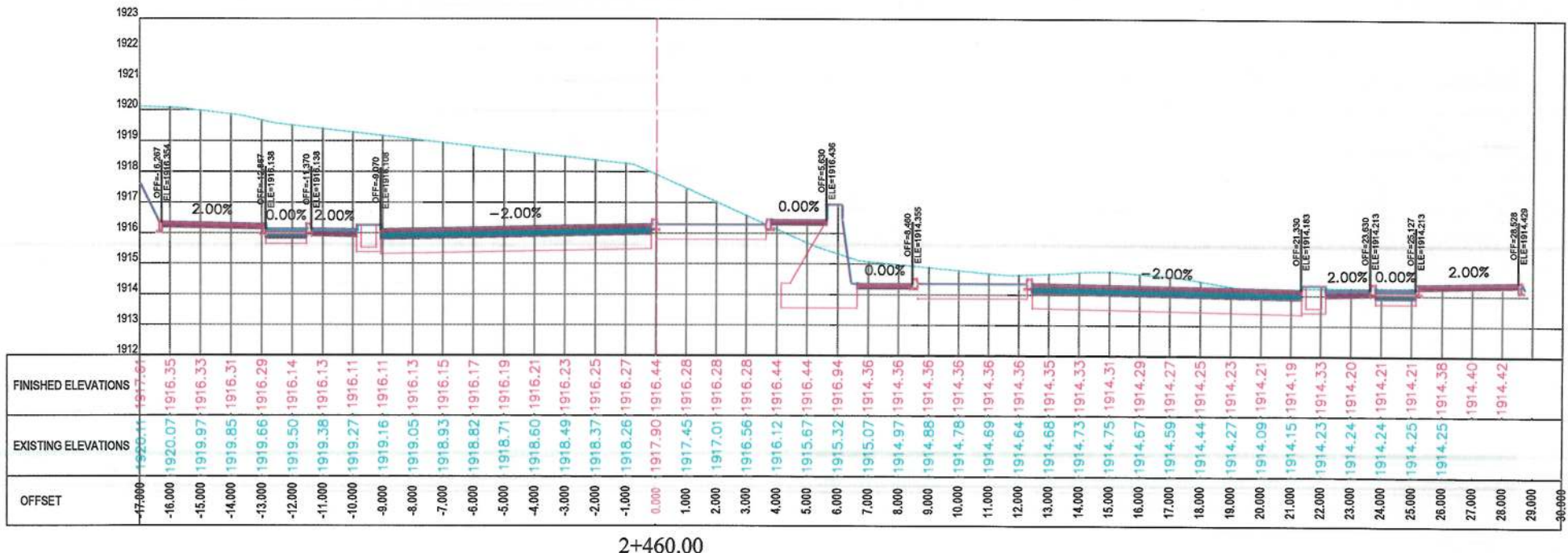
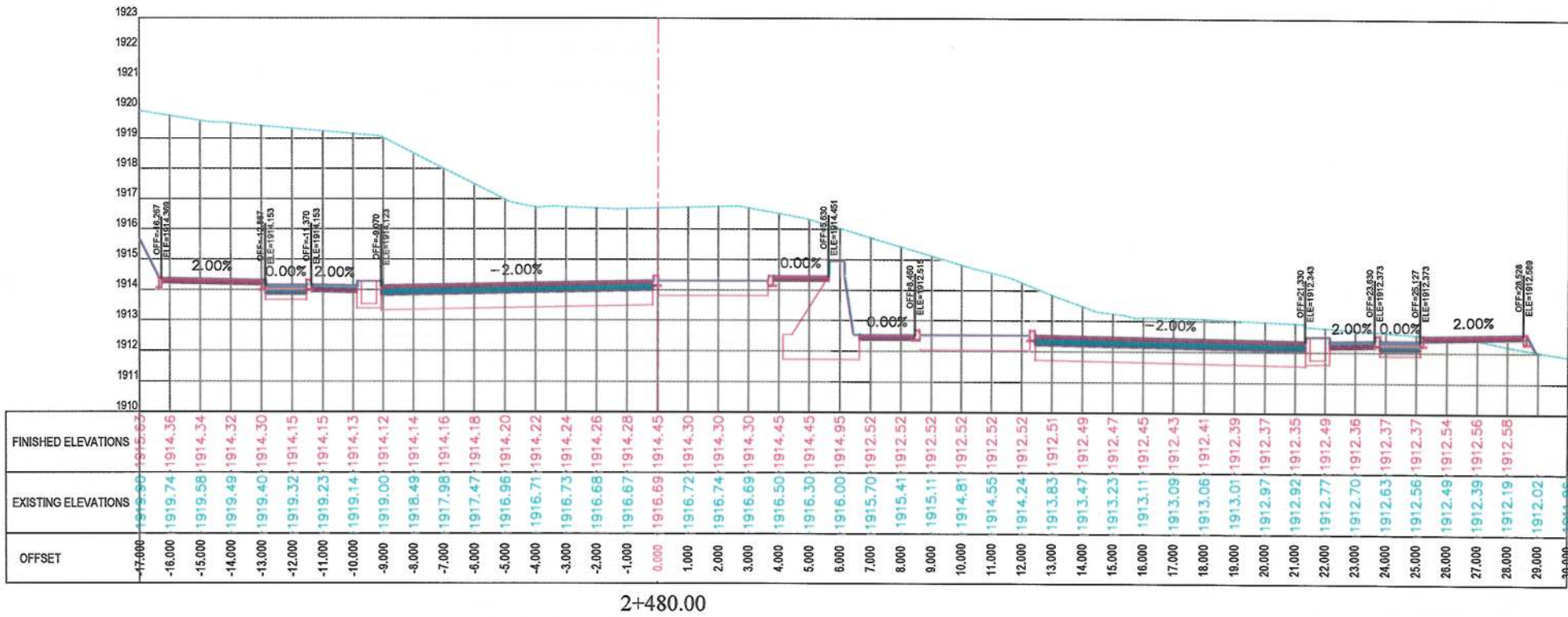
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/26/2023	Scale: 1:200
--------------------	-----------------

Status:
FINAL DESIGN

Project Code

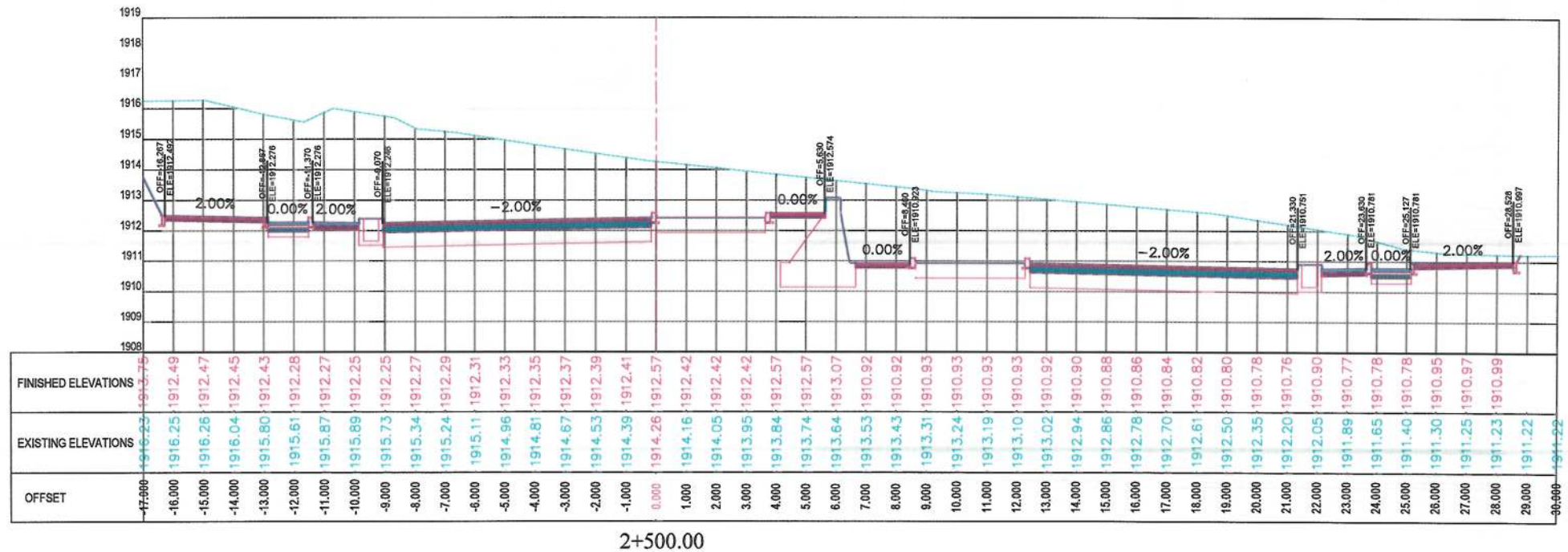
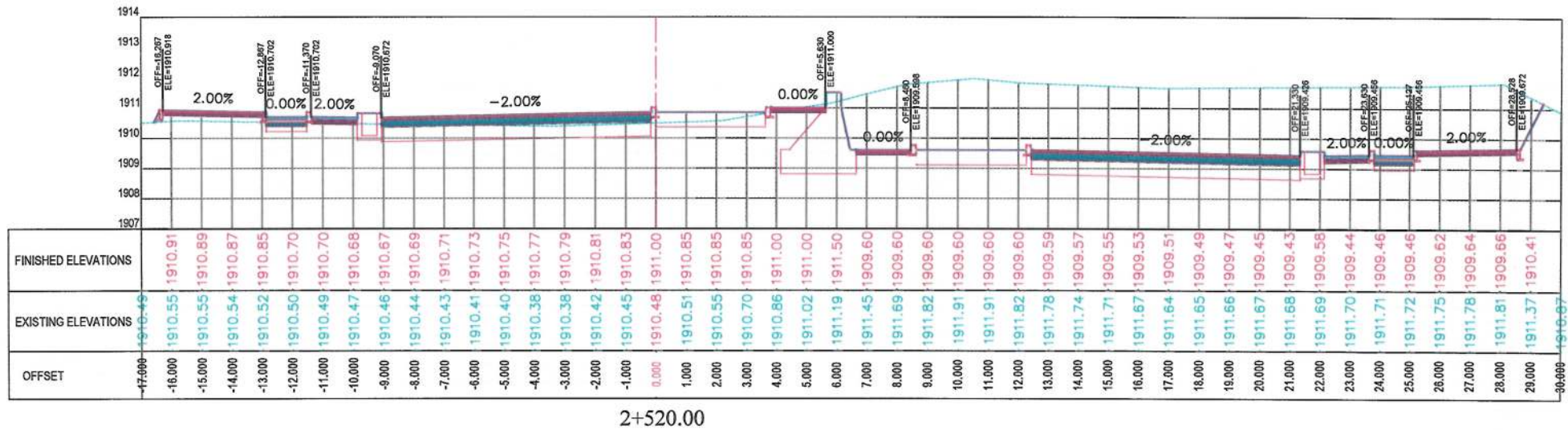
Drawing Number CS-55	Revision 00
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NOTE:
1. All dimensions are in meters unless otherwise indicated.

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

ISLAMIC EMIRATE OF AFGHANISTAN
Client: KABUL MUNICIPALITY
Designed by: KABUL MUNICIPALITY DESIGN TEAM
Project Name: Orfani to Omid-e-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
Drawing Number: CS-56
Revision: 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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by:
Mohammad Essa Sirat

Drawn by:
Mohammad Essa Sirat

Checked by:
Hasibullah Shalizi

Date:
9/26/2023

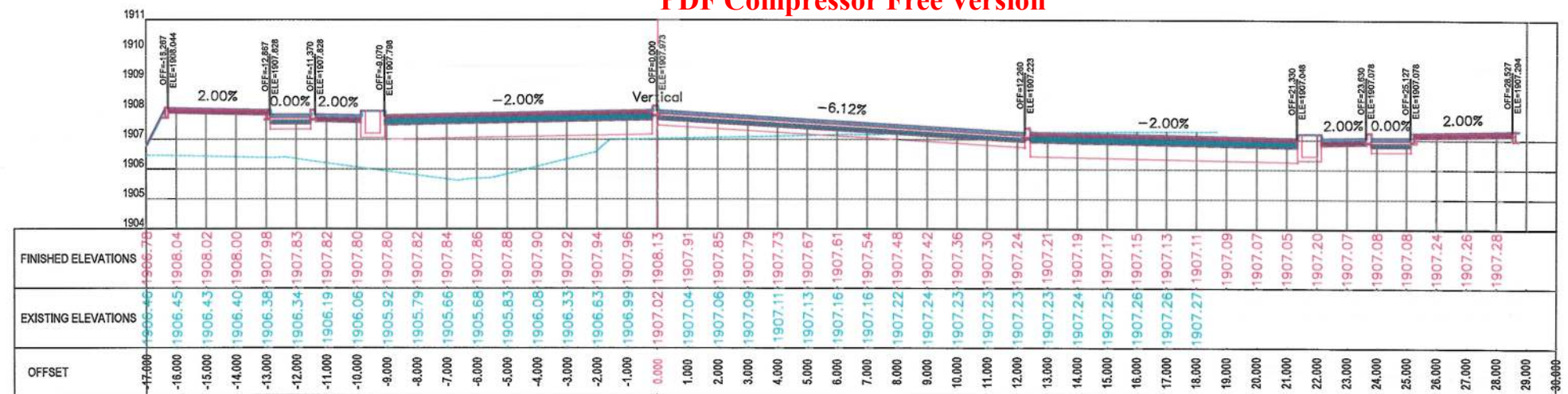
Scale:
1:200

Status:
FINAL DESIGN

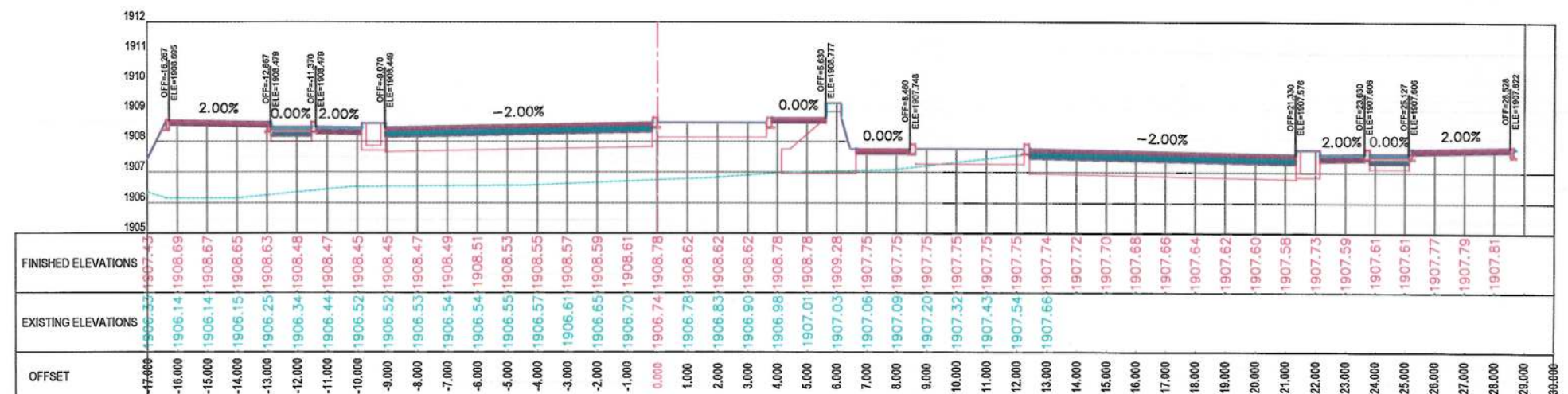
Project Code

Drawing Number
CS-57

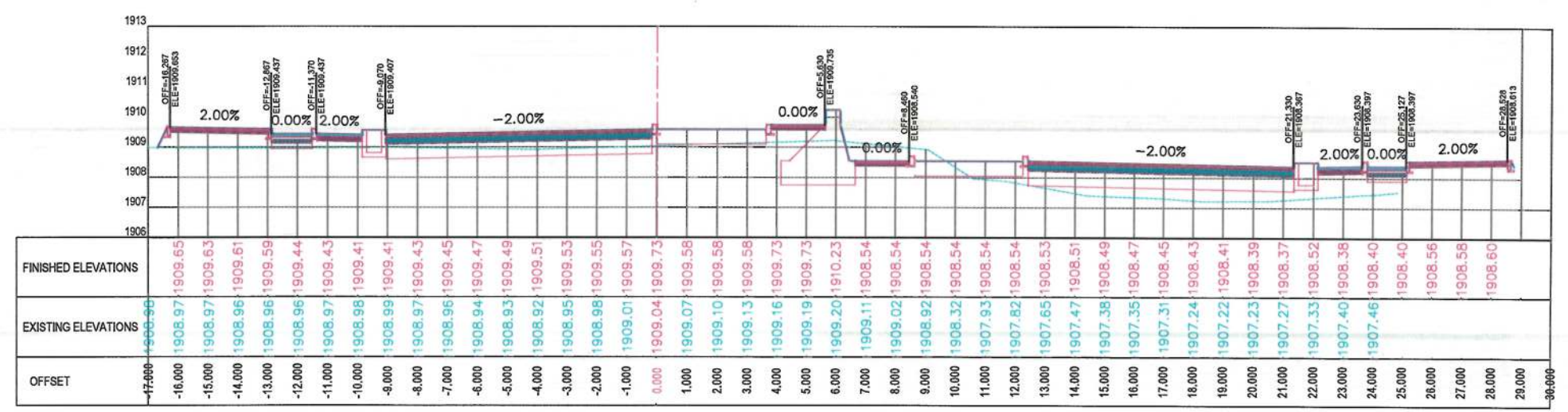
Revision
00



2+580.00



2+560.00



2+540.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

Designed by:
Mohammad Essa Sirat

Drawn by:
Mohammad Essa Sirat

Checked by:
Hasibullah Shalizi

Date:
9/26/2023

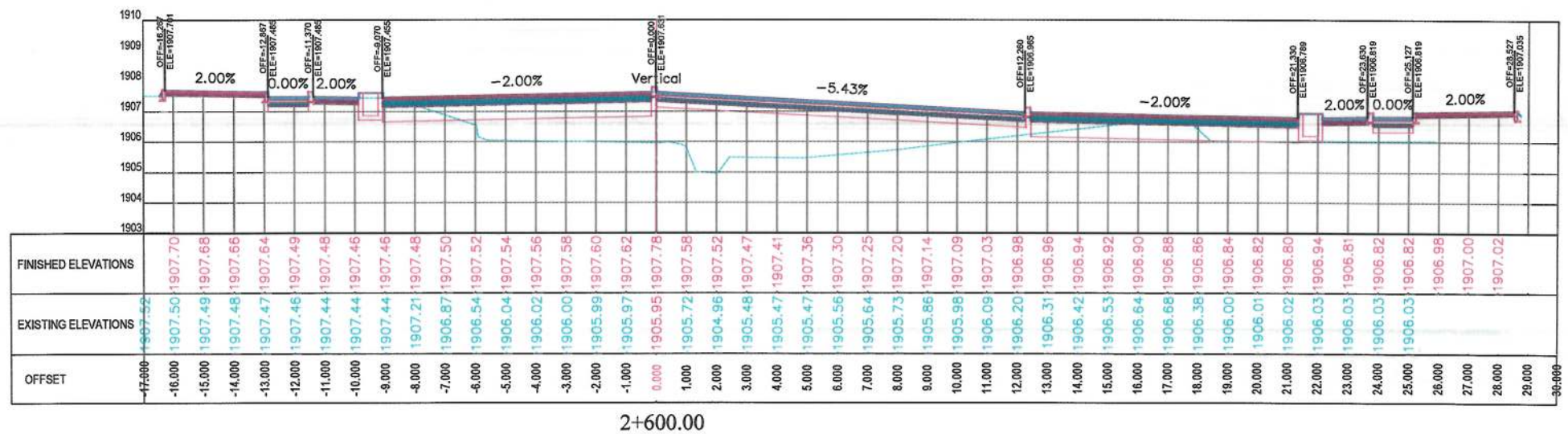
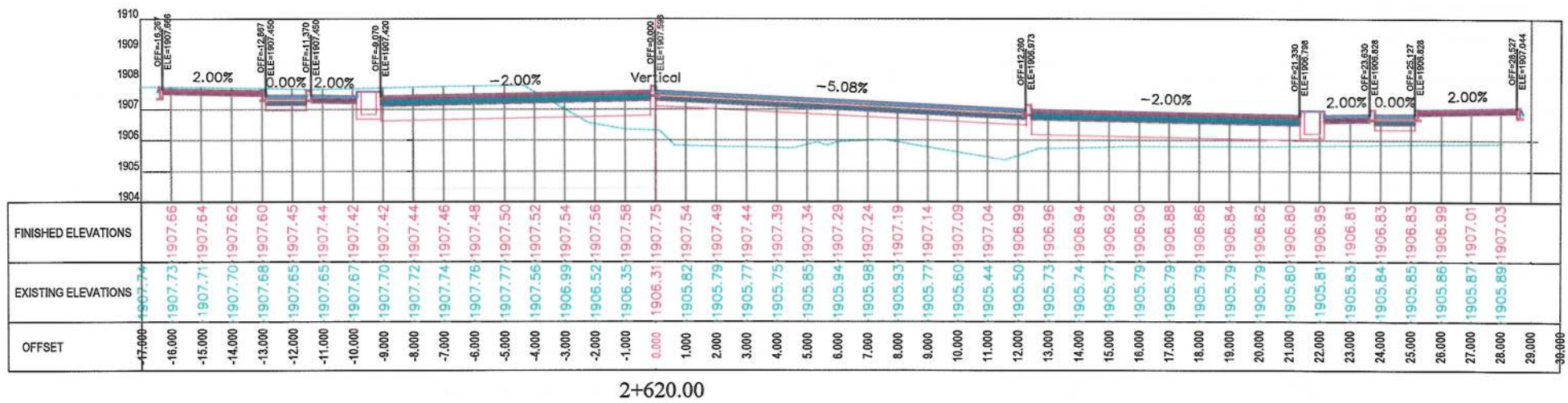
Scale:
1:200

Status:
FINAL DESIGN

Project Code

Drawing Number
CS-58

Revision
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: Orfani to Omid-e-Sabz Town Connecting Road project

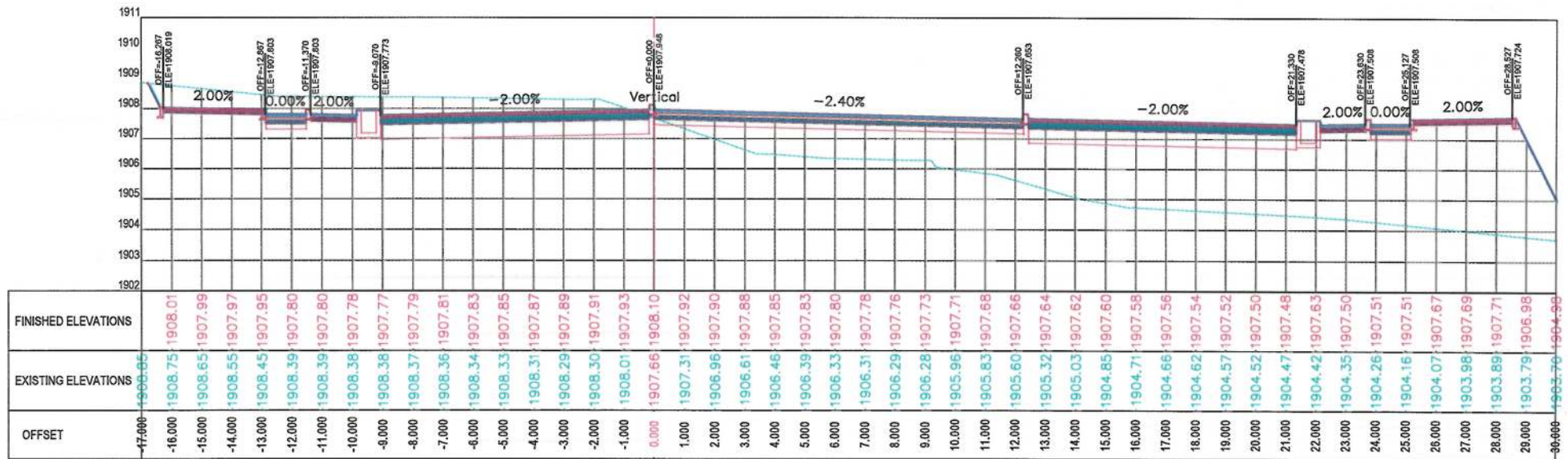
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

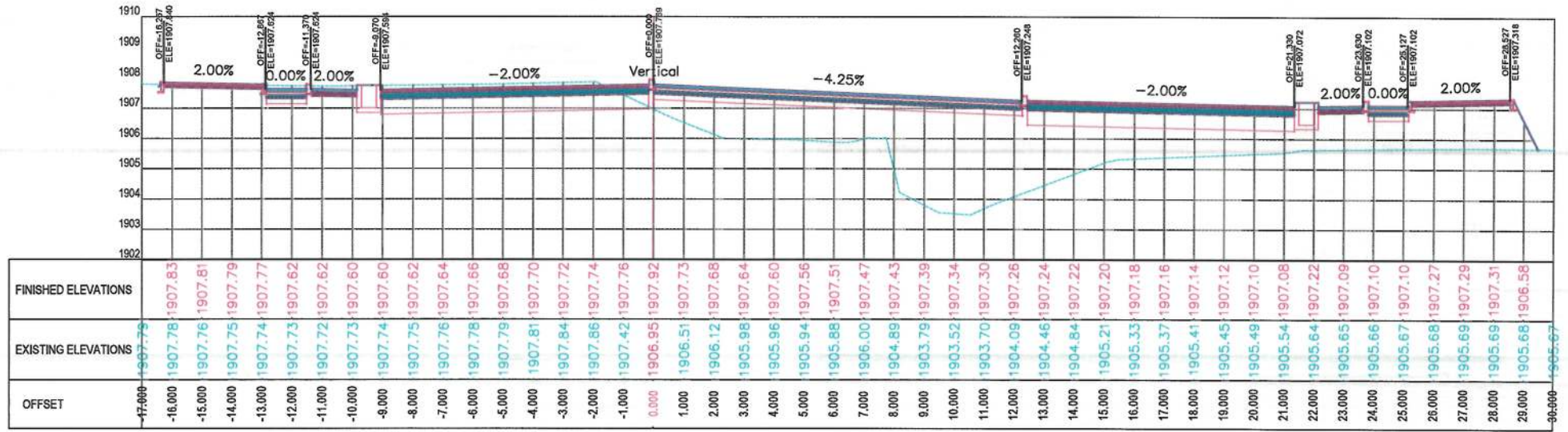
Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-59
Revision: 00



2+660.00



2+640.00

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:
Orfani to Omid-e-Saba Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

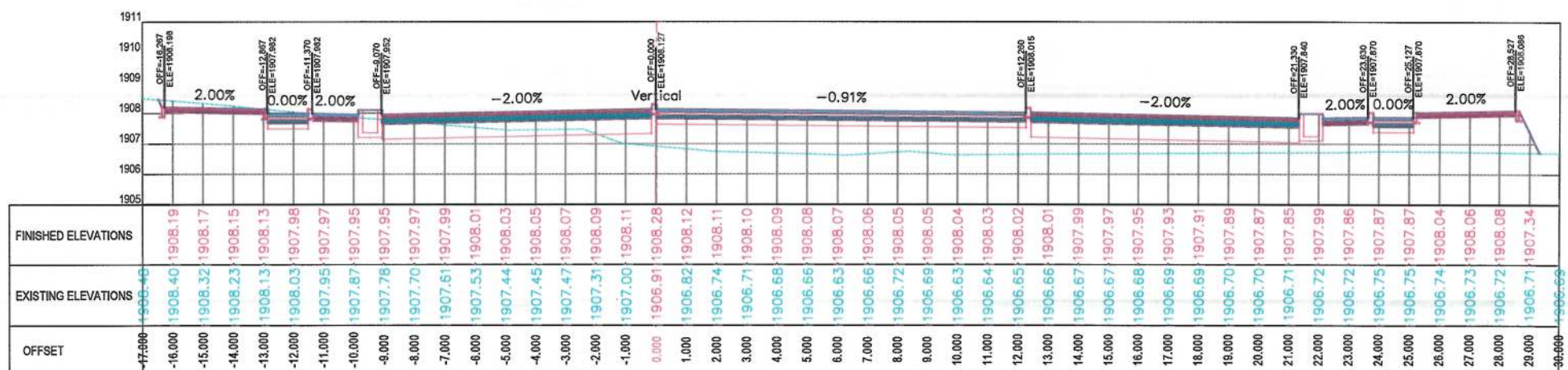
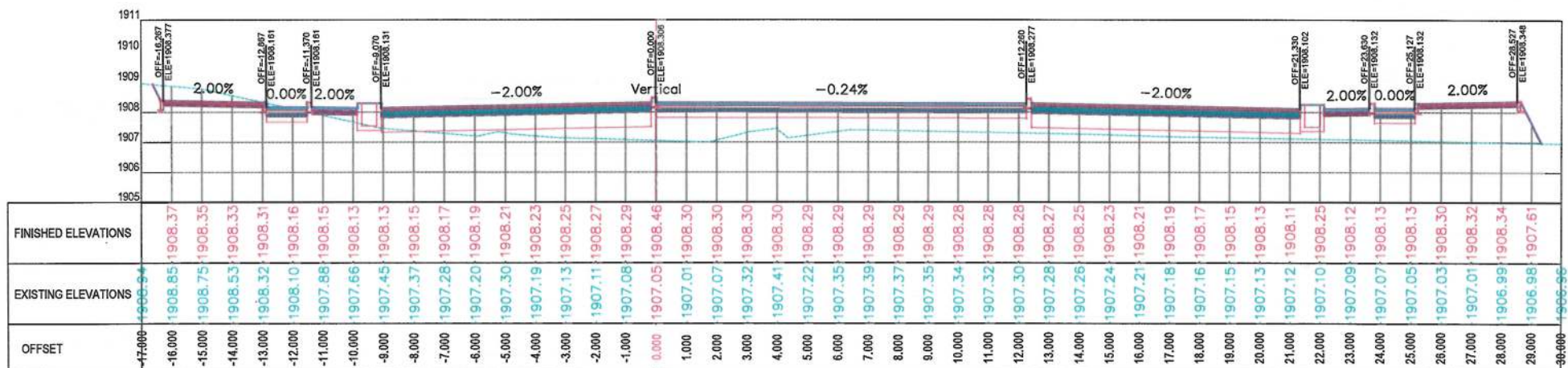
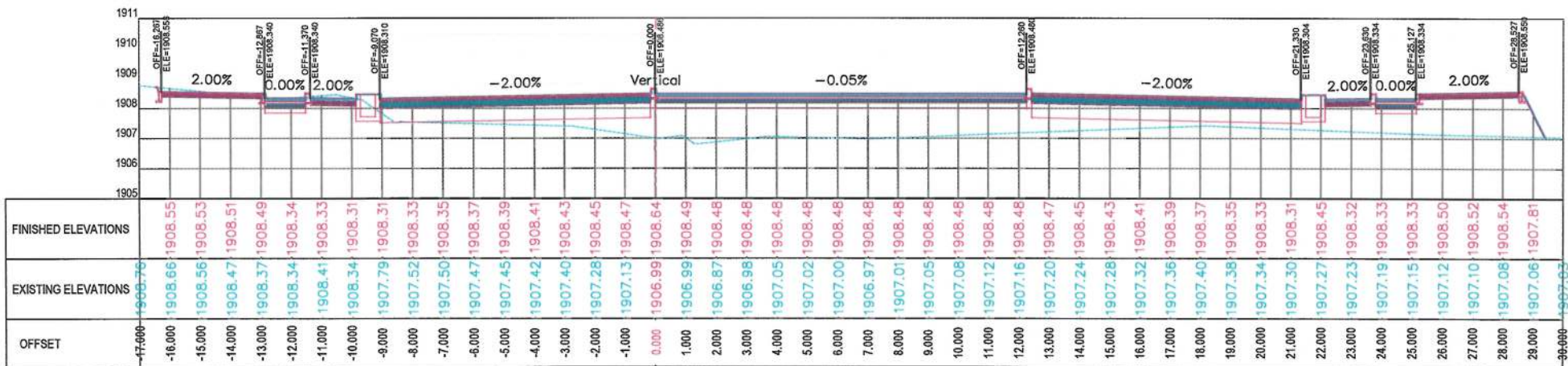
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-60
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: Orfani to Omid-e-Sabz Town Connecting Road project

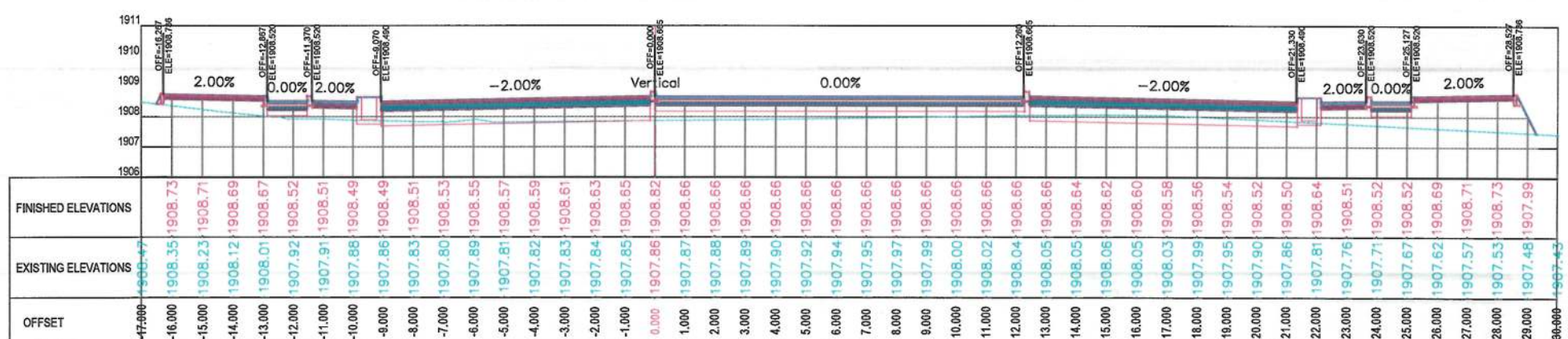
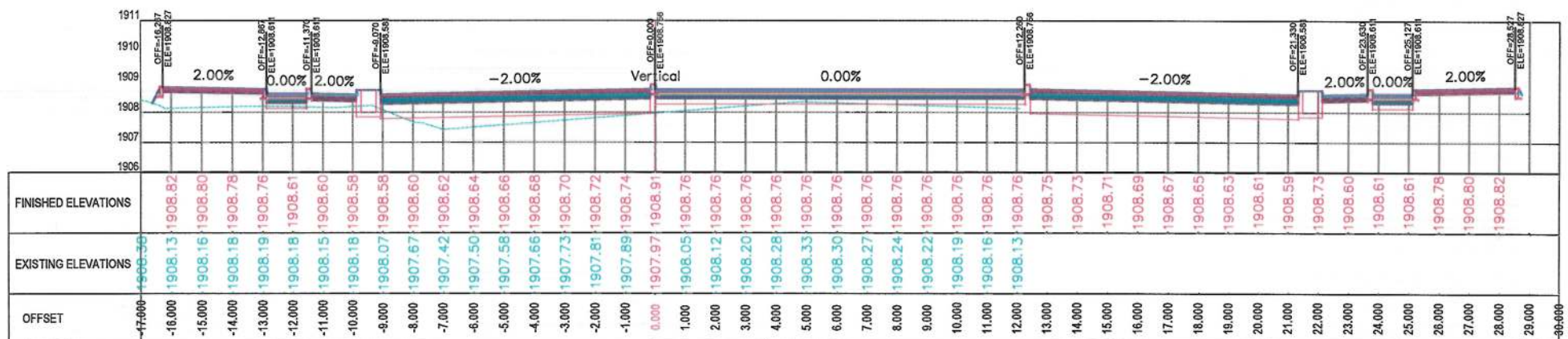
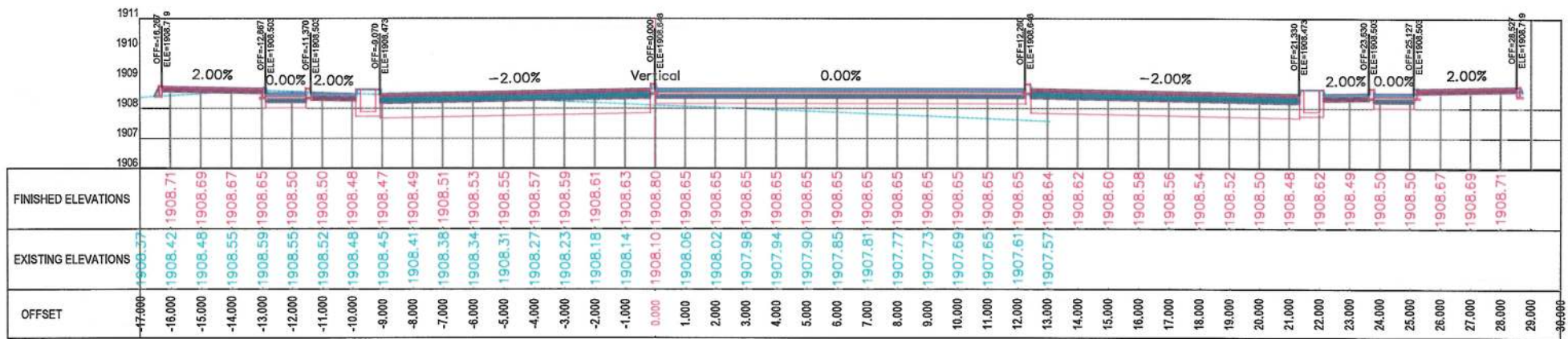
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

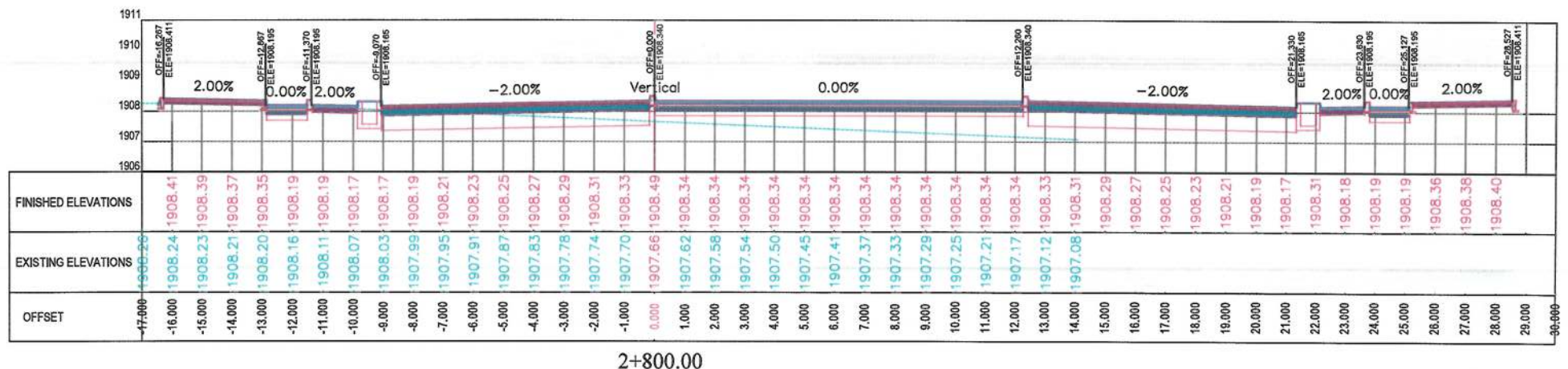
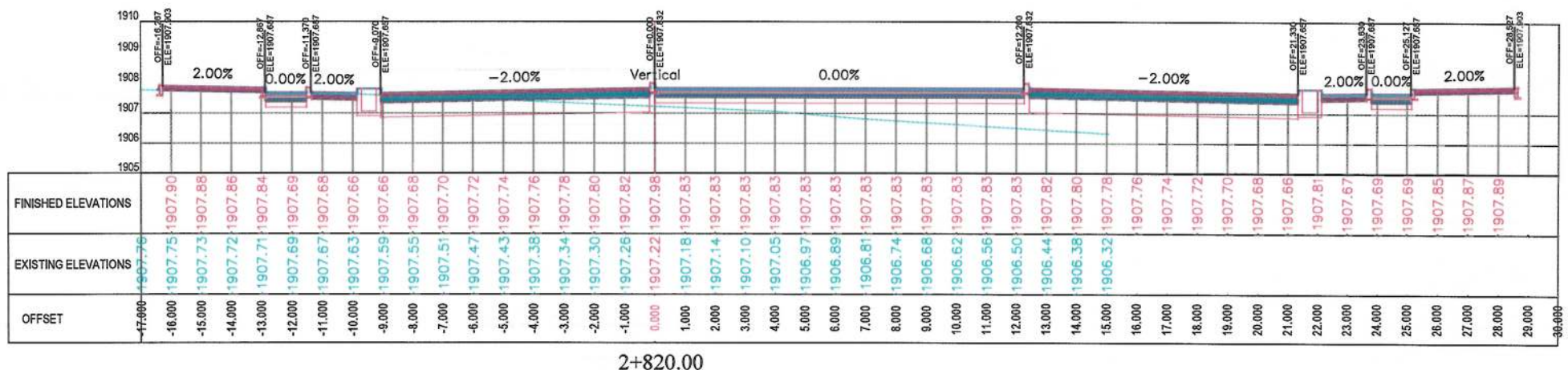
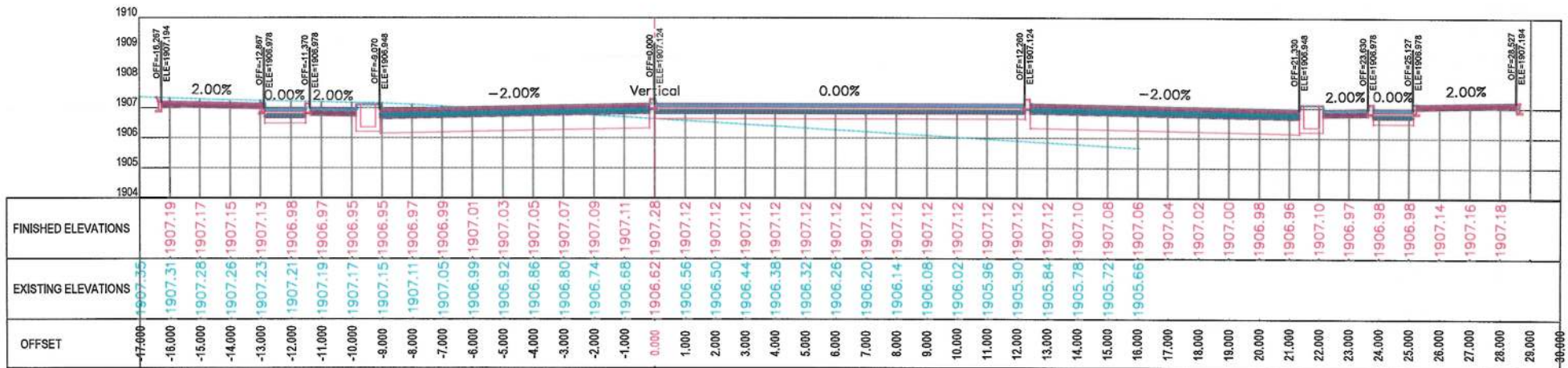
Project Code: CS-61
Drawing Number: CS-61
Revision: 00



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

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
Designed by: KABUL MUNICIPALITY DESIGN TEAM
Project Name: Orfani to Omid-e-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Main Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi
Date: 9/26/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code
Drawing Number: CS-62
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: Orfani to Omid-e-Sahz Town Connecting Road project

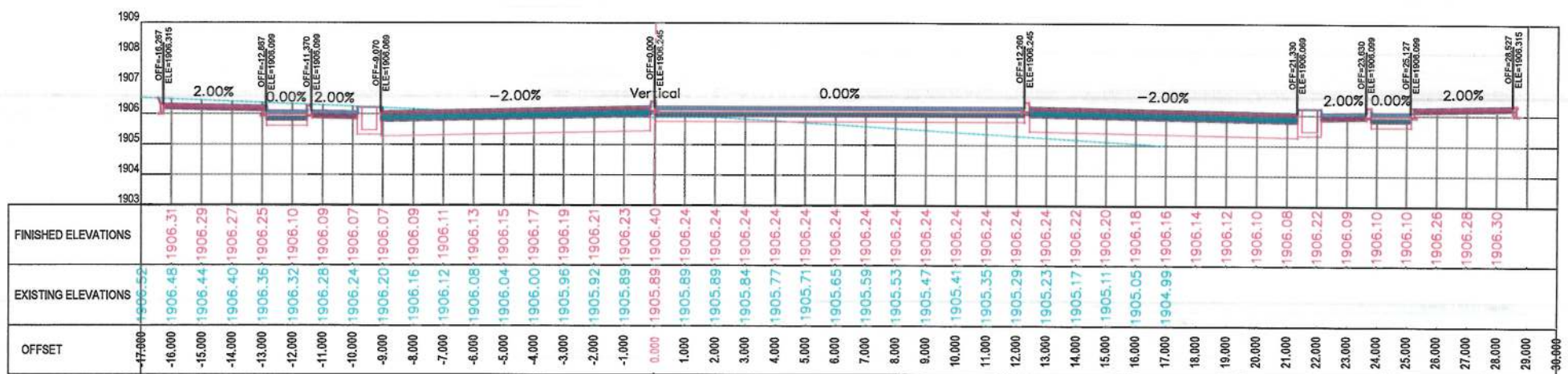
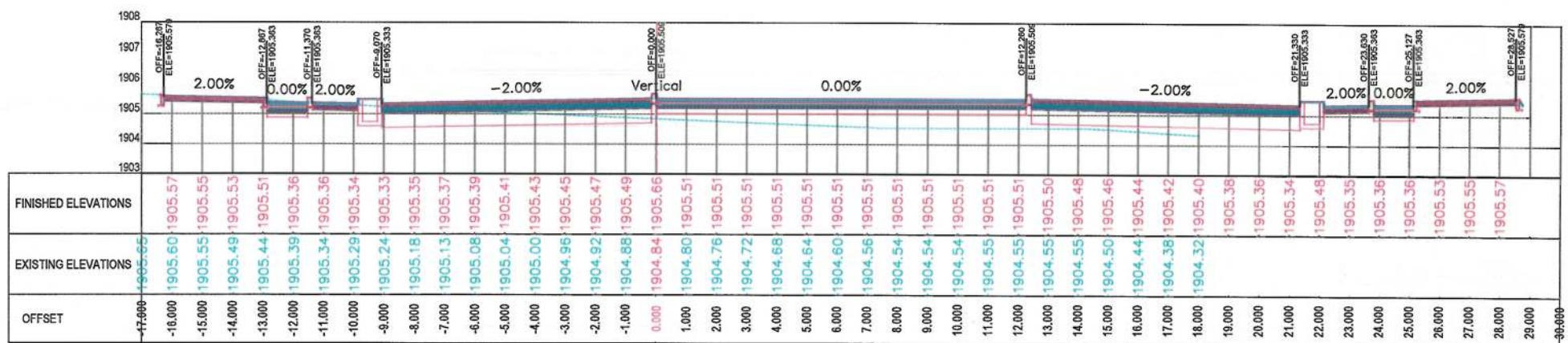
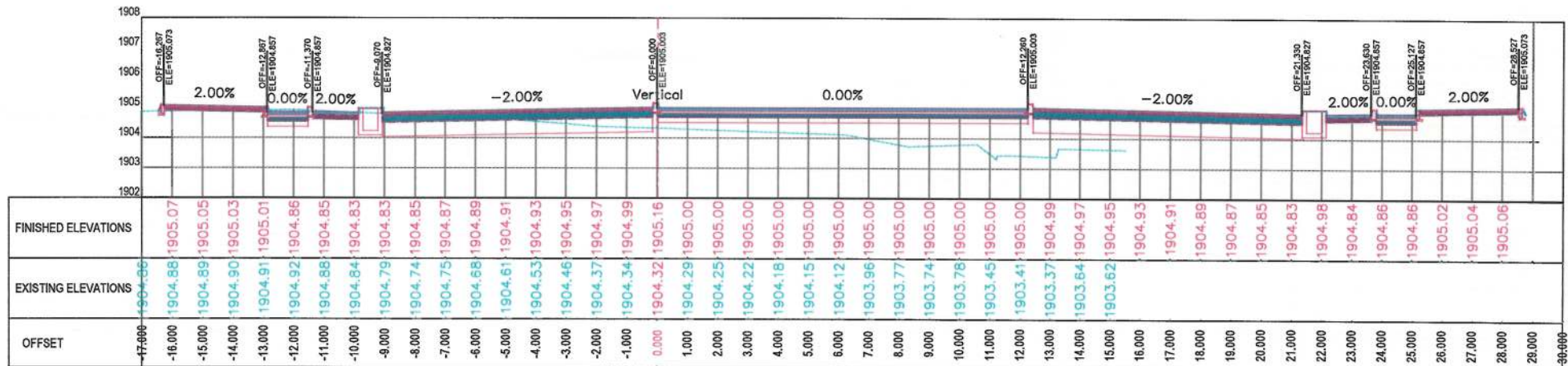
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-63
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

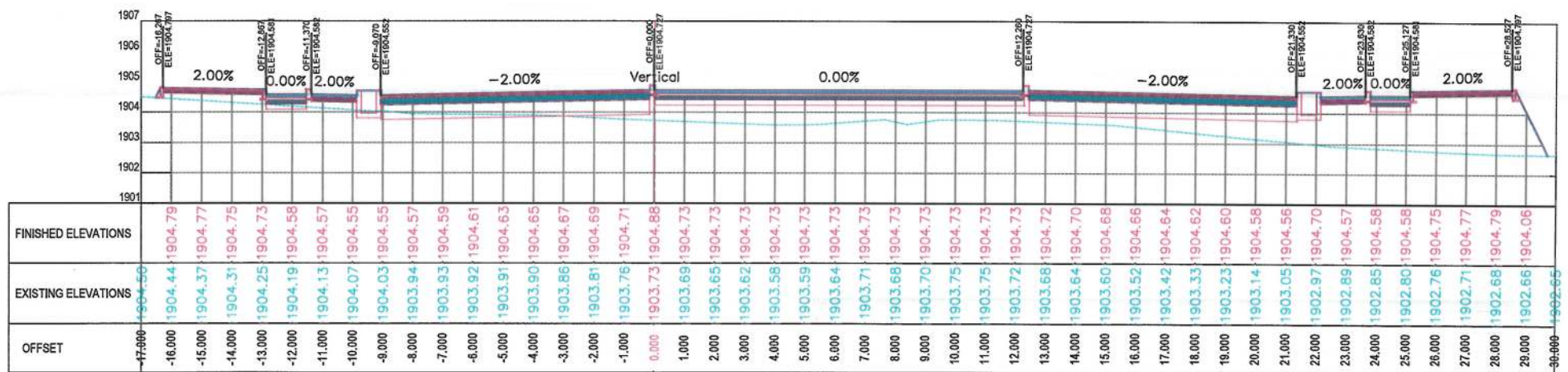
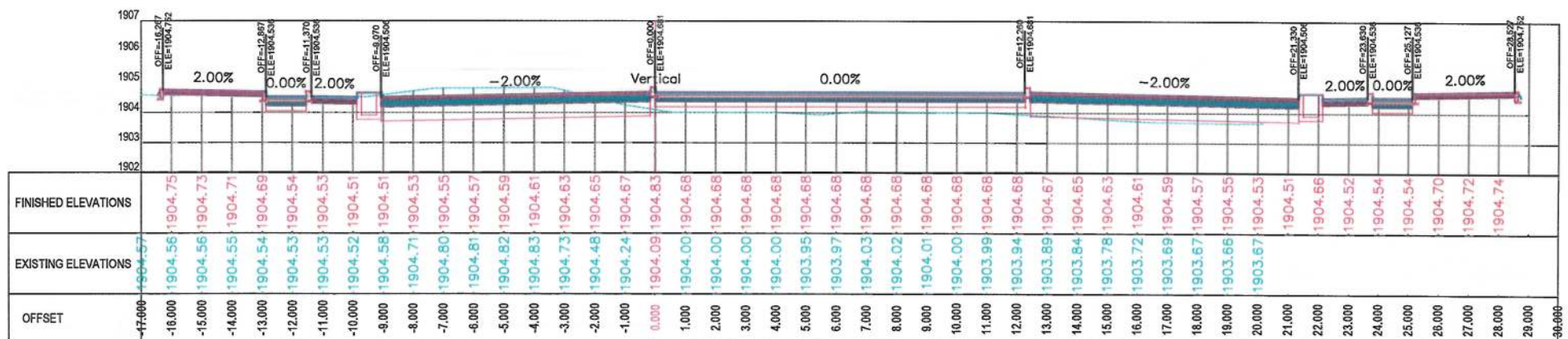
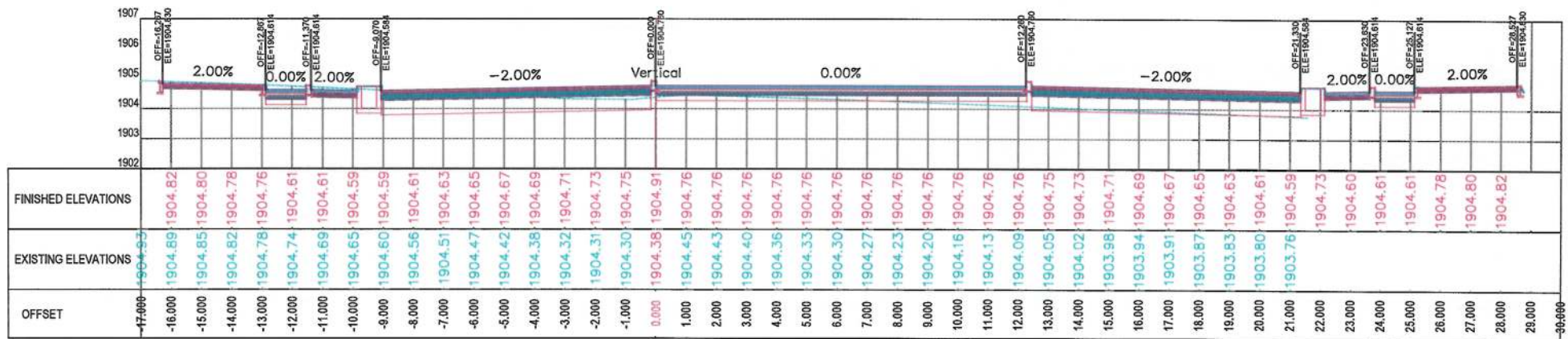
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Habibullah Shalizi	Signature:

Date: 9/26/2023	Scale: 1:200
--------------------	-----------------

Status:
FINAL DESIGN

Project Code

Drawing Number CS-64	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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

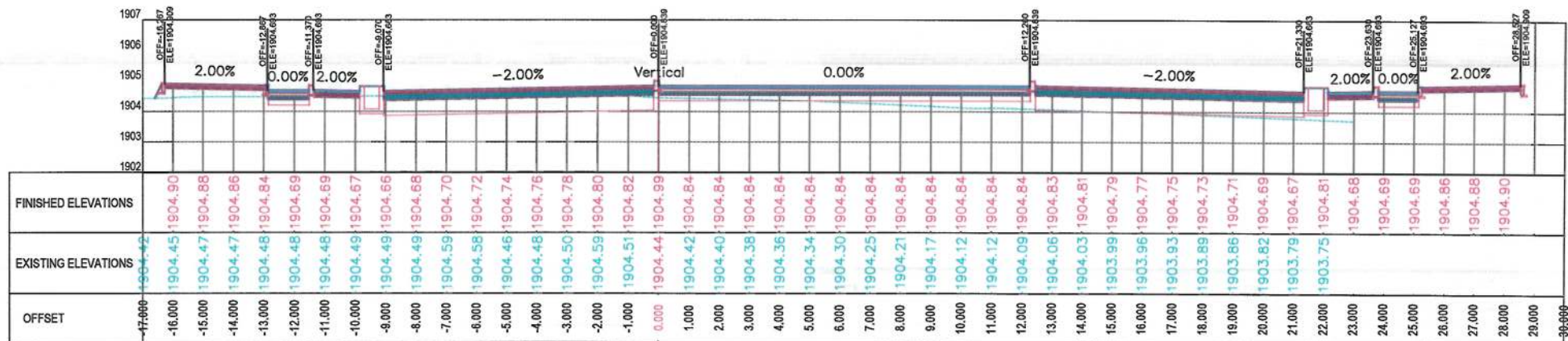
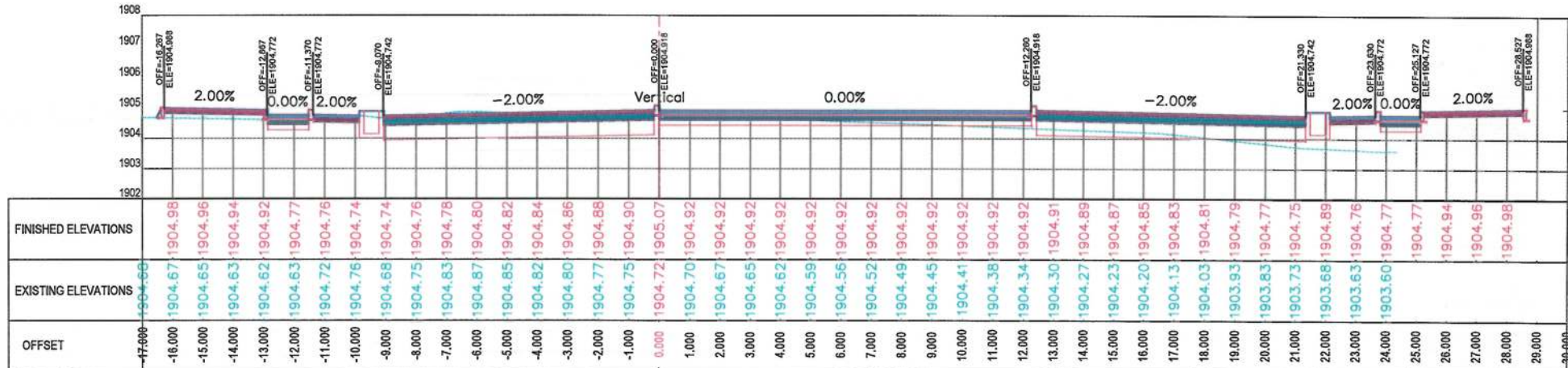
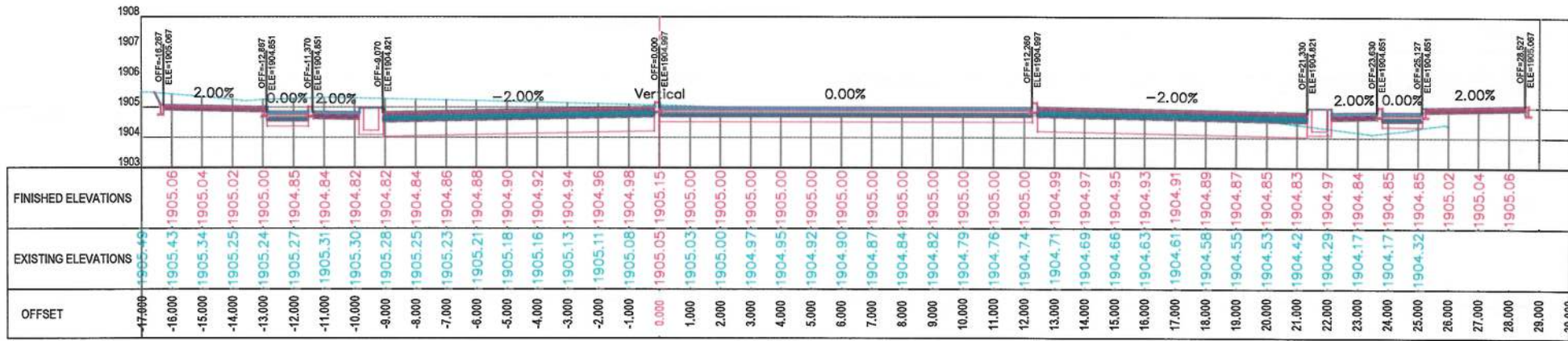
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hamidullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-65
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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

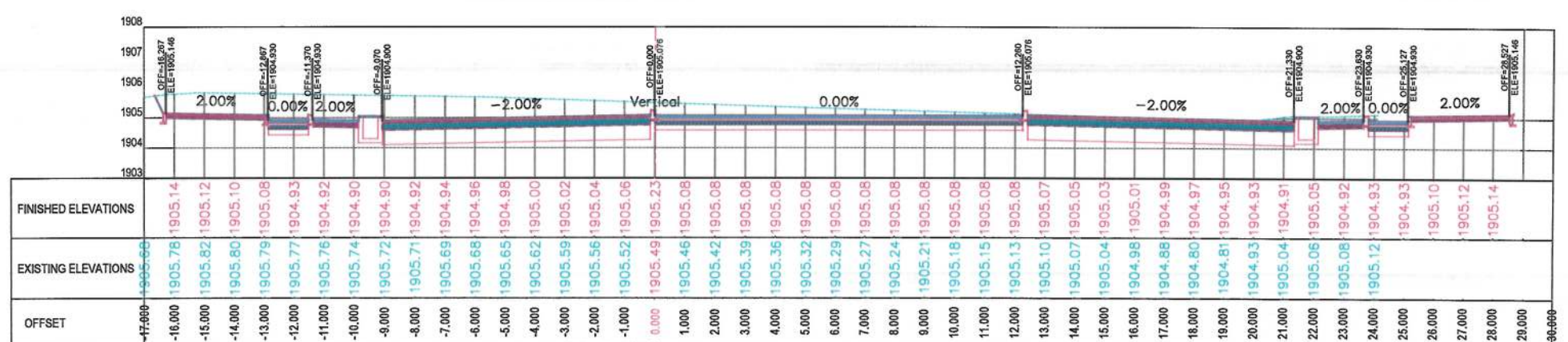
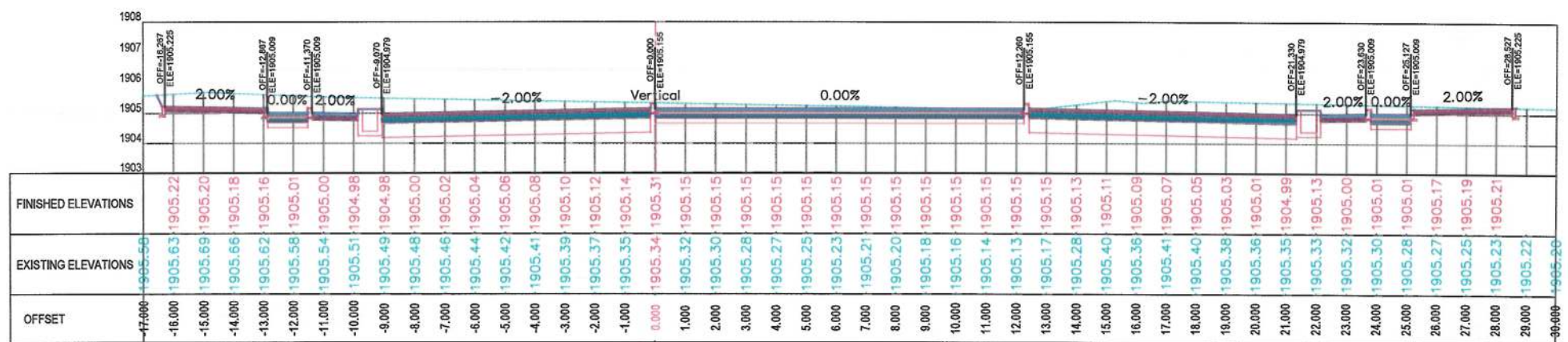
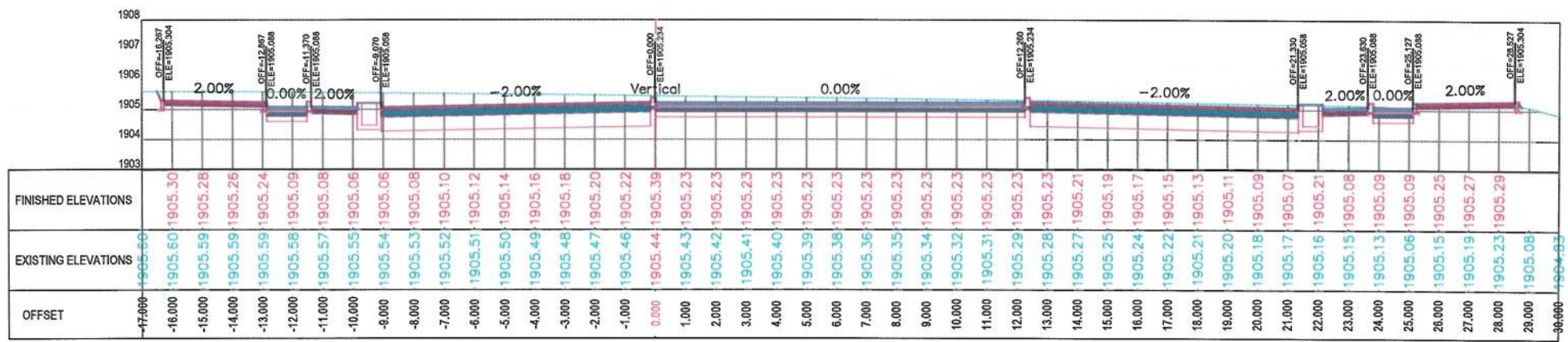
Designed by: Mohammad Easa Sirat
Drawn by: Mohammad Easa Sirat
Checked by: Habibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-66
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS (Main Alignment)

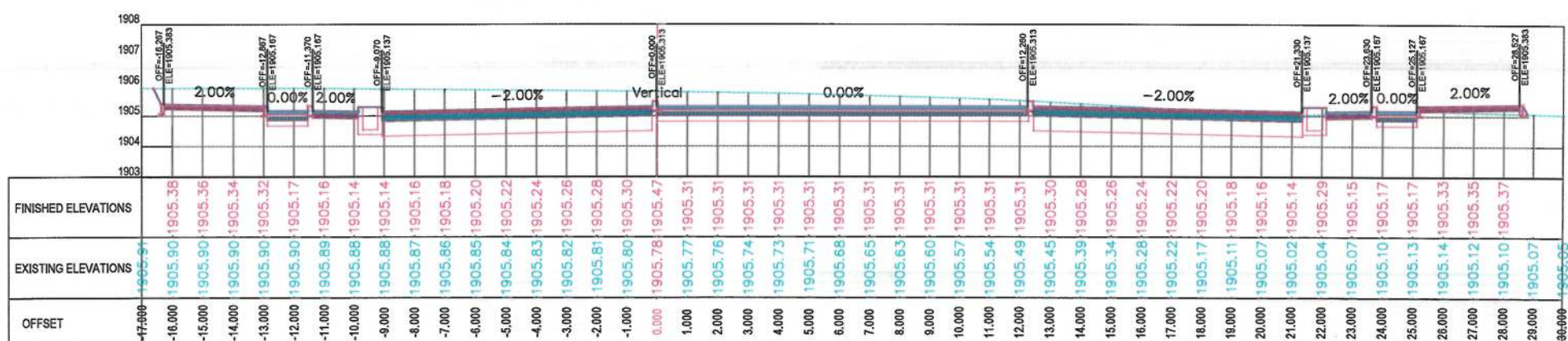
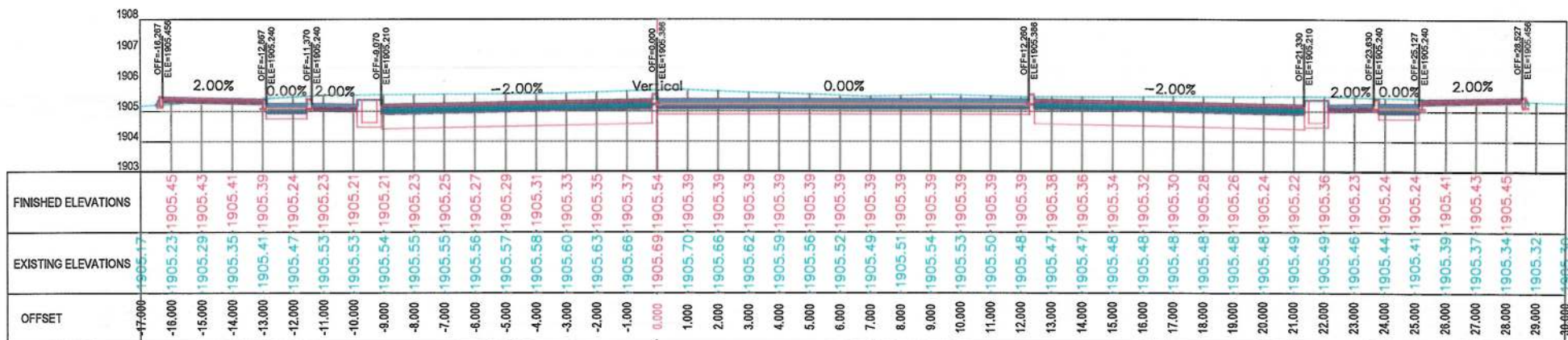
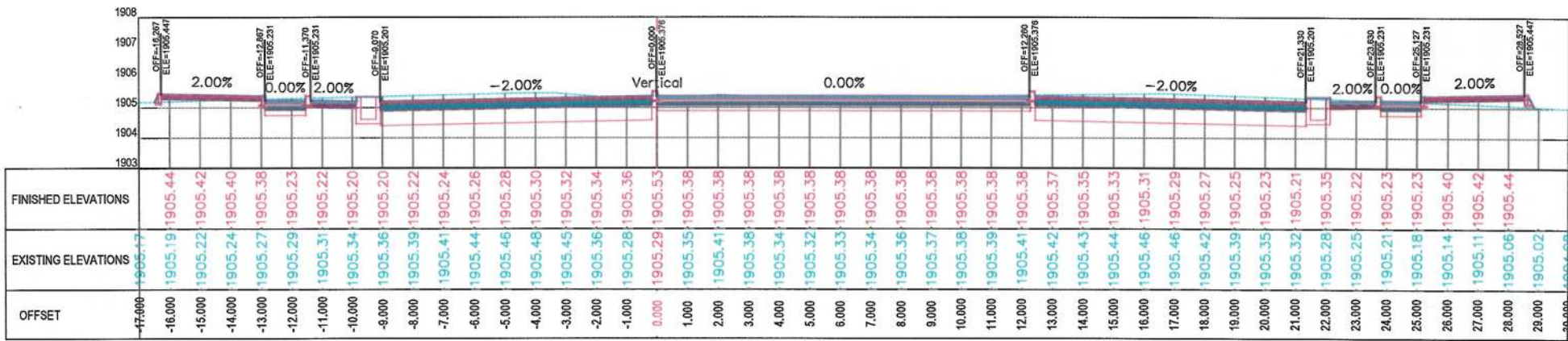
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-67
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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

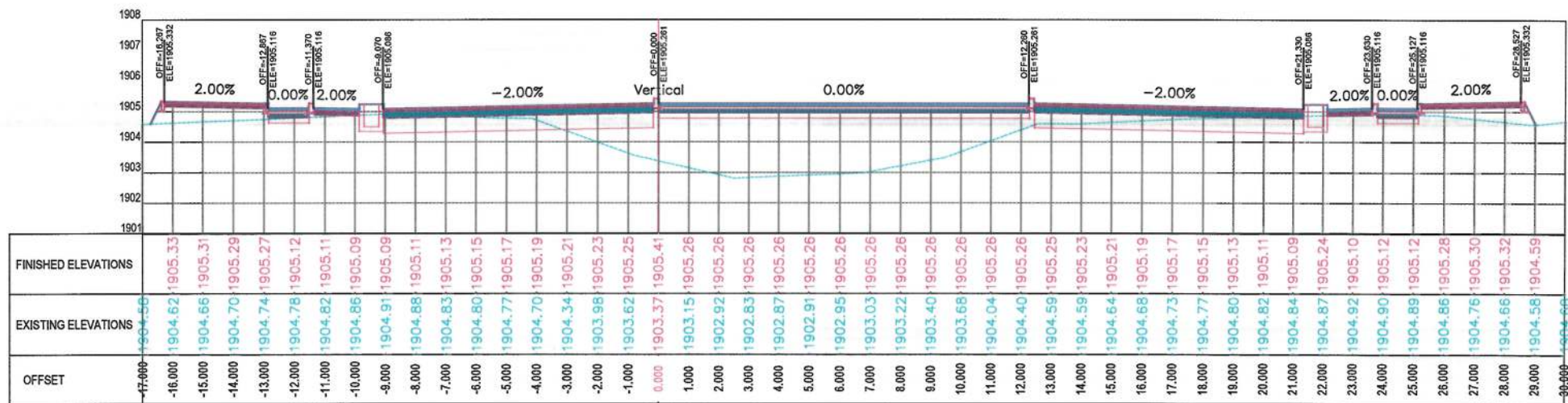
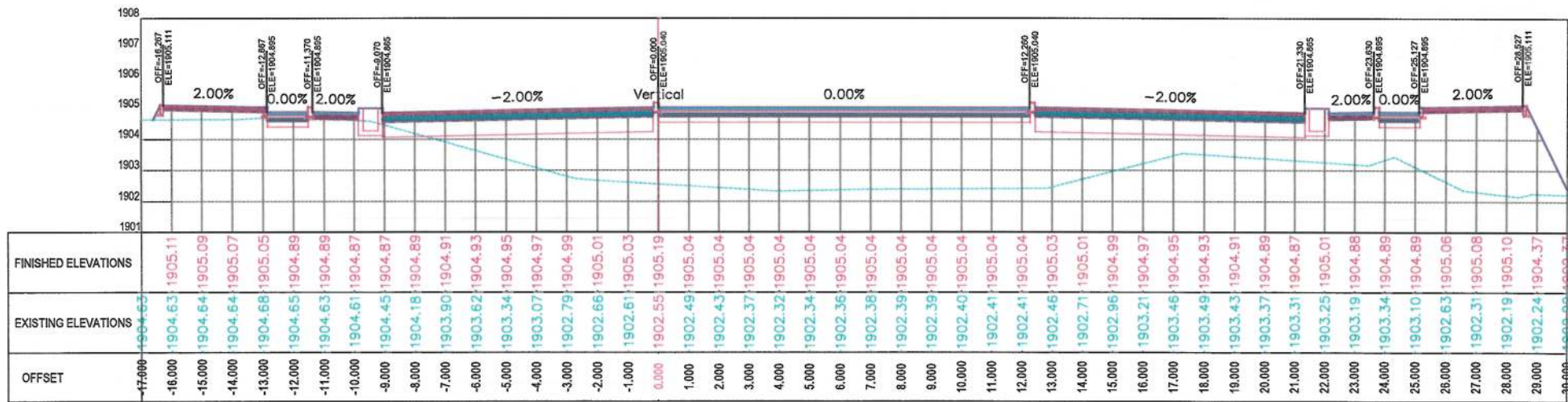
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/26/2023	Scale: 1:200
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Status:
FINAL DESIGN

Project Code

Drawing Number CS-68	Revision 00
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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: Orfani to Omid-e-Sabz Town Connecting Road project

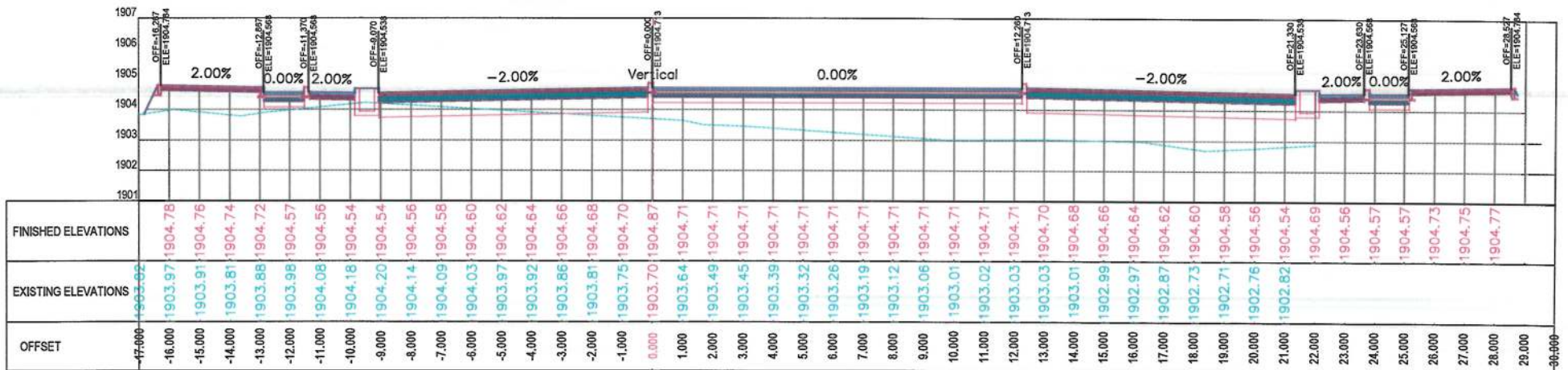
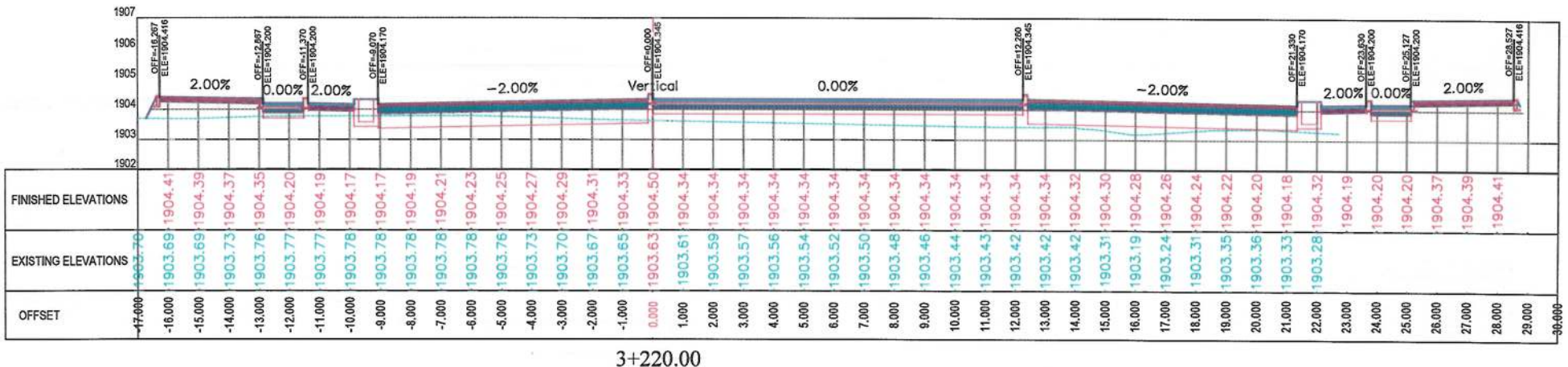
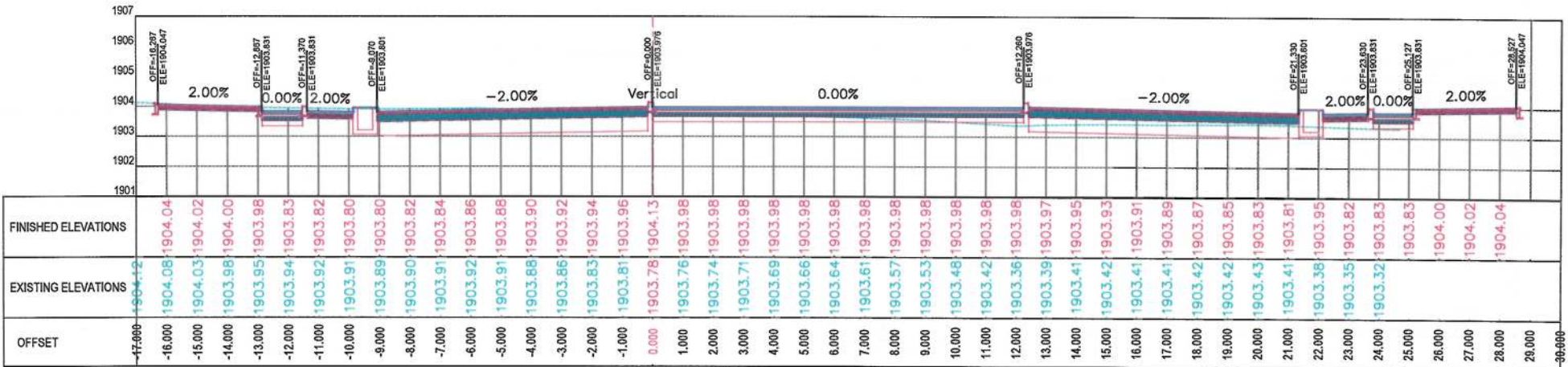
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirt
Drawn by: Mohammad Essa Sirt
Checked by: Habibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-69
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:
Orfani to Omid-e-Subz Town Connecting Road project

Drawing Title:

CROSS SECTIONS (Main Alignment)

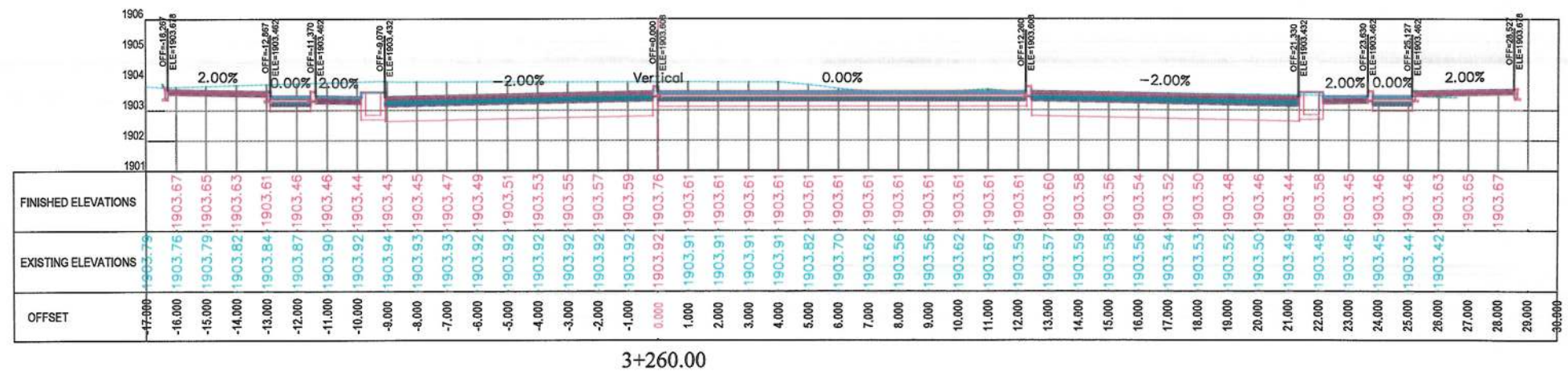
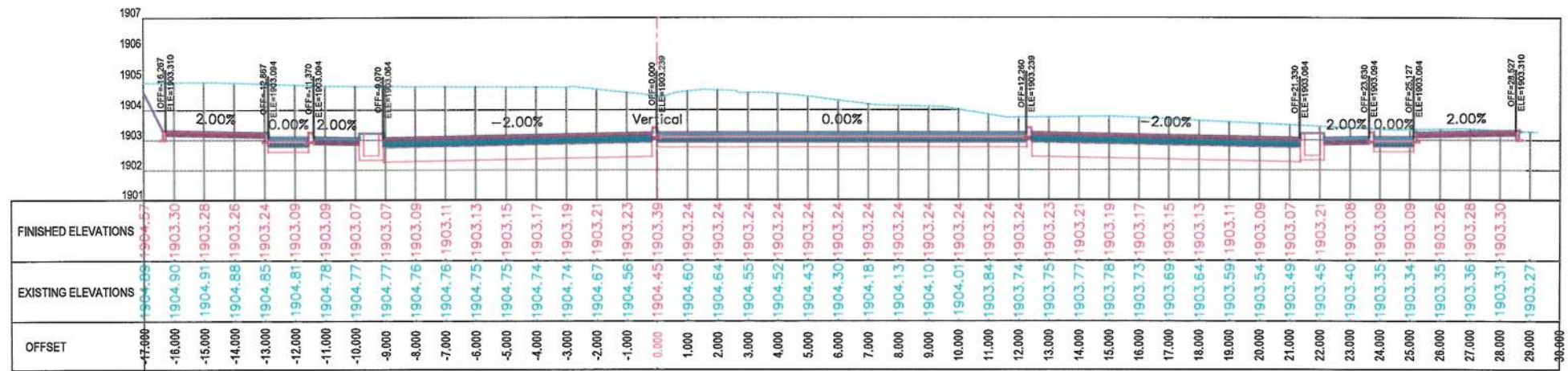
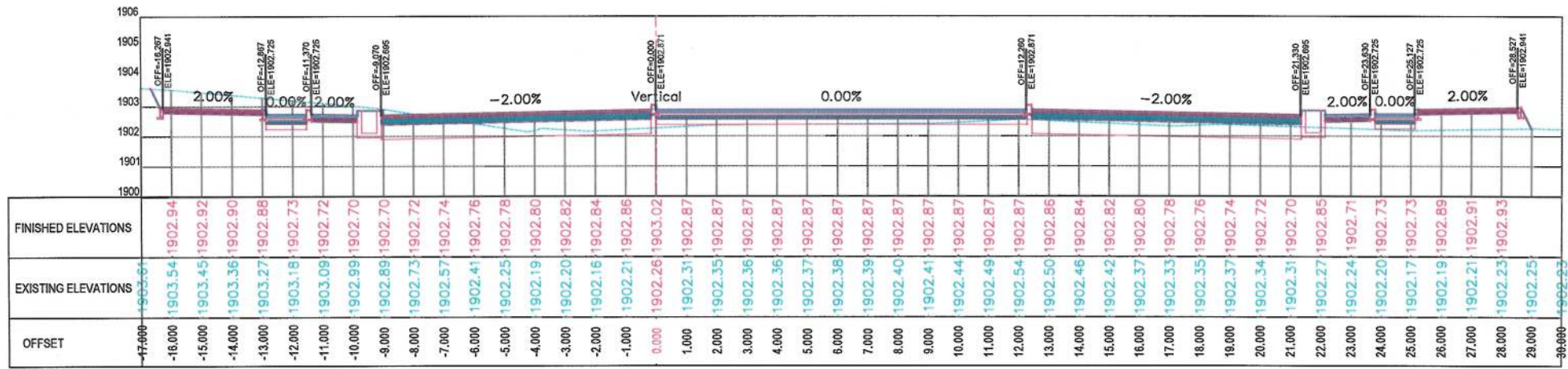
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/26/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-70
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

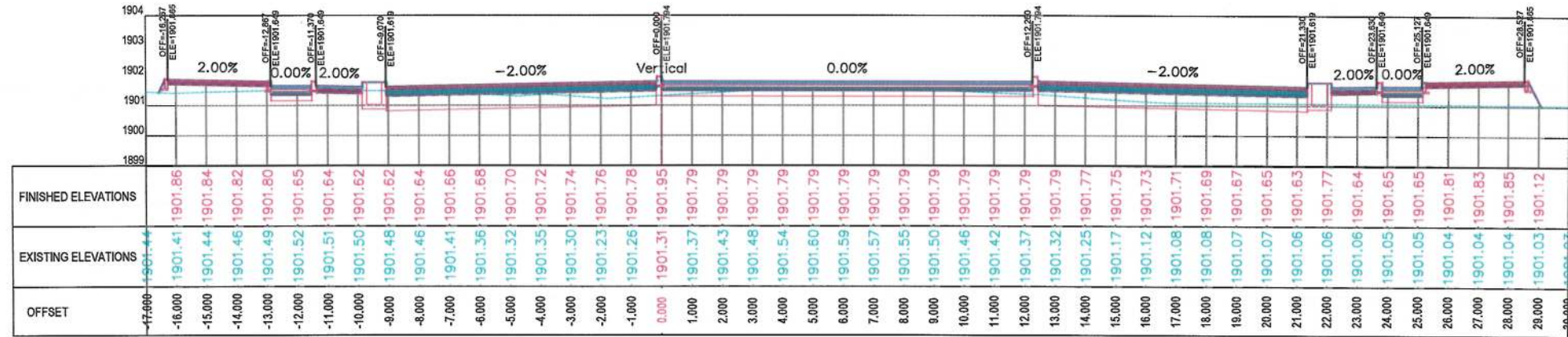
Designed by: Signature:
Drawn by: Signature:
Checked by: Signature:
Hashibullah Shalizi

Date: 9/26/2023 Scale: 1:200

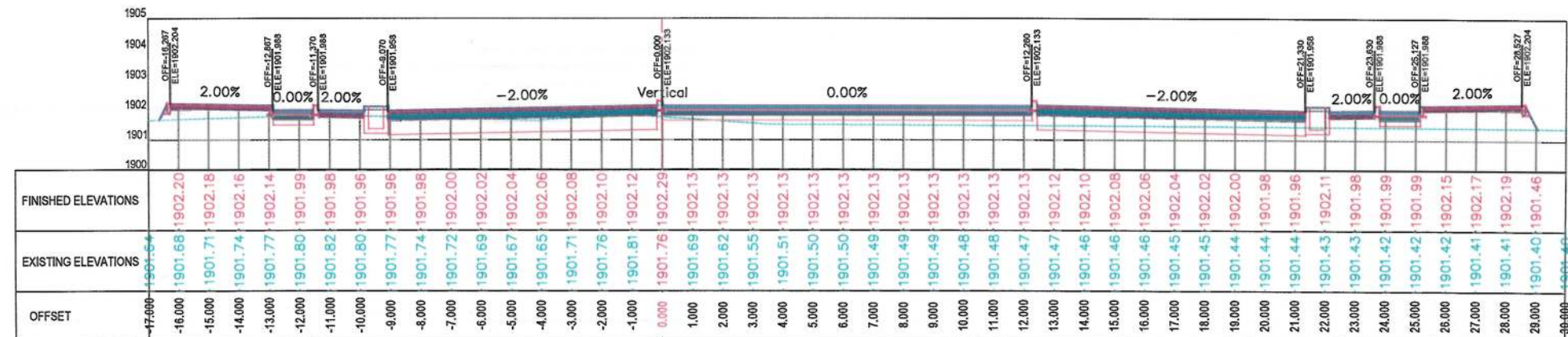
Status: FINAL DESIGN

Project Code

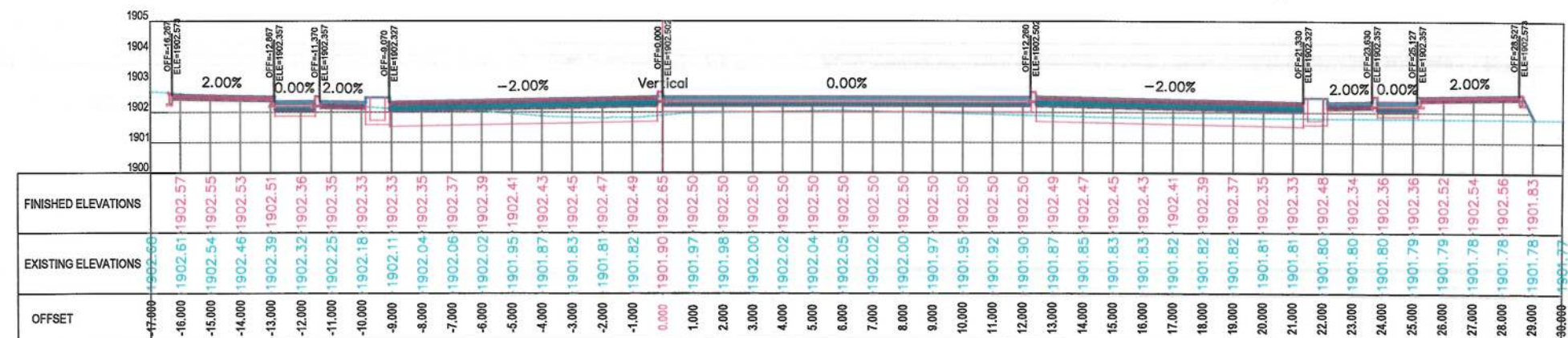
Drawing Number CS-71 Revision 00



3+360.00



3+340.00



3+320.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

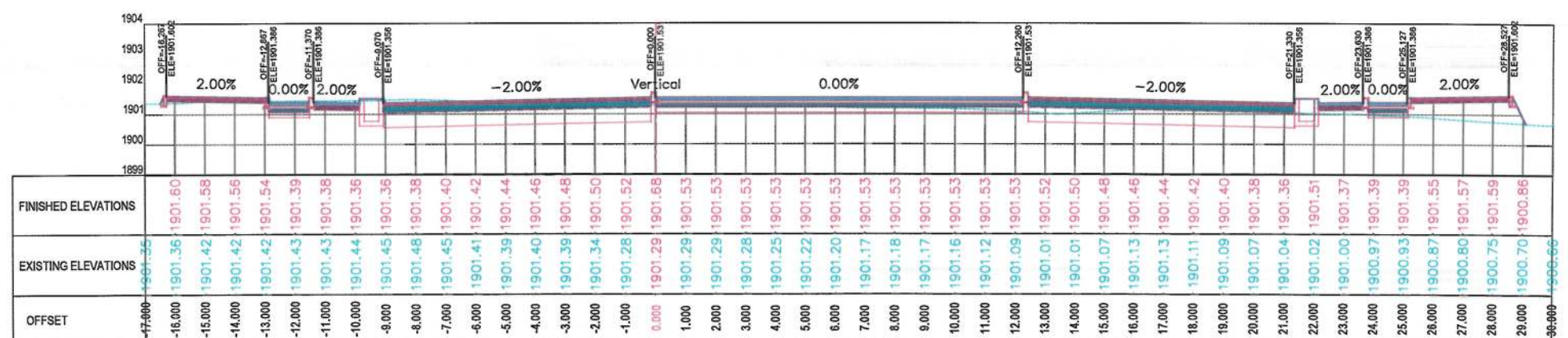
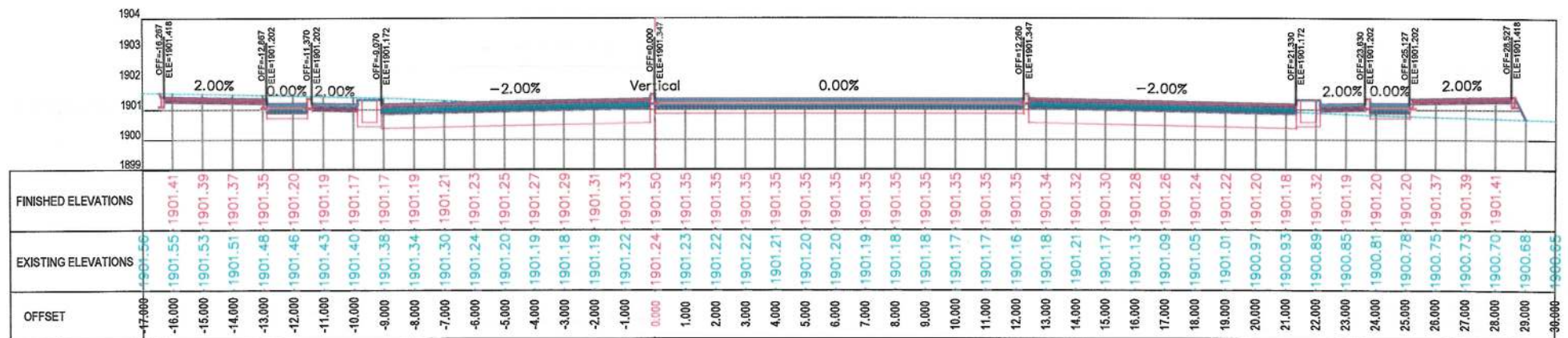
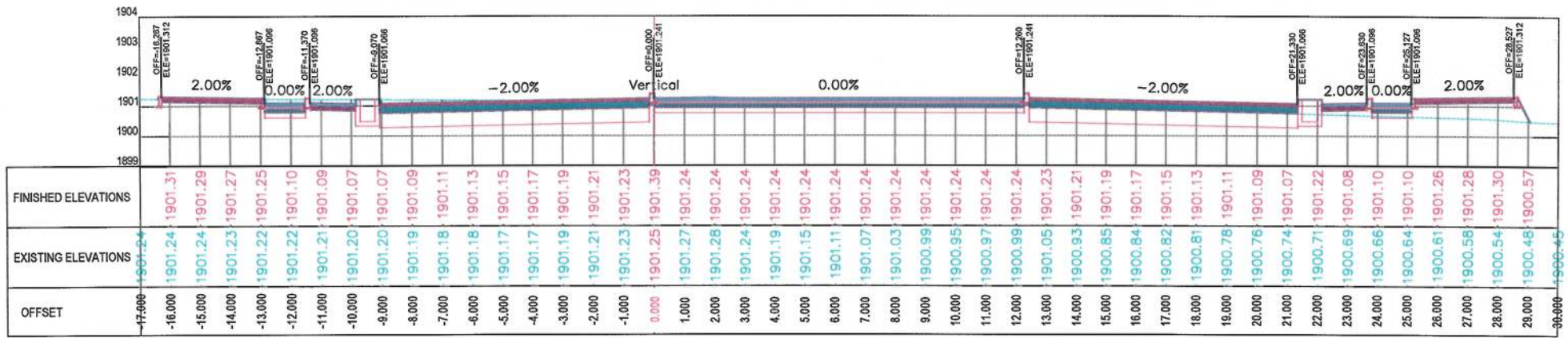
Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirat
 Drawn by: Mohammad Essa Sirat
 Checked by: Hasibullah Shalizi

Date: 9/26/2023
 Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-72
 Drawing Number: 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:
Orfani to Omid-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Main Alignment)

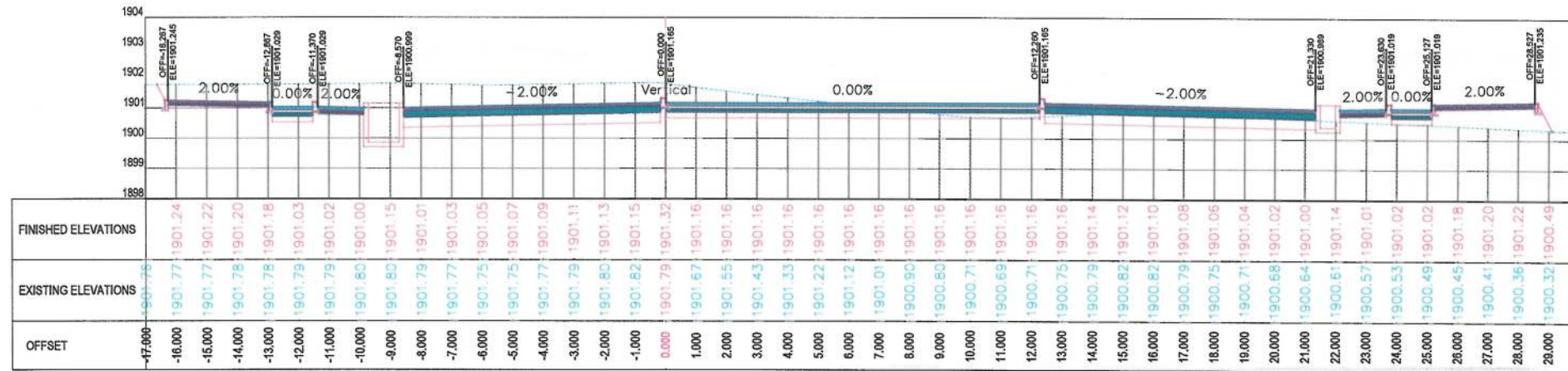
Designed by:
Drawn by:
Checked by:

Date: 9/26/2023
Scale: 1:200

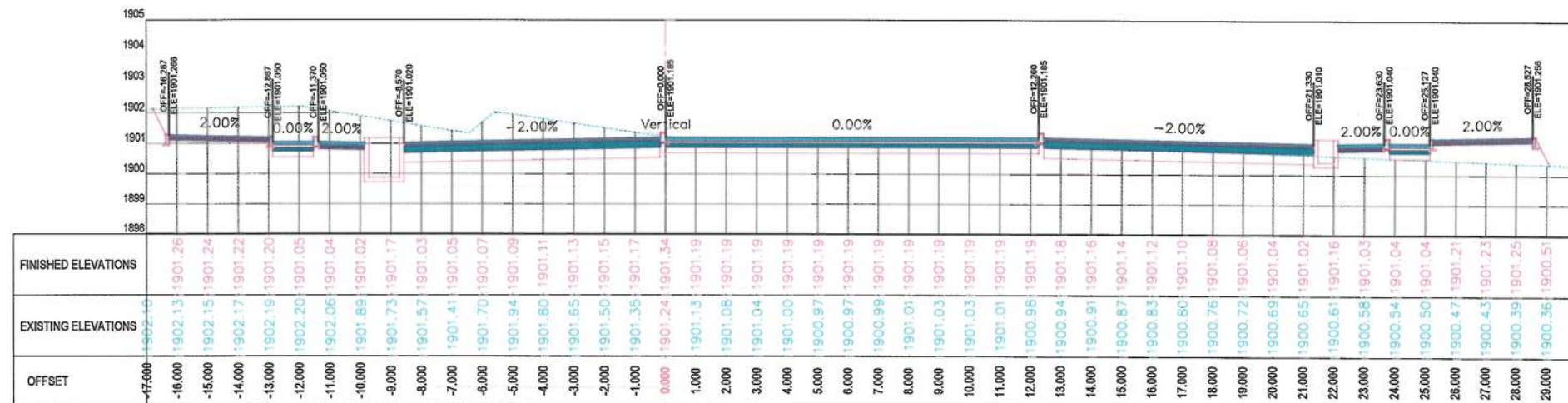
Status: FINAL DESIGN

Project Code

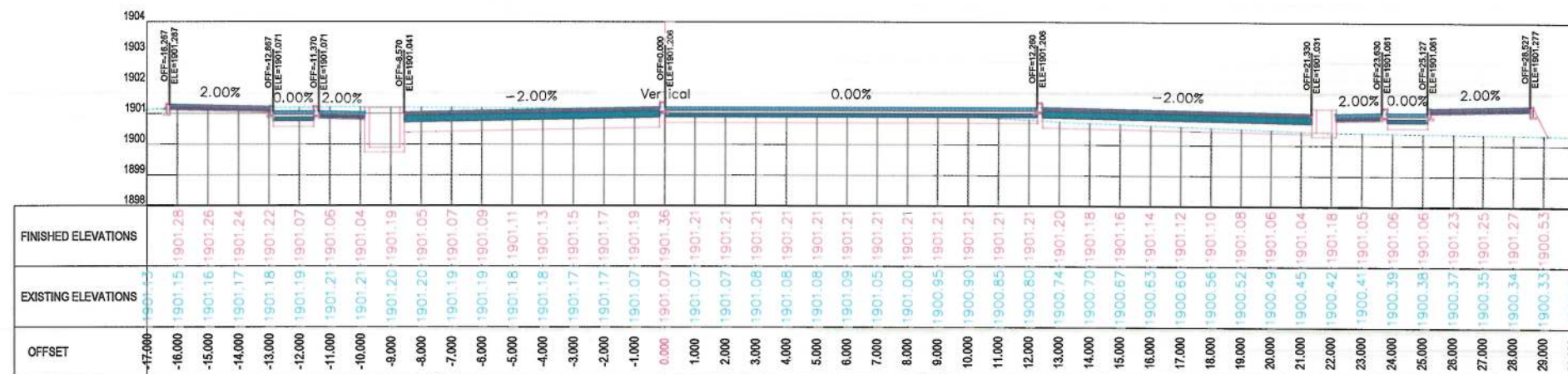
Drawing Number: CS-73
Revision: 00



3+480.00



3+460.00



3+440.00

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:
 Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
 CROSS SECTIONS (Main Alignment)

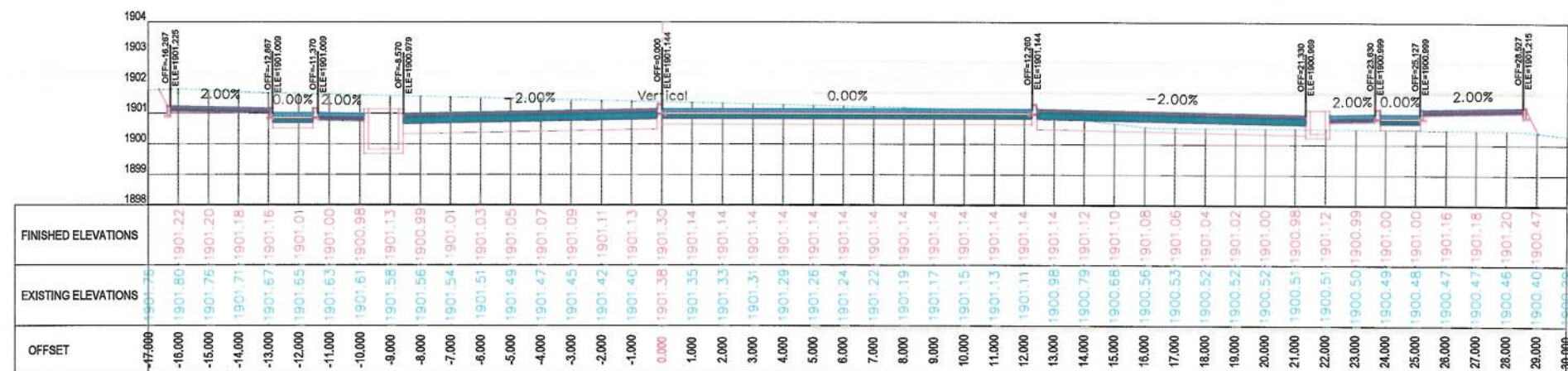
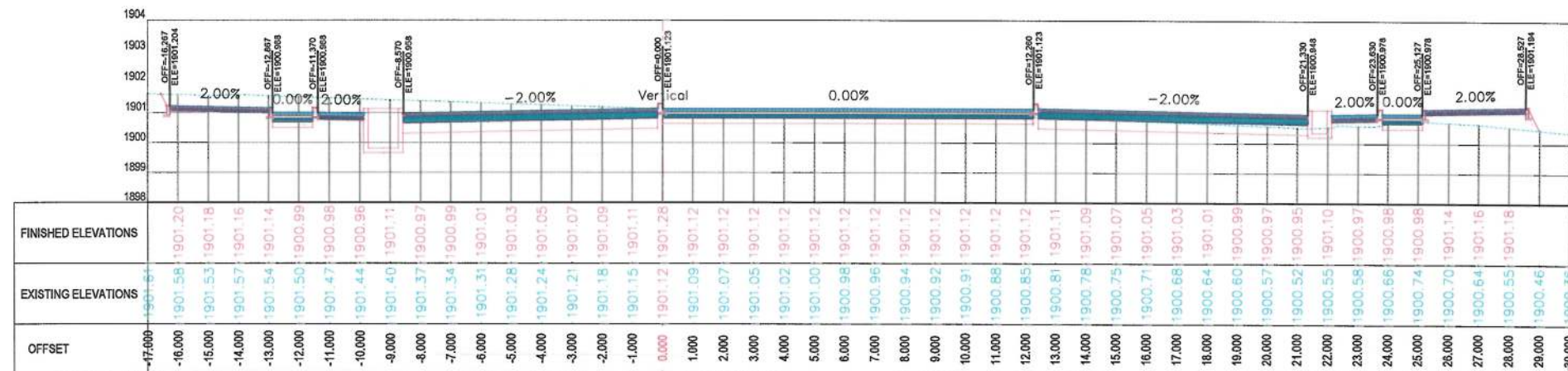
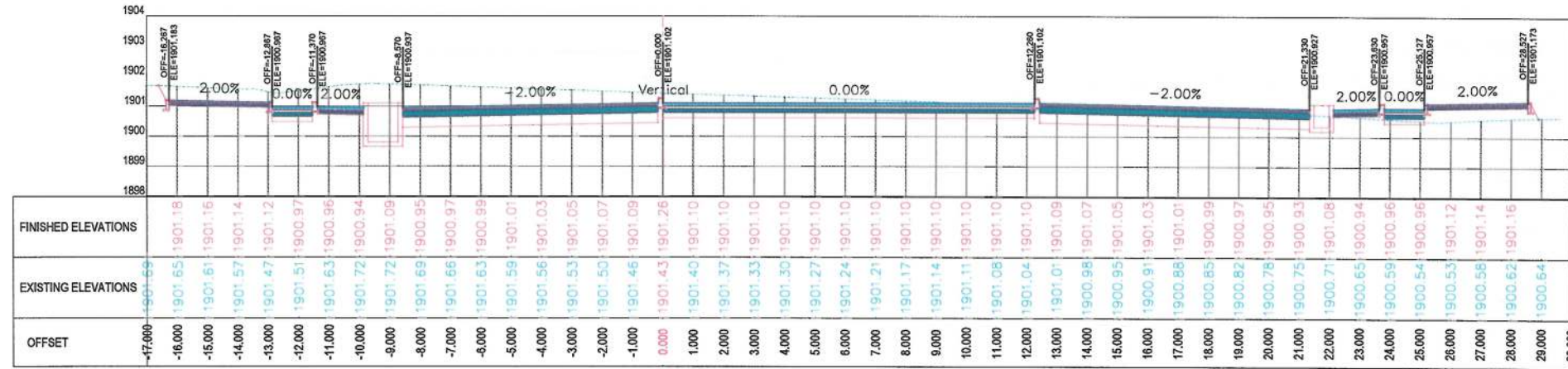
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/20/2023	Scale: 1:200
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Status:
FINAL DESIGN

Project Code

Drawing Number CS-74	Revision 00
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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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
CROSS SECTIONS
(Main Alignment)

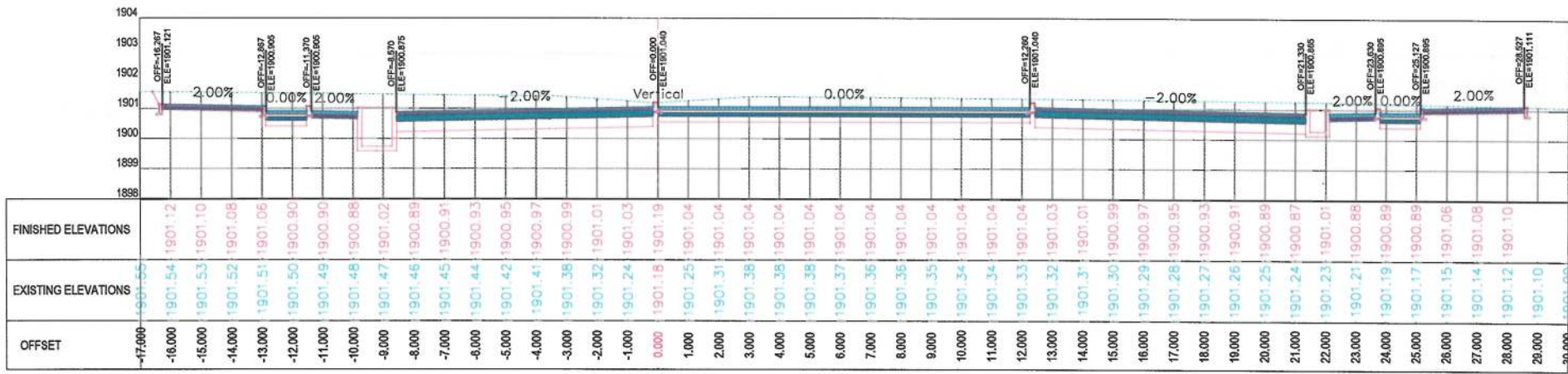
Designed by:	Signature:
Mohammad Essa Sira	
Drawn by:	Signature:
Mohammad Essa Sira	
Checked by:	Signature:
Hassanullah Shalizi	

Date:	Scale:
9/20/2023	1:200

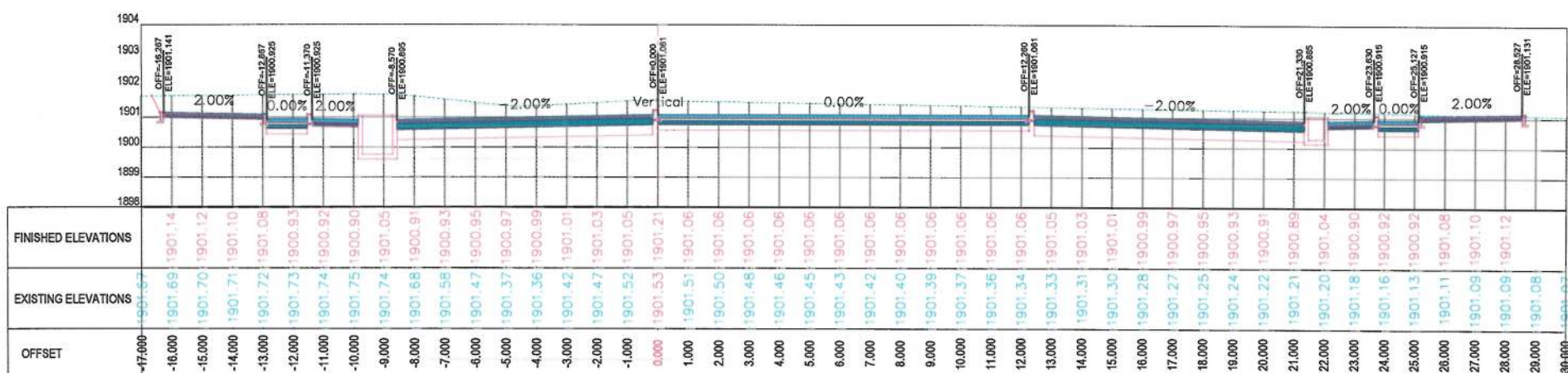
Status:
FINAL DESIGN

Project Code

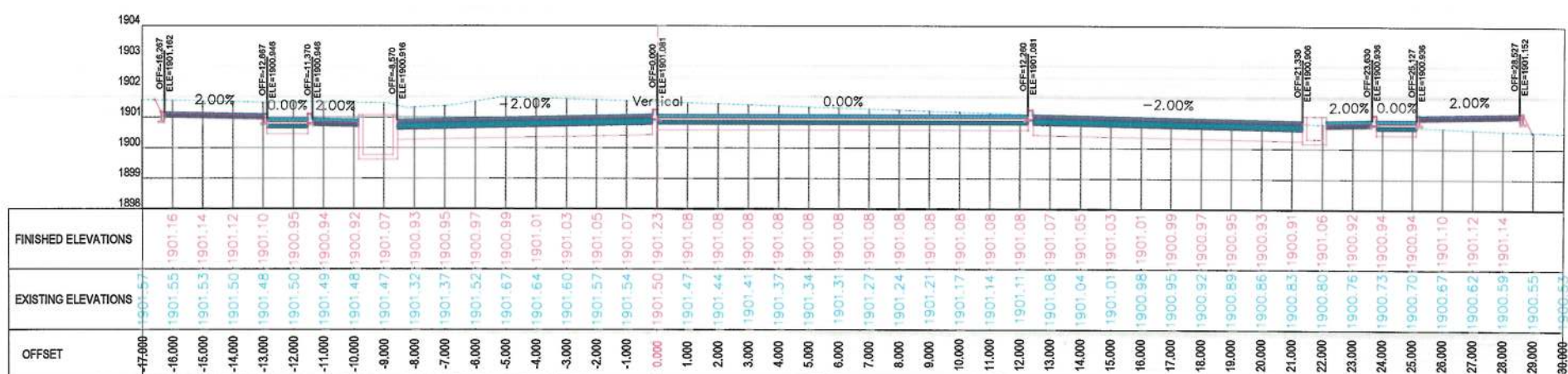
Drawing Number	Revision
CS-75	00



3+600.00



3+580.00



3+560.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

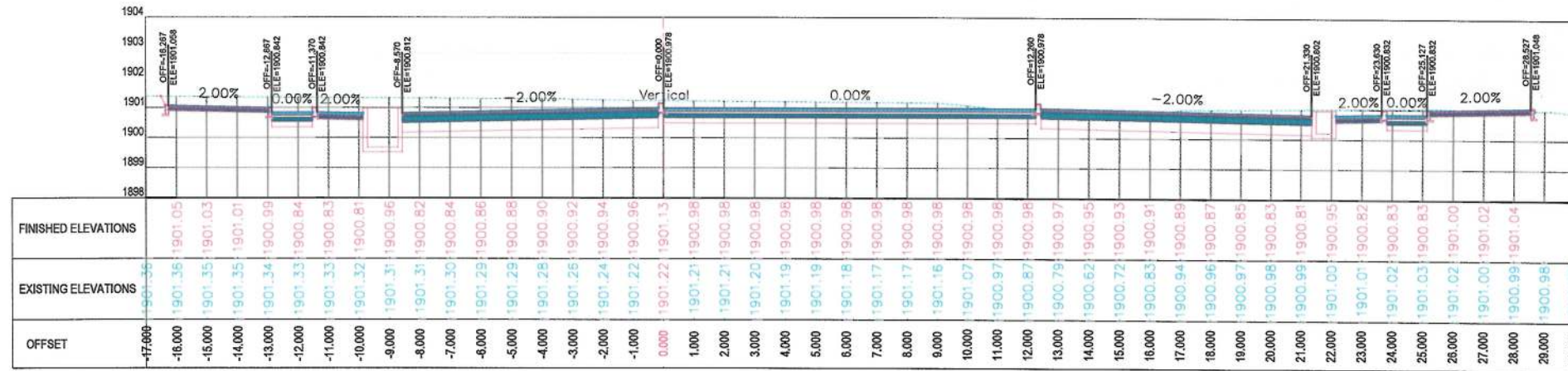
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/20/2023
Scale: 1:200

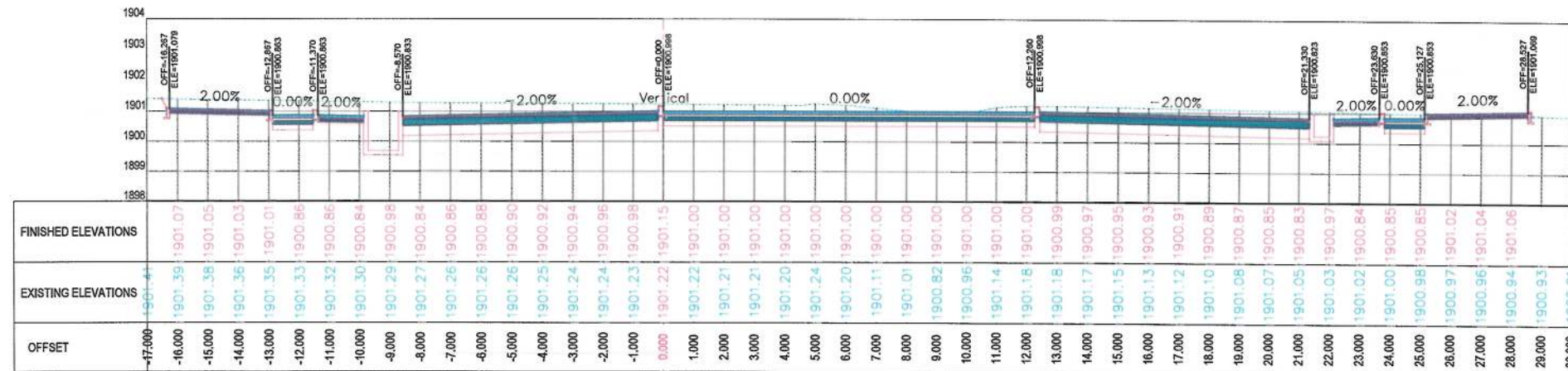
Status: FINAL DESIGN

Project Code: CS-76

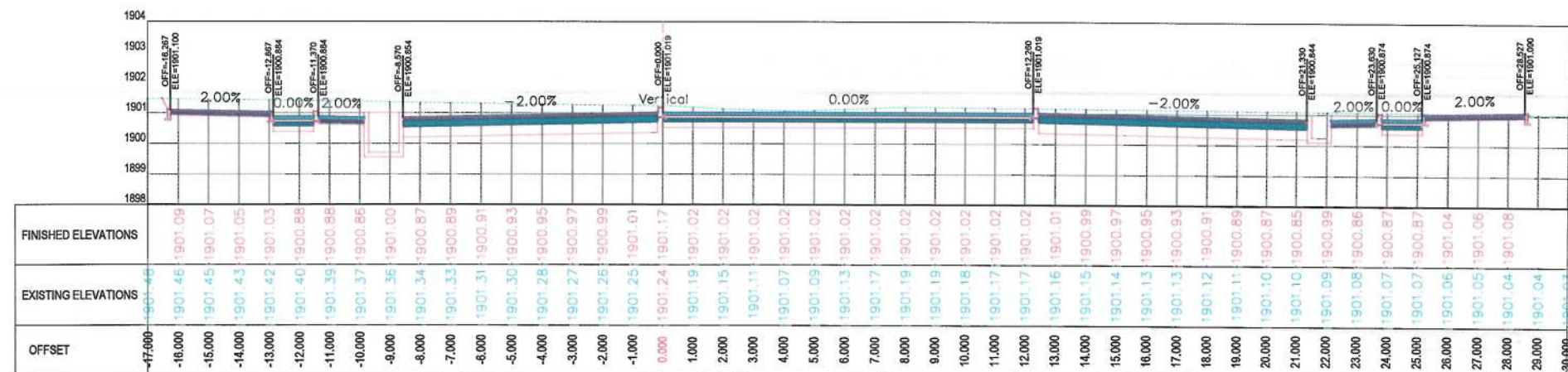
Drawing Number: 00



3+660.00



3+640.00



3+620.00

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:
 Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
 CROSS SECTIONS (Main Alignment)

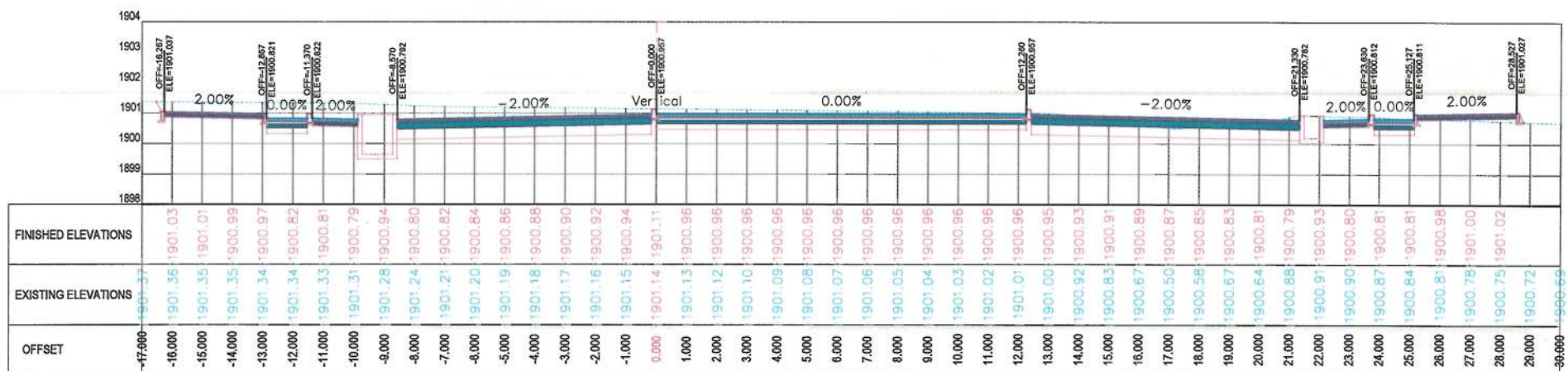
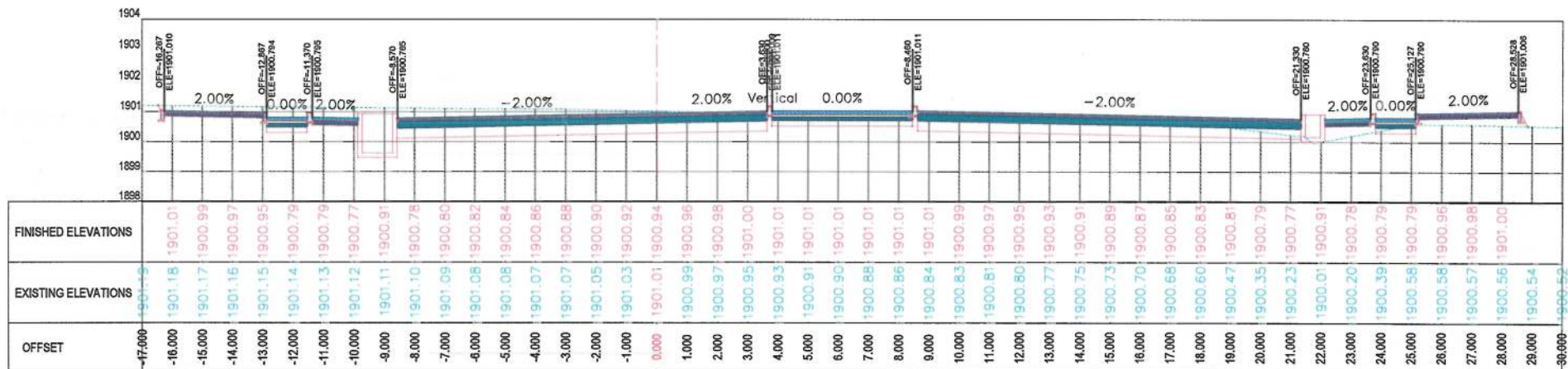
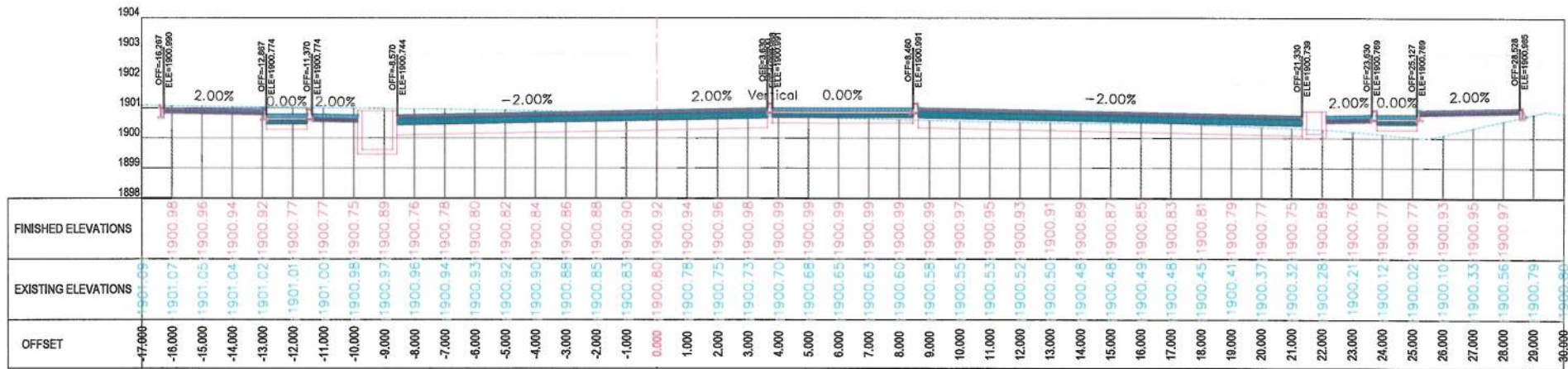
Designed by: Mohammad Essa Sirat	Signature:
Drawn by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/20/2023	Scale: 1:200
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Status:
 FINAL DESIGN

Project Code

Drawing Number CS-77	Revision 00
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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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:
**CROSS SECTIONS
(Main Alignment)**

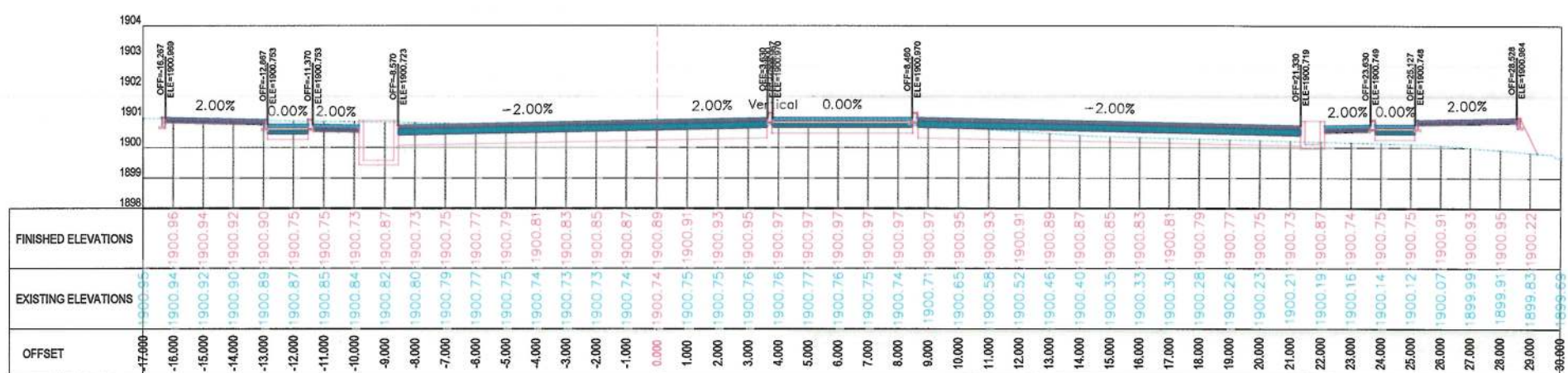
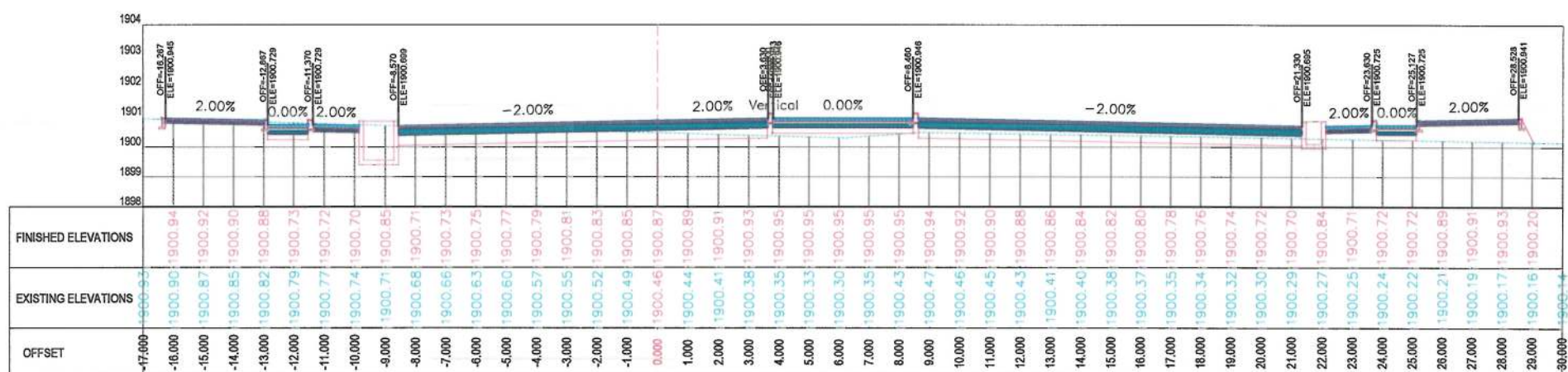
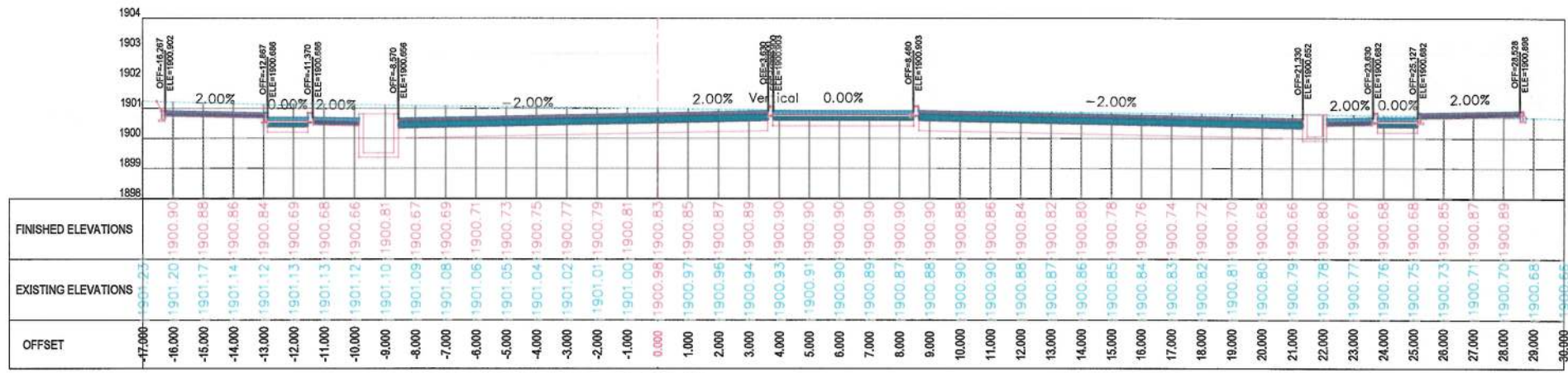
Designed by: Mohammad Essa Sirt	Signature:
Drawn by: Mohammad Essa Sirt	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/20/2023	Scale: 1:200
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Status:
FINAL DESIGN

Project Code

Drawing Number CS-78	Revision 00
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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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

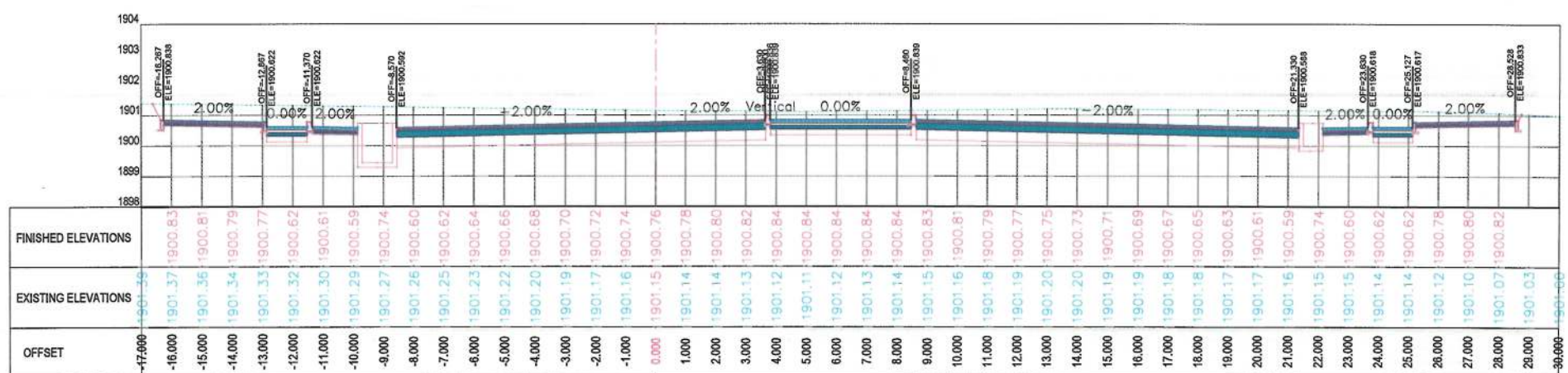
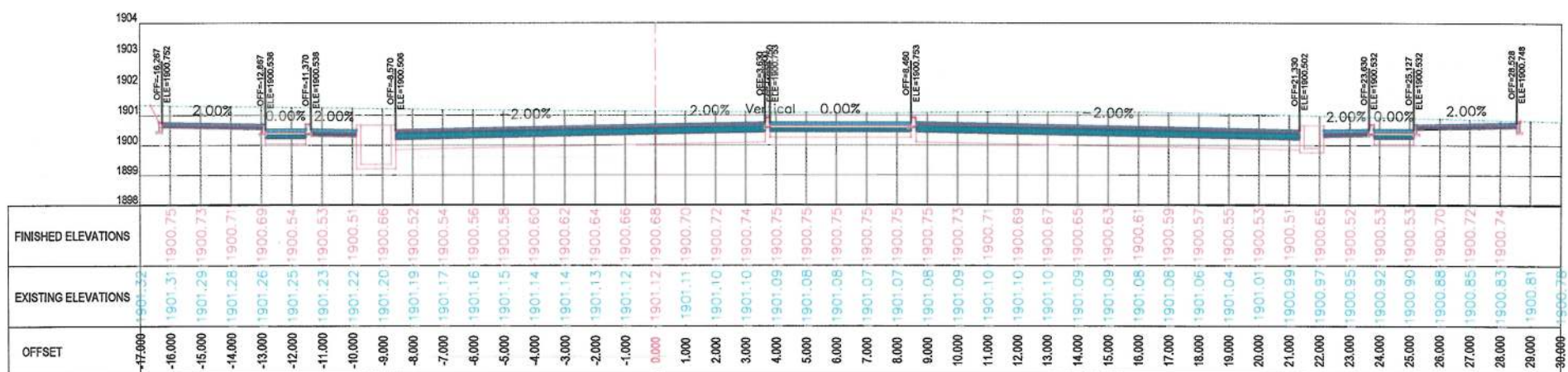
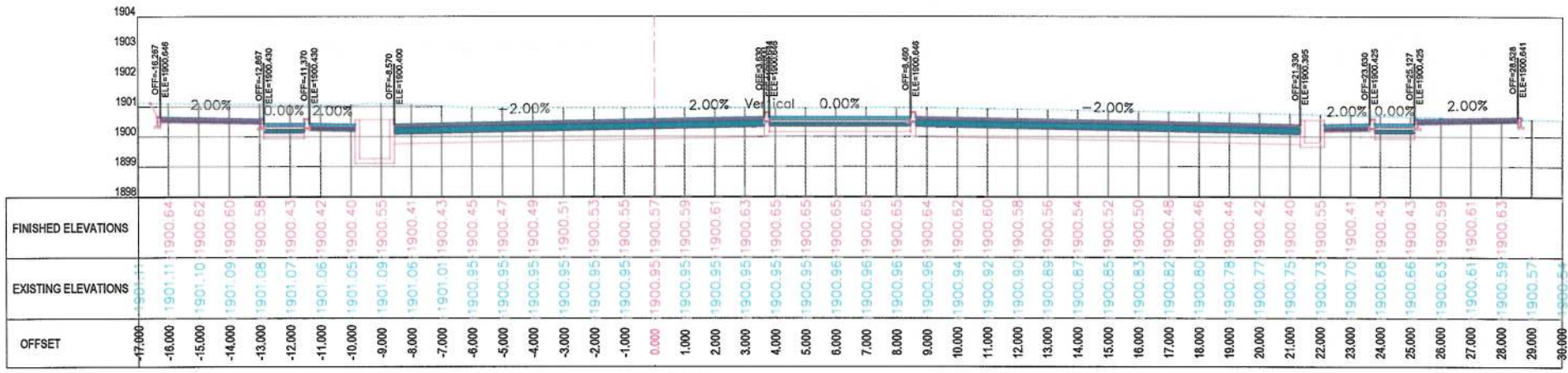
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/20/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-79

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

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Main Alignment)

Designed by: Mohammad Essa Sirt
Drawn by: Mohammad Essa Sirt
Checked by: Hanibullah Shalizi

Date: 9/20/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-80
Drawing Number: 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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Main Alignment)

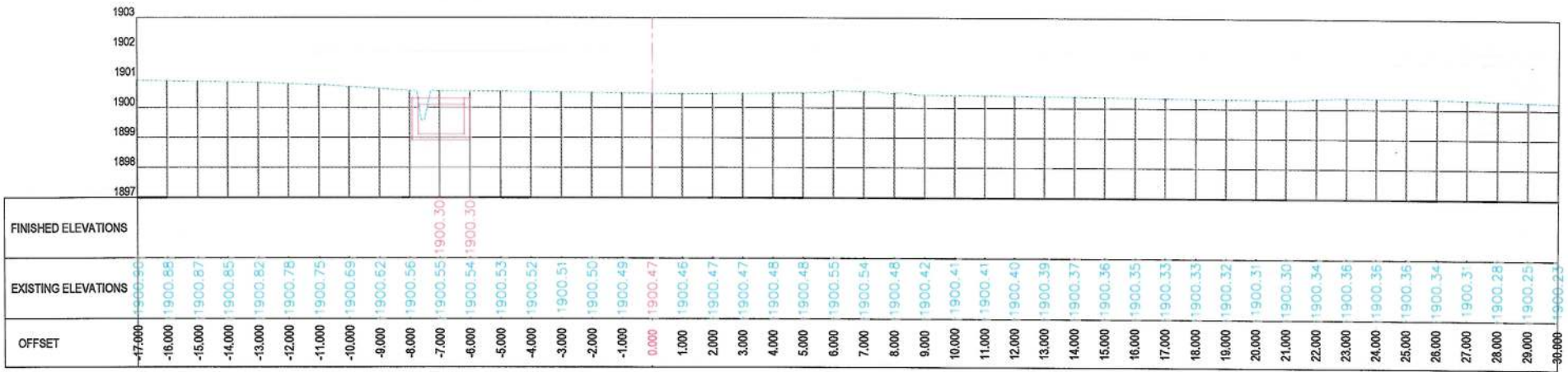
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/20/2023
Scale: 1:200

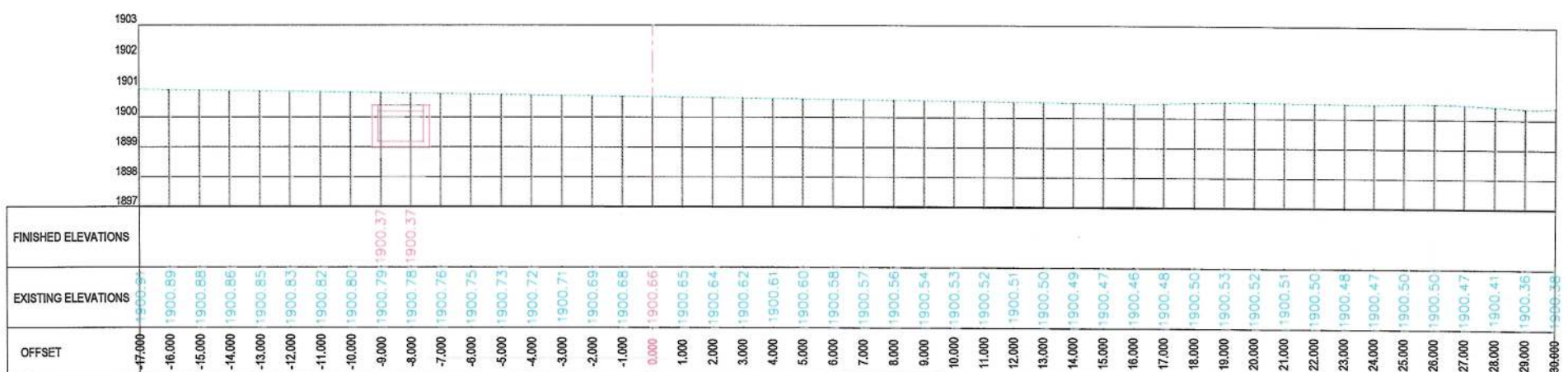
Status: FINAL DESIGN

Project Code

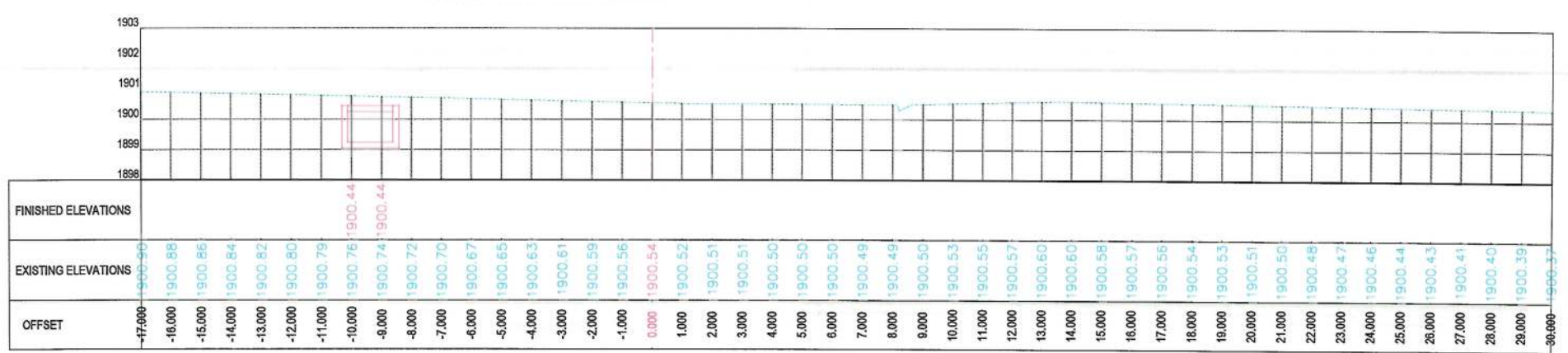
Drawing Number: CS-81
Revision: 00



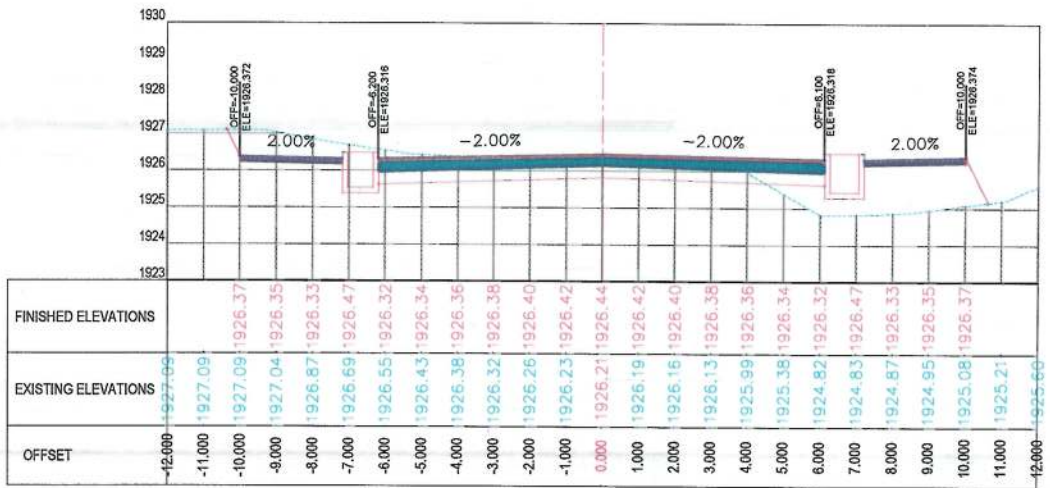
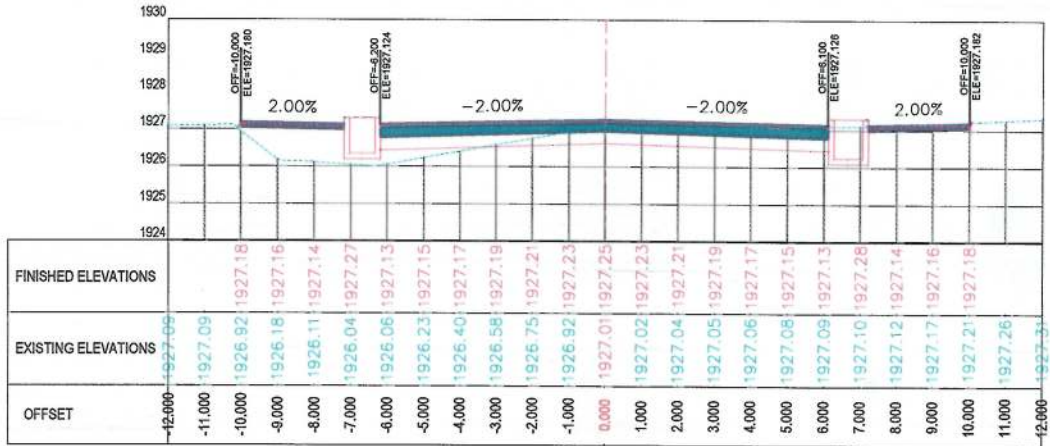
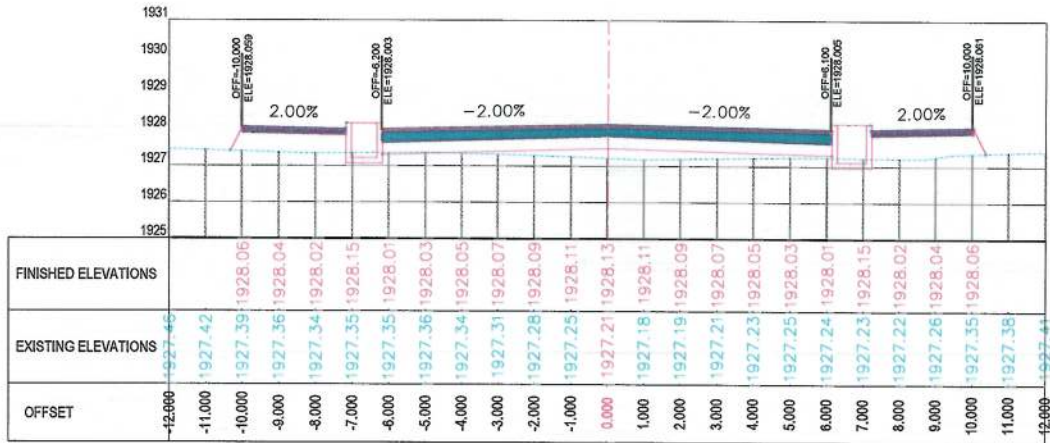
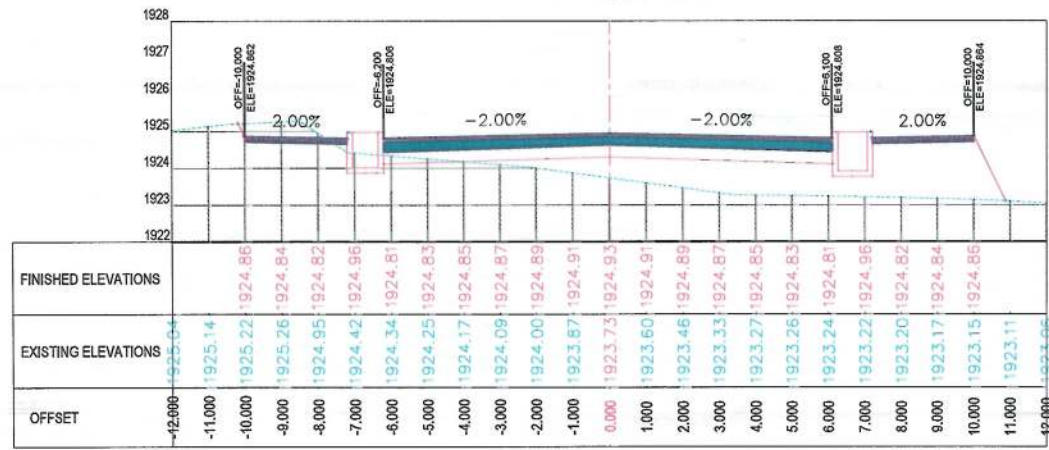
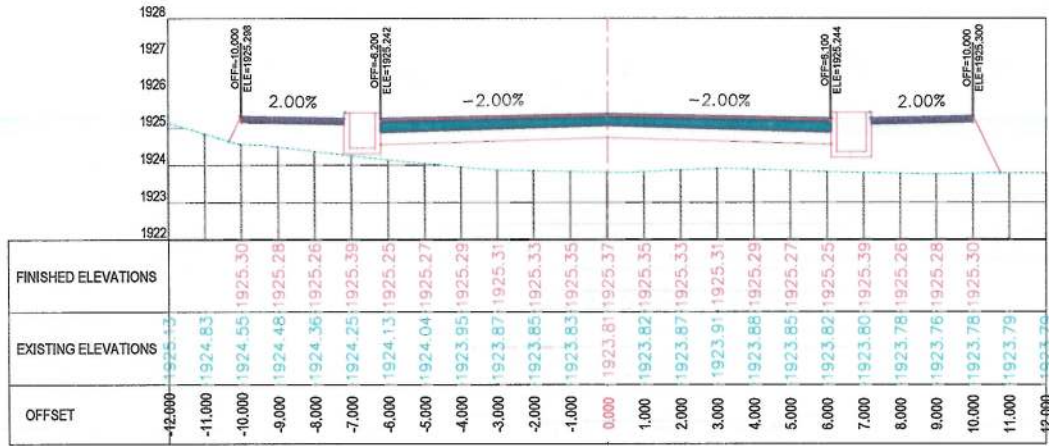
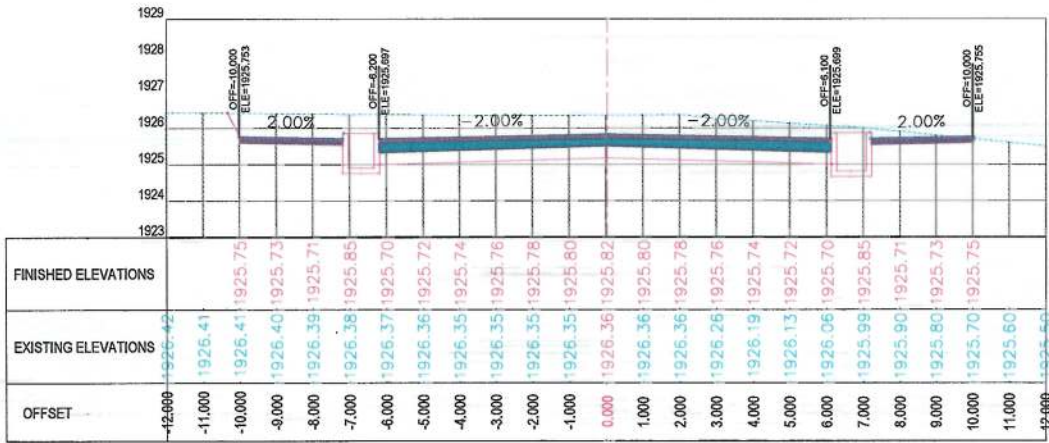
3+873.48



3+860.00



3+845.76



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

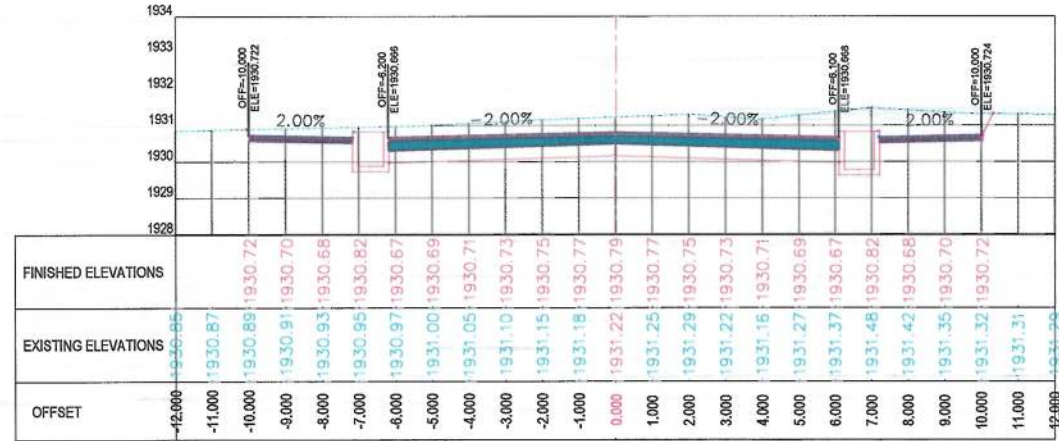
LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE
--- EXISTING SIDE DITCH

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

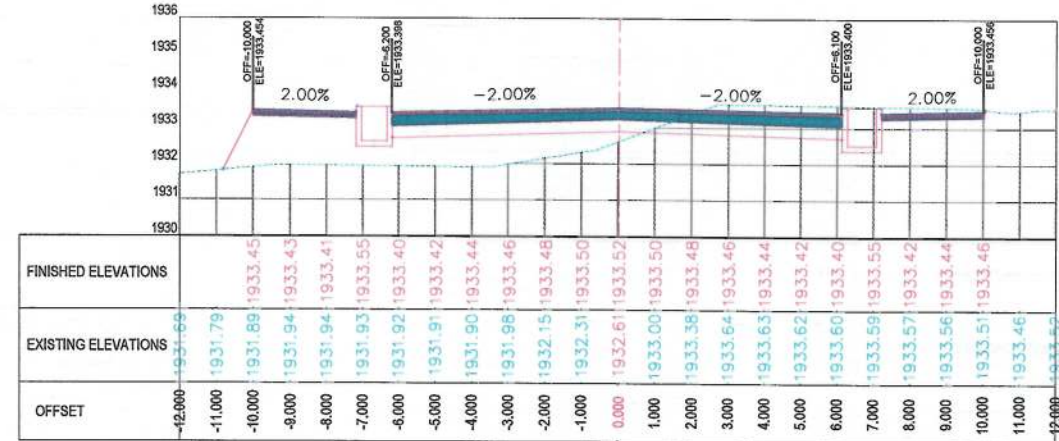
Client: KABUL MUNICIPALITY
Designed by: KABUL MUNICIPALITY DESIGN TEAM
Project Name: Orfani to Omid-e-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Sub Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

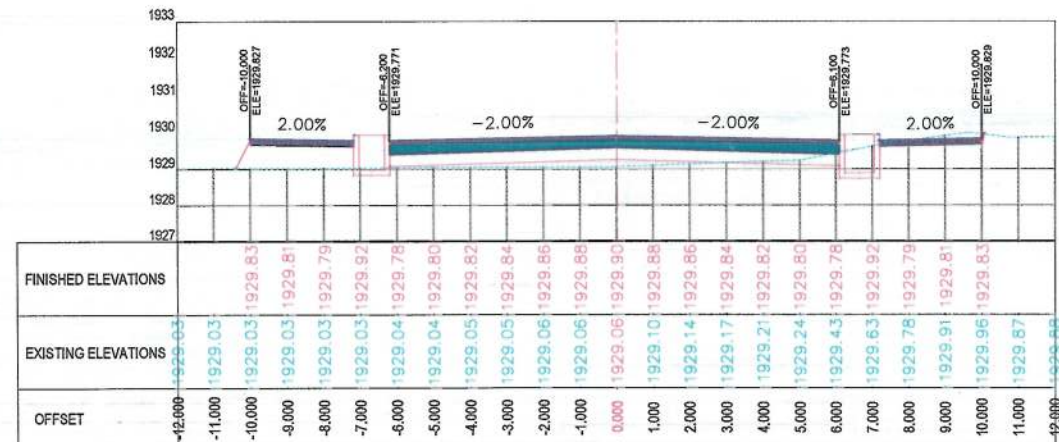
Date: 9/17/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
Drawing Number: CS-1
Revision: 00



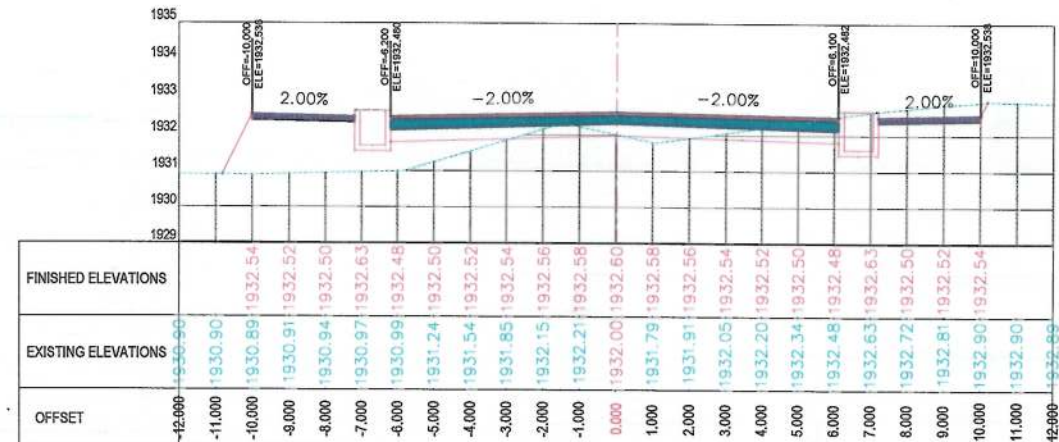
0+160.00



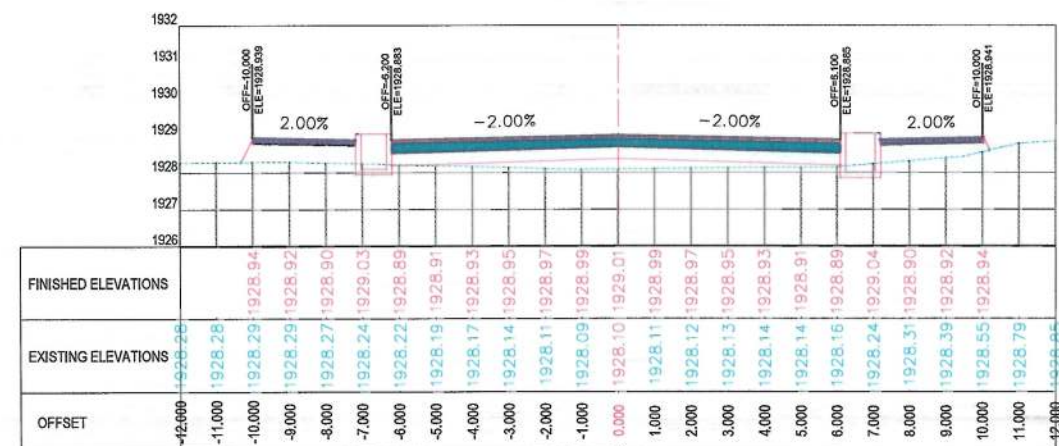
0+220.00



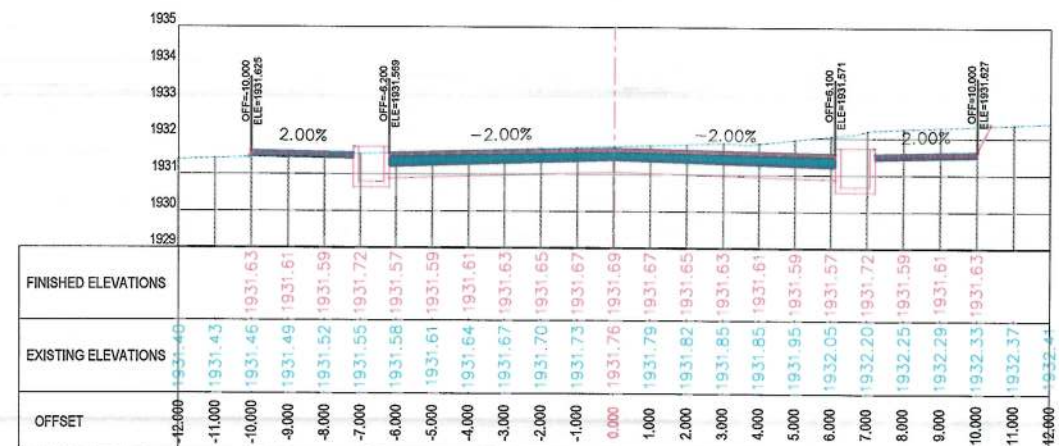
0+140.00



0+200.00



0+120.00



0+180.00

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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Sub Alignment)

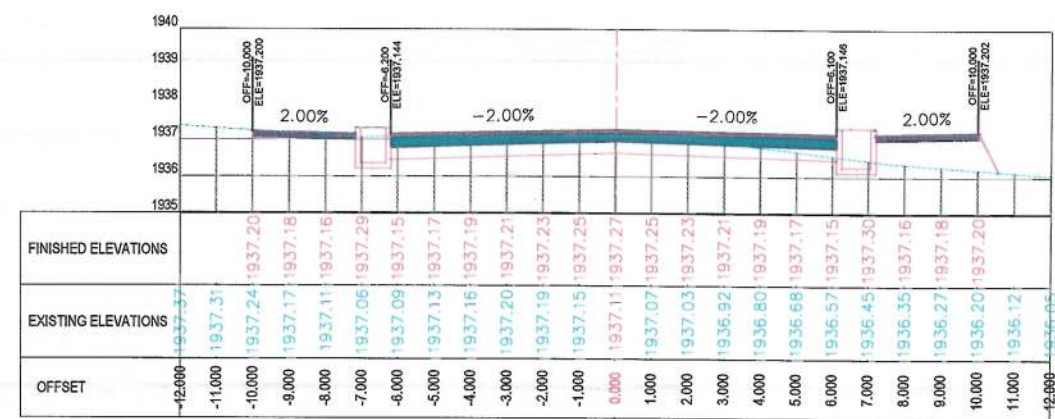
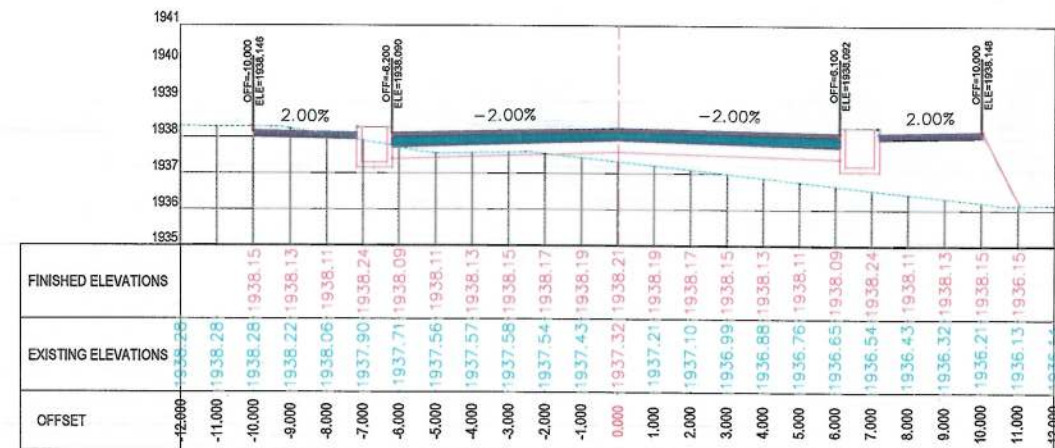
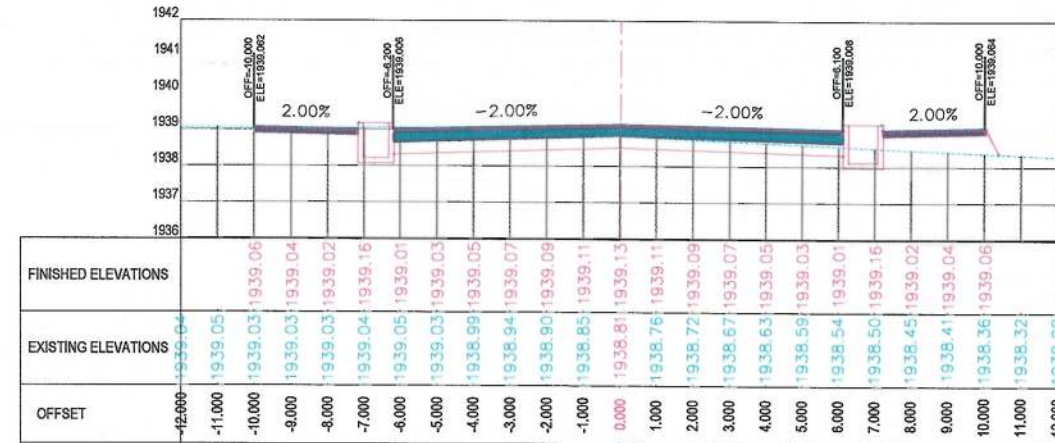
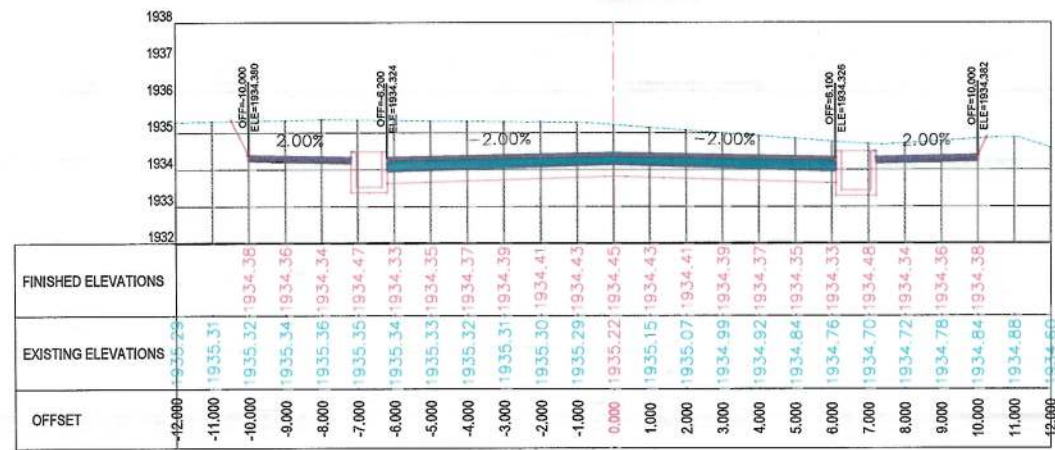
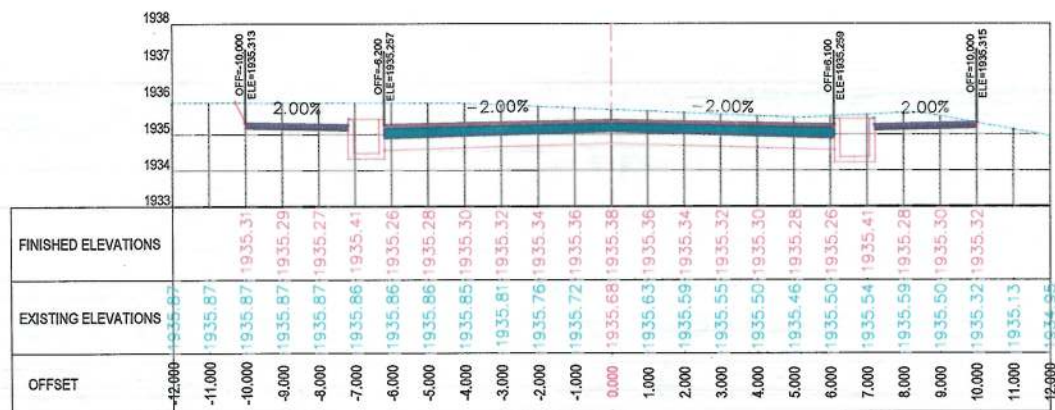
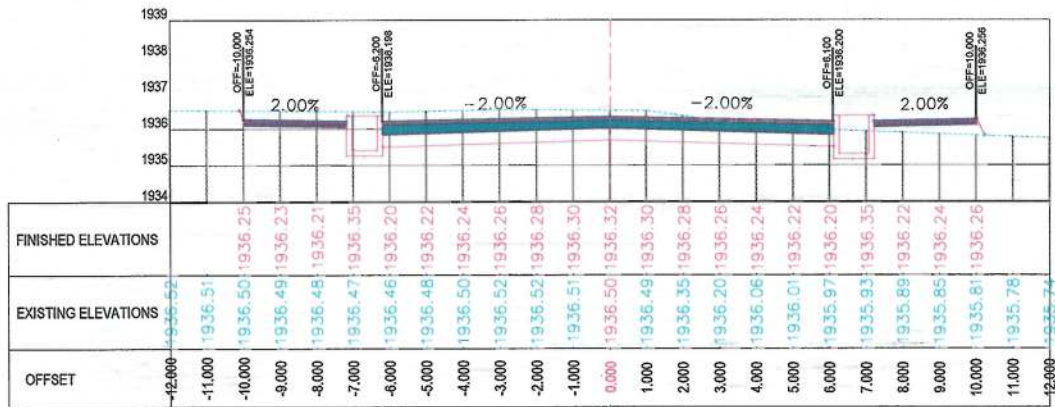
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hassiullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-2

Drawing Number: 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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Sub Alignment)

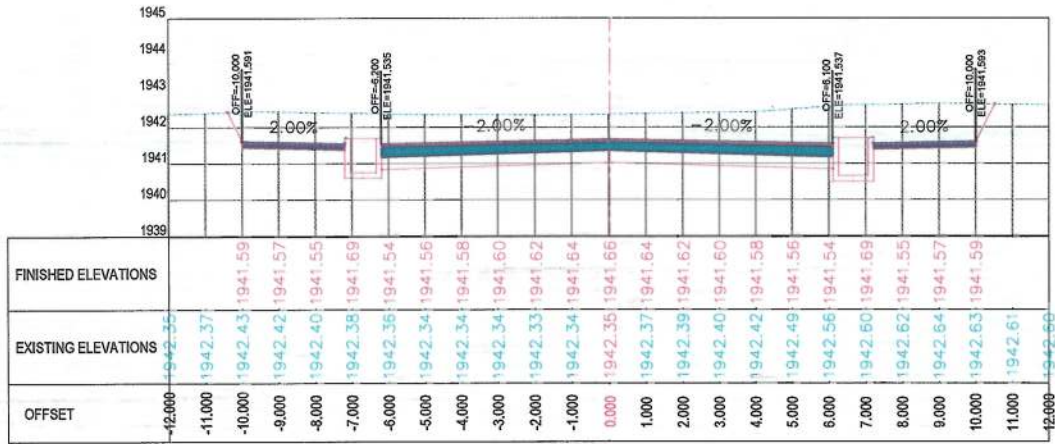
Designed by: Muhammad Essa Sirat
Drawn by: Muhammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/17/2023
Scale: 1:200

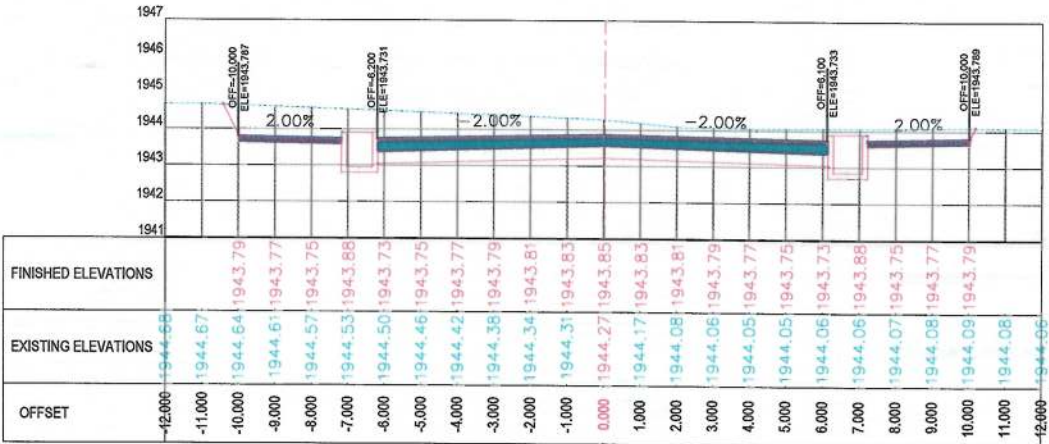
Status: FINAL DESIGN

Project Code

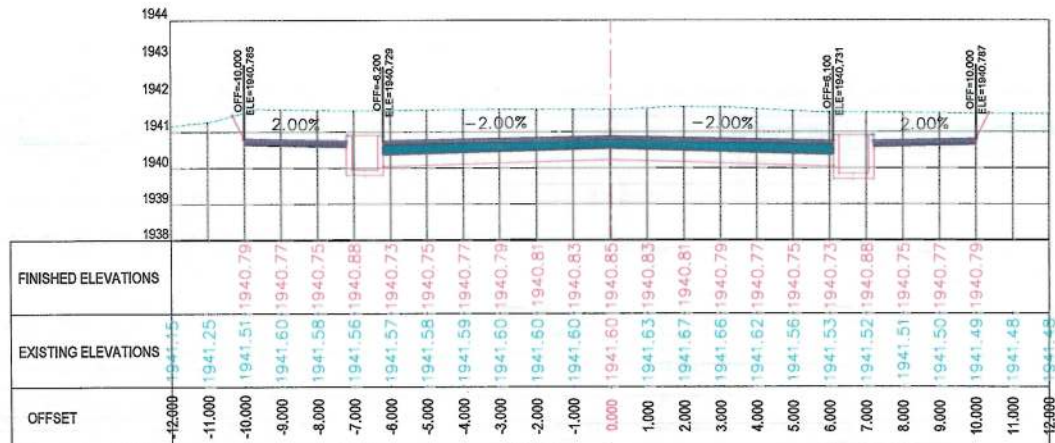
Drawing Number: CS-3
Revision: 00



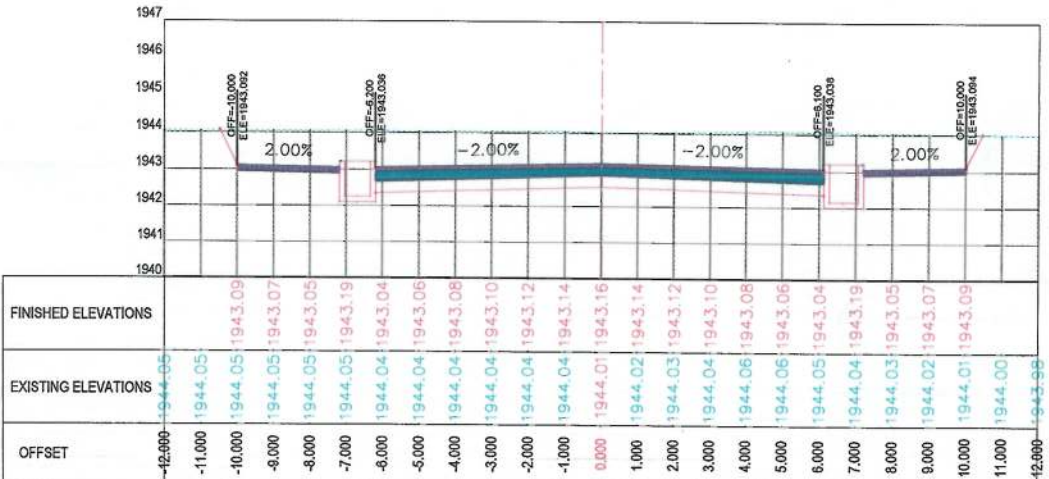
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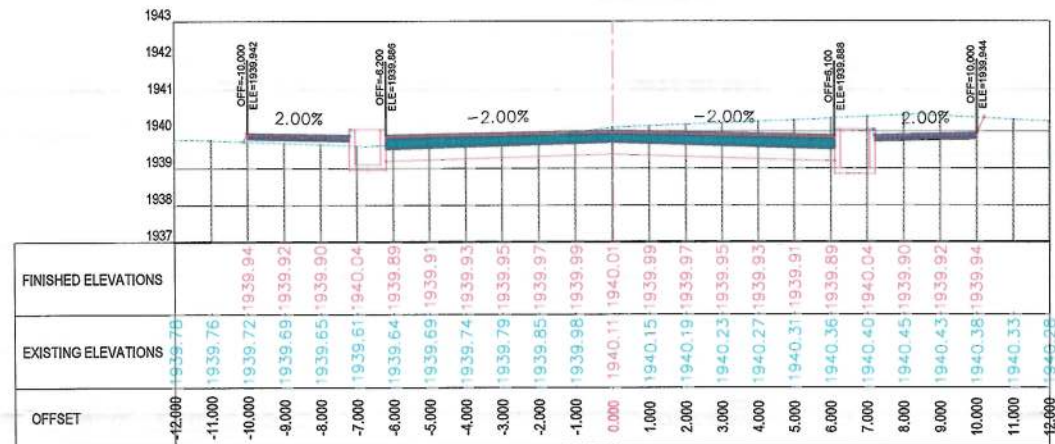
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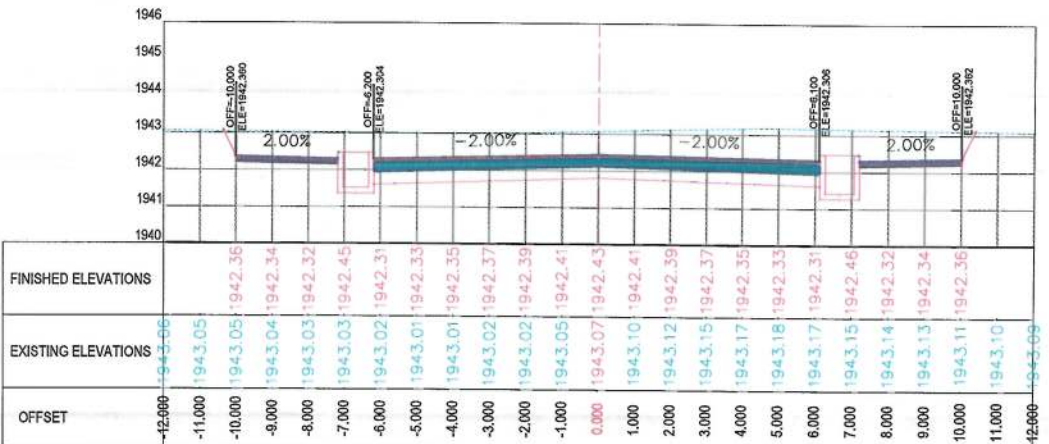
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0+440.00



0+360.00



0+420.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:
CROSS SECTIONS (Sub Alignment)

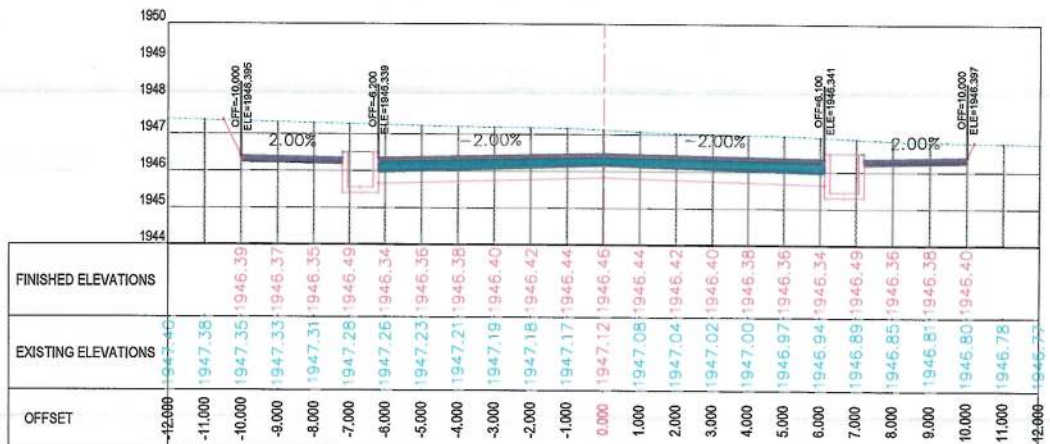
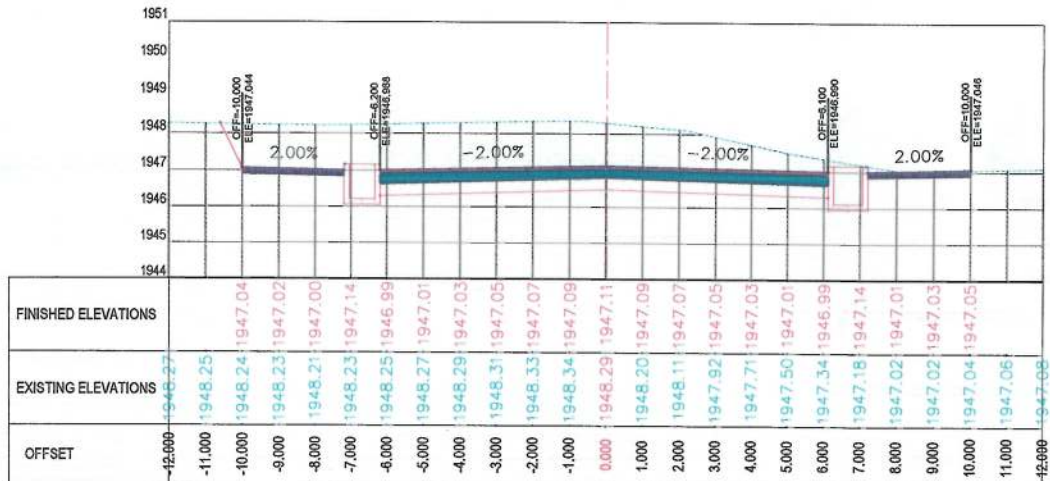
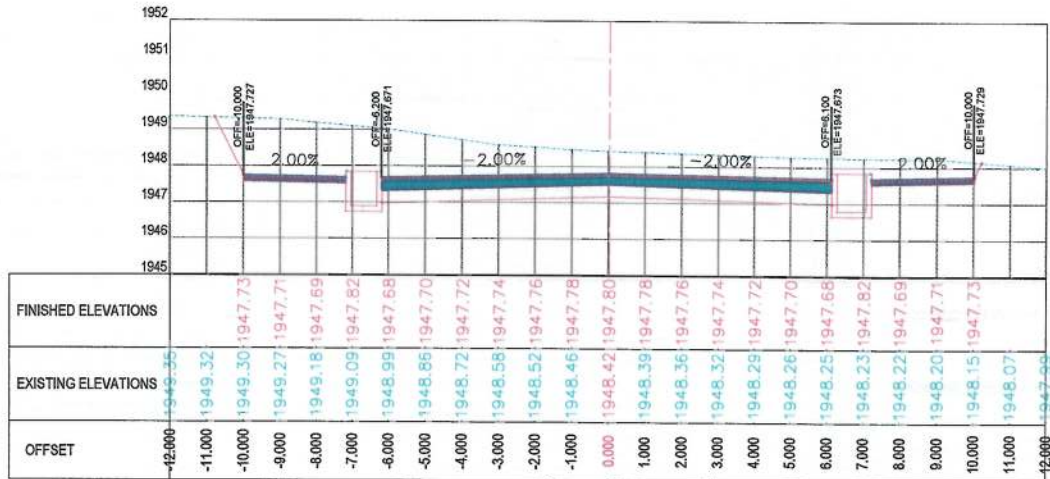
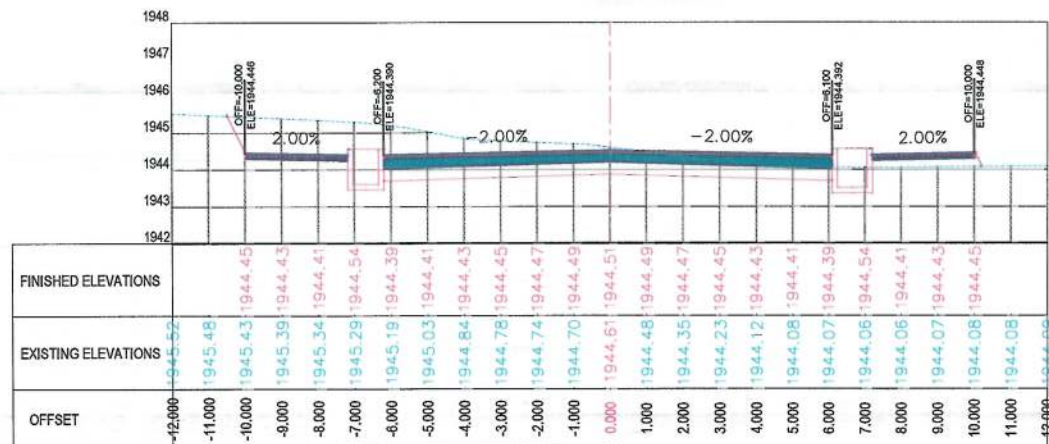
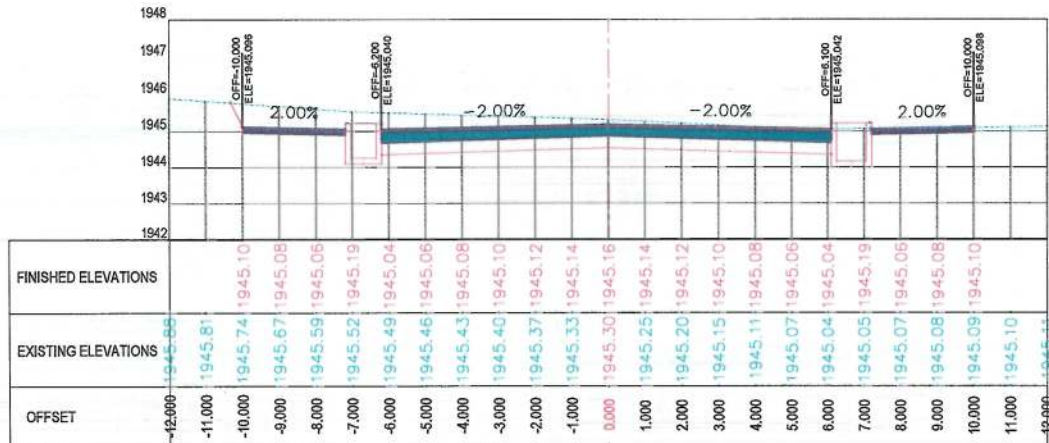
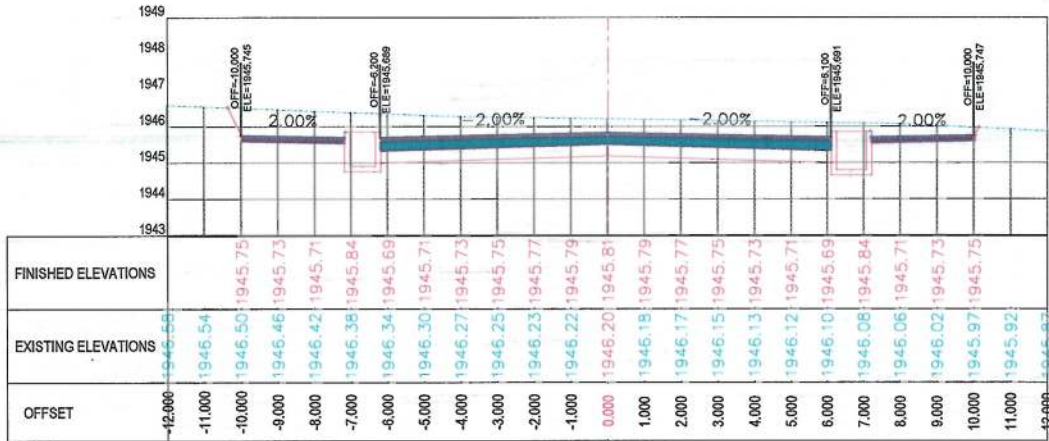
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hesabullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: CS-4
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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Sub Alignment)

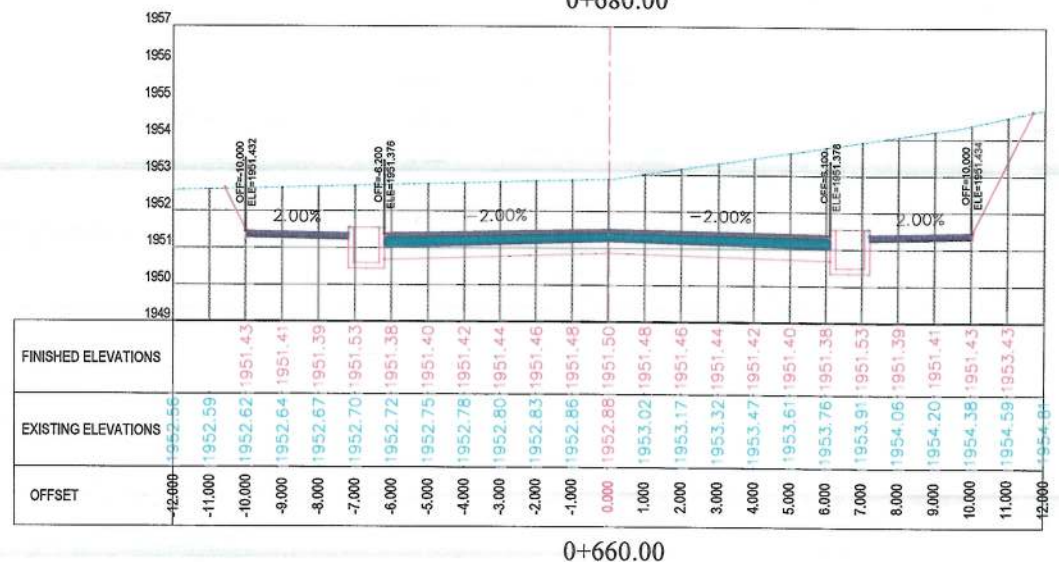
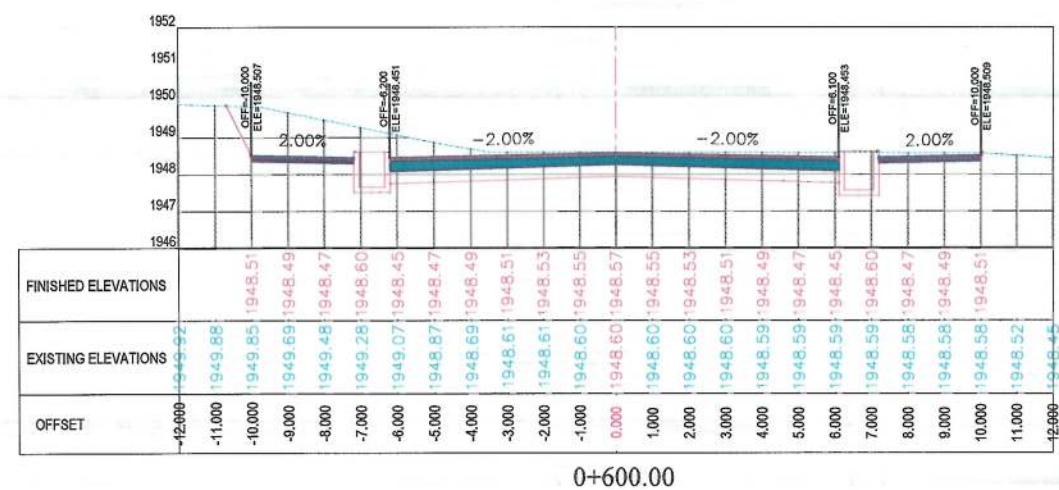
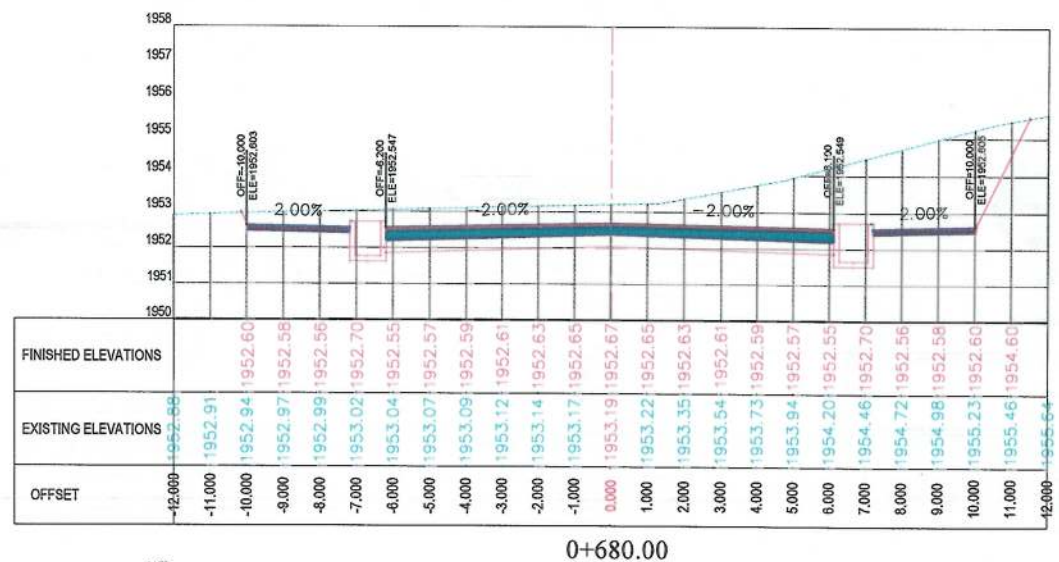
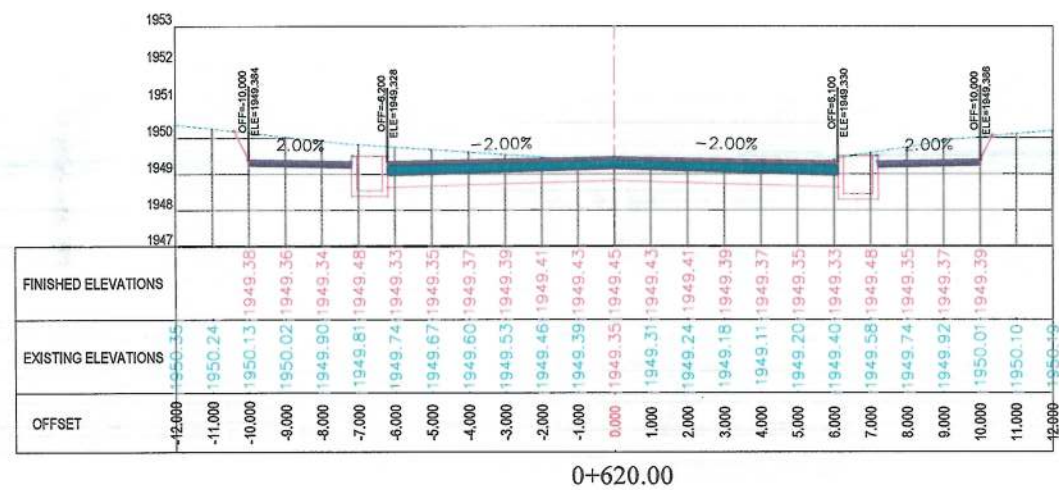
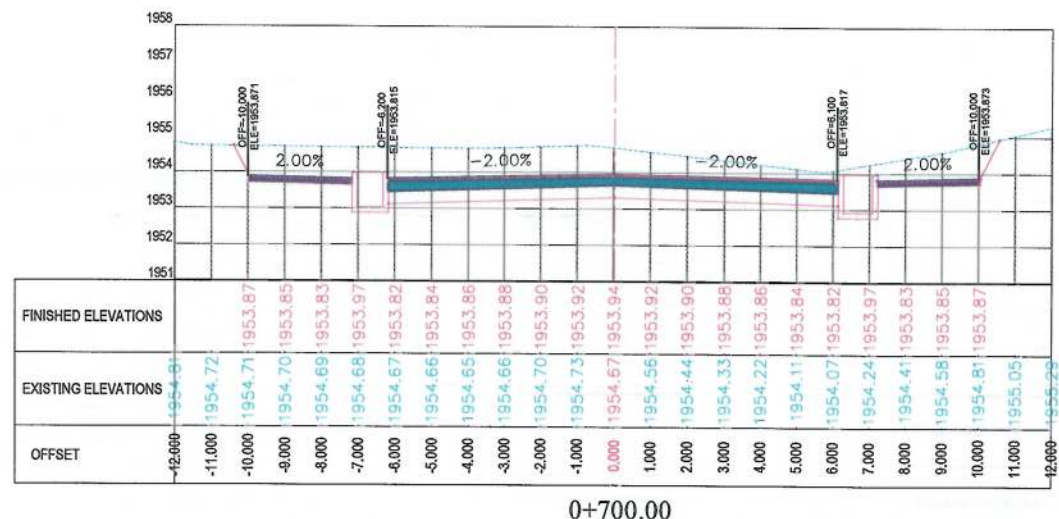
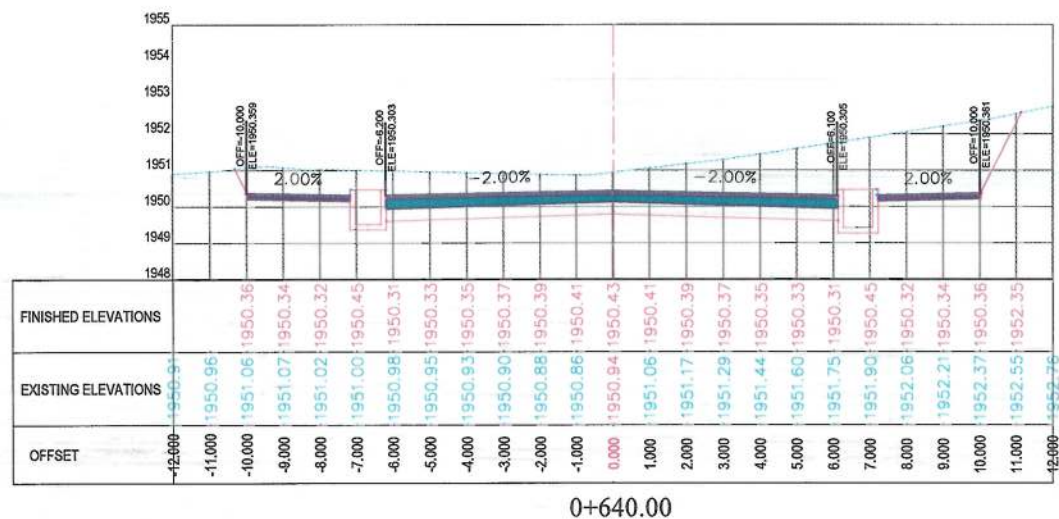
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code: CS-5

Drawing Number: CS-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
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ISLAMIC EMIRATE OF
AFGHANISTAN

Client:	
---------	--

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title

CROSS SECTIONS
(Sub Alignment)

Designed by:

Mohammad Essa Sirat

Drawn by:
Mohammad Fizza Sirat

Checked by:

Date: 9/17/2023

Scale: 1:200

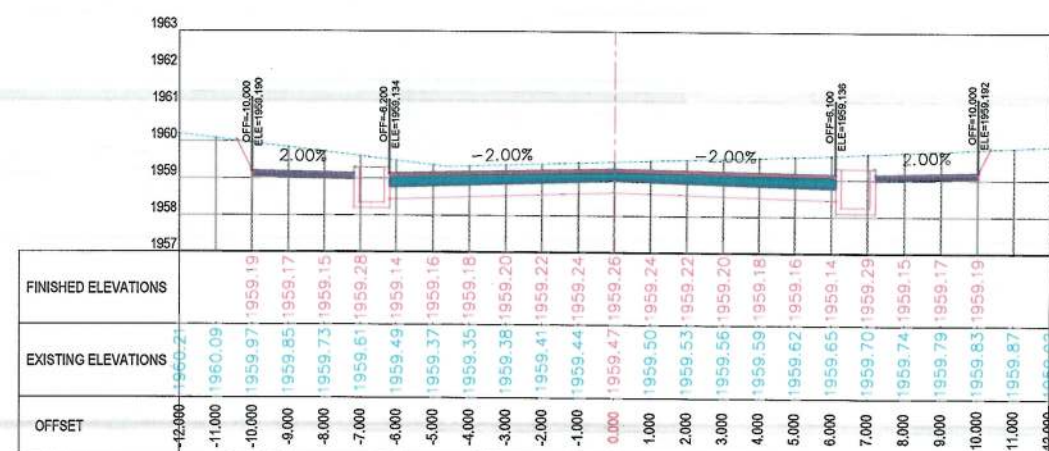
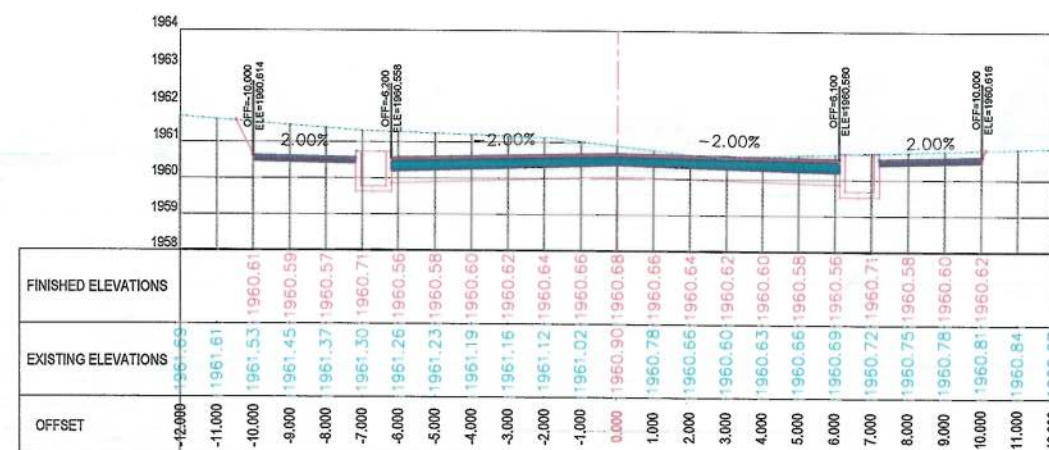
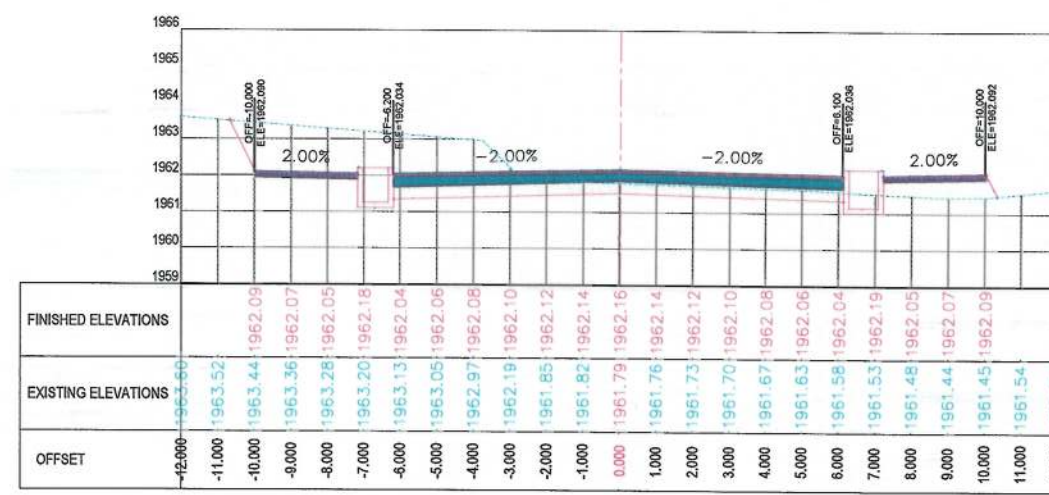
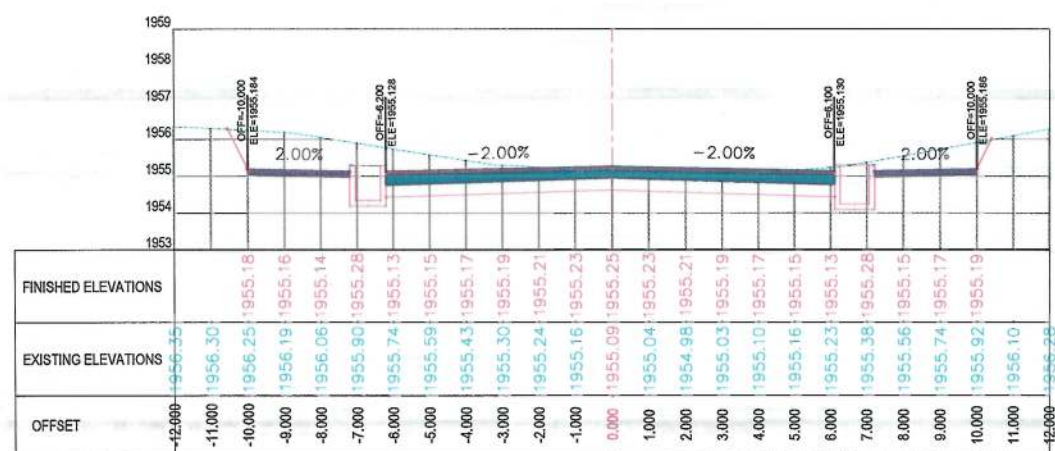
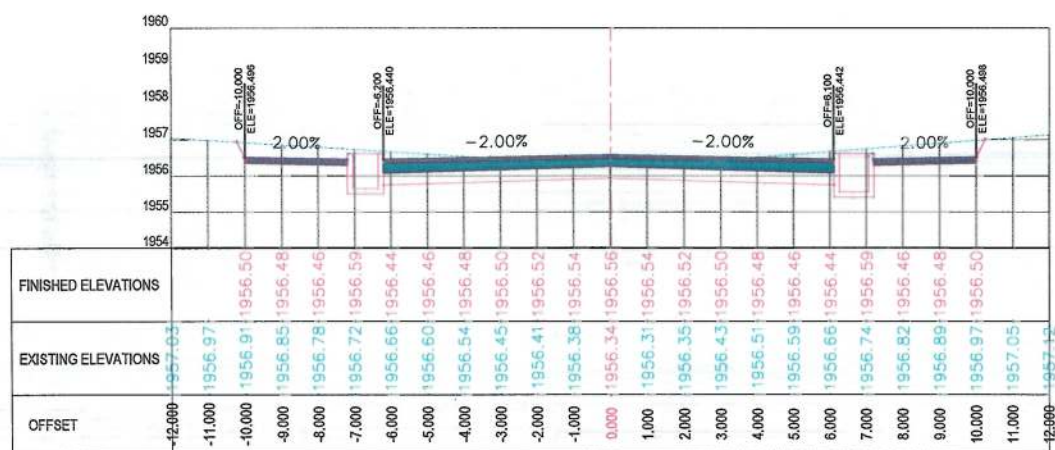
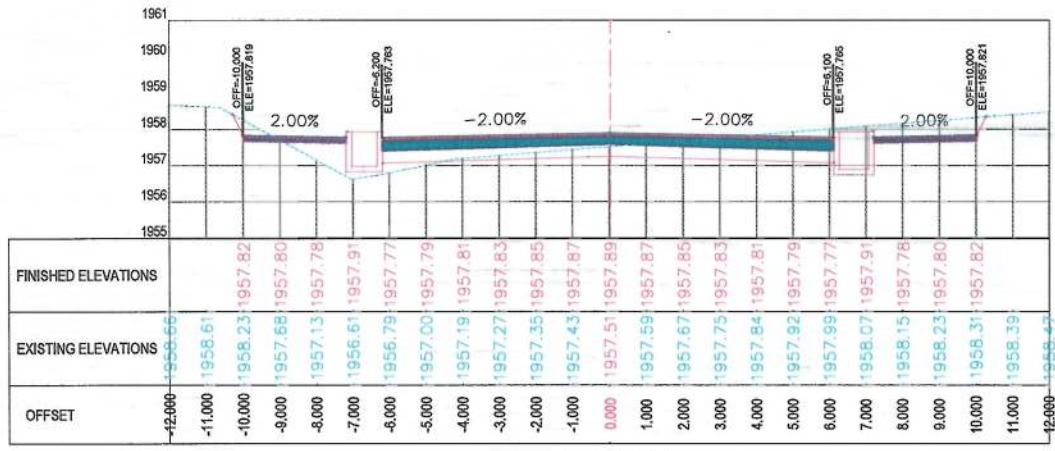
Status	
--------	--

FINAL DESIGN

Project Code	
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CS-6

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: Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title: CROSS SECTIONS (Sub Alignment)

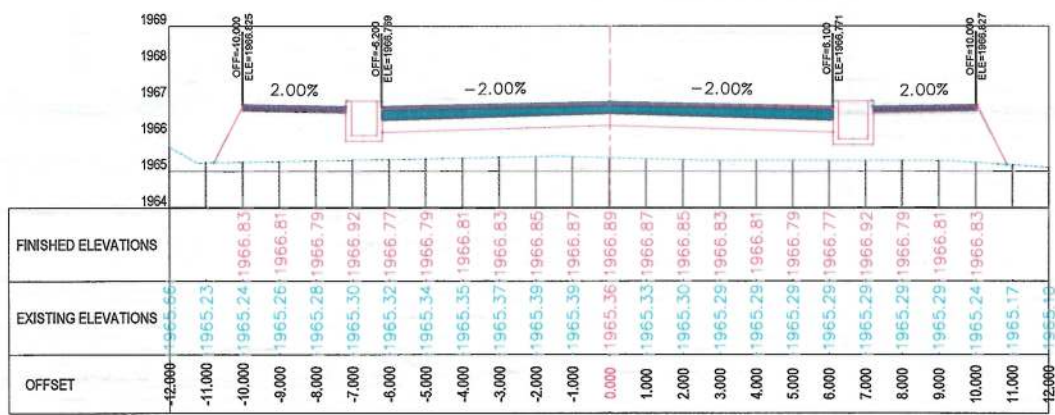
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/17/2023
Scale: 1:200

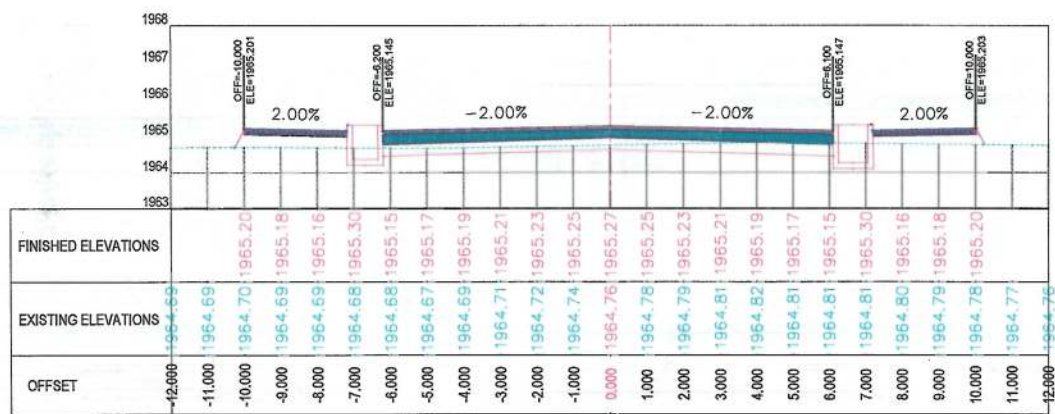
Status: FINAL DESIGN

Project Code: CS-7

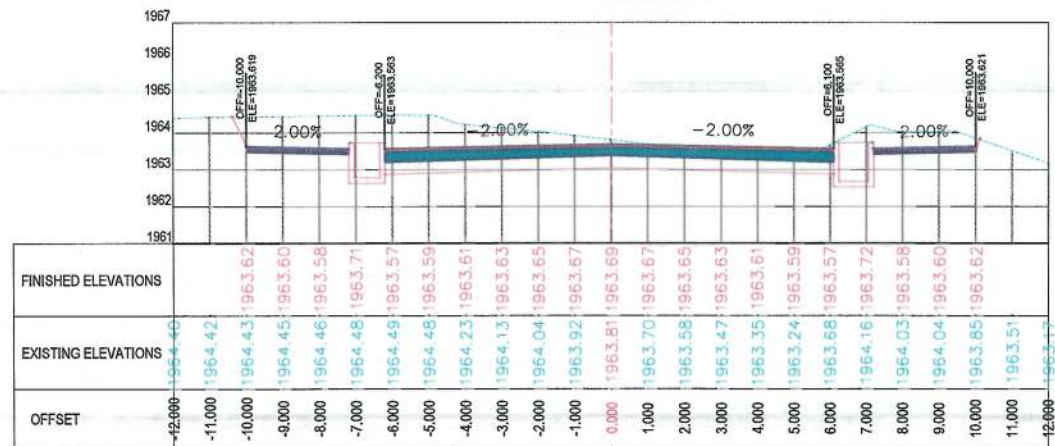
Drawing Number: 00



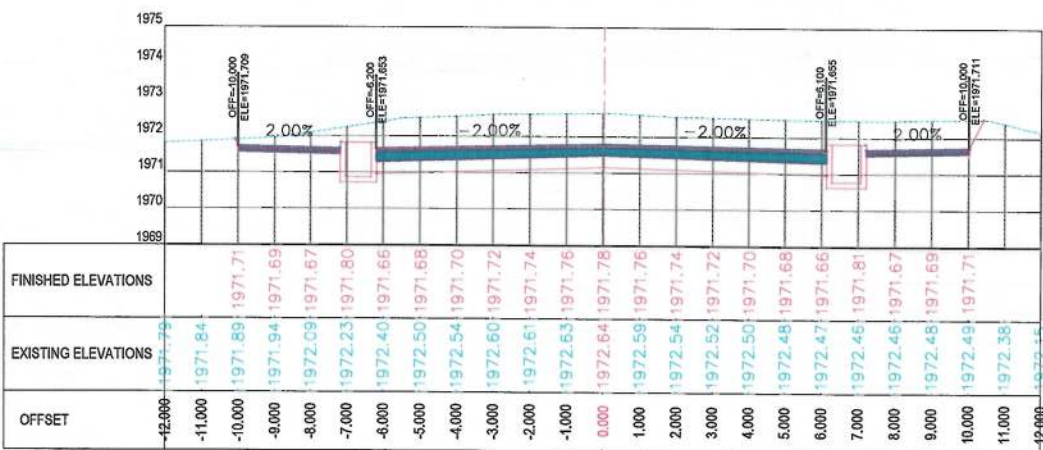
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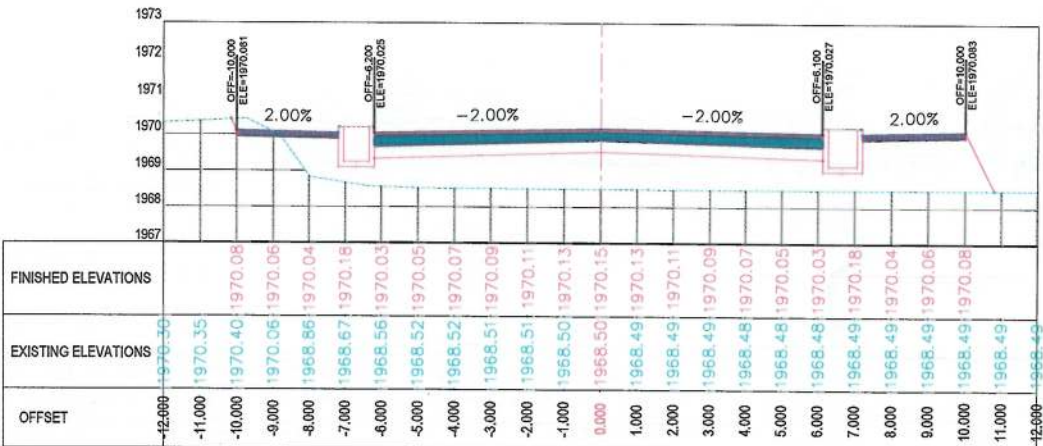
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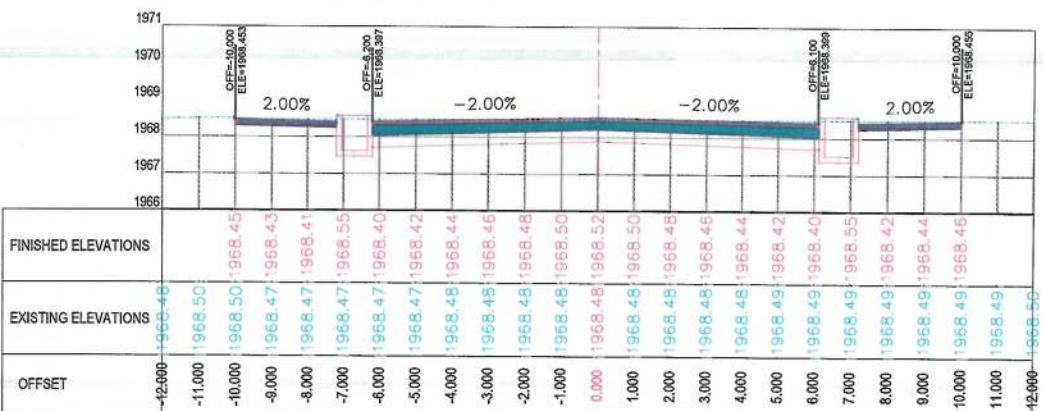
0+840.00



0+940.00



0+920.00



0+900.00

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:
Orfani to Omid-e-Sabz Town Connecting Road project

Drawing Title:

CROSS SECTIONS
(Sub Alignment)

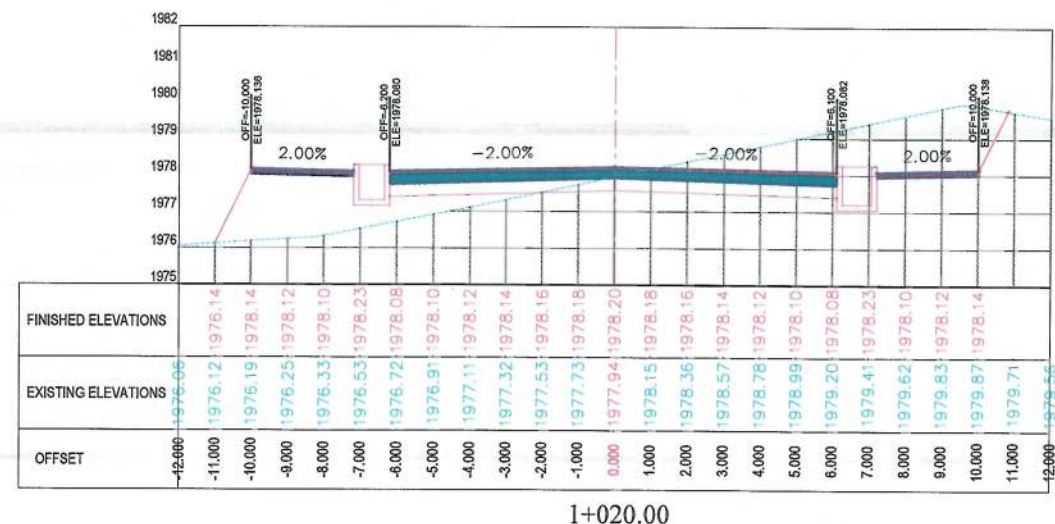
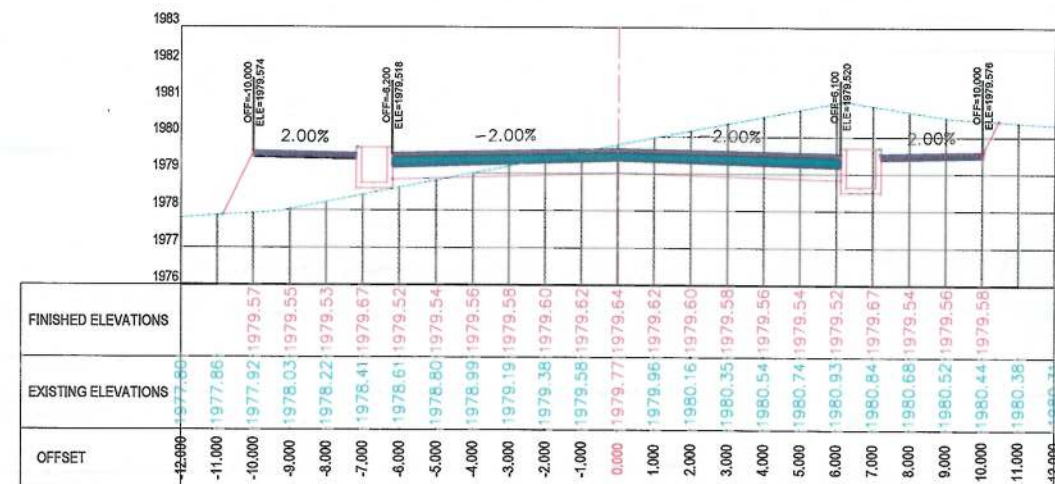
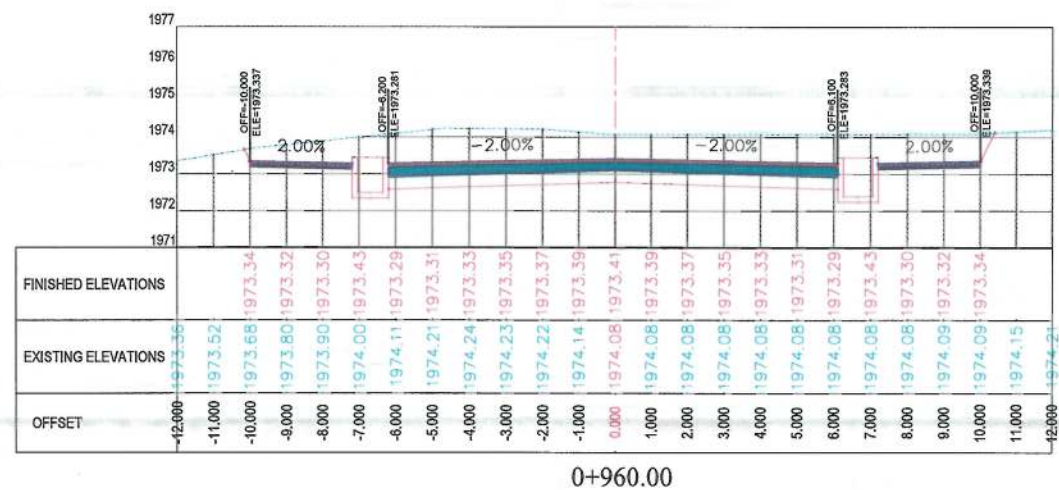
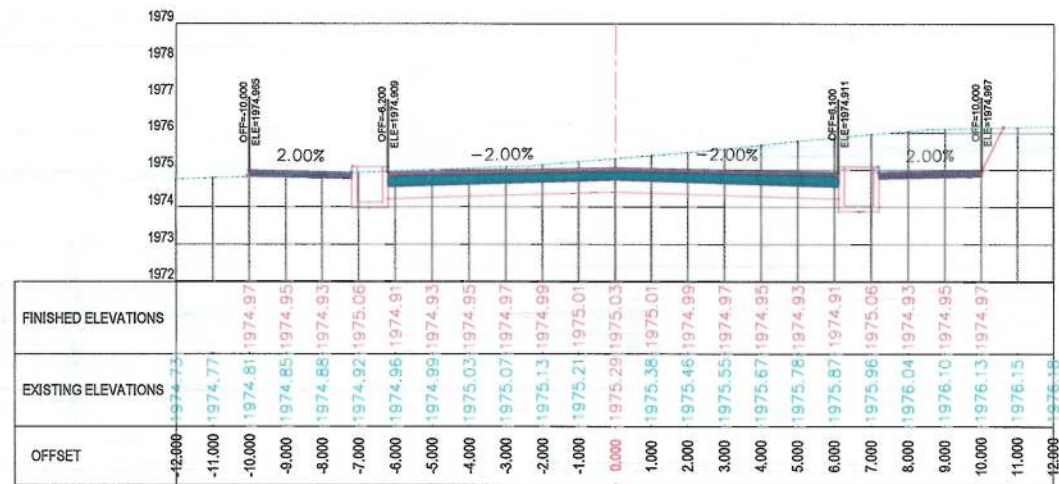
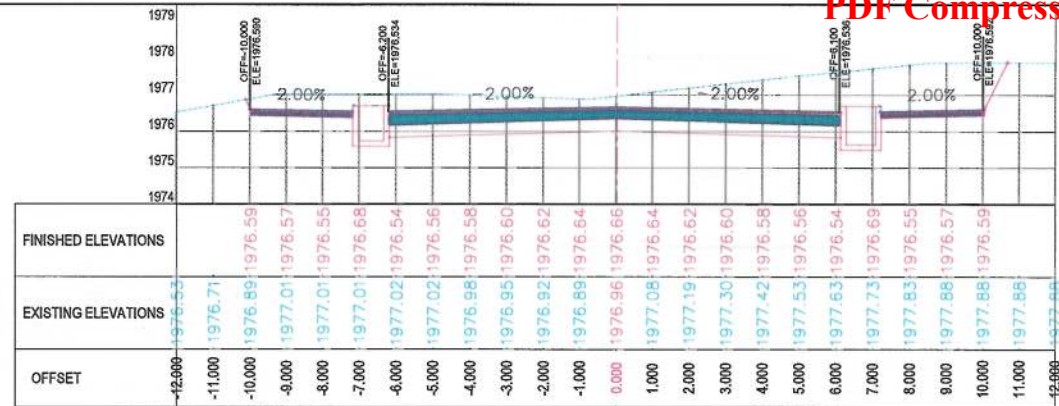
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

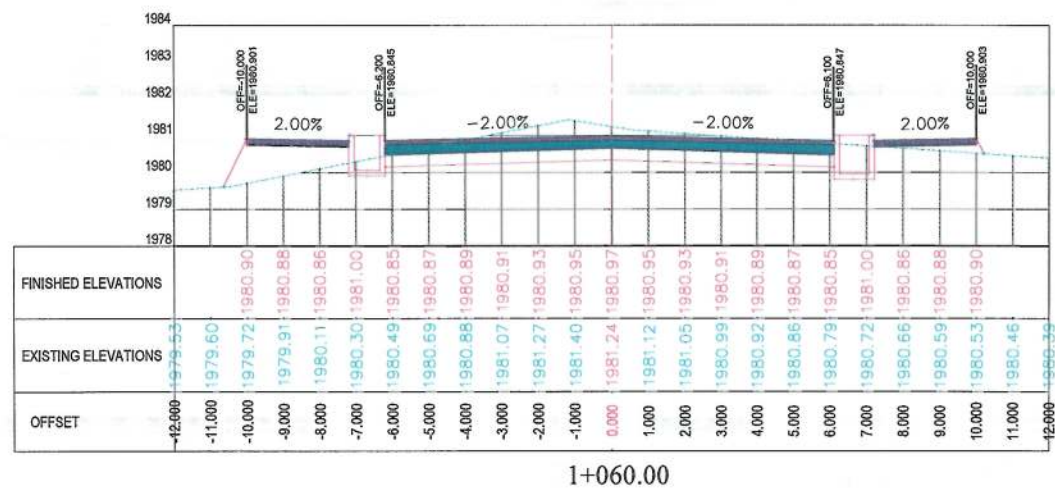
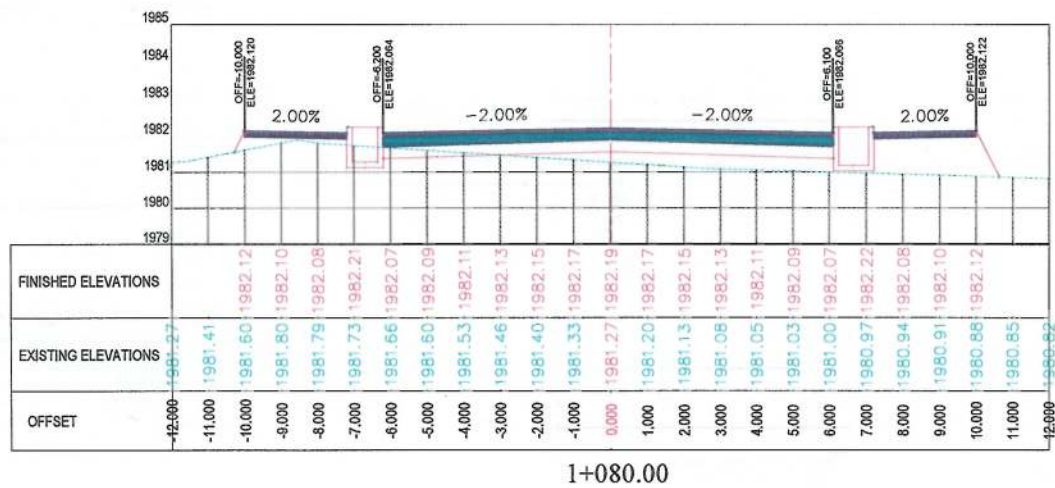
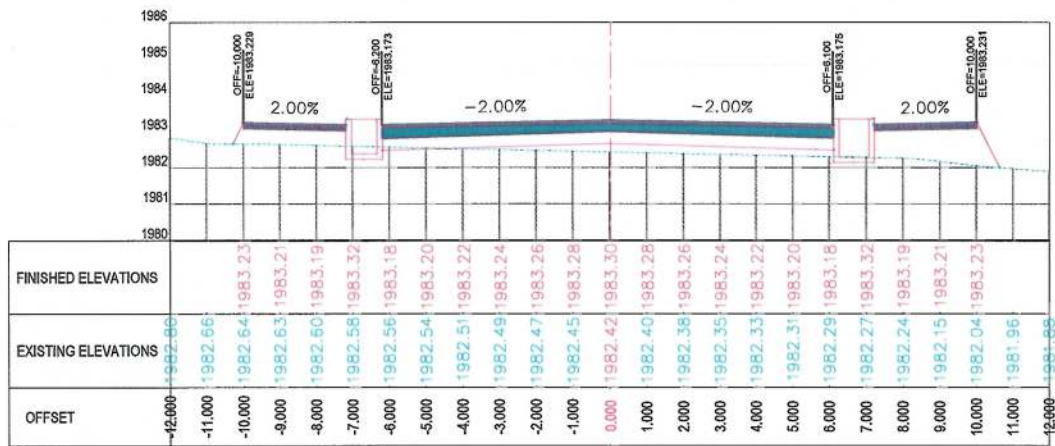
Drawing Number: CS-8
Revision: 00



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: Orfani to Omid-e-Sabz Town Connecting Road project
Drawing Title: CROSS SECTIONS (Sub Alignment)
Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi
Date: 9/17/2023
Scale: 1:200
Status: FINAL DESIGN
Project Code:
Drawing Number: CS-9
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:
Orfani to Omid-e-Sabz Town
Connecting Road project

Drawing Title:

CROSS SECTIONS
(Sub Alignment)

Designed by: Mohammad Essa Sirat
Drawn by: Mohammad Essa Sirat
Checked by: Habibullah Shalizi

Signature:
Signature:
Signature:

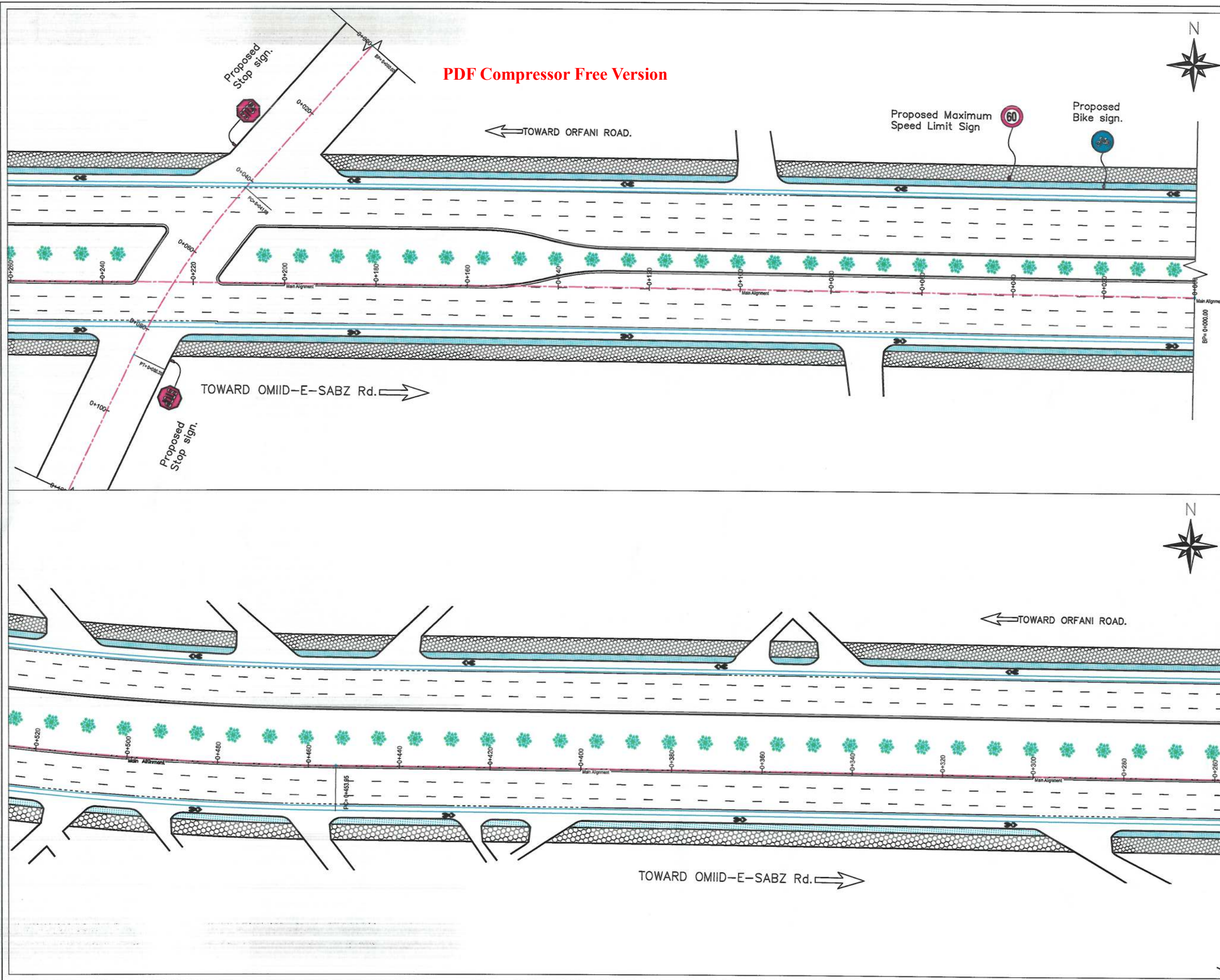
Date: 9/17/2023
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number
CS-10

Revision
00



- General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
 2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:

Hakim Karimi

Design by:

Hasibullah Shalizi

Checked:

Hasibullah Shalizi

Checked:

Hasibullah Shalizi

Approved by:

Hasibullah Shalizi

Date:

25-Sep-23

Status:

FINAL DESIGN

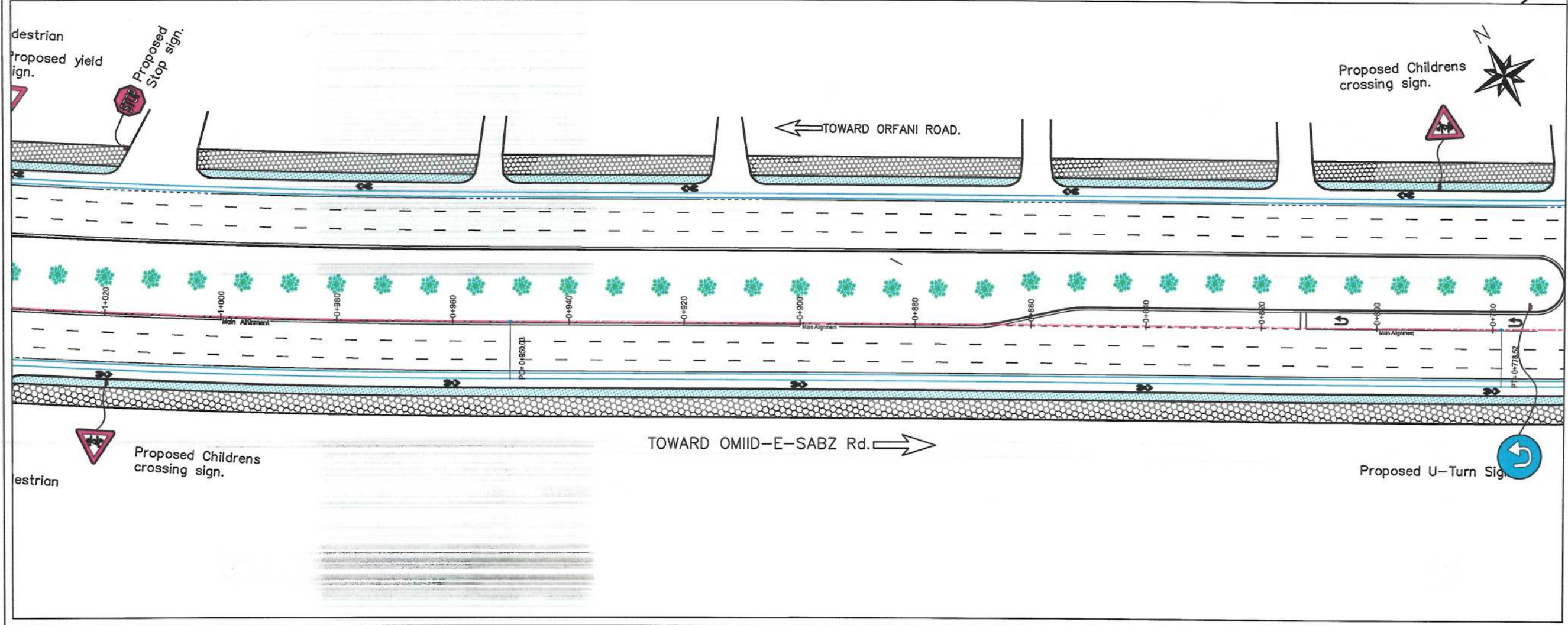
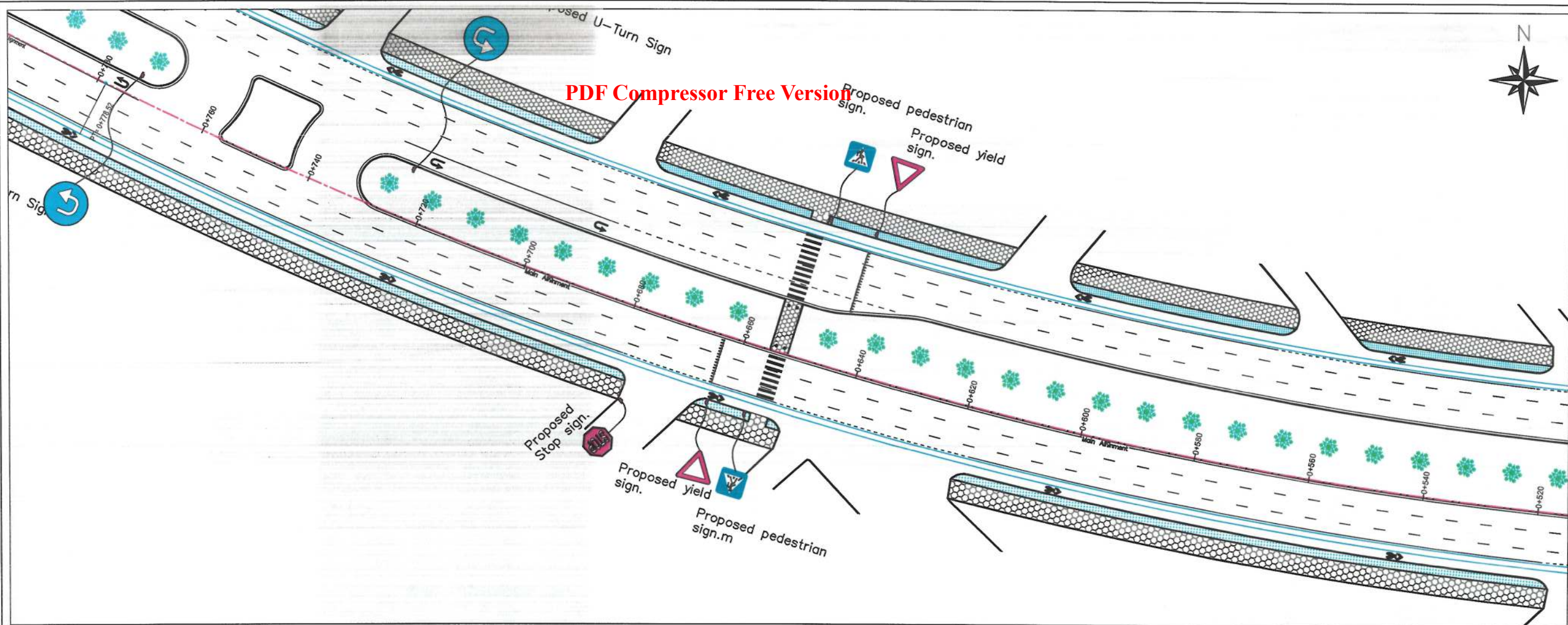
Project Code

Drawing Number

R-01

Revision

01



General Notes:

1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by: Hakim Karimi

Design by:

Checked: Hasibullah Shalizi

Checked:

Approved by:

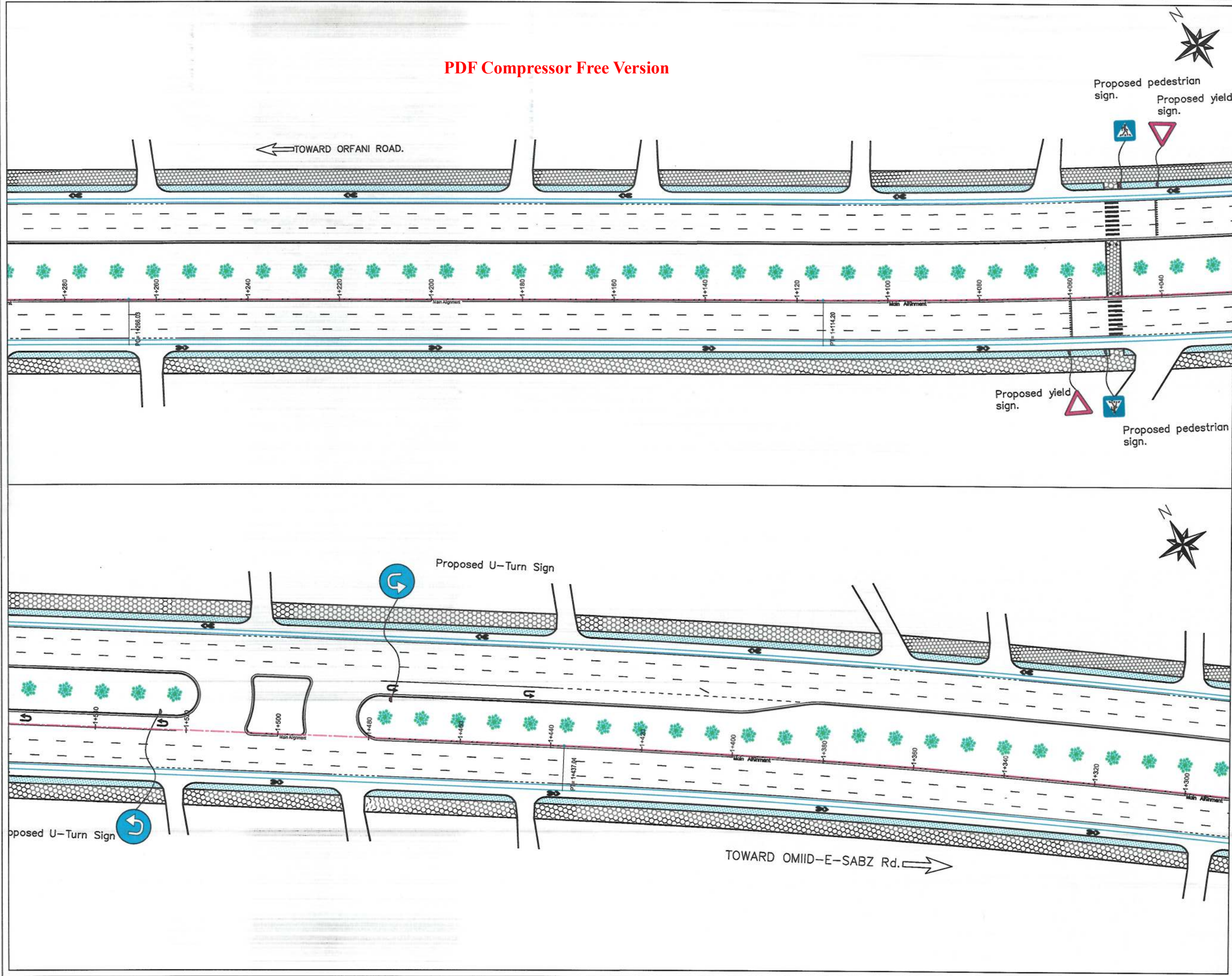
Date: 25-Sep-23

Status: FINAL DESIGN

Project Code

Drawing Number: R-02

Revision: 01



General Notes:

1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

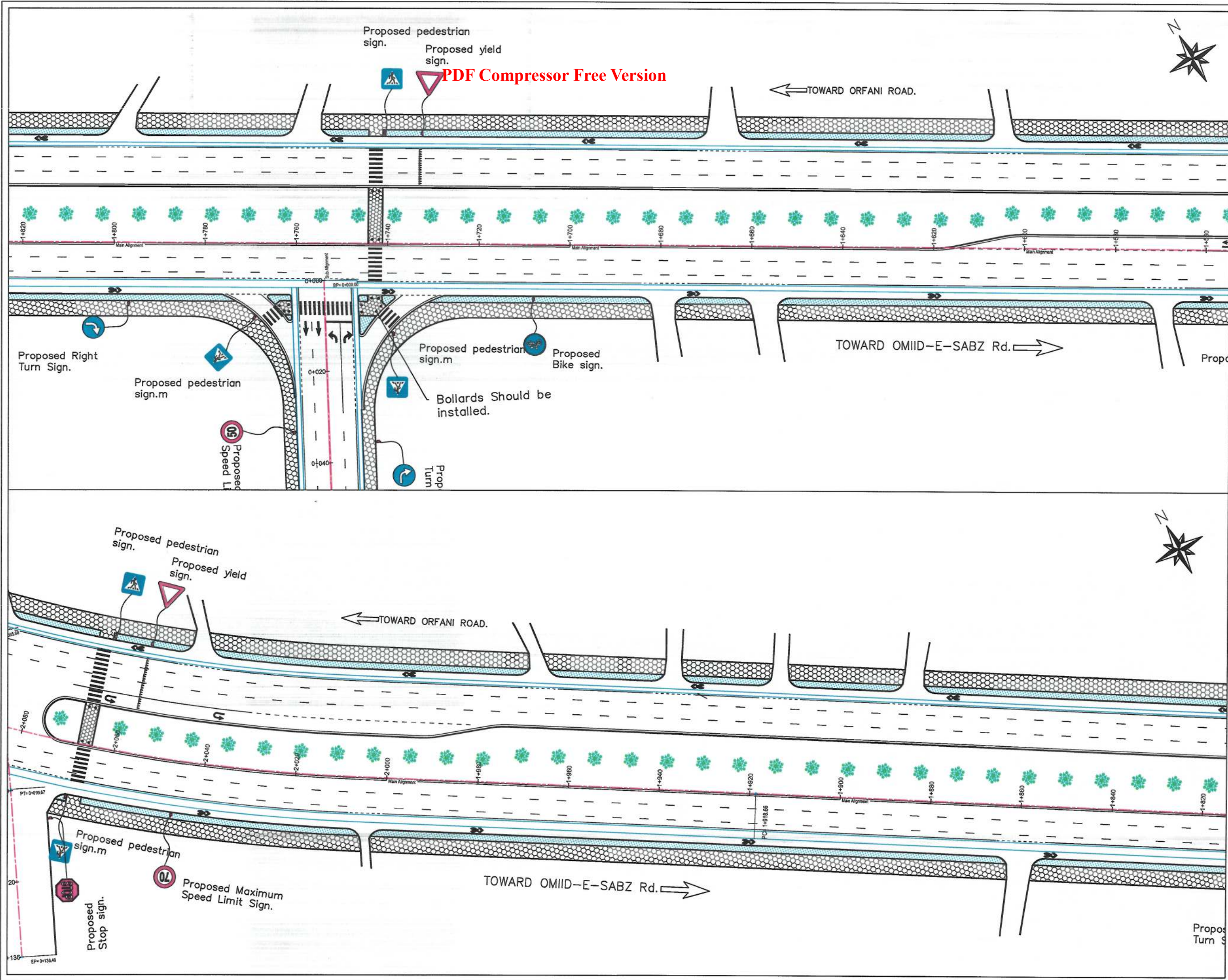
Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:	Signature:
Hakim Karimi	
Design by:	Signature:
Hasibullah Shalizi	
Checked:	Signature:
Hasibullah Shalizi	
Checked:	Signature:
Hasibullah Shalizi	
Approved by:	Signature:
Hasibullah Shalizi	
Date:	Scale:
25-Sep-23	1:750
Status:	FINAL DESIGN
Project Code	
Drawing Number	Revision
R-03	01



General Notes:

1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN

KABUL
MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ
CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:

Hakim Karimi

Design by:

Checked:

Hasibullah Shalizi

Checked:

Approved by:

Date:

25-Sep-23

Status:

FINAL DESIGN

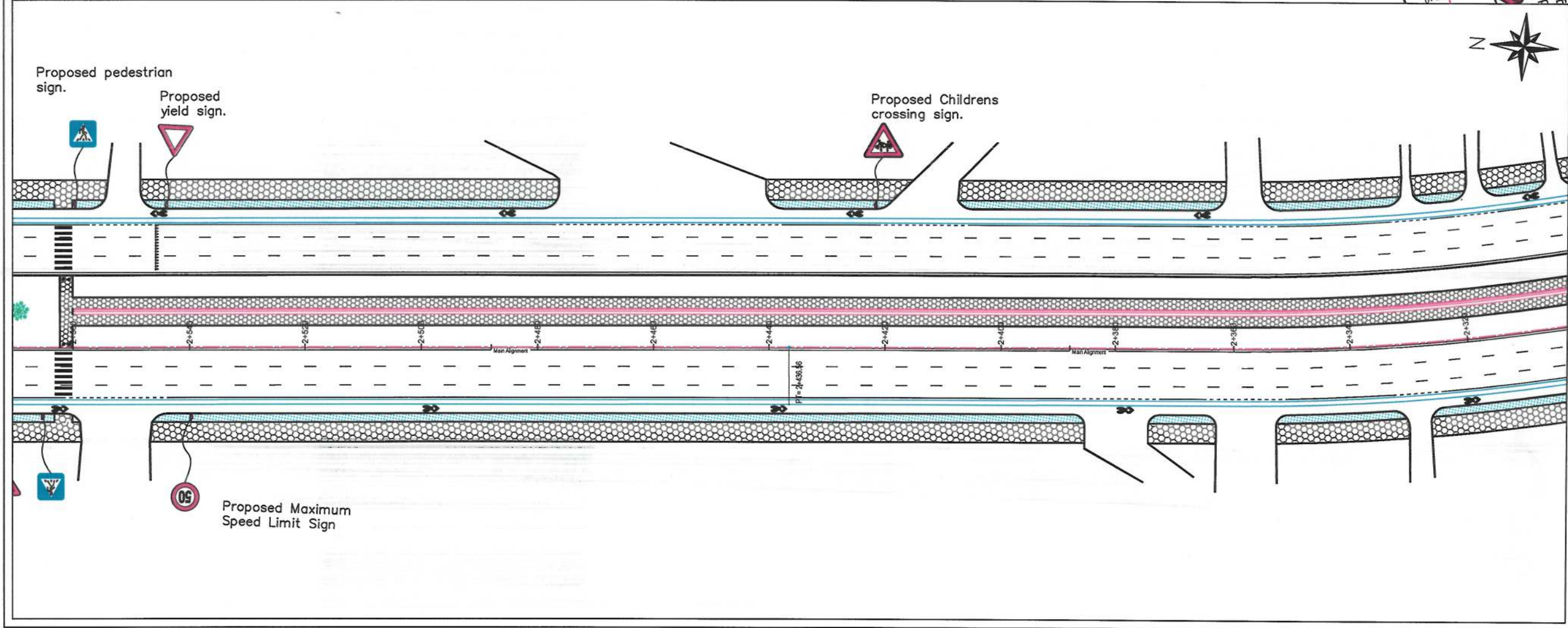
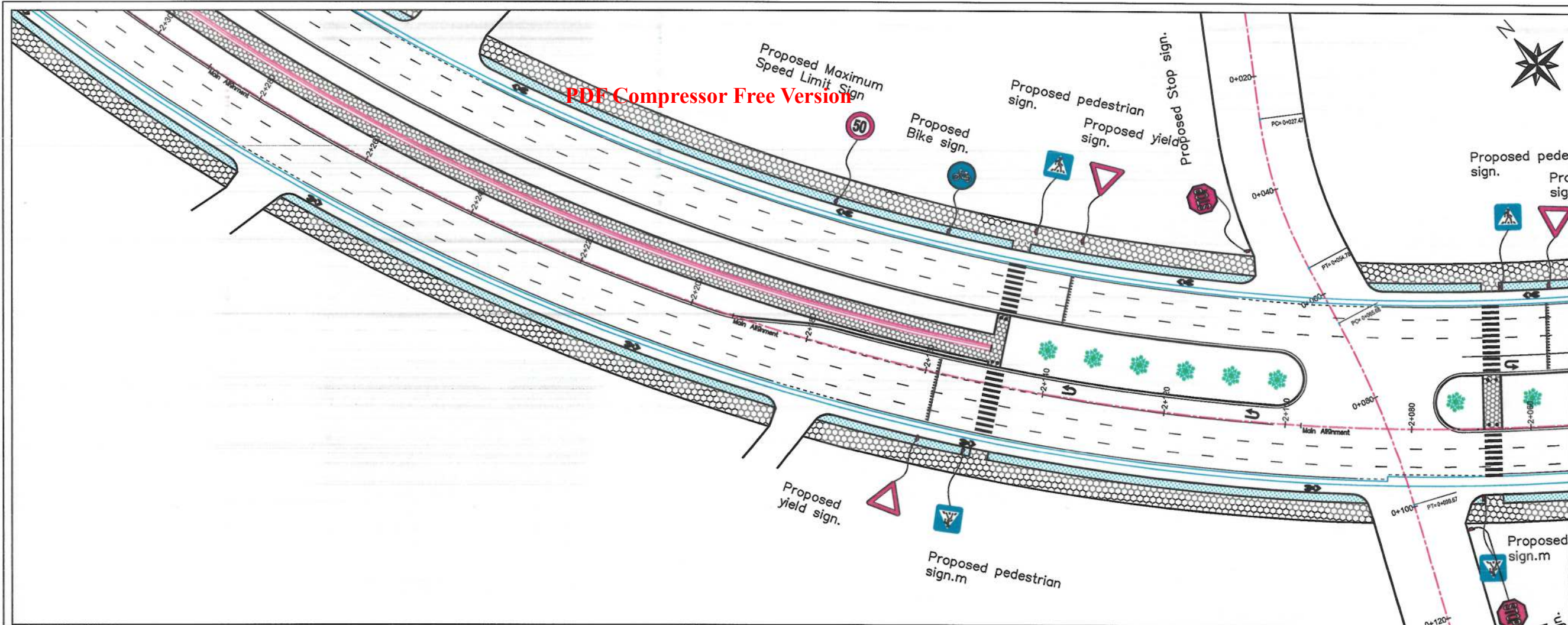
Project Code

Drawing Number

R-04

Revision

01



General Notes:

1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:

Hakim Karimi

Signature:

Design by:

Signature:

Checked:

Hasibullah Shalizi

Signature:

Checked:

Signature:

Approved by:

Signature:

Date:

25-Sep-23

Scale:

1:750

Status:

FINAL DESIGN

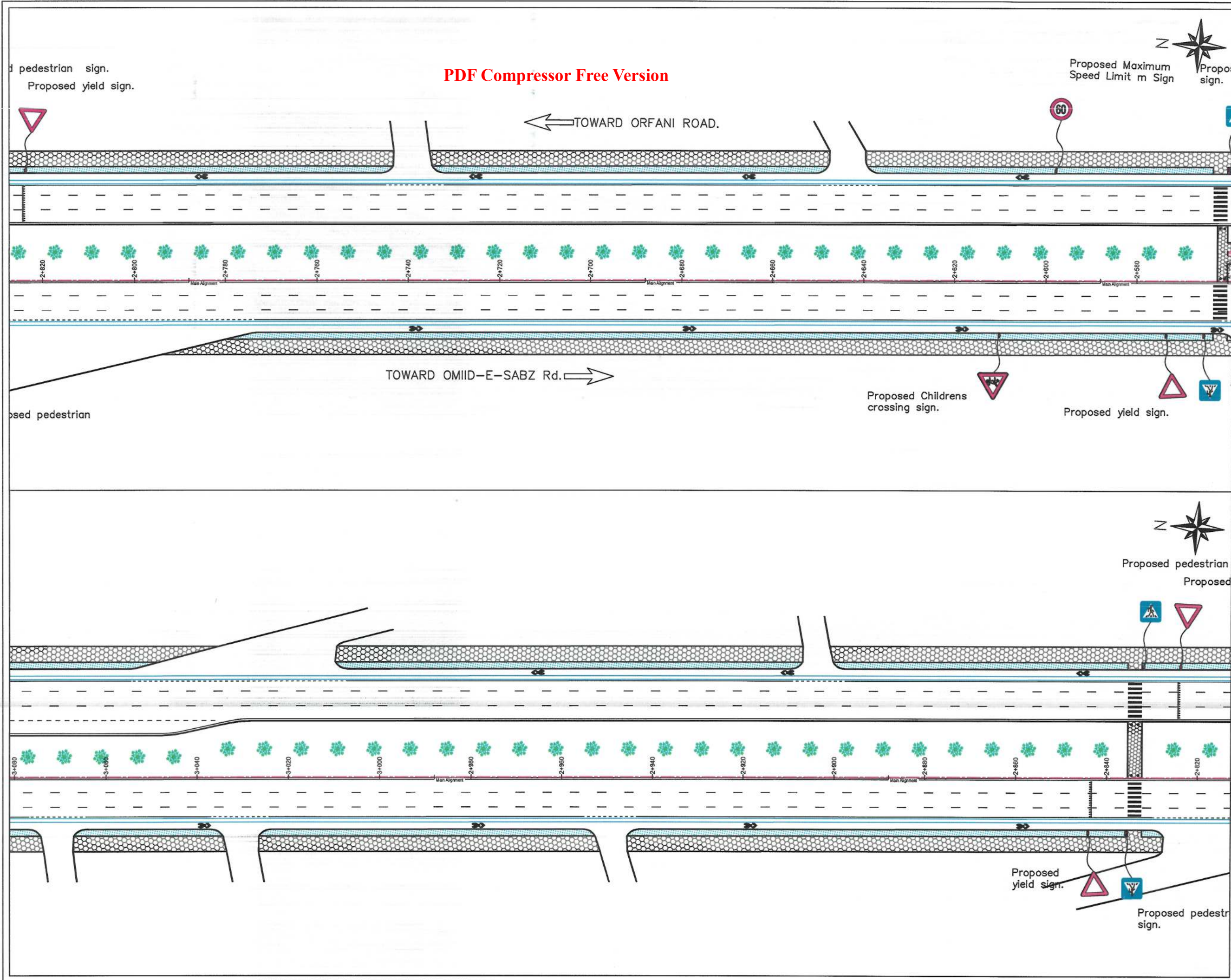
Project Code

Drawing Number

R-05

Revision

01



- General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
 2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN

KABUL
MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ
CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:
Hakim Karimi

Design by:

Checked:
Hasibullah Shalizi

Checked:

Approved by:

Date:
25-Sep-23

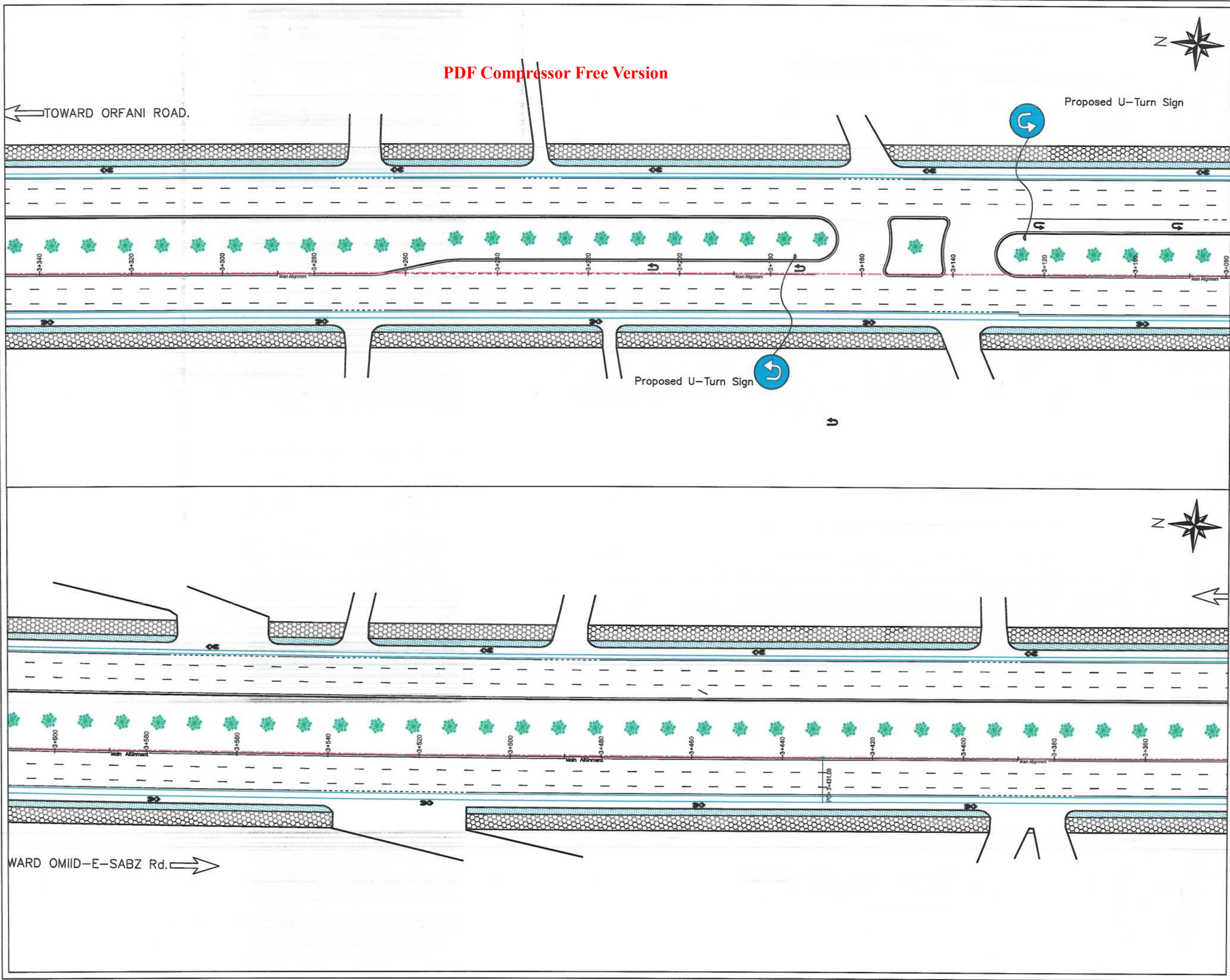
Status:
FINAL DESIGN

Project Code

Drawing Number
R-06

Revision
01

PDF Compressor Free Version



General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Design Consultant:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:
ROAD MARKING

Draw by: Hakim Karimi	Signature:
Design by:	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:
Approved by:	Signature:

Date:
25-Sep-23

Scale:
1:750

Status:
FINAL DESIGN

Project Code

Drawing Number R-07	Revision 01
------------------------	----------------



- General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
 2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN



KABUL
MUNICIPALITY

Design Consultant:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
ORFANI TO OMID-E-SABZ
CONNECTING ROAD PROJECT

Drawing Title:
ROAD MARKING

Draw by:
Hakim Karimi

Signature:

Design by:

Signature:

Checked:
Hasibullah Shalizi

Signature:

Checked:

Signature:

Approved by:

Signature:

Date:
25-Sep-23

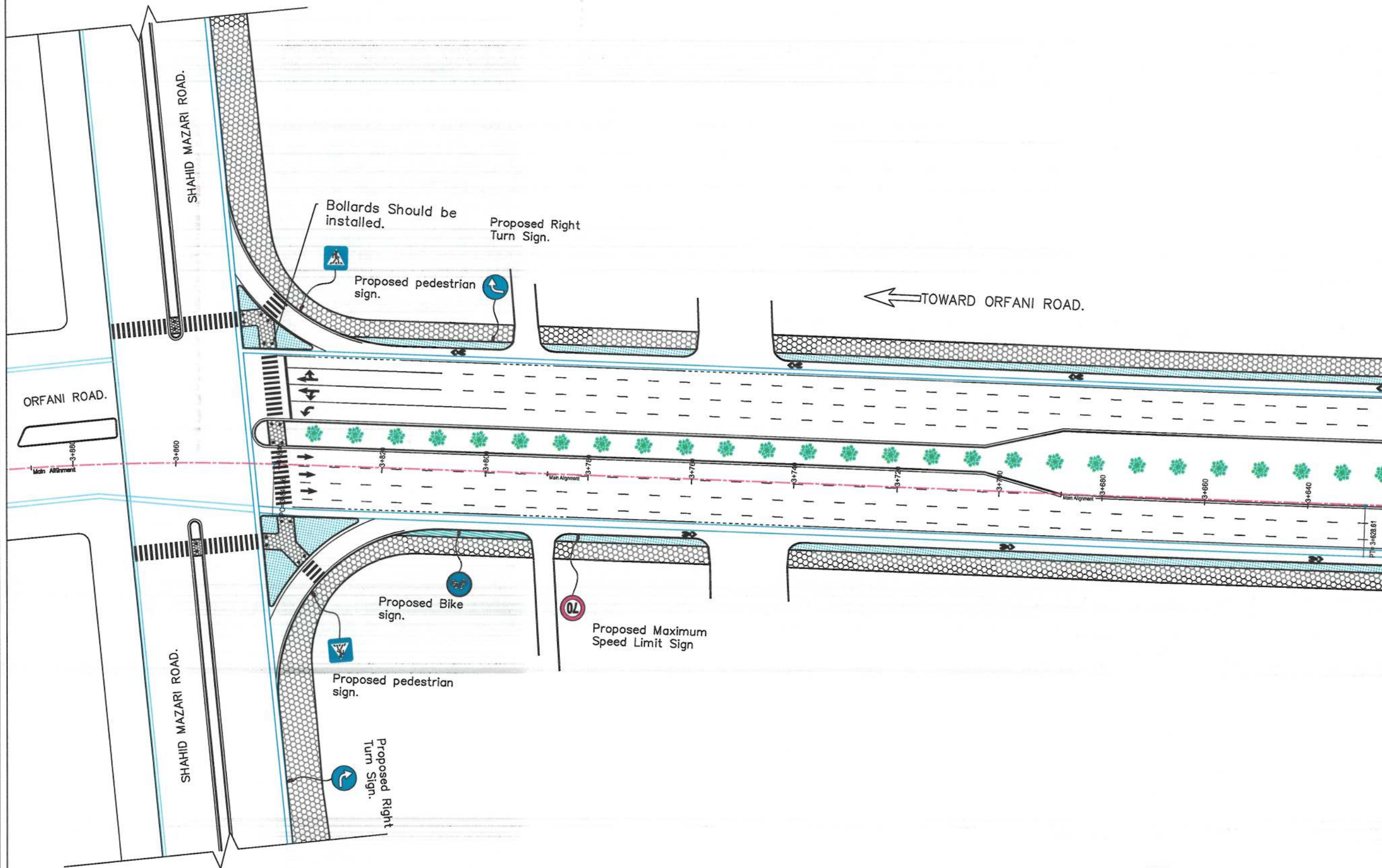
Scale:
1:750

Status:
FINAL DESIGN

Project Code

Drawing Number
R-08

Revision
01





- General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
 2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN



KABUL
MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ
CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING

Draw by:

Hakim Karimi

Signature:

Design by:

Signature:

Checked:

Hasibullah Shalizi

Signature:

Checked:

Signature:

Approved by:

Signature:

Date:

25-Sep-23

Scale:

1:500

Status:

FINAL DESIGN

Project Code

Drawing Number

R-10

Revision

01



General Notes:
1. All Dimensions are in Millimeters Unless Otherwise Indicated.
2. In every pedestrian crossing on the road, the concrete slabs should be installed on the ditch according to the drainage design.

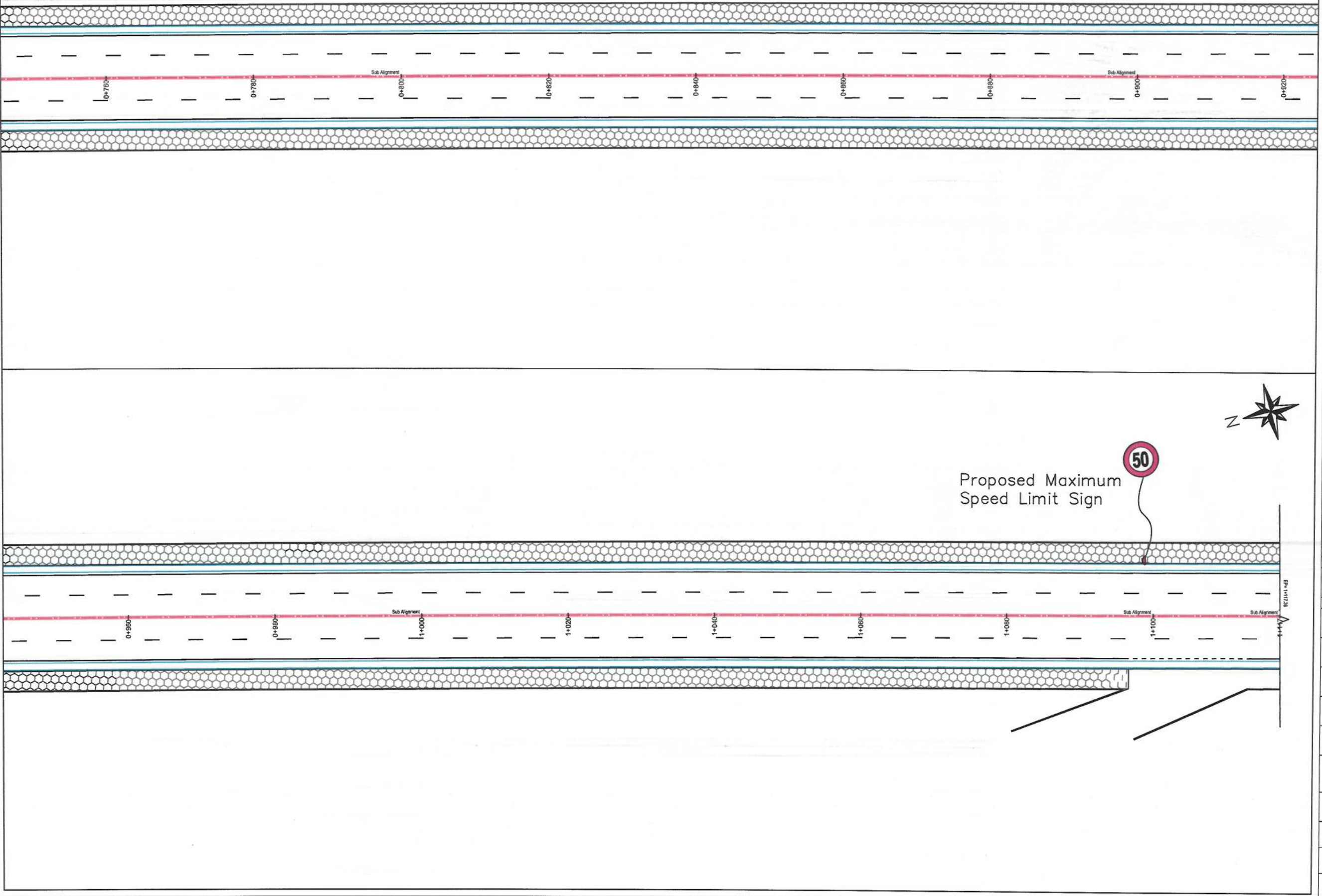


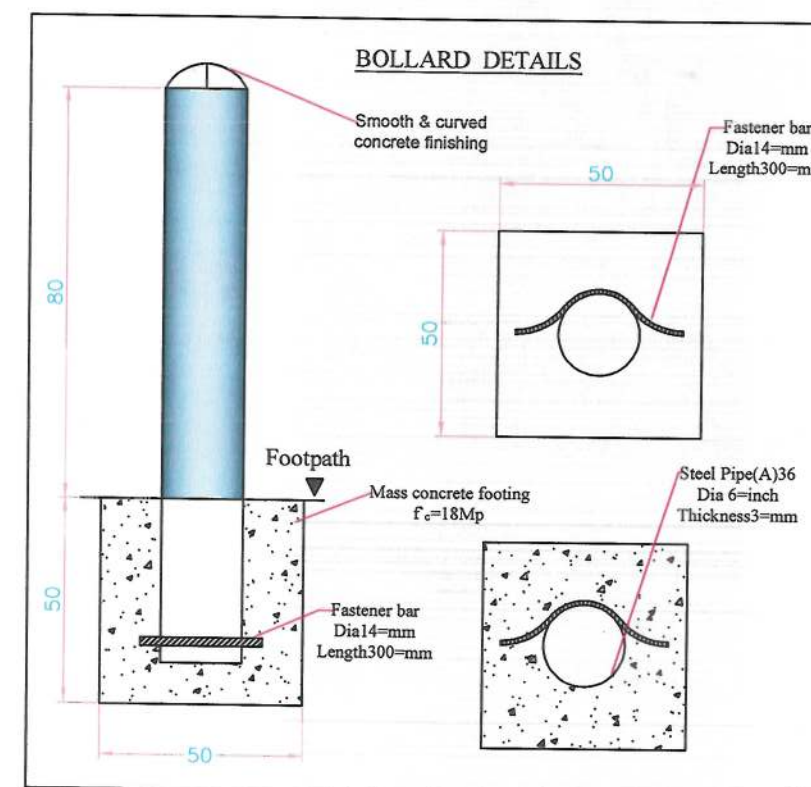
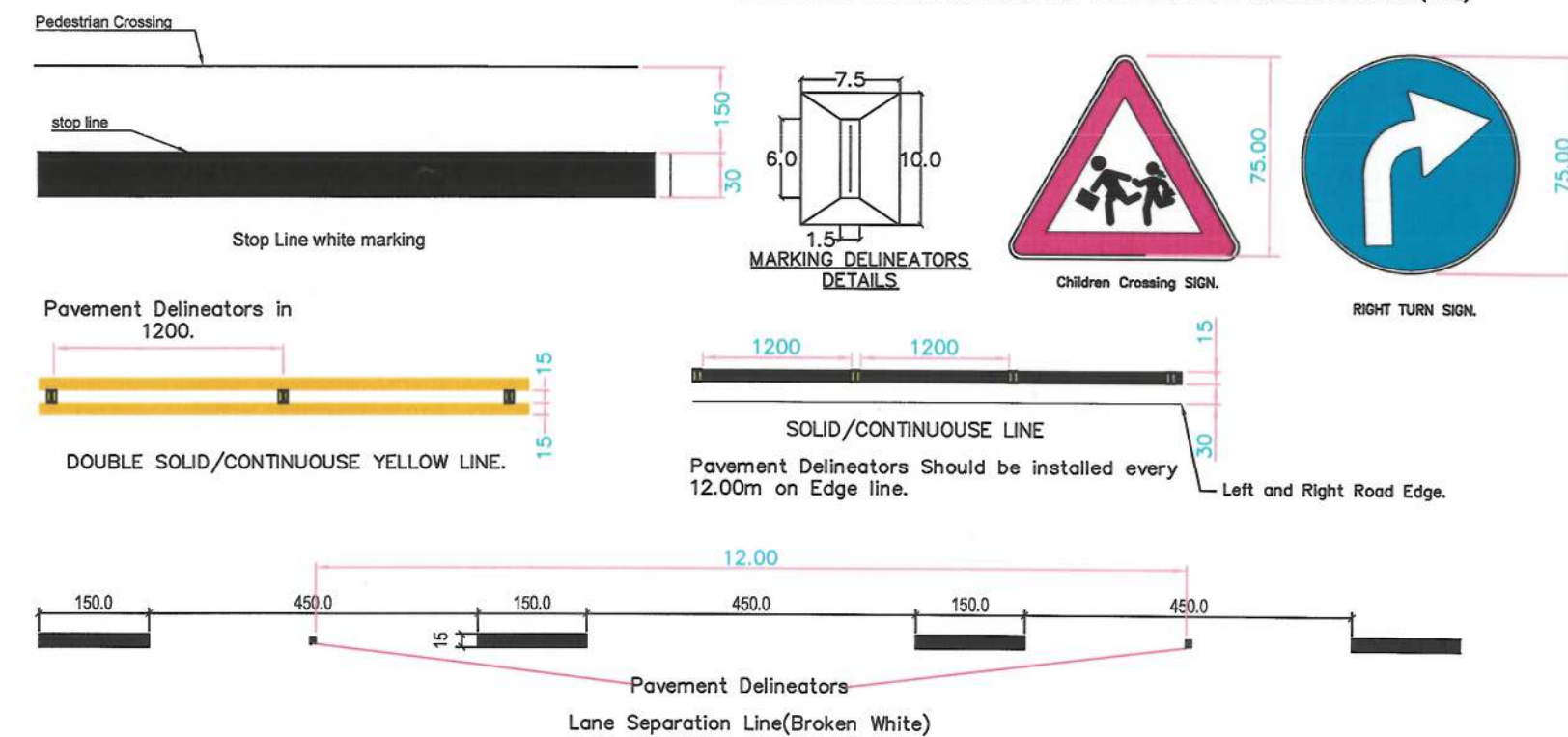
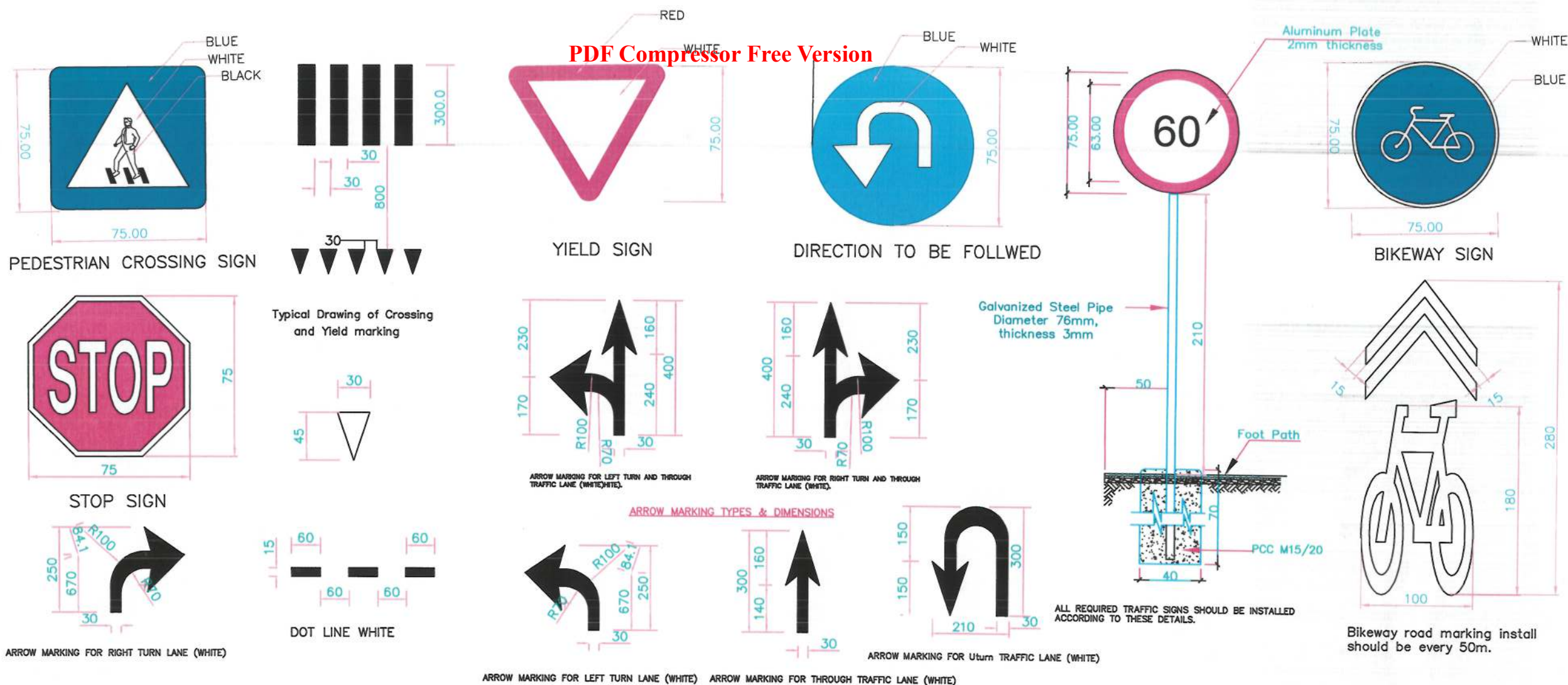
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN	
KABUL MUNICIPALITY	
Design Consultant:	
KABUL MUNICIPALITY DESIGN TEAM	
Project Name:	
ORFANI TO OMID-E-SABZ CONNECTING ROAD PROJECT	
Drawing Title:	
ROAD MARKING	
Draw by: Hakim Karimi	Signature:
Design by:	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:
Approved by:	Signature:
Date: 25-Sep-23	Scale: 1:500
Status: FINAL DESIGN	
Project Code	
Drawing Number R-11	Revision 01



Proposed Maximum Speed Limit Sign





General Notes:
1. All Dimensions are in Centimeters Unless Otherwise Indicated.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

ORFANI TO OMIID-E-SABZ CONNECTING ROAD PROJECT

Drawing Title:

ROAD MARKING DETAILS

Draw by:

Hakim Karimi

Design by:

Checked:

Hasibullah Shalizi

Checked:

Approved by:

Date:

25-Sep-23

Status:

FINAL DESIGN

Project Code

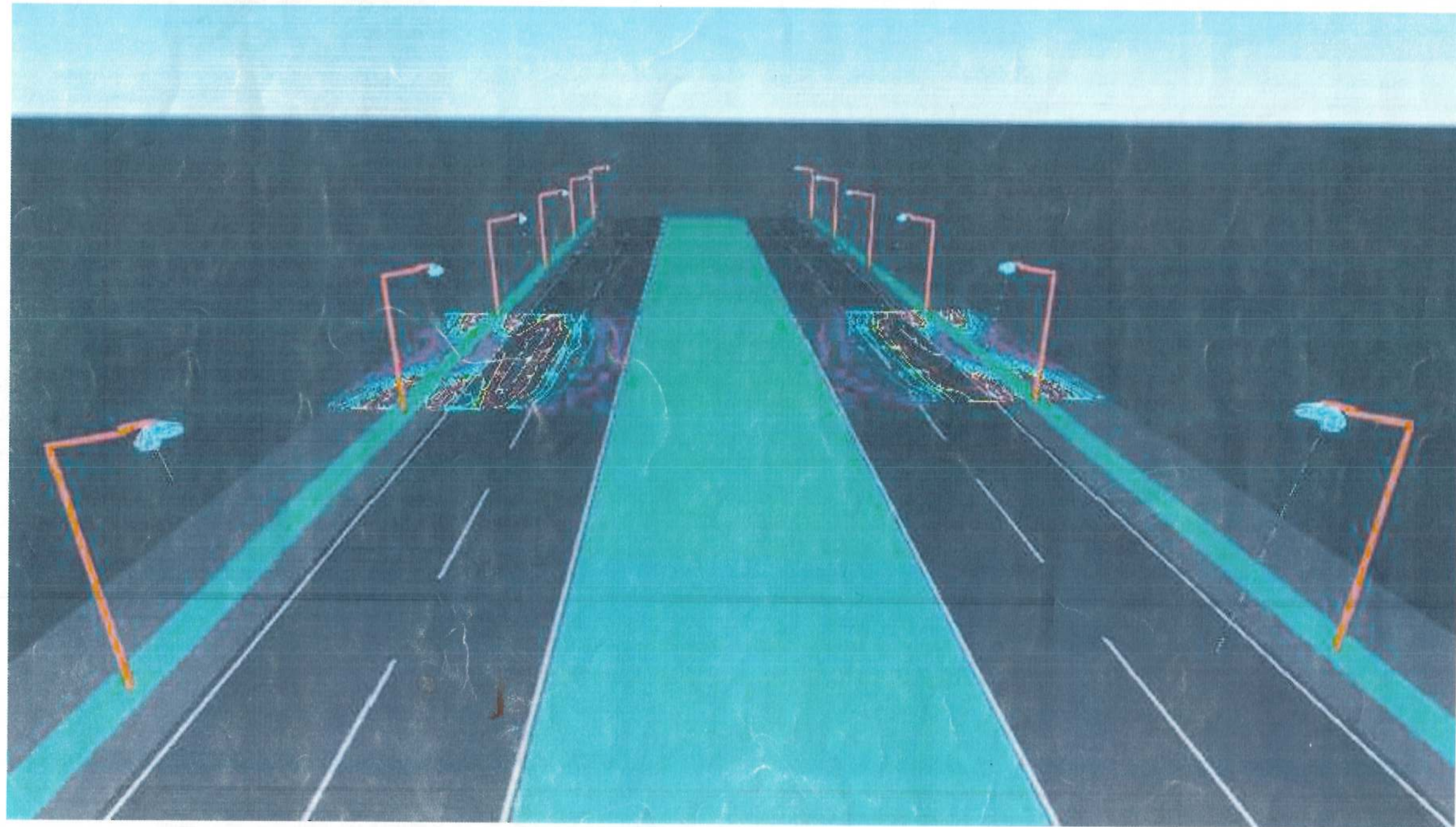
Drawing Number

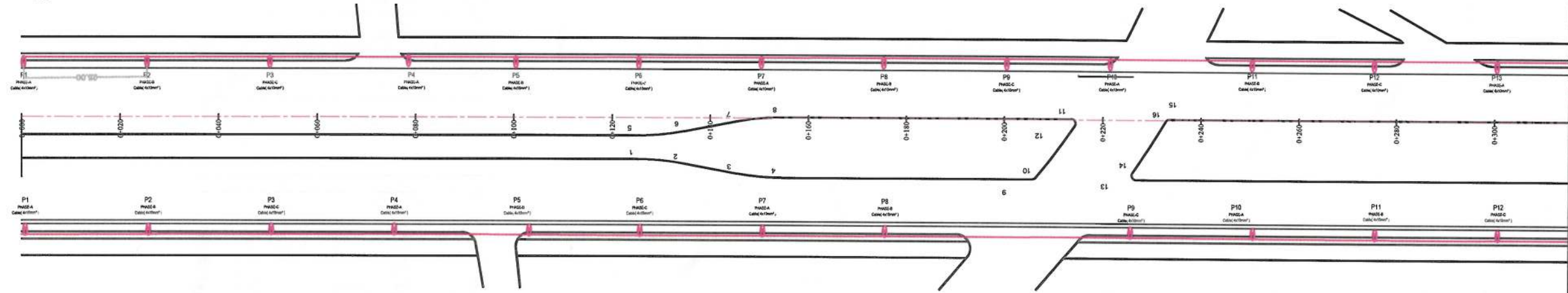
R-12

Revision

01

STREET LIGHTING SECTION





NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

Designed by: Jamshullah Nazari
Drawn by: Jamshullah Nazari
Checked by: Mohammad Esm Sirat
Checked by: Hasibullah Shalizi

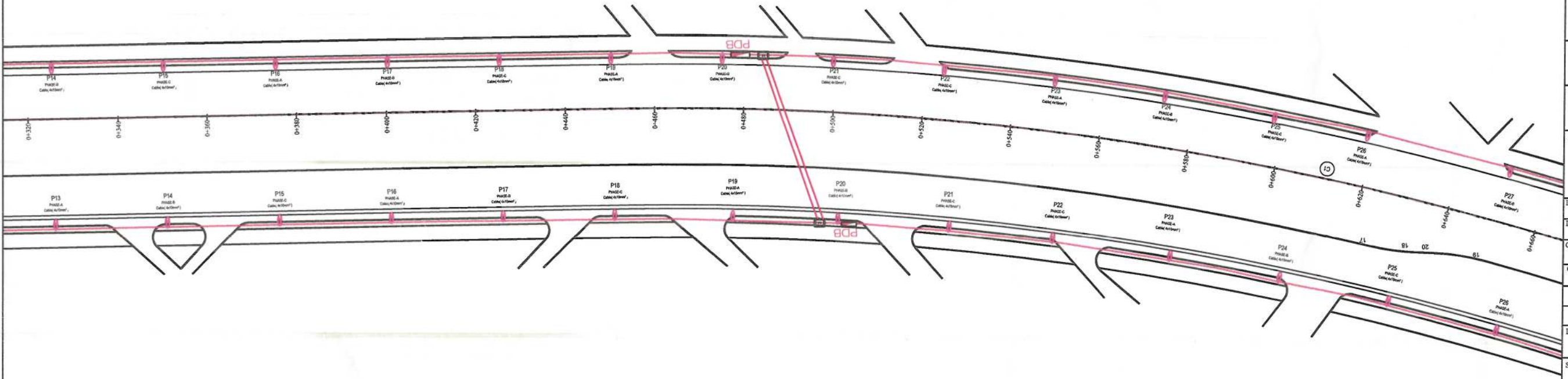
Date: 9/18/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code

Drawing Number
EP-1

Revision
00



PDF Compressor Free Version

NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND

- STREET LIGHTING
- MDP
- Conduit & Conductor
- Steel-Pipe
- Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

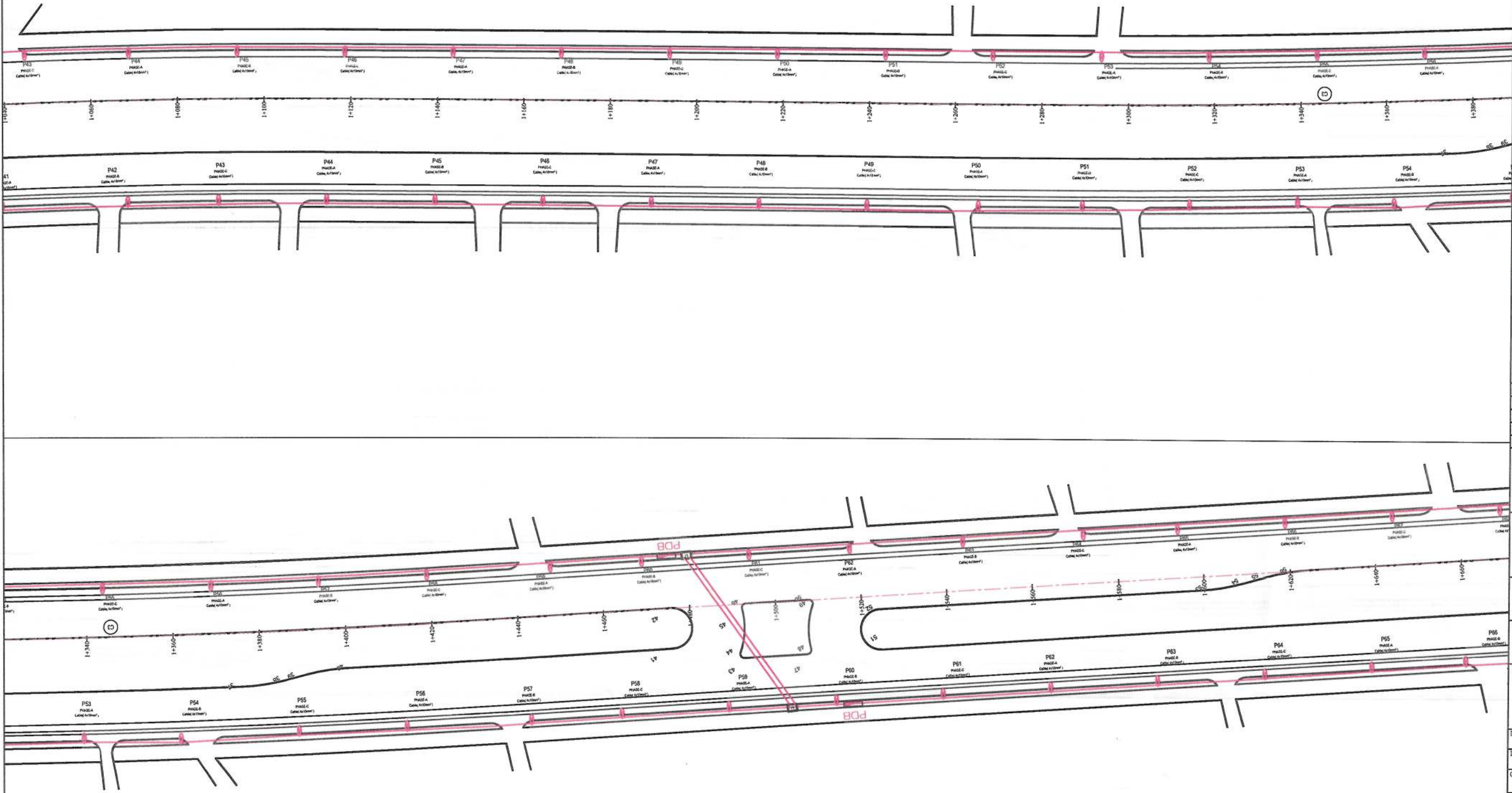
Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Eisa Sirt	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: Scale: 1:1000

Status: FINAL DESIGN

Project Code

Drawing Number	Revision
EP-2	00



NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title: Lighting - Plane

Designed by: Jamshidullah Nazari
Signature: [Signature]

Drawn by: Jamshidullah Nazari
Signature: [Signature]

Checked by: Hashibullah Shalizi
Signature: [Signature]






Date: 9/18/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code

Drawing Number: EP-3
Revision: 00

LEGEND

	STREET LIGHTING
	MDP
	Conduit & Conductor
	Steel-Pipe
	Manhole

Date	Revision Details	Drawn	

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Lighting - Plane

Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	

Date:	Scale:
9/18/2023	1:1000

status:	FINAL DESIGN
---------	--------------

Project Code	
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Drawing Number	Revision
EP-4	00

PDF Compressor Free Version

NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND	
	STREET LIGHTING
	MDP
	Conduit & Conductor
	Steel-Pipe
	Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

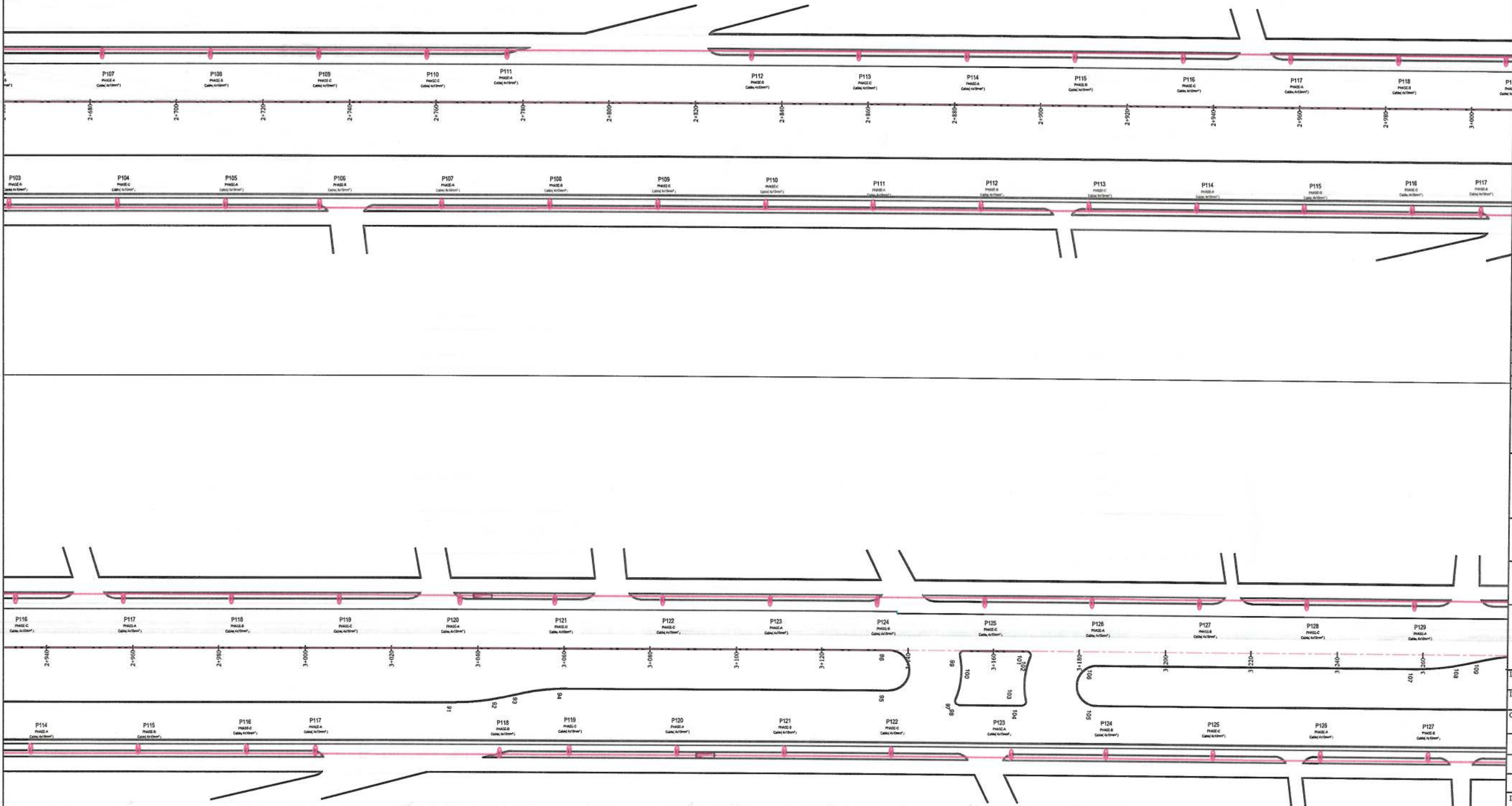
Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Hana Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/18/2023	Scale: 1:1000
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Status:
FINAL DESIGN

Project Code

Drawing Number EP-5	Revision 00
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NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

Designed by: Jamallullah Nazari
Drawn by: Jamallullah Nazari
Checked by: Mohammad Essa Sirat
Checked by: Hasibullah Shalizi

Date: 9/18/2023
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

Drawing Number: EP-6
Revision: 00



PDF Compressor Free Version

NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND

- STREET LIGHTING
- MDP
- Conduit & Conductor
- Steel-Pipe
- Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

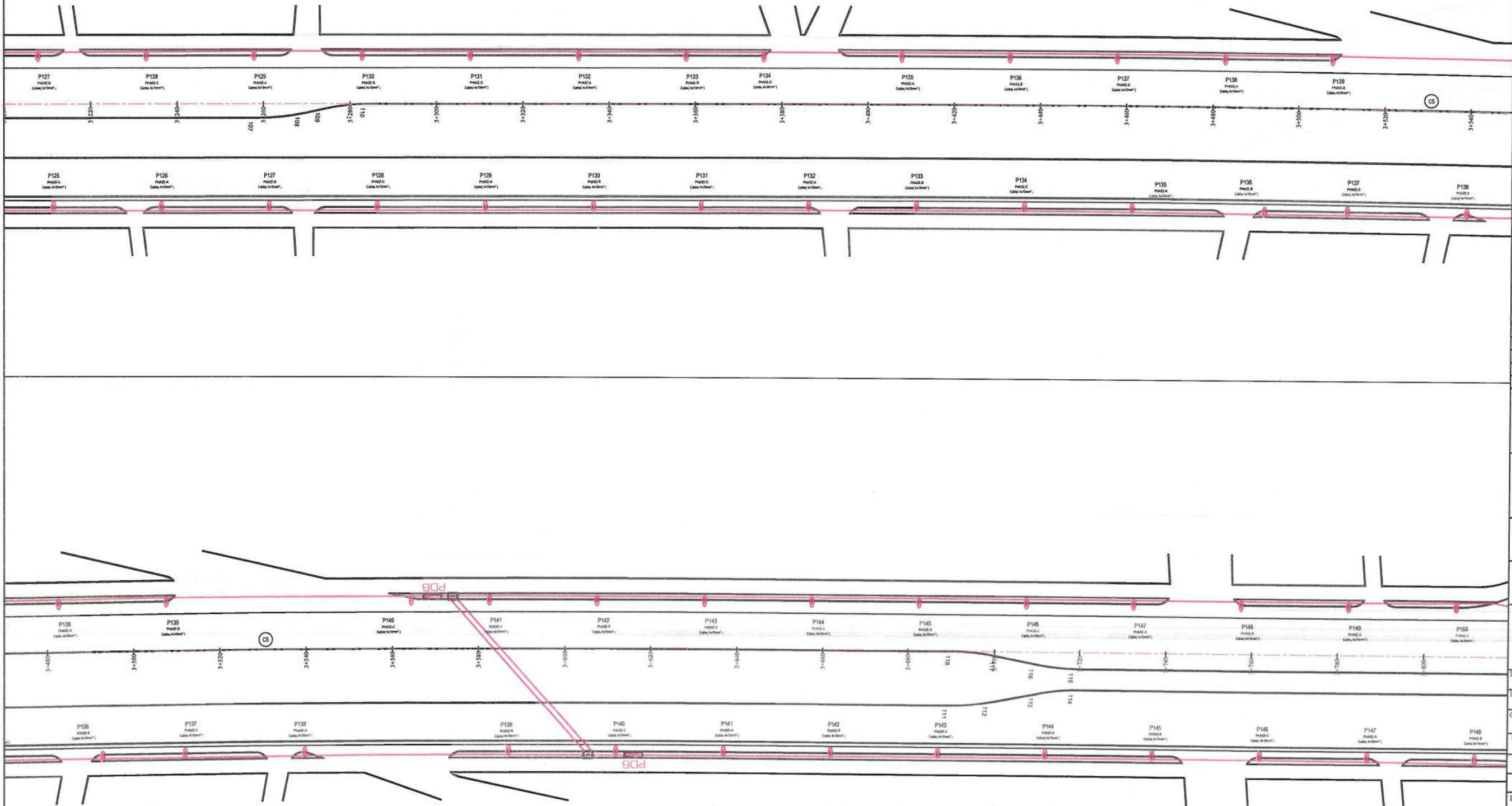
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Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Eisa Sirat	Signature:
Checked by: Hambullah Shalizi	Signature:

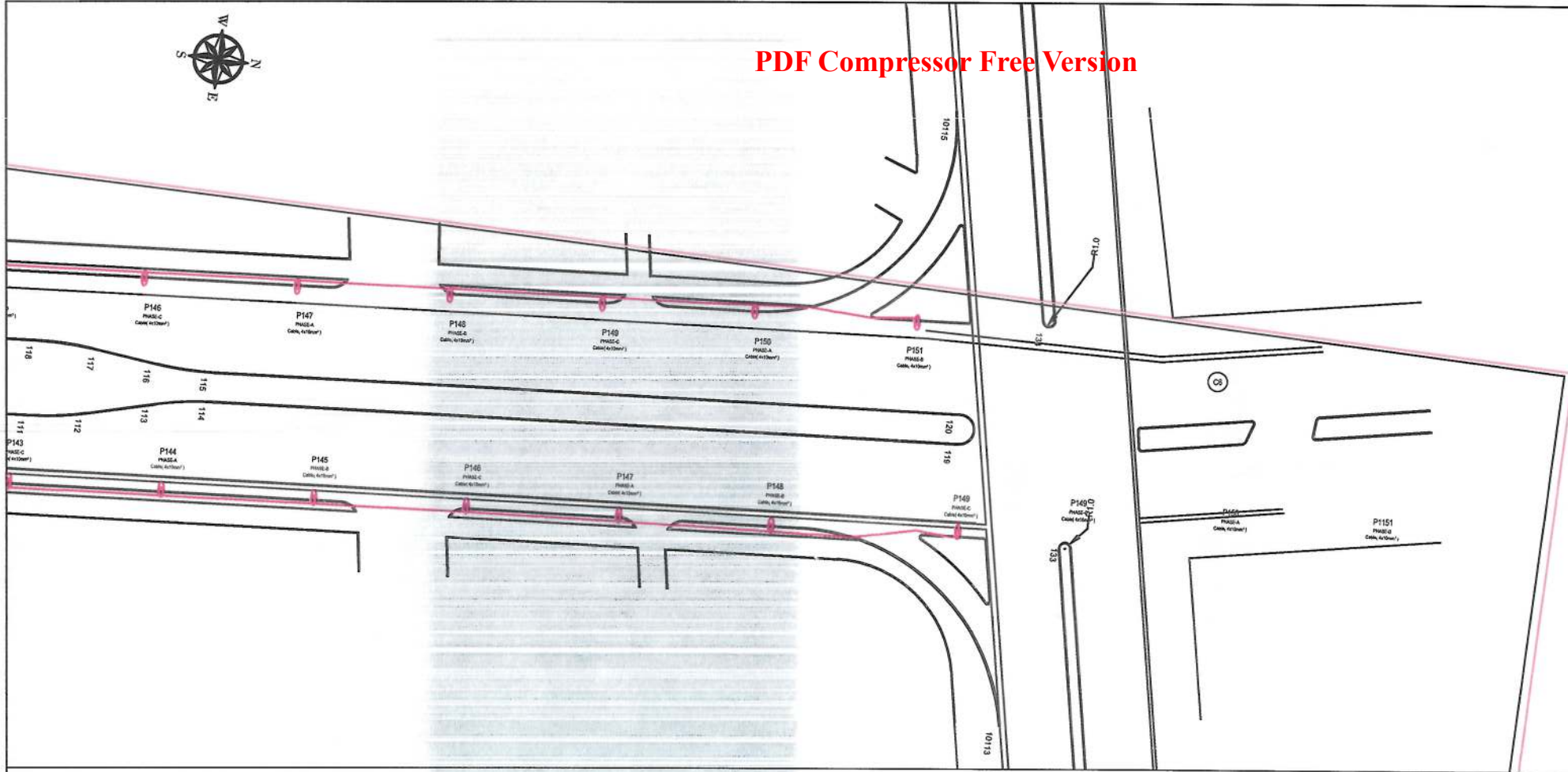
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Status: FINAL DESIGN

Project Code

Drawing Number	Revision
EP-7	00





NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammed Essa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

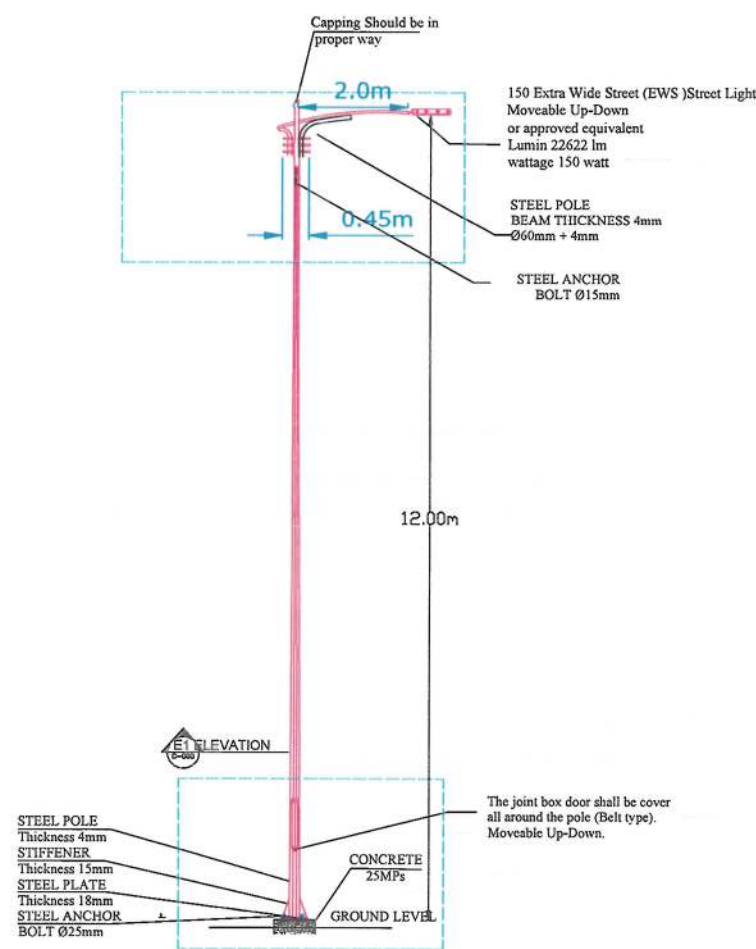
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Status:
FINAL DESIGN

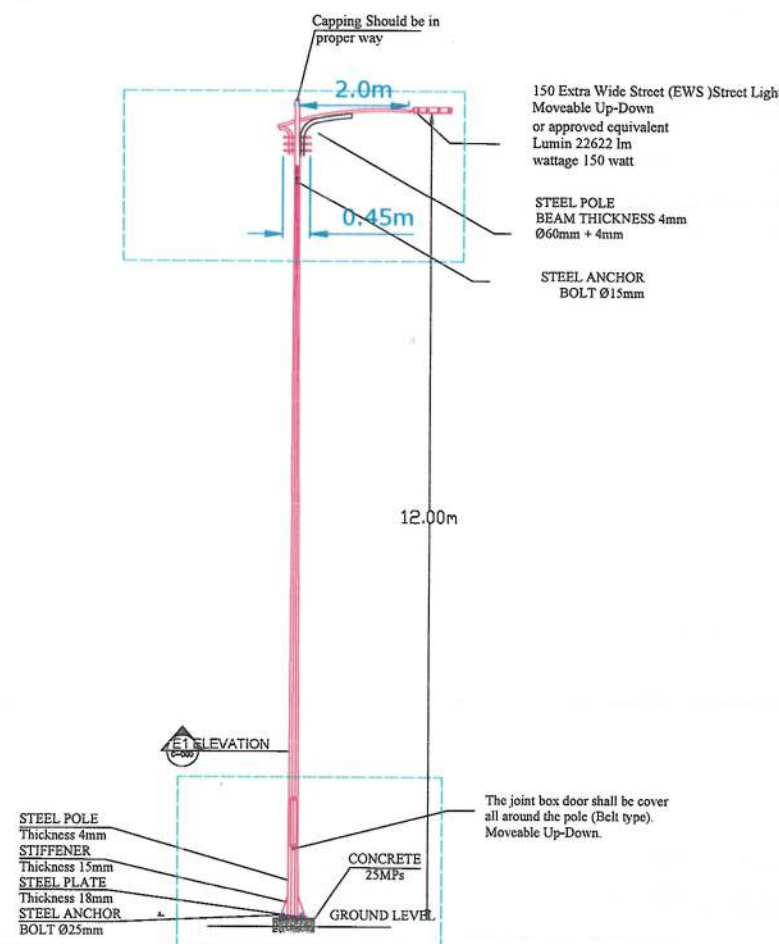
Project Code

Drawing Number EP-8	Revision 00
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STREET LIGHTING POLE



Single Arm Street Light Pole at each
25m should be arranged in
the side green area




Single Arm Street Light Pole at each
25m should be arranged in
the side green area



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

Date	Revision	Details	Drawn	Chkd	Appr
------	----------	---------	-------	------	------

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:
Street Lighting Details

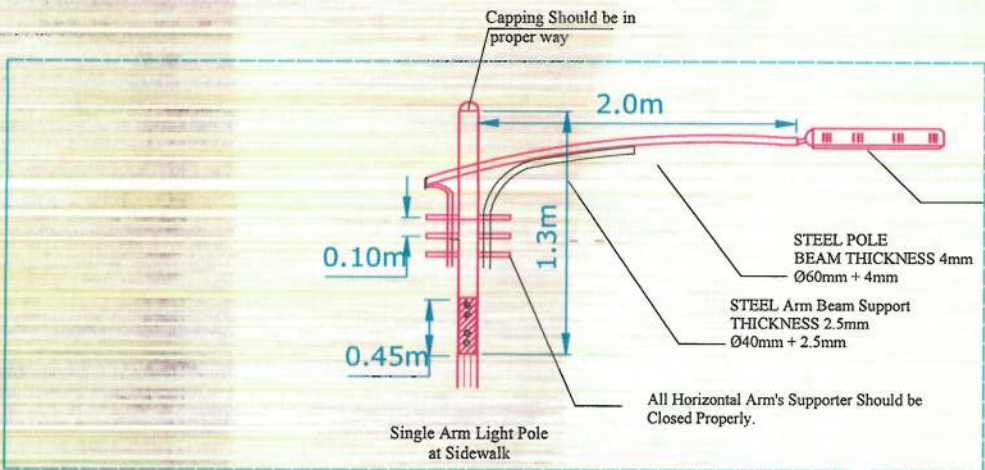
Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M.H. Eisa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/18/2023

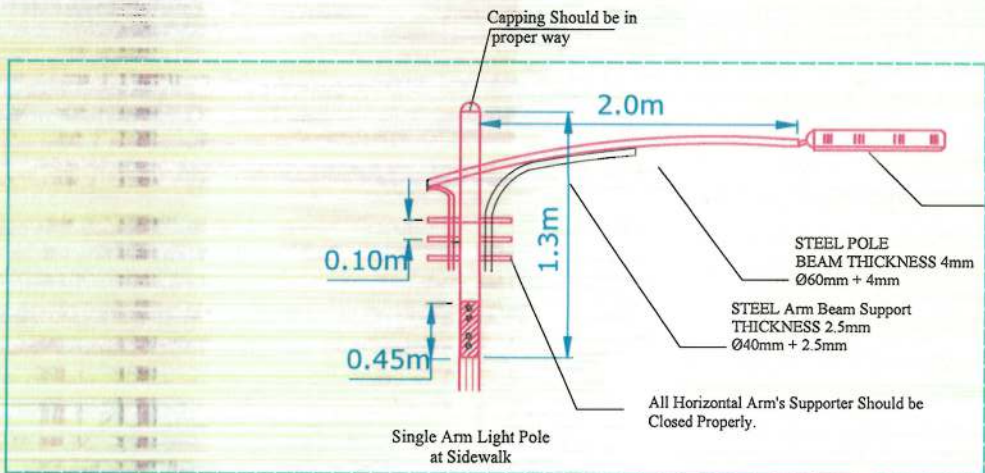
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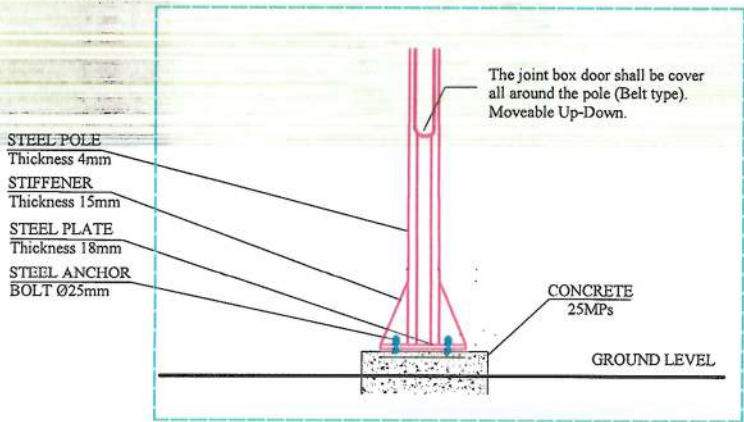
SHEET	PAGE NO	REVISION
S-L-D-01		01



150 Extra Wide Street (EWS) Street Light
Moveable Up-Down
or approved equivalent
Lumin 22622 lm
wattage 150 watt



150 Extra Wide Street (EWS) Street Light
Moveable Up-Down
or approved equivalent
Lumin 22622 lm
wattage 150 watt



Pole Detail

Street Light Pole

NOTE:

1. All dimensions are in meters unless otherwise indicated

Date	Revision	Details	Drawn	Checked	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Details

Drawn:

Jamalulla Nazari

Signature:

Designed:

Jamalulla Nazari

Signature:

Checked:

M.H. Easa sirat

Signature:

Checked:

Hassibullah Shalizi

Signature:

Approved by:

Signature:

Date: 9/18/2023

Status:

FINEL

Project Code

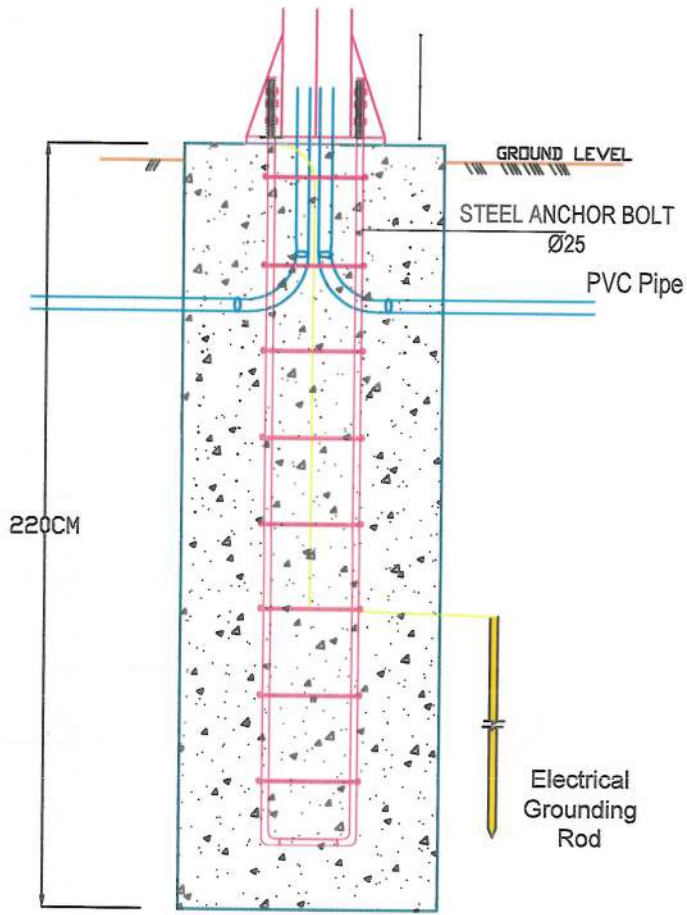
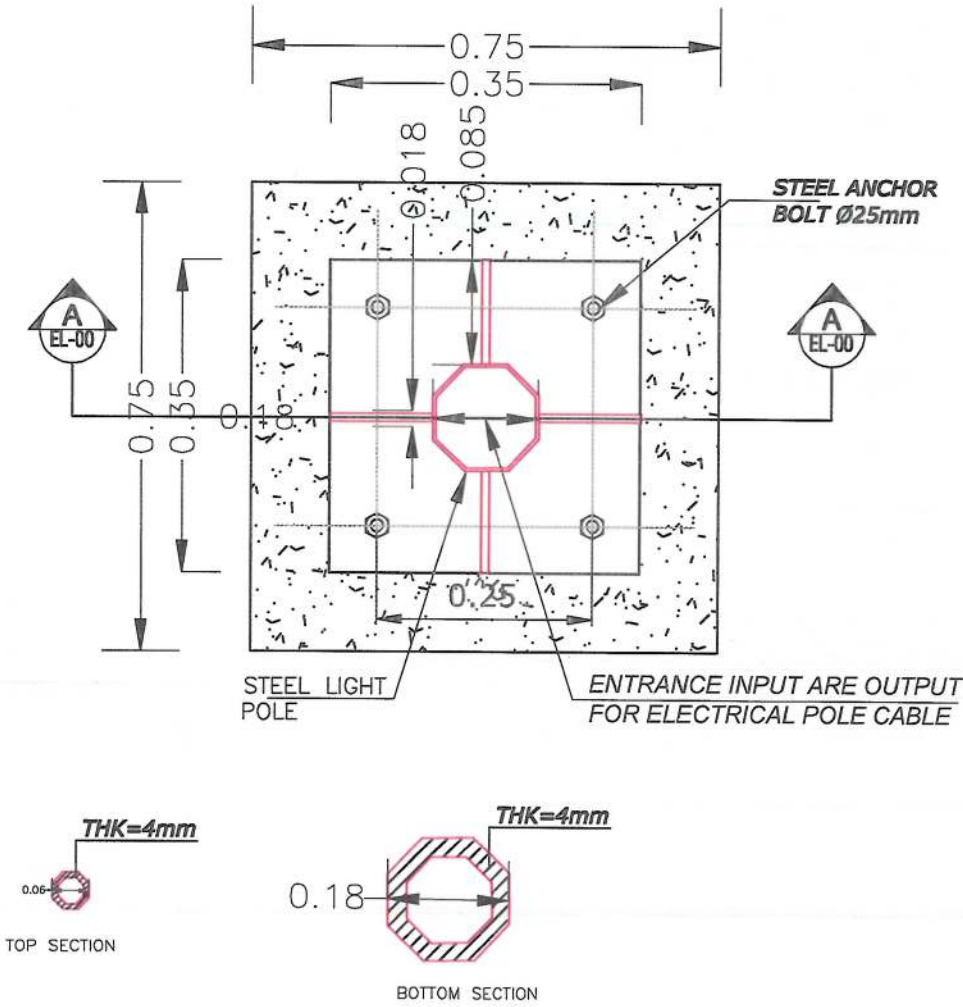
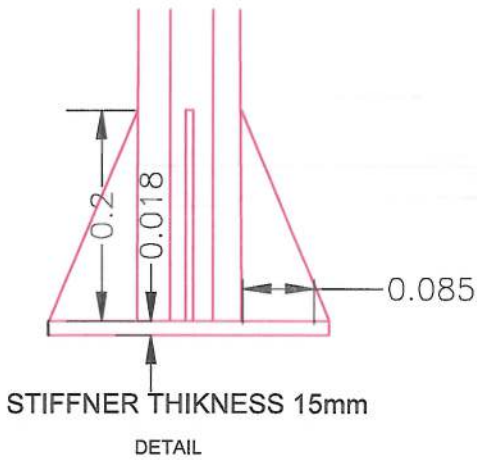
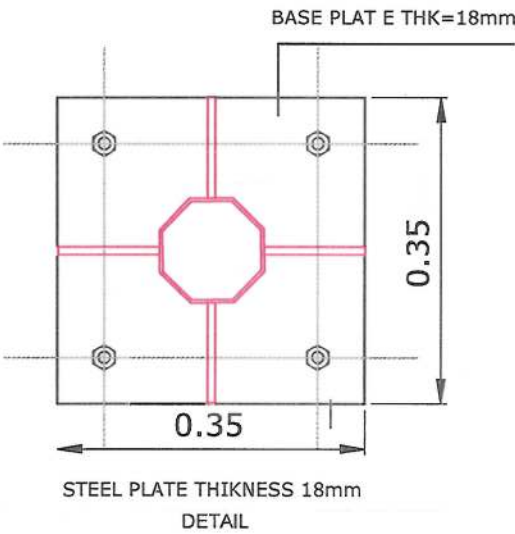
SHEET

S-L-D-02

PAGE NO

REVISION

01



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



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Salz town connecting Road Project

Drawing Title:
Street Lighting Details

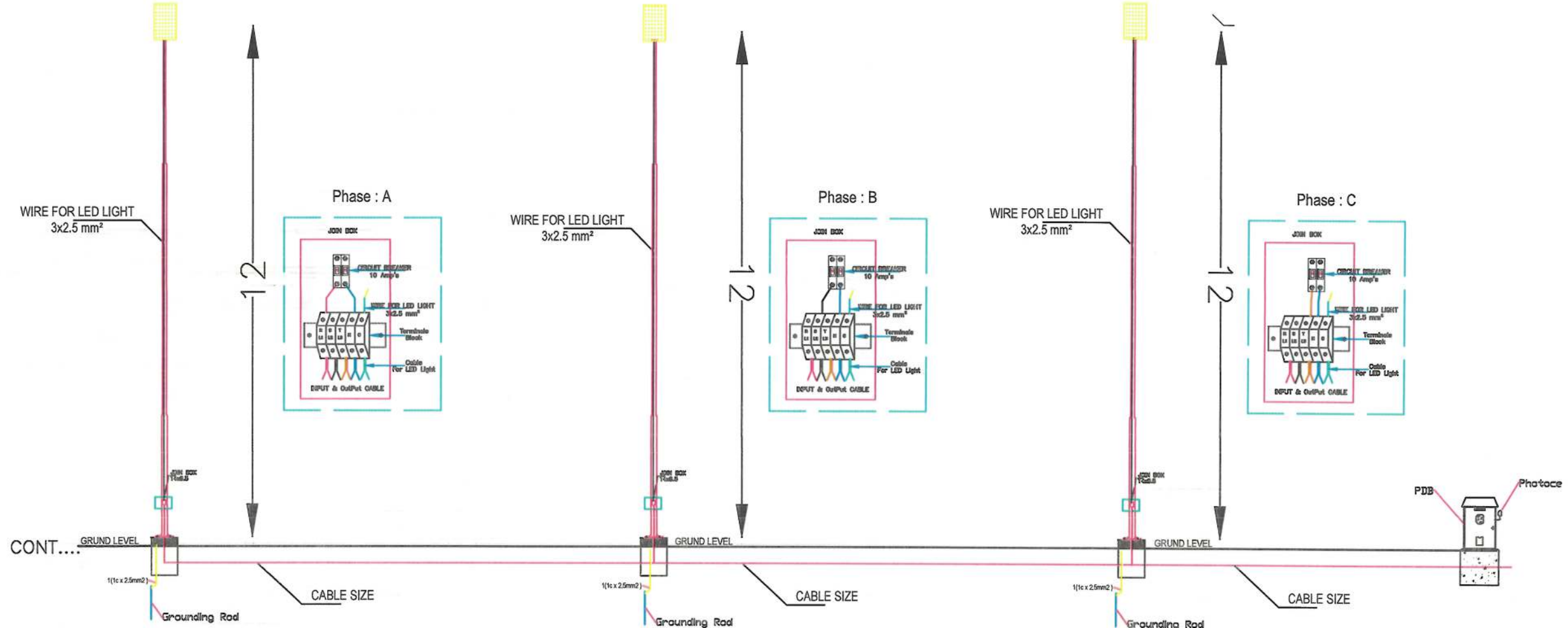
Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M.H. Eisa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/18/2023

Status: FINEL DESIGN

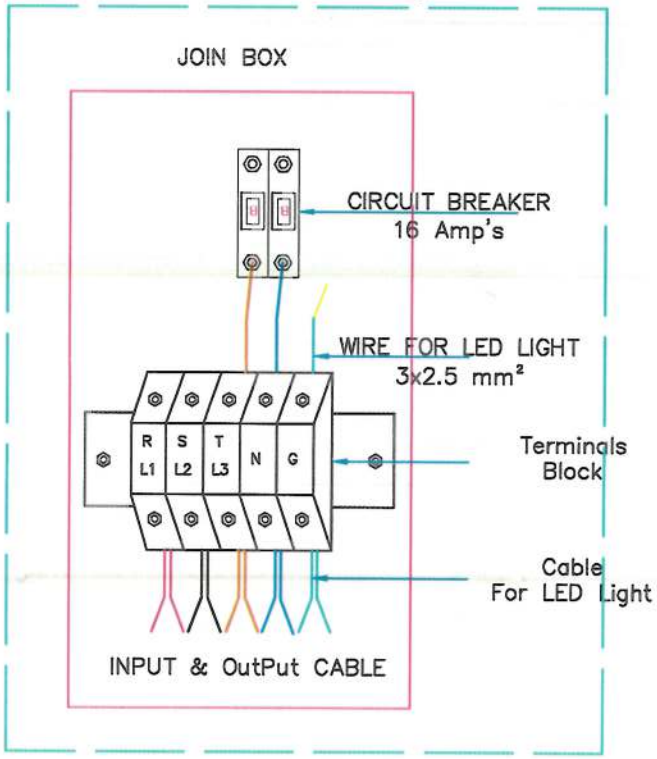
Project Code:

SHEET	PAGE NO	REVISION
S-L-D-03		01



Note:
all Dimension are in Meter

Note:
Its to be noted that during the project implementation, the electrical source should selected Project Manager and DABS team from nearest and proper Source.
the location of distribution panels approximate its must slected in near of electrical sourcs.



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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

Project Name: Ordinal to Ordinal-Subs town connecting Road Project

Drawing Title: Street Lighting Details

Date	Revision	Details	Drawn	Appr
9/18/2023				

Drawn:	Signature:
Designated: Jamshid M. Nemat	Signature:
Checked: M.H. Hossain	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Status: FINEL DESIGN

Project Code:


REVISION	PAGE NO	REVISION
01		



Date	Revision Details	Drawn	Chkd	Appr

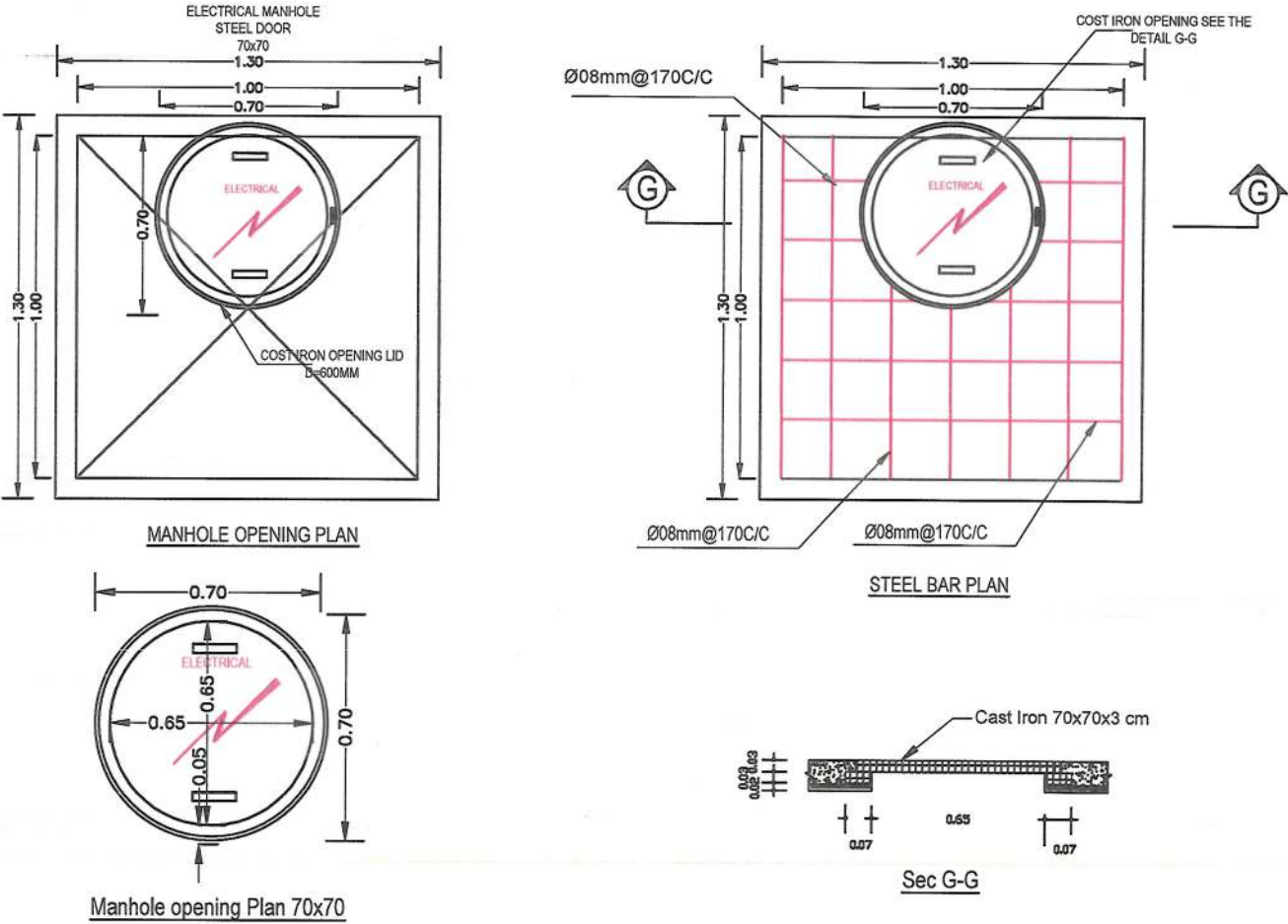
ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: Street Lighting Details		
Drawn: Jamalulha Nazari	Signature: 	
Designed: Jamalulha Nazari	Signature: 	
Checked: M.H Essa sirat	Signature: 	
Checked: Hasibullah Shatizi	Signature: 	
Approved by:	Signature: 	
Date: 9/23/2023		
Status: FINAL DESIGN		
Project Code		
SHEET S-L-D-05	PAGE NO	REVISION 01



NOTE:



Date	Revision Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

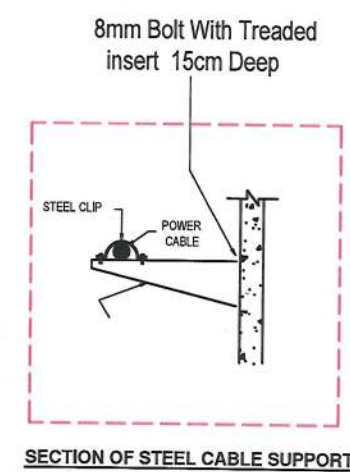
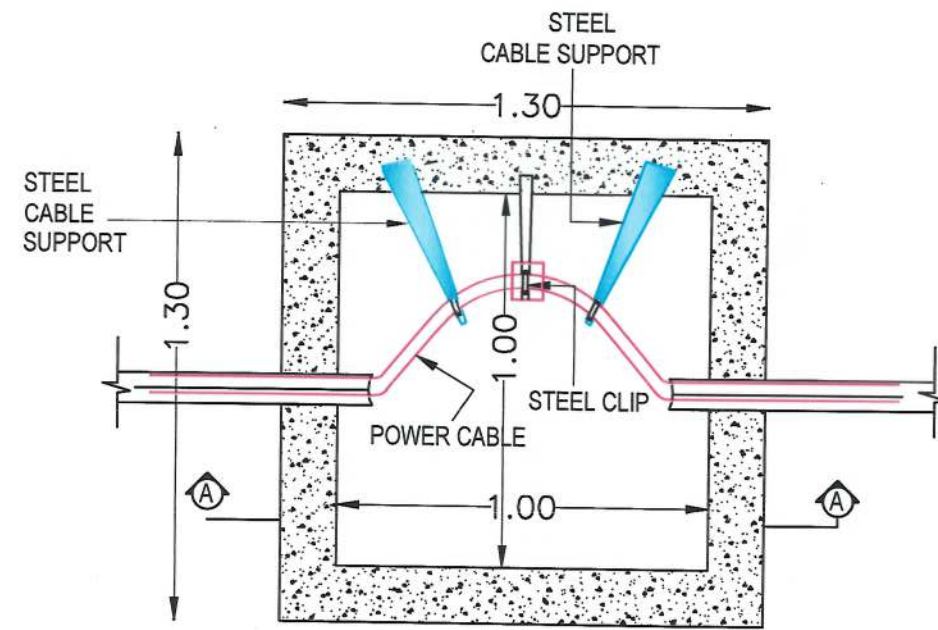
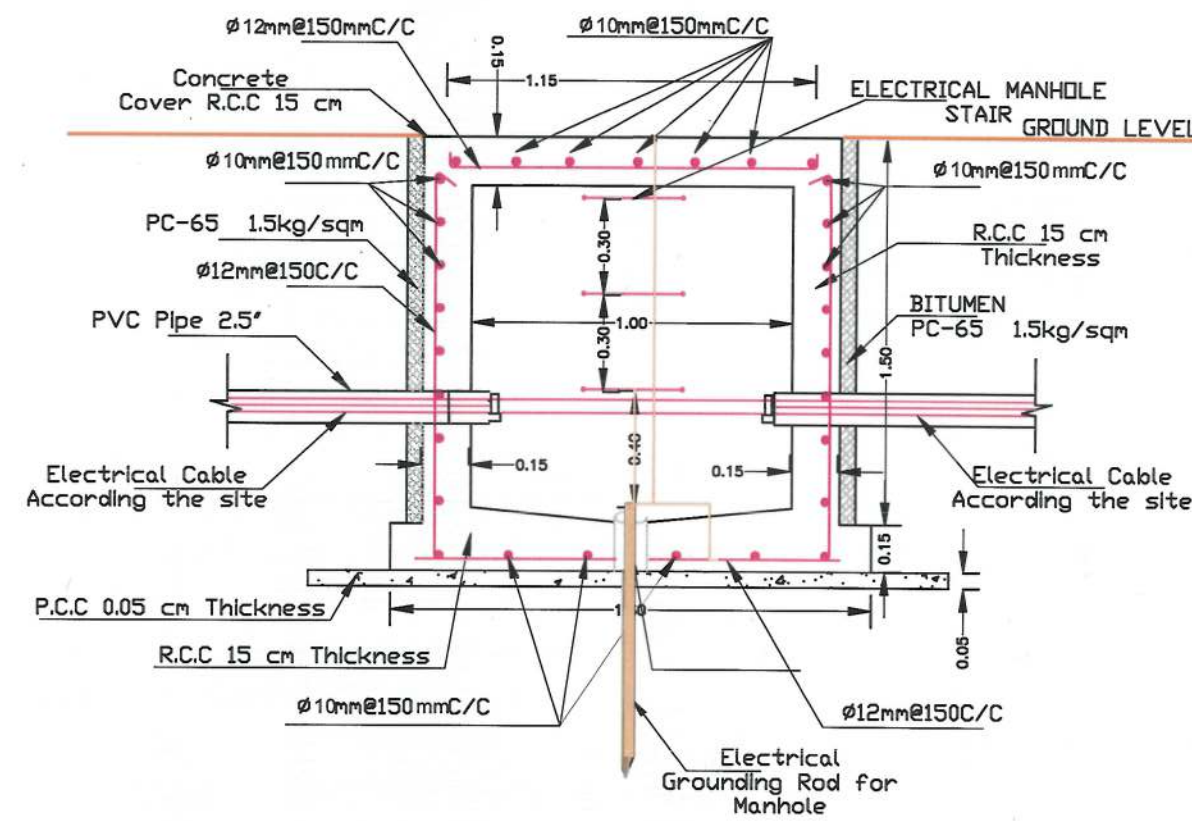
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:

Street Lighting Manhole

Drawn: Jamalulla Nazari	Signature:
Designed: Jamalulla Nazari	Signature:
Checked: M.H. Ensa sirat	Signature:
Checked: Hasibullah Shaltel	Signature:
Approved by:	Signature:

Date:	9/18/2023
Status:	FINEL DESIGN
Project Code:	
SHEET S-L-M-01	REVISION 01



NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:

PROJECT NAME:

ORFANI TO OMID-E-SABZ TOWN CONNECTING ROAD PROJECT

DRAWING TITLE:

Street Lighting Manhole

DRAWN: Jamalullah Nazari

DESIGNED: Jamalullah Nazari

CHECKED: M.H. Essa strat

CHECKED: Hasibullah Shalizi

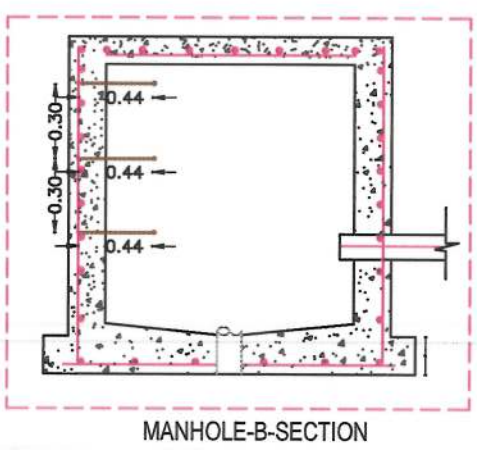
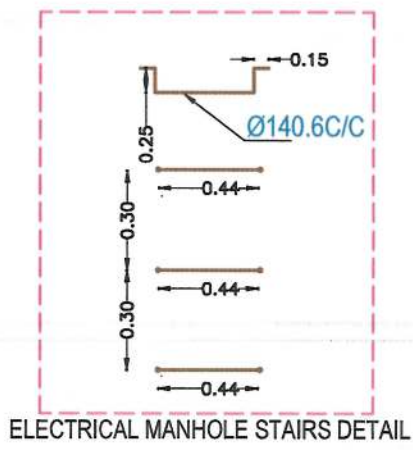
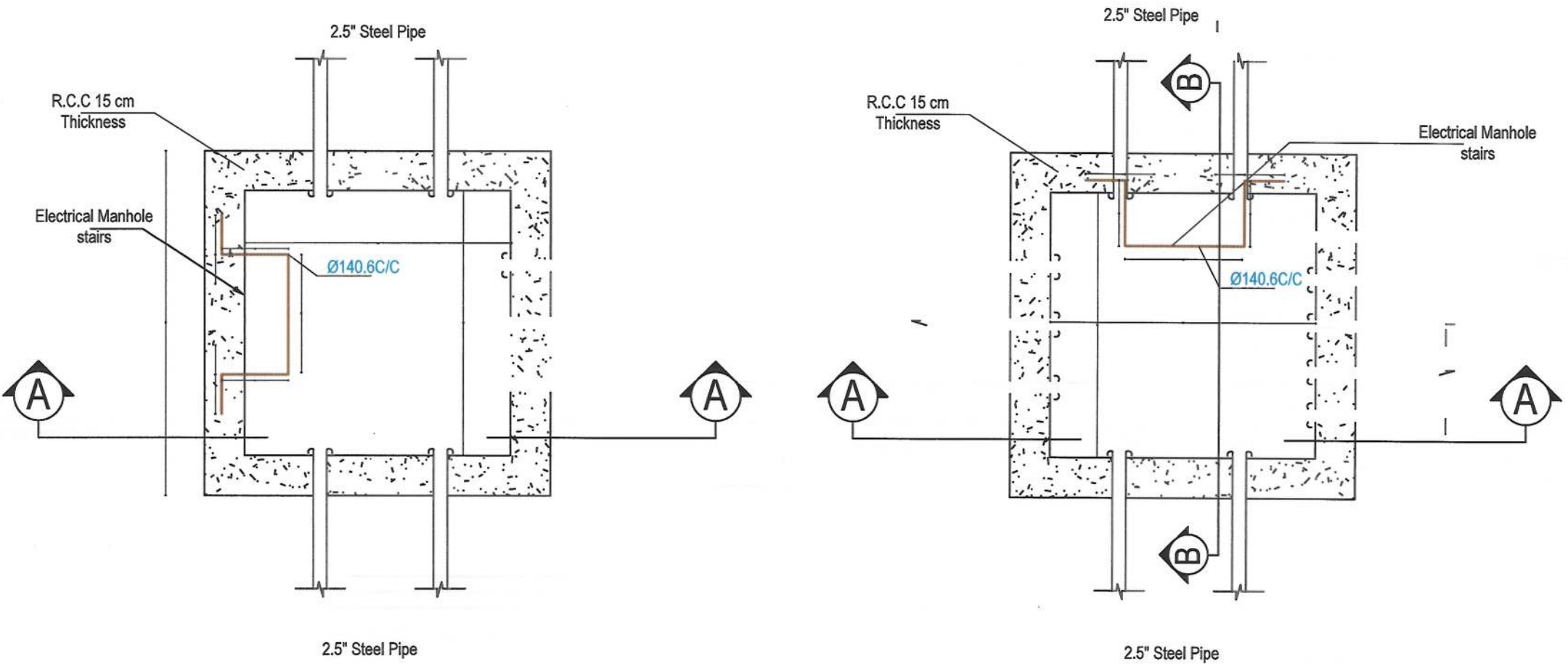
APPROVED BY:

DATE: 9/26/2023

STATUS: FINEL DESIGN

PROJECT CODE:

SHEET	PAGE NO	REVISION
S-L-M-02		01



NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY DESIGN TEAM

PROJECT NAME: Orfani to Omid-e-Sabz town connecting Road Project

DRAWING TITLE: Street Lighting Manhole

DRAWN: Jamalulha Nazari
DESIGNED: Jamalulha Nazari
CHECKED: M.H Essa sirat
CHECKED: Hasibullah Shalizi
APPROVED BY:

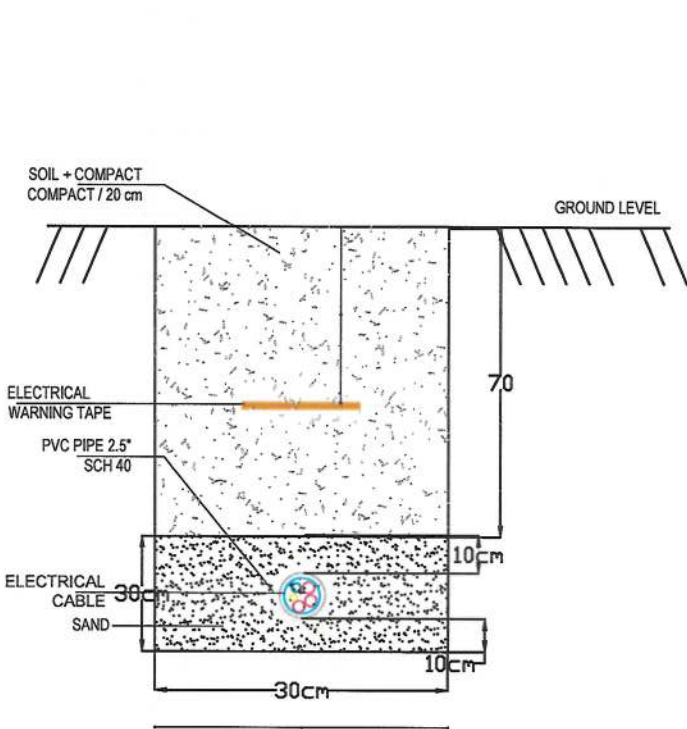
SIGNATURE:

DATE: 9/22/2023

STATUS: FINEL DESIGN

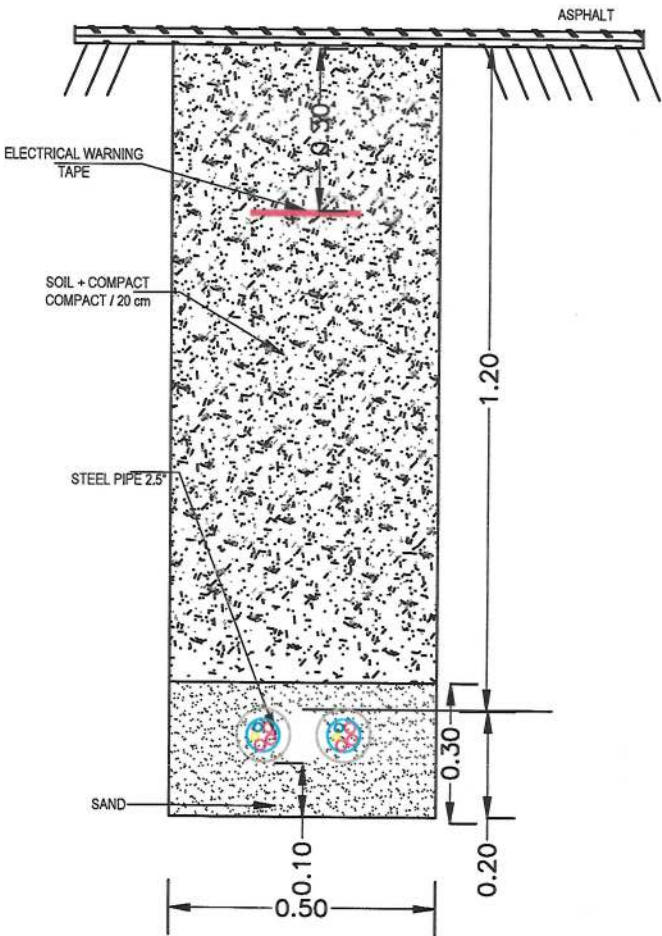
PROJECT CODE:

SHEET	PAGE NO	REVISION
S-L-M-03		01



DETAIL-1

Note:
Under the carigeway should
use brids top on the pipes



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:
Street Lighting Manhole

Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M.H Essa sirat	Signature:
Checked: Hoshtuliah Shaltzi	Signature:
Approved by:	Signature:

Date: 9/23/2023

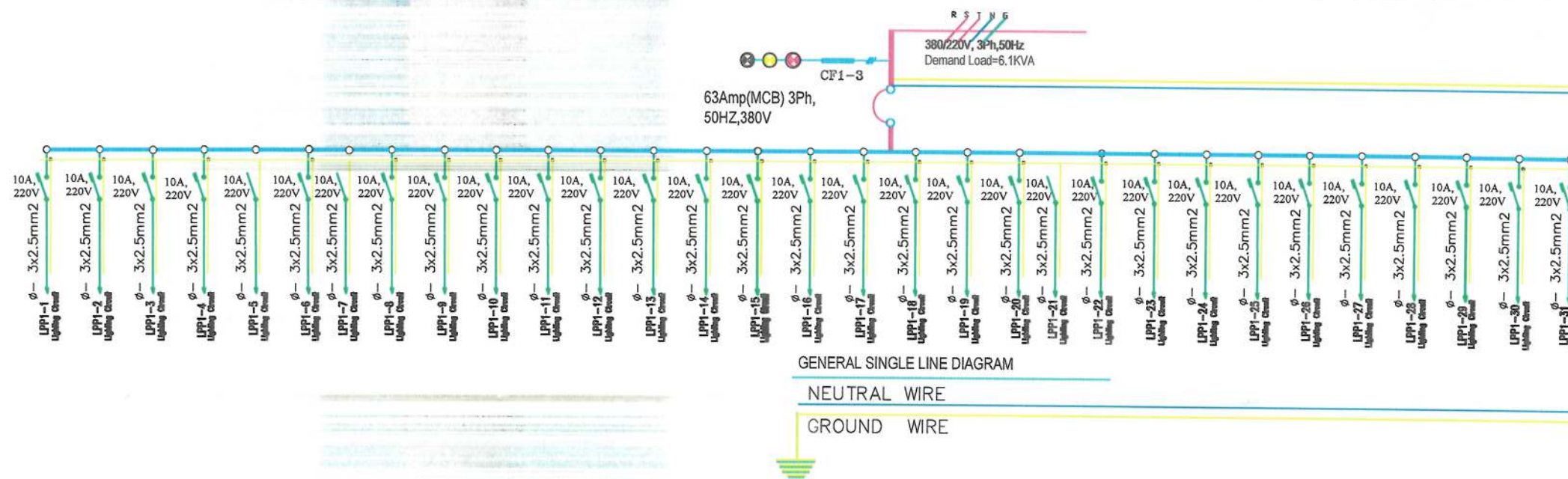
Status: **FINEL
DESIGN**

Project Code

SHEET	PAGE NO	REVISION
S-L-M-04		01

			LIGHTING POWER PANEL BOARD SCHEDULE OF FIRST SECTION													MOUNTING , SURFACE PANEL BOARD LOCATION :-				
380Y / 220 VOLTS, 3 PHASE , 5 WIRE 50Hz PANEL BOARD			MAIN CIRCUIT BREAKER:- 3 Ph-63A																	
WIRE & CONDUIT mm2	GND WIRE	LOAD DESCRIPTION	DEMEANED (VA)			AMP	POLE	CKT	A	B	C	CKT	POLE	AMP	DEMEANED (VA)			LOAD DESCRIPTION	GND WIRE	WIRE & CONDUIT mm2
			A	B	C										C					
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
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2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
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2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
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2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
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2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10								10		150		LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10								10			150	LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10								10	150			LIGHTING	2.5mm2	2(1C X2.5 mm) Ø 20mm

	VA	AMP
Total Phase A	1500	6.82
Total Phase B	1650	7.50
Total Phase C	1500	6.82
Total Connected Load	4.65	VA
Power Factor=0.8	5.8125	
Demand Factor Load =0.7	4.06875	VA
20 % Future Load	0.81375	VA
Total Load	6.10313	KVA
Total Ampere 3 PH	12.05	AMP



NOTE:

Date	Revision Details	Drawn	Chkd.	Appr.
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Wiring

Drawn:
Jamalulha Nozari

Signature

Designed: Jamalulha Nazari

ari	Classification
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Checked:

Signature _____

Checked:

Hasibullah S

Sign

Date: 9/18/2023

Status:	FINEL DESIGN
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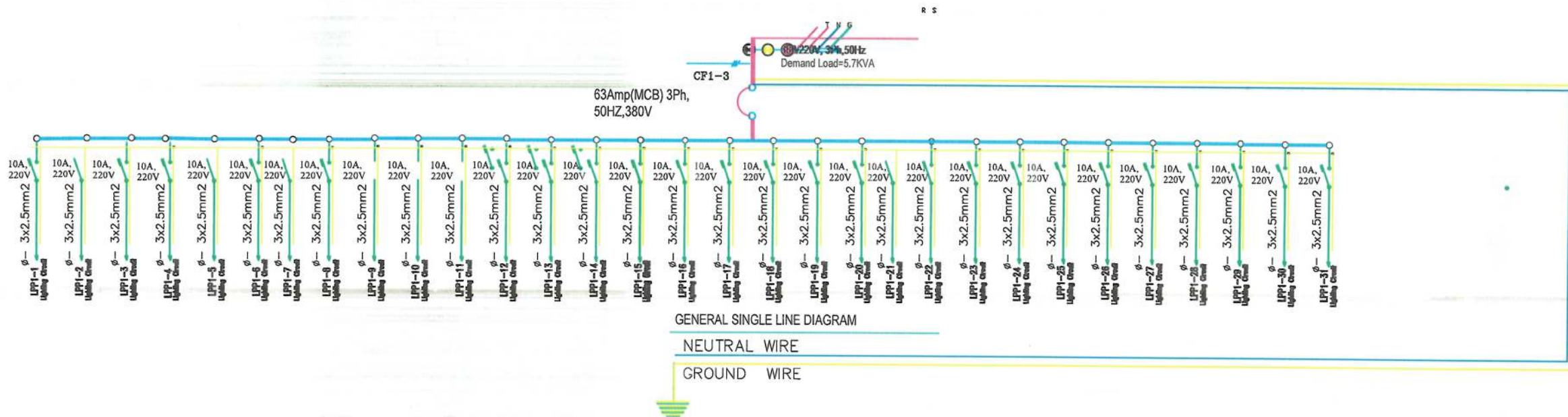
Project Code

SHEET
S-L-W-02

PAGE NO

REVISION
01

380Y / 220 VOLTS, 3 PHASE , 5 WIRE 50Hz PANEL BOARD			LIGHTING POWER PANEL BOARD SCHEDULE OF FIRST SECTION												MOUNTING , SURFACE PANEL BOARD LOCATION :-				
			MAIN CIRCUIT BREAKER:-						3 Ph-63A										
WIRE & CONDUIT mm2	GND WIRE	LOAD DESCRIPTION	DEMEANED (VA)		AMP	POLE	CKT	A	B	C	CKT	POLE	AMP	DEMEANED (VA)		LOAD DESCRIPTION	GND WIRE	WIRE & CONDUIT mm2	
			A	B	C									C	B	A			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10	150			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10							10		150		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10							10			150	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10	150			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10							10		150		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10							10			150	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10	150			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10							10		150		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10							10			150	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		150		10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			150	10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150			10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm3	LIGHTING		150		10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm4	LIGHTING			150	10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	150	150		10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm3	LIGHTING				10							10				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
SUB - TOTAL			1050	1050	900									450	450	450	SUB - TOTAL		
			VA	AMP															
Total Phase A			1500	6.82															
Total Phase B			1500	6.82															
Total Phase C			1350	6.14															
Total Connected Load			4.35	VA															
Power Factor=0.8			5.4375																
Demand Factor Load =0.7			3.80625	VA															
20 % Future Load			0.76125	VA															
Total Load			5.70938	KVA															
Total Ampere 3 PH			11.28	AMP															



NOTE:



Date	Revision Details	Drawn	Chkd.	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Wiring

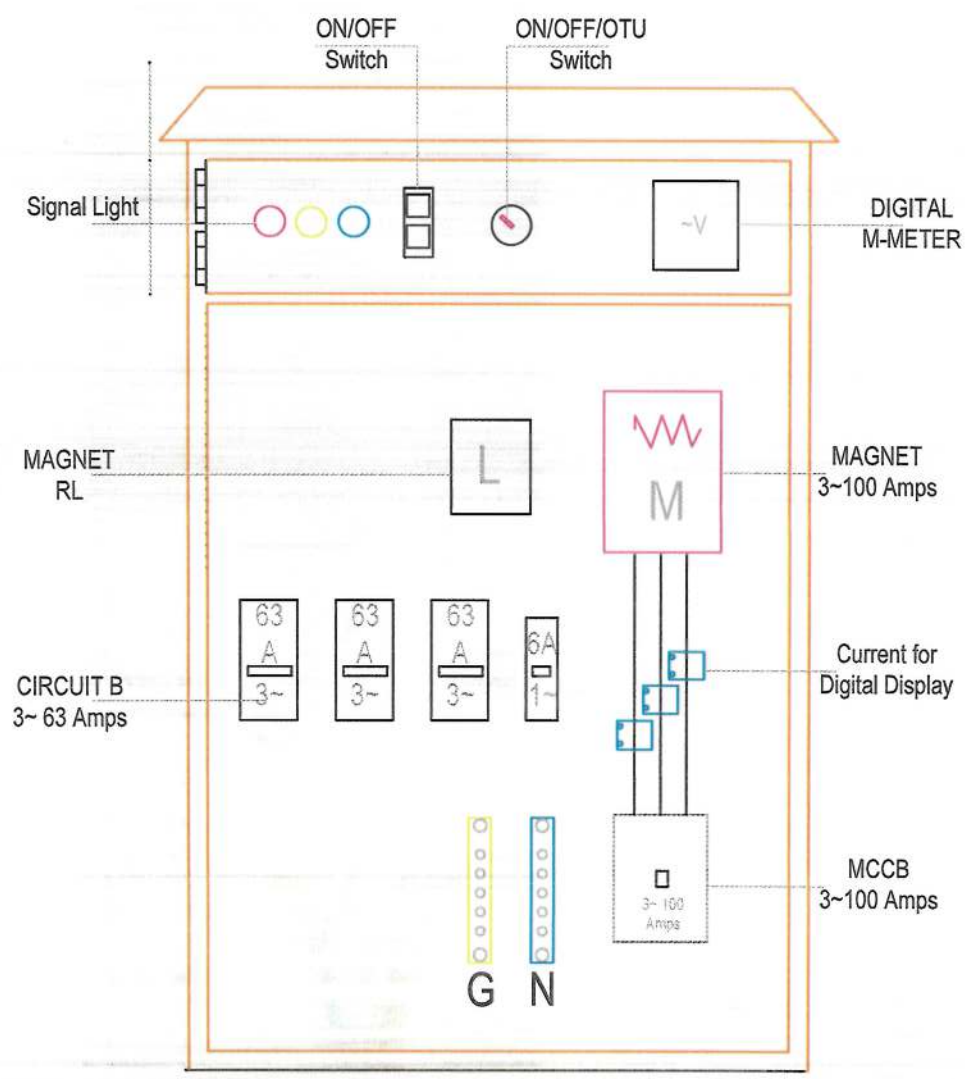
Drawn: Jamalultha Nazari	Signature:
Designed: Jamalultha Nazari	Signature:
Checked: M H Essa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/18/2023

Status: **FINEL
DESIGN**

Project Code

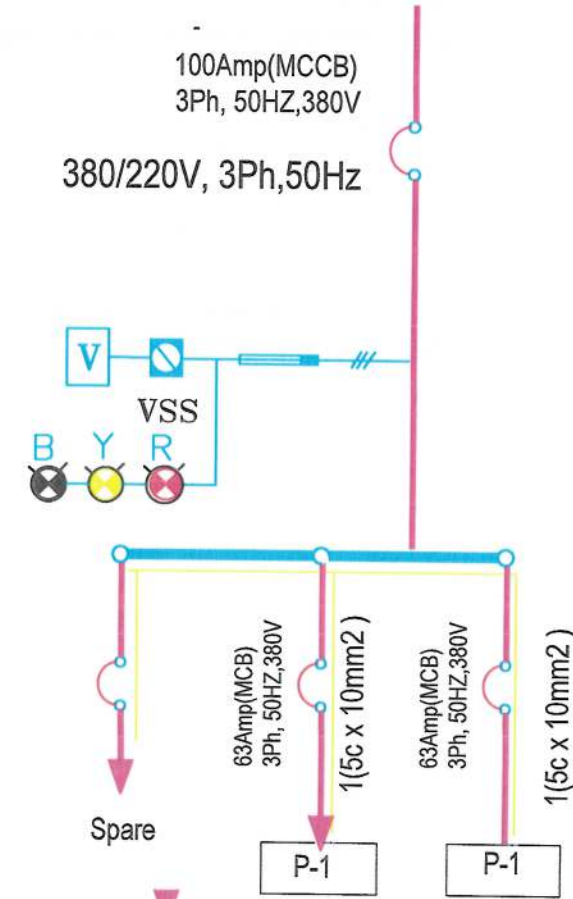
SHEET S-L-W-03	REVISION 01
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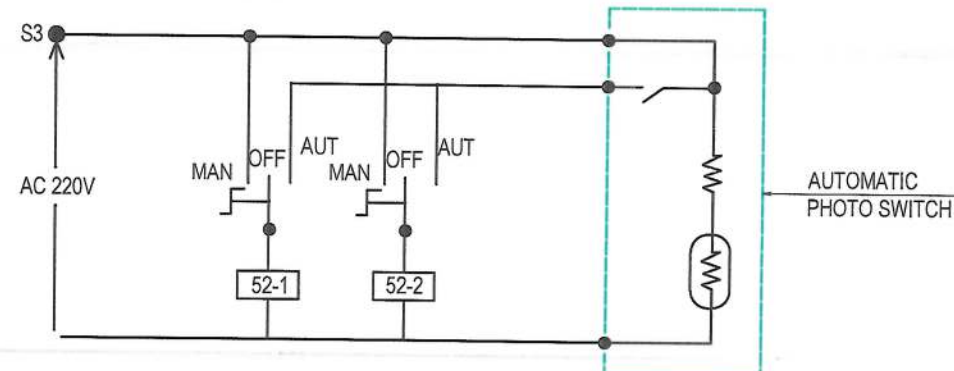
COLORS COD

IEC WIRE COLORS (60227)				
GROUND	NEUTRAL	PHASE A	PHASE B	PHASE C
YEL/GRN	BLUE	BROWN	BLACK	GRAY

POWER CALCULATION SCHEDULE PLAN



GENERAL SINGLE LINE DIAGRAM (MDB)



AUTOMATIC PHOTO SWITCH

NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:

Street Lighting Wiring

Drawn:

Jamalulha Nazari

Signature:

Designed:

Jamalulha Nazari

Signature:

Checked:

M.H. Easa sirat

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

9/18/2023

Status:

FINEL DESIGN

Project Code

SHEET

S-L-W-04

PAGE NO

REVISION

01

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MDP

Photo cell

Photocell
Light

ventilation

POWER DISTRIBUTION BOARD
FRONT VIEW
For Road

Ø = 60mm Thickness 3mm

Ø = 60mm Thickness 3mm

1500mm

GROUNDING
ELECTRODE

Angle = (40 X 40 X3)MM

10CM

Satisfactory material

75CM

Concrete Grade

NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Wiring

Drawn:
Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:
M.H. Essa sirat

Signature:

Checked:
Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 9/26/2023

Status: FINEL
DESIGN

Project Code

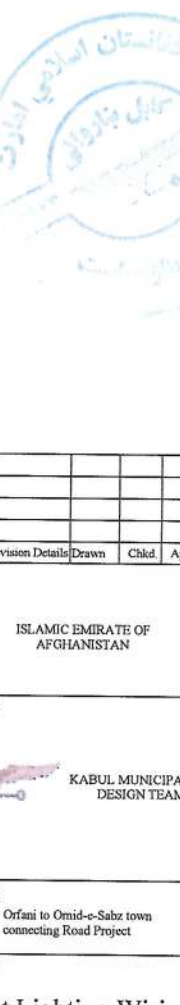






SHEET
S-L-W-05

PAGE NO
01

REVISION
01

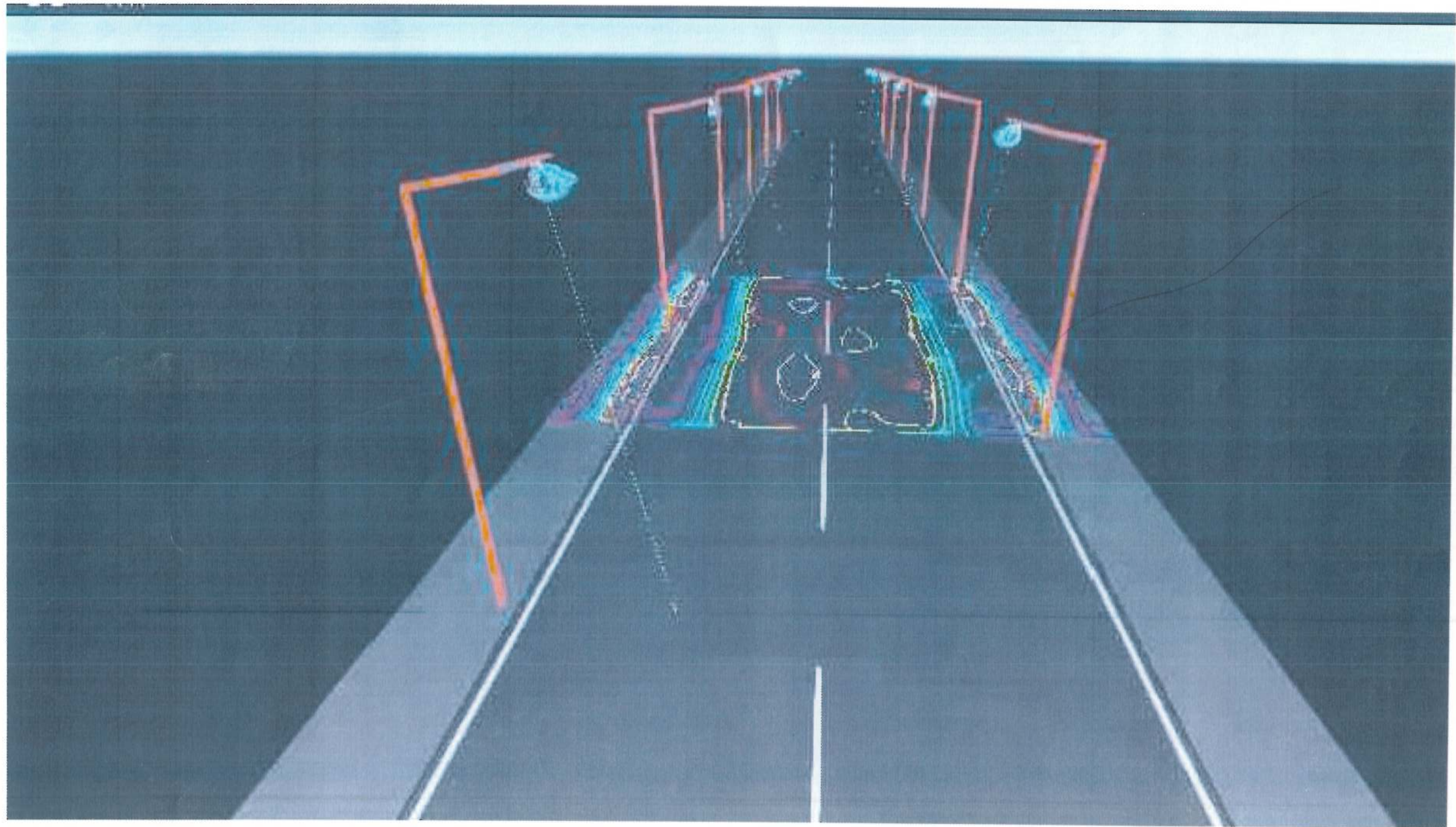
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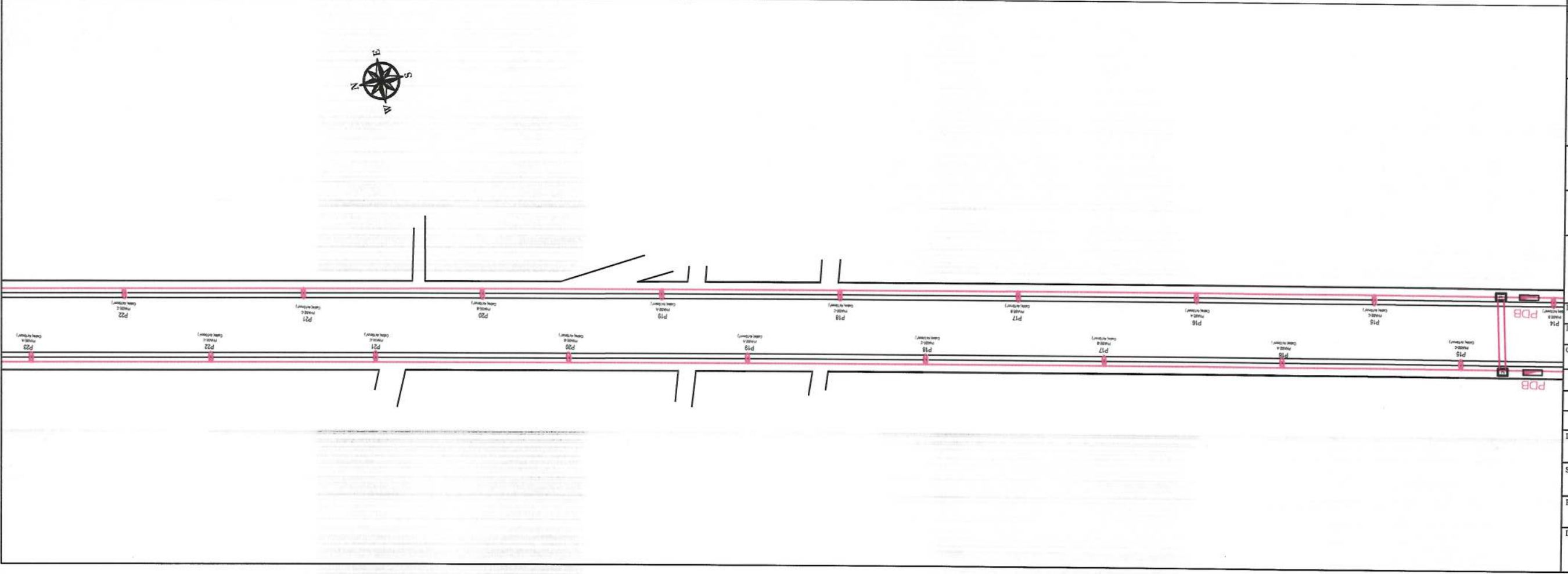
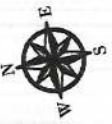
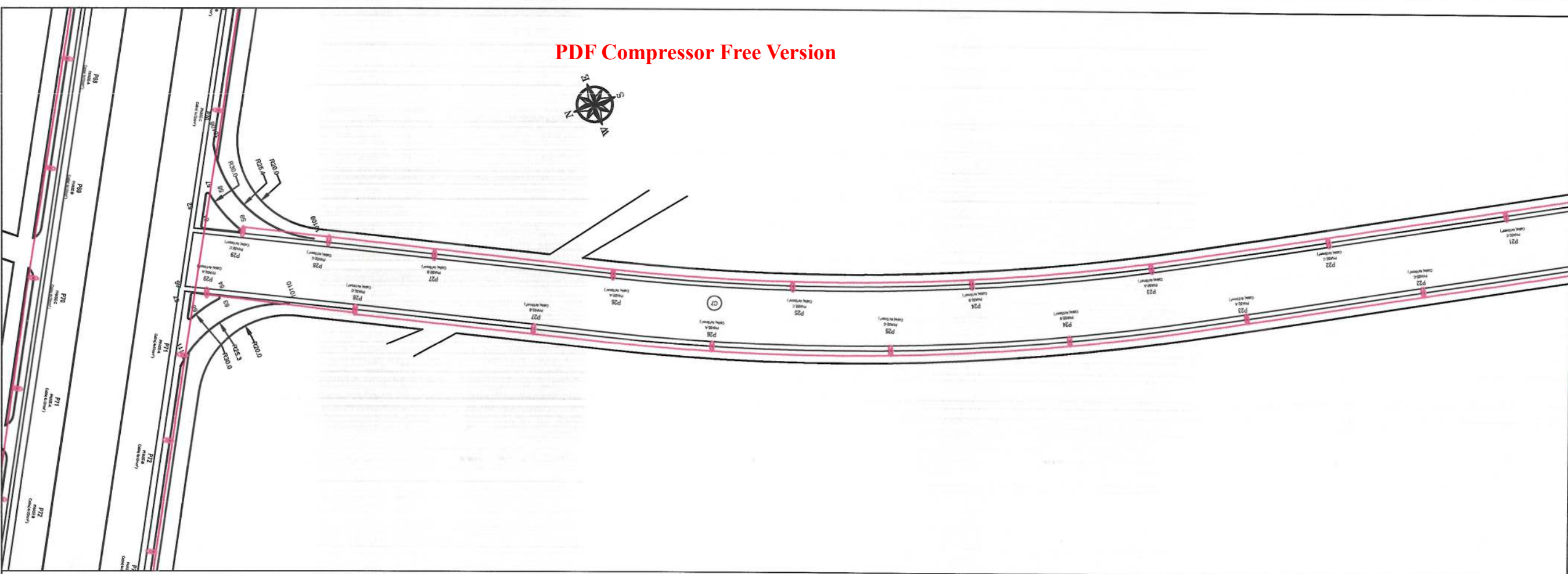
NOTE:				
				
Date	Revision Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN				
Designed By: <div style="display: flex; align-items: center; justify-content: center; margin-top: 10px;">  <div style="margin-left: 10px;"> KABUL MUNICIPALITY DESIGN TEAM </div> </div>				
Project Name: <div style="text-align: center; margin-top: 5px;"> Orfani to Omid-e-Sabz town connecting Road Project </div>				
Drawing Title: <div style="text-align: center; margin-top: 10px; font-size: 1.2em;"> Street Lighting Wiring </div>				
Drawn: Jamalullah Nazari		Signature: <div style="text-align: right; margin-top: 5px;">  </div>		
Designed: Jamalullah Nazari		Signature: <div style="text-align: right; margin-top: 5px;">  </div>		
Checked: M H Essa sirat		Signature: <div style="text-align: right; margin-top: 5px;">  </div>		
Checked: Hosiboullah Shalizi		Signature: <div style="text-align: right; margin-top: 5px;">  </div>		
Approved by:		Signature: <div style="text-align: right; margin-top: 5px;">  </div>		
Date: 9/18/2023				
Status: FINEL DESIGN				
Project Code				
SHEET S-L-W-06	PAGE NO	REVISION 01		

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STREET LIGHTING SECTION



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NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole

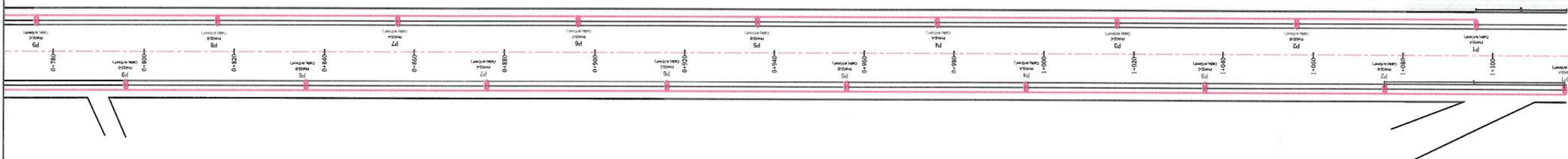
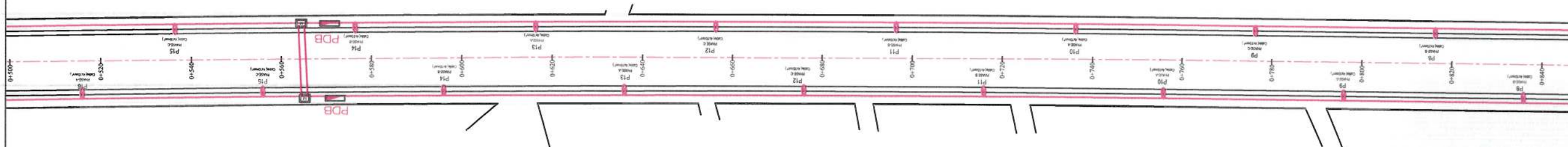


Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN	
Client: KABUL MUNICIPALITY	
Designed by: KABUL MUNICIPALITY DESIGN TEAM	
Project Name: Orfani to Omid-e-Sabz town connecting Road Project	
Drawing Title: Lighting - Plane	
Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Eisa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:
Date: 9/22/2023	Scale: 1:1000
Status: FINAL DESIGN	
Project Code	
Drawing Number EP-1	Revision 00



PDF Compressor Free Version



NOTE:
1-All cables to be used for street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

- LEGEND
- STREET LIGHTING
 - MDP
 - Conduit & Conductor
 - Steel-Pipe
 - Manhole



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:
Lighting - Plane

Designed by: Jamalullah Nazari	Signature:
Drawn by: Jamalullah Nazari	Signature:
Checked by: Mohammad Easa Sirat	Signature:
Checked by: Hasibullah Shalizi	Signature:

Date: 9/18/2023	Scale: 1:1000
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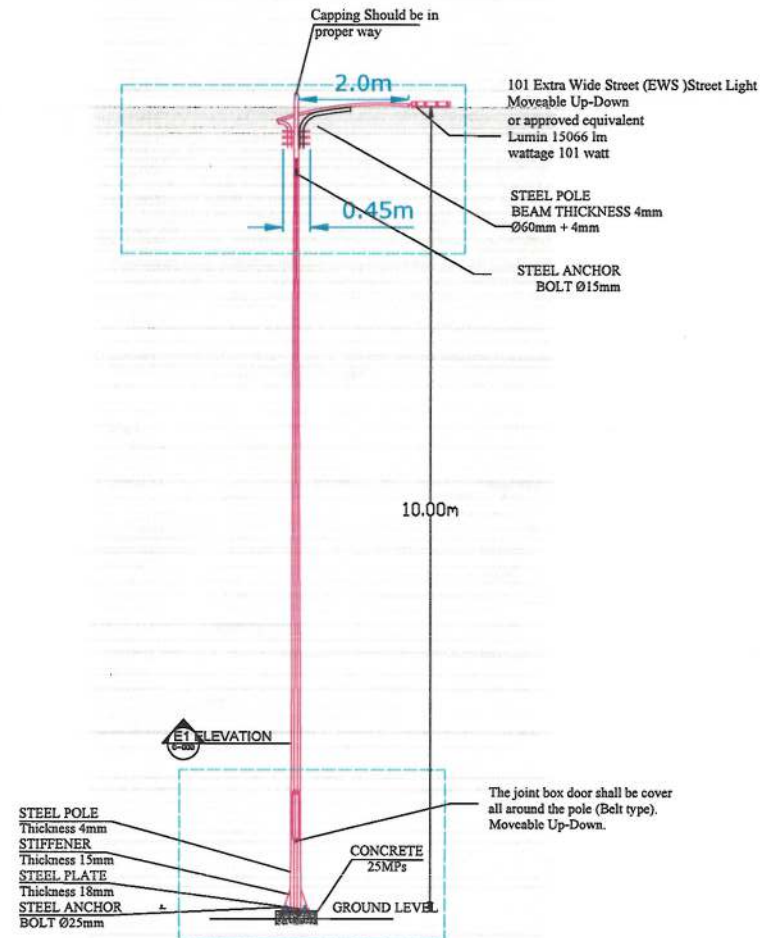
Status:
FINAL DESIGN

Project Code

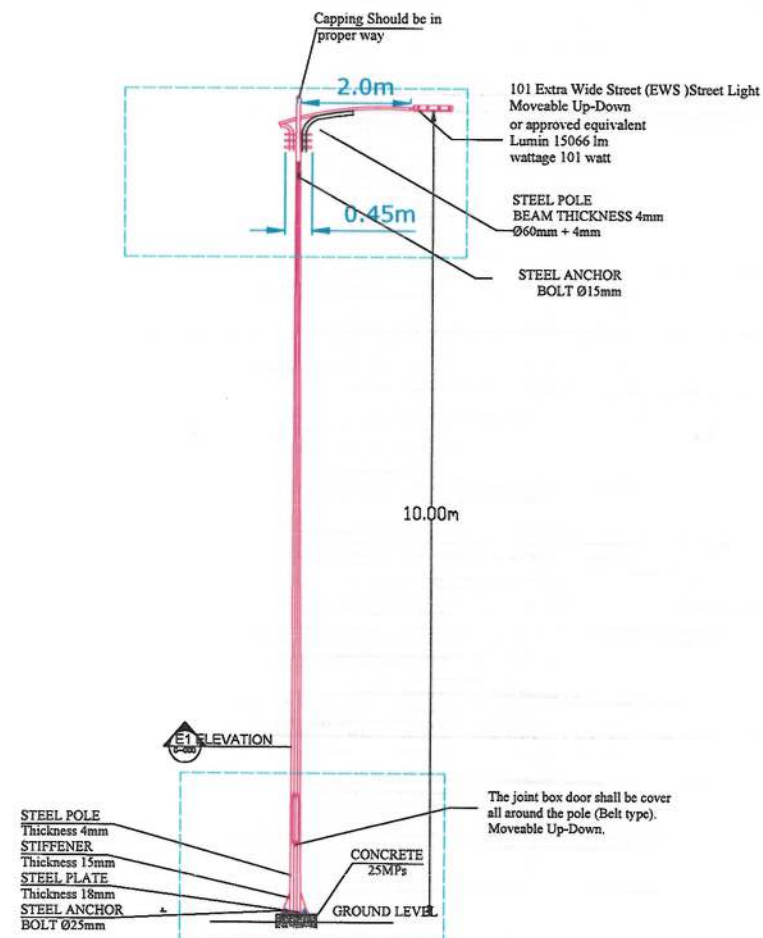
Drawing Number EP-2	Revision 00
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STREET LIGHTING POLE



Single Arm Street Light Pole at each 40m should be arranged in the sidewalk



Single Arm Street Light Pole at each 40m should be arranged in the sidewalk

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



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M.H. Essa sirat	Signature:
Checked: Hasibullah Shallzi	Signature:
Approved by:	Signature:

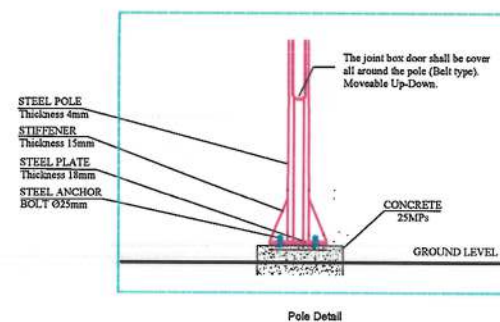
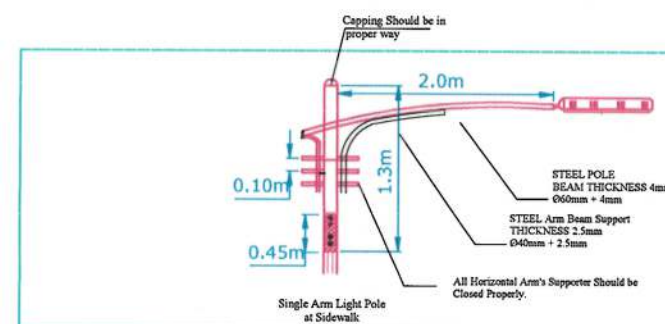
Date: 9/22/2023

Status: FINEL DESIGN

Project Code

SHEET	PAGE NO	REVISION
S-L-D-01		01

1. All dimensions are in meters unless otherwise indicated.



Pole Detail

Street Light Pole



Date	Revision Details	Drawn	Chkd.	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:

Orfani to Omid-e-Sabz town connecting Road Project

Drawing Title:

Street Lighting Details

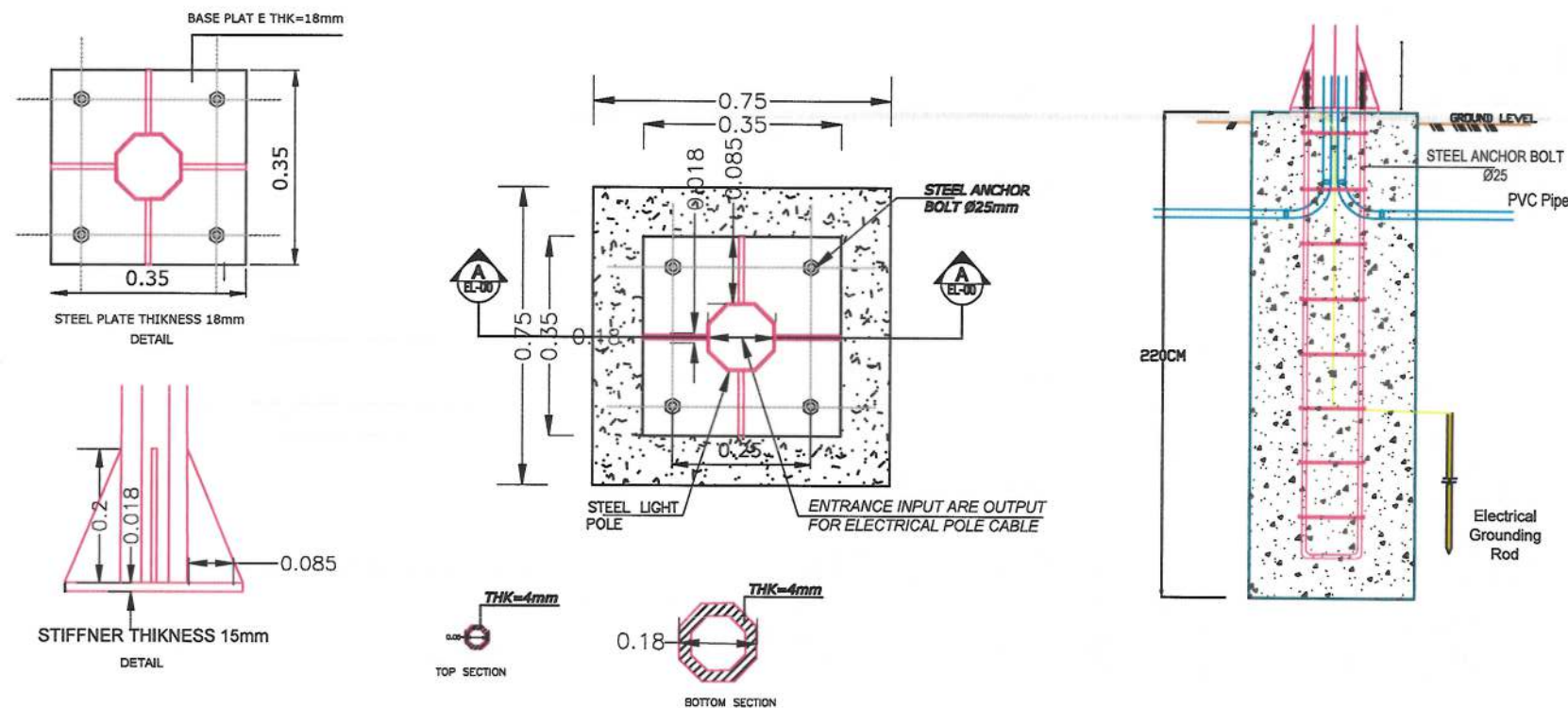
Drawn: Jamalulhiza Nazari	Signature:
Designed: Jamalulhiza Nazari	Signature:
Checked: M.H Essa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/22/2023

Status:	FINEL DESIGN
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Project Code

SHEET S-L-D-02	PAGE NO	REVISION 01
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NOTE:

1. All dimensions are in meters unless otherwise indicated.



Date Revision Details Drawn Chkd. Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Details

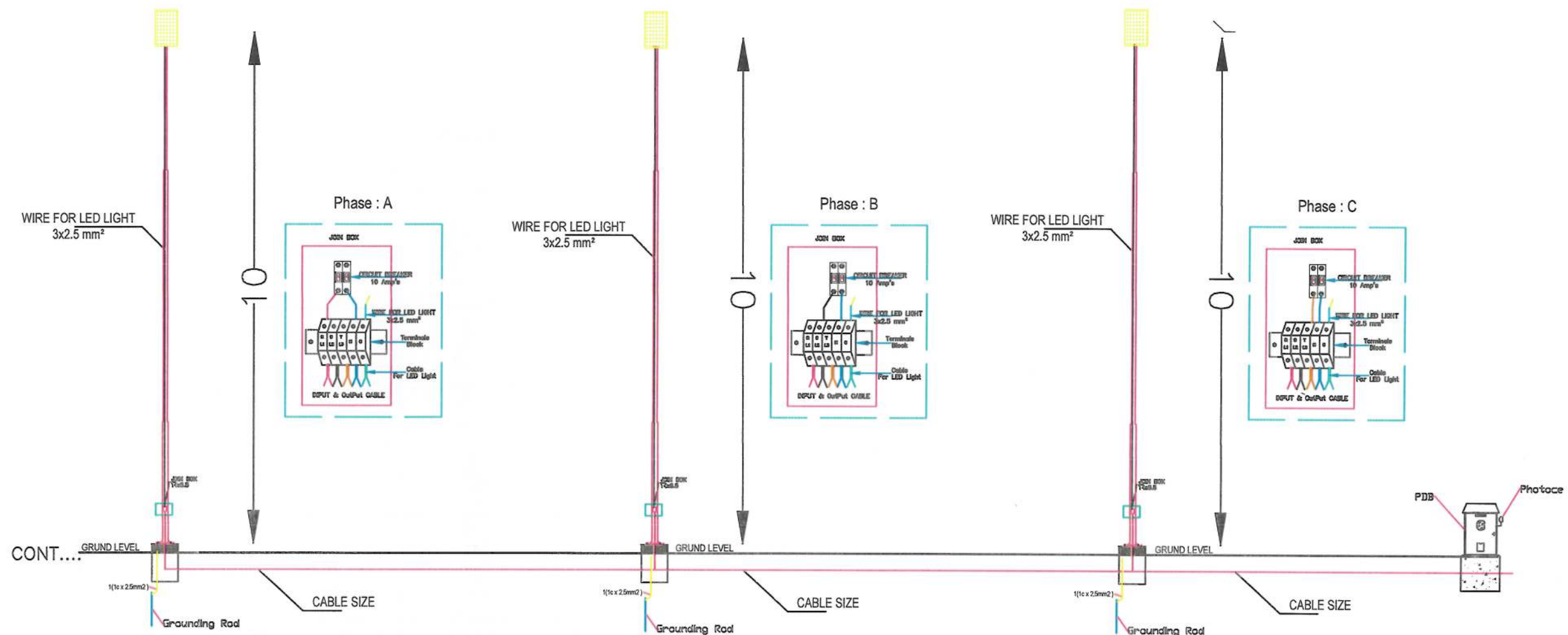
Drawn: Jamshid Nazari Signature: [Signature]
Designed: Jamshid Nazari Signature: [Signature]
Checked: M.H. Essi sirat Signature: [Signature]
Checked: Hosbullah Shalizi Signature: [Signature]
Approved by: Signature: [Signature]

Date: 9/22/2023

Status: FINAL
DESIGN

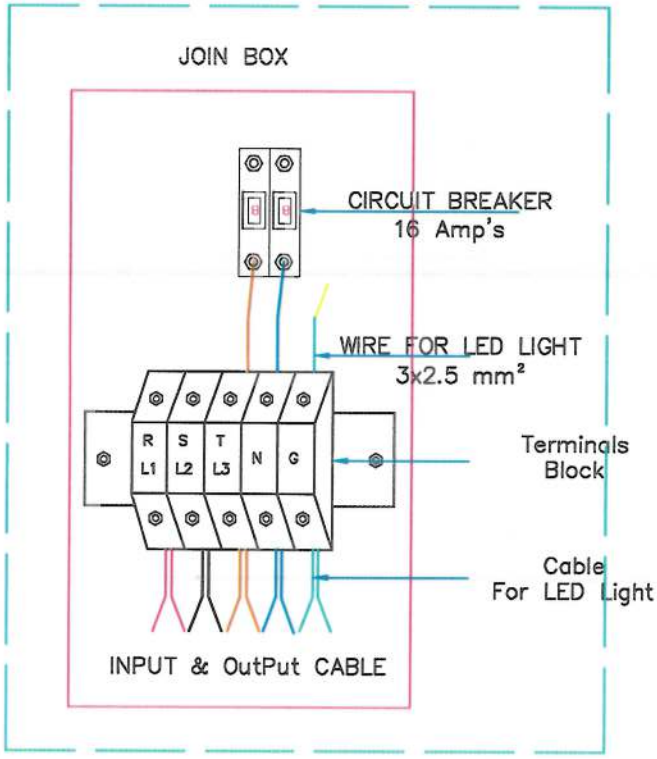
Project Code

SHEET S-L-D-03 PAGE NO REVISION 01



Note:
all Dimension are in Meter

Note:
Its to be noted that during the project implementation, the electrical source should selected Project Manager and DABS team from nearest and proper Source.
the location of distribution panels approximate its must slected in near of electrical sourcs.



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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Ordnal to Omd-e-Saba town connecting Road Project

Drawing Title:
Street Lighting Details

Drawn	Signature
Designed/Checked	Signature
Checked	Signature
Checked	Signature
Approved by	Signature

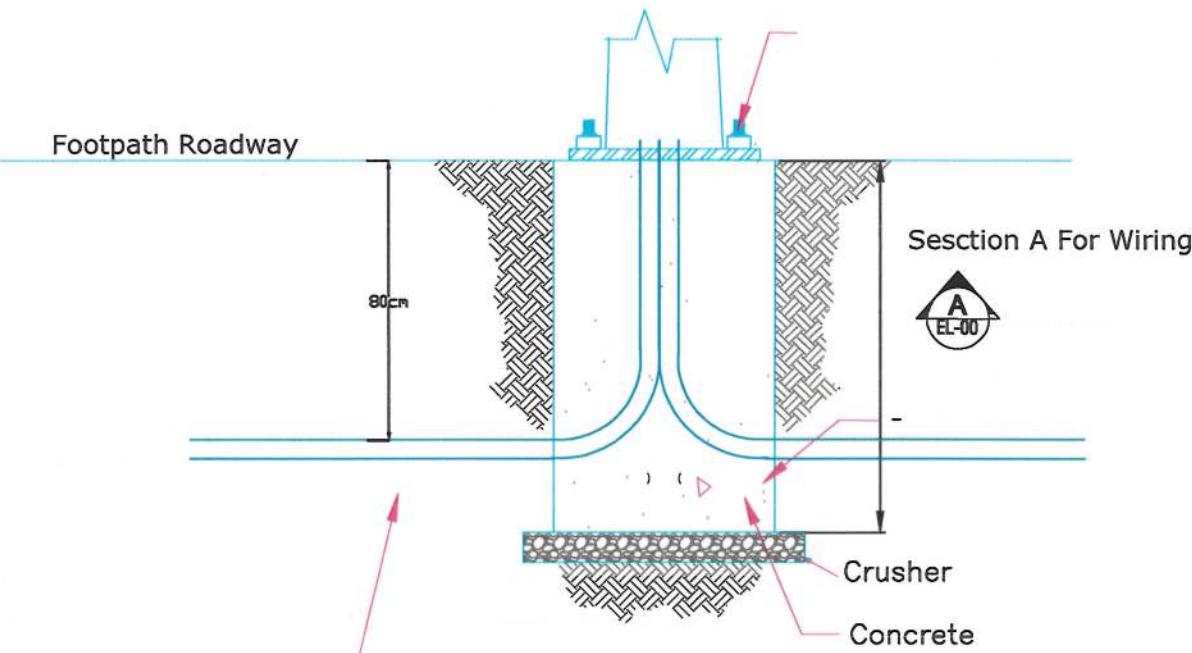
Date:
9/18/2023

Status:
FINEL DESIGN

Project Code

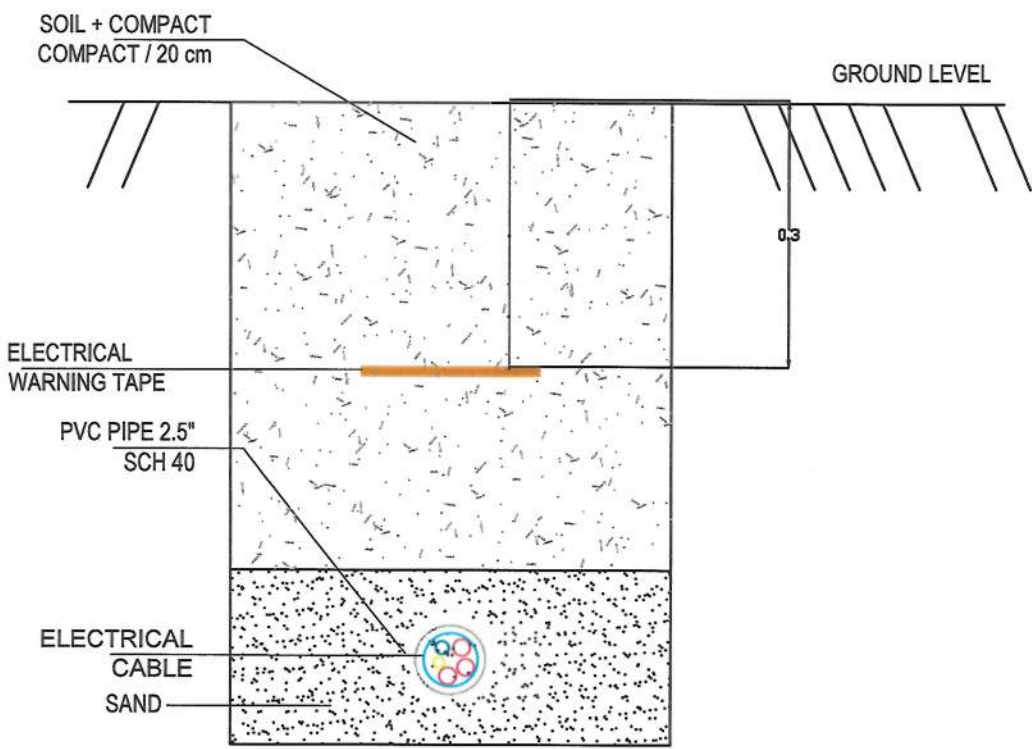
SHEET	PAGE NO	REVISION
S-L-D-04		01

NOTE:



ANCHORING POLE BASE
OF ELECTRIC POLE

conductors
conductor with 2.5" pvc pipe
Corrugated Hard polyethylene



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:
Street Lighting Details

Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M.H Essa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/22/2023

Status: FINEL
DESIGN

Project Code

SHEET S-L-D-05	PAGE NO	REVISION 01
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Date	Revision Details	Drawn	Chkd.	Appr.

Designed By:

Project Name:

Drawing Title:

Drawn:

Designed: Jamalulha

Checked: MLF

Checked
Hartshorn Steel

Approved by:

Date: 9/18/2023

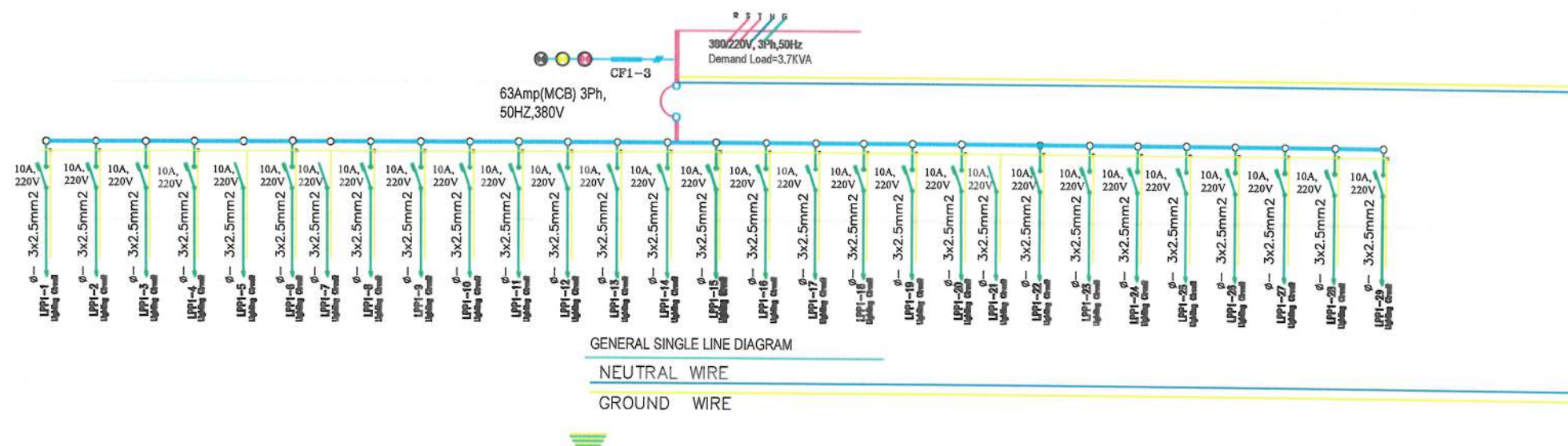
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DESIGN**

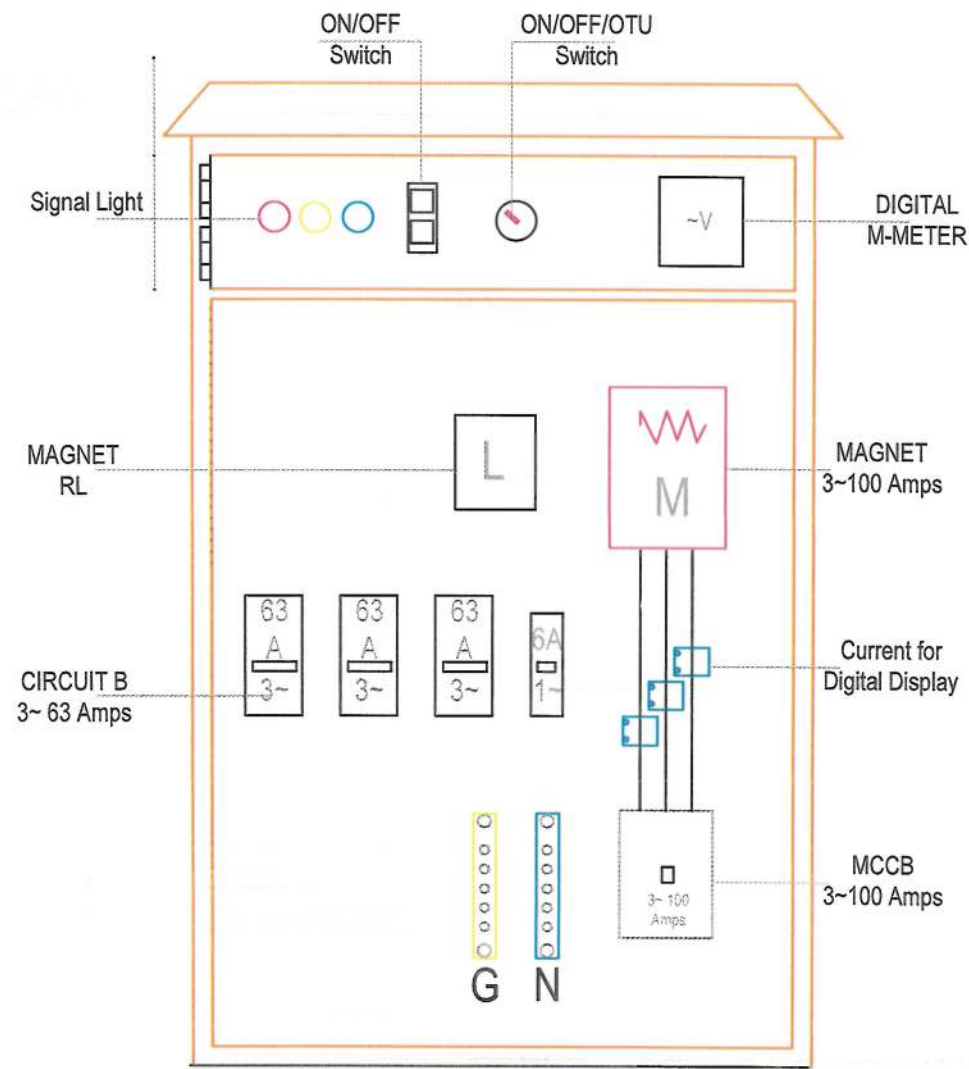
Project Code

SHEET
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PAGE NO

REVISION
01

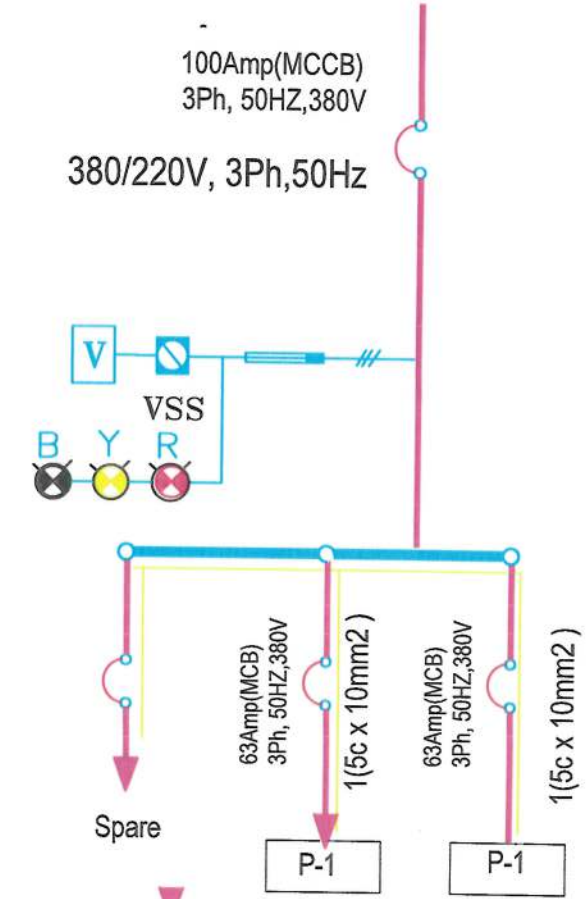




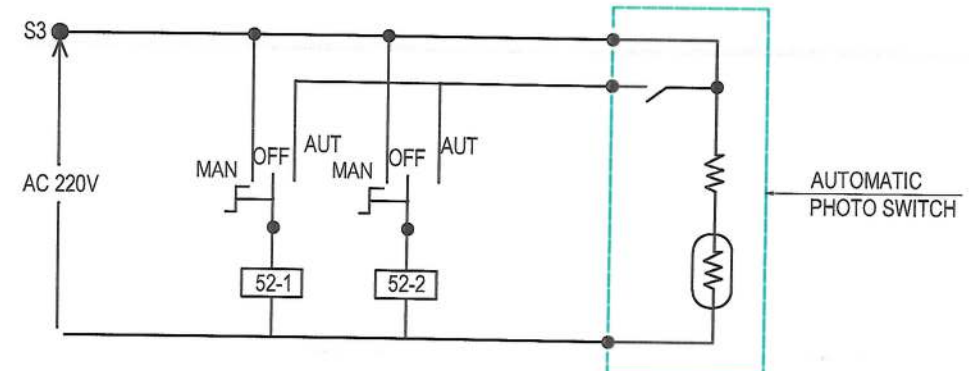
COLORS COD

IEC WIRE COLORS (60227)				
GROUND	NEUTRAL	PHASE A	PHASE B	PHASE C
YEL/GRN	BLUE	BROWN	BLACK	GRAY

POWER CALCULATION SCHEDULE PLAN



GENERAL SINGLE LINE DIAGRAM (MDB)



AUTOMATIC PHOTO SWITCH

NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Orfani to Omid-e-Salz town connecting Road Project

Drawing Title: Street Lighting Wiring

Drawn: Jamalulha Nazari Signature: [Signature]

Checked: M.H. Essa sirat Signature: [Signature]

Checked: Hasebullah Shalizi Signature: [Signature]

Date: 9/18/2023

Status: FINEL DESIGN

Project Code:

SHEET S-L-W-04 PAGE NO REVISION 01

PDF Compressor Free Version

MDP

Photo cell

Photocell
Light

ventilation

POWER DISTRIBUTION BOARD
FRONT VIEW
For Road

O = 60mm Thickness 3mm

O = 60mm Thickness 3mm

Angle = (40 X 40 X3)MM

1500mm

GROUNDING
ELECTRODE

Satisfactory material

Concrete Grade

NOTE:



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Wiring

Drawn:
Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:
M.H. Essa sirat

Signature:

Checked:
Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 9/25/2023

Status: FINEL
DESIGN

Project Code

SHEET
S-L-W-03

PAGE NO

REVISION
01

Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a Copper conductor will limit the voltage drop to 0.44% or less when supplying 1.01 amps for 1640.42 feet on a 220 volt system.

For Engineering Information Only:

7.5 Amps Rated ampacity of selected conductor in selected length.

1.9 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

1.7. Actual voltage drop loss at 0.44% for the circuit

0.9 Power Factor



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Street Lighting Wiring

Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked: M H Essa sirat	Signature:
Checked: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 9/18/2023

Status: FINEL
DESIGN

Project Code

SHEET S-L-W-04	PAGE NO	REVISION 01
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Table Volume Report (Main Alignment)

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
0+000.00	5.08	24.18	0.00	0.00	0.00	0.00
0+020.00	11.30	17.84	163.82	418.18	163.82	418.18
0+040.00	9.04	19.84	203.46	375.71	367.08	793.88
0+060.00	4.87	28.87	137.12	489.07	504.20	1282.85
0+080.00	52.73	0.00	874.00	288.72	1078.20	1572.88
0+100.00	24.83	1.52	775.82	15.18	1853.82	1587.84
0+120.00	3.68	24.91	285.12	264.24	2138.94	1852.08
0+140.00	5.35	53.82	60.31	785.24	2199.25	2637.32
0+160.00	3.17	56.48	86.18	1100.87	2285.40	3737.98
0+180.00	3.79	35.68	88.58	931.11	2373.98	4669.09
0+200.00	22.75	35.40	395.42	710.80	2769.41	5389.89
0+220.00	46.17	2.48	809.25	378.80	3578.66	5768.29
0+240.00	18.88	4.13	628.39	85.90	3907.05	5854.19
0+260.00	0.00	48.58	186.84	838.83	4073.89	6341.02
0+280.00	0.00	73.20	0.00	1217.60	4073.89	7558.62
0+300.00	0.00	50.43	0.00	1238.38	4073.89	8796.98
0+320.00	0.84	23.18	8.37	738.18	4082.26	9535.14
0+340.00	3.14	23.57	40.79	467.55	4123.05	9992.69
0+360.00	3.10	33.00	82.40	888.78	4185.25	10881.45
0+380.00	3.05	21.08	81.45	540.85	4266.70	11105.10

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
1+000.00	0.76	18.83	30.21	285.74	7805.01	27317.49
1+020.00	2.83	24.71	36.12	438.32	7841.13	27755.81
1+040.00	1.71	32.35	46.43	570.57	8036.57	28326.38
1+060.00	2.00	25.83	37.81	578.81	8074.18	28905.19
1+080.00	4.01	17.88	80.80	432.88	8154.78	29337.06
1+100.00	3.45	22.71	74.87	503.69	8229.65	29840.75
1+120.00	4.91	19.84	83.82	525.52	8313.47	30366.27
1+140.00	3.82	30.83	87.35	403.84	8399.82	30770.11
1+160.00	2.45	21.48	62.70	420.10	8462.52	31190.01
1+180.00	1.78	21.08	42.32	428.47	8504.84	31618.48
1+200.00	0.01	48.58	17.88	676.20	8522.72	32294.68
1+220.00	3.81	18.07	35.23	658.36	8558.03	32953.04
1+240.00	10.45	1.86	138.85	208.48	8696.88	33161.52
1+260.00	28.53	0.00	388.88	18.78	9085.06	33180.30
1+280.00	38.43	0.00	688.88	6.02	9773.93	33186.32
1+300.00	44.27	0.00	847.00	8.02	10620.93	33194.34
1+320.00	56.40	0.00	1028.00	0.00	11648.93	33194.34
1+340.00	16.18	1.34	725.83	13.38	12374.76	33207.72
1+360.00	2.86	13.71	191.78	180.47	12566.54	33388.19
1+380.00	0.00	54.88	28.82	688.04	12595.36	34076.23

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
2+000.00	78.88	0.00	1814.27	0.00	31719.21	34076.23
2+020.00	47.10	1.83	1287.88	18.32	32997.08	34094.55
2+040.00	8.38	6.08	864.82	78.88	33861.90	34173.43
2+060.00	0.03	81.88	84.14	879.39	33946.02	35052.82
2+080.00	0.30	132.08	3.34	2136.42	33949.36	37189.24
2+100.00	0.00	122.78	3.01	2548.40	33952.37	39737.64
2+120.00	0.58	98.58	8.84	1823.24	33961.21	41560.88
2+140.00	7.18	7.48	77.53	770.29	33968.95	42331.17
2+160.00	32.18	1.05	383.37	85.38	34352.32	42416.55
2+180.00	18.81	8.58	517.85	78.38	34870.17	42494.93
2+200.00	20.29	3.88	308.92	105.80	35179.09	42599.73
2+220.00	21.00	8.82	412.87	125.98	35591.96	42725.71
2+240.00	41.11	8.88	881.07	178.10	36473.03	42903.81
2+260.00	55.12	18.81	982.23	258.03	37455.26	43161.84
2+280.00	22.38	4.04	775.10	208.53	38230.36	43370.37
2+300.00	16.88	2.88	383.40	88.35	38613.76	43458.72
2+320.00	23.73	2.40	408.72	48.87	39022.48	43507.59
2+340.00	8.58	0.87	333.15	32.75	39355.63	43540.34
2+360.00	4.38	0.58	138.81	14.98	39494.44	43555.32
2+380.00	4.15	5.35	85.45	58.34	39579.89	43613.66

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
3+000.00	0.00	36.28	0.00	738.33	43773.31	43773.31
3+020.00	0.00	33.84	0.00	702.33	43773.31	44475.64
3+040.00	0.00	32.89	0.00	668.29	43773.31	45143.93
3+060.00	0.01	31.18	0.08	641.89	43773.39	45785.82
3+080.00	0.04	30.83	0.48	617.05	43773.80	46402.87
3+100.00	0.81	24.29	8.90	548.21	43782.70	46951.08
3+120.00	2.38	18.03	29.72	423.27	43812.42	47374.35
3+140.00	3.81	14.73	61.74	327.87	43874.16	47702.22
3+160.00	14.83	8.52	187.40	202.58	44061.56	47904.80
3+180.00	0.31	25.14	152.40	318.80	44213.96	48223.60
3+200.00	0.00	48.09	3.13	722.38	44217.09	48945.98
3+220.00	0.00	45.80	0.00	618.87	44217.09	49564.85
3+240.00	0.00	48.38	0.00	611.42	44217.09	50176.27
3+260.00	0.00	41.24	0.00	248.40	44217.09	50424.67
3+280.00	0.07	38.22	0.54	584.78	44217.63	50999.45

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
0+400.00	1.88	28.88	47.08	810.20	4284.78	11815.30
0+420.00	1.33	28.08	28.82	580.48	4313.60	12395.78
0+440.00	2.45	28.15	37.87	572.34	4351.45	12968.11
0+460.00	0.00	35.78	24.54	848.03	4351.45	13816.14
0+480.00	0.79	35.82	7.80	711.30	4359.25	14527.44
0+500.00	0.00	44.70	7.80	800.63	4359.25	15328.07
0+520.00	0.00	41.85	0.00	880.45	4359.25	16208.52
0+540.00	0.05	38.88	0.81	708.83	4360.06	17097.35
0+560.00	1.04	28.88	16.48	563.17	4361.10	17660.52
0+580.00	0.15	23.97	11.45	508.88	4362.25	18169.37
0+600.00	0.48	11.74	8.08	353.74	4362.73	18523.10
0+620.00	10.85	1.44	114.31	130.48	4477.04	18653.58
0+640.00	13.54	10.78	246.82	118.78	4723.86	18772.31
0+660.00	7.43	18.78	211.88	288.85	4935.74	18961.16
0+680.00	3.27	18.84	107.24	388.05	5043.02	19350.21
0+700.00	6.07	18.28	83.44	373.57	5126.46	19723.78
0+720.00	1.80	21.84	87.02	403.48	5213.48	20127.26
0+740.00	2.34	18.83	38.27	387.04	5252.22	20514.30
0+760.00	1.82	28.27	37.75	442.58	5290.00	20956.88
0+780.00	2.32	23.78	37.21	465.23	5327.21	21422.11

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
1+000.00	0.03	48.43	0.34	1013.38	12596.33	35091.37
1+020.00	0.21	29.78	2.45	782.24	12598.78	35873.61
1+040.00	0.80	33.14	7.85	828.39	12606.58	36702.00
1+060.00	2.05	28.84	25.41	828.78	12632.04	37530.78
1+080.00	0.00	38.85	20.48	888.82	12632.04	38419.60
1+100.00	0.01	40.87	0.11	708.24	12632.15	39127.84
1+120.00	3.27	33.83	32.78	748.05	12664.93	39875.89
1+140.00	10.77	23.45	140.38	573.82	12805.31	40449.71
1+160.00	83.21	0.00	938.81	234.50	13744.12	40684.21
1+180.00	102.23	0.00	1854.37	0.00	15598.49	40684.21
1+200.00	74.38	0.00	1785.82	0.00	17384.31	40684.21
1+220.00	21.88	8.87	888.41	88.71	18272.72	40773.00
1+240.00	0.81	38.81	238.88	401.77	18511.53	40813.77
1+260.00	0.04	45.47	5.81	818.78	18511.53	41632.55
1+280.00	0.00	57.48	0.40	1058.57	18511.53	42691.12
1+300.00	0.00	78.73	0.00	1382.15	18511.53	44073.27
1+320.00	0.00	74.87	0.00	1538.61	18511.53	45611.88
1+340.00	0.00	88.34	0.00	1442.13	18511.53	47054.01
1+360.00	0.00	72.18	0.00	1414.85	18511.53	48468.86
1+380.00	0.00	78.58	0.00	1448.15	18511.53	49917.01

Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
2+000.00	8.20	3.86	103.88	92.10	38276.77	49909.19
2+020.00	7.43	4.72	138.38	85.78	39415.13	50094.97
2+040.00	8.85	8.31	140.88	130.31	39556.01	50225.28
2+060.00	3.18	8.84	88.48	171.54	39644.49	50396.82
2+080.00	3.78	4.88	88.78	134.99	39733.27	50531.81
2+100.00	8.85	4.72	144.30	83.74	39877.57	50615.55
2+120.00	24.45	0.48	331.00	81.80	40208.57	50697.35
2+140.00	5.88	8.21	273.13	88.74	40481.70	50786.09
2+160.00	0.80	7.29	34.81	154.97	40516.51	50941.06
2+180.00	2.84	5.02	34.45	123.05	40550.96	51064.11
2+200.00	3.01	8.75	88.81	137.88	40639.77	51201.99
2+220.00	1.18	21.58	41.81	303.08	40681.58	51505.07
2+240.00	0.00	38.88	11.84	574.17	40681.58	52079.24
2+260.00	0.00	34.38	0.00	702.38	40681.58	52781.62
2+280.00	0.00	31.08	0.00	854.87	40681.58	53636.49
2+300.00	0.18	38.45	1.85	875.48	40681.76	54511.97
2+320.00	0.02	30.47	1.88	888.34	40681.78	55400.31
2+340.00	0.82	23.88	5.38	541.70	40682.60	55942.01
2+360.00	23.37	5.11	238.87	288.07	40921.47	56230.08
2+380.00	58.82	0.83	828.88	58.41	41750.35	56288.49

ision

Total Volume Table						
Station	FB Area	Cut Area	FB Volume	Cut Volume	Cumulative FB Vol	Cumulative Cut Vol
0+800.00	4.01	21.24	83.32	448.88	8438.83	21382.81
0+820.00	3.70	18.73	77.10	408.85	8515.93	21791.66
0+840.00	0.94	22.37	48.44	420.95	8564.37	22212.60
0+860.00	0.11	22.88	10.47	482.44	8574.84	22695.04
0+880.00	1.77	17.10	18.71	400.31	8601.30	23075.87
0+900.00	4.34	18.08	81.01	322.40	8682.30	23368.37
0+920.00	18.24	2.83	225.80	180.18	8676.10	23578.53
0+940.00	20.08	0.62	363.31	35.49	8281.42	23814.02
0+960.00	6.80	6.80	266.88	74.18	8530.27	23886.21
0+980.00	5.51	13.68	123.69	204.60	8653.36	23992.80
+0000.00	5.97	6.81	114.82	192.72	8768.18	24055.82
+0020.00	16.63	0.42	258.05	80.28	7024.23	24145.80
+0040.00	14.71	22.84	338.04	233.51	7282.27	24378.31
+0060.00	1.85	36.77	37.21	638.09	7316.48	25004.40
+0080.00	1.19	37.73	27.42	775.07	7348.90	25776.47
+0100.00	0.88	25.34	17.78	630.74	7384.86	26410.31
+0120.00	3.18	9.38	37.47	348.20	7402.13	26786.41
+0140.00	8.33	11.49	114.90	124.58	7517.03	26880.89
+0160.00	14.60	1.12	239.30	43.04	7746.33	26924.03
+0180.00	2.74	8.65	173.47	107.73	7818.80	27031.28

Point Table		
Point #	Northing	Easting
1	12515558.12	1660996.90
2	12515561.25	1660966.91
3	12515568.33	1660931.18
4	12515571.46	1660901.10
5	12515541.71	1660997.32
6	12515539.08	1660966.08
7	12515532.76	1660931.27
8	12515530.13	1660900.12
9	12515573.34	1660733.47
10	12515572.15	1660730.90
11	12515532.29	1660707.26
12	12515537.44	1660704.60
13	12515574.11	1660663.93
14	12515568.95	1660666.58
15	12515533.03	1660641.40
16	12515534.62	1660644.25
17	12515655.65	1659373.87
18	12515660.18	1659342.61
19	12515668.29	1659290.19
20	12515661.63	1659327.24

Point Table		
Point #	Northing	Easting
21	12515749.90	1659063.79
22	12515721.91	1659050.81
23	12515775.65	1659019.57
24	12515781.02	1659018.66
25	12515744.52	1658999.04
26	12515746.86	1659003.61
27	12515765.34	1658954.24
28	12515770.78	1658953.50
29	12515798.88	1658970.81
30	12515801.04	1658975.40
31	12515826.07	1658924.46
32	12515798.38	1658910.85
33	12515910.88	1658691.95
34	12515922.38	1658663.17
35	12515927.43	1658644.69
36	12515939.87	1658612.60
37	12516810.99	1657237.68
38	12516822.61	1657213.37
39	12516836.98	1657175.58
40	12516847.65	1657152.92

Point Table		
Point #	Northing	Easting
41	12516969.21	1656931.47
42	12516942.07	1656916.82
43	12517002.64	1656891.62
44	12516999.87	1656891.81
45	12516969.09	1656871.03
46	12516968.05	1656868.66
47	12517027.86	1656844.86
48	12517026.82	1656842.49
49	12516996.05	1656821.71
50	12516993.28	1656821.90
51	12517053.19	1656797.91
52	12517026.70	1656782.05
53	12517146.38	1656560.23
54	12517156.87	1656536.44
55	12517170.18	1656498.33
56	12517180.68	1656474.54
57	12517320.71	1656146.90
58	12517317.64	1656146.29
59	12517305.89	1656108.88
60	12517308.06	1656106.62

Point Table		
Point #	Northing	Easting
61	12517333.58	1656119.50
62	12517334.28	1656121.74
63	12517335.84	1656063.63
64	12517335.33	1656066.72
65	12517356.41	1656077.37
66	12517358.59	1656076.68
67	12517369.76	1656055.77
68	12517367.68	1656053.54
69	12517727.46	1655548.08
70	12517736.61	1655528.00
71	12517750.45	1655491.22
72	12517765.00	1655461.87
73	12517943.81	1655239.56
74	12517922.24	1655217.59
75	12518037.42	1655169.95
76	12518018.15	1655146.03
77	12518124.93	1655081.94
78	12518130.35	1655102.23
79	12518113.49	1655076.43
80	12518135.85	1655098.64

NOTE:



Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client:		
KABUL MUNICIPALITY		
Designed by:		
KABUL MUNICIPALITY DESIGN TEAM		
Project Name:		
Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title:		
Point table		
Designed by:	Signature:	
Mohammad Essa Sizat		
Drawn by:	Signature:	
Mohammad Essa Sizat		
Checked by:	Signature:	
Hasibullah Shalizi		
Date:	Scale:	
9/27/2023		
Status:		
FINAL DESIGN		
Project Code		
Drawing Number	Revision	
PT-01	00	

Point Table		
Point #	Northing	Easting
81	12518118.98	1655072.84
82	12518252.90	1654996.72
83	12518270.04	1654986.45
84	12518303.02	1654963.91
85	12518329.66	1654949.13
86	12519416.34	1654783.37
87	12519409.83	1654784.14
88	12519408.48	1654772.79
89	12519411.49	1654742.32
90	12519404.98	1654743.09
91	12520960.80	1654600.91
92	12520986.30	1654595.82
93	12521025.14	1654584.81
94	12521050.64	1654579.72
95	12521297.90	1654534.27
96	12521294.65	1654503.60
97	12521333.10	1654554.56
98	12521335.21	1654556.67
99	12521332.41	1654517.43
100	12521334.74	1654515.10

Point Table		
Point #	Northing	Easting
101	12521389.77	1654508.60
102	12521391.52	1654510.76
103	12521392.21	1654547.89
104	12521390.87	1654550.10
105	12521445.21	1654543.68
106	12521441.59	1654513.05
107	12521673.98	1654485.60
108	12521699.48	1654480.51
109	12521738.32	1654469.50
110	12521763.82	1654464.41
111	12523108.38	1654368.67
112	12523138.78	1654363.99
113	12523173.37	1654354.17
114	12523203.68	1654349.00
115	12523202.49	1654333.13
116	12523171.79	1654332.55
117	12523141.20	1654329.58
118	12523107.67	1654327.78
119	12523604.39	1654319.33
120	12523603.16	1654302.98

Point Table		
Point #	Northing	Easting
121	12523629.99	1654401.89
122	12523632.81	1654400.45
123	12523626.23	1654368.48
124	12523623.91	1654367.22
125	12523591.17	1654372.74
126	12523591.77	1654369.64
127	12523601.68	1654258.34
128	12523603.17	1654256.37
129	12523592.06	1654202.43
130	12523588.92	1654202.18
131	12523541.59	1654259.76
132	12523542.58	1654262.79
133	12523668.09	1654363.85
134	12523644.59	1654249.62
10108	12517293.08	1656196.05
10109	12517257.30	1656082.09
10110	12517288.52	1656042.61
10111	12517395.14	1656007.51
10112	12523525.54	1654374.62
10113	12523646.63	1654465.98

Point Table		
Point #	Northing	Easting
10114	12523487.65	1654262.32
10115	12523579.63	1654140.40

NOTE:



Date	Revision Details	Drawn
ISLAMIC EMIRATE OF AFGHANISTAN		
Client: KABUL MUNICIPALITY		
Designed by: KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Orfani to Omid-e-Sabz town connecting Road Project		
Drawing Title: Point table		
Designed by: Mohammad Essa Sirat	Signature:	
Drawn by: Mohammad Essa Sirat	Signature:	
Checked by: Hasibullah Shalizi	Signature:	
Date: 9/27/2023	Scale:	
Status: FINAL DESIGN		
Project Code		
Drawing Number PT-02	Revision 00	

Point Table			
Description	Elevation	Northing	Easting
BM74	1976.14	3814321.17	504480.25
BM73	1964.85	3814456.77	504534.82
BM71	1958.88	3814593.69	504523.38
BM58	1906.06	3814736.91	506364.87
BM50	1921.52	3814683.58	505837.01
BM46	1924.02	3814877.62	505567.87
BM45	1924.18	3814966.49	505404.29
BM44	1924.24	3815023.69	505296.61
BM43	1923.68	3815135.92	505147.12
BM62	1927.92	3815210.67	504756.34
BM40	1924.89	3815299.00	504802.23
BM34	1928.17	3815619.14	504415.70
BM32	1930.38	3815624.81	504382.74
BM29	1916.77	3815780.83	504381.99
BM27	1905.89	3815998.03	504362.72
BM23	1906.16	3816275.11	504266.51
BM22A	1904.90	3816260.62	504300.30
BM21A	1902.85	3816267.71	504368.60
BM21A	1902.84	3816267.71	504368.41
BM20A	1905.59	3816474.59	504303.24

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Point Table			
Description	Elevation	Northing	Easting
BM16A	1902.90	3816711.98	504175.75
BM11	1899.76	3817110.32	504267.77
BM9A	1900.54	3817103.34	504220.59
BM8A	1901.54	3817088.44	504176.89
BM35	1922.50	3815528.50	504483.99
BM7A	1901.97	3817110.91	504165.31
BM75	1994.68	3814102.49	504484.53
BM6A	1901.30	3817184.82	504201.45
BM1	1901.03	3817210.53	504228.33
BM15A	1902.19	3816800.31	504206.75
BM52	1915.55	3814736.27	505930.40
BM51	1916.08	3814751.30	505912.86
BM48	1921.02	3814743.34	505759.51
BM47	1922.72	3814809.59	505695.06
BM5A	1900.96	3817252.76	504223.75
BM39	1924.97	3815331.64	504704.25
BM38	1924.33	3815425.54	504602.26
BM37	1923.26	3815484.60	504481.47
BM69	1946.05	3814800.01	504569.66
BM68	1943.16	3814905.34	504624.26

Point Table			
Description	Elevation	Northing	Easting
BM64	1934.24	3815048.98	504751.35
BM63	1931.57	3815099.02	504770.43
BM67	1936.53	3815002.91	504648.70
BM66	1938.10	3814986.10	504685.55
BM65	1936.53	3815000.01	504736.53
BM53	1907.62	3814849.92	506043.99
BM14A	1902.03	3816790.54	504227.18
BM3A	1901.16	3817208.60	504218.97
BM70	1946.29	3814785.40	504548.27
BM57	1905.46	3814736.75	506338.41
BM42	1924.51	3815144.62	505089.97
BM41	1924.07	3815239.41	504929.64
BM31	1930.01	3815651.52	504377.92
BM30	1923.54	3815708.73	504349.95
BM28	1915.79	3815838.28	504383.51
BM18A	1907.47	3816619.12	504164.59
BM26	1908.33	3816136.06	504322.19
BM54	1906.29	3814792.20	506138.84
BM19A	1905.46	3816623.91	504251.11
BM17A	1902.25	3816709.35	504216.26

Point Table			
Description	Elevation	Northing	Easting
BM12A	1901.16	3816996.20	504254.99
BM55	1903.45	3814742.20	506243.97
BM4A	1900.43	3817223.33	504229.78
BM13A	1901.62	3816885.21	504235.30

NOTE:



ISLAMIC EMIRATE OF
AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Orfani to Omid-e-Sabz town
connecting Road Project

Drawing Title:

Point table

Designed by:

Mohammad Essa Sirat

Signature:

Drawn by:

Mohammad Essa Sirat

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Date:

9/27/2023

Scale:

Status:

FINAL DESIGN

Project Code

Drawing Number

PT-03

Revision

00

Main Alignment Stakeout Report

Station	Coordinate.N	Coordinate.E	Station	Coordinate.N	Coordinate.E	Station	Coordinate.N	Coordinate.E	Station	Coordinate.N	Coordinate.E
0+000.00	3,814,732.0001m	506,397.1349m	0+980.00	3,814,906.8609m	505,451.9387m	1+960.00	3,815,393.8405m	504,602.1058m	2+940.00	3,816,292.0124m	504,321.1100m
0+020.00	3,814,732.2240m	506,377.1362m	1+000.00	3,814,916.4467m	505,434.3857m	1+980.00	3,815,403.7502m	504,584.7361m	2+960.00	3,816,311.8743m	504,318.7635m
0+040.00	3,814,732.4480m	506,357.1374m	1+020.00	3,814,926.2511m	505,416.9538m	2+000.00	3,815,414.5588m	504,567.9110m	2+980.00	3,816,331.7361m	504,316.4169m
0+060.00	3,814,732.6719m	506,337.1387m	1+040.00	3,814,936.2726m	505,399.6459m	2+020.00	3,815,426.2375m	504,551.6779m	3+000.00	3,816,351.5980m	504,314.0704m
0+080.00	3,814,732.8959m	506,317.1400m	1+060.00	3,814,946.5097m	505,382.4646m	2+040.00	3,815,438.7540m	504,536.0816m	3+020.00	3,816,371.4599m	504,311.7239m
0+100.00	3,814,733.1198m	506,297.1412m	1+080.00	3,814,956.9607m	505,365.4126m	2+060.00	3,815,452.0736m	504,521.1653m	3+040.00	3,816,391.3217m	504,309.3774m
0+120.00	3,814,733.3437m	506,277.1425m	1+100.00	3,814,967.6241m	505,348.4926m	2+080.00	3,815,466.1596m	504,506.9705m	3+060.00	3,816,411.1836m	504,307.0309m
0+140.00	3,814,733.5677m	506,257.1437m	1+120.00	3,814,978.4894m	505,331.7015m	2+100.00	3,815,480.9727m	504,493.5363m	3+080.00	3,816,431.0455m	504,304.6844m
0+160.00	3,814,733.7916m	506,237.1450m	1+140.00	3,814,989.4075m	505,314.9445m	2+120.00	3,815,496.4721m	504,480.8999m	3+100.00	3,816,450.9074m	504,302.3379m
0+180.00	3,814,734.0156m	506,217.1462m	1+160.00	3,815,000.3256m	505,298.1876m	2+140.00	3,815,512.6148m	504,469.0965m	3+120.00	3,816,470.7692m	504,299.9914m
0+200.00	3,814,734.2395m	506,197.1475m	1+180.00	3,815,011.2437m	505,281.4307m	2+160.00	3,815,529.3561m	504,458.1586m	3+140.00	3,816,490.6311m	504,297.6449m
0+220.00	3,814,734.4635m	506,177.1487m	1+200.00	3,815,022.1618m	505,264.6737m	2+180.00	3,815,546.6496m	504,448.1166m	3+160.00	3,816,510.4930m	504,295.2984m
0+240.00	3,814,734.6874m	506,157.1500m	1+220.00	3,815,033.0799m	505,247.9168m	2+200.00	3,815,564.4281m	504,438.9588m	3+180.00	3,816,530.3548m	504,292.9518m
0+260.00	3,814,734.9114m	506,137.1512m	1+240.00	3,815,043.9980m	505,231.1599m	2+220.00	3,815,582.5185m	504,430.4328m	3+200.00	3,816,550.2167m	504,290.6053m
0+280.00	3,814,735.1353m	506,117.1525m	1+260.00	3,815,054.9056m	505,214.3961m	2+240.00	3,815,600.9069m	504,422.5701m	3+220.00	3,816,570.0786m	504,288.2588m
0+300.00	3,814,735.3592m	506,097.1537m	1+280.00	3,815,065.6993m	505,197.5588m	2+260.00	3,815,619.5690m	504,415.3811m	3+240.00	3,816,589.9404m	504,285.9123m
0+320.00	3,814,735.5832m	506,077.1550m	1+300.00	3,815,076.3524m	505,180.6322m	2+280.00	3,815,638.4801m	504,408.8754m	3+260.00	3,816,609.8023m	504,283.5658m
0+340.00	3,814,735.8071m	506,057.1563m	1+320.00	3,815,086.8640m	505,163.6174m	2+300.00	3,815,657.6153m	504,403.0614m	3+280.00	3,816,629.6642m	504,281.2193m
0+360.00	3,814,736.0311m	506,037.1575m	1+340.00	3,815,097.2335m	505,146.5156m	2+320.00	3,815,676.9492m	504,397.9470m	3+300.00	3,816,649.5261m	504,278.8728m
0+380.00	3,814,736.2550m	506,017.1588m	1+360.00	3,815,107.4601m	505,129.3280m	2+340.00	3,815,696.4562m	504,393.5389m	3+320.00	3,816,669.3879m	504,276.5263m
0+400.00	3,814,736.4790m	505,997.1600m	1+380.00	3,815,117.5431m	505,112.0557m	2+360.00	3,815,716.1106m	504,389.8428m	3+340.00	3,816,689.2498m	504,274.1798m
0+420.00	3,814,736.7029m	505,977.1613m	1+400.00	3,815,127.4819m	505,094.7001m	2+380.00	3,815,735.8864m	504,386.8638m	3+360.00	3,816,709.1117m	504,271.8332m
0+440.00	3,814,736.9269m	505,957.1625m	1+420.00	3,815,137.2756m	505,077.2622m	2+400.00	3,815,755.7419m	504,384.4658m	3+380.00	3,816,728.9735m	504,269.4867m
0+460.00	3,814,737.1769m	505,937.1641m	1+440.00	3,815,146.9237m	505,059.7433m	2+420.00	3,815,775.6038m	504,382.1193m	3+400.00	3,816,748.8355m	504,267.1411m
0+480.00	3,814,737.8593m	505,917.1765m	1+460.00	3,815,156.4410m	505,042.1530m	2+440.00	3,815,795.4656m	504,379.7727m	3+420.00	3,816,768.7022m	504,264.8358m
0+500.00	3,814,739.1124m	505,897.2164m	1+480.00	3,815,165.9370m	505,024.5511m	2+460.00	3,815,815.3275m	504,377.4262m	3+440.00	3,816,788.5759m	504,262.5915m
0+520.00	3,814,740.9352m	505,877.3004m	1+500.00	3,815,175.4330m	505,006.9492m	2+480.00	3,815,835.1894m	504,375.0797m	3+460.00	3,816,808.4564m	504,260.4084m
0+540.00	3,814,743.3261m	505,857.4445m	1+520.00	3,815,184.9290m	504,989.3473m	2+500.00	3,815,855.0512m	504,372.7332m	3+480.00	3,816,828.3435m	504,258.2866m
0+560.00	3,814,746.2834m	505,837.6650m	1+540.00	3,815,194.4250m	504,971.7454m	2+520.00	3,815,874.9131m	504,370.3867m	3+500.00	3,816,848.2370m	504,256.2259m
0+580.00	3,814,749.8045m	505,817.9781m	1+560.00	3,815,203.9209m	504,954.1435m	2+540.00	3,815,894.7750m	504,368.0402m	3+520.00	3,816,868.1368m	504,254.2264m
0+600.00	3,814,753.8865m	505,798.3998m	1+580.00	3,815,213.4169m	504,936.5416m	2+560.00	3,815,914.6369m	504,365.6937m	3+540.00	3,816,888.0427m	504,252.2882m
0+620.00	3,814,758.5262m	505,778.9461m	1+600.00	3,815,222.9129m	504,918.9398m	2+580.00	3,815,934.4987m	504,363.3472m	3+560.00	3,816,907.9544m	504,250.4112m
0+640.00	3,814,763.7198m	505,759.6329m	1+620.00	3,815,232.4089m	504,901.3379m	2+600.00	3,815,954.3606m	504,361.0007m	3+580.00	3,816,927.8718m	504,248.5955m
0+660.00	3,814,769.4629m	505,740.4759m	1+640.00	3,815,241.9049m	504,883.7360m	2+620.00	3,815,974.2225m	504,358.6541m	3+600.00	3,816,947.7947m	504,246.8411m
0+680.00	3,814,775.7510m	505,721.4909m	1+660.00	3,815,251.4008m	504,866.1341m	2+640.00	3,815,994.0843m	504,356.3076m	3+620.00	3,816,967.7229m	504,245.1480m
0+700.00	3,814,782.5789m	505,702.6932m	1+680.00	3,815,260.8968m	504,848.5322m	2+660.00	3,816,013.9462m	504,353.9611m	3+640.00	3,816,987.6562m	504,243.5162m
0+720.00	3,814,789.9409m	505,684.0982m	1+700.00	3,815,270.3928m	504,830.9303m	2+680.00	3,816,033.8081m	504,351.6146m	3+660.00	3,817,007.5944m	504,241.9458m
0+740.00	3,814,797.8312m	505,665.7212m	1+720.00	3,815,279.8888m	504,813.3285m	2+700.00	3,816,053.6699m	504,349.2681m	3+680.00	3,817,027.5371m	504,240.4325m
0+760.00	3,814,806.2433m	505,647.5770m	1+740.00	3,815,289.3848m	504,795.7266m	2+720.00	3,816,073.5318m	504,346.9216m	3+700.00	3,817,047.4807m	504,238.9316m
0+780.00	3,814,815.1689m	505,629.6799m	1+760.00	3,815,298.8807m	504,778.1247m	2+740.00	3,816,093.3937m	504,344.5751m	3+720.00	3,817,067.4243m	504,237.4307m
0+800.00	3,814,824.3132m	505,611.8928m	1+780.00	3,815,308.3767m	504,760.5228m	2+760.00	3,816,113.2556m	504,342.2286m	3+740.00	3,817,087.3679m	504,235.9298m
0+820.00	3,814,833.4575m	505,594.1057m	1+800.00	3,815,317.8727m	504,742.9209m	2+780.00	3,816,133.1174m	504,339.8821m	3+760.00	3,817,107.3115m	504,234.4289m
0+840.00	3,814,842.6018m	505,576.3185m	1+820.00	3,815,327.3687m	504,725.3190m	2+800.00	3,816,152.9793m	504,337.5355m	3+780.00	3,817,127.2551m	504,232.9279m
0+860.00	3,814,851.7461m	505,558.5314m	1+840.00	3,815,336.8647m	504,707.7171m	2+820.00	3,816,172.8412m	504,335.1890m	3+800.00	3,817,147.1987m	504,231.4270m
0+880.00	3,814,860.8904m	505,540.7443m	1+860.00	3,815,346.3606m	504,690.1153m	2+840.00	3,816,192.7030m	504,332.8425m	3+820.00	3,817,167.1423m	504,229.9261m
0+900.00	3,814,870.0348m	505,522.9572m	1+880.00	3,815,355.8566m	504,672.5134m	2+860.00	3,816,212.5649m	504,330.4960m	3+840.00	3,817,187.0859m	504,228.4252m
0+920.00	3,814,879.1791m	505,505.1701m	1+900.00	3,815,365.3526m	504,654.9115m	2+880.00	3,816,232.4268m	504,328.1495m	3+860.00	3,817,207.0120m	504,226.7177m
0+940.00	3,814,888.3234m	505,487.3830m	1+920.00	3,815,374.8486m	504,637.3096m	2+900.00	3,816,252.2887m	504,325.8030m			
0+960.00	3,814,897.4953m	505,469.6101m	1+940.00	3,815,384.3446m	504,619.7077m	2+920.00	3,816,272.1505m	504,323.4565m			

Sub Alignment Stakeout Report

Station	Coordinate.N	Coordinate.E
0+000.00	3,815,292.2839m	504,781.5947m
0+020.00	3,815,274.4305m	504,772.5806m
0+040.00	3,815,256.5770m	504,763.5665m
0+060.00	3,815,238.7236m	504,754.5524m
0+080.00	3,815,220.8701m	504,745.5383m
0+100.00	3,815,203.0036m	504,736.5503m
0+120.00	3,815,184.8822m	504,728.0909m
0+140.00	3,815,166.4370m	504,720.3630m
0+160.00	3,815,147.6975m	504,713.3788m
0+180.00	3,815,128.6937m	504,707.1497m
0+200.00	3,815,109.4560m	504,701.6854m
0+220.00	3,815,090.0152m	504,696.9949m
0+240.00	3,815,070.4337m	504,692.9259m
0+260.00	3,815,050.8414m	504,688.9083m
0+280.00	3,815,031.2490m	504,684.8907m
0+300.00	3,815,011.6567m	504,680.8731m
0+320.00	3,814,992.0644m	504,676.8555m
0+340.00	3,814,972.4721m	504,672.8379m
0+360.00	3,814,952.8798m	504,668.8203m
0+380.00	3,814,933.2875m	504,664.8028m
0+400.00	3,814,913.6951m	504,660.7852m
0+420.00	3,814,894.1028m	504,656.7676m
0+440.00	3,814,874.5105m	504,652.7500m
0+460.00	3,814,854.9182m	504,648.7324m
0+480.00	3,814,835.3259m	504,644.7148m
0+500.00	3,814,815.7335m	504,640.6972m
0+520.00	3,814,796.1454m	504,636.6593m
0+540.00	3,814,776.5654m	504,632.5822m
0+560.00	3,814,756.9936m	504,628.4660m
0+580.00	3,814,737.4300m	504,624.3106m
0+600.00	3,814,717.8748m	504,620.1161m
0+620.00	3,814,698.3280m	504,615.8825m
0+640.00	3,814,678.7897m	504,611.6098m
0+660.00	3,814,659.2601m	504,607.2981m
0+680.00	3,814,639.7390m	504,602.9473m
0+700.00	3,814,620.2267m	504,598.5575m
0+720.00	3,814,600.7233m	504,594.1286m
0+740.00	3,814,581.2287m	504,589.6608m
0+760.00	3,814,561.7428m	504,585.1552m
0+780.00	3,814,542.2595m	504,580.6386m
0+800.00	3,814,522.7762m	504,576.1220m
0+820.00	3,814,503.2928m	504,571.6053m
0+840.00	3,814,483.8095m	504,567.0887m
0+860.00	3,814,464.3262m	504,562.5721m
0+880.00	3,814,444.8428m	504,558.0555m
0+900.00	3,814,425.3595m	504,553.5389m
0+920.00	3,814,405.8762m	504,549.0223m
0+940.00	3,814,386.3928m	504,544.5057m
0+960.00	3,814,366.9095m	504,539.9891m
0+980.00	3,814,347.4262m	504,535.4725m
1+000.00	3,814,327.9428m	504,530.9559m
1+020.00	3,814,308.4595m	504,526.4393m
1+040.00	3,814,288.9762m	504,521.9227m
1+060.00	3,814,269.4928m	504,517.4061m
1+080.00	3,814,250.0095m	504,512.8895m
1+100.00	3,814,230.5262m	504,508.3729m
1+117.36	3,814,213.6147m	504,504.4525m