



KABUL MUNICIPALITY
Urban Infrastructure Directorate
Design Department



HAZAR-E-BAGHAL ROAD PROJECT FROM 315 TO SHARAK MOONSHI MIRGHULAM (LENGHT=2.635 Km)

امور ساختمان سرک هزاره بغل اعتبار از 315 بطرف شهرک منشی میرغلام لات اول 2.635 Km

Location 11th District

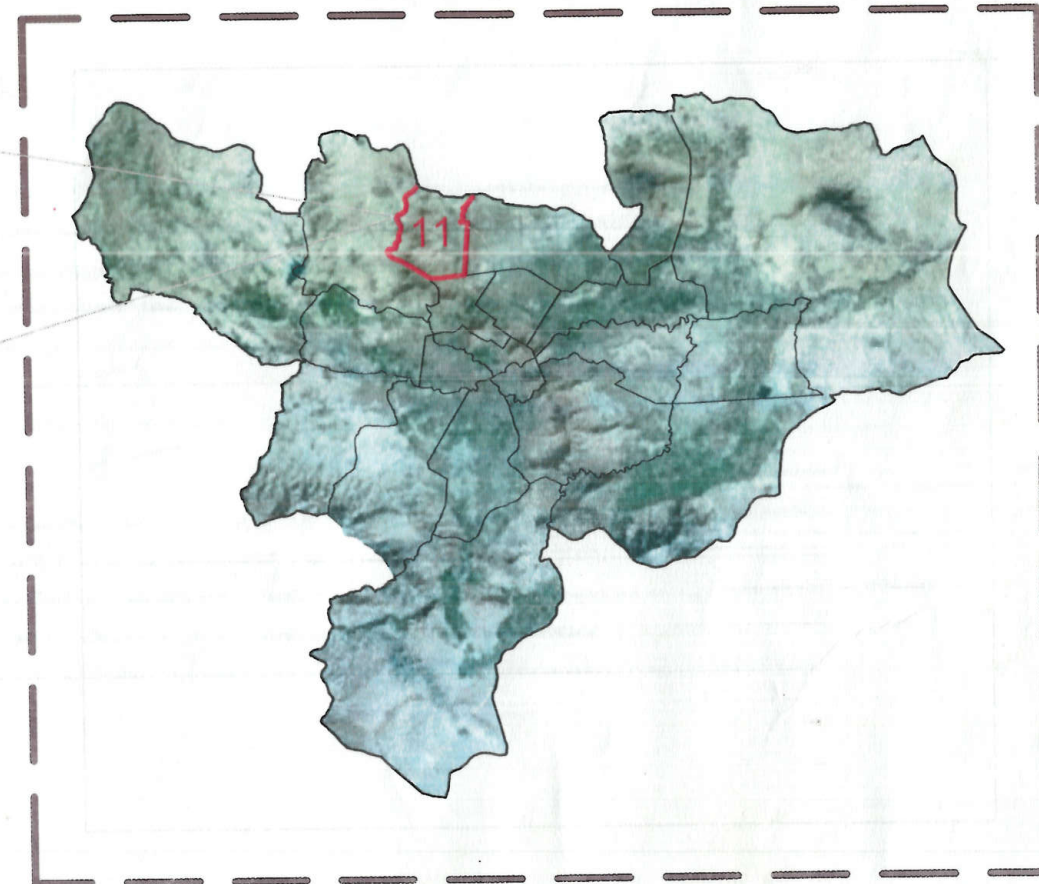
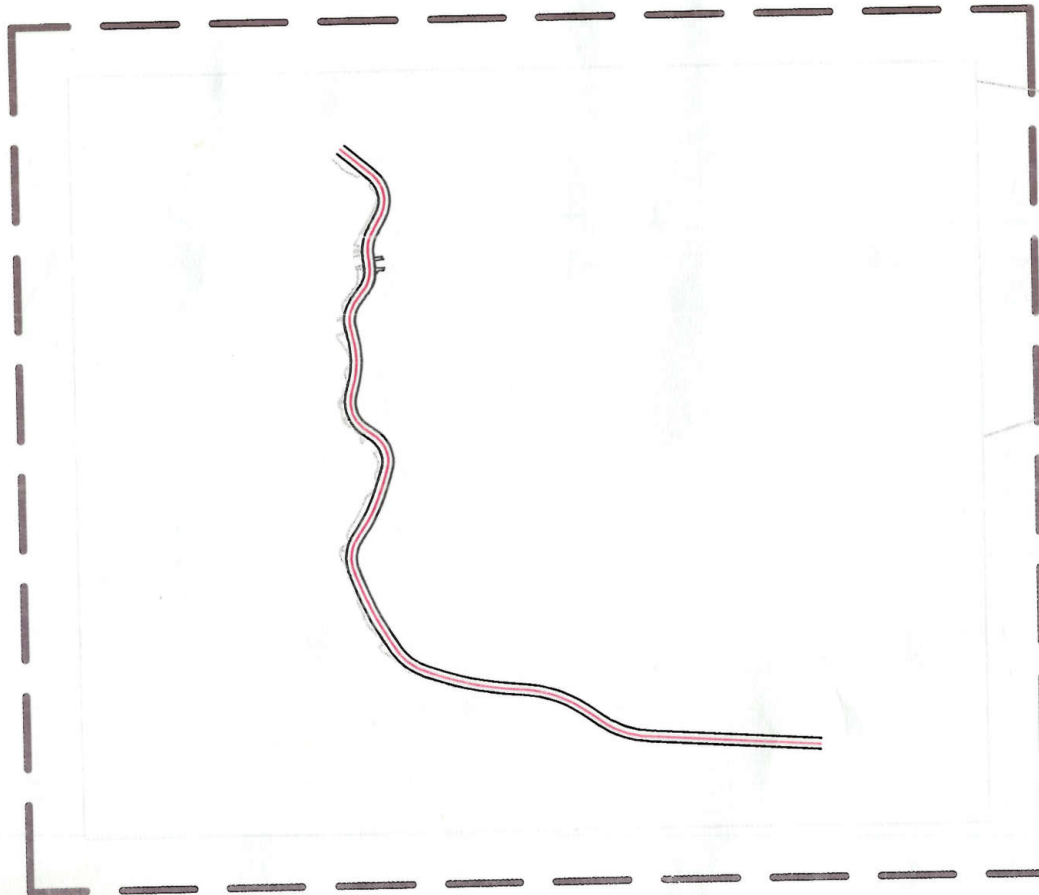
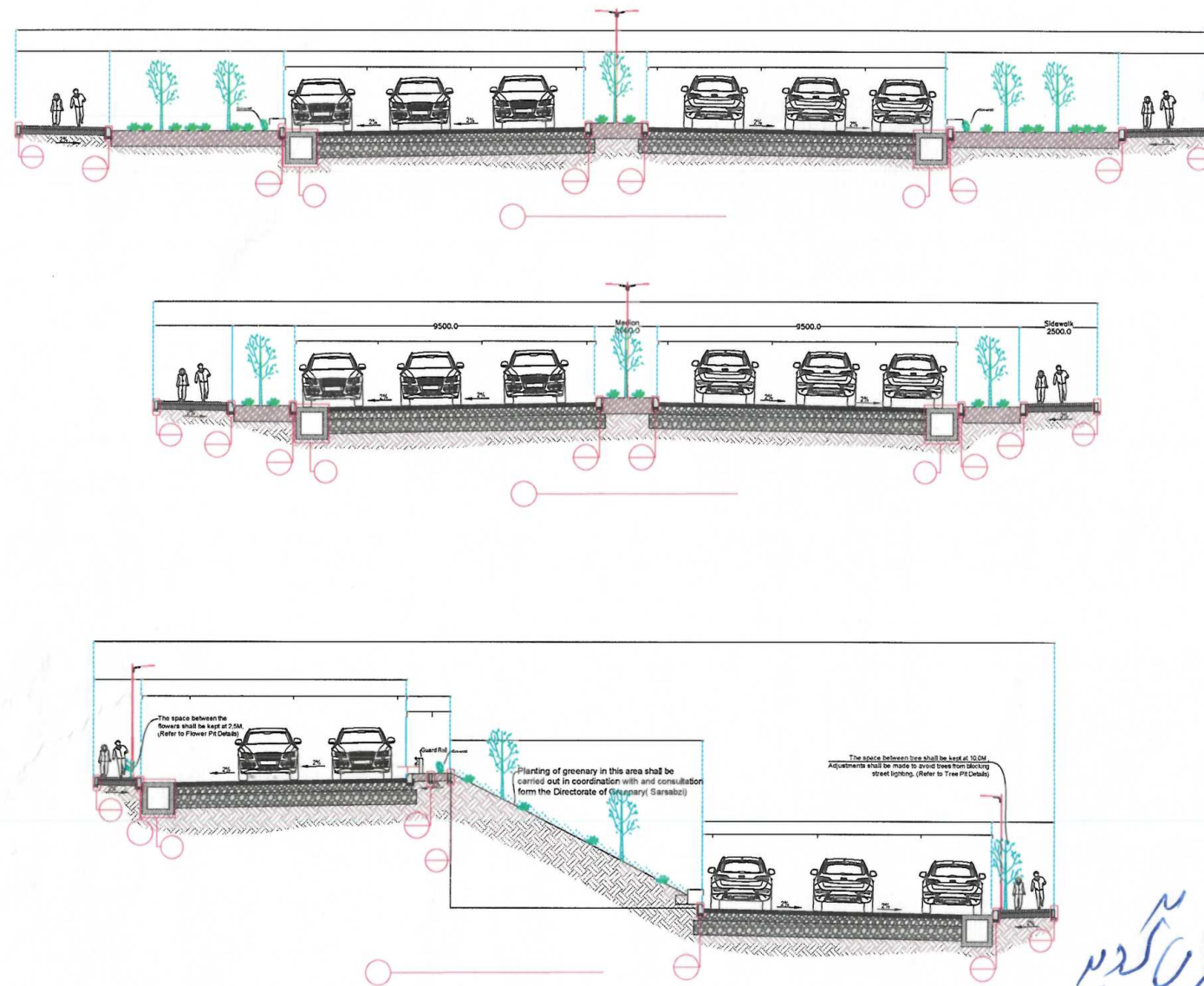


TABLE OF CONTENTS OF HAZAR-E-BAGHAL ROAD PROJECT

NO.	PAGE	DRAWING TITLE	INCLUDING
01	COVER PAGE	COVER PAGE	1 SHEET
02	TABLE OF CONTENT	TABLE OF CONTENT	1 SHEET
03	SIGN SHEET	SIGN SHEET	1 SHEET
04	TOPOGRAPHIC SURVEY	TOPOGRAPHIC SURVEY	8 SHEETS
05	TCS	TYPICAL CROSS SECTIONS AND PAVEMENT DETAILS	7 SHEETS
06	PP & PR	PLAN AND PROFILE	21 SHEETS
07	CS	CROSS SECTION	90 SHEETS
08	STAKEOUT REPORT	STAKEOUT REPORT	3 SHEETS
09	DRAINAGE SECTION	DRAINAGE SECTION	43 SHEETS
10	STREET LIGHTING SECTION	STREET LIGHTING SECTION	25 SHEETS
11	ROAD MARKING AND SIGNAGE SECTION	ROAD MARKING AND SIGNAGE SECTION	9 SHEETS
12	TOTAL		209 SHEETS



PROPOSED TYPICAL CROSS
SECTIONS ALONG THE ROUTE.



تبصره

- 1) اسناد تخنیکي پروژه هذا نظر به پلان پروژه های اکتشافی بودجه داخلی سال ۱۴۰۳ که تحت نام امور ساختمان سرک هزاره بغل اعتبار از ۳۱۵ به طرف شهرک منشی میرغلام لات اول میباشد و با در نظر داشت پلان و مسیر سرک که در یک شیت با پلان مملکتی توسط امریت های سروی و پلانگذاری اینریاست تهیه و تحت نمبر (1379) مورخ (1446/3/4) قید آرشیف اینریاست میباشد ترتیب گردیده است.
- 2) از اینکه امرات جیوتکنیک پروژه متذکره سالیهای قبل صورت گرفته و مطالعات تعین شیمایی کندنکاری و سلب سبیلیتی در آن صورت نگرفته بود بناً آزمایشات مورد نیاز پروژه دوباره ذریعه نمبر (4207/353) مورخ (1445/11/14) اینریاست از قراردادی جیوتکنیک درخواست گردید که مناسفانه شرکت قراردادی از اجرای آن عاجز بوده و رسماً ذریعه نمبر (1403/08) مورخ (1403/3/8) خویش از آزمایشات درخواست شده ابا ورزیدند و اظهار داشتند که اینوع آزمایشات فعلا در سطح کشور قابل اجرا نمیباشد.
- 3) قبیل ذکر میدانیم از اینکه پروژه یاد شده در ساحات نسبتاً گوهستانی موقعیت دارد که در هنگام ساخت و ساز با عیل کندنکاری پیشنهاد شده که قسمتی وسیعی از دامنه کوه کندنکاری می گردد احتمال ریزش مواد و لغزش دامنه کوه منصور میباشد که شرکت قراردادی مکلف است تا تدابیر خویش را جهت جلوگیری از ریزش مواد اتخاذ، و از احتمال لغزش کوه اطمینان حاصل نماید.
- 4) فرش سرک متذکره بر اساس حدس انتخاب گردیده است، از اینکه سرک متذکره در یک ساحه گوهستانی و پرچالش موقعیت داشته در ساحه یاد شده کدام سرک موازی که از لحاظ ترافیکی مشابه با این سرک باشد موجود نبوده و معلومات مفصل ترافیکی ساحه اخذ نگردیده است بناً در صورتیکه پروژه در جریان تطبیق به حالات غیر نارمل و غیر متوالیه روبرو گردد موضوع باید بعد از ملاحظه دقیق با مقامات و مرجع مربوطه آن سرک گردیده تا عندالموقع با در نظر داشت شرایط موجوده اجراء صورت گیرد.

Location: District 11
Right of Way: Varies
Length: 2635m
Pavement Type: Flexible Pavements
Cross Section Elements: DRIVE LANE, RETAINING WALL
SIDE DRAIN, GREENERY, SIDE WALK

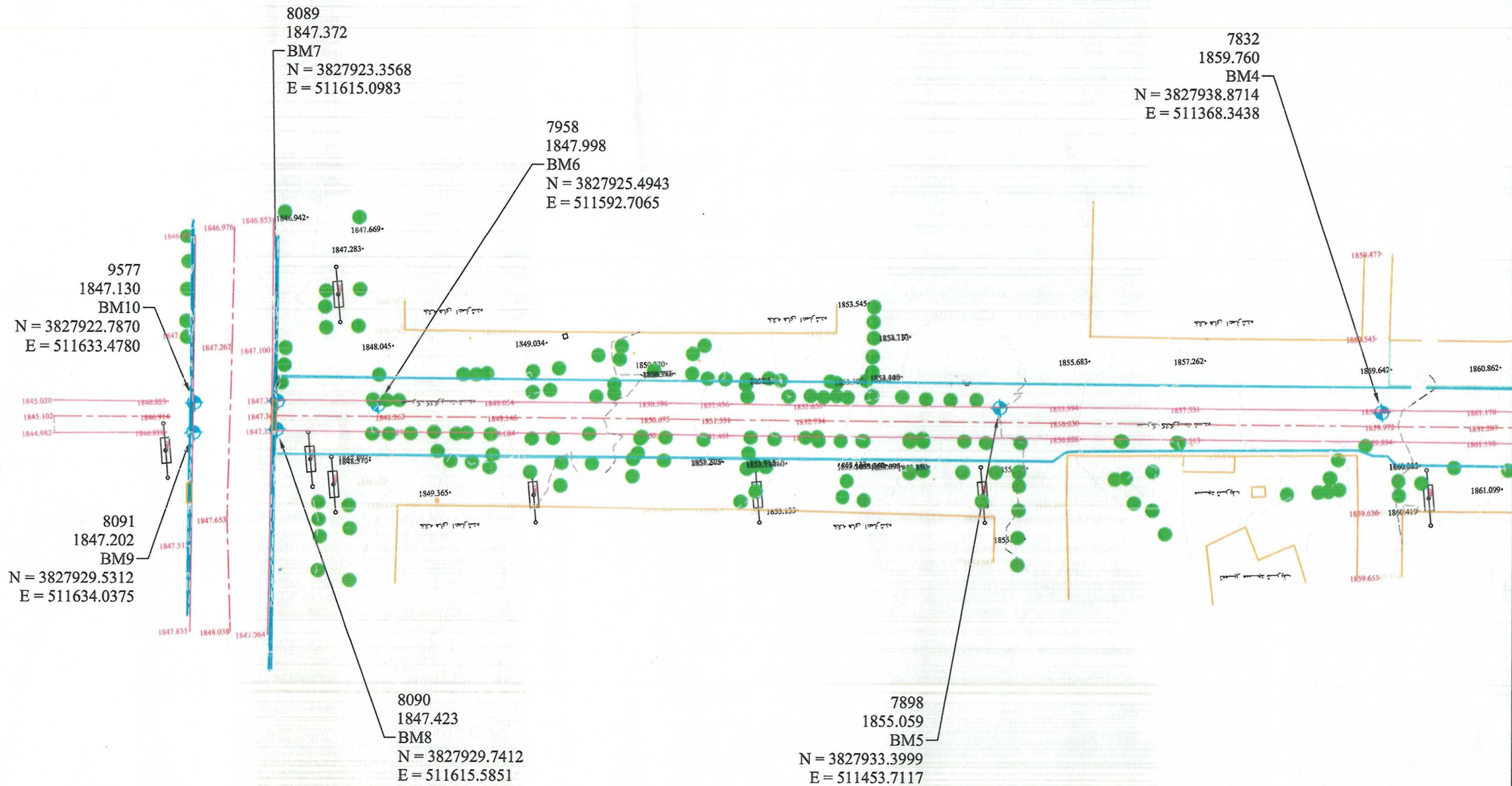
DESIGN LAYOUT



ک- شماره ۱۳۸۱ مورخ ۱۴۴۶/۱۲/۱۹ قید آرشیف اینریاست

HAZAR-E-BAGHAL ROAD PROJECT FROM 315 TO SHARAK MOONSHI MIRGHULAM
(LENGHT=2.635 Km)

توسیم کننده ها:	امضا:	نوت:
عبدالهادی، عبدالهادی احدی، باز محمد، عید... و مناج الرحمن		اسناد تخنیکي پروژه هذا بعد از امضای ترسیم کننده، دیزاین کننده، بررسی کننده، تایید کننده و منظوری مقام محترم شاروالی کابل در این صفحه و همچنین امضاء ترسیم کننده، دیزاین کننده، بررسی کننده و مهر این ریاست در صفحات بعدی این پروژ مقابله طی مراحل بعدی بوده و تطبیق میگردد
دیزاین کننده:	امضا:	منظوری مقام محترم شاروالی کابل در این صفحه بیان کننده منظوری تمام صفحات بعدی این بسته اسناد تخنیکي می باشد.
عبدالهادی، باز محمد، عید... و جمال ...		
بررسی کننده دیزاین:	امضا:	منظور است:
حسین الله شیرازی امر دیزاین		مقام محترم شاروالی کابل
بررسی کننده سروی:	امضا:	تایید کننده:
عتیق الله شیرازی امر سروی		فایق احمد قسبل رئیس زیربنای شهری
سروی کننده ها:	امضا:	



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

LEGENDS

SYMBOL	DESCRIPTION	CODE
CL	CENTER LINE	CL
BL	BUILDING	BL
TCN	TOP OF CANAL	TCN
BCN	BOTTOM OF CANAL	BCN
TD	TOP OF DITCH	TD
BM	BENCHMARK	BM
STA	STATION	STA
CEP	COMPUTED CENTER POINT	CEP
RE	ROAD EDGE	RE
TRV	TOP OF RIVER	TRV
BRV	BOTTOM OF RIVER	BRV
WALL	WALL	WALL
TCU	TOP OF CULVERT	TCU
BR	EXISTING BRIDGE	BR
MSQ	MASQUE	MSQ
HP	HAND PUMP	HP
WELL	WELL	WELL
TP	TOP OF PUMP	TP
CN	CONTAINER	CN
TCU	CULVERT	TCU
SP	SPRINKLER	SP
EDNA	EXISTING DRAINAGE	EDNA
PAVED ROAD	PAVED ROAD	PAVED ROAD
ASPHALT ROAD	ASPHALT ROAD	ASPHALT ROAD

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربناهای شهری
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میرغلام
لات اول

نام پلان:
سروی توپوگرافی

سروی کننده ها

الجنیر محمد طی	الجنیر محمد ثواب
الجنیر یسم الله	الجنیر مصطفی
الجنیر عبداللہ	الجنیر حمید الله
الجنیر نور الرحمن	الجنیر فرید
الجنیر احمد جمشید	الجنیر عبدالاحمد
مرور کننده	الجنیر سید عتیق شروزو
امر سروی	

SCALE: 1:1000

PROJECT CODE:

DRAWING #: 1 of 8





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

LEGENDS		
SYMBOLS	DESCRIPTION	CODE
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	BOTTOM OF CANAL	BCN
	TOP OF DITCH	TD
	STATION	STA
	CENTERED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	
	TOP OF CULVERT	TCU
	CEMETERY	
	EXISTING BRIDGE	BR
	TREE	
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHIC POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	SMALL CULVERT POLE	SP
	ELECTRIC POLE	EP
	CONTOUR	
	PAVED ROAD	
	ASPHALT ROAD	

امارت اسلامی افغانستان

شاروالی کابل
معماریت ساختمانی
ریاست زیربنای شهر
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میر غلام
لات اول

بام پلان
سروی توپوگرافی

سروی کننده ها	
	الجنیر محمد علی
	الجنیر محمد تواب
	الجنیر بسم الله
	الجنیر مصطفی
	الجنیر عبدالله
	الجنیر حسنین الله
	الجنیر نور الرحمن
	الجنیر فرهاد
	الجنیر احمد مجتهد
	الجنیر عبدالاحمد

مروور کننده
الجنیر سید عتیق شورو
امر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 2 of 8

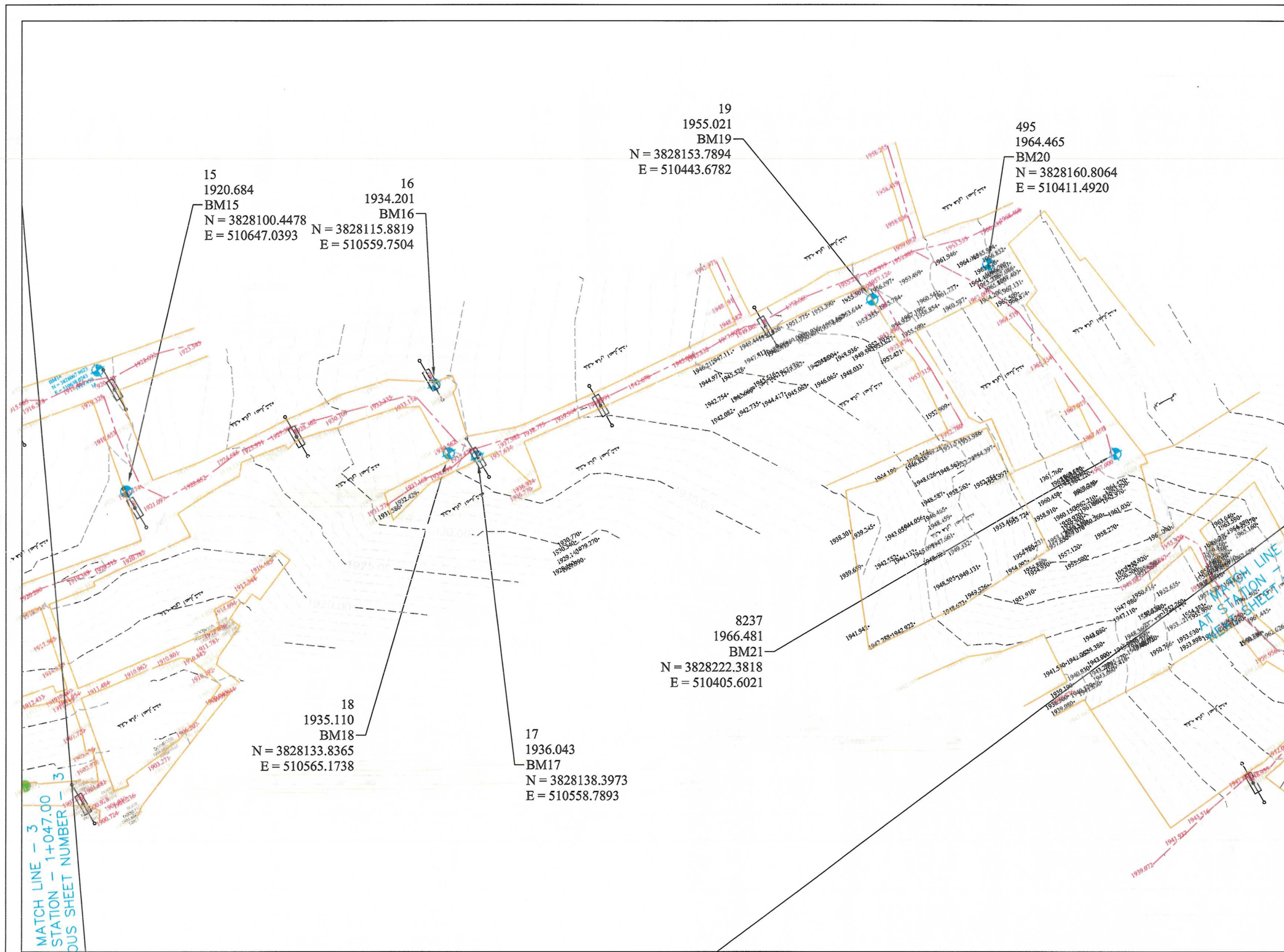
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NOTE:
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UNLESS OTHERWISE INDICATED

LEGENDS

SYMBOLS	DESCRIPTION	CODE
CL	CENTER LINE	CL
BL	BUILDING	BL
TCN	TOP OF CANAL	TCN
BCN	BOTTOM OF CANAL	BCN
TD	TOP OF DITCH	TD
BM	BENCHMARK	BM
STA	STATION	STA
CEP	CULVERT	CEP
RE	ROAD EDGE	RE
TRV	TOP OF RIVER	TRV
BRV	BOTTOM OF RIVER	BRV
WALL	WALL	WALL
TCU	TOP OF CULVERT	TCU
CEMETERY	CEMETERY	CEMETERY
BR	EXISTING BRIDGE	BR
TREE	TREE	TREE
MSQ	MASQUE	MSQ
HP	HAND PUMP	HP
WELL	WELL	WELL
TP	TEMPORARY POINT	TP
CN	CONTAINER	CN
TCU	CULVERT	TCU
PAVED ROAD	PAVED ROAD	PAVED ROAD
ASPHALT ROAD	ASPHALT ROAD	ASPHALT ROAD

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شاروالی کابل
معینیت ساختمانی
ریاست زیر بنای شهر
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میرغلام
لات اول

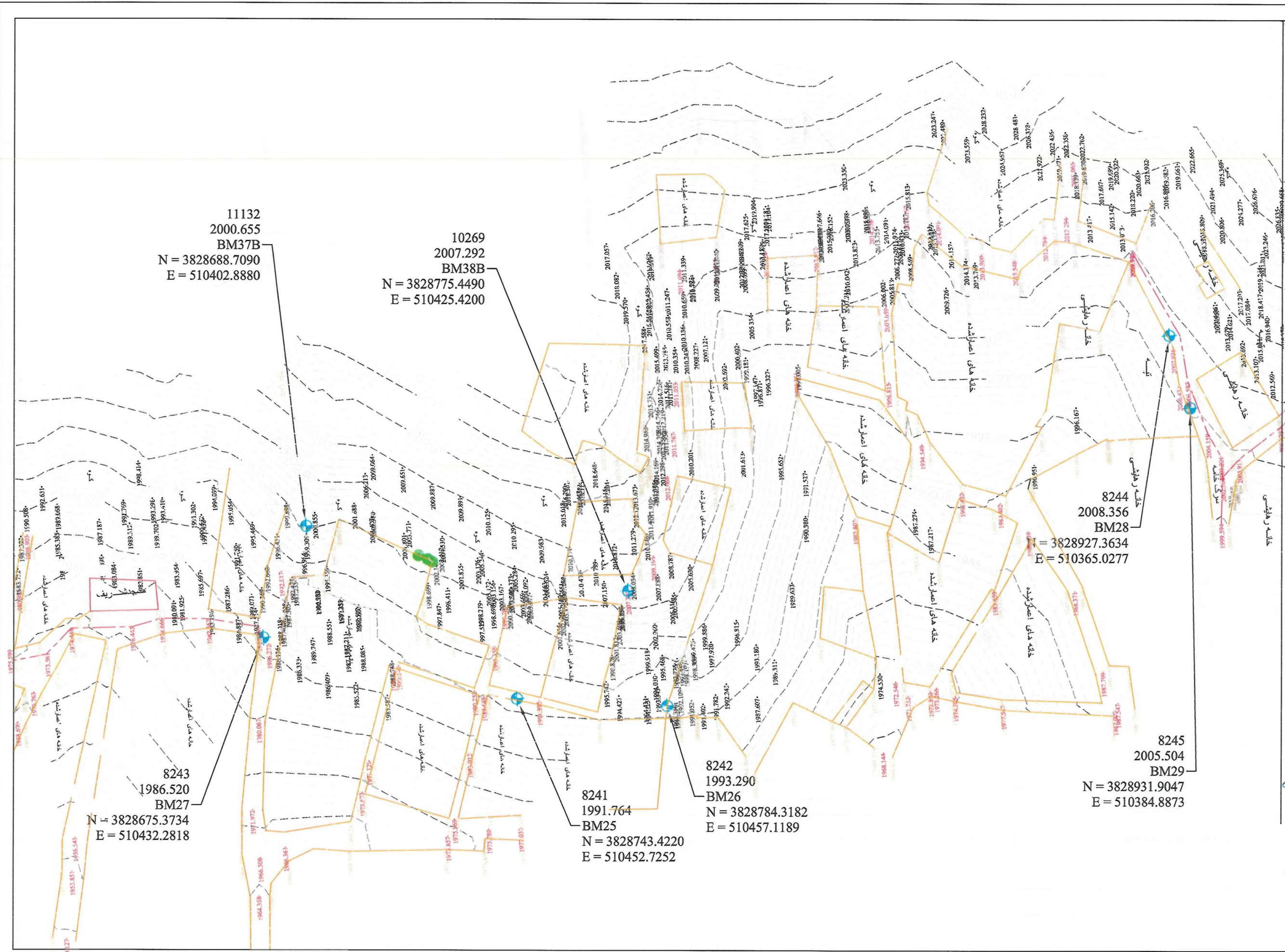
بسم پلان
سروی توپوگرافی

سروی کننده ها

الجنیر محمد علی	الجنیر محمد تواب
الجنیر یوسف الله	الجنیر مصطفی
الجنیر عبداللہ	الجنیر حبیب الله
الجنیر نور الرحمن	الجنیر احمد جشدید
الجنیر عبدالاحمد	

مرور کننده
الجنیر سید عتیق شیری
امر سروی

DATE: 1399/07/20
SCALE: 1:1000
PROJECT CODE: 4018
DRAWING: 4 of 8



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

LEGENDS

SYMBOLS	DESCRIPTION	CODE
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—	BUILDING	BL
—	TOP OF CANAL	TCN
—	BOTTOM OF CANAL	BCN
—	TOP OF DITCH	TD
—	STATION	BM
—	CONVERTED CULVERT PIPE	CEP
—	ROAD EDGE	RE
—	TOP OF RIVER	TRV
—	BOTTOM OF RIVER	BRV
—	WALL	TCU
—	TOP OF CULVERT	TCU
—	CEMETERY	BR
—	PASTURE BRIDGE	BR
—	TREE	MSQ
—	MASQUE	HP
—	HAND PUMP	HP
—	WELL	WELL
—	TEMPORARY POINT	TP
—	CONTAINER	CN
—	CULVERT	TCU
—	WELL ELECTRICITY METER	WEM
—	WELL	WELL
—	CONTR	CONTR
—	PAVED ROAD	PAVED ROAD
—	ASPHALT ROAD	ASPHALT ROAD

امارت اسلامی افغانستان
شاروالی کابل
معیشت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میرغلام
لات اول
بام پلان
سروی توپوگرافی

سرو کنندہ ها

الجنیر محمد علی	الجنیر محمد تواب
الجنیر بسیم الله	الجنیر مصطفی
الجنیر عبداللہ	الجنیر حسنین الله
الجنیر نور الرحمن	الجنیر فرهاد
الجنیر احمد چشید	الجنیر عبدالاحمد

مرور کنندہ
الجنیر سید عتیق شیرازی
امر سروی

DATE: _____
SCALE: 1:1000
PROJECT CODE: _____
DRAWING #: 6 of 8

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

LEGENDS		
SYMBOLS	DESCRIPTION	CODE
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	BOTTOM OF CANAL	BCN
	TOP OF DITCH	TD
	STATION	STA
	CENTERED UTILITY POLE	CEP
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	
	TOP OF CULVERT	TCU
	CEMETERY	
	EXISTING BRIDGE	BR
	TREE	
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TROUGHED POST	TP
	CONTAINER	CN
	CULVERT	TCU
	SMALL CULVERT POLE	SP
	UTILITY POLE	UP
	CONTOUR	
	PAVED ROAD	
	ASPHALT ROAD	

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربنای شهر
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میرغلام
لات اول
بنام پلان
سروی توپوگرافی

سروی کنندہ ها	
	الجنیر محمد علی
	الجنیر محمد تواب
	الجنیر بسم الله
	الجنیر مصطفی
	الجنیر عبدالله
	الجنیر حسوب الله
	الجنیر نور الرحمن
	الجنیر فرهاد
	الجنیر احمد حشید
	الجنیر عبدالاحد

مروور کنندہ
الجنیر مسعود عتیق شیرازی
امر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

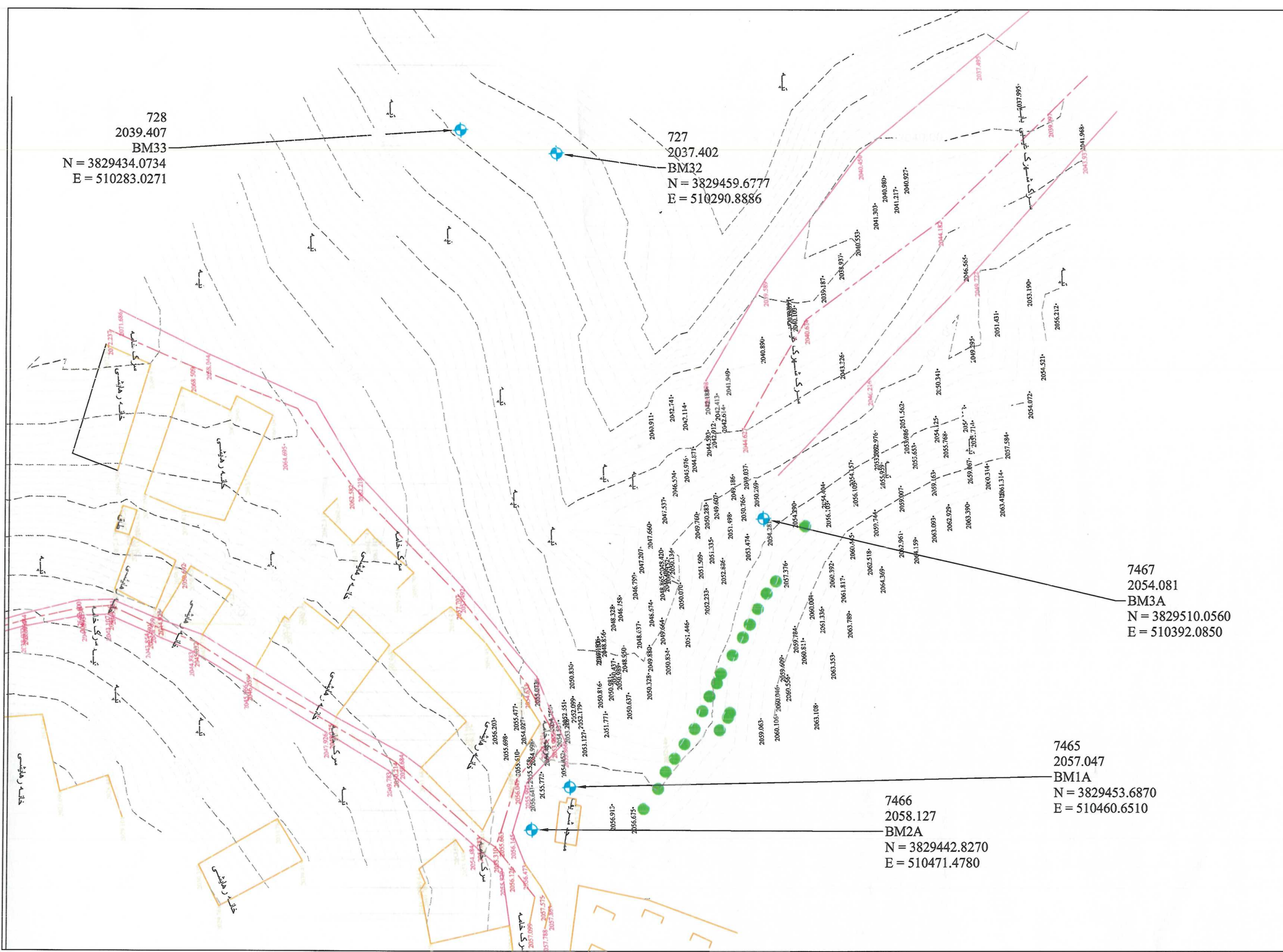
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NOTE:
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LEGENDS

SYMBOLS	DESCRIPTION	CODE
—	CENTER LINE	CL
—	BUILDING	BL
—	TOP OF CANAL	TCN
—	BOTTOM OF CANAL	BCN
—	TOP OF DITCH	TD
—	STATION	STA
—	CEP	CEP
—	ROAD EDGE	RE
—	TOP OF RIVER	TRV
—	BOTTOM OF RIVER	BRV
—	WALL	W
—	TOP OF CULVERT	TCU
—	CEMETERY	CEM
—	EXISTING BRIDGE	BR
—	TREE	T
—	MASQUE	MSQ
—	HAND PUMP	HP
—	WELL	WELL
—	TP	TP
—	CONTAINER	CN
—	CULVERT	TCU
—	STAL CULVERT PILL	SP
—	EXISTING PILL	EP
—	CONTOUR	CON
—	PAVED ROAD	PR
—	ASPHALT ROAD	AR

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
امور ساختمان سرک هزاره بغل اعتبار
از 315 به طرف شهرک منشی میرغلام
لات اول

نام پلان:
سروی توپوگرافی

سروی کنندگان

الجنیر محمد علی
الجنیر محمد تواب
الجنیر یوسف الله
الجنیر مصطفی
الجنیر عبداله
الجنیر حسنین الله
الجنیر نور الرحمن
الجنیر فرهاد
الجنیر احمد جمشید
الجنیر عبدالاحمد

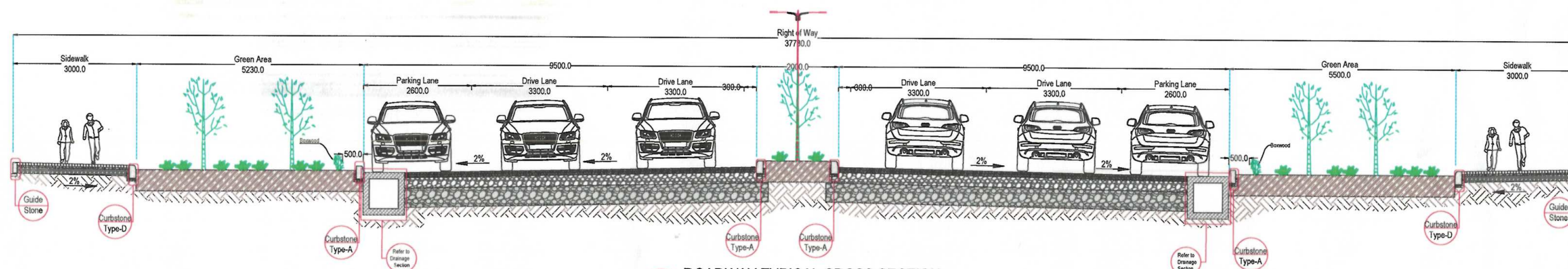
مروور کنندگان
الجنیر سید عتیق شیری زوی
امیر سروی

DATE:
PROJECT CODE:
DRAWING #: 8 of 8

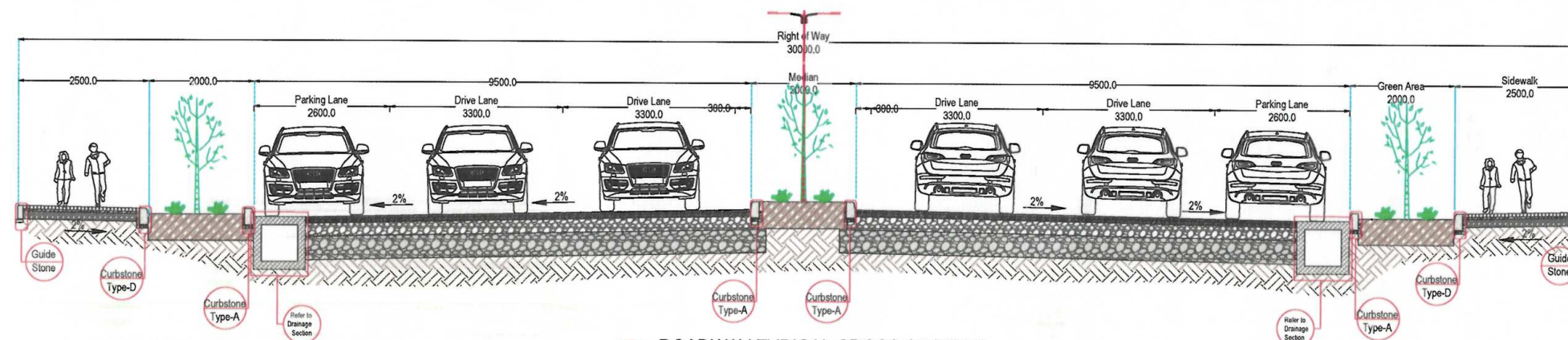
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NOTE
1. All dimensions are in Millimeter unless otherwise indicated.



01 ROADWAY TYPICAL CROSS SECTION
FROM STATION 0+000 TO 0+404



02 ROADWAY TYPICAL CROSS SECTION
FROM STATION 0+404 TO 0+895



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABL MUNICIPALITY
DESIGN TEAM

Project Name:
HAZARE BAGHAL ROAD PROJECT

Drawing Title:
TYPICAL CROSS SECTIONS

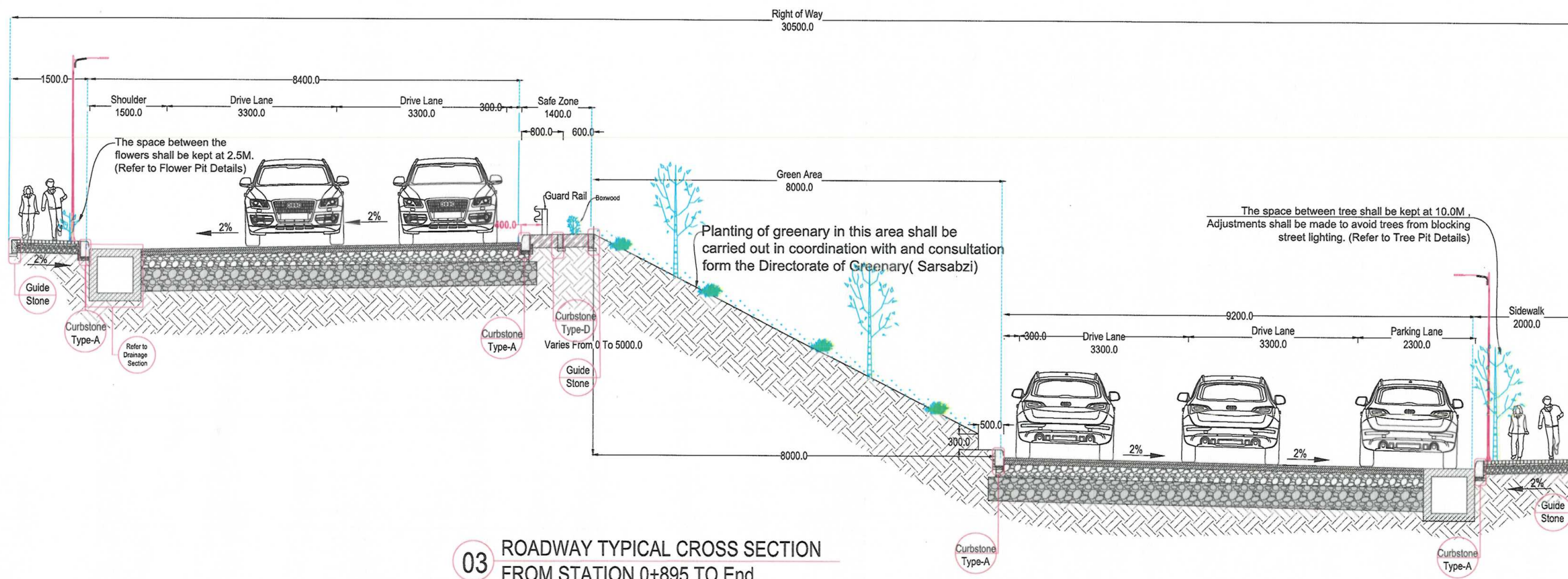
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Abdul Hadi Ahadi	
Designed By:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hasibullah Shalizi	
Approved By:	Signature:

Date: 13/09/2024 Scale:

Status: FINAL DESIGN

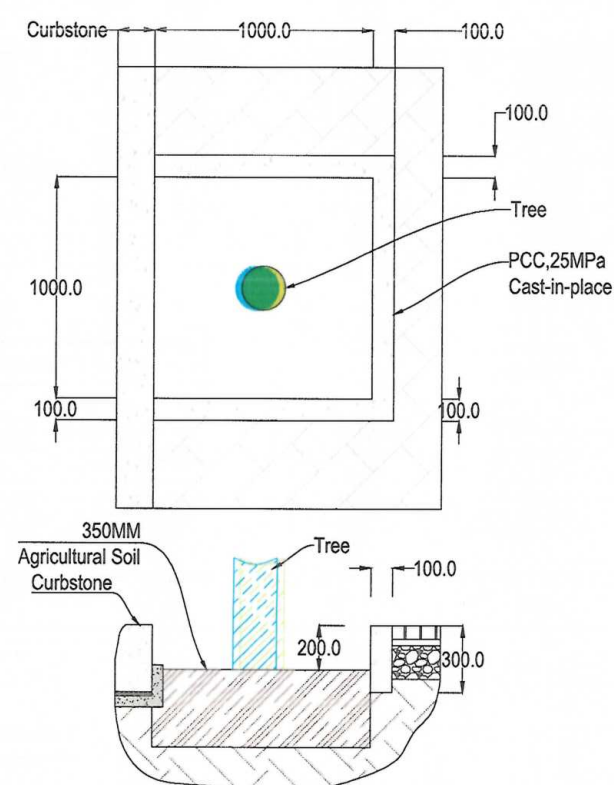
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SHEET	PAGE NO	REVISION

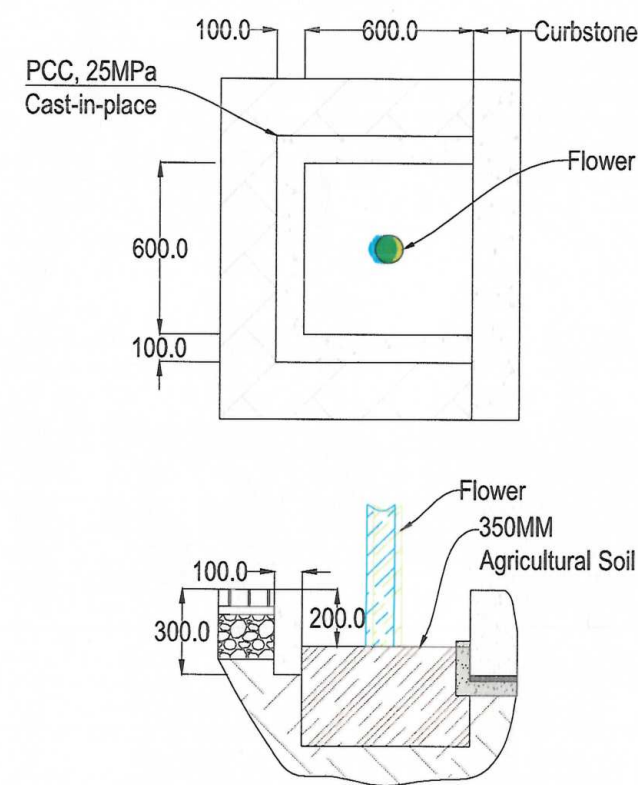


03 ROADWAY TYPICAL CROSS SECTION FROM STATION 0+895 TO End

Guard Rail Stations			
Left Side Carriageway Right Edge		Right Side Carriageway Right Edge	
From	To	From	To
0+980	2+635	0+884	1+078
		1+300	1+375
Left Side Carriageway Left Edge		1+408	1+485
		1+520	1+825
0+818	0+915	1+882	1+970
0+980	1+045	2+006	2+340
1+422.5	1+484	2+360	2+520
		0+563	0+664



Details for Tree Pit



Details for Flower Pit

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



ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
HAZARE BAGHAL ROAD PROJECT

Drawing Title:
TYPICAL CROSS SECTIONS

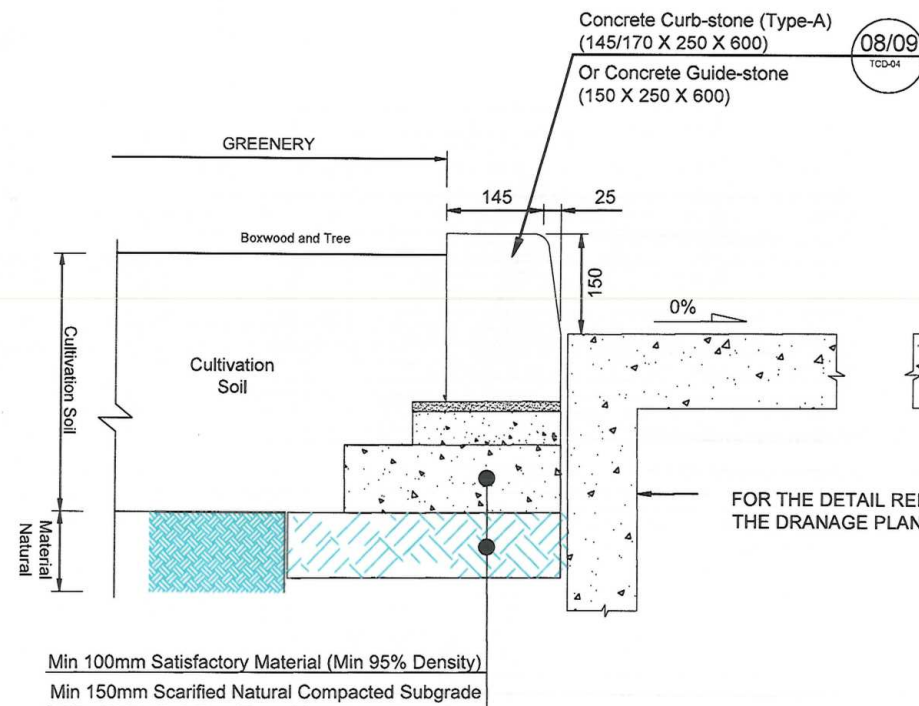
Drawn By: Abdul Hadi Ahadi
Designed By: Abdul Hadi
Reviewed By: Hasibullah Shalizi
Approved By:
Signature:
Signature:
Signature:
Signature:

Date: 13/09/2024
Scale:

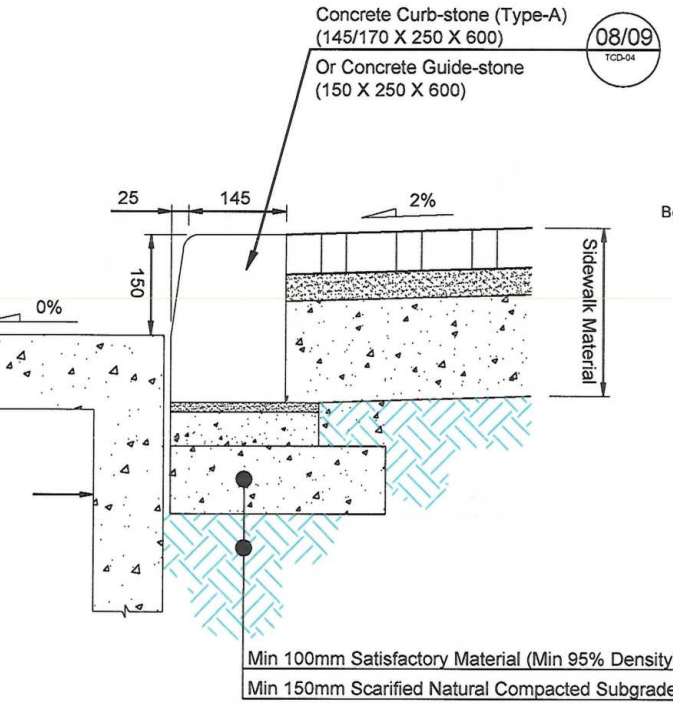
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Project Code

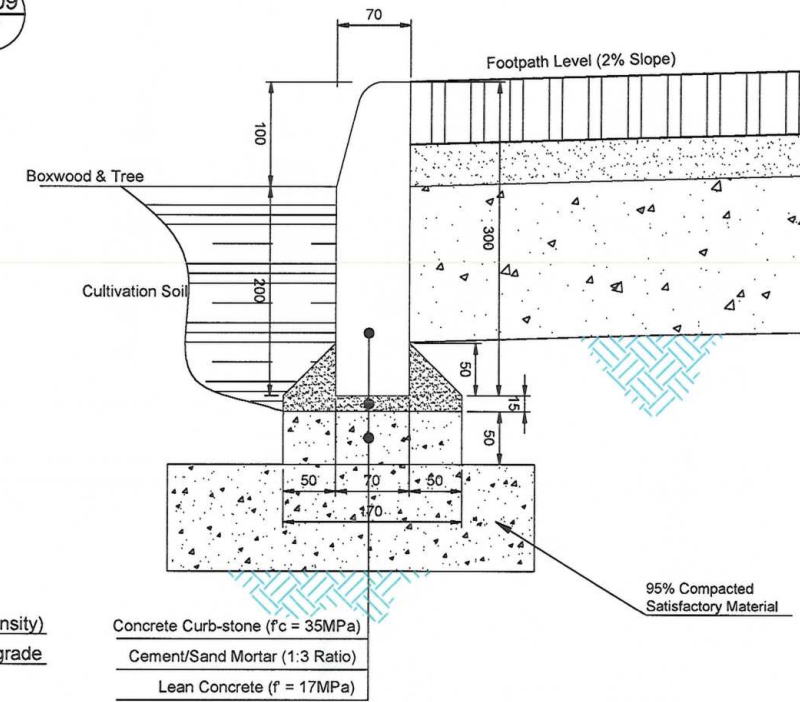
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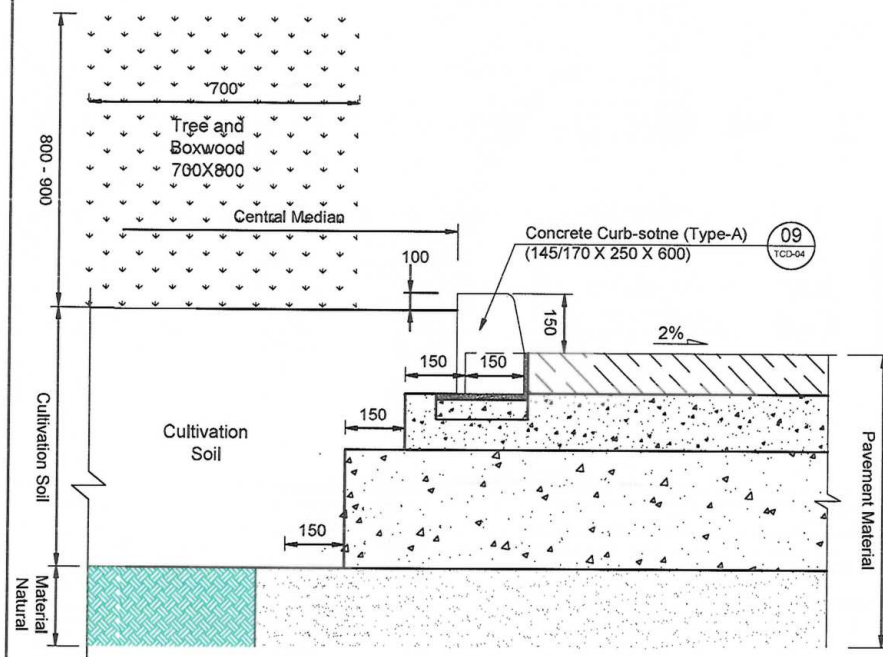
6 SIDE MEDIAN AND CURBSTONE DETAIL
SCALE - NTS



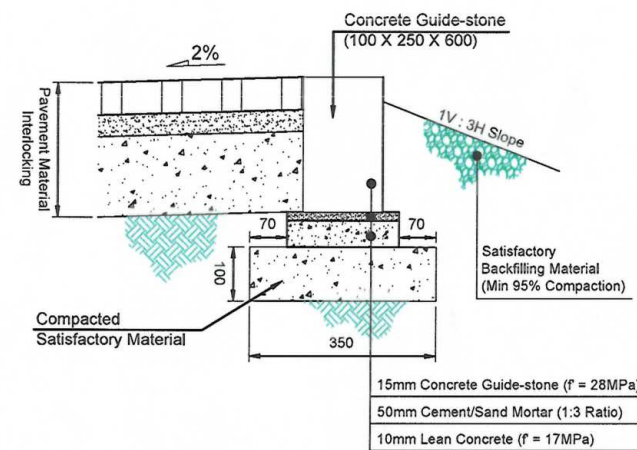
7 CURBSTONE DETAIL NEAR SIDE WALK
SCALE -



10 Curb-stone Detail (Type-D)
SCALE - NTS



5 CENTRAL MEDIAN AND CURBSTONE DETAIL
SCALE - NTS



4 GUIDE-STONE DETAIL
SCALE - NTS

NOTE:

THE GUIDE-STONES SHALL CONSTRUCT AS A PRECAST PRODUCT WITH MIN OF 28MPa CYLINDRICAL SPECIFIED COMPRESSION STRENGTH AT 28DAYS CRUSHING.

IN CASE OF CAST-IN-PLACE PRODUCT, THE CEMENT/SAND MORTAR IS NOT RECOMMENDING BELOW THE GUIDE-STONES.

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Typical Cross-section & Details

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shaloz"

Signature:

Approved by:

Signature:

Date:

9/10/2024

Scale:

Status:

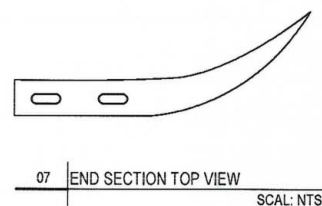
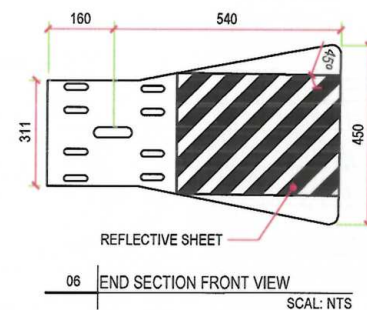
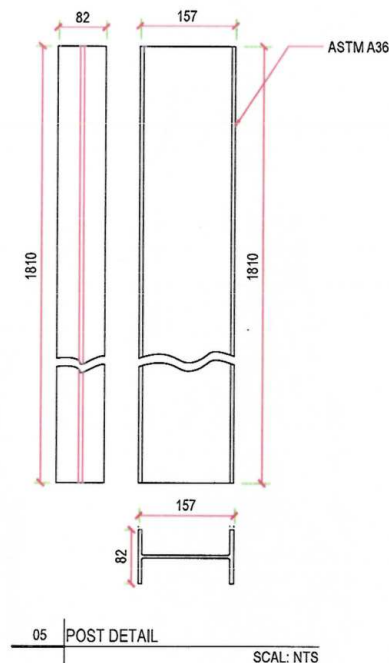
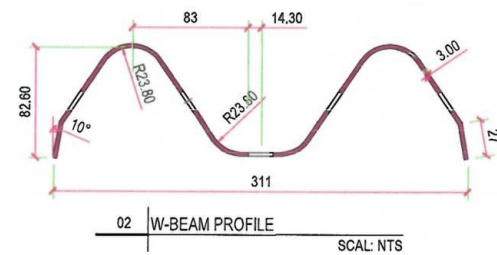
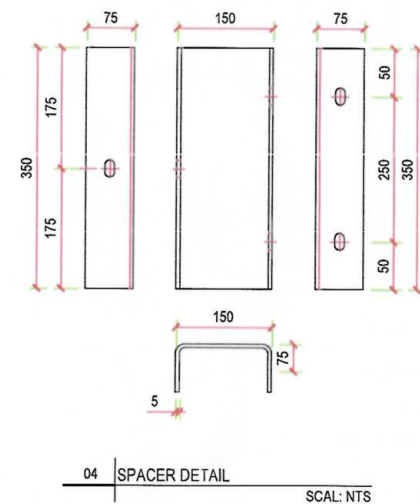
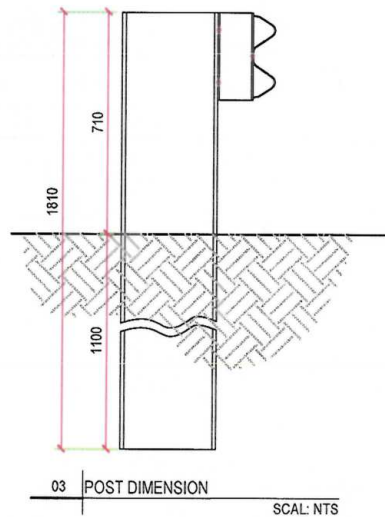
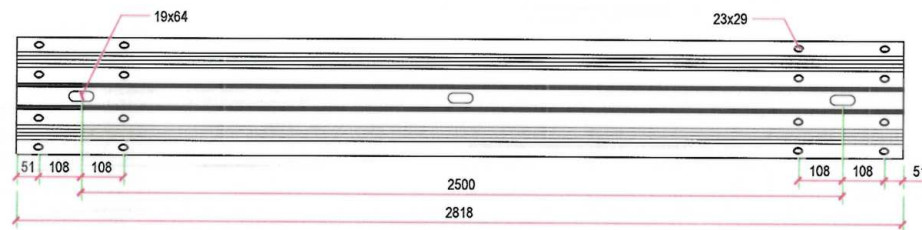
Project Code:

SHEET NO.

TCSID_4

Revision:

01



Manufacturing Standard
Primarily the guard rail is manufactured to conform to AASHTO M 180. Other specification like AASHTO M 270 / ASTM A 446 / A36 for posts. Nuts and Bolts conform to ASTM A 307 Class 8.8.

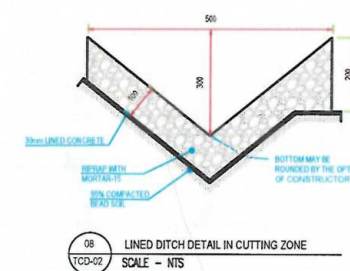
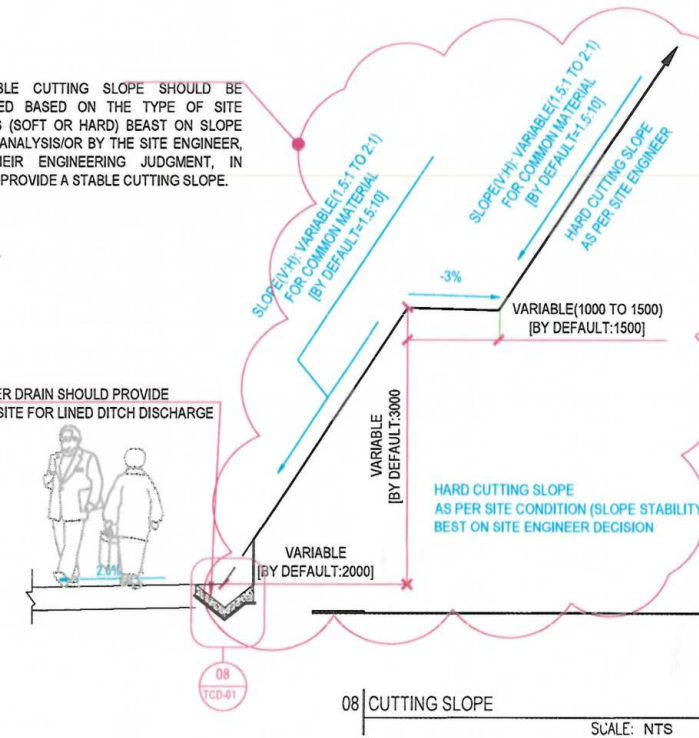
Galvanizing
Galvanizing Of Guard Rail complies to requirements of AASHTO M111, ASTM A 123 & EN 1461

Hardware : All Hardware such as Nut & Bolt Sets are Galvanised as per AASHTO M 232

MECHANICAL PROPERTIES
The mechanical properties of base metal shall confirm to the following requirement:
Beam and Transition Section:
• Yield point and, minimum, 345 MPa (50000 psi);
• Tensile strength, minimum 483 MPa (70000 psi);
and
• Elongation, in 50mm (2in.), minimum, 12 percent.

THE STABLE CUTTING SLOPE SHOULD BE DETERMINED BASED ON THE TYPE OF SITE MATERIALS (SOFT OR HARD) BASED ON SLOPE STABILITY ANALYSIS/OR BY THE SITE ENGINEER, USING THEIR ENGINEERING JUDGMENT, IN ORDER TO PROVIDE A STABLE CUTTING SLOPE.

A PROPER DRAIN SHOULD PROVIDE AS PER SITE FOR LINED DITCH DISCHARGE



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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Typical Cross-section & Details

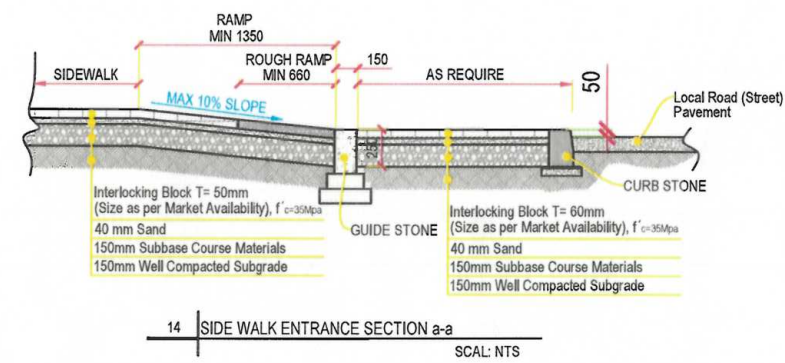
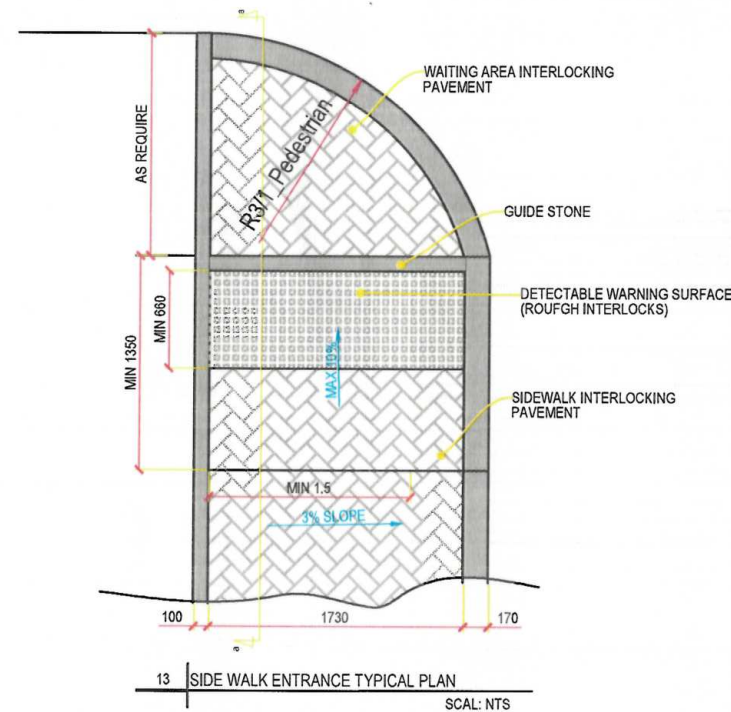
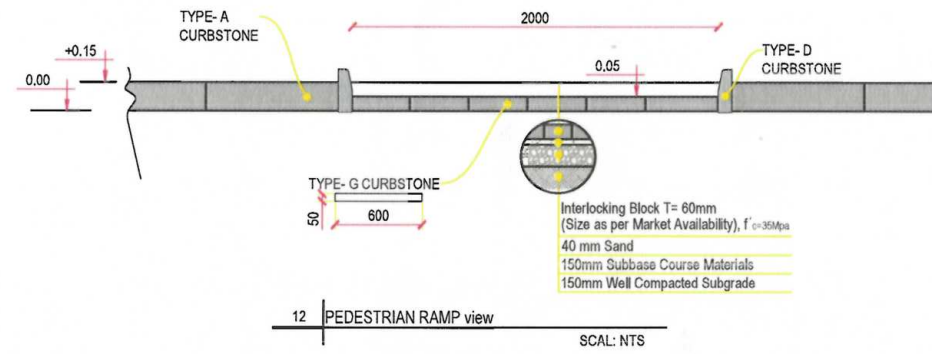
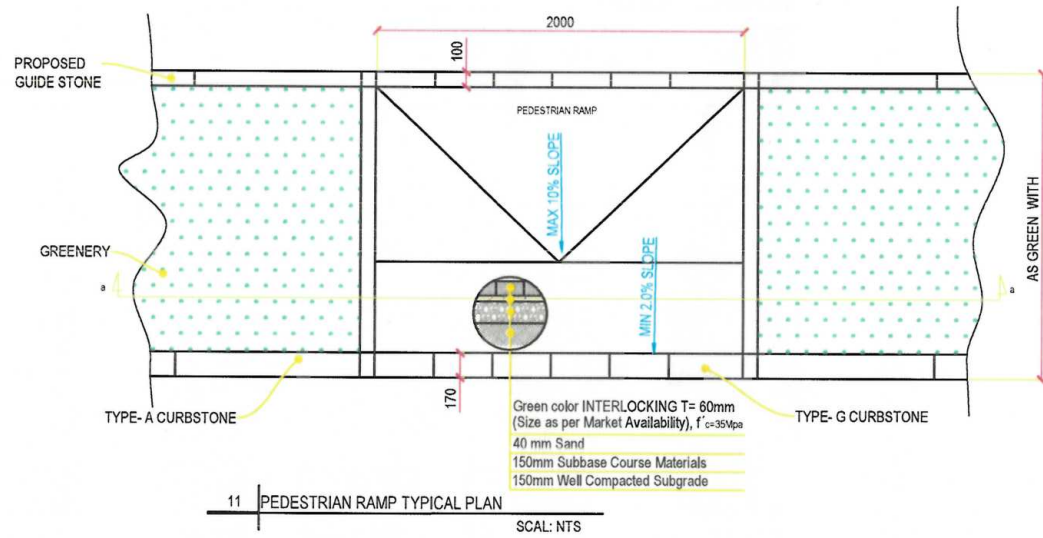
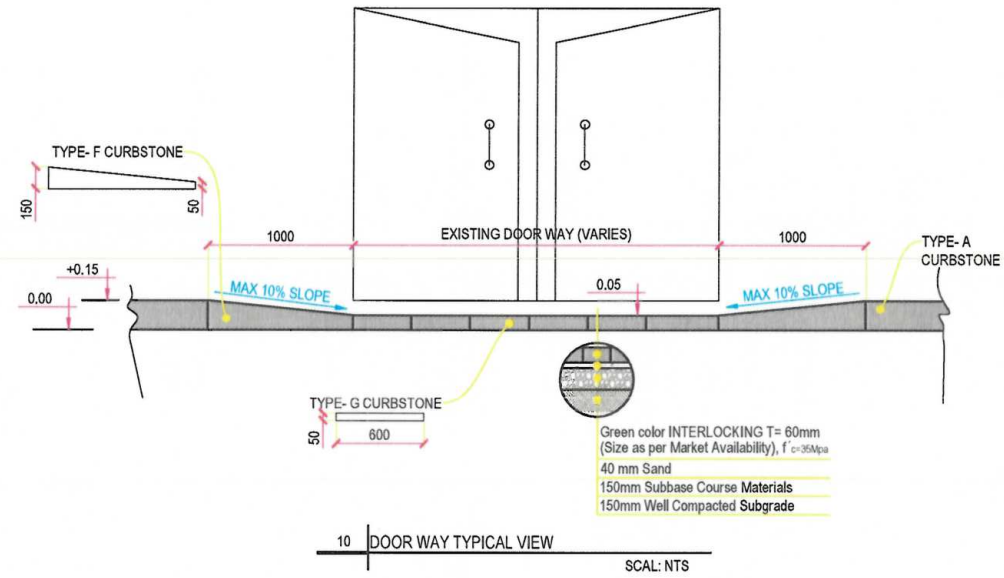
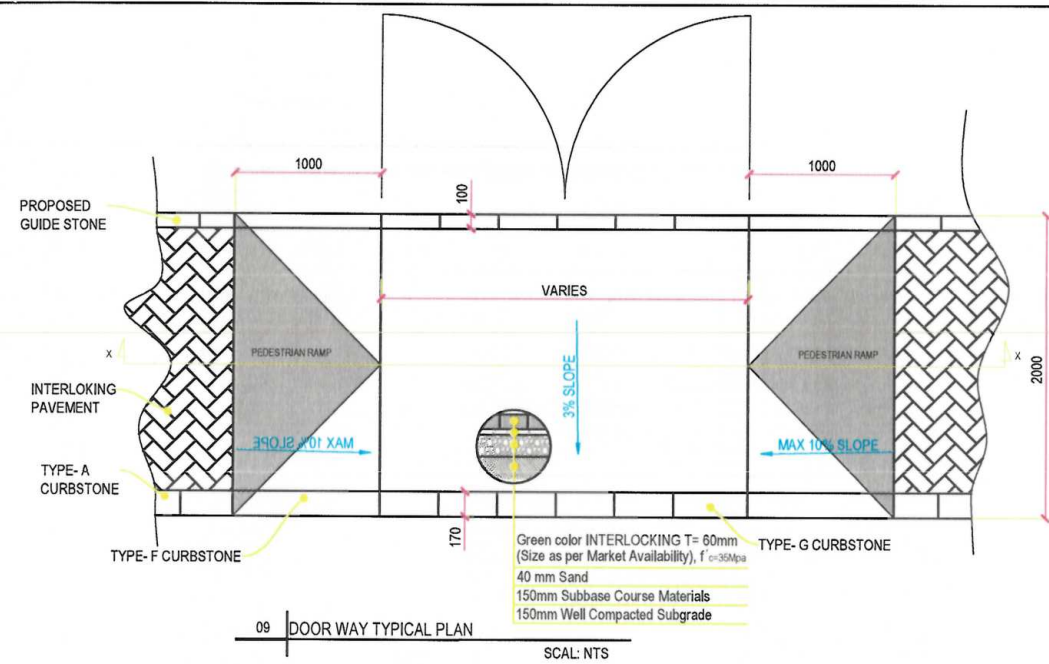
Drawn by: Abdul Hadi
Designed by: Abdul Hadi
Reviewed by: Hashibullah "Shalizi"
Approved by:

Date: 9/10/2024 Scale:

Status:

Project Code:

SHEET NO. TCS_D_01



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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Typical Cross-section & Details

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Date:

9/10/2024

Scale:

Status:

Project Code:

SHEET NO.

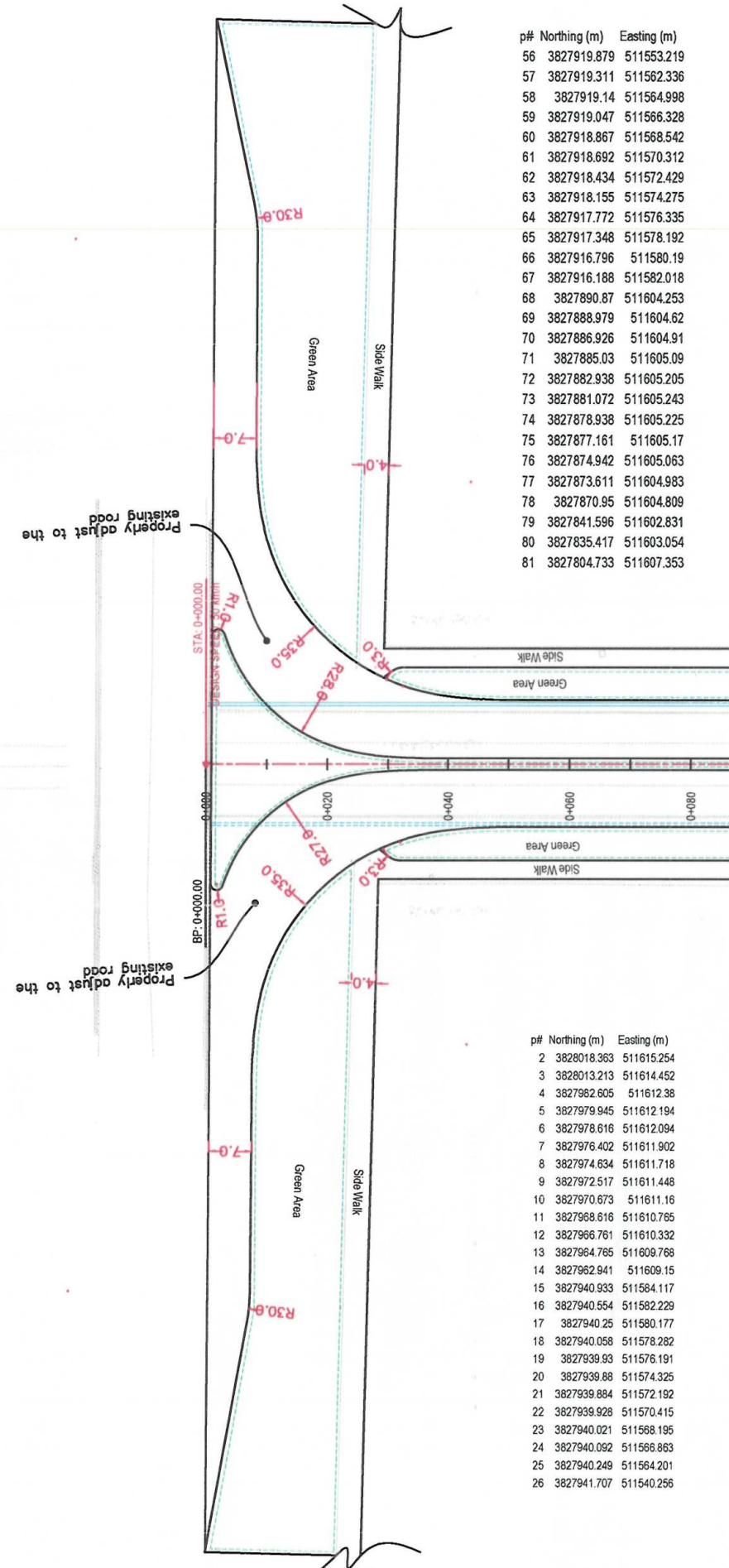
TCSID_6

Revision

01



p#	Northing (m)	Easting (m)
27	3827930.127	511574.123
28	3827929.871	511578.329
29	3827929.715	511580.991
30	3827929.647	511582.322
31	3827929.567	511584.543
32	3827929.542	511586.321
33	3827929.576	511588.454
34	3827929.674	511590.318
35	3827929.877	511592.403
36	3827930.16	511594.286
37	3827930.589	511596.315
38	3827931.112	511598.168
39	3827946.745	511614.99
40	3827946.372	511616.918
41	3827937.773	511616.339
42	3827905.782	511614.176
43	3827905.607	511612.209
44	3827924.402	511596.411
45	3827925.124	511594.626
46	3827925.777	511592.658
47	3827926.273	511590.819
48	3827926.716	511588.771
49	3827927.033	511586.932
50	3827927.319	511584.818
51	3827927.507	511583.05
52	3827927.695	511580.836
53	3827927.789	511579.506
54	3827927.957	511576.844
55	3827928.13	511574.001



p#	Northing (m)	Easting (m)
56	3827919.879	511553.219
57	3827919.311	511562.336
58	3827919.14	511564.998
59	3827919.047	511566.328
60	3827918.867	511568.542
61	3827918.692	511570.312
62	3827918.434	511572.429
63	3827918.155	511574.275
64	3827917.772	511576.335
65	3827917.348	511578.192
66	3827916.796	511580.19
67	3827916.188	511582.018
68	3827890.87	511604.253
69	3827888.979	511604.62
70	3827886.926	511604.91
71	3827885.03	511605.09
72	3827882.938	511605.205
73	3827881.072	511605.243
74	3827878.938	511605.225
75	3827877.161	511605.17
76	3827874.942	511605.063
77	3827873.611	511604.983
78	3827870.95	511604.809
79	3827841.596	511602.831
80	3827835.417	511603.054
81	3827804.733	511607.353

p#	Northing (m)	Easting (m)
2	3828018.363	511615.254
3	3828013.213	511614.452
4	3827982.605	511612.38
5	3827979.945	511612.194
6	3827978.616	511612.094
7	3827976.402	511611.902
8	3827974.634	511611.718
9	3827972.517	511611.448
10	3827970.673	511611.16
11	3827968.616	511610.765
12	3827966.761	511610.332
13	3827964.765	511609.768
14	3827962.941	511609.15
15	3827940.933	511584.117
16	3827940.554	511582.229
17	3827940.25	511580.177
18	3827940.058	511578.282
19	3827939.93	511576.191
20	3827939.88	511574.325
21	3827939.884	511572.192
22	3827939.928	511570.415
23	3827940.021	511568.195
24	3827940.092	511566.863
25	3827940.249	511564.201
26	3827941.707	511540.256

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shaloz"

Signature:

Approved by:

Signature:

Date:

9/11/2024

Scale:

Status:

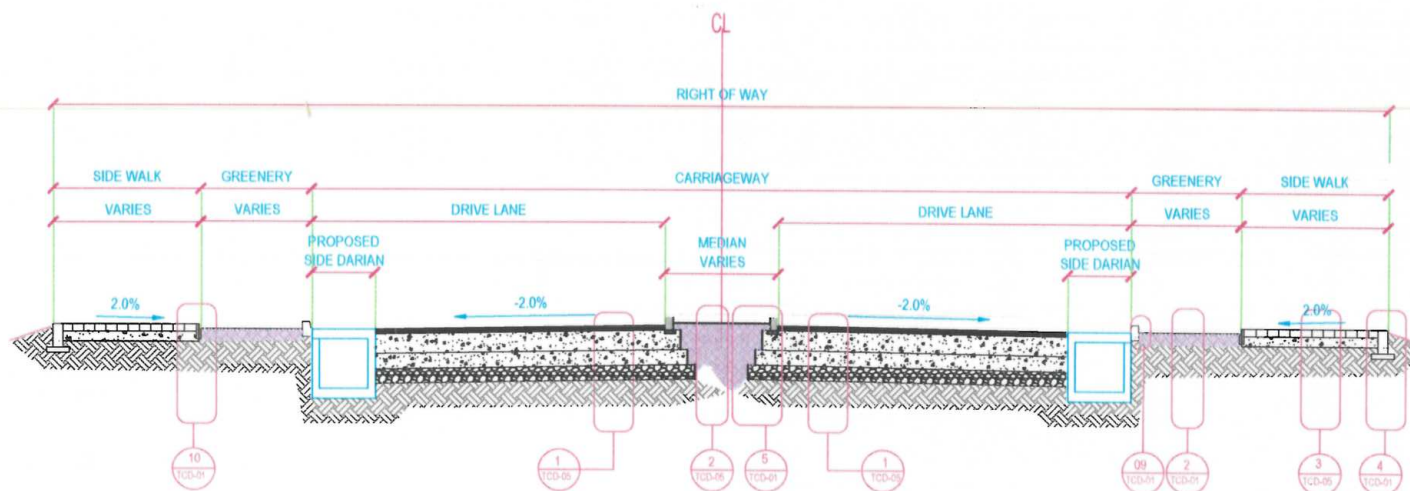
Project Code:

SHEET NO.

Intersection

Revision

01



A PROPOSED ROADWAY MATERIAL SECTION Start to End
FOR THE GEOMETRIC SIZE REFEREE TO TCS SCALE - NTS

ASPHALT WEARING COURSE		50mm HOT MIX ASPHALT
ASPHALT INTERMEDIATE & BINDER COURSES		90mm HOT MIX ASPHALT
CRUSHED AGGREGATE BASE COURSE CBR>80%		250mm @100% COMPACTION 130mm MAXIMUM LIFT THICKNESS
GRANULAR AGGREGATE SUBBASE CBR>35%		350mm @ MIN 98% COMPACTION 130mm MAX LIFT THICKNESS
COMPACTED SUBGRADE SELECT GRANULAR MATERIAL CBR>18%		130mm @ MIN 97% COMPACTION 130mm LIFT THICKNESS
NATURAL SCARIFIED AND RE-COMPACTED SUBGRADE		300mm @ MIN 95% COMPACTION 150mm MAX LIFT THICKNESS

1 MAIN CARRIAGEWAYS MATERIAL DETAIL
SCALE - NTS

NOTES:

- BASED ON THE GEOTECHNICAL REPORT, UNSUITABLE MATERIAL HAS BEEN FOUND IN CERTAIN AREAS OF THE ROADBED. IT IS RECOMMENDED THAT THIS MATERIAL BE REPLACED WITH MORE SATISFACTORY MATERIAL. FOR MORE INFORMATION, PLEASE REFER TO THE GEOTECHNICAL REPORT.

INTERLOCKING PAVEMENT		60mm INTERLOCK 35MPa CYLINDRICAL SPECIFIED COMPRESSION STRENGTH AT 28 DAYS CRUSHING
FINE SAND		40mm FINE SAND COMPACTION AS PER SITE CONDITION
GRANULAR AGGREGATE BASE COURSE CBR>30%		150mm @ MIN 97% COMPACTION 150mm MAX LIFT THICKNESS
NATURAL SCARIFIED AND RE-COMPACTED SUBGRADE		150mm @ MIN 95% COMPACTION 150mm MIN SCARIFICATION DEPTH

3 SIDEWALK MATERIALS DETAIL
SCALE - NTS

CULTIVATION SOIL		350mm CULTIVATION SOIL SUITABLE FOR TREES AND PLANTS
NATURAL SOIL		650mm NATURAL SOIL WITHOUT STONE FRAGMENT LARGER THEN 37mm

2 GREENERY & MEDIAN MATERIALS DETAIL
SCALE - NTS

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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

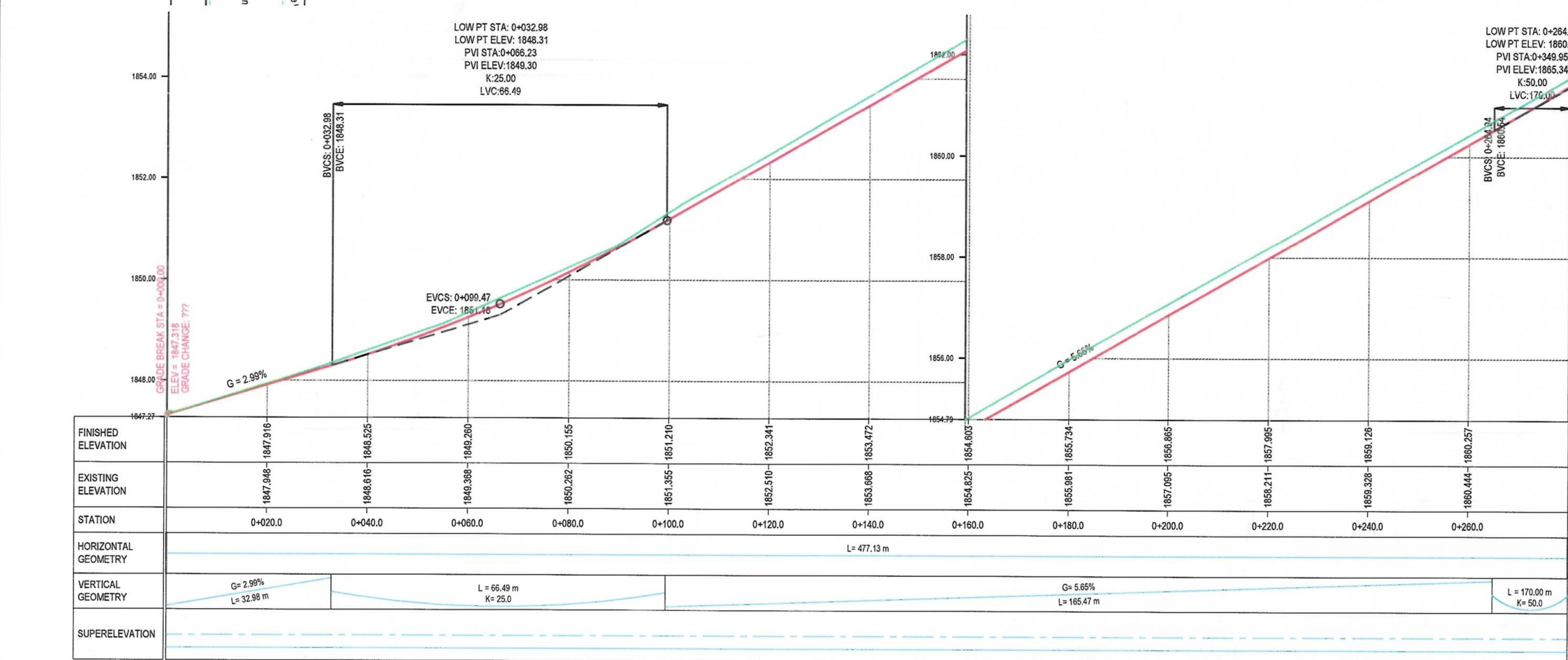
Drawing Title:
Typical Cross-section & Details

Drawn by: Abdul Hadi
Designed by: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:

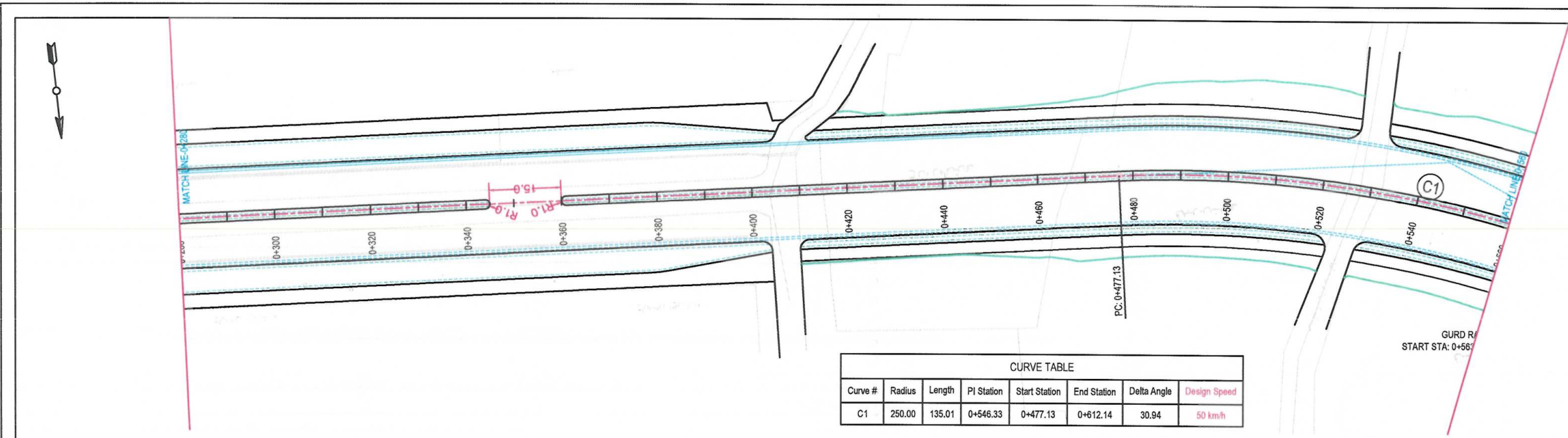
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Scale:

Status:
Project Code:

SHEET NO. TCS12_8
Revision: 01



SHEET NO.	Revised
p& p	01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C1	250.00	135.01	0+546.33	0+477.13	0+612.14	50 km/h

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

- LEGENDS
- LEFT SIDE DESIGN PROFILE
 - RETAINING WALL
 - CUTTING
 - FILLING
 - GREEN AREA
 - GUARD RAIL



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

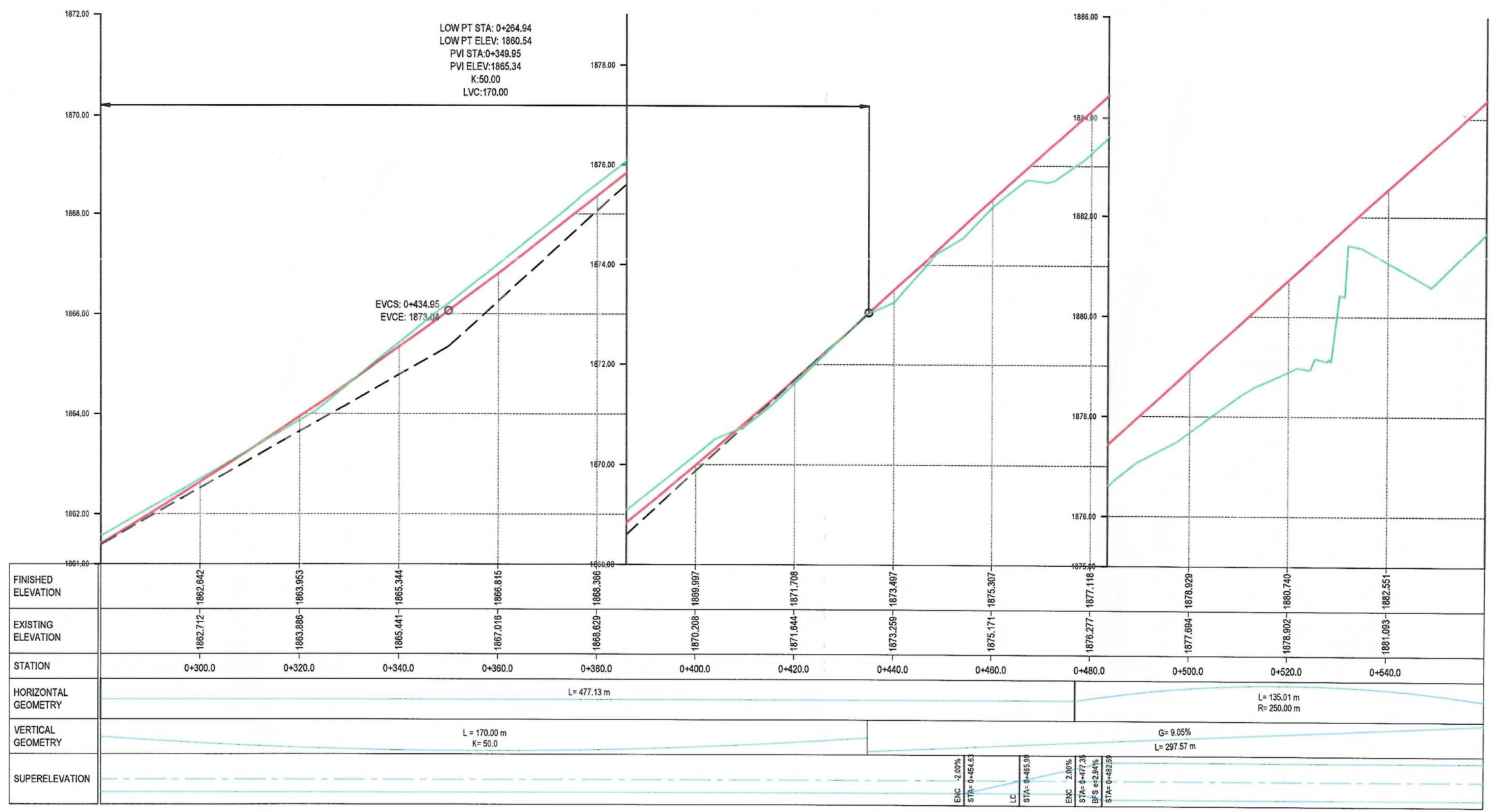
Drawing Title:
Plan and Profile

Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalazy"	Signature:
Approved by:	Signature:

Date: 9/11/2024	Scale:
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Status:
Project Code:

SHEET NO. p& p... (1)	Revision 01
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CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C2	320.00	135.88	0+759.74	0+690.76	0+826.64	50 km/h

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

LEGENDS

LEFT SIDE DESIGN
PROFILE
RETAINING WALL
CUTTING
FILLING
GREEN AREA
GUARD RAIL



Rev.	Date	Revision Details	Drawn	Chkd	Appd.
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Date: 9/11/2024 Scale:

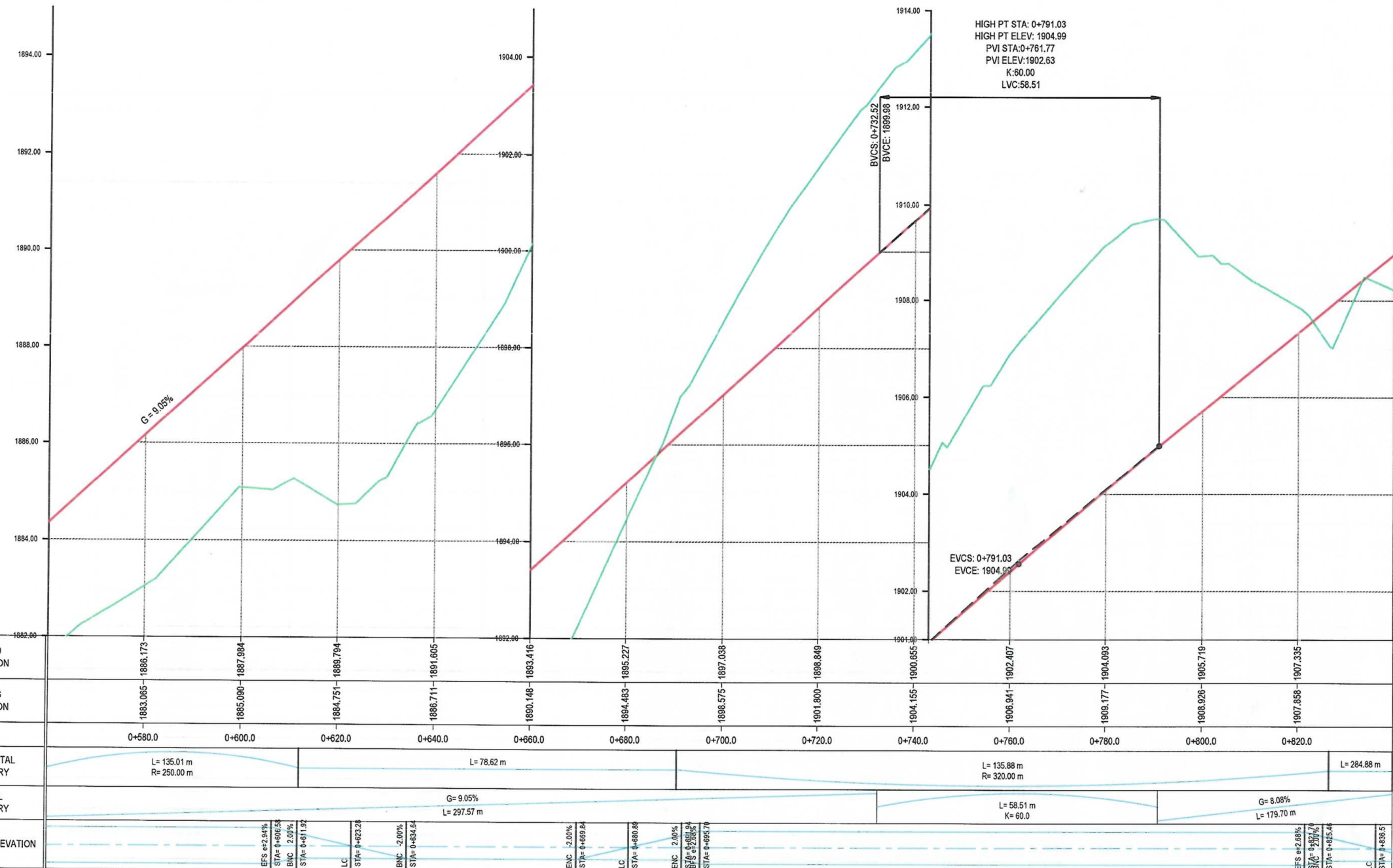
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Project Code

Sheet NO.	Revision
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p& p... (2)

01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C4	150.00	122.60	1+176.47	1+111.52	1+234.12	20 km/h

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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Date:

9/11/2024

Scale:

Status:

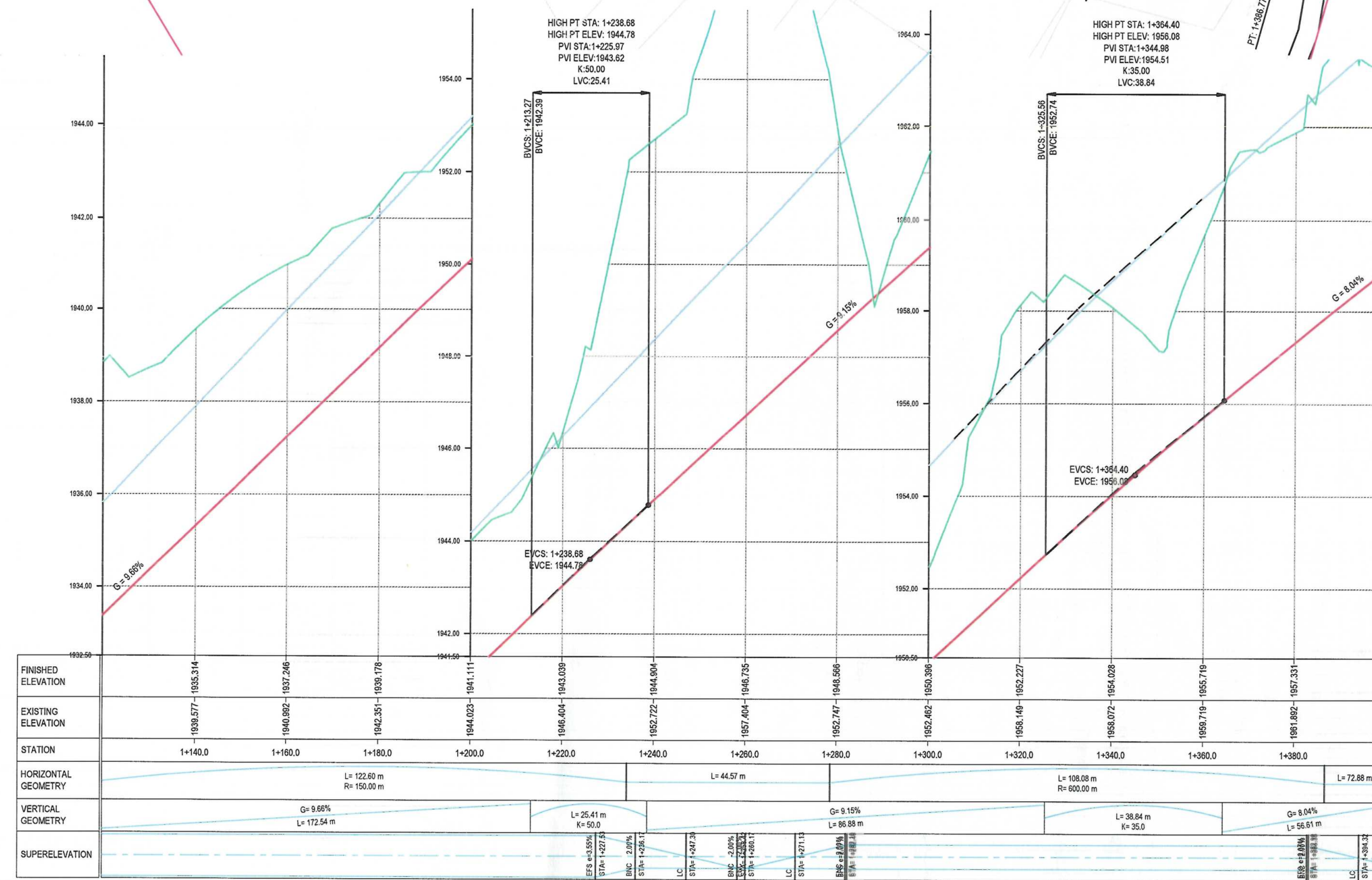
Project Code:

SHEET NO.

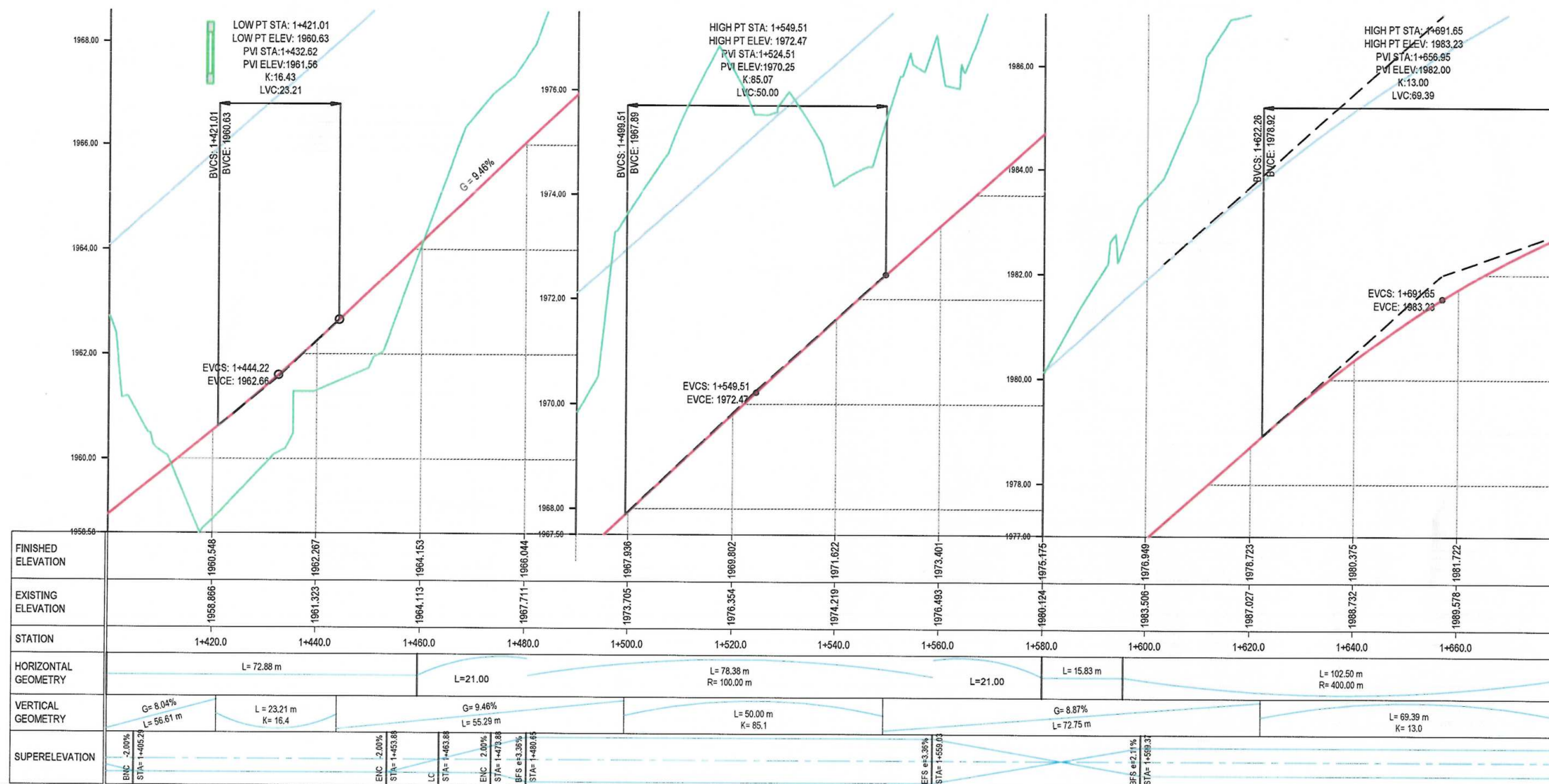
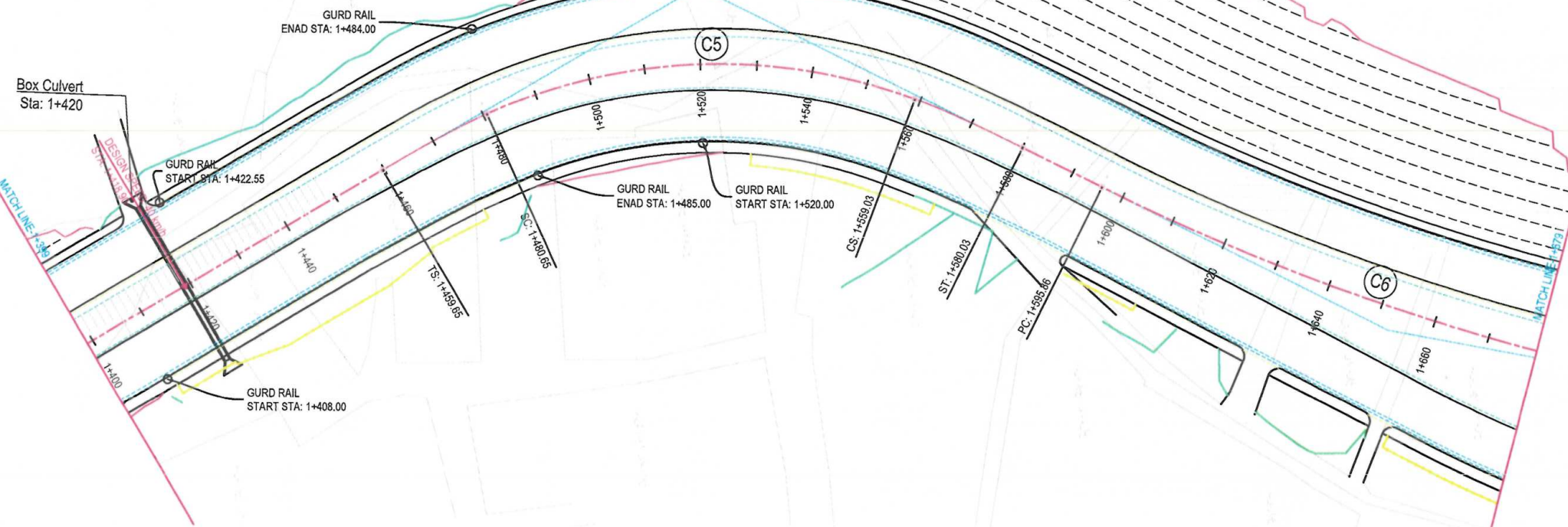
p& p., (4)

Revision

01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C5	100.00	78.38	1+521.98	1+480.65	1+559.03	40 km/h
C6	400.00	102.50	1+647.40	1+595.86	1+698.37	40 km/h



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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by:

Abdul Hadi

Designed by:

Abdul Hadi

Reviewed by:

Hasibullah "Shalizi"

Approved by:

Signature

Date:

9/11/2024

Status:

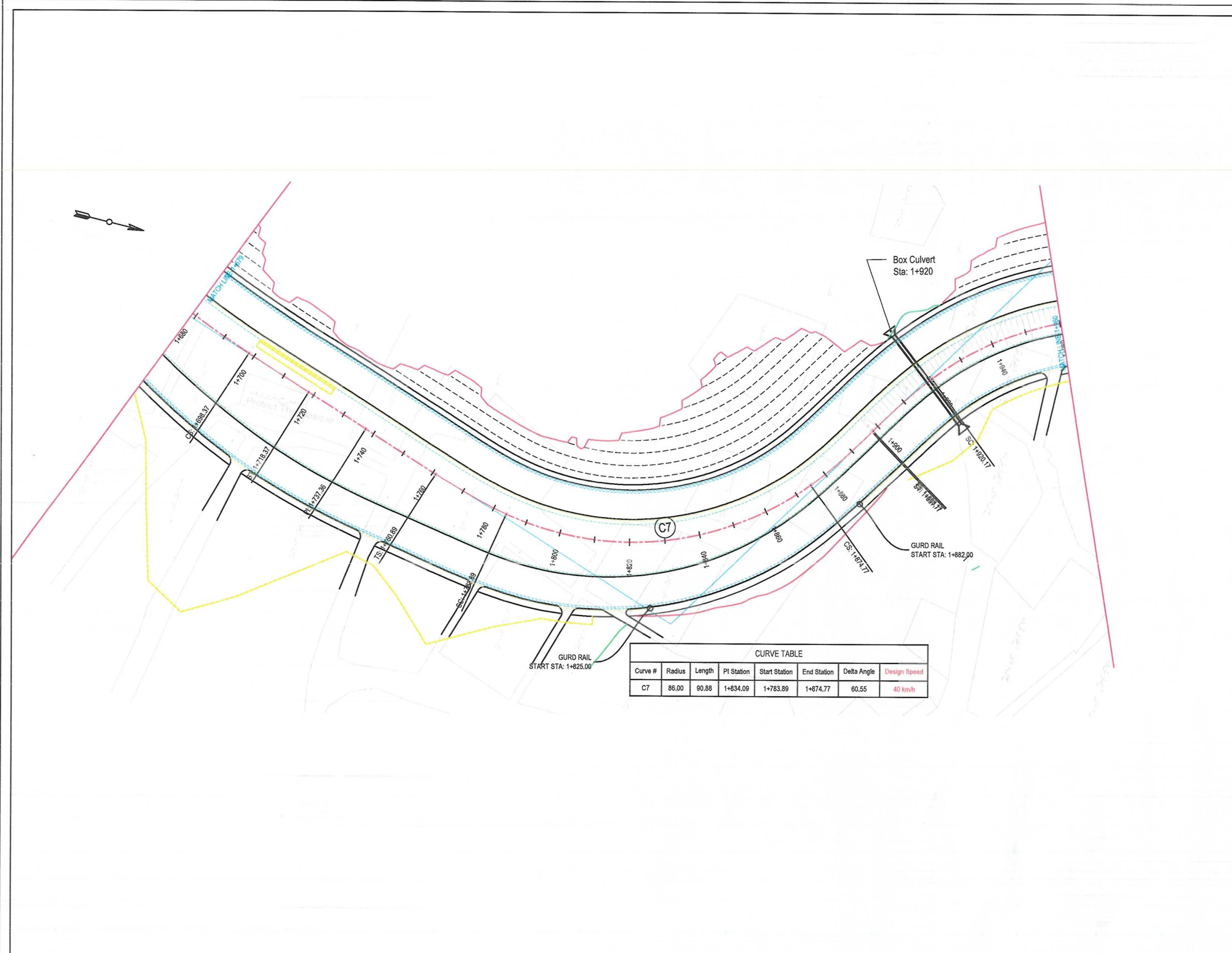
Project Code

SHEET NO.

p& p. (5)

Revision

01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C7	86.00	90.88	1+834.09	1+783.89	1+874.77	60.55

NOTE

1. All dimensions are in millimeter unless otherwise indicated.

URGENTEDS

Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

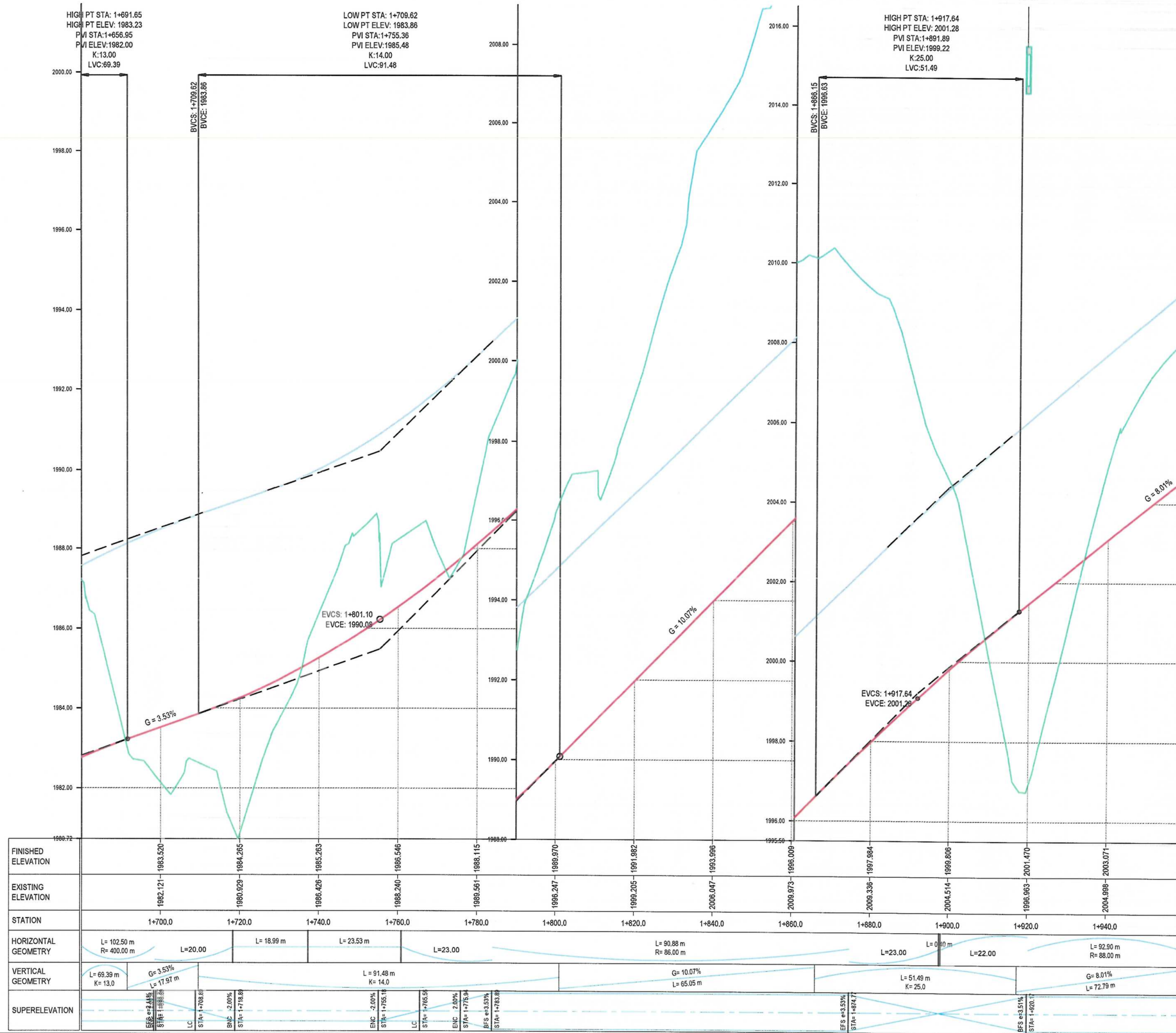
Drawn by:	Signature:
Abdul Hadi	
Designed by:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hasibullah "Shalizi"	
Approved by:	Signature:

Date:	Scale:
9/11/2024	

Status:

Project Code

SHEET NO.	Revision
p& p_ (6)	01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C9	250.00	145.11	2+117.78	2+043.12	2+188.23	40 km/h
C8	88.00	92.90	1+971.47	1+920.17	2+013.07	40 km/h

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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

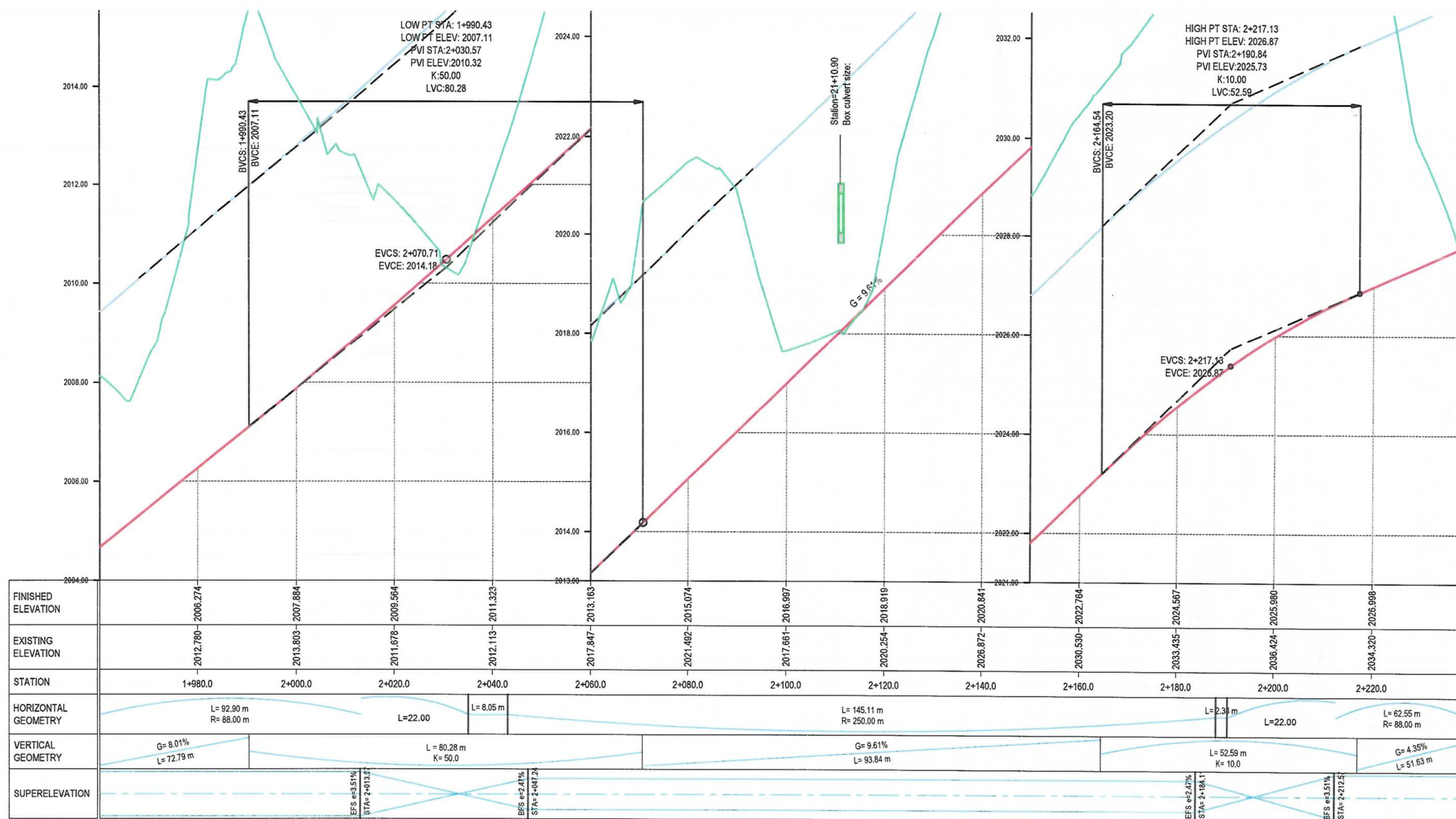
Drawn by: Abdul Hadi
Designed by: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:

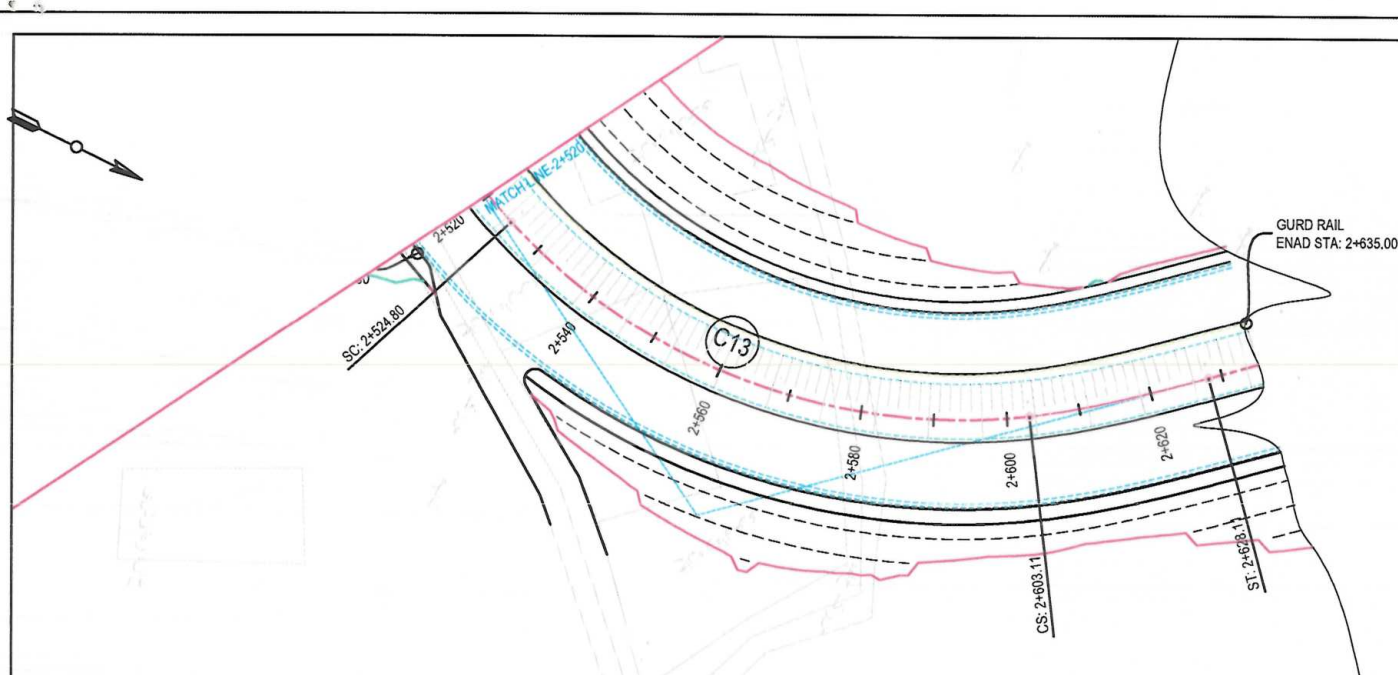
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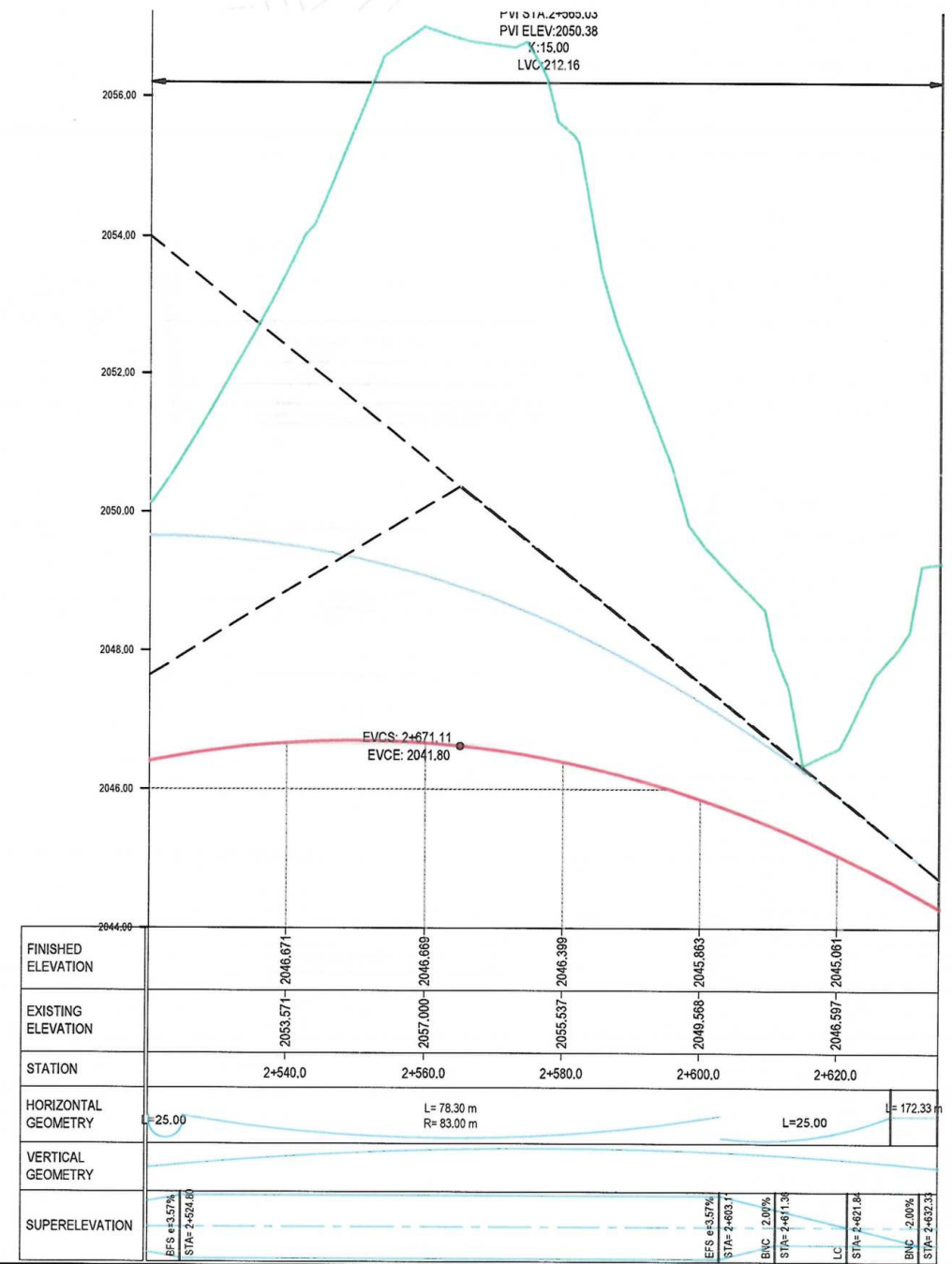
Project Code

SHEET NO. p& p_ (?) Revision 01





CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C13	83.00	78.30	2+567.14	2+524.80	2+603.11	54.05



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

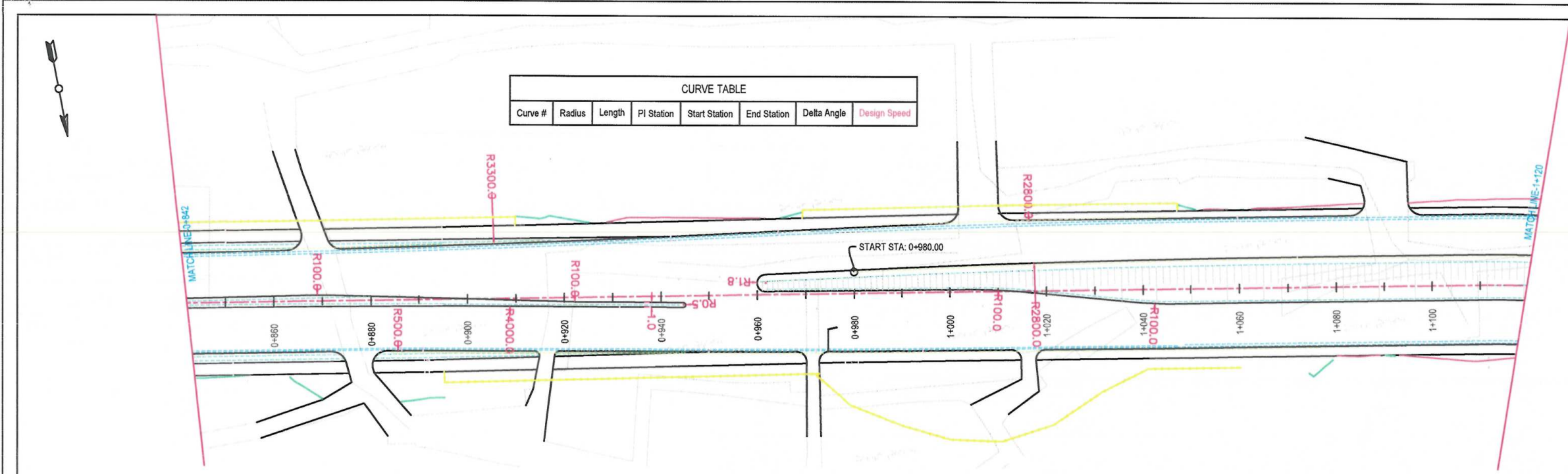
Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Date: 9/11/2024 Scale:

Status:

Project Code:

SHEET NO. Revision



CURVE TABLE							
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle	Design Speed

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

- LEGENDS
- RETAINING WALL
 - CUTTING
 - FILLING
 - GREEN AREA



Rev.	Date	Revision Details	Drawn	Chkd	Appd.
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

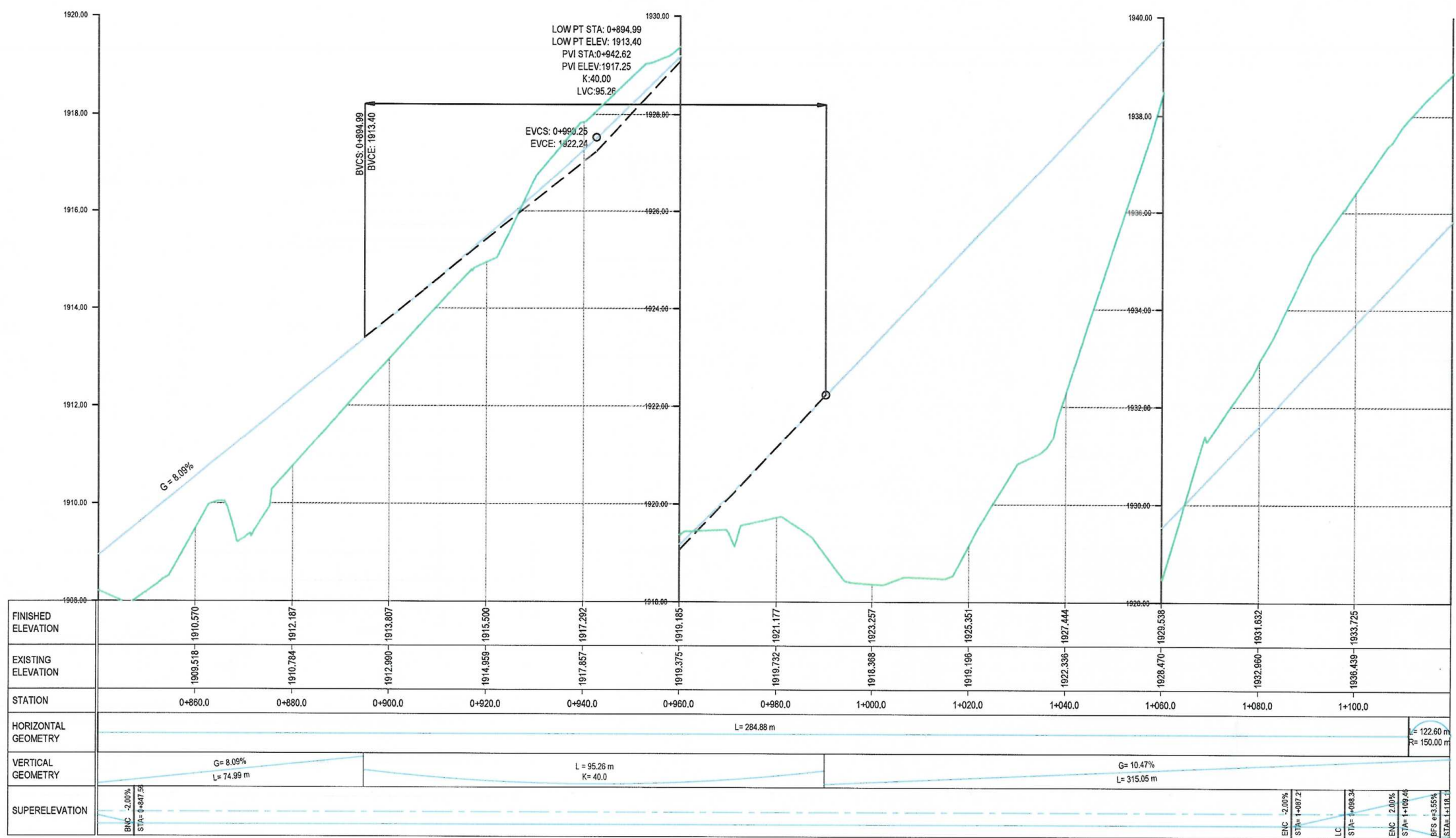
Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:


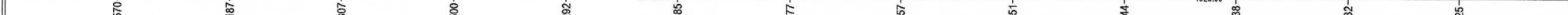
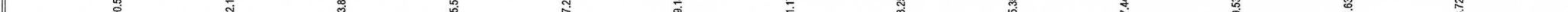
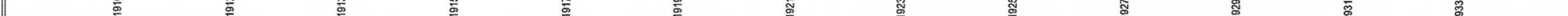
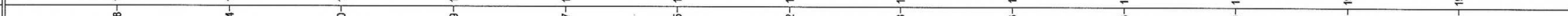
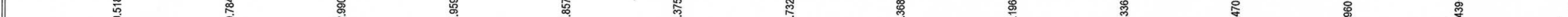
Date: 9/11/2024 Scale:

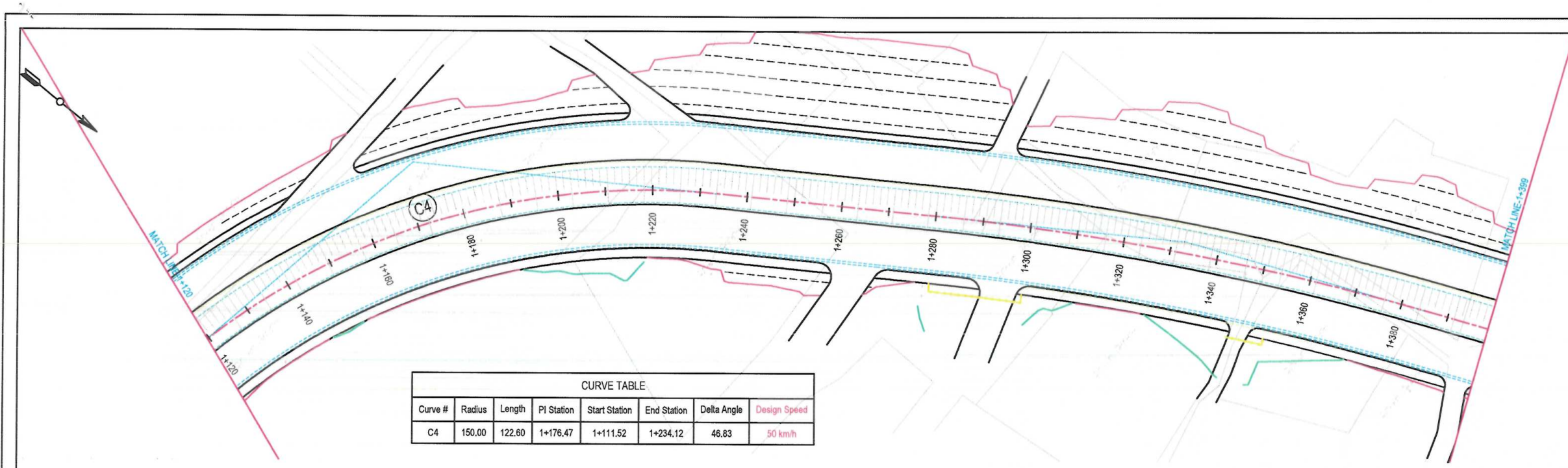
Status:

Project Code:

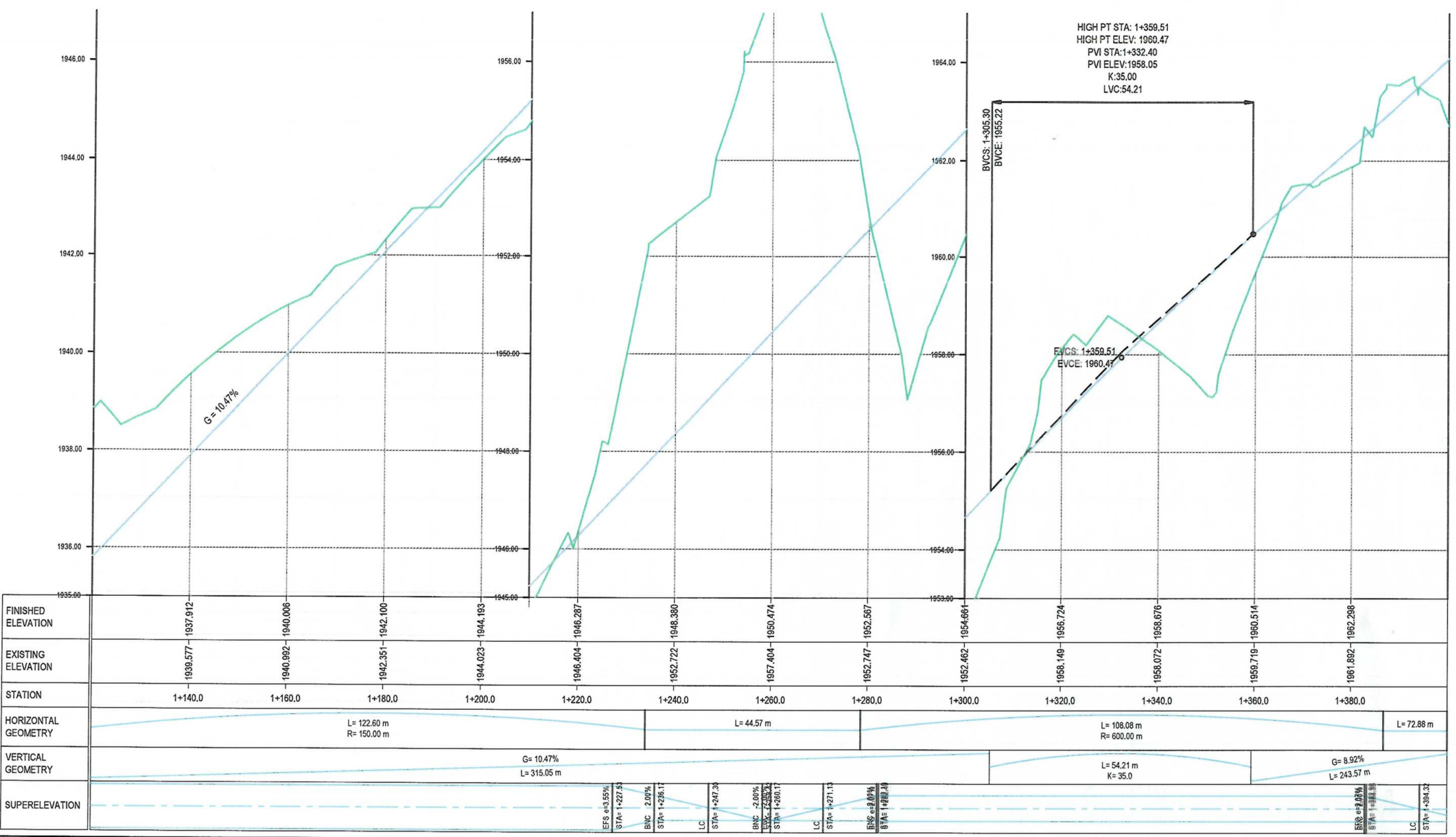
SHEET NO. p& p_u (3-Left Pro) Revision: 01



FINISHED ELEVATION														
EXISTING ELEVATION														
STATION														
HORIZONTAL GEOMETRY														
VERTICAL GEOMETRY														
SUPERELEVATION														



CURVE TABLE							
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle	Design Speed
C4	150.00	122.60	1+176.47	1+111.52	1+234.12	46.83	50 km/h



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by:	Signature:
Abdul Hadi	
Designed by:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hassibullah "Shahzad"	
Approved by:	Signature:

Date: 9/11/2024 Scale:

Status:

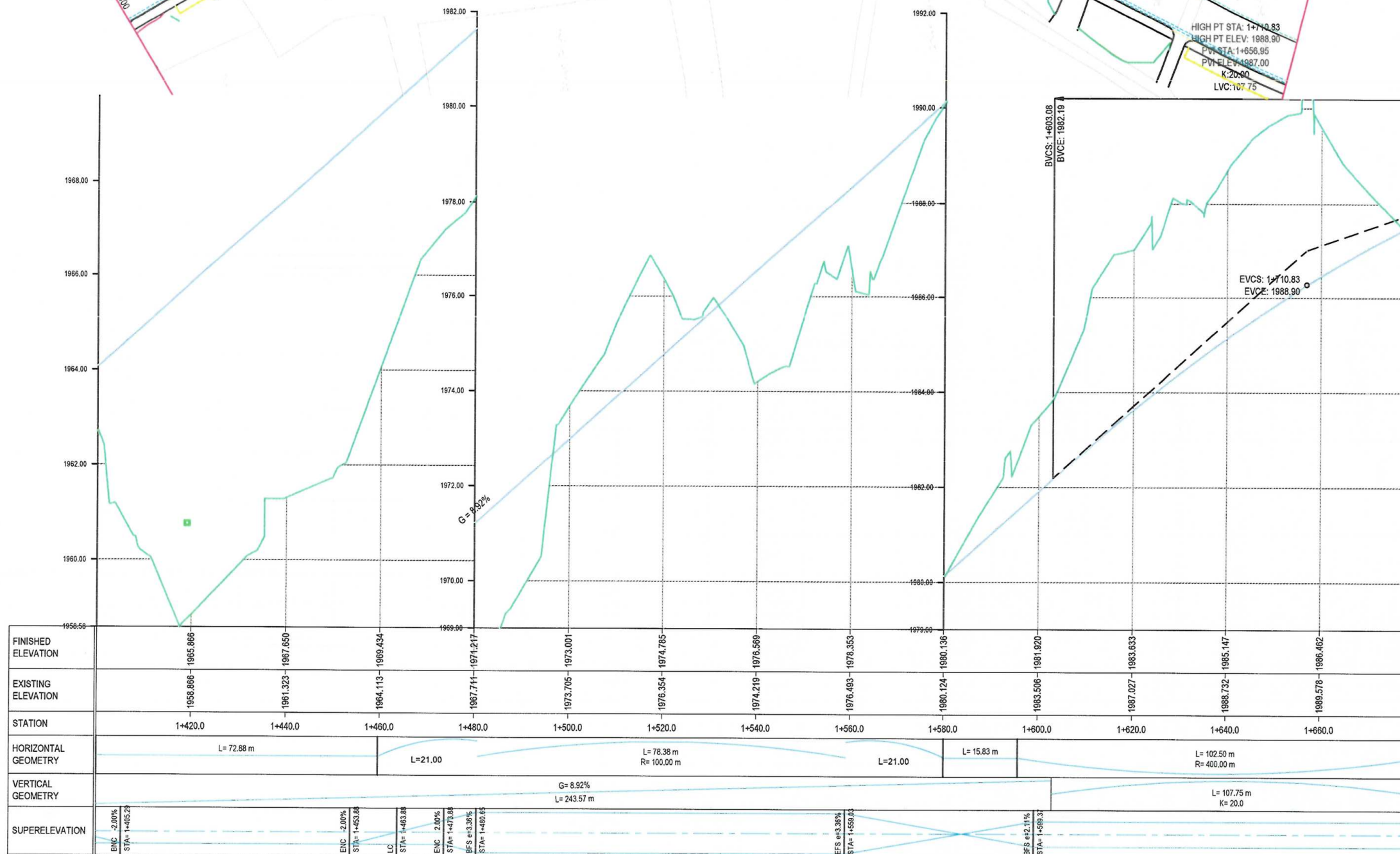
Project Code

SHEET NO.

Revision

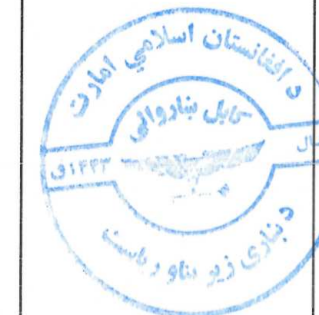
p& p_ (4-Left Pro) 01

CURVE TABLE							
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle	Design Speed
C5	100.00	78.38	1+521.98	1+480.65	1+559.03	44.91	40 km/h
C6	400.00	102.50	1+647.40	1+595.86	1+698.37	14.68	40 km/h



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

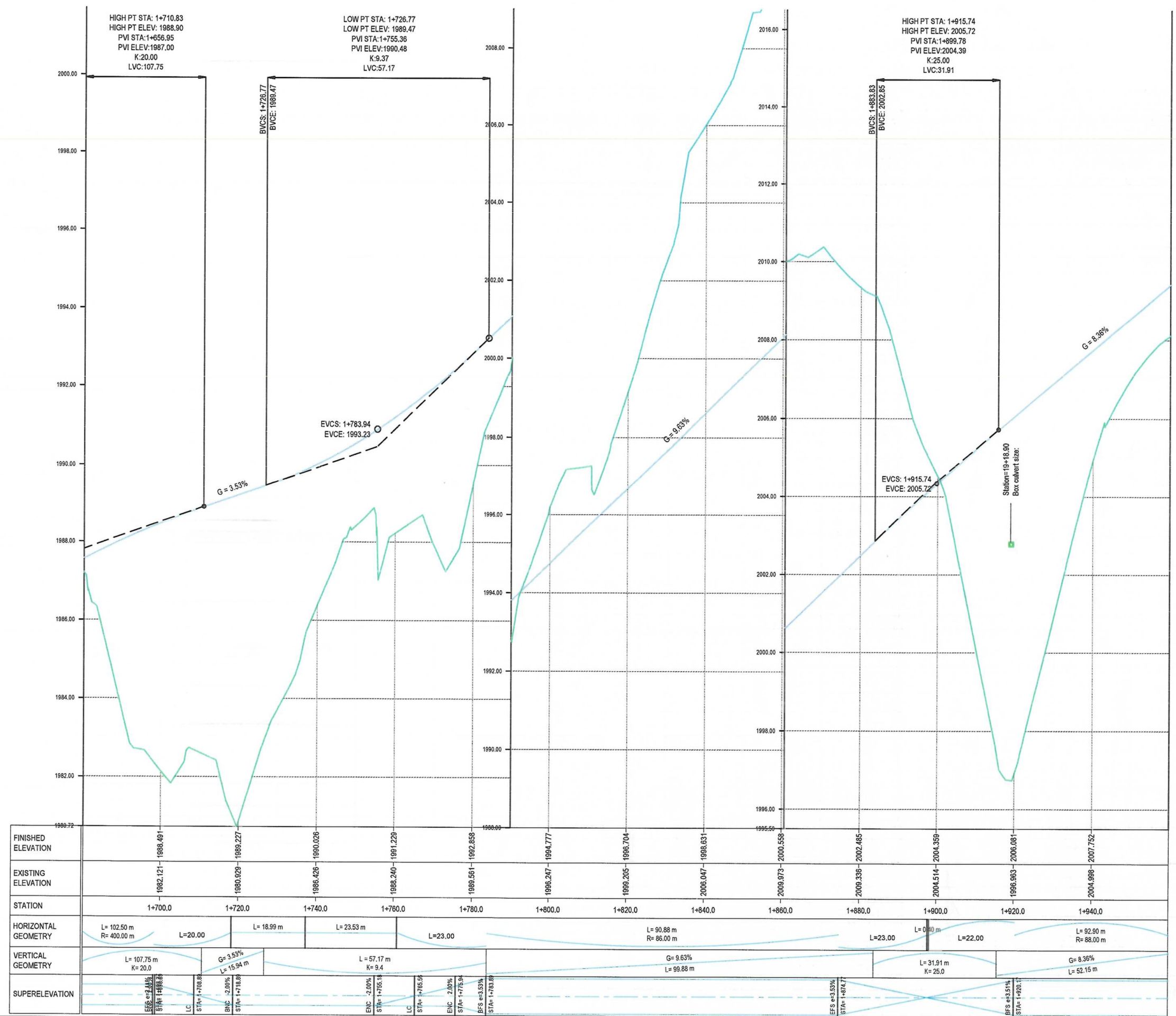
Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Date: 9/11/2024 Scale:

Status:

Project Code:

SHEET NO. p& p (S-Left Pro) 01



FINISHED ELEVATION	1989.72	1982.121	1988.401	1980.227	1980.026	1988.240	1991.229	1992.858	1994.777	1996.704	1998.631	2000.558	2002.485	2004.359	2006.081	2007.752
EXISTING ELEVATION																
STATION		1+700.0	1+720.0	1+740.0	1+760.0	1+780.0	1+800.0	1+820.0	1+840.0	1+860.0	1+880.0	1+900.0	1+920.0	1+940.0		
HORIZONTAL GEOMETRY		L= 102.50 m R= 400.00 m	L= 20.00	L= 18.99 m	L= 23.53 m	L= 23.00		L= 90.88 m R= 86.00 m		L= 23.00	L= 0.00 m	L= 22.00	L= 92.90 m R= 88.00 m			
VERTICAL GEOMETRY		L= 107.75 m K= 20.0	G= 3.53% L= 15.94 m		L= 57.17 m K= 9.4		G= 9.63% L= 99.88 m		L= 31.91 m K= 25.0		G= 8.36% L= 92.15 m					
SUPERELEVATION		Left = -2.41% Right = 2.41%	LC	ST/A= 1+708.8	ENC= -2.00% ST/A= 1+718.88	LC	ST/A= 1+775.94	ENC= -2.00% ST/A= 1+783.88	LC	ST/A= 1+874.77	ENC= -2.00% ST/A= 1+883.83	LC	ST/A= 1+920.1	ENC= -2.00% ST/A= 1+920.1		

NOTE

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

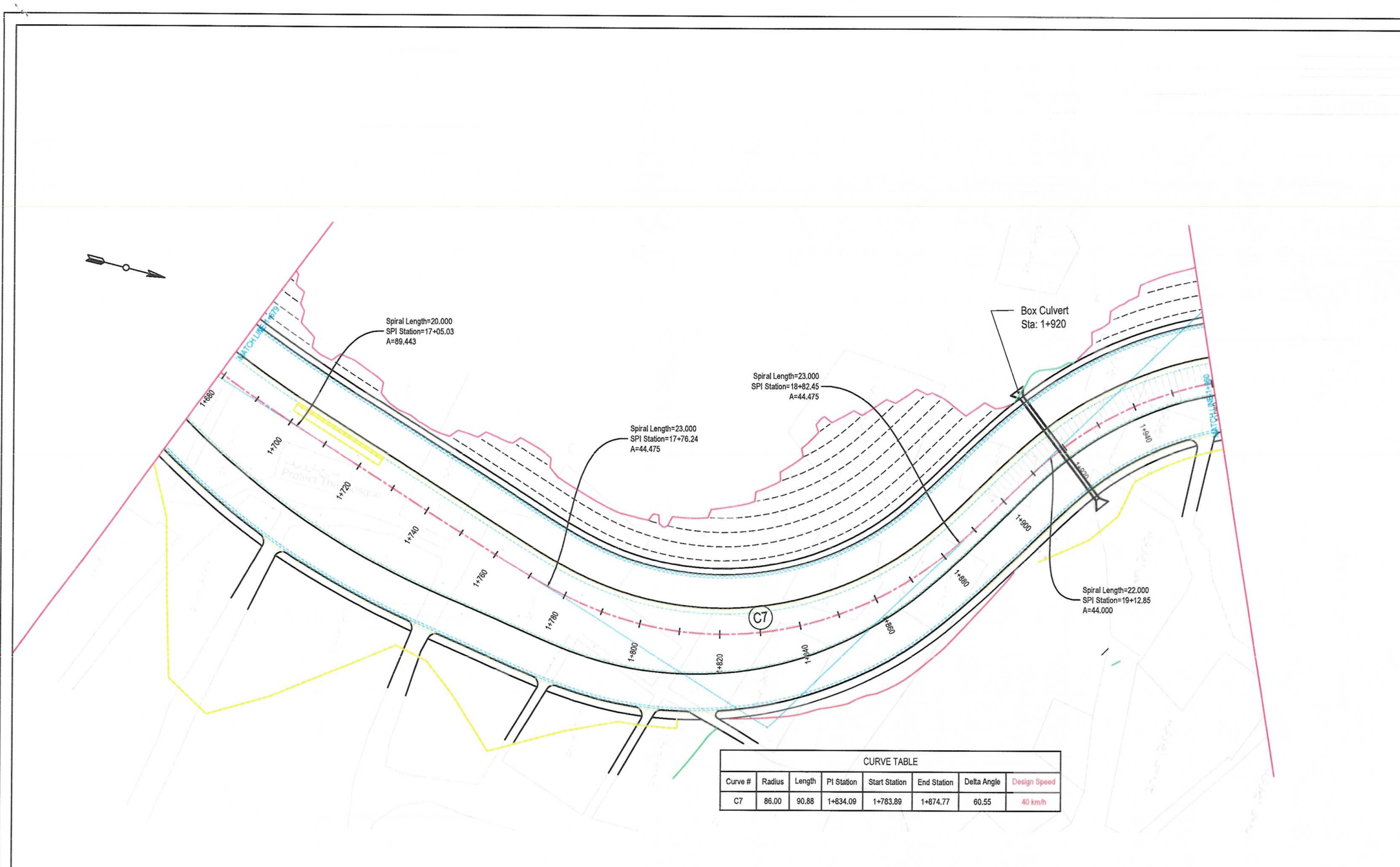
Drawn by:	Signature:
Abdul Hadi	
Designed by:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hasibullah "Shahzad"	
Approved by:	Signature:

Date:	9/11/2024	Scale:	
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Status:

Project Code

SHEET NO.	Revision
p & p_ (sa-Left Pro)	01



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C7	86.00	90.88	1+834.09	1+783.89	1+874.77	40 km/h

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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

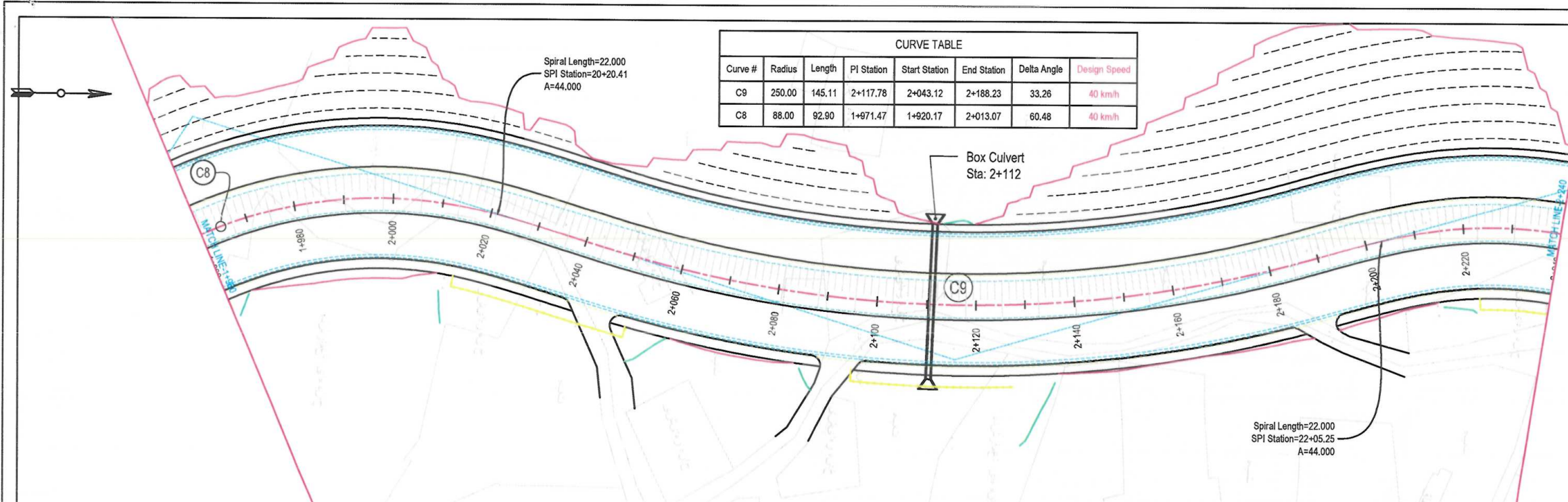
Drawn by: Abdul Hadi	Signature: 
Designed by: Abdul Hadi	Signature: 
Reviewed by: Hasibullah "Shalzy"	Signature: 
Approved by:	Signature:

Date: 9/11/2024	Scale:
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Status:

Project Code:

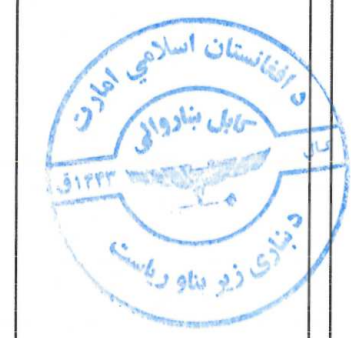
SHEET NO. p& p_ (6-Left Pro)	Revision 01
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CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C9	250.00	145.11	2+117.78	2+043.12	2+188.23	40 km/h
C8	88.00	92.90	1+971.47	1+920.17	2+013.07	40 km/h

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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Stalazy"	Signature:
Approved by:	Signature:

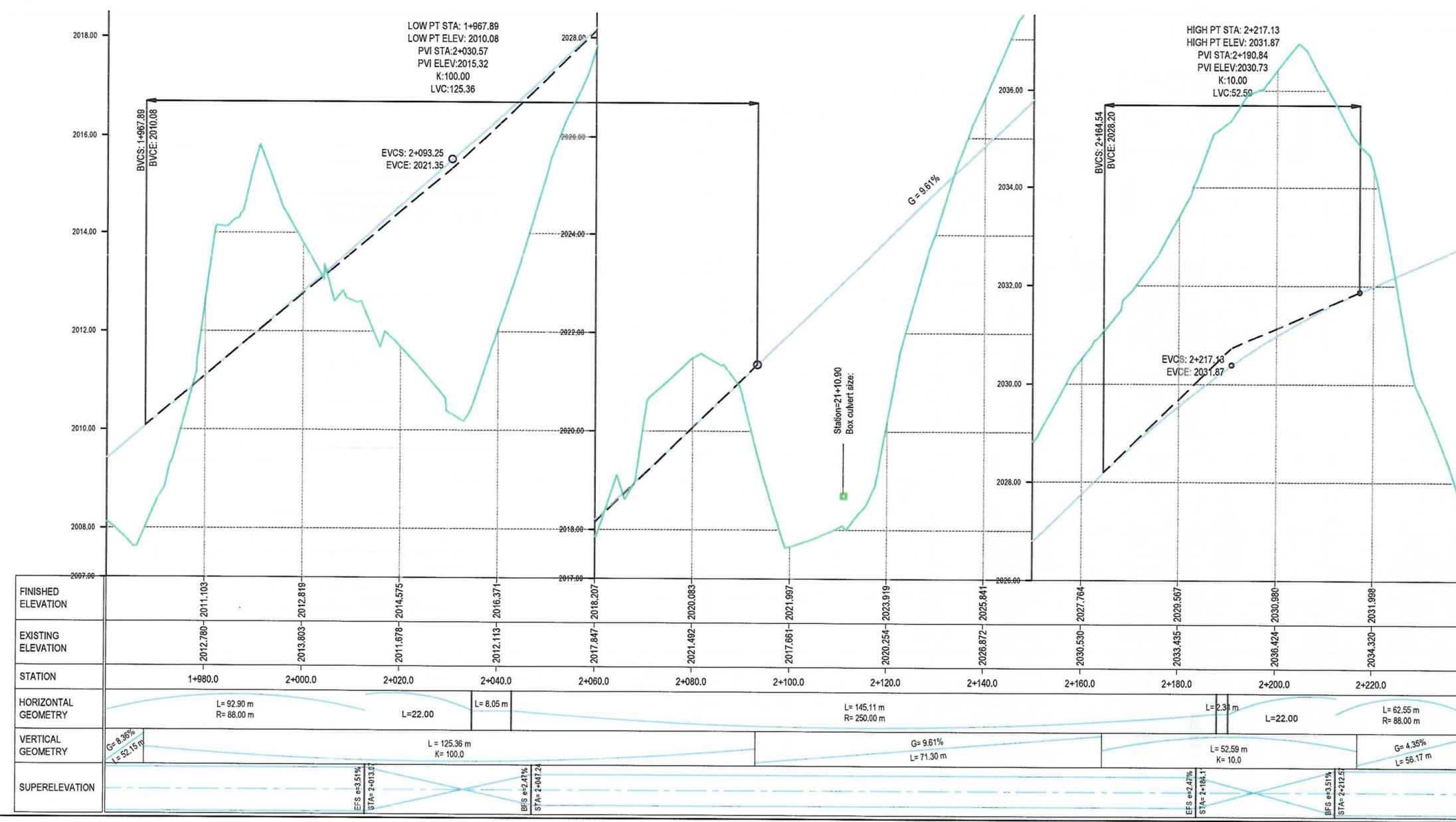
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Status:

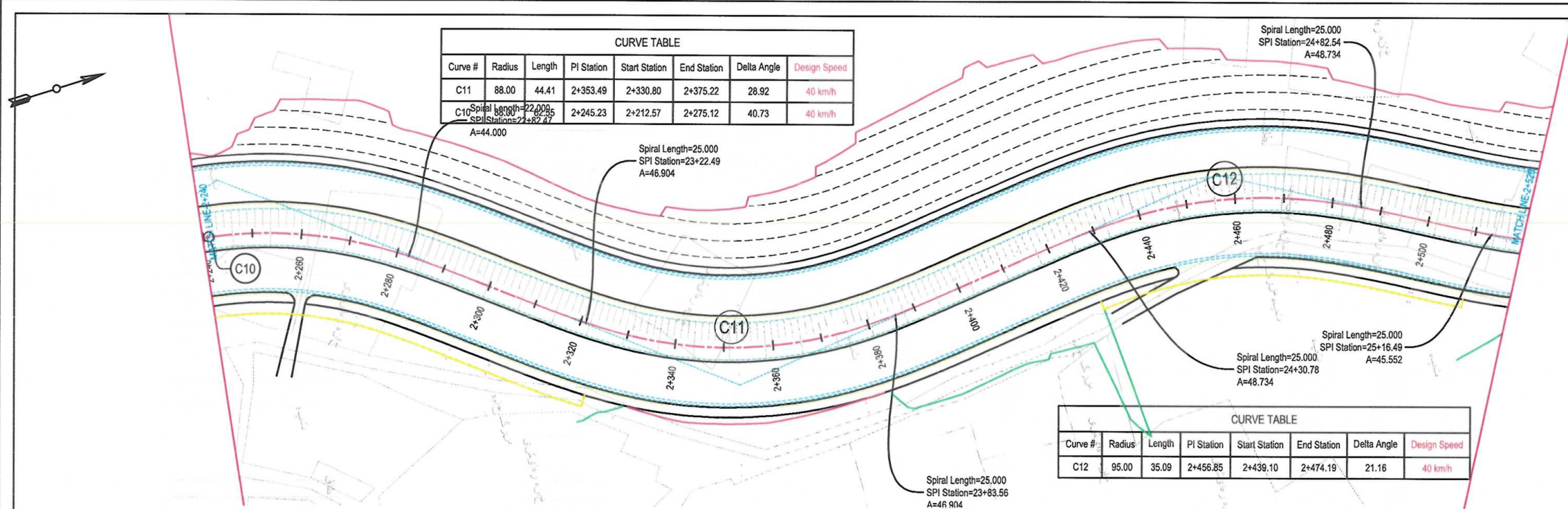
Project Code:

SHEET NO. Revision

p& p... (7-Left Pro)) 01

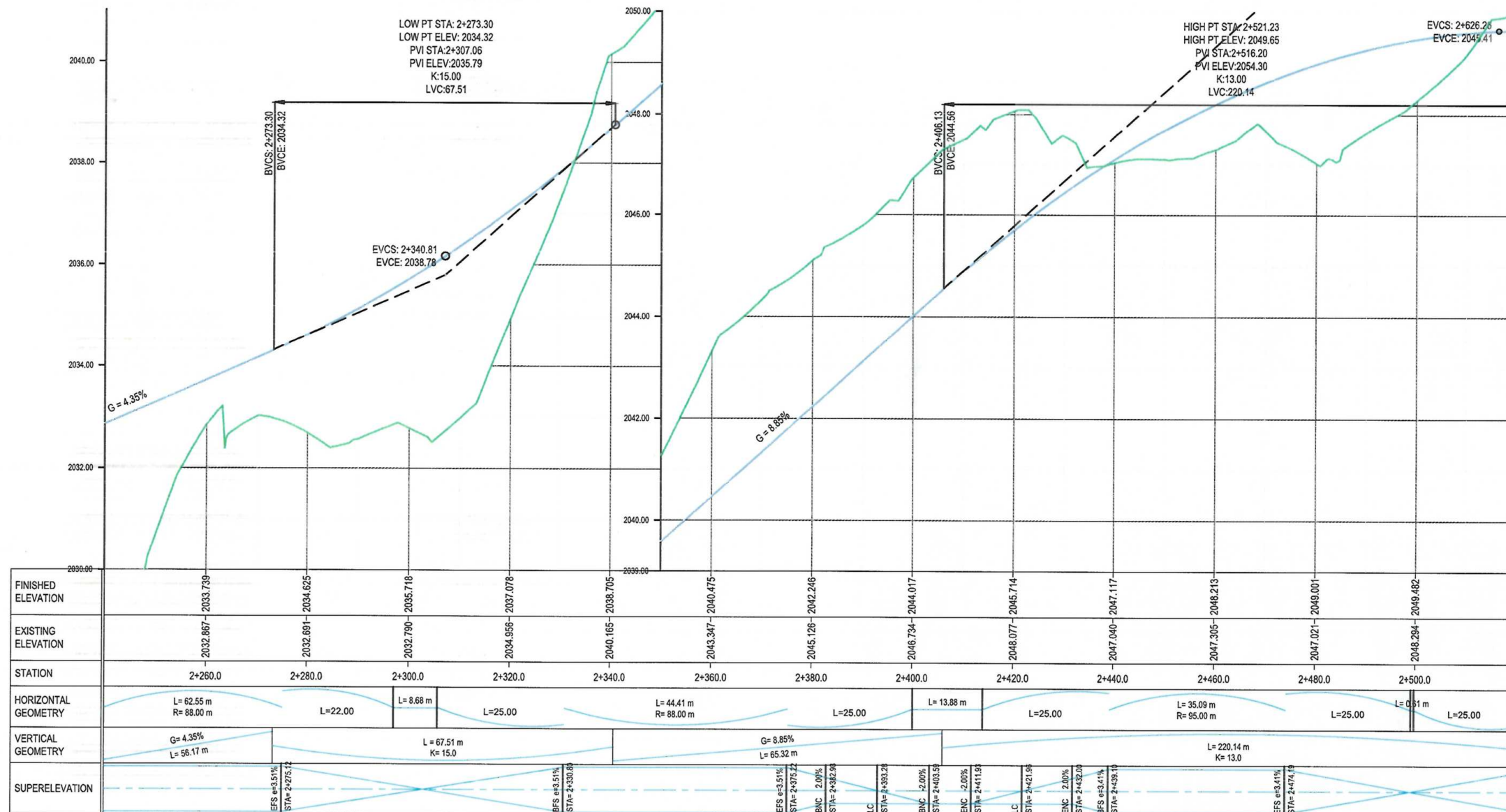


FINISHED ELEVATION	2012.780	2011.103	2012.819	2014.575	2016.371	2018.207	2020.083	2021.997	2023.919	2025.841	2027.764	2029.667	2030.980	2031.988
EXISTING ELEVATION	2012.780	2012.803	2013.803	2014.678	2016.113	2017.847	2021.402	2021.661	2020.254	2026.872	2030.530	2033.435	2036.424	2034.320
STATION	1+980.0	2+000.0	2+020.0	2+040.0	2+060.0	2+080.0	2+100.0	2+120.0	2+140.0	2+160.0	2+180.0	2+200.0	2+220.0	
HORIZONTAL GEOMETRY	L=92.90 m R=88.00 m		L=22.00		L=8.05 m		L=145.11 m R=250.00 m		L=2.38 m		L=22.00		L=62.55 m R=88.00 m	
VERTICAL GEOMETRY	G=8.38% L=52.15 m		L=125.36 m K=100.0		G=9.61% L=71.30 m		G=4.35% L=56.17 m							
SUPERELEVATION	EFS e=3.51% STA=2+013.27		BFS e=2.47% STA=2+047.24				EFS e=3.51% STA=2+184.1							



CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C11	88.00	44.41	2+353.49	2+330.80	2+375.22	28.92
C10	88.00	44.41	2+245.23	2+212.57	2+275.12	40.73

CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Delta Angle
C12	95.00	35.09	2+456.85	2+439.10	2+474.19	21.16



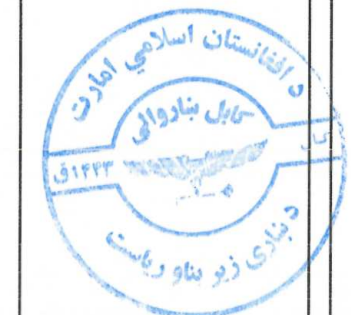
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LOW PT ELEV: 2034.32
PVI STA: 2+307.06
PVI ELEV: 2035.79
K: 15.00
LVC: 67.51

HIGH PT STA: 2+521.23
HIGH PT ELEV: 2049.65
PVI STA: 2+516.20
PVI ELEV: 2054.30
K: 13.00
LVC: 220.14

FINISHED ELEVATION	2033.730		2034.625		2035.710		2037.078		2038.705		2040.715		2042.246		2044.017		2045.714		2047.117		2048.213		2049.001		2049.482	
EXISTING ELEVATION	2032.867		2032.691		2032.790		2034.956		2040.165		2043.347		2045.126		2046.734		2048.077		2047.040		2047.305		2047.021		2048.294	
STATION	2+260.0		2+280.0		2+300.0		2+320.0		2+340.0		2+360.0		2+380.0		2+400.0		2+420.0		2+440.0		2+460.0		2+480.0		2+500.0	
HORIZONTAL GEOMETRY	L= 62.55 m R= 88.00 m		L=22.00		L= 8.68 m		L=25.00		L= 44.41 m R= 88.00 m		L=25.00		L= 13.88 m		L=25.00		L= 35.09 m R= 95.00 m		L=25.00		L=25.00		L= 0.51 m		L=25.00	
VERTICAL GEOMETRY	G= 4.35% L= 56.17 m				L= 67.51 m K= 15.0				G= 8.85% L= 65.32 m								L= 220.14 m K= 13.0									
SUPERELEVATION	EFB= +3.51% STA= 2+275.12				EFB= +3.51% STA= 2+330.68				EFB= +3.51% STA= 2+375.22 BNC= 2.00% STA= 2+382.59 LC STA= 2+392.28 BNC= 2.00% STA= 2+403.59 ENC= 2.00% STA= 2+411.93				LC STA= 2+421.96 ENC= 2.00% STA= 2+432.00 EFB= +3.41% STA= 2+439.10				EFB= +3.41% STA= 2+474.63									

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Plan and Profile

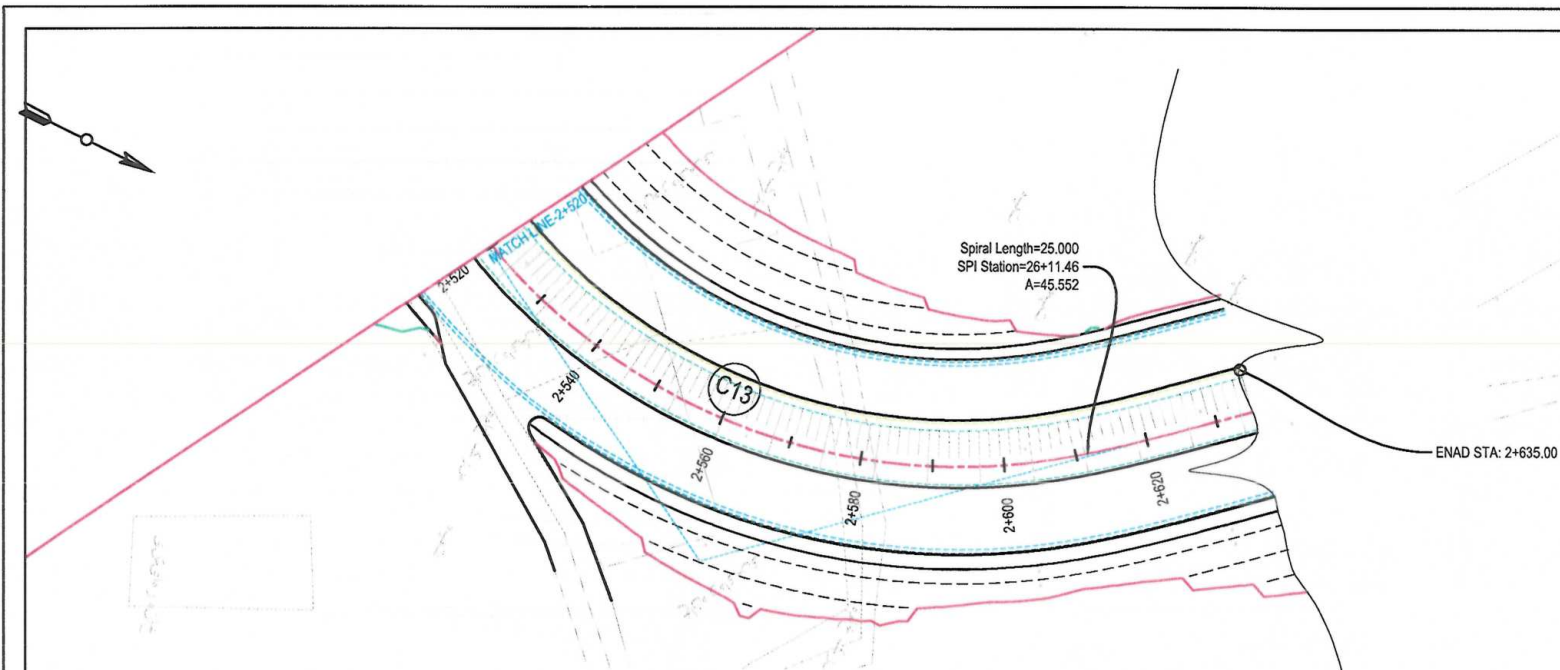
Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Date:
9/11/2024

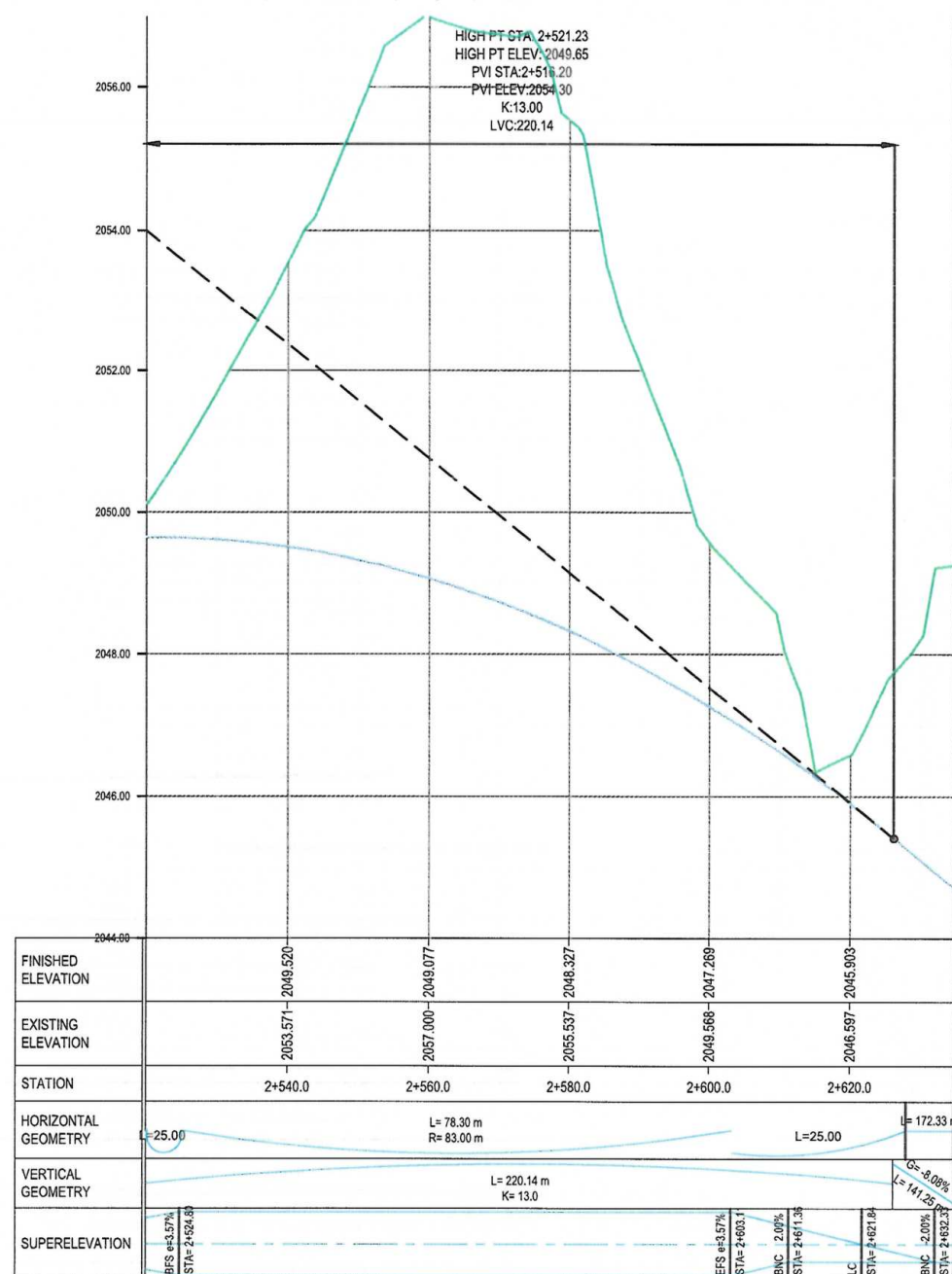
Status:

Project Code

SHEET NO. p& p_ (8-Left Pro)	Revision 01
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CURVE TABLE						
Curve #	Radius	Length	PI Station	Start Station	End Station	Design Speed
C13	83.00	78.30	2+567.14	2+524.80	2+603.11	40 km/h



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

LEGENDS



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Plan and Profile

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by

Signature:

Date:

9/11/2024

Scale:

Status:

Project Code

SHEET NO.

p& p_ (9-Left Pro)

Revision

01

DATUM:
1844.00

FINISHED LEVEL	-19.316- 1847.000-	-18.730- 1847.354-	-15.730- 1847.194-	-10.500- 1847.144-	-9.700- 1847.144-	-1.000- 1847.468-	0.000- 1847.468-	1.000- 1847.468-	10.000- 1847.138-	10.500- 1847.138-	16.000- 1847.138-	19.000- 1847.248-
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GROUND LEVEL	-21.669- 1847.946-	-14.587- 1847.101-	-3.654- 1847.303-	-2.512- 1847.312-	-0.305- 1847.255-	0.000- 1847.270-	0.000- 1847.270-	14.535- 1847.497-	19.077- 1847.411-	20.753- 1847.503-		
OFFSET	-21.669-	-14.587-	-3.654-	-2.512-	-0.305-	0.000-	0.000-	14.535-	19.077-	20.753-		

SCALE: 1/200

STA: 0+000

DATUM:
1844.00

FINISHED LEVEL	-20.332- 1847.439-	-19.813- 1847.434-	-19.406- 1847.452-	-17.977- 1847.475-	-12.633- 1847.705-	-7.589- 1847.792-	-4.770- 1847.870-	-4.252- 1847.881-	-3.554- 1847.883-	-2.670- 1847.883-	-2.075- 1847.894-	0.000- 1847.948-	1.202- 1847.945-	3.493- 1847.923-	3.879- 1847.881-	5.015- 1847.831-	9.508- 1847.888-	10.989- 1847.894-	11.411- 1848.346-	14.390- 1848.300-	16.304- 1848.336-	19.000- 1847.546-	19.357- 1848.381-
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SCALE: 1/200

STA: 0+020

DATUM:
1845.00

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OFFSET	-19.081-	-14.048-	-9.387-	-5.839-	-3.537-	-1.429-	0.000-	2.774-	3.455-	3.784-	5.061-	9.910-	10.000-	10.500-	16.000-	19.000-
GROUND LEVEL	-19.081- 1848.403-	-14.048- 1848.338-	-9.387- 1848.342-	-5.839- 1848.518-	-3.537- 1848.555-	-1.429- 1848.584-	0.000- 1848.616-	2.774- 1848.588-	3.455- 1848.578-	3.784- 1848.591-	5.061- 1848.583-	9.910- 1848.113-	10.000- 1848.345-	10.500- 1848.345-	16.000- 1848.345-	19.000- 1848.555-
OFFSET	-19.081-	-14.048-	-9.387-	-5.839-	-3.537-	-1.429-	0.000-	2.774-	3.455-	3.784-	5.061-	9.910-	10.000-	10.500-	16.000-	19.000-

SCALE: 1/200

STA: 0+040

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi Signature:

Designed: Abdul Hadi Signature:

Reviewed by: Hasibullah "Shalizi" Signature:

Approved by: Signature:

Reviewed: Signature:

Date: 9/14/2024 Scale:

Status:

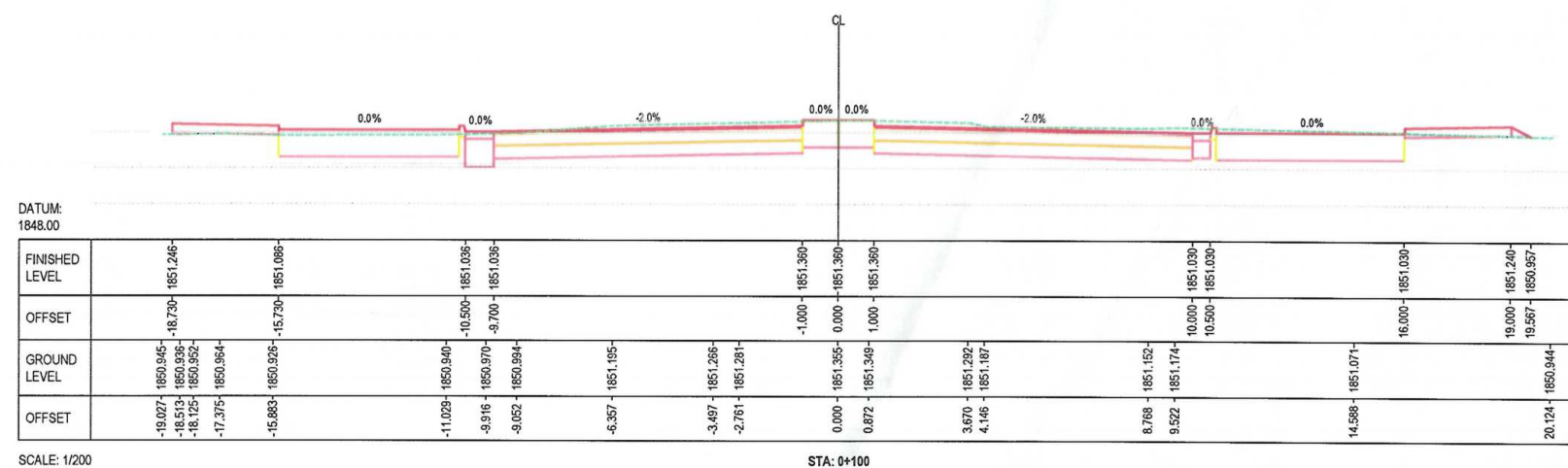
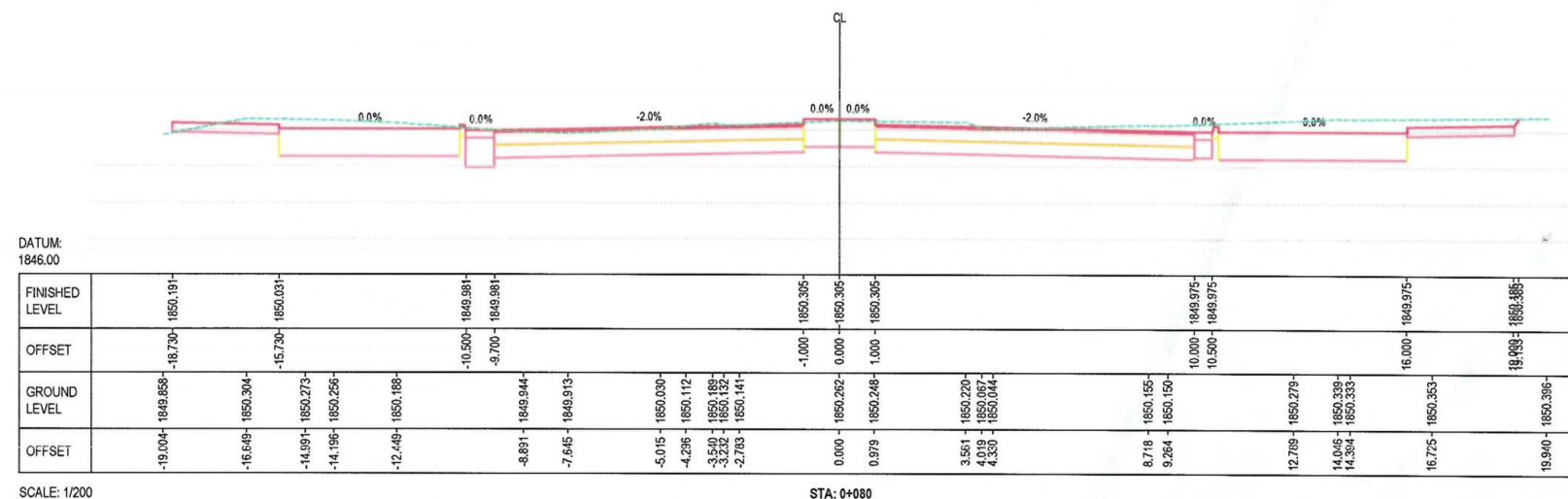
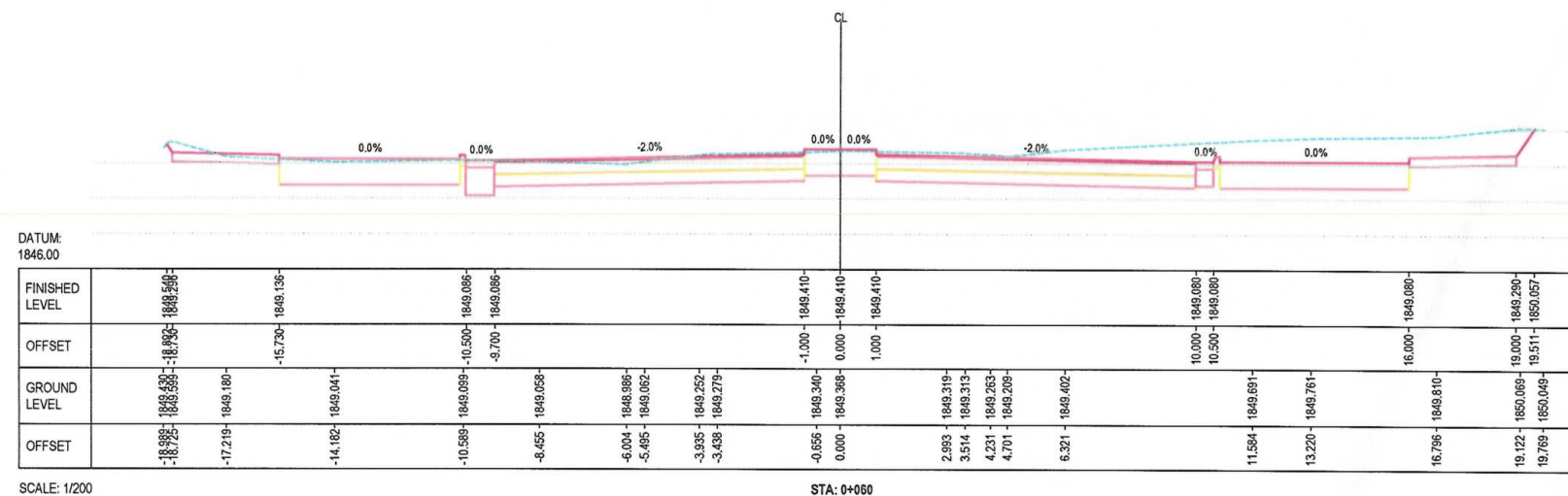
Project Code

SHEET NO.

CS315_ (1)

Revision

01



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

LEGENDS

Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi Signature: [Signature]

Designed: Abdul Hadi Signature: [Signature]

Reviewed by: Habibullah "Shalizi" Signature: [Signature]

Approved by: Signature: [Signature]

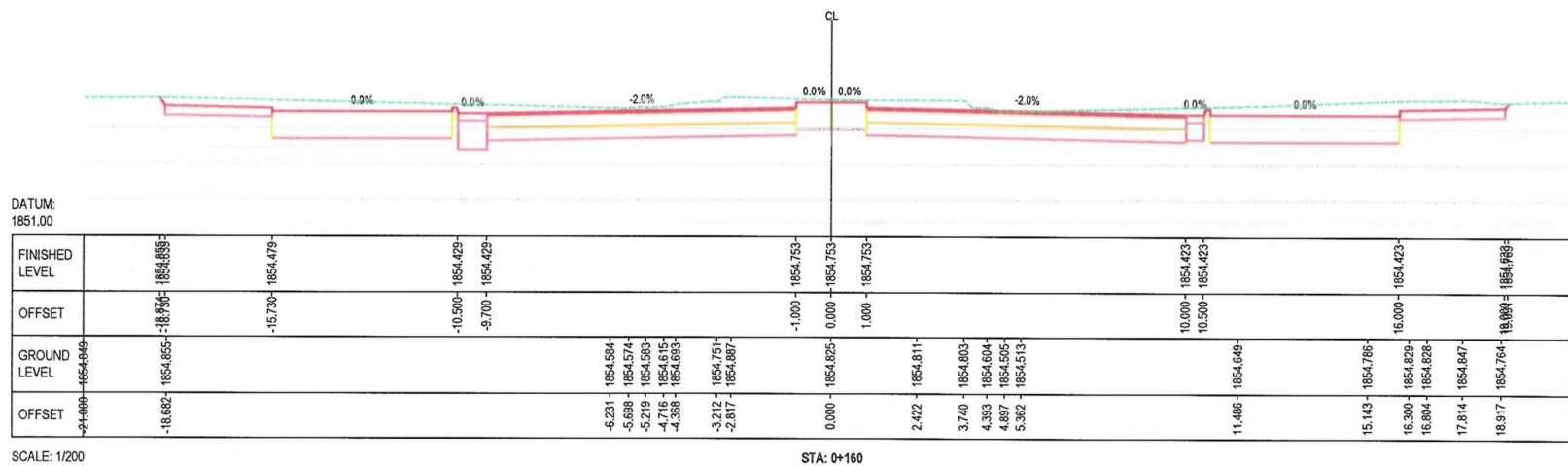
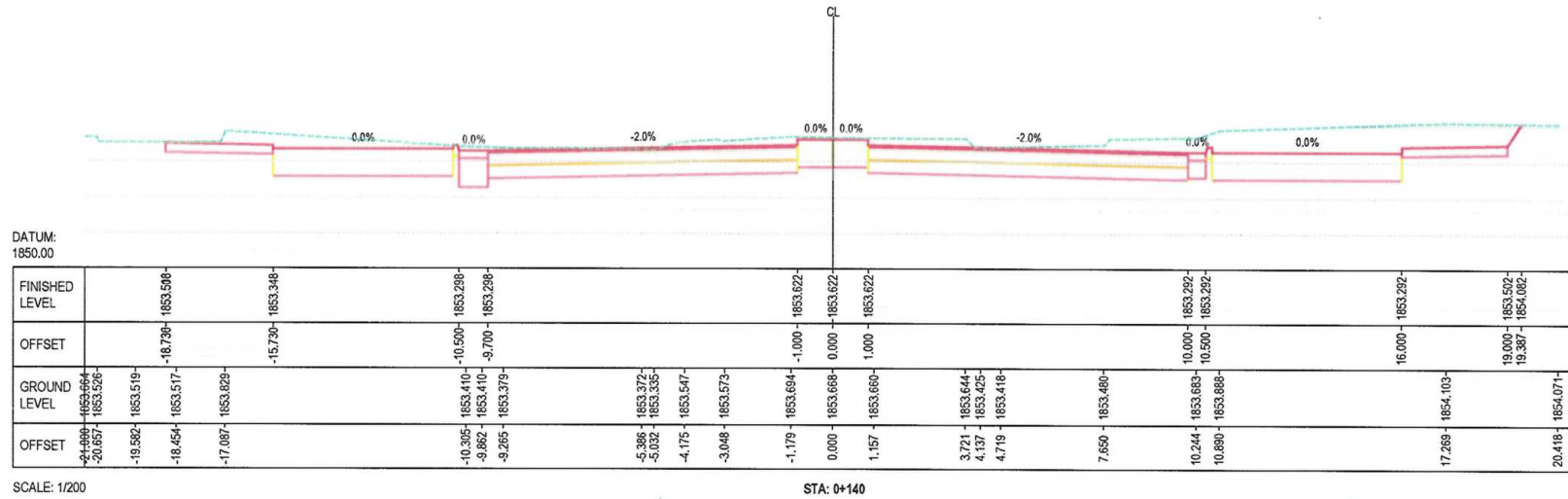
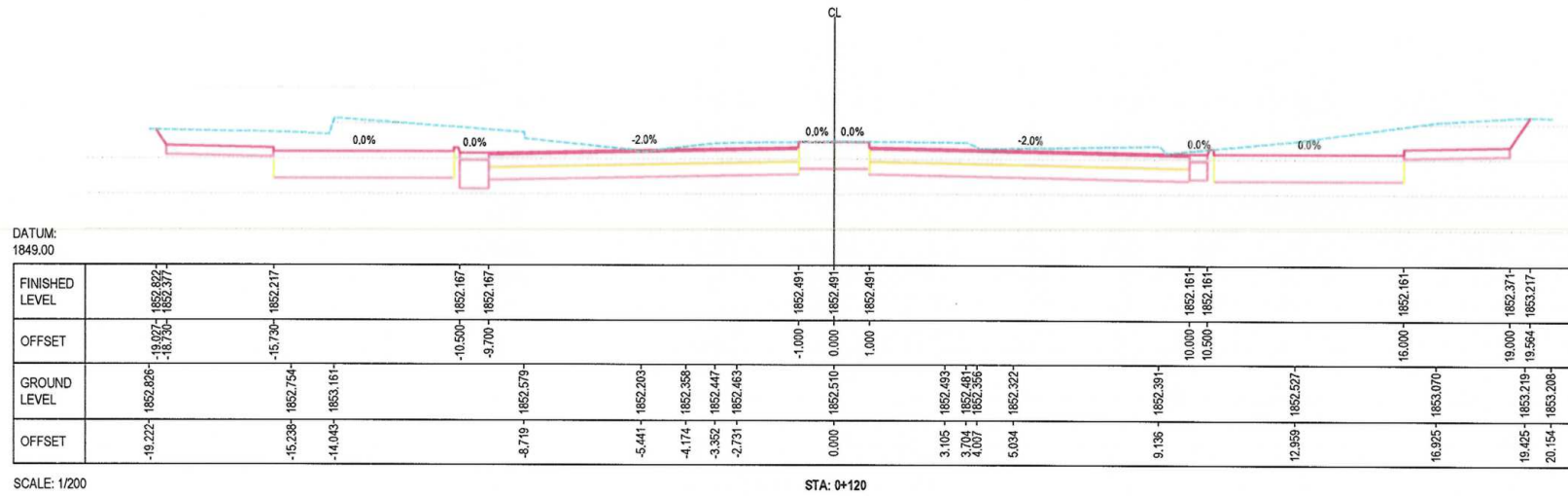
Reviewed:

Date: 9/14/2024 Scale:

Status:

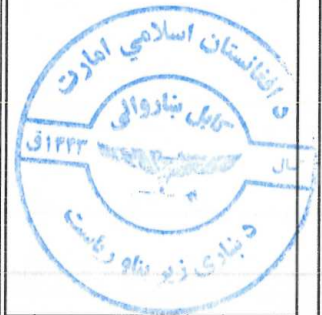
Project Code:

SHEET NO. CS315_ (2) Revision 01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO.
CS315_ (3)

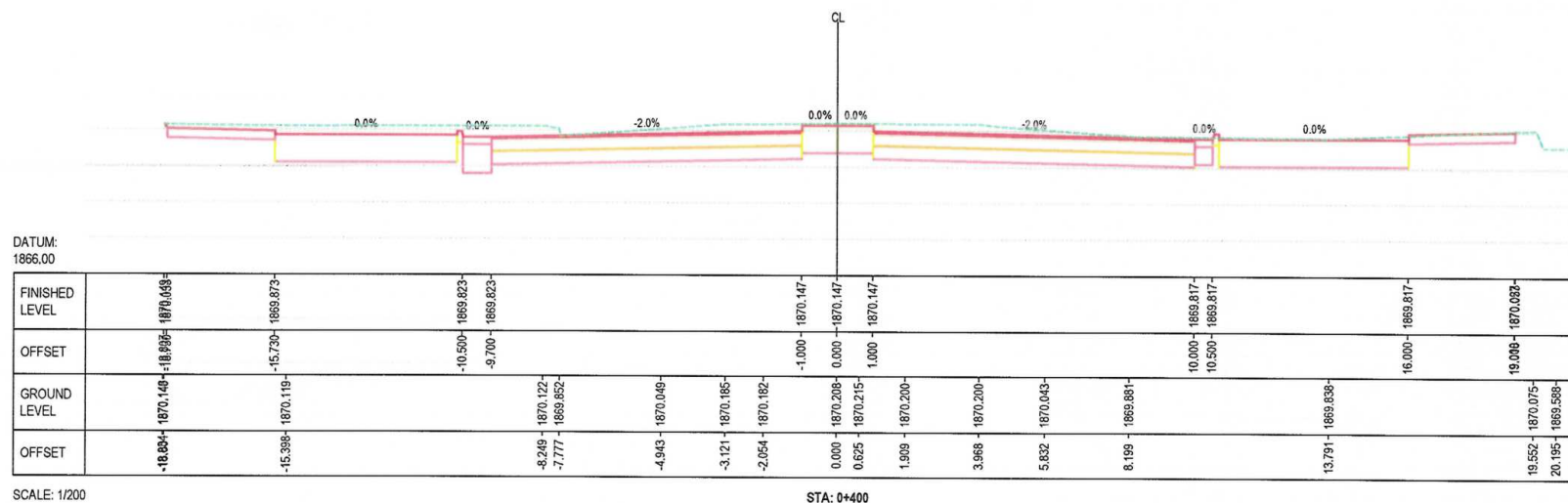
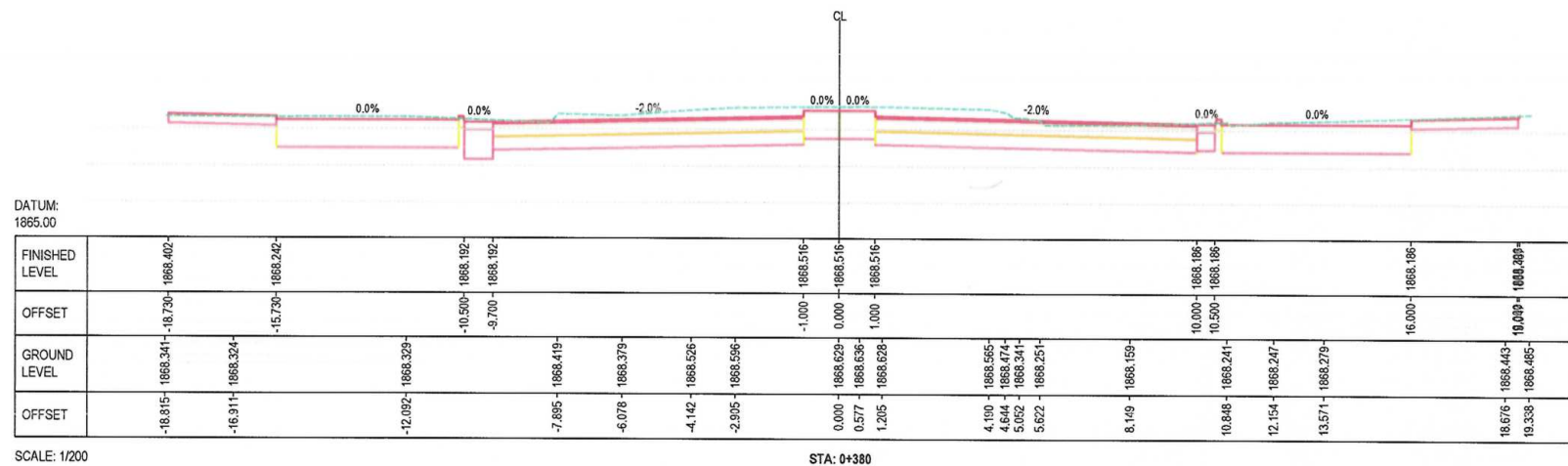
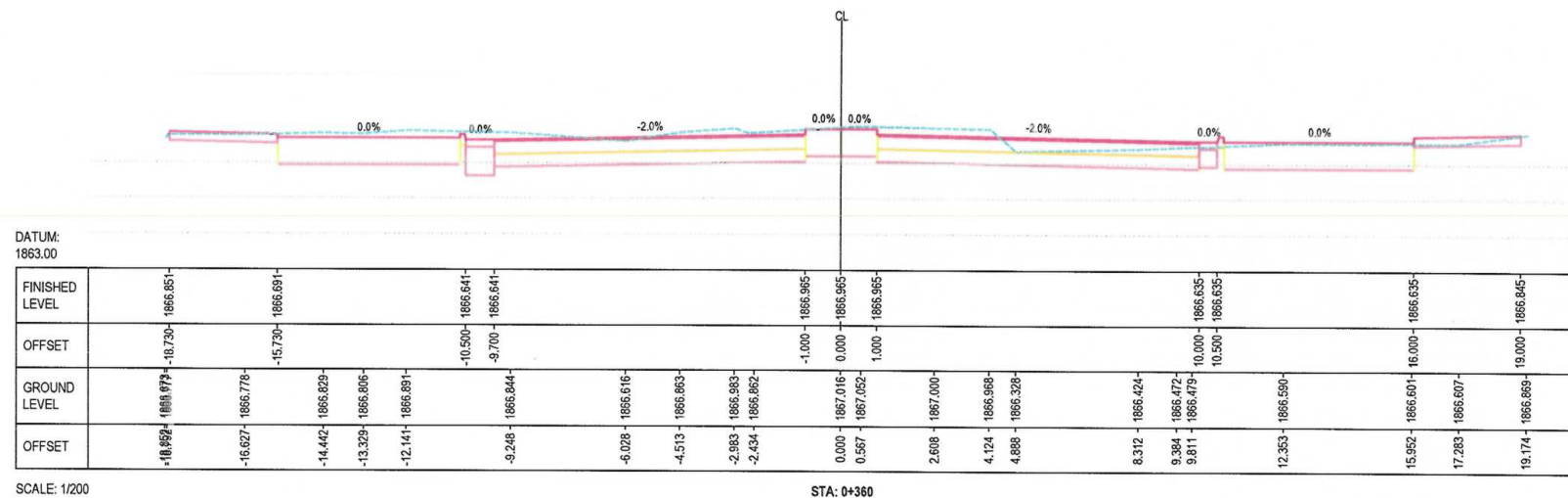
Revision
01



SHEET NO.	Revision
CS315_(4)	01



Status:	
Project Code	
SHEET NO.	Revision
CS315 (6)	01



NOTE:
1 All dimensions are in millimeter unless otherwise indicated

LEGHNEDS



Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi Signature:

Designed: Abdul Hadi Signature:

Reviewed by: Hasibullah "Shahzad" Signature:

Approved by: Signature:

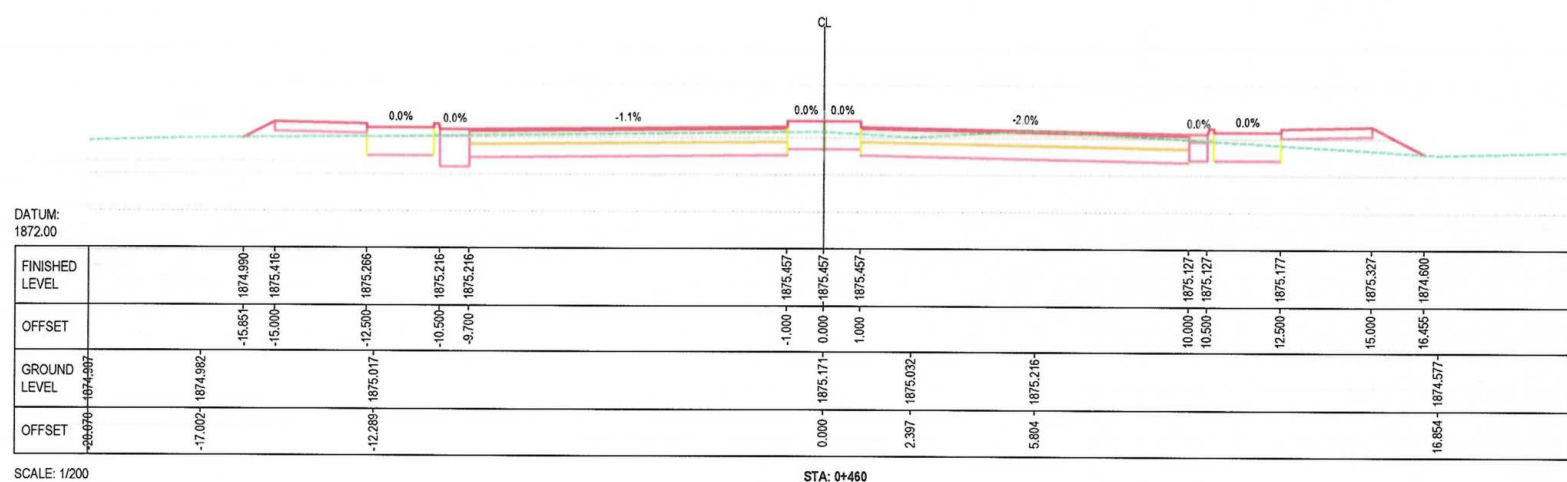
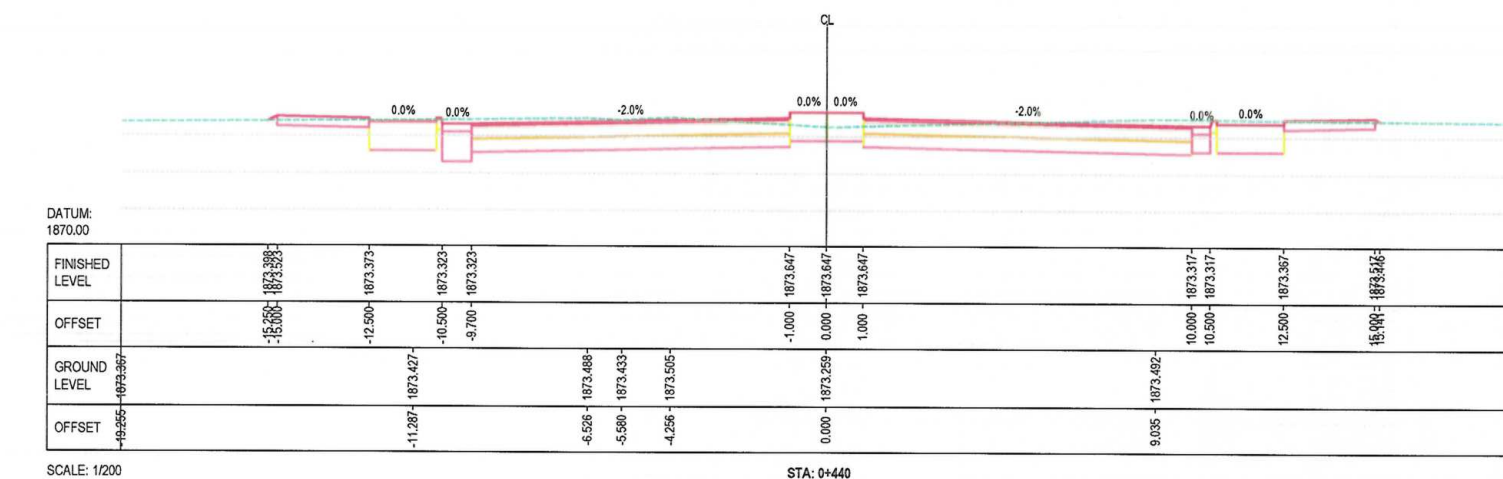
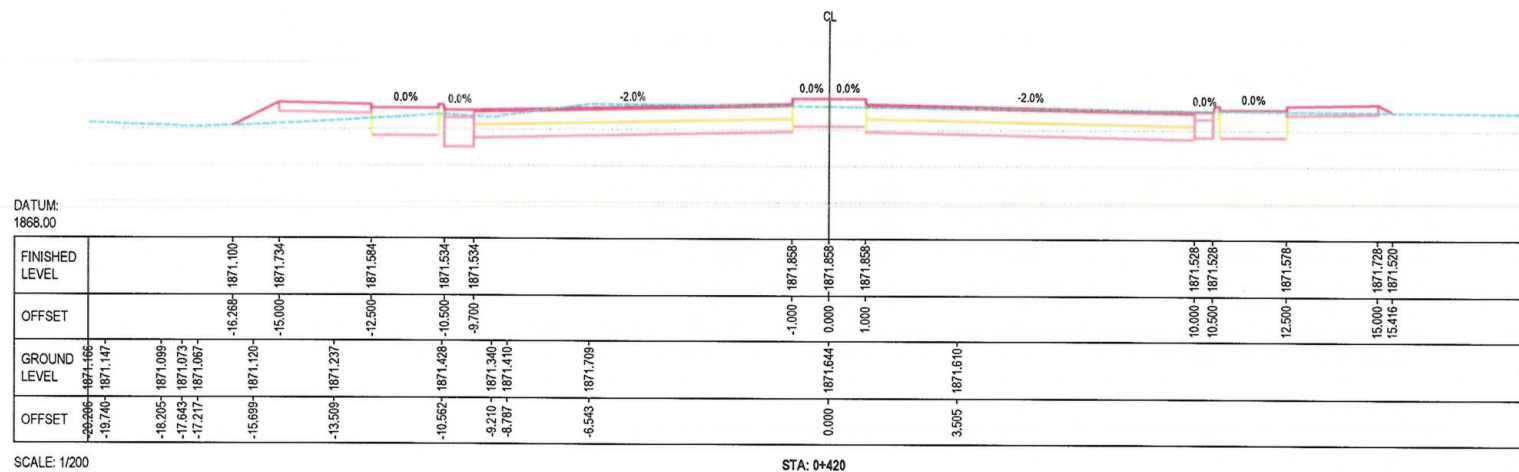
Reviewed:

Date: 9/14/2024 Scale:

Status:

Project Code:

SUBMIT NO. CS315_ (7) Revision: 01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

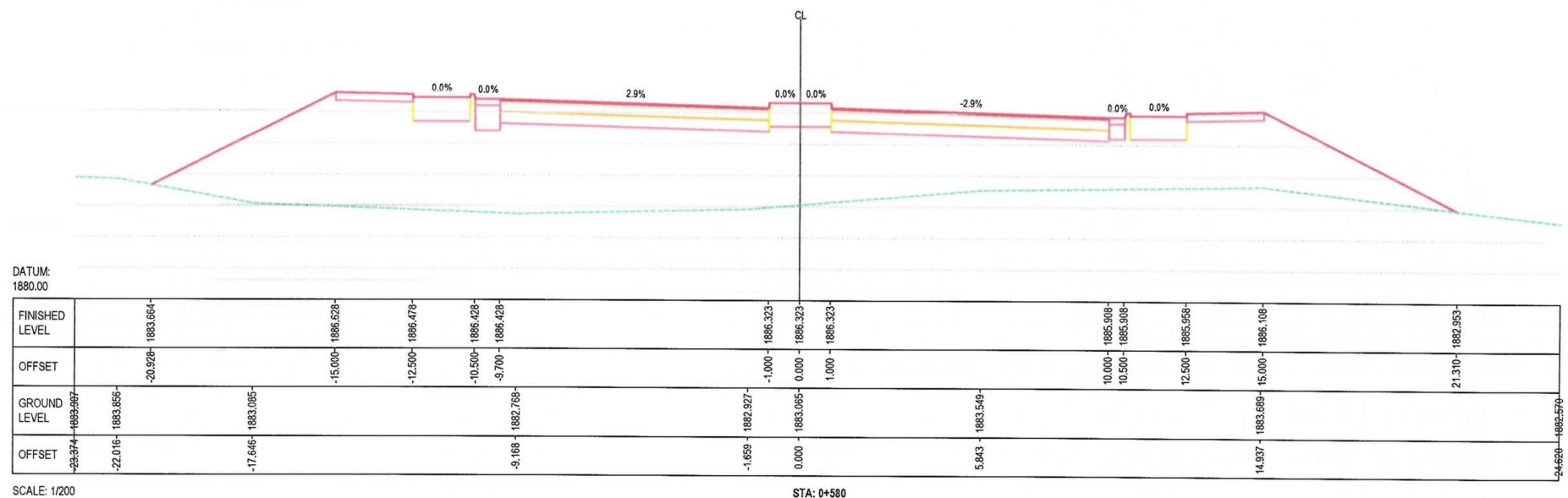
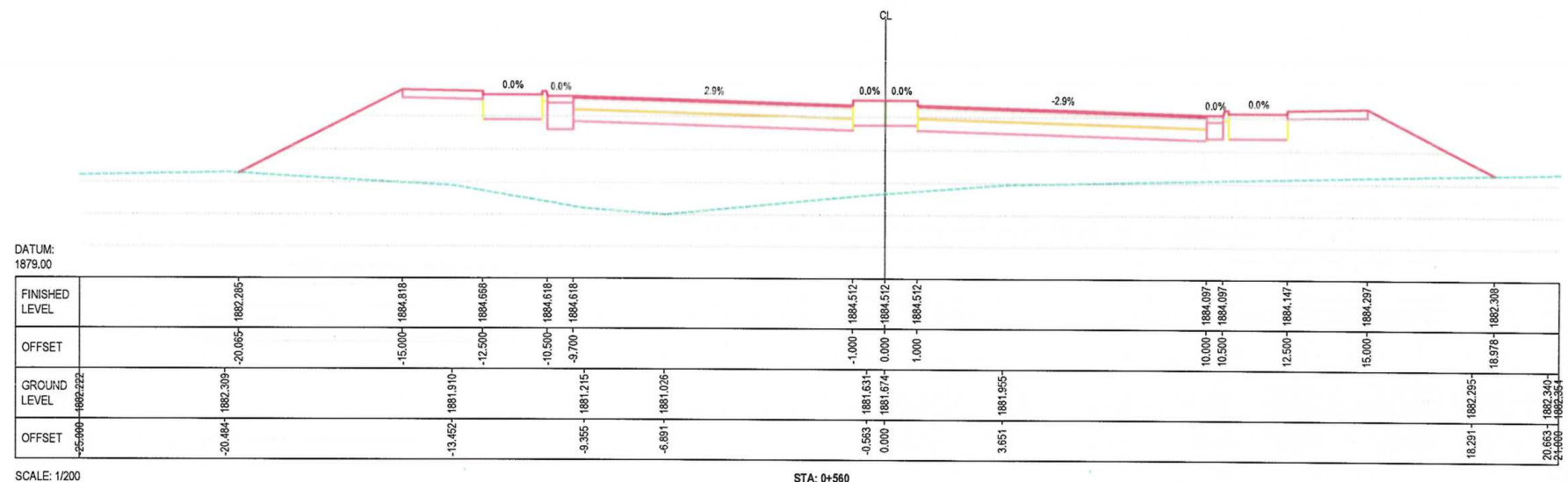
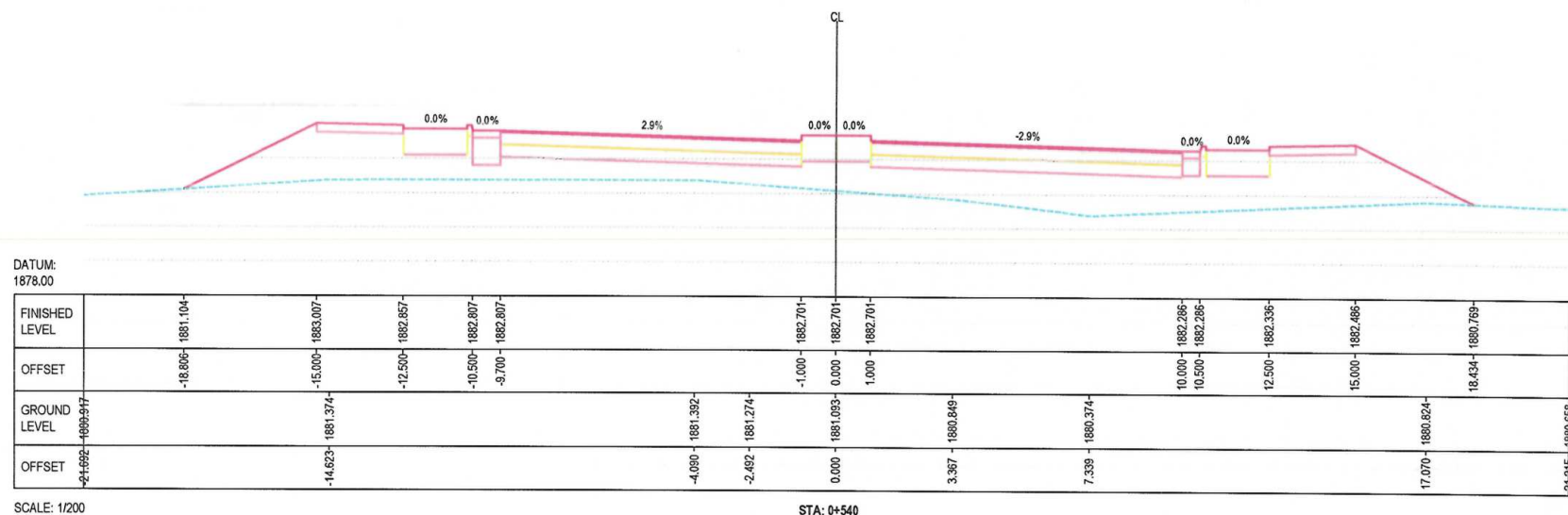
Project Code:

SHEET NO.

CS315_ (8)

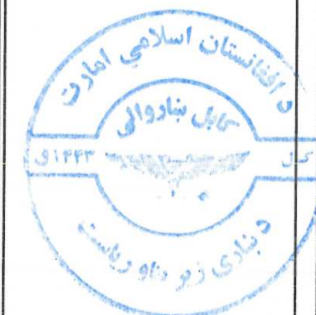
Revision

01



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

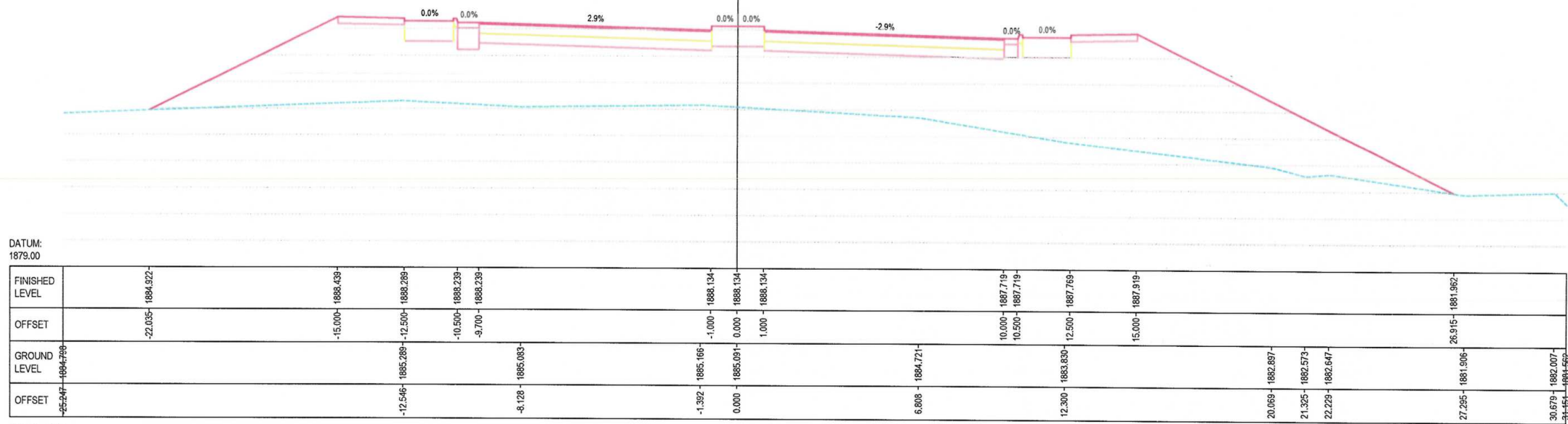


Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

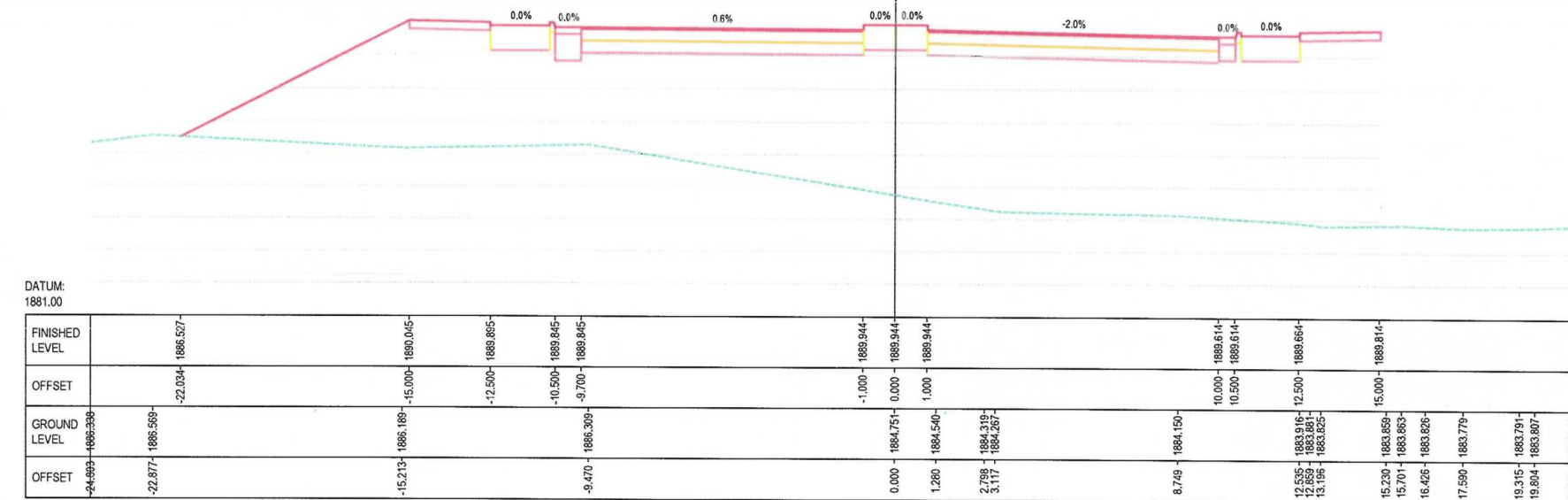
Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:	
Project Code:	
SHEET NO.	Revision
CS315_ (10)	01



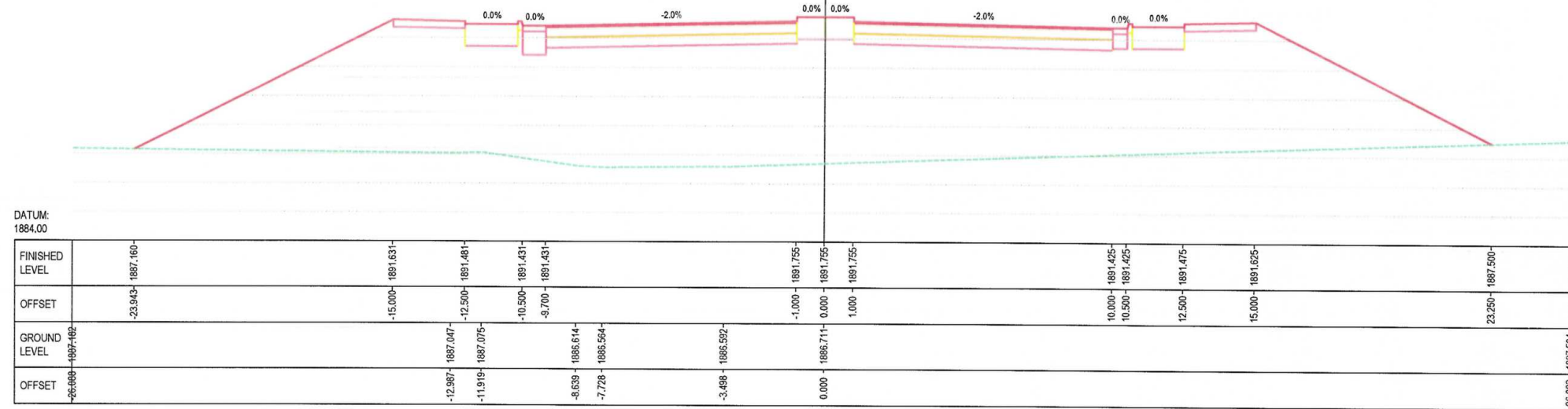
SCALE: 1/200

STA: 0+600



SCALE: 1/200

STA: 0+620



SCALE: 1/200

STA: 0+640

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

LEGENDS

Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi Signature: [Signature]

Designed: Abdul Hadi Signature: [Signature]

Reviewed by: Hasibullah "Shalizi" Signature: [Signature]

Approved by: Signature: [Signature]

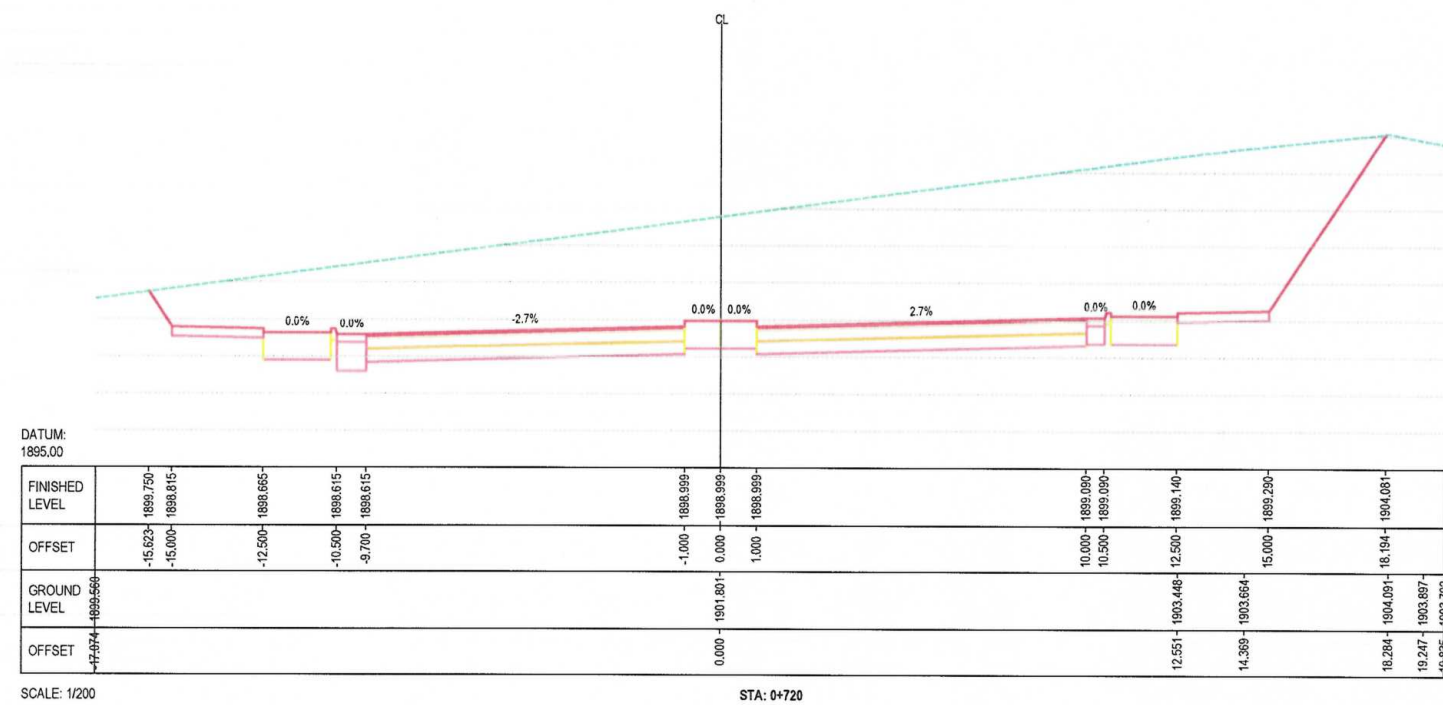
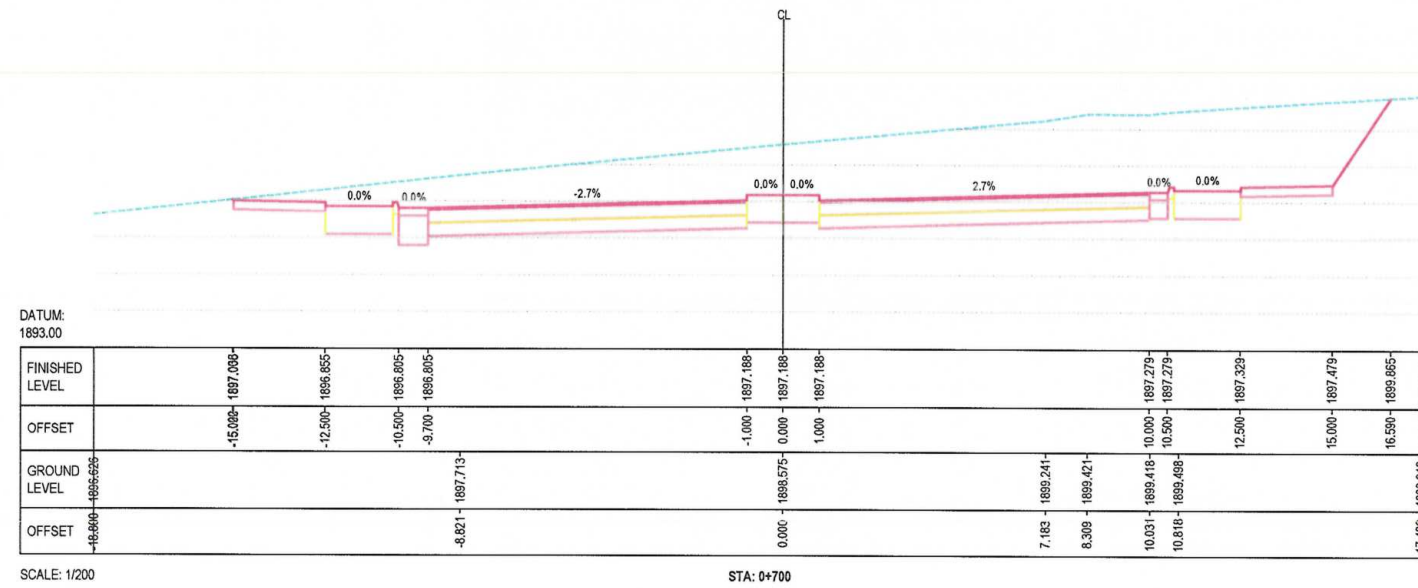
Reviewed:

Date: 9/14/2024 Scale:

Status:

Project Code:

SHEET NO. CS315_ (11) Revision 01



NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi

Signature:

Designed: Abdul Hadi

Signature:

Reviewed by: Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date: 9/14/2024

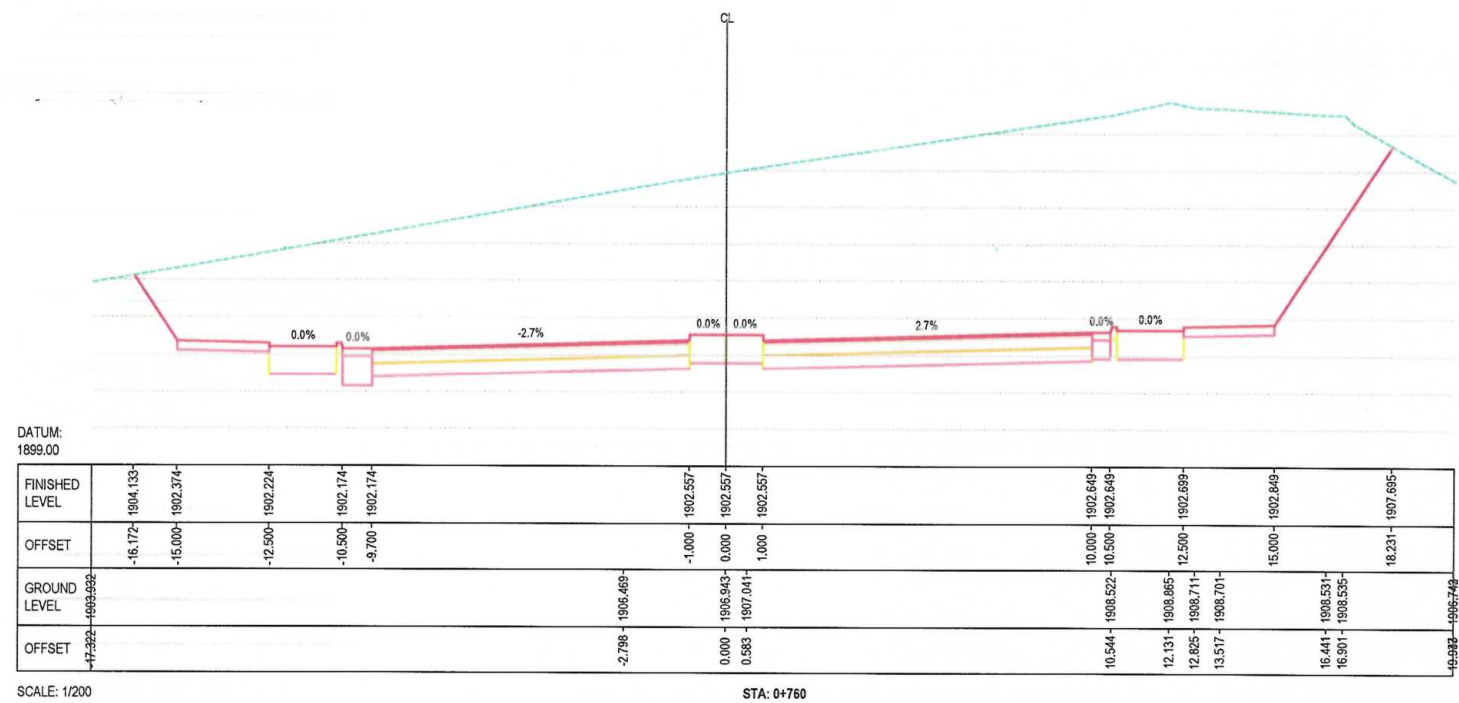
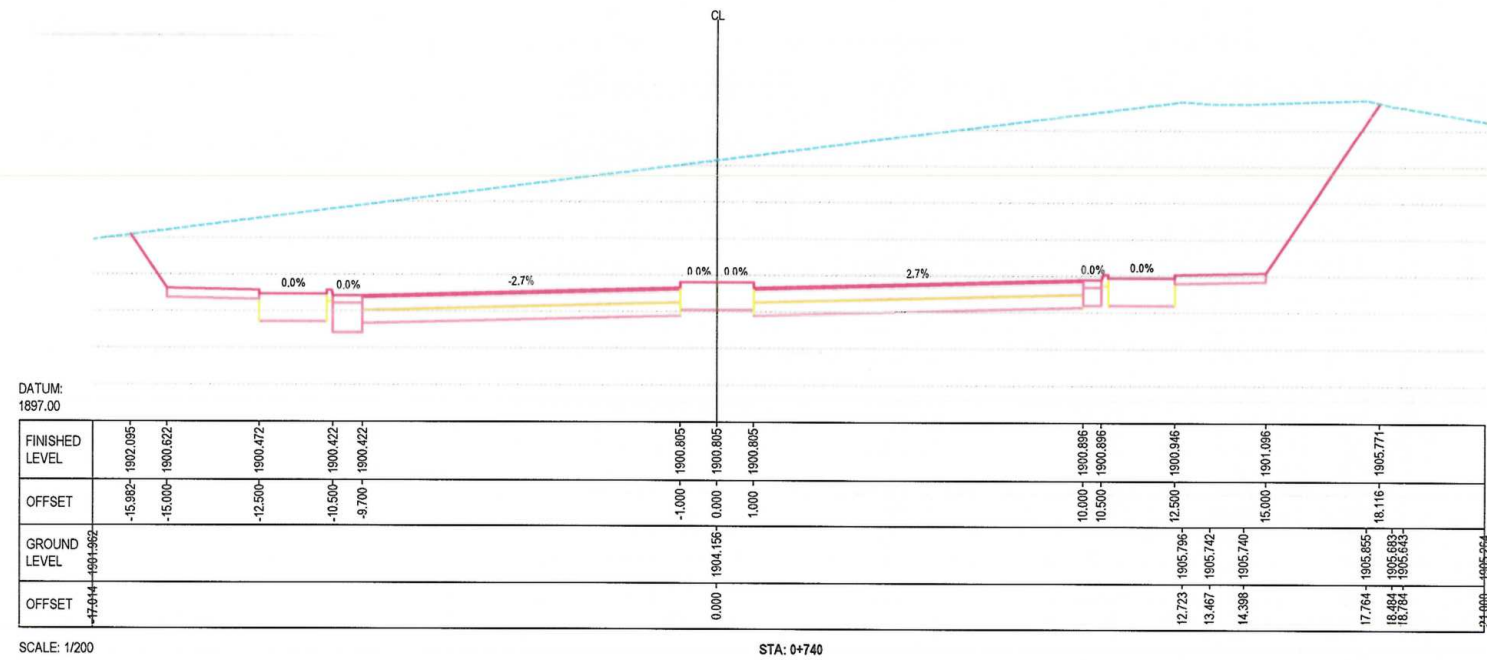
Scale:

Status:

Project Code:

SHEET NO. CS315_ (13)

Revision: 01



NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

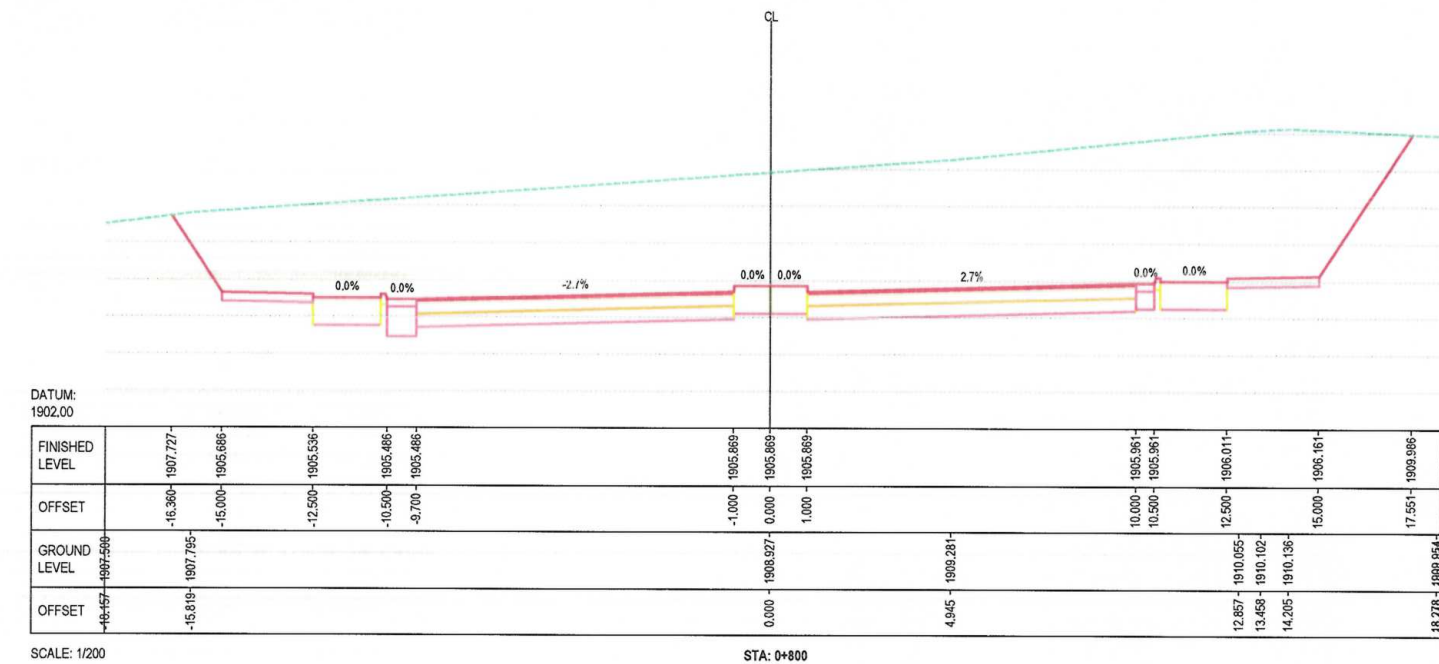
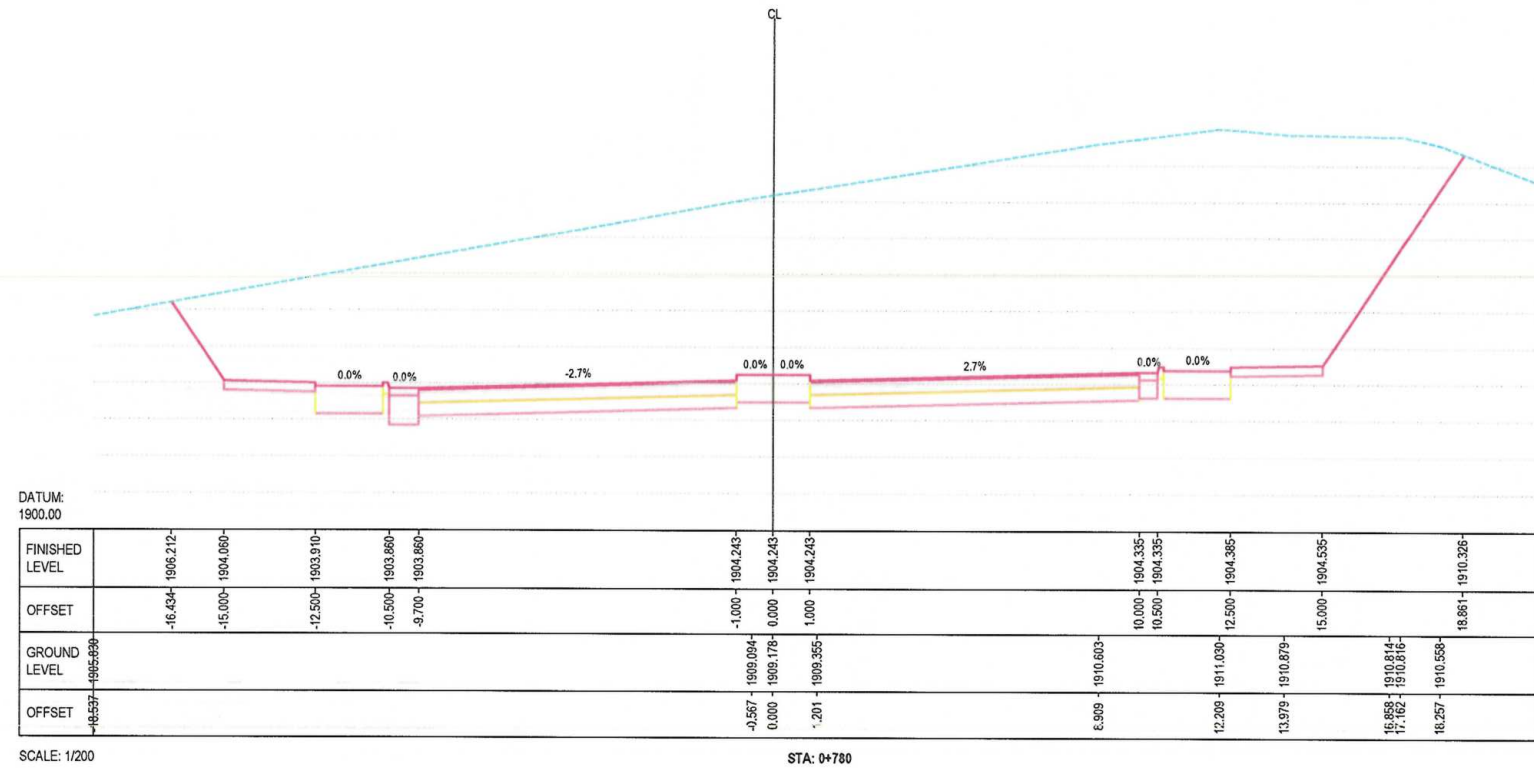
Drawn:	Signature:
Abdul Hadi	
Designed:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hasibullah "Shalizi"	
Approved by:	Signature:

Reviewed:	
Date:	Scale:
9/14/2024	

Status:

Project Code

SHEET NO.	Revision
CS315_ (14)	01



NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

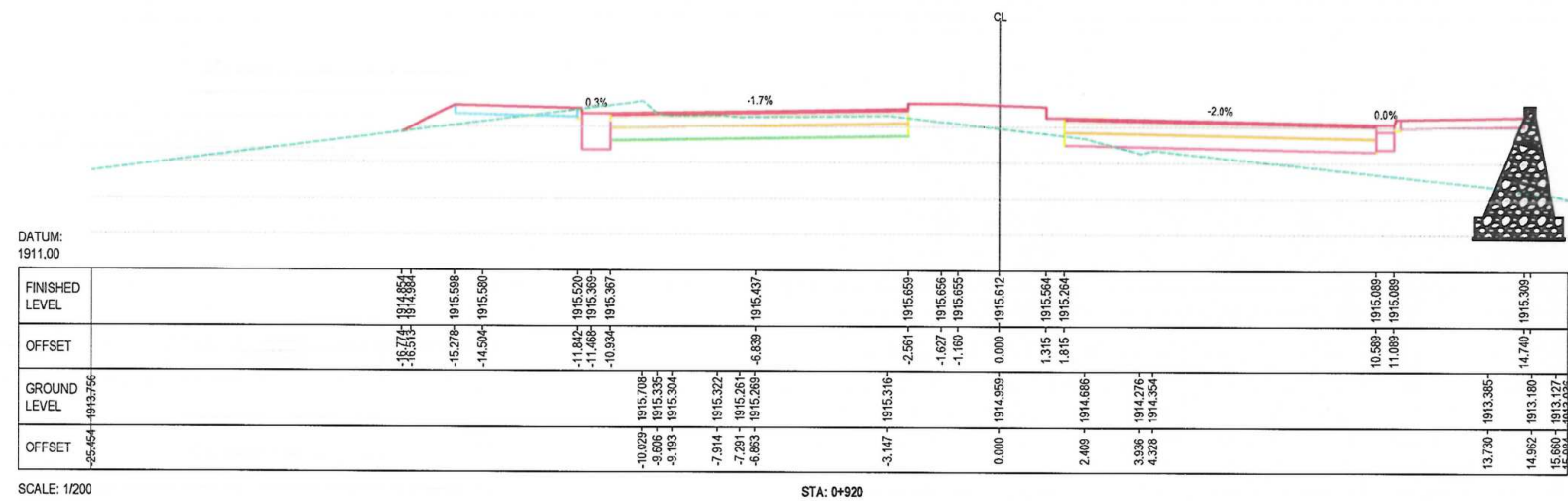
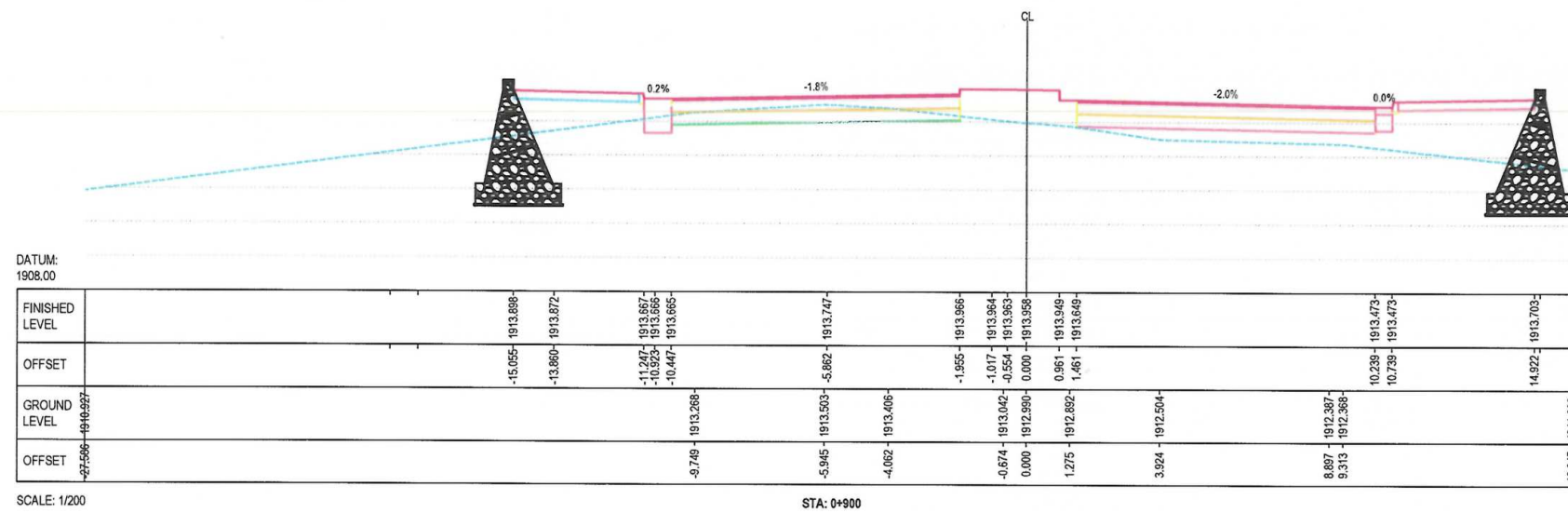
Cross section

Drawn:	Abdul Hadi	Signature:	
Designed:	Abdul Hadi	Signature:	
Reviewed by:	Hanibullah "Shalizi"	Signature:	
Approved by:		Signature:	
Reviewed:			
Date:	9/14/2024	Scale:	

Status:

Project Code

SHEET NO.	Revision
CS315_ (15)	01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

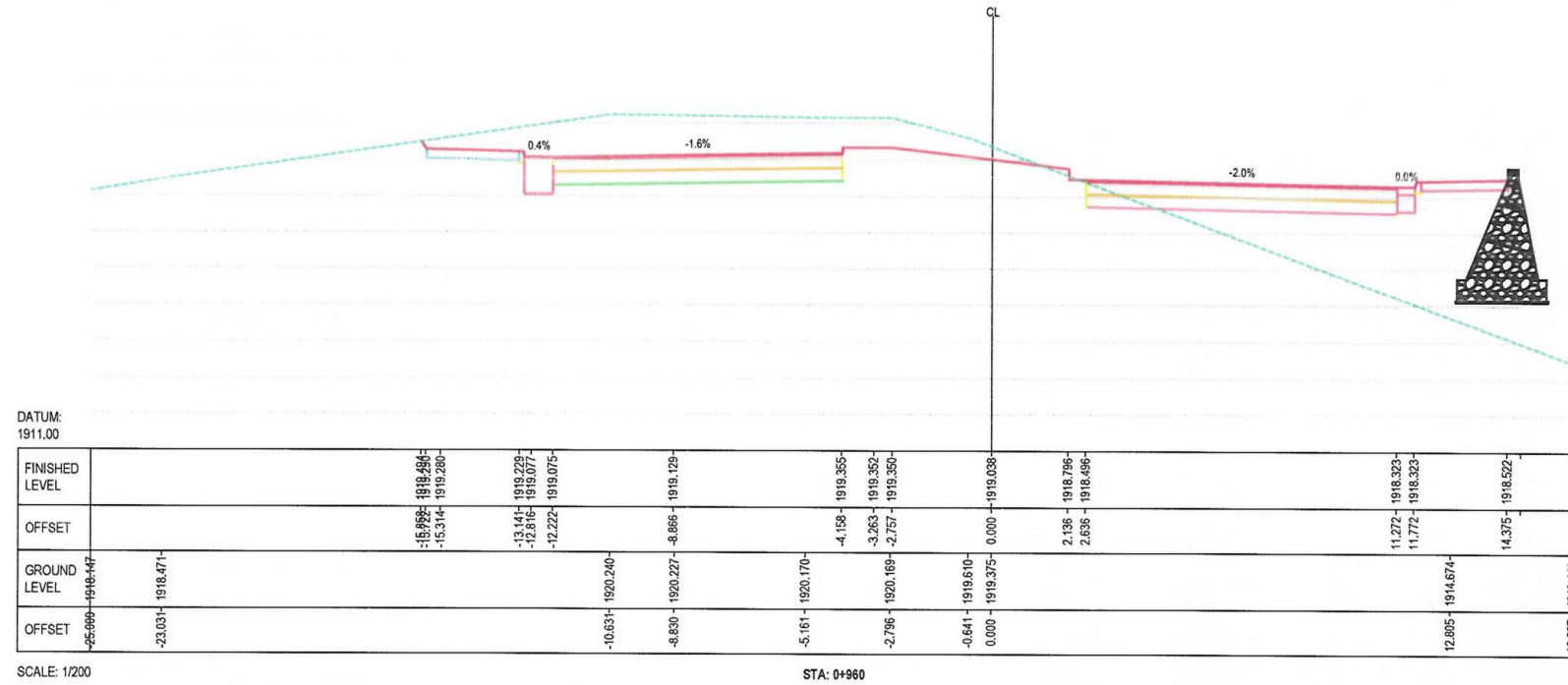
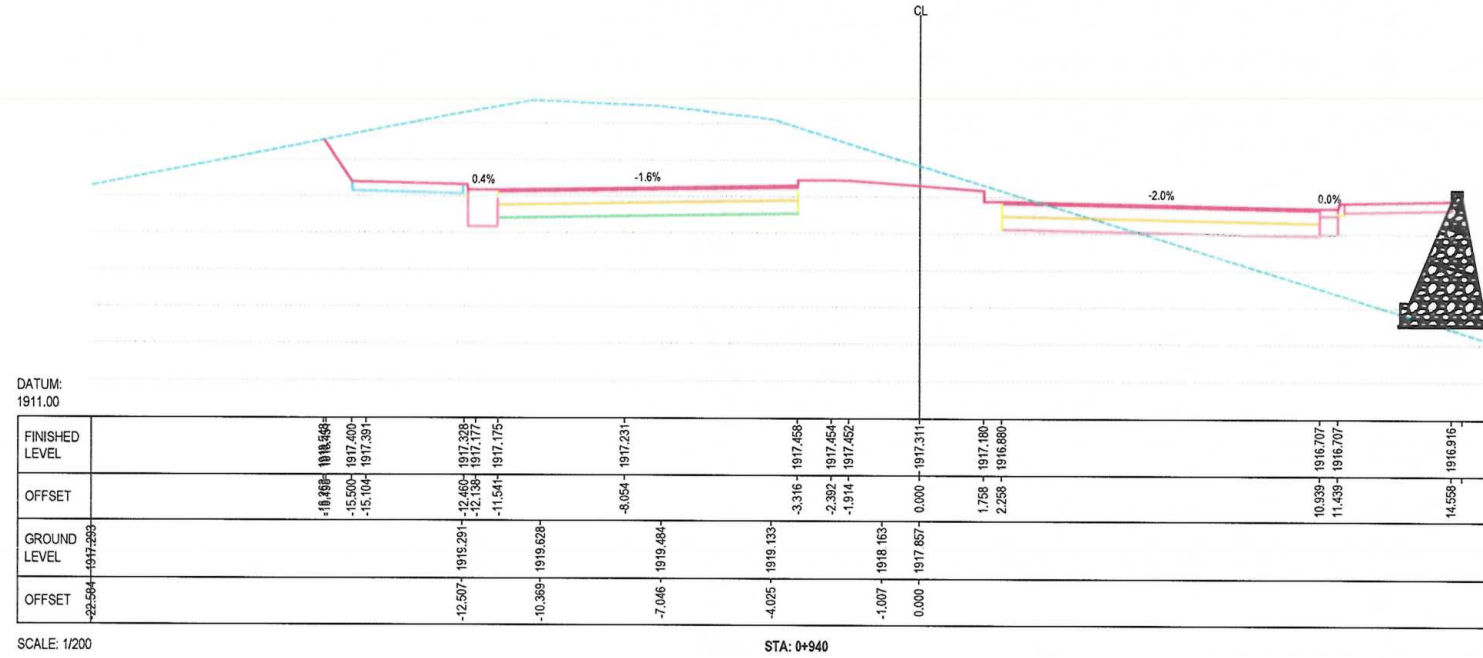
Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:

Project Code:

SHEET NO.	Revision
CS315_ (18)	01



NOTE:
1 All dimensions are in millimeter unless otherwise indicated

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

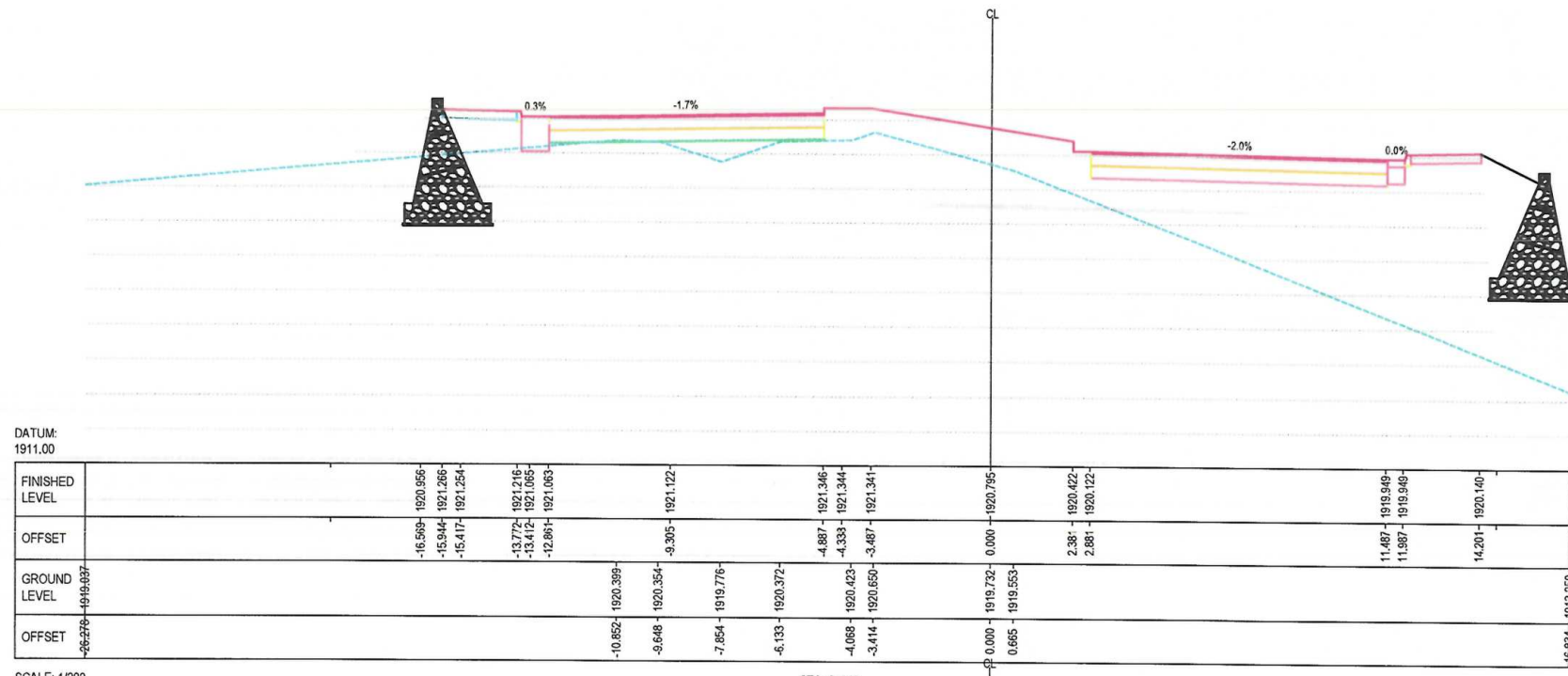
Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hassibullah "Shaloz"	Signature:
Approved by	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code:
SHEET NO
CS315_ (19)
Revision
01

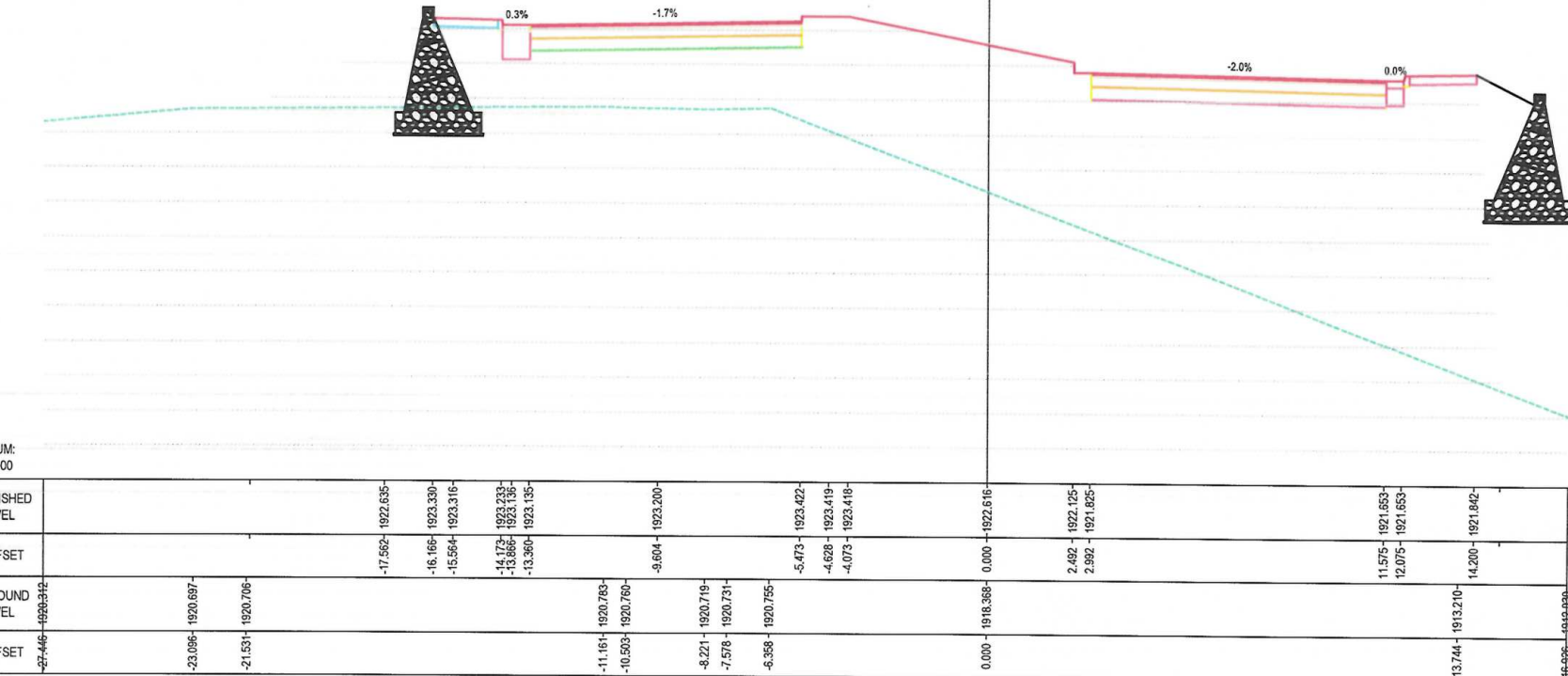


DATUM:
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OFFSET	-16.589	-15.944	-15.417	-13.772	-13.412	-12.861	-9.305	-4.887	-4.333	-3.487	0.000	2.381	2.881	11.487	14.201
GROUND LEVEL	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937	1919.937
OFFSET	-26.278	-26.278	-26.278	-26.278	-26.278	-26.278	-26.278	-26.278	-26.278	-26.278	0.000	2.381	2.881	11.487	14.201

SCALE: 1/200

STA: 0+980



DATUM:
1910.00

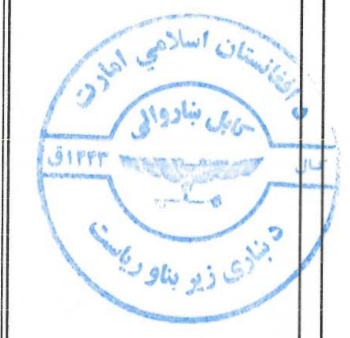
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OFFSET	-17.582	-16.166	-15.564	-14.172	-13.886	-13.350	-9.604	-5.473	-4.628	-4.072	0.000	2.482	2.392	11.575	14.200
GROUND LEVEL	1920.312	1920.697	1920.706	1920.783	1920.780	1920.755	1920.755	1920.755	1920.755	1920.755	1920.755	1920.755	1920.755	1920.755	1920.755
OFFSET	-27.446	-23.096	-21.531	-11.161	-10.503	-8.221	-7.578	-6.358	-5.473	-4.072	0.000	2.482	2.392	11.575	14.200

SCALE: 1/200

STA: 1+000

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABL MUNICIPALITY
DESIGN TEAM

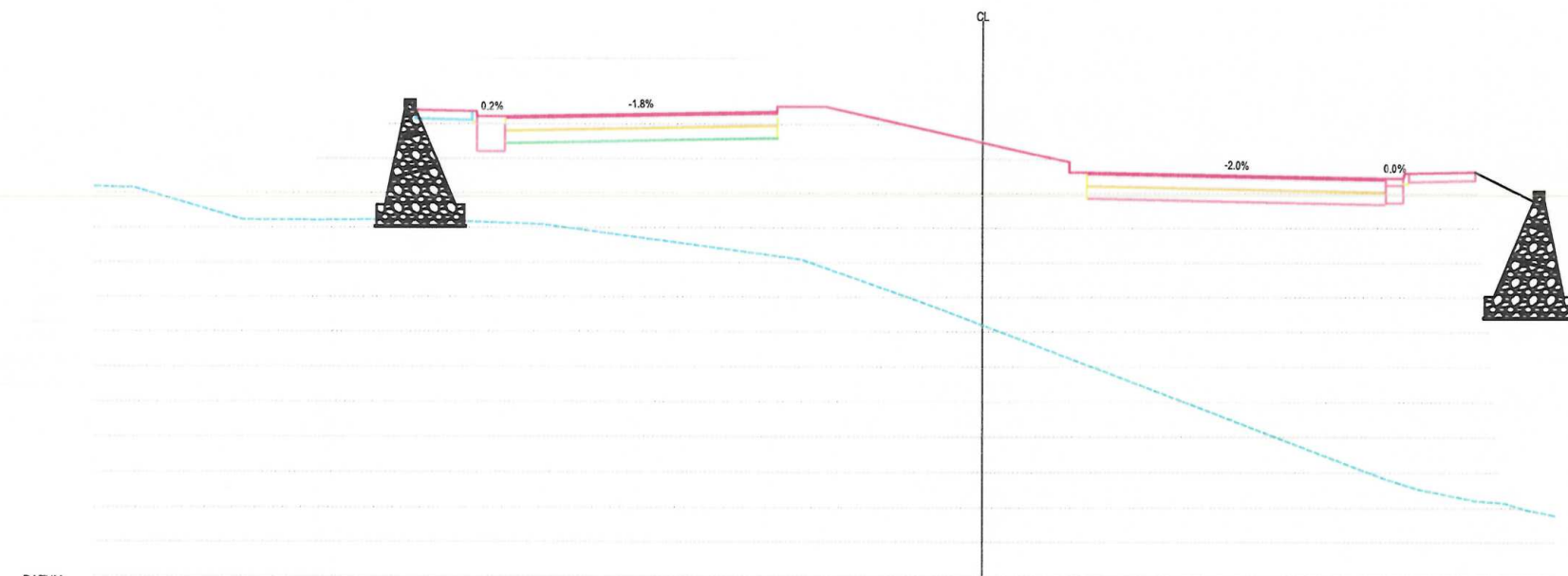
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code:

SHEET NO.	Revision
CS315_ (20)	01

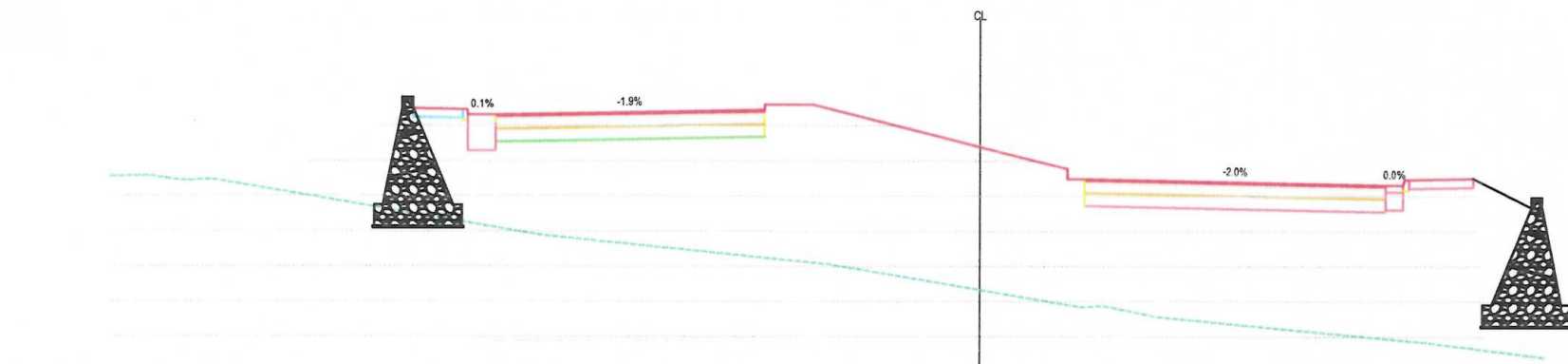


DATUM:
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FINISHED LEVEL	1923.465	1923.155	1922.232	1922.220	1922.245	1925.409	1925.394	1925.292	1925.512	1925.511	1925.509	1924.485	1923.918	1923.618	1923.445	1923.633
OFFSET						-16.239	-15.649	-9.771	-5.916	-5.338	-4.516	0.000	2.500	3.000	11.629	12.129
GROUND LEVEL	1923.465	1923.155	1922.232	1922.220	1922.245	1925.409	1925.394	1925.292	1925.512	1925.511	1925.509	1924.485	1923.918	1923.618	1923.445	1923.633
OFFSET	-25.465	-24.343	-21.258	-19.043	-16.534	-12.618	-9.771	-5.253	-1.970	0.000	11.579	12.552	14.142	15.060	15.588	16.474

SCALE: 1/200

STA: 1+020



DATUM:
1918.00

FINISHED LEVEL	1927.488	1927.473	1927.307	1927.306	1927.302	1927.384	1927.601	1927.601	1927.600	1926.415	1925.802	1925.502	1925.328	1925.328	1925.515
OFFSET						-8.810	-6.216	-5.629	-4.816	0.000	2.500	3.000	11.684	12.184	14.200
GROUND LEVEL	1927.488	1927.473	1927.307	1927.306	1927.302	1927.384	1927.601	1927.601	1927.600	1926.415	1925.802	1925.502	1925.328	1925.328	1925.515
OFFSET	-25.488	-23.872	-22.912	-22.092	-12.652	-8.810	-4.449	0.000	2.888	3.523	5.110	12.949	12.949	12.949	16.257

SCALE: 1/200

STA: 1+040

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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

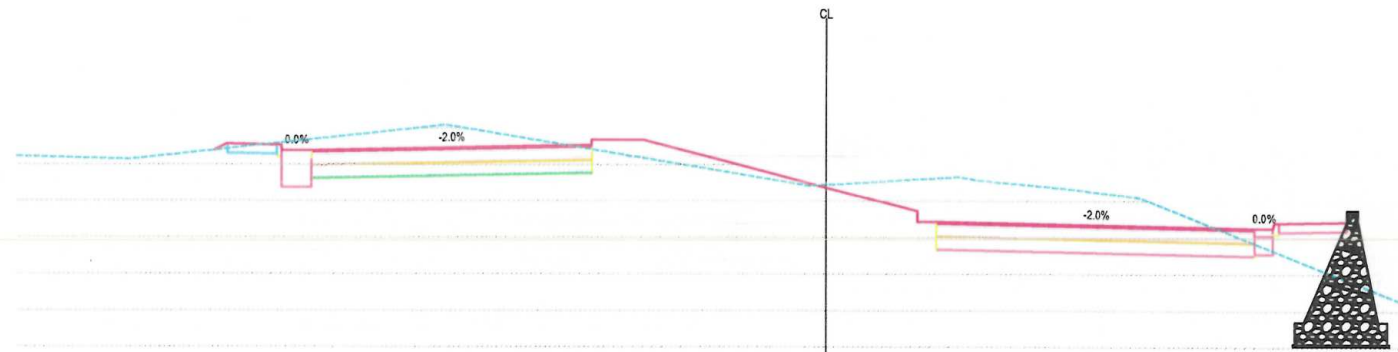
Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Reviewed:	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO. CS315_ (21)	Revision 01
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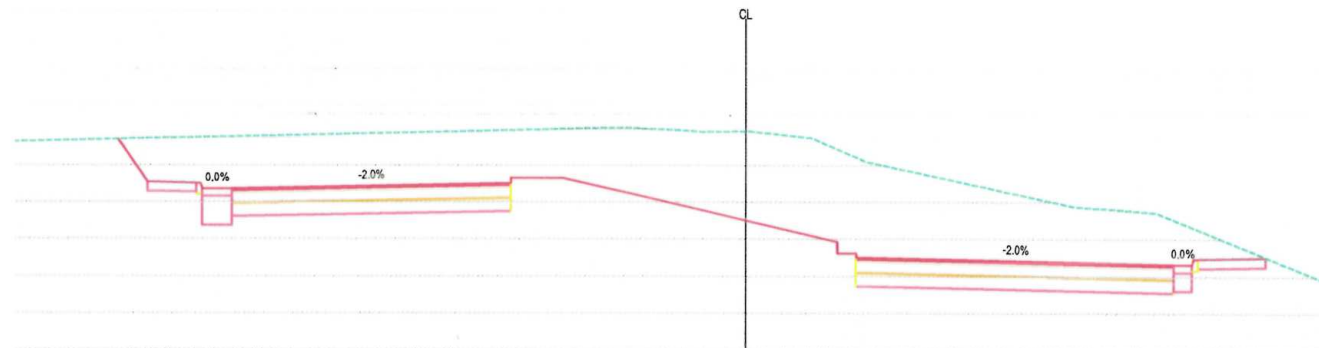


DATUM:
1923.00

FINISHED LEVEL	1923.409	1923.570	1923.550	1923.392	1923.392	1923.508	1923.591	1923.690	1923.389	1927.734	1927.434	1927.260	1927.260	1927.447
OFFSET		-16.622	-16.299	-15.304	-14.799	-13.999	-8.052	-6.373	-4.973	0.000	2.500	3.000	11.700	14.200
GROUND LEVEL	1923.243	1923.157				1930.089				1928.441	1928.685	1928.590		
OFFSET	-22.019	-18.936				-10.361				-0.477	3.618	4.097	6.464	8.500

SCALE: 1/200

STA: 1+060



DATUM:
1926.00

FINISHED LEVEL	1932.733	1931.548	1931.372	1931.372	1931.516	1932.937	1932.937	1932.343	1932.343	1932.539
OFFSET	-17.088	-16.299	-14.799	-13.999	-8.399	-4.999	0.000	2.500	3.000	11.700
GROUND LEVEL	1932.566	1932.546			1933.055	1932.984	1932.940	1932.772	1932.110	1930.897
OFFSET	-18.988	-7.751			-3.474	-1.815	-1.195	1.770	3.272	8.888

SCALE: 1/200

STA: 1+080

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

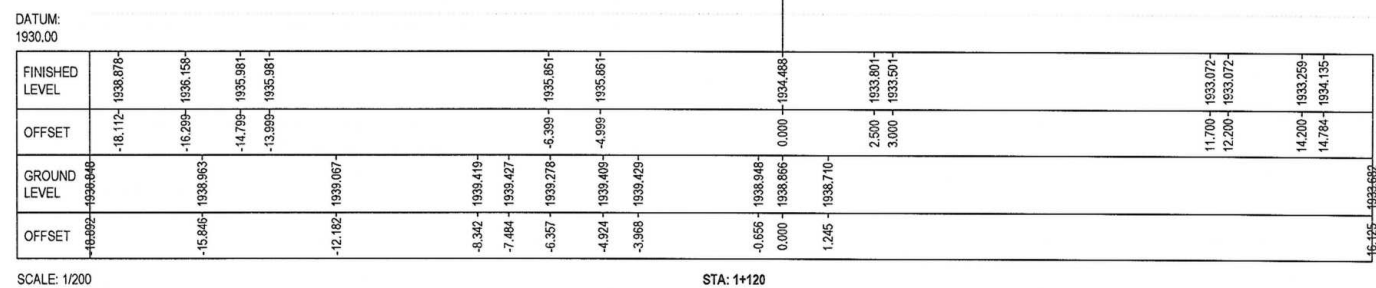
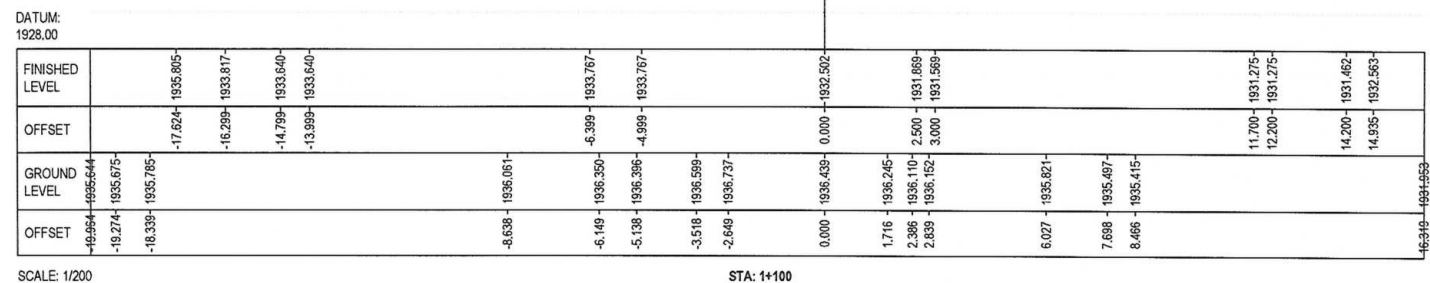
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO.	Revision
CS315_ (22)	01



1. All dimensions are in millimeter unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
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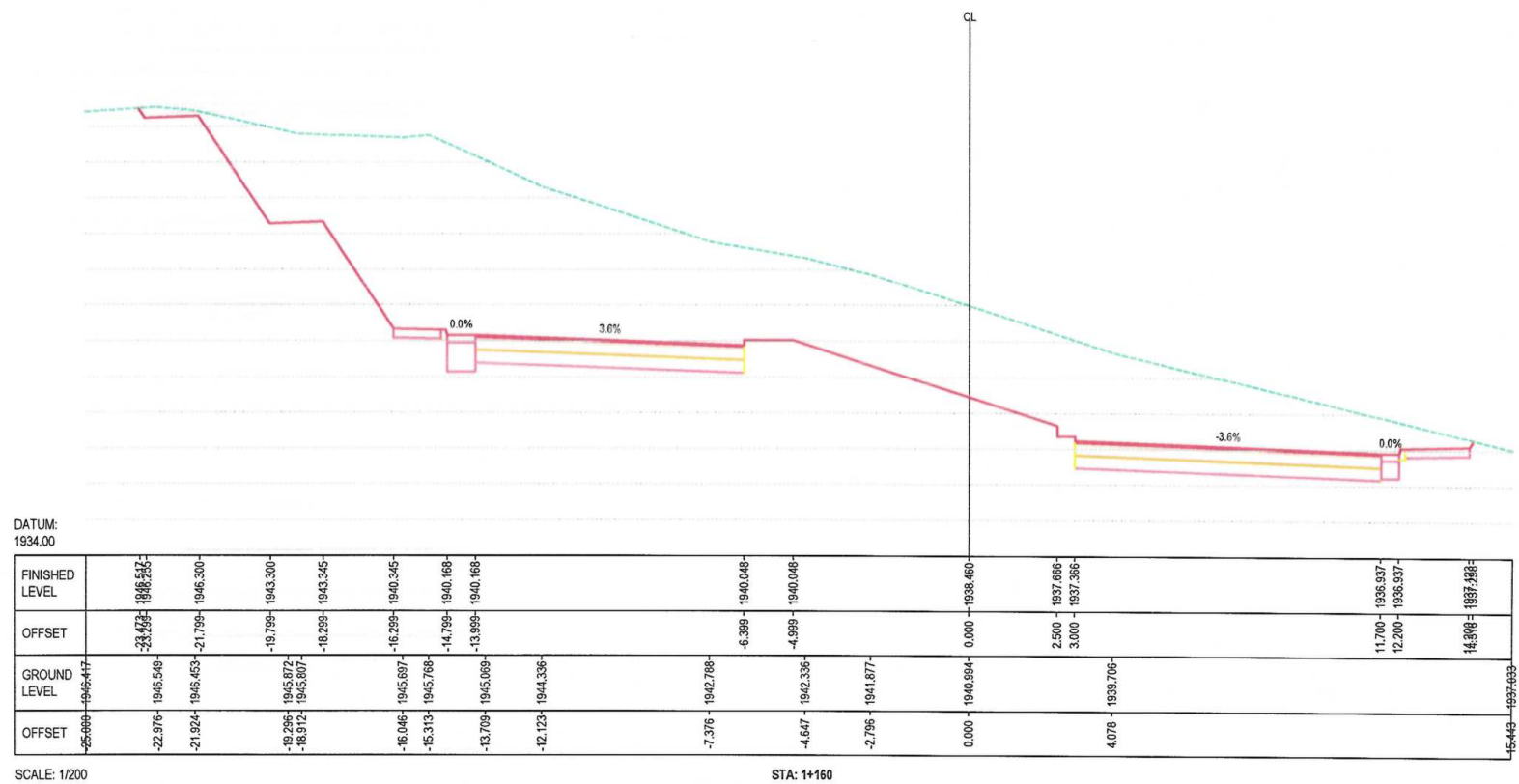
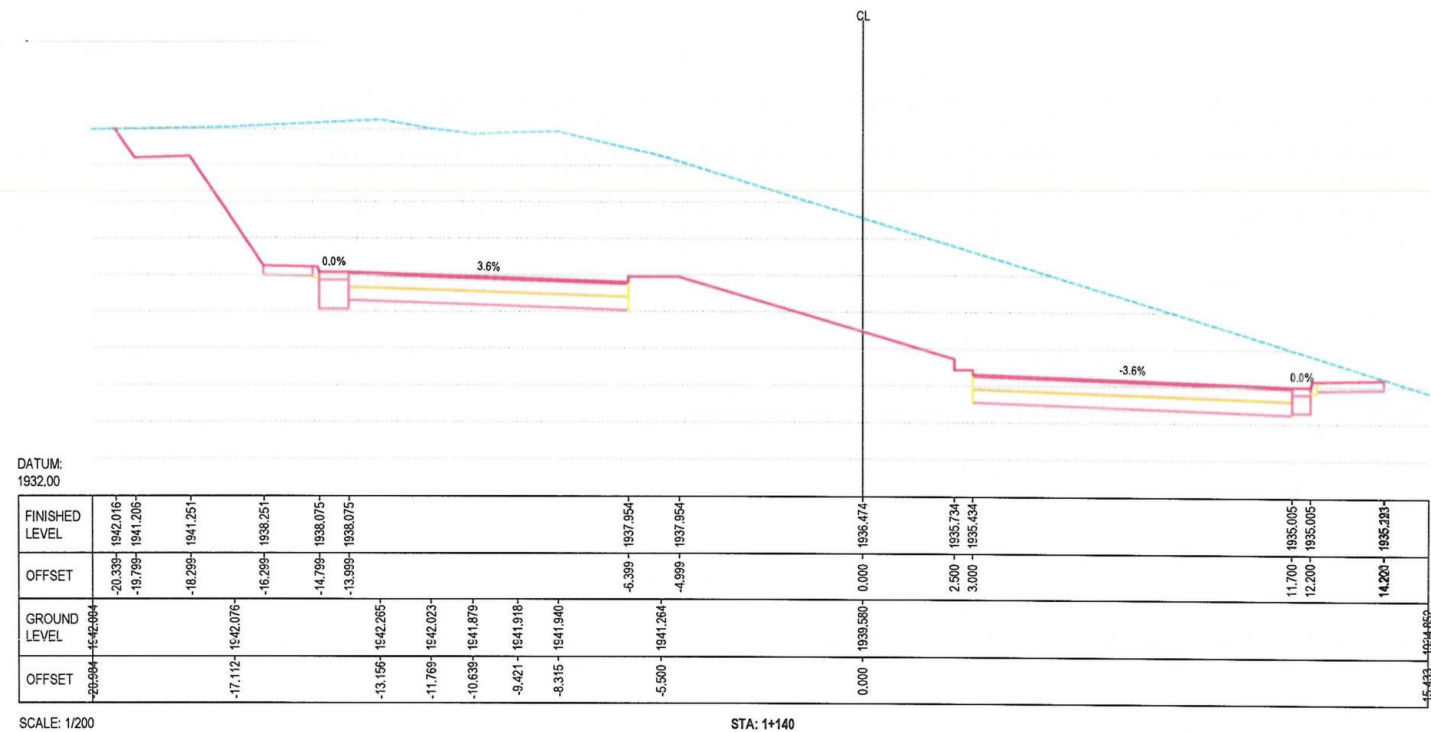
Designed By:



Drawing Title:

Cross section

Status:	
Project Code	
SHEET NO.	Revision
CS315 (23)	01



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:

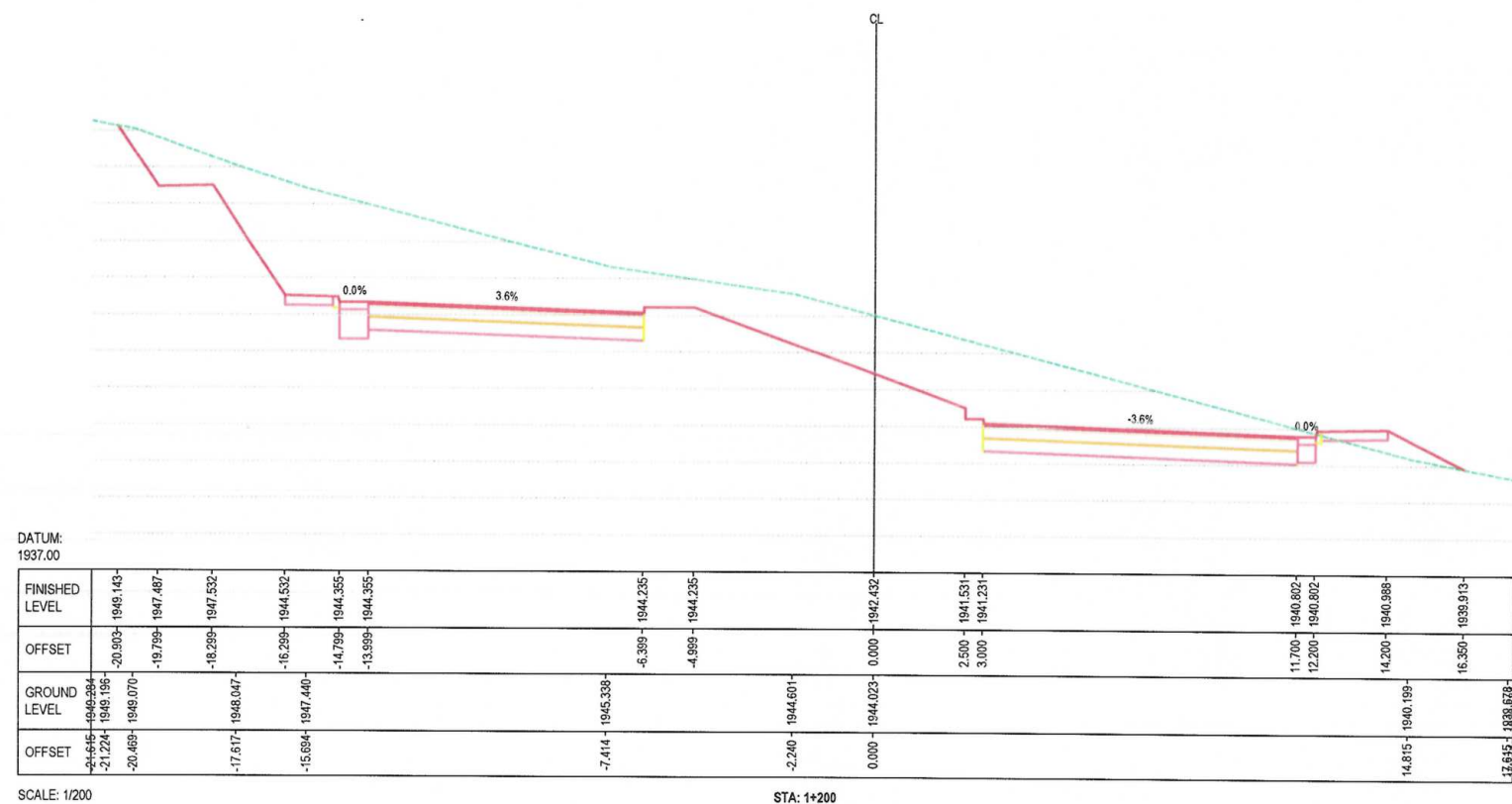
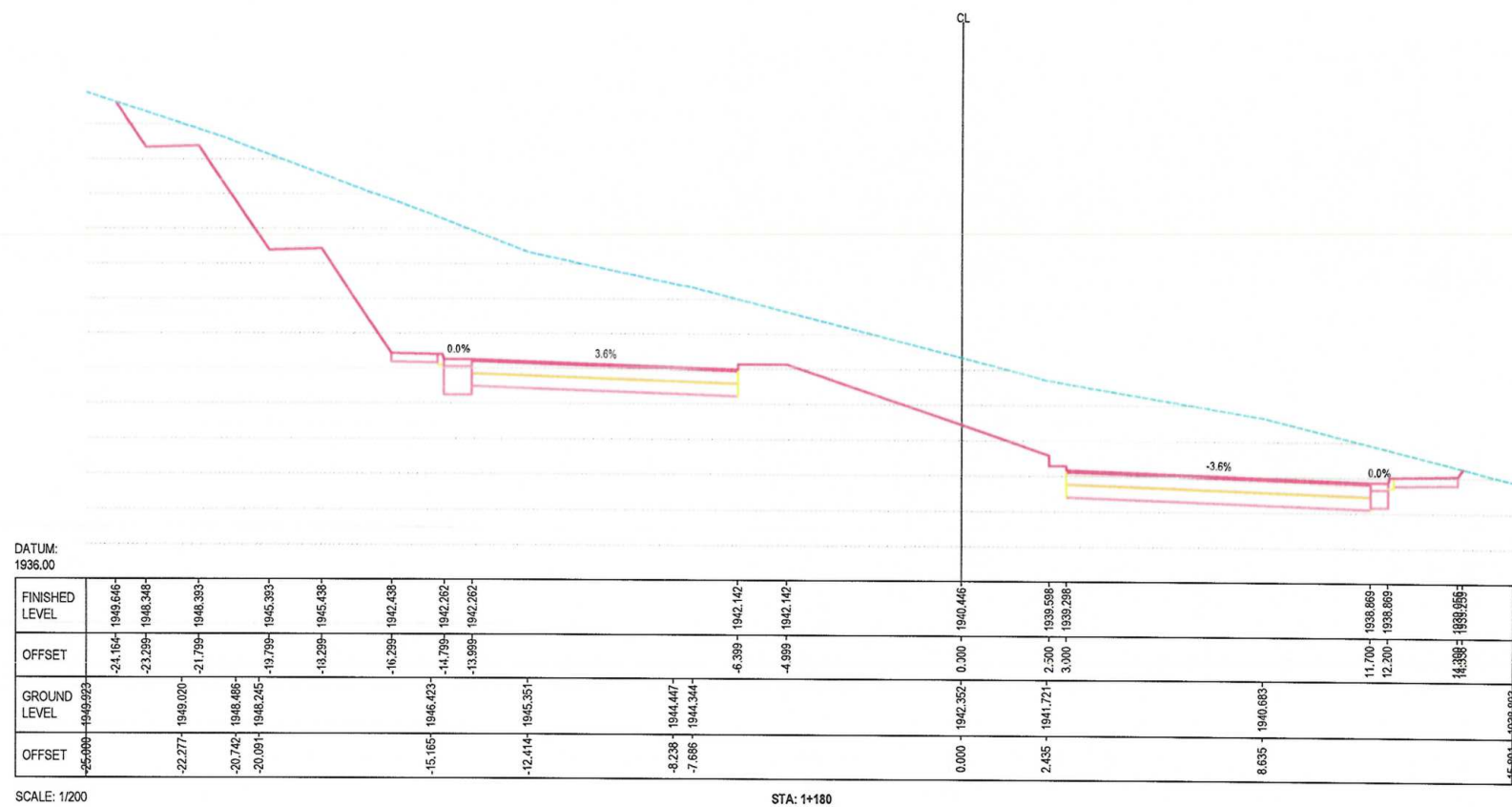
Reviewed	
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Date: 9/14/2024	Scale:
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Status:

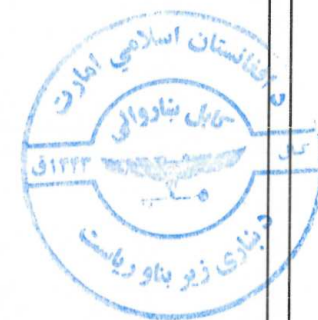
Project Code

SHEET NO. CS315_ (24)	Revision 01
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NOTE:
1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

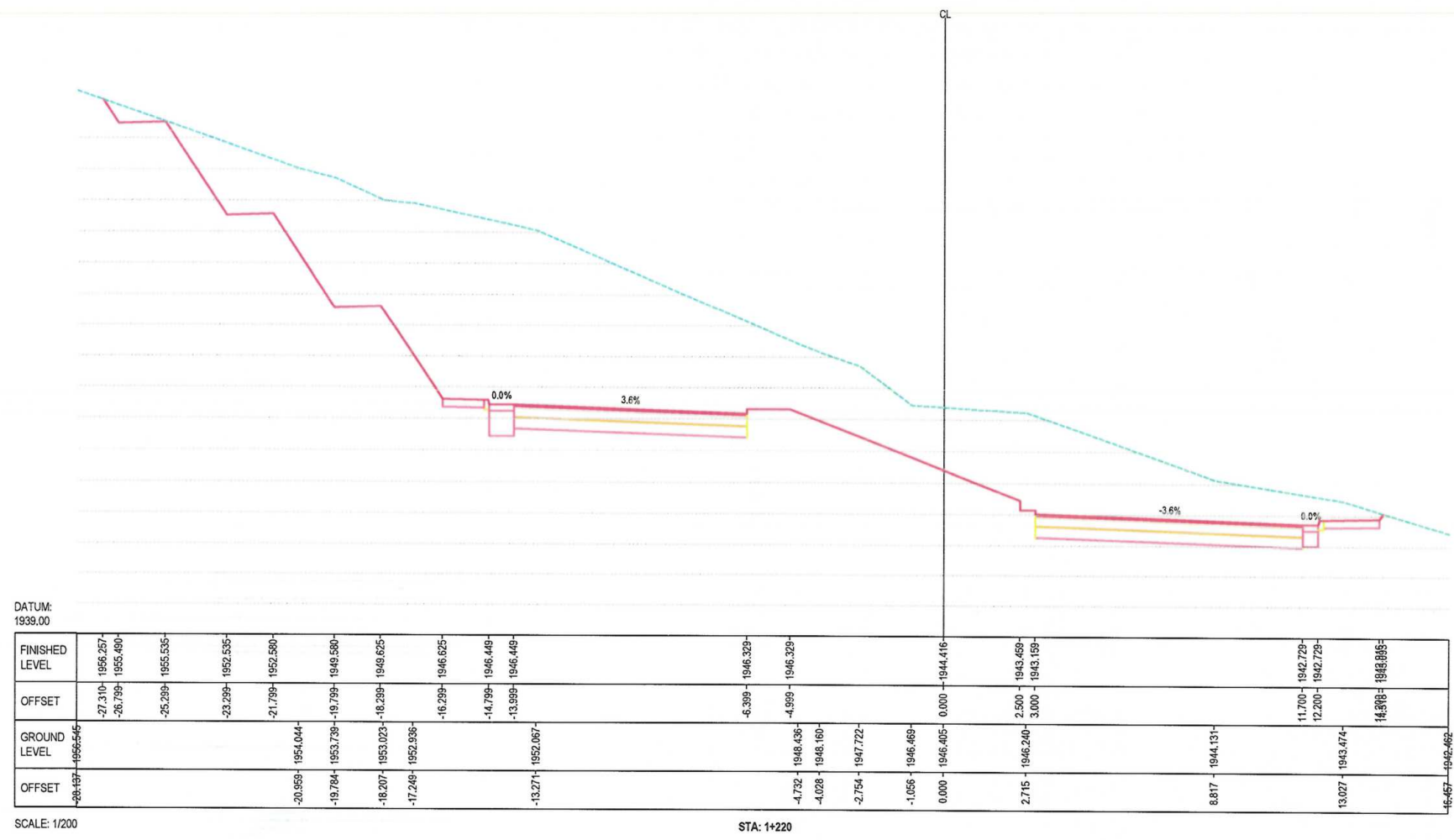
Project Code

SHEET NO.

CS315_ (25)

Revision

01



NOTE

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi

Signature:

Designed: Abdul Hadi

Signature:

Reviewed by: Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date: 9/14/2024

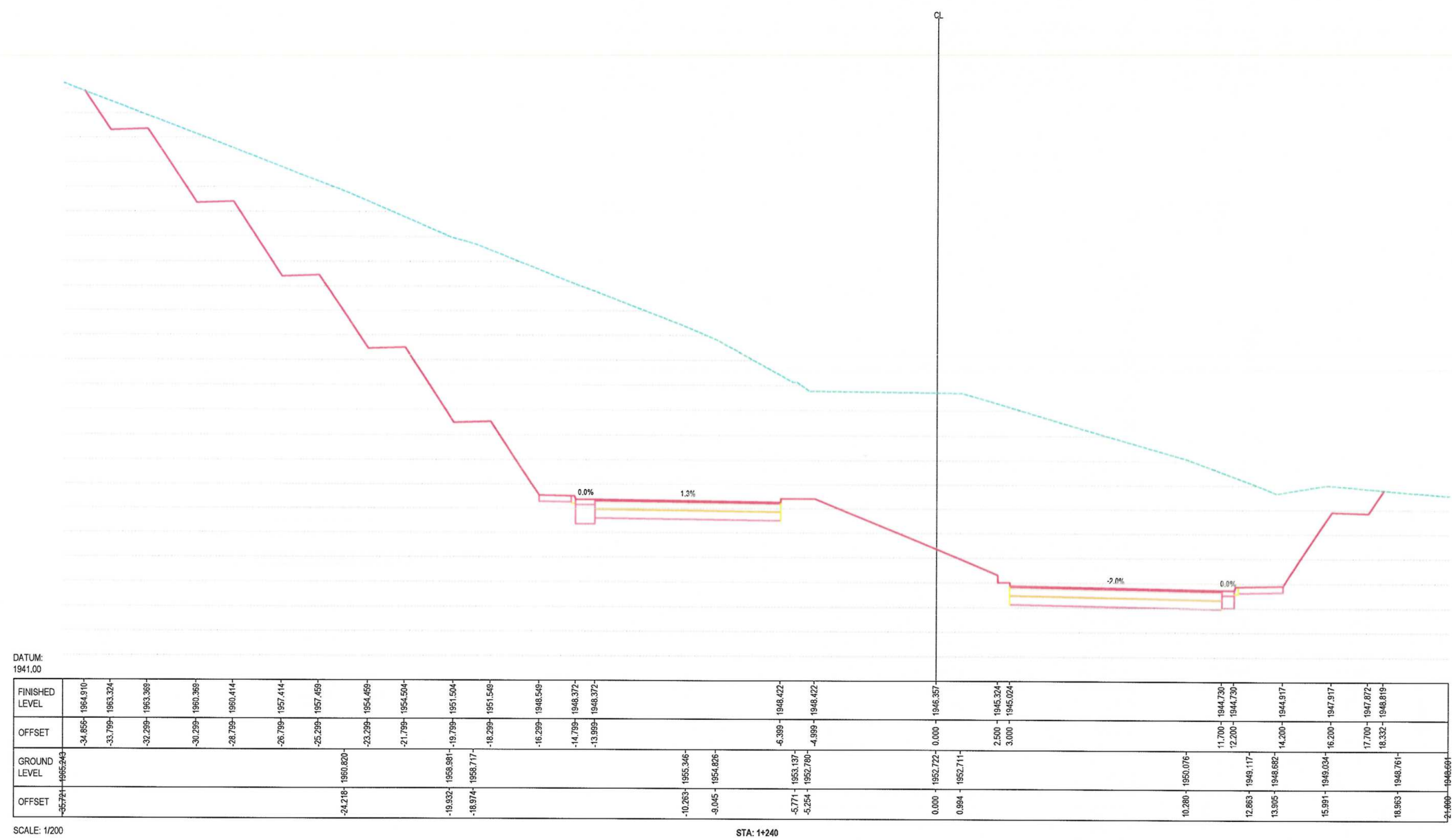
Scale:

Status:

Project Code:

Sheet NO. CS315_ (26)

Revision: 01



DATUM:
1941.00

FINISHED LEVEL	1964.910-	1963.324-	1963.369-	1960.369-	1960.414-	1957.414-	1957.459-	1954.459-	1954.504-	1951.504-	1951.549-	1948.549-	1948.372-	1948.372-	1946.357-	1945.324-	1944.730-	1944.730-	1944.917-	1947.917-	1947.872-	1946.819-
OFFSET	-34.856-	-33.799-	-32.299-	-30.299-	-28.799-	-26.799-	-25.299-	-23.299-	-21.799-	-19.799-	-18.299-	-16.299-	-14.799-	-13.999-	-6.399-	2.500-	3.000-	11.700-	12.200-	14.200-	16.200-	17.700-
GROUND LEVEL	1965.243-	1963.324-	1963.369-	1960.369-	1960.414-	1957.414-	1957.459-	1954.459-	1954.504-	1951.504-	1951.549-	1948.549-	1948.372-	1948.372-	1946.357-	1945.324-	1944.730-	1944.730-	1944.917-	1947.917-	1947.872-	1946.819-
OFFSET	-36.721-	-35.721-	-34.218-	-32.218-	-30.718-	-28.718-	-27.218-	-25.218-	-23.718-	-21.718-	-20.218-	-18.218-	-16.718-	-15.218-	-10.283-	-5.771-	-5.254-	0.000-	0.994-	10.280-	12.863-	13.905-

SCALE: 1/200

STA: 1+240

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

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:
Reviewed:

Signature:
Signature:
Signature:
Signature:

Date: 9/14/2024
Scale:

Status:

Project Code:

SHEET NO. CS315_ (27)
Revision 01

DATUM:
1943.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
1967.536	-35.446	1932.090	-35.446
1965.166	-33.799	1931.367	-33.799
1955.211	-32.299	1923.012	-32.299
1952.211	-30.299	1921.913	-30.299
1952.256	-28.799	1921.458	-28.799
1953.256	-25.799	1915.659	-25.799
1953.301	-25.299	1915.060	-25.299
1956.301	-23.299	1933.001	-23.299
1956.346	-21.799	1934.546	-21.799
1953.346	-19.799	1933.546	-19.799
1953.391	-18.299	1935.091	-18.299
1950.391	-16.299	1931.091	-16.299
1950.214	-14.799	1934.913	-14.799
1950.214	-13.999	1934.214	-13.999
1950.516	-6.399	1956.915	-6.399
1950.516	-4.999	1955.516	-4.999
1948.276	0.000	1948.276	0.000
1947.155	2.500	1944.755	2.500
1946.855	3.000	1943.855	3.000
1946.561	11.700	1934.861	11.700
1946.561	12.200	1934.361	12.200
1946.748	14.200	1932.548	14.200
1946.748	16.200	1930.548	16.200
1946.703	17.700	1929.003	17.700
1951.520	18.912	1932.608	18.912
1951.130	20.055	1931.075	20.055
1950.750	21.400	1929.350	21.400

SCALE: 1/200

STA: 1+260

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by: Signature
Reviewed: Signature
Date: 9/14/2024
Scale:

Status:
Project Code:
SHEET NO. CS315_ (28)
Revision: 01



SCALE: 1/200

STA: 1+280

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd.	App.
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature: _____

Designed

Abdul Hadi

Signature _____

Reviewed by :

Hasibullah "Shalizi"

Approved by

Reviewed

Date:

	Scale
--	-------

Status:

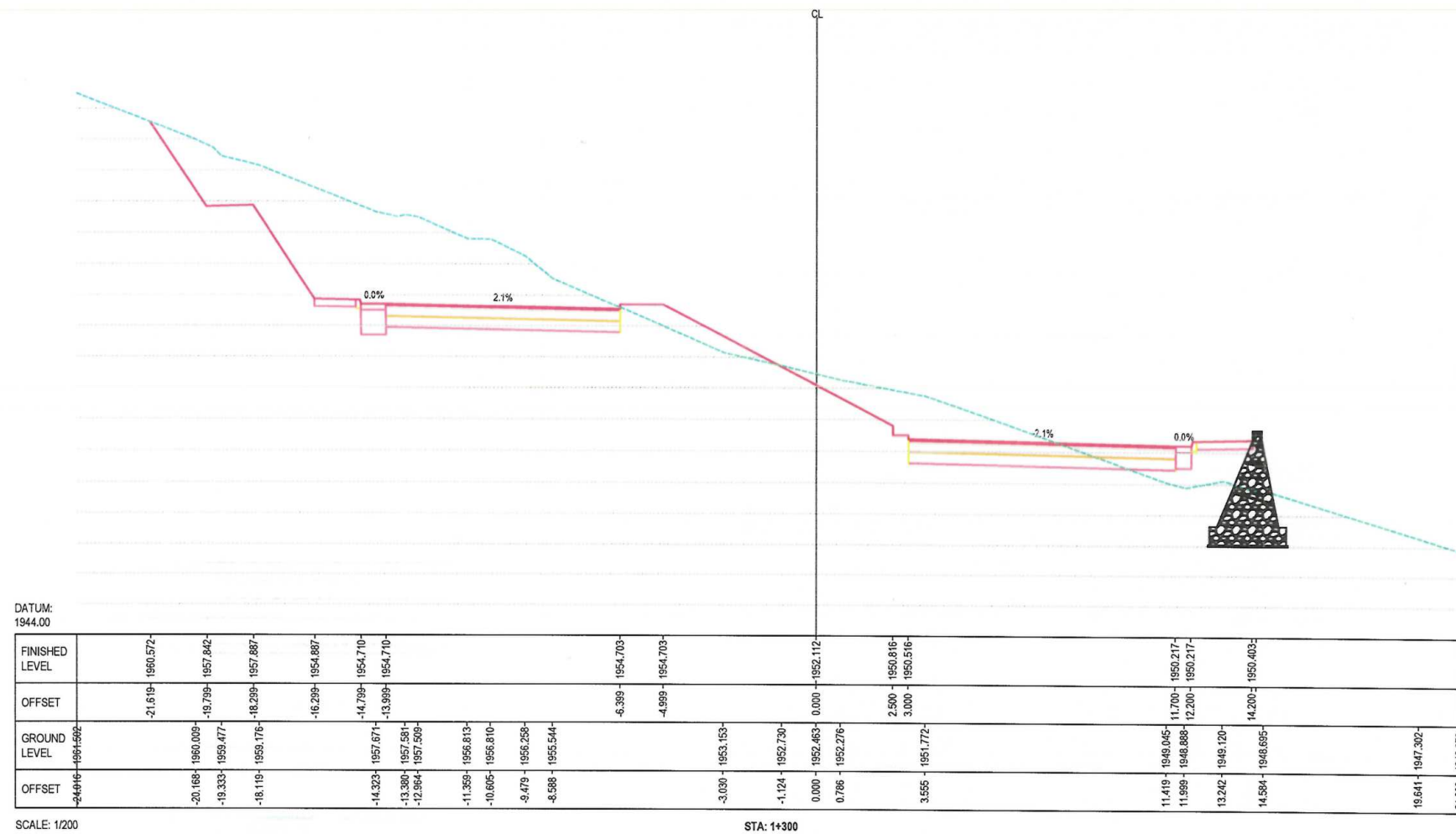
Project Code

SHEET NO.

CS315_ (29)

Revision

01



NOTE

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

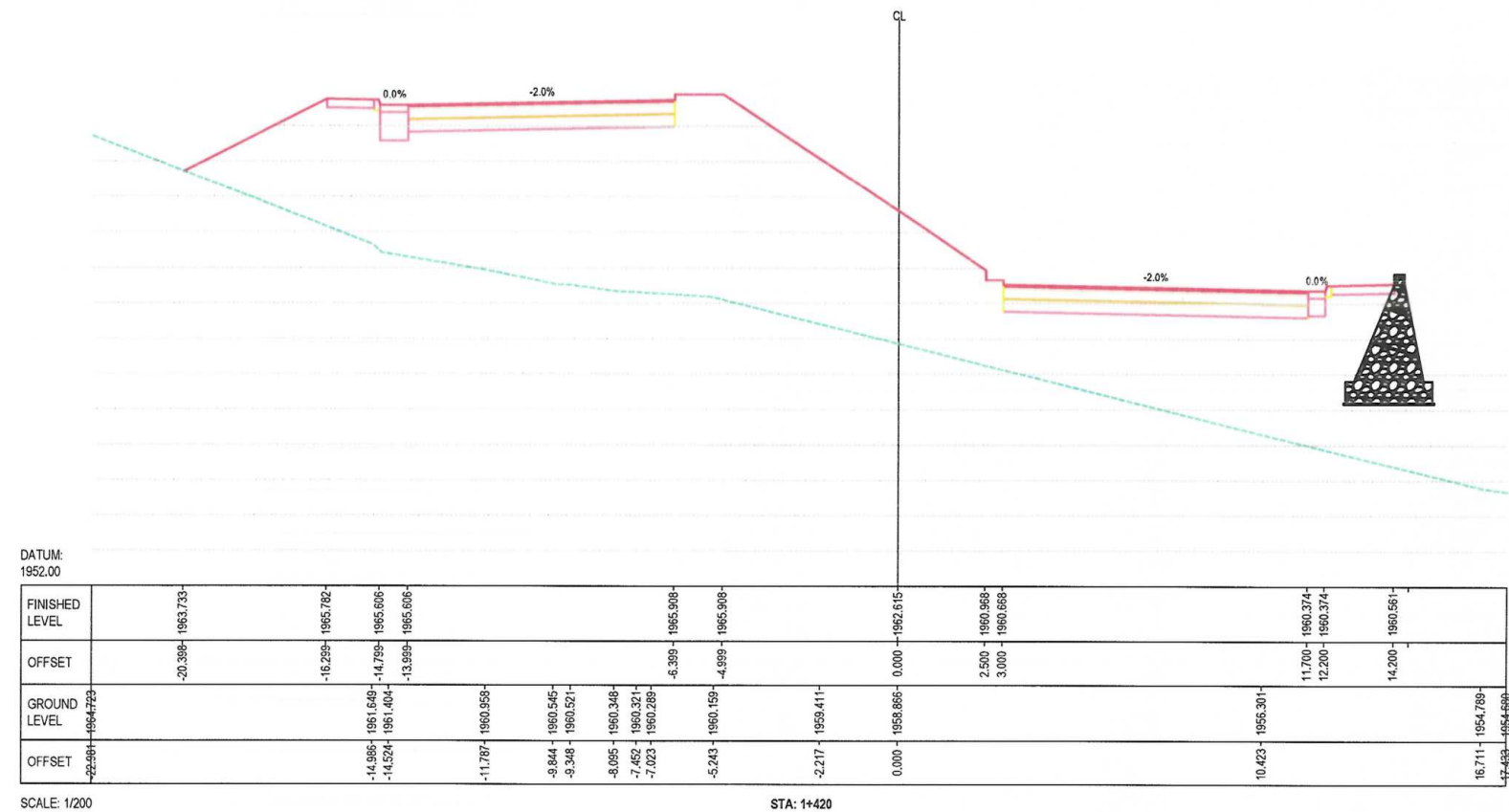
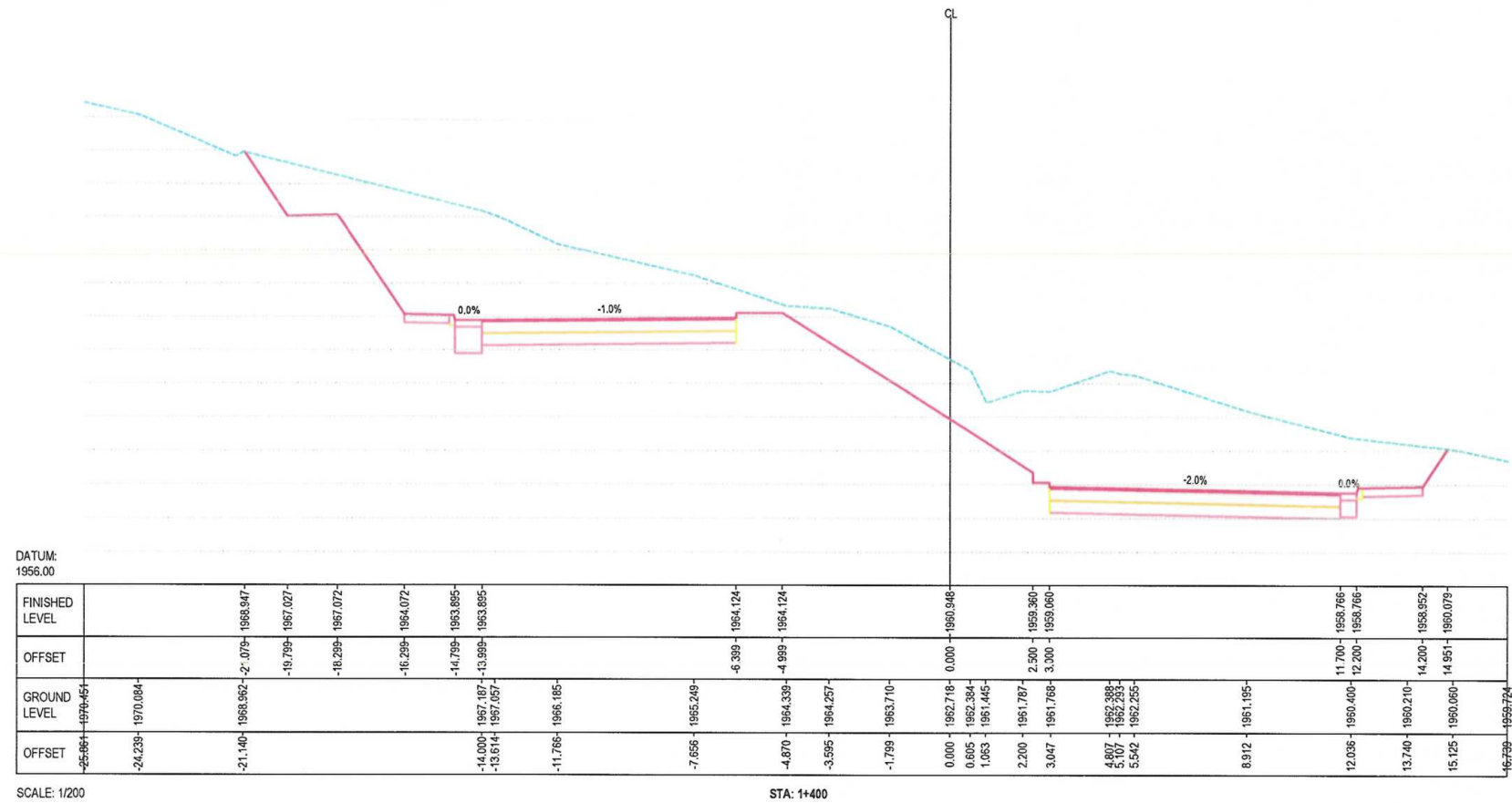
Drawn:	Signature:
Abdul Hadi	
Designed:	Signature:
Abdul Hadi	
Reviewed by:	Signature:
Hasibullah "Shaloz"	
Approved by:	Signature:

Reviewed:	
Date:	Scale:
9/14/2024	

Status:

Project Code

SHEET NO.	Revision
CS315_ (30)	01



NOTE

1. All dimensions are in millimeter unless otherwise indicated

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi

Designed: Abdul Hadi

Reviewed by: Hasibullah "Shalizi"

Approved by:

Reviewed:

Date: 9/14/2024

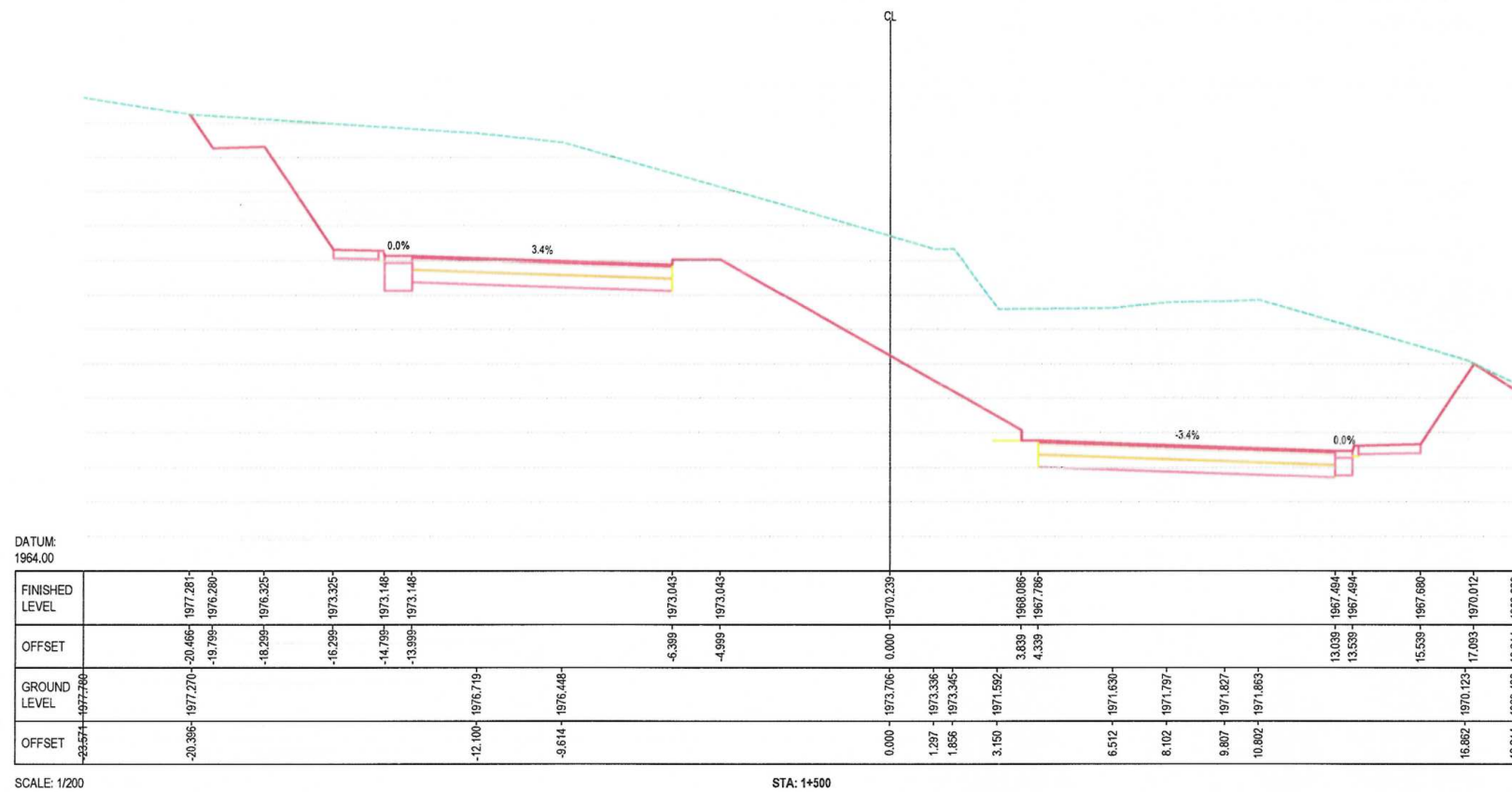
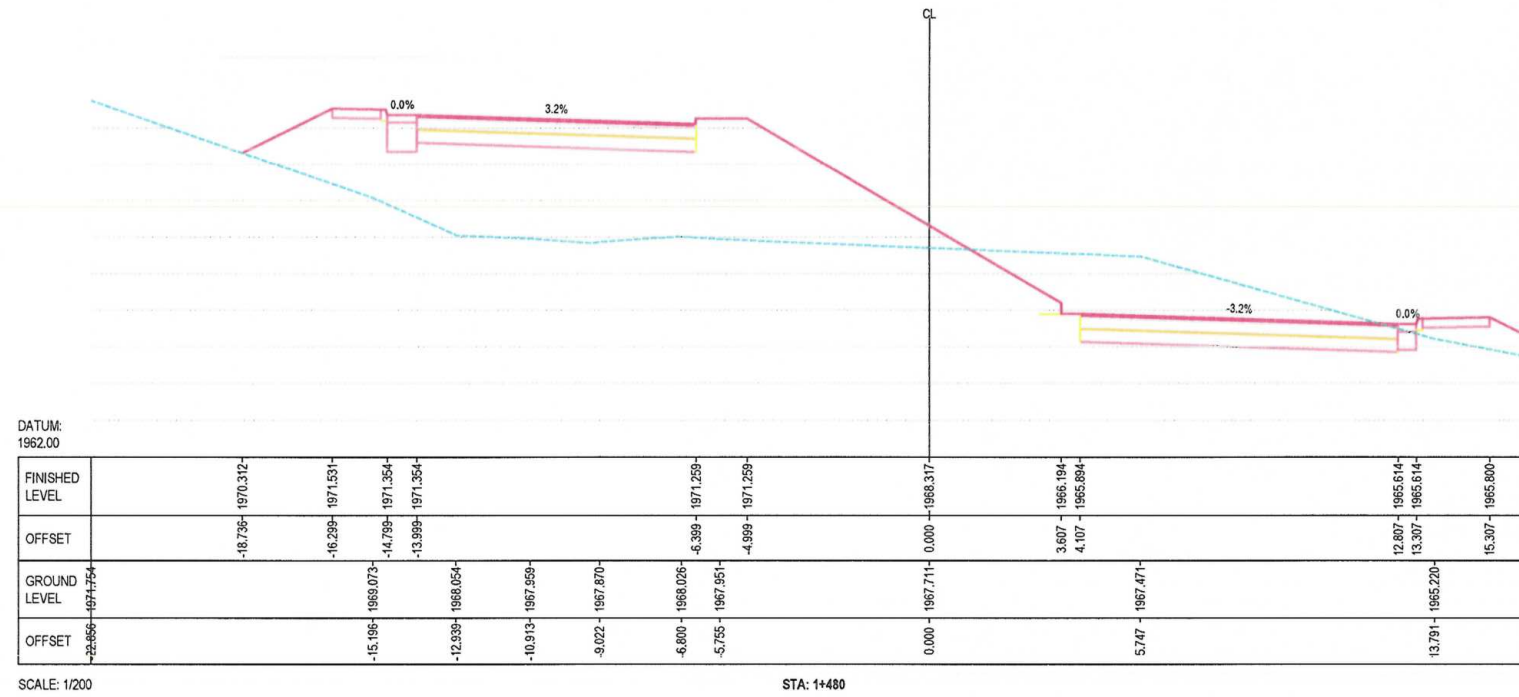
Scale:

Status:

Project Code:

SHEET NO. CS315_ (35)

Revision: 01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn:
Abdul Hadi

Signature:

Designed:
Abdul Hadi

Signature:

Reviewed by:
Hasbullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:
9/14/2024

Scale:

Status:

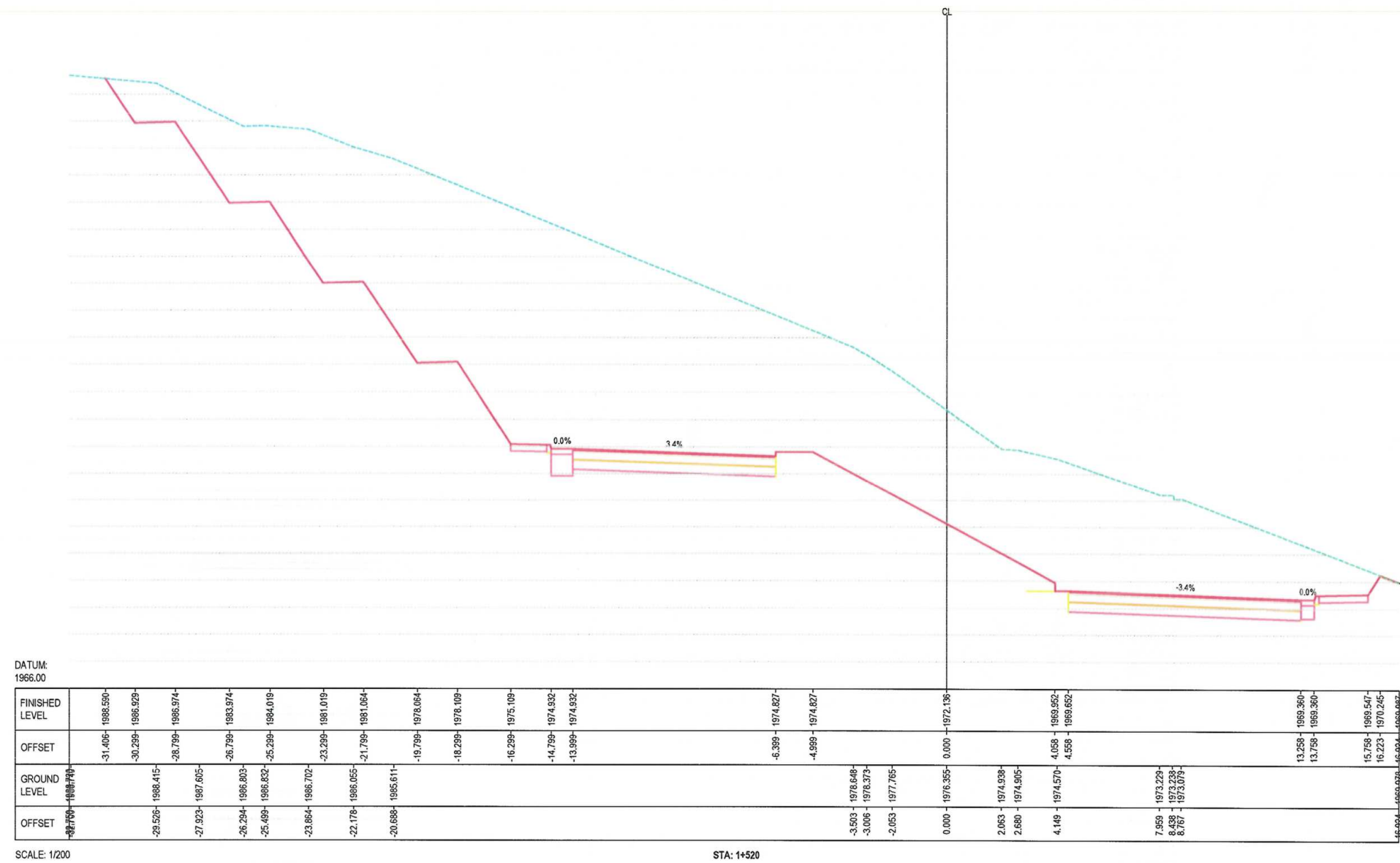
Project Code:

SHEET NO.

CS315_ (37)

Revision

01



DATUM:
1966.00

SCALE: 1/200

STA: 1+520

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Cross section

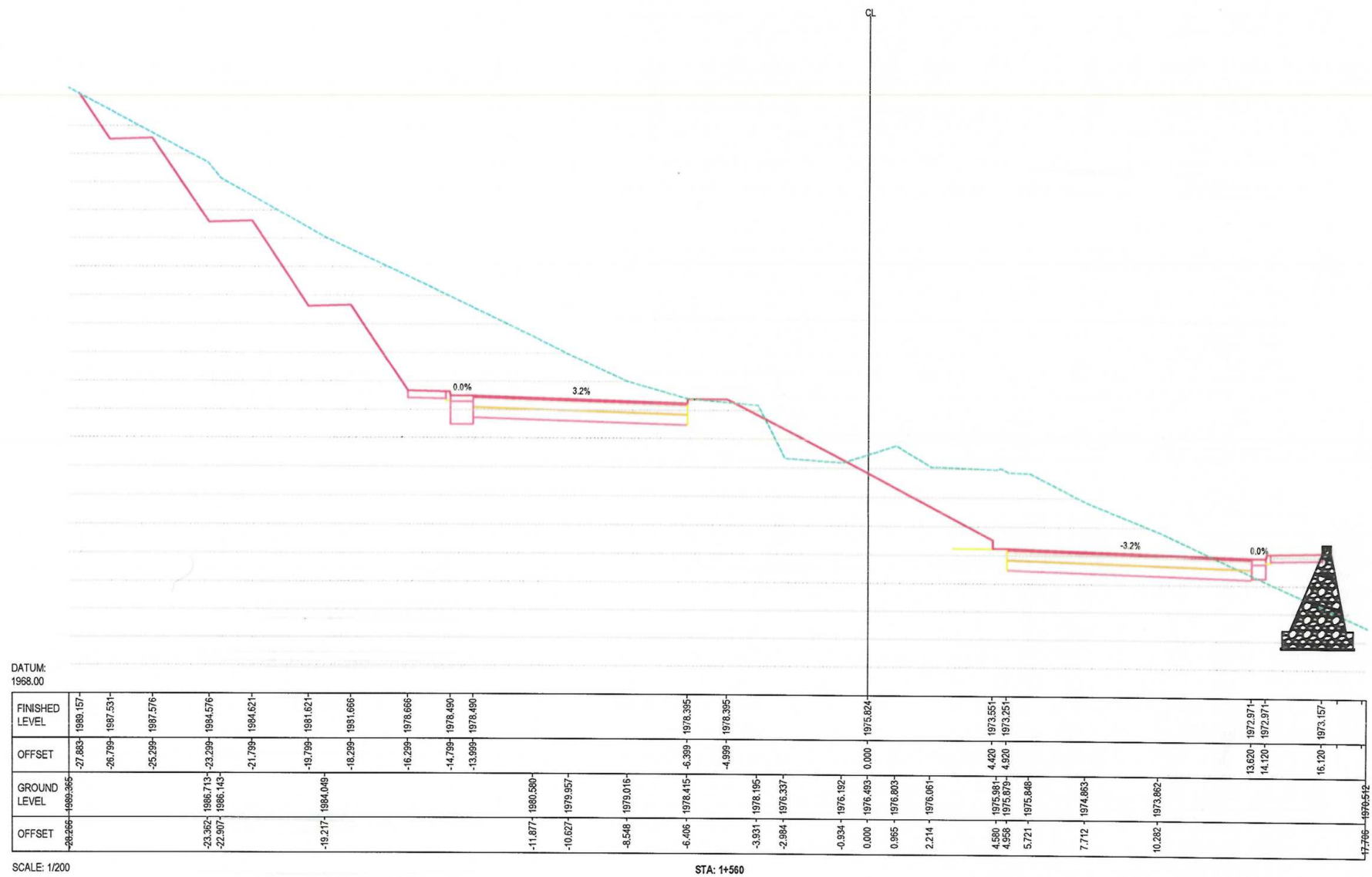
Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:

Signature:
Signature:
Signature:
Signature:

Reviewed:
Date: 9/14/2024
Scale:

Status:
Project Code:

SHEET NO. CS315_ (38)
Revision 01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

Project Code:

SHEET NO.

CS315_ (40)

Revision

01

[illegible]

SCALE: 1/200

STA: 1+580

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



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

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:
Abdul Hadi

Designed:
Abdul Hadi

Reviewed by :
Hasibullah "Shalizi"

Approved by _____

Reviewed:

Date: 9/14/2024

Status:

Project Code	
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SHEET NO.

CS315_(41)

	Revision
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01

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:	Abdul Hadi	Signature:	
Designed:	Abdul Hadi	Signature:	
Reviewed by :	Hasibullah "Shalioz"	Signature:	
Approved by		Signature:	
Reviewed			
Date:	9/14/2024	Scale:	

Status:

Project Code

SHEET NO.
CS315_ (43)

Revision
01

DATUM:
1975.00

FINISHED LEVEL	2007.113	2004.226	2004.271	2001.271	2001.316	1998.316	1998.361	1992.408	1992.451	1989.451	1988.496	1986.541	1983.541	1983.385	1983.385	1983.675	1983.675	1981.314	1978.873	1978.573	1978.756	1978.756	1978.649
OFFSET	-42.723	-40.799	-38.299	-37.299	-35.799	-33.799	-30.299	-26.799	-25.299	-23.299	-21.799	-18.299	-16.299	-14.799	-13.999	-6.399	-4.999	0.000	5.168	5.668	14.368	14.868	16.868
GROUND LEVEL	2007.155	2006.978	2006.917	2006.754	2005.944	2005.755	2005.281	2004.975	2003.465	1999.292	1999.290	1999.183	1994.323	1994.038	1991.317	1988.109	1988.884	1988.759	1987.021	1983.631	1981.877	1979.868	1978.493
OFFSET	-63.649	-38.718	-38.715	-38.510	-35.332	-33.482	-28.303	-28.905	-28.355	-23.596	-19.788	-16.241	-15.323	-14.755	-2.555	-5.478	-3.755	0.000	7.055	10.162	15.087	18.318	18.318

SCALE: 1/200

STA: 1+620

DATUM:
1976.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
2007.077	-30.283	1997.255	-30.947
2004.100	-37.239	2006.490	-36.772
2004.145	-35.799	2006.025	-35.498
2001.145	-33.799	2005.199	-34.082
2001.190	-32.299		
1998.190	-30.299	2003.816	-30.499
1998.235	-28.799	2003.706	-29.948
1995.235	-26.799	2002.791	-27.194
1995.280	-25.299		
1992.280	-23.299	2001.038	-24.074
1992.325	-21.799	2000.451	-22.687
1988.325	-19.799		
1989.370	-18.299	1997.433	-18.641
1986.370	-16.299	1995.687	-15.888
1986.194	-14.799	1996.619	-14.726
1986.194	-13.999	1995.587	-12.825
		1995.379	-12.525
1986.504	-6.399		
1986.504	-4.999		
1985.006	0.000	1995.576	0.000
1981.872	10.457		
1981.572	10.557		
1981.755	18.657		
1981.755	20.157		
1981.942	22.157		

SCALE: 1/200

STA: 1+660

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date 9/14/2024	Scale:

Status:

Project Code

SHEET NO.
CS315_ (45)

Revision
01

DATUM:
1975.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
2009.4024	-31.561	2000.363	-31.561
1999.597	-30.760	2000.031	-30.669
1999.395	-30.239		
1999.350	-28.759		
1996.350	-26.759		
1996.395	-25.299		
1993.395	-24.079	1998.073	-24.731
	-23.239	1997.957	-24.079
1993.400	-21.759	1997.477	-23.188
	-19.759	1996.553	-21.370
1990.440	-18.299		
1990.495	-16.299		
1987.485	-14.799		
1987.308	-13.899		
1987.308	-12.399		
1987.618	-6.399		
1987.618	-4.399		
1987.317	-2.895		
1987.339	-0.337		
1987.196	0.000		
1986.382	11.827		
		14.027	1982.912
		14.527	1982.612
		14.817	1980.855
		15.147	1980.811
		20.227	1982.745
		23.727	1982.745
		25.727	1982.582
		27.619	1982.281

SCALE: 1/200

STA: 1+680

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

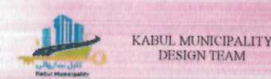
LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

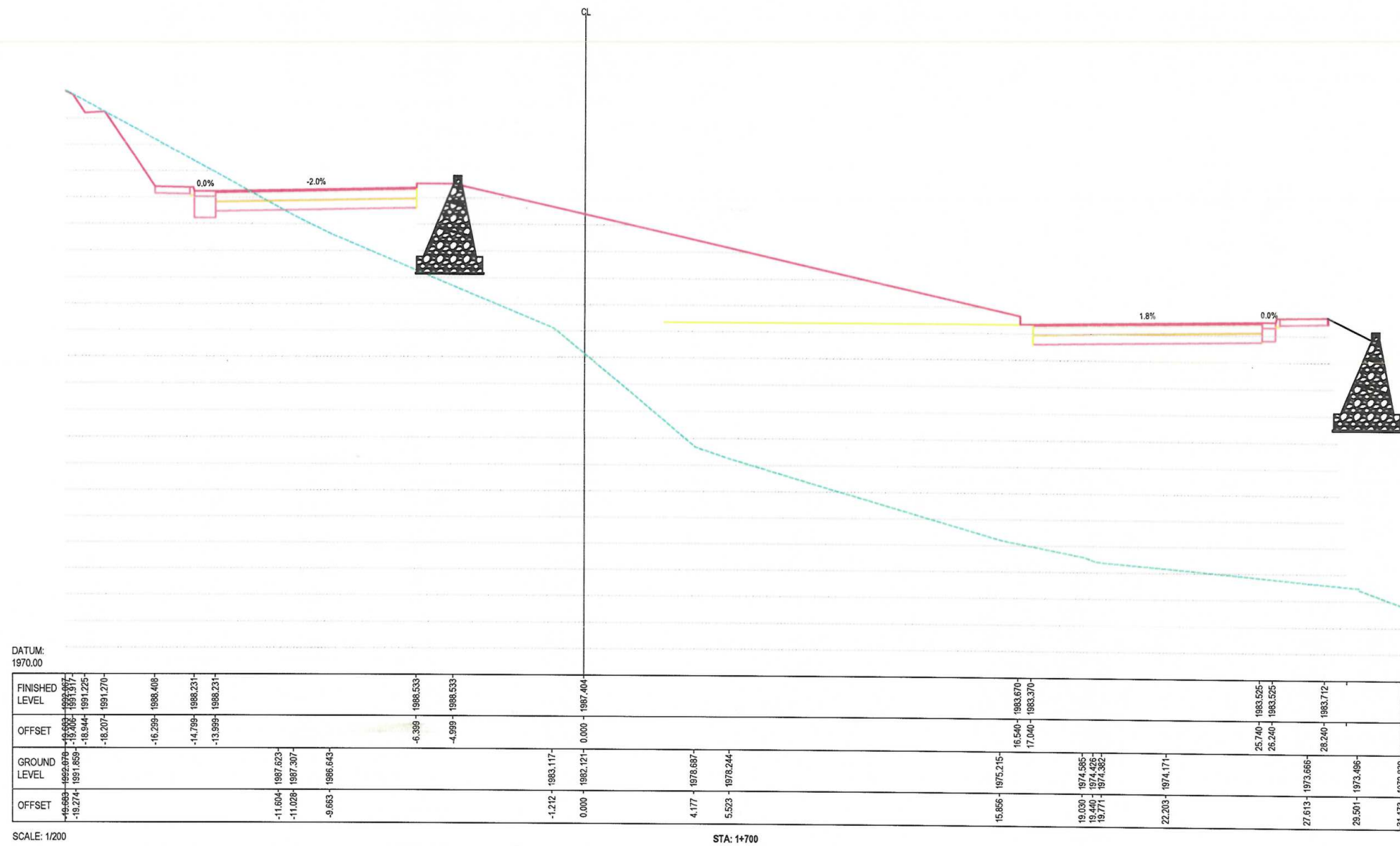
Cross section

Drawn:	Signature
Designed:	Signature
Reviewed by:	Signature
Approved by:	Signature
Reviewed:	
Date:	Scale:
9/14/2024	

Status:

Project Code

SHEET NO.	Revision
CS315_ (46)	01



NOTE:

1. All dimensions are in millimeter unless otherwise indicated

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

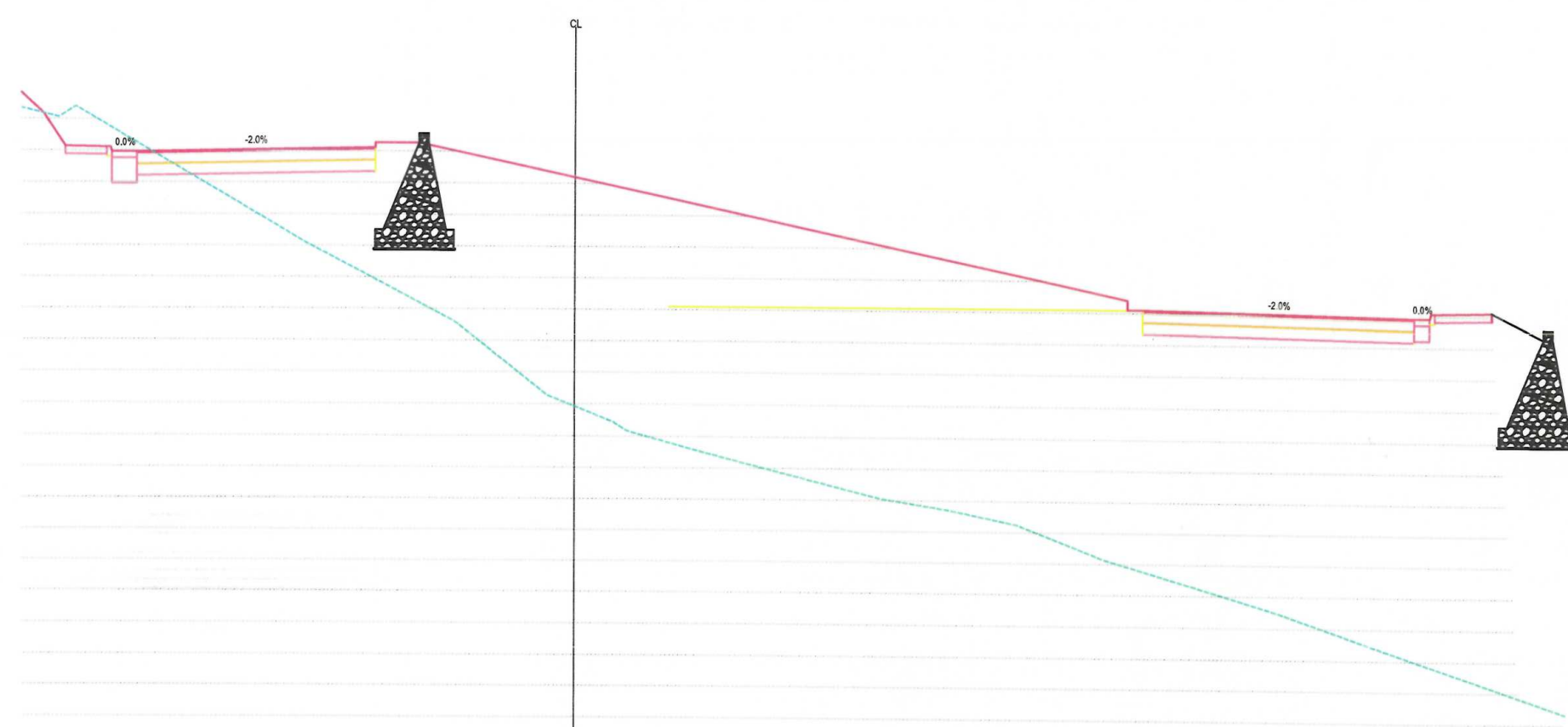
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature
Reviewed by: Hasibullah "Shalizi"	Signature
Approved by	Signature
Reviewed:	
Date: 9/14/2024	Scale

Status:

Project Code

SHEET NO. CS315_ (47)	Revision 01
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DATUM:
1989.00

FINISHED LEVEL	1990.647	1990.193	1989.143	1988.967	1988.289	1988.289	1988.201	1984.415	1983.941	1984.128	1984.128
OFFSET	-17.708	-16.399	-16.208	-14.798	-6.389	-4.989	0.000	17.719	27.419	29.419	29.419
GROUND LEVEL	1990.395	1990.076	1990.413	1990.413	1989.594	1989.594	1989.594	1984.415	1983.941	1984.128	1984.128
OFFSET	-17.708	-16.399	-16.208	-14.798	-6.389	-4.989	0.000	17.719	27.419	29.419	29.419

SCALE: 1/200

STA: 1+720

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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:
Reviewed:
Date: 9/14/2024
Scale:

Status:
Project Code

SHEET NO. CS315_ (48)
Revision 01

DATUM:
1974.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
1995.688	-23.759	1995.677	-23.759
1995.821	-22.816	1995.821	-22.816
1995.725	-22.193	1995.725	-22.193
1995.547	-21.565	1995.547	-21.565
1992.898	-19.835	1994.835	-19.835
1992.943	-18.209	1992.943	-18.209
1989.943	-16.298	1989.943	-16.298
1989.766	-14.795	1989.766	-14.795
1989.766	-13.995	1989.766	-13.995
1990.068	-6.389	1990.068	-6.389
1990.068	-4.999	1990.068	-4.999
1989.011	0.000	1989.011	0.000
	3.148	1984.811	3.148
	4.064	1984.398	4.064
	4.782	1984.166	4.782
	5.845	1983.916	5.845
	6.620	1983.735	6.620
	8.342	1983.747	8.342
	8.996	1983.841	8.996
	9.456	1983.824	9.456
	13.806	1982.254	13.806
	22.198	1979.314	22.198
	26.694	1977.990	26.694
	26.215	1984.939	26.215
	26.715	1984.939	26.715
	28.715	1985.125	28.715
	30.987	1976.579	30.987

SCALE: 1/200

STA: 1+740

NOTE:

1. All dimensions are in millimeter unless
otherwise indicated

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

Project Code

SHEET NO.

CS315_ (49)

Revision

01

DATUM:
1978.00

FINISHED LEVEL	2004.162	2000.702	2000.485	2000.257	1999.965	1998.625	1998.570	1995.570	1995.715	1992.715	1992.538	1992.538	1992.900	1992.900	1991.521	1988.285	1988.207	1988.394
OFFSET	-25.281	-25.453	-25.088	-24.680	-24.192	-23.299	-21.799	-19.799	-18.299	-16.299	-14.799	-13.999	-6.399	-4.999	0.000	11.802	21.002	23.502
GROUND LEVEL	2008.739	2006.257	2005.573	2005.137	2004.153	2001.924	2000.369	1995.369	1993.416	1991.416	1987.738	1986.538	1989.299	1987.900	1986.521	1986.385	21.302	23.502
OFFSET	-25.281	-25.453	-25.088	-24.680	-24.192	-23.299	-21.799	-19.799	-18.299	-16.299	-14.799	-13.999	-6.399	-4.999	0.000	12.089	23.041	26.559

SCALE: 1/200

STA: 1+780

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shulizy"	Signature:
Approved by	Signature:
Reviewed:	
Date: 9/14/2024	Scale:
Status:	
Project Code	
SHEET NO. CS315_(51)	Revision 01



SCALE: 1/200

STA: 1+800

	NOTE
--	------

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	App

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Designed:

Abdul Hadi
Reviewed by : Hasibullah "Shalizu"

Approved by _____

Approved by _____

Reviewed

11

Date:

Status:

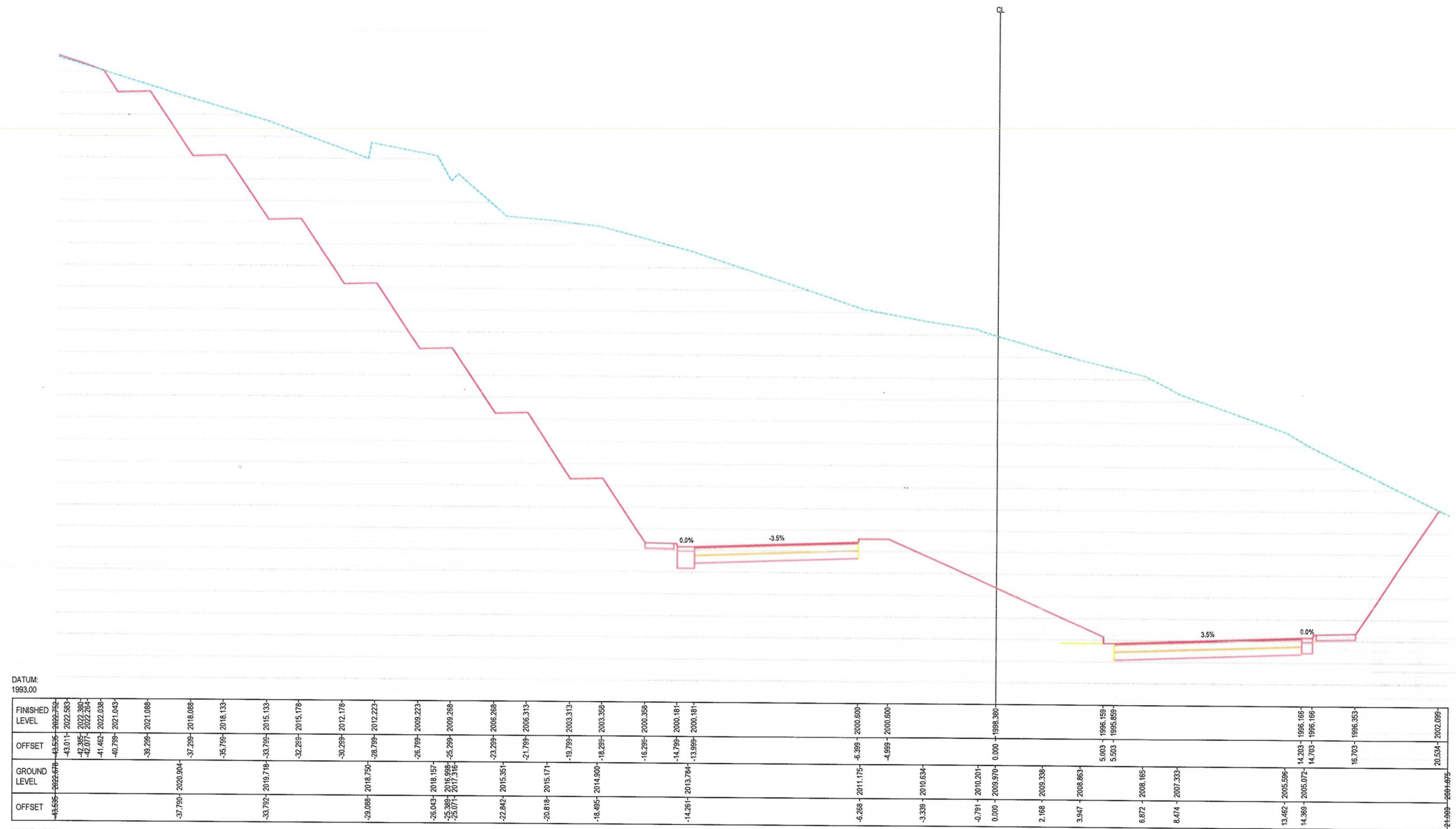
Project Code

SHEET NO.

CS315 (52)

Revision

01



SCALE: 1/200 STA: 14860

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code:

SHEET NO. CS315_ (55)	Revision 01
--------------------------	----------------

DATUM:
1993.00

FINISHED LEVEL	-35.251+ 2021.411+	-33.799+ 2019.232+	-32.299+ 2019.277+	-30.299+ 2016.277+	-28.799+ 2016.322+	-26.799+ 2013.322+	-25.395+ 2013.367+	-23.274+ 2015.365+ 2010.367+	-22.626+ 2014.313+	-21.799+ 2010.412+	-19.643+ 2011.833+ 2007.412+	-18.407+ 2011.882+ 2007.457+	-16.299+ 2004.457+	-14.799+ 2004.280+	-13.894+ 2011.544+ 2004.280+	-8.050+ 2008.631+	-0.725+ 2004.922+	0.000+ 2004.514+ 2001.618+	2.500+ 2000.226+ 1999.926+	11.700+ 1999.773+ 12.200+ 1999.773+	14.200+ 1999.950+
OFFSET	-35.251+	-33.799+	-32.299+	-30.299+	-28.799+	-26.799+	-25.395+	-23.274+	-22.626+	-21.799+	-19.643+	-18.407+	-16.299+	-14.799+	-13.894+	-8.050+	-0.725+	0.000+	2.500+	11.700+	14.200+
GROUND LEVEL	-35.549+ 2021.594+	-34.099+ 2019.424+	-32.599+ 2019.469+	-30.599+ 2016.469+	-29.099+ 2016.514+	-27.099+ 2013.514+	-25.695+ 2013.546+	-23.574+ 2015.535+ 2010.537+	-22.926+ 2014.533+	-22.099+ 2010.512+	-19.943+ 2011.833+ 2007.412+	-18.707+ 2011.882+ 2007.457+	-16.599+ 2004.457+	-15.099+ 2004.280+	-14.194+ 2011.544+ 2004.280+	-8.350+ 2008.631+	-0.425+ 2004.922+	0.000+ 2004.514+ 2001.618+	2.500+ 2000.226+ 1999.926+	11.700+ 1999.773+ 12.200+ 1999.773+	14.200+ 1999.950+
OFFSET	-35.549+	-34.099+	-32.599+	-30.599+	-29.099+	-27.099+	-25.695+	-23.574+	-22.926+	-22.099+	-19.943+	-18.707+	-16.599+	-15.099+	-14.194+	-8.350+	-0.425+	0.000+	2.500+	11.700+	14.200+

SCALE: 1/200

STA: 1+900

CL

NOTE

1. All dimensions are in millimeter unless otherwise indicated

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



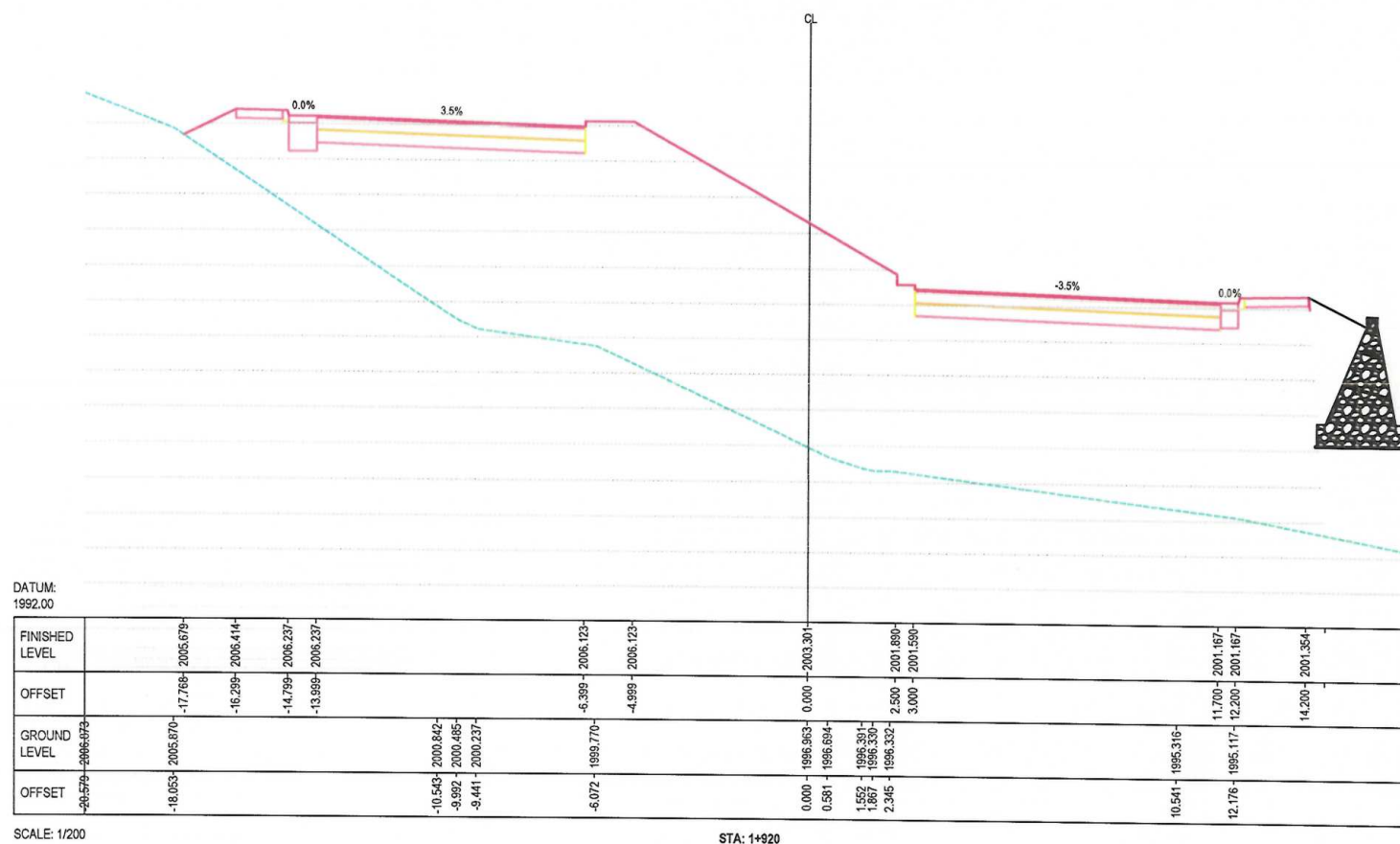
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:
Reviewed:
Date: 9/14/2024
Scale:

Status:
Project Code:
SHEET NO. CS315_ (57)
Revision: 01



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

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

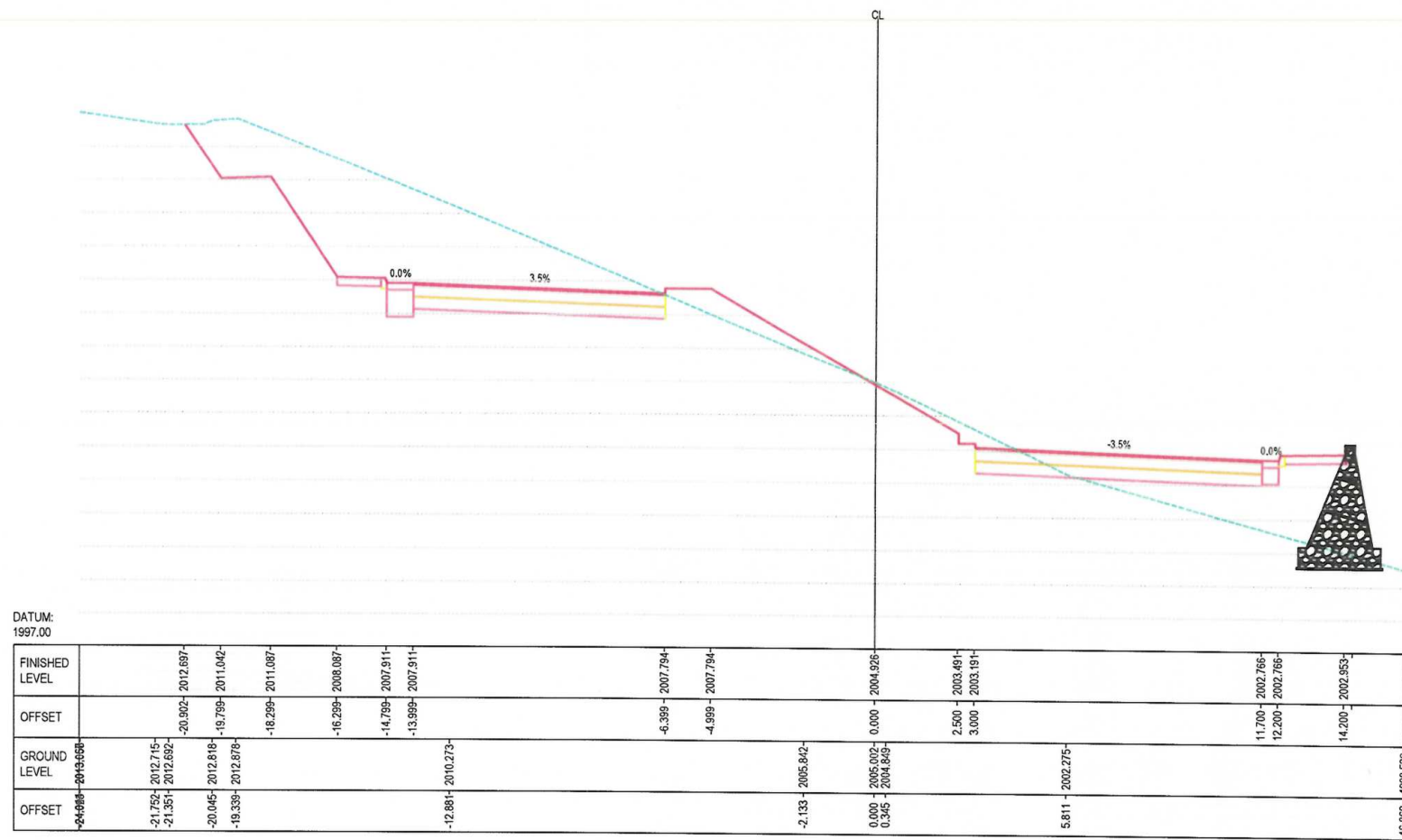
Drawing Title:
Cross section

Drawn:
Abdul Hadi
Signature:
Designed:
Abdul Hadi
Signature:
Reviewed by:
Hasibullah "Shaloz"
Signature:
Approved by:
Signature:

Reviewed:
Date:
9/14/2024
Scale:

Status:
Project Code

SHEET NO.
CS315_ (58)
Revision
01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

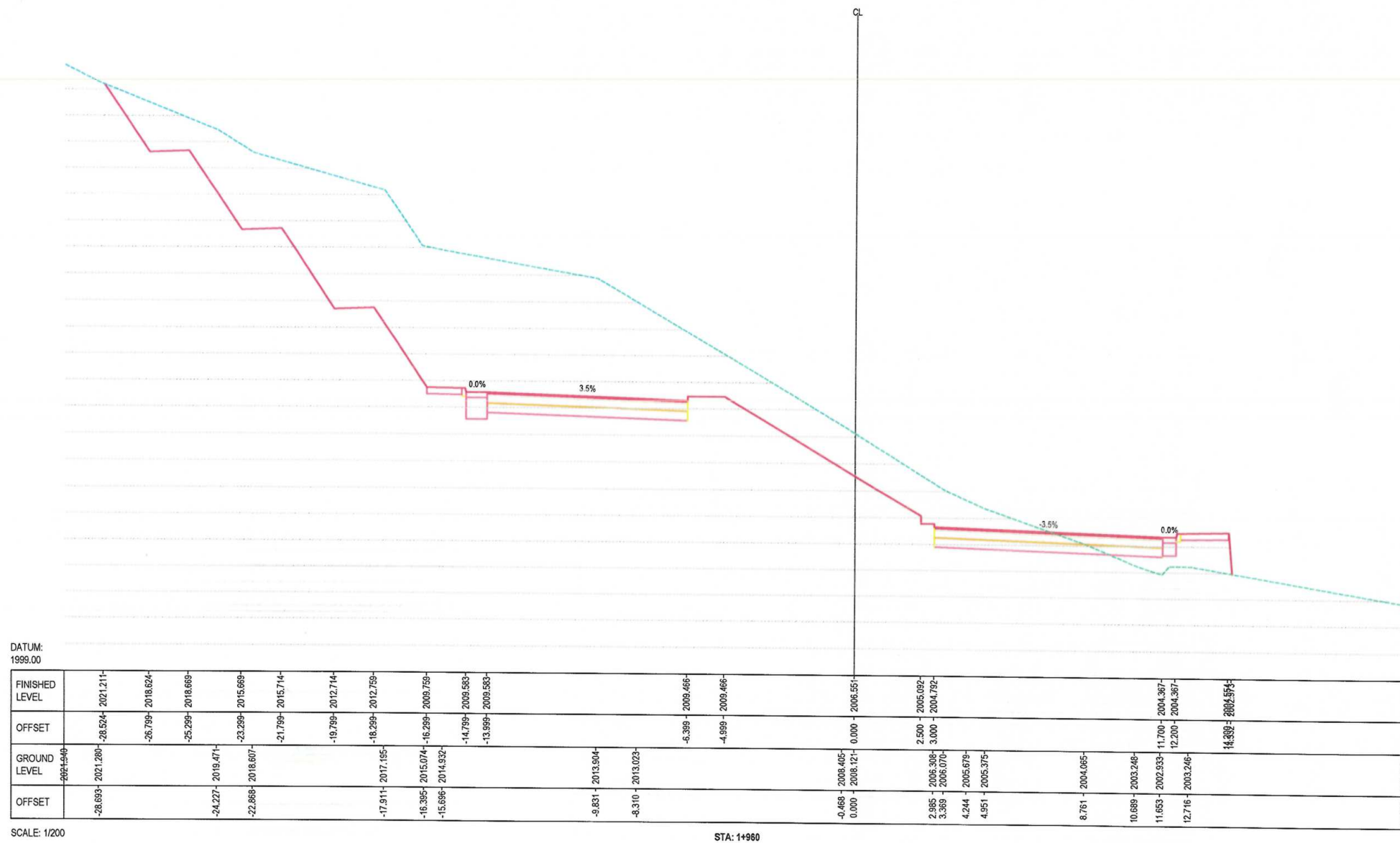
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:

Status:
Project Code

SUBSET NO. CS315_ (59)	Revision 01
---------------------------	----------------



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

Project Code:

SHEET NO.

CS315_ (60)

Revision

01

DATUM:
2003.00

FINISHED LEVEL	2018.791-	2017.348-	2017.393-	2014.393-	2014.438-	2011.438-	2011.262-	2011.262-		2011.145-	2008.178-	2006.894-	2006.394-	2005.989-	2005.989-	2006.155-	2009.018-
OFFSET	-24.261	-23.299	-21.799	-19.799	-18.299	-16.299	-14.799	-13.999		-6.399	-4.999	2.500	3.000	11.700	12.200	14.200	16.108
GROUND LEVEL	2018.791	2017.348	2017.393	2014.393	2014.438	2011.438	2011.262	2011.262		2011.145	2008.178	2006.894	2006.394	2005.989	2005.989	2006.155	2009.018
OFFSET	-55.666		-20.362			-15.467	-14.860		-12.503	-9.993	-6.865	-6.193	-5.705		9.720	10.447	13.093

SCALE: 1/200

STA: 1+980

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

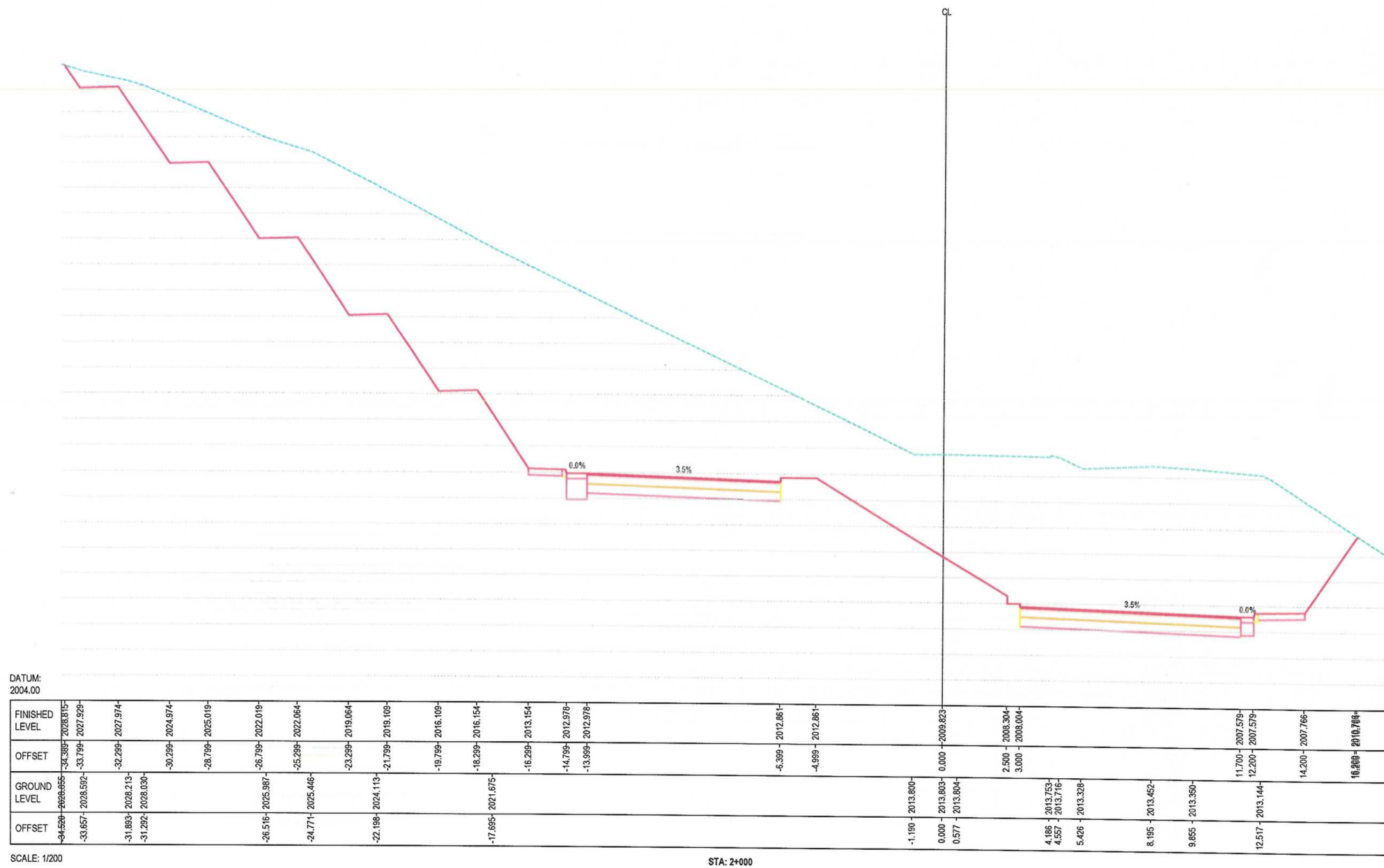
Project Code

SHEET NO.

CS315_ (61)

Revision

01



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

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn:
Abdul Hadi

Designed:
Abdul Hadi

Reviewed by:
Hasibullah "Shalizi"

Approved by:

Reviewed:

Date:
9/14/2024

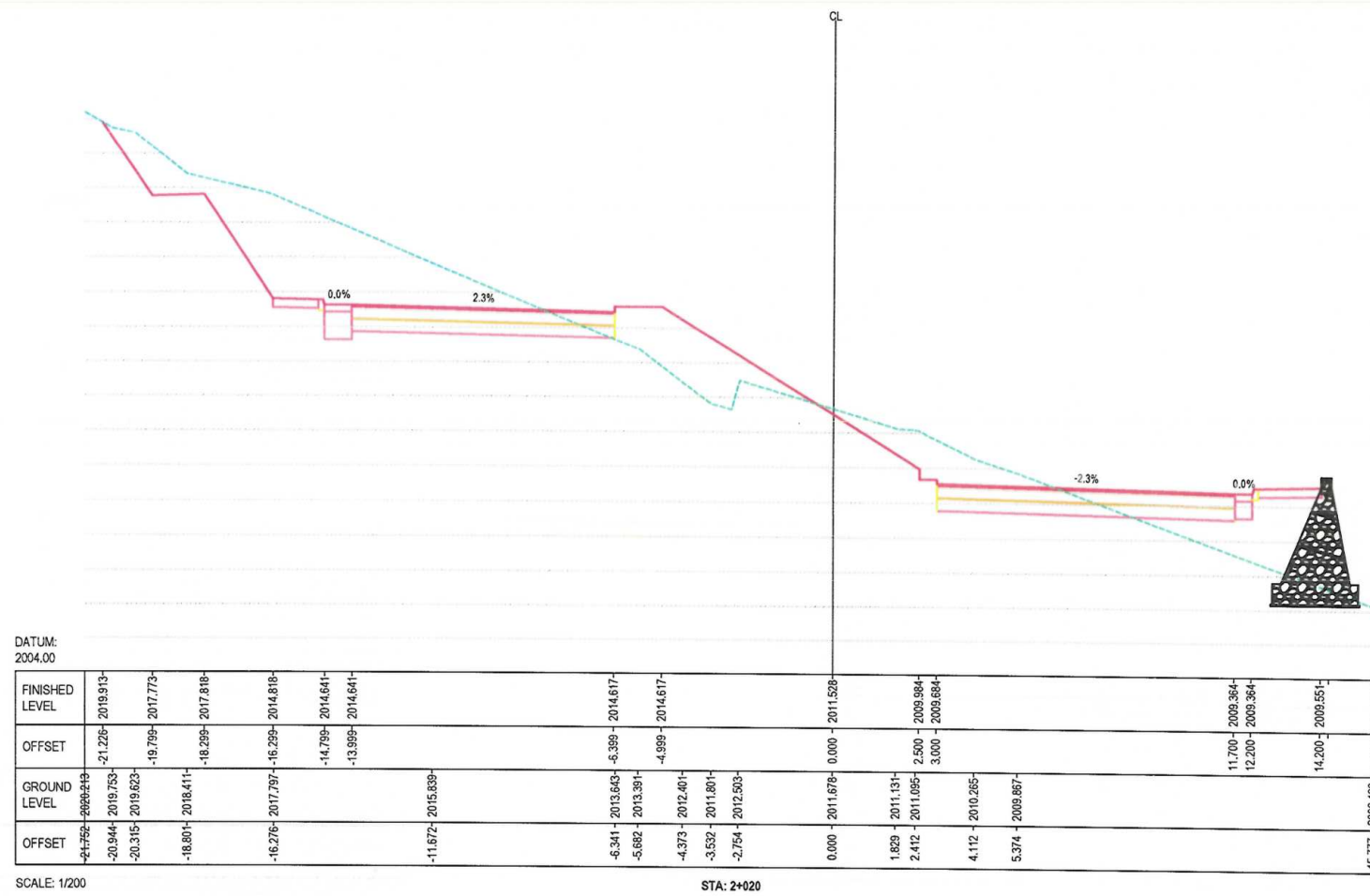
Scale:

Status:

Project Code:

SHEET NO.
CS315_ (62)

Revision
01



DATUM:
2004.00

FINISHED LEVEL	2019.913	2017.773	2017.818	2014.818	2014.641	2014.641	2014.617	2014.617	2011.528	2009.884	2009.884	2009.364	2009.364	2009.551
OFFSET	-21.228	-19.795	-18.298	-16.239	-14.799	-13.399	-6.399	-4.999	0.000	2.500	3.000	11.700	12.200	14.200
GROUND LEVEL	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000	2004.000
OFFSET	-20.944	-20.315	-18.801	-16.276	-14.172	-11.672	-6.341	-4.373	0.000	1.829	2.412	4.112	5.374	16.777

SCALE: 1/200

STA: 2+020

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

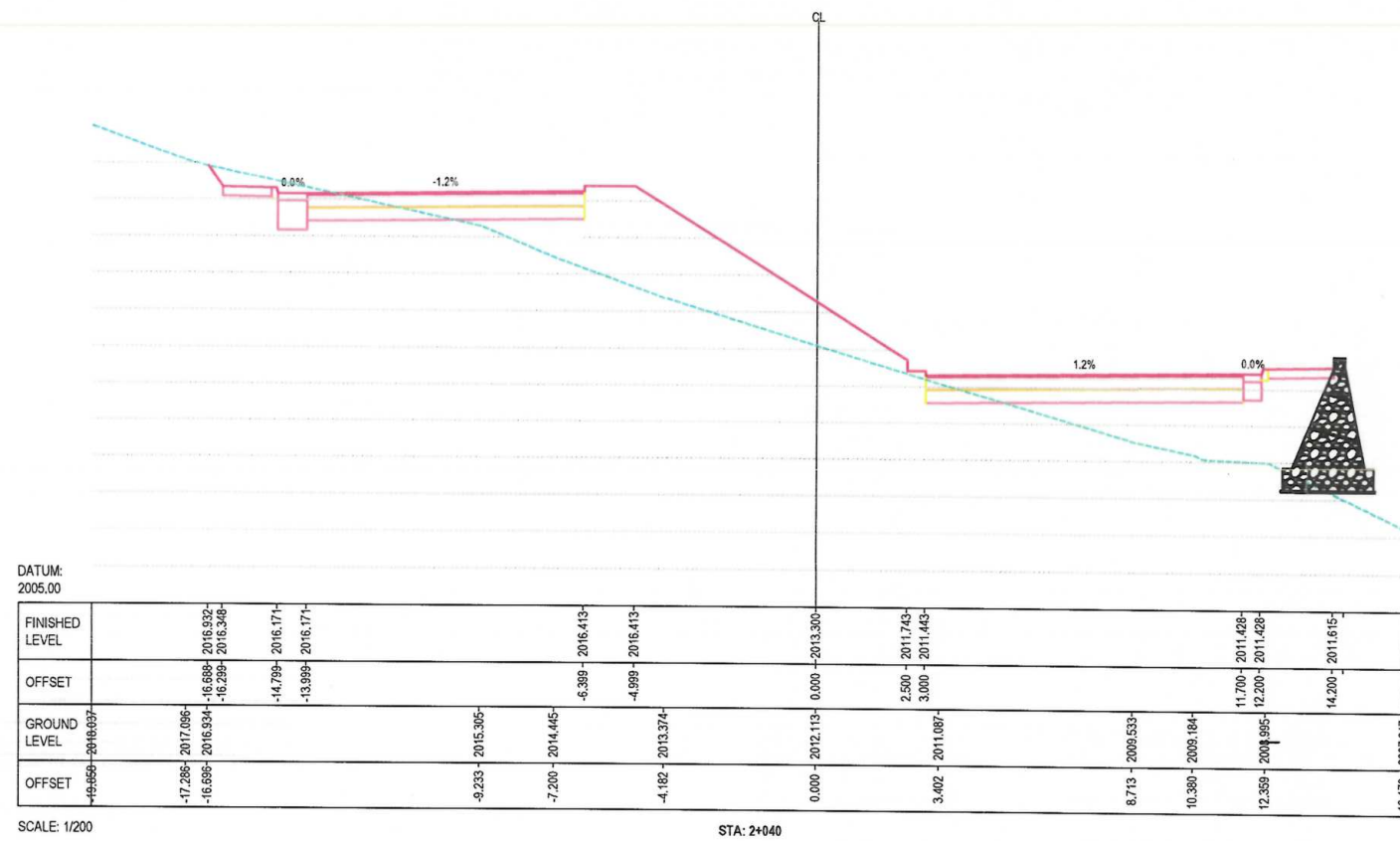
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code

SHEET NO.	Revision
CS315_(63)	01



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

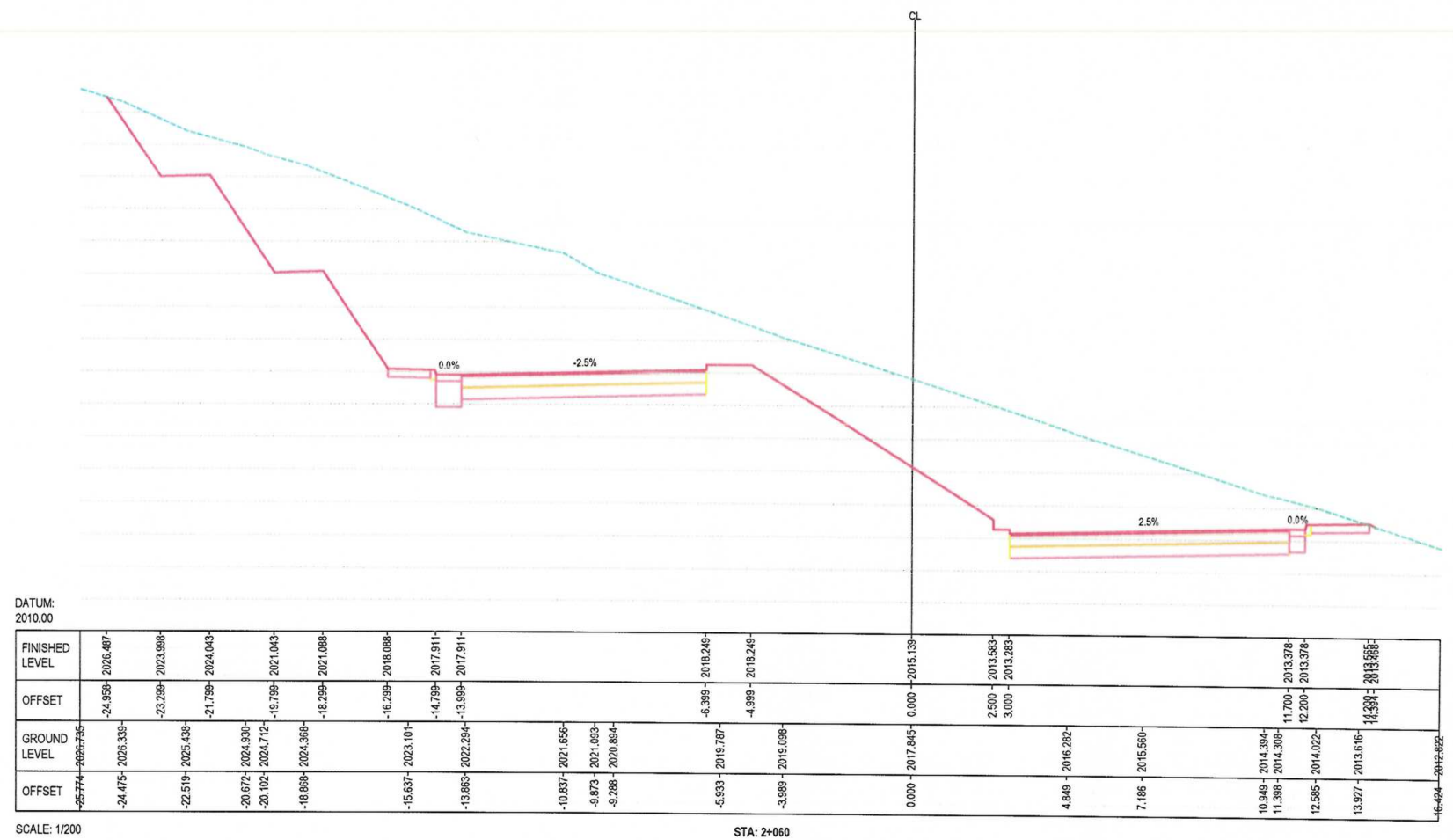
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO. CS315_ (64)	Revision 01
--------------------------	----------------



DATUM:
2010.00

FINISHED LEVEL	-24.958- 2026.487-	-23.299- 2023.998-	-21.799- 2024.043-	-19.799- 2021.043-	-18.299- 2021.088-	-16.299- 2018.088-	-14.799- 2017.911-	-13.999- 2017.911-	-12.249- 2016.249-	-10.249- 2014.249-	-8.249- 2012.249-	-6.359- 2010.249-	-4.999- 2018.249-	0.000- 2015.139-	2.500- 2013.583- 3.000- 2013.283-	4.949- 2016.282-	7.186- 2015.560-	10.949- 2014.394- 11.398- 2014.309-	11.700- 2013.378- 12.200- 2013.378-	14.390- 2013.666-	16.424- 2012.692-
OFFSET	-24.958-	-23.299-	-21.799-	-19.799-	-18.299-	-16.299-	-14.799-	-13.999-	-12.249-	-10.249-	-8.249-	-6.359-	-4.999-	0.000-	2.500- 3.000-	4.949-	7.186-	10.949- 11.398-	11.700- 12.200-	14.390-	16.424-
GROUND LEVEL	-24.475- 2026.339-	-22.519- 2025.438-	-20.672- 2024.930- -20.102- 2024.712-	-18.868- 2024.368-	-15.637- 2023.101-	-13.853- 2022.294-	-10.837- 2021.656- -9.873- 2021.093- -9.288- 2020.884-	-5.933- 2019.787-	-4.999- 2018.249-	0.000- 2017.845-	2.500- 2013.583- 3.000- 2013.283-	4.949- 2016.282-	7.186- 2015.560-	10.949- 2014.394- 11.398- 2014.309-	11.700- 2013.378- 12.200- 2013.378-	14.390- 2013.666-	16.424- 2012.692-				
OFFSET	-24.475-	-22.519-	-20.672- -20.102-	-18.868-	-15.637-	-13.853-	-10.837- -9.873- -9.288-	-5.933-	-4.999-	0.000-	2.500- 3.000-	4.949-	7.186-	10.949- 11.398-	11.700- 12.200-	14.390-	16.424-				

SCALE: 1/200

STA: 2+060

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

LEGENDS

افغانستان اسلامي امارت
کابل ښاروالۍ
د ښاري زیر بناو ویاست

Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

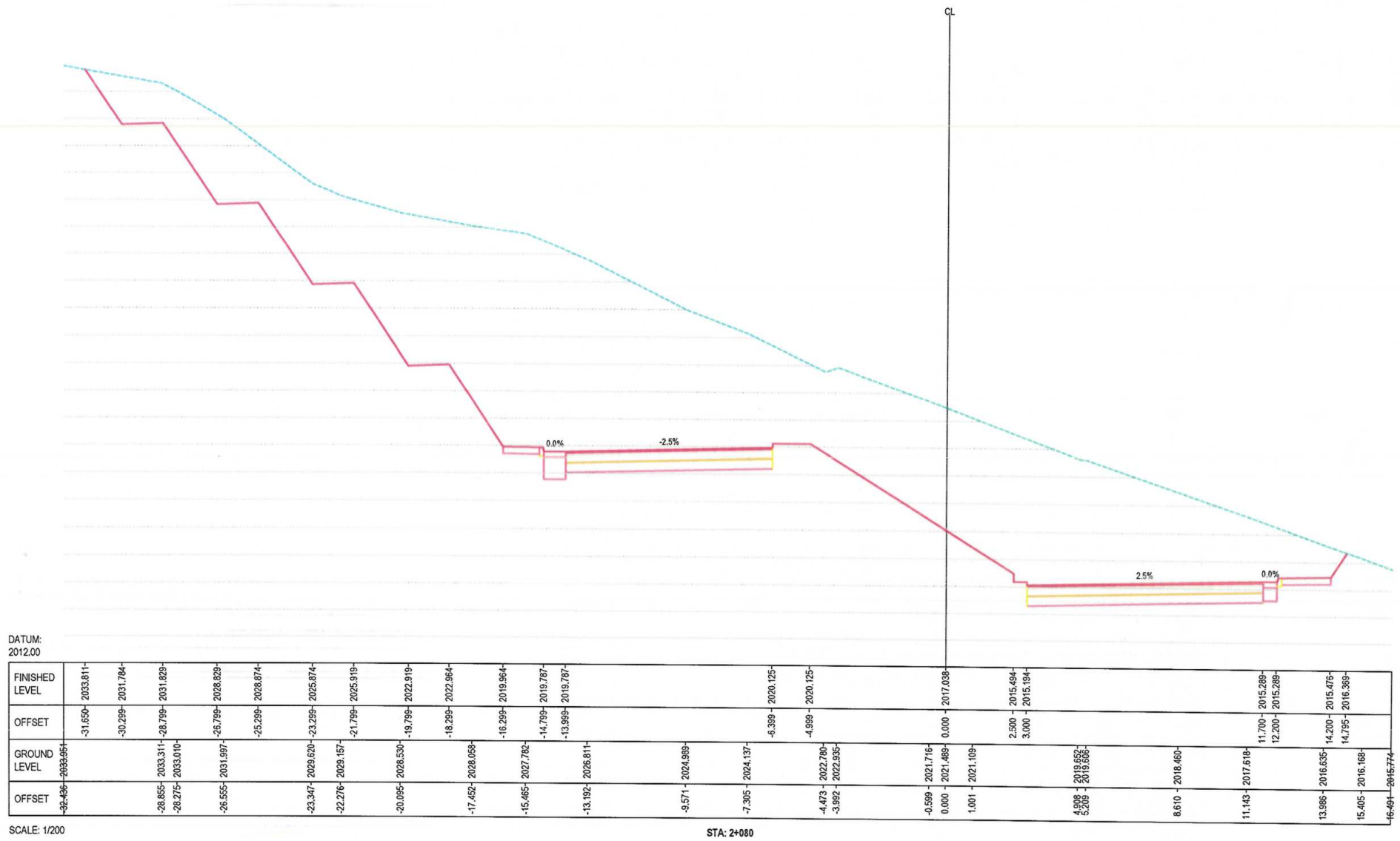
Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:
Status:	
Project Code	
SHHEET NO. CS315_ (65)	Revision 01



DATUM:
2012.00

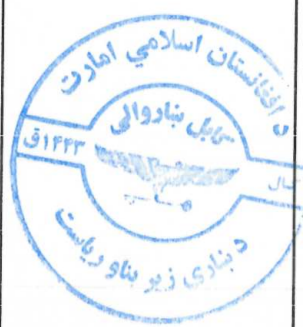
FINISHED LEVEL	-31.650- 2033.811-	-30.299- 2031.784-	-28.855- 2033.311-	-26.555- 2031.997-	-23.347- 2029.620-	-22.276- 2029.157-	-20.095- 2028.530-	-17.452- 2028.058-	-15.465- 2027.782-	-13.192- 2028.811-	-9.571- 2024.989-	-7.395- 2024.137-	-4.473- 2022.780-	-3.992- 2022.935-	-0.599- 2021.716-	0.000- 2021.489-	1.001- 2021.109-	4.998- 2019.652- 5.209- 2019.606-	8.610- 2018.460-	11.143- 2017.819-	13.986- 2016.635-	14.200- 2015.476-	14.795- 2016.399-	16.491- 2016.774-
OFFSET	-31.650-	-30.299-	-28.799-	-25.799-	-23.299-	-21.799-	-19.799-	-18.299-	-14.799-	-13.999-	-6.399-	-4.999-	0.000-	0.000-	0.000-	1.001-	2.500- 3.000-	4.998- 5.209-	8.610-	11.700- 12.200-	14.200-	14.795-	16.491-	
GROUND LEVEL	-30.436- 2033.954-	-28.855- 2033.311-	-26.555- 2031.997-	-23.347- 2029.620-	-22.276- 2029.157-	-20.095- 2028.530-	-17.452- 2028.058-	-15.465- 2027.782-	-13.192- 2028.811-	-9.571- 2024.989-	-7.395- 2024.137-	-4.473- 2022.780-	-3.992- 2022.935-	-0.599- 2021.716-	0.000- 2021.489-	1.001- 2021.109-	4.998- 2019.652- 5.209- 2019.606-	8.610- 2018.460-	11.143- 2017.819-	11.700- 2015.289- 12.200- 2015.289-	14.200- 2015.476-	14.795- 2016.399-	16.491- 2016.774-	
OFFSET	-30.436-	-28.855-	-26.555-	-23.347-	-22.276-	-20.095-	-17.452-	-15.465-	-13.192-	-9.571-	-7.395-	-4.473-	-3.992-	-0.599-	0.000-	1.001-	4.998- 5.209-	8.610-	11.143-	11.700- 12.200-	13.986-	14.795-	16.491-	

SCALE: 1/200

STA: 2+080

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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

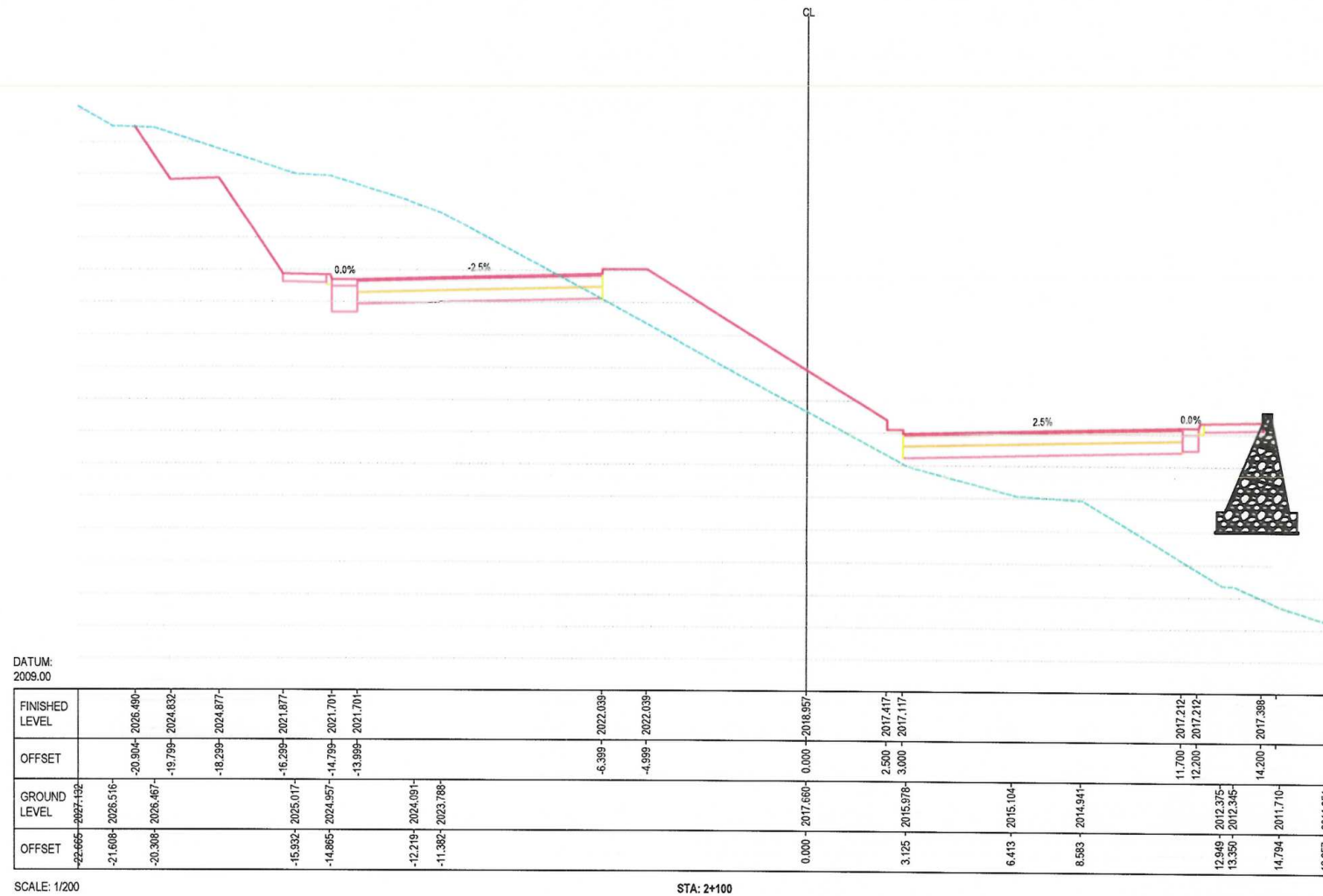
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature: 
Designed: Abdul Hadi	Signature: 
Reviewed by: Hasibullah "Shaloz"	Signature: 
Approved by	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code

SHEET NO.	Revision
CS315_ (66)	01



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

LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by

Signature:

Reviewed:

Date:

9/14/2024

Scale:

Status:

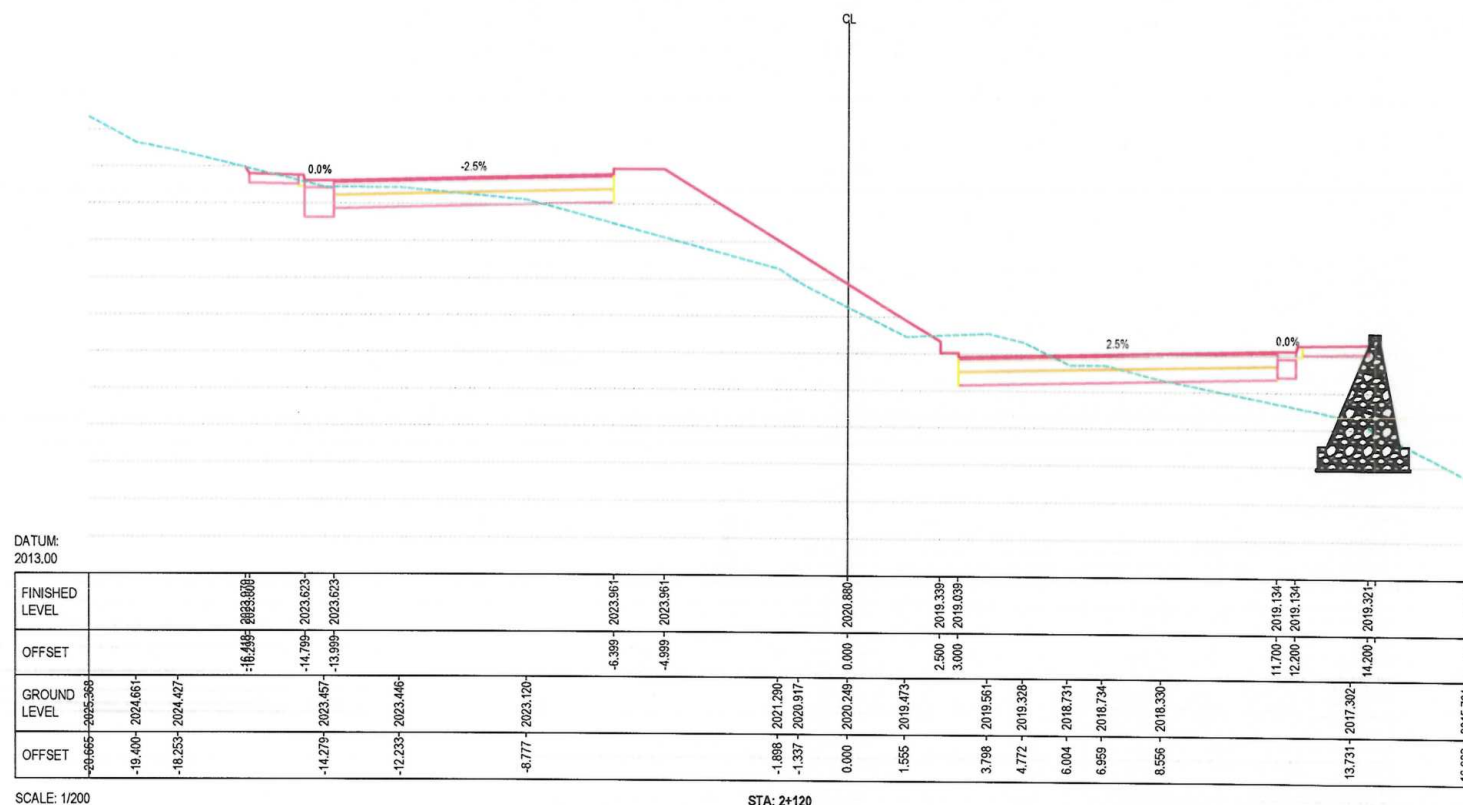
Project Code

SHEET NO.

CS315_ (67)

Revision

01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by

Signature:

Reviewed

Date:

9/14/2024

Scale:

Status:

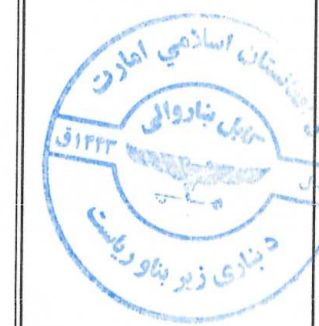
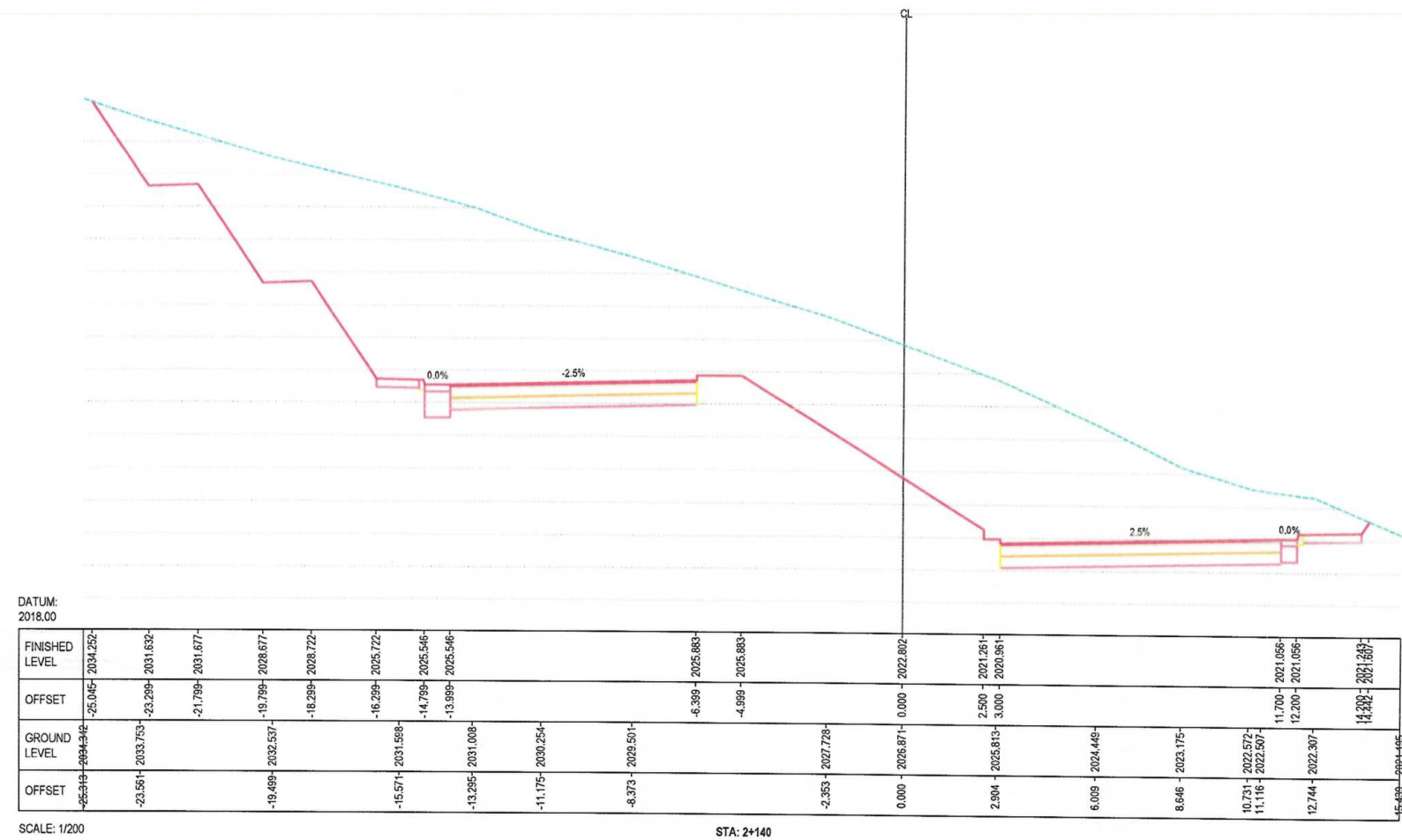
Project Code

SHEET NO.

CS315_ (68)

Revision

01



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalazy"	Signature:
Approved by	Signature:
Reviewed:	
Date 9/14/2024	Scale:
Status:	
Project Code	
SHEET NO. CS315_ (69)	Revision 01

DATUM:
2020.00

FINISHED LEVEL	2042.485	2042.465	2038.465	2038.510	2038.510	2036.555	2033.555	2033.600	2030.600	2030.645	2027.645	2027.688	2027.688	2024.725	2023.184	2022.884	2022.979	2022.979	2022.359
OFFSET	33.259	32.259	30.259	28.759	26.759	25.259	23.259	21.759	19.759	18.259	16.259	14.759	13.959	0.000	2.500	3.000	11.700	12.200	14.800
GROUND LEVEL	2042.510	2042.510	2042.510	2040.604	2040.604	2038.658	2035.703	2034.522	2032.888	2032.159	2031.650	2030.526	2029.521	2027.628	2027.206	2025.979	2025.911	2022.481	
OFFSET	33.530	31.288		26.208	21.340	16.625	12.702	8.693	3.968	3.627	2.583	0.000	2.311	6.073	6.890	9.300	10.415	15.562	

SCALE: 1/200

STA: 2+160

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hassibullah "Shaloo"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO.

CS315_ (70)

Revision

01

DATUM:
2021.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
2066.446	-40.264	2066.182	-40.264
2050.178	-39.299	2050.505	-39.299
2047.176	-37.299		-37.299
2047.223	-35.799		-35.799
2044.223	-33.799		-33.799
2044.268	-32.299	2048.124	-32.740
2041.268	-30.299		-30.299
2041.313	-28.799		-28.799
2038.313	-26.799	2045.111	-25.826
2038.358	-25.299		-25.299
2035.358	-23.299		-23.299
2035.403	-21.799	2043.246	-21.151
2032.403	-19.799		-19.799
2032.448	-18.299		-18.299
2029.448	-16.299		-16.299
2029.271	-14.799	2040.234	-14.378
2029.271	-13.999		-13.999
2029.809	-8.399	2037.228	-6.777
2029.809	-4.999		-4.999
2026.528	0.000	2033.433	-1.937
2024.987	2.500	2031.787	3.182
2024.681	3.000	2031.226	4.253
		2030.861	5.010
		2030.671	5.321
2024.782	11.700	2028.242	11.235
2024.782	12.200		
2024.989	14.200	2027.149	13.384
2026.205	15.024		
2025.627	-66.835		

SCALE: 1/200

STA: 2+180

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale

Status:

Project Code

SHEET NO.	Revision
CS315_(71)	01

DATUM:
2023.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
-45.597 - 2056.702	-45.597	-45.597	-45.597
-44.299 - 2054.755	-44.299	-44.299	-44.299
-42.799 - 2054.800	-42.799	-42.799	-42.799
-40.799 - 2051.800	-40.799	-40.799	-40.799
-39.299 - 2051.845	-39.299	-39.299	-39.299
-37.299 - 2048.845	-37.299	-37.299	-37.299
-35.799 - 2048.890	-35.799	-35.799	-35.799
-33.697 - 2045.890	-33.697	-33.697	-33.697
-32.299 - 2045.935	-32.299	-32.299	-32.299
-30.299 - 2042.935	-30.299	-30.299	-30.299
-28.653 - 2042.980	-28.653	-28.653	-28.653
-26.799 - 2039.980	-26.799	-26.799	-26.799
-25.299 - 2040.025	-25.299	-25.299	-25.299
-23.299 - 2037.025	-23.299	-23.299	-23.299
-21.799 - 2037.070	-21.799	-21.799	-21.799
-19.799 - 2034.070	-19.799	-19.799	-19.799
-18.299 - 2034.115	-18.299	-18.299	-18.299
-16.450 - 2045.127	-16.450	-16.450	-16.450
-14.799 - 2030.938	-14.799	-14.799	-14.799
-13.999 - 2030.938	-13.999	-13.999	-13.999
-12.870 - 2043.301	-12.870	-12.870	-12.870
-6.399 - 2031.022	-6.399	-6.399	-6.399
-4.999 - 2031.022	-4.999	-4.999	-4.999
0.000 - 2036.424	0.000	0.000	0.000
2.500 - 2026.400	2.500	2.500	2.500
3.000 - 2026.100	3.000	3.000	3.000
4.816 - 2034.193	4.816	4.816	4.816
5.577 - 2033.886	5.577	5.577	5.577
7.203 - 2032.769	7.203	7.203	7.203
11.700 - 2025.905	11.700	11.700	11.700
12.200 - 2025.905	12.200	12.200	12.200
14.200 - 2026.091	14.200	14.200	14.200
14.934 - 2027.193	14.934	14.934	14.934
15.427 - 2026.839	15.427	15.427	15.427
16.670 - 2026.699	16.670	16.670	16.670

SCALE: 1/200

STA: 2+200

NOTE

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.
------	------	------------------	-------	------	-------

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:	Signature:
Designed:	Signature:
Reviewed by:	Signature:
Approved by:	Signature:
Reviewed:	
Date:	Scale:
9/14/2024	

Status:

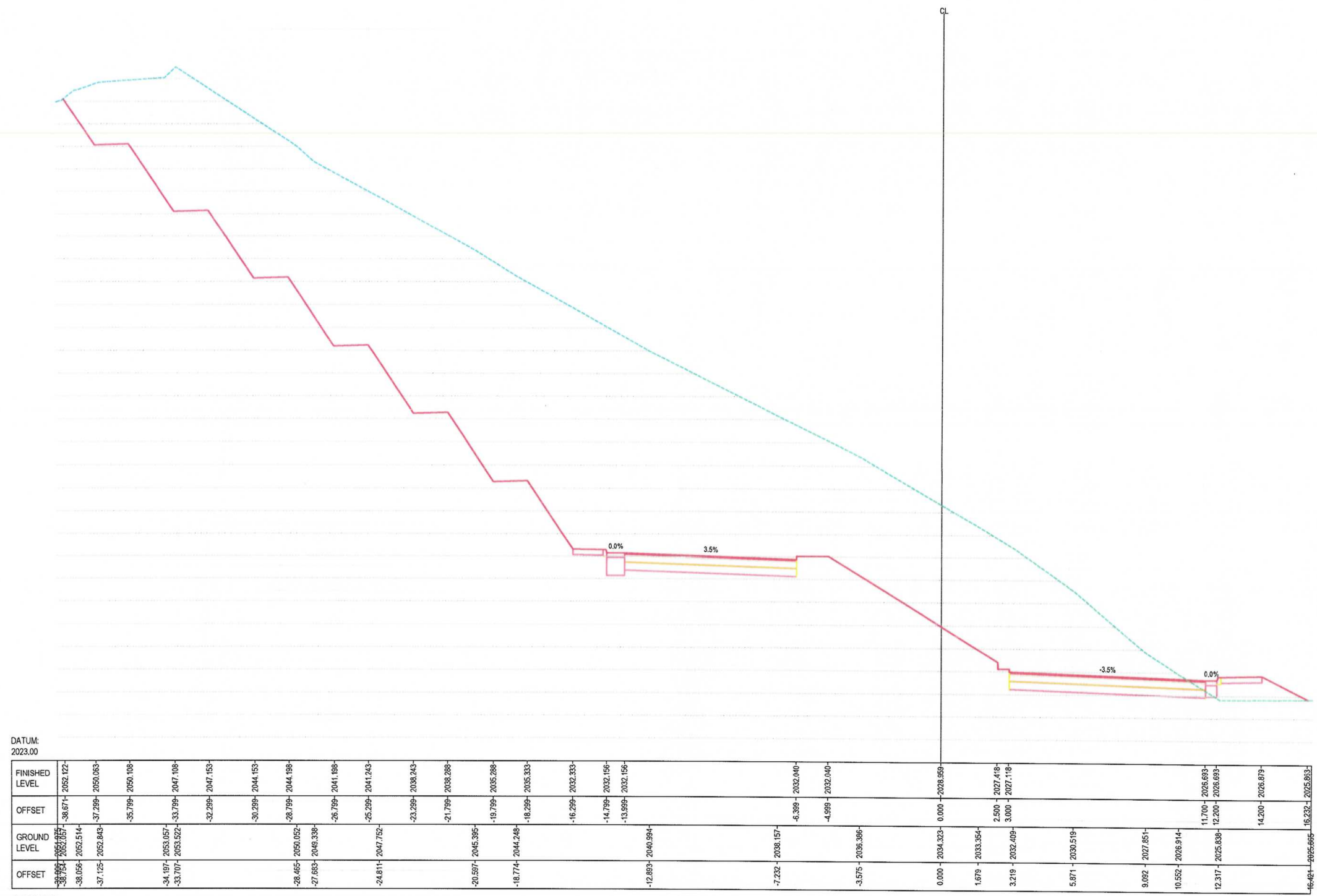
Project Code

SHEET NO.

CS315_ (72)

Revision

01



DATUM:
2023.00

SCALE: 1/200

STA: 2+220

NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

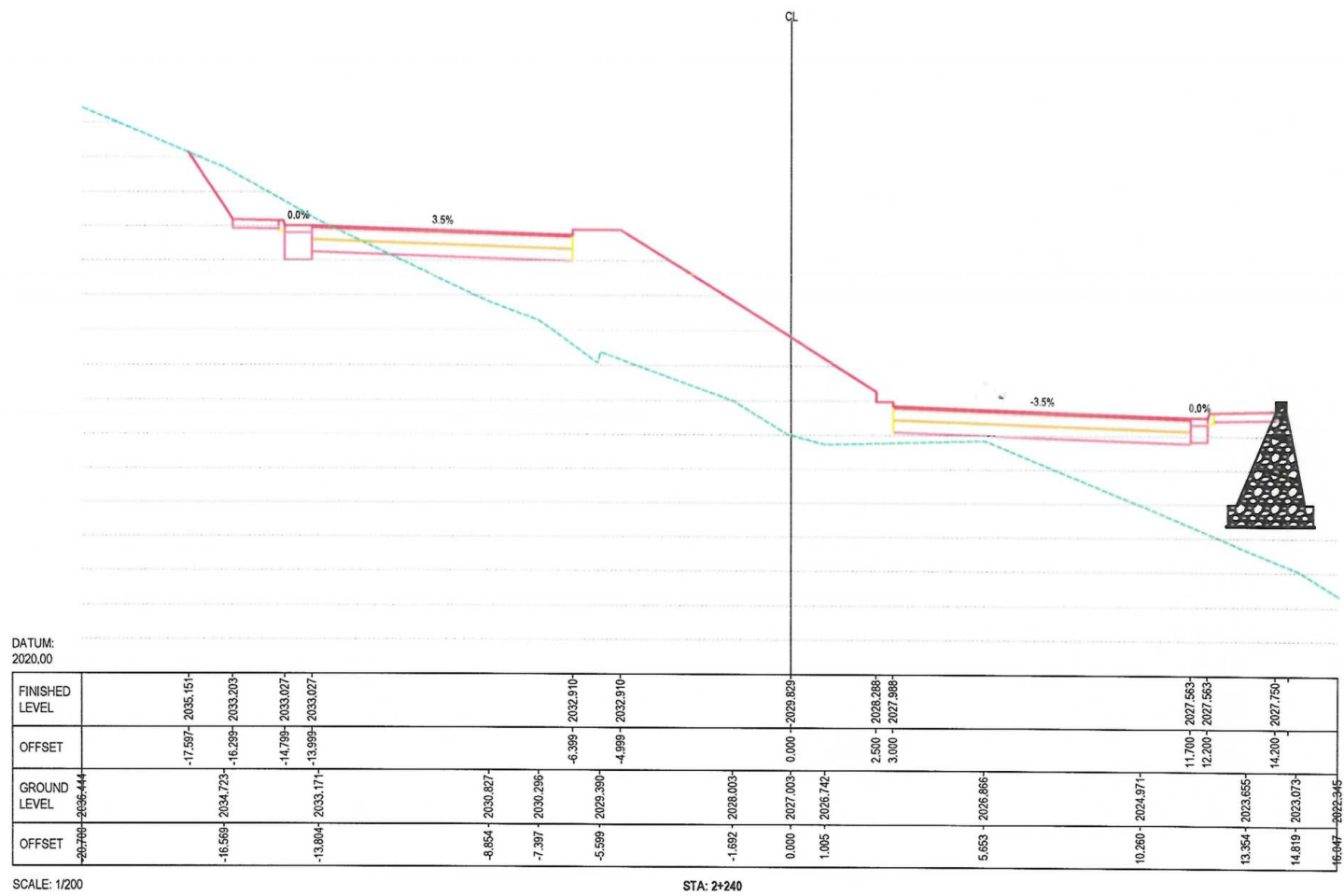
Cross section

Drawn:	Signature:
Designed:	Signature:
Reviewed by:	Signature:
Approved by:	Signature:
Reviewed:	
Date:	Scale:

Status:

Project Code:

SHEET NO.	Revision
CS315_ (73)	01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

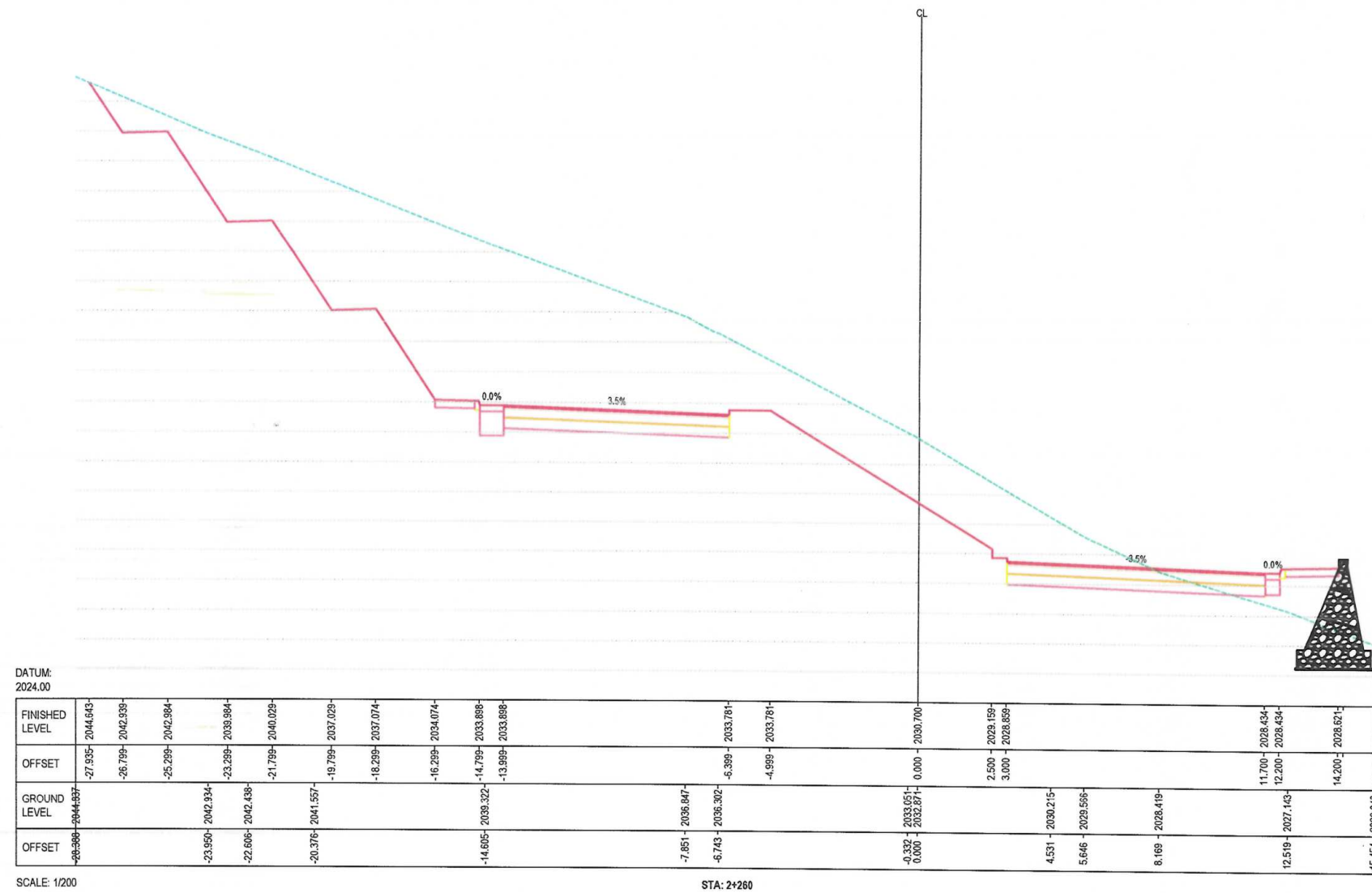
Cross section

Drawn:	Signature:
Designed:	Signature:
Reviewed by:	Signature:
Approved by:	Signature:
Reviewed:	
Date:	Scale:

Status:

Project Code

SHEET NO.	Revision
CS315_ (74)	01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

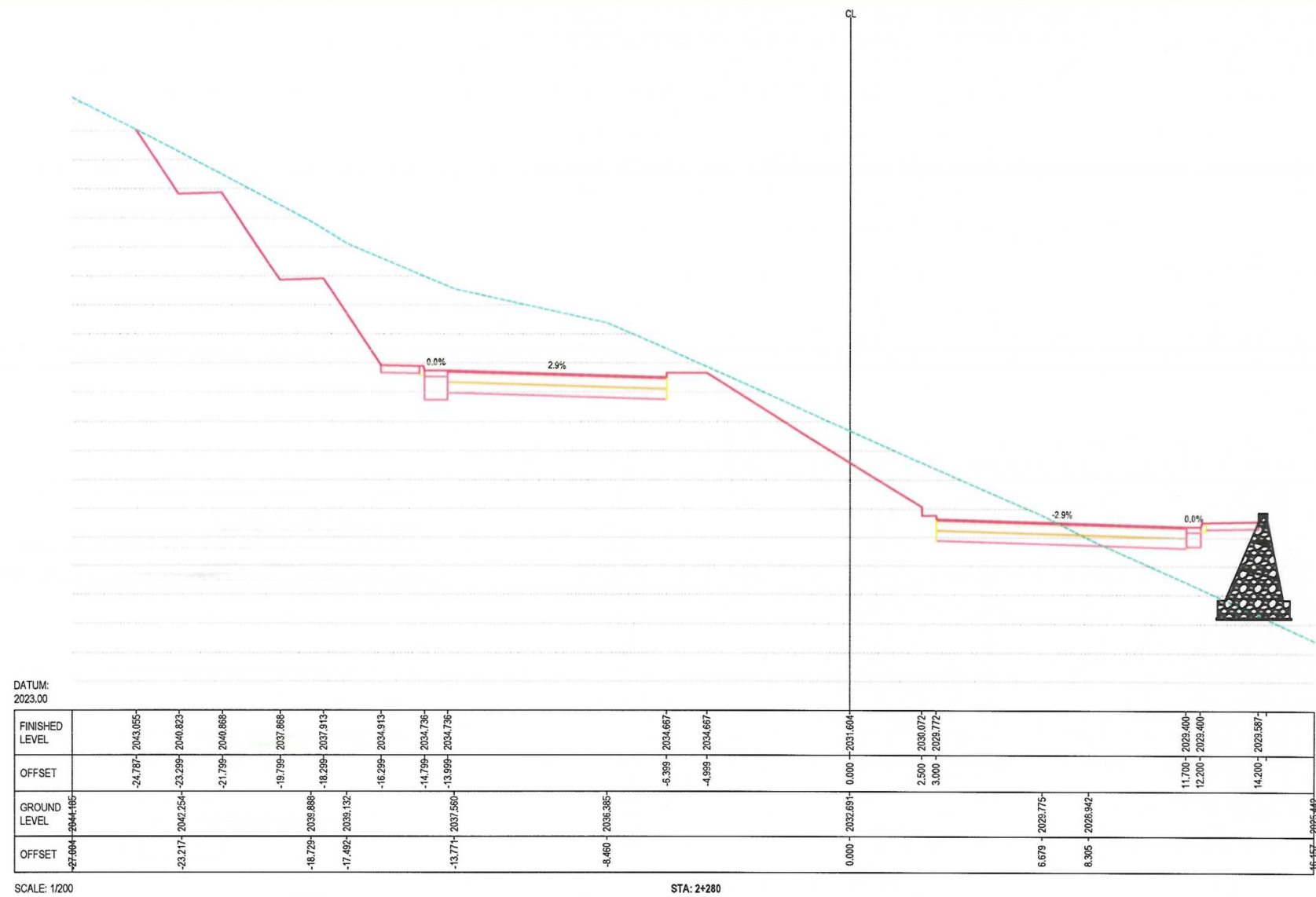
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shaloo"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:

Status:

Project Code

SHEET NO.	Revision
CS315_ (75)	01



NOTE:

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS

Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi Signature:

Designed: Abdul Hadi Signature:

Reviewed by: Hasibullah "Shalizi" Signature:

Approved by: Signature:

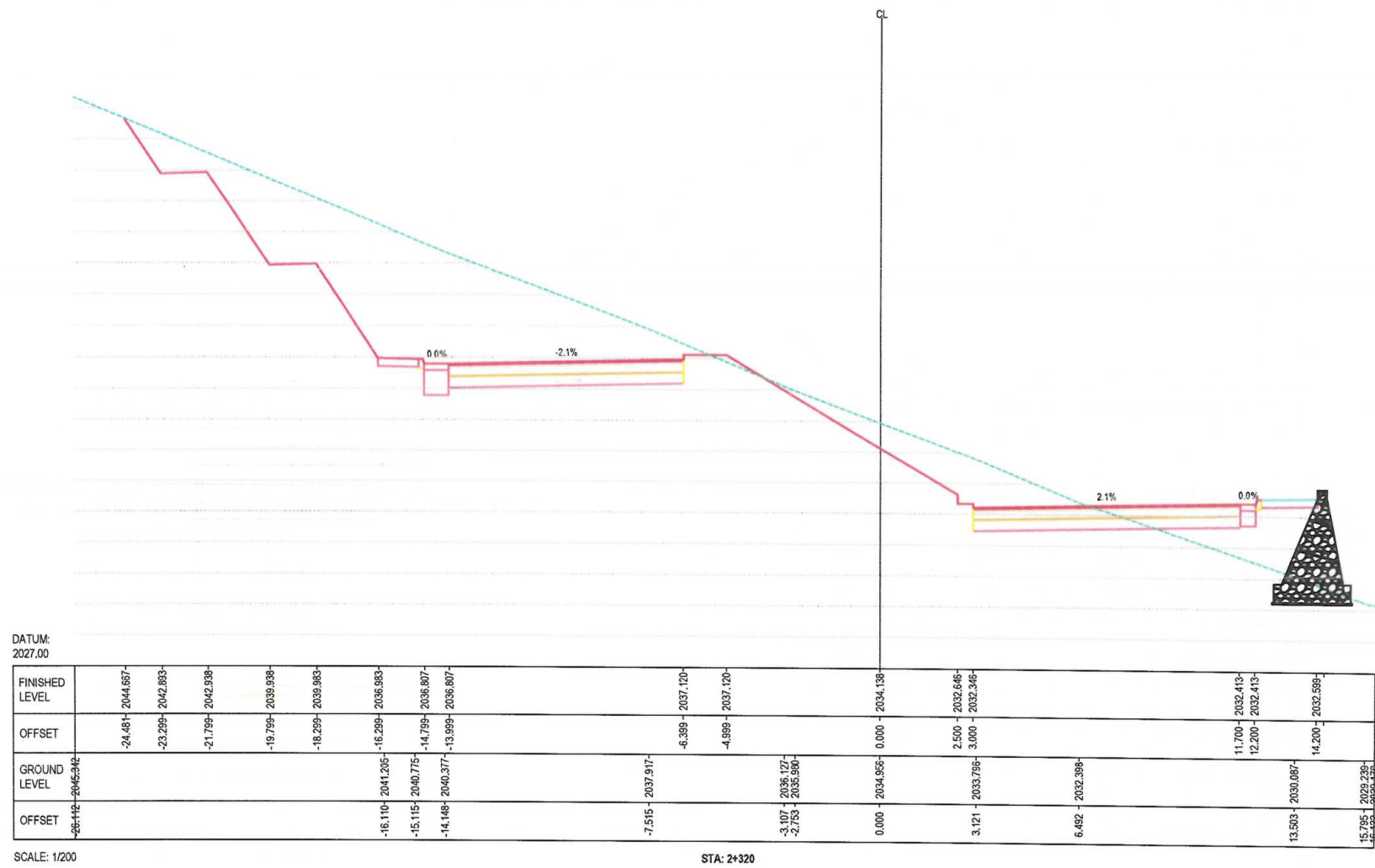
Reviewed:

Date: 9/14/2024 Scale:

Status:

Project Code:

SHEET NO. CS315_ (76) Revision 01



NOTE

1. All dimensions are in millimeter unless otherwise indicated.

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

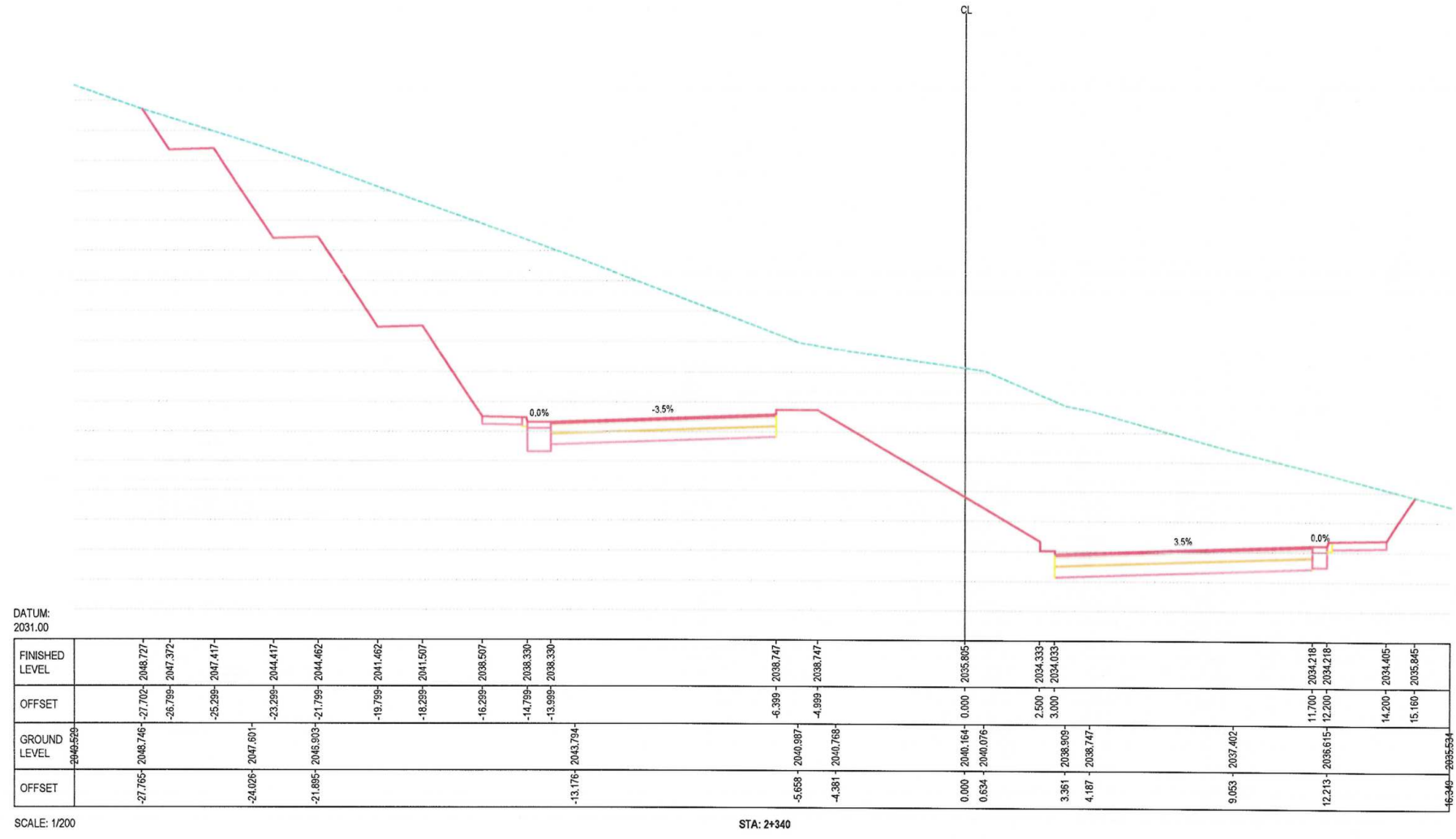


Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:
Status:	
Project Code	
SHEET NO. CS315_(78)	Revision 01



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

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi
Signature:

Designed: Abdul Hadi
Signature:

Reviewed by: Hasibullah "Shaloz"
Signature:

Approved by:
Signature:

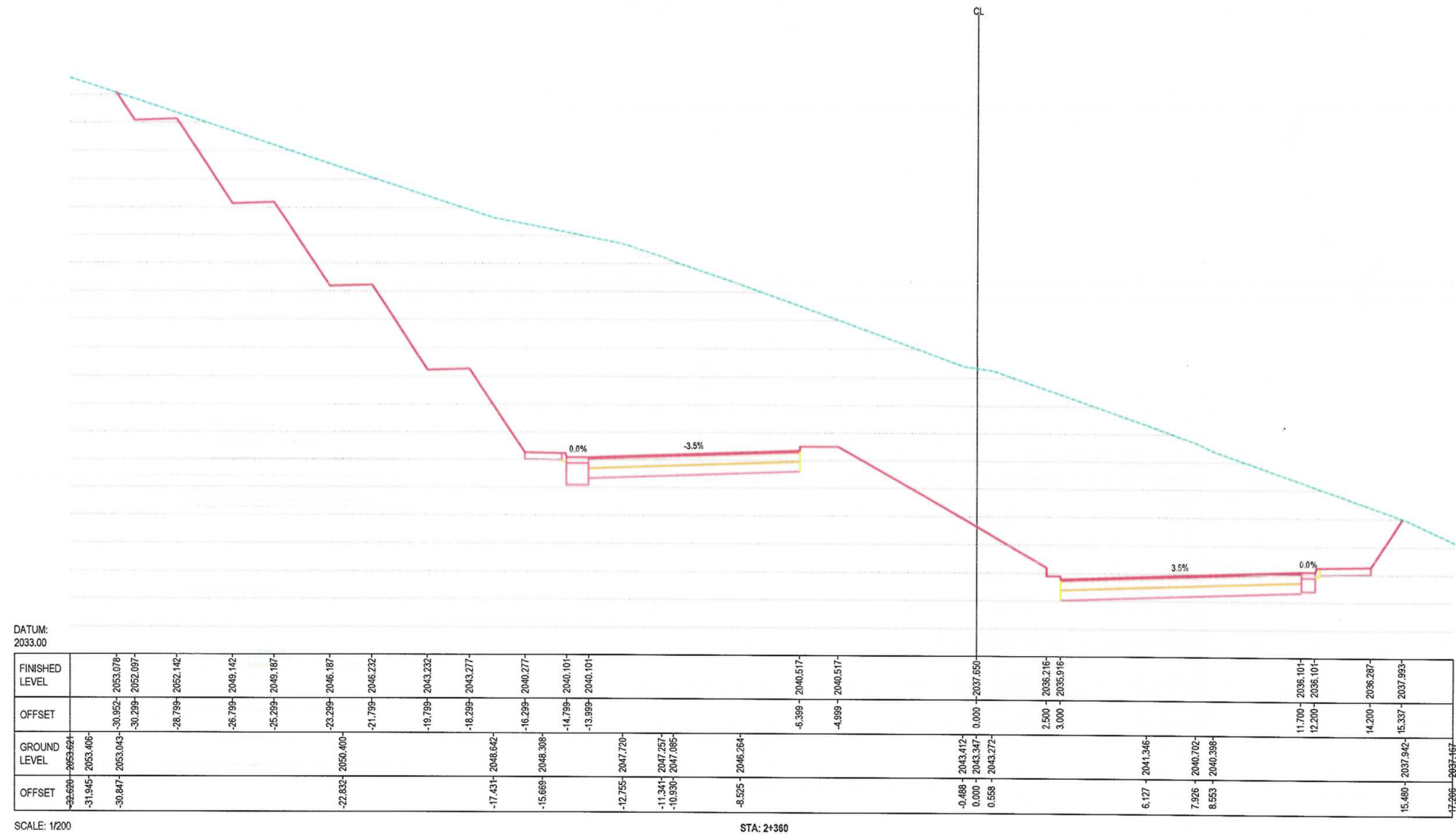
Reviewed:

Date: 9/14/2024
Scale:

Status:

Project Code:

SHEET NO. CS315_ (79)
Revision: 01



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

LEGENDS

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi
Designed: Abdul Hadi
Reviewed by: Hasibullah "Shalizi"
Approved by:
Reviewed:

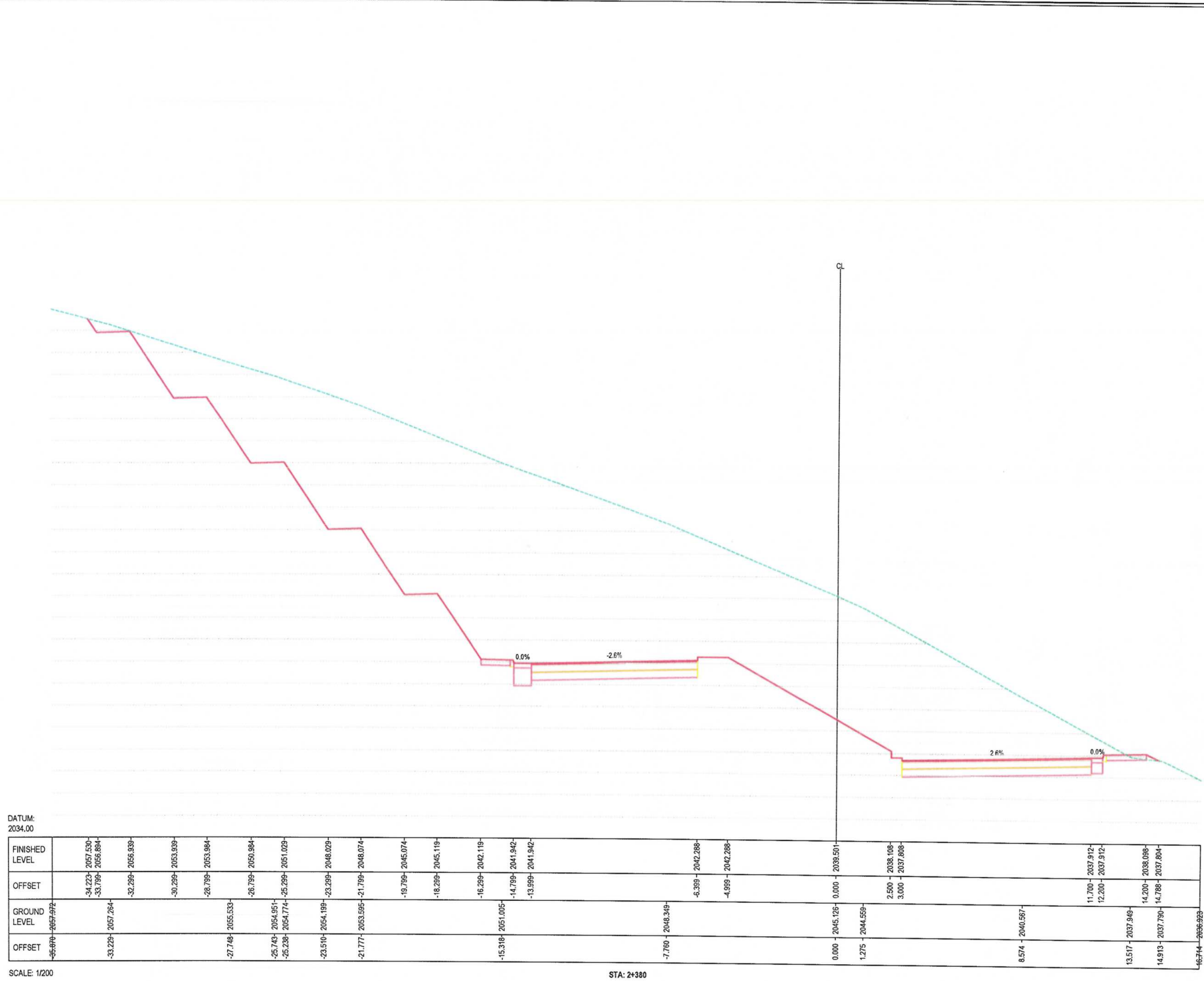
Signature:
Signature:
Signature:
Signature:

Date: 9/14/2024
Scale:

Status:

Project Code:

SHEET NO. CS315_ (80)
Revision: 01



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

LEGENDS

Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



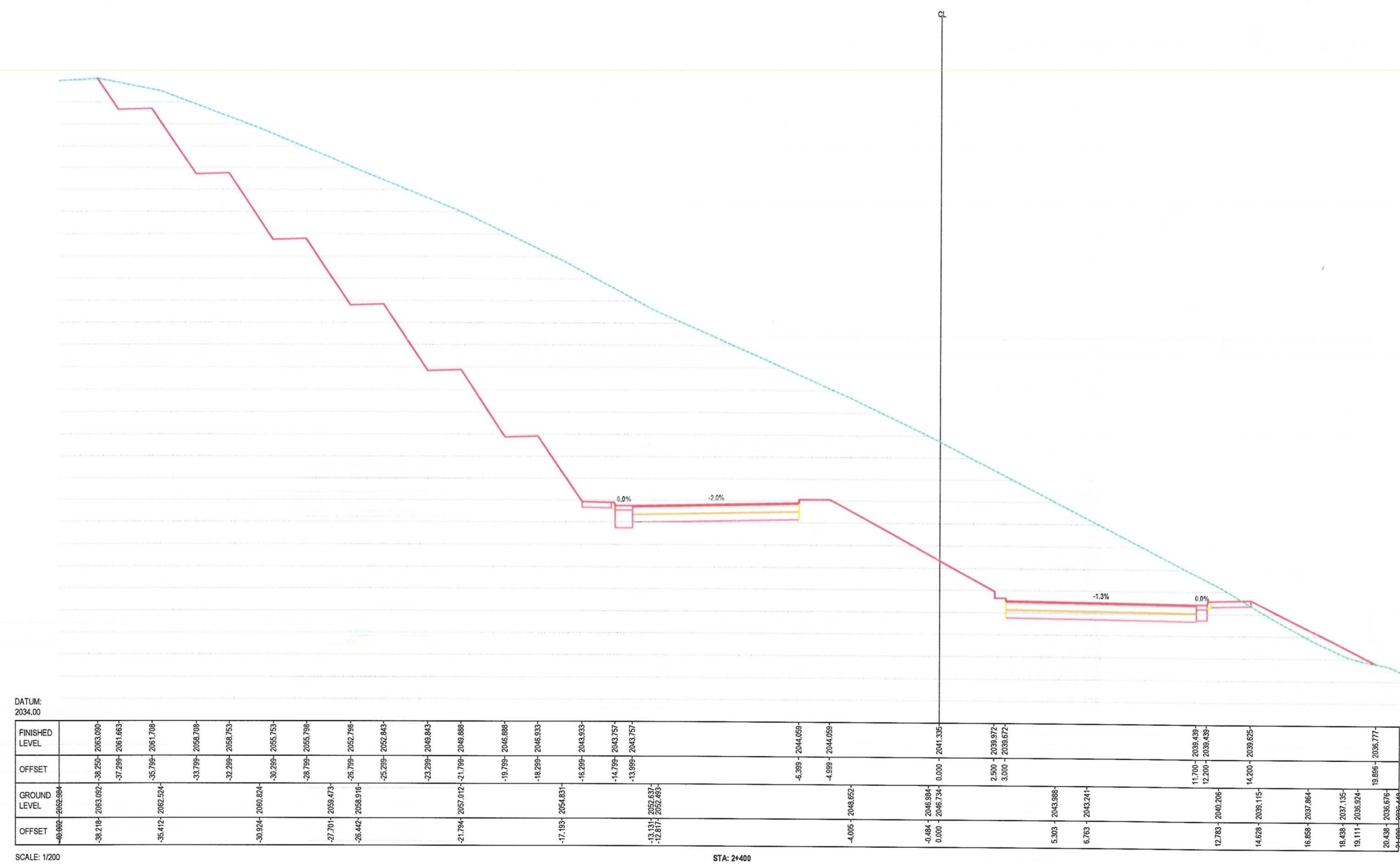
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shaloz"	Signature:
Approved by	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code

SHEET NO. CS315_ (82)	Revision 01
--------------------------	----------------



DATUM:
2034.00

SCALE: 1/200

STA: 2+400

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

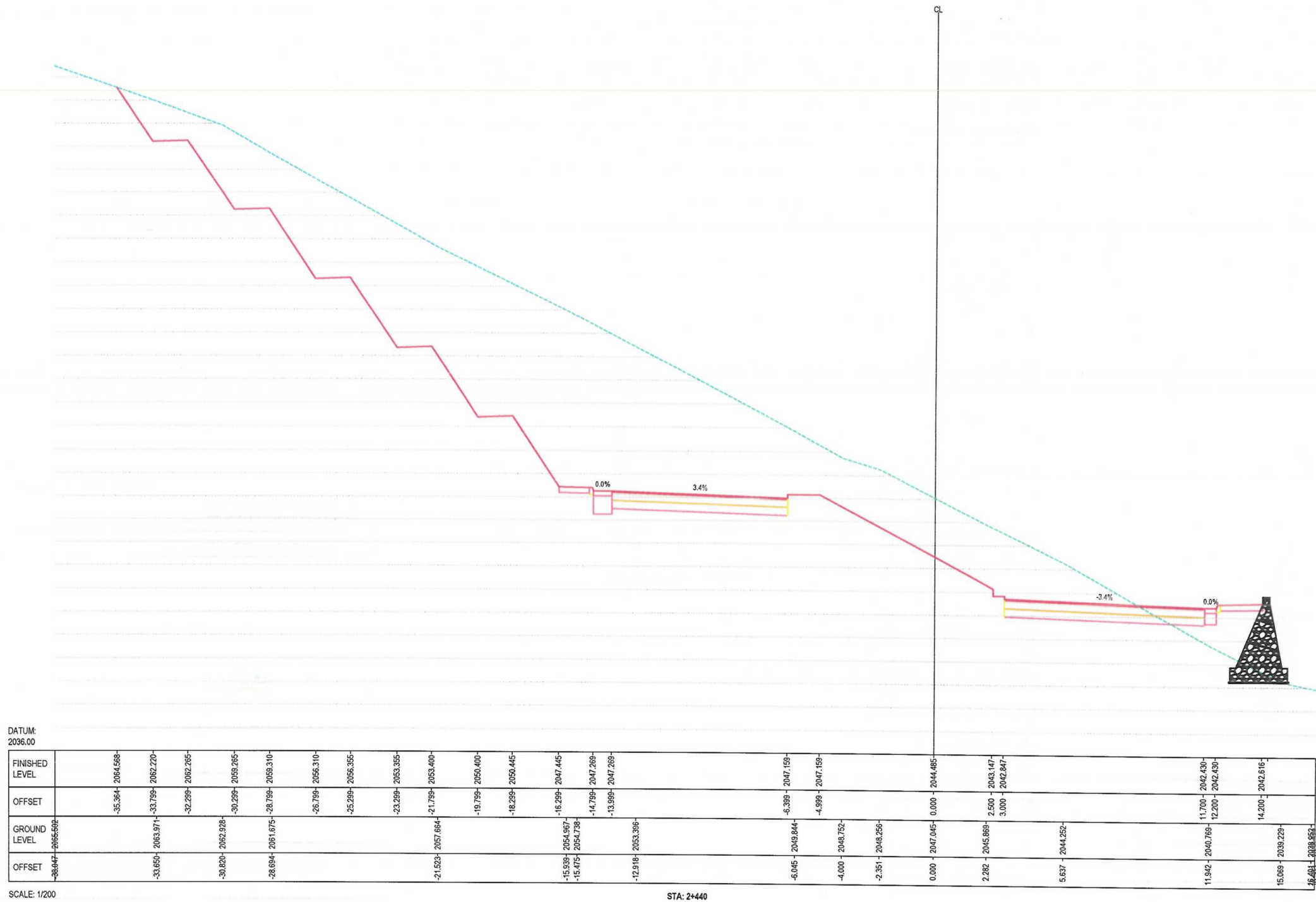
Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed	
Date: 9/14/2024	Scale:
Status:	
Project Code	
SUBJECT NO. CS315_ (83)	Revision 01

DATUM:
2035.00

FINISHED LEVEL	OFFSET	GROUND LEVEL	OFFSET
2066.437	-41.045	2066.775	-42.170
2066.132	-40.750	2066.715	-40.923
2066.764	-40.027	2066.764	-40.565
2066.482	-39.229	2066.675	-39.588
		2066.218	-38.309
		2065.950	-37.544
2063.482	-37.299		
2063.527	-35.799		
		2060.527	-33.799
2060.572	-32.299	2063.307	-33.102
		2063.692	-32.338
2057.572	-30.299		
2057.617	-28.799		
2054.617	-26.799		
2054.692	-25.299		
2051.662	-23.299		
2051.707	-21.799	2050.723	-21.509
2048.707	-19.799		
2048.752	-18.299		
2045.752	-16.299		
2045.576	-14.799	2055.635	-15.388
2045.576	-13.959	2054.750	-13.984
		2054.037	-12.577
2045.756	-6.389	2051.888	-8.913
2045.756	-4.989		
		2046.579	-2.645
		2046.937	-1.489
2043.075	0.000	2046.077	0.000
2041.359	3.000		
2041.659	2.500		
2041.252	14.200		
		2040.097	15.169
		2039.301	16.507
		2039.159	16.962
		2038.062	19.516
2037.759	21.189	2037.516	20.814
2037.759	21.566	2037.202	21.566

SCALE: 1/200

STA: 2+420



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn:

Abdul Hadi

Signature:

Designed:

Abdul Hadi

Signature:

Reviewed by:

Hassibullah "Shalizi"

Signature:

Approved by

Signature:

Reviewed

Date:

9/14/2024

Scale:

Status:

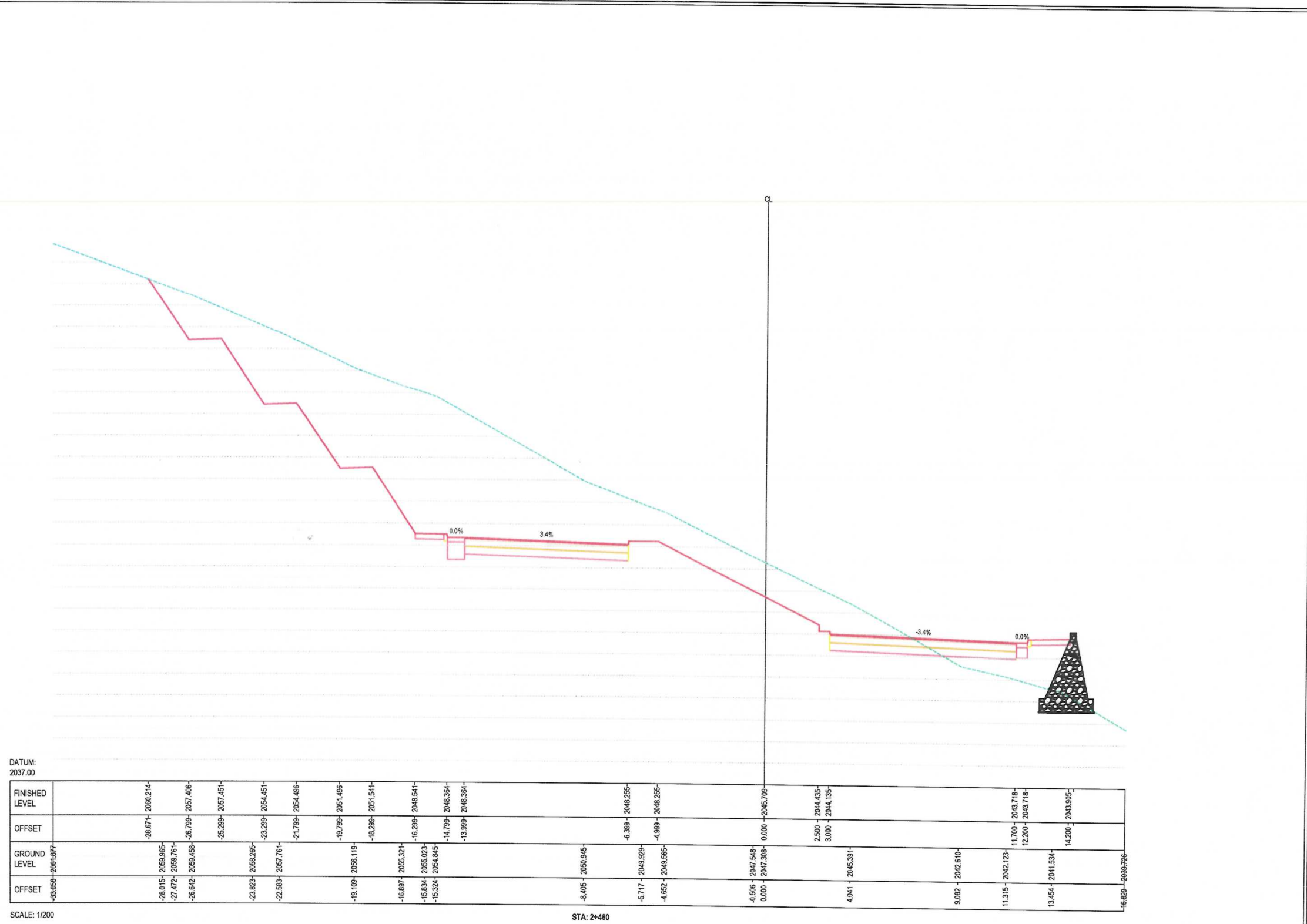
Project Code

SHEET NO.

CS315_ (84)

Revision

01



DATUM:
2037.00

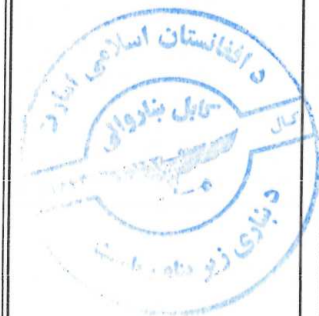
FINISHED LEVEL	-28.671 - 2060.214	-28.015 - 2059.965	-27.472 - 2059.761	-26.642 - 2059.458	-25.299 - 2057.451	-23.299 - 2054.451	-21.799 - 2054.496	-19.799 - 2051.459	-18.299 - 2051.541	-16.299 - 2048.541	-14.799 - 2048.364	-13.599 - 2048.364	-8.405 - 2050.945	-5.717 - 2048.929	-4.652 - 2049.565	-0.506 - 2047.548	0.000 - 2047.308	2.500 - 2044.435	3.000 - 2044.135	11.700 - 2043.718	12.200 - 2043.718	14.200 - 2043.905	16.899 - 2039.726
OFFSET																							
GROUND LEVEL																							
OFFSET	-33.659 - 2061.677	-28.015 - 2059.965	-27.472 - 2059.761	-26.642 - 2059.458	-25.299 - 2057.451	-23.299 - 2054.451	-22.593 - 2057.761	-19.109 - 2056.119	-16.897 - 2055.321	-15.834 - 2055.023	-15.324 - 2054.945	-13.599 - 2048.364	-8.405 - 2050.945	-5.717 - 2048.929	-4.652 - 2049.565	-0.506 - 2047.548	0.000 - 2047.308	2.500 - 2044.435	3.000 - 2044.135	11.700 - 2043.718	12.200 - 2043.718	14.200 - 2043.905	16.899 - 2039.726

SCALE: 1/200

STA: 2+460

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

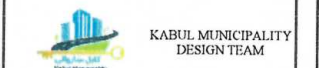
LEGENDS



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

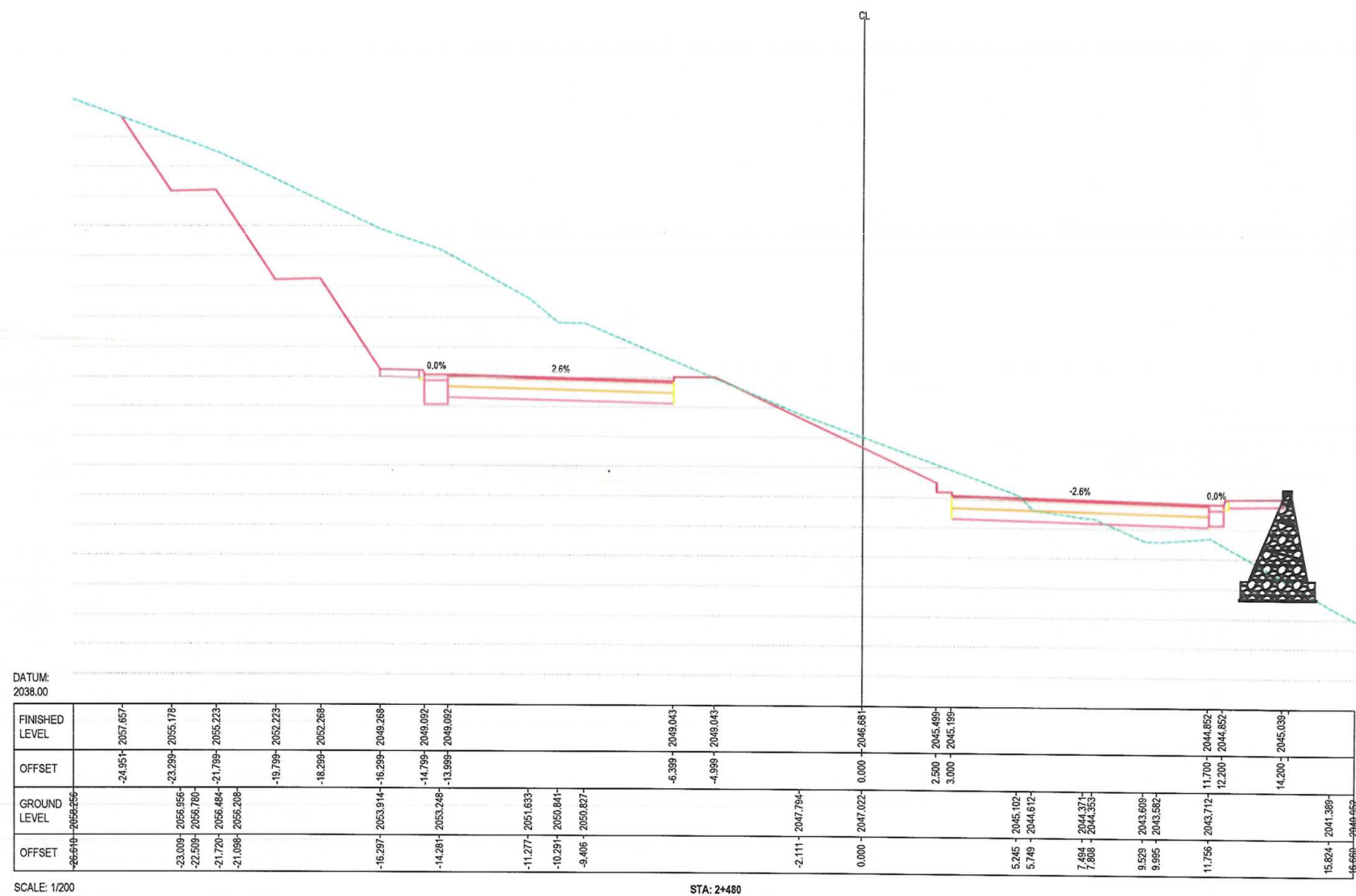


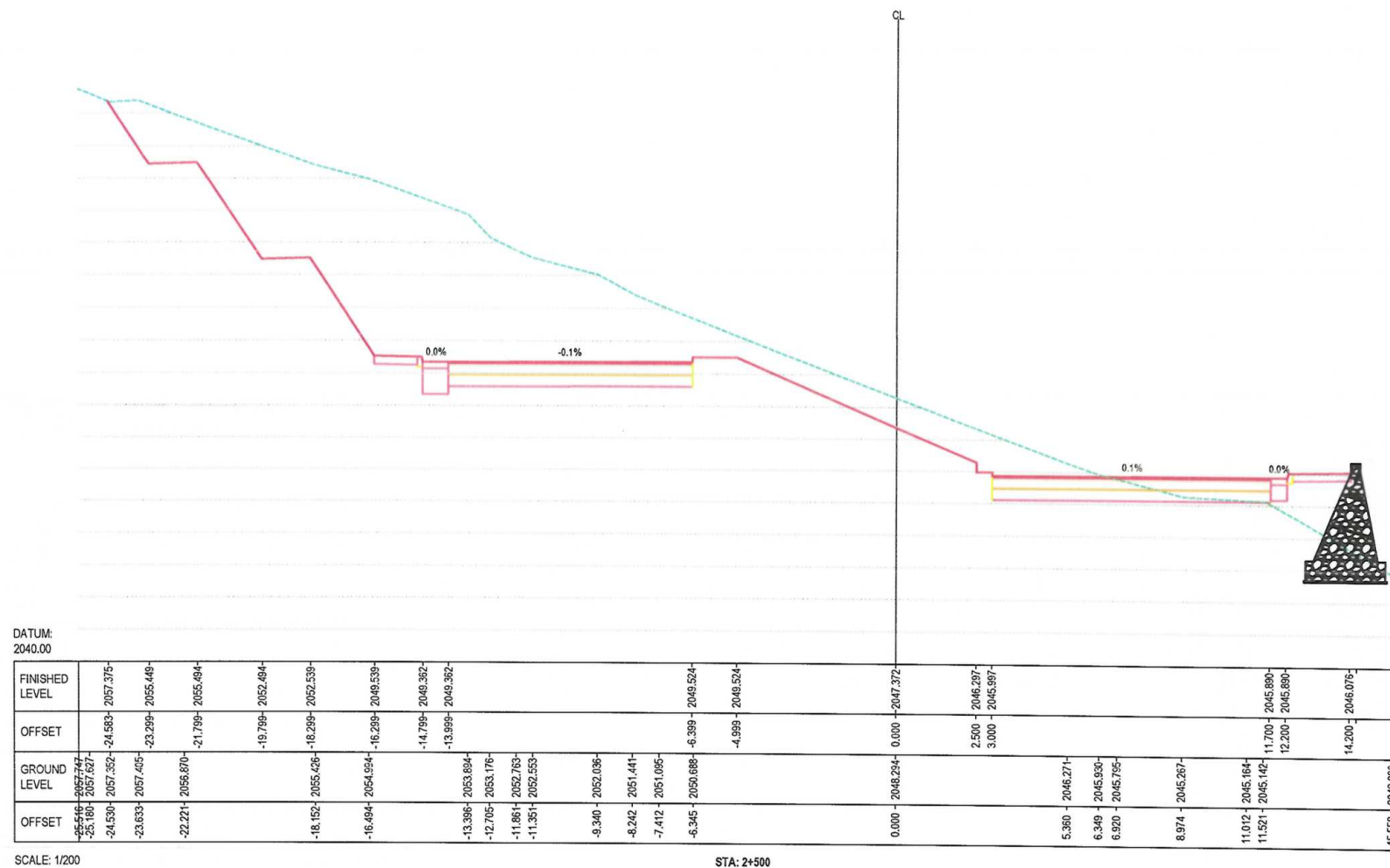
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:

Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hassibullah "Shalizi"	Signature:
Approved by	Signature:
Reviewed:	
Date: 9/14/2024	Scale:
Status:	
Project Code	
SHEET NO. CS315_ (85)	Revision 01





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

LEGENDS

Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi Signature:

Designed: Abdul Hadi Signature:

Reviewed by: Hasibullah "Shalazy" Signature:

Approved by Signature:

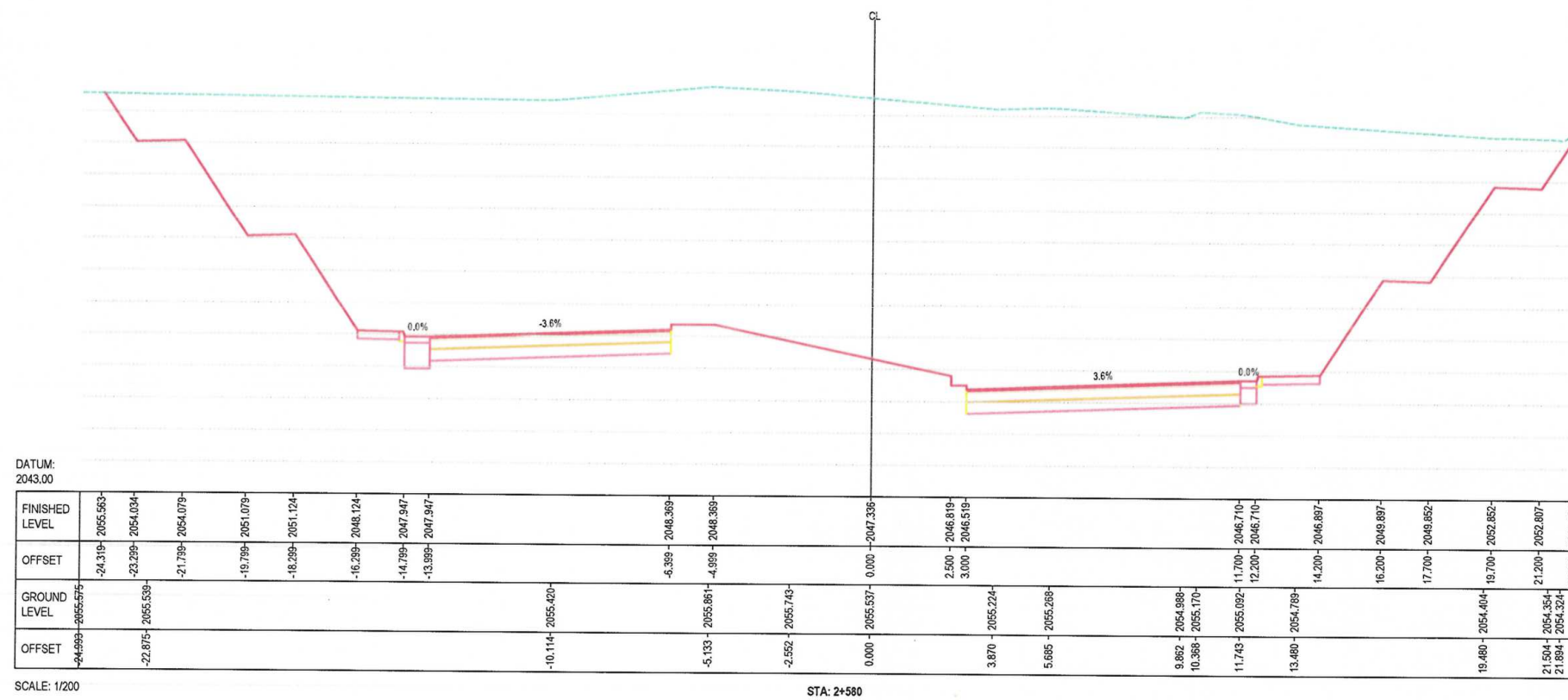
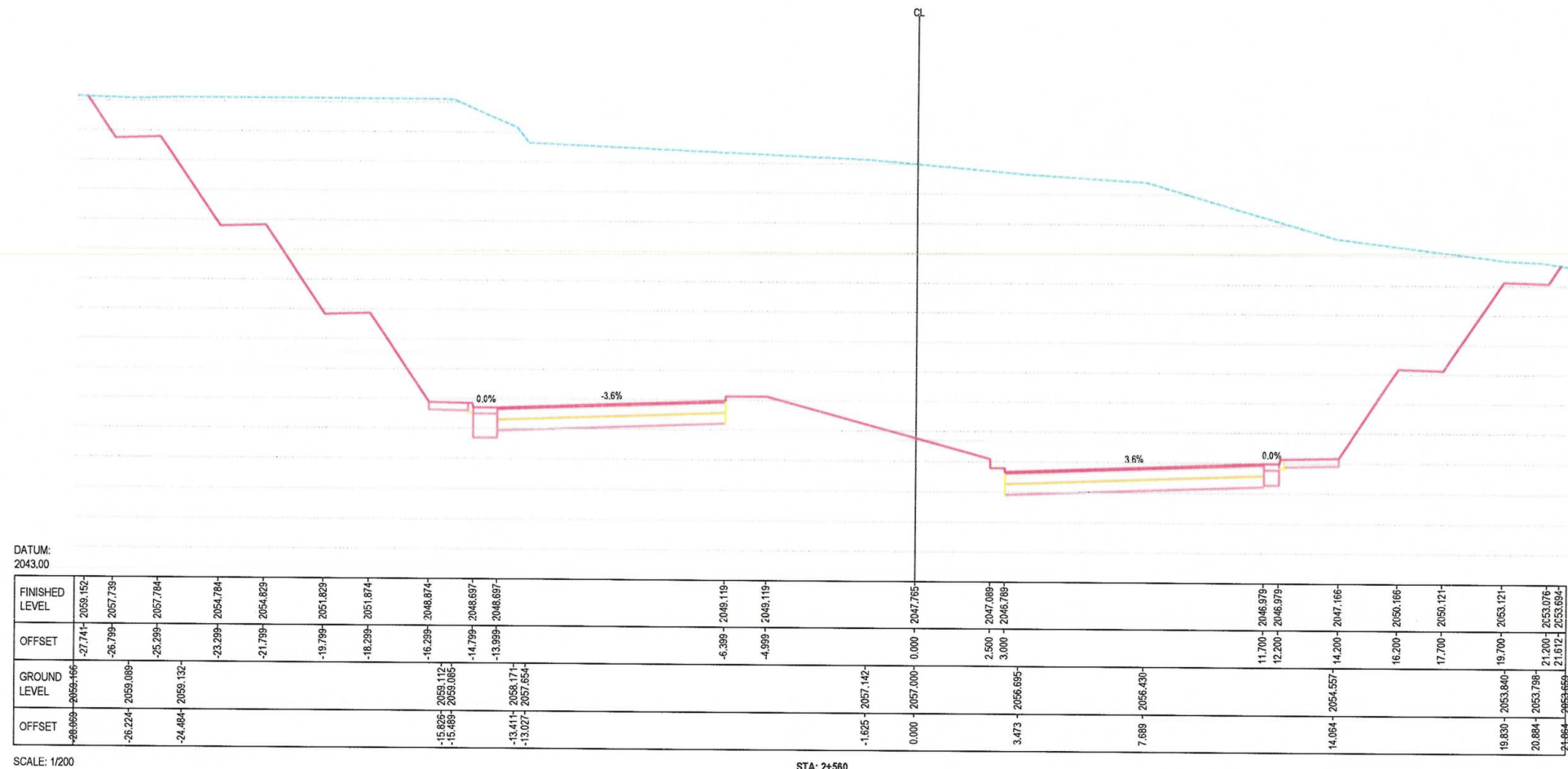
Reviewed

Date: 9/14/2024 Scale:

Status:

Project Code

SHEET NO. CS315_ (87) Revision 01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Hazar-e-baghal (315) road project

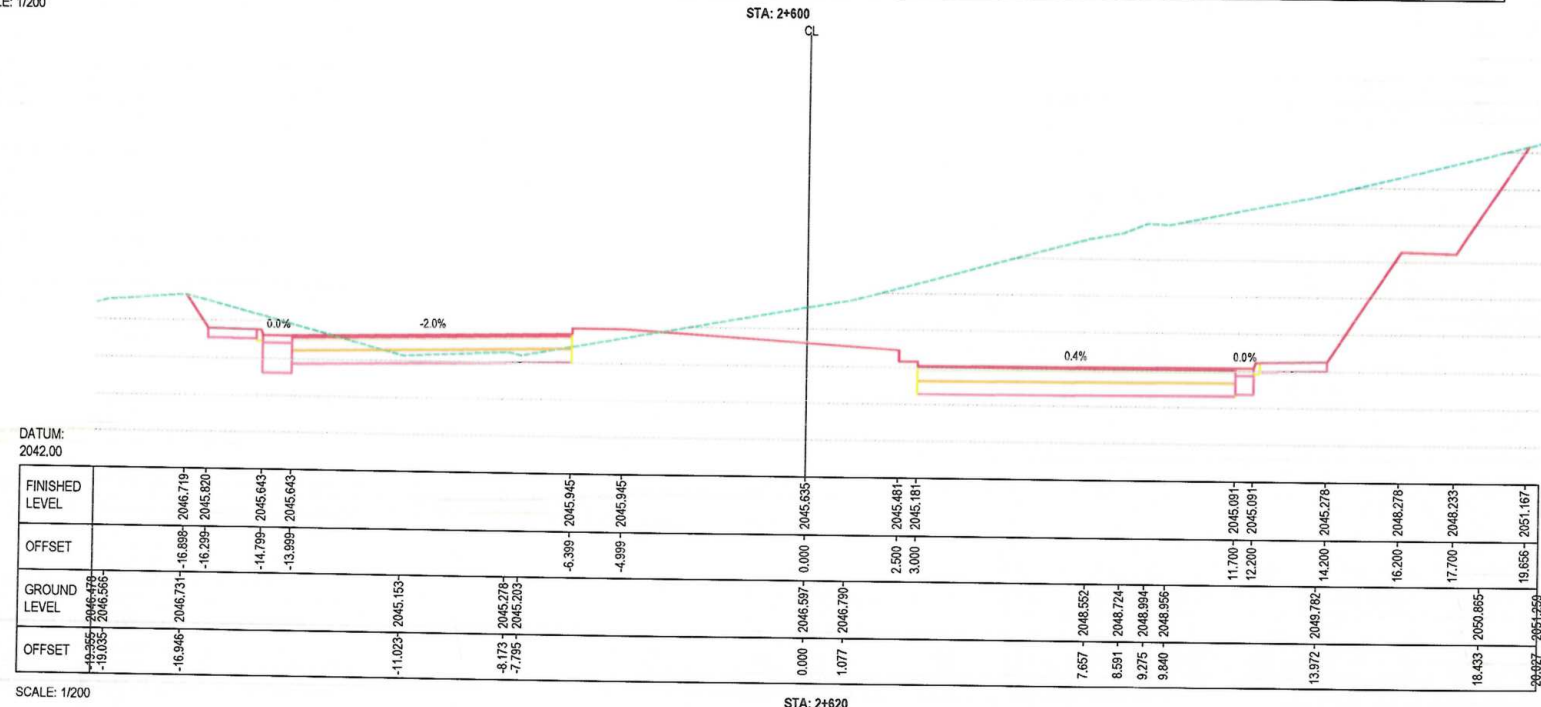
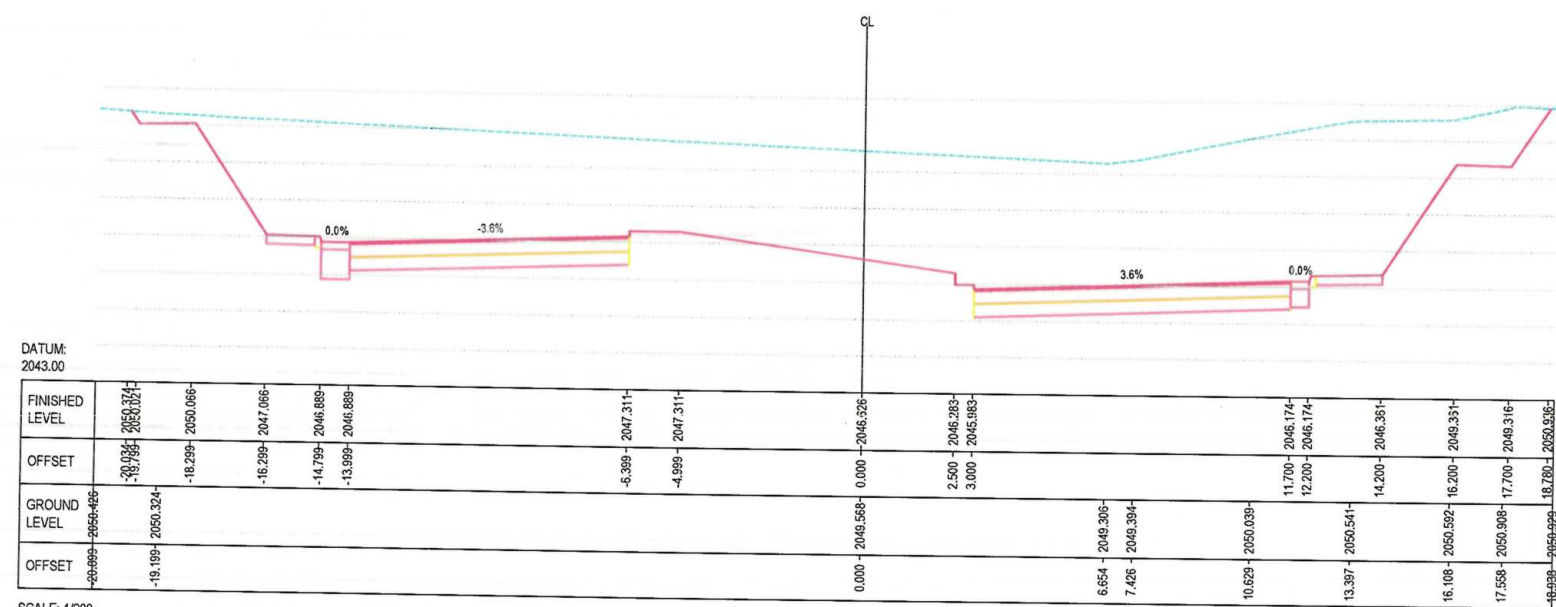
Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:

Status:
Project Code

SHEET NO.
CS315_ (89)

Revision
01



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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

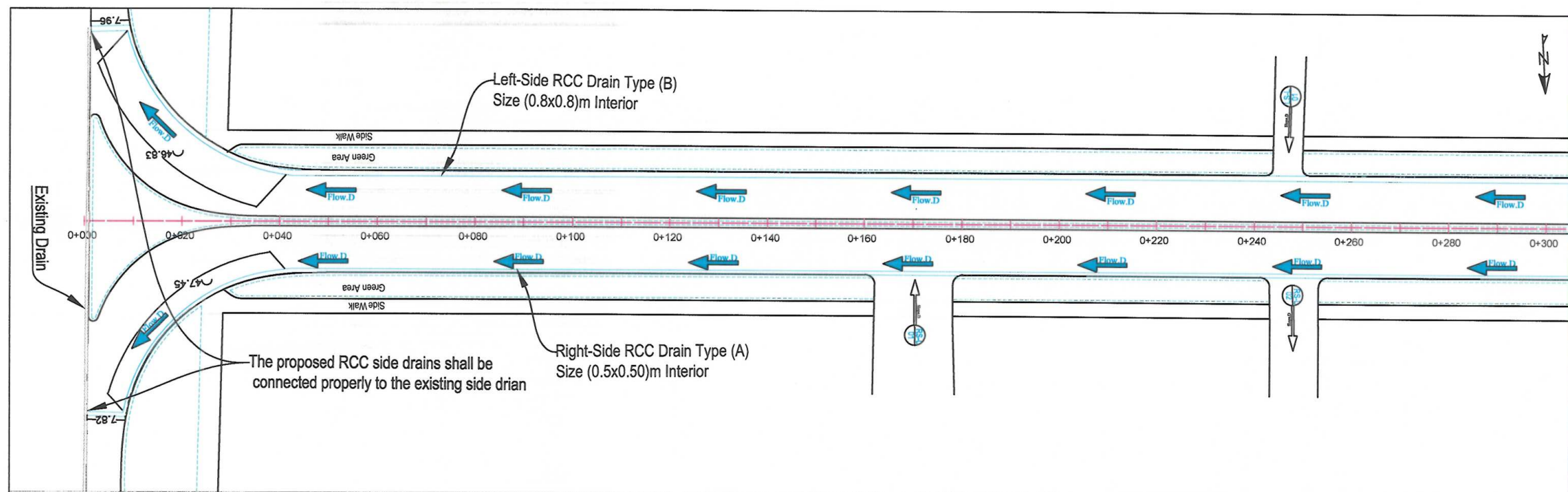
Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Cross section

Drawn: Abdul Hadi	Signature:
Designed: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:
Reviewed:	
Date: 9/14/2024	Scale:
Status:	
Project Code:	
SHEET NO. CS315_ (90)	Revision 01

Drainage Section





MATCH
AT STATION

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

LEGENDS

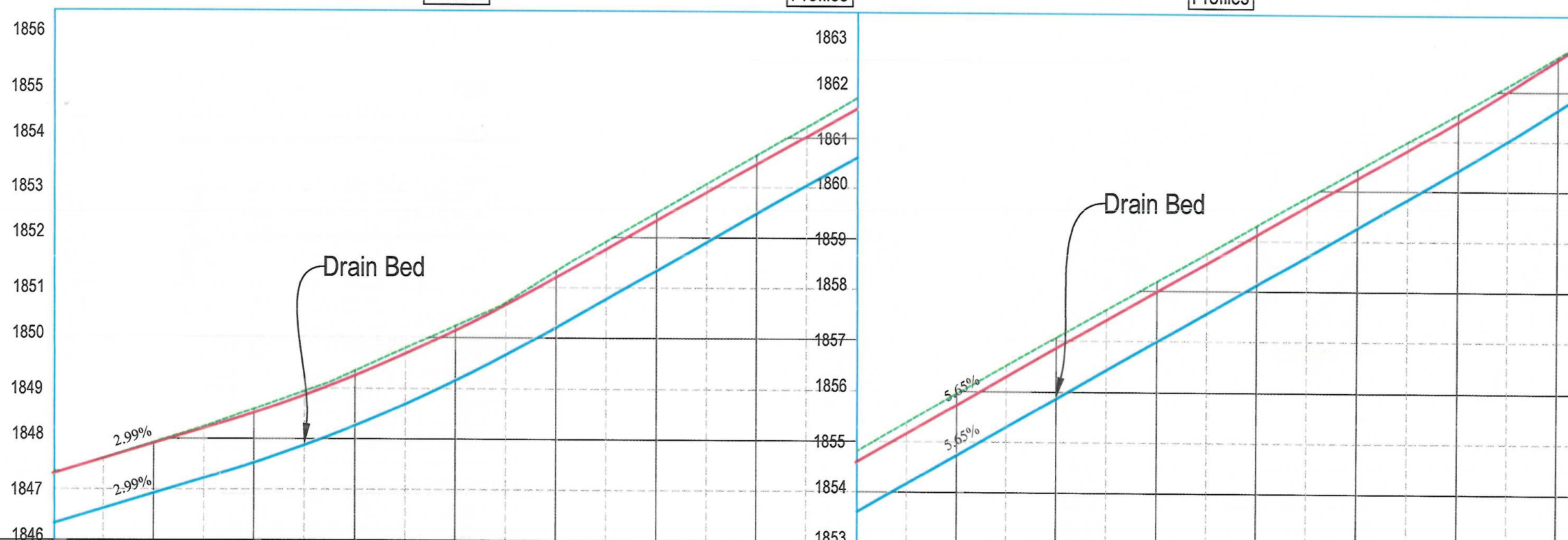
- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Profiles

Profiles

Profiles



STATION	0+00	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+280	0+300
EXISTING ELEVATION	1847.270	1847.948	1848.616	1849.368	1850.262	1851.355	1852.510	1853.668	1854.825	1855.981	1857.095	1858.211	1859.328	1860.444	1861.578	1862.712
FINISHED ELEVATION RIGHT SIDE	1847.316	1847.916	1848.525	1849.260	1850.155	1851.210	1852.341	1853.472	1854.603	1855.734	1856.865	1857.995	1859.126	1860.257	1861.411	1862.642
DRAIN BED ELEVATION RIGHT SIDE	1846.344	1846.942	1847.551	1848.266	1849.181	1850.236	1851.367	1852.498	1853.629	1854.760	1855.891	1857.021	1858.152	1859.283	1860.437	1861.668

Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Signature:

Designed:

Obaidullah Razaqi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:
08/03/1446

Scale:
1:1000

Status:

FINEL
DESIGN

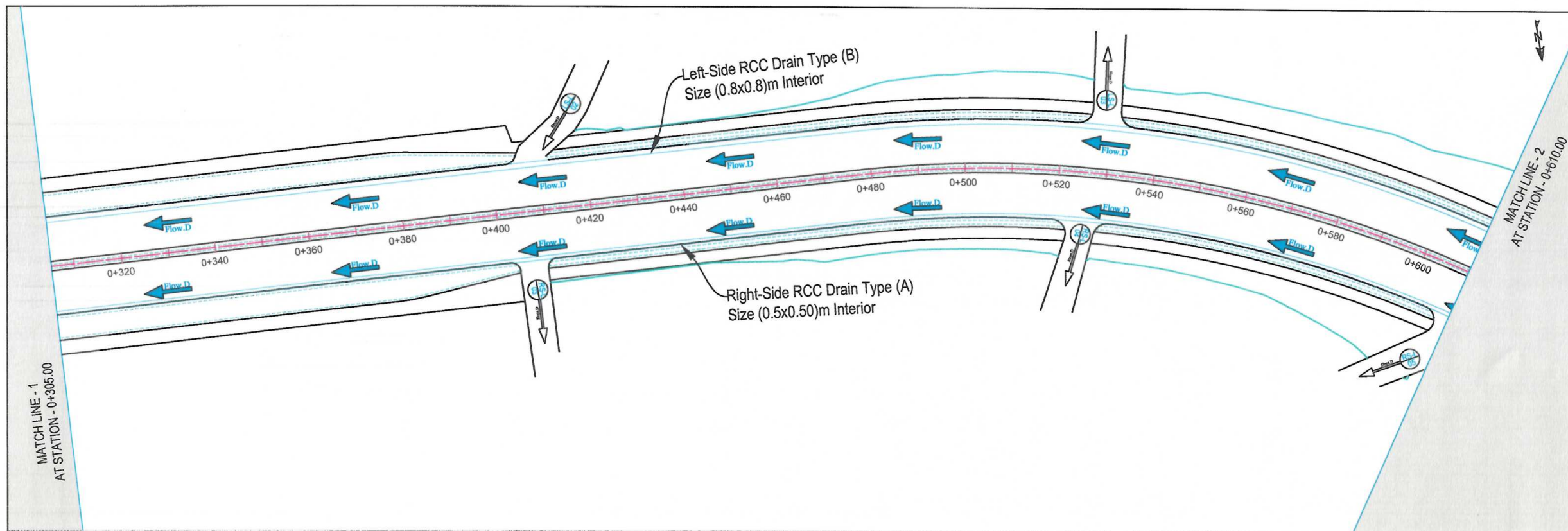
Project Code

SHEET NO.

R.S-DP&P 01 of 10

Revision

01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



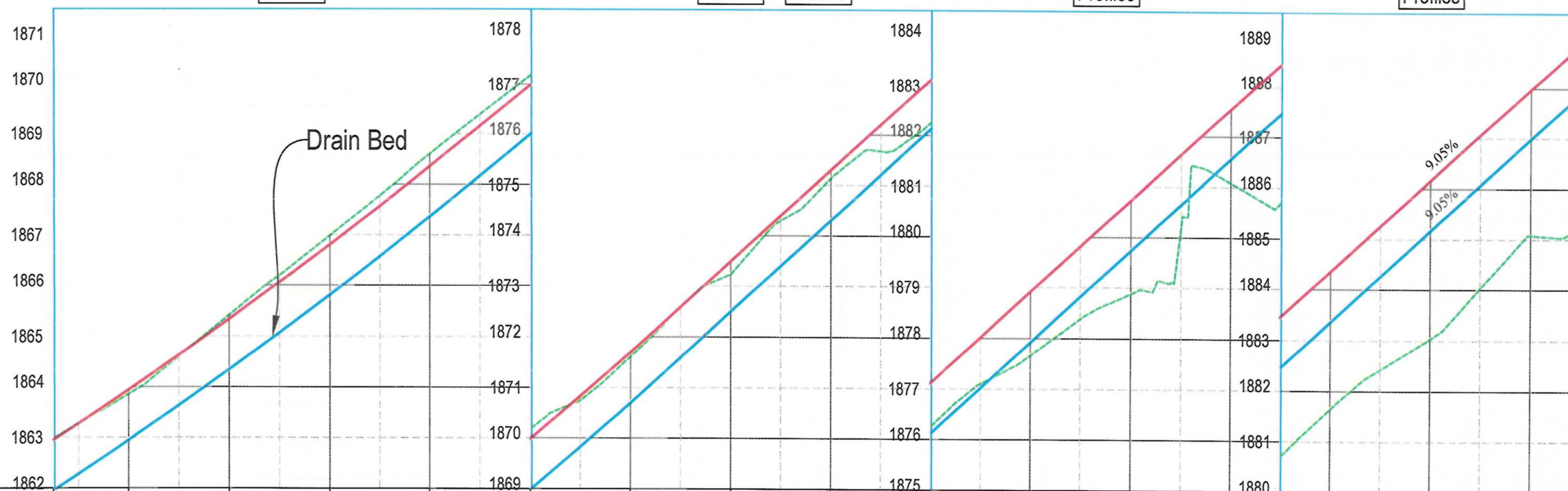
Profiles

Profiles

Profiles

Profiles

Profiles



STATION	0+305	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600
EXISTING ELEVATION	1863.006	1863.886	1865.441	1867.016	1868.629	1870.208	1871.644	1873.259	1875.171	1876.277	1877.694	1878.902	1881.093	1881.675	1883.065	1885.090
FINISHED ELEVATION RIGHT SIDE	1862.962	1863.953	1865.344	1866.815	1868.366	1869.997	1871.708	1873.497	1875.307	1877.118	1878.929	1880.740	1882.551	1884.362	1886.173	1887.984
DRAIN BED ELEVATION RIGHT SIDE	1861.988	1862.979	1864.370	1865.841	1867.392	1869.023	1870.734	1872.523	1874.333	1876.144	1877.955	1879.766	1881.577	1883.388	1885.199	1887.010

Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:
RIGHT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Signature:

Designed:

Obaidullah Razaqi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date: 08/03/1446

Scale: 1:1000

Status:

FINAL DESIGN

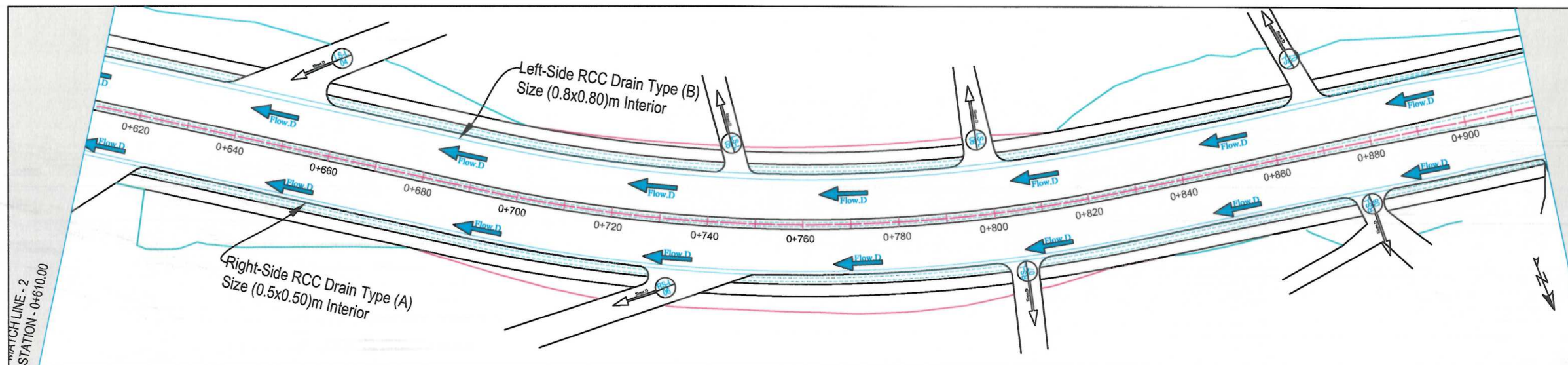
Project Code

SHEET NO.

R.S-DP&P 02 of 10

Revision

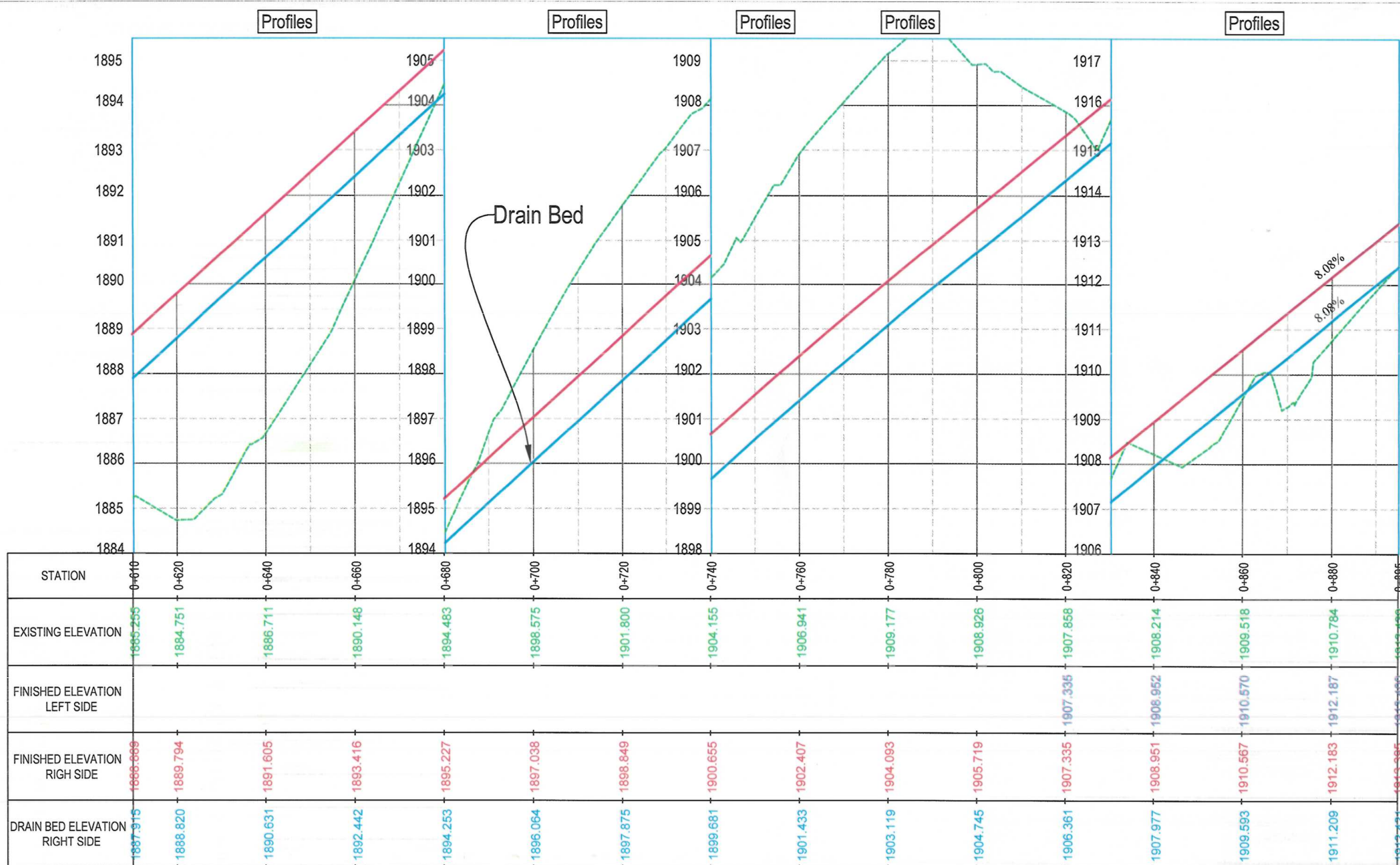
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NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

Drawn: Obaidullah Razeqi	Signature:
Designed: Obaidullah Razeqi	Signature:
Checked: Hasibullah Shalizi	Signature:

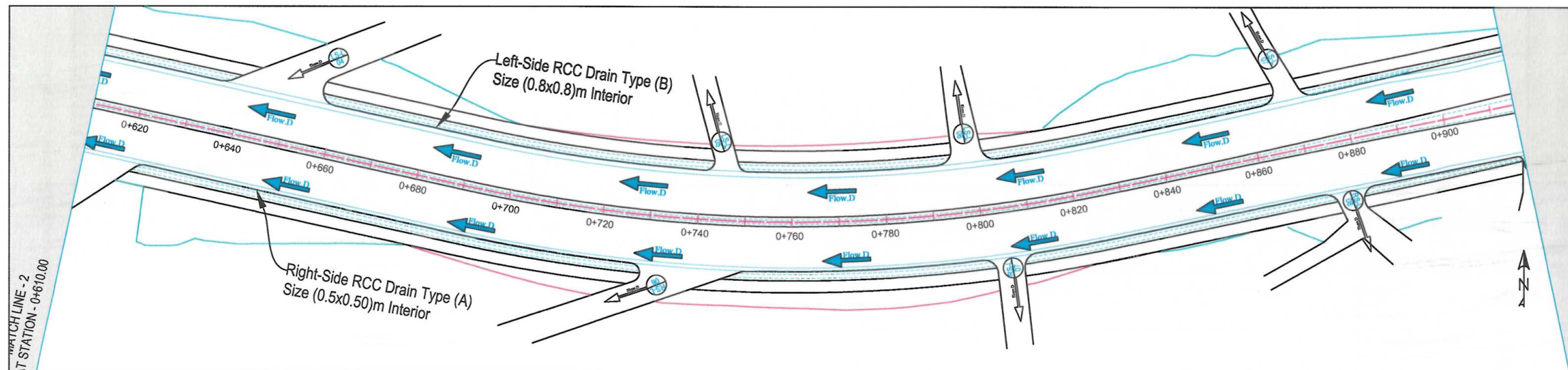
Date: 08/03/1446 Scale: 1:1000

Status: FINAL DESIGN

Project Code

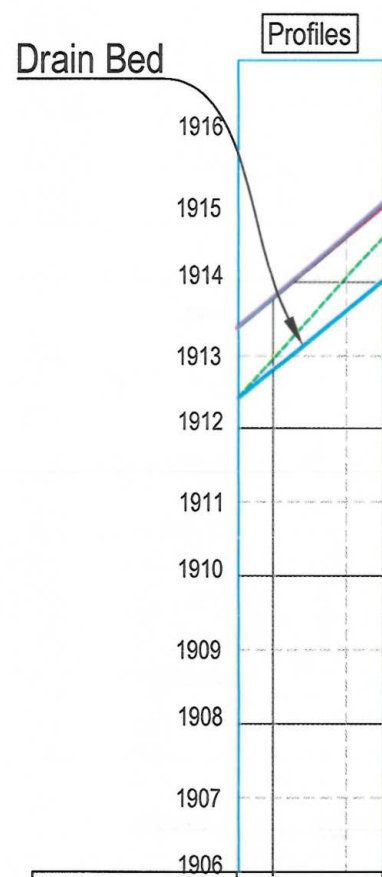
SHEET NO. Revision

R.S-DP&P 03 of 10 01



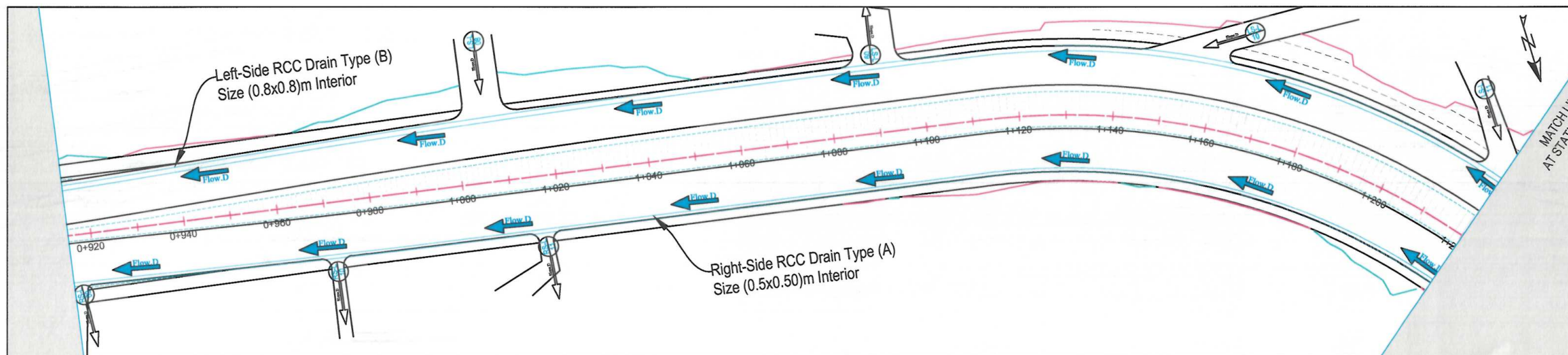
NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow.D → Flow Direction
 - ↗ Link Road Slope Direction



STATION	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900
EXISTING ELEVATION	1912.427	1913.395	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400
FINISHED ELEVATION LEFT SIDE	1912.427	1913.395	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400
FINISHED ELEVATION RIGHT SIDE	1912.427	1913.395	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400
DRAIN BED ELEVATION RIGHT SIDE	1912.427	1913.395	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400	1913.400

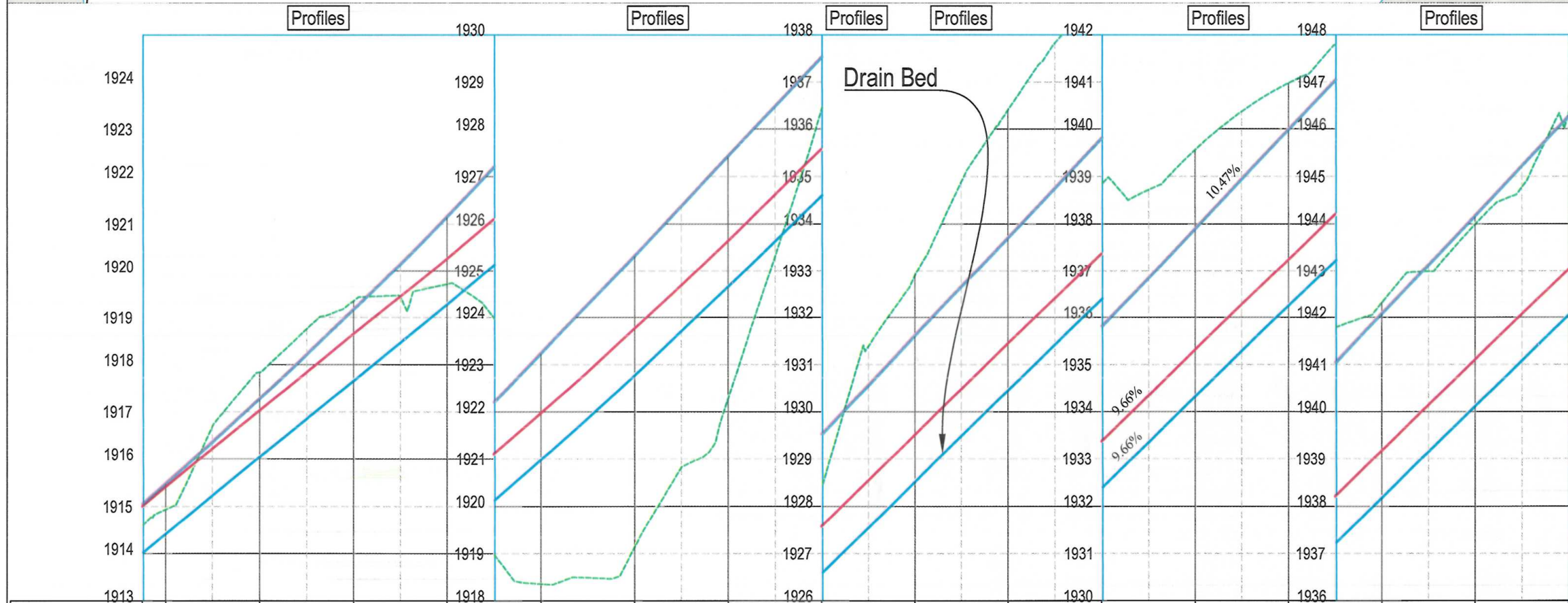
Date	Revision	Details	Drawn	Chkd.	Appr.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By: KABUL MUNICIPALITY DESIGN TEAM					
Project Name: Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)					
Drawing Title: RIGHT-SIDE DRAINAGE PLAN & PROFILE					
Drawn: Obaidullah Razaqi		Signature: 			
Designed: Obaidullah Razaqi		Signature: 			
Checked: Hasibullah Shalizi		Signature: 			
Date: 08/03/1446		Scale: 1:1000			
Status: FINEL DESIGN					
Project Code					
SHEET NO. R.S-DP&P 04 of 10		Revision 01			



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



STATION	0+915	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200	1+220
EXISTING ELEVATION	1914.622	1914.959	1917.857	1919.375	1919.732	1918.368	1919.196	1922.336	1928.470	1932.960	1936.439	1938.865	1939.577	1940.992	1942.351	1944.023	1945.494
FINISHED ELEVATION LEFT SIDE	1915.067	1915.500	1917.292	1919.185	1921.177	1923.257	1925.351	1927.444	1929.538	1931.632	1933.725	1935.819	1937.912	1940.006	1942.100	1944.193	1946.287
FINISHED ELEVATION RIGHT SIDE	1915.010	1915.414	1917.030	1918.646	1920.272	1921.975	1923.768	1925.652	1927.584	1929.517	1931.449	1933.381	1935.314	1937.246	1939.178	1941.111	1943.039
DRAIN BED ELEVATION RIGHT SIDE	1914.042	1914.446	1916.062	1917.678	1919.304	1921.007	1922.800	1924.684	1926.616	1928.549	1930.481	1932.413	1934.346	1936.278	1938.210	1940.143	1942.071

Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:
RIGHT-SIDE DRAINAGE PLAN & PROFILE

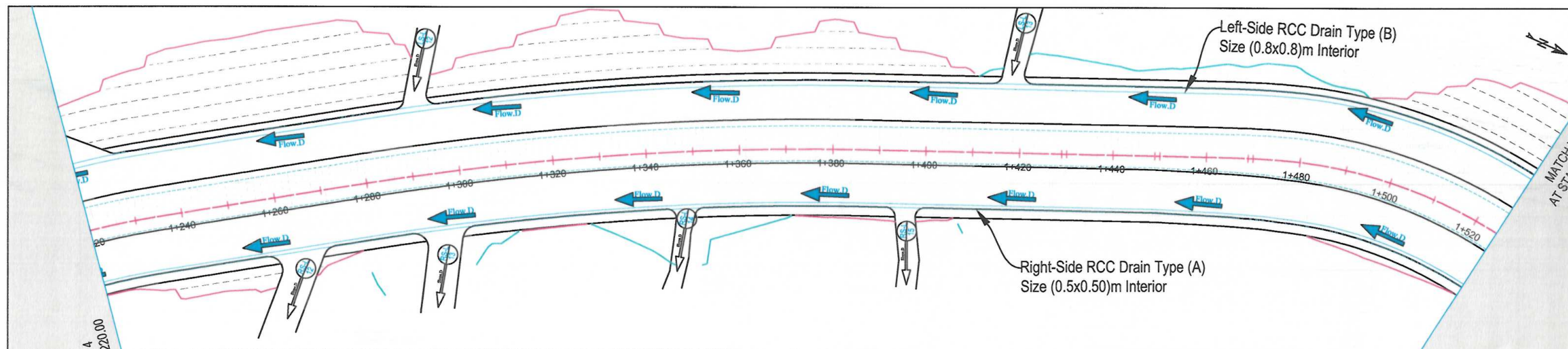
Drawn: Obaidullah Razaqi
Designed: Obaidullah Razaqi
Checked: Hasibullah Shatizi

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

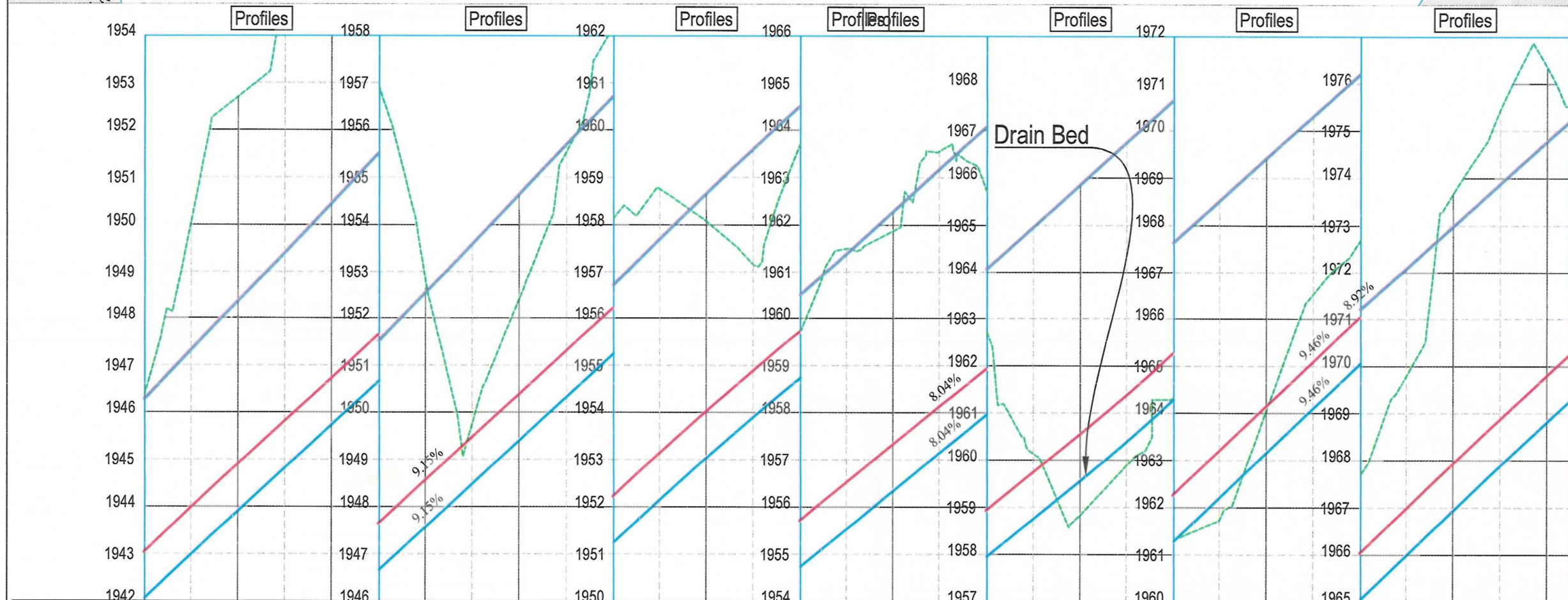
Project Code

SHEET NO. R.S-DP&P 05 of 10 Revision 01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



STATION	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360	1+380	1+400	1+420	1+440	1+460	1+480	1+500	1+520
EXISTING ELEVATION	1946.404	1952.722	1957.404	1952.747	1952.462	1958.149	1958.072	1959.719	1961.892	1962.718	1958.866	1961.323	1964.113	1967.711	1973.705	1976.354
FINISHED ELEVATION LEFT SIDE	1946.267	1948.380	1950.474	1952.567	1954.661	1956.724	1958.676	1960.514	1962.298	1964.082	1965.866	1967.650	1969.434	1971.217	1973.001	1974.785
FINISHED ELEVATION RIGHT SIDE	1943.639	1944.904	1946.735	1948.566	1950.396	1952.227	1954.028	1955.719	1957.331	1958.940	1960.548	1962.267	1964.153	1966.044	1967.936	1969.802
DRAIN BED ELEVATION RIGHT SIDE	1942.071	1943.936	1945.767	1947.598	1949.428	1951.259	1953.060	1954.751	1956.363	1957.972	1959.580	1961.299	1963.185	1965.076	1966.968	1968.834

Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

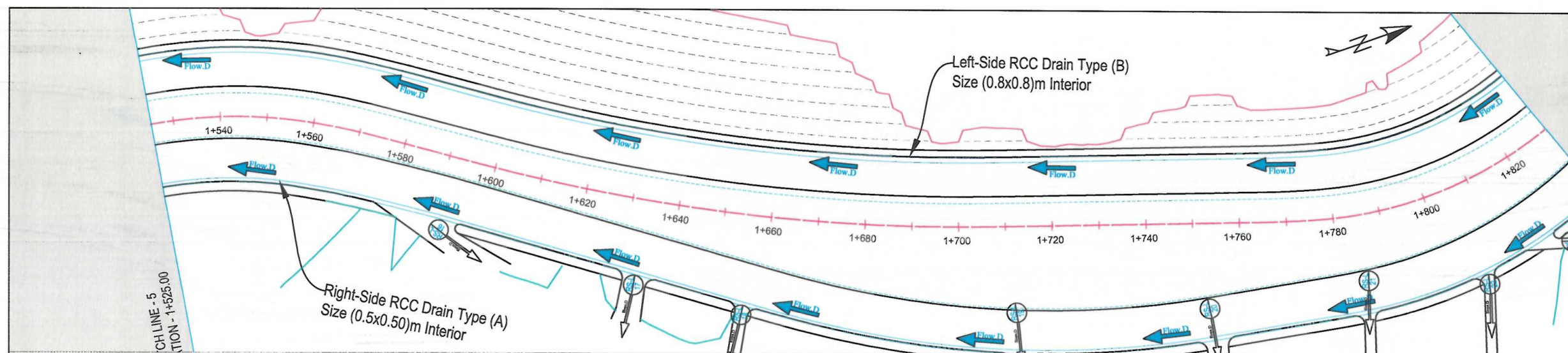
Drawn: Obaidullah Razaqi
Designed: Obaidullah Razaqi
Checked: Hasibullah Shalizi

Date: 08/03/1446 Scale: 1:1000

Status: FINAL DESIGN

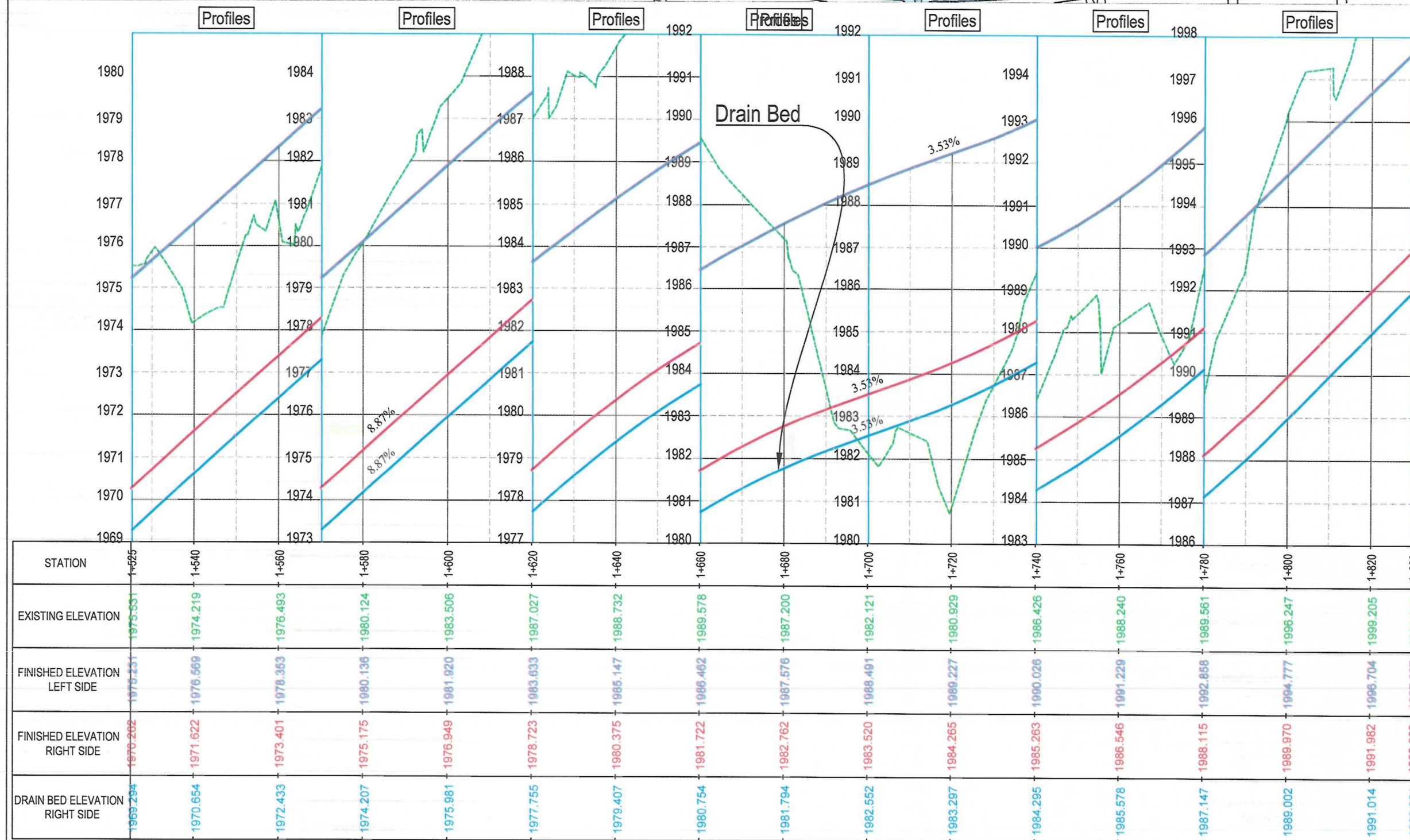
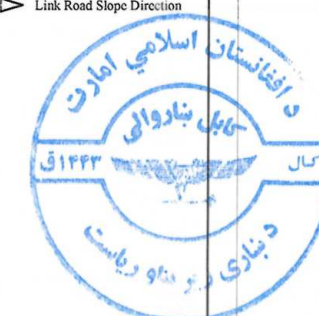
Project Code

SHEET NO. R.S-DP&P 06 of 10 Revision 01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

Drawn: Obaidullah Razaqi
Designed: Obaidullah Razaqi
Checked: Hasibullah Shalizi

Date: 08/03/1446 Scale: 1:1000

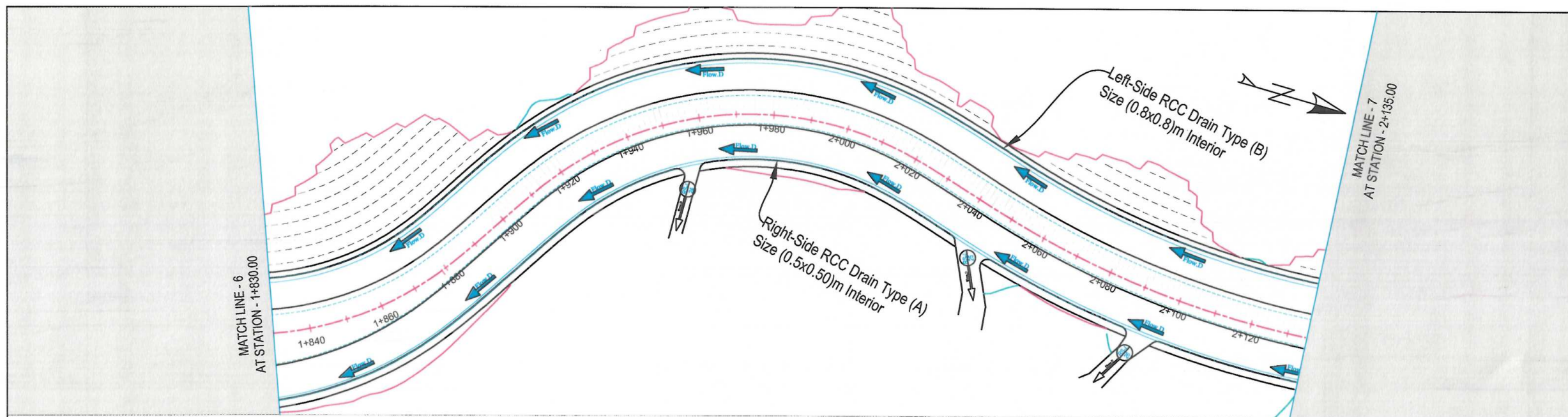
Status: FINEL DESIGN

Project Code

SHEET NO. R.S-DP&P 07 of 10

Revision

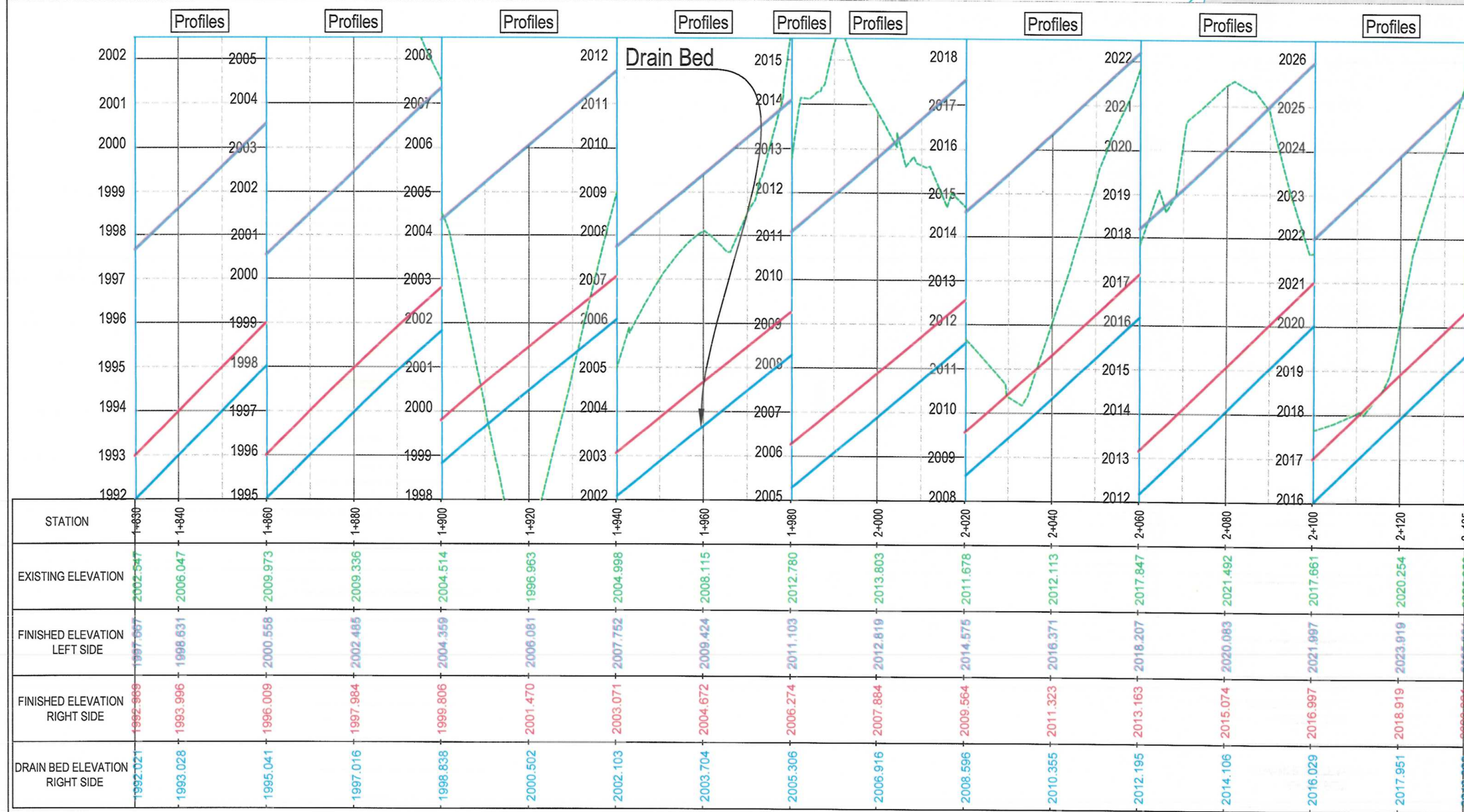
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NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

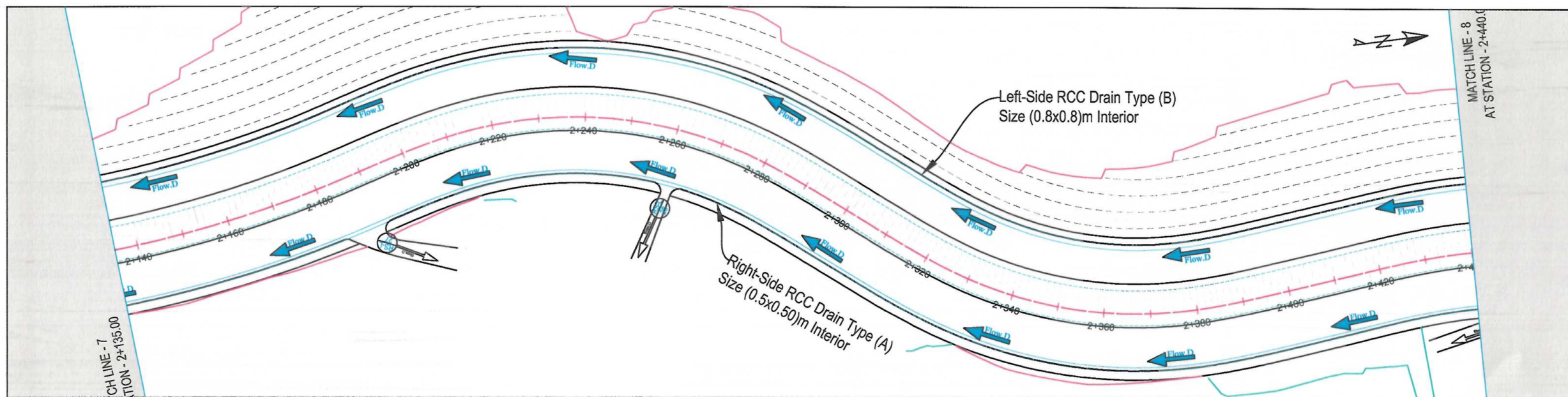
Drawn: Obaidullah Razaqi
Designed: Obaidullah Razaqi
Checked: Hasibullah Shalizi

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

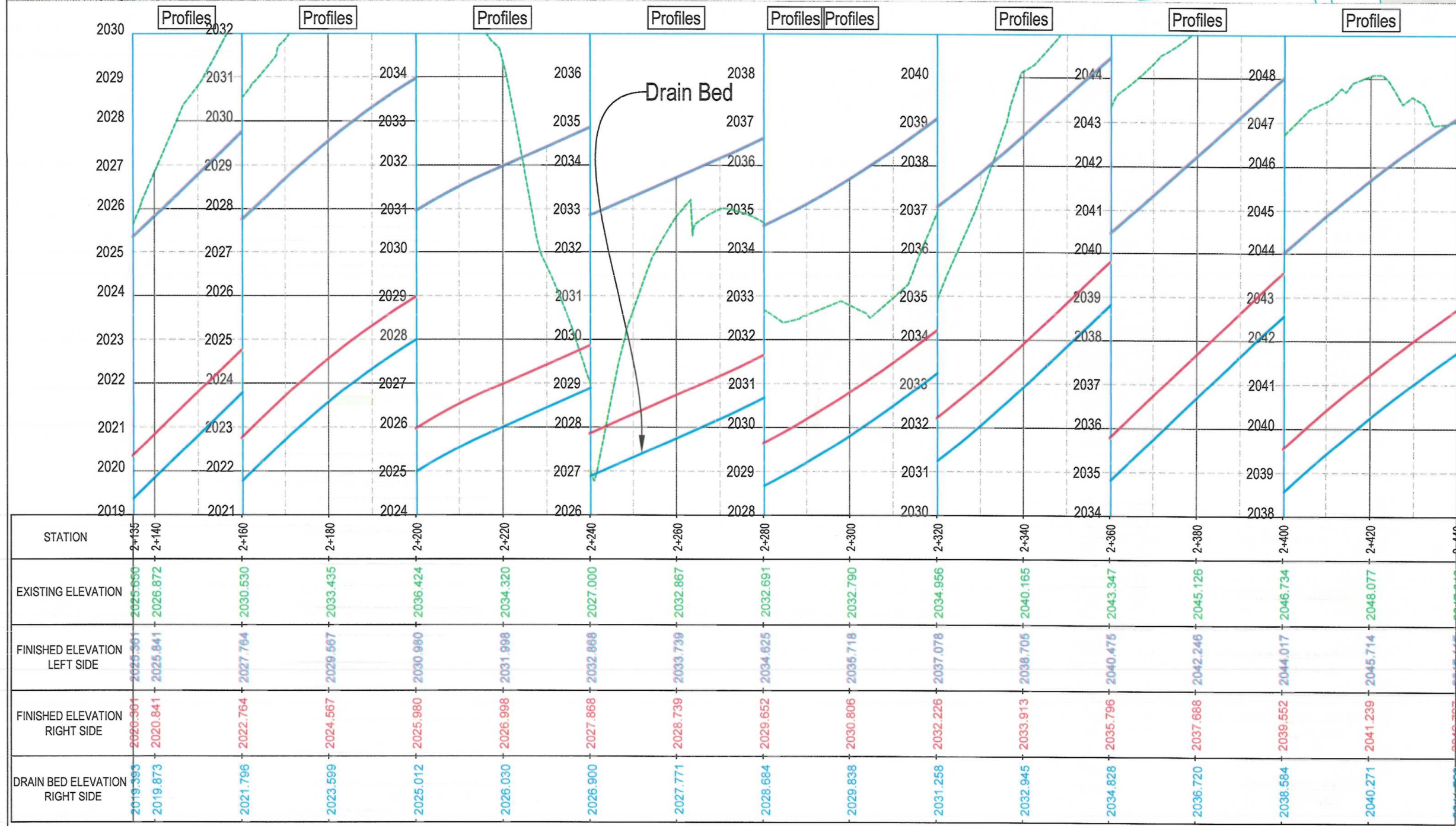
Project Code

SHEET NO. R.S-DP&P 08 of 10 Revision 01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:
RIGHT-SIDE DRAINAGE PLAN & PROFILE

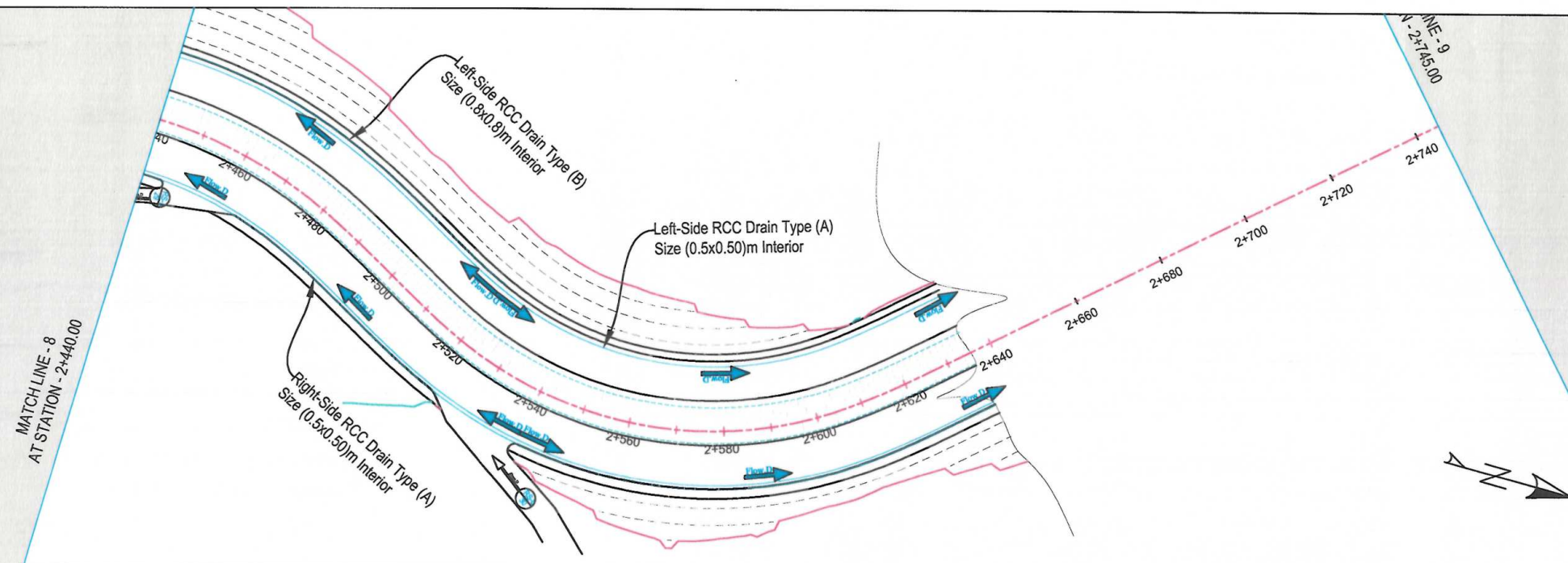
Drawn: Obeidullah Razaqi
Designed: Obeidullah Razaqi
Checked: Hasibullah Shalizi

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

Project Code

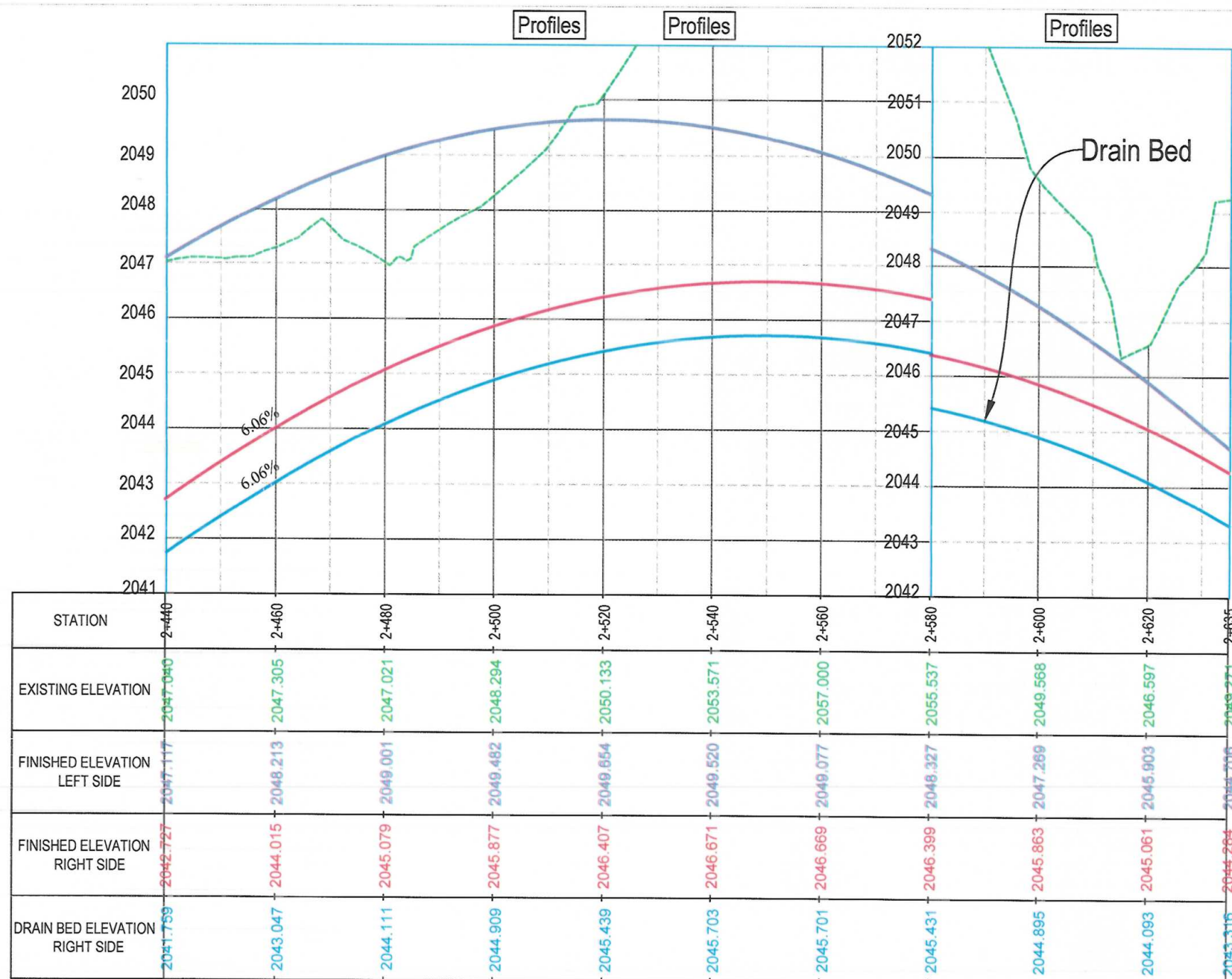
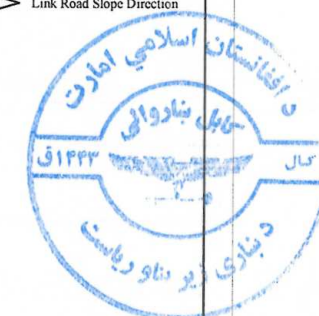
SHEET NO. R.S-DP&P 09 of 10
Revision 01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

RIGHT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Signature:

Designed:

Obaidullah Razaqi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

08/03/1446

Scale:

1:1000

Status:

FINEL

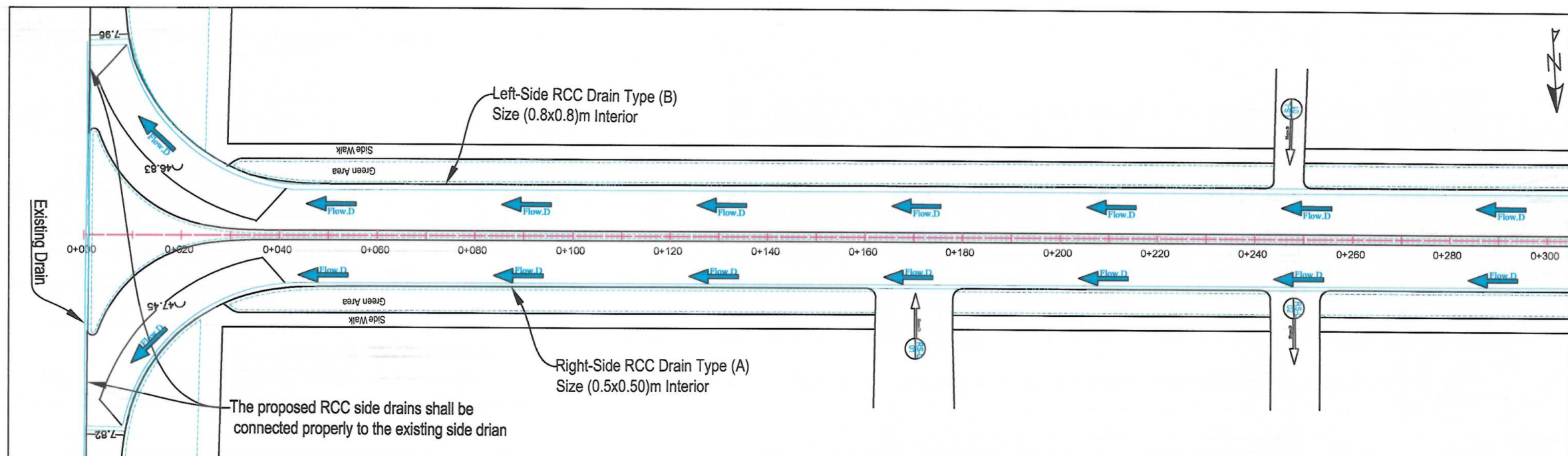
Project Code

SHEET NO.

R.S-DP&P 10 of 10

Revision

01



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

LEGENDS

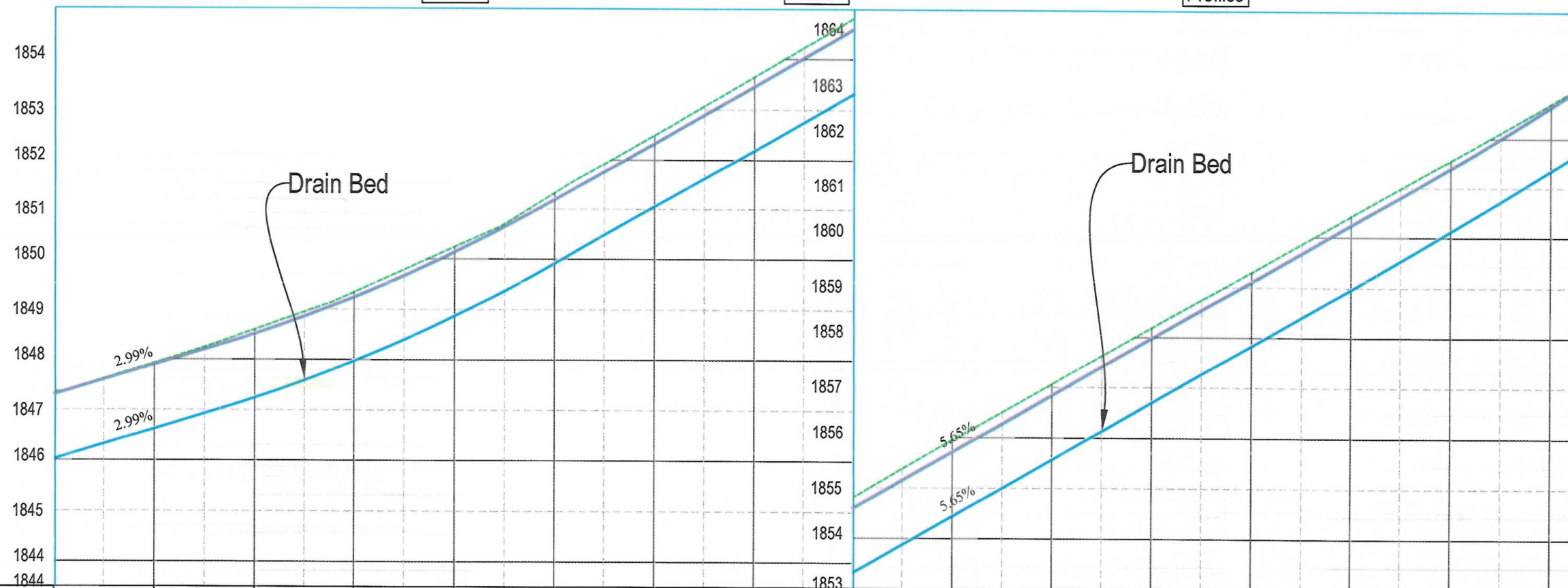
- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Profiles

Profiles

Profiles



STATION	0+00	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+280	0+300
EXISTING ELEVATION	1847.270	1847.948	1848.616	1849.368	1850.262	1851.355	1852.510	1853.668	1854.825	1855.981	1857.095	1858.211	1859.328	1860.444	1861.578	1862.712
FINISHED ELEVATION LEFT SIDE	1847.316	1847.916	1848.525	1849.260	1850.155	1851.210	1852.341	1853.472	1854.603	1855.734	1856.865	1857.995	1859.126	1860.257	1861.411	1862.642
DRAIN BED ELEVATION LEFT SIDE	1846.060	1846.648	1847.257	1847.992	1848.887	1849.942	1851.073	1852.204	1853.335	1854.466	1855.597	1856.727	1857.858	1858.989	1860.143	1861.374

Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Designed:

Obaidullah Razaqi

Checked:

Hasibullah Shalizi

Signature:

Signature:

Signature:

Signature:

Date:

08/03/1446

Status:

FINEL DESIGN

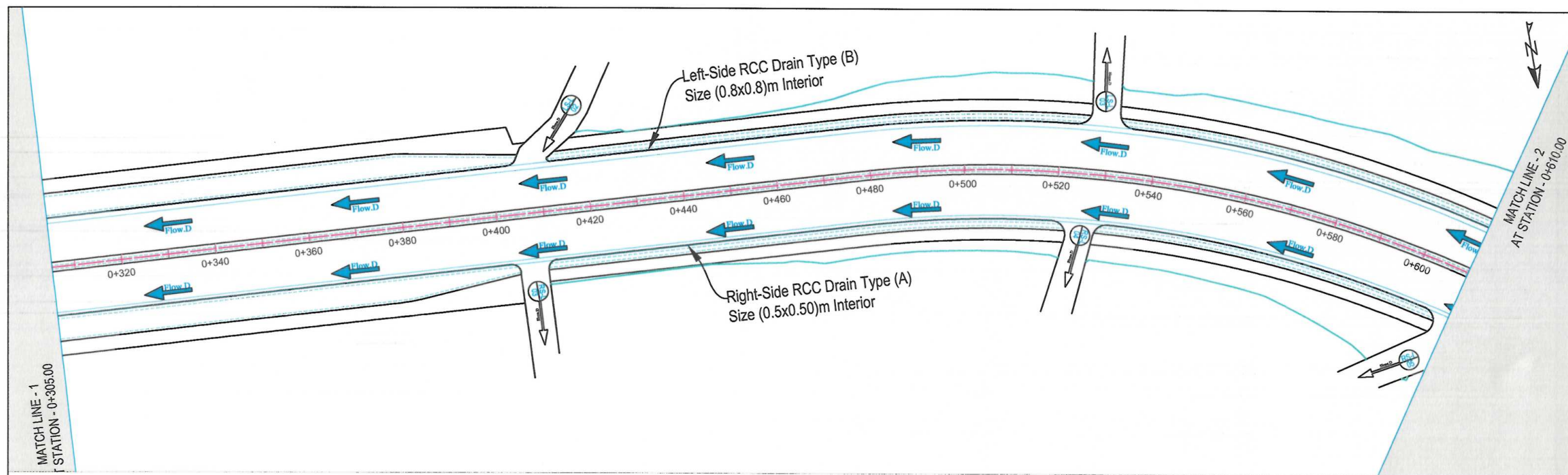
Project Code

SHEET NO.

L.S-DP&P 01 of 12

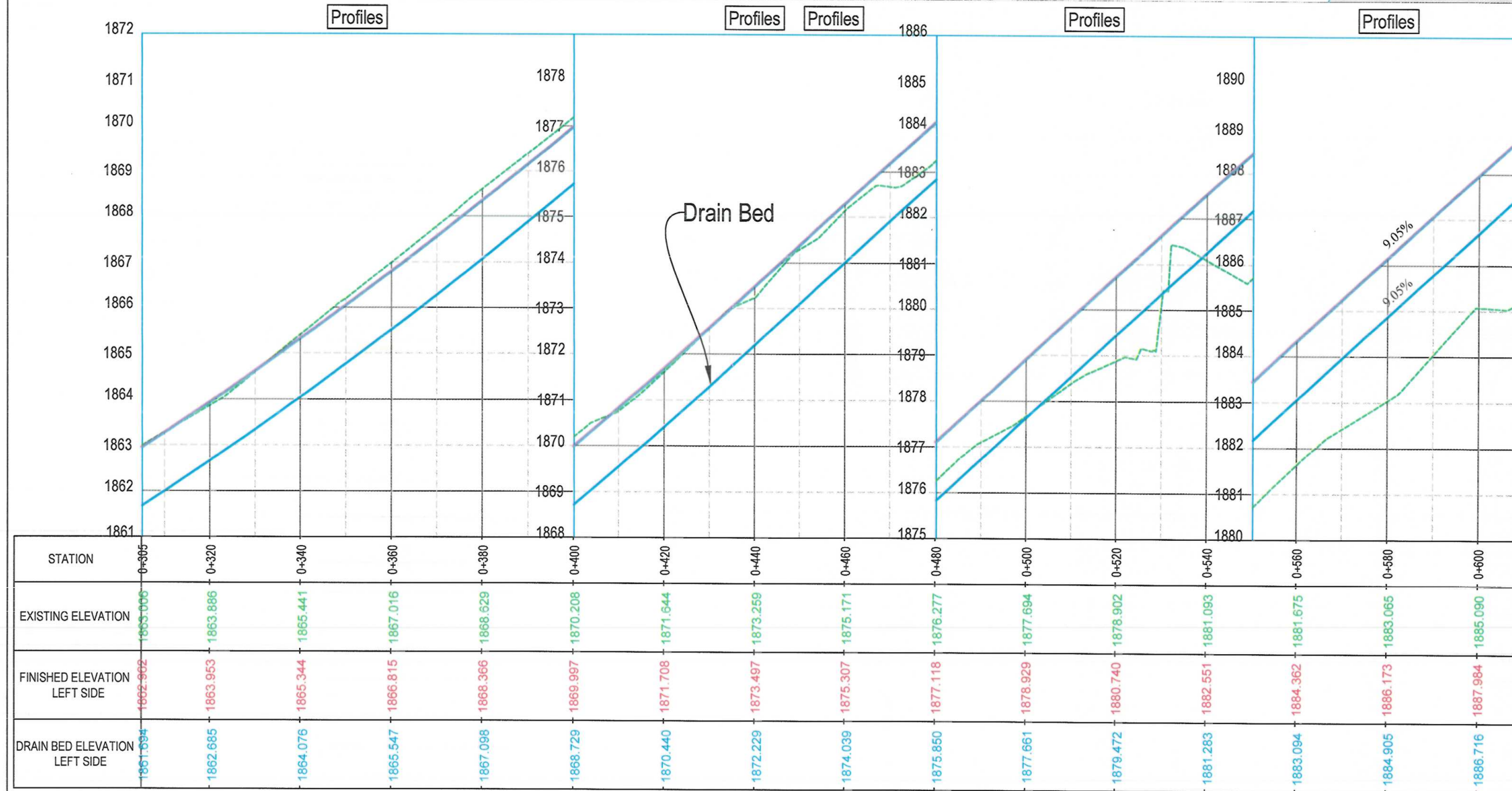
Revision

01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:
LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn: Obaidullah Razzeqi Signature: [Signature]

Designed: Obaidullah Razzeqi Signature: [Signature]

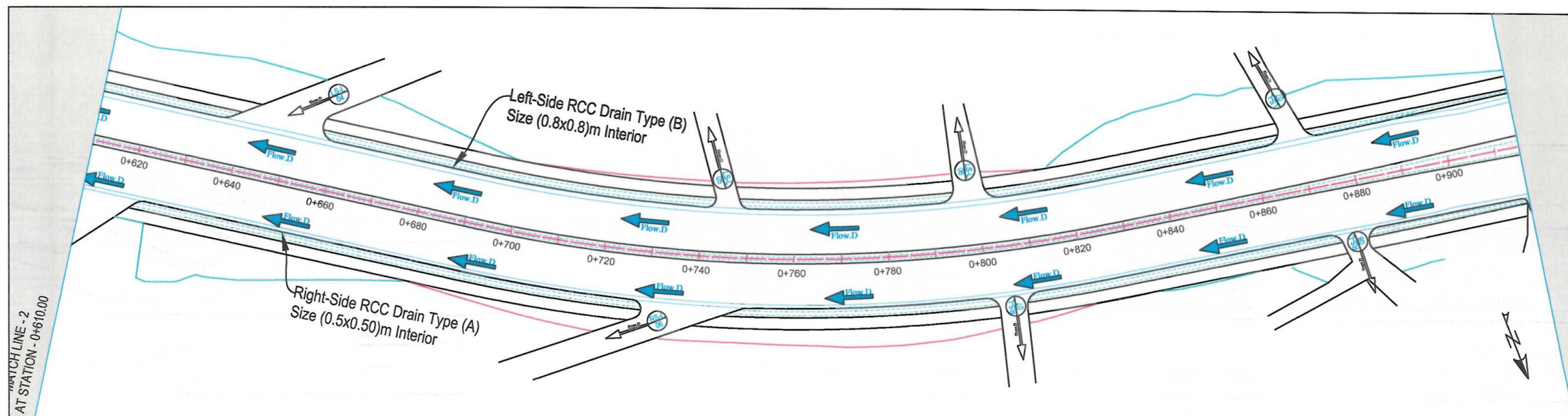
Checked: Hasbullah Shalizi Signature: [Signature]

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

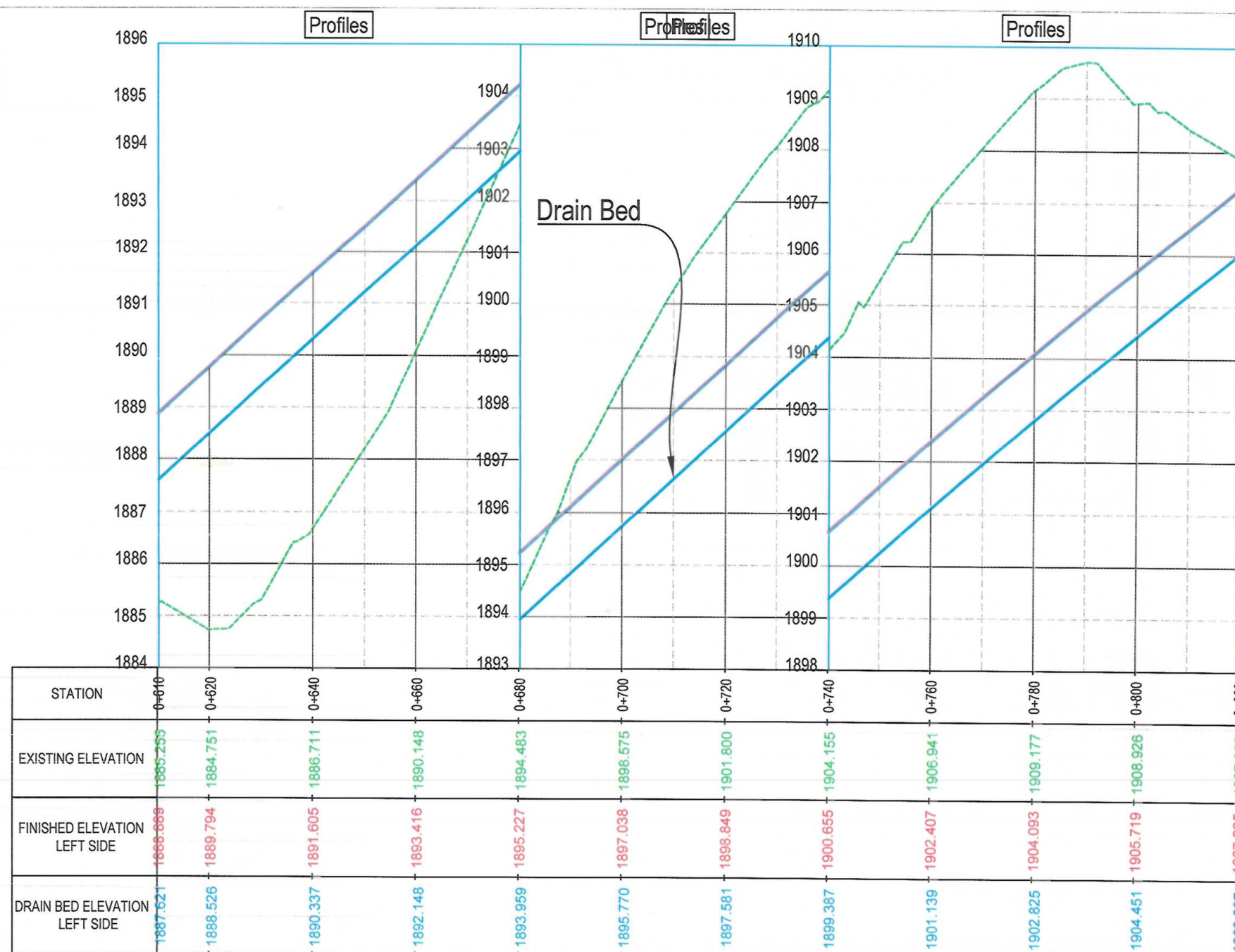
Project Code:

SHEET NO. L.S-DP&P 02 of 12 Revision 01



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Date Revision Details Drawn Chkd. Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn: Obaidullah Razaqi
Designed: Obaidullah Razaqi
Checked: Hasibullah Shalizi

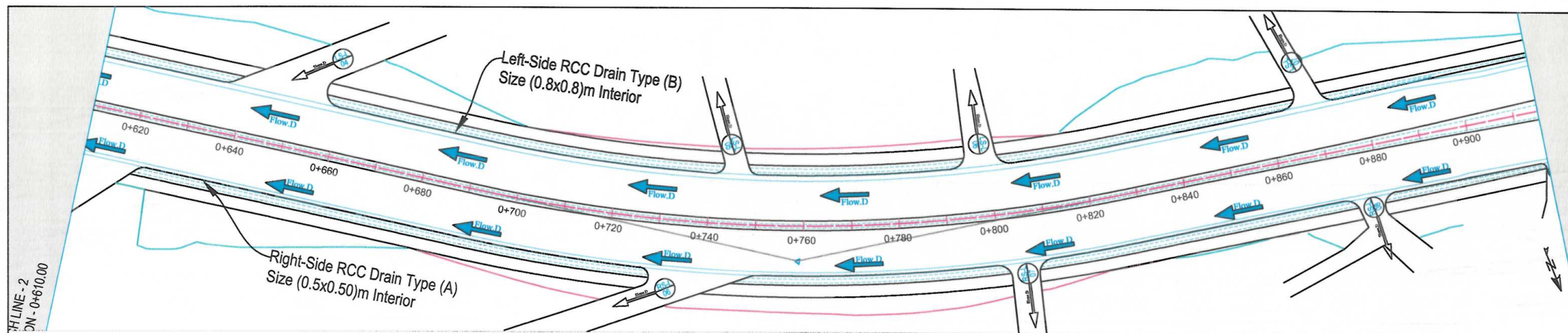
Date: 08/03/1446 Scale: 1:1000

Status: FINAL DESIGN

Project Code

SHEET NO. Revision

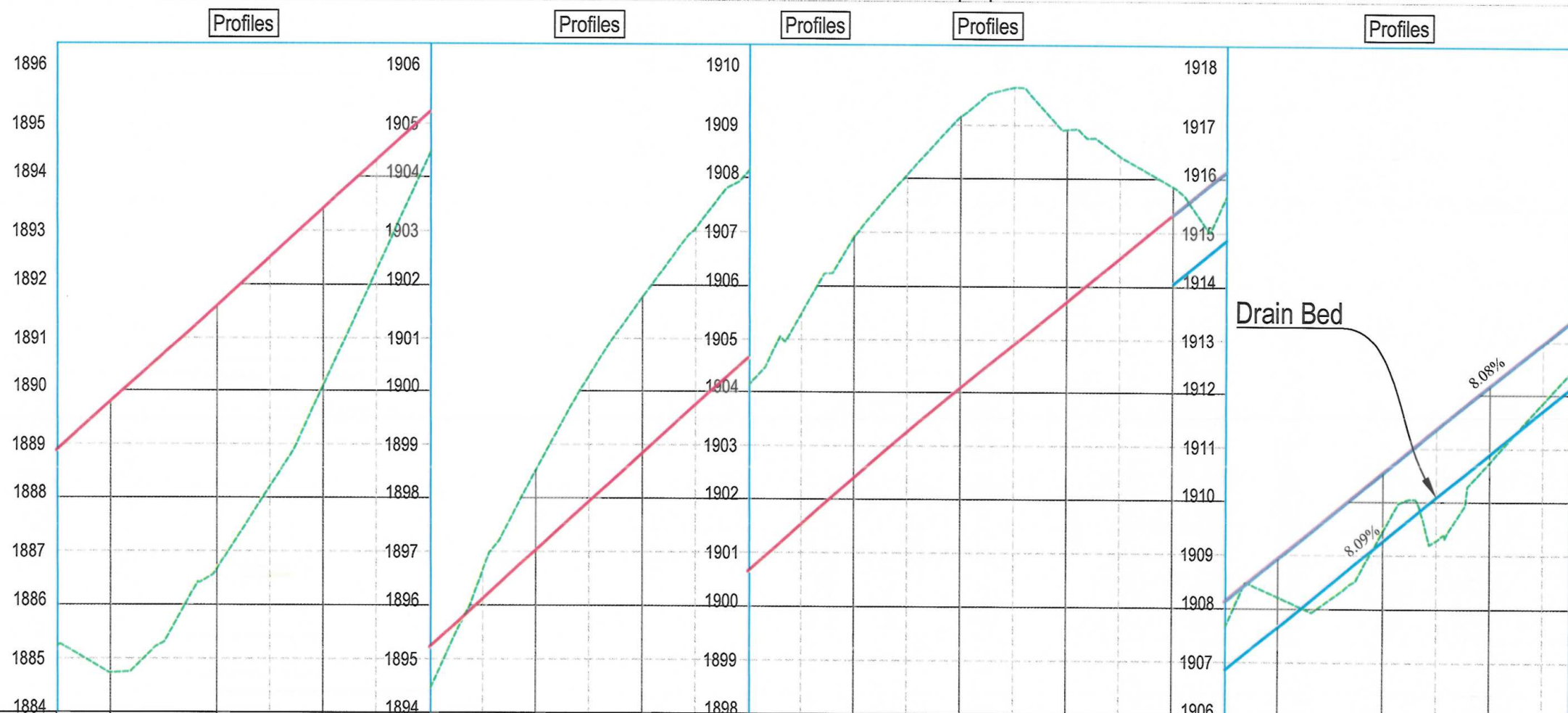
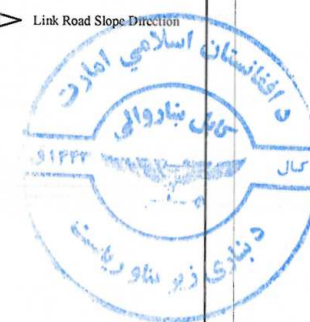
L.S-DP&P 03 of 12 01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



STATION	0+610	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+895
EXISTING ELEVATION	1885.255	1884.751	1886.711	1890.148	1894.483	1898.575	1901.800	1904.155	1906.941	1909.177	1908.926	1907.858	1908.214	1909.518	1910.784	1912.439
FINISHED ELEVATION LEFT SIDE																
FINISHED ELEVATION RIGHT SIDE	1885.689	1889.794	1891.605	1893.416	1895.227	1897.038	1898.849	1900.655	1902.407	1904.093	1905.719	1907.335	1908.951	1910.567	1912.183	1913.385
DRAIN BED ELEVATION LEFT SIDE												1906.067	1907.684	1909.302	1910.919	1912.132

Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razogi

Signature:

Designed:

Obaidullah Razogi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date: 08/03/1446

Scale: 1:1000

Status:

FINAL DESIGN

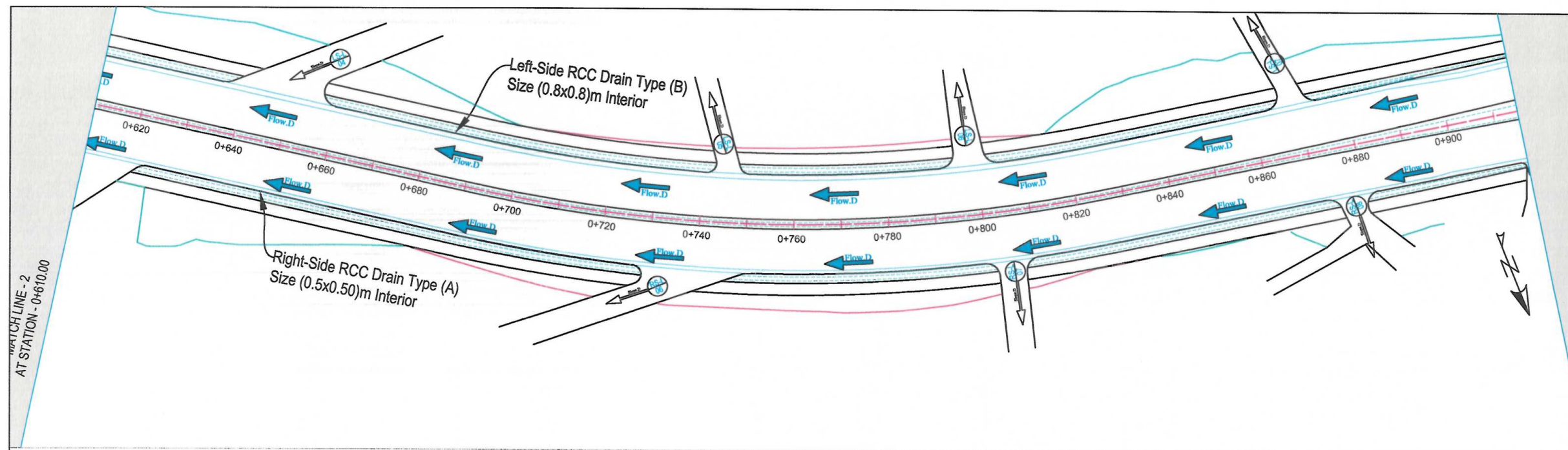
Project Code

SHEET NO.

L.S-DP&P 04 of 12

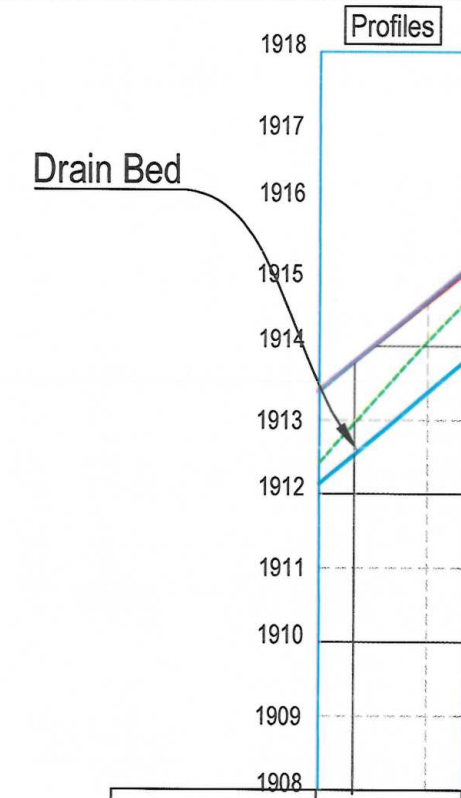
Revision

01



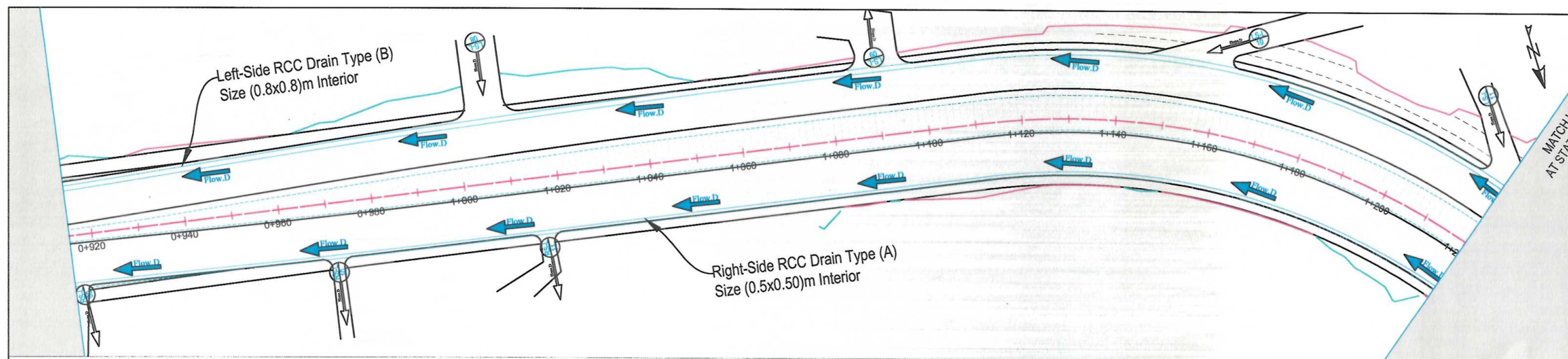
NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow.D
 - Link Road Slope Direction



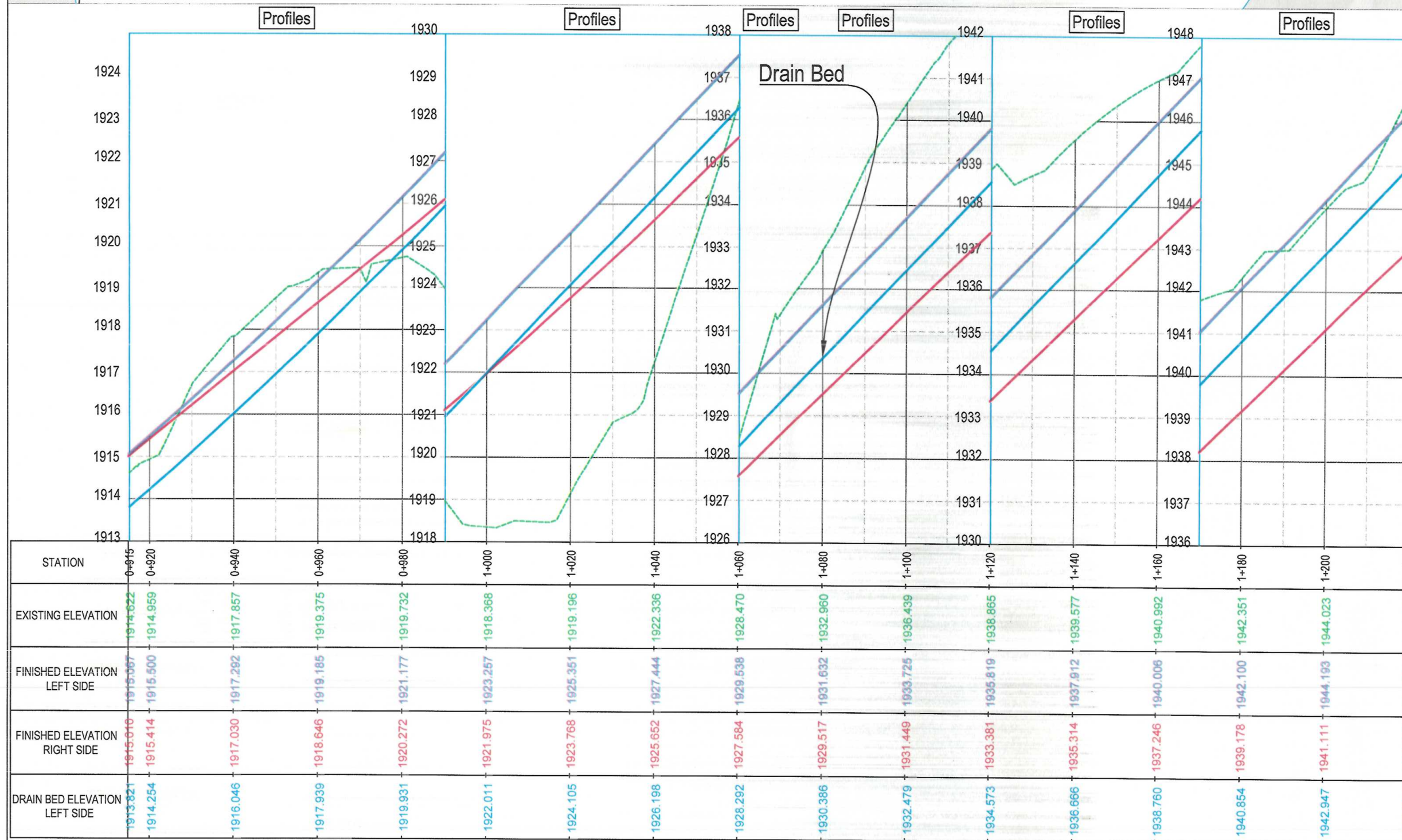
STATION	0+685	0+900	0+915
EXISTING ELEVATION	1912.439	1912.990	1914.622
FINISHED ELEVATION LEFT SIDE	1913.400	1913.807	1915.167
FINISHED ELEVATION RIGHT SIDE	1915.585	1913.799	1915.010
DRAIN BED ELEVATION LEFT SIDE	1912.754	1912.561	1913.321

Date	Revision	Details	Drawn	Chkd.	Appr.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name:					
Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)					
Drawing Title:					
LEFT-SIDE DRAINAGE PLAN & PROFILE					
Drawn:		Signature:			
Designed:		Signature:			
Checked:		Signature:			
Date:		08/03/1446		Scale: 1:1000	
Status:		FINEL DESIGN			
Project Code					
SHEET NO.		L.S-DP&P 05 of 12		Revision	
				01	



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

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn: Obaidullah Razaqi	Signature:
Designed: Obaidullah Razaqi	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 08/03/1446 Scale: 1:1000

Status: FINEL
DESIGN

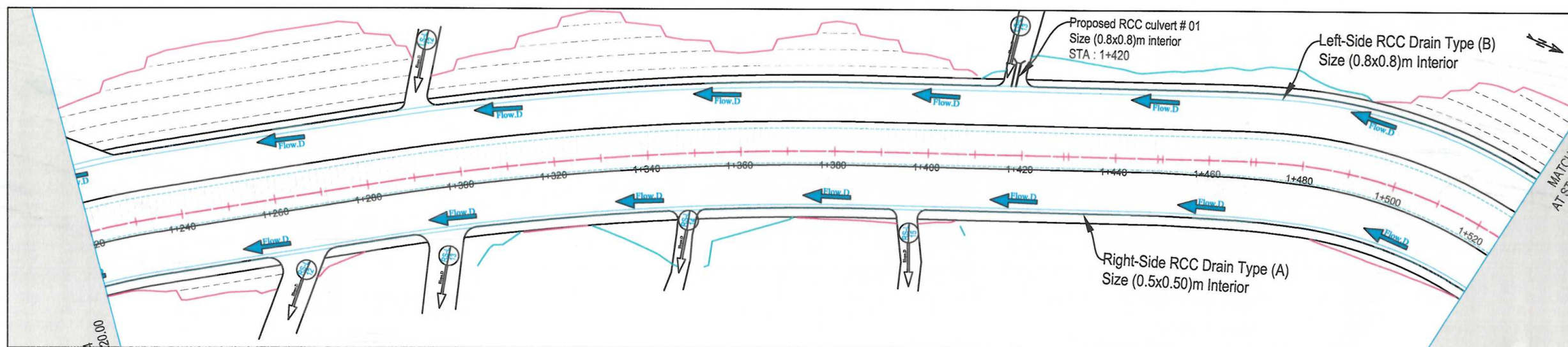
Project Code

SHEET NO.

Revision

L.S-DP&P 06 of 12

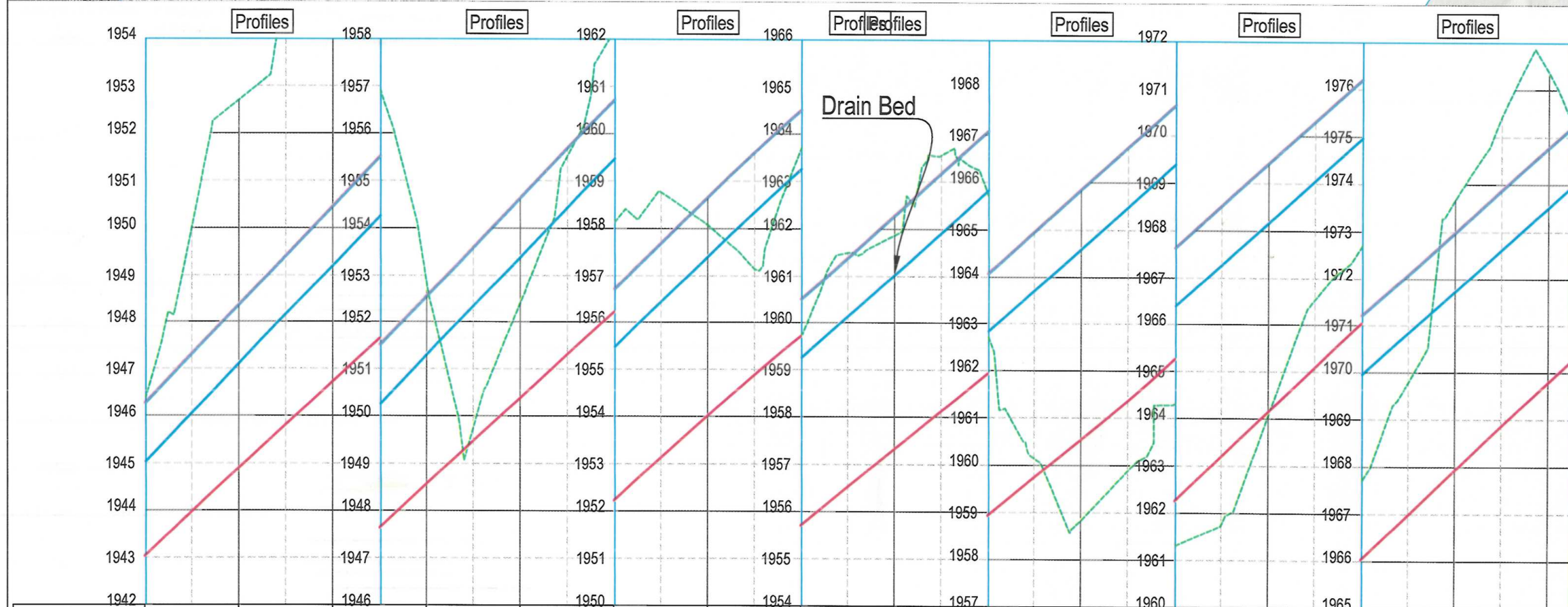
01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



STATION	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360	1+380	1+400	1+420	1+440	1+460	1+480	1+500	1+520
EXISTING ELEVATION	1946.404	1952.722	1957.404	1952.747	1952.462	1956.149	1958.072	1959.719	1961.892	1962.718	1958.866	1961.323	1964.113	1967.711	1973.705	1976.354
FINISHED ELEVATION LEFT SIDE	1946.287	1948.380	1950.474	1952.567	1954.661	1956.724	1958.676	1960.514	1962.298	1964.082	1965.866	1967.650	1969.434	1971.217	1973.001	1974.785
FINISHED ELEVATION RIGHT SIDE	1945.059	1944.904	1946.735	1948.566	1950.396	1952.227	1954.028	1955.719	1957.331	1958.940	1960.548	1962.267	1964.153	1966.044	1967.936	1969.802
DRAIN BED ELEVATION LEFT SIDE	1945.041	1947.134	1949.228	1951.321	1953.415	1955.478	1957.430	1959.268	1961.052	1962.836	1964.620	1966.404	1968.188	1969.971	1971.755	1973.539

Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Hazara -E- Baghal Road Project From 315 to Monshir Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Designed:

Obaidullah Razaqi

Checked:

Hasibullah Shalizi

Date:

08/03/1446

Status:

FINEL DESIGN

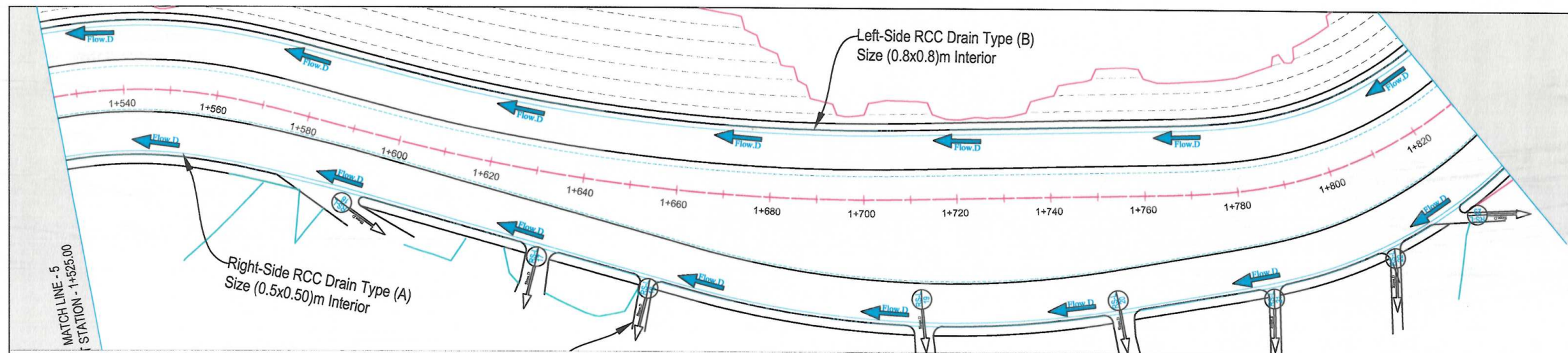
Project Code

SHEET NO.

L.S-DP&P 07 of 12

Revision

01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

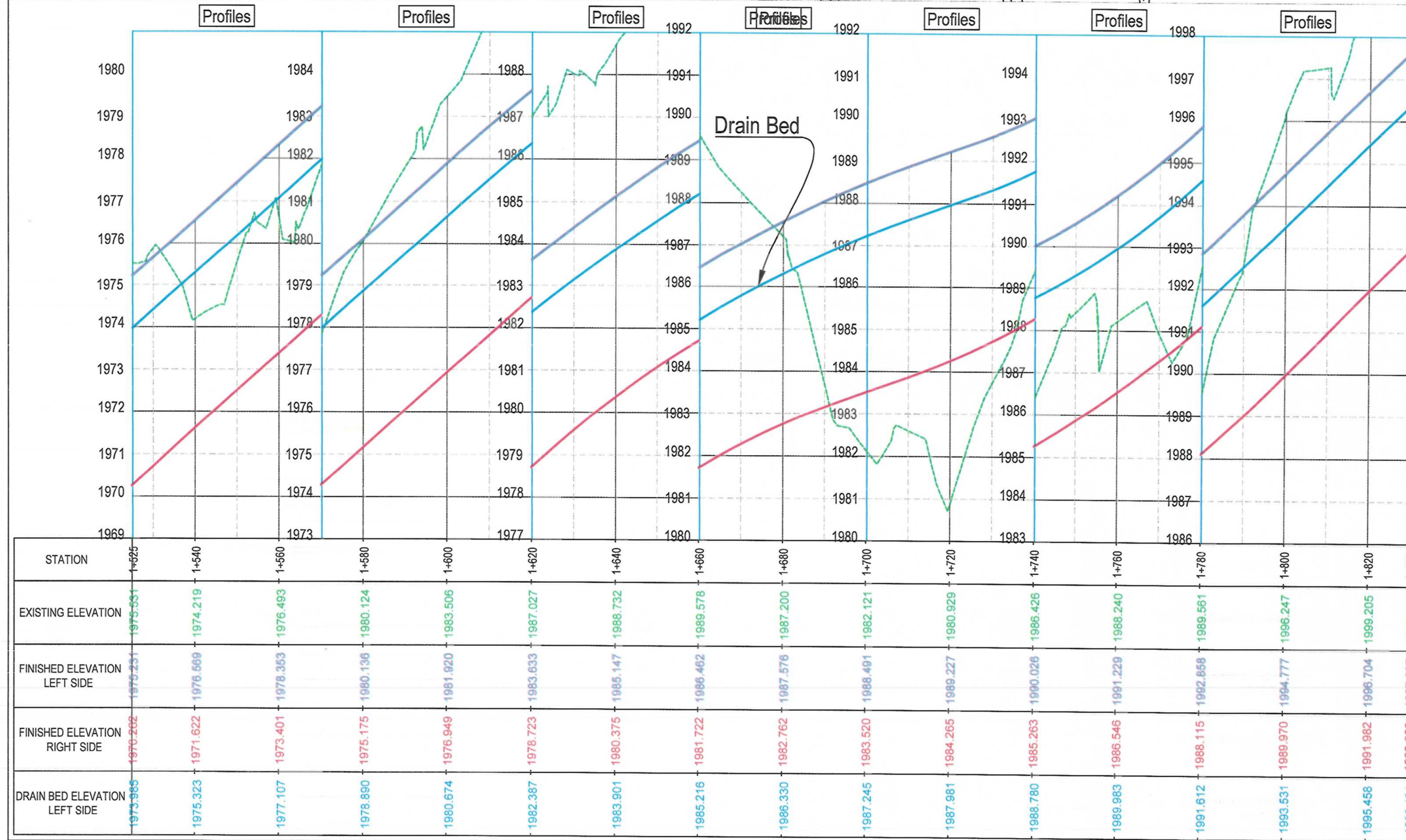
Drawn: Obaidullah Razaqi	Signature:
Designed: Obaidullah Razaqi	Signature:
Checked: Hasibullah Shalizi	Signature:

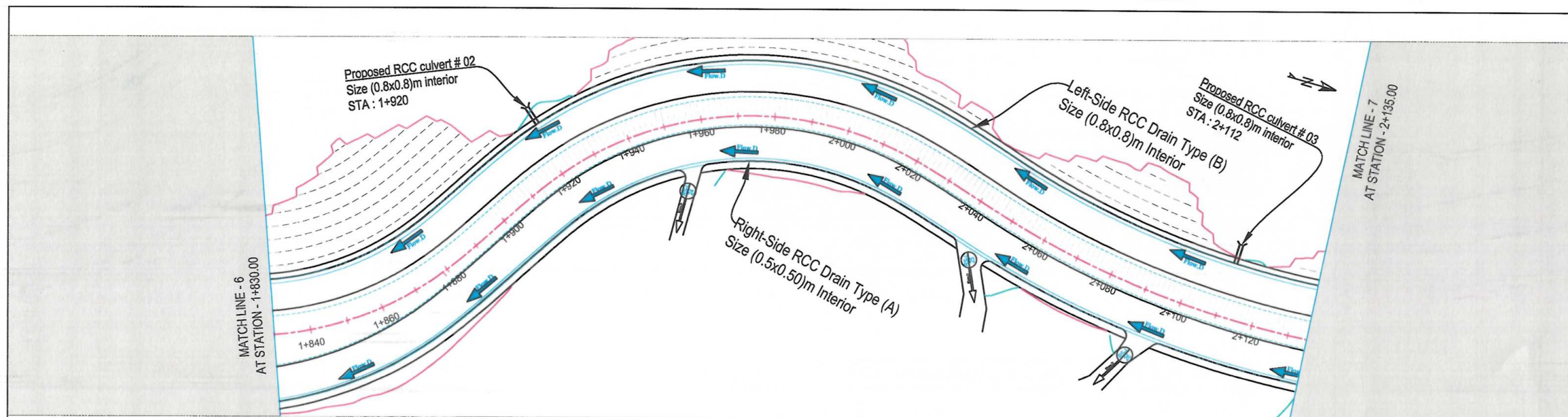
Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

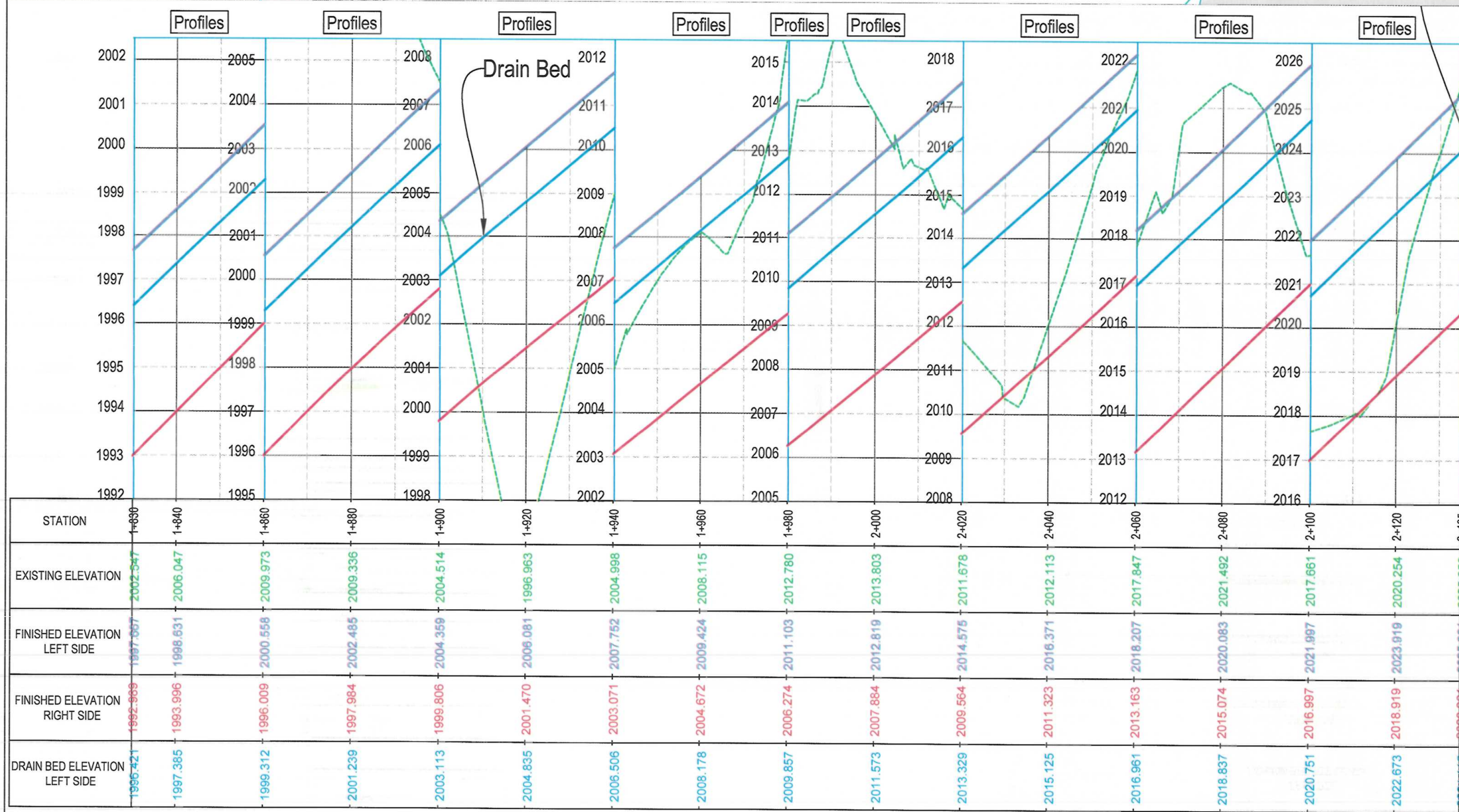
Project Code

SHEET NO.	Revision
L.S-DP&P 08 of 12	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:
Construction of Hazara -E- Baghal Road Project From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

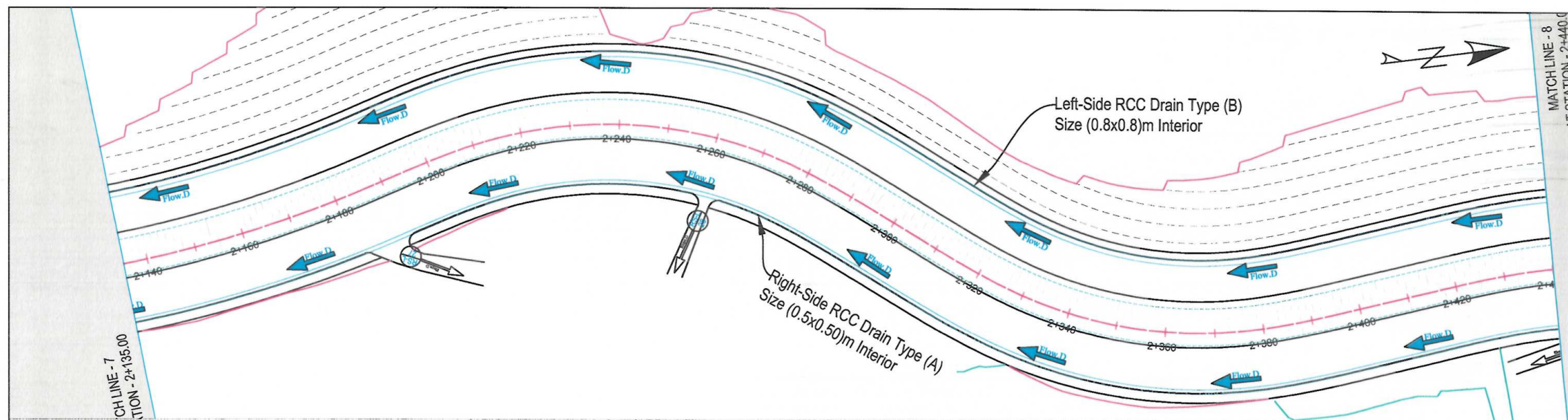
Drawn: Obeidullah Razeqi
Designed: Obeidullah Razeqi
Checked: Hasibullah Shalizi

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

Project Code

SHEET NO. L.S-DP&P 09 of 12
Revision 01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn:

Obaidullah Razaqi

Signature:

Designed:

Obaidullah Razaqi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

08/03/1446

Scale:

1:1000

Status:

FINAL
DESIGN

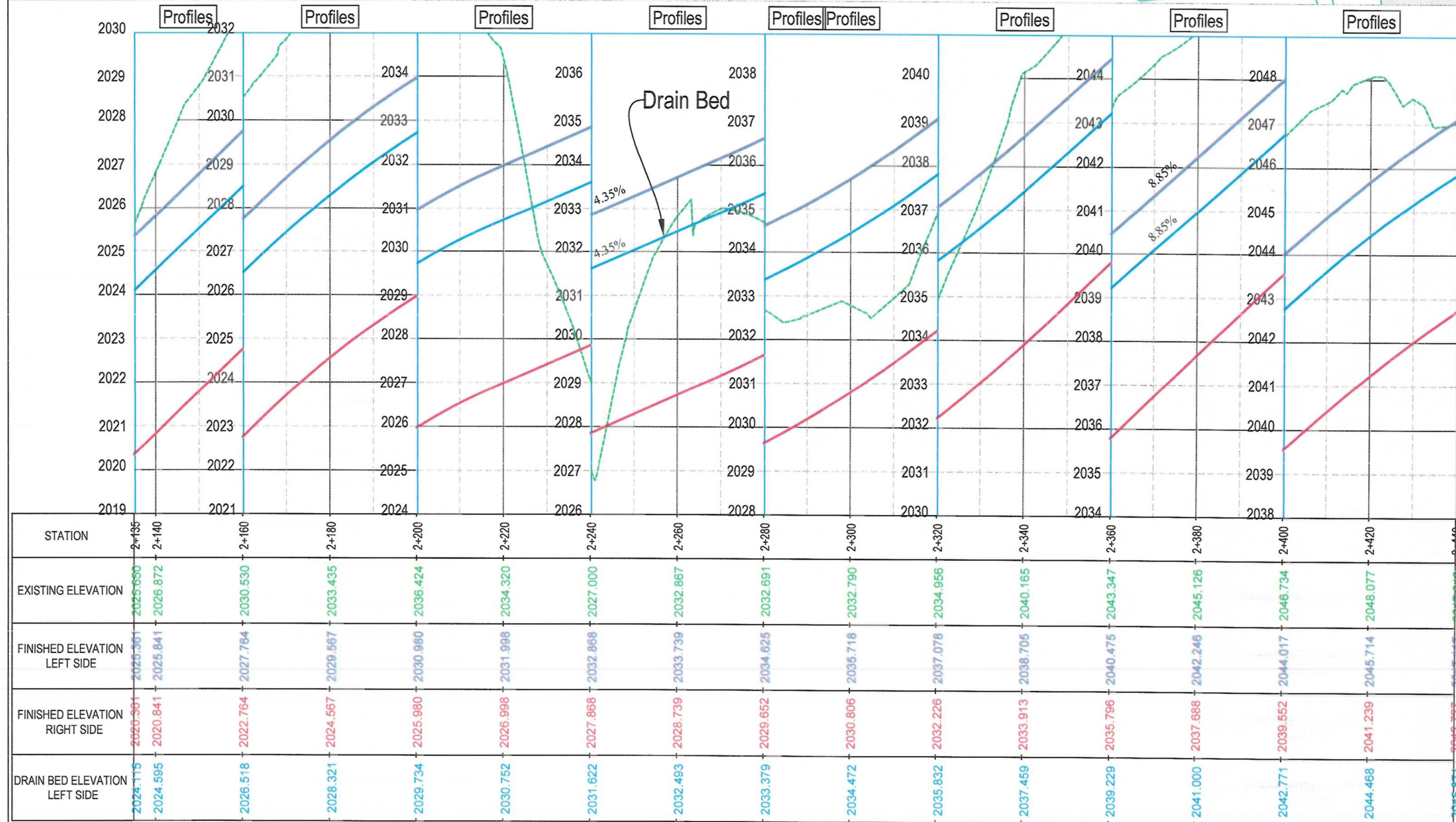
Project Code

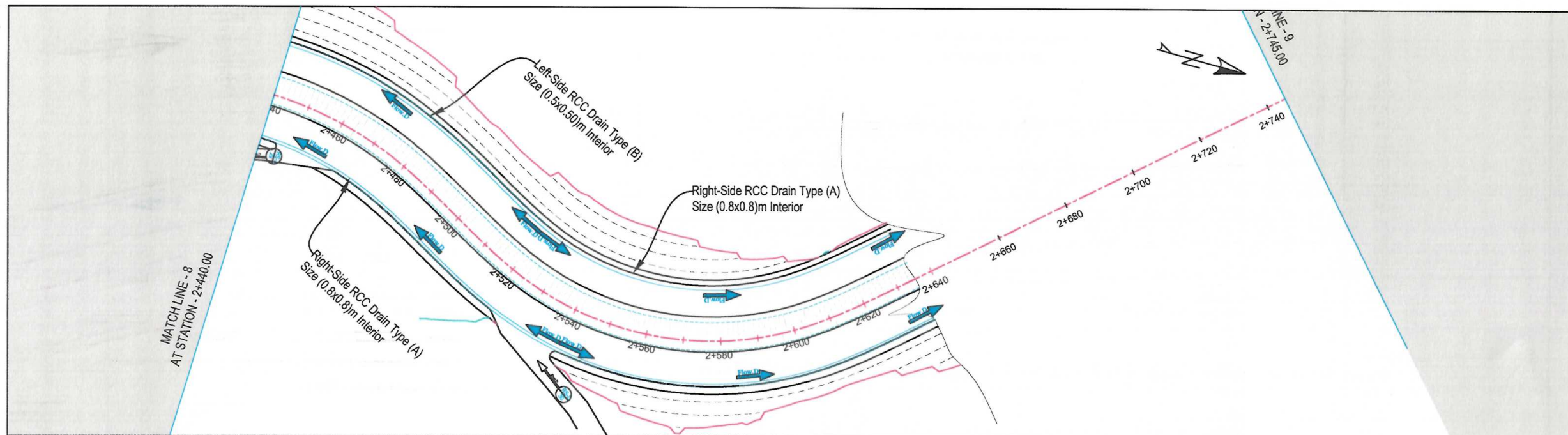
SHEET NO.

L.S-DP&P 10 of 12

Revision

01



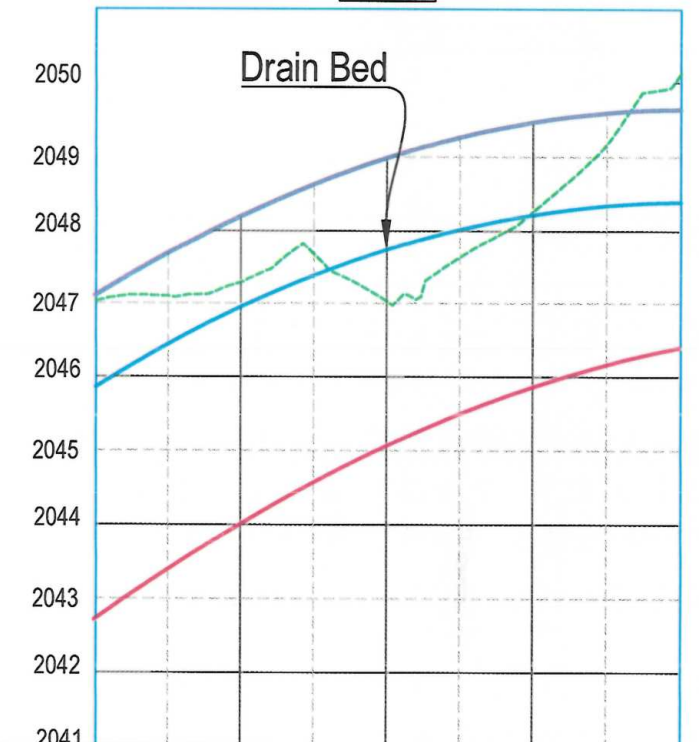


NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - Proposed Culvert
 - Flow Direction
 - Link Road Slope Direction



Profiles



STATION	2+440	2+460	2+480	2+500	2+520
EXISTING ELEVATION	2047.046	2047.305	2047.021	2048.294	2050.133
FINISHED ELEVATION LEFT SIDE	2047.115	2048.213	2049.001	2049.482	2049.654
FINISHED ELEVATION RIGHT SIDE	2042.727	2044.015	2045.079	2045.877	2046.467
DRAIN BED ELEVATION LEFT SIDE	2045.871	2046.967	2047.755	2048.236	2048.406

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

Designed By:



Project Name:
Construction of Hazara -E- Baghal Road Project
From 315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:

LEFT-SIDE DRAINAGE PLAN & PROFILE

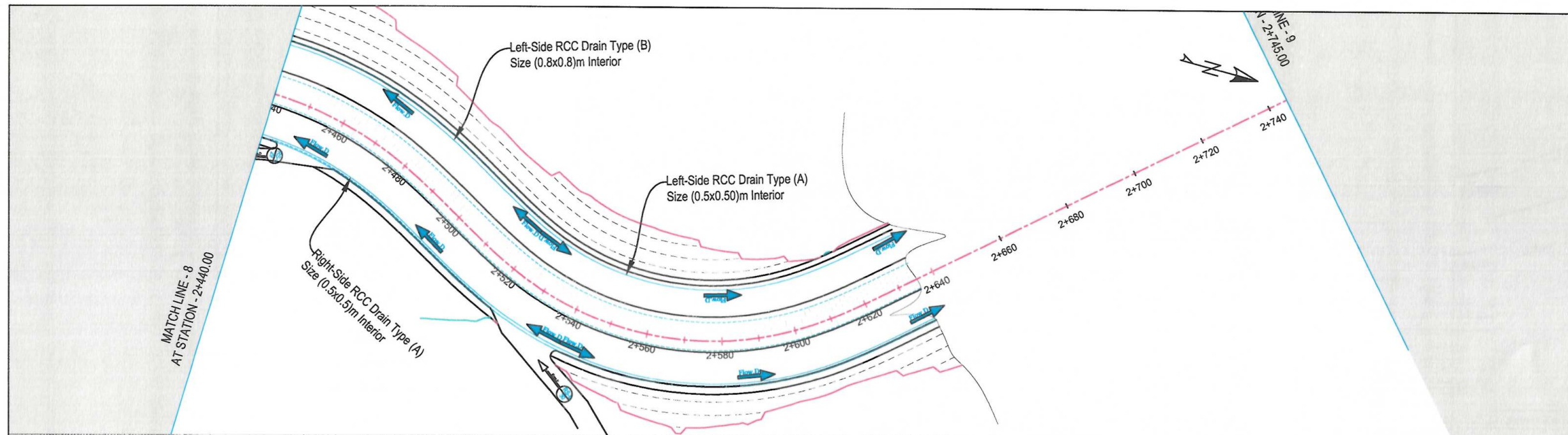
Drawn: Obaidullah Razaqi	Signature:
Designed: Obaidullah Razaqi	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 08/03/1446 Scale: 1:1000

Status: FINEL DESIGN

Project Code

SHEET NO.	Revision
L.S-DP&P 11 of 12	01



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- Proposed Culvert
- Flow Direction
- Link Road Slope Direction



Date	Revision Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction of Hazara -E- Road Project From
315 to Monshi Mir Gulam Town (Lot # 1)

Drawing Title:
LEFT-SIDE DRAINAGE PLAN & PROFILE

Drawn:
Obaidullah Razegi

Signature:

Designed:
Obaidullah Razegi

Signature:

Checked:
Hasibullah Shahzai

Signature:

Date:
08/03/1446

Scale:
1:1000

Status:
FINEL
DESIGN

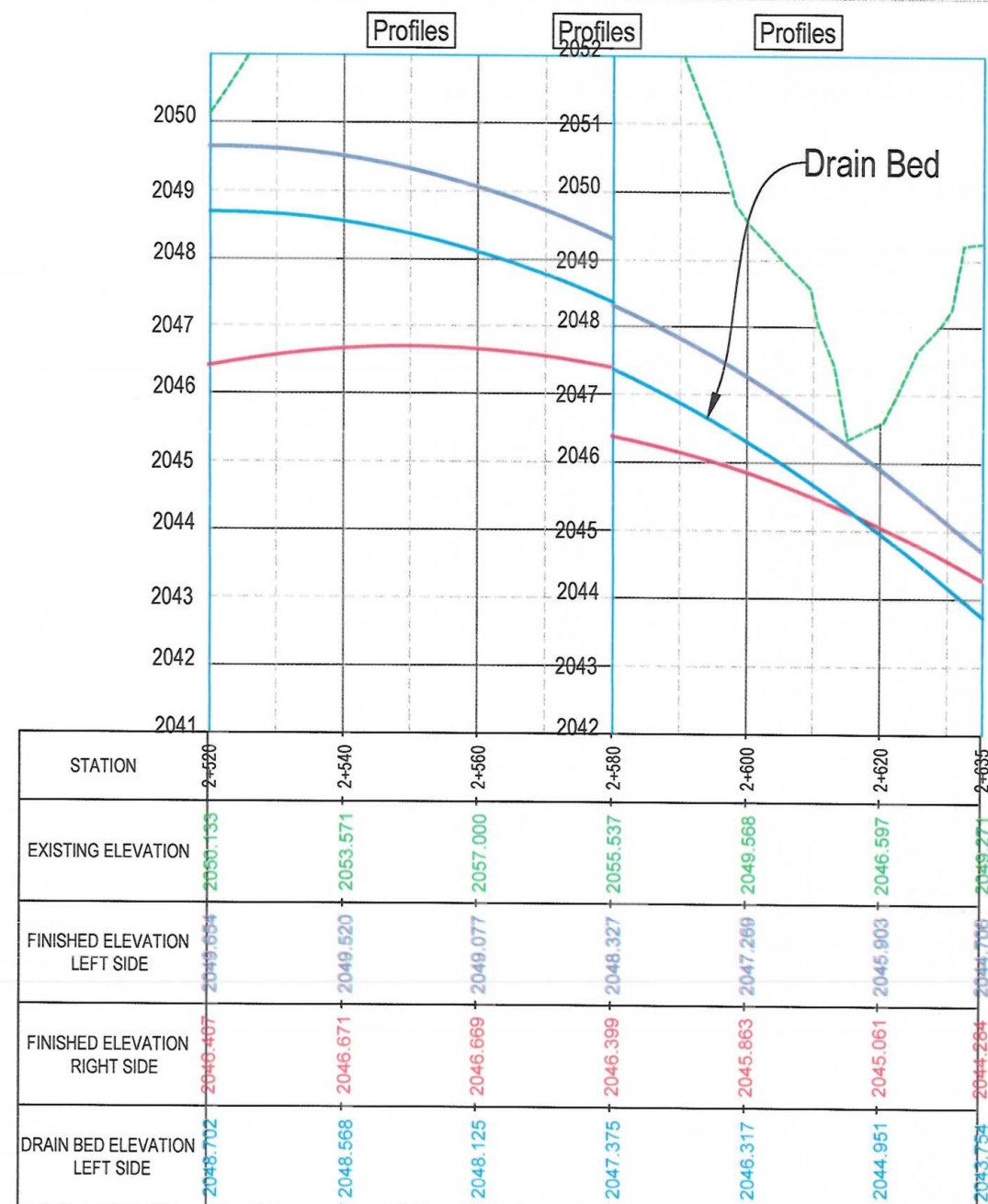
Project Code

SHEET NO.

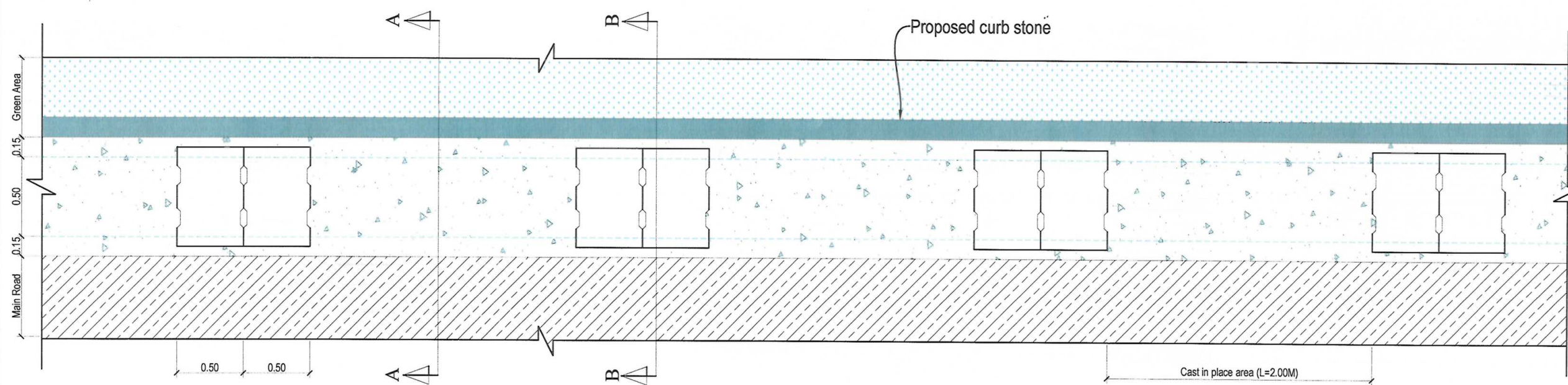
L.S-DP&P 12 of 12

Revision

01



RIGHT SIDE DRAIN (STATION 0+000 TO 0+895) TYPE A



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

NOTE:
1. An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damped, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-c-Baghal road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
TYPE A RIGHT SIDE DRAIN PLAN, SECTIONS&DETAILS

Drawn By: Menhaj Rahman Signature: 
Designed By: Obaidullah Razaqi Signature: 
Checked By: Hasibullah Shalizi Signature: 

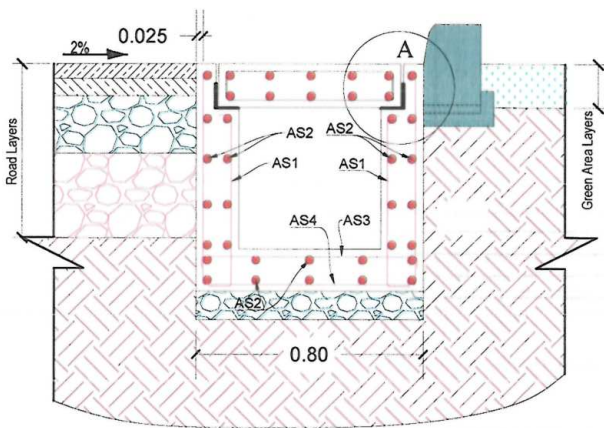
Date: 15/09/2024 Scale:

Status: **FINAL DESIGN**

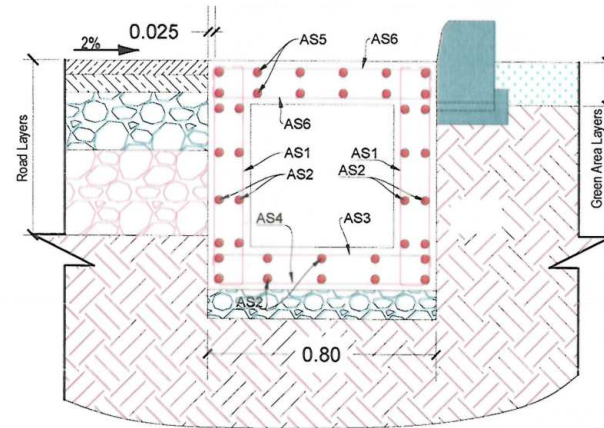
Project Code:

SHEET	REVISION
SDPSD-01 OF 05	00

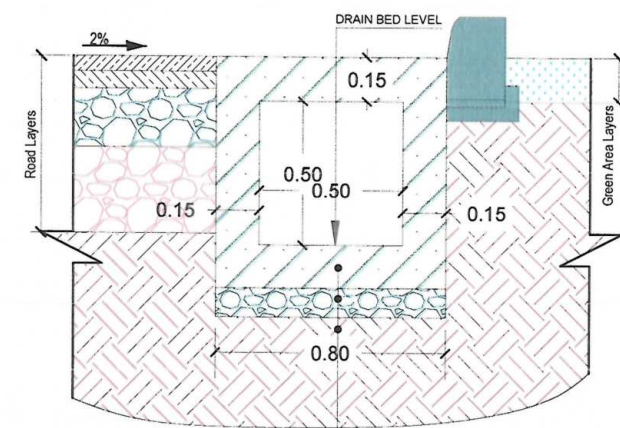
TYPE A SECTION B-B, REINFORCEMENT DETAIL



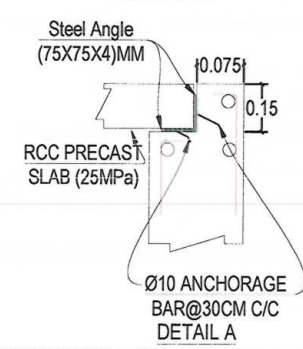
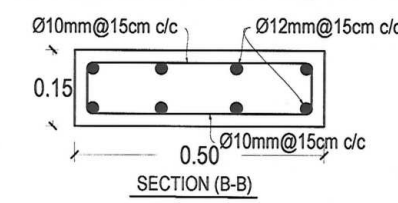
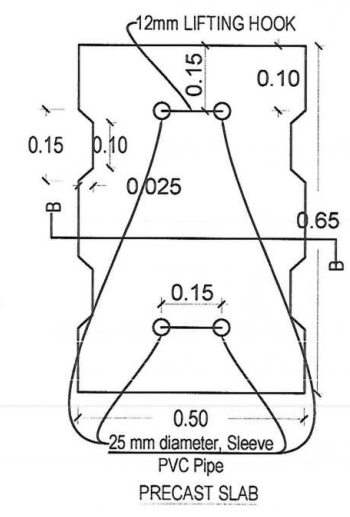
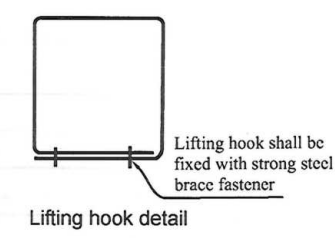
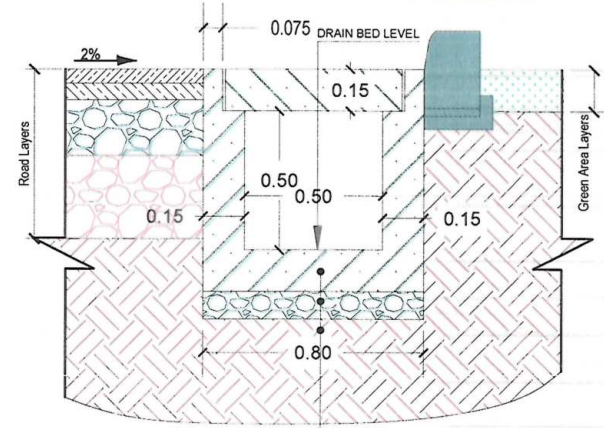
TYPE A SECTION A-A, REINFORCEMENT DETAIL









TYPE A SECTION A-A, DIMENSION AND MATERIAL DETAIL



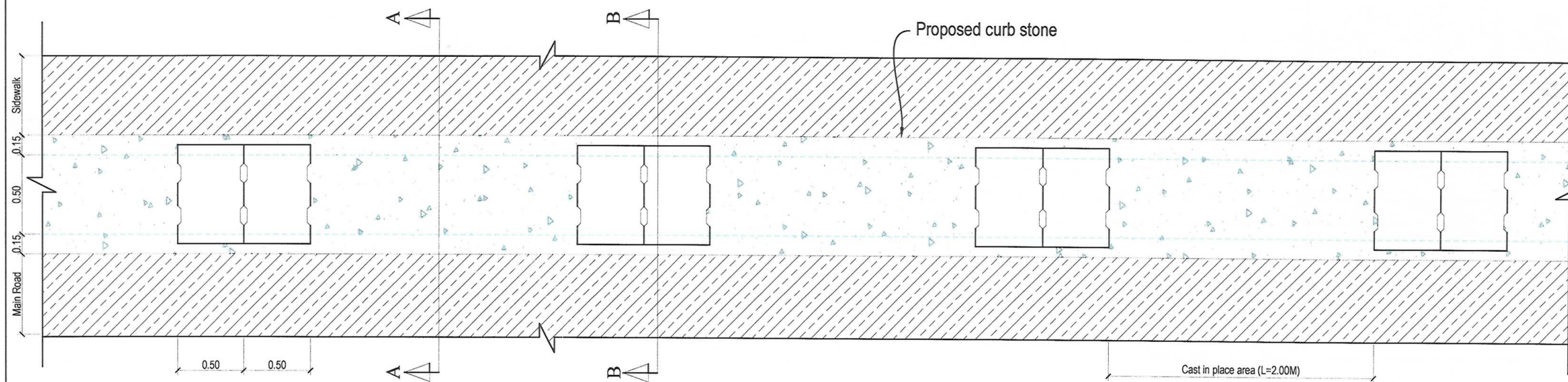
TYPE A SECTION B-B, DIMENSION AND MATERIAL DETAIL



TYPE A SIDE DITCH (0.5X0.50)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	

RIGHT SIDE DRAIN (STATION 0+895 TO 2+635) TYPE A



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

NOTE:
1. An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damped, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-o-Baghal road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
TYPE A RIGHT SIDE DRAIN PLAN, SECTIONS&DETAILS

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

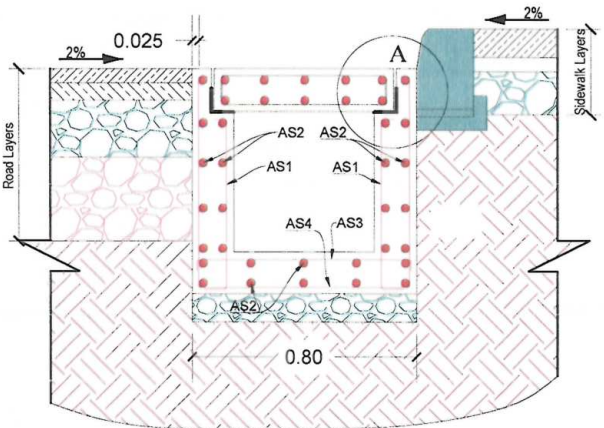
Date: 15/09/2024 Scale:

Status: FINAL DESIGN

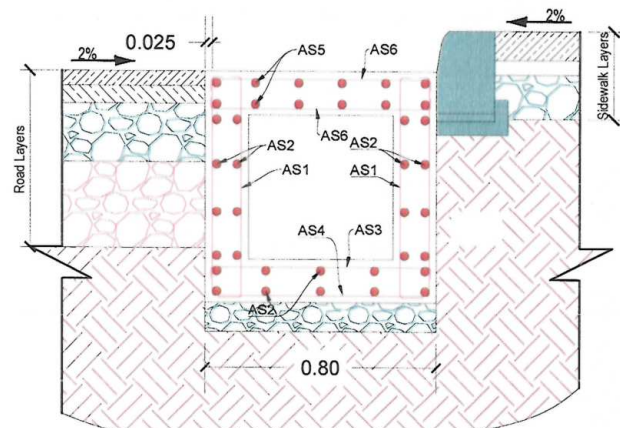
Project Code

SHEET SDPSD-02 OF 05 REVISION 00

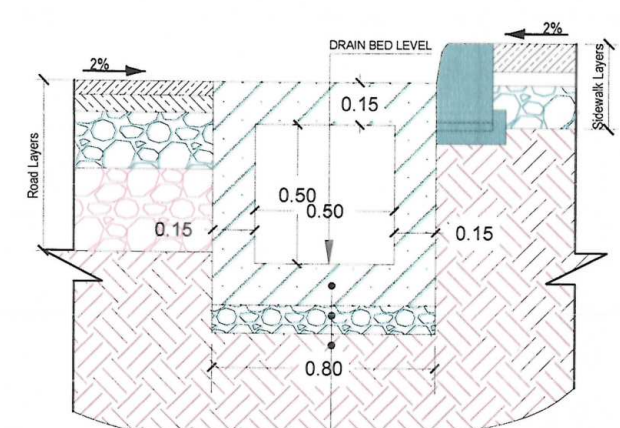
TYPE A SECTION B-B, REINFORCEMENT DETAIL



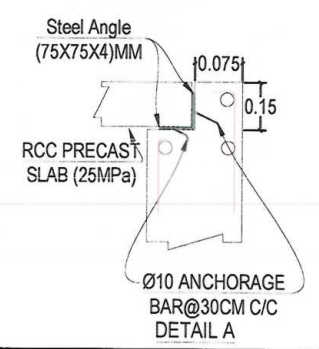
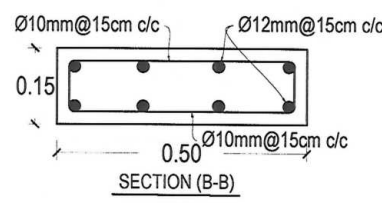
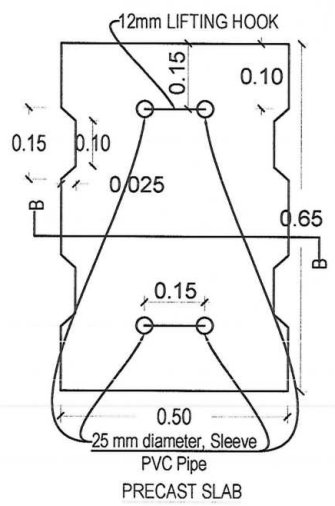
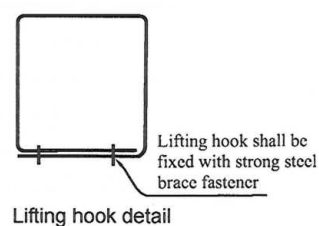
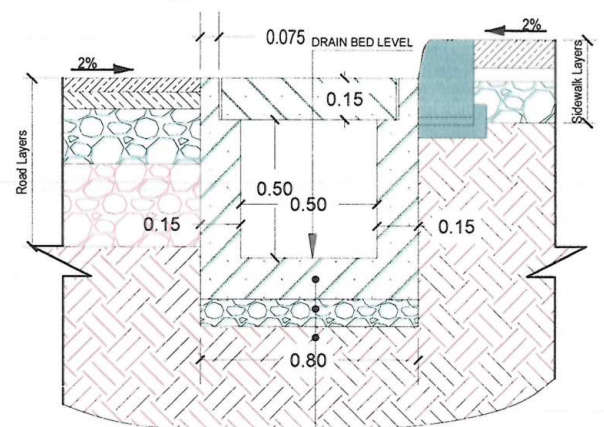
TYPE A SECTION A-A, REINFORCEMENT DETAIL



TYPE A SECTION A-A, DIMENSION AND MATERIAL DETAIL



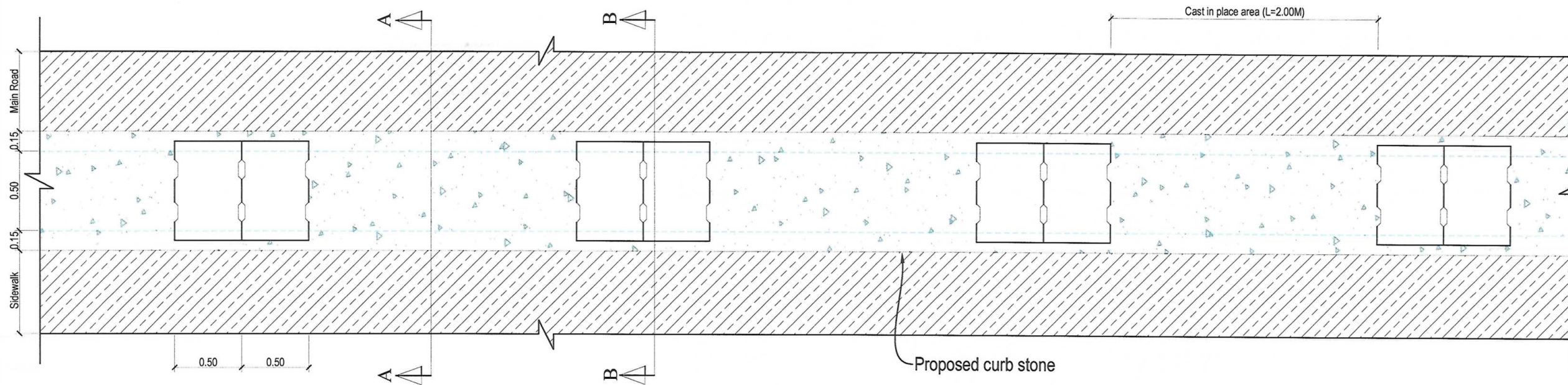
TYPE A SECTION B-B, DIMENSION AND MATERIAL DETAIL



TYPE A SIDE DITCH (0.5X0.50)M REINFORCEMENT SCHEDULE

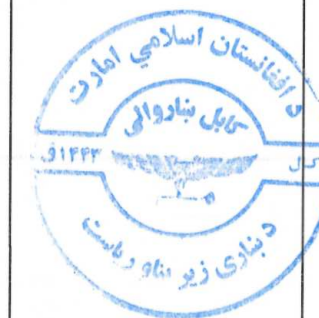
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	

LEFT SIDE DRAIN (STATION 2+520 TO 2+635) TYPE A



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

NOTE:
1. An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damped, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-e-Baghel road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
TYPE A LEFT SIDE DRAIN PLAN, SECTIONS&DETAILS

Drawn By: Menhajul Rahman
Designed By: Obaidullah Razaqi
Checked By: Hasibullah Shalizi

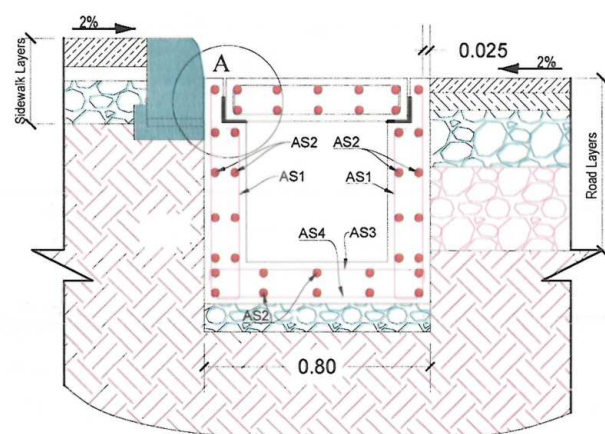
Date: 15/09/2024
Scale:

Status: **FINAL DESIGN**

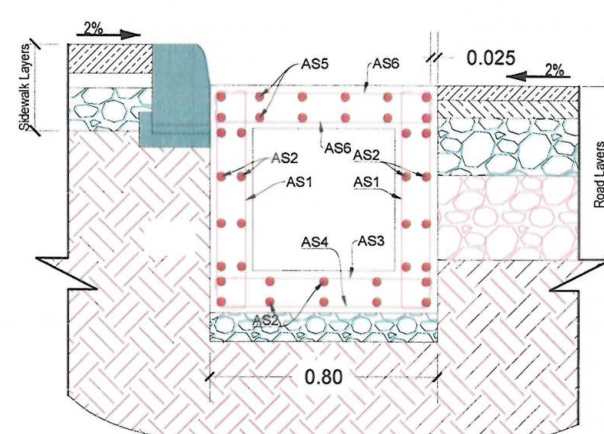
Project Code:

SHEET
SDPSD-03 OF 05

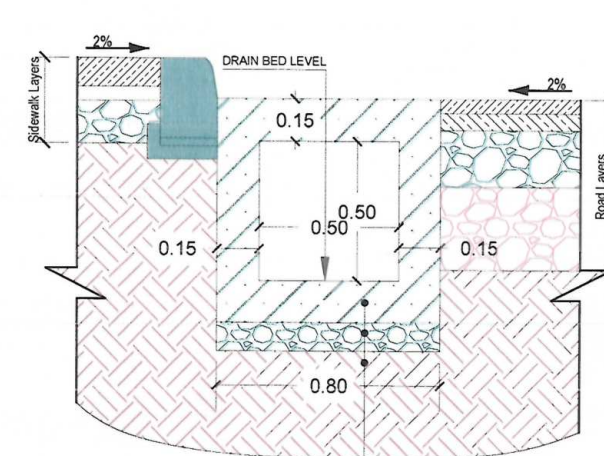
REVISION
00



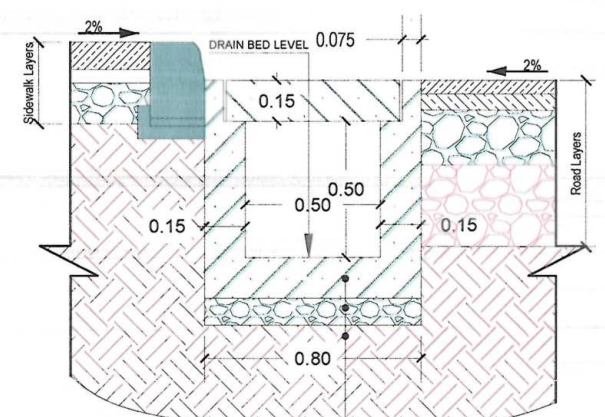
TYPE A SECTION B-B, REINFORCEMENT DETAIL



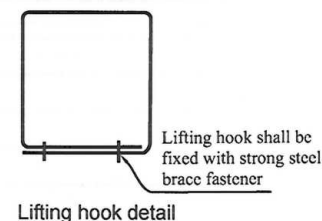
TYPE A SECTION A-A, REINFORCEMENT DETAIL



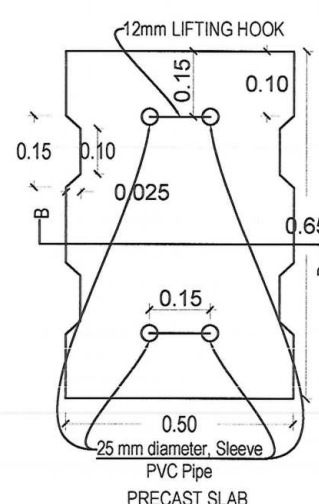
TYPE A SECTION A-A, DIMENSION AND MATERIAL DETAIL



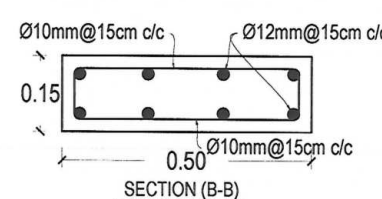
TYPE A SECTION B-B, DIMENSION AND MATERIAL DETAIL



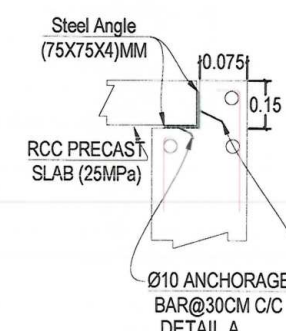
Lifting hook detail



PRECAST SLAB



SECTION (B-B)

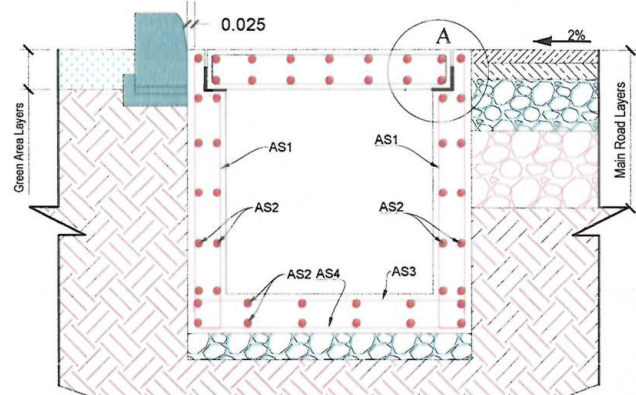
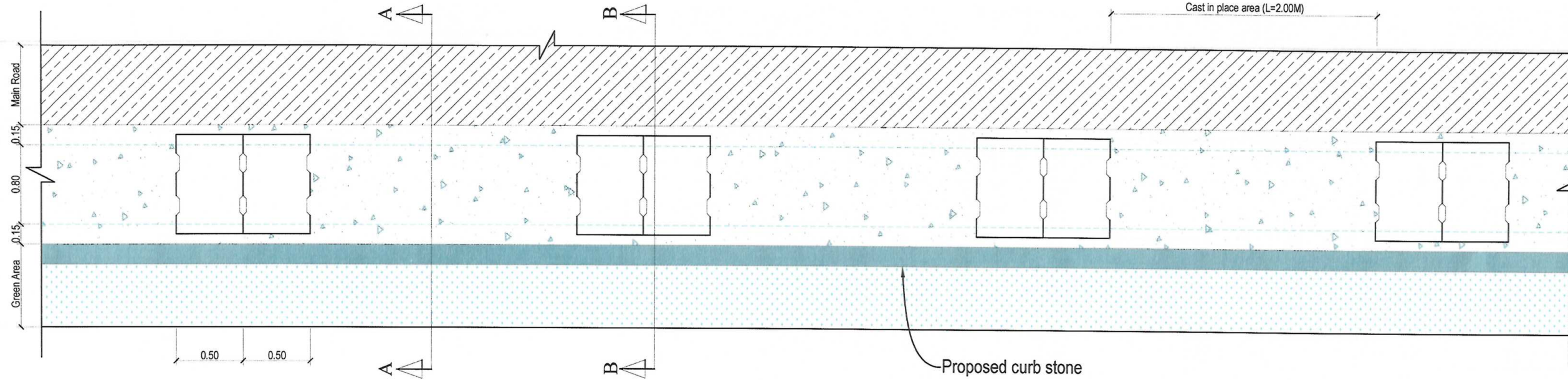


DETAIL A

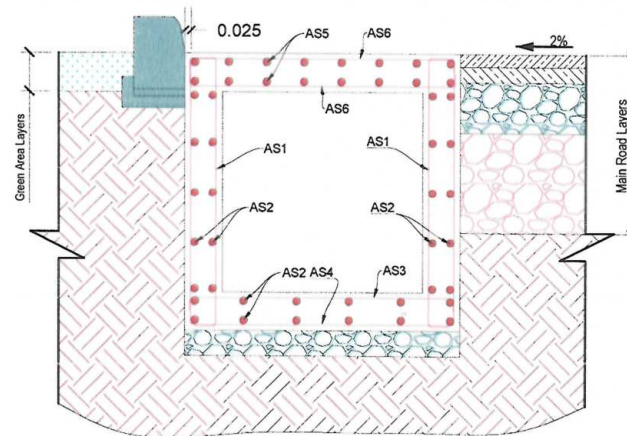
TYPE A SIDE DITCH (0.5X0.50)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	

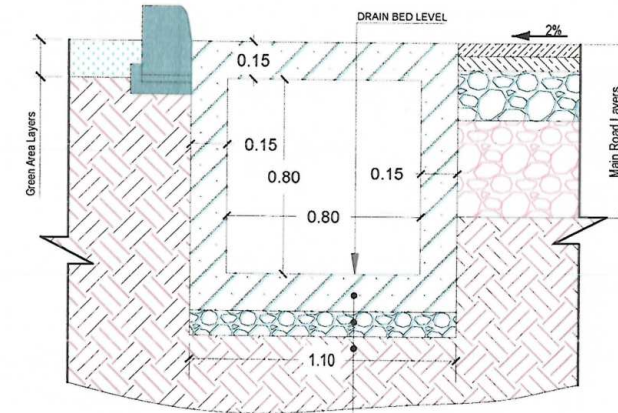
LEFT SIDE DRAIN (STATION 0+000 TO 0+895) TYPE B



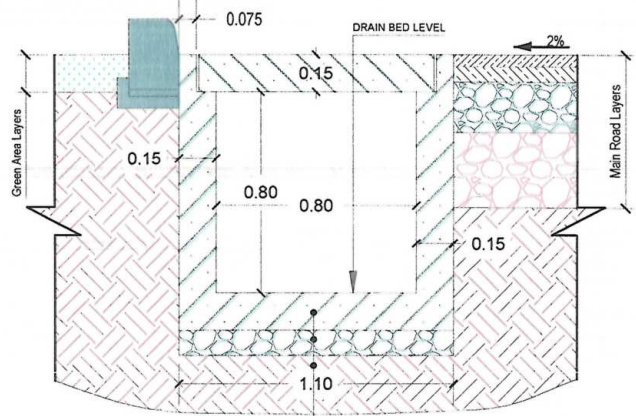
TYPE B SECTION B-B, REINFORCEMENT DETAILS



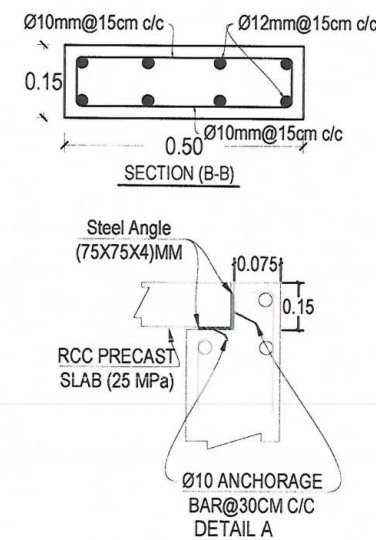
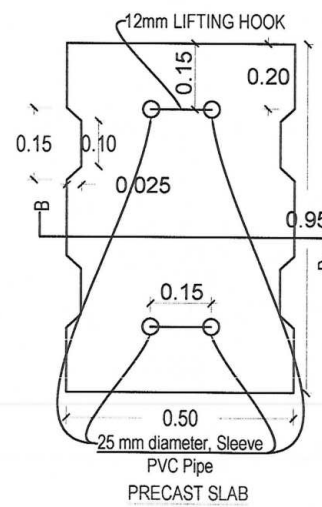
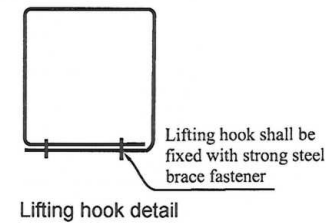
TYPE B SECTION A-A, REINFORCEMENT DETAIL



TYPE B SECTION A-A, DIMENSION AND MATERIAL DETAILS



TYPE B SECTION B-B, DIMENSION AND MATERIAL



TYPE B SIDE DRAIN (0.8X0.80)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	

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

NOTE:
1. An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damped, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-c-Baghal road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
TYPE B LEFT SIDE DRAIN PLAN, SECTIONS&DETAILS

Drawn By: Menhaj Rahman
Designed By: Obaidullah Razaqi
Checked By: Hasibullah Shalizi

Date: 15/09/2024
Scale:

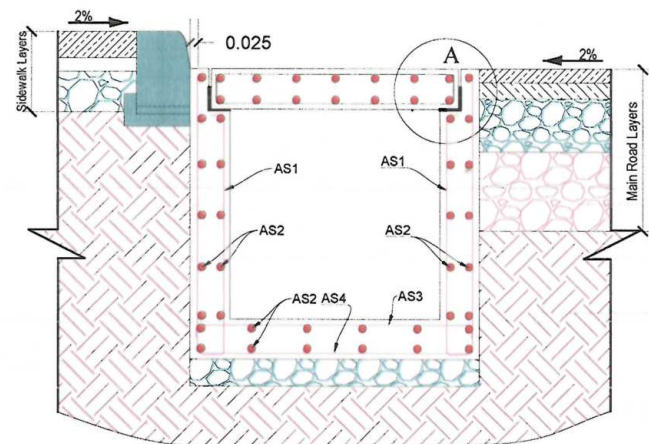
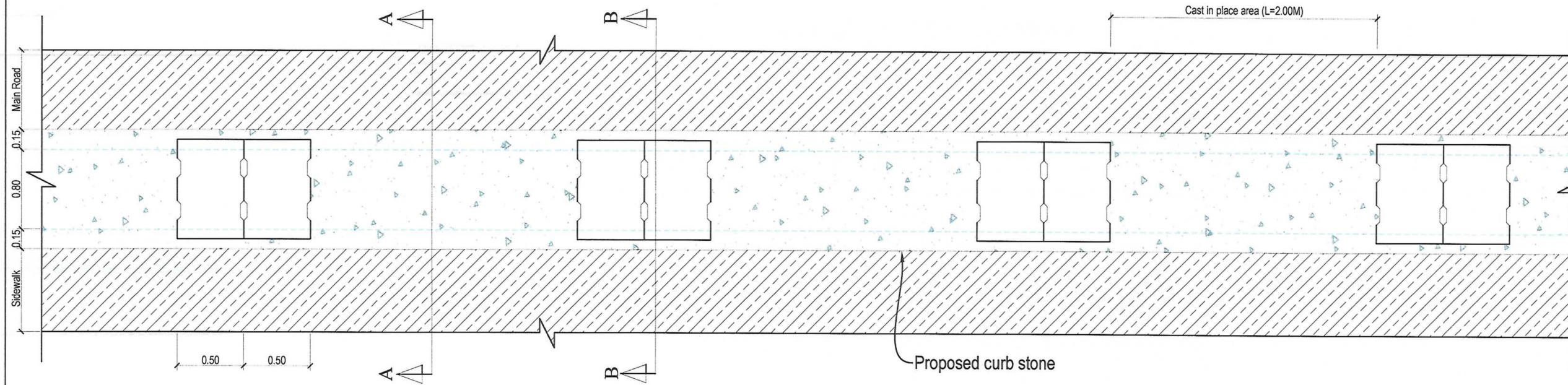
Status: FINAL DESIGN

Project Code

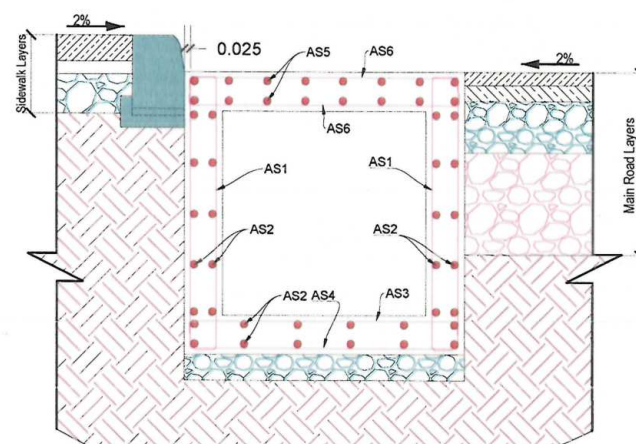
SHEET
SDPSD-04 OF 05

REVISION
00

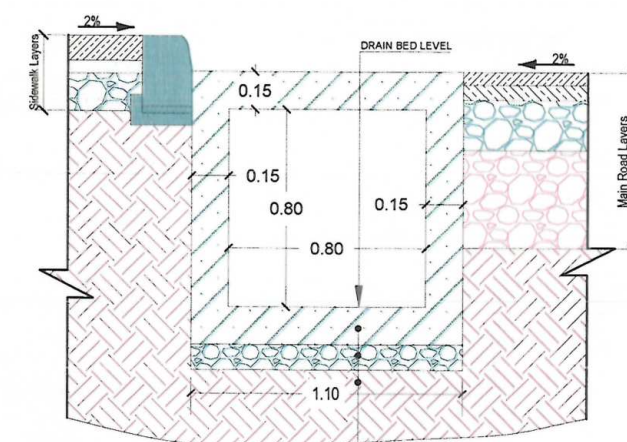
LEFT SIDE DRAIN (STATION 0+895 TO 2+520) TYPE B



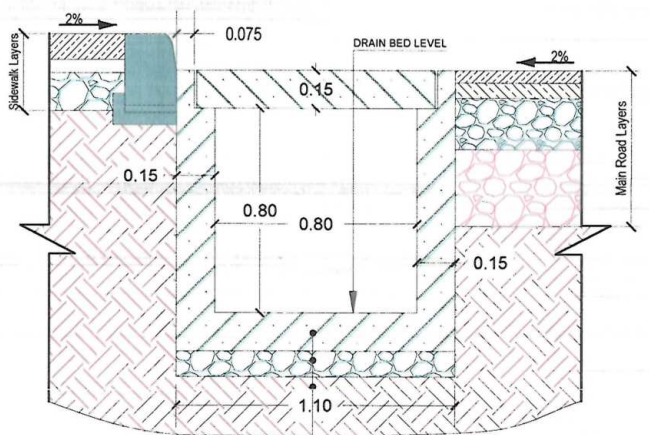
TYPE B SECTION B-B, REINFORCEMENT DETAILS



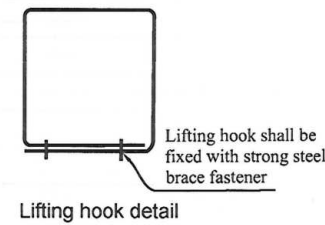
TYPE B SECTION A-A, REINFORCEMENT DETAIL



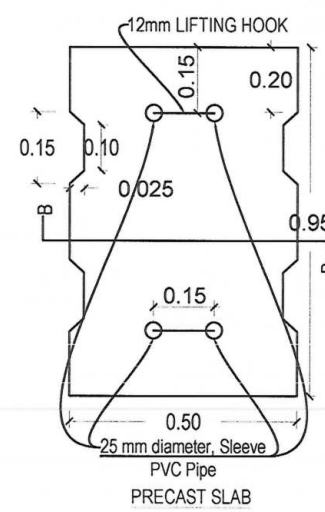
TYPE B SECTION A-A, DIMENSION AND MATERIAL DETAILS



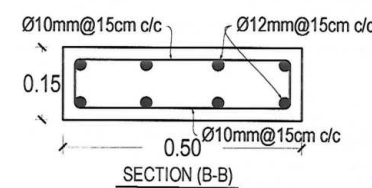
TYPE B SECTION B-B, DIMENSION AND MATERIAL



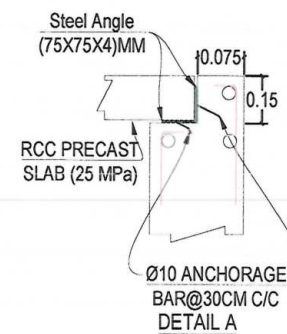
Lifting hook detail



PRECAST SLAB



SECTION (B-B)



DETAIL A

TYPE B SIDE DRAIN (0.8X0.80)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	

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

NOTE:
1. An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damp, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-o-Baghal road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
TYPE B LEFT SIDE DRAIN PLAN, SECTIONS&DETAILS

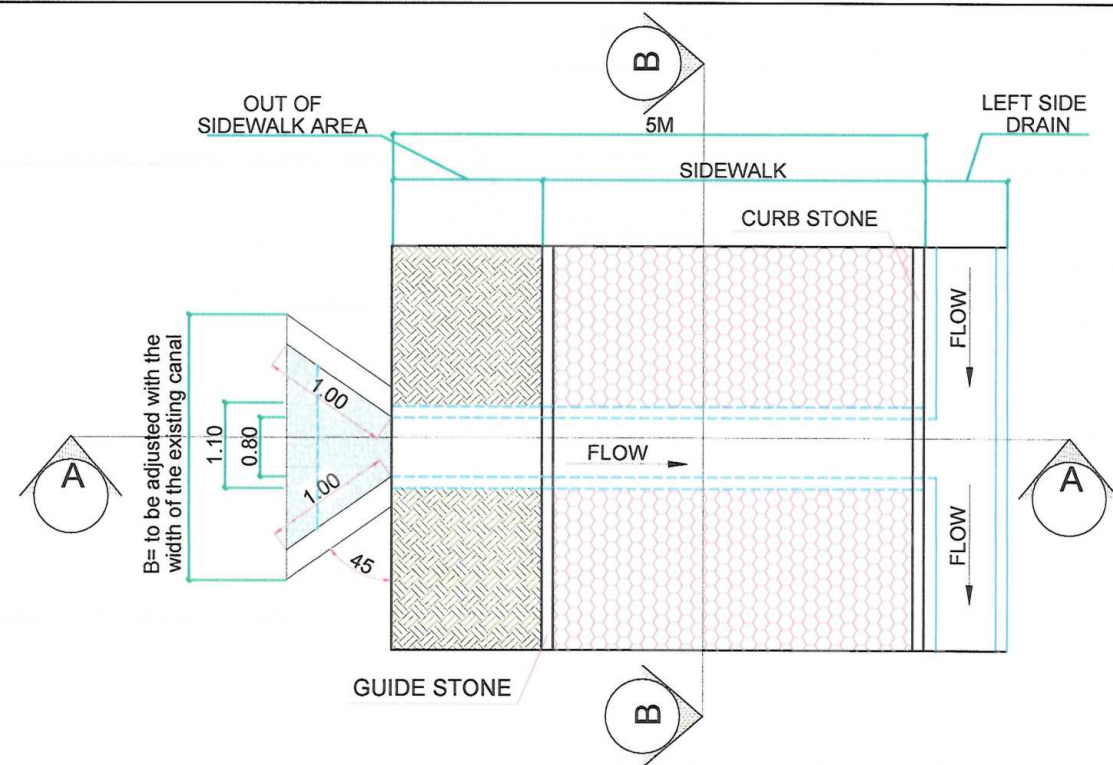
Drawn By: Menhajai Rahman
Designed By: Obaidullah Razaqi
Checked By: Hasibullah Shalizi

Date: 15/09/2024 Scale:

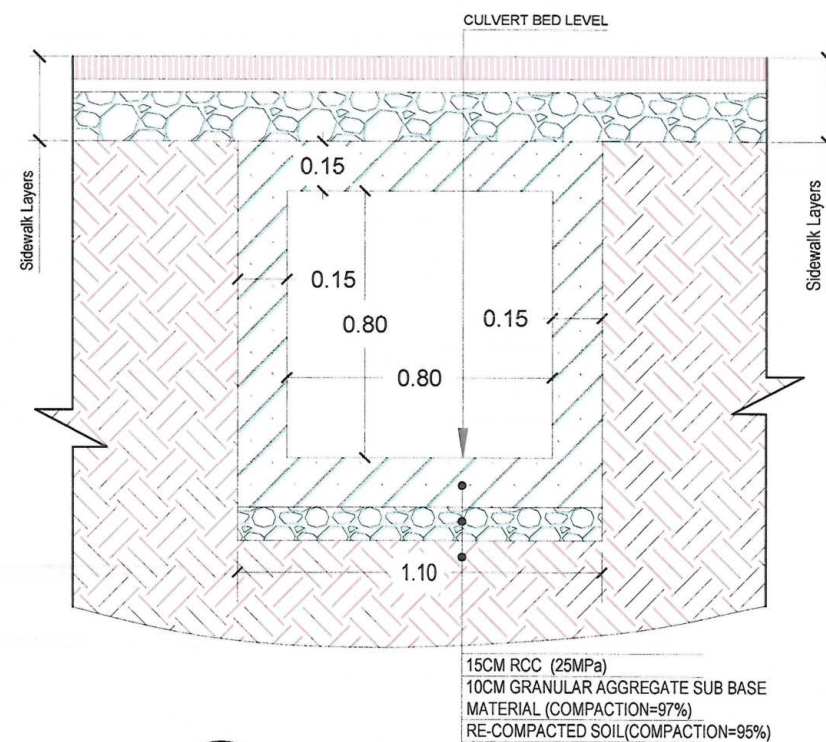
Status: FINAL DESIGN

Project Code:

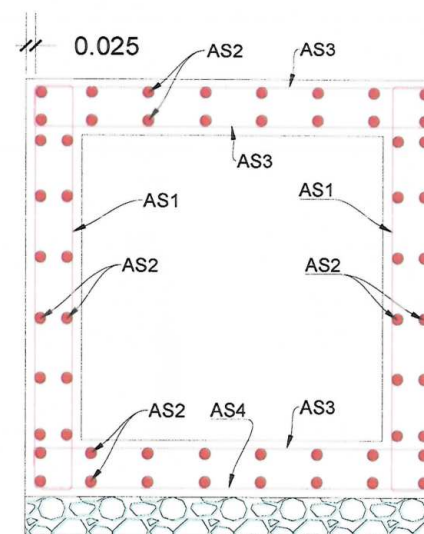
SHEET	REVISION
SDPSID-05 OF 05	00



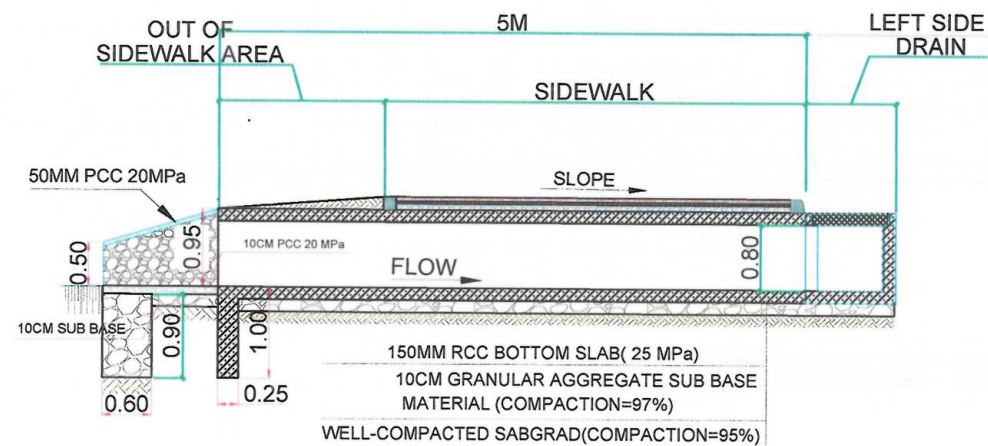
PLAN OF RCC CULVERTS #1,#2 AND #3 STATIONS
(1+420,1+920 AND 2+112)



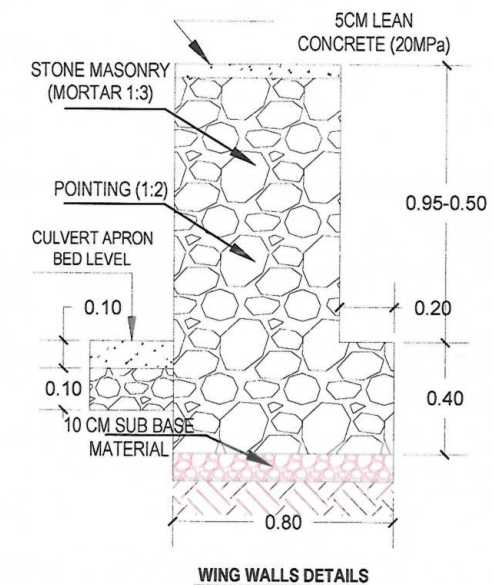
CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



CUL SECTION B-B, REINFORCEMENT DETAIL



SECTION A-A

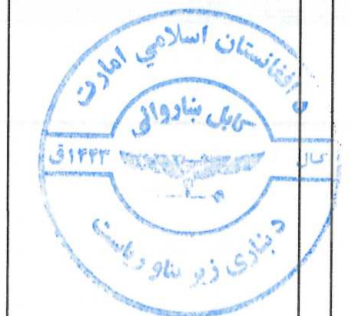


WING WALLS DETAILS

CULVERT (0.8X0.80M) 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:
1. An extra bar shall be provided if the spacing available for reinforcement is more than a times the spacing between bars (where n is an integer).
2. Subgrade should be screened from oversized, damped, and organic materials.



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
Construction of Hazara-e-Bagh road from
315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
CULVERTS #1,#2 AND#3 PLAN,
SECTIONS&DETAILS

Drawn By: Menhajin Rahman
Designed By: Obaidullah Razaqi
Checked By: Hasibullah Shatizi

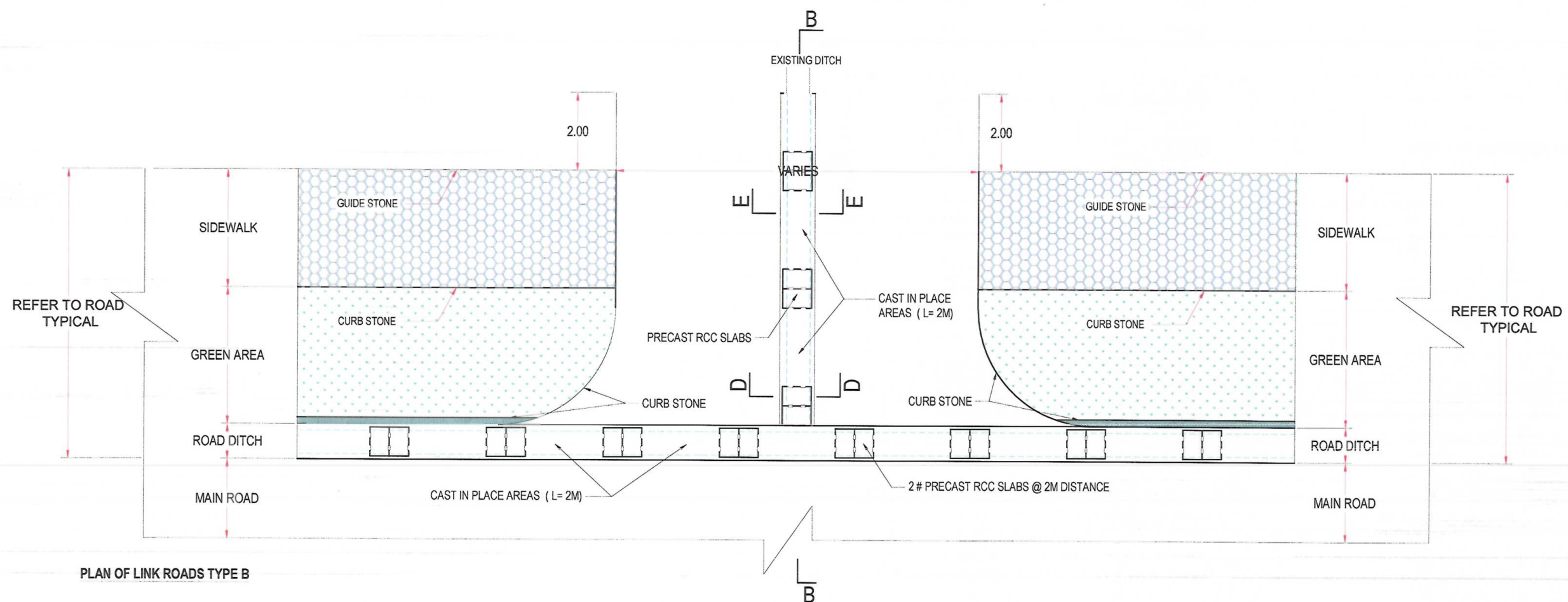
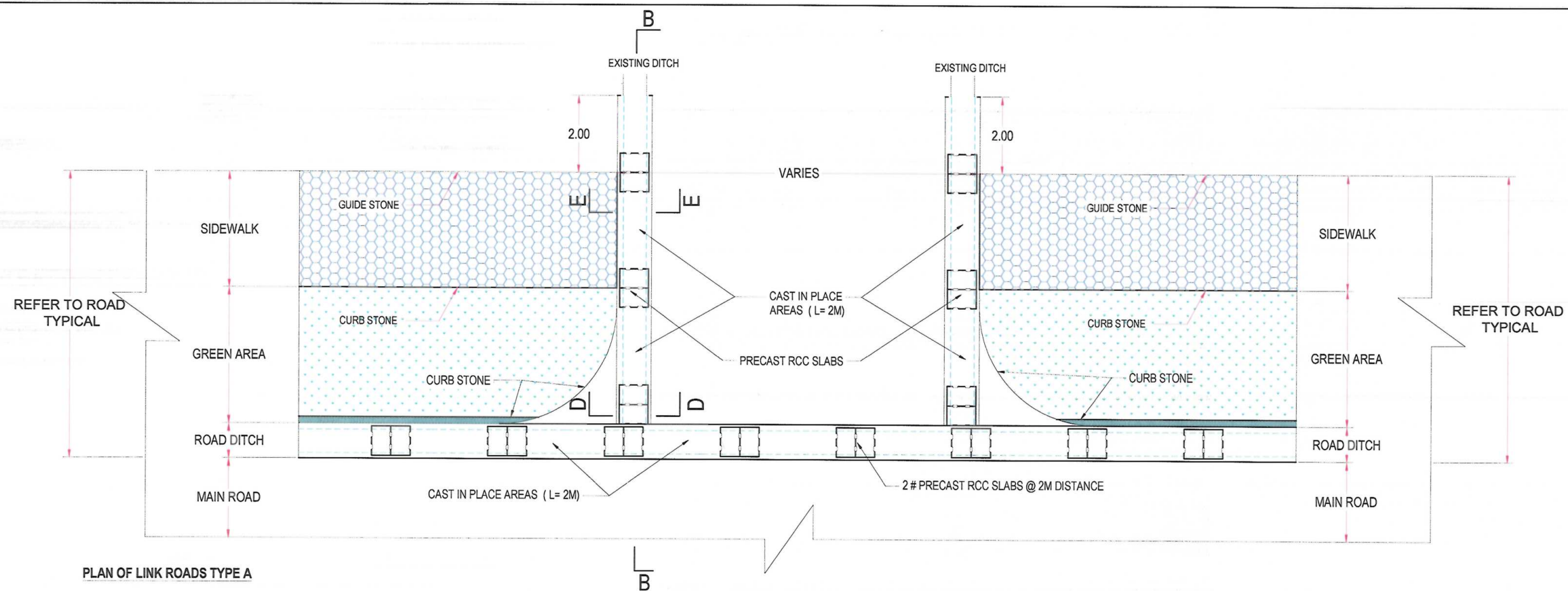
Date: 15/09/2024 Scale:

Status: FINAL DESIGN

Project Code

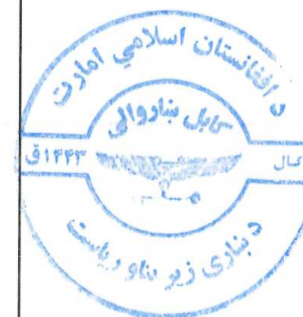
SHEET
CULVERTS-DET
01 OF 01

REVISION
00



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

- NOTES:
1. The link roads that have slope toward the proposed road drains should be connected and adjusted properly to the proposed road drains as per site.
 2. The location of proposed RCC link road drains should be followed the existing link road drains and be adjusted properly as per site.
 3. All those Link Roads with less than 6M in width and have not existing ditch should have one Ditch and adjusted properly to the main drain.
 4. All those Link Roads with 6M and More than 6M width and have not existing ditch. Should have Two Side Ditches and adjusted properly to the main drain.



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Hazara-e-Baghel road from
315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:

Link Road Types

Drawn:

Menhaji Rahman

Signature:

Designed:

Obaidullah Razaqi

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

15/09/2024

Scale:

1:75

Status:

FINAL DESIGN

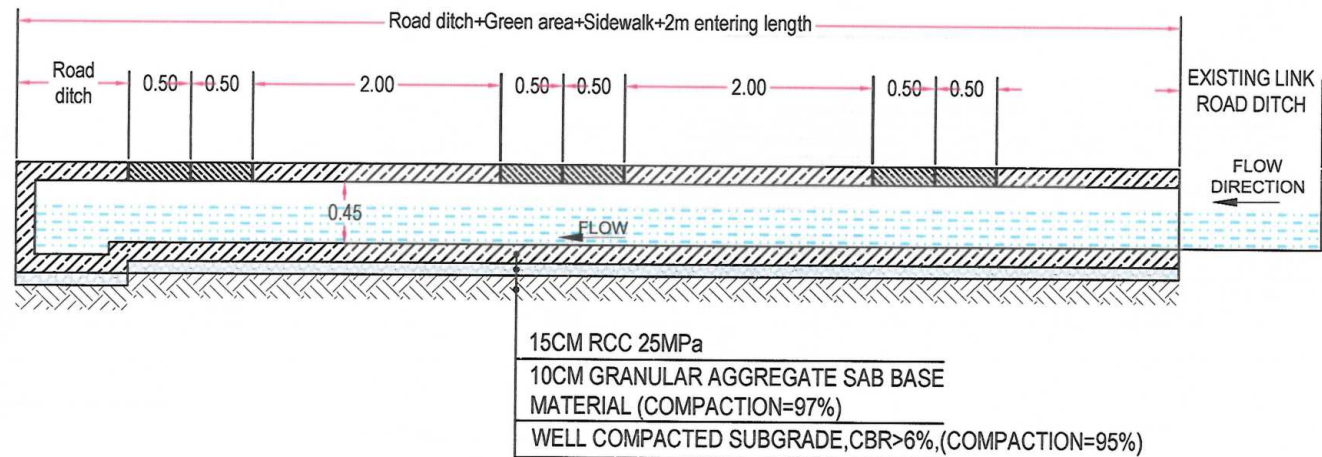
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SHEET

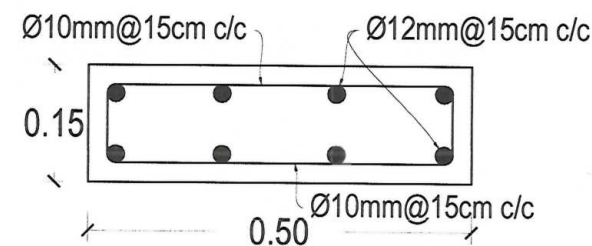
L.RD-01 OF 02

Revision

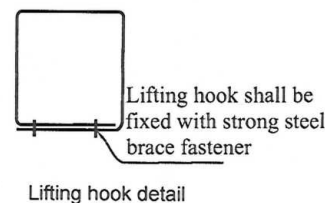
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SECTION B-B FOR LINK ROADS

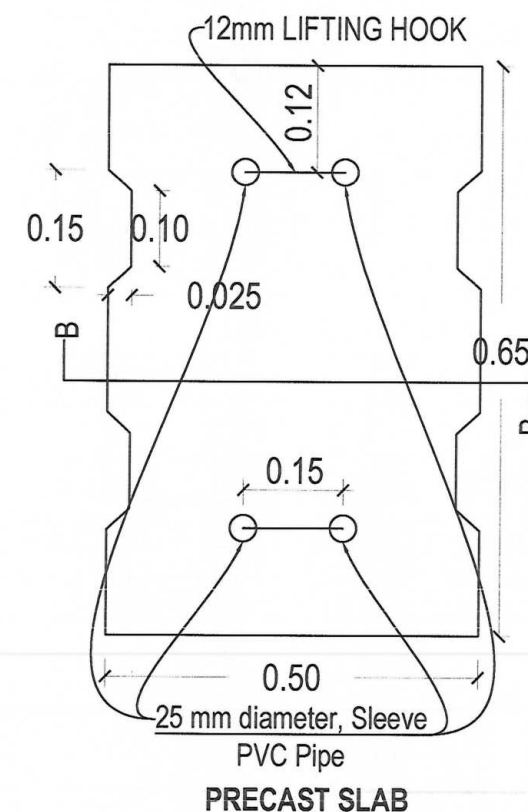
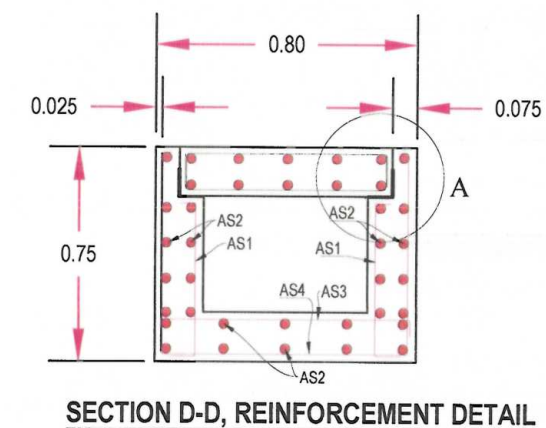
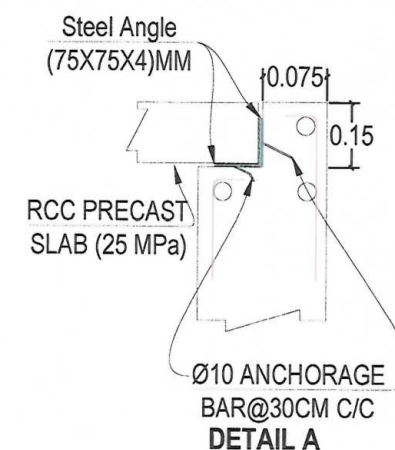
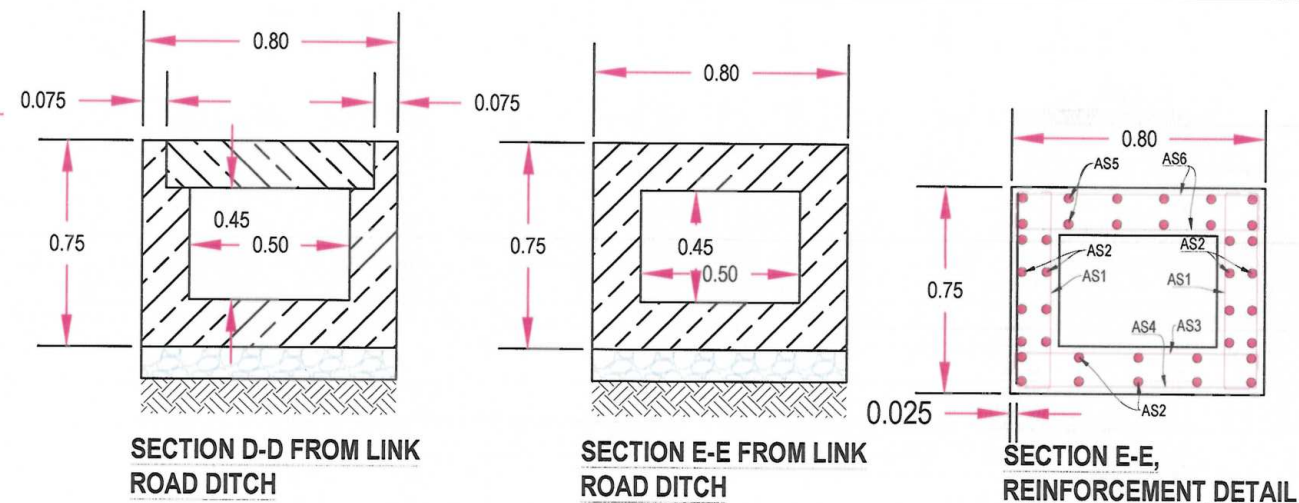


SECTION (B-B)



LINK ROADS DITCH (0.5X0.45)M REINFORCEMENT SCHEDULE

Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		10	150	
As6		12	150	



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

- NOTES:
- The link roads that have slope toward the proposed road drains should be connected and adjusted properly to the proposed road drains as per site.
 - The location of proposed RCC link road drains should be followed the existing link road drains and be adjusted properly as per site.
 - All those Link Roads with less than 6M in width and have not existing ditch should have one Ditch and adjusted properly to the main drain.
 - All those Link Roads with 6M and More than 6M width and have not existing ditch, Should have Two Side Ditches and adjusted properly to the main drain.
 - An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).
 - Subgrade should be screened from oversized, damped, and organic materials.



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of Hazara-e-Bagh road from 315 to Monshi Mir Ghulam town (Lot #1)

Drawing Title:
Link Road Details

Drawn: Menhaju Rahman
Designed: Obaidullah Razaqi
Checked: Hasibullah Shalizi

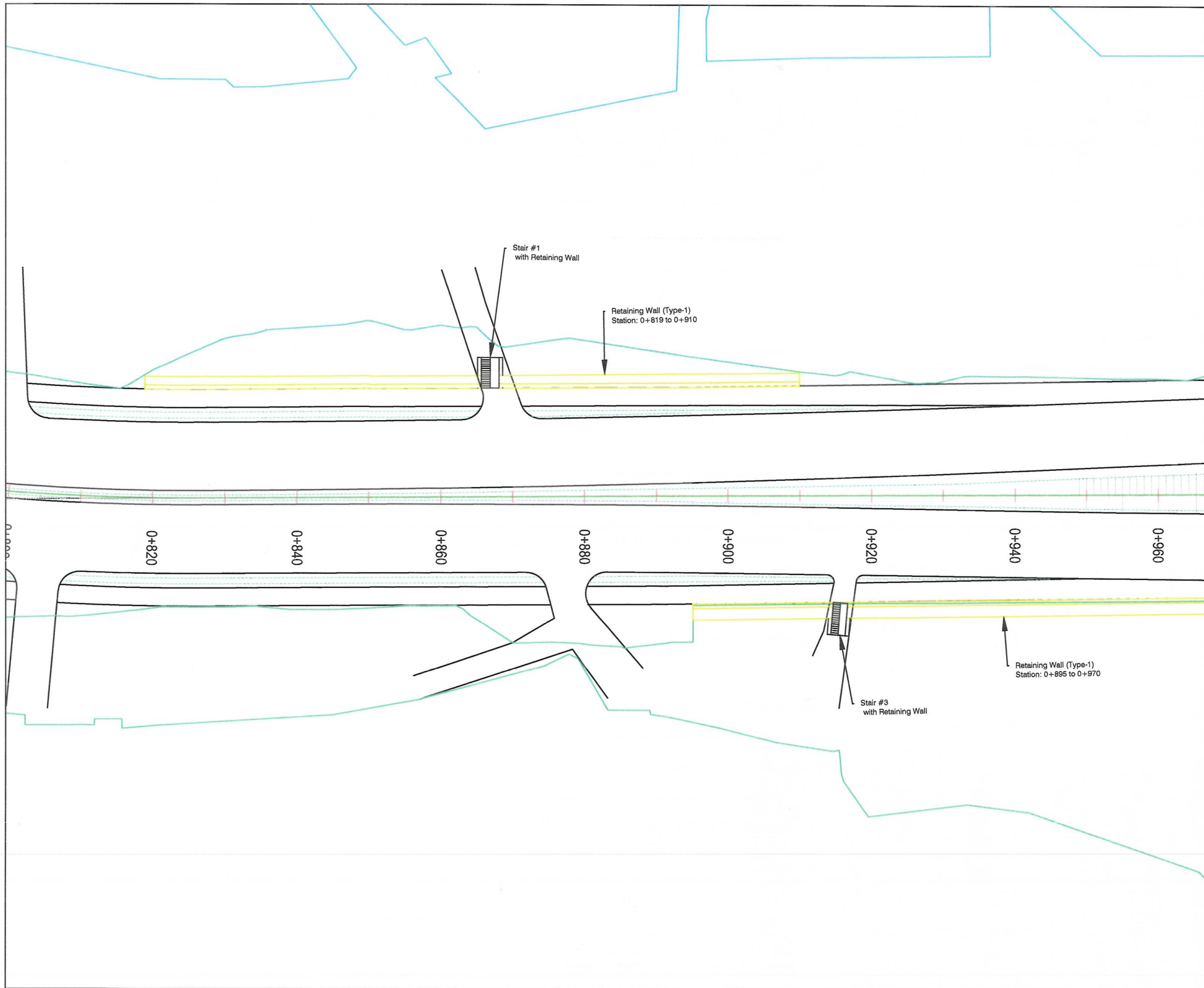
Date: 15/09/2024
Scale: 1:75

Status: FINAL DESIGN

Project Code

SHEET
LRD-02 OF 02

Revision
00



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

NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
HAZARA BAGHAL ROAD

Drawing Title:
RETAINING WALL PLAN

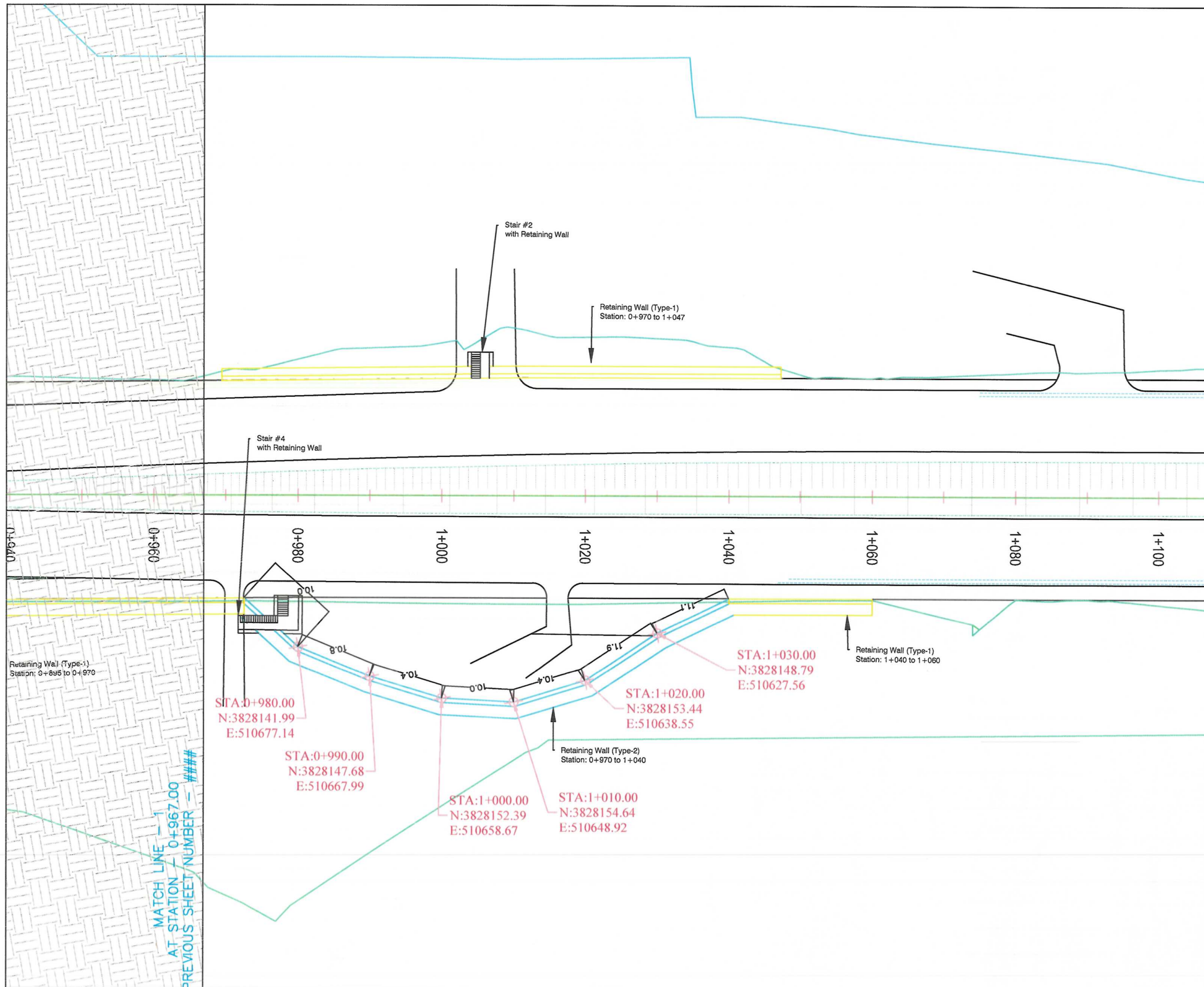
Drawn: Baz Mohammad Raji	Signature:
Designed: Baz Mohammad Raji	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 09/14/2024	Scale:
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Status: FINEL DESIGN

Project Code:

SHEET NO RW-Plan (01 of 10)	Revision 01
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- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

HAZARA BAGHAL ROAD

Drawing Title:

RETAINING WALL PLAN

Drawn:	Signature:
Boz Mohammad Raji	
Designed:	Signature:
Boz Mohammad Raji	
Checked:	Signature:
Hasibullah Shalizi	

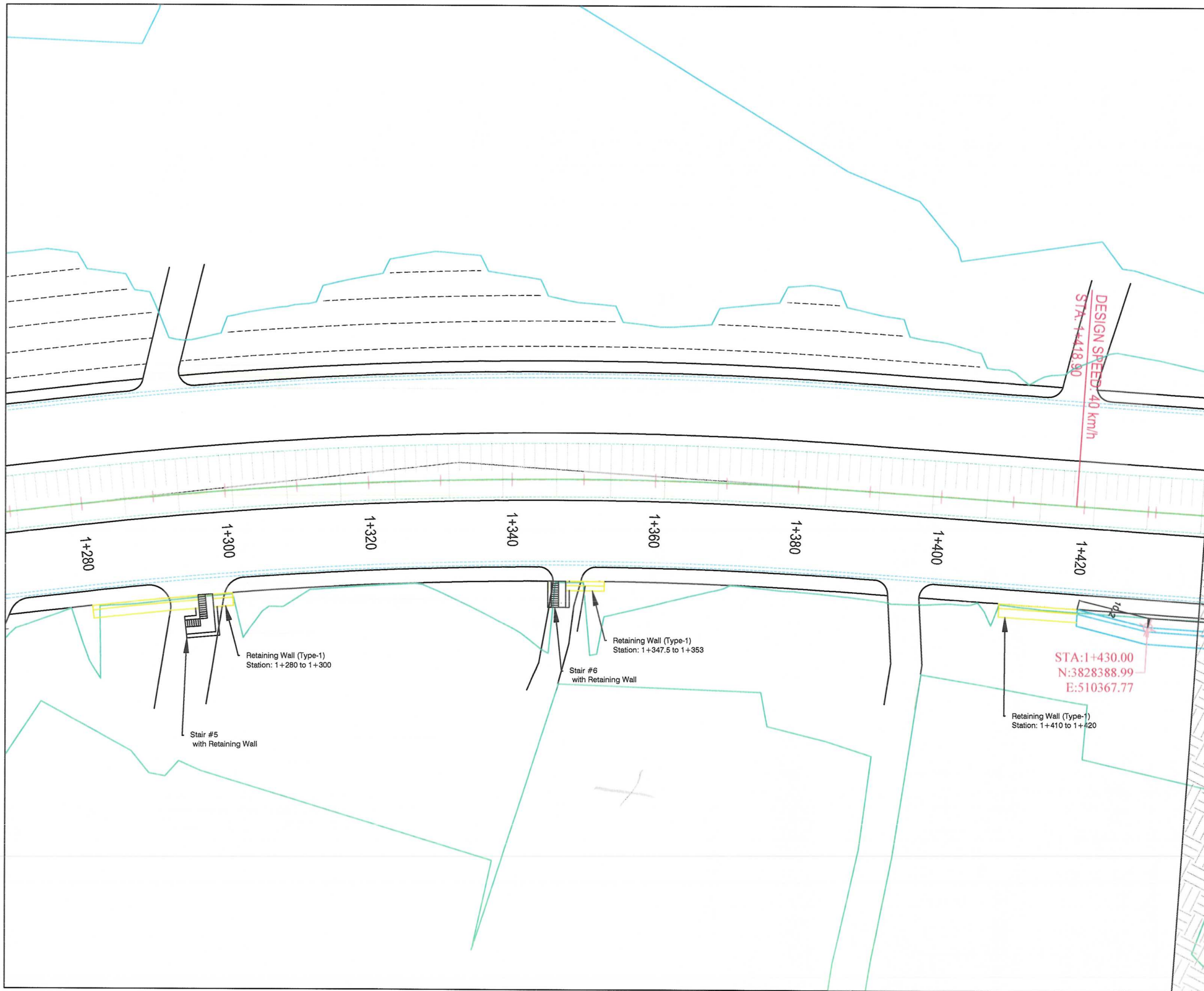
Date: 09/14/2024

Scale:

Status: FINAL DESIGN





Project Code:

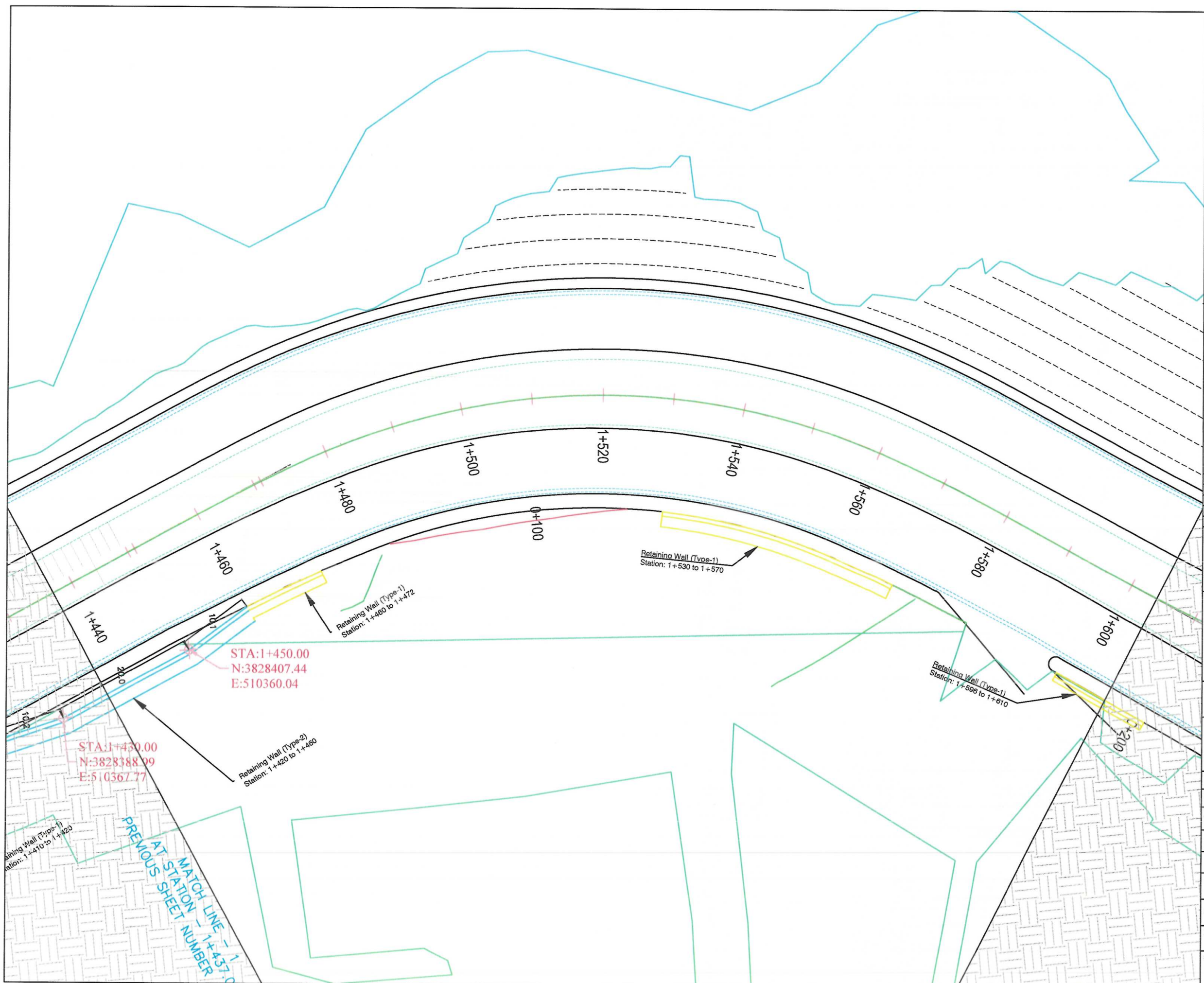
SHEET NO	Revision
RW-Plan (02 of 10)	01



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
 KABL MUNICIPALITY DESIGN TEAM					
Project Name:					
HAZARA BAGHAL ROAD					
Drawing Title:					
RETAINING WALL PLAN					
Drawn:	Baz Mohammad Raji		Signature:		
Designed:	Baz Mohammad Raji		Signature:		
Checked:	Hasibullah Shalizi		Signature:		
Date: 09/14/2024					
Scale:					
Status: FINEL DESIGN					
Project Code					
SHEET NO			Revision		
RW-Plan (03 of 10)			01		

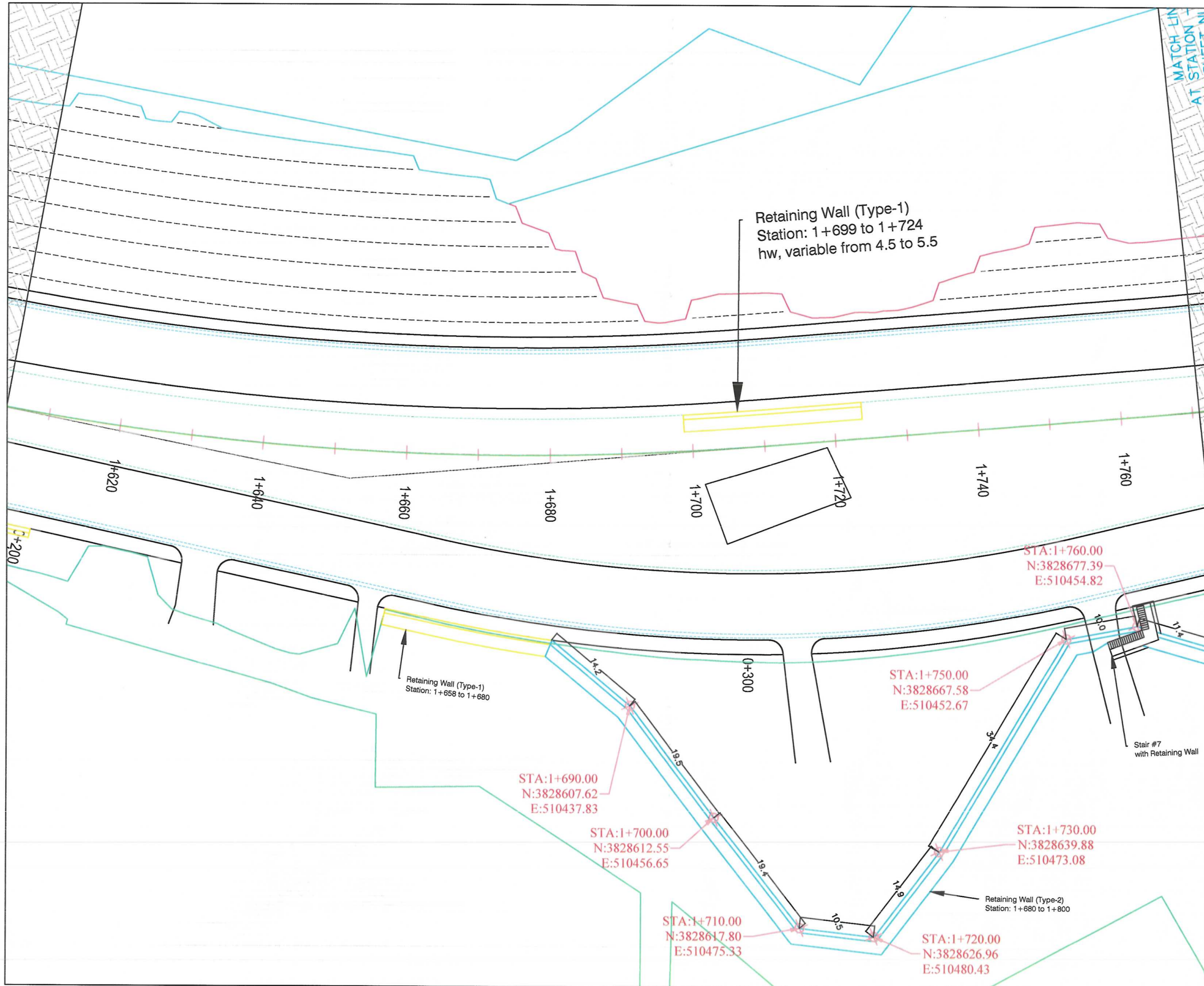


NOTE:
1. All dimensions are in meters unless otherwise indicated.

NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision Details	Drawn	Chkd	Appr	
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
		KABUL MUNICIPALITY DESIGN TEAM			
Project Name:					
HAZARA BAGHAL ROAD					
Drawing Title:					
RETAINING WALL PLAN					
Drawn:	Baz Mohammad Raji		Signature:		
Designed:	Baz Mohammad Raji		Signature:		
Checked:	Hasibullah Shalizi		Signature:		
Date:	09/14/2024		Scale:		
Status:	FINEL DESIGN				
Project Code					
SHEET NO.			Revision		
RW-Plan (04 of 10)			01		



- NOTE:
1. All dimensions are in meters unless otherwise indicated
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

HAZARA BAGHAL ROAD

Drawing Title:

RETAINING WALL
PLAN

Drawn:

Baz Mohammad Raji

Designed:

Baz Mohammad Raji

Checked:

Hasibullah Shalizi

Date:
09/14/2024

Scale:

Status:

FINEL DESIGN

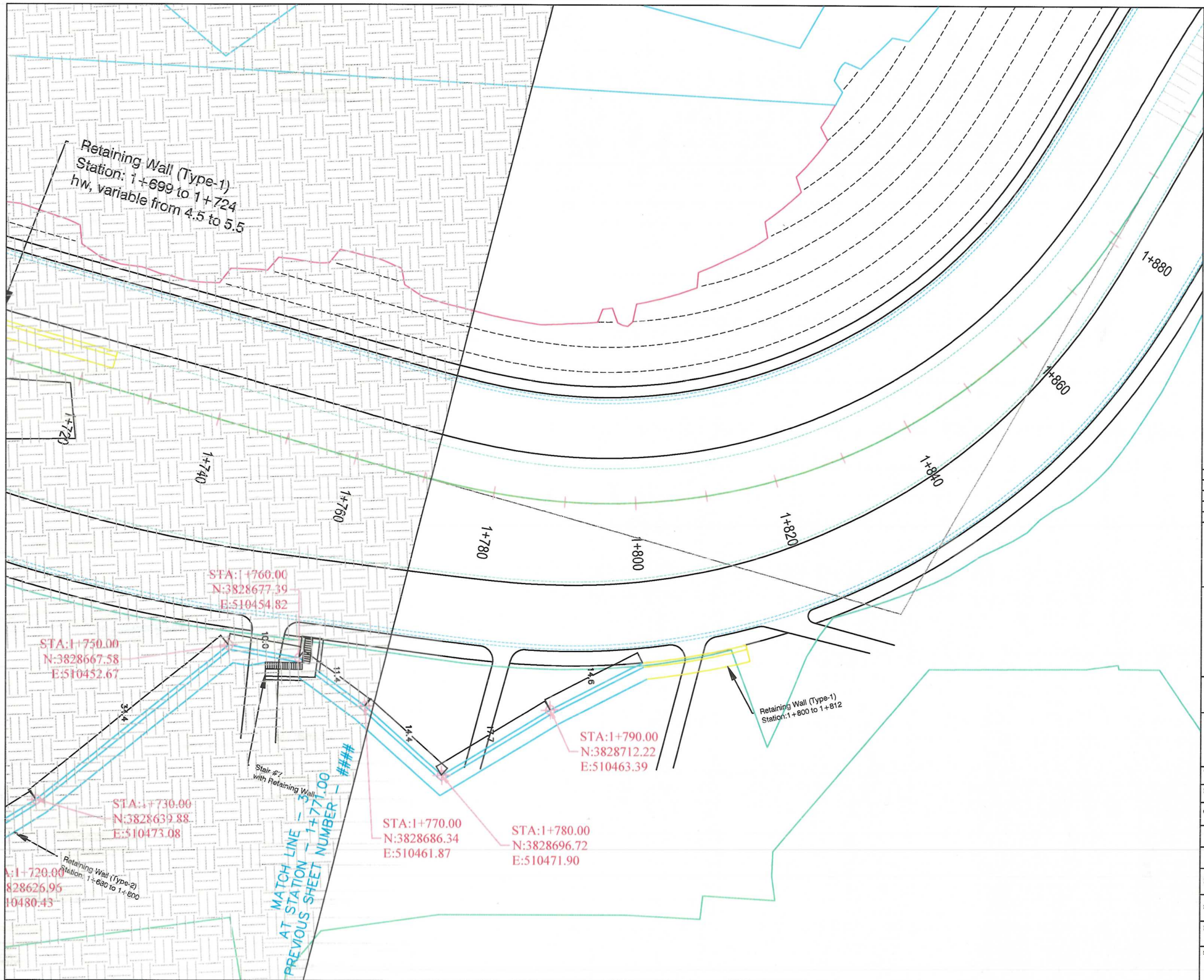
Project Code

SHEET NO.

RW-Plan (05 of 10)

Revision

01



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd
				Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

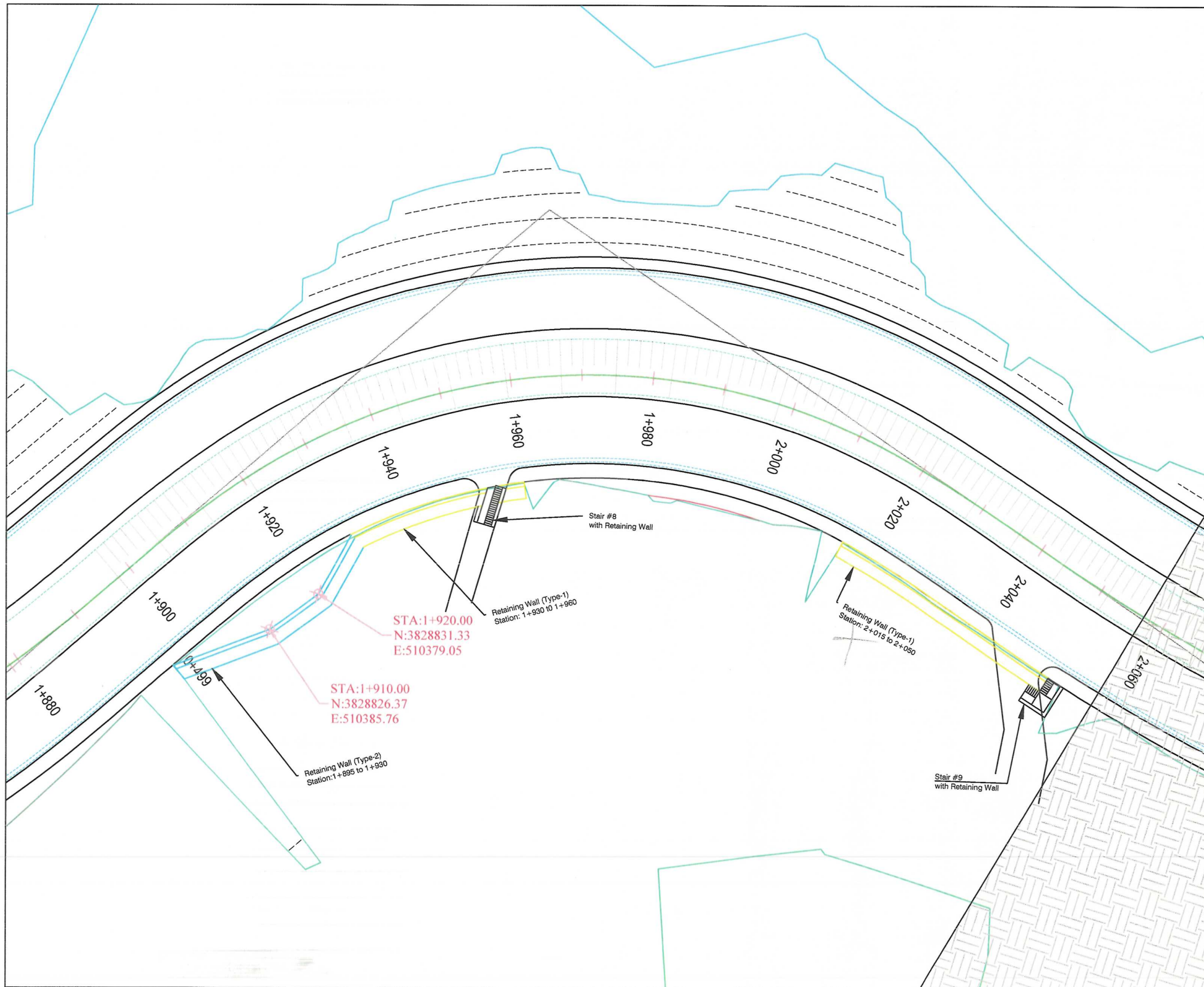
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
HAZARA BAGHAL ROAD

Drawing Title:
RETAINING WALL
PLAN





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

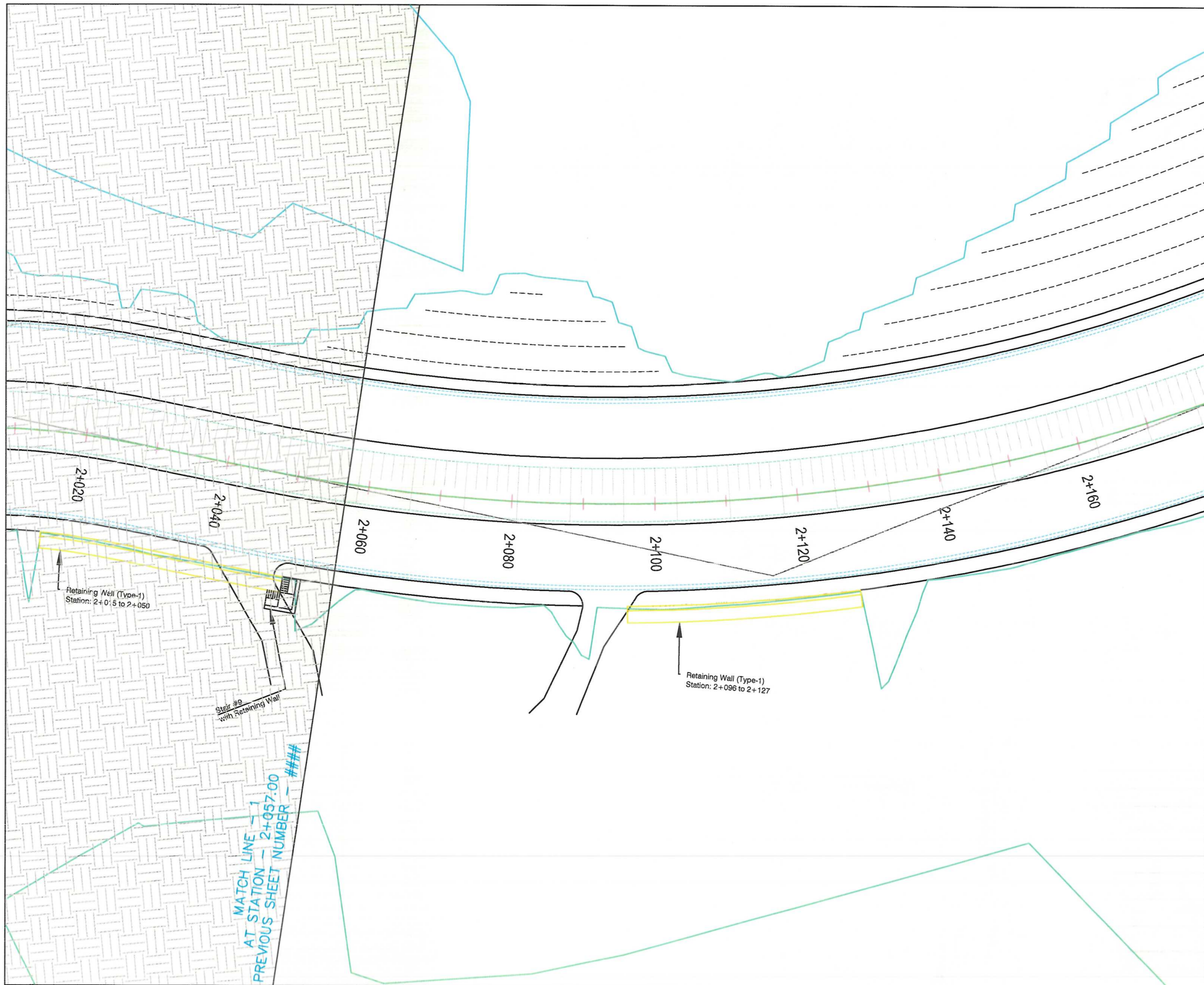
Date: 09/14/2024	Scale:
Status: FINEL DESIGN	
Project Code:	
SHEET NO RW-Plan (06 of 10)	Revision 01



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN				
Designed By:				
		KABUL MUNICIPALITY DESIGN TEAM		
Project Name: HAZARA BAGHAL ROAD				
Drawing Title: RETAINING WALL PLAN				
Drawn: Boz Mohammad Raji		Signature: 		
Designed: Boz Mohammad Raji		Signature: 		
Checked: Hasbullah Shaluzi		Signature: 		
Date: 09/14/2024 Scale:				
Status: FINEL DESIGN				
Project Code				
SHEET NO RW-Plan (07 of 10)			Revision 01	



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

 KABL MUNICIPALITY DESIGN TEAM

Project Name:

HAZARA BAGHAL ROAD

Drawing Title:

RETAINING WALL PLAN

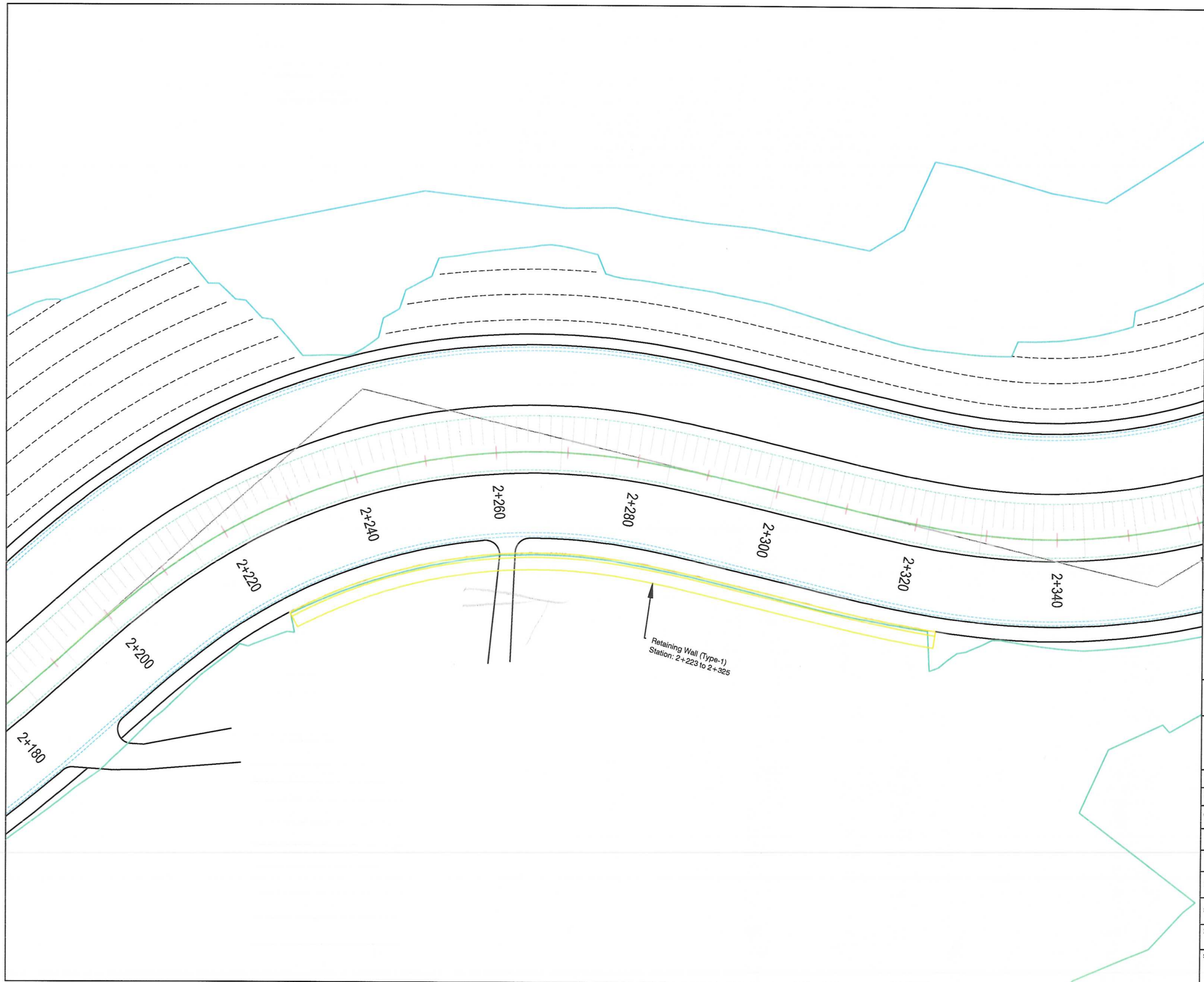
Drawn:	Signature:
Baz Mohammad Raji	
Designed:	Signature:
Baz Mohammad Raji	
Checked:	Signature:
Habibullah Shatizy	

Date: 09/14/2024 Scale:

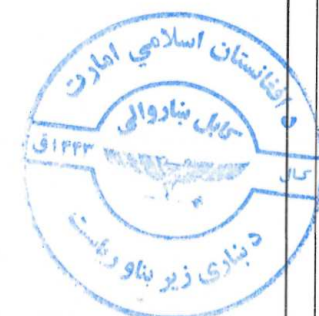
Status: FINEL DESIGN

Project Code:

SHEET NO.	Revision
RW-Plan (08 of 10)	01



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
 2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

 KABUL MUNICIPALITY DESIGN TEAM

Project Name:

HAZARA BAGHAL ROAD

Drawing Title:

RETAINING WALL PLAN

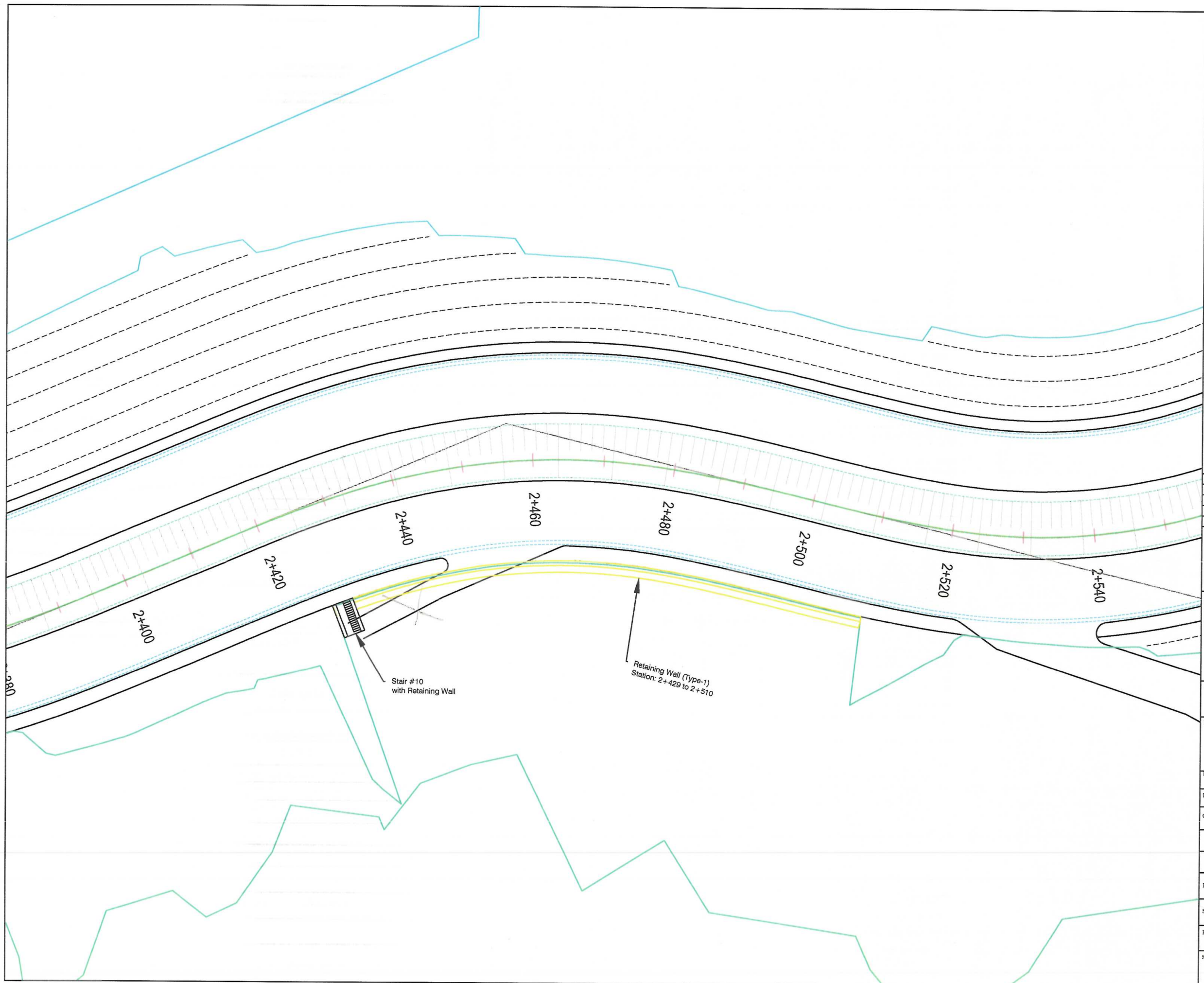
Drawn:	Signature:
Baz Mohammad Raji	
Designed:	Signature:
Baz Mohammad Raji	
Checked:	Signature:
Hasibullah Shalizi	

Date: 09/14/2024 Scale:

Status: FINEL DESIGN

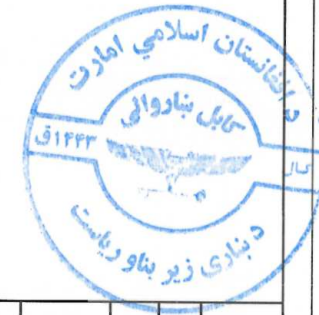
Project Code:

SHEET NO	Revision
RW-Plan (09 of 10)	01



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

NOTE 2:
1. The Type-1 of Retaining wall have Considered in Road sides
2. The Type-2 of Retaining wall have considered with distance from center of Road



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

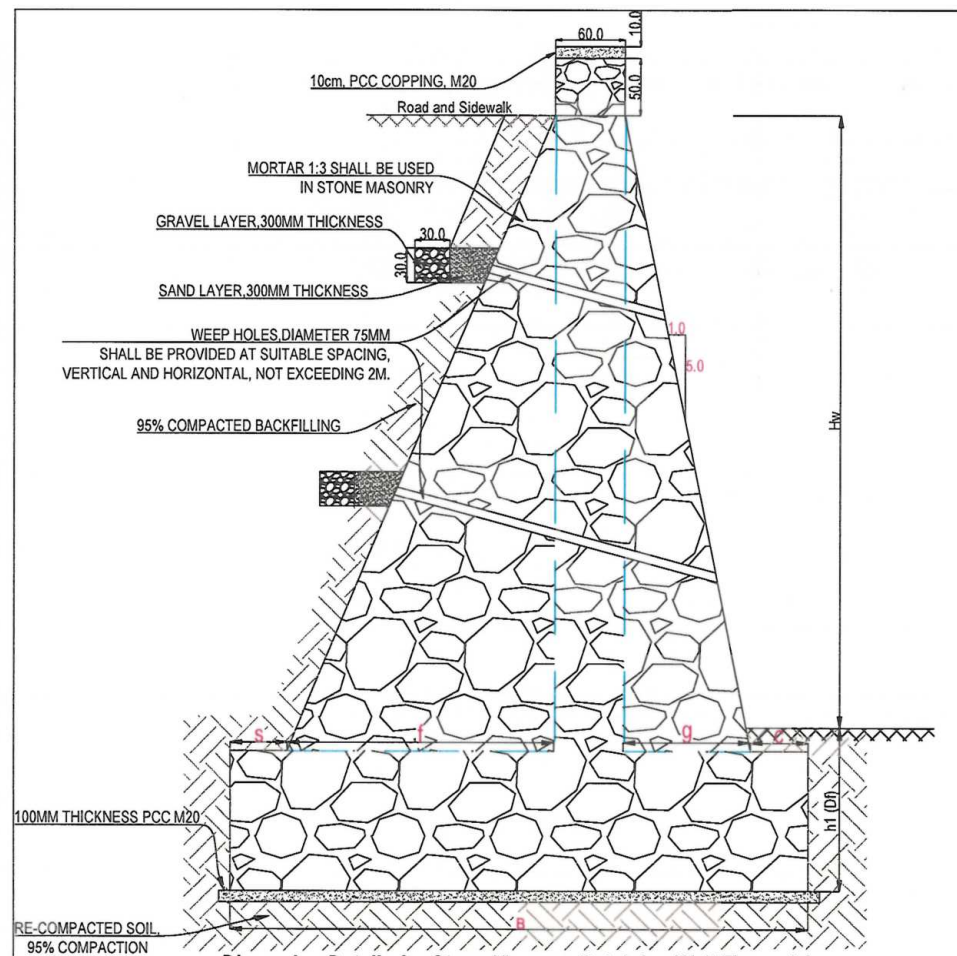
Designed By:
 KABL MUNICIPALITY DESIGN TEAM

Project Name:
HAZARA BAGHAL ROAD

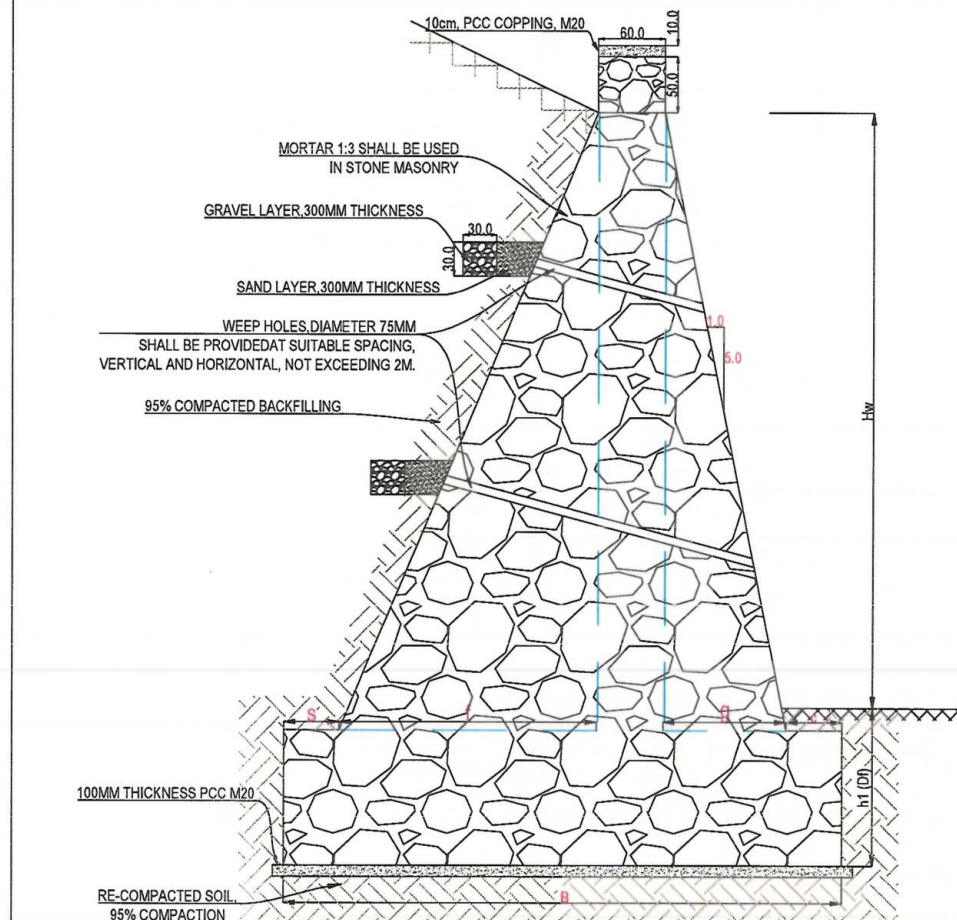
Drawing Title:
RETAINING WALL PLAN

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

Date: 09/14/2024	Scale:
Status: FINEL DESIGN	
Project Code	
SHEET NO RW-Plan (10 of 10)	Revision 01



Dimension Details for Stone Masonry Retaining Wall Type-01



Dimension Details for Stone Masonry Retaining Wall Type-02

hw of Retaining wall in each Station		
Right side Station of Retaining wall	hw, in M	Distance From Center of Road in M
0+819	1.0	Road Side
0+830	2.5	
0+840-0+860	3.5	
0+870-0+880	2.5	
0+890	2.0	
0+900	1.5	
0+910	1.0	
0+970-0.980	1.0	
0+990	2.0	
1+000	2.5	
1+010-1+030	3.0	
1+040	2.5	Road Side
1+047	1.0	
Left side Station of Retaining wall	hw, in M	Distance From Center of Road in M
0+895-0+900	2.0	Road Side
0+910-0+920	2.5	
0+930	3.5	
0+940	4.0	
0+950	4.5	
0+960-0+970	5.0	
0+980	5.5	
0+990	5.5	
1+000	5.5	
1+010	5.5	
1+020	5.5	Road Side
1+030	5.5	
1+040	5.0	
1+050	3.0	
1+060	2.0	
1+280	1.5	
1+290	4.0	
1+300	2.0	
1+347.5	2.0	
1+350	2.0	Road Side
1+353	1.5	
1+409	2.0	
1+420	5.5	
1+430	5.5	
1+440	5.5	
1+450	5.5	
1+460	4.0	
1+472	1.5	
1+530	1.5	Road Side
1+540	5.0	
1+550	4.0	
1+560	2.5	
1+570	1.5	
1+586	2.0	
1+610	1.5	
1+658	2.0	
1+670	4.5	
1+680	5.5	Road Side
1+690	5.5	
1+700	5.5	
1+710	5.5	
1+720	5.5	
1+730	5.5	
1+740	5.5	
1+750	5.5	
1+760	5.5	
1+770	5.5	Road Side
1+780	5.5	
1+790	5.5	
1+800	5.0	
1+812	2.0	
1+895	2.0	
1+910	5.5	
1+920	5.5	
1+930	5.5	Road Side
1+940	3.0	
1+950	2.5	
1+960	1.5	
2+015	2.0	
2+020	3.5	
2+030	5.5	
2+040	4.0	
2+050	2.5	
2+096	4.0	
2+100	5.5	Road Side
2+110	4.0	
2+120	3.0	
2+127	2.0	
2+223	1.5	
2+230	4.0	
2+240	5.5	
2+250	4.5	
2+260	2.5	
2+270	3.5	
2+280-2+290	4.0	In inside of Road
2+300	4.5	
2+310	5.5	
2+320	3.5	
2+325	2.0	
2+429	2.5	
2+430	2.5	
2+440-1+500	3.5	
2+510	2.0	
1+699-1+724	4.5-5.5	

Note: The Type-1 of Retaining wall have Considered in Road sides and the Type-2 of Retaining wall have considered with distance from center of Road.

hw of Retaining wall in each Station		
Right side Station of Retaining wall	hw, in M	Distance From Center of Road in M
0+819	1.0	Road Side
0+830	2.5	
0+840-0+860	3.5	
0+870-0+880	2.5	
0+890	2.0	
0+900	1.5	
0+910	1.0	
0+970-0.980	1.0	
0+990	2.0	
1+000	2.5	
1+010-1+030	3.0	
1+040	2.5	Road Side
1+047	1.0	

Dimensions of Stone Masonry Retaining Wall Hazar-e-Baghal (Type-1)									
No	hw	h1(Df)	d	B	a	c	g	f	s
1	5.50	1.40	1.20	5.00	0.60	0.50	1.15	2.25	0.50
2	5.00	1.40	1.20	4.50	0.60	0.50	1.05	1.85	0.50
3	4.50	1.20	1.00	4.00	0.60	0.50	0.95	1.45	0.50
4	4.00	1.20	1.00	3.50	0.60	0.30	0.85	1.45	0.30
5	3.50	1.20	1.00	3.00	0.60	0.30	0.75	1.05	0.30
6	3.00	1.00	0.80	2.50	0.60	0.30	0.65	0.65	0.30
7	2.50	1.00	0.80	2.00	0.60	0.20	0.55	0.45	0.20
8	2.00	1.00	0.80	1.60	0.60	0.20	0.45	0.15	0.20
9	1.50	0.80	0.70	1.20	0.60	0.20	0.30	0.00	0.10
10	1.00	0.70	0.60	0.90	0.60	0.00	0.20	0.00	0.10


Dimensions of Stone Masonry Retaining Wall Hazar-e-Baghal (Type-2)									
No	hw	h1(Df)	d	B	a	c	g	f	s
1	5.50	1.40	1.20	5.00	0.60	0.50	1.15	2.25	0.50
2	5.00	1.40	1.20	4.50	0.60	0.50	1.05	1.85	0.50

NOTE:
1. All dimensions are in Centimeter unless otherwise indicated.
NOTE:
1. In the construction of Retaining Walls Construction joints shall be provided at 20M spacings.



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABL MUNICIPALITY DESIGN TEAM

Project Name:
HAZAR-E-BGHAL

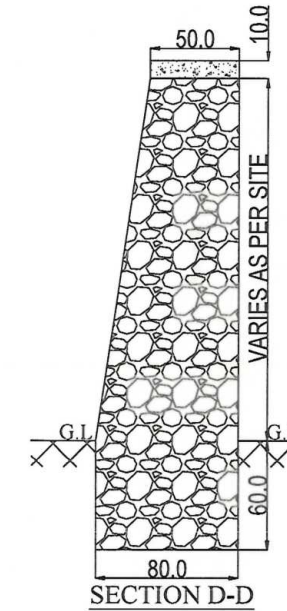
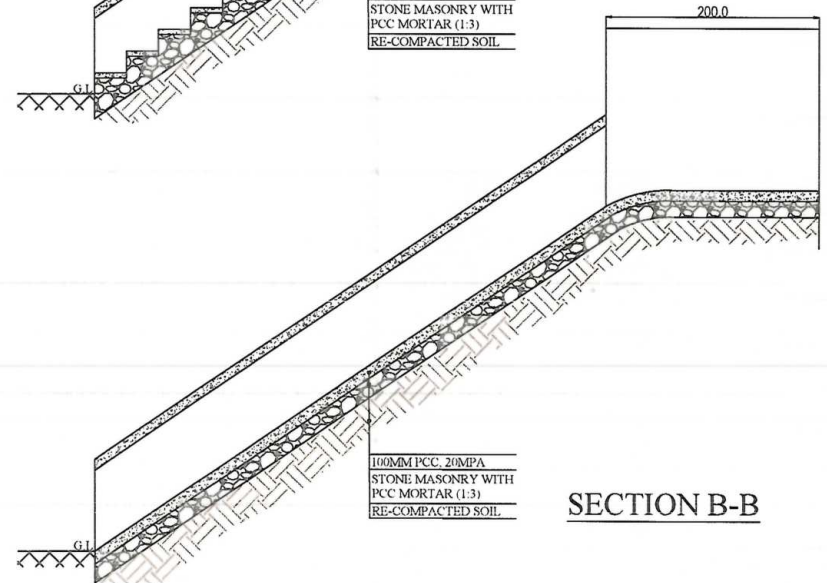
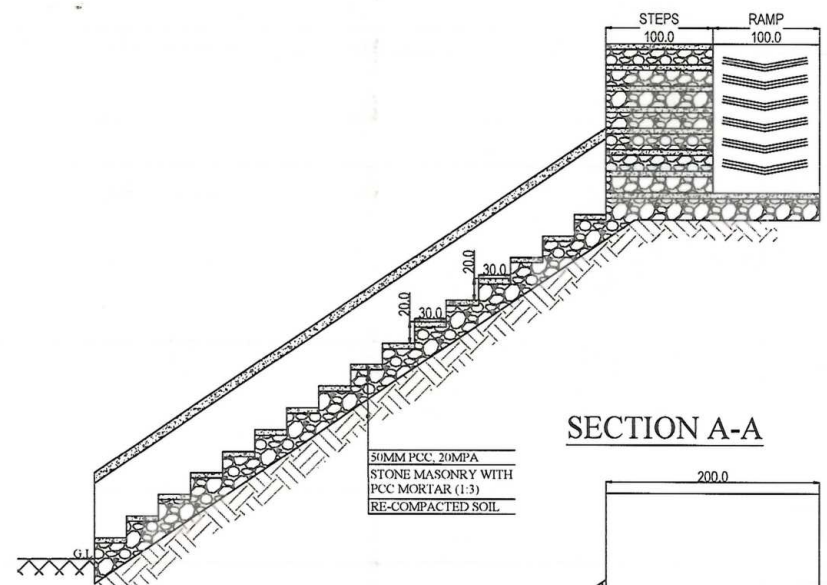
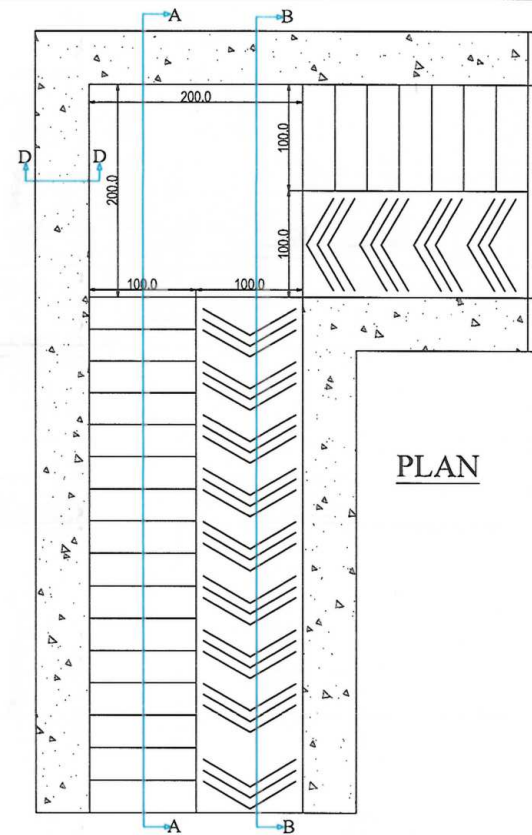
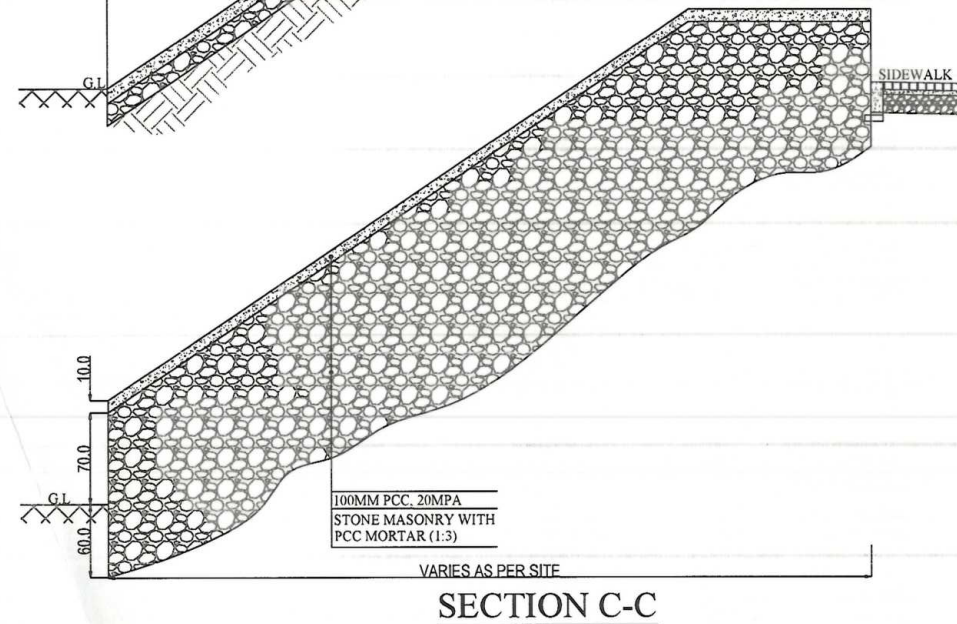
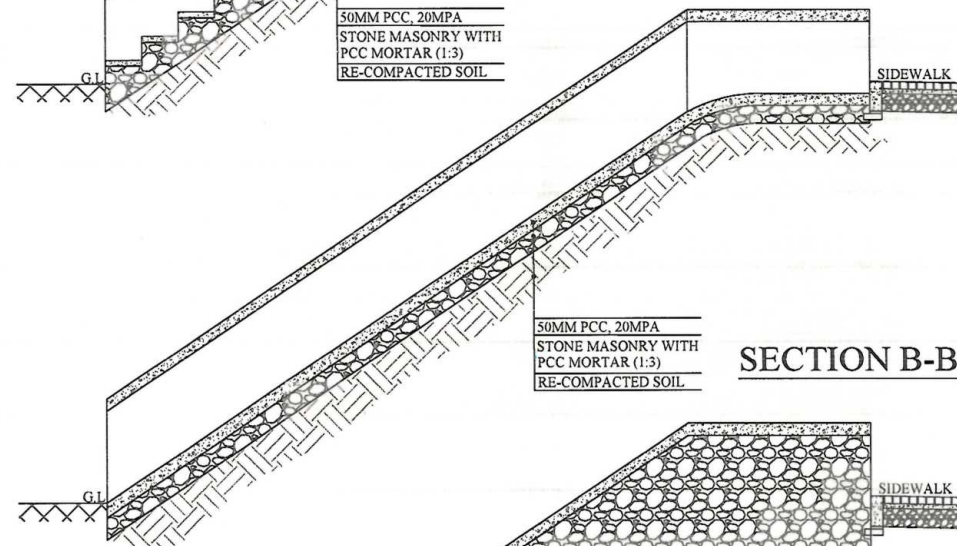
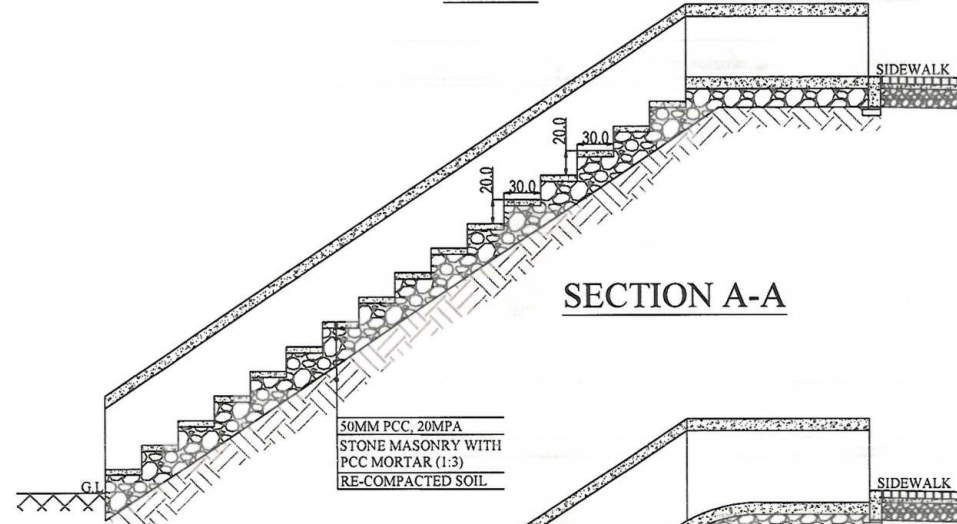
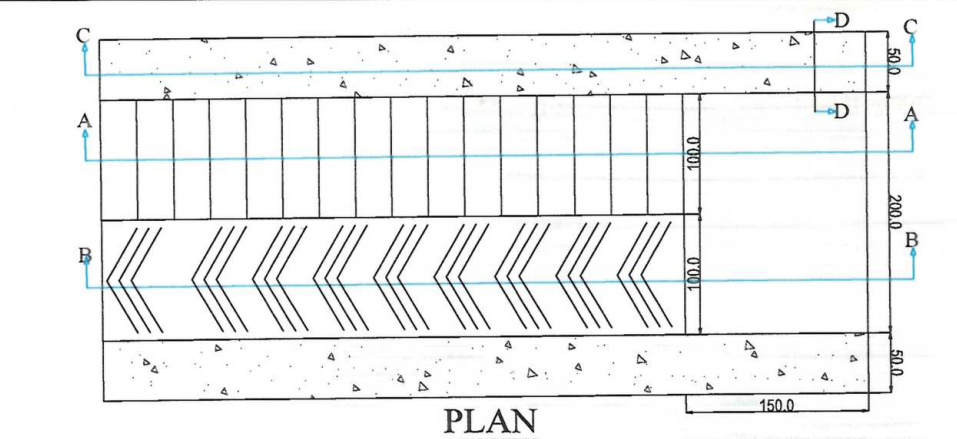
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RETAINING WALL TYPICAL SECTION & DETAILS

Drawn By: Abdul Hadi Ahadi
Designed By: Baz Mohammad Raji
Checked By: Hamidullah Shalizi

Date: 22/02/2024
Scale:

Status: FINAL DESIGN

Project Code	SHEET	PAGE NO	REVISION
	01 OF 01	15 OF 15	01



NOTE: If the stair is constructed adjacent to a retaining wall, a guardwall is not necessary. The guardwall shall be provided only when the stair does not have side protection. The outside of the guardwall shall be pointed using Cement Mortar 1:3.

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



Rev.	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRATE OF
AFGHANISTAN



Project Name:

HAZARE BAGHAL ROAD PROJECT

Drawing Title:

PLAN AND SECTIONS OF STAIR
FOR LINK RAODS

Drawn By:	Signature:
Abdul Hadi Ahadi	
Designed By:	Signature:
Baz Mohammad Raji	
Reviewed By:	Signature:
Hasibullah Shalizi	
Approved By:	Signature:

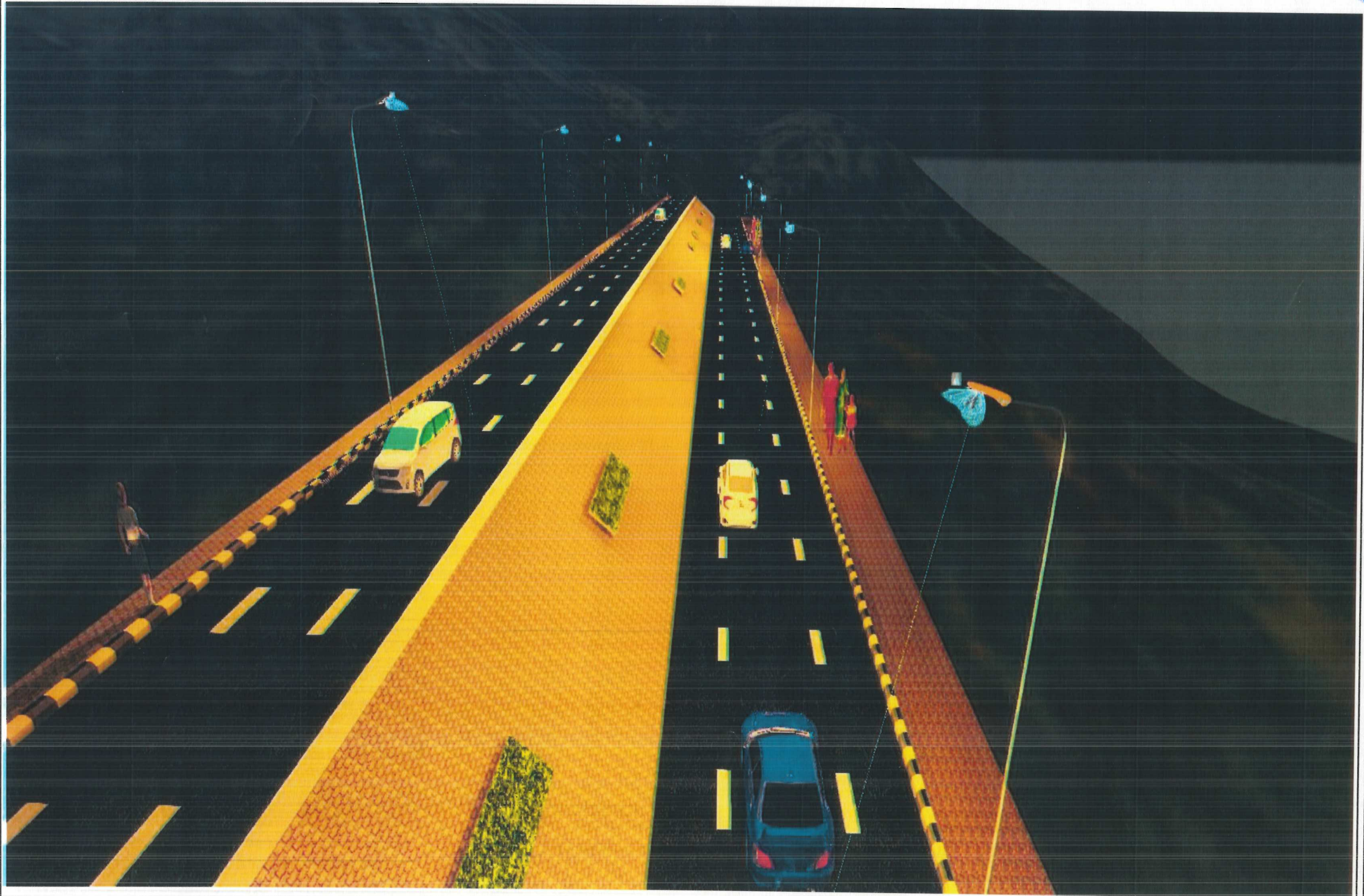
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Status: FINAL DESIGN

Project Code:

SHEET PAGE NO REVISION

STREET LIGHTING SECTION



STREET LIGHTING SECTION

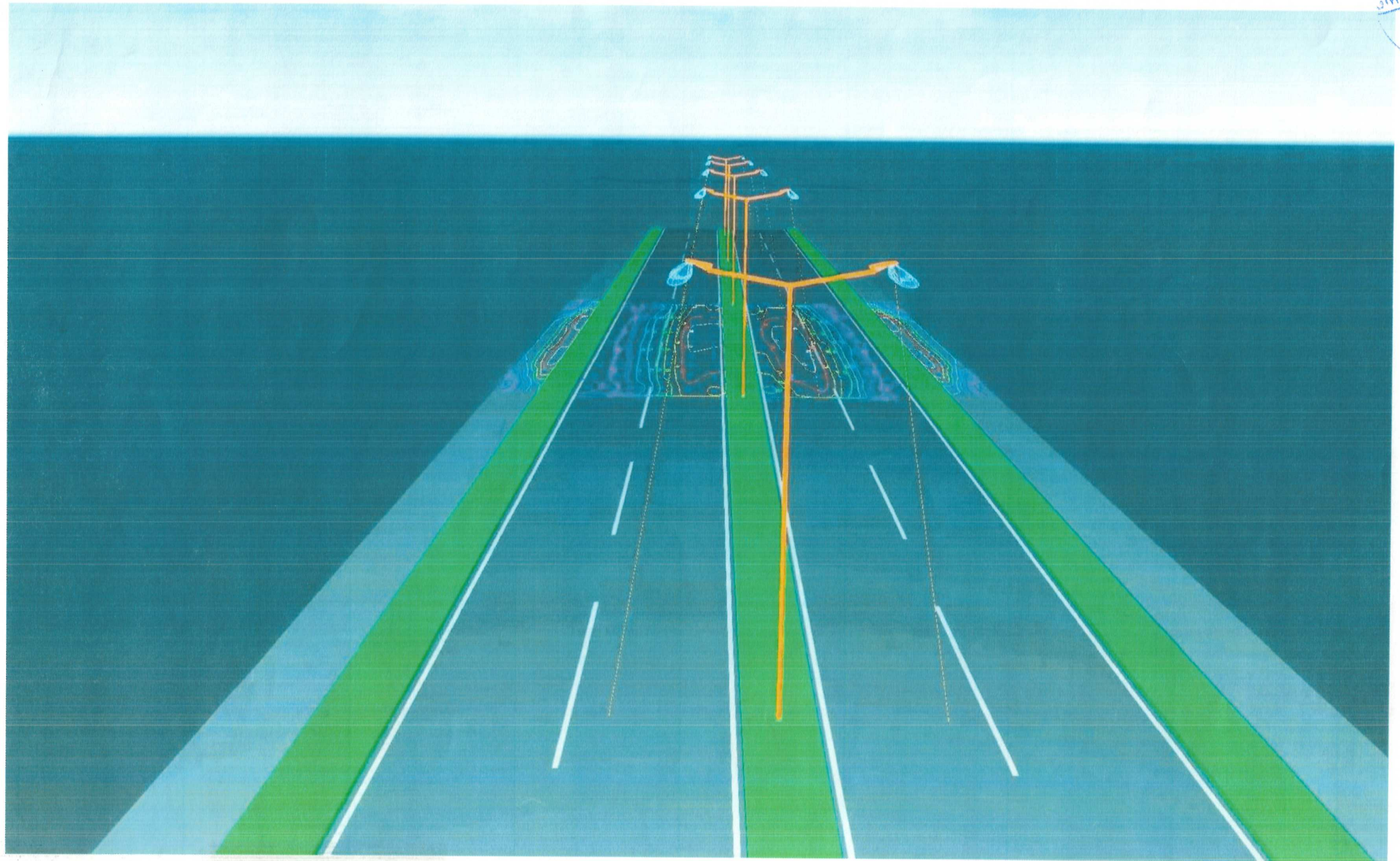


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	CIVIL- ELECTRIC LIGHT LAYOUT PLAN FOR	
03 OF 25	TABLE OF CONTENT	
04 OF 25	ELECTRIC LIGHT LAYOUT PLAN 1/5	
05 OF 25	ELECTRIC LIGHT LAYOUT PLAN 2/5	
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07 OF 25	ELECTRIC LIGHT LAYOUT PLAN 4/5	
08 OF 25	ELECTRIC LIGHT LAYOUT PLAN 5/5	
	ELECTRIC POLE DETAILS	
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17 OF 25	DETAILS FOR MANHOLE	
	ELECTRIC POWER DISTRIBUTION BOARD	
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NOTE:



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction of Road Hazaria-e-Baghlan

Drawing Title:
TABLE OF CONTENTS

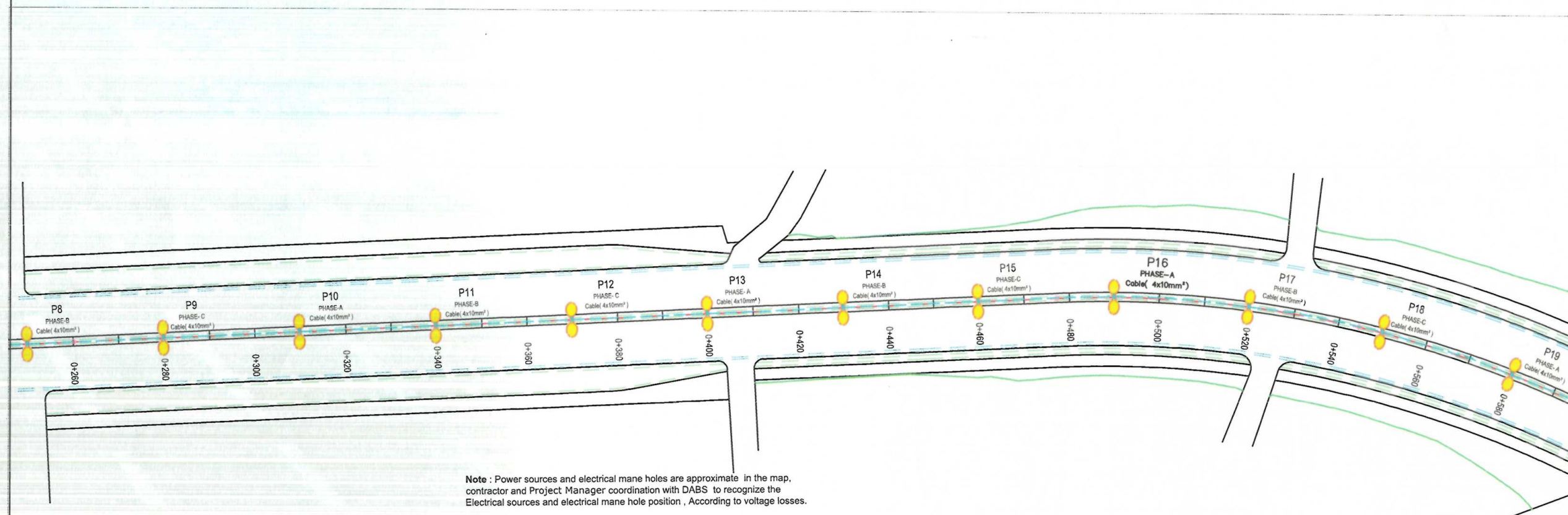
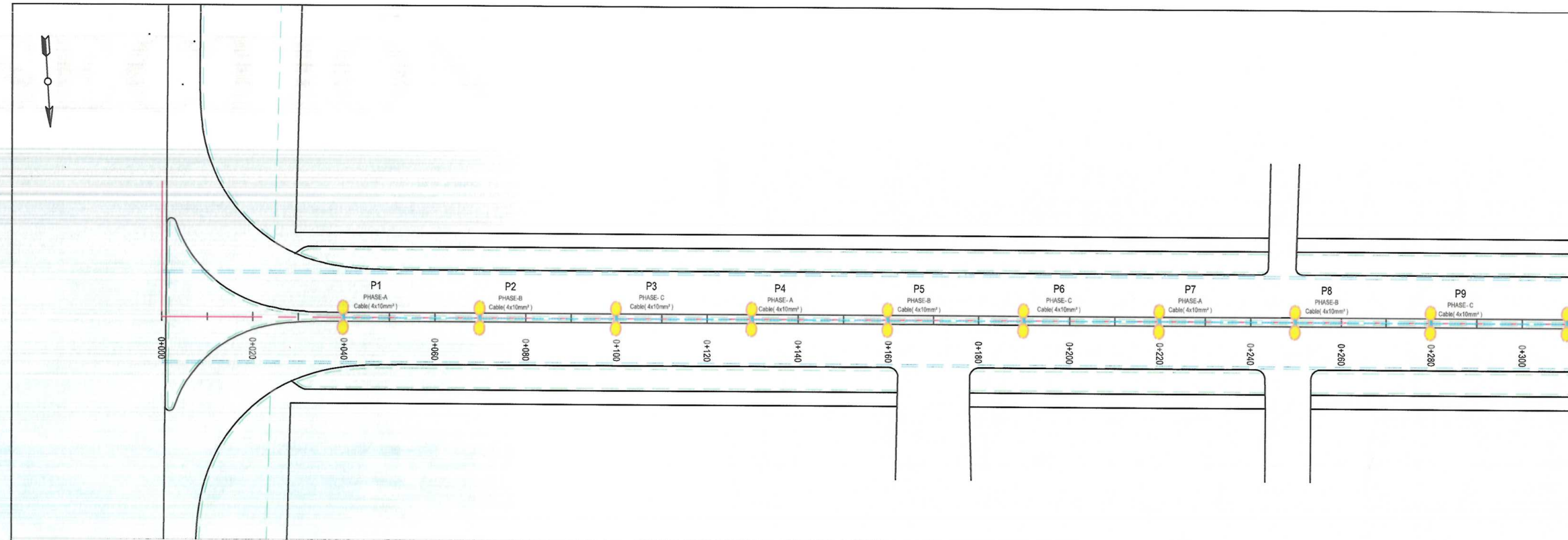
Drawn: Jamahulla Nazari	Signature:
Designed: Jamahulla Nazari	Signature:
Checked by: Hasibullah Shalizi	Signature:
	Signature:
Approved by:	Signature:

Date: 31 July 2024

Status: FINEL
DESIGN

Project Code

SHEET T - C -01	PAGE NO 01	REVISION 01
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Note : Power sources and electrical mane holes are approximate in the map, contractor and Project Manager coordination with DABS to recognize the Electrical sources and electrical mane hole position , According to voltage losses.

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.

LEGENDS

Double pole street light

single pole street light

4x6mm² Conduit & Conductor

4x10mm² Conduit & Conductor

Steel-Pipe Φ 50-mm

MANHOLE-ELE

MDP

Date	Revision	Detail	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Road Hazaria-c-Baghal

Drawing Title:

LIGHTING PLAN

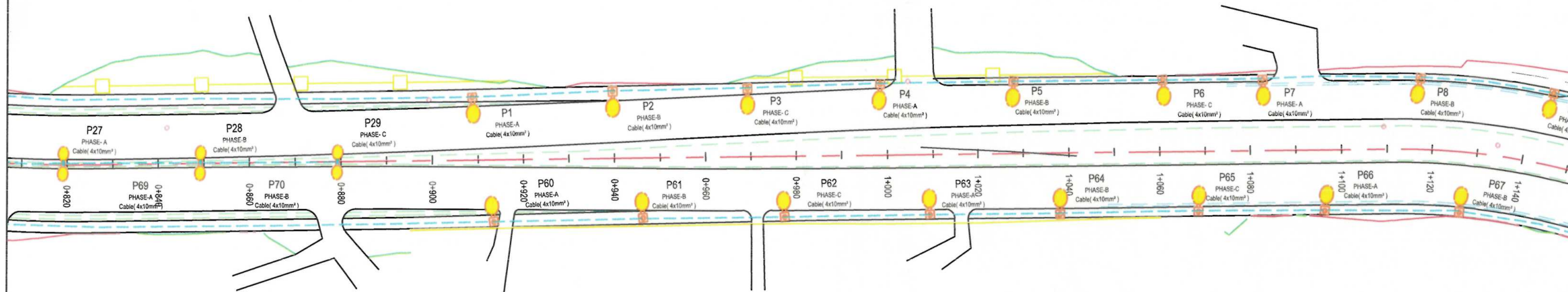
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Checked:	Signature:
Hasibullah Shalizi	

Date: 08/01/1446 Scale: 1:1000

Status: FINAL DESIGN

Project Code:

SHEET	REVISION
E&P-01 OF 5	00



- 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.

LEGENDS

Double pole street light



single pole street light

4x6mm²Conduit & Conductor .

4x10mm²Conduit & Conductor

Steel-Pipe Φ 50-mm

MANHOLE-ELE



MDP



Date	Revision Details	Drawn	Chkd.	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name

Construction of Road Hazaria-e-Bachal

9 — — —
Drawing Title

LIGHTING PLAN

Drawn: _____

Jamalullah Naza

Jamalullah Naza

Checked: _____

Date: 08/01/1446

Scale: 1:1000

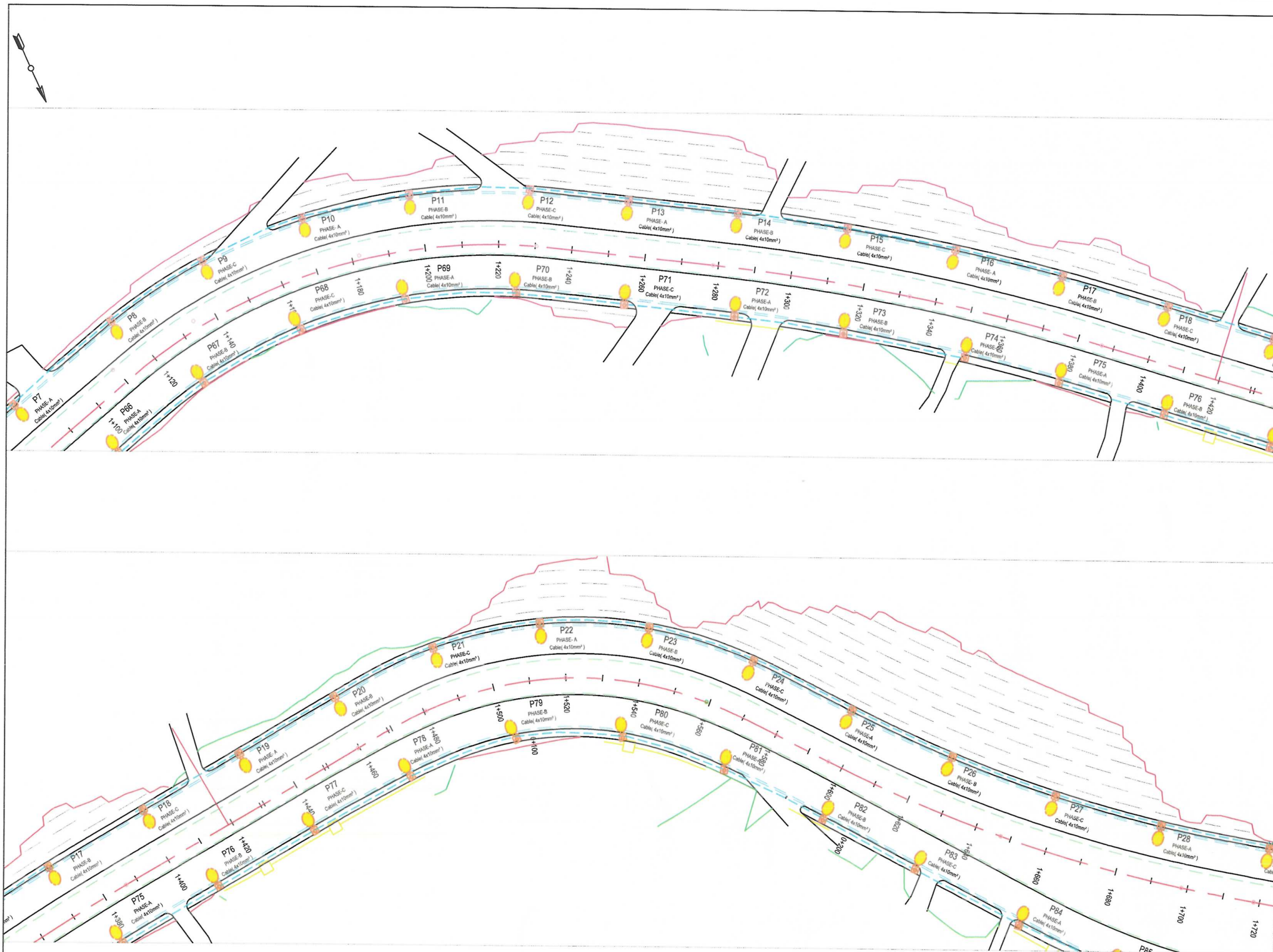
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FINAL DESIGN

Project Code

SHEET
E&P-02 OF

REVISION
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.

- LEGENDS
- Double pole street light
 - single pole street light
 - 4x6mm² Conduit & Conductor
 - 4x10mm² Conduit & Conductor
 - Steel-Pipe Φ 50-mm
 - MANHOLE-ELE
 - MDP



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Construction of Road Hazaria-e-Baghal

Drawing Title:
LIGHTING PLAN

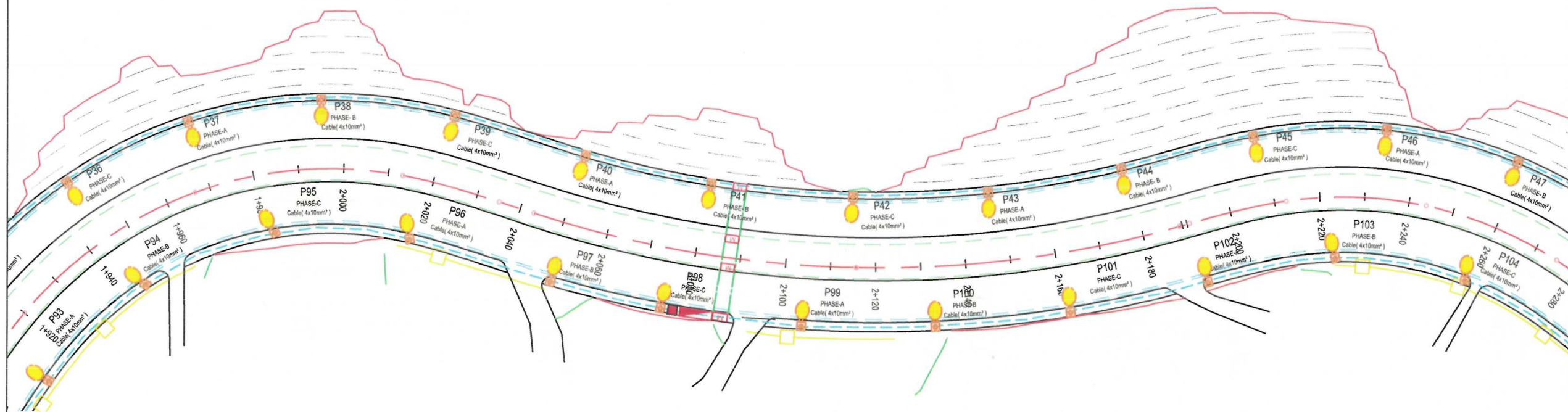
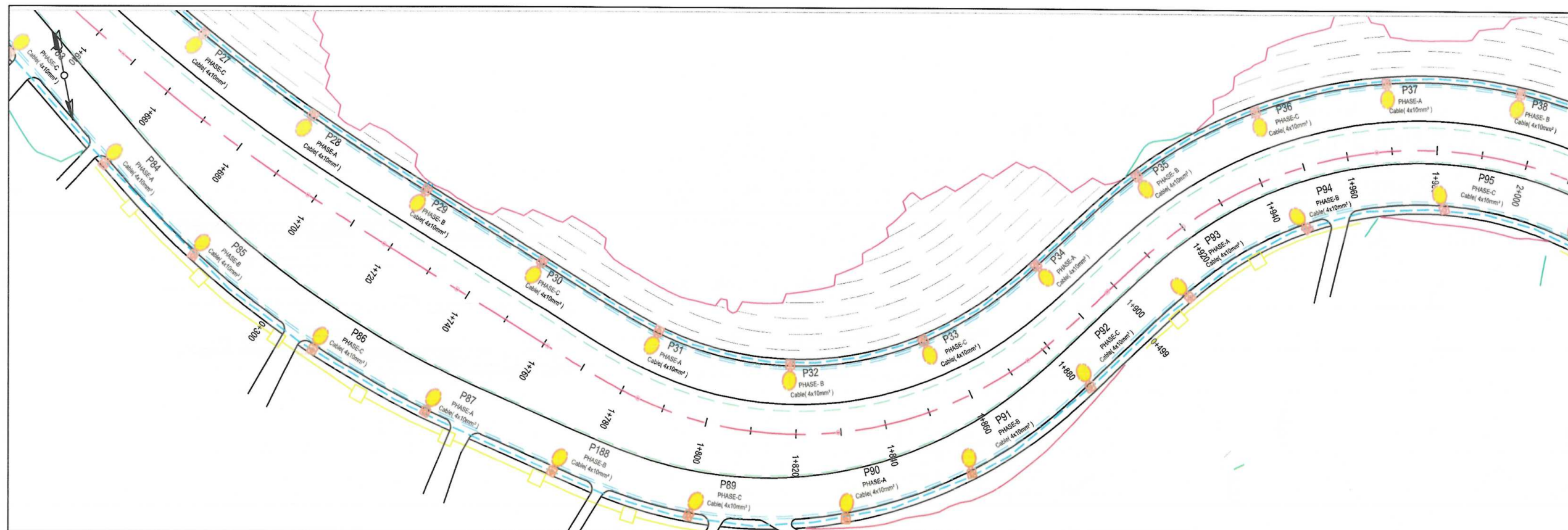
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Designed: Jamalullah Nazari	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 08/01/1446 Scale: 1:1000

Status: **FINAL DESIGN**

Project Code








SHEET	REVISION
F&P-03 OF 5	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.

LEGENDS

- | | |
|-----------------------------------------|-------------------------------------------------------------------------------------|
| Double pole street light |  |
| single pole street light |  |
| 4x6mm ² Conduit & Conductor |  |
| 4x10mm ² Conduit & Conductor |  |
| Steel-Pipe Φ 50-mm |  |
| MANHOLE-ELE |  |
| MDP |  |



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

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

LIGHTING PLAN

Drawn:

Imrululh Nazari

Designed

Jamalullah Nazari

Checked:

Hasibullah Shalizi

Date: 08/01/1446

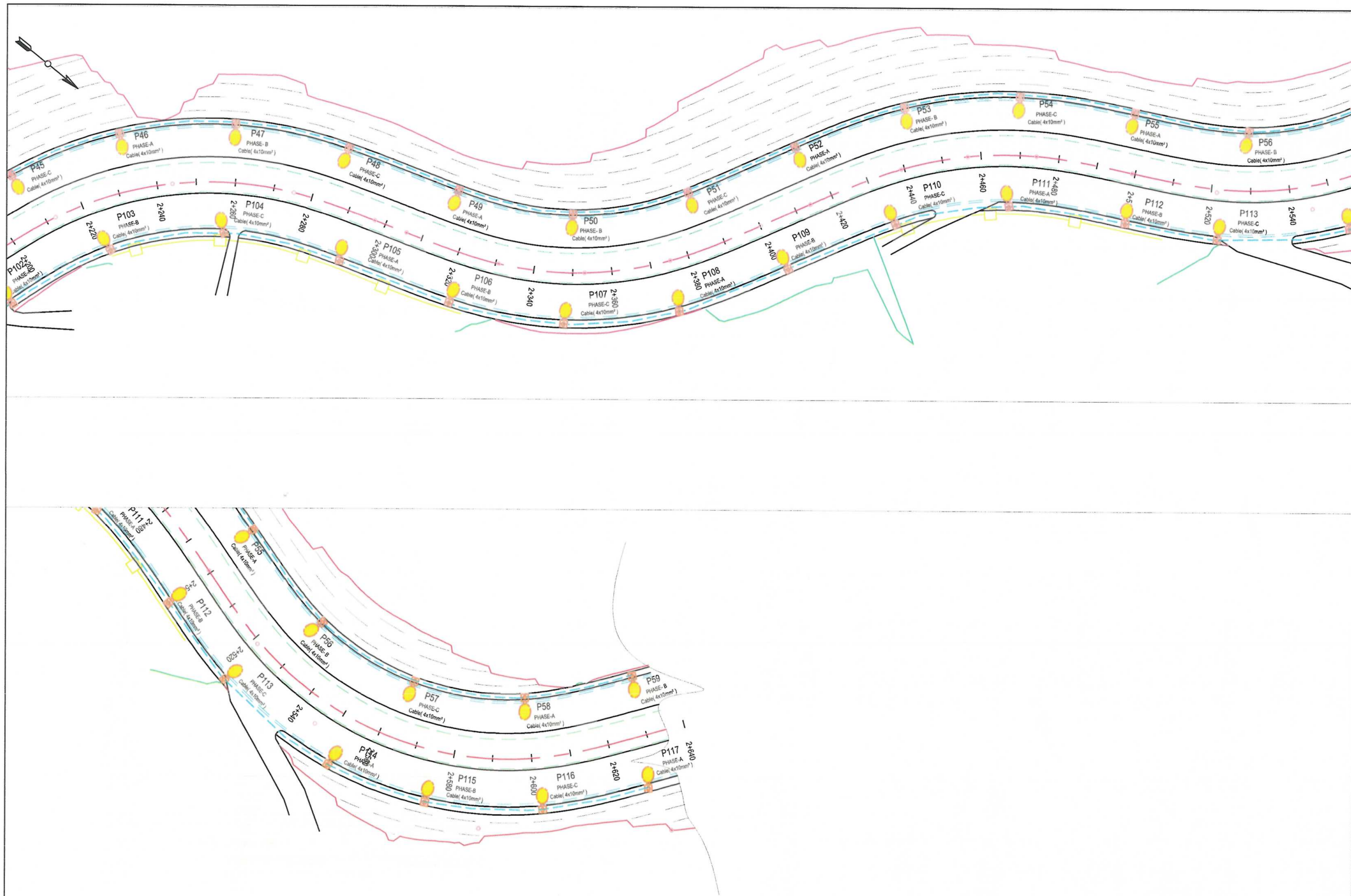
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DESIGN**

Project Code

SHEET

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E.B. 04 Q1.6	



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.

- LEGENDS
- Double pole street light
 - single pole street light
 - 4x6mm² Conduit & Conductor
 - 4x10mm² Conduit & Conductor
 - Steel-Pipe Φ 50-mm
 - MANHOLE-ELE
 - MDP



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Construction of Road Hazaria-c-Baghla

Drawing Title:

LIGHTING PLAN

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Checked:	Signature:
Hasibullah Shalizi	

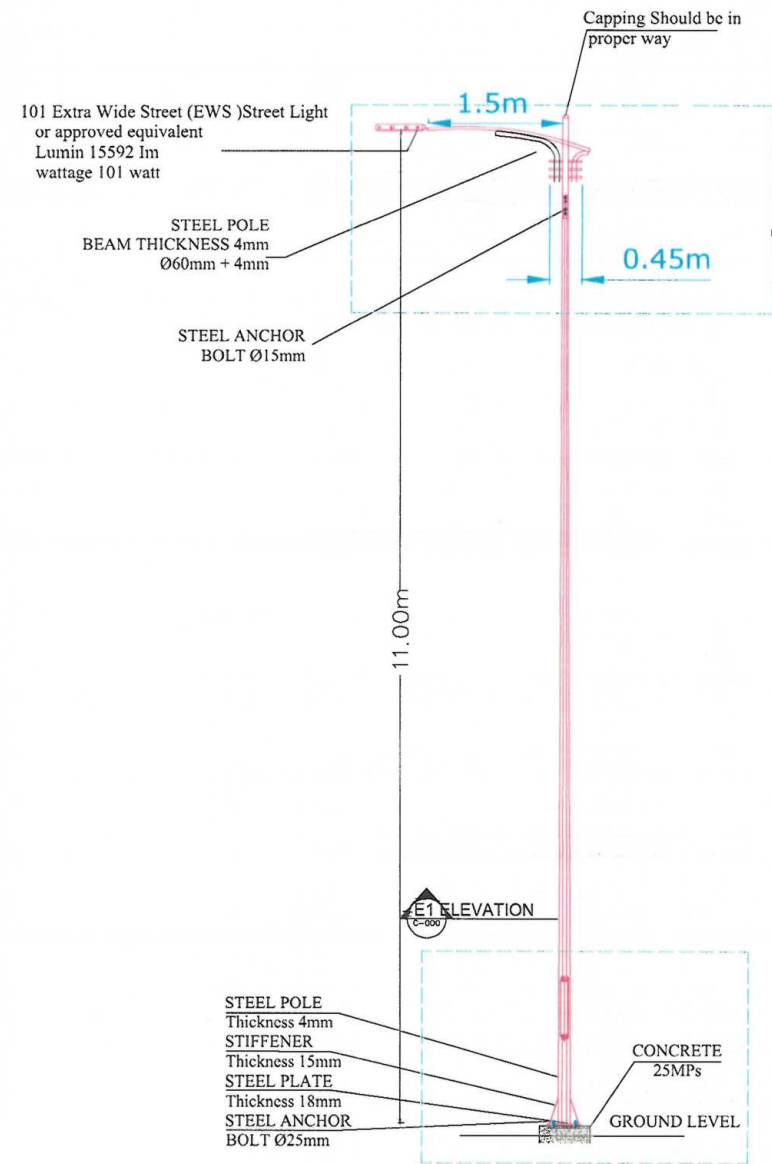
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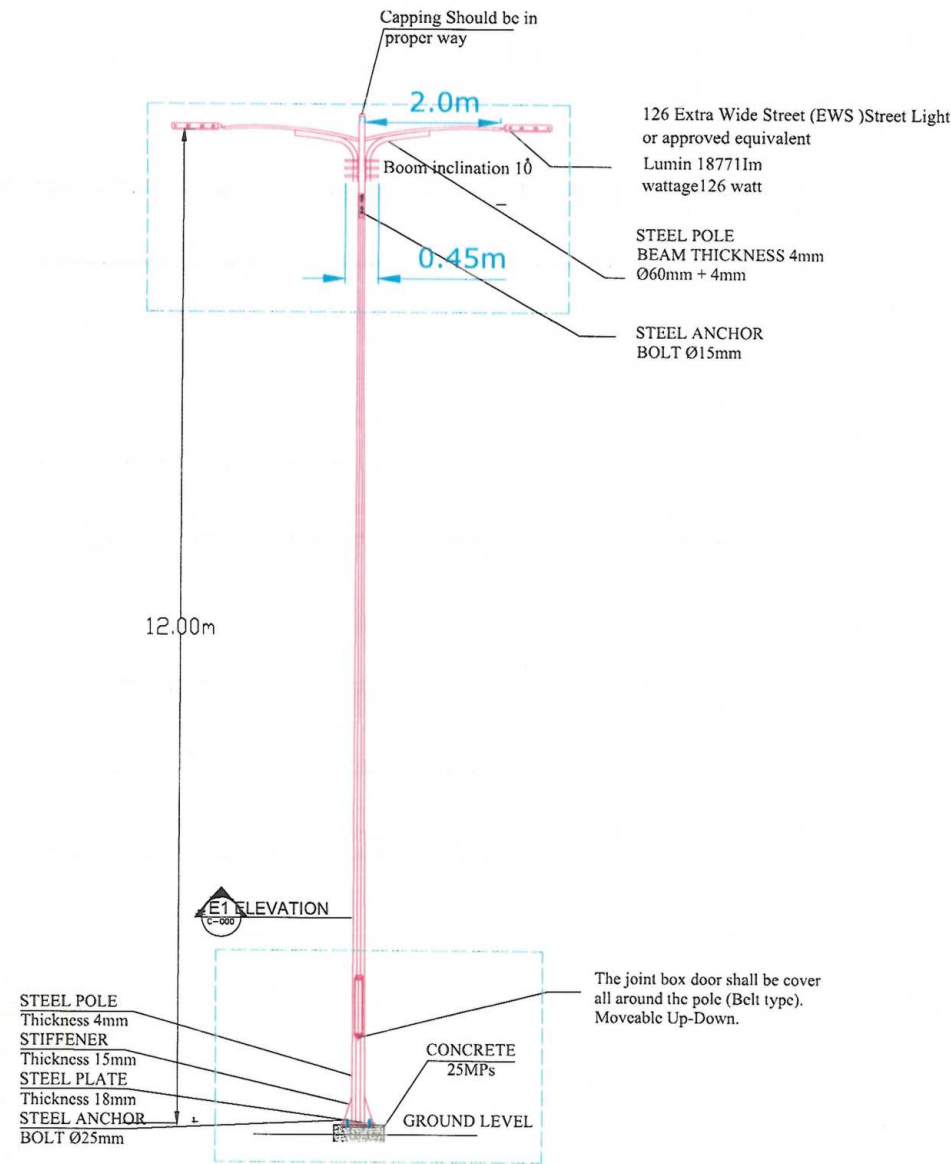
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STREET LIGHTING POLE



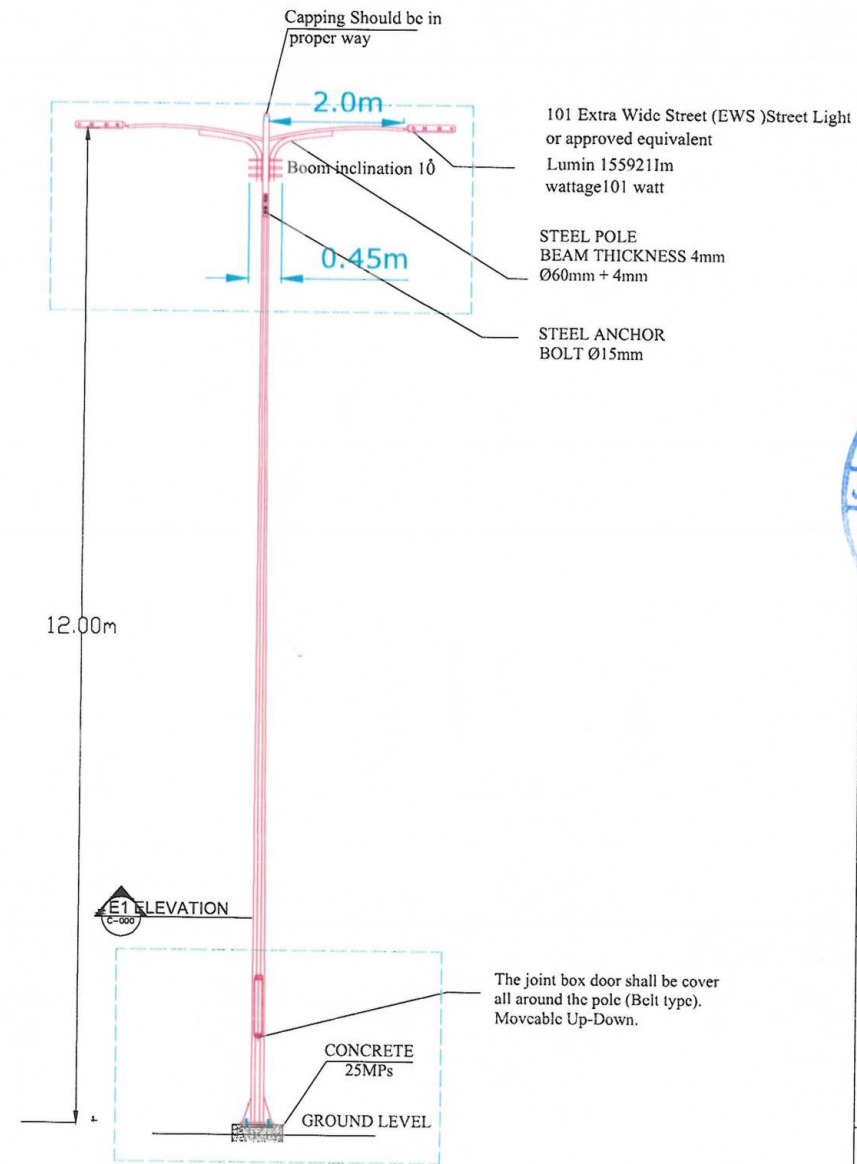
From station 910-End

Single Arm Street Light Pole at each 30m should be arranged in the Sidegreen area



From station 0-400

Double Arm Street Light pole at each 30m should be arranged on the Medle green area



From station 400-880

Double Arm Street Light pole at each 30m should be arranged on the Medle green area

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

- 1- Thorn Lighting 96266349
R2L2 S 48L70
740 NR CL2 GY (STD)
101.0 W 15593 lm
- 2- Thorn Lighting 96266458
R2L2 W 60L70 740 NR CL1 GY
(STD) 126.0 W 18771 lm 149.0
lm/W



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazara-e-Baghal

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 8 September 2024

Status: FINEL DESIGN

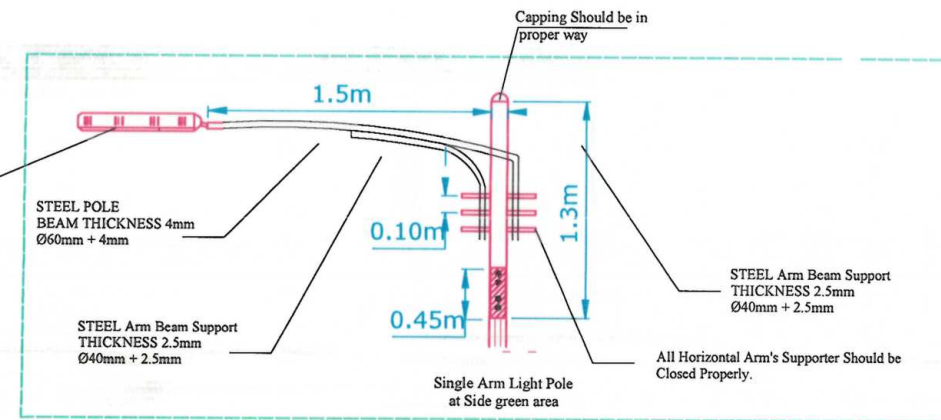
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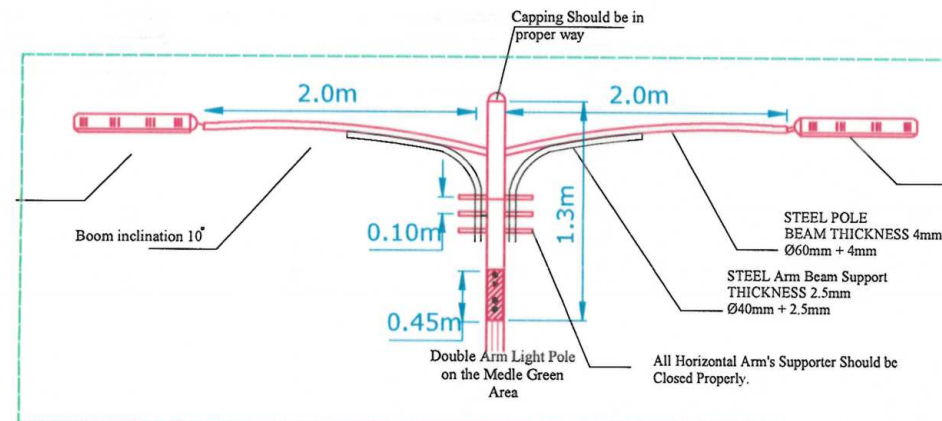
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101 Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 15592 lm
wattage 101 watt

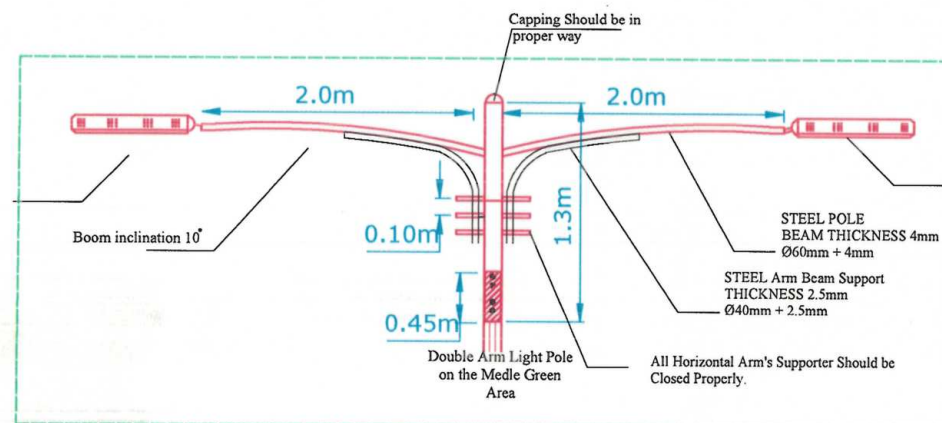


126 Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 18771 lm
wattage 126 watt



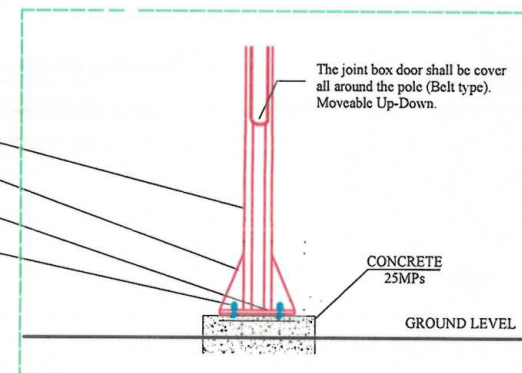
126 Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 18771 lm
wattage 126 watt

101 Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 15592 lm
wattage 101 watt



101 Extra Wide Street (EWS) Street Light
or approved equivalent
Lumin 15592 lm
wattage 101 watt

STEEL POLE
Thickness 4mm
STIFFENER
Thickness 15mm
STEEL PLATE
Thickness 18mm
STEEL ANCHOR
BOLT Ø25mm



Pole Detail

Street Light Pole Arm

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:

Construction of Road Hazaria-o-Bagh

Drawing Title:

Street Lighting Details

Drawn:

Jamalulha Nazari

Signature:

Designed:

Jamalulha Nazari

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 6 August 2024

Status:

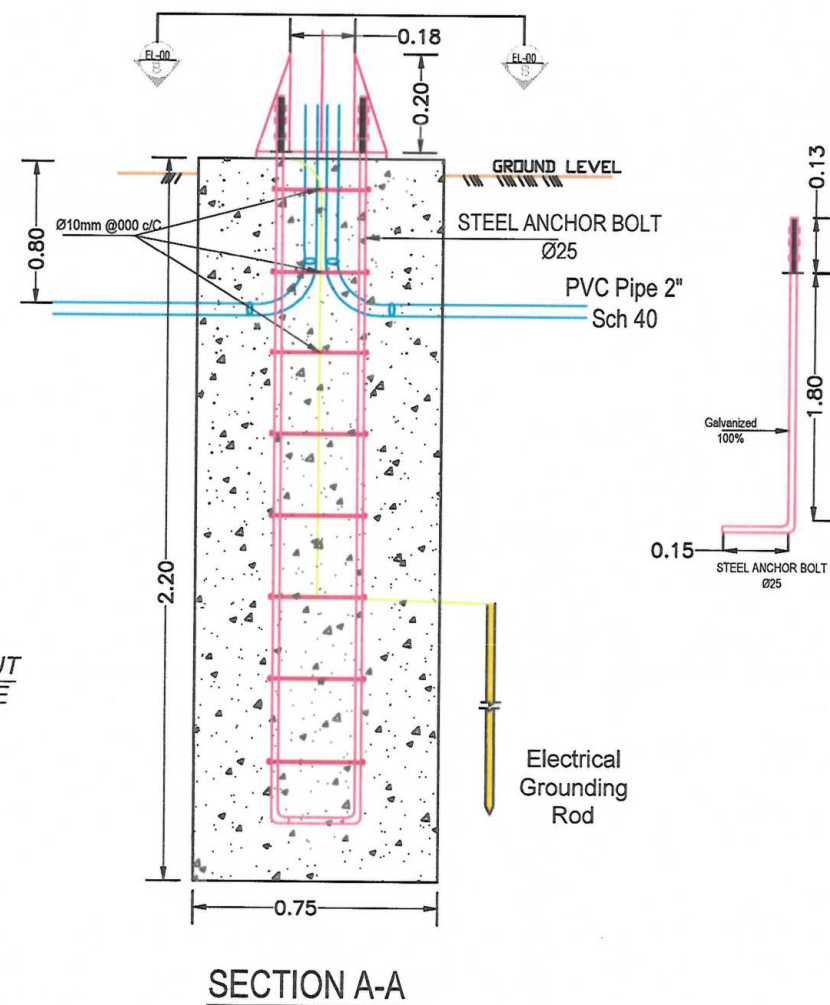
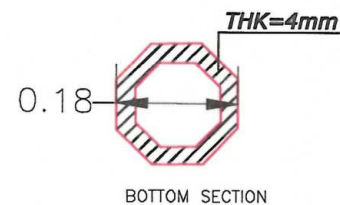
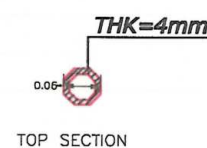
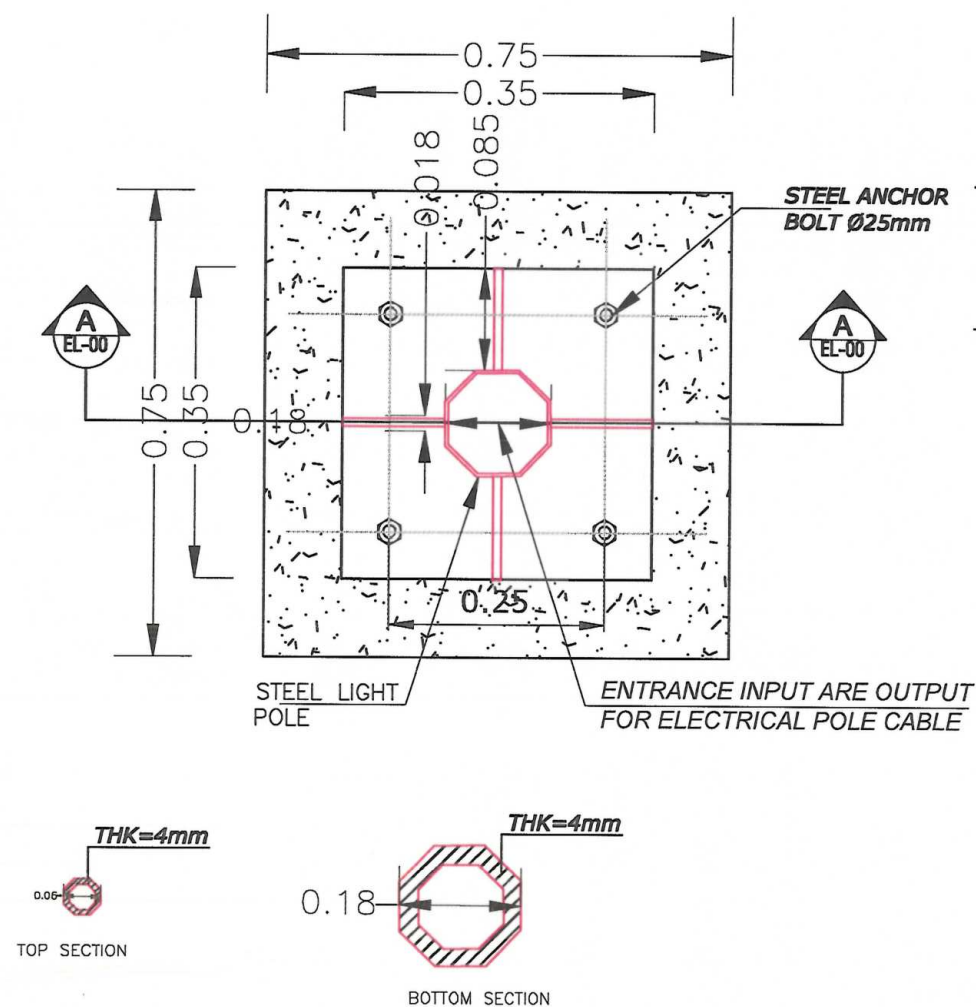
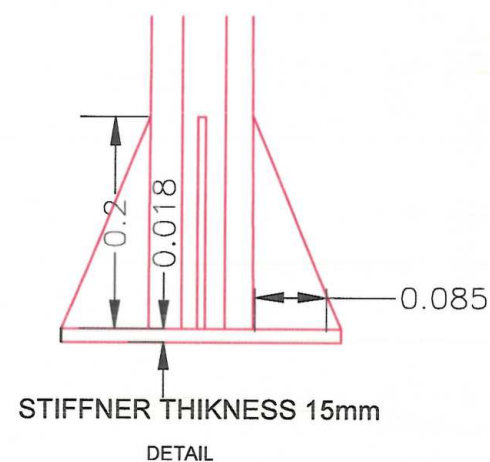
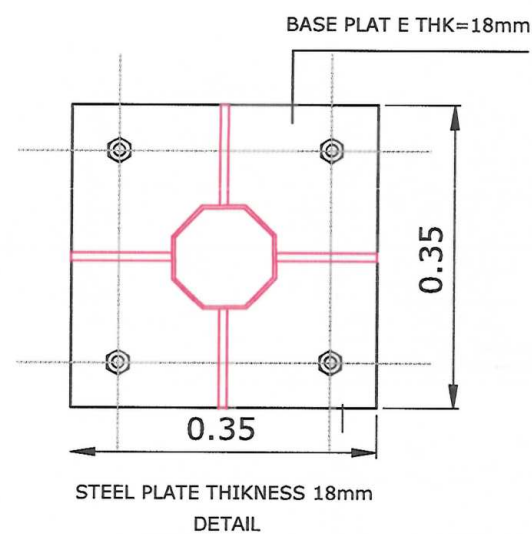
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DESIGN

Project Code

SHEET
S-L-D-02

PAGE NO
01

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:

Construction of Road Hazaria-e-Bagh

Drawing Title:

Street Lighting Details

Drawn: Jamshid Nazari

Signature:

Designed: Jamshid Nazari

Signature:

Checked by: Hasibullah Shalizi

Signature:

Signature:

Approved by:

Signature:

Date: 6 August 2024

Status:

FINAL
DESIGN

Project Code

SHEET
S-L-D-03

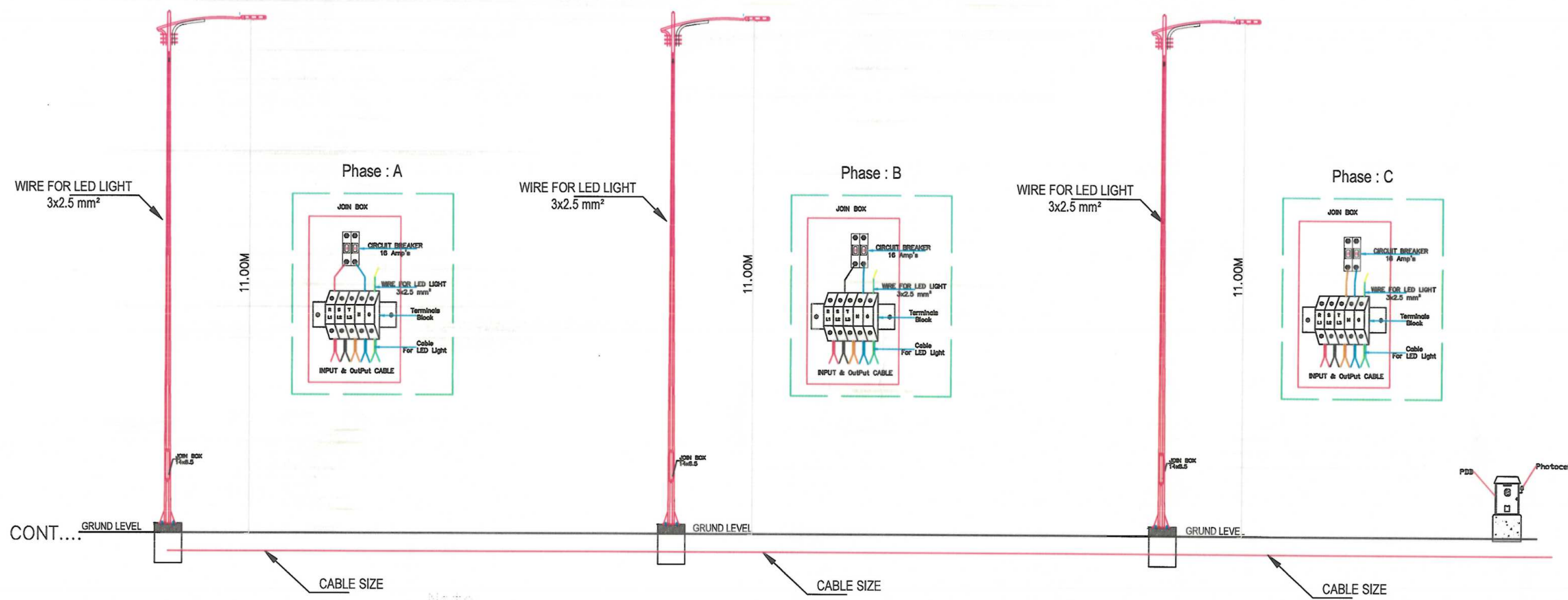
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REVISION
01

Hot Dip Galvanized steel street light pole type below.
Taper Conical, Octagonal, Polygon Section, Pole Details

Light Pole Location	Pole Length	Base Plate Size	Base Plate Thickness	Top Diameter	Bottom Diameter	Sheet Thickness	Foundation Depth
	mm	mm	mm	mm	mm	mm	mm
Side Green Area	11000	350	18	60	180	4	2000
Medle Green Area	12000	350	18	60	180	4	2200

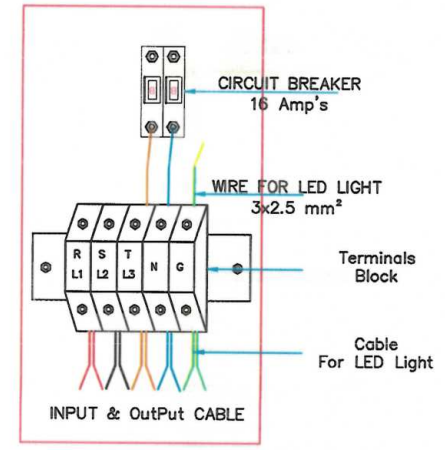
Note:
all dimension are in Meter



CONT....

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 sour.



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:
Construction of Road Hazrat-e-Baghat

Drawing Title:
Street Lighting Details

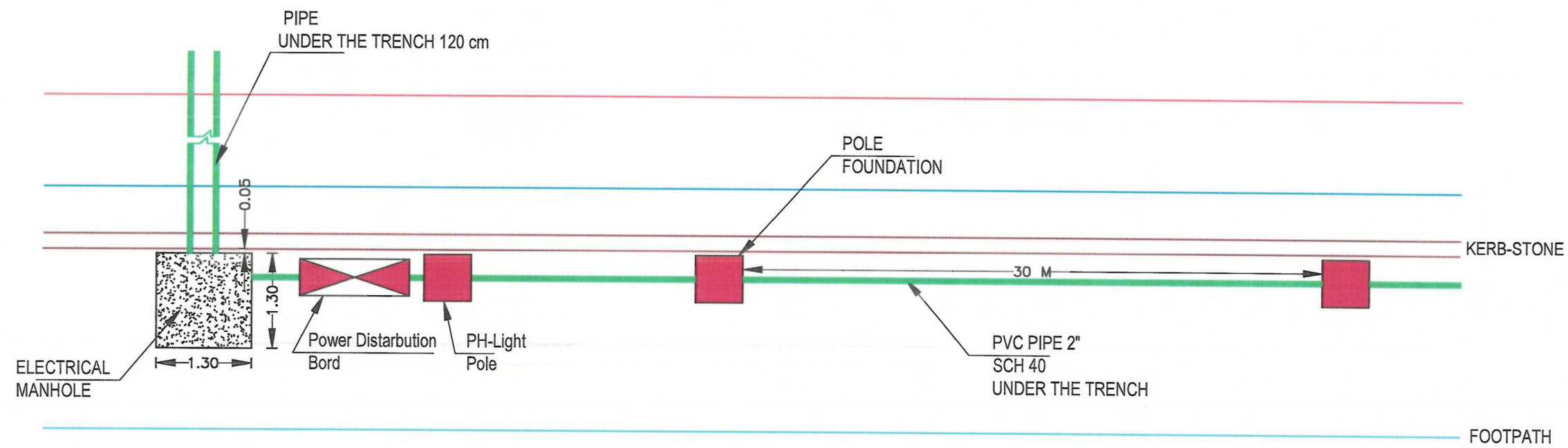
Drawn: Jamshid Nouri	Signature:
Designed: Jamshid Nouri	Signature:
Checked by: Husein Shafiq	Signature:
	Signature:
Approved by:	Signature:

Date: 6 August 2024

Status: **FINEL DESIGN**

Project Code

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



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

Street Lighting Details

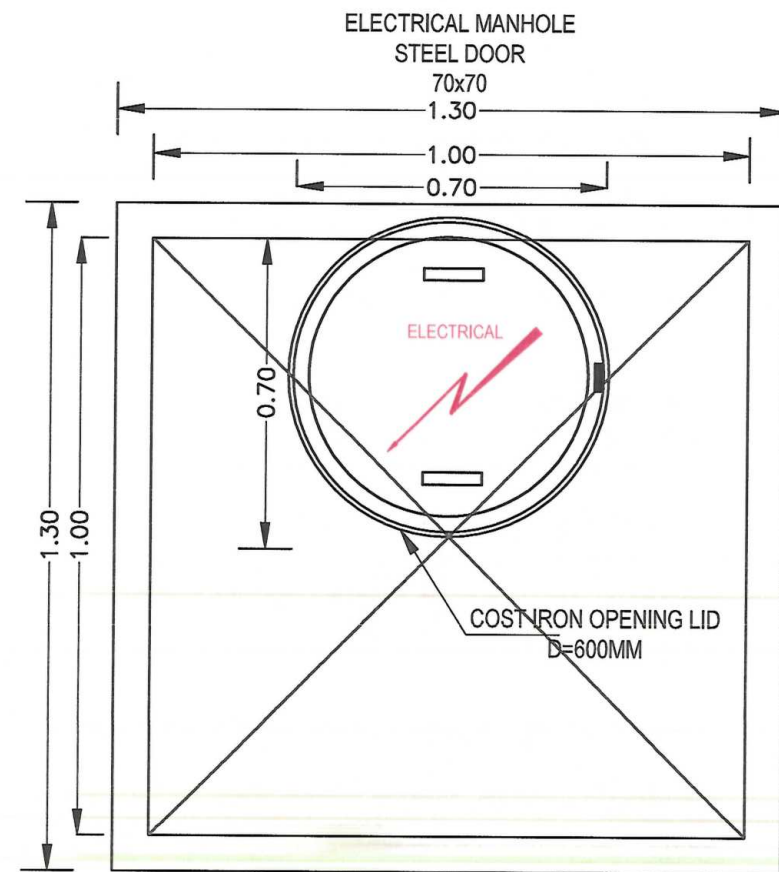
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Designed: Jamalulha Nazari	Signature:
Checked by: Hasibullah Shalizi	Signature:
Approved by:	Signature:

Date: 6 August 2024

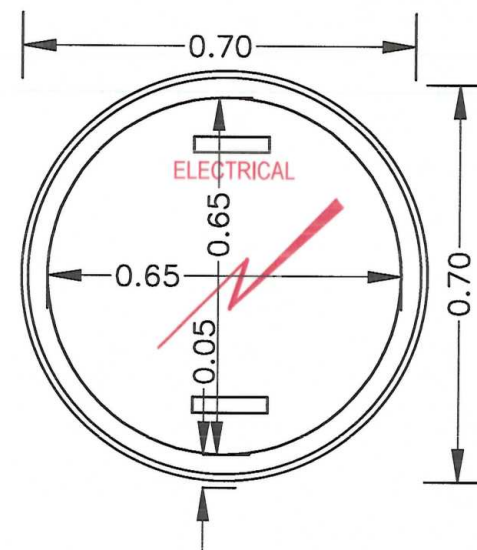
Status: FINEL DESIGN

Project Code

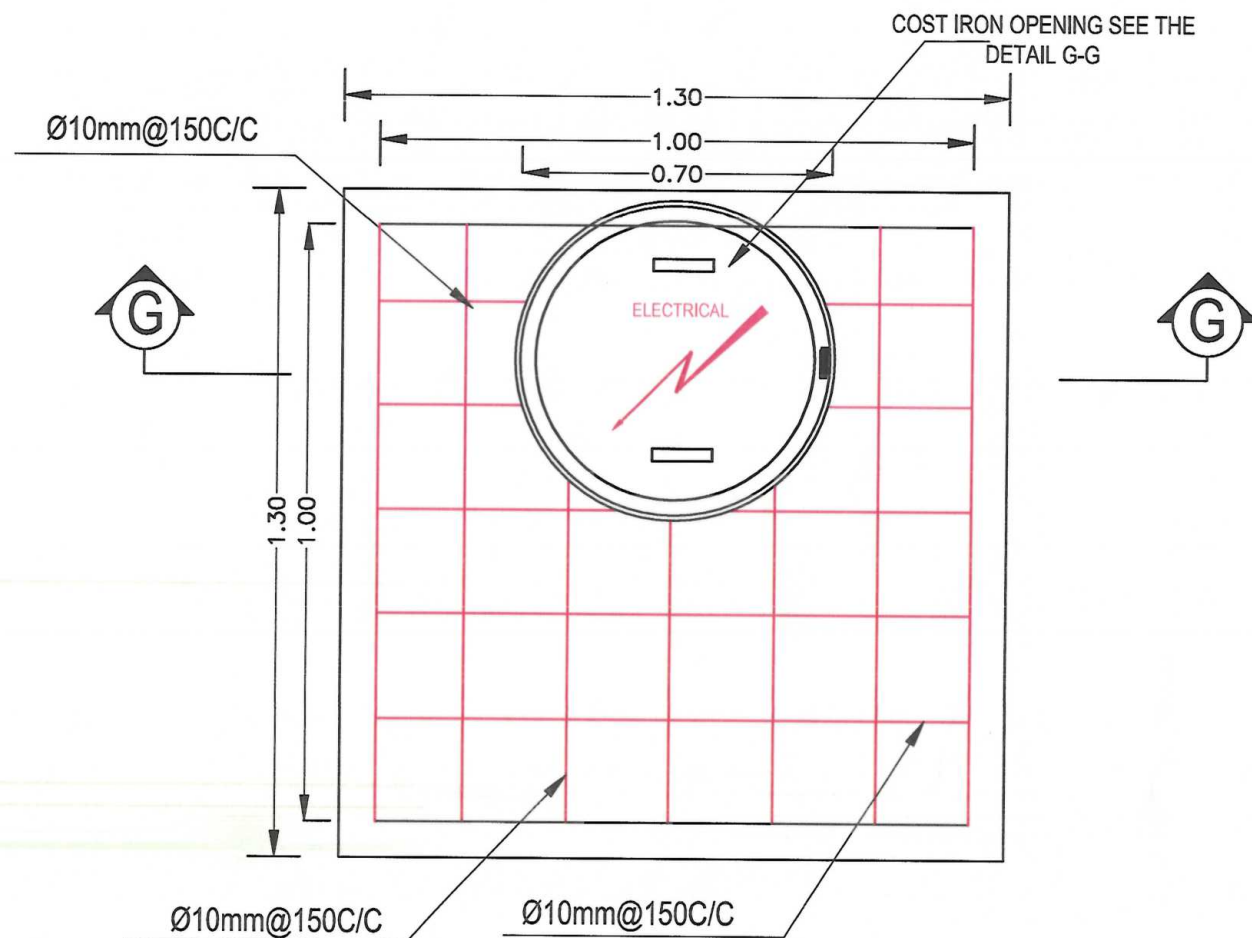
SHEET	PAGE NO	REVISION
S-L-D-05	01	01



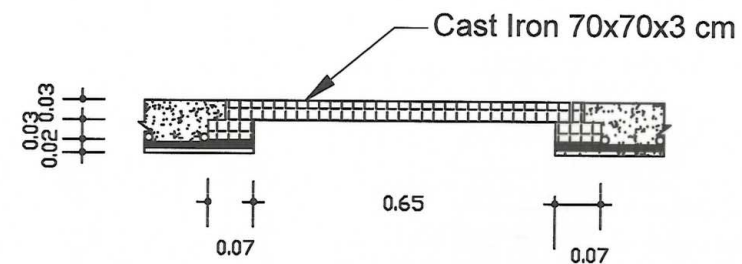
MANHOLE OPENING PLAN



Manhole opening Plan 70x70



STEEL BAR PLAN



Sec G-G

NOTE:



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by: Hasibullah Shalizi

Signature:

Signature:

Signature:

Date: 31 July 2024

Status:

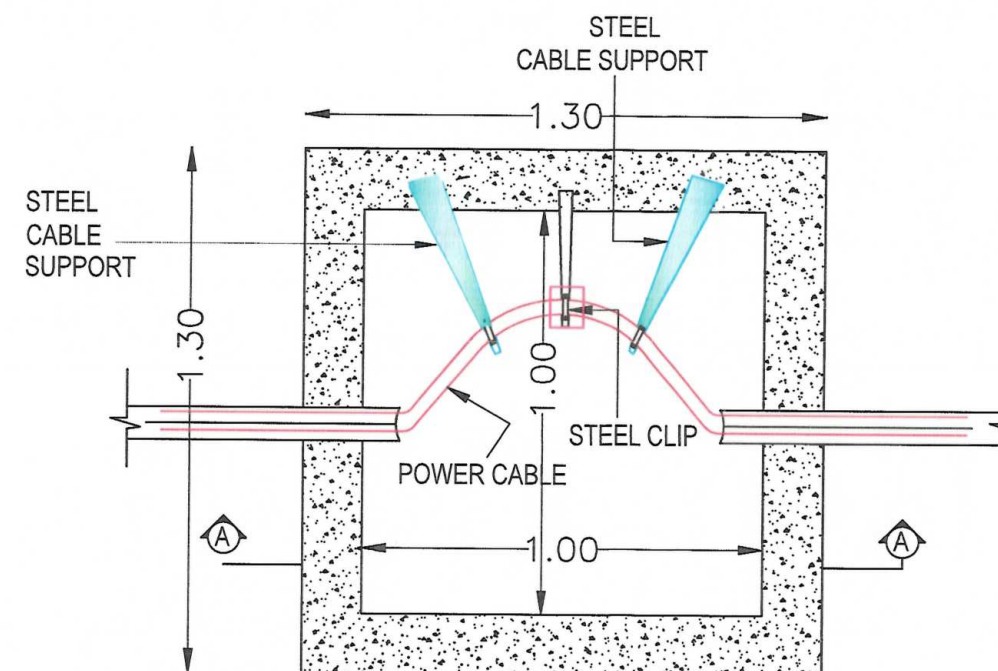
FINEL
DESIGN

Project Code

SHEET
E-M-H-01

PAGE NO
01

REVISION
01



SECTION OF STEEL CABLE SUPPORT

NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamalulha Nazari

Signature:	
------------	--

Designed:

8.

Checked by:

5

1

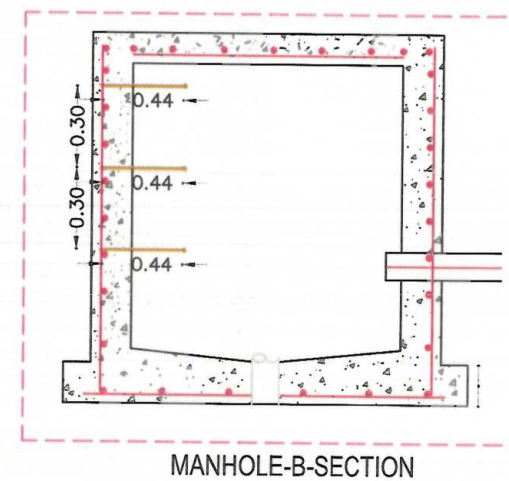
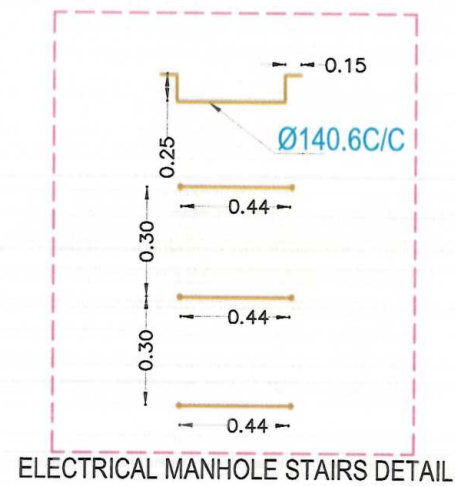
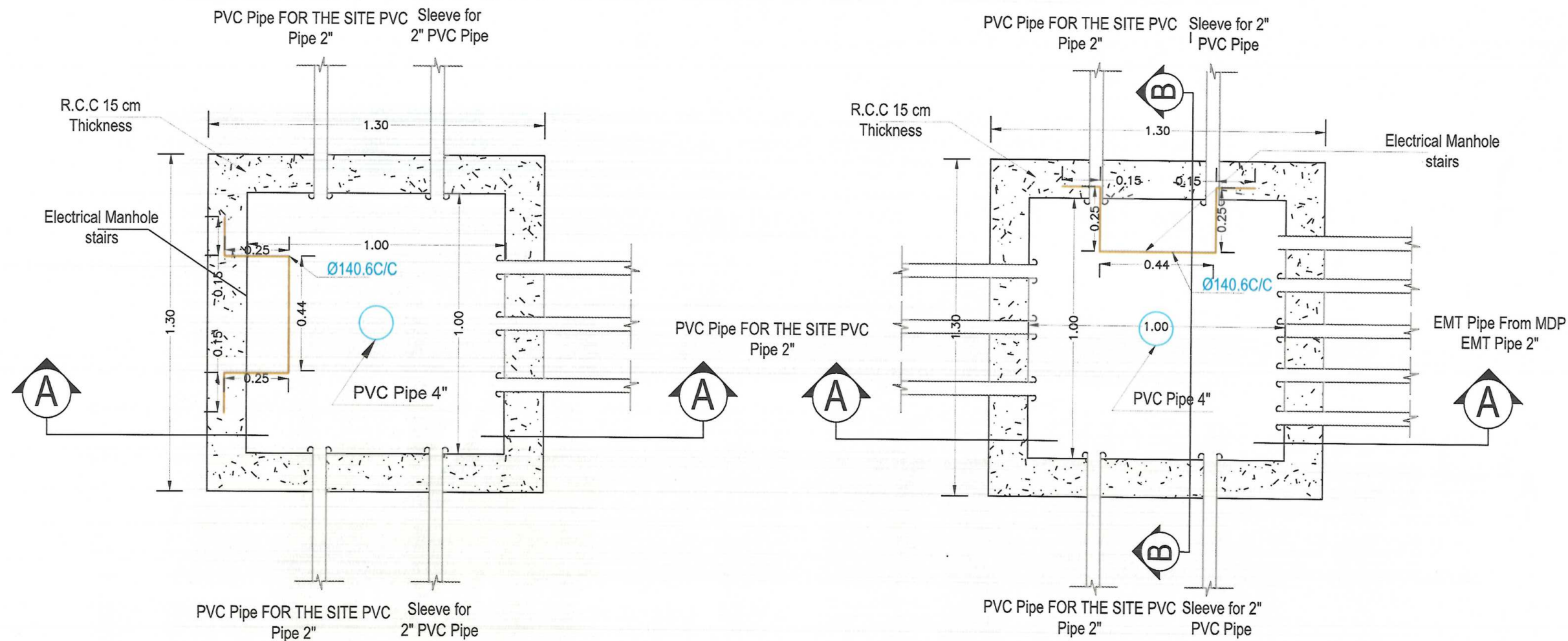
Signature _____

Date: 31 July 2024

Status: FINEL
DESIGN

Project Code	
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SHEET E-M-H-02	PAGE NO 01	REVISION 01
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NOTE:



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by: Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 4 September 2024

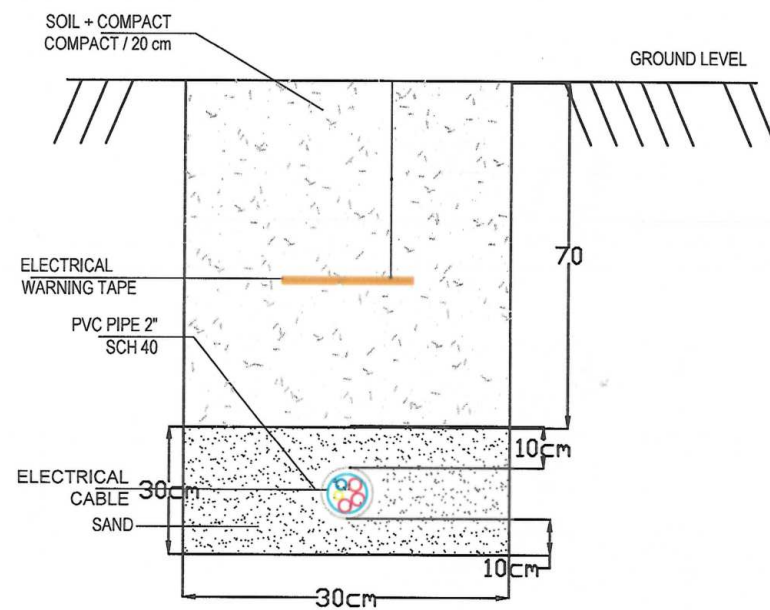
Status: FINEL DESIGN

Project Code:

SHEET
E-M-H-03

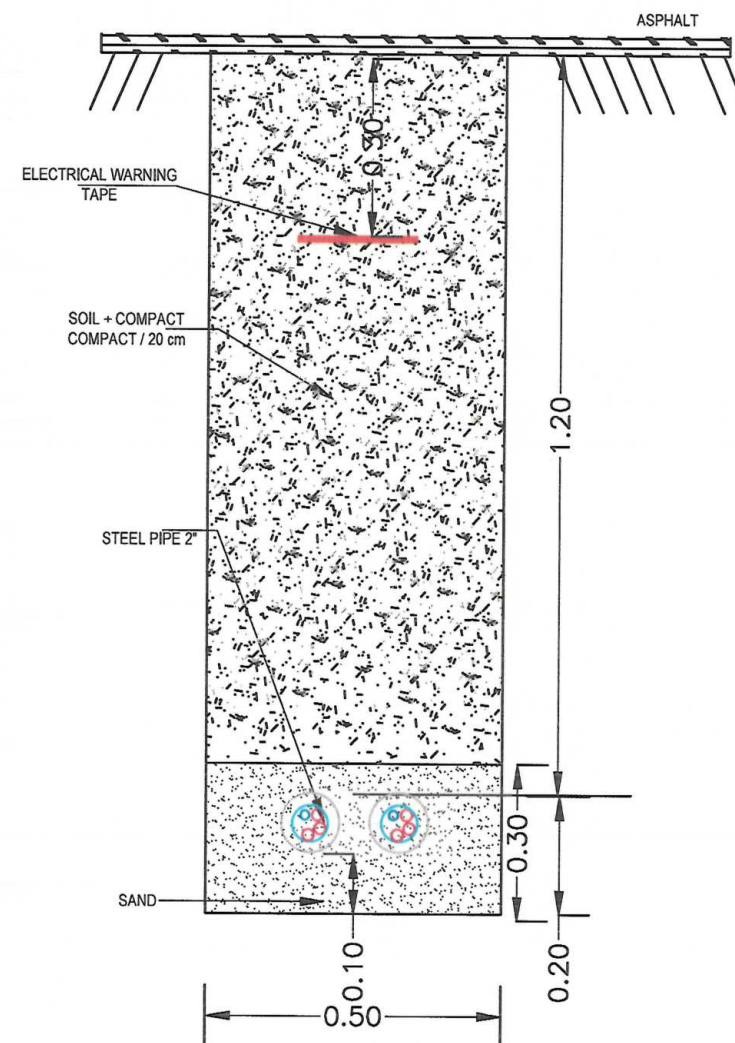
PAGE NO
01

REVISION
01

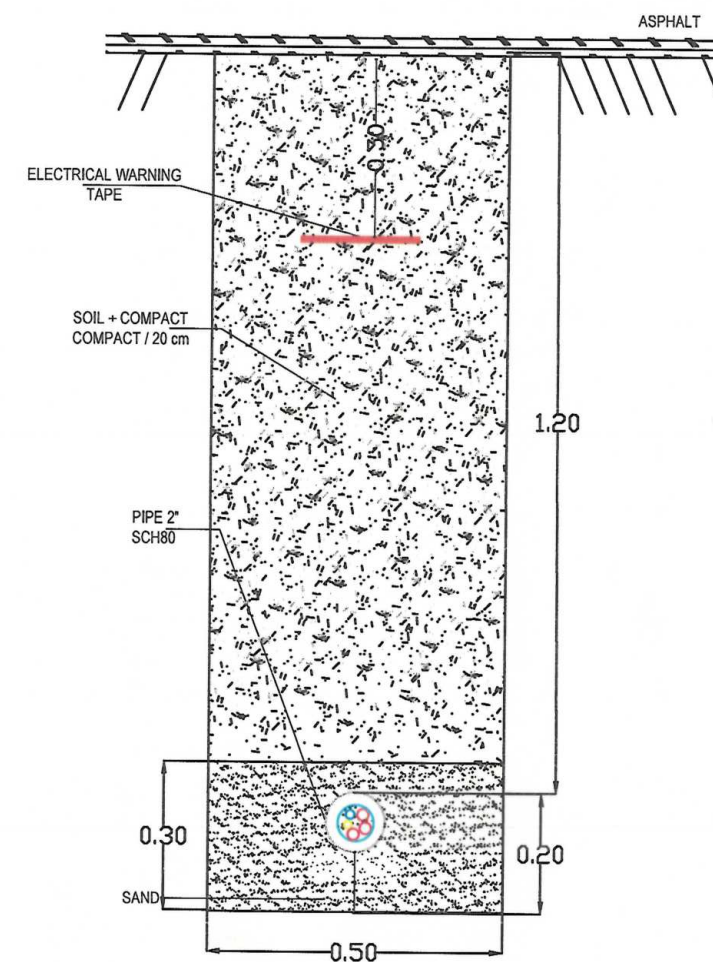


DETAILS FOR PIPE TRENCH SECTION

Note
Under the carigeway should
use brids top on the pipes



Details Manholes to Manholes



DETAILS FOR LINKING ROAD

NOTE:



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulha Nazari	Signature:
Designed: Jamolulha Nazari	Signature:
Checked by: Hasibullah Shalizi	Signature:
	Signature:
	Signature:

Date: 31 July 2024

Status: FINEL
DESIGN

Project Code

SHEET	PAGE NO	REVISION
E-M-H-04	01	01

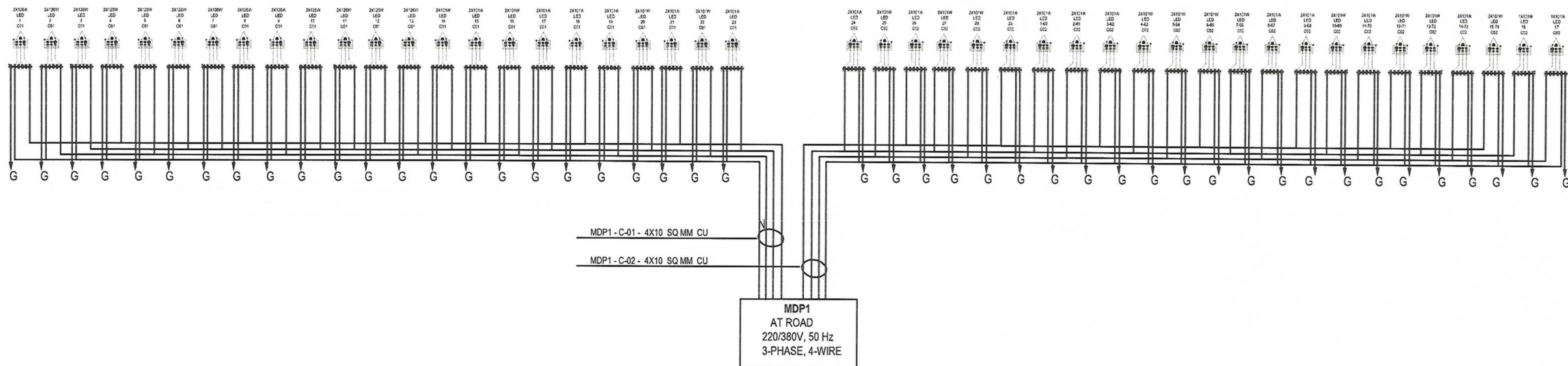
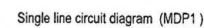
380Y / 220 VOLTS, 3 PHASE , 4 WIRE
50Hz PANEL BOARD

MAIN CIRCUIT BREAKER:- 3 Ph-63A

**MOUNTING , SURFACE
PANEL BOARD LOCATION :-**

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	C				B												A	B
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			202	16							16	252			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	202			16							16		252		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		202		16							16			252	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			202	16							16	252			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	202			16							16		252		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		202		16							16			252	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			202	16							16	202			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	202			16							16		202		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		202		16							16			202	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			202	16							16	202			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	252			16							16		202		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		252		16							16			202	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			252	16							16	202			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	252			16							16		202		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		252		16							16			202	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			252	16							16	202			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	252			16							16		202		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		252		16							16			202	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			252	16							16	101			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	252			16							16		101		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm		
		SPARE															SPARE				
SUB - TOTAL			1866	1614	1816											1615	1615	1514	SUB - TOTAL		

	VA	AMP
Total Phase A	3380	15.36
Total Phase B	3229	14.68
Total Phase C	3431	15.60
Total Connected Load	10.04	VA
Power Factor=0.8	12.55	
Demand Factor Load =0.7	8.785	VA
20 % Future Load	1.757	VA
Total Load	13.178	KVA
Total Ampere 3 PH	20.02	AMP



Main Cable From source to MDP Will be provided by Contractors with DABS thymes, according to voltage losses.

NOTE:



Date	Revision Details	Drawn	Chkd.	Appr
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL WIRING

Drawn: Jamalulha Nazari	Signature:
-------------------------	------------

Drawn: Jamalulha Nazari	Signature:
-------------------------	------------

Designed:Jamalullha Nazari

Checked by:

Hasibullah Shalizi

100

Approved by:

Approved by:

Date: 8 September 2024

Status: **FINEL
DESIGN**

Project Code

SHEET
E-W-01

PAGE NO
01

REVISION
01

<p>380Y / 220 VOLTS, 3 PHASE , 4 WIRE</p> <p>50Hz PANEL BOARD</p>	<p>LIGHTING POWER PANEL BOARD SCHEDULE OF SECOND SECTION</p> <p>MAIN CIRCUIT BREAKER:- 3 Ph-63A</p>	<p>MOUNTING , SURFACE PANEL BOARD LOCATION :-</p>
-------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------	-------------------------------------------------------

50Hz PANEL BOARD

**MOUNTING , SURFACE
PANEL BOARD LOCATION :-**

	VA	AMP
Total Phase A	1414	6.43
Total Phase B	1414	6.43
Total Phase C	1414	6.43
Total Connected Load	4,242	VA
Power Factor=0.8	5.3025	
Demand Factor Load =0.7	3.7118	VA
20 % Future Load	0.7424	VA
Total Load	5.5676	KVA
Total Ampere 3 PH	8.46	AMP

NOTE:



Date	Revision Details	Drawn	Chkd.	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL WIRING

Drawn: Jamalulha Nazari

Signature: _____

Designed:Jamalullha Nazari Si

Signature _____

Checked by:

Signature

Signature: _____

Signature:

Date: 8 September 2024

Status: **FINEL
DESIGN**

Project Code

SHEET
E-W-03

PAGE NO
01

REVISION
01

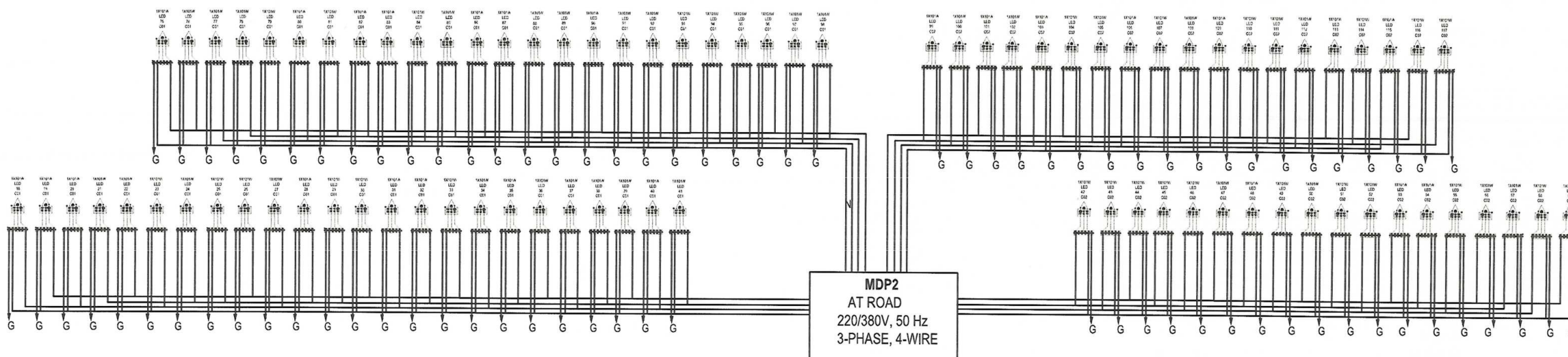
PANEL : ROAD			VOLTS : 380V/220			PHASE / WIRE :			LOCATION :		
MAIN BUS : 150 Amp's			MAIN CB : 150 Amp's			NEUTRAL : 100%			SEE NOTE		
LOAD INFORMATION			Watt's			BREAKER RATING / POLES			Watt's		
LOAD			PH-A	PH-B	PH-C	OKT	P	CB	PH	CB	P
A-SIDE LED street Light	NOTE	TYPE	808			1			A		
				808		3	3	63	B	63	3
					808	5			C		
			808			7			A		
B-SIDE LED street Light				808		9		63	B	63	3
					808	11			C		
			808			13			A		
						15			B		
						17			C		
						19			A		
						21			B		
						23			C		
						25			A		
						27			B		
						29			C		
						31			A		
						33			B		
						35			C		
						37			A		
						39			B		
						41			C		
						42					
MOUNTING :											
ENCLOSURE :			CONNECTED PHASE (W) :								
						2929			2929		
						2828					
NOTES :			380V/220V/3, PHASE 50HZ			W			A		
1. Ground Bus			TOTAL PHASE (A) =			2929			13.3		
2. UL-Listed, Nema			TOTAL PHASE (B) =			2929			14.3		
3. Bolt on breakers			TOTAL PHASE (C) =			2828			12.8		
			TOTAL CONNECTED LOAD			8686			W		
			DEMAND FACTOR			90			%		
			DEMAND LOAD			7817.2			W		
			20% FUTURE			1737.2			W		
			TOTAL LOAD			9.53			KW		
			TOTAL AMPERE			15.3			AMPS		

B1# ROAD A SIDE
Cable Size 2*(4x10 mm²)
Type (XLPE)

B1# ROAD A SIDE
Cable Size 2*(4x10 mm²)
Type (XLPE)

MAIN CABLE SELECT BY CONTRACTORS AN DABS
ACCORDING VOLTAGE LOSSES

Single line circuit diagram (MDP2)



Main Cable From source to MDP Will be provided by Contractors with DABS thymes, according to voltage losses.

NOTE:



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

ELECTRICAL WIRING

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Signature:

Signature:

Date: 8 September 2024

Status:

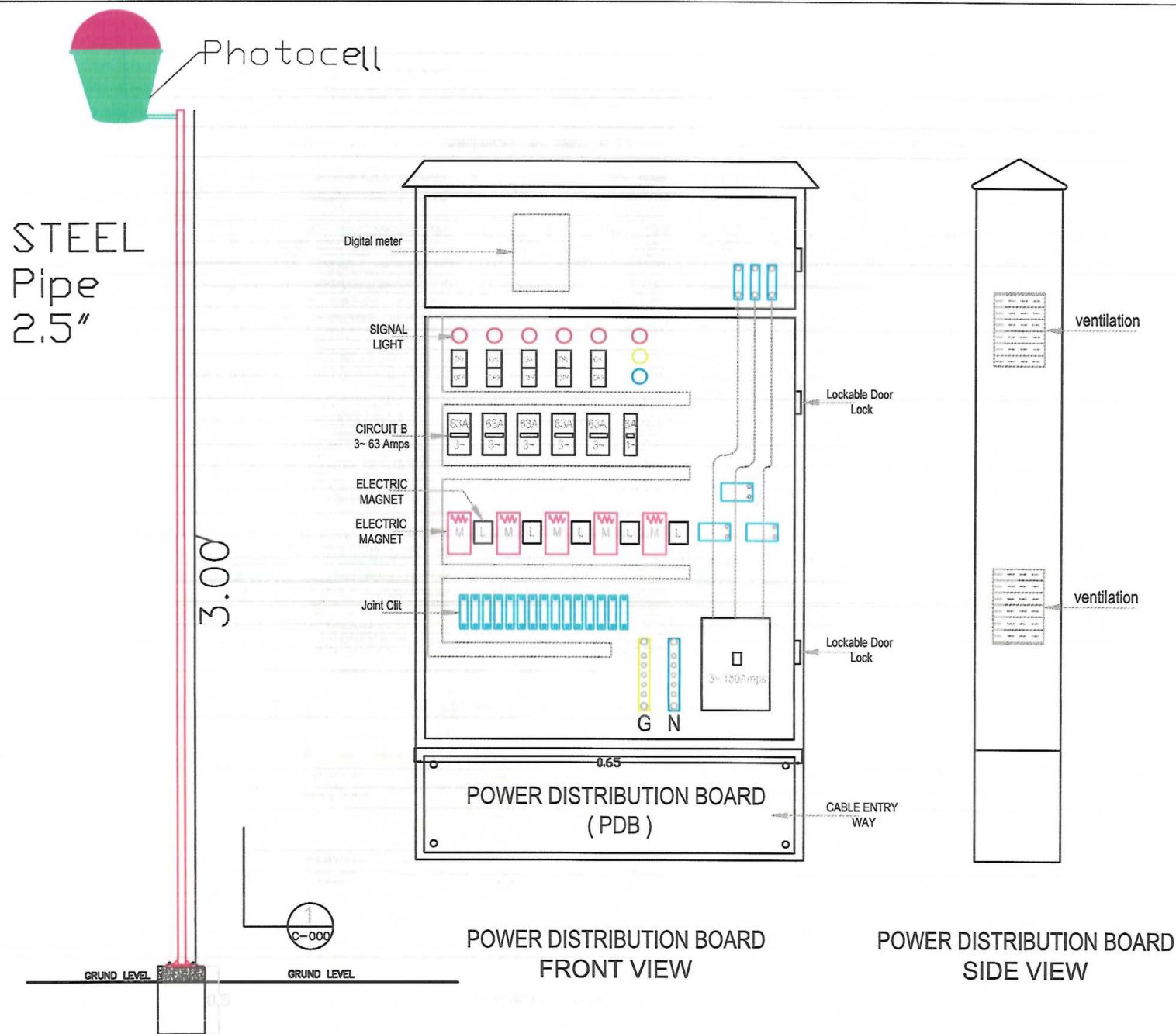
FINEL
DESIGN

Project Code

SHEET
E-W-04

PAGE NO
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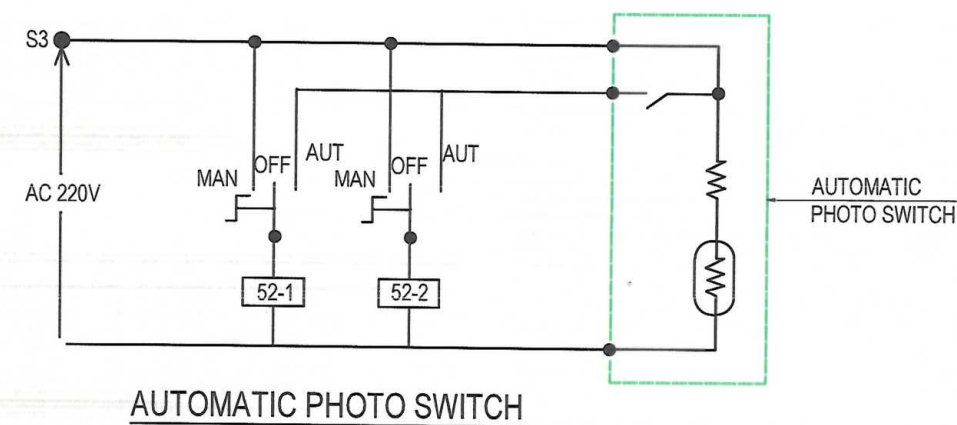
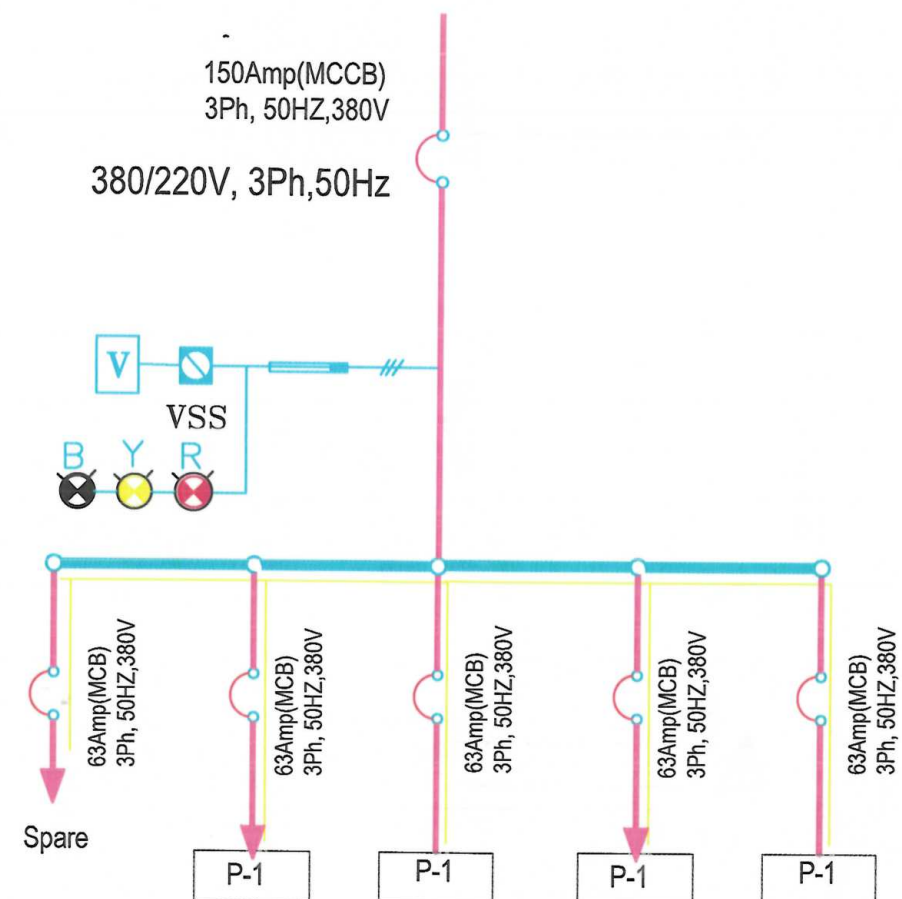
REVISION
01



COLORS COD

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

POWER CALCULATION SCHEDULE PLAN



NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Road Hazaria-o-Baghali

Drawing Title:

CONTROL CIRCUIT DIAGRAM

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by: Haniullah Shalizi

Signature:

Signature:

Date: 31 July 2024

Status: FINEL DESIGN

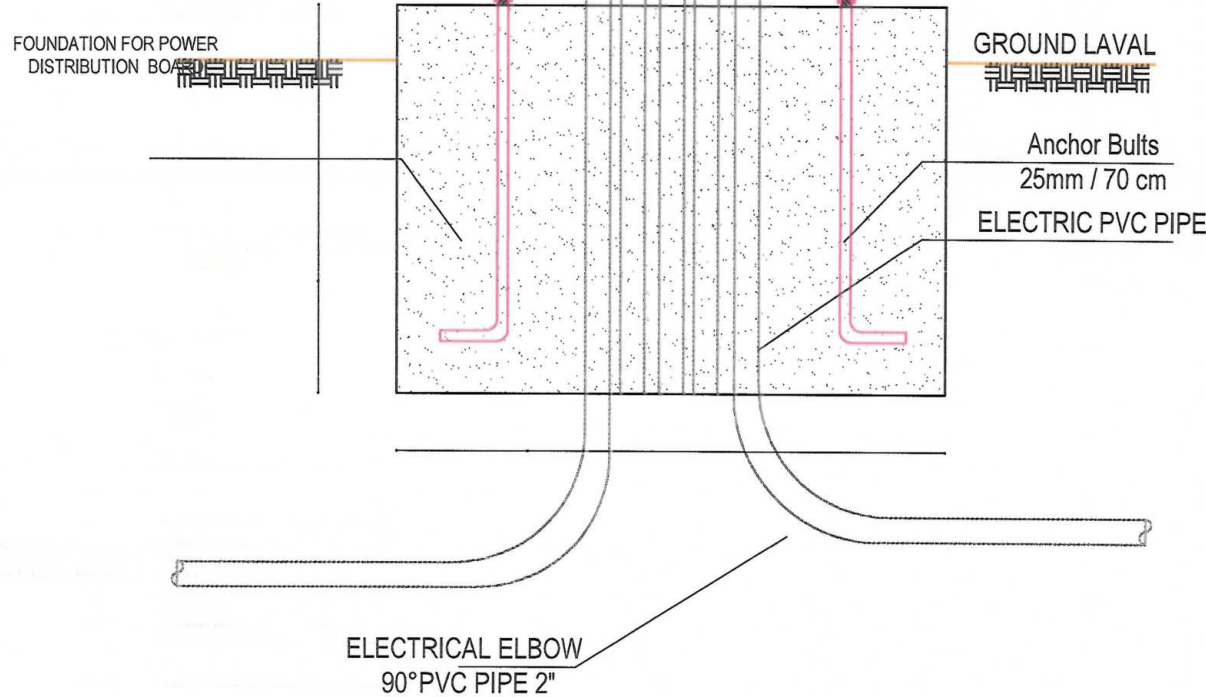
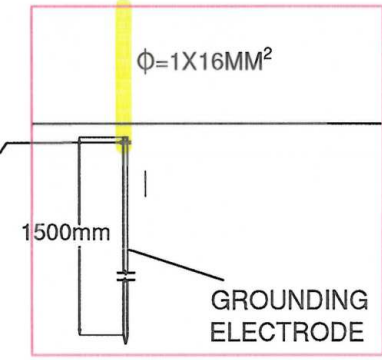
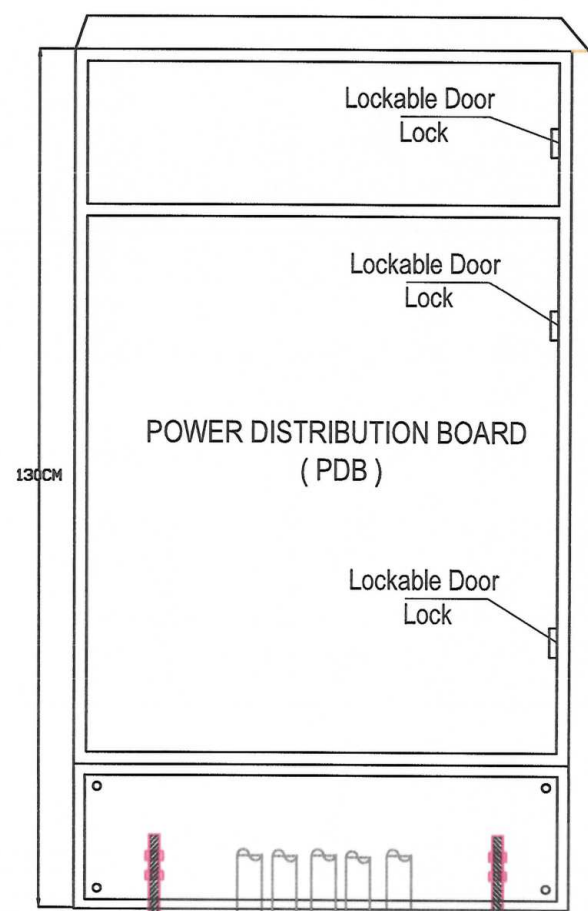
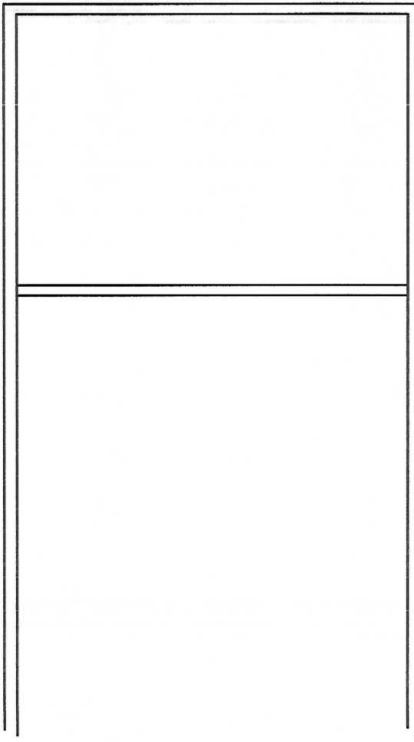
Project Code:

SHEET C-C-D-01

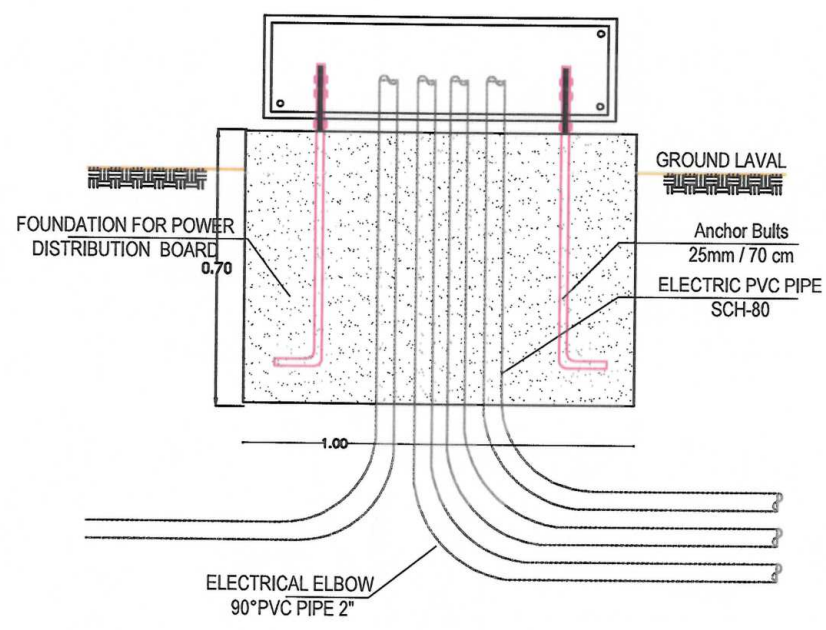
PAGE NO 01

REVISION 01

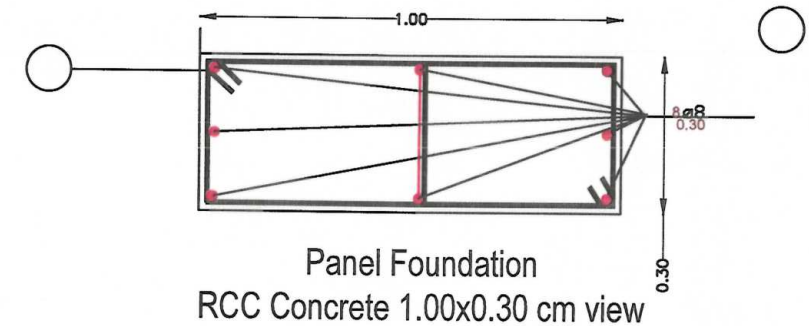
Angle = (40 X 40 X3)MM



ELECTRICAL PANEL FRONT ELEVATION



ELECTRICAL PANEL FRONT ELEVATION



NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY: KABUL MUNICIPALITY DESIGN TEAM

PROJECT NAME: Construction of Road Hazara-e-Baghal

DRAWING TITLE: ELECTRIC POLE DISTRIBUTION BOARD

DRAWN: Jamalulha Nazari

SIGNATURE: [Signature]

CHECKED BY: Hasibullah Shalizi

SIGNATURE: [Signature]

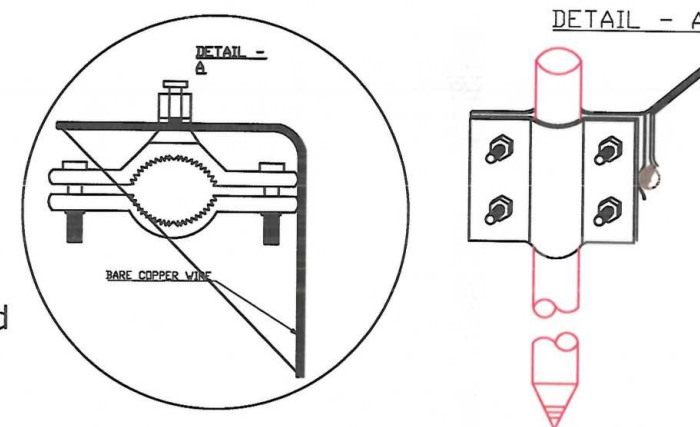
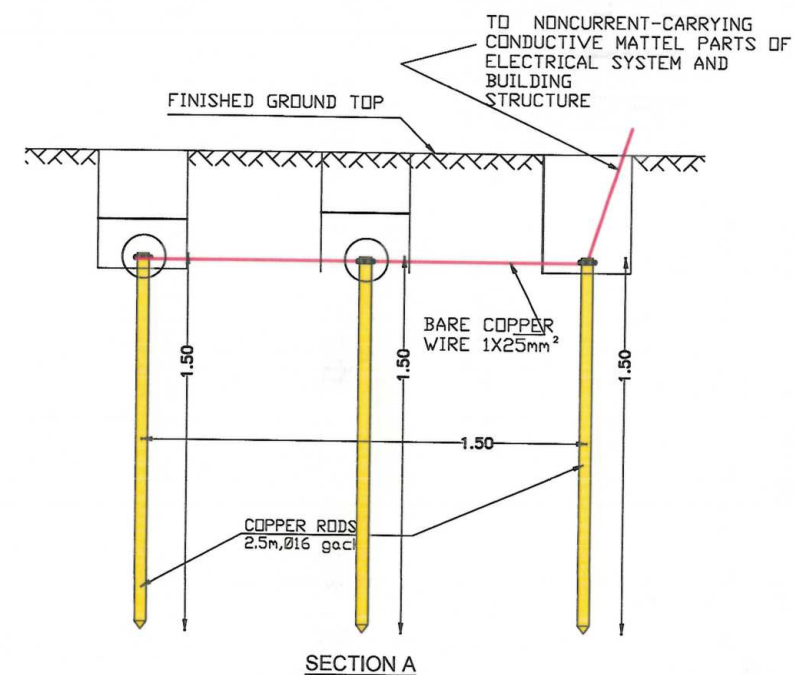
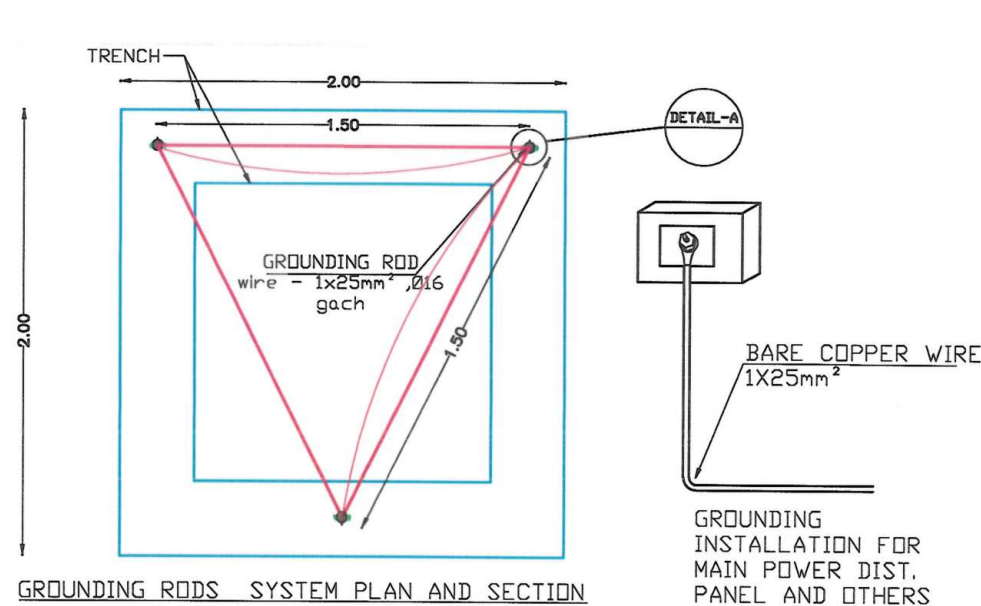
APPROVED BY: [Signature]

DATE: 31 July 2024

STATUS: FINEL DESIGN

PROJECT CODE:

SHEET	PAGE NO	REVISION
E-P-D-B-01	01	01



1. resistivity OF land must be less than 5 Ohm, National Electric Safety Code rule 96.8 and NEC 250.56 (Loresco grid resistance calculator)
2. Grounding rods shall be free from nonconducting coatings such as paint or enamel. NEC 250.43 (a).
3. Depth of the grid is 0.8 m. NEC 250.53 (F).
4. Spacing of driving rods is 1.50m, 2.2 times the rod length.
5. Grounding rod length and diameter is in compliance With NEC 250.52 (5). {L=2.5m (8") & dia.=1.6 cm (5/8")}
6. Non conductive Metal parts of electrical system in a building or structure must be connected to earth for the purpose of limiting the voltage imposed by lightning, line surges, or in intentional contact With high voltage lines, by shunting the energy to the ground.
7. Different type of clamp are available in local market even special type Will be provided up on the request of contractors.

NOTE:

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of Road Hazaria-e-Baghlan

Drawing Title:

ELECTRICAL GROUNDING

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date: 6 August 2024

Status: FINEL DESIGN

Project Code:

SHEET E-G-01

PAGE NO 01

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 2.2% or less when supplying 3.7 amps for 2296.5 feet on a 380 volt system.

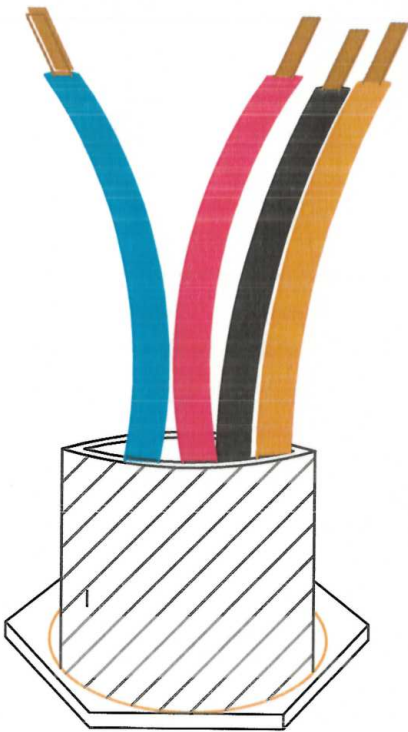
For Engineering Information Only:

5.2 Amps Rated ampacity of selected conductor in selected length.

1.1Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

6.08 Actual voltage drop loss at 2.2% for the circuit



Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a Copper conductor will limit the voltage drop to 2.2% or less when supplying 3.7 amps for 2296.5 feet on a 380 volt system.

For Engineering Information Only:


5.2 Amps Rated ampacity of selected conductor in selected length.

1.1Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

6.08 Actual voltage drop loss at 2.2% for the circuit


NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Project Name:

Construction of Road Hazaria-e-Baghal

Drawing Title:

VOLTAGE LOSSES

Drawn: Jamalulha Nazari	Signature:
Designed: Jamalulha Nazari	Signature:
Checked by: Hasibullah Shalizi	Signature:
	Signature:
Approved by:	Signature:

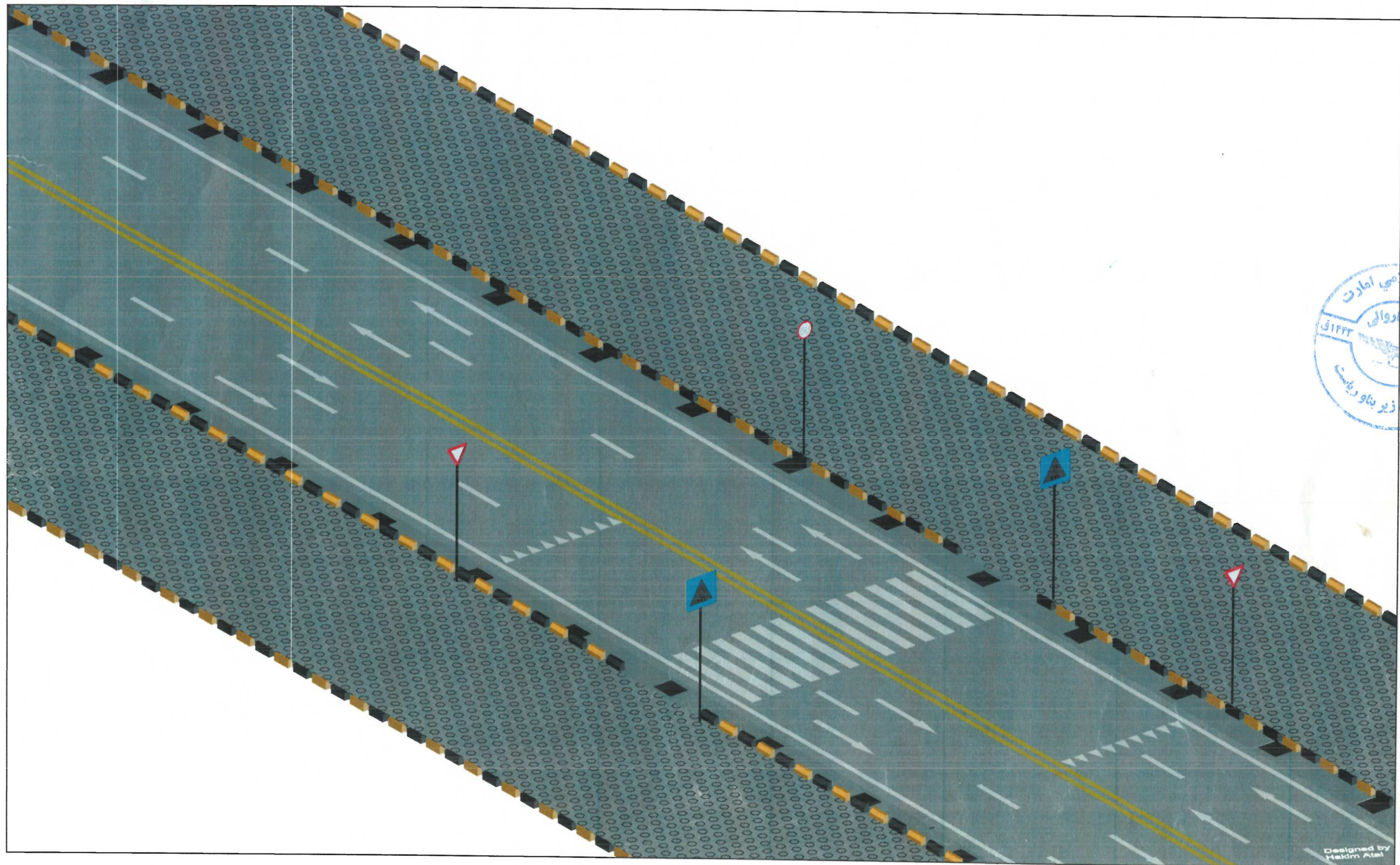
Date: 6 August 2024

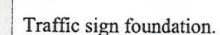
Status: FINEL
DESIGN

Project Code:

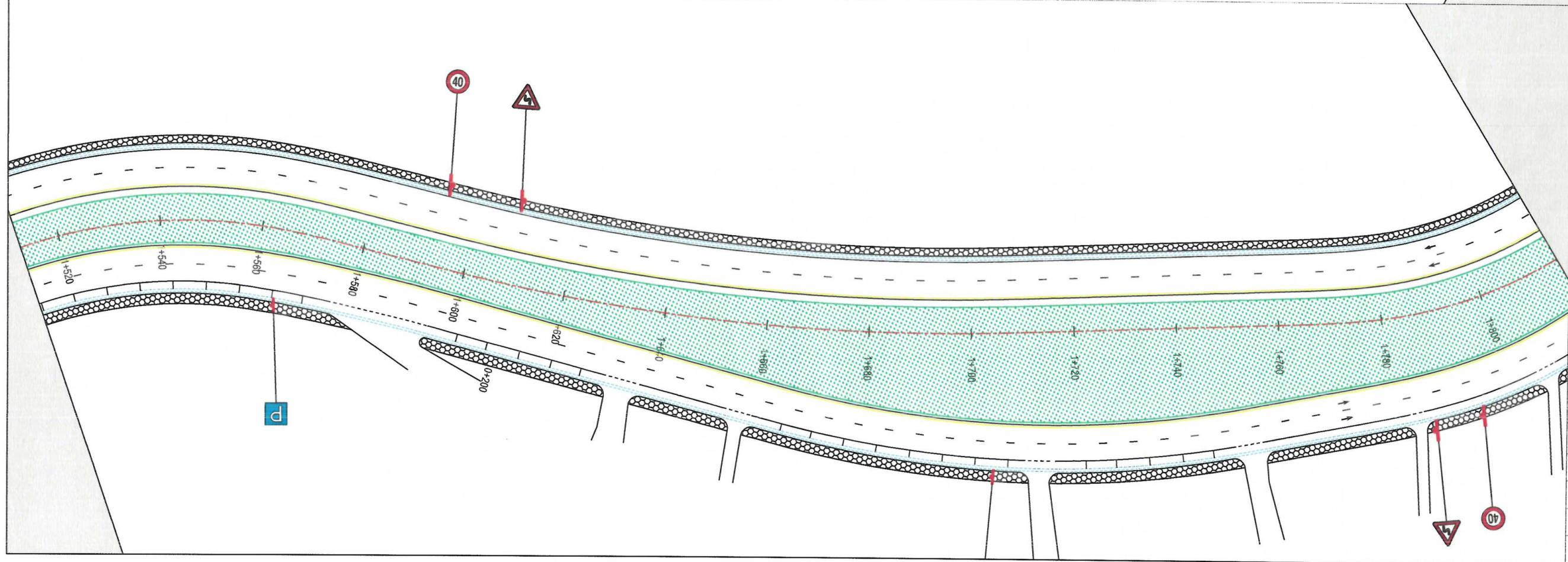
SHEET V-L-01	PAGE NO 01	REVISION 01
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ROAD MARKING & SIGNAGE SECTION

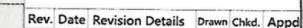




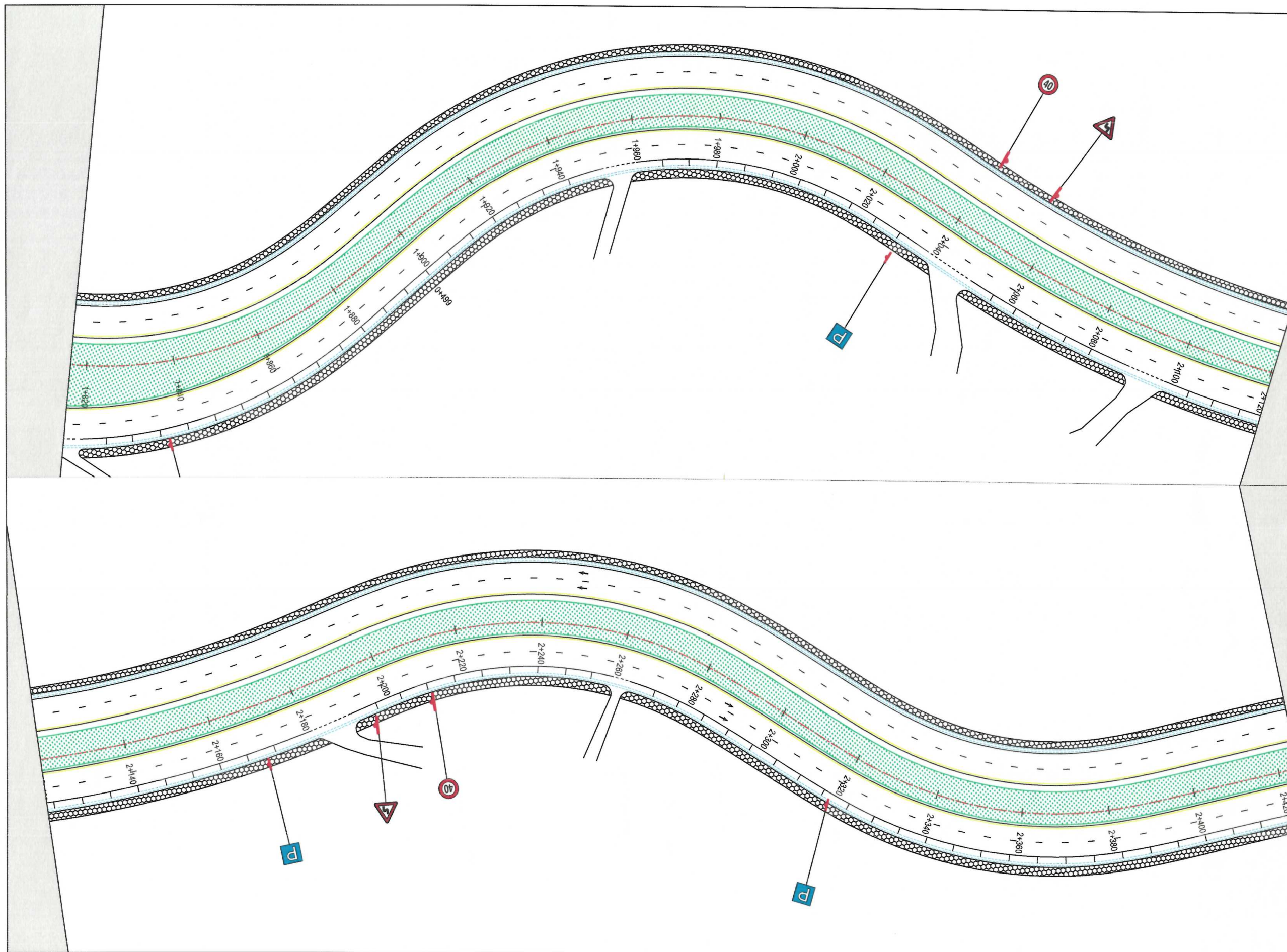
Revision



Traffic sign foundation.

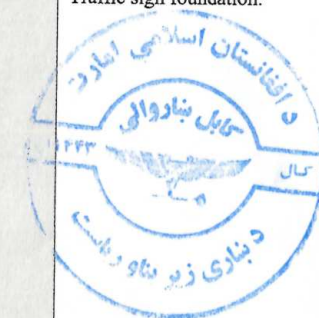


Revision	01
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NOTE:
- All dimensions are in meter unless mentioned.

LEGEND:
Side ditch line.
Center line.
Solid line white.
Solid line Yellow.
Broken line.
Dotted line.
Road Edge
Sidewalk.
Green area.
Bollard.
Traffic sign foundation.



Rev. Date Revision Details Drawn Chkd. Appd

ISLAMIC
IMARAT OF
AFGHANISTAN

KABUL
MUNICIPALITY

Design Consultant:

URBAN INFRASTRUCTURES DIRECTORATE

Project Name:

HAZARE BAGHAL ROAD PROJECT

Drawing Title:

Road Marking

Drawn/Designed:

Mohammad Mahdi Rafat

Signature:

Checked:

Shafullah Stoman

Signature:

Checked:

Shamsullah Najafi

Signature:

Date:

09/02/2024

Status:

FINAL DESIGN

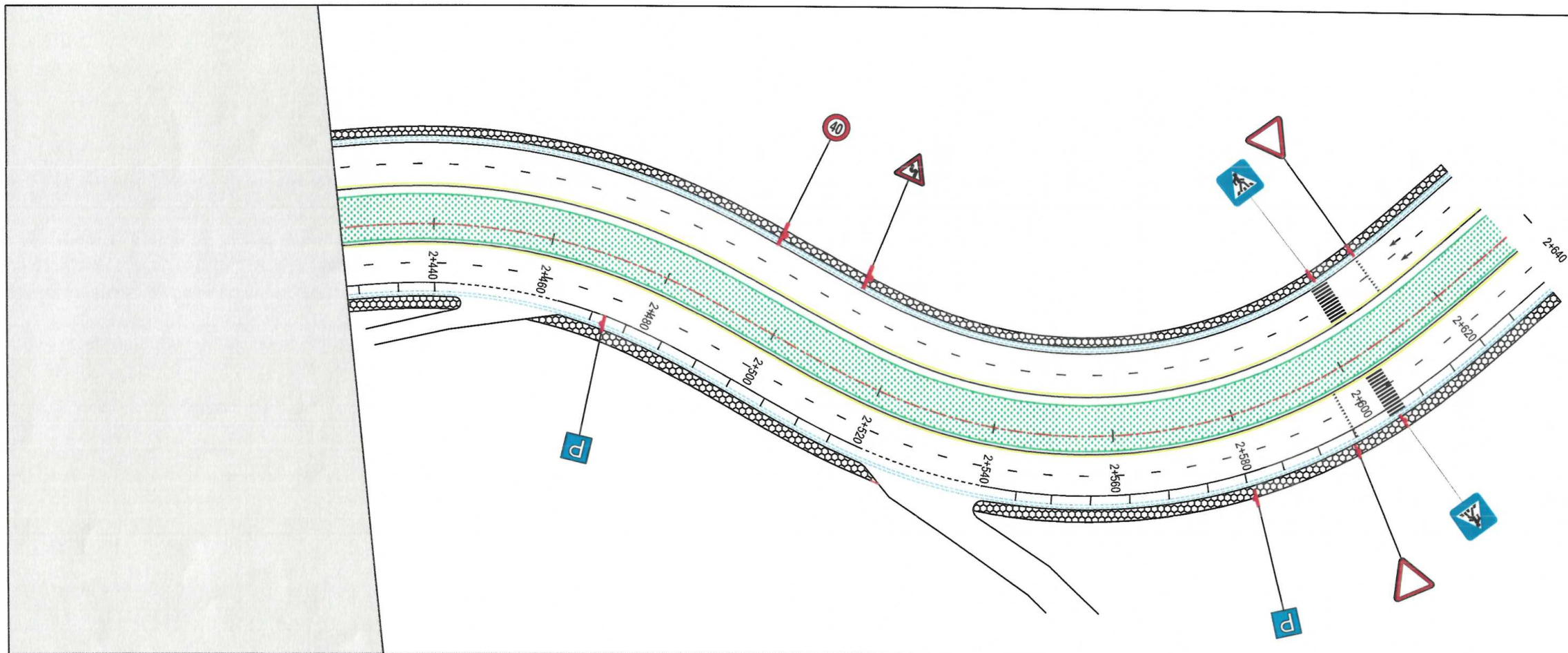
Project Code

Drawing Number

4

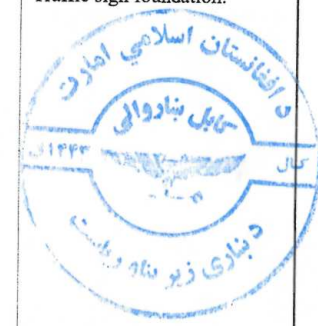
Revision





01



NOTE:
- All dimensions are in meter unless mentioned.

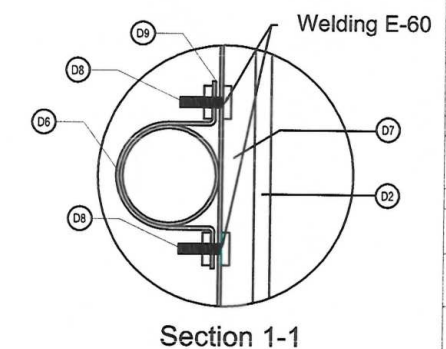
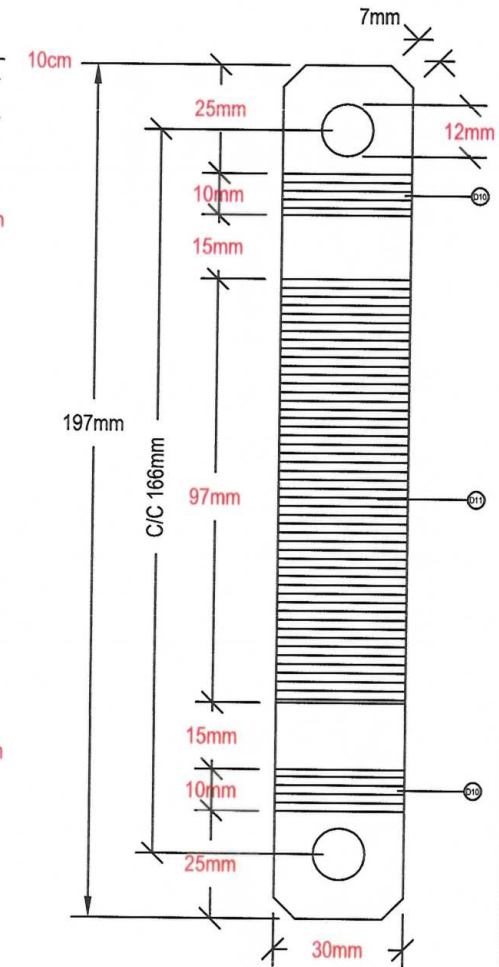
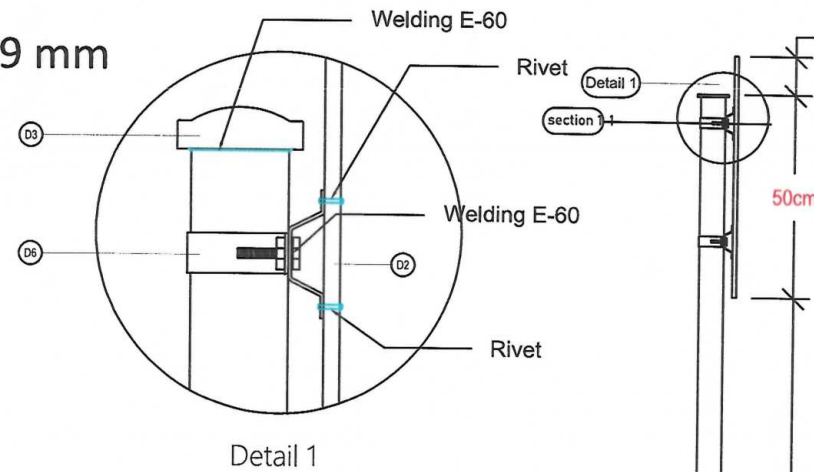
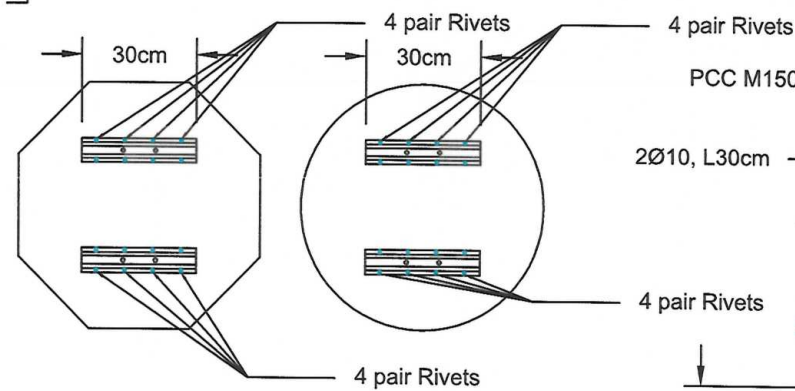
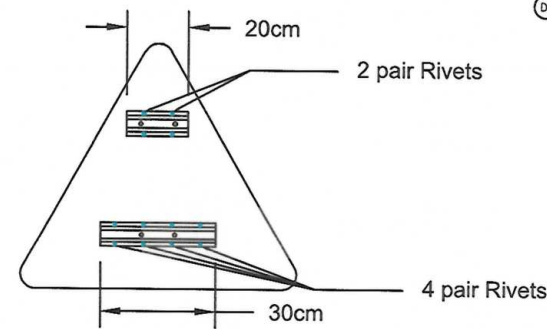
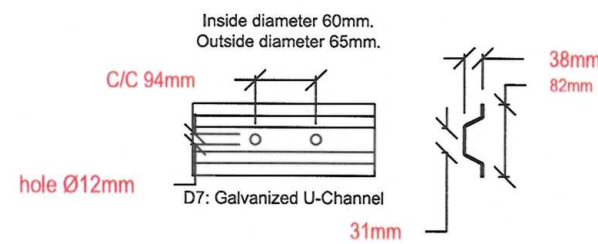
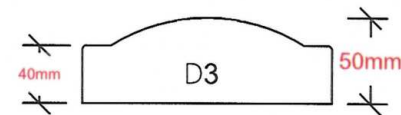
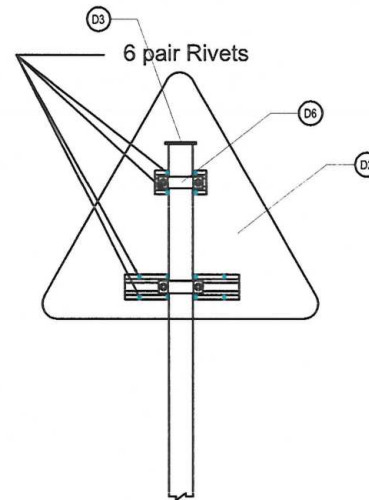
- LEGEND:
- Side ditch line.
 - Center line.
 - Solid line white.
 - Solid line Yellow.
 - Broken line.
 - Dotted line.
 - Road Edge
 - Sidewalk.
 - Green area.
 - Bollard.
 - Traffic sign foundation.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC IMARAT OF AFGHANISTAN					
			KABUL MUNICIPALITY		
Design Consultant:					
URBAN INFRASTRUCTURES DIRECTORATE					
Project Name:					
HAZARE BAGHAL ROAD PROJECT					
Drawing Title:					
Road Marking					
Drawn/Designed:		Signature:			
Mohammad Mahdi Rafat					
Checked:		Signature:			
Shafiuallah Stoman					
Checked:		Signature:			
Shamsullah Najafi					
Date:		Scale:			
8/9/2024					
Status:					
FINAL DESIGN					
Project Code					
Drawing Number			Revision		
5			01		

Required Signages Details.

- D1- Sign post: Galvanized steel pipe $\varnothing 60\text{mm}$ / 2.4" Thickness 2.9 mm
 D2: Sign plate : Aluminum 8 gauge with tolerance $\pm 0.18\text{mm}$
 D3: post caps: to fit pipe size out size diameter 65mm
 D4,5 Reflective Sticker for traffic Signs
 D6: Post clamp thickness 2mm.
 D7: Galvanized U-channel thickness 2mm or weight-2lbs/ft
 D8: Nut bolt size M10(10mm) full thread.
 D9: Space between post clamp and U channel 8mm.
 D10: Fillet R5mm.
 D11: Fillet R30mm.



NOTE:
 - All dimensions are in meter unless mentioned.

LEGEND:
 Side ditch line.
 Center line.
 Solid line white.
 Solid line Yellow.
 Broken line.
 Dotted line.
 Road Edge
 Sidewalk.
 Green area.
 Bollard.
 Traffic sign foundation.



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC IMARAT OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

URBAN INFRASTRUCTURES DIRECTORATE

Project Name:

HAZARE BAGHAL ROAD PROJECT

Drawing Title:

Road Marking

Drawn/Designed: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

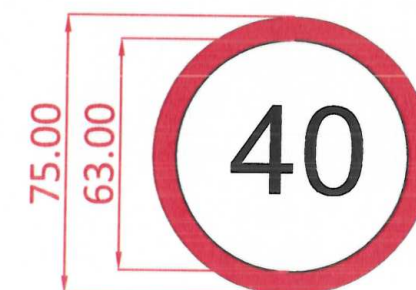
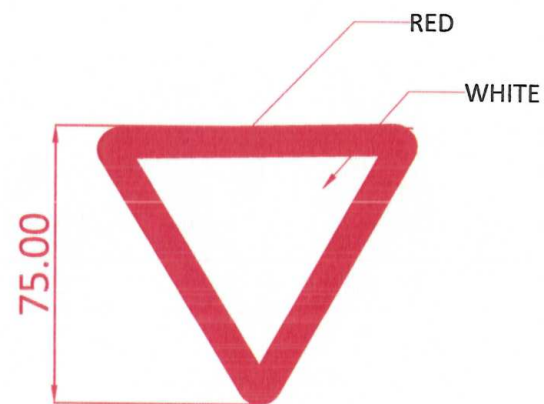
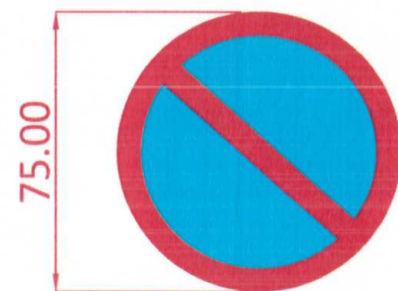
Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:



NOTE:
- All dimensions are in meter unless mentioned.

LEGEND:
Side ditch line.

Center line.

Center line.

Solid line white.

Solid line Yellow.

Broken line.

Dotted line.

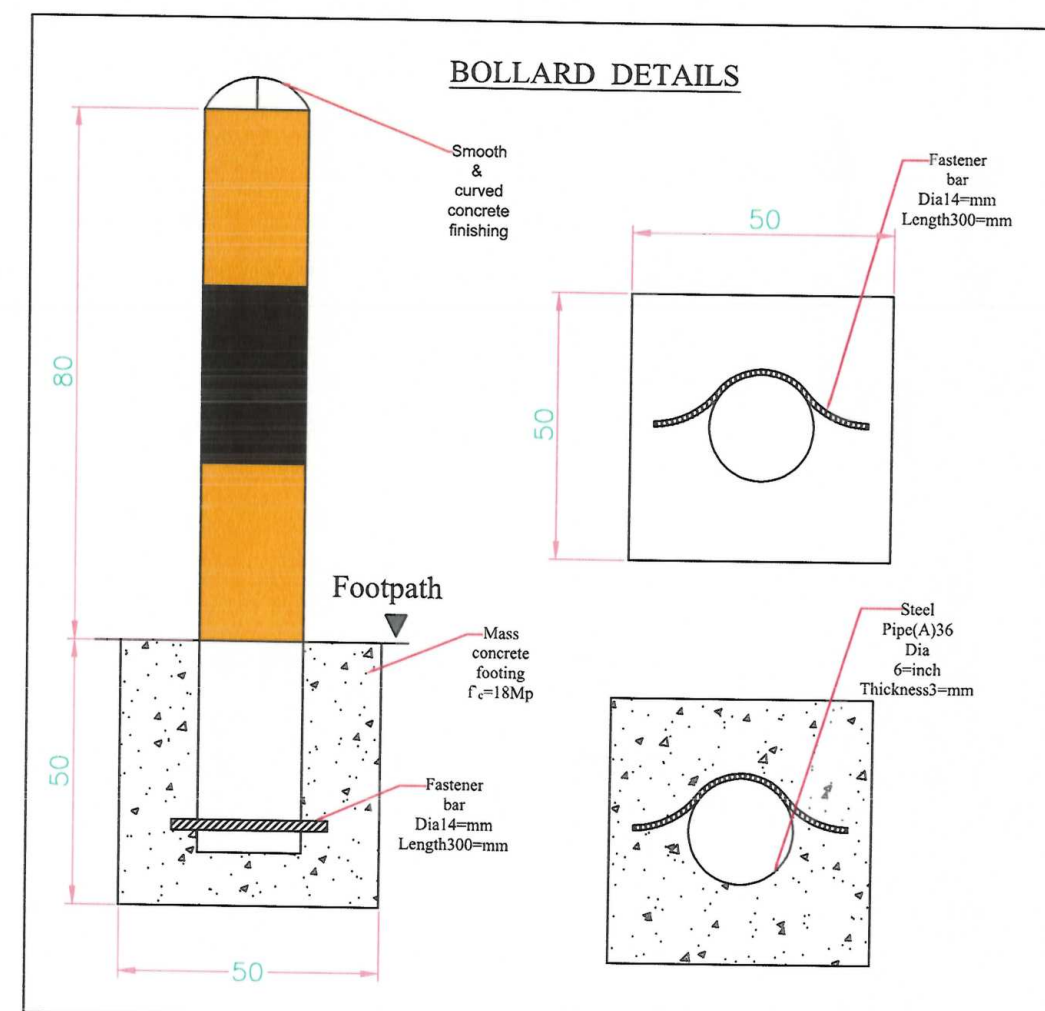
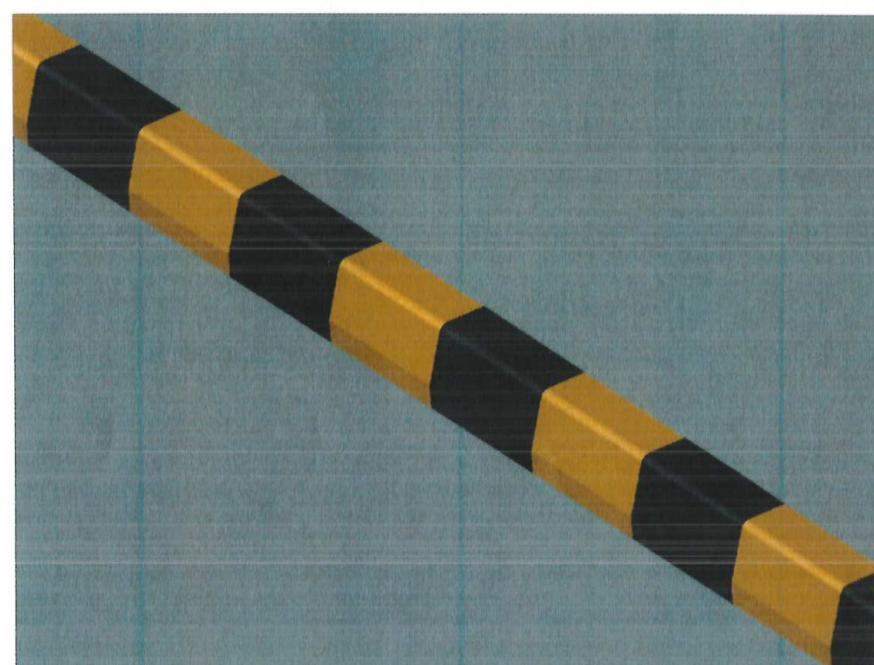
Road Edge

Sidewalk.

Green area.

Bollard.

Traffic sign foundation.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
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ISLAMIC
IMARAT OF
AFGHANISTAN



KABUL
MUNICIPALITY

Design Consultant:

URBAN INFRASTRUCTURES DIRECTORATE

Project Name:

HAZARE BAGHAL ROAD PROJECT

Drawing Title:

Road Marking

Drawn/Designed:

Mohammad Mahdi Ra

Checked:

Shafiullah Stoman

Checked:

Shamsullah Najafi

Date:

9/9/2024

Status:

FINAL DESIGN

Project Code

Drawing Number

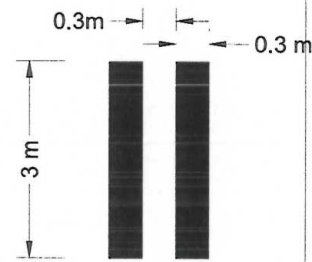
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Drawing Number	Revision
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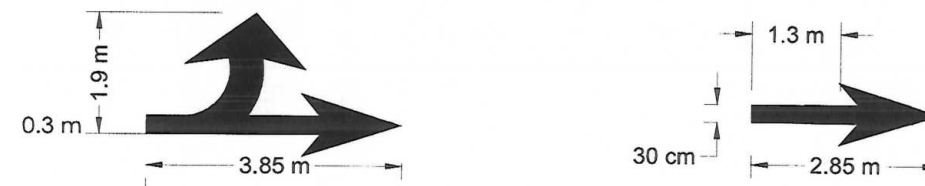
7

TYPICAL DETAIL OF MARKINGS

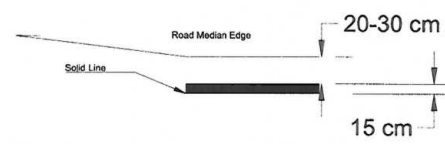
Pedestrian Crossings



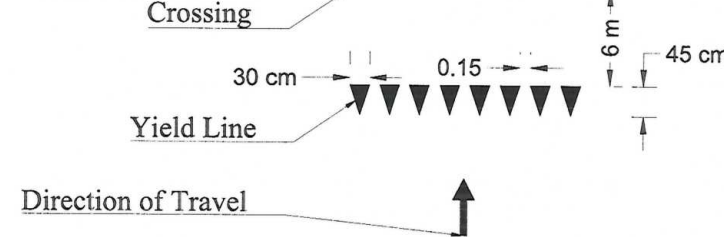
Arrow markings



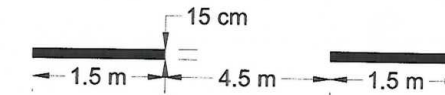
Left Edge Line Yellow marking



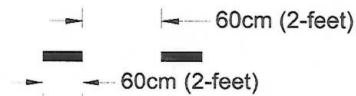
Yield line



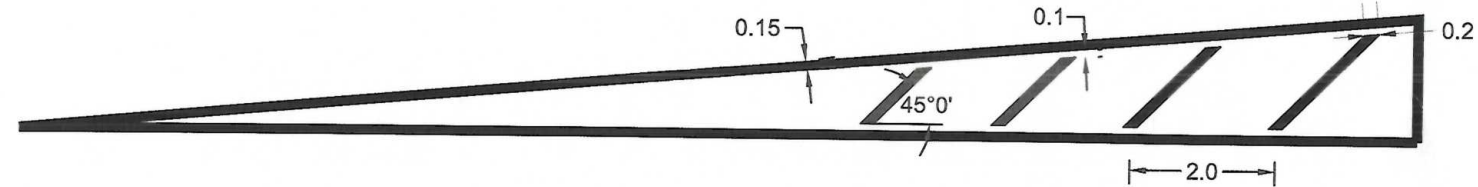
Lane Line Marking (Gap=3x solid line)



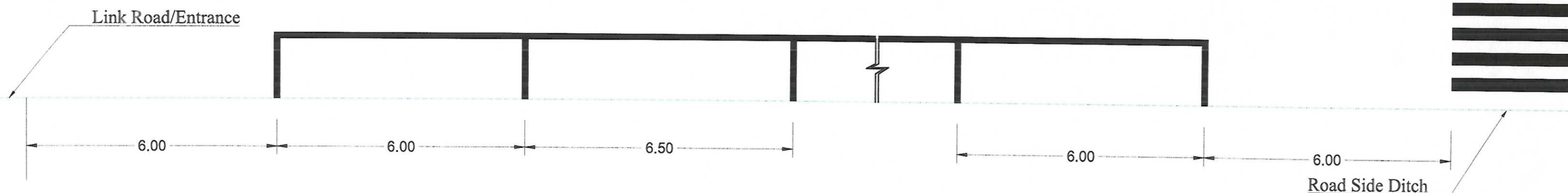
Dotted lane Marking



Chevron Details



Parking Details



Note:

- 1- The first Parking lot should be 6m in length.
- 2- Each middle parking lot should be 6.5m in length.
- 3- Ensure a minimum distance of 6m from the sidewalk or any entrance when applying the road marking. (In some cases follow the road marking as per design)

NOTE:
- All dimensions are in meter unless mentioned.

LEGEND:
Side ditch line.
Center line.
Solid line white.
Solid line Yellow.
Broken line.
Dotted line.
Road Edge
Sidewalk.
Green area.
Bollard.
Traffic sign foundation.



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC
IMARAT OF
AFGHANISTAN

KABUL
MUNICIPALITY

Design Consultant:

URBAN INFRASTRUCTURES DIRECTORATE

Project Name:

HAZARE BAGHAL ROAD PROJECT

Drawing Title:

Road Marking

Drawn/Designed: Signature:

Checked: Signature:

Checked: Signature:

Checked: Signature:

Date: 9/9/2024

Status: FINAL DESIGN

Project Code

Drawing Number 8

Revision 01

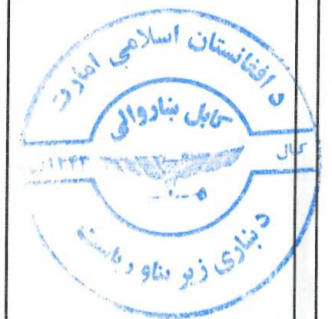
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0+020.00	3,827,927.7607m	511,596.5202m
0+040.00	3,827,928.9766m	511,576.5572m
0+060.00	3,827,930.1925m	511,556.5942m
0+080.00	3,827,931.4083m	511,536.6311m
0+100.00	3,827,932.6242m	511,516.6681m
0+120.00	3,827,933.8401m	511,496.7051m
0+140.00	3,827,935.0559m	511,476.7421m
0+160.00	3,827,936.2718m	511,456.7791m
0+180.00	3,827,937.4877m	511,436.8161m
0+200.00	3,827,938.7035m	511,416.8531m
0+220.00	3,827,939.9194m	511,396.8901m
0+240.00	3,827,941.1353m	511,376.9271m
0+260.00	3,827,942.3512m	511,356.9641m
0+280.00	3,827,943.5670m	511,337.0011m
0+300.00	3,827,944.7829m	511,317.0381m
0+320.00	3,827,945.9988m	511,297.0751m
0+340.00	3,827,947.2146m	511,277.1120m
0+360.00	3,827,948.4305m	511,257.1490m
0+380.00	3,827,949.6464m	511,237.1860m
0+400.00	3,827,950.8623m	511,217.2230m
0+420.00	3,827,952.0781m	511,197.2600m
0+440.00	3,827,953.2940m	511,177.2970m
0+460.00	3,827,954.5099m	511,157.3340m
0+480.00	3,827,955.722m	511,137.3721m
0+500.00	3,827,957.9833m	511,117.5034m
0+520.00	3,827,961.8050m	511,097.8773m
0+540.00	3,827,967.1828m	511,078.6195m
0+560.00	3,827,974.0825m	511,059.8530m
0+580.00	3,827,982.4598m	511,041.6979m
0+600.00	3,827,992.2612m	511,024.2704m
0+620.00	3,828,003.3229m	511,007.6109m
0+640.00	3,828,014.6304m	510,991.1143m
0+660.00	3,828,025.9379m	510,974.6176m
0+680.00	3,828,037.2454m	510,958.1209m
0+700.00	3,828,048.4422m	510,941.5499m
0+720.00	3,828,058.7364m	510,924.4064m
0+740.00	3,828,067.9397m	510,906.6534m
0+760.00	3,828,076.0163m	510,888.3603m
0+780.00	3,828,082.9345m	510,869.5984m
0+800.00	3,828,088.6673m	510,850.4411m
0+820.00	3,828,093.1924m	510,830.9630m
0+840.00	3,828,096.7673m	510,811.2855m
0+860.00	3,828,100.2746m	510,791.5954m
0+880.00	3,828,103.7818m	510,771.9053m
0+900.00	3,828,107.2891m	510,752.2153m
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1+000.00	3,828,124.8253m	510,653.7649m

1+020.00	3,828,128.3325m	510,634.0748m
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1+140.00	3,828,152.0004m	510,516.5753m
1+160.00	3,828,160.3830m	510,498.4331m
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1+220.00	3,828,198.7559m	510,452.8285m
1+240.00	3,828,215.1361m	510,441.3701m
1+260.00	3,828,231.8960m	510,430.4565m
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1+340.00	3,828,300.5542m	510,389.4834m
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1+400.00	3,828,355.1381m	510,364.6189m
1+420.00	3,828,373.5821m	510,356.8847m
1+440.00	3,828,392.0261m	510,349.1506m
1+460.00	3,828,410.4702m	510,341.4164m
1+480.00	3,828,429.1543m	510,334.3059m
1+500.00	3,828,448.7285m	510,330.3666m
1+520.00	3,828,468.6952m	510,330.3946m
1+540.00	3,828,488.2583m	510,334.3888m
1+560.00	3,828,506.6379m	510,342.1899m
1+580.00	3,828,523.5248m	510,352.8907m
1+600.00	3,828,540.0807m	510,364.1113m
1+620.00	3,828,557.0096m	510,374.7569m
1+640.00	3,828,574.4494m	510,384.5431m
1+660.00	3,828,592.3565m	510,393.4454m
1+680.00	3,828,610.6862m	510,401.4417m
1+700.00	3,828,629.3926m	510,408.5119m
1+720.00	3,828,648.3650m	510,414.8390m
1+740.00	3,828,667.3782m	510,421.0437m
1+760.00	3,828,686.3914m	510,427.2484m
1+780.00	3,828,705.5713m	510,432.8896m
1+800.00	3,828,725.4052m	510,435.0893m
1+820.00	3,828,745.2122m	510,432.6636m
1+840.00	3,828,763.9270m	510,425.7384m
1+860.00	3,828,780.5419m	510,414.6864m
1+880.00	3,828,794.1719m	510,400.1101m
1+900.00	3,828,805.2246m	510,383.4485m
1+920.00	3,828,816.6216m	510,367.0294m
1+940.00	3,828,830.9202m	510,353.1070m
1+960.00	3,828,847.9880m	510,342.7644m
1+980.00	3,828,866.9474m	510,336.5335m
2+000.00	3,828,886.8231m	510,334.7348m
2+020.00	3,828,906.5995m	510,337.4329m
2+040.00	3,828,925.8058m	510,343.0004m

2+060.00	3,828,945.0853m	510,348.3025m
2+080.00	3,828,964.7226m	510,352.0659m
2+100.00	3,828,984.5979m	510,354.2479m
2+120.00	3,829,004.5839m	510,354.8347m
2+140.00	3,829,024.5530m	510,353.8223m
2+160.00	3,829,044.3772m	510,351.2174m
2+180.00	3,829,063.9299m	510,347.0366m
2+200.00	3,829,083.1873m	510,341.6406m
2+220.00	3,829,102.8363m	510,338.0802m
2+240.00	3,829,122.7777m	510,338.8678m
2+260.00	3,829,142.0289m	510,344.1284m
2+280.00	3,829,159.6053m	510,353.5831m
2+300.00	3,829,175.4546m	510,365.7729m
2+320.00	3,829,191.1745m	510,378.1347m
2+340.00	3,829,208.3030m	510,388.3908m
2+360.00	3,829,227.2656m	510,394.6120m
2+380.00	3,829,247.1423m	510,396.4088m
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2+480.00	3,829,345.4785m	510,400.9944m
2+500.00	3,829,363.0621m	510,410.5131m
2+520.00	3,829,380.7211m	510,419.8840m
2+540.00	3,829,399.7390m	510,425.9193m
2+560.00	3,829,419.6462m	510,427.2506m
2+580.00	3,829,439.2960m	510,423.7927m
2+600.00	3,829,457.5528m	510,415.7456m
2+620.00	3,829,473.6126m	510,403.8689m
2+640.00	3,829,488.6283m	510,390.6582m
2+660.00	3,829,503.6158m	510,377.4153m
2+680.00	3,829,518.6033m	510,364.1724m
2+700.00	3,829,533.5908m	510,350.9295m
2+720.00	3,829,548.5783m	510,337.6865m
2+740.00	3,829,563.5658m	510,324.4436m

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

LEGENDS



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Hazar-e-baghal (315) road project

Drawing Title:
Typical Cross-section & Details

Drawn by: Abdul Hadi	Signature:
Designed by: Abdul Hadi	Signature:
Reviewed by: Hasibullah "Shalizi"	Signature:
Approved by:	Signature:

Date: 9/10/2024	Scale:
--------------------	--------

Status:

Project Code:

SHEET NO. XYZ_315	Revision 01
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Station	Elevation	Location
0+820.00	1,907.335m	PVI
0+840.00	1,908.952m	
0+860.00	1,910.570m	
0+880.00	1,912.187m	
0+894.99	1,913.399m	PVC
0+900.00	1,913.807m	
0+920.00	1,915.500m	
0+940.00	1,917.292m	
0+942.62	1,917.534m	Sag
0+960.00	1,919.185m	
0+980.00	1,921.177m	
0+990.25	1,922.236m	PVT
1+000.00	1,923.257m	
1+020.00	1,925.351m	
1+040.00	1,927.444m	
1+060.00	1,929.538m	
1+080.00	1,931.632m	
1+100.00	1,933.725m	
1+120.00	1,935.819m	
1+140.00	1,937.912m	
1+160.00	1,940.006m	
1+180.00	1,942.100m	
1+200.00	1,944.193m	
1+220.00	1,946.287m	
1+240.00	1,948.380m	
1+260.00	1,950.474m	
1+280.00	1,952.567m	
1+300.00	1,954.661m	
1+305.30	1,955.216m	PVC
1+320.00	1,956.724m	
1+332.40	1,957.948m	Crest
1+340.00	1,958.676m	
1+359.51	1,960.471m	PVT
1+360.00	1,960.514m	
1+380.00	1,962.298m	
1+400.00	1,964.082m	
1+420.00	1,965.866m	
1+440.00	1,967.650m	
1+460.00	1,969.434m	
1+480.00	1,971.217m	
1+500.00	1,973.001m	
1+520.00	1,974.785m	
1+540.00	1,976.569m	
1+560.00	1,978.353m	
1+580.00	1,980.136m	
1+600.00	1,981.920m	
1+603.08	1,982.195m	PVC
1+620.00	1,983.633m	
1+640.00	1,985.147m	
1+656.95	1,986.274m	Crest
1+660.00	1,986.462m	

1+680.00	1,987.576m	
1+700.00	1,988.491m	
1+710.83	1,988.903m	PVT
1+720.00	1,989.227m	
1+726.77	1,989.466m	PVC
1+740.00	1,990.026m	
1+755.36	1,990.911m	Sag
1+760.00	1,991.229m	
1+780.00	1,992.858m	
1+783.94	1,993.230m	PVT
1+800.00	1,994.777m	
1+820.00	1,996.704m	
1+840.00	1,998.631m	
1+860.00	2,000.558m	
1+880.00	2,002.485m	
1+883.83	2,002.853m	PVC
1+899.78	2,004.340m	Crest
1+900.00	2,004.359m	
1+915.74	2,005.724m	PVT
1+920.00	2,006.081m	
1+940.00	2,007.752m	
1+960.00	2,009.424m	
1+967.89	2,010.083m	PVC
1+980.00	2,011.103m	
2+000.00	2,012.819m	
2+020.00	2,014.575m	
2+030.57	2,015.519m	Sag
2+040.00	2,016.371m	
2+060.00	2,018.207m	
2+080.00	2,020.083m	
2+093.25	2,021.348m	PVT
2+100.00	2,021.997m	
2+120.00	2,023.919m	
2+140.00	2,025.841m	
2+160.00	2,027.764m	
2+164.54	2,028.201m	PVC
2+180.00	2,029.567m	
2+190.84	2,030.382m	Crest
2+200.00	2,030.980m	
2+217.13	2,031.873m	PVT
2+220.00	2,031.998m	
2+240.00	2,032.868m	
2+260.00	2,033.739m	
2+273.30	2,034.318m	PVC
2+280.00	2,034.625m	
2+300.00	2,035.718m	
2+307.06	2,036.167m	Sag
2+320.00	2,037.078m	
2+340.00	2,038.705m	
2+340.81	2,038.776m	PVT
2+360.00	2,040.475m	
2+380.00	2,042.246m	

2+400.00	2,044.017m	
2+406.13	2,044.559m	PVC
2+420.00	2,045.714m	
2+440.00	2,047.117m	
2+460.00	2,048.213m	
2+480.00	2,049.001m	
2+500.00	2,049.482m	
2+516.20	2,049.645m	Crest
2+520.00	2,049.654m	
2+540.00	2,049.520m	
2+560.00	2,049.077m	
2+580.00	2,048.327m	
2+600.00	2,047.269m	
2+620.00	2,045.903m	
2+626.26	2,045.412m	PVT
2+640.00	2,044.302m	
2+660.00	2,042.686m	
2+680.00	2,041.070m	
2+700.00	2,039.454m	
2+720.00	2,037.839m	
2+740.00	2,036.223m	

Station	Elevation	Location
0+000.00	1,847.318m	PVI
0+020.00	1,847.916m	
0+032.98	1,848.305m	PVC
0+040.00	1,848.525m	
0+060.00	1,849.260m	
0+066.23	1,849.522m	Sag
0+080.00	1,850.155m	
0+099.47	1,851.181m	PVT
0+100.00	1,851.210m	
0+120.00	1,852.341m	
0+140.00	1,853.472m	
0+160.00	1,854.603m	
0+180.00	1,855.734m	
0+200.00	1,856.865m	
0+220.00	1,857.995m	
0+240.00	1,859.126m	
0+260.00	1,860.257m	
0+264.94	1,860.537m	PVC
0+280.00	1,861.411m	
0+300.00	1,862.642m	
0+320.00	1,863.953m	
0+340.00	1,865.344m	
0+349.95	1,866.065m	Sag
0+360.00	1,866.815m	
0+380.00	1,868.366m	
0+400.00	1,869.997m	
0+420.00	1,871.708m	
0+434.95	1,873.039m	PVT
0+440.00	1,873.497m	
0+460.00	1,875.307m	
0+480.00	1,877.118m	
0+500.00	1,878.929m	
0+520.00	1,880.740m	
0+540.00	1,882.551m	
0+560.00	1,884.362m	
0+580.00	1,886.173m	
0+600.00	1,887.984m	
0+620.00	1,889.794m	
0+640.00	1,891.605m	
0+660.00	1,893.416m	
0+680.00	1,895.227m	
0+700.00	1,897.038m	
0+720.00	1,898.849m	
0+732.52	1,899.982m	PVC
0+740.00	1,900.655m	
0+760.00	1,902.407m	
0+761.77	1,902.560m	Crest
0+780.00	1,904.093m	
0+791.03	1,904.995m	PVT
0+800.00	1,905.719m	
0+820.00	1,907.335m	

0+840.00	1,908.951m	
0+860.00	1,910.567m	
0+880.00	1,912.183m	
0+900.00	1,913.799m	
0+920.00	1,915.414m	
0+940.00	1,917.030m	
0+960.00	1,918.646m	
0+970.73	1,919.513m	PVC
0+980.00	1,920.272m	
1+000.00	1,921.975m	
1+005.73	1,922.479m	Sag
1+020.00	1,923.768m	
1+040.00	1,925.652m	
1+040.73	1,925.722m	PVT
1+060.00	1,927.584m	
1+080.00	1,929.517m	
1+100.00	1,931.449m	
1+120.00	1,933.381m	
1+140.00	1,935.314m	
1+160.00	1,937.246m	
1+180.00	1,939.178m	
1+200.00	1,941.111m	
1+213.27	1,942.393m	PVC
1+220.00	1,943.039m	
1+225.97	1,943.604m	Crest
1+238.68	1,944.783m	PVT
1+240.00	1,944.904m	
1+260.00	1,946.735m	
1+280.00	1,948.566m	
1+300.00	1,950.396m	
1+320.00	1,952.227m	
1+325.56	1,952.736m	PVC
1+340.00	1,954.028m	
1+344.98	1,954.460m	Crest
1+360.00	1,955.719m	
1+364.40	1,956.076m	PVT
1+380.00	1,957.331m	
1+400.00	1,958.940m	
1+420.00	1,960.548m	
1+421.01	1,960.630m	PVC
1+432.62	1,961.604m	Sag
1+440.00	1,962.267m	
1+444.22	1,962.661m	PVT
1+460.00	1,964.153m	
1+480.00	1,966.044m	
1+499.51	1,967.889m	PVC
1+500.00	1,967.936m	
1+520.00	1,969.802m	
1+524.51	1,970.217m	Crest
1+540.00	1,971.622m	
1+549.51	1,972.471m	PVT
1+560.00	1,973.401m	

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

LEGENDS



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Typical Cross-section & Details

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalizi"

Signature:

Approved by:

Signature:

Date:

9/10/2024

Scale:

Status:

Project Code

SHEET NO.

XYZ_315 (2)

Revision

01

1+580.00	1,975.175m	
1+600.00	1,976.949m	
1+620.00	1,978.723m	
1+622.26	1,978.923m	PVC
1+640.00	1,980.375m	
1+656.95	1,981.537m	Crest
1+660.00	1,981.722m	
1+680.00	1,982.762m	
1+691.65	1,983.225m	PVT
1+700.00	1,983.520m	
1+709.62	1,983.860m	PVC
1+720.00	1,984.265m	
1+740.00	1,985.263m	
1+755.36	1,986.223m	Sag
1+760.00	1,986.546m	
1+780.00	1,988.115m	
1+800.00	1,989.970m	
1+801.10	1,990.080m	PVT
1+820.00	1,991.982m	
1+840.00	1,993.996m	
1+860.00	1,996.009m	
1+866.15	1,996.628m	PVC
1+880.00	1,997.984m	
1+891.89	1,999.087m	Crest
1+900.00	1,999.806m	
1+917.64	2,001.281m	PVT
1+920.00	2,001.470m	
1+940.00	2,003.071m	
1+960.00	2,004.672m	
1+980.00	2,006.274m	
1+990.43	2,007.109m	PVC
2+000.00	2,007.884m	
2+020.00	2,009.564m	
2+030.57	2,010.484m	Sag
2+040.00	2,011.323m	
2+060.00	2,013.163m	
2+070.71	2,014.181m	PVT
2+080.00	2,015.074m	
2+100.00	2,016.997m	
2+120.00	2,018.919m	
2+140.00	2,020.841m	
2+160.00	2,022.764m	
2+164.54	2,023.201m	PVC
2+180.00	2,024.567m	
2+190.84	2,025.382m	Crest
2+200.00	2,025.980m	
2+217.13	2,026.873m	PVT
2+220.00	2,026.998m	
2+240.00	2,027.868m	
2+260.00	2,028.739m	
2+268.76	2,029.120m	PVC
2+280.00	2,029.652m	

2+300.00	2,030.806m	
2+307.06	2,031.276m	Sag
2+320.00	2,032.226m	
2+340.00	2,033.913m	
2+345.35	2,034.410m	PVT
2+360.00	2,035.796m	
2+380.00	2,037.688m	
2+389.55	2,038.591m	PVC
2+400.00	2,039.552m	
2+420.00	2,041.239m	
2+423.57	2,041.520m	Crest
2+440.00	2,042.727m	
2+457.59	2,043.870m	PVT
2+458.95	2,043.952m	PVC
2+460.00	2,044.015m	
2+480.00	2,045.079m	
2+500.00	2,045.877m	
2+520.00	2,046.407m	
2+540.00	2,046.671m	
2+560.00	2,046.669m	
2+565.03	2,046.626m	Crest
2+580.00	2,046.399m	
2+600.00	2,045.863m	
2+620.00	2,045.061m	
2+640.00	2,043.991m	
2+660.00	2,042.655m	
2+671.11	2,041.798m	PVT
2+680.00	2,041.079m	
2+700.00	2,039.462m	
2+720.00	2,037.844m	
2+740.00	2,036.227m	

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

LEGENDS



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Hazar-e-baghal (315) road project

Drawing Title:

Typical Cross-section & Details

Drawn by:

Abdul Hadi

Signature:

Designed by:

Abdul Hadi

Signature:

Reviewed by:

Hasibullah "Shalioy"

Signature:

Approved by:

Signature:

Date:

9/10/2024

Scale:

Status:

Project Code

SHEET NO.

XYZ_315 (3)

Revision

01