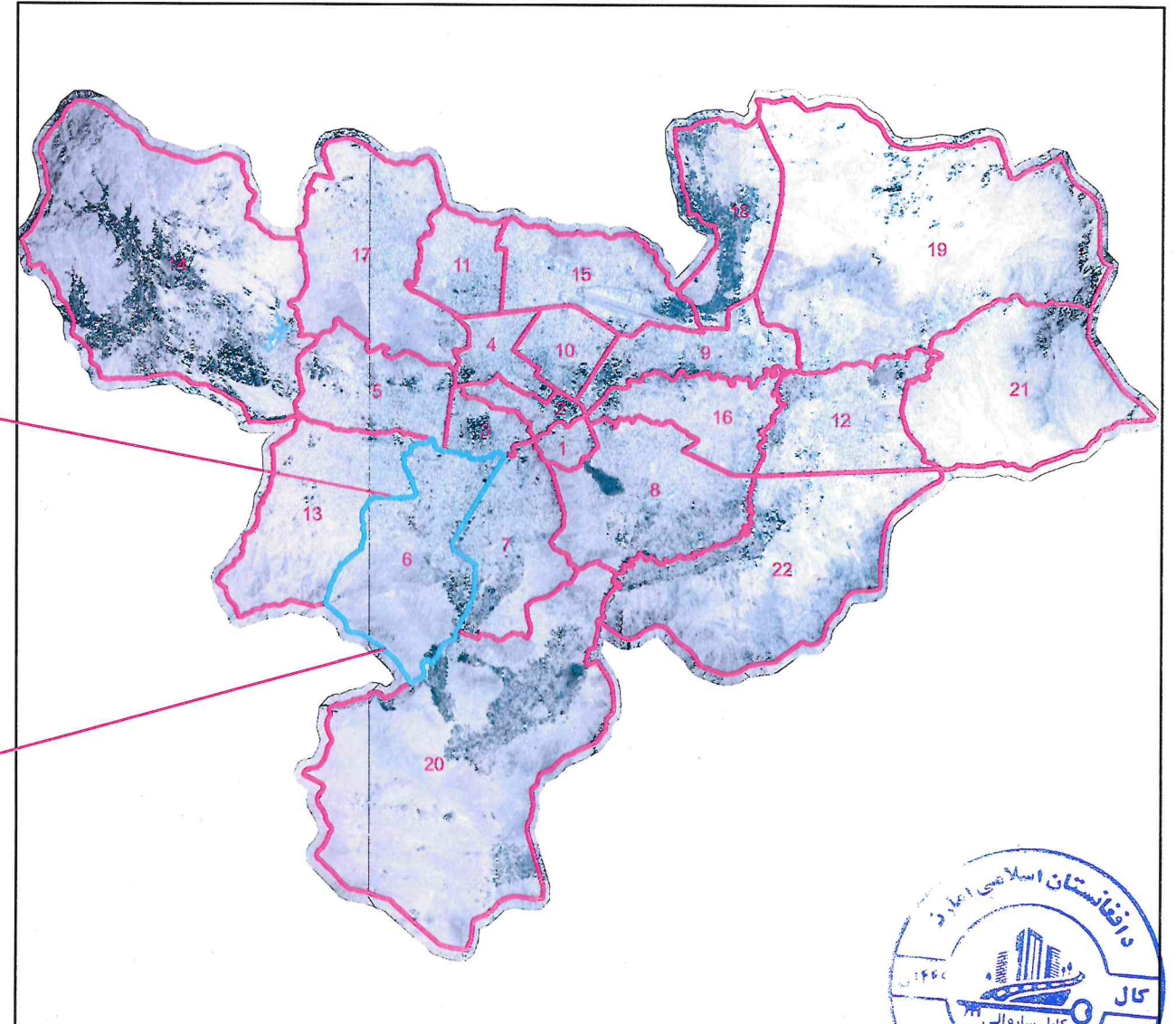


Construction of the road from the Alaudin intersection to Chahar Dehi Road.

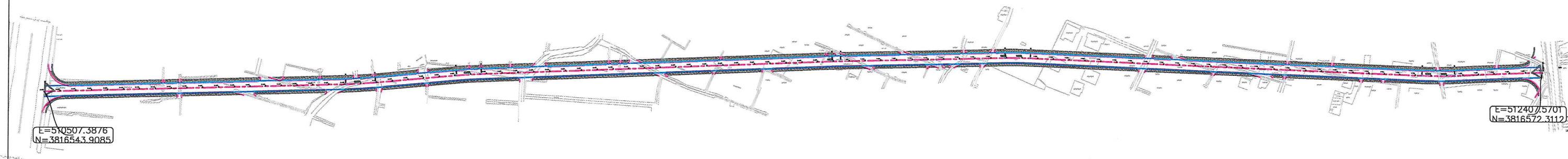
امور ساختمان سرک اعتبار از سرک سه راهی علاوالدين - پل سرخ الی سرک چهاردهی

6th District



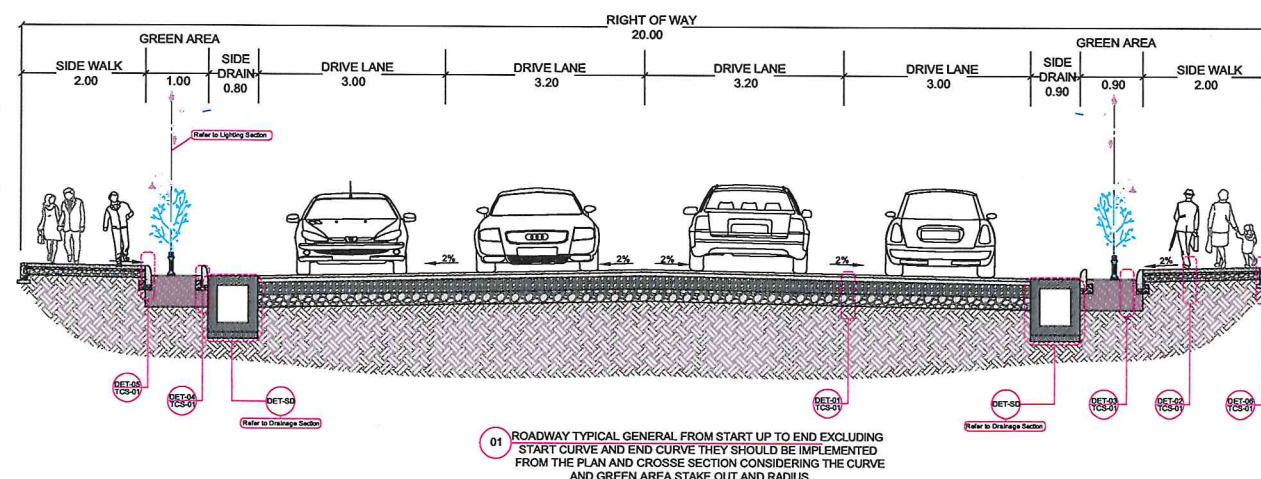


Drawing Content			
Project	Construction of the road from the Alaudin intersection to Chahar Dehi Road		
No	Page	Drawing Title	INCLUDING..
1	COVER PAGE	COVER PAGE	1 SHEET
2	TABLE OF CONTENT	TABLE OF CONTENT	1 SHEET
3	SIGN SHEET	SIGN SHEET	1 SHEET
4	Survey	Survey	6 SHEET
5	DETAILS	DETAILS	1 SHEET
6	TCS	TYPICALS	1 SHEETS
7	PP(1-7)	PLAN & PROFILE	7 HEETS
8	PP(1-15)	DRIANAGE PLAN& PROFILE	15 SHEETS
9	SIDE DRAIN DETIALS	SIDE DRAIN PLAN,SECTIONS& DETAILS	2 SHEETS
10	LINK ROAD DETAILS	LINK ROAD DRAIN PLAN,SECTION AND DETIALS	2 SHEET
11	MARKING SECTION	ROAD MARKING &SINAGE SECTION	10 SHEET
12	LITHING SECTION	STREET LIGHTING SECTION	24 SHEET
13	CS-(1-20)	CROSS SECTION	20 SHEETS
14	DOOR ENTRANCE	DOOR ENTRANCE	1 SHEET
15	WASTBASKET & BENCH	DETAILS OF WASTBASKET AND BENCH	1 SHEET
16	CUT-FIIL-	CUT&FIIL	1 SHEET
17	STAKEOUTE	STAKEOUT REPORT	1 SHEET
18	TOTAL	ALL	95 SHEET



تاریخ شماره ۱۴۳۸ هجری ۱۴۴۶ / ۱۰ / ۱۷ قید آرشیف ریاست زیر بناهای شهری کابل

امور ساختمان سرک اعتبار از سرک سه راهی علاوالدین - پل سرخ الی سرک چهاردهی



نوت:
اسناد تخنیکي پروژه هذا بعد از امضاء سروی کننده ها، ترسیم کننده ها، دیزاین کننده ها، بررسی کننده، تأیید کننده و منظوری مقام محترم شاروالی کابل در این صفحه و همچنین امضاء سروی کننده ها، ترسیم کننده ها، دیزاین کننده ها، بررسی کننده و مهر این ریاست در صفحات بعدی، قابل طی مراحل بعدی بوده و تطبیق میگردد.

تبصره:
1. اسناد تخنیکي پروژه هذا نظر به پلان پروژه های انکشافی بودجه داخلی سال ۱۴۰۴ که تحت نام امور ساختمان سرک اعتبار از سرک سه راهی علاوالدین - پل سرخ الی سرک چهاردهی و با در نظر داشت پلان مسیر سرک که در یک شیت با پلان املای توسط آمریت های پلان گزاری و سروی این ریاست تهیه و قید آرشیف این ریاست میباشد، ترتیب گردیده است

2. در صورتیکه مواد نامناسب در جریان تطبیق پروژه در طبقه سب گرید (Sub grade) رونما گردد باید با مواد مناسب جایگزین شود، که در حصه دور نمودن مواد نامناسب و جایگزینی مواد مناسب و تکمیل نمودن کمپکشن معیاری ساحه، حین قلم (Subgrade preparation) شرکت تطبیق کننده اجراءات بموقع خواهند نمود.

3. مشخصات، نوعیت و فاصله بین درختان و سایر نباتات درهماهنگی با ریاست محترم سرسبزی و حفظ ساحات سبز تعین و در ساحه تطبیق گردد.

4. قرار مشاهده سروی توپوگرافی و اصل ساحه بعضی پایه های برق، تاسیسات و شبکهات کاربری و آبرسانی در مسیر پروژه مذکور قرار دارد. در حصه موقعیت دهی آن طبق قانون، مقررات و تفاهم نامه های منعقد بین ادارات ذیربط اجراءات صورت خواهد گرفت.

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

منظور است:
مقام محترم شاروالی کابل

تایید کننده:
فایق احمد تسلی
ریس زیر بناهای شهری

سروی کننده ها:
نور الرحمن، فرهاد
احمد جمشید و عبدالاحمد

بررسی کننده سروی:
سید عتیق شیرزی
آمر سروی

ترسیم کننده:
محمد علی دولت زاده
نعمت الله شینواری

دیزاین کننده:
محمد علی دولت زاده
نعمت الله شینواری
جمال الله نظری

بررسی کننده دیزاین:
حسین الله شالیزی
آمر دیزاین

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

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	TOP OF DITCH	TD
	BENCH MARK	BM
	CONCRETED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	WALL	WALL
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	TR
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHY POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL ELECTRIC POLE	SEL
	ELECTRIC BOX	EBOX
	CONTOUR	CON
	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل

معینیت ساختمانی

رئیسیت زیربنای شهری

آمریت سروی

نام پروژه:
امور ساختمان سرک اعتبار از سرک سه راهی علاءالدین - پل سرخ الی سرک چهاردهی

نام پلان
سروی توپوگرافی

سروی کننده ها

انجنیر نورالرحمن
انجنیر فرهاد
انجنیر احمد جمشید
انجنیر عبدالاحد

چک کننده

انجنیر محمد رحیم رحیمی
مدیر سروی توپوگرافی

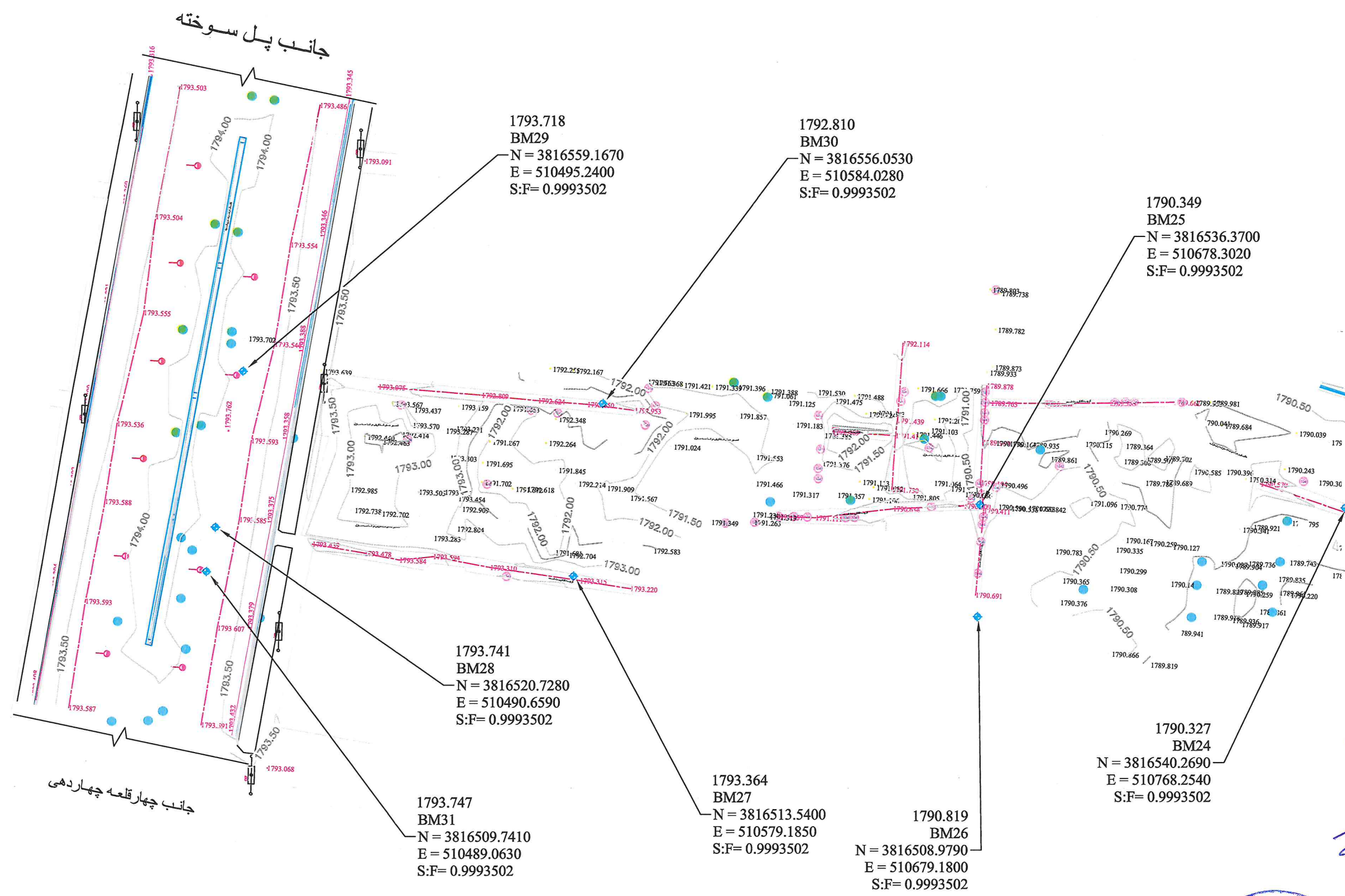
مرور کننده

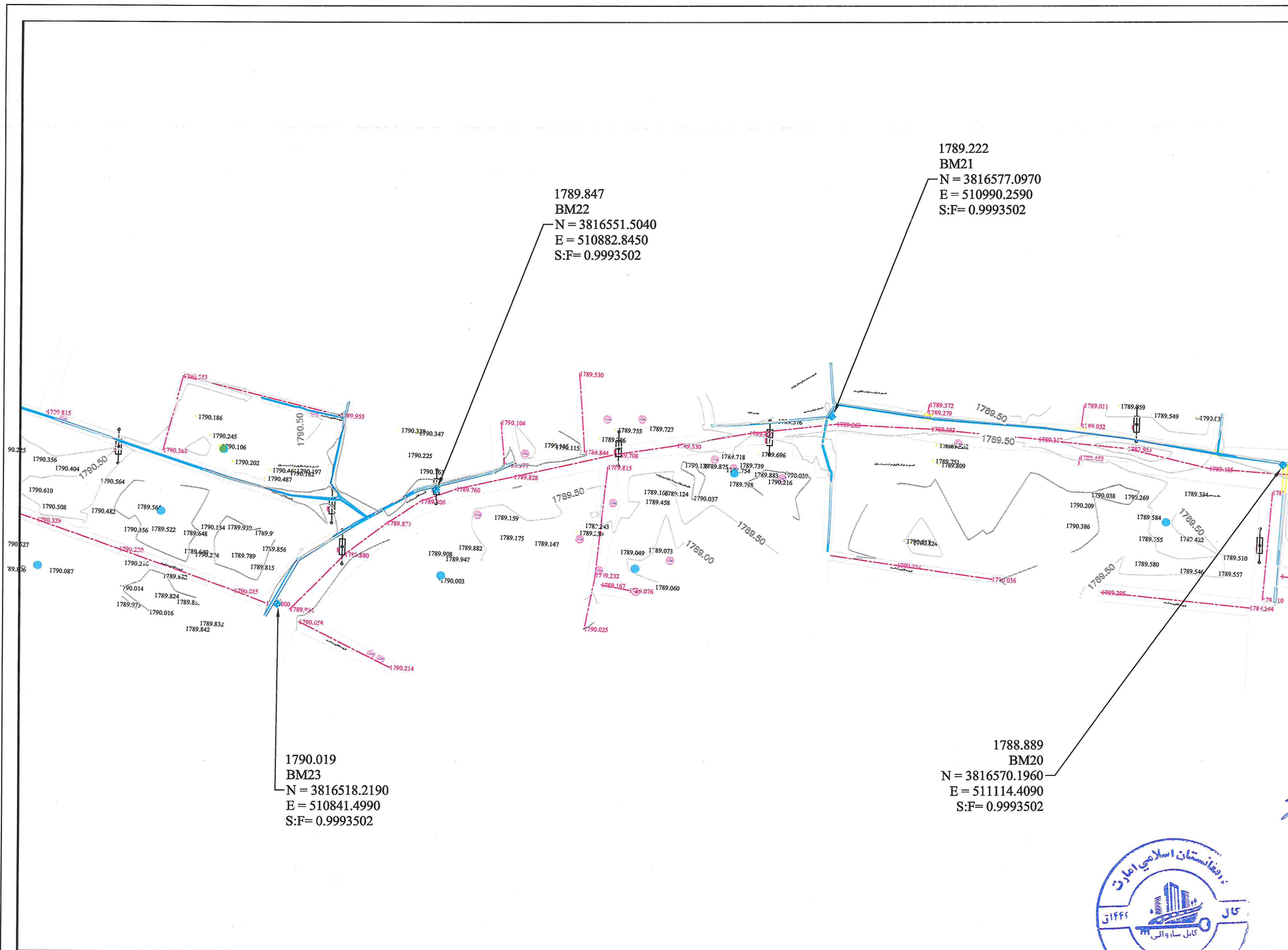
انجنیر مسعود عتیق شمس‌زهی
آمر سروی

DATE: _____ SCALE: 1:1000

PROJECT CODE: _____

DRAWING #: 1 of 6





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NOTE:

1. ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
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---	BUILDING	BL
---	TOP OF CANAL	TCN
---	TOP OF DITCH	TD
+	BENCH MARK	BM
---	CONCRETE ELECTRIC POLE	CEP
---	ROAD EDGE	RE
---	WALL	WALL
---	CEMETERY	CEM
---	EXISTING BRIDGE	BR
---	TREE	TR
---	MASQUE	MSQ
---	HAND PUMP	HP
---	WELL	WELL
+	TOPOGRAPHY POINT	TP
---	CONTAINER	CN
---	CULVERT	TCU
---	STEEL ELECTRIC POLE	SEL
---	ELECTRIC BOX	EBOX
---	CONTOUR	CON
---	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
امور ساختمان سرک اعتبار از سرک
سه راهی علاءالدین - پل سرخ الی
سرک چهاردهی

نام پلان:
سروی توپوگرافی

سروی کننده ها

انجنیر نورالرحمن
انجنیر فرهاد
انجنیر احمد جمشید
انجنیر عبدالاحد

چک کننده

انجنیر محمد رحیم رحیمی
مدیر سروی توپوگرافی

محرور کننده

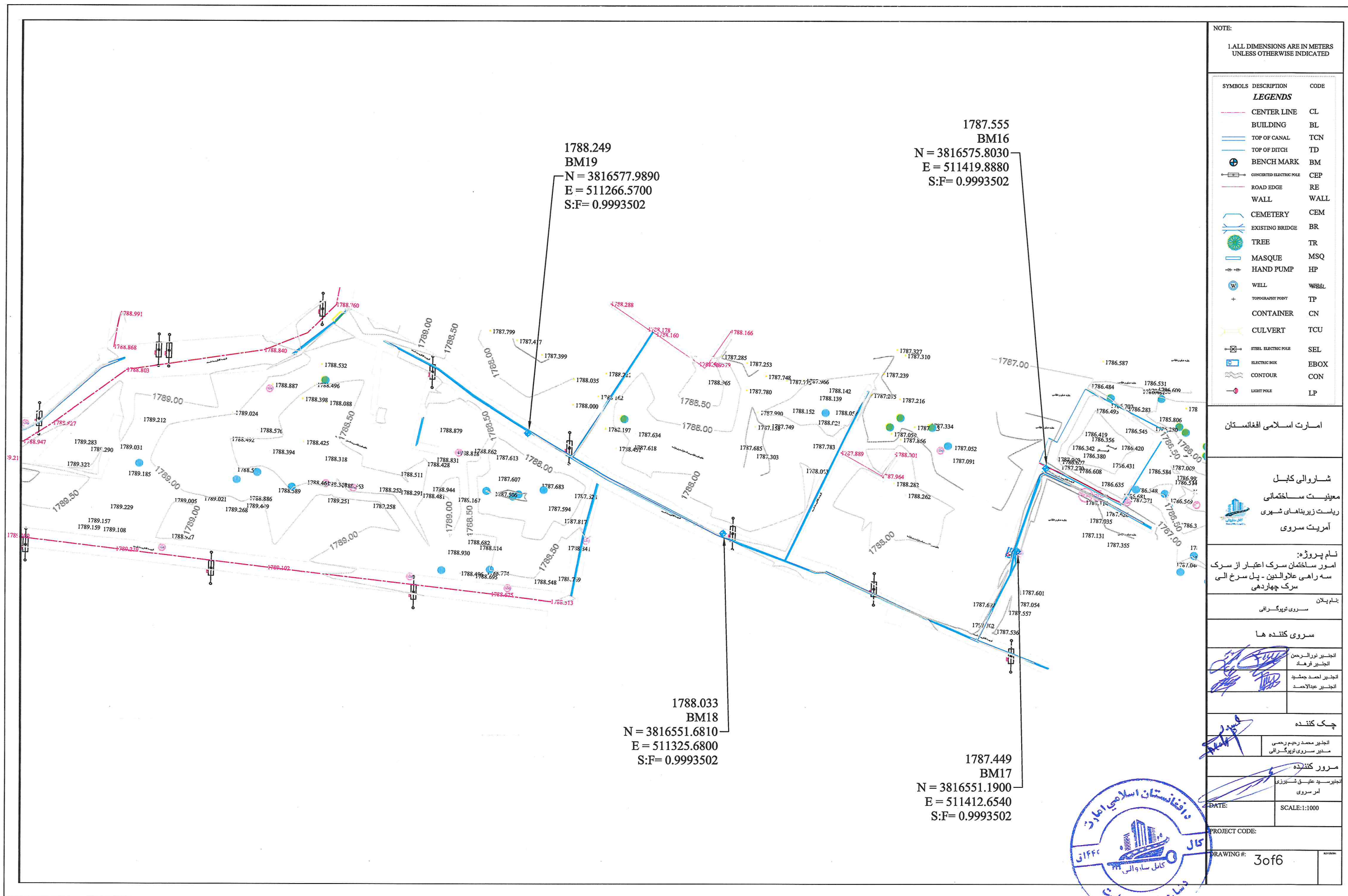
انجنیر سعید عتیق شیرازی
آمر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 2 of 6





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

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	TOP OF DITCH	TD
	BENCH MARK	BM
	CONCEALED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	WALL	WALL
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	TR
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHY POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL ELECTRIC POLE	SEL
	ELECTRIC BOX	EBOX
	CONTOUR	CON
	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل

معاونت ساختمانی
ریاست زیربنای شهری
امریت سروی

نام پروژه:
امور ساختمان سرک اعتبار از سرک
سه راهی علاءالدین - پل سرخ الی
سرک چهاردهی

بشم پلان
سروی توپوگرافی

سروی کننده ها

انجنیر نورالرحمن	انجنیر فرهاد
انجنیر احمد جمشید	انجنیر عبدالاحد

چک کننده

انجنیر محمد رحیم رحیمی	مدیر سروی توپوگرافی
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مرور کننده

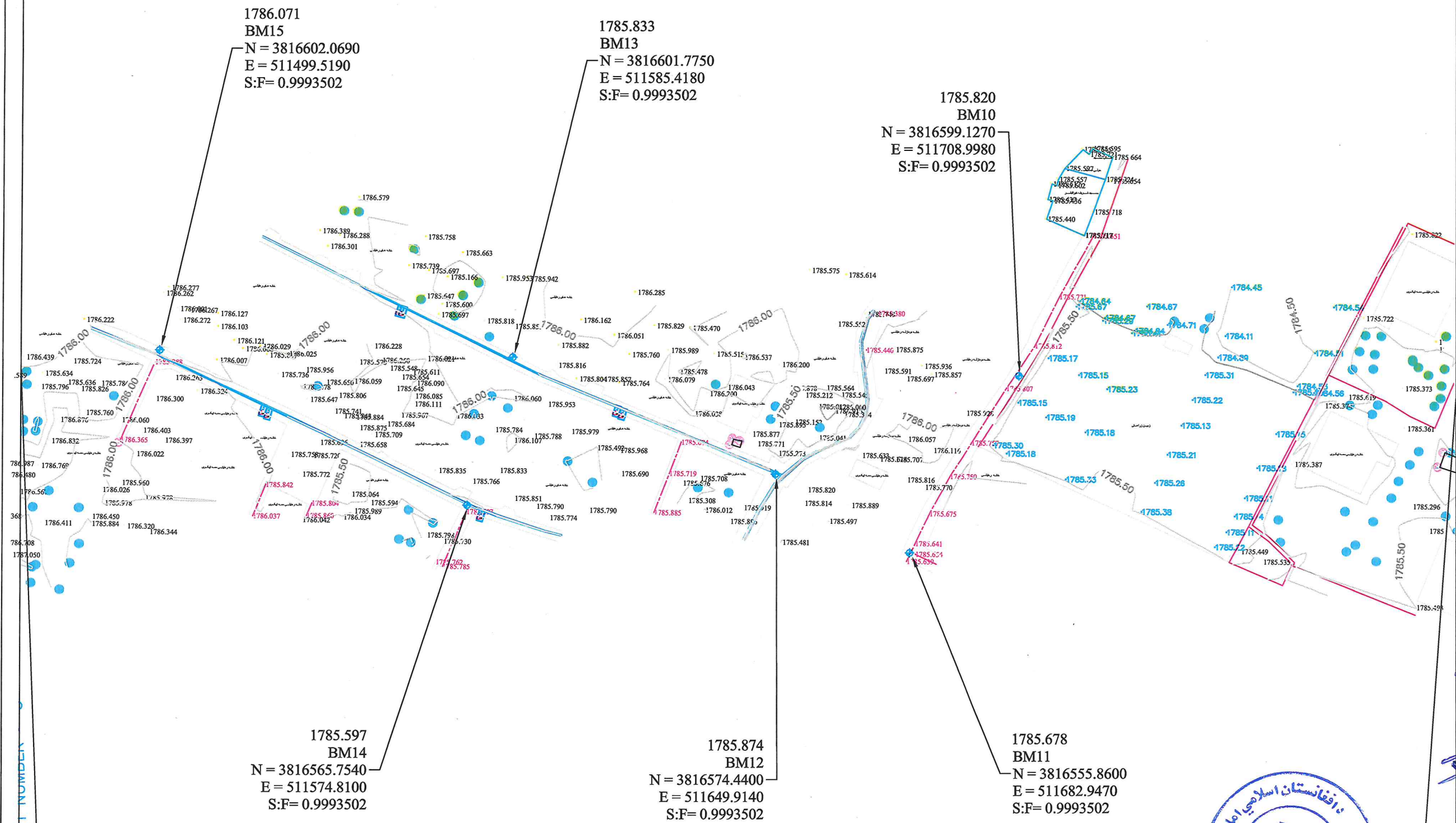
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DATE: SCALE: 1:1000

PROJECT CODE: DRAWING #: 3 of 6



PREVIOUS SHEET NUMBER



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

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	TOP OF DITCH	TD
	BENCH MARK	BM
	CONCRETED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	WALL	WALL
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	TR
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHY POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL ELECTRIC POLE	SEL
	ELECTRIC BOX	EBOX
	CONTOUR	CON
	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
امور ساختمان سرک اعتبار از سرک
سه راهی علاءالدین - پل سرخ الی
سرک چهاردهی

نام پلان
سروی توپوگرافی

سروی کننده ها
انجنیر نورالرحمن
انجنیر فرهاد
انجنیر احمد جمشید
انجنیر عبدالاحد

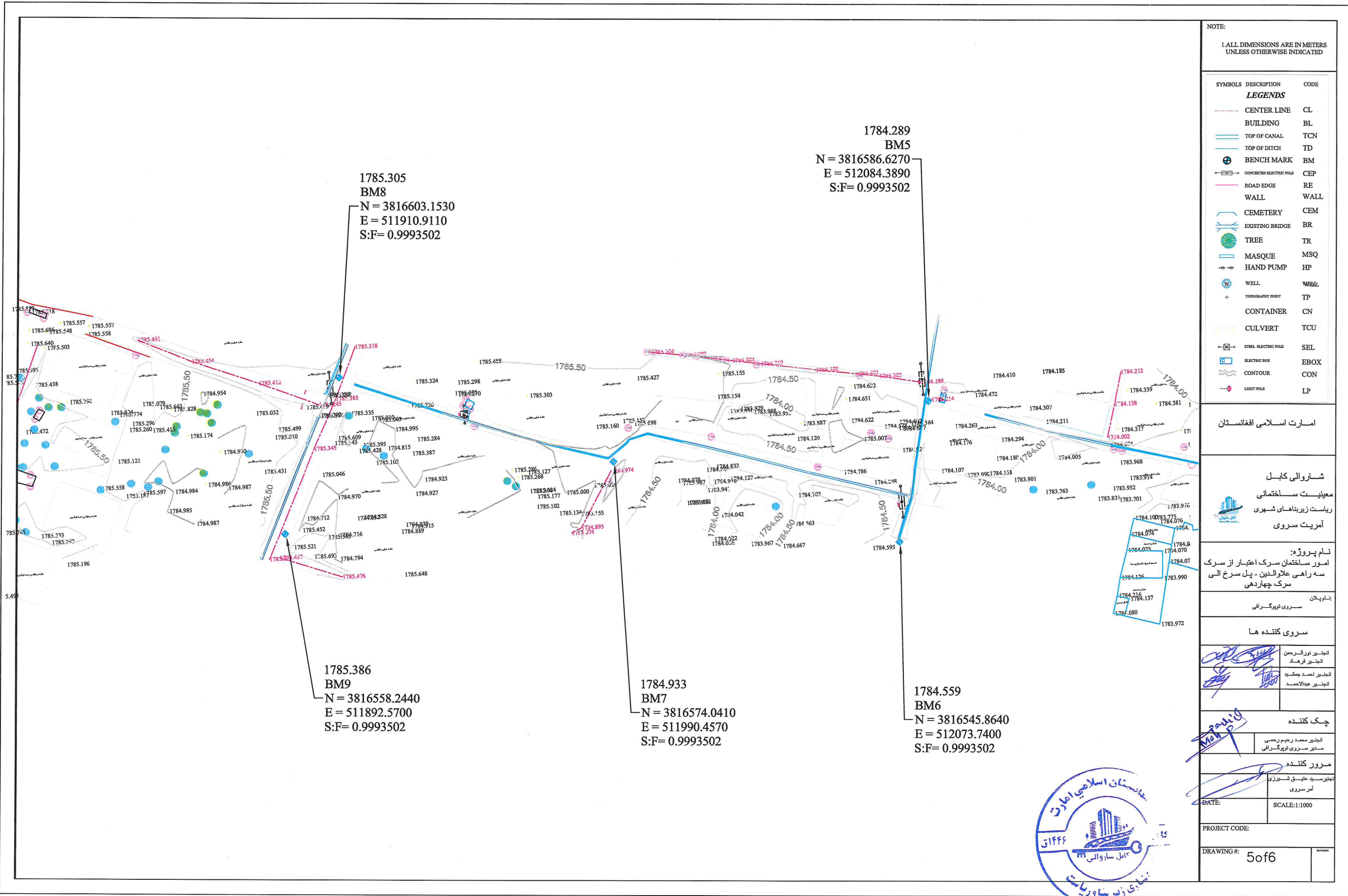
چک کننده
انجنیر محمد رحیم رحیمی
مسئول سروی توپوگرافی

مرور کننده
انجنیر سید عتیق شوری
آمر سروی

DATE: SCALE: 1:1000

PROJECT CODE:
DRAWING #: 4 of 6





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

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
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	BUILDING	BL
	TOP OF CANAL	TCN
	TOP OF DITCH	TD
	BENCH MARK	BM
	CONCERTED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	WALL	WALL
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	TR
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHY POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL ELECTRIC POLE	SEL
	ELECTRIC BOX	EBOX
	CONTOUR	CON
	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل

معینیت ساختمانی

رئاست زیربنای شهری

آمریت سروی

نام پروژه:

امور ساختمان سرک اعتبار از سرک

سه راهی علاءالدین - پل سرخ الی

سرک چهاردهی

بنام پلان

سروی توپوگرافی

سروی کننده ها

انجنیر نور الرحمن	انجنیر فرهاد
انجنیر احمد چمشق	انجنیر عبدالاحد

چک کننده

انجنیر محمد رحیم رحیمی

مدیر سروی توپوگرافی

مرور کننده

انجنیر سعید عتیق شیری

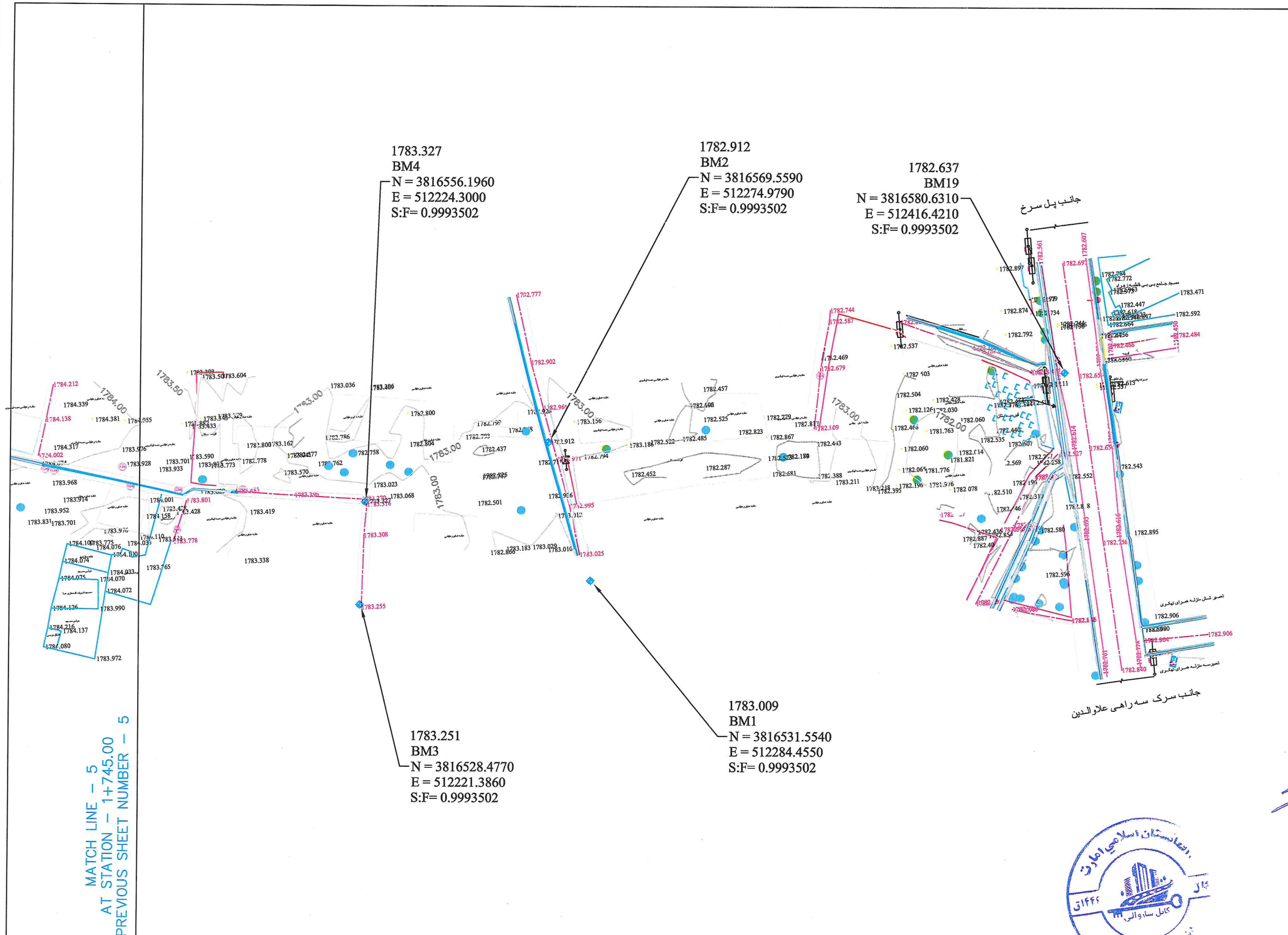
آمر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 5 of 6





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

SYMBOLS	DESCRIPTION	CODE
LEGENDS		
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	TOP OF DITCH	TD
	BENCH MARK	BM
	CONCRETED ELECTRIC POLE	CEP
	ROAD EDGE	RE
	WALL	WALL
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	TR
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TOPOGRAPHY POINT	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL ELECTRIC POLE	SEL
	ELECTRIC BOX	EBOX
	CONTOUR	CON
	LIGHT POLE	LP

امارت اسلامی افغانستان

شاروالی کابل

معیّنیت ساختمانی

ریاست زیربنای شهری

آمریت سروی

نام پروژه: امور ساختمان سرک اعتبار از سرک سه راهی علاوالدین - پل سرخ الی سرک چهاردهی

بنام پلان: سروی توپوگرافی

سروی کننده ها:

انجنیر نورالرحمن
انجنیر فرهاد
انجنیر احمد چمشید
انجنیر عبدالاحد

چک کننده:

انجنیر محمد رحیم رحیمی
مهندس سروی توپوگرافی

مرور کننده:

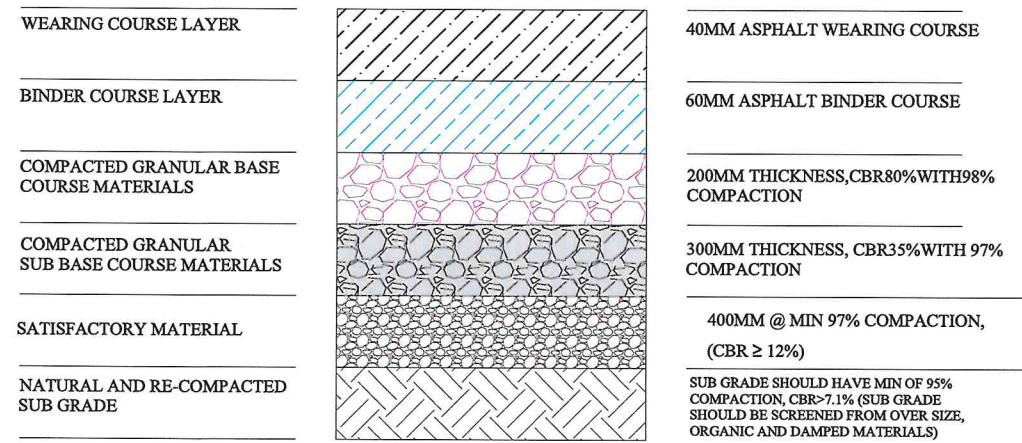
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آمر سروی

DATE: SCALE: 1:1000

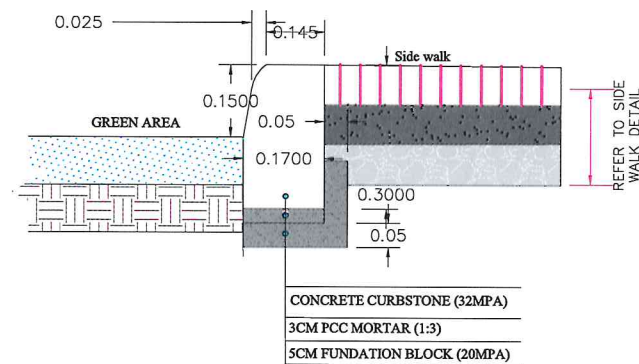
PROJECT CODE:

DRAWING #: 6 of 6

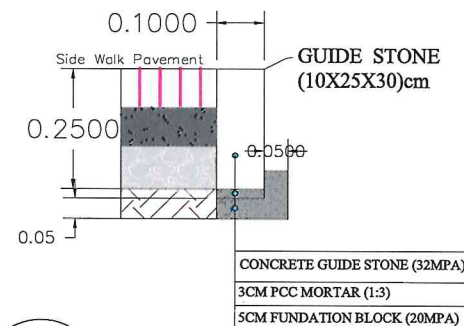




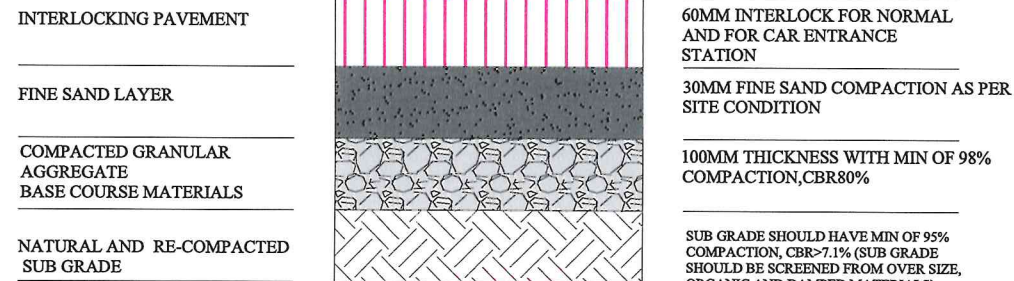
DET:01 ROAD MATERIAL SECTION
SCALE: NTS



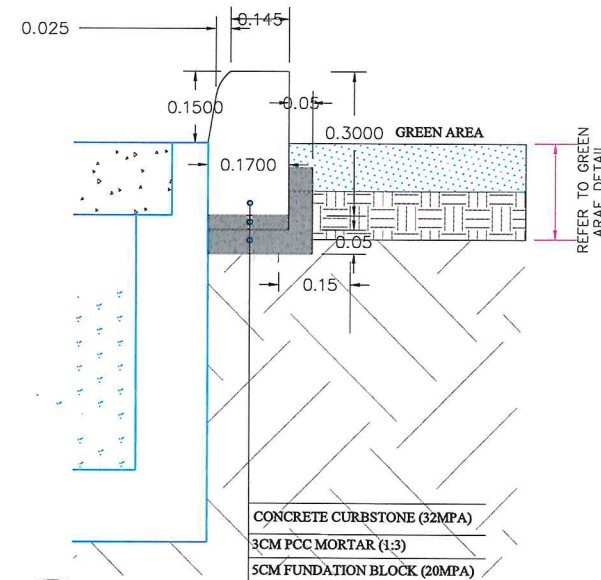
DET:05 CURB STONE BETWEEN SIDE WALK AND GREEN AREA
SCALE: NTS



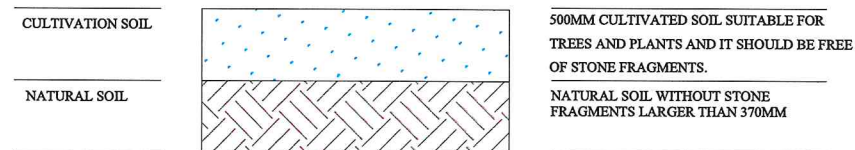
DET:06 GUIDE STONE DETAILS, THE END OF SIDEWALK
SCALE: NTS



DET:02 SIDEWALK MATERIAL DETAIL
SCALE: NTS



DET:04 CURB STONE BETWEEN GREEN AREA AND DITCH
SCALE: NTS



DET:03 GREEN AREA MATERIAL DETAIL
SCALE: NTS

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qala Road Project

Drawing Title:

Details

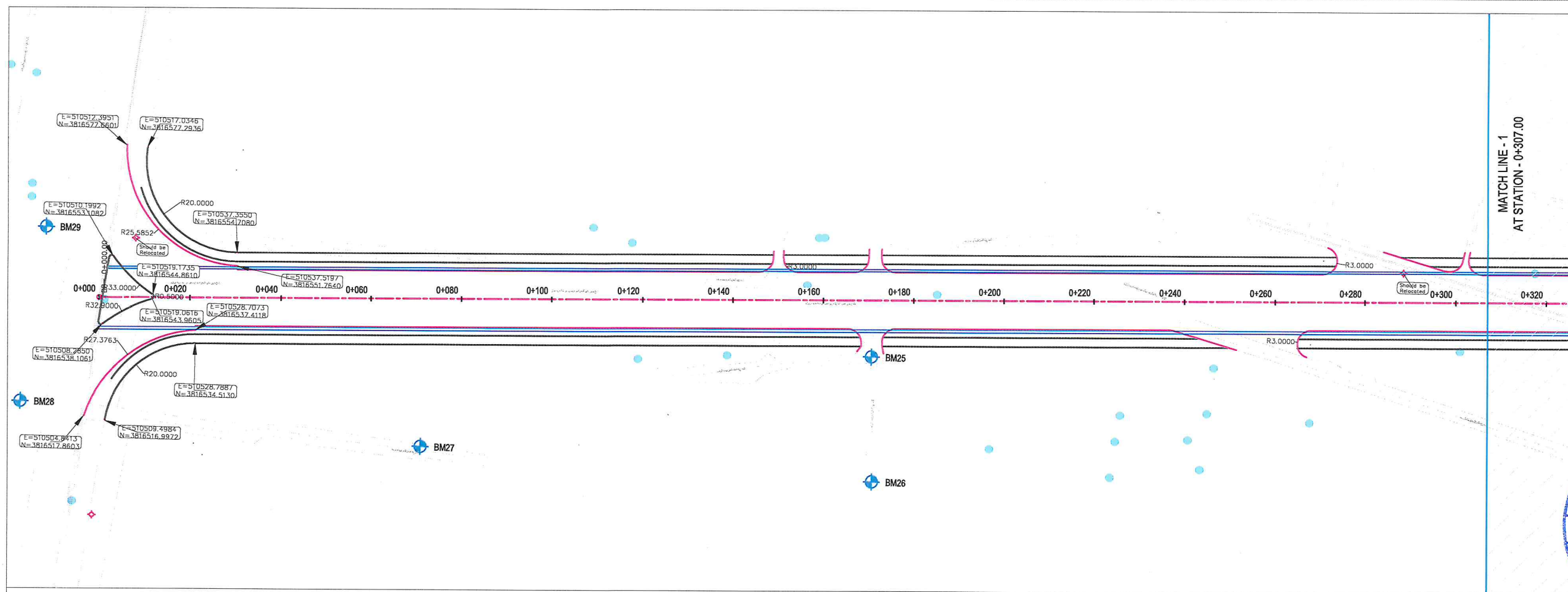
Drawn: M.Ali Dawlatzada	Signature:
Designed: M.Ali Dawlatzada	Signature:
Checked: Hesibullah Shalizi	Signature:

Date: 3/2/2025 Scale: 1:1000

Status: FINEL
DESIGN

Project Code

SHEET NO.	Revision
	01



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

LEGENDS

- CENTER-LINE
- CARRIAGEWAY
- PROPOSED DITCH
- PROPOSED GREENERY
- PROPOSED SIDEWALK
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK
- ELECTRIC POLE

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qala Road Project

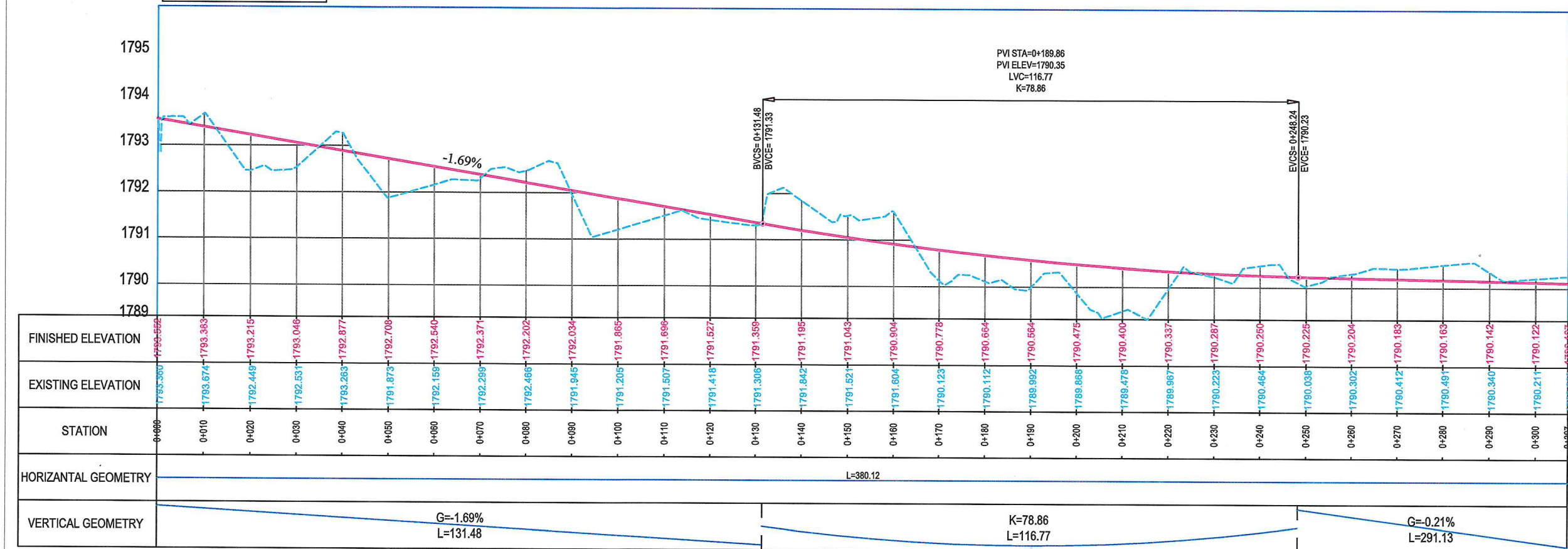
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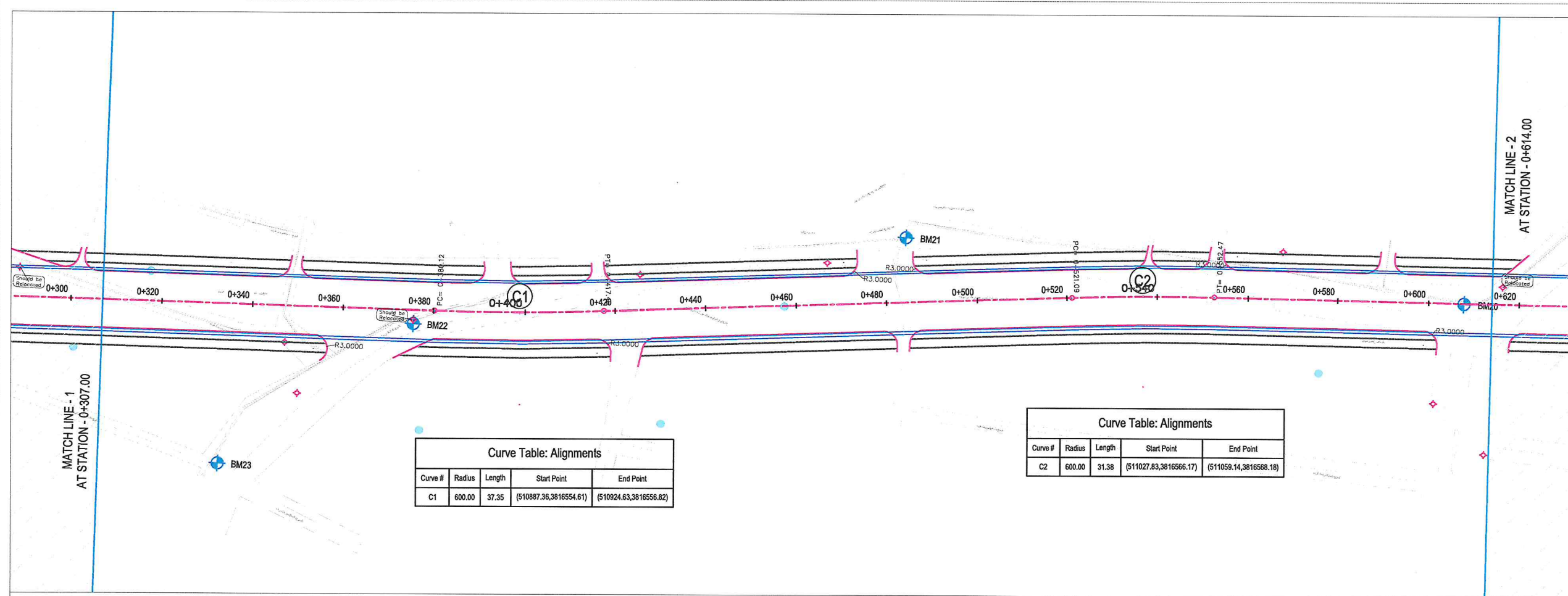
Rev.	Date	Revision Details	Drawn	Chkd	Appd.

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Huseinullah Shalizi	Signature:

Date: 3/19/2025	Scale: 1:1000
Status: FINAL DESIGN	
Project Code:	
SHEET NO. PP	Revision 01

Chahar Qla to Alaudin





Curve Table: Alignments				
Curve #	Radius	Length	Start Point	End Point
C1	600.00	37.35	(510887.36,3816554.61)	(510924.63,3816556.82)

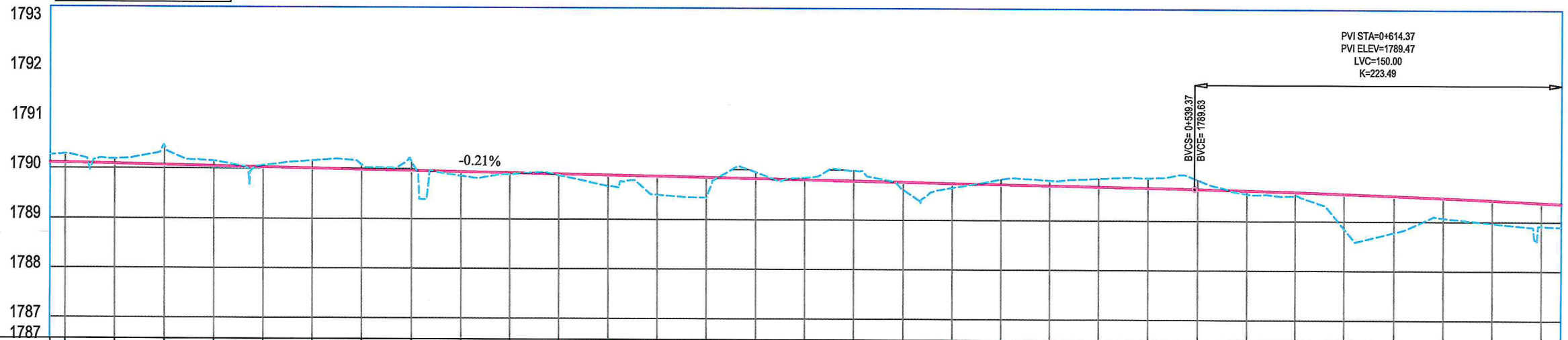
Curve Table: Alignments				
Curve #	Radius	Length	Start Point	End Point
C2	600.00	31.38	(511027.83,3816566.17)	(511059.14,3816568.18)

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

- LEGENDS
- CENTER-LINE
 - CARRIAGEWAY
 - PROPOSED DITCH
 - PROPOSED GREENERY
 - PROPOSED SIDEWALK
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK
 - ELECTRIC POLE

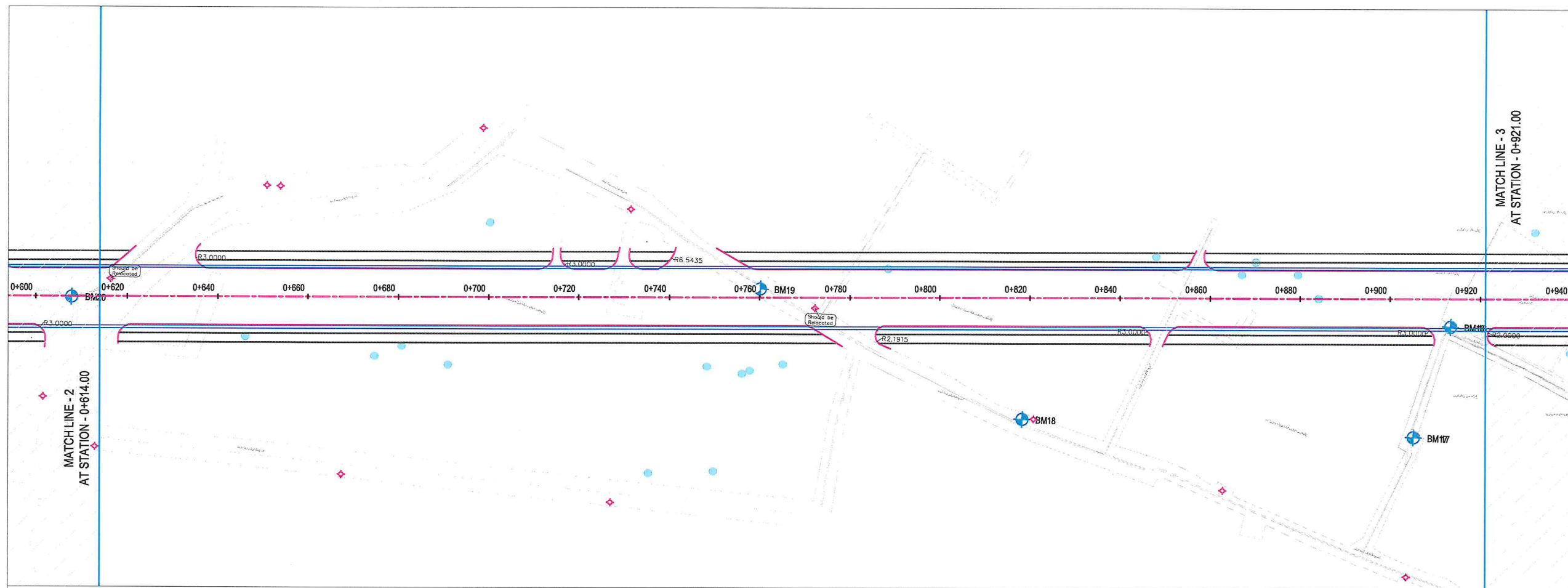


Chahar Qla to Alaudin

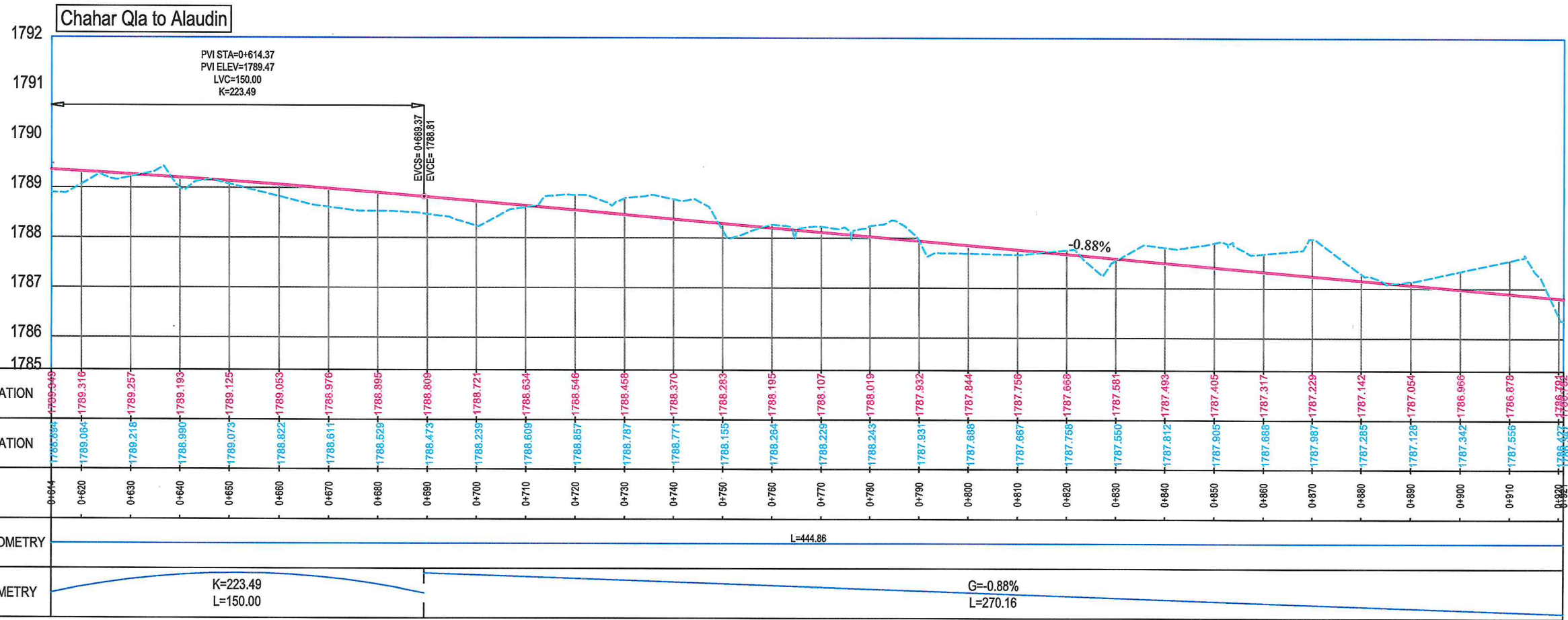


	0+300	0+310	0+320	0+330	0+340	0+350	0+360	0+370	0+380	0+390	0+400	0+410	0+420	0+430	0+440	0+450	0+460	0+470	0+480	0+490	0+500	0+510	0+520	0+530	0+540	0+550	0+560	0+570	0+580	0+590	0+600	0+610	0+614
FINISHED ELEVATION	1789.282	1789.167	1790.080	1790.060	1790.039	1790.018	1789.998	1789.977	1789.956	1789.936	1789.915	1789.895	1789.874	1789.853	1789.833	1789.812	1789.791	1789.771	1789.750	1789.729	1789.708	1789.688	1789.667	1789.647	1789.626	1789.603	1789.575	1789.543	1789.507	1789.466	1789.420	1789.370	1789.349
EXISTING ELEVATION	1789.282	1790.284	1790.185	1790.432	1790.147	1790.062	1789.159	1790.077	1790.152	1789.881	1789.897	1789.876	1789.864	1789.491	1789.437	1789.946	1789.841	1789.986	1789.609	1789.646	1789.814	1789.800	1789.838	1789.850	1789.817	1789.540	1789.509	1788.842	1788.770	1789.066	1789.964	1789.908	1789.554
STATION	0+300	0+310	0+320	0+330	0+340	0+350	0+360	0+370	0+380	0+390	0+400	0+410	0+420	0+430	0+440	0+450	0+460	0+470	0+480	0+490	0+500	0+510	0+520	0+530	0+540	0+550	0+560	0+570	0+580	0+590	0+600	0+610	0+614
HORIZONTAL GEOMETRY	L=380.12																																
VERTICAL GEOMETRY	G=-0.21% L=291.13																																
	L=103.62																																
	L=31.38 R=600.00																																
	L=444.86																																
	K=223.49 L=150.00																																

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
Project Name: Alaudin to Chahar Qala Road Project					
Drawing Title: PLAN & PROFILE					
Drawn: M.Ali Dawlatzada			Signature:		
Designed: M.Ali Dawlatzada			Signature:		
Checked: Hasibullah Shalizi			Signature:		
Date: 3/19/2025					
Scale: 1:1000					
Status: FINAL DESIGN					
Project Code					
SHEET NO. PP (1)					
Revision 01					



- NOTE:
1. All dimensions are in meters unless otherwise indicated.
- LEGENDS
- CENTER-LINE
 - CARRIAGEWAY
 - PROPOSED DITCH
 - PROPOSED GREENERY
 - PROPOSED SIDEWALK
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK
 - ELECTRIC POLE



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
PLAN & PROFILE

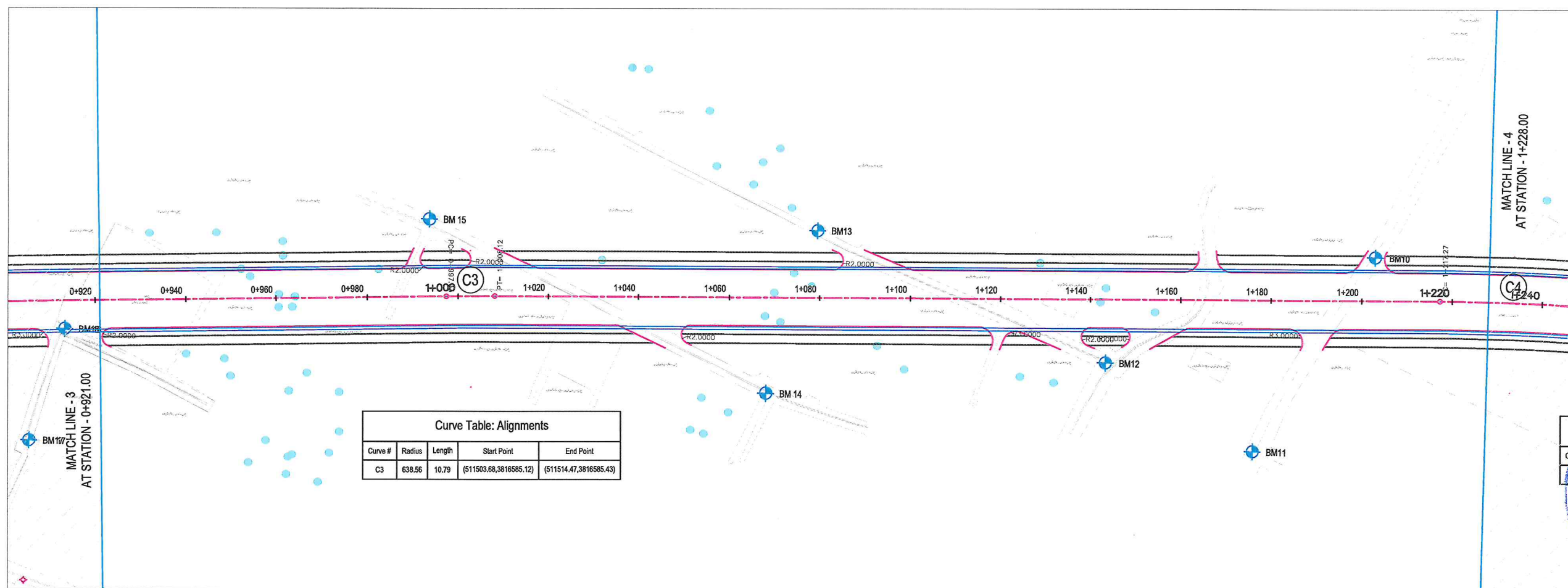
Drawn: M.Ali Dawlatzada	Signature: 
Designed: M.Ali Dawlatzada	Signature: 
Checked: Hasibullah Shalizi	Signature: 

Date: 3/19/2025 Scale: 1:1000

Status: **FINEL
DESIGN**

Project Code

SHEET NO. PP (2)	Revision 01
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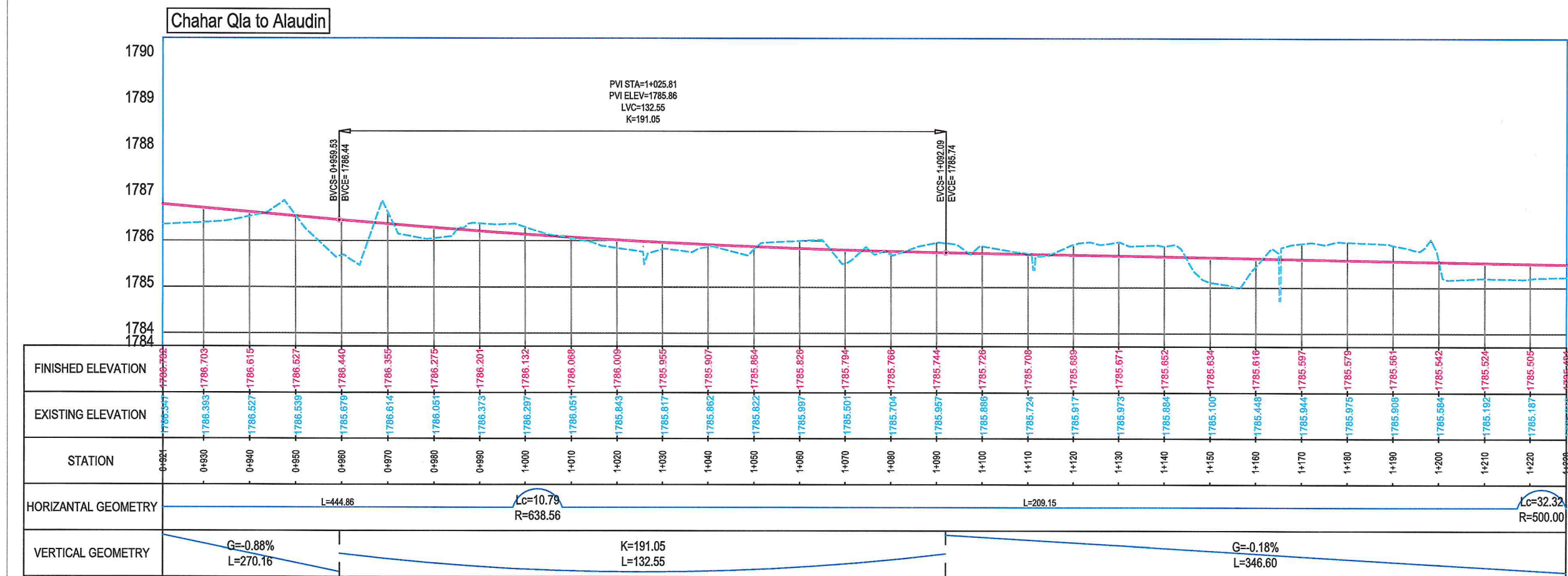


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- CARRIAGEWAY
- PROPOSED DITCH
- PROPOSED GREENERY
- PROPOSED SIDEWALK
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK
- ELECTRIC POLE

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
KABUL MUNICIPALITY DESIGN TEAM



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qala Road Project

Drawing Title: PLAN & PROFILE

Drawn: M.Ali Dawlatzada Signature: [Signature]

Designed: M.Ali Dawlatzada Signature: [Signature]

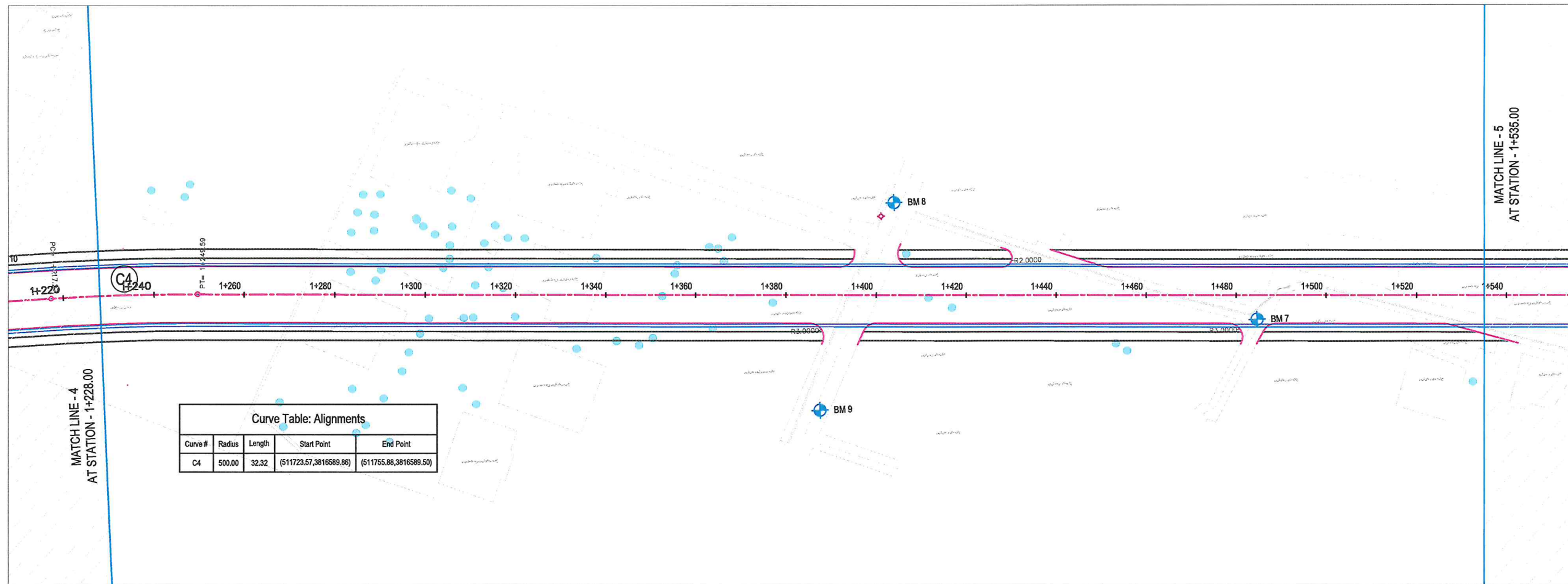
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Date: 3/19/2025 Scale: 1:1000

Status: FINAL DESIGN

Project Code:

SHEET NO. PP (3) Revision 01

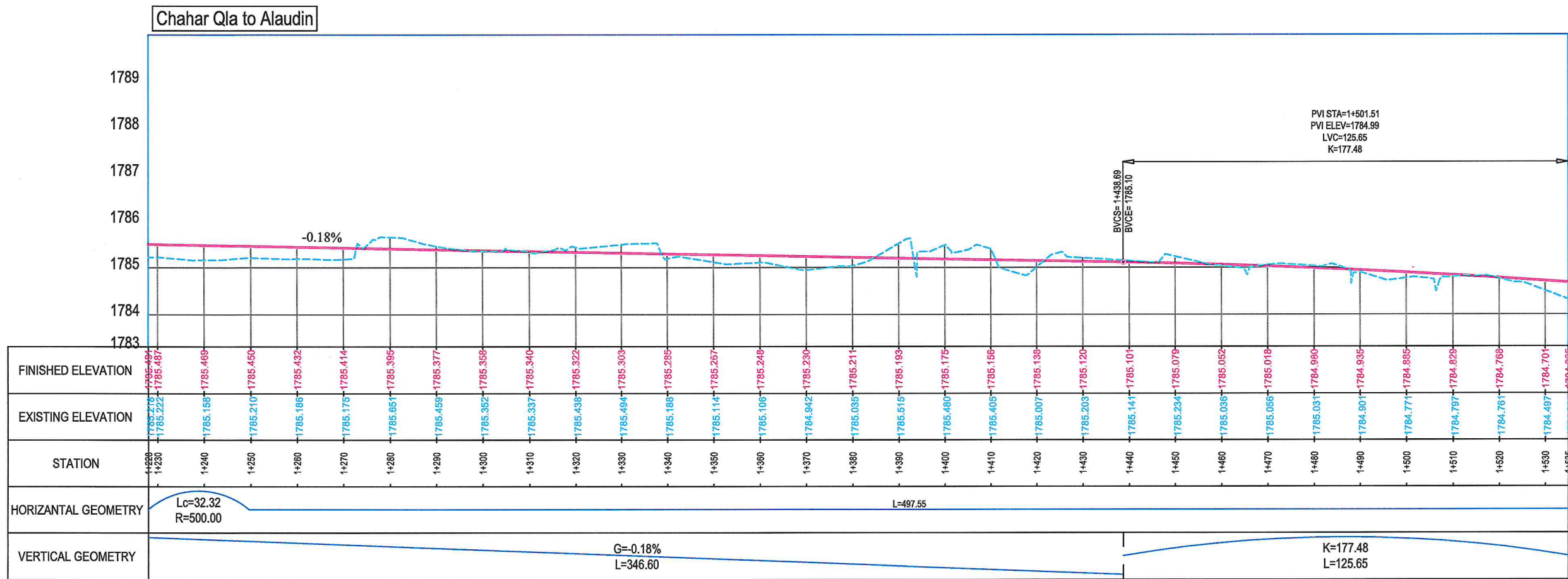


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- CARRIAGEWAY
- PROPOSED DITCH
- PROPOSED GREENERY
- PROPOSED SIDEWALK
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK
- ELECTRIC POLE

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qala Road Project

Drawing Title: PLAN & PROFILE

Drawn: M.Ali Dawlatzada Signature: [Signature]

Designed: M.Ali Dawlatzada Signature: [Signature]

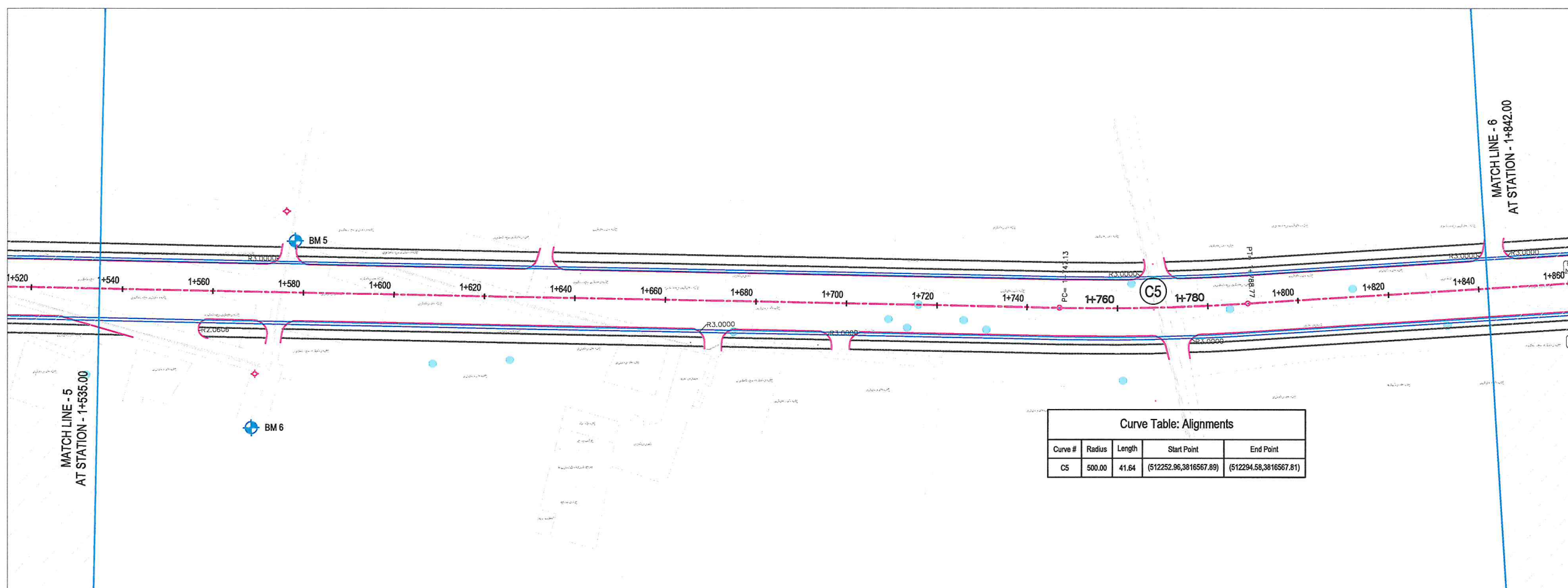
Checked: Hasibullah Shalizi Signature: [Signature]

Date: 3/19/2025 Scale: 1:1000

Status: FINEL DESIGN

Project Code: [Blank]

SHEET NO. PP (4) Revision 01

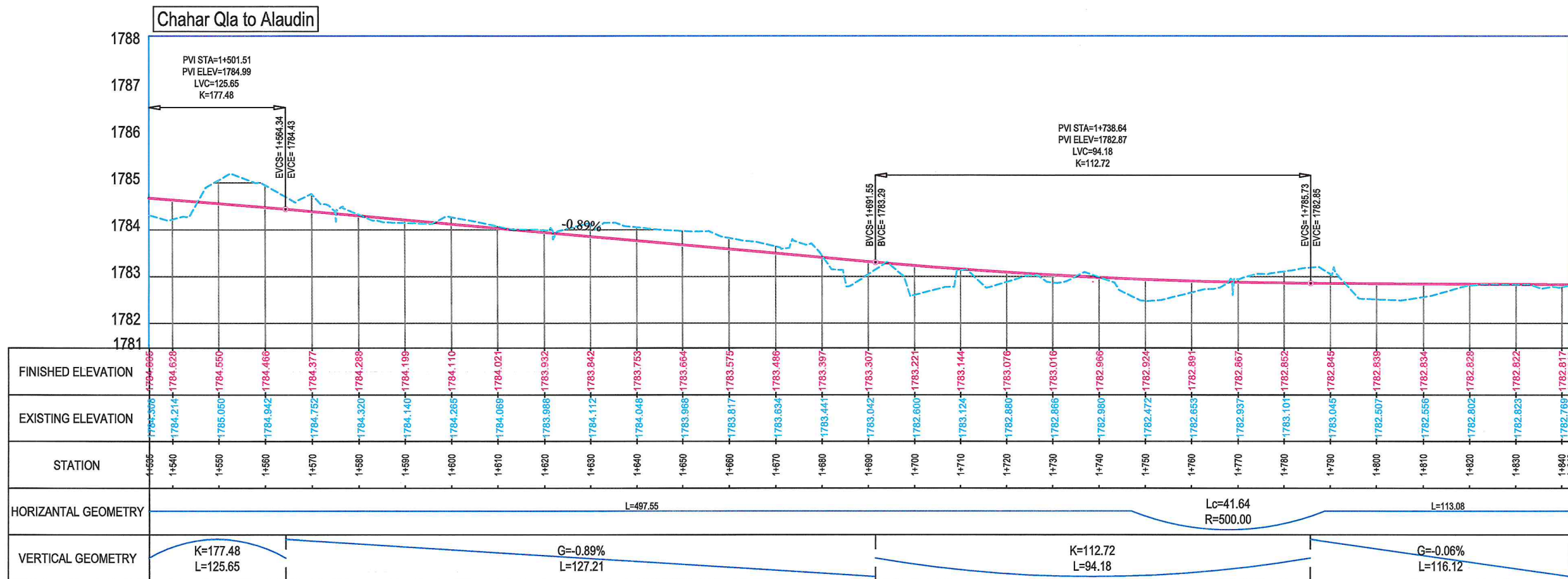


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS


- CENTER-LINE
- CARRIAGEWAY
- PROPOSED DITCH
- PROPOSED GREENERY
- PROPOSED SIDEWALK
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK
- ELECTRIC POLE

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM



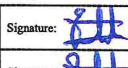
Rev. Date Revision Details Drawn Chkd. Appd.

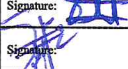
ISLAMIC EMIRATE OF AFGHANISTAN

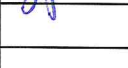
Designed By:  KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qala Road Project

Drawing Title: PLAN & PROFILE

Drawn: M.Ali Dawlatzada Signature: 

Designed: M.Ali Dawlatzada Signature: 

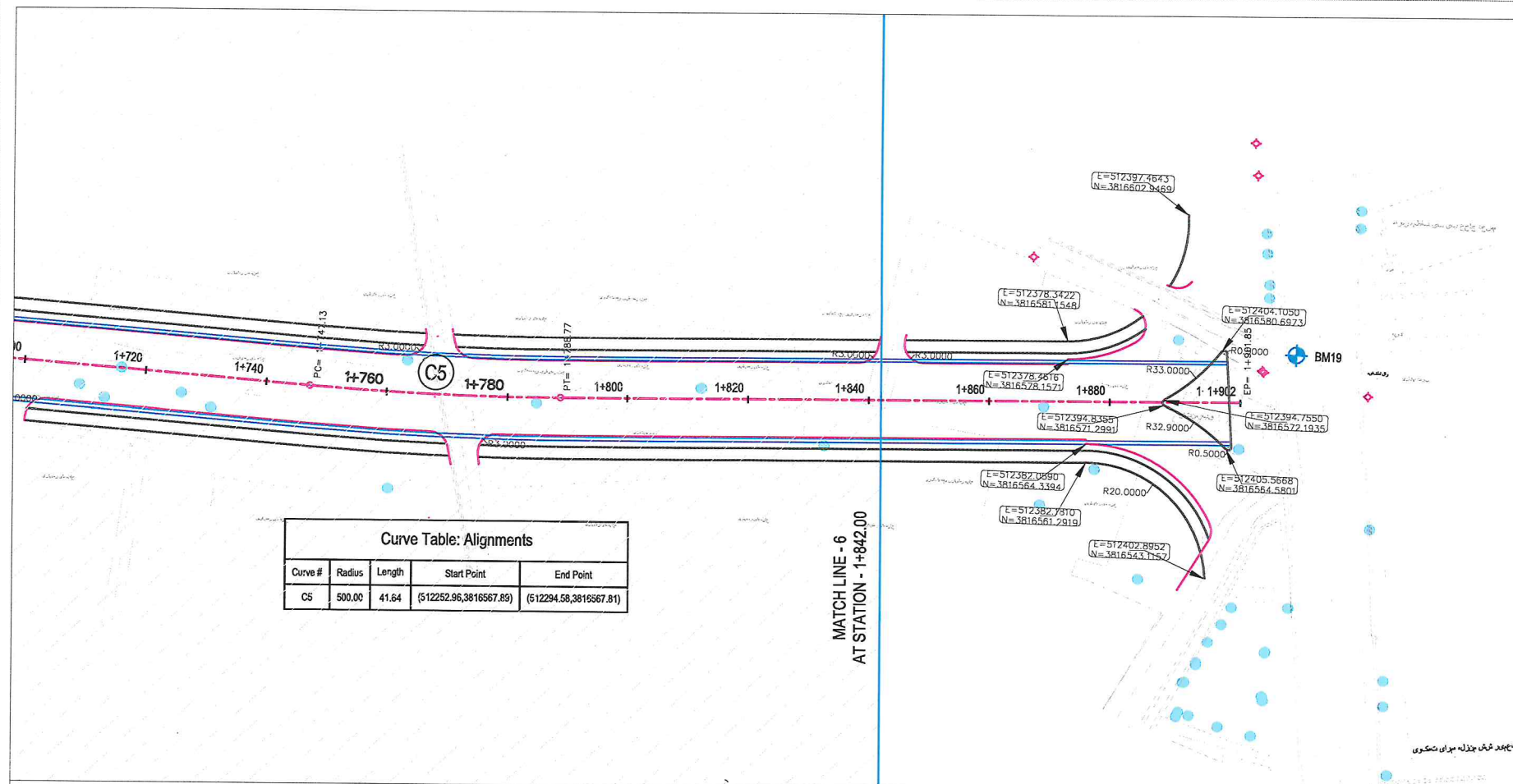
Checked: Hasibullah Shalizi Signature: 

Date: 3/19/2025 Scale: 1:1000

Status: FINEL DESIGN

Project Code

SHEET NO. PP (5) Revision 01



Curve Table: Alignments				
Curve #	Radius	Length	Start Point	End Point
C5	500.00	41.64	(512252.96, 3816567.89)	(512294.58, 3816567.81)

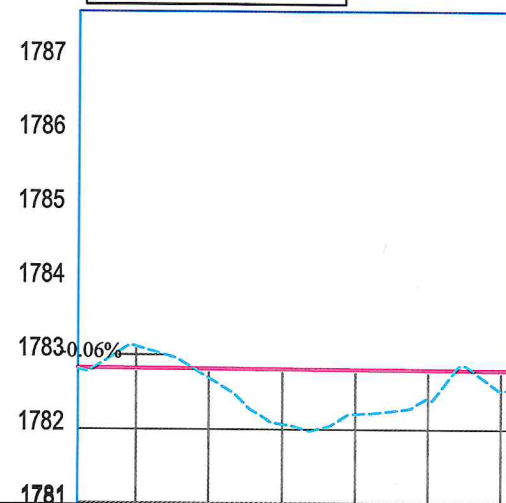
MATCH LINE - 6
AT STATION - 1+842.00

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

- LEGENDS
- CENTER-LINE
 - CARRIAGEWAY
 - PROPOSED DITCH
 - PROPOSED GREENERY
 - PROPOSED SIDEWALK
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK
 - ELECTRIC POLE



Chahar Qla to Alaudin



FINISHED ELEVATION	1782.806	1782.811	1782.805	1782.800	1782.794	1782.789	1782.783
EXISTING ELEVATION	1782.806	1783.116	1782.688	1782.067	1782.198	1782.396	1782.521
STATION	1+842	1+850	1+860	1+870	1+880	1+890	1+890
HORIZONTAL GEOMETRY							
VERTICAL GEOMETRY	G=-0.06% L=116.12						

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

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
PLAN & PROFILE

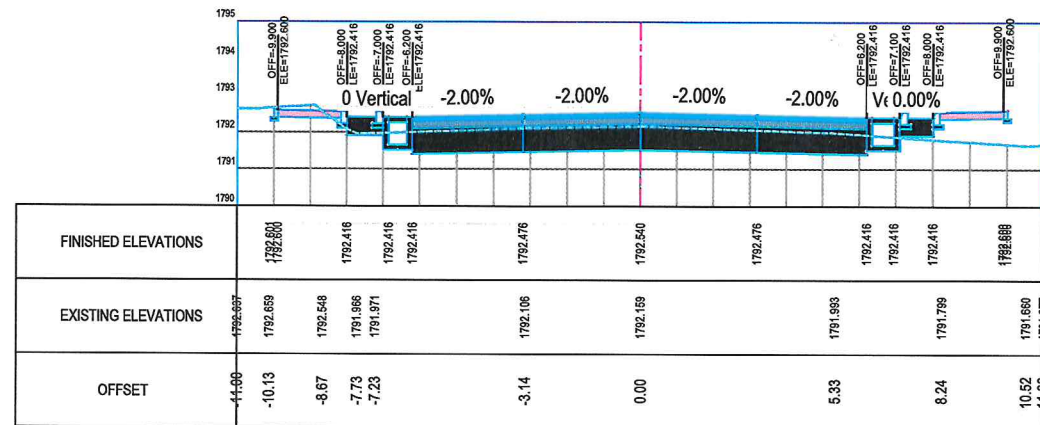
Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 3/19/2025 Scale: 1:1000

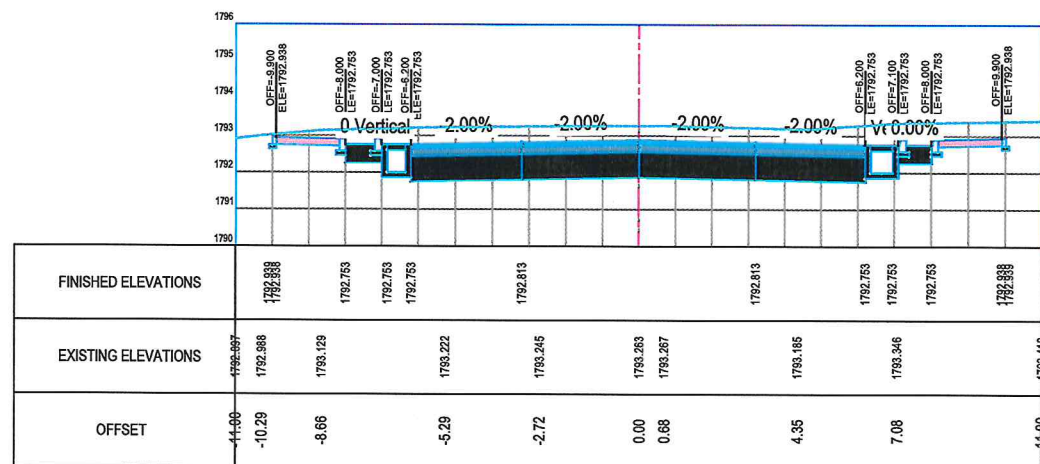
Status: FINEL
DESIGN

Project Code

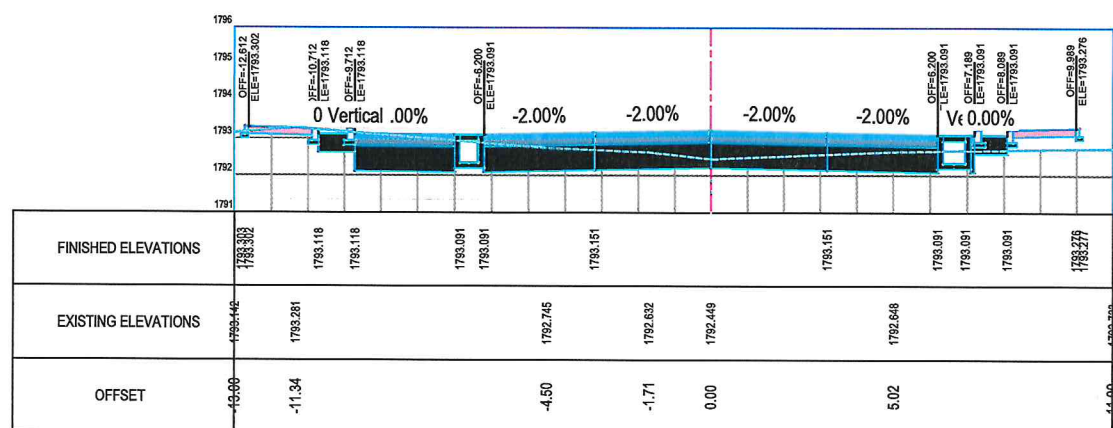
SHEET NO.	Revision
PP (6)	01



STATION=0+060



STATION=0+040



STATION=0+020

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qia Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Hasibullah Shalizi Signature:

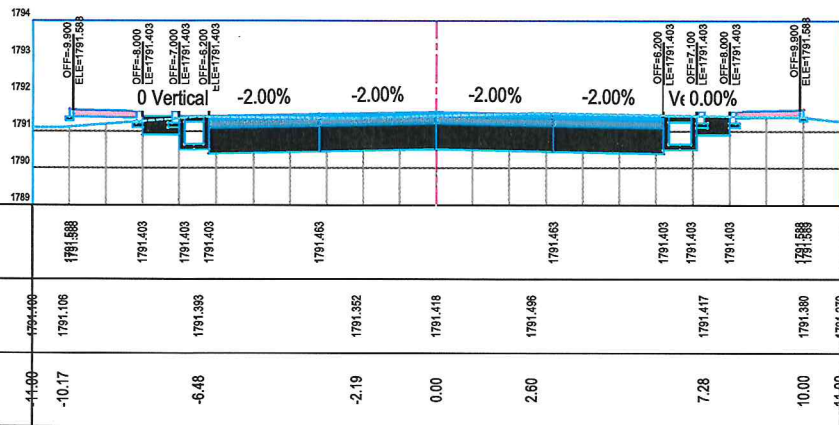
Checked: Signature:

Date: 3/17/2025 Scale: 1:200

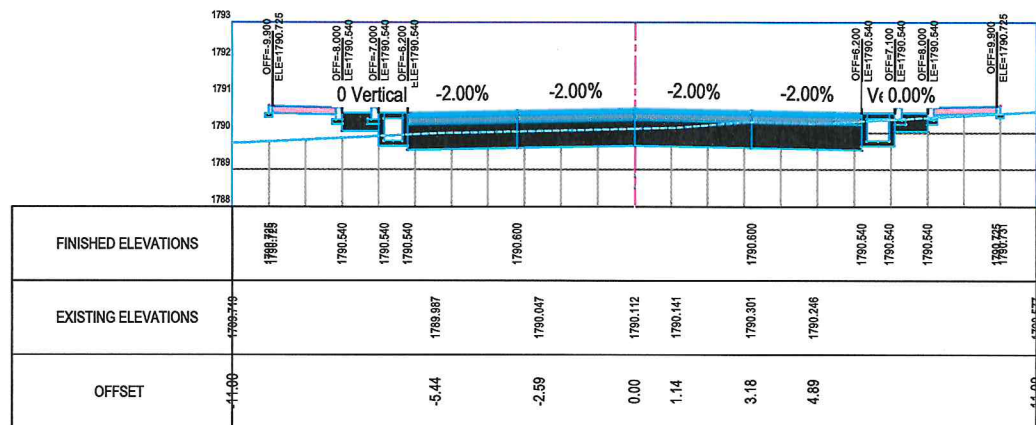
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DESIGN

Project Code

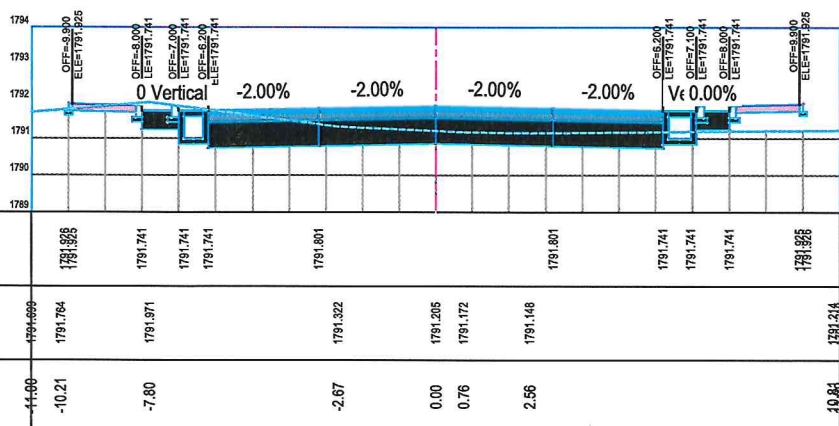
SHEET NO. CS- (1) Revision 01



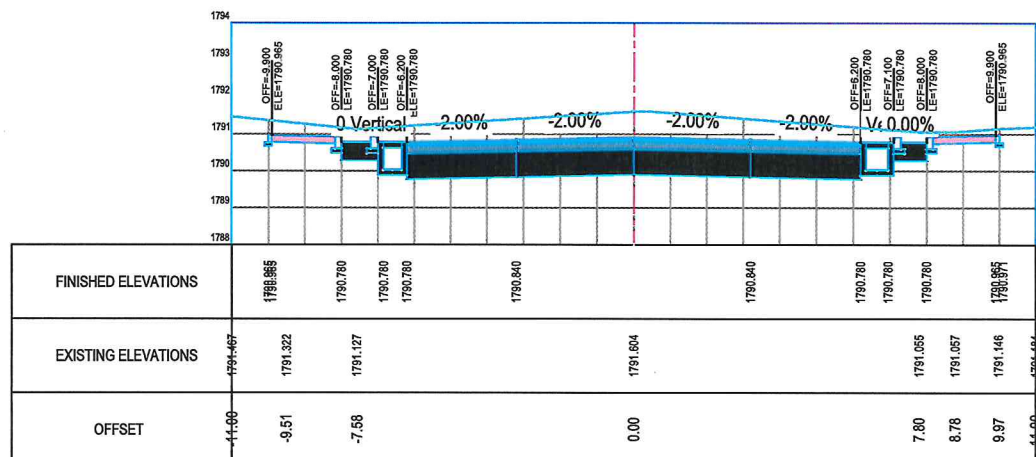
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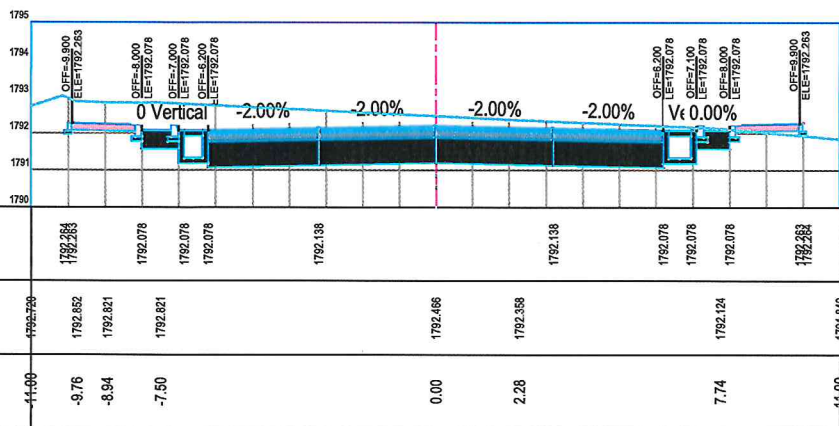
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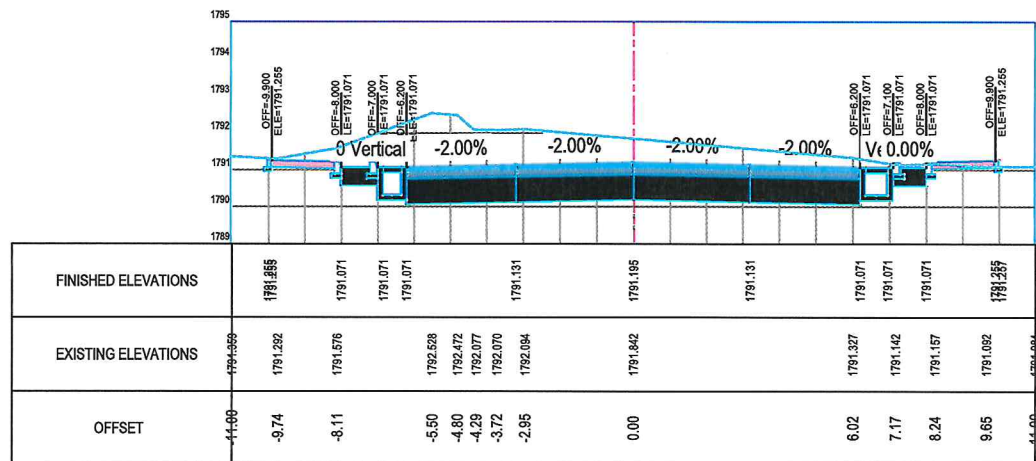
STATION=0+100



STATION=0+160



STATION=0+080



STATION=0+140

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

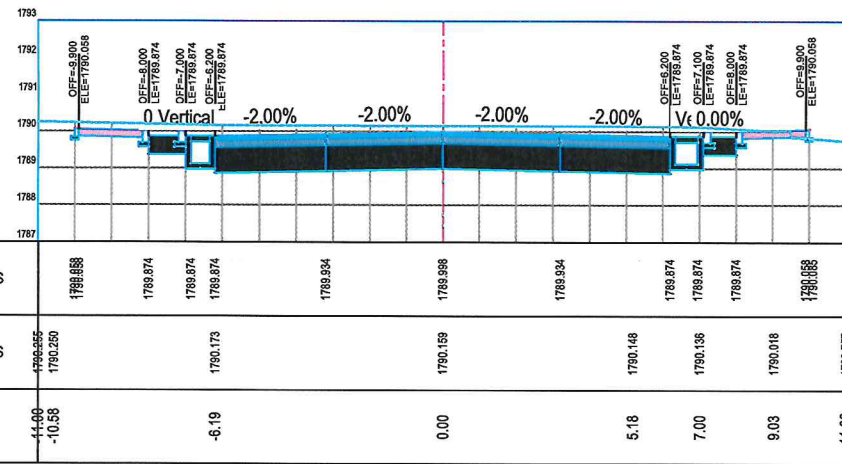
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Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 3/17/2025 Scale: 1:200

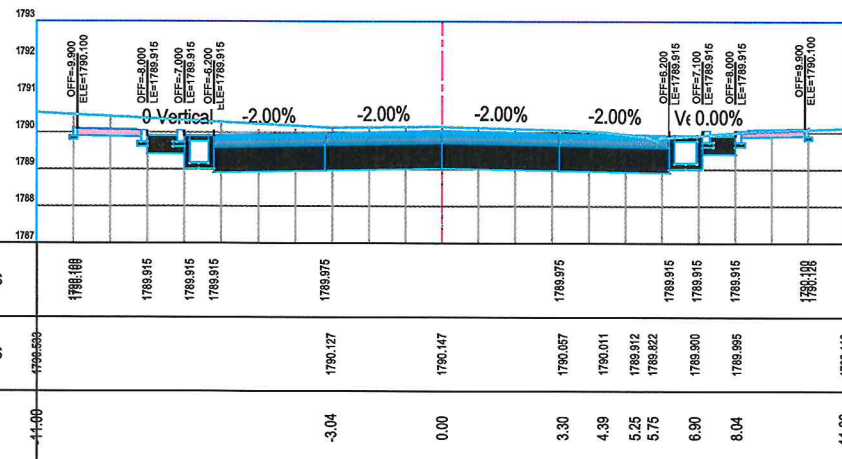
Status: FINAL DESIGN

Project Code

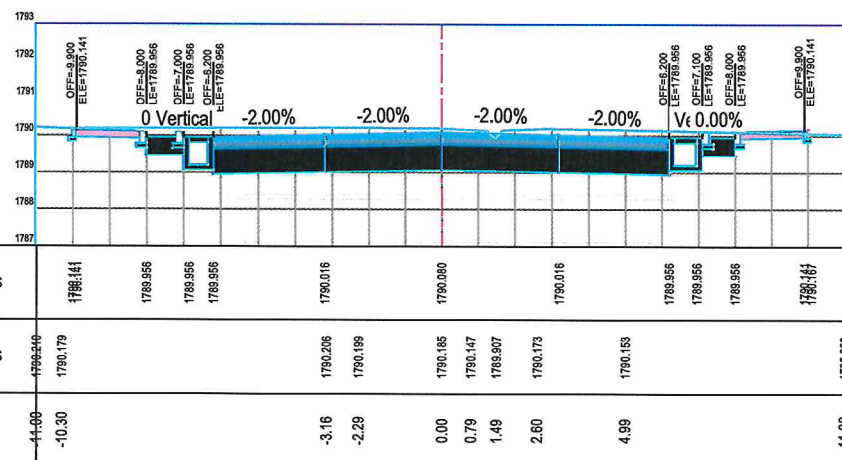
SHEET NO.	Revision
CS- (2)	01



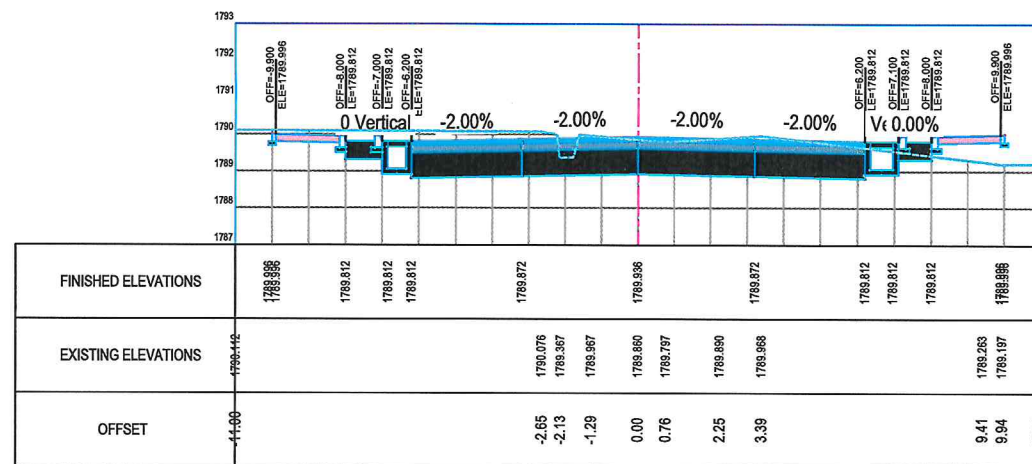
STATION=0+360



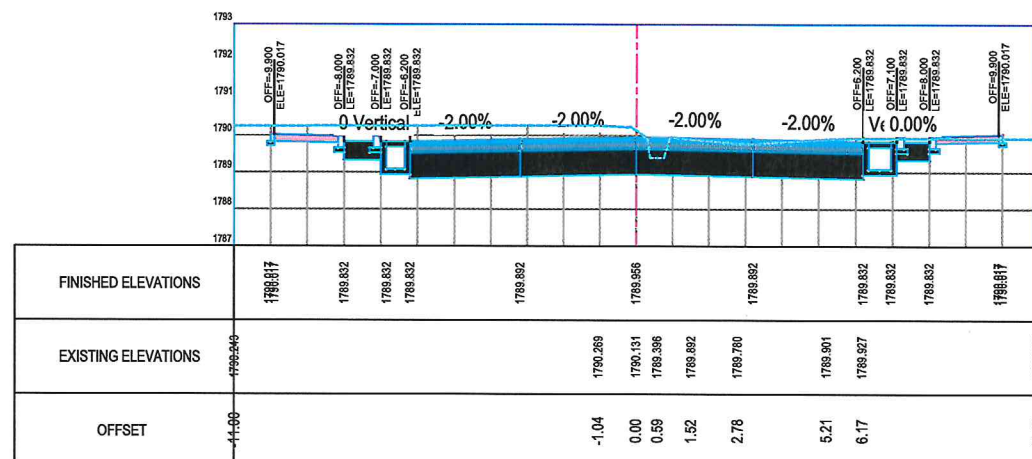
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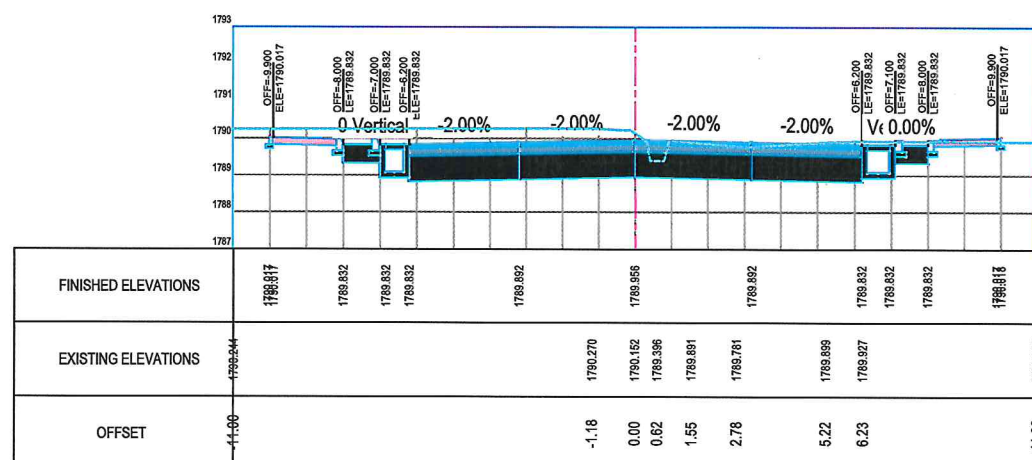
STATION=0+320



STATION=0+390



STATION=0+380



STATION=0+380

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



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

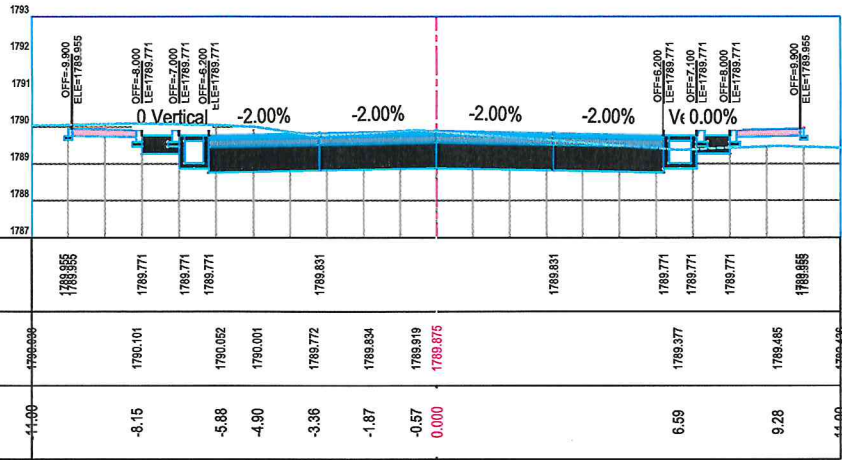
Drawn:	M.Ali Dawlatzada	Signature:	
Designed:	M.Ali Dawlatzada	Signature:	
Checked:	Hasibullah Shalizi	Signature:	
Checked:		Signature:	

Date: 3/17/2025 Scale: 1:200

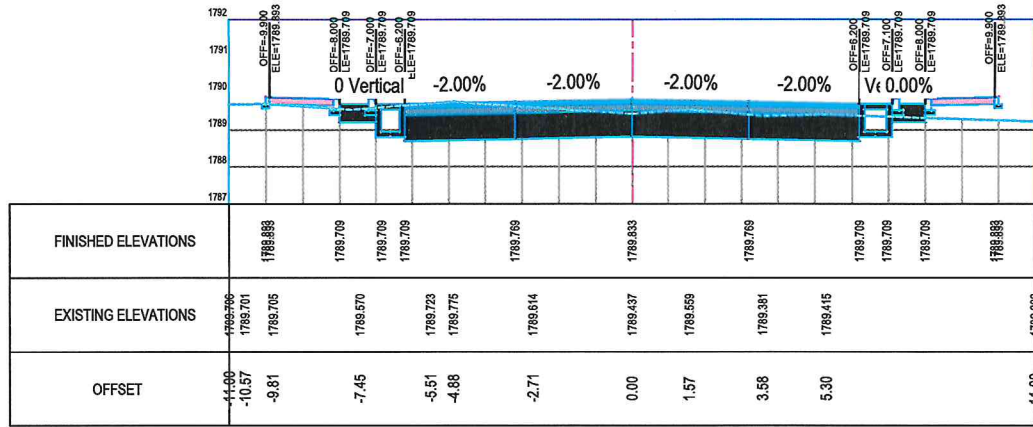
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Project Code

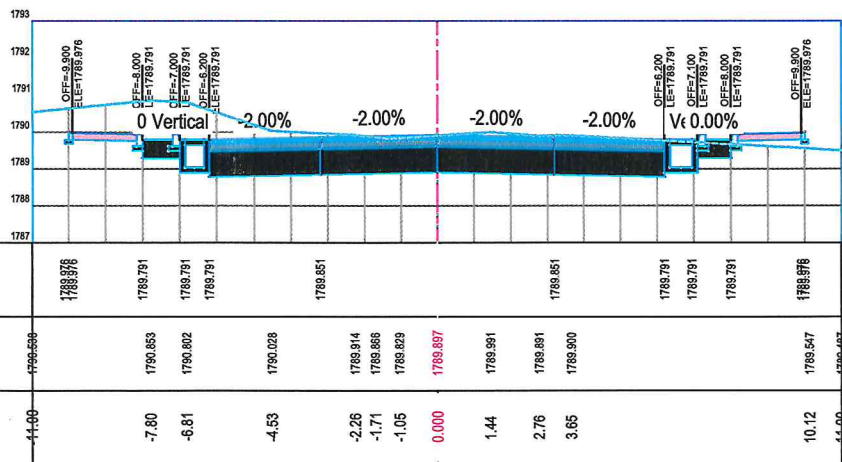
SHEET NO.	Revision
CS- (4)	01



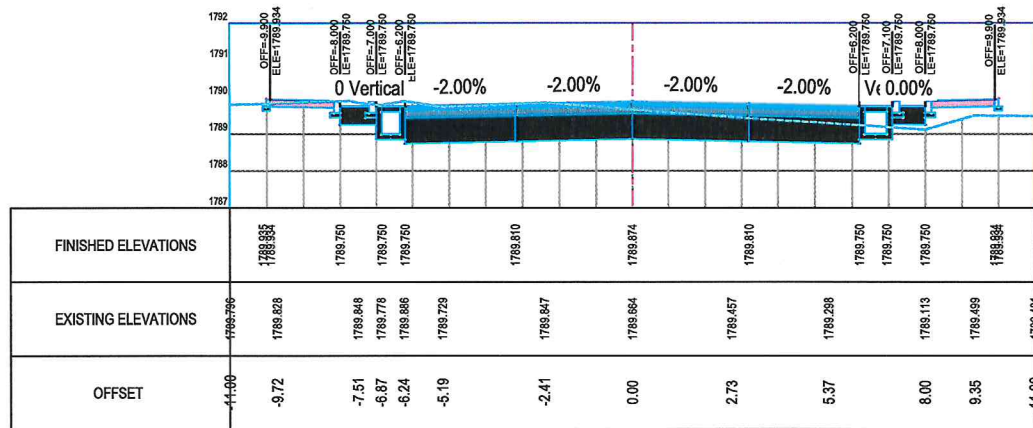
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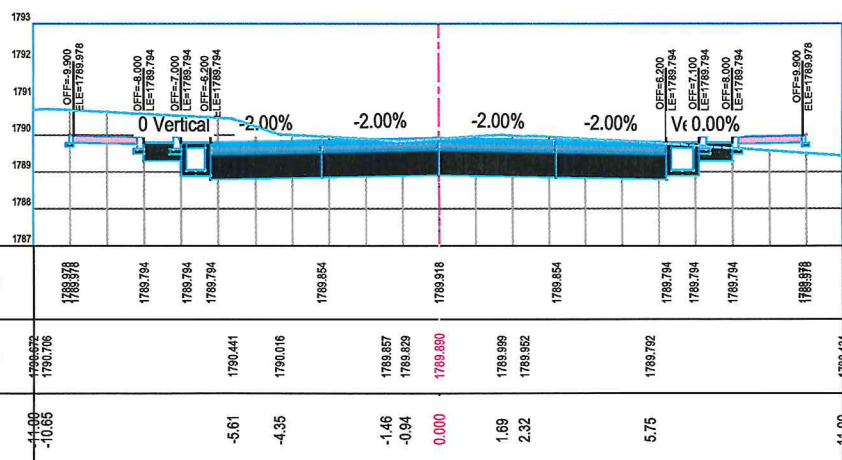
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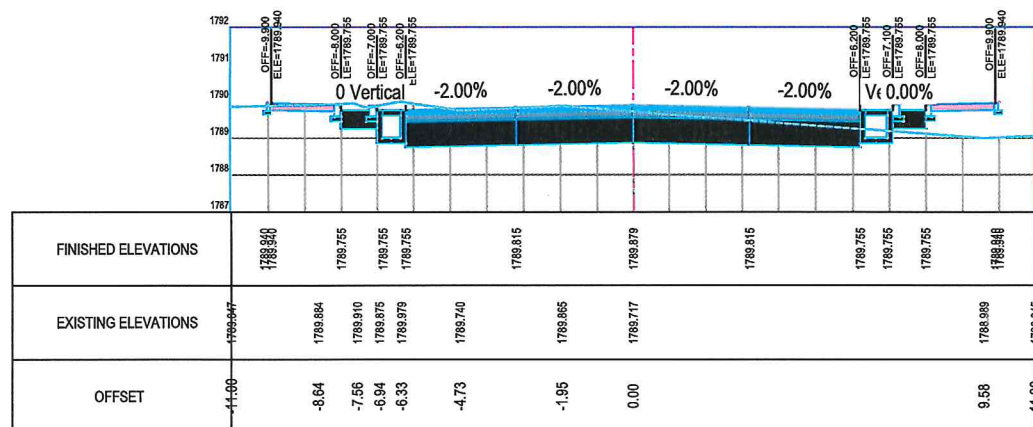
STATION=0+400



STATION=0+420




STATION=0+399



STATION=0+417


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



د افغانستان اسلامي جمهوریت
کابل، سار واکړه
ښاري زیربنا او درېاست

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN


Designed By:


KABUL MUNICIPALITY
DESIGN TEAM


Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION


Drawn:
M.Ali Dawlatzada

Signature:


Designed:
M.Ali Dawlatzada

Signature:


Checked:
Hasibullah Shalizi

Signature:


Checked:

Signature:

Date:
3/17/2025

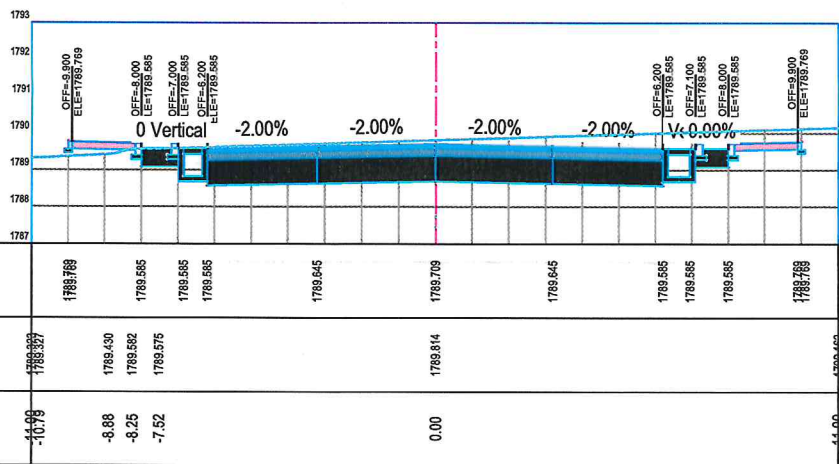
Scale:
1:200

Status:
FINAL
DESIGN

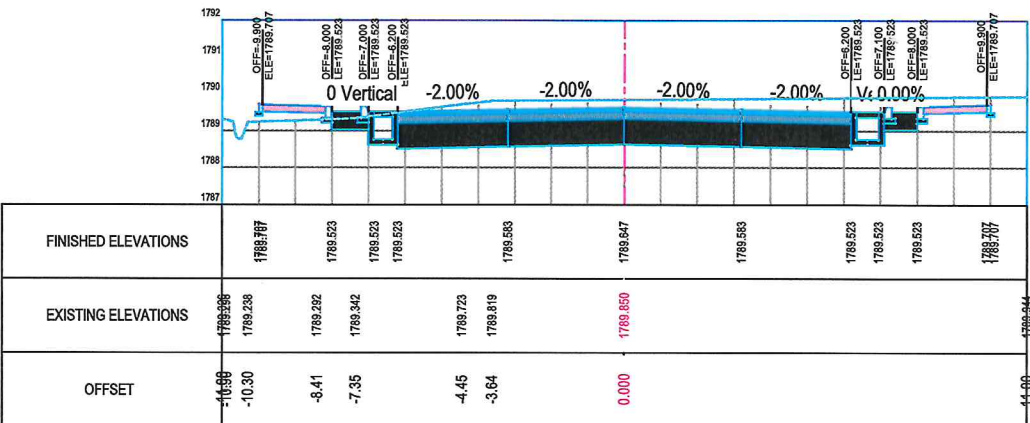
Project Code

SHEET NO.
CS- (5)

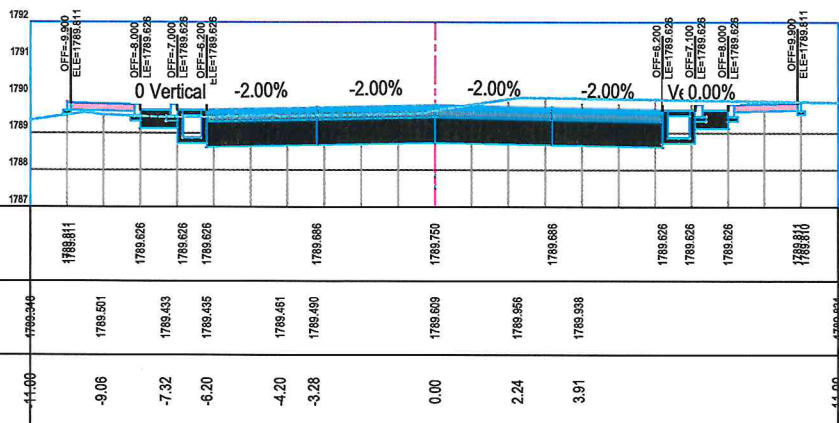
Revision
01



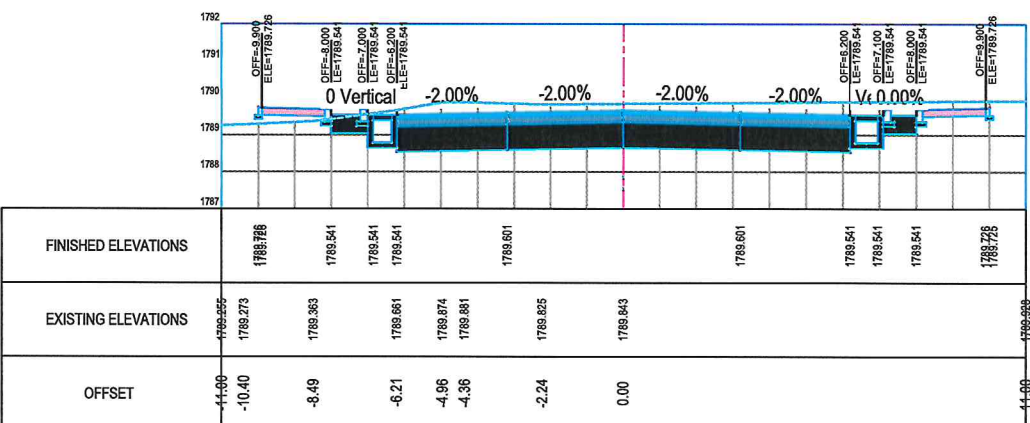
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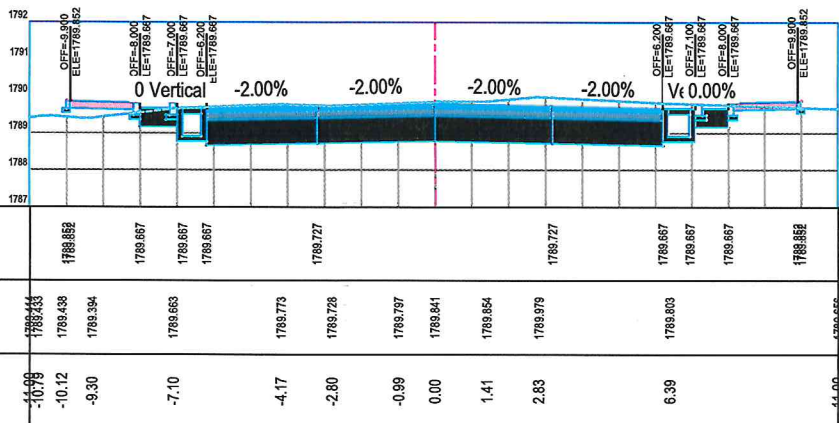
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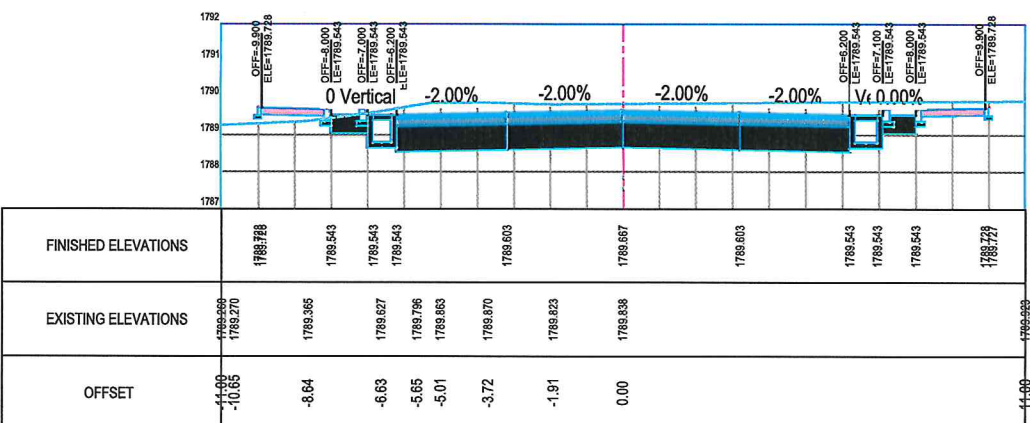
STATION=0+480



STATION=0+521



STATION=0+460



STATION=0+520

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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

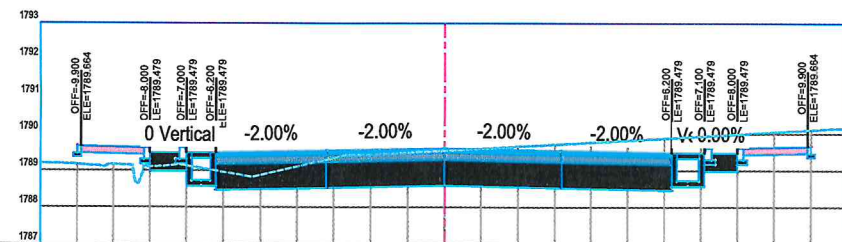
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Designed: M.Ali Dawlatzada
Checked: Hasibullah Shalizi
Checked:

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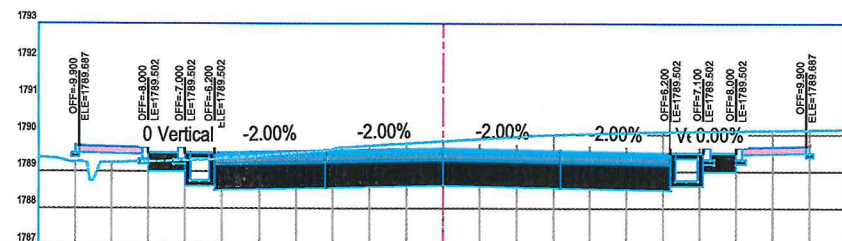
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Scale: 1:200

Status: FINAL DESIGN
Project Code

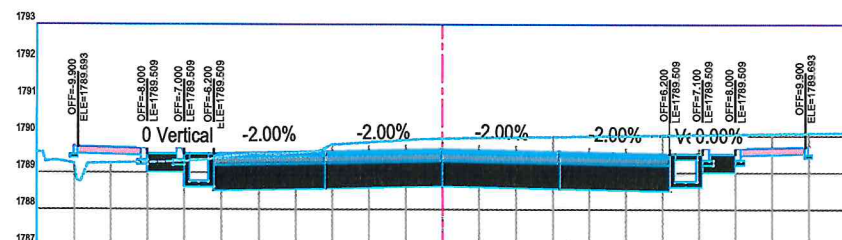
SHEET NO. CS- (6)
Revision 01



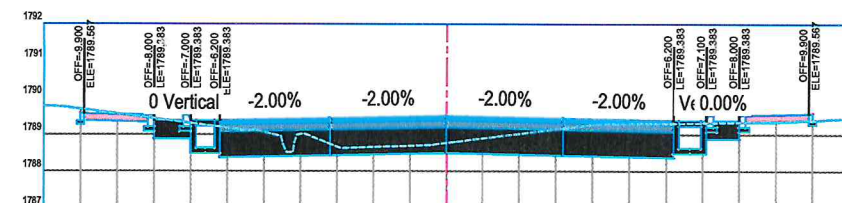
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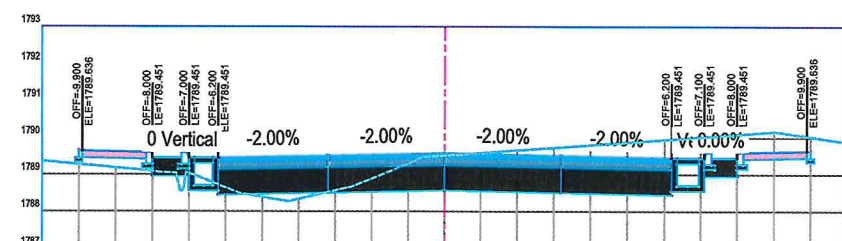
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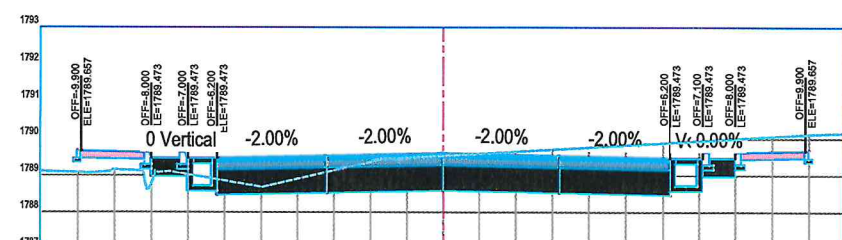
STATION=0+537



STATION=0+580



STATION=0+560



STATION=0+552

NOTE:

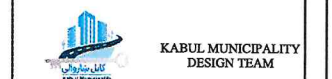
1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details		Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN


Designed By:	
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Project Name:	Alaudin to Chahar Qla Road Project
---------------	------------------------------------

Drawing Title:	
----------------	--

CROSS SECTION

Drawn: M.Ali Dawlatzada	Signature: 
----------------------------	--

Designed: M.Ali Dawlatzada	Signature: 
-------------------------------	--

Checked:	Signature:
Hasibullah Shalizi	

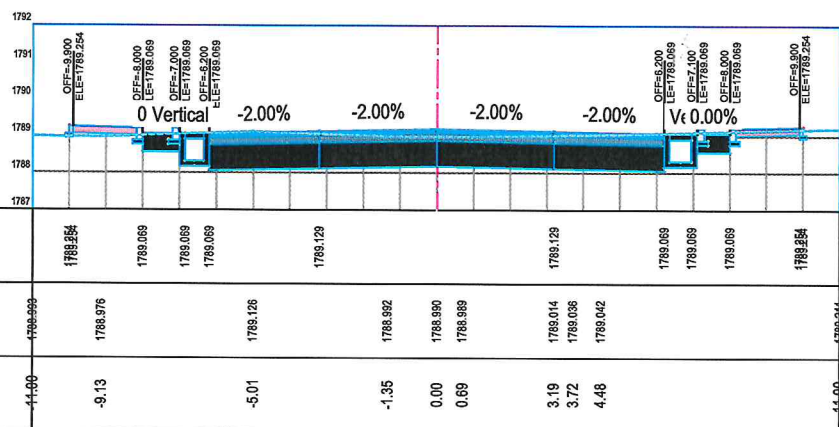
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Date:	3/17/2025	Scale:	1:200
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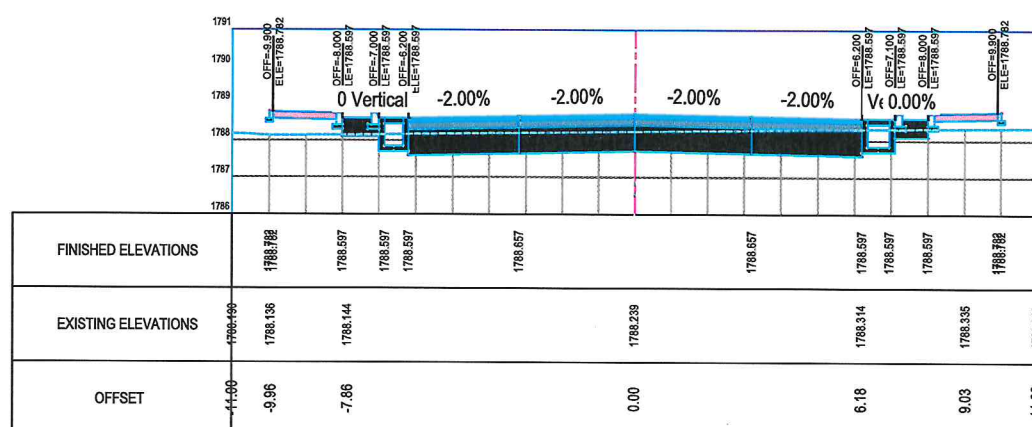
Status:	FINAL DESIGN
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Project Code	
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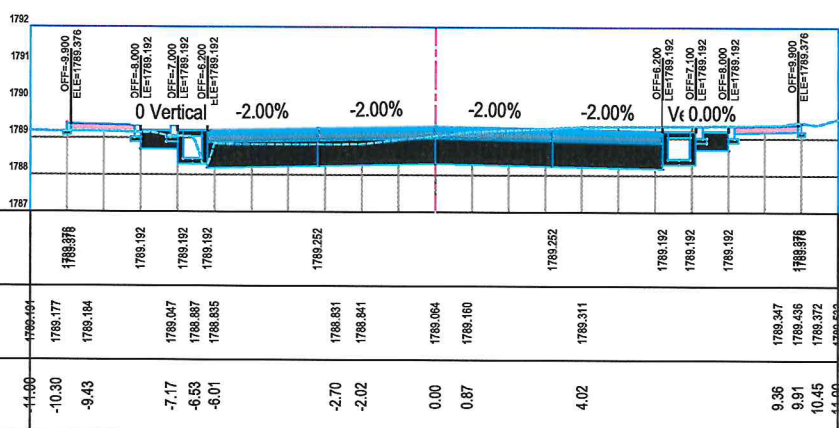
SHEET NO.	Revision
CS- (7)	01



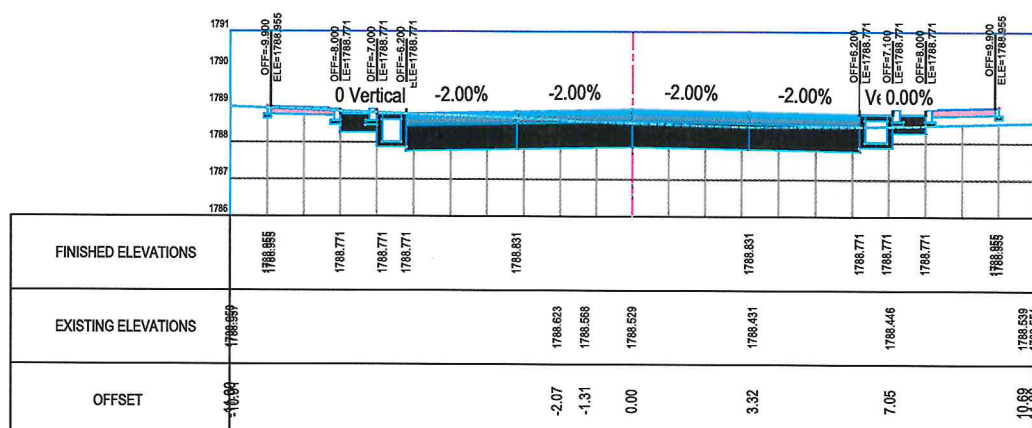
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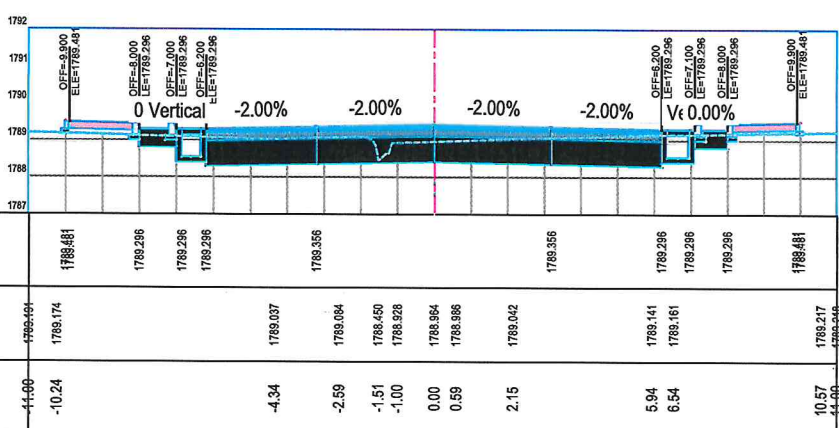
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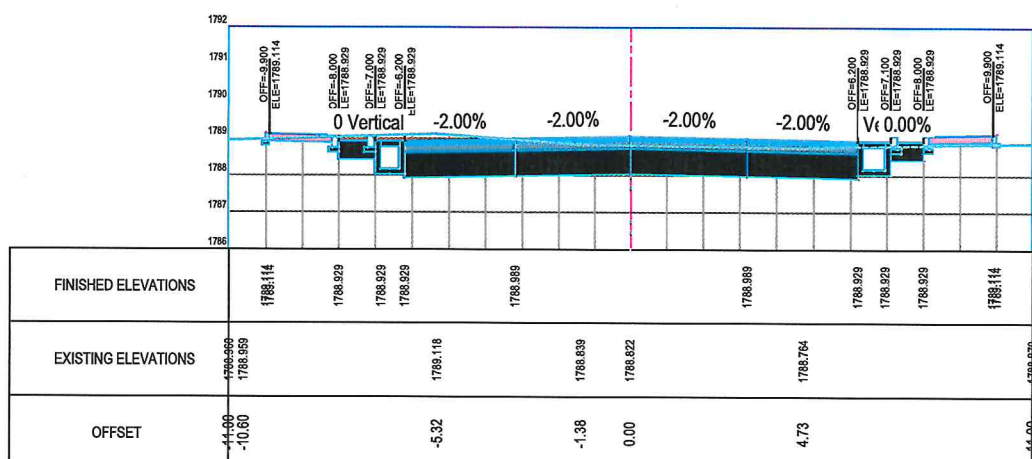
STATION=0+620



STATION=0+680



STATION=0+600



STATION=0+660

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



Rev. Date Revision Details Drawn Chkd Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Hasibullah Shalizi Signature:

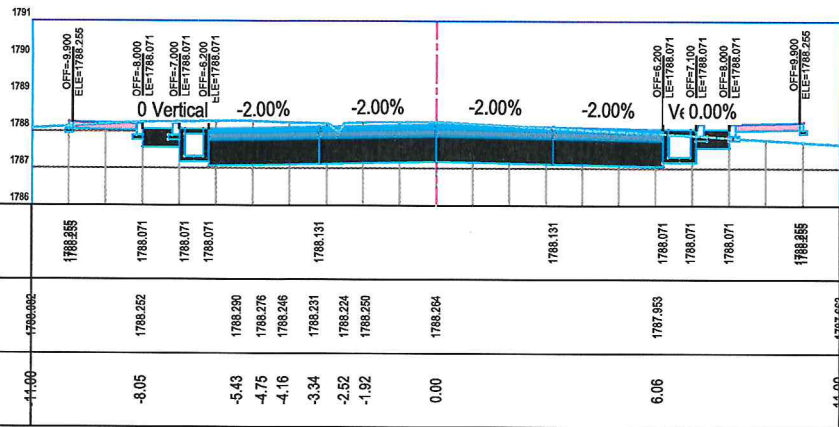
Checked: Signature:

Date: 3/17/2025 Scale: 1:200

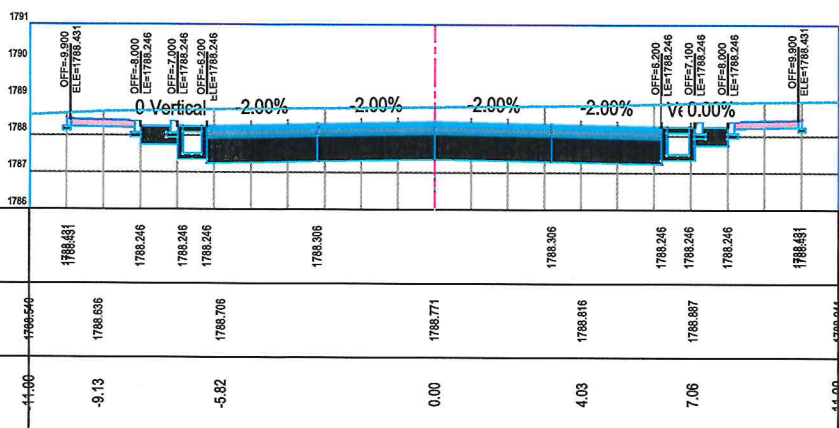
Status: FINAL
DESIGN

Project Code

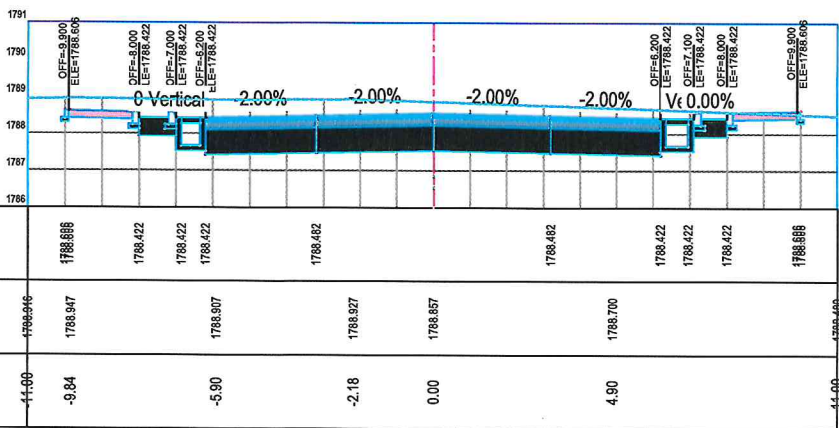
SHEET NO. CS- (8) Revision 01



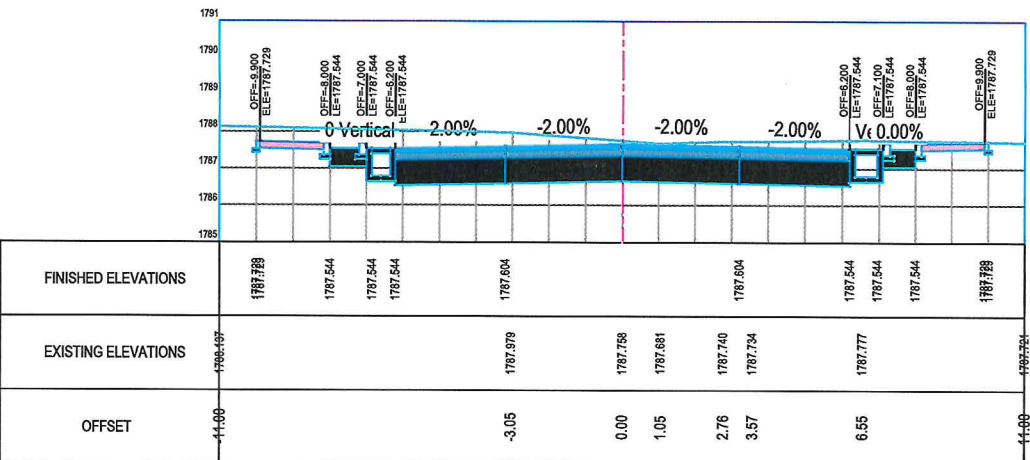
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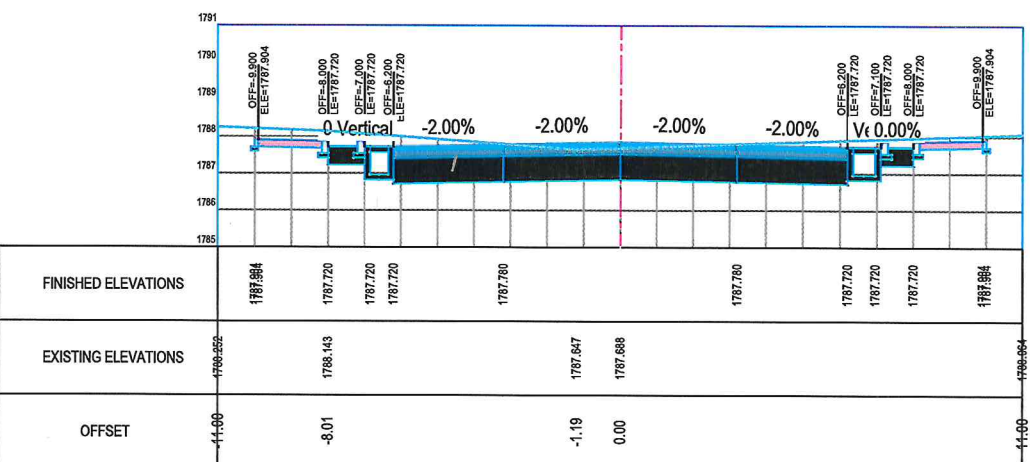
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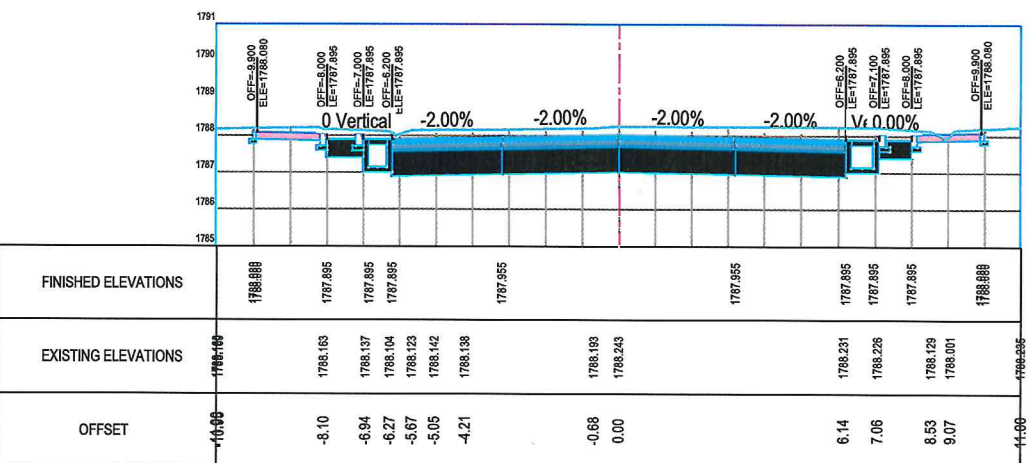
STATION=0+720



STATION=0+820



STATION=0+800



STATION=0+780

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

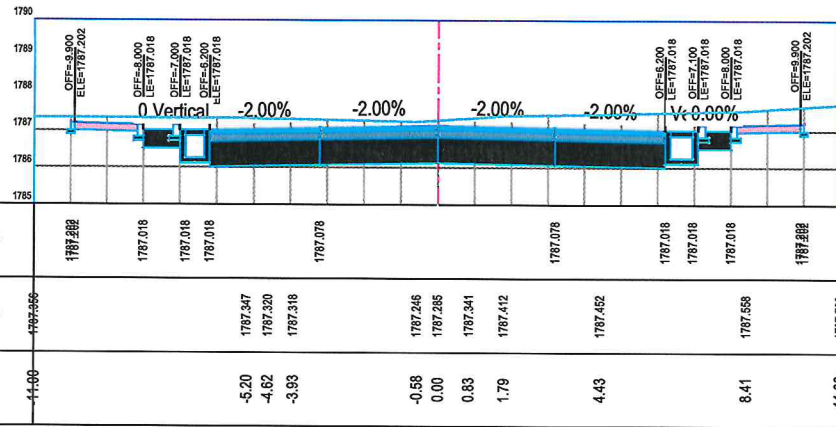
Drawn: M.Ali Dawlatzada
Designed: M.Ali Dawlatzada
Checked: Hasibullah Shalizi
Checked: Signature:

Date: 3/17/2025
Scale: 1:200

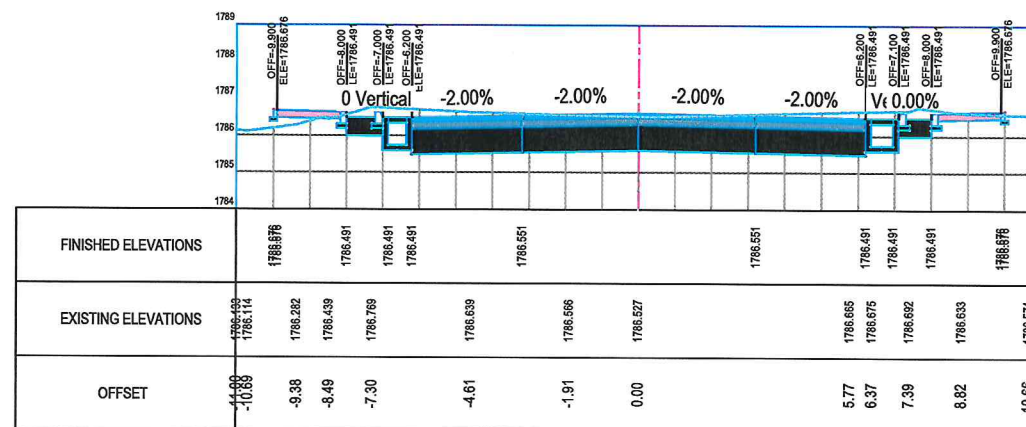
Status: FINAL DESIGN

Project Code

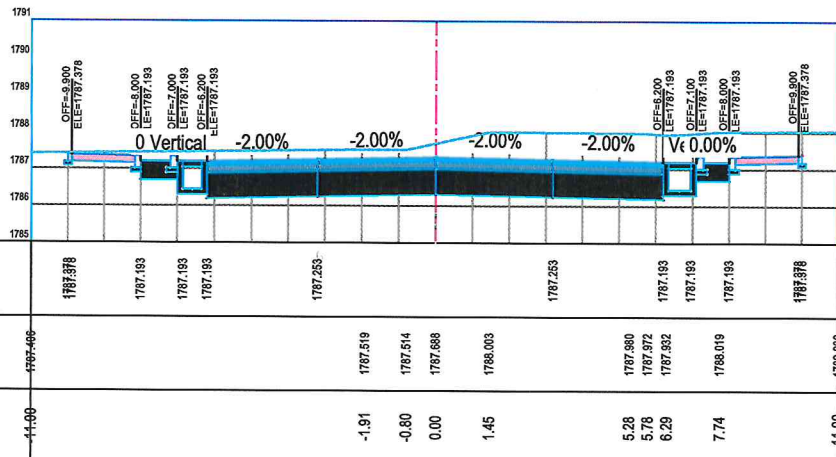
SHEET NO. CS- (9)
Revision 01



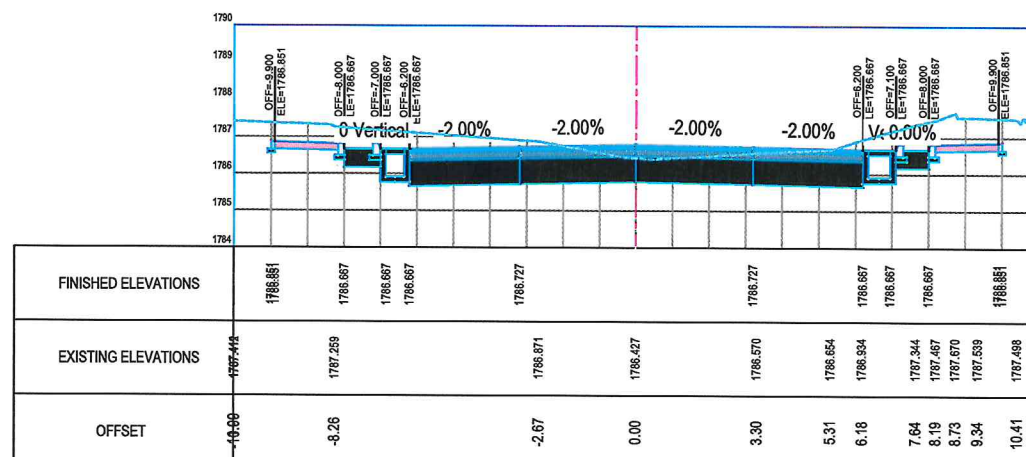
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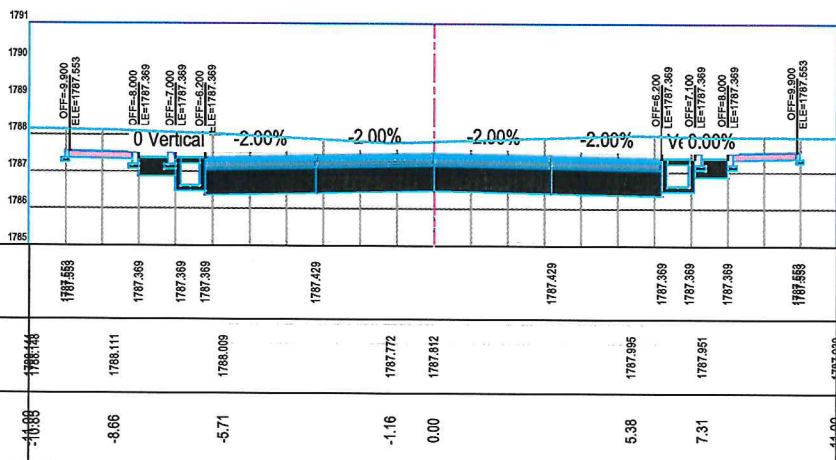
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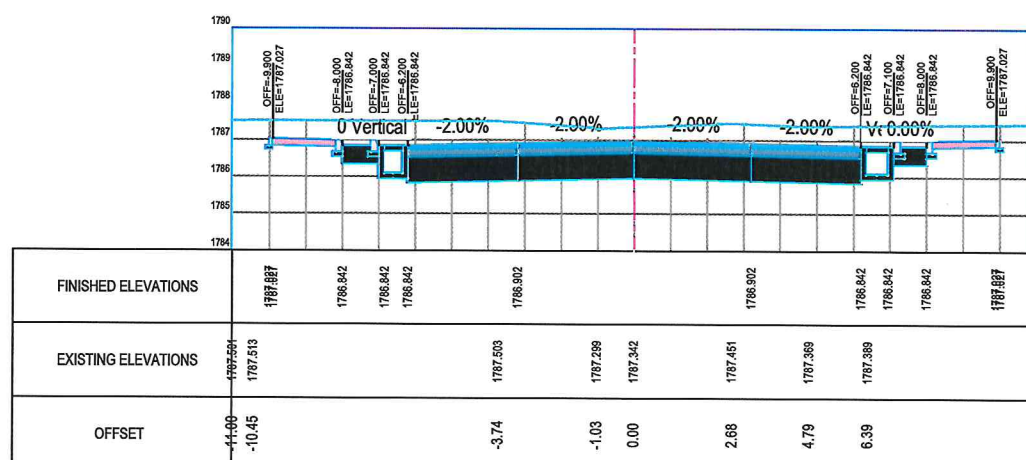
STATION=0+860



STATION=0+920



STATION=0+840



STATION=0+900

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chabar Qla Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

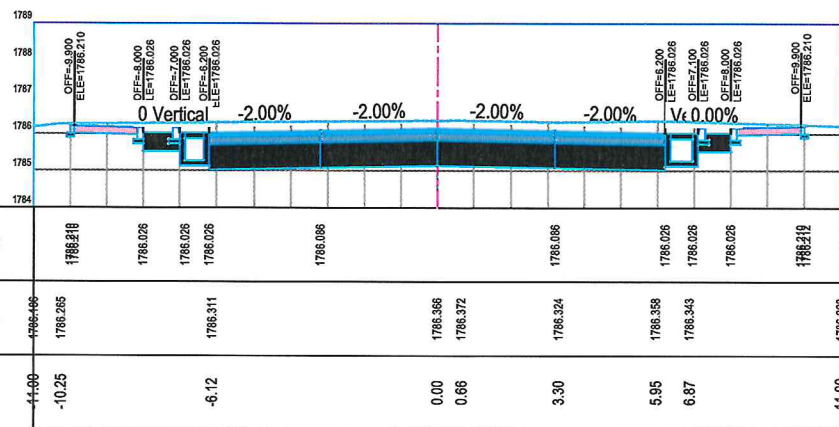
Checked: Signature:

Date: 3/17/2025 Scale: 1:200

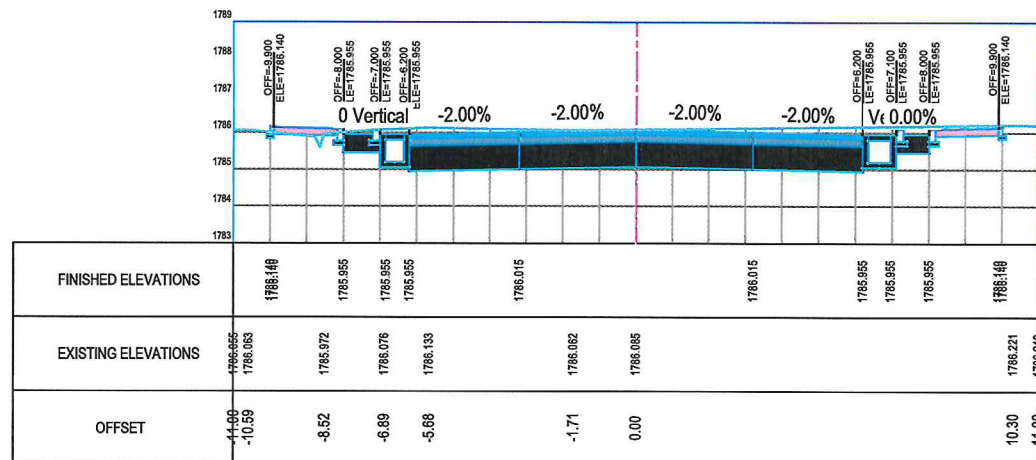
Status: FINAL
DESIGN

Project Code

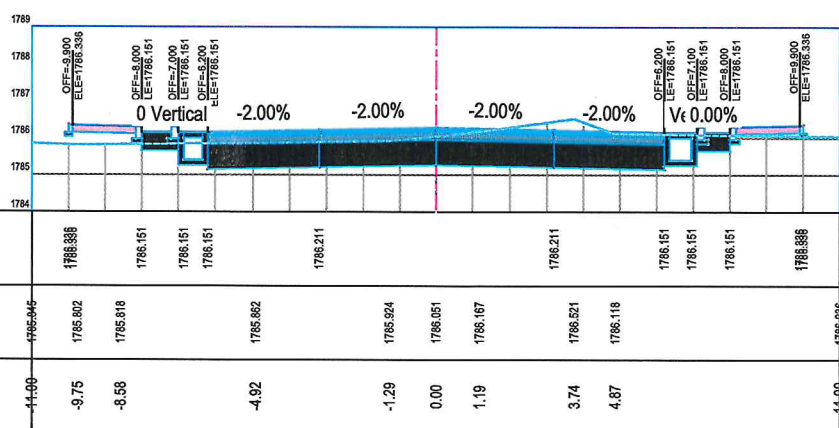
SHEET NO. CS- (10) Revision 01



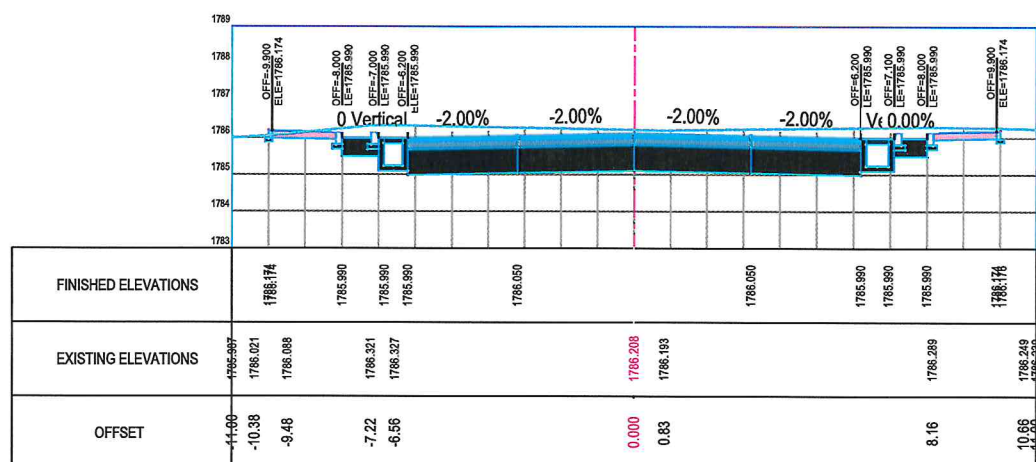
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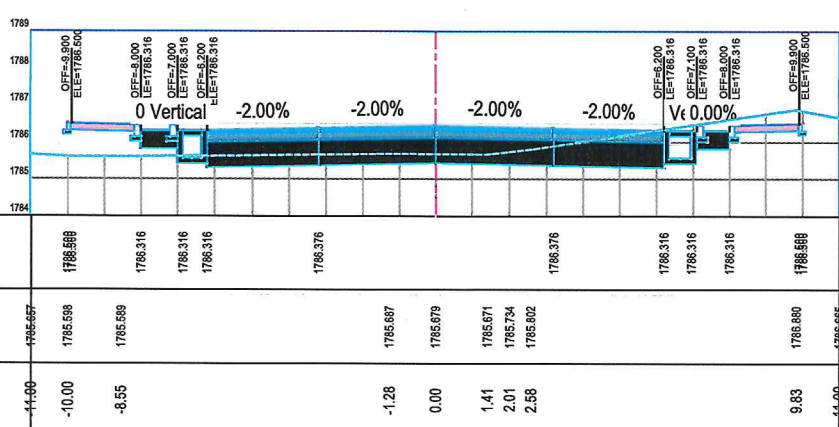
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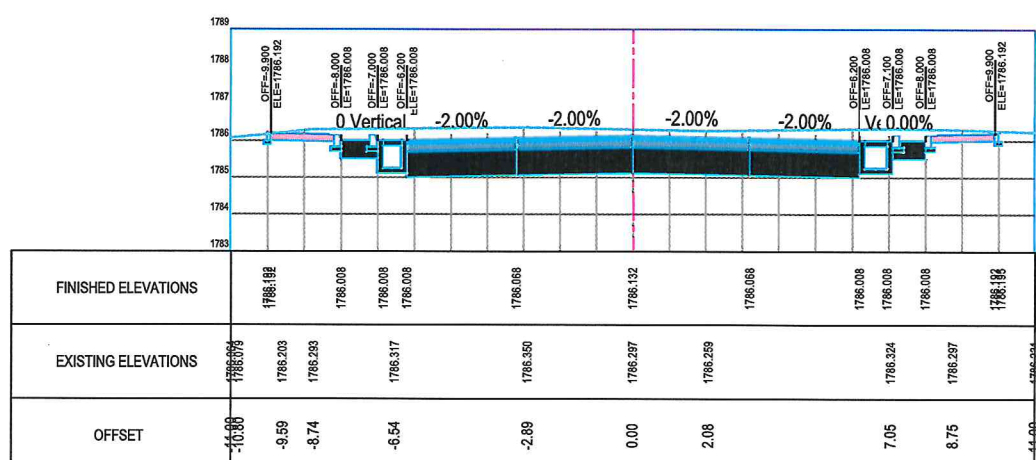
STATION=0+980



STATION=1+003



STATION=0+960



STATION=1+000

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

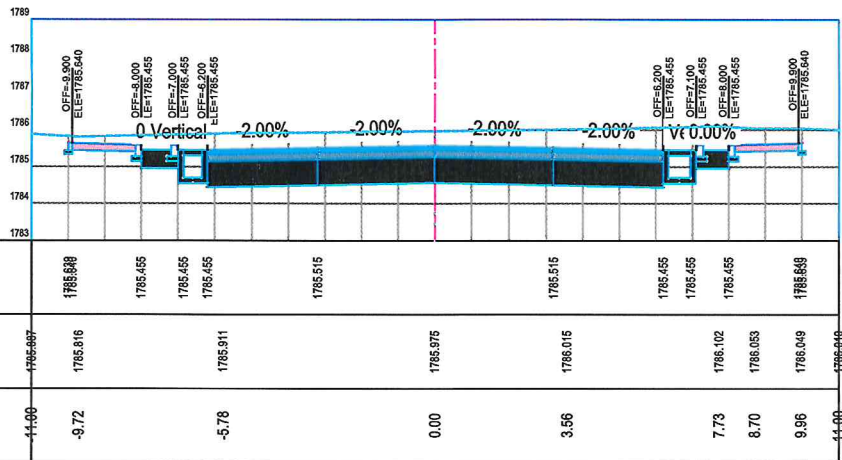
Checked: Signature:

Date: 3/17/2025 Scale: 1:200

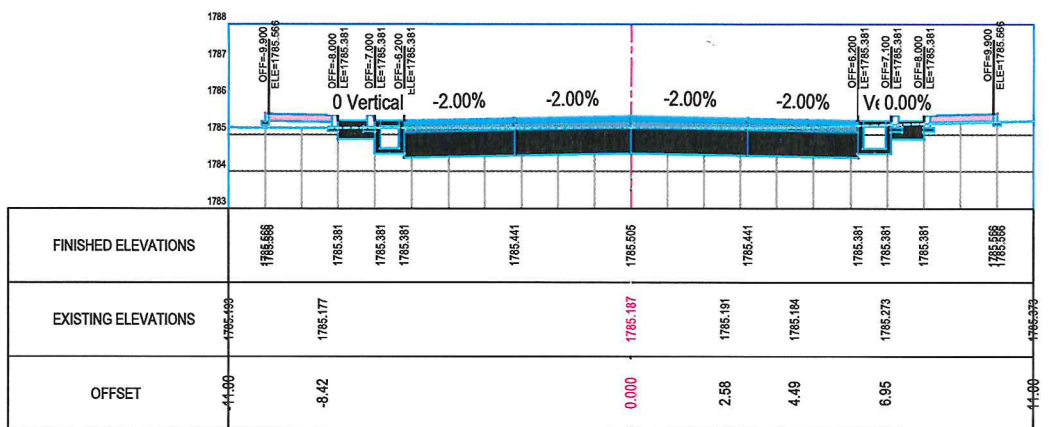
Status: FINAL
DESIGN

Project Code

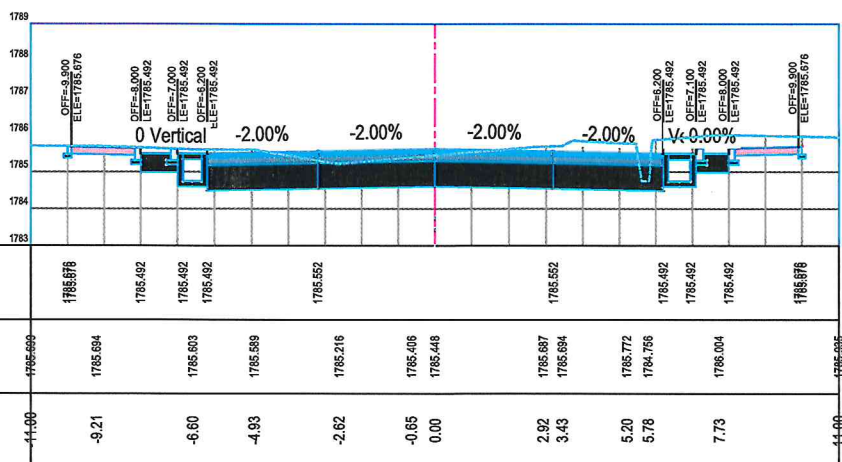
SHEET NO. CS- (11) Revision 01



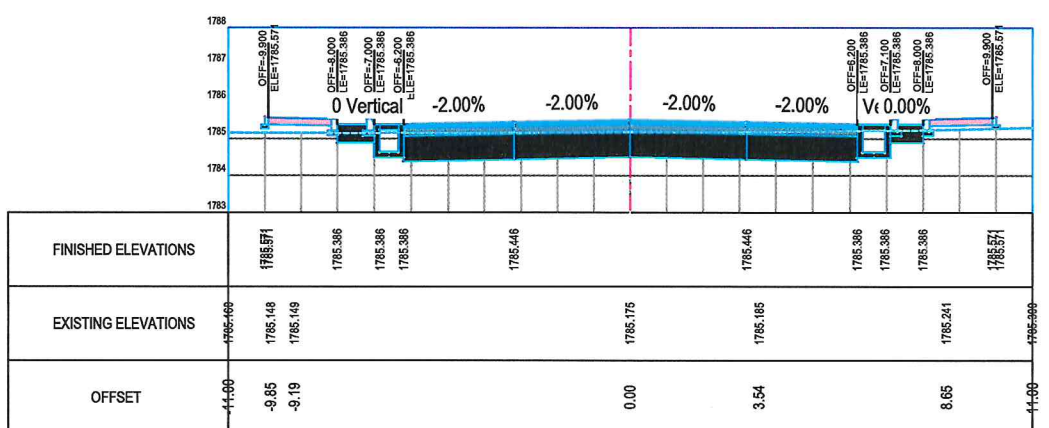
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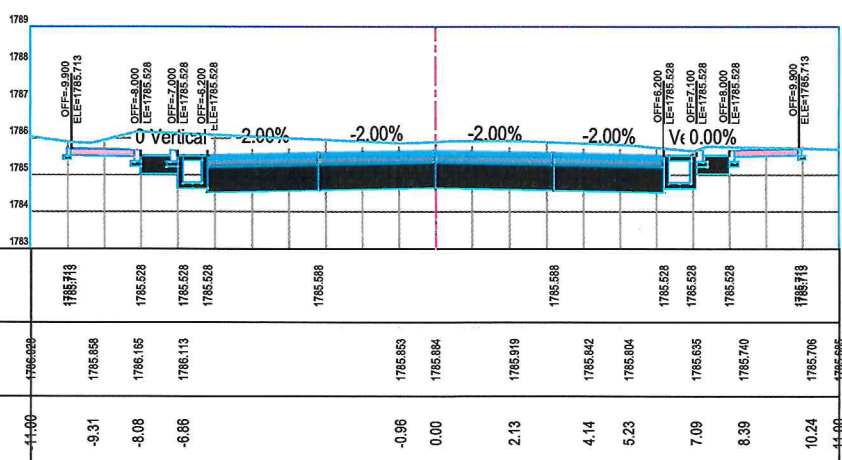
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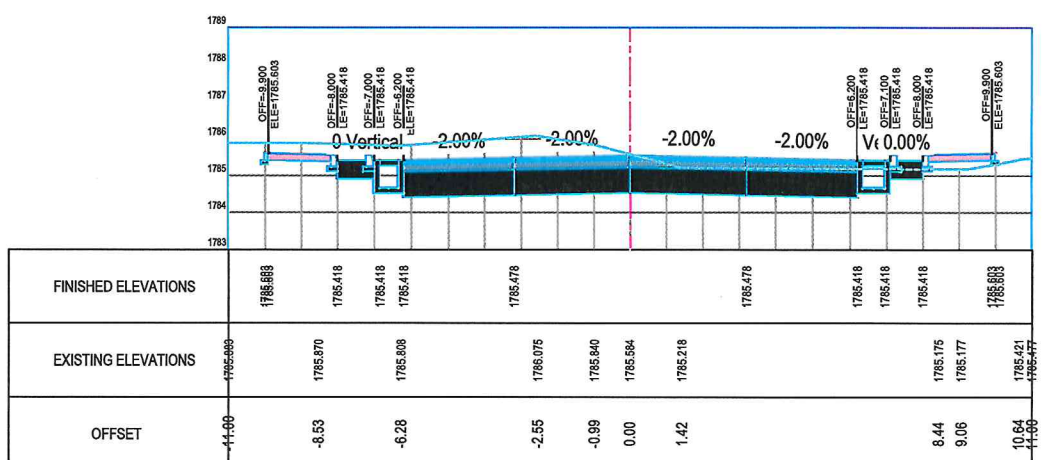
STATION=1+160



STATION=1+217



STATION=1+140



STATION=1+200

NOTE:

1. All dimensions are in meters unless otherwise indicated.

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

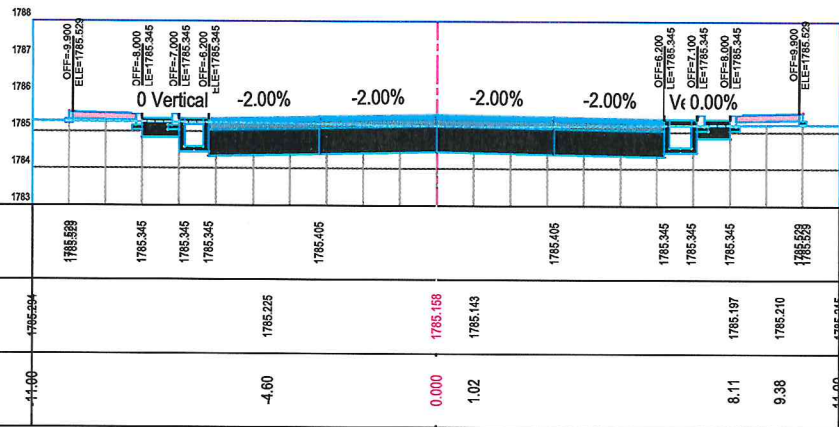
Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 3/17/2025	Scale: 1:200
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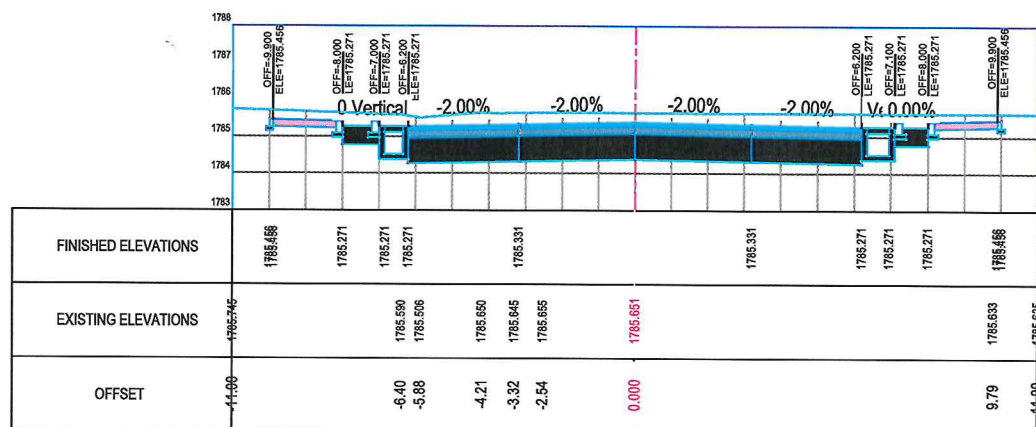
Status: **FINAL DESIGN**

Project Code:

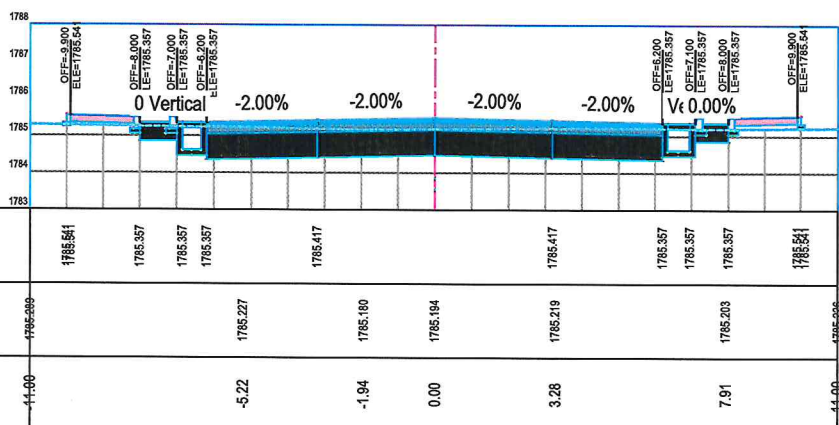
SHEET NO. CS- (13)	Revision 01
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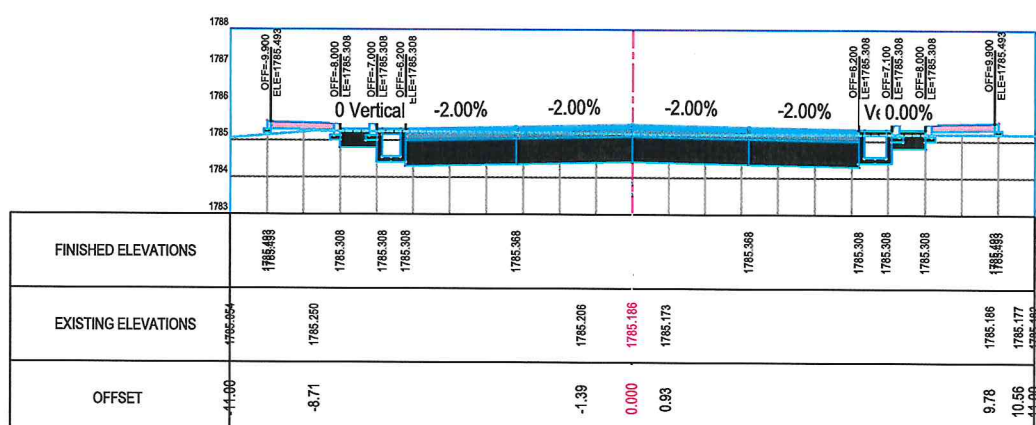
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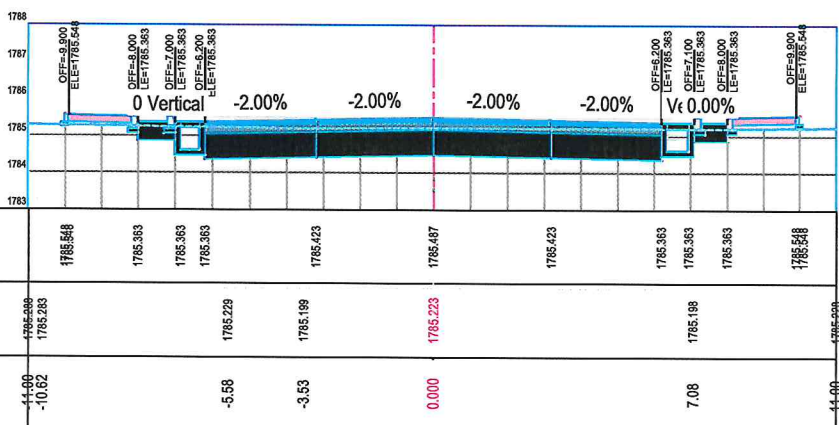
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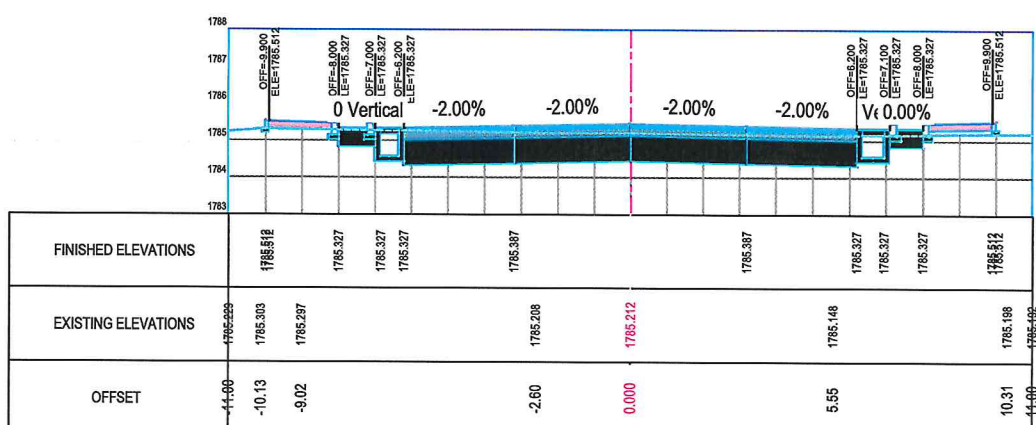
STATION=1+233



STATION=1+260



STATION=1+230



STATION=1+250

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Hasibullah Shalizi Signature:

Checked: Signature:

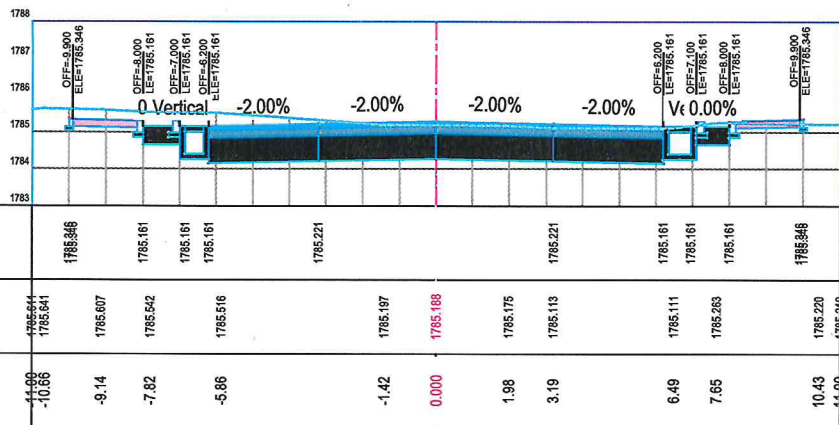
Date: 3/17/2025 Scale: 1:200

Status: FINAL DESIGN

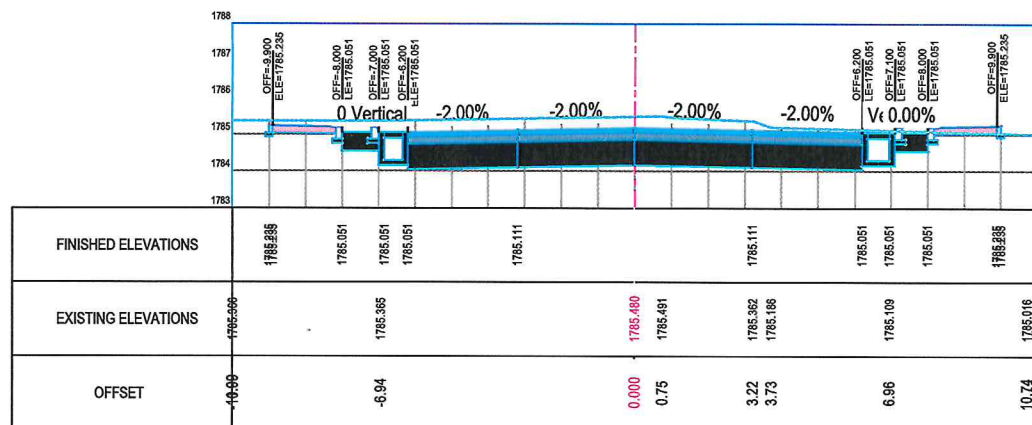
Project Code

SHEET NO. Revision

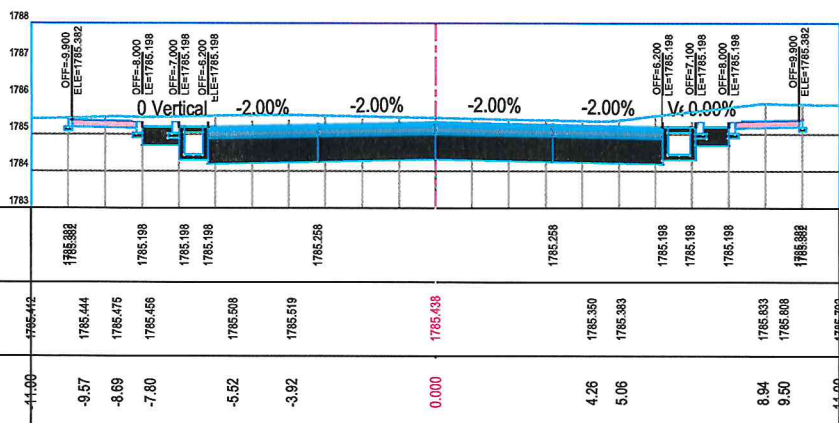
CS- (14) 01



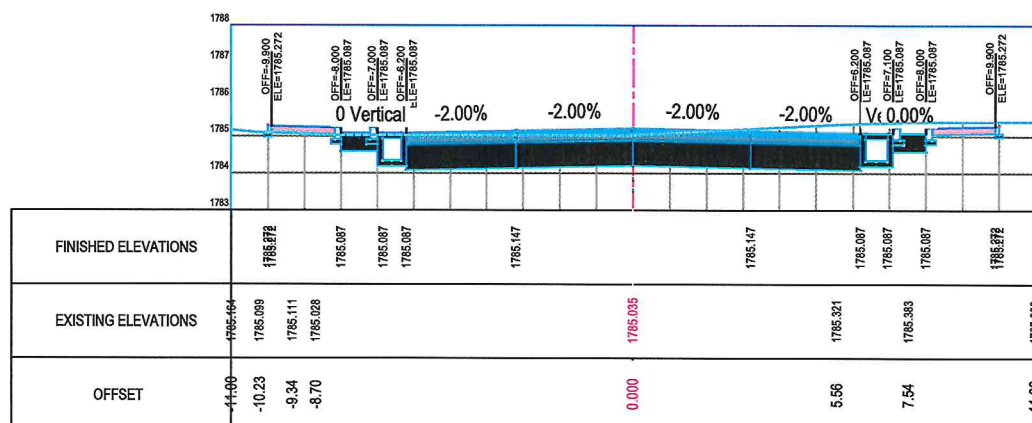
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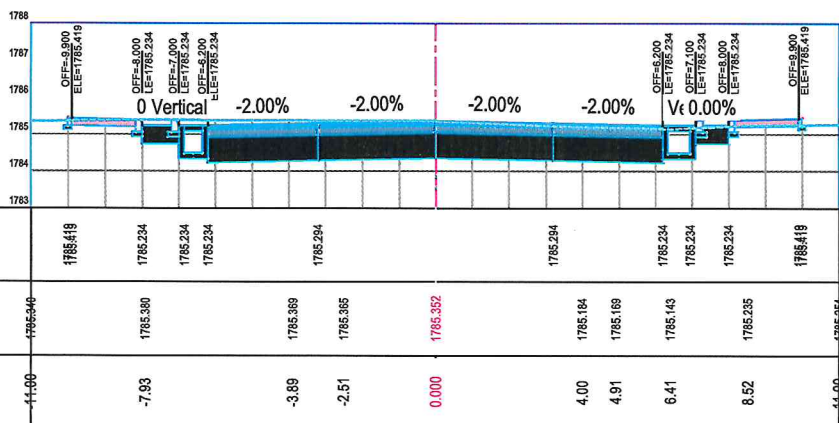
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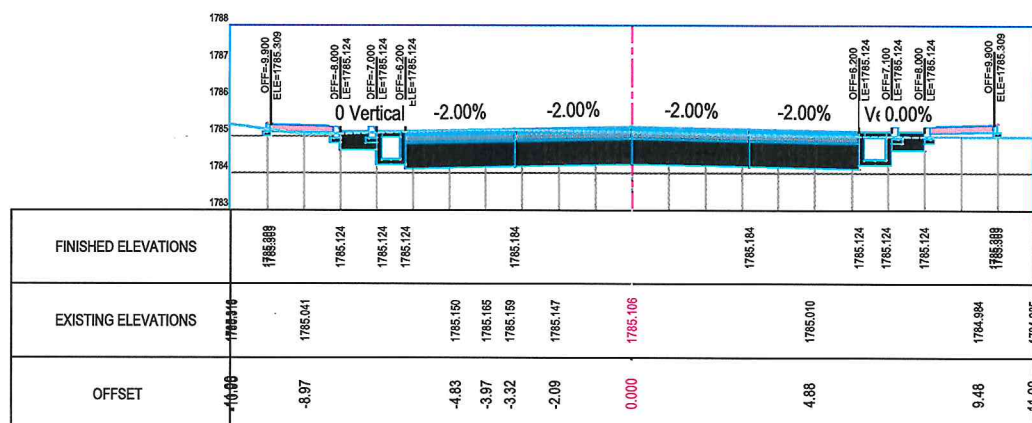
STATION=1+320



STATION=1+380



STATION=1+300



STATION=1+360

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date:
3/17/2025

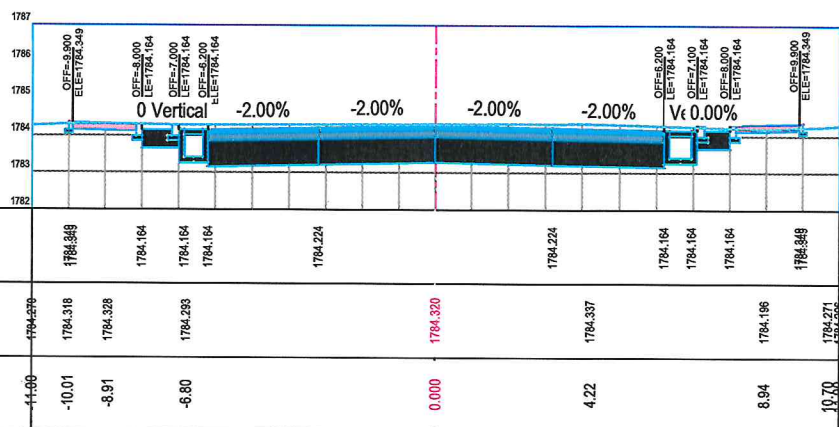
Scale:
1:200

Status:
FINAL DESIGN

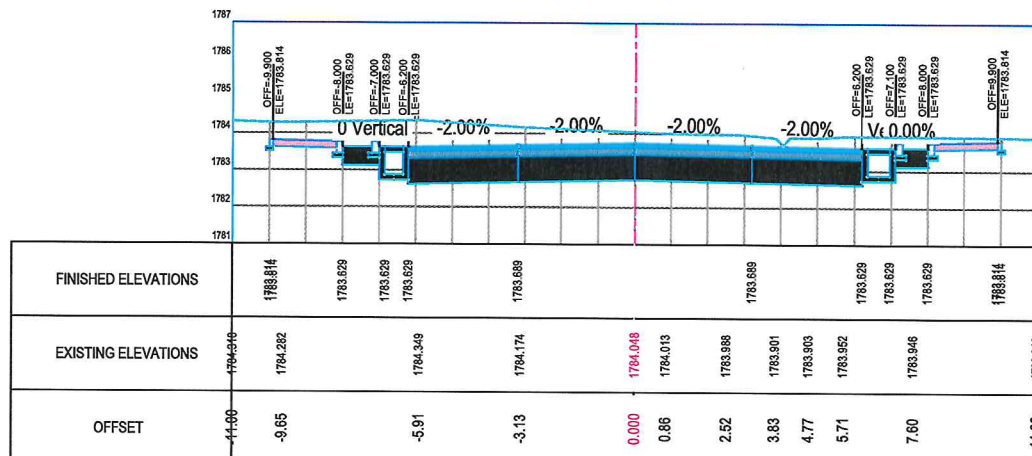
Project Code

SHEET NO.
CS- (15)

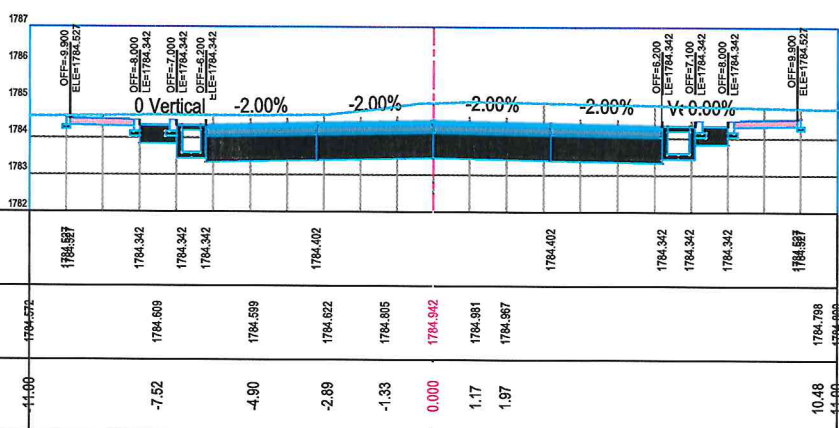
Revision
01



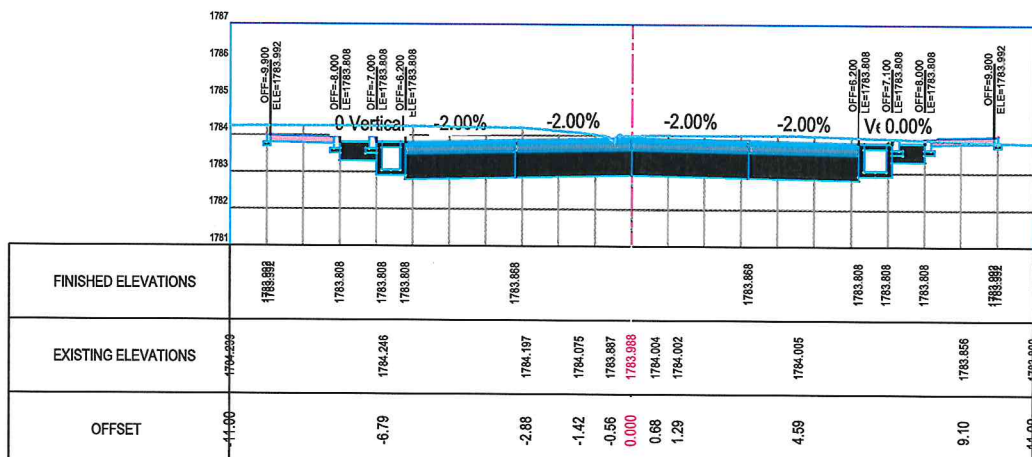
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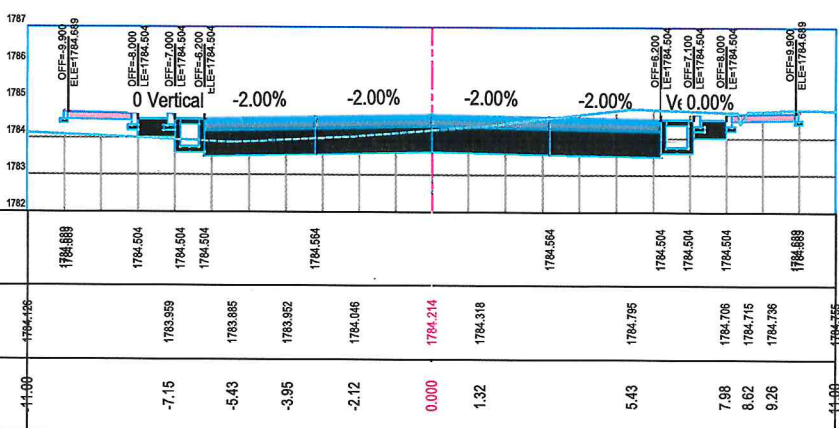
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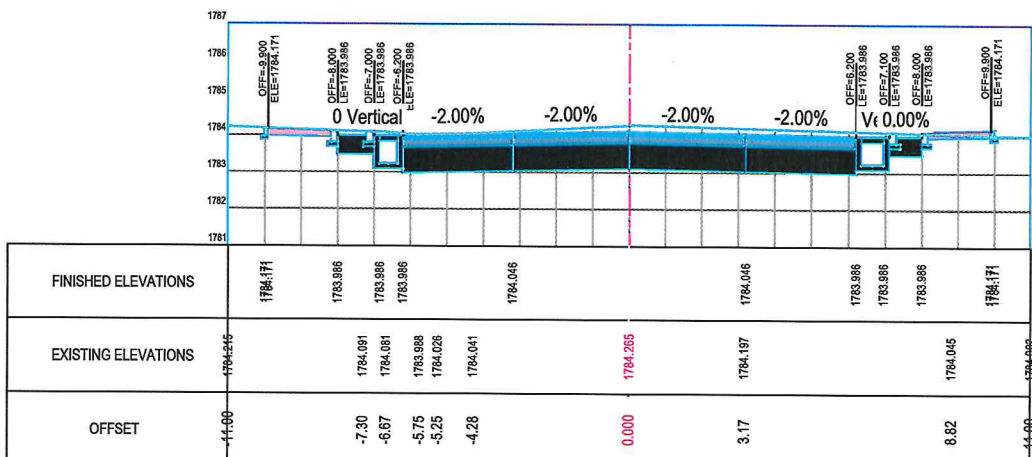
STATION=1+560



STATION=1+620



STATION=1+540



STATION=1+600

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

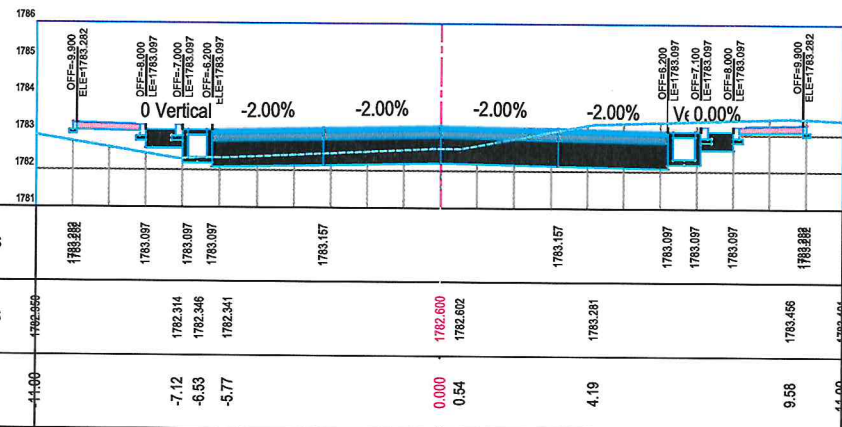
Drawn:	M.Ali Dawlatzada	Signature:	
Designed:	M.Ali Dawlatzada	Signature:	
Checked:	Hasibullah Shalizi	Signature:	
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Date: 3/17/2025 Scale: 1:200

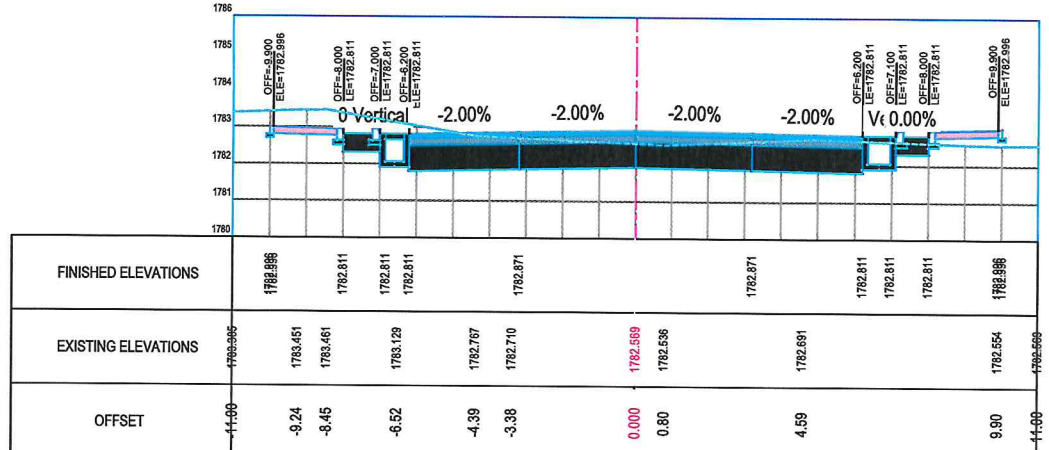
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Project Code

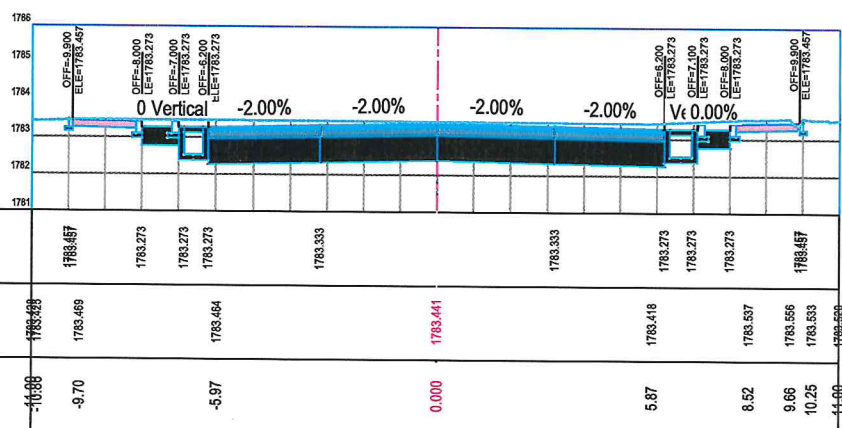
SHEET NO. CS- (17) Revision 01



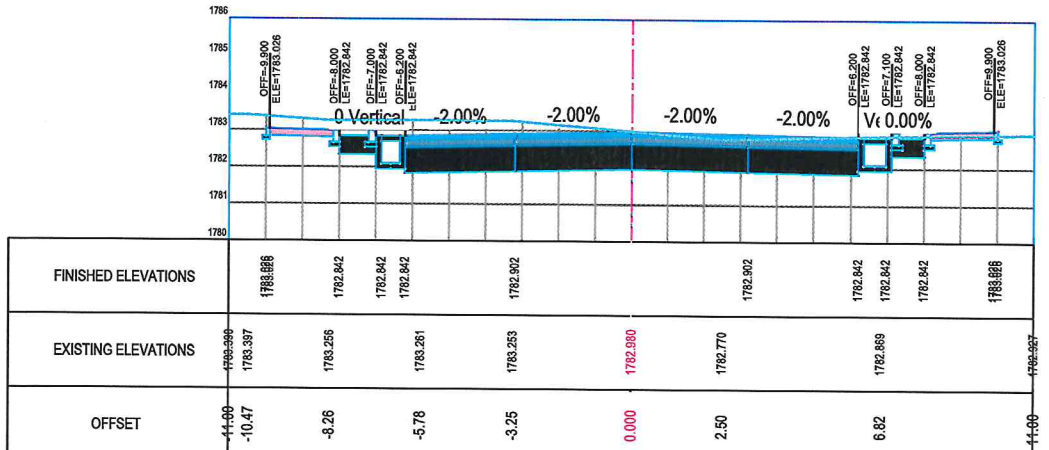
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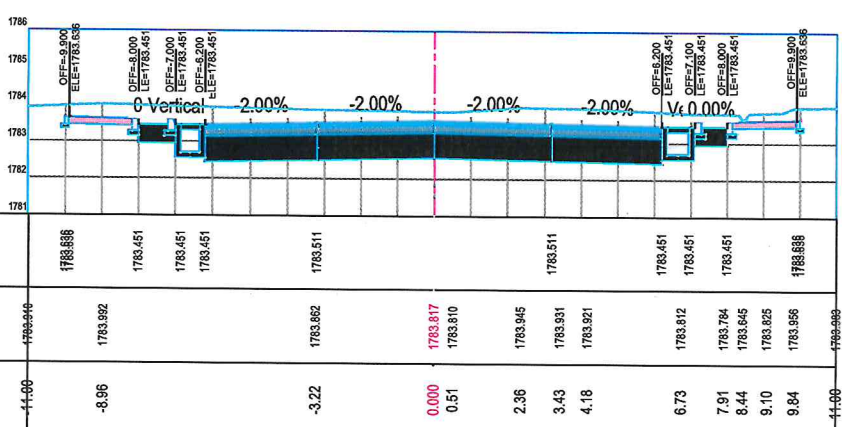
STATION=1+747



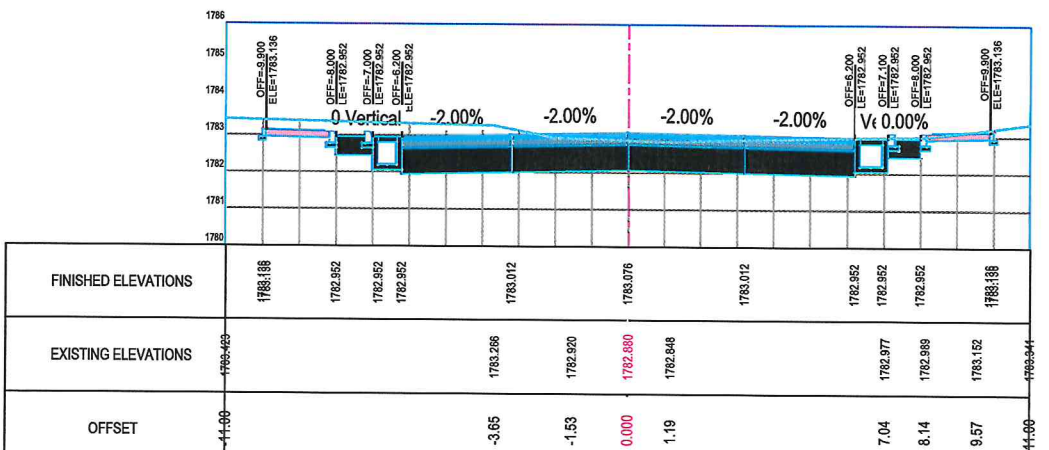
STATION=1+680



STATION=1+740



STATION=1+660



STATION=1+720

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

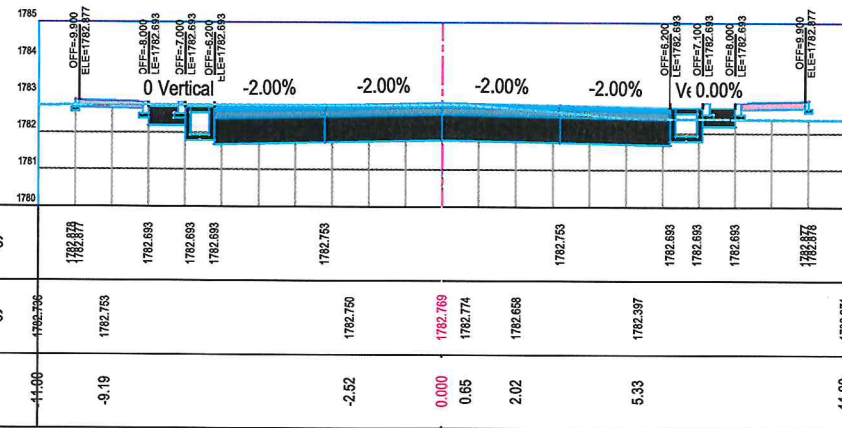
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hasibullah Shalizi
Signature: [Signature]

Date: 3/17/2025
Scale: 1:200

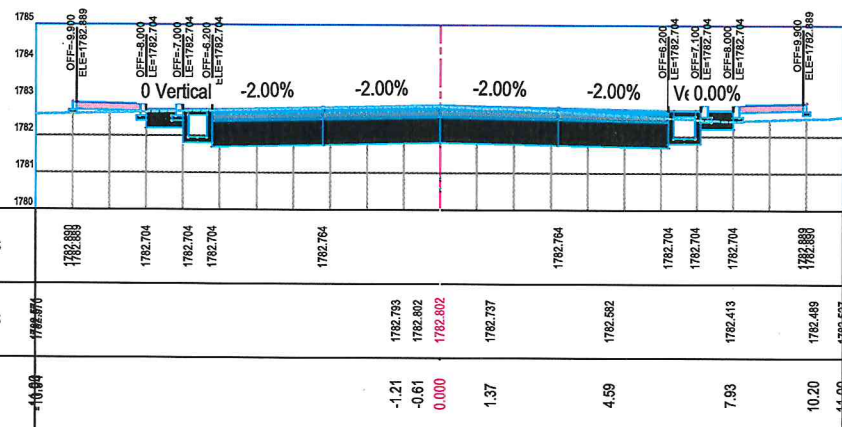
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Project Code

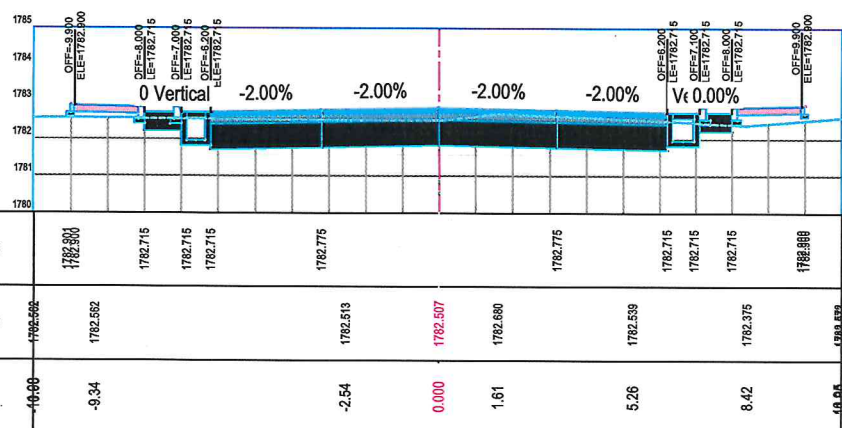
SHEET NO. CS- (18)
Revision 01



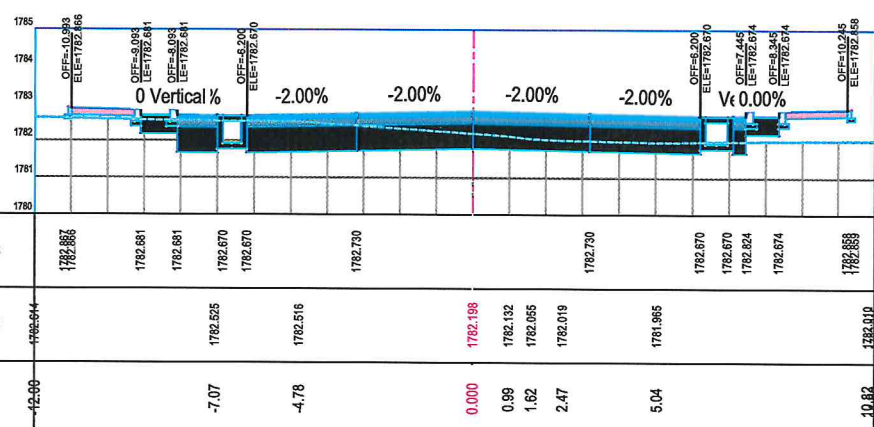
STATION=1+840



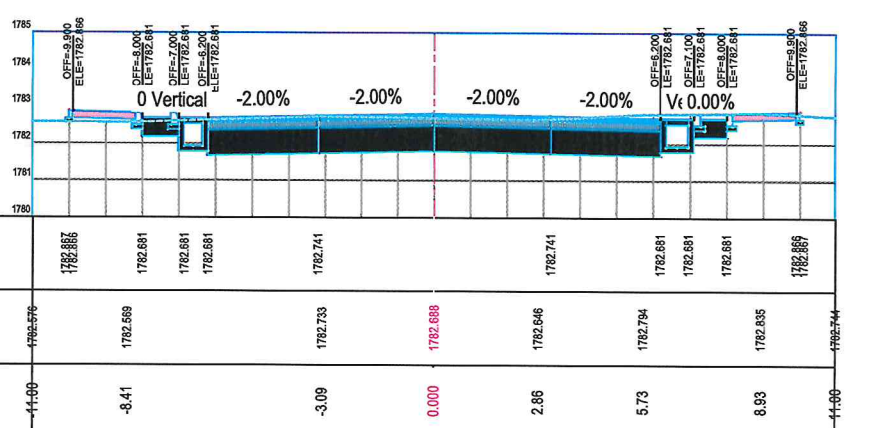
STATION=1+820



STATION=1+800



STATION=1+880



STATION=1+860

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:
 KABL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:
CROSS SECTION

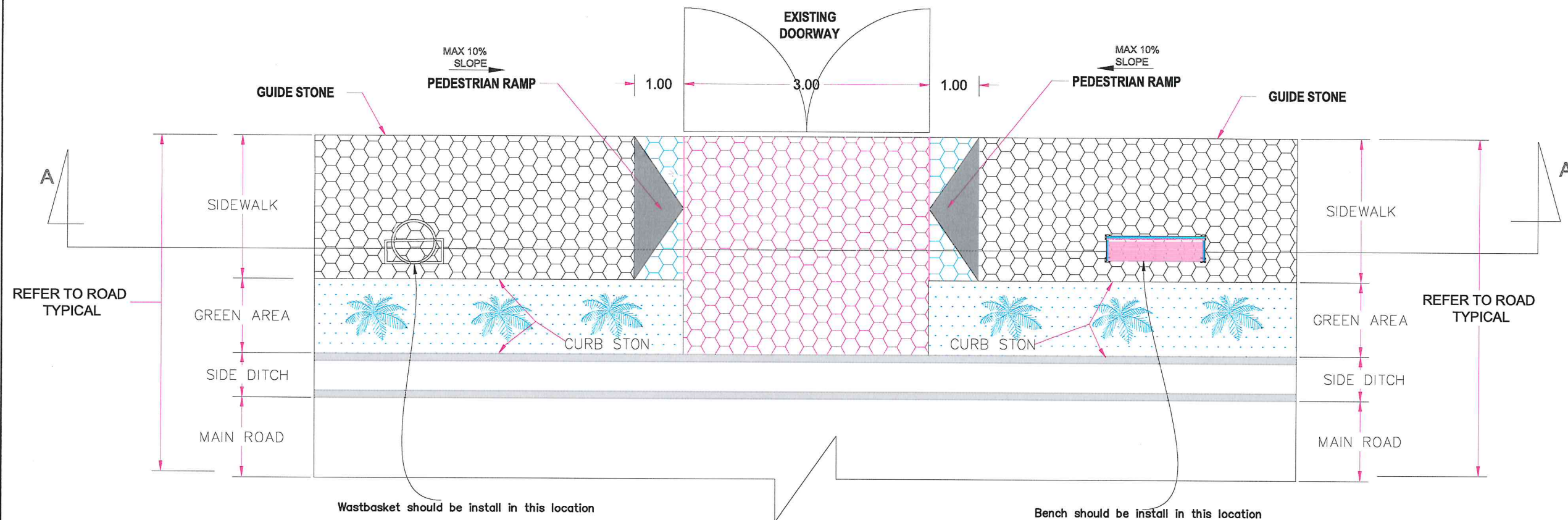
Drawn: M.Ali Dawlatzada	Signature: 
Designed: M.Ali Dawlatzada	Signature: 
Checked: Hasibullah Shalizi	Signature: 
Checked:	Signature:

Date: 3/17/2025 Scale: 1:200

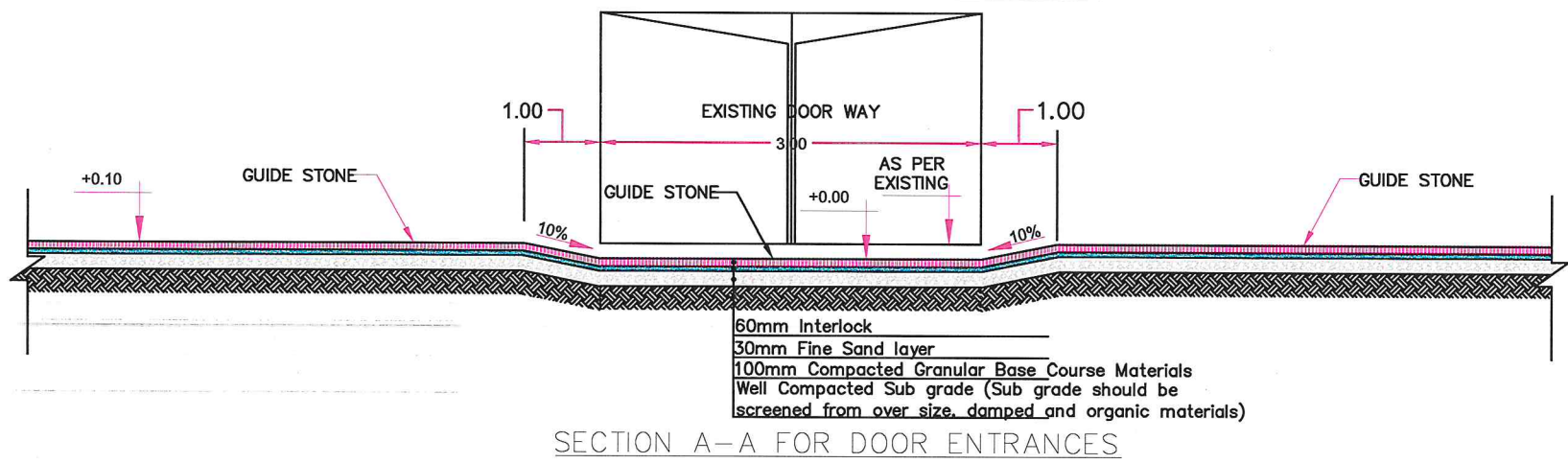
Status: **FINAL
DESIGN**

Project Code:

SHEET NO. CS- (20)	Revision 01
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DOOR ENTRANCES PLAN AND DETAIL



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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qala Road Project

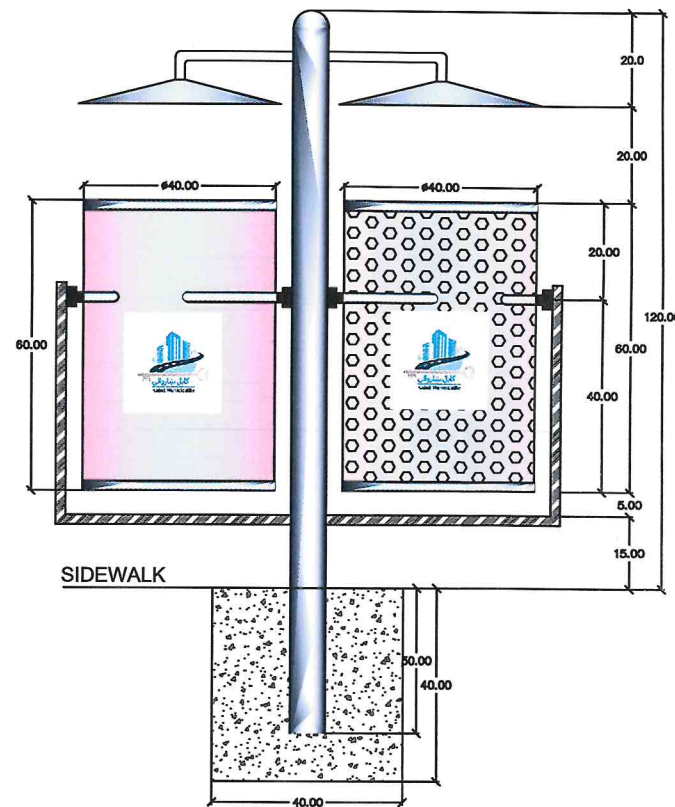
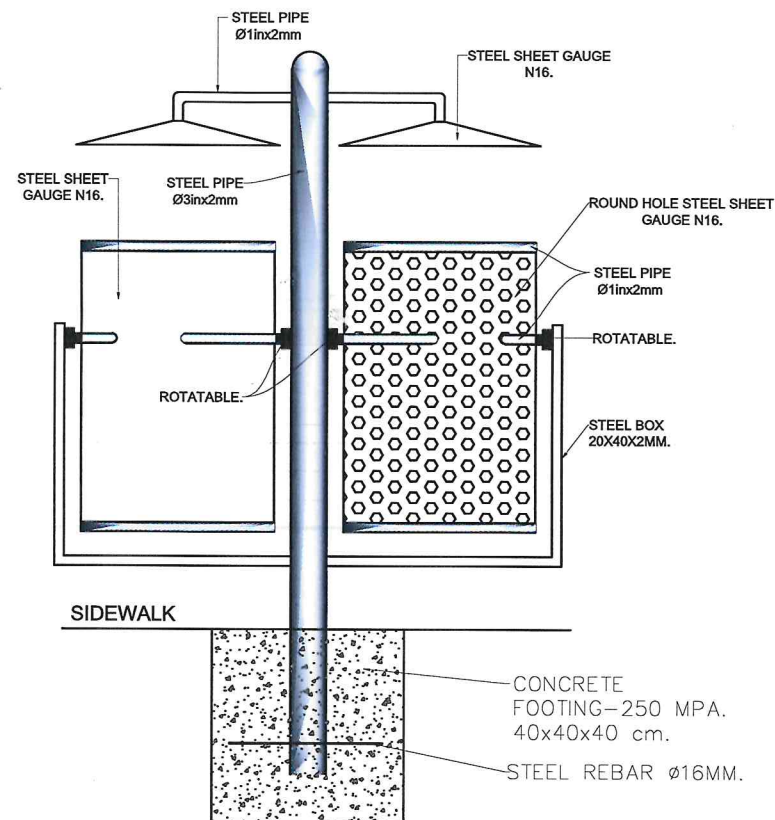
Drawing Title:
DOOR ENTRANCES

Drawn: M.Ali Dawlatzada
Designed: M.Ali Dawlatzada
Checked: Hasibullah Shalizi

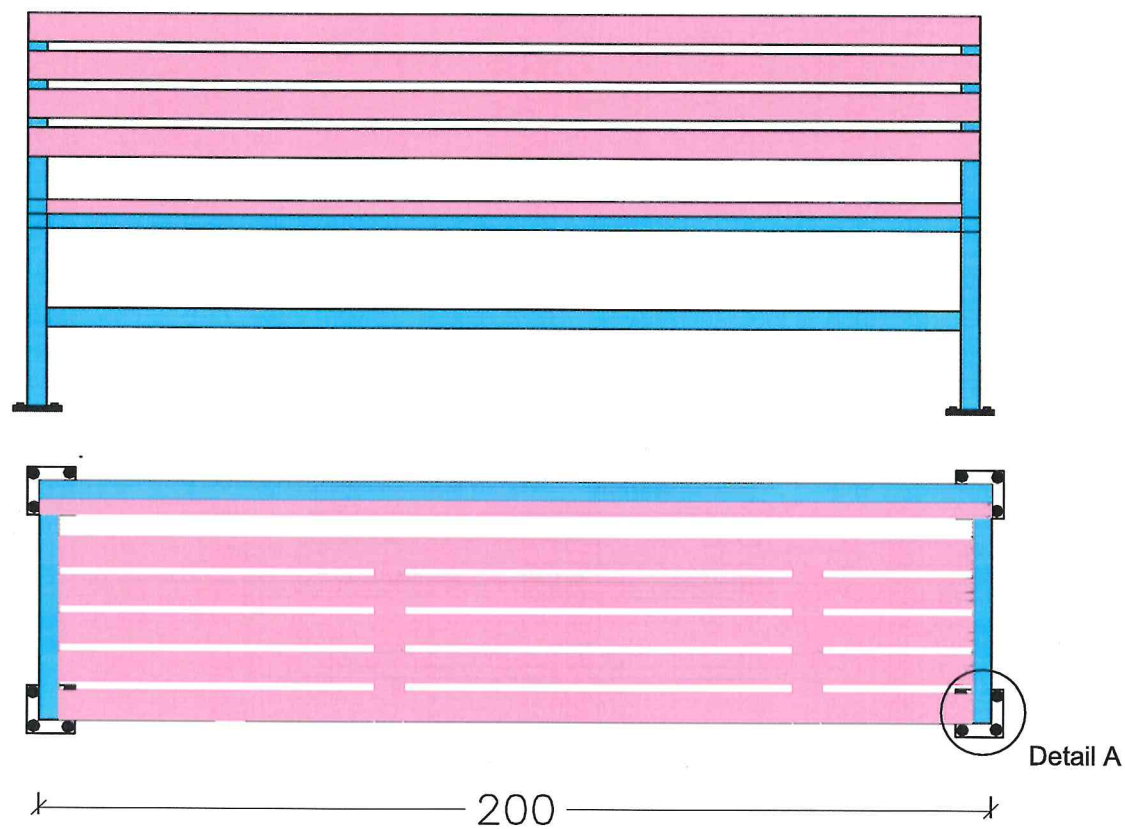
Date: 3/2/2025
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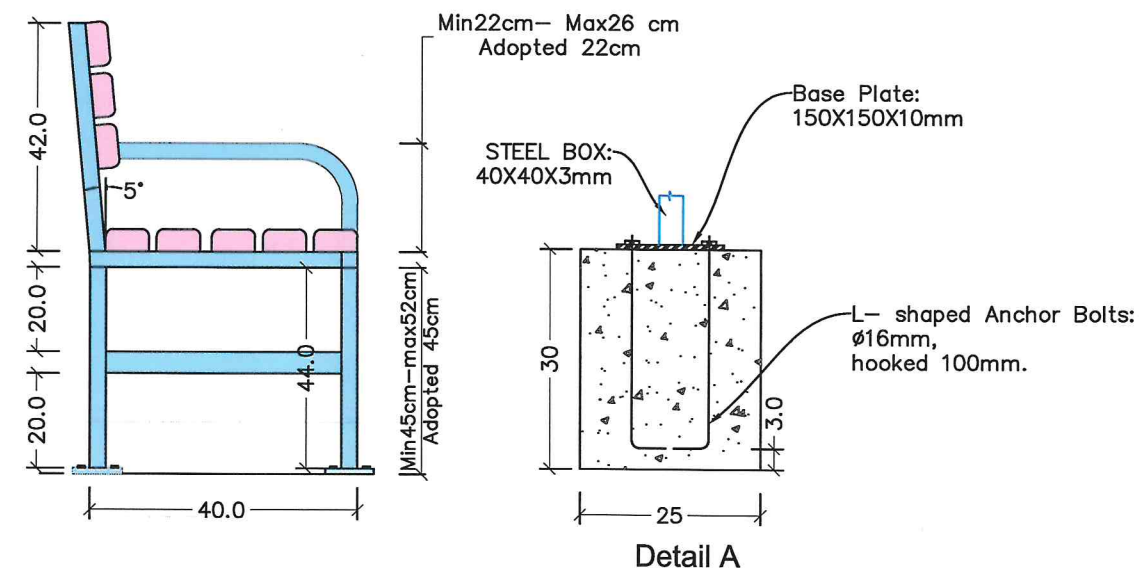
Project Code:
SHEET NO. 01



Note: should be applying an anti-rust primer to protect the metal surface from corrosion. Next, apply a topcoat to improve its appearance and add extra durability against water and weather. wastebasket should be installing for every-200m.



BENCH SHOULD BE INSTALLING FOR EVERY-350M.



NOTE:

1. Bench Dimensions Steel Box profile 40x40mm Thickness 3mm, Wood plat 60x30mm.
2. steel member should be applying an anti-rust primer to protect the metal surface from corrosion. Next, apply a topcoat to improve its appearance and add extra durability against water and weather.

NOTE:

1. All dimensions are in meters unless otherwise indicated.



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Alaudin to Chahar Qala Road Project

Drawing Title:

BENCH & WASTBASKET

Drawn: M.Ali Dawlatzada Signature: [Signature]

Designed: M.Ali Dawlatzada Signature: [Signature]

Checked: Hasibullah Shalizi Signature: [Signature]

Date: 4/14/2025 Scale: 1:1000

Status: FINEL DESIGN

Project Code

SHEET NO. Revision

01

Station	Coordinate.N	Coordinate.E
0+000.00	3,816,543.9134m	510,507.3883m
0+020.00	3,816,544.4760m	510,527.3804m
0+040.00	3,816,545.0385m	510,547.3725m
0+060.00	3,816,545.6011m	510,567.3646m
0+080.00	3,816,546.1636m	510,587.3567m
0+100.00	3,816,546.7261m	510,607.3487m
0+120.00	3,816,547.2887m	510,627.3408m
0+140.00	3,816,547.8512m	510,647.3329m
0+160.00	3,816,548.4138m	510,667.3250m
0+180.00	3,816,548.9763m	510,687.3171m
0+200.00	3,816,549.5389m	510,707.3092m
0+220.00	3,816,550.1014m	510,727.3013m
0+240.00	3,816,550.6639m	510,747.2933m
0+260.00	3,816,551.2265m	510,767.2854m
0+280.00	3,816,551.7890m	510,787.2775m
0+300.00	3,816,552.3516m	510,807.2696m
0+320.00	3,816,552.9141m	510,827.2617m
0+340.00	3,816,553.4767m	510,847.2538m
0+360.00	3,816,554.0392m	510,867.2459m
0+380.00	3,816,554.6017m	510,887.2380m
0+400.00	3,816,555.4935m	510,907.2171m
0+420.00	3,816,557.0452m	510,927.1560m
0+440.00	3,816,558.8502m	510,947.0744m
0+460.00	3,816,560.6553m	510,966.9928m
0+480.00	3,816,562.4603m	510,986.9111m
0+500.00	3,816,564.2654m	511,006.8295m
0+520.00	3,816,566.0704m	511,026.7479m
0+540.00	3,816,567.5783m	511,046.6901m
0+560.00	3,816,568.4690m	511,066.6697m
0+580.00	3,816,569.2302m	511,086.6552m
0+600.00	3,816,569.9915m	511,106.6407m
0+620.00	3,816,570.7528m	511,126.6263m
0+640.00	3,816,571.5140m	511,146.6118m
0+660.00	3,816,572.2753m	511,166.5973m
0+680.00	3,816,573.0365m	511,186.5828m
0+700.00	3,816,573.7978m	511,206.5683m
0+720.00	3,816,574.5591m	511,226.5538m
0+740.00	3,816,575.3203m	511,246.5393m
0+760.00	3,816,576.0816m	511,266.5248m
0+780.00	3,816,576.8428m	511,286.5103m
0+800.00	3,816,577.6041m	511,306.4958m
0+820.00	3,816,578.3654m	511,326.4813m
0+840.00	3,816,579.1266m	511,346.4668m
0+860.00	3,816,579.8879m	511,366.4523m
0+880.00	3,816,580.6492m	511,386.4378m
0+900.00	3,816,581.4104m	511,406.4233m
0+920.00	3,816,582.1717m	511,426.4089m
0+940.00	3,816,582.9329m	511,446.3944m
0+960.00	3,816,583.6942m	511,466.3799m
0+980.00	3,816,584.4555m	511,486.3654m
1+000.00	3,816,585.2111m	511,506.3511m

1+020.00	3,816,585.6862m	511,526.3453m
1+040.00	3,816,586.1097m	511,546.3408m
1+060.00	3,816,586.5332m	511,566.3363m
1+080.00	3,816,586.9567m	511,586.3318m
1+100.00	3,816,587.3801m	511,606.3274m
1+120.00	3,816,587.8036m	511,626.3229m
1+140.00	3,816,588.2271m	511,646.3184m
1+160.00	3,816,588.6506m	511,666.3139m
1+180.00	3,816,589.0741m	511,686.3094m
1+200.00	3,816,589.4976m	511,706.3049m
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1+280.00	3,816,588.1818m	511,786.2647m
1+300.00	3,816,587.3129m	511,806.2458m
1+320.00	3,816,586.4439m	511,826.2269m
1+340.00	3,816,585.5750m	511,846.2081m
1+360.00	3,816,584.7061m	511,866.1892m
1+380.00	3,816,583.8371m	511,886.1703m
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1+480.00	3,816,579.4924m	511,986.0759m
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1+520.00	3,816,577.7545m	512,026.0381m
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1+560.00	3,816,576.0167m	512,066.0003m
1+580.00	3,816,575.1477m	512,085.9814m
1+600.00	3,816,574.2788m	512,105.9626m
1+620.00	3,816,573.4098m	512,125.9437m
1+640.00	3,816,572.5409m	512,145.9248m
1+660.00	3,816,571.6720m	512,165.9059m
1+680.00	3,816,570.8030m	512,185.8870m
1+700.00	3,816,569.9341m	512,205.8681m
1+720.00	3,816,569.0651m	512,225.8492m
1+740.00	3,816,568.1962m	512,245.8304m
1+760.00	3,816,567.4927m	512,265.8172m
1+780.00	3,816,567.5382m	512,285.8159m
1+800.00	3,816,568.2574m	512,305.8026m
1+820.00	3,816,569.0534m	512,325.7868m
1+840.00	3,816,569.8494m	512,345.7709m
1+860.00	3,816,570.6455m	512,365.7551m
1+880.00	3,816,571.4415m	512,385.7392m
1+900.00	3,816,572.2376m	512,405.7234m
1+901.85	3,816,572.3113m	512,407.5751m

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road Project

Drawing Title:

STAKE OUT

Drawn: M.Ali Dawlatzada	Signature: 
Designed: M.Ali Dawlatzada	Signature: 
Checked: Hasibullah Shalizi	Signature: 
Checked:	Signature:

Date: 3/17/2025 Scale: 1:200

Status: FINAL
DESIGN

Project Code

SHEET NO.	Revision
	01

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+020.00	0.67	10.52	0.00	0.00	0.00	0.00
0+040.00	0.00	24.18	6.68	346.95	6.68	346.95
0+060.00	1.33	8.72	13.32	329.00	20.00	675.95
0+080.00	0.09	22.21	14.27	309.33	34.26	985.29
0+100.00	1.04	8.27	11.39	304.79	45.65	1290.08
0+120.00	0.35	14.40	13.94	226.68	59.60	1516.76
0+140.00	0.00	26.67	3.50	410.73	63.10	1927.49
0+160.00	0.00	25.14	0.00	518.17	63.10	2445.66
0+180.00	1.62	7.84	16.15	329.79	79.25	2775.46
0+200.00	0.72	11.01	23.35	188.46	102.60	2963.91
0+220.00	0.74	10.51	14.59	215.24	117.19	3179.16
0+240.00	0.20	19.21	9.41	297.26	126.60	3476.41
0+260.00	0.00	20.22	2.01	394.33	128.62	3870.74
0+280.00	0.00	24.42	0.00	446.47	128.62	4317.21
0+300.00	0.63	17.86	6.29	422.88	134.91	4740.08
0+320.00	0.00	18.46	6.29	363.22	141.20	5103.30
0+340.00	0.00	18.85	0.00	373.04	141.20	5476.34
0+360.00	0.01	19.91	0.07	387.59	141.27	5863.94
0+380.00	0.00	18.98	0.07	388.90	141.34	6252.83
0+380.12	0.00	18.97	0.00	2.23	141.34	6255.07

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+000.00	0.00	20.29	0.00	54.40	339.90	16721.10
1+002.72	0.00	19.54	0.00	54.24	339.90	16775.33
1+008.12	0.05	17.44	0.13	99.74	340.03	16875.07
1+020.00	0.09	13.84	0.83	185.83	340.86	17060.90
1+040.00	0.21	15.65	2.99	294.92	343.85	17355.82
1+060.00	0.00	20.17	2.08	358.15	345.93	17713.97
1+080.00	0.00	19.16	0.00	393.23	345.93	18107.20
1+100.00	0.12	17.10	1.24	362.57	347.17	18469.78
1+120.00	0.00	19.32	1.24	364.23	348.41	18834.00
1+140.00	0.00	21.83	0.00	411.49	348.41	19245.49
1+160.00	0.00	17.24	0.00	390.71	348.41	19636.20
1+180.00	0.00	24.84	0.00	420.82	348.41	20057.02
1+200.00	0.33	17.55	3.26	423.84	351.66	20480.86
1+217.27	0.56	10.87	7.62	245.36	359.29	20726.22
1+220.00	0.36	11.26	1.26	30.22	360.54	20756.44
1+230.00	0.34	11.85	3.51	115.53	364.06	20871.97
1+233.43	0.31	11.88	1.11	40.67	365.17	20912.64
1+240.00	0.28	11.75	1.94	77.67	367.11	20990.31
1+249.59	0.21	12.27	2.33	115.21	369.44	21105.52
1+260.00	0.30	12.49	2.67	128.93	372.10	21234.45

NOTE:

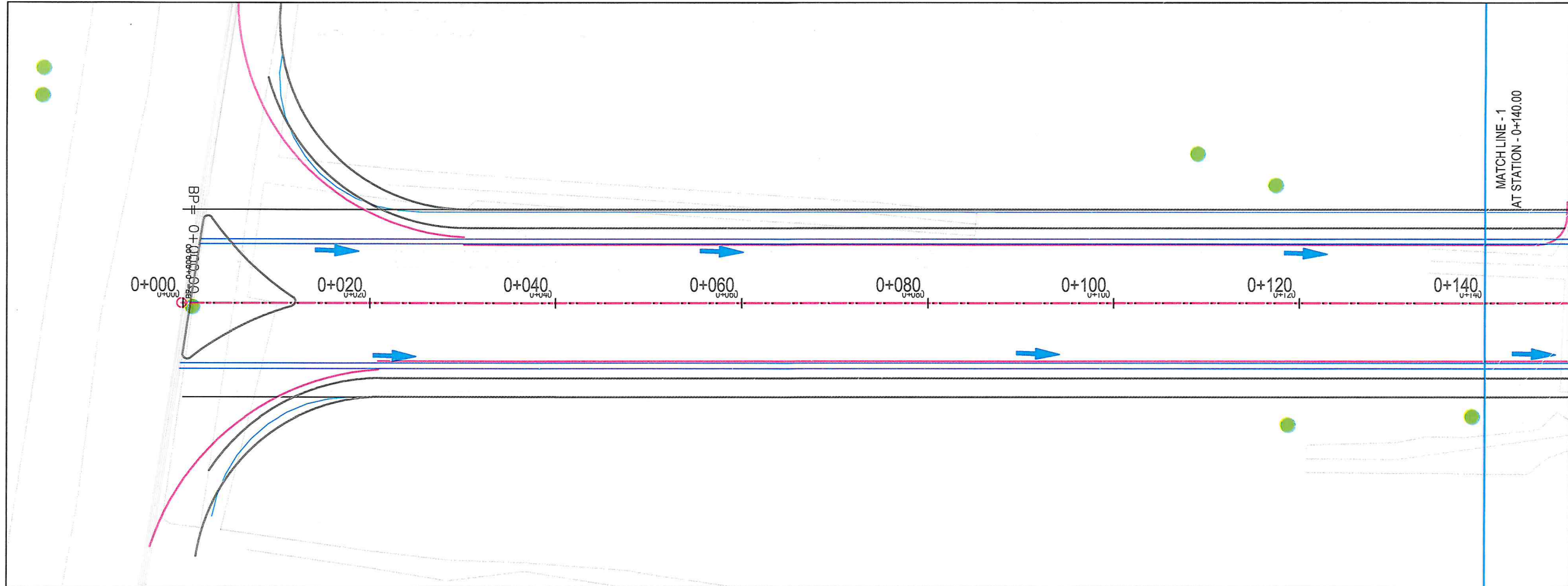
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

KABUL MUNICIPALITY
DESIGN TEAM

Date: 3/17/2025

DRAINAGE SECTION



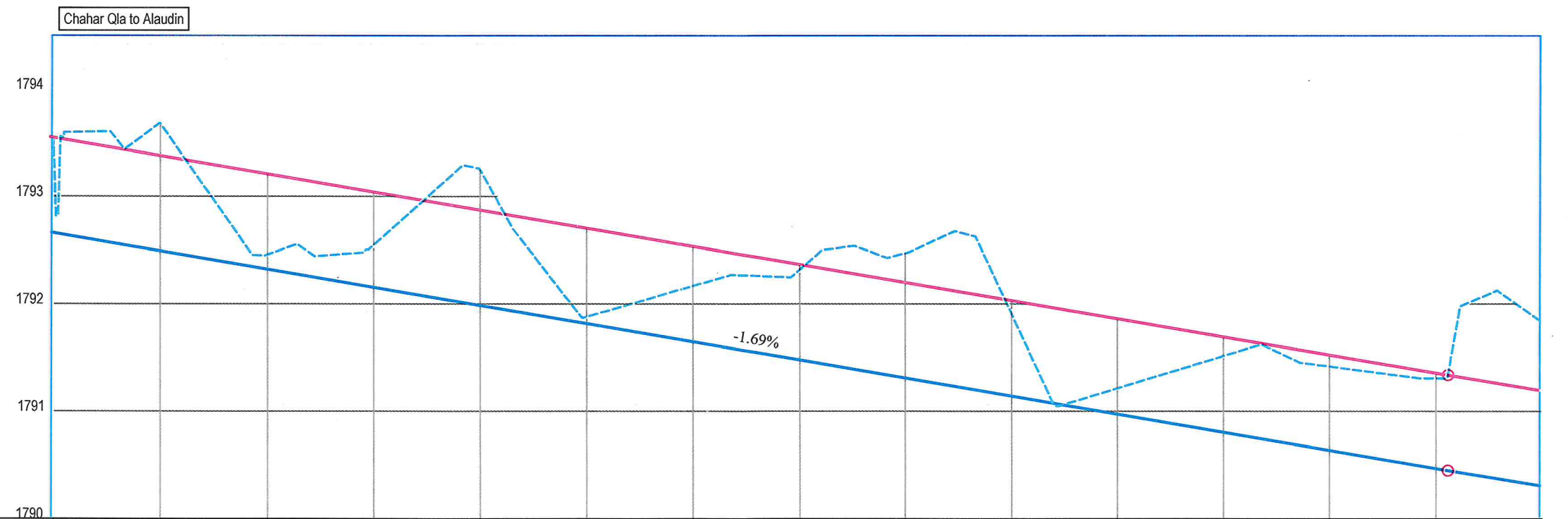


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM



STATION	0+000	0+010	0+020	0+030	0+040	0+050	0+060	0+070	0+080	0+090	0+100	0+110	0+120	0+130	0+140
EXISTING ELEVATION	1793.380	1793.674	1792.449	1792.531	1793.263	1791.873	1792.159	1792.299	1792.466	1791.945	1791.205	1791.507	1791.418	1791.306	1791.842
FINISHED ELEVATION	1793.552	1793.383	1793.215	1793.046	1792.877	1792.708	1792.540	1792.371	1792.202	1792.034	1791.865	1791.696	1791.527	1791.359	1791.191
EXISTING ELEVATION	1793.380	1793.674	1792.449	1792.531	1793.263	1791.873	1792.159	1792.299	1792.466	1791.945	1791.205	1791.507	1791.418	1791.306	1791.842
RIGHT AND LEFT DRAIN BED	1792.652	1792.493	1792.325	1792.156	1791.987	1791.818	1791.650	1791.481	1791.312	1791.144	1790.975	1790.806	1790.637	1790.468	1790.299

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Alaudin to Chahar Qla Road

Drawing Title:

PLAN & PROFILE

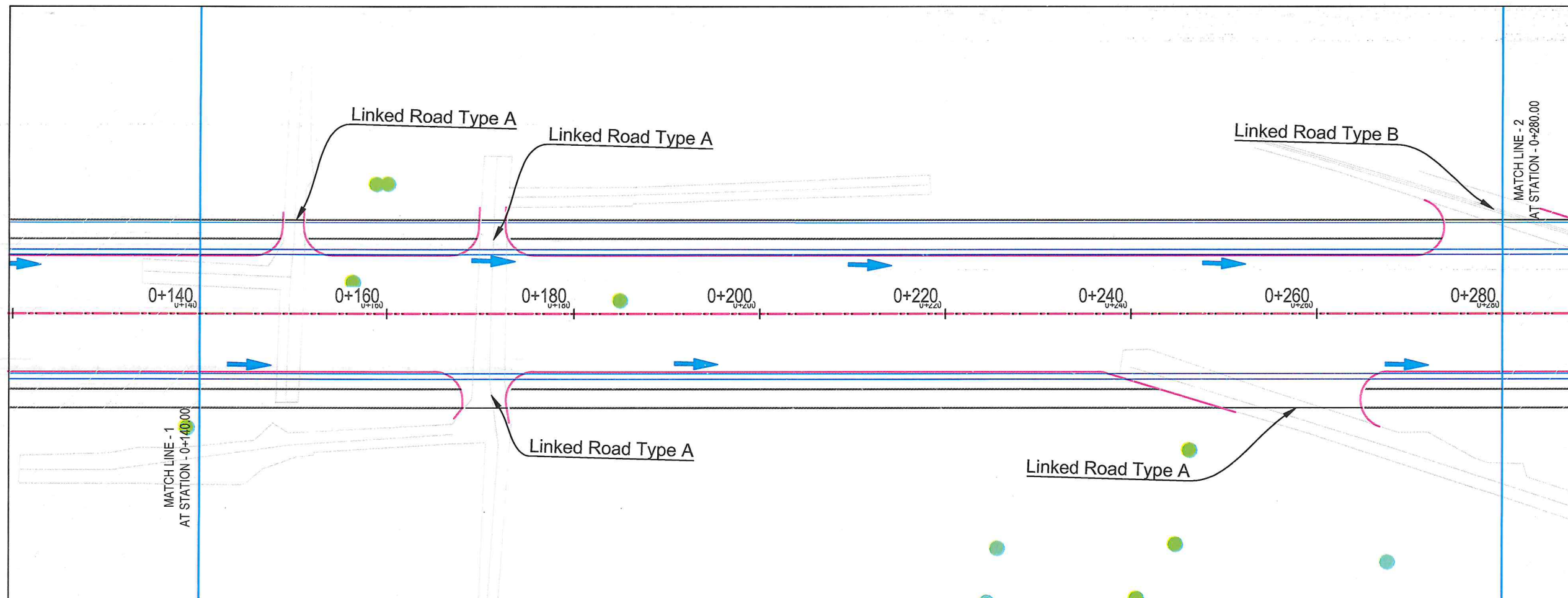
Drawn: Niamatullah Shanwari
Designed: Niamatullah Shanwari
Checked: Hasibullah Shalizi

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

Date: 07/12/2025 Scale: 1:1000

Status: FINAL DESIGN

Project Code

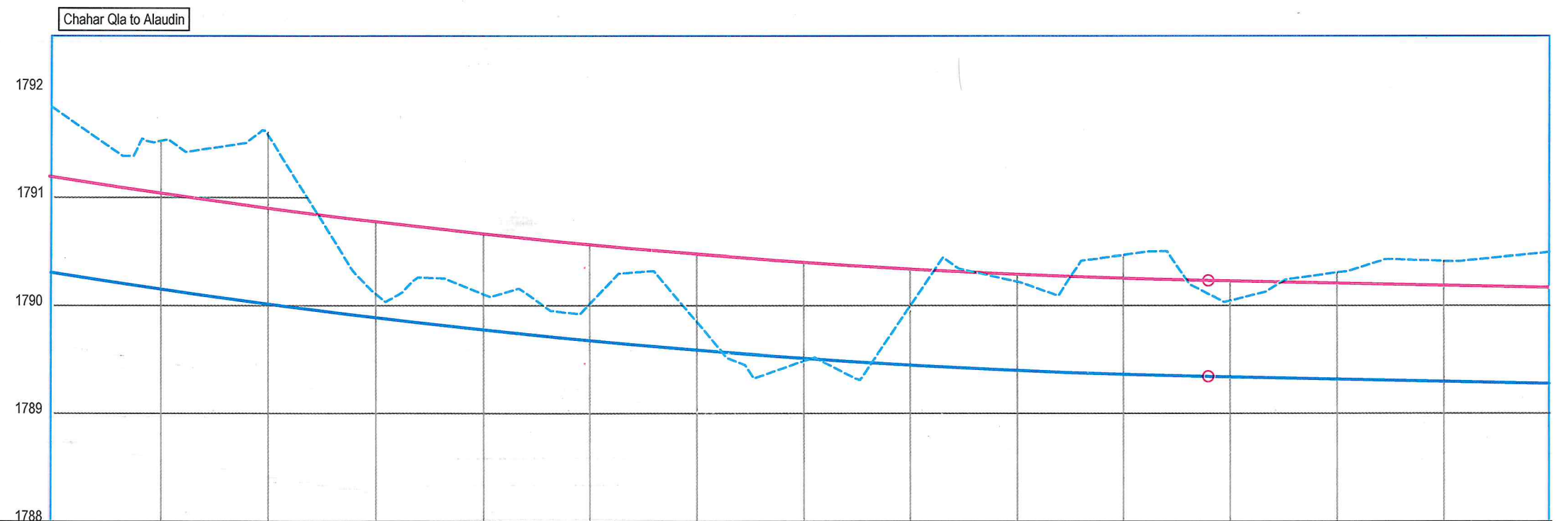


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

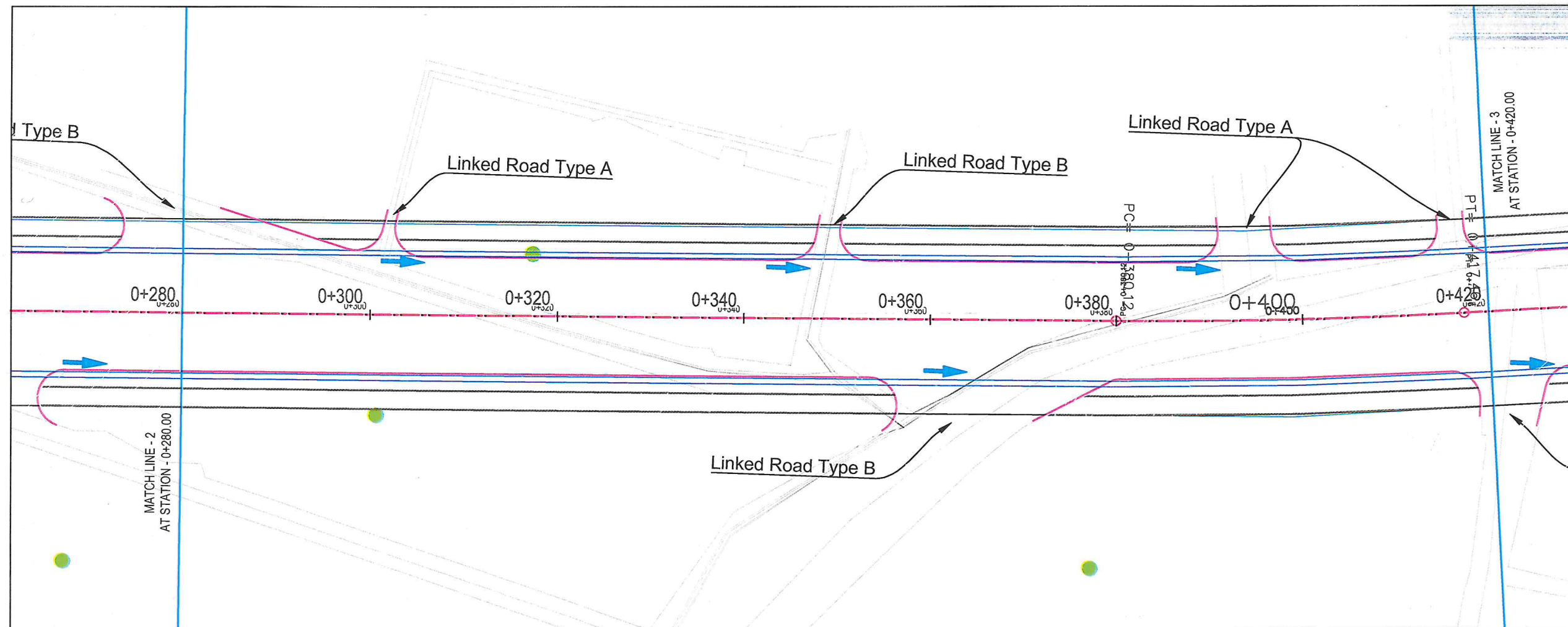
- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM



STATION	0+140	0+150	0+160	0+170	0+180	0+190	0+200	0+210	0+220	0+230	0+240	0+250	0+260	0+270	0+280
EXISTING ELEVATION	1791.842	1791.521	1791.604	1790.123	1790.112	1789.992	1789.868	1789.478	1789.967	1790.223	1790.464	1790.038	1790.302	1790.412	1790.491
FINISHED ELEVATION	1791.155	1791.043	1790.904	1790.778	1790.664	1790.564	1790.475	1790.400	1790.337	1790.287	1790.250	1790.225	1790.204	1790.183	1790.163
EXISTING ELEVATION	1789.305	1790.153	1791.014	1790.888	1790.774	1789.674	1789.585	1789.510	1789.447	1789.397	1789.360	1789.335	1789.314	1789.293	1789.273
RIGHT AND LEFT DRAIN BED	1789.305	1790.153	1791.014	1790.888	1790.774	1789.674	1789.585	1789.510	1789.447	1789.397	1789.360	1789.335	1789.314	1789.293	1789.273

Date	Revision	Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name:					
Alaudin to Chahar Qla Road					
Drawing Title:					
PLAN & PROFILE					
Drawn:	Niamatullah Shanvari		Signature:		
Designed:	Niamatullah Shanvari		Signature:		
Checked:	Hasibullah Shalizi		Signature:		
Date: 07/4/2025 Scale: 1:1000					
Status: FINEL DESIGN					
Project Code					
Revision					



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

Drawing Title:
PLAN & PROFILE

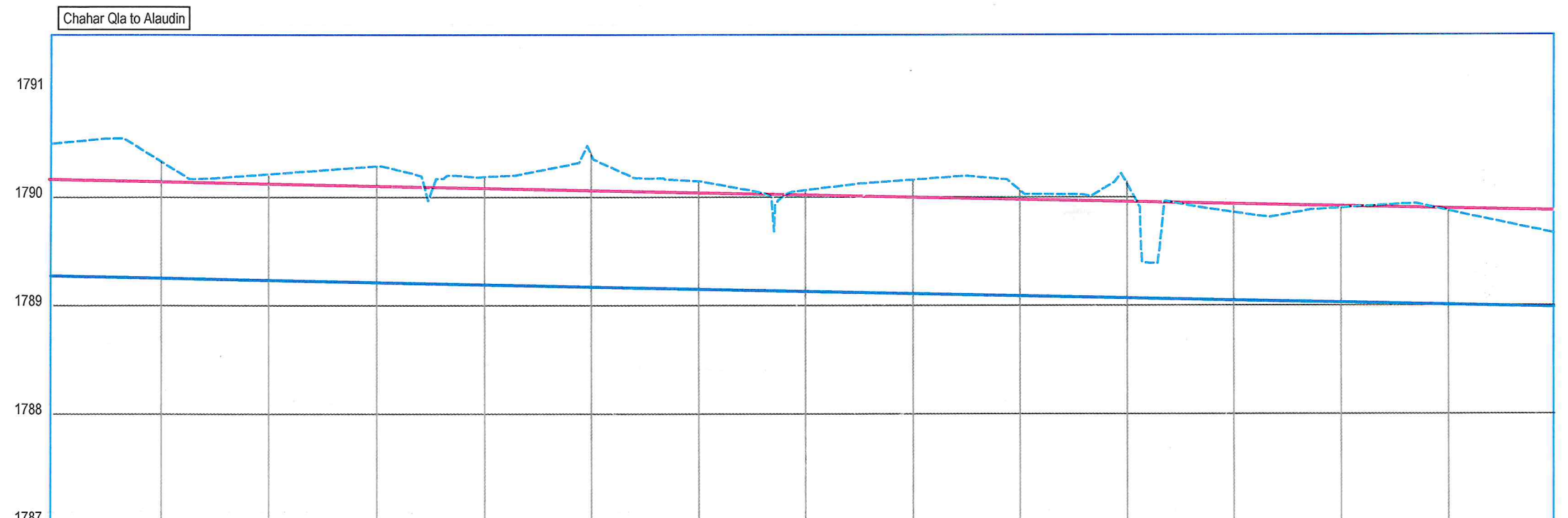
Drawn: Niamatullah Shanwari
Designed: Niamatullah Shanwari
Checked: Hasibullah Shalizi

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

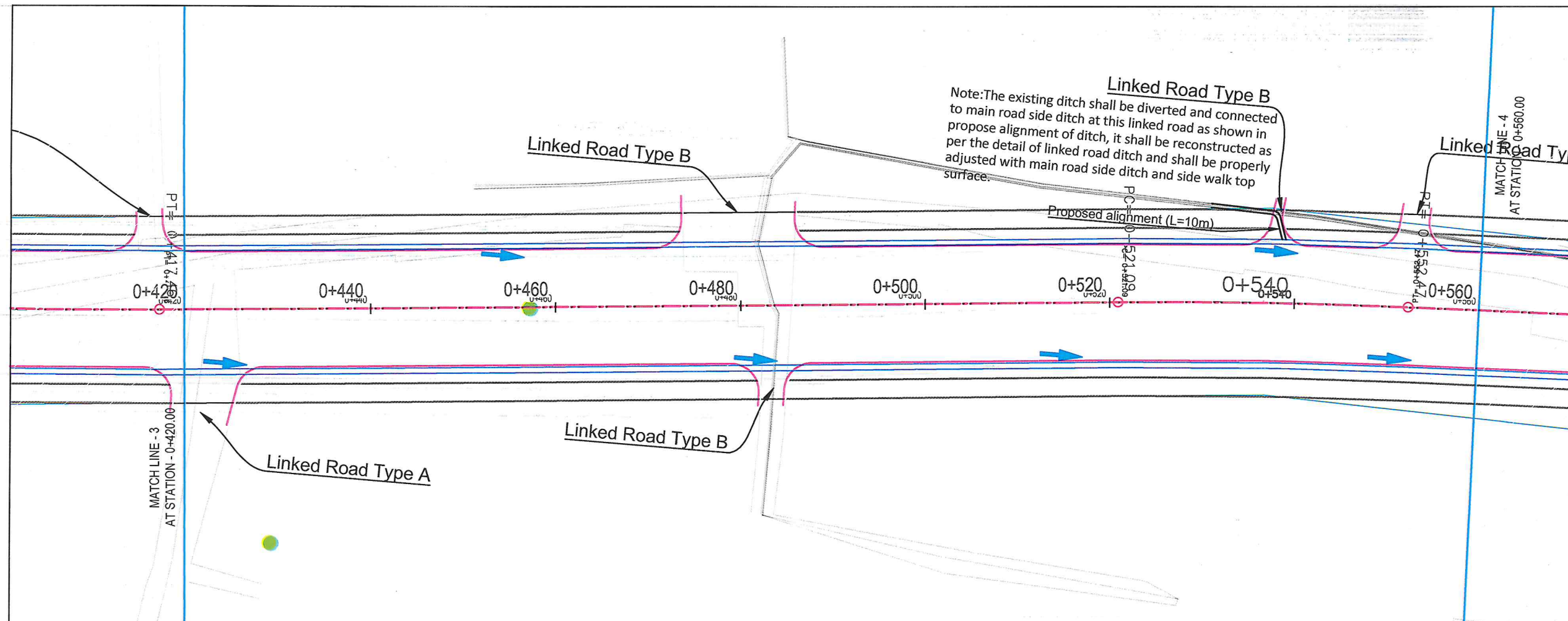
Date: 07/4/2025 Scale: 1:1000

Status: FINEL DESIGN

Project Code:



STATION	0+280	0+290	0+300	0+310	0+320	0+330	0+340	0+350	0+360	0+370	0+380	0+390	0+400	0+410	0+420
EXISTING ELEVATION	1790.491	1790.340	1790.211	1790.284	1790.185	1790.432	1790.147	1790.062	1790.159	1790.077	1790.152	1789.861	1789.897	1789.876	1789.664
FINISHED ELEVATION	1790.163	1790.142	1790.122	1790.101	1790.080	1790.060	1790.039	1790.018	1789.998	1789.977	1789.956	1789.936	1789.915	1789.895	1789.874
EXISTING ELEVATION	1789.163	1790.340	1790.211	1790.284	1790.185	1790.432	1790.147	1790.062	1790.159	1790.077	1790.152	1789.861	1789.897	1789.876	1789.664
RIGHT AND LEFT DRAIN BED	1788.163	1789.340	1789.211	1789.284	1789.185	1789.432	1789.147	1789.062	1789.159	1789.077	1789.152	1789.861	1789.897	1789.876	1789.664



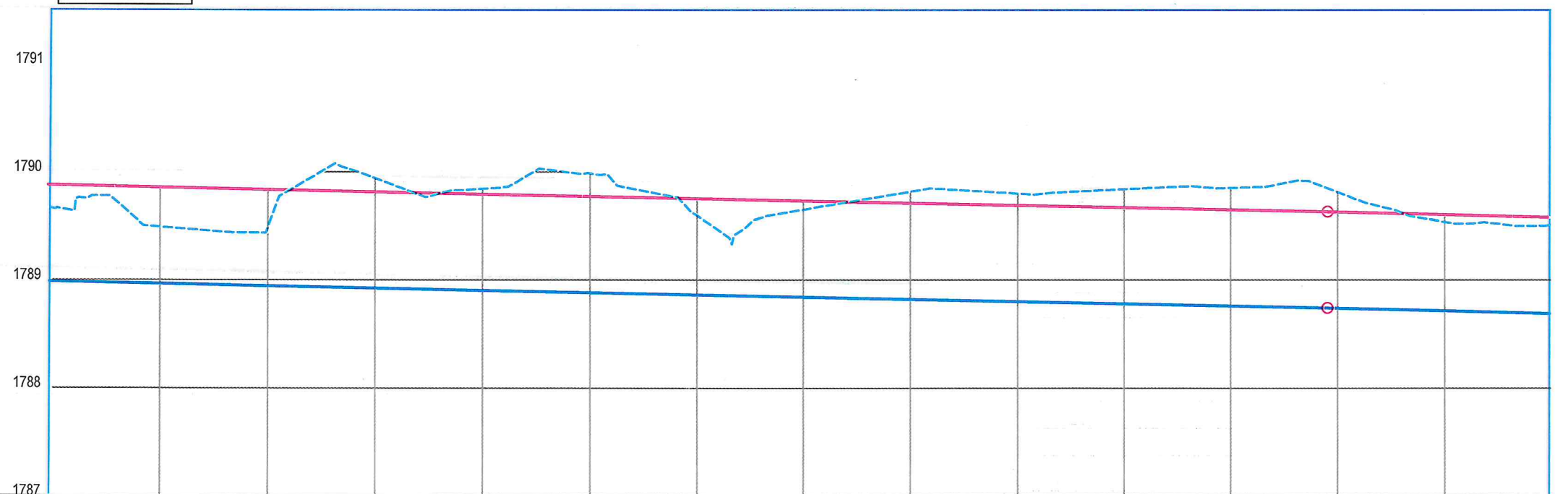
NOTE:

1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK

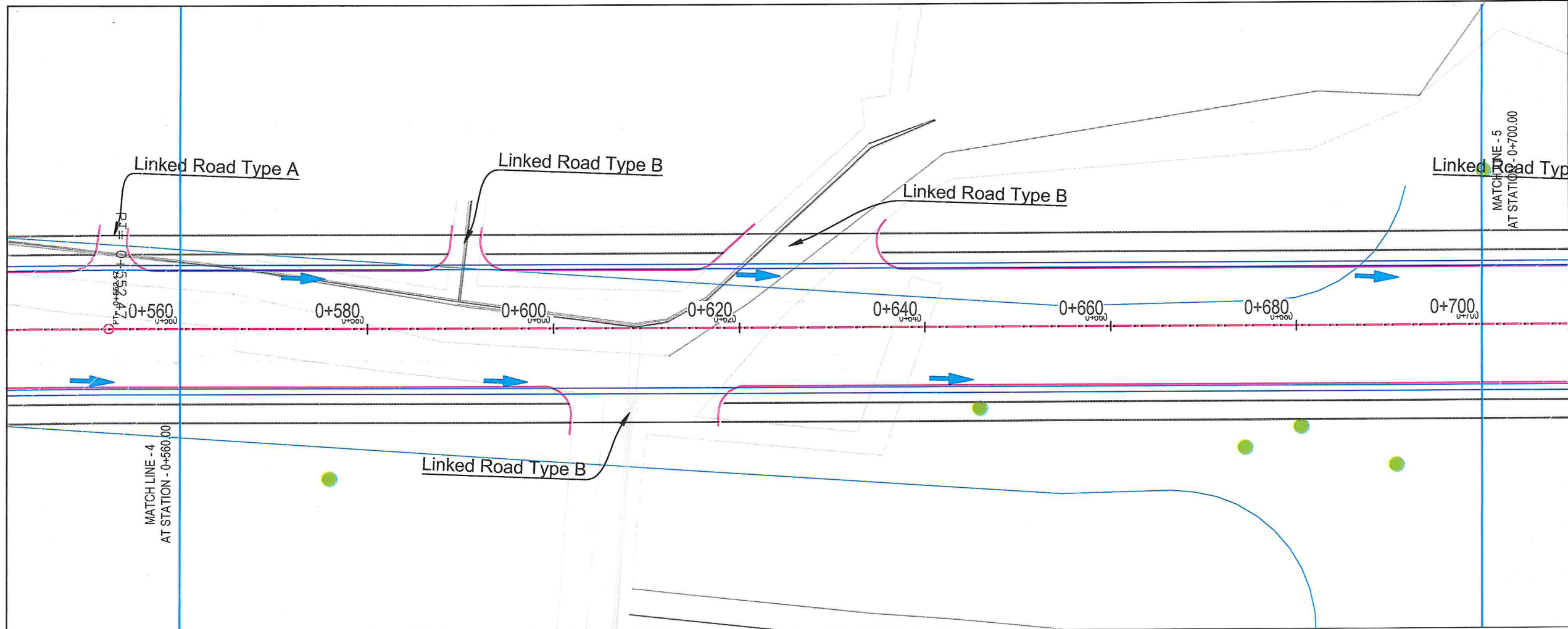


Chahar Qla to Alaudin



STATION	0+420	0+430	0+440	0+450	0+460	0+470	0+480	0+490	0+500	0+510	0+520	0+530	0+540	0+550	0+560
EXISTING ELEVATION	1789.664	1789.491	1789.437	1789.946	1789.841	1789.988	1789.608	1789.646	1789.814	1789.800	1789.838	1789.880	1789.817	1789.540	1789.509
FINISHED ELEVATION	1789.674	1789.853	1789.833	1789.812	1789.791	1789.771	1789.750	1789.729	1789.709	1789.688	1789.667	1789.647	1789.626	1789.603	1789.575
EXISTING ELEVATION	1789.664	1789.491	1789.437	1789.946	1789.841	1789.988	1789.608	1789.646	1789.814	1789.800	1789.838	1789.880	1789.817	1789.540	1789.509
RIGHT AND LEFT DRAIN BED	1789.664	1789.963	1789.943	1789.922	1789.901	1789.881	1789.860	1789.839	1789.819	1789.798	1789.777	1789.757	1789.736	1789.713	1789.693

Date	Revision	Details	Drawn	Chkd.	Appr.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
Project Name:					
Alaudin to Chahar Qla Road					
Drawing Title:					
PLAN & PROFILE					
Drawn:	Niamatullah Shanvari		Signature:		
Designed:	Niamatullah Shanvari		Signature:		
Checked:	Hasibullah Shalizi		Signature:		
Date:	07/4/2025		Scale:	1:1000	
Status:	FINEL DESIGN				
Project Code:					
Revision:					



NOTE:

1. All dimensions are in meters unless otherwise indicated.

ISLAMIC EMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qla Road

Drawing Title: PLAN & PROFILE

Drawn: Niamatullah Shanwari

Designed: Niamatullah Shanwari

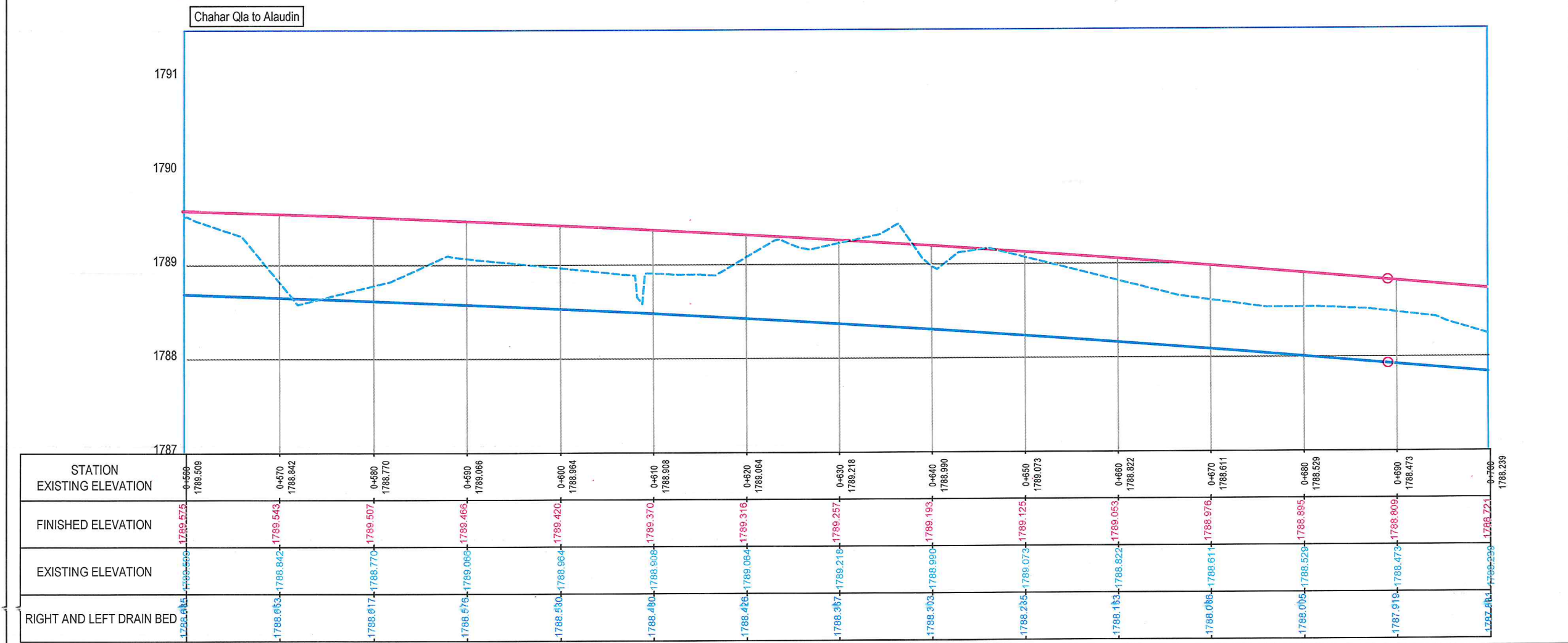
Checked: Hasibullah Shalizi

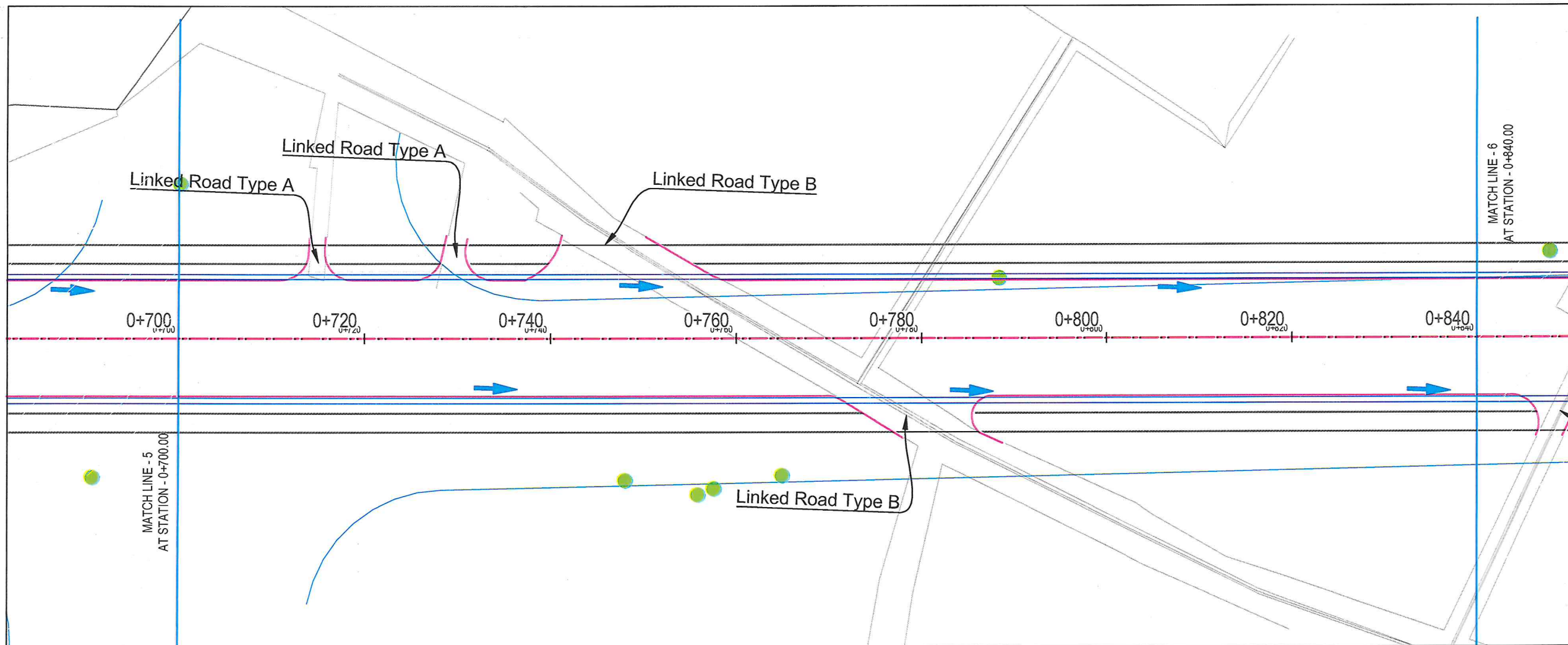
Date: 07/4/2025

Scale: 1:1000

Status: FINAL DESIGN

Project Code:



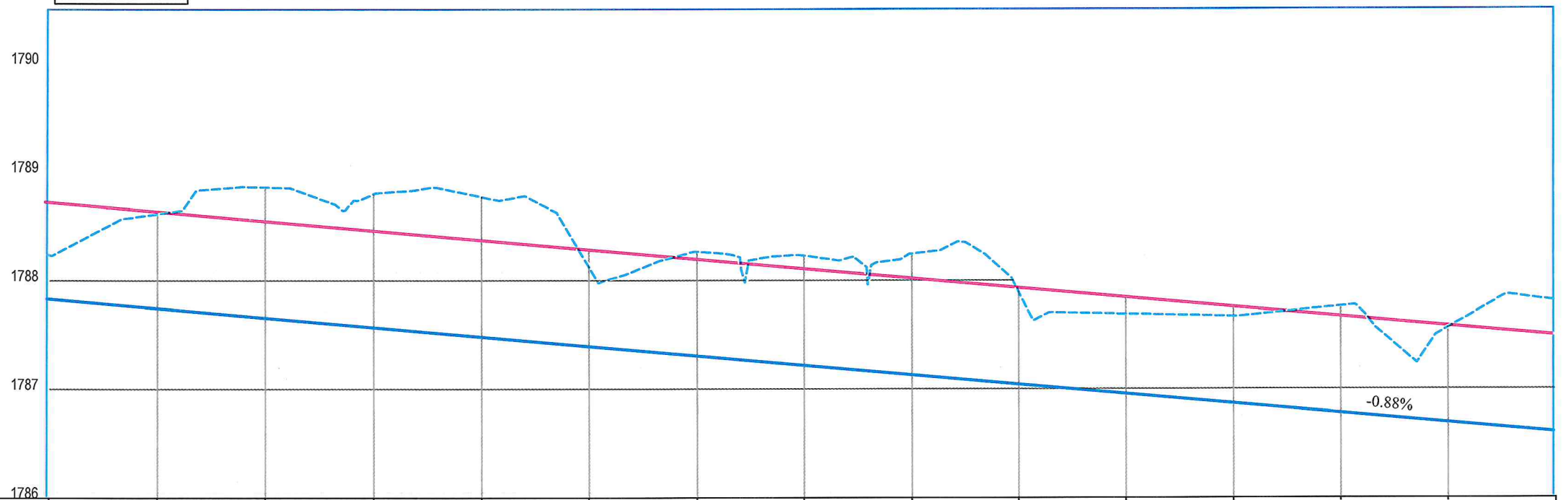


NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK

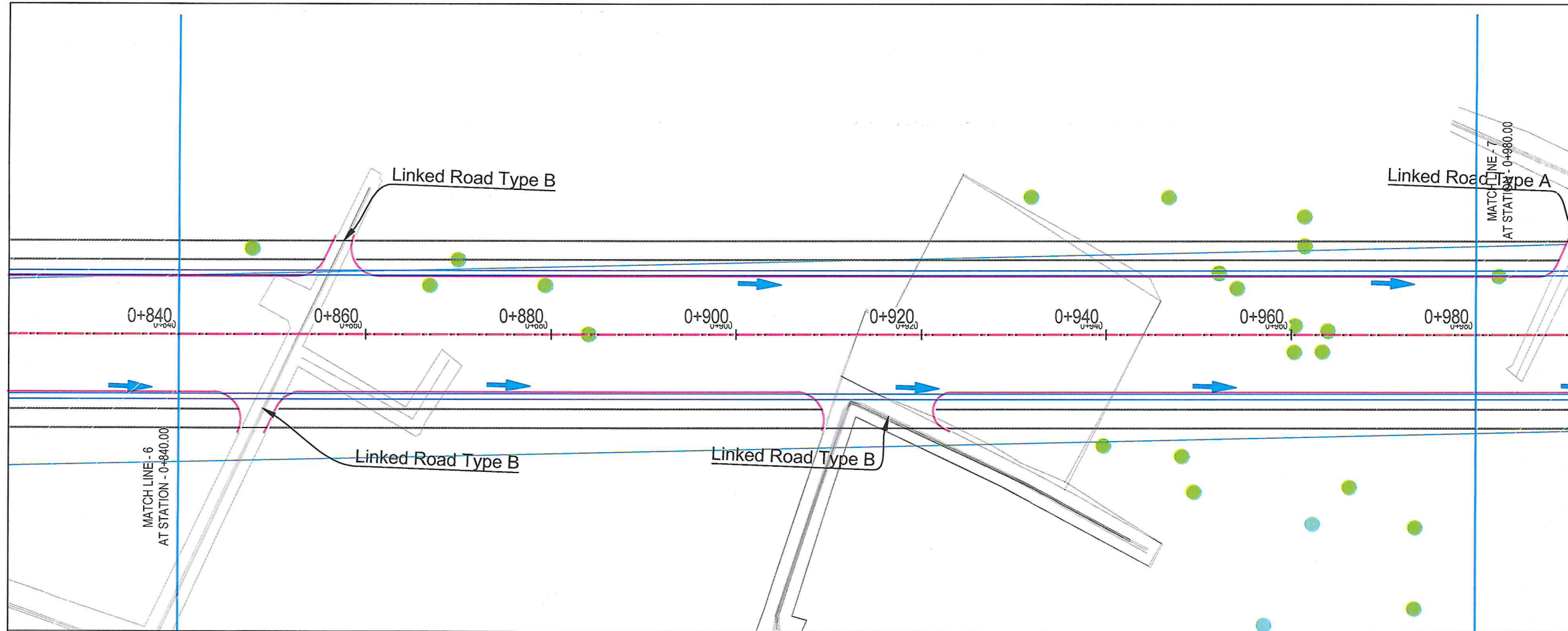


Chahar Qla to Alaudin



STATION	0+700	0+710	0+720	0+730	0+740	0+750	0+760	0+770	0+780	0+790	0+800	0+810	0+820	0+830	0+840
EXISTING ELEVATION	1788.239	1788.609	1788.857	1788.787	1788.771	1788.155	1788.264	1788.229	1788.243	1787.931	1787.688	1787.557	1787.758	1787.550	1787.812
FINISHED ELEVATION	1788.721	1788.634	1788.546	1788.458	1788.370	1788.293	1788.195	1788.107	1788.019	1787.932	1787.844	1787.756	1787.668	1787.581	1787.493
EXISTING ELEVATION	1788.239	1788.609	1788.857	1788.787	1788.771	1788.155	1788.264	1788.229	1788.243	1787.931	1787.688	1787.557	1787.758	1787.550	1787.812
RIGHT AND LEFT DRAIN BED	1787.541	1787.744	1787.856	1787.568	1787.480	1787.393	1787.305	1787.217	1787.129	1787.042	1786.954	1786.866	1786.778	1786.690	1786.602

Date	Revision	Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
Project Name:					
Alaudin to Chahar Qla Road					
Drawing Title:					
PLAN & PROFILE					
Drawn:	Signature:				
Designed:	Signature:				
Checked:	Signature:				
Date: 07/4/2025 Scale: 1:1000					
Status: FINEL DESIGN					
Project Code					



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

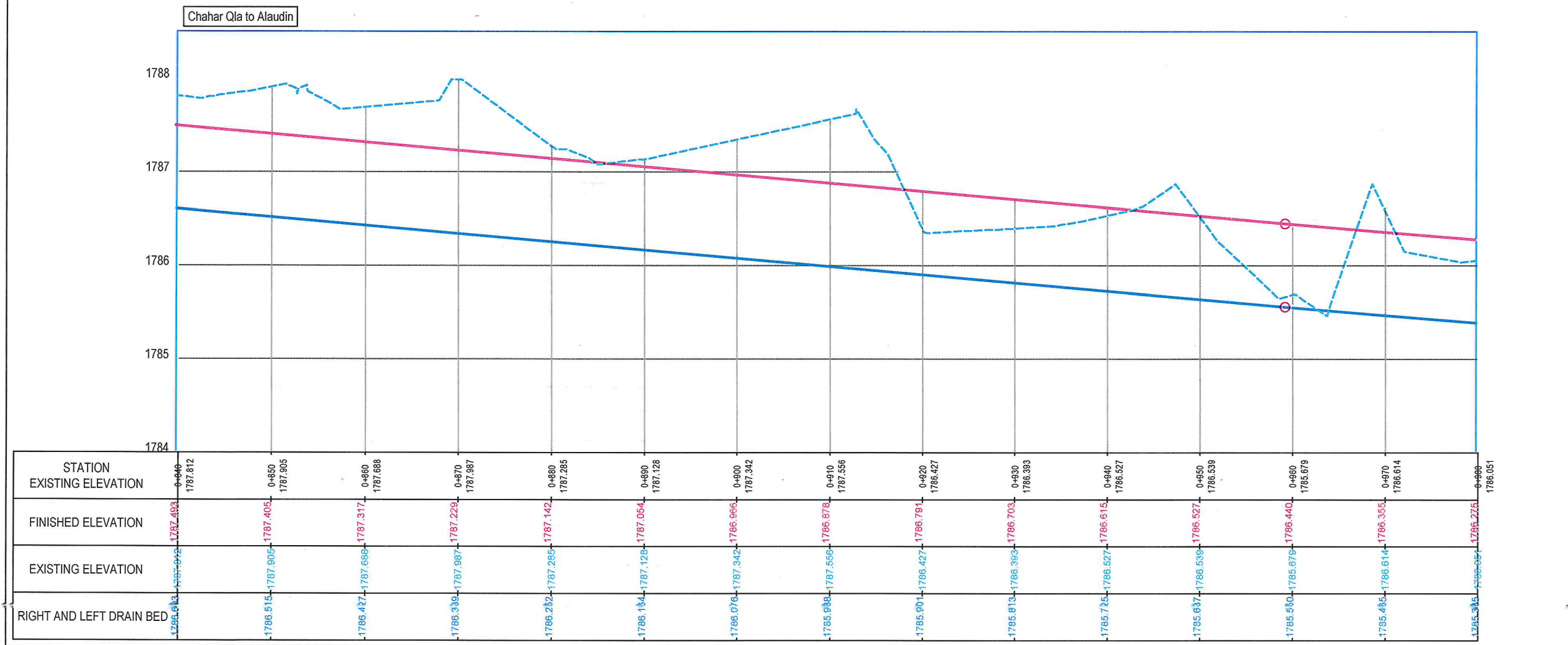
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

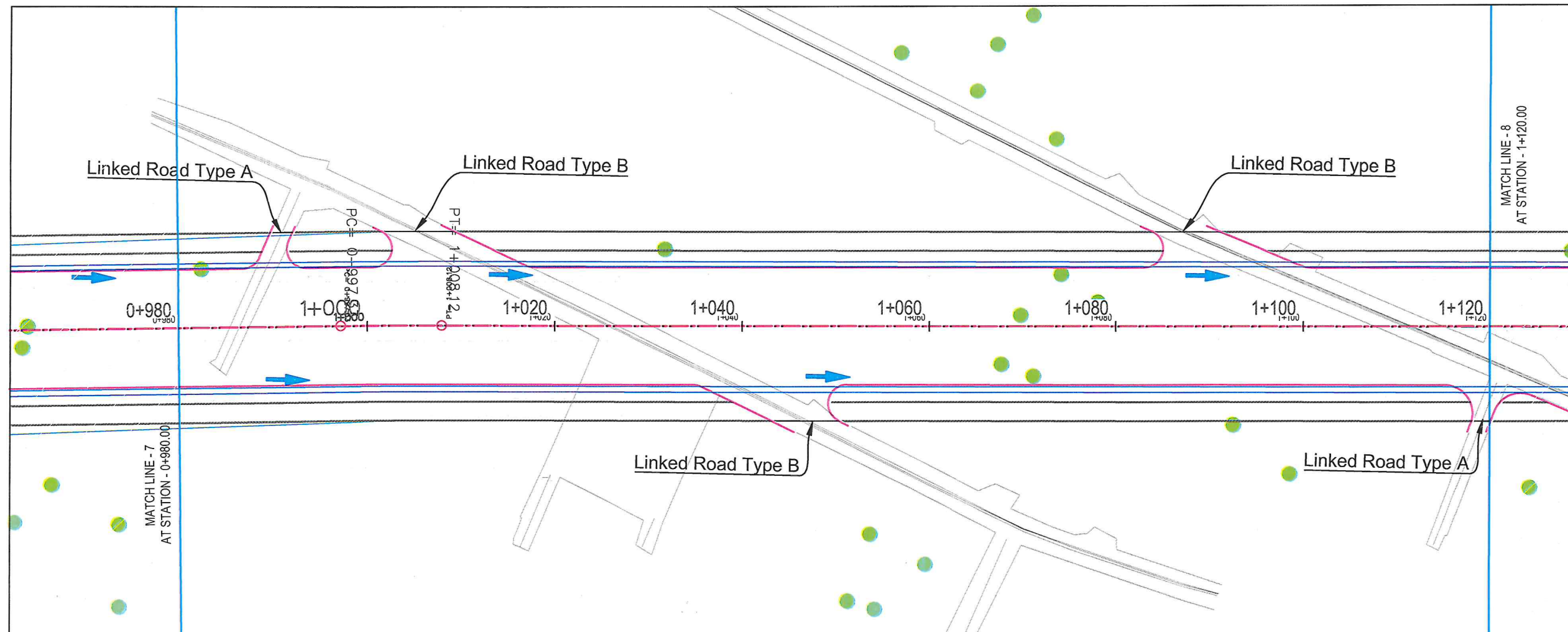
Project Name:
Alaudin to Chahar Qla Road

Drawing Title:
PLAN & PROFILE

Drawn: Niamatullah Shanwari
Designed: Niamatullah Shanwari
Checked: Hasibullah Shalizi

Date: 07/11/2025
Scale: 1:1000
Status: FINAL DESIGN
Project Code:





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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

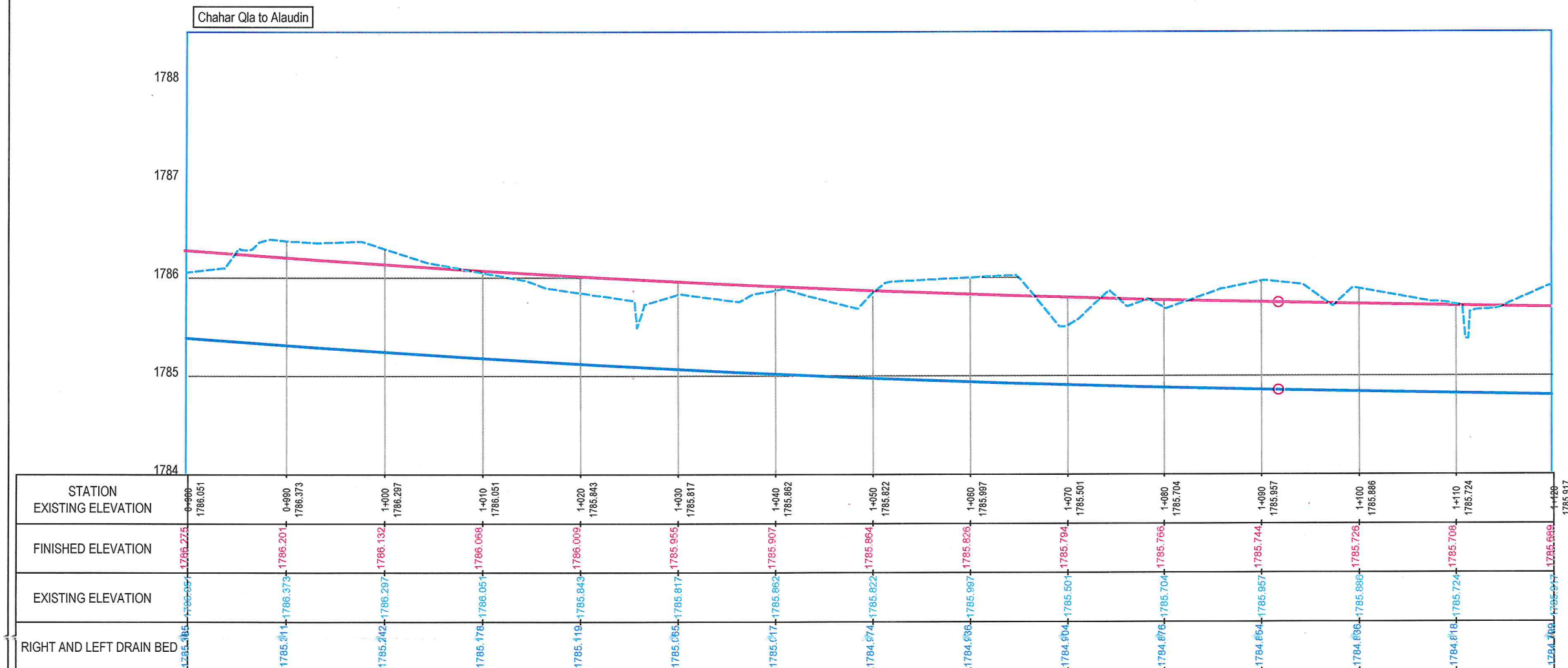
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PLAN & PROFILE

Drawn: Niamatullah Shanwari
Designed: Niamatullah Shanwari
Checked: Hasibullah Shalizi

Date: 07/4/2025
Scale: 1:1000

Status: FINEL DESIGN

Project Code



ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

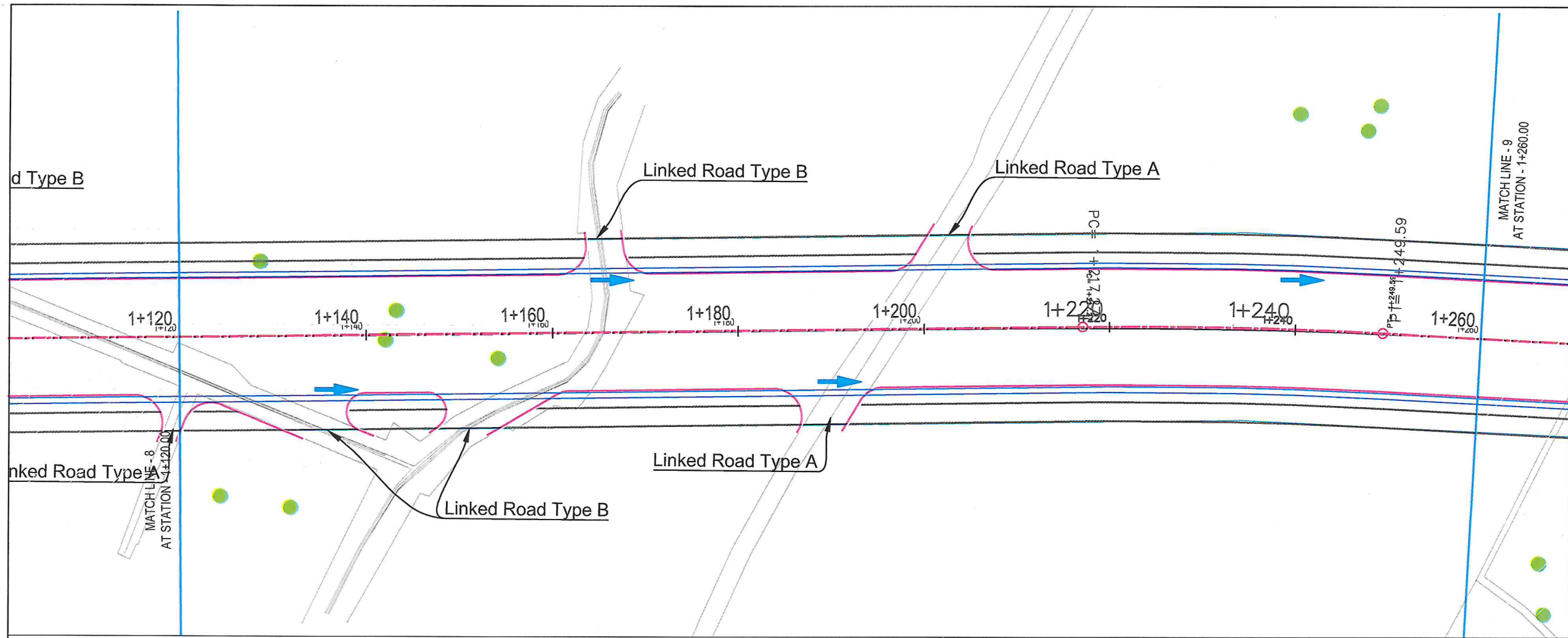
Drawing Title:
PLAN & PROFILE

Drawn: Niamatullah Shanwari
Designed: Niamatullah Shanwari
Checked: Hasibullah Shalizi

Date: 07/4/2025
Scale: 1:1000

Status: FINEL DESIGN

Project Code



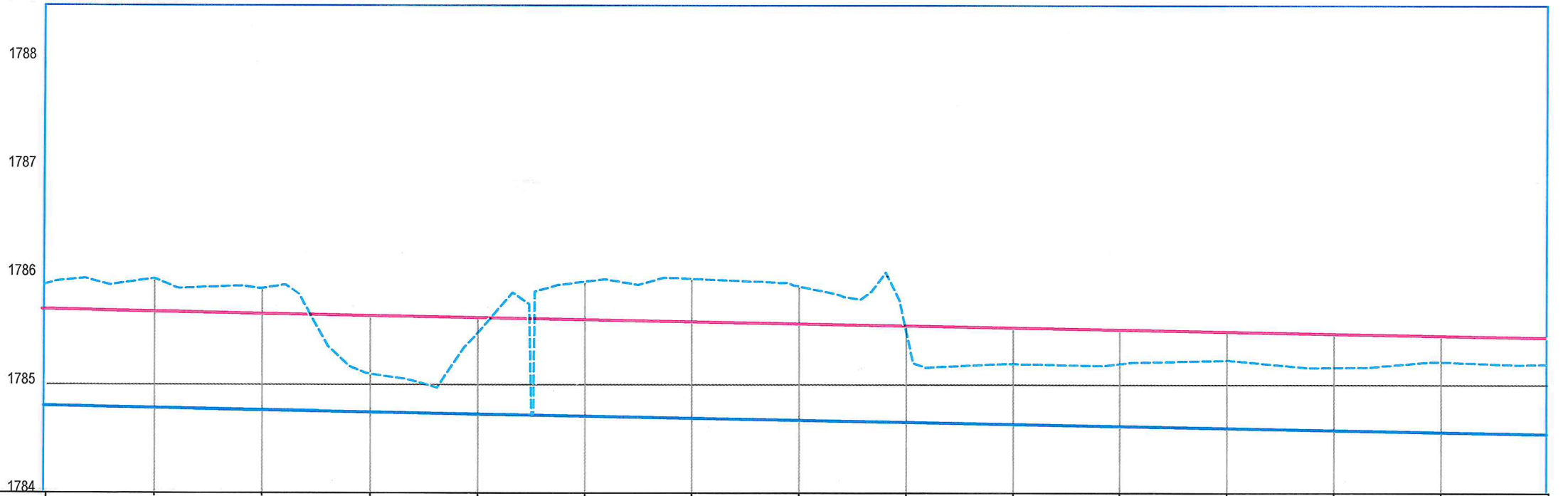
NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

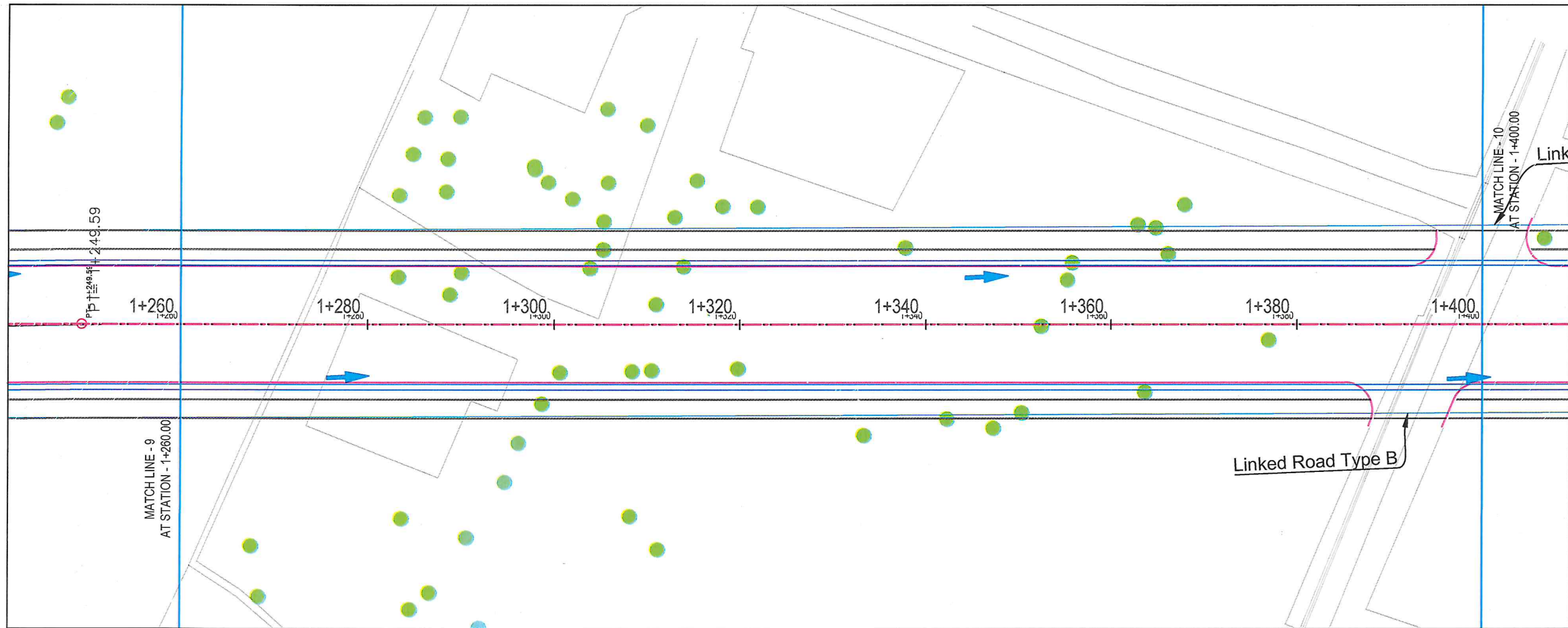
ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Chahar Qla to Alaudin



STATION	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260
EXISTING ELEVATION	1785.917	1785.973	1785.884	1785.100	1785.448	1785.944	1785.975	1785.908
FINISHED ELEVATION	1785.638	1785.671	1785.652	1785.634	1785.616	1785.597	1785.579	1785.561
EXISTING ELEVATION	1785.917	1785.973	1785.884	1785.100	1785.448	1785.944	1785.975	1785.908
RIGHT AND LEFT DRAIN BED	1784.718	1784.731	1784.732	1784.714	1784.706	1784.707	1784.693	1784.671

Date	Revision	Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name:					
Alaudin to Chahar Qla Road					
Drawing Title:					
PLAN & PROFILE					
Drawn:	Signature:				
Designed:	Signature:				
Checked:	Signature:				
Date: 07/04/2025					
Scale: 1:1000					
Status: FINEL DESIGN					
Project Code					
Revision:					



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

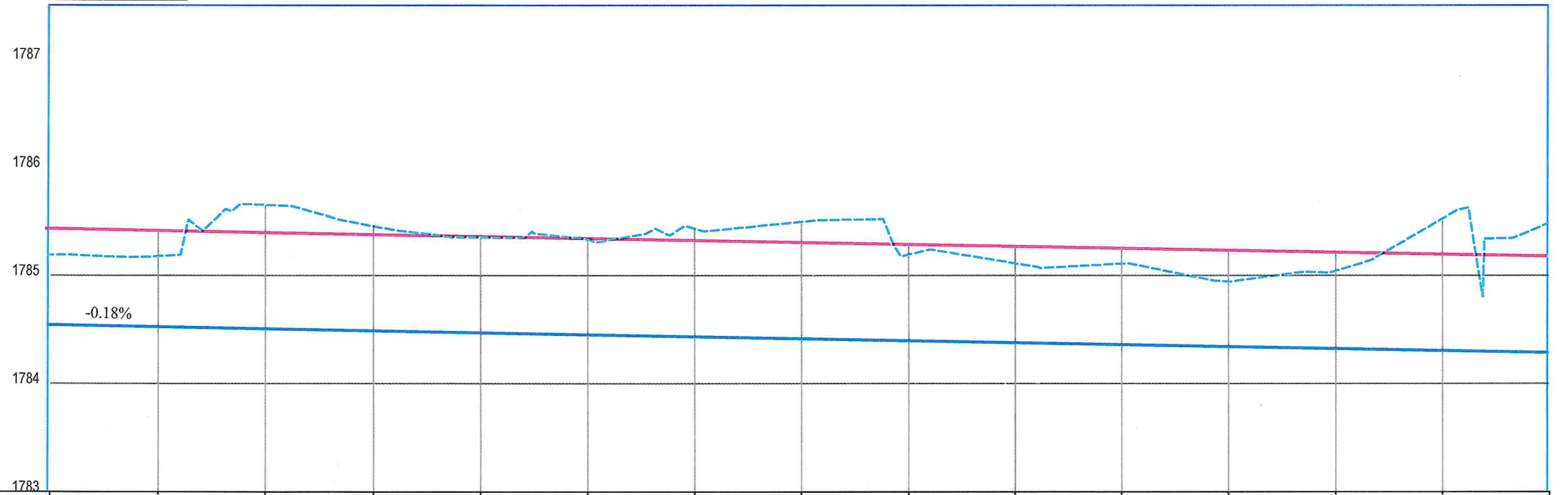
LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY
DESIGN TEAM

Date	Revision	Details	Drawn	Chkd	Appr

Chahar Qla to Alaudin



STATION	1+260	1+270	1+280	1+290	1+300	1+310	1+320	1+330	1+340	1+350	1+360	1+370	1+380	1+390	1+400
EXISTING ELEVATION	1785.186	1785.175	1785.651	1785.459	1785.352	1785.337	1785.438	1785.494	1785.188	1785.114	1785.106	1784.942	1785.035	1785.515	1785.480
FINISHED ELEVATION	1785.432	1785.414	1785.395	1785.377	1785.358	1785.340	1785.322	1785.303	1785.285	1785.267	1785.248	1785.230	1785.211	1785.193	1785.175
EXISTING ELEVATION	1784.542	1784.524	1784.505	1784.487	1784.468	1784.450	1784.432	1784.413	1784.395	1784.377	1784.358	1784.340	1784.321	1784.303	1784.285
RIGHT AND LEFT DRAIN BED	1784.542	1784.524	1784.505	1784.487	1784.468	1784.450	1784.432	1784.413	1784.395	1784.377	1784.358	1784.340	1784.321	1784.303	1784.285

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

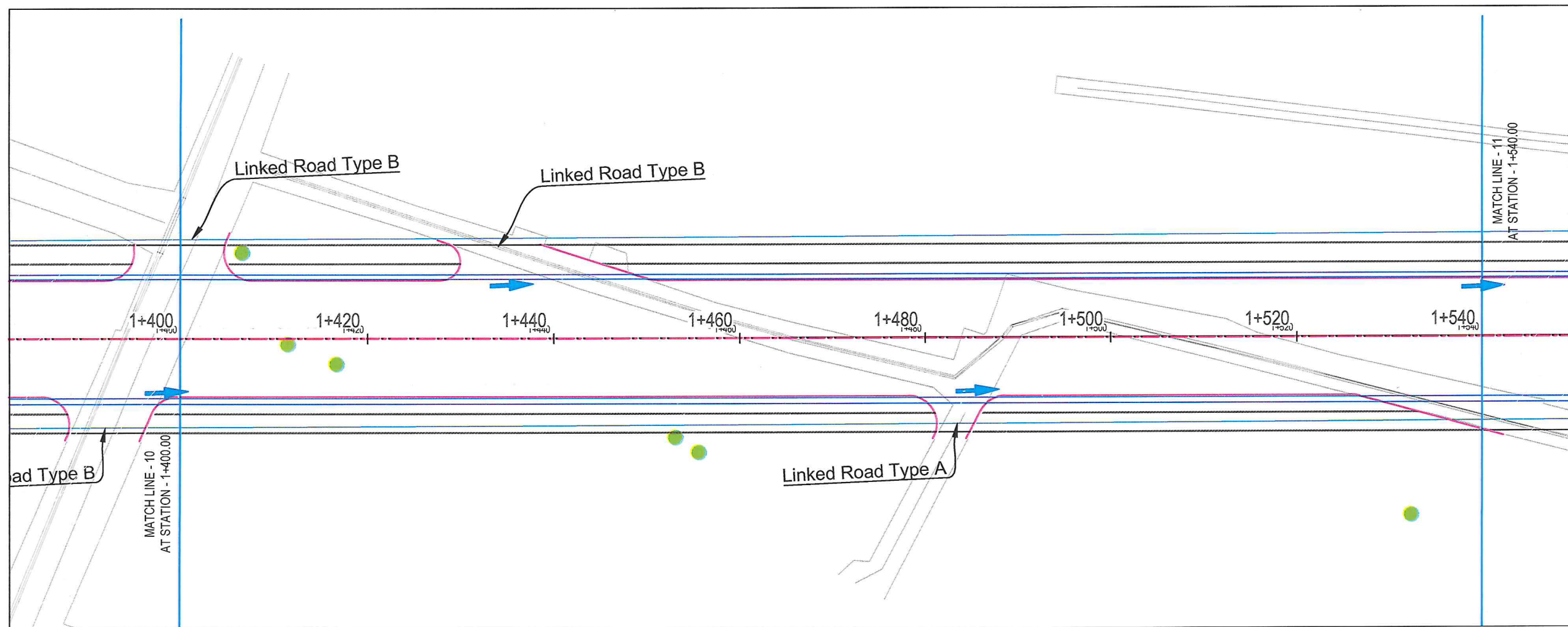
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

Drawing Title:
PLAN & PROFILE

Drawn: Niamatullah Shanwari	Signature:
Designed: Niamatullah Shanwari	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 07/4/2025	Scale: 1:1000
Status: FINEL DESIGN	
Project Code:	

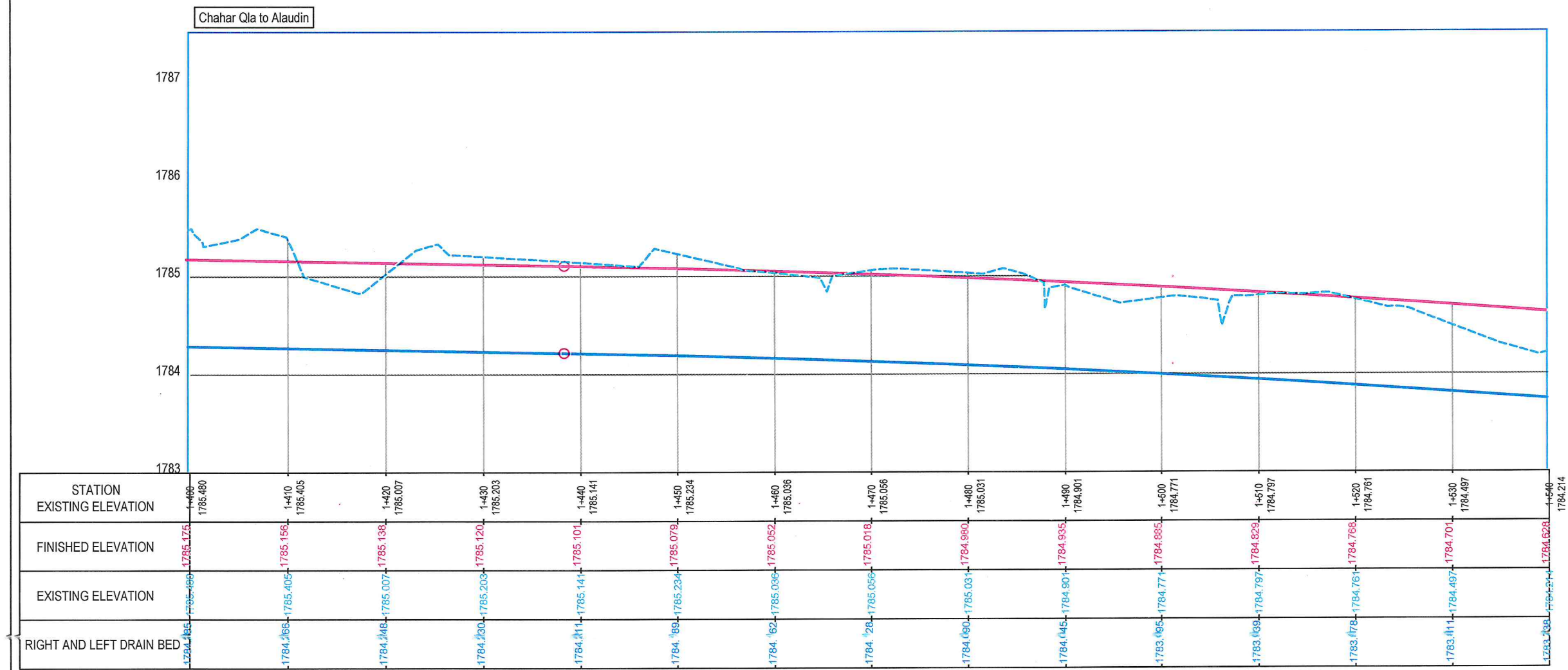


NOTE:
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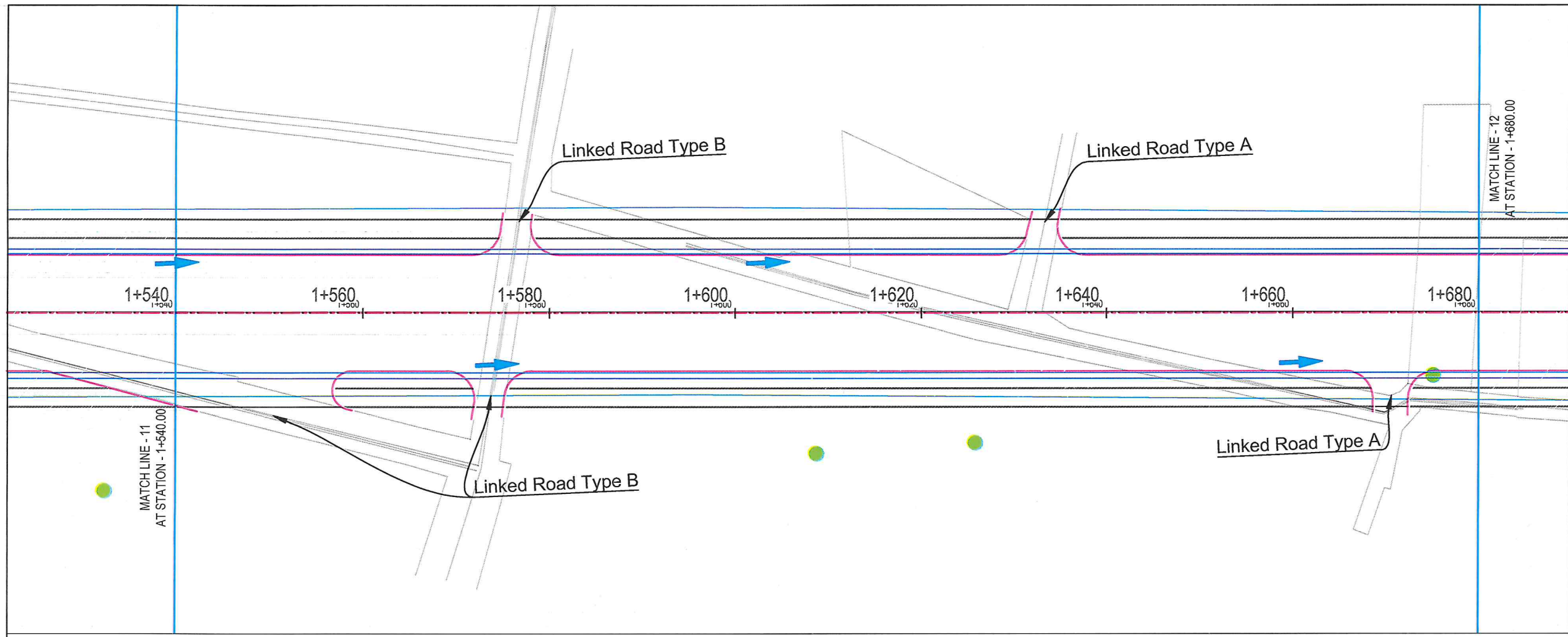
LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

د افغانستان اسلامي امارت
کابل سارواړ
د ښاري زیربنا وړانديز



Date	Revision	Details	Drawn	Chkd	Appr
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name:					
Alaudin to Chahar Qla Road					
Drawing Title:					
PLAN & PROFILE					
Drawn:		Signature:			
Niamatullah Shanwari					
Designed:		Signature:			
Niamatullah Shanwari					
Checked:		Signature:			
Hasibullah Shalizi					
Date: 07/4/2025 Scale: 1:1000					
Status: FINEL DESIGN					
Project Code					



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

LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Alaudin to Chahar Qla Road

Drawing Title:

PLAN & PROFILE

Drawn: Niamatullah Shanwari

Designed: Niamatullah Shanwari

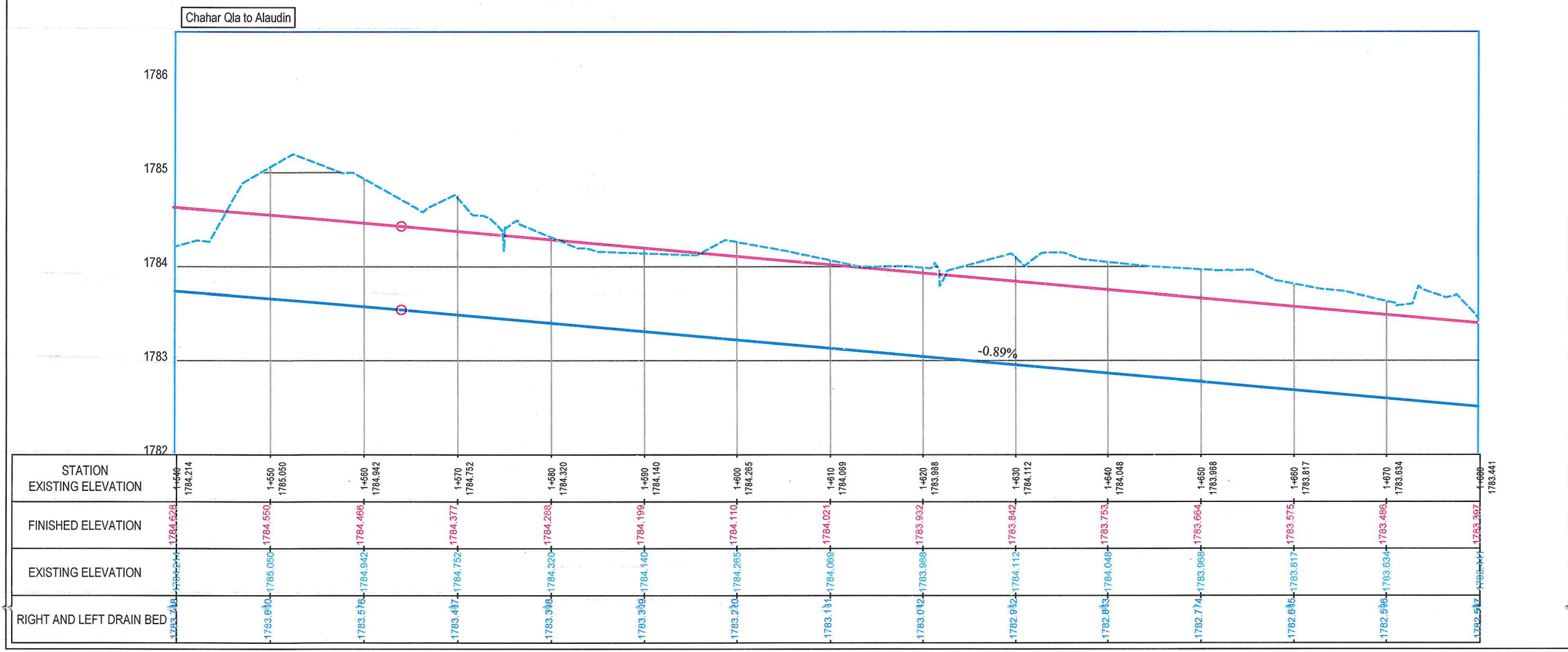
Checked: Hasibullah Shalizi

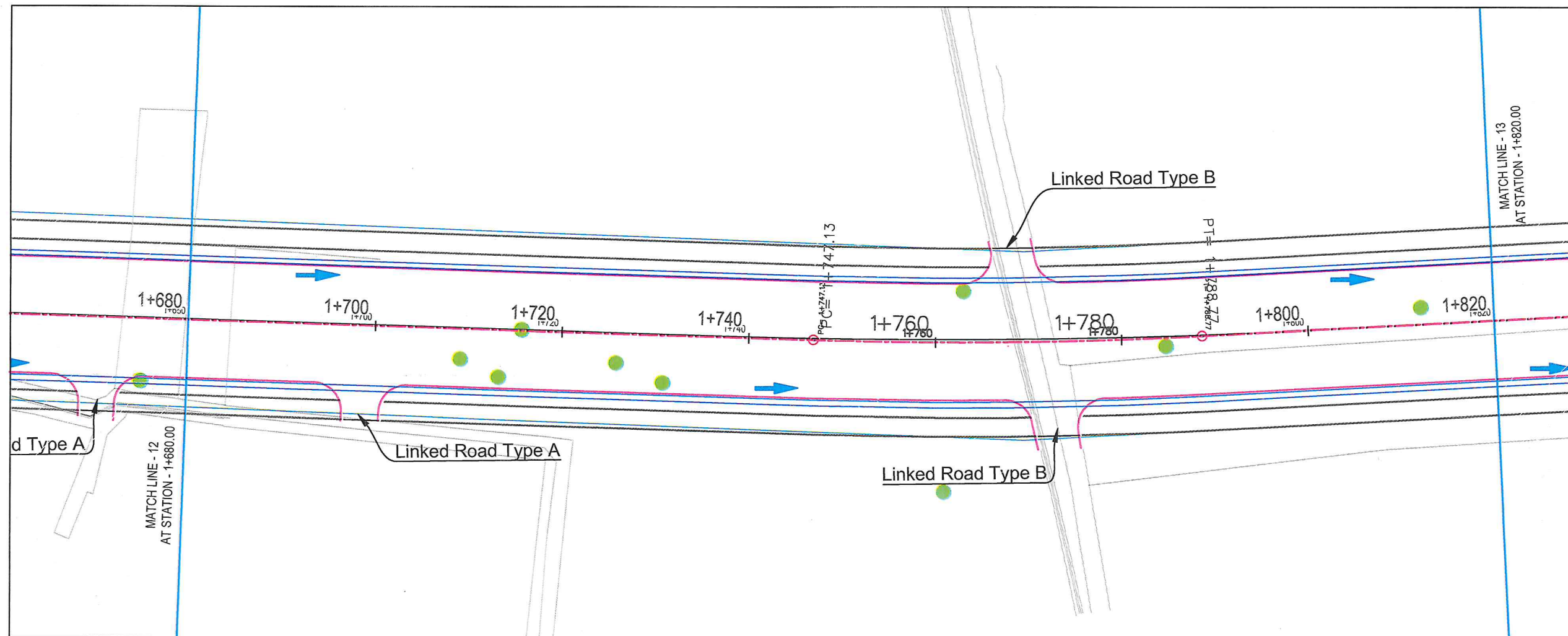
Date: 07/11/2025

Scale: 1:1000

Status: FINAL DESIGN

Project Code:





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

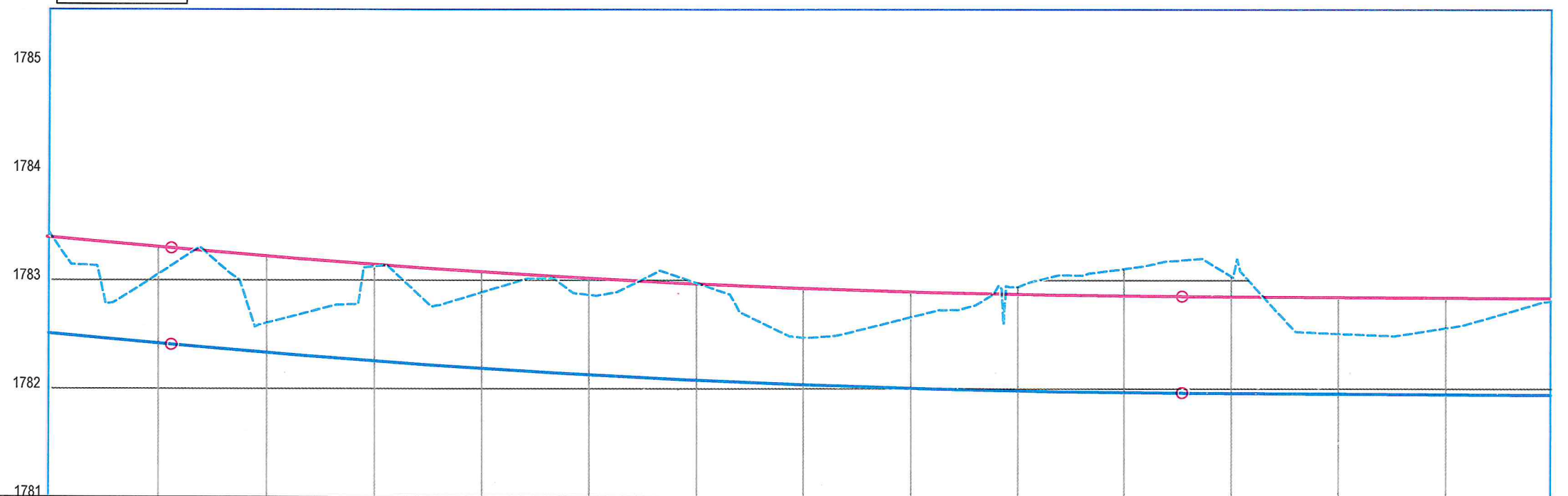
LEGENDS

- CENTER-LINE
- RIGHT OF WAY
- PROPOSED DITCH
- EXISTING FENCE
- EXISTING FEATURES
- CULVERT
- TREE
- BENCH MARK

د افغانستان اسلامي امارت
کابل ساروالی
دینار د زیر بنا وړیا ست

Date	Revision	Details	Drawn	Chkd	Appr

Chahar Qla to Alaudin



STATION	1+680	1+690	1+700	1+710	1+720	1+730	1+740	1+750	1+760	1+770	1+780	1+790	1+800	1+810	1+820
EXISTING ELEVATION	1783.441	1783.042	1782.600	1783.124	1782.880	1782.886	1782.980	1782.472	1782.653	1782.837	1783.101	1783.045	1782.507	1782.556	1782.802
FINISHED ELEVATION	1783.397	1783.307	1783.221	1783.144	1783.076	1783.016	1782.965	1782.924	1782.891	1782.867	1782.852	1782.845	1782.839	1782.834	1782.828
EXISTING ELEVATION	1782.517	1783.042	1782.600	1783.124	1782.880	1782.886	1782.980	1782.472	1782.653	1782.837	1783.101	1783.045	1782.507	1782.556	1782.802
RIGHT AND LEFT DRAIN BED	1782.517	1782.417	1782.331	1782.234	1782.136	1782.126	1782.076	1782.014	1782.001	1781.917	1781.932	1781.935	1781.919	1781.914	1781.918

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

Drawing Title:
PLAN & PROFILE

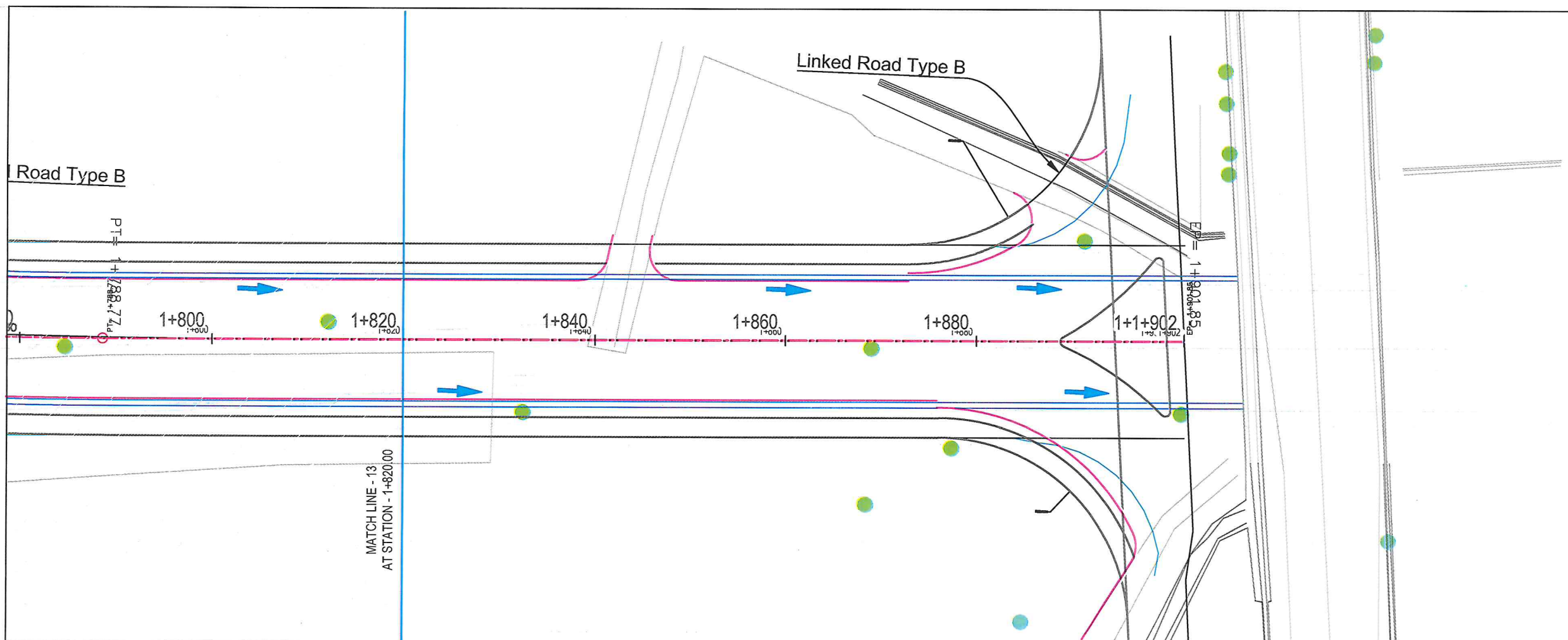
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Designed: Niamatullah Shanwari	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 07/4/2025 Scale: 1:1000

Status: FINEL DESIGN

Project Code

Revision:

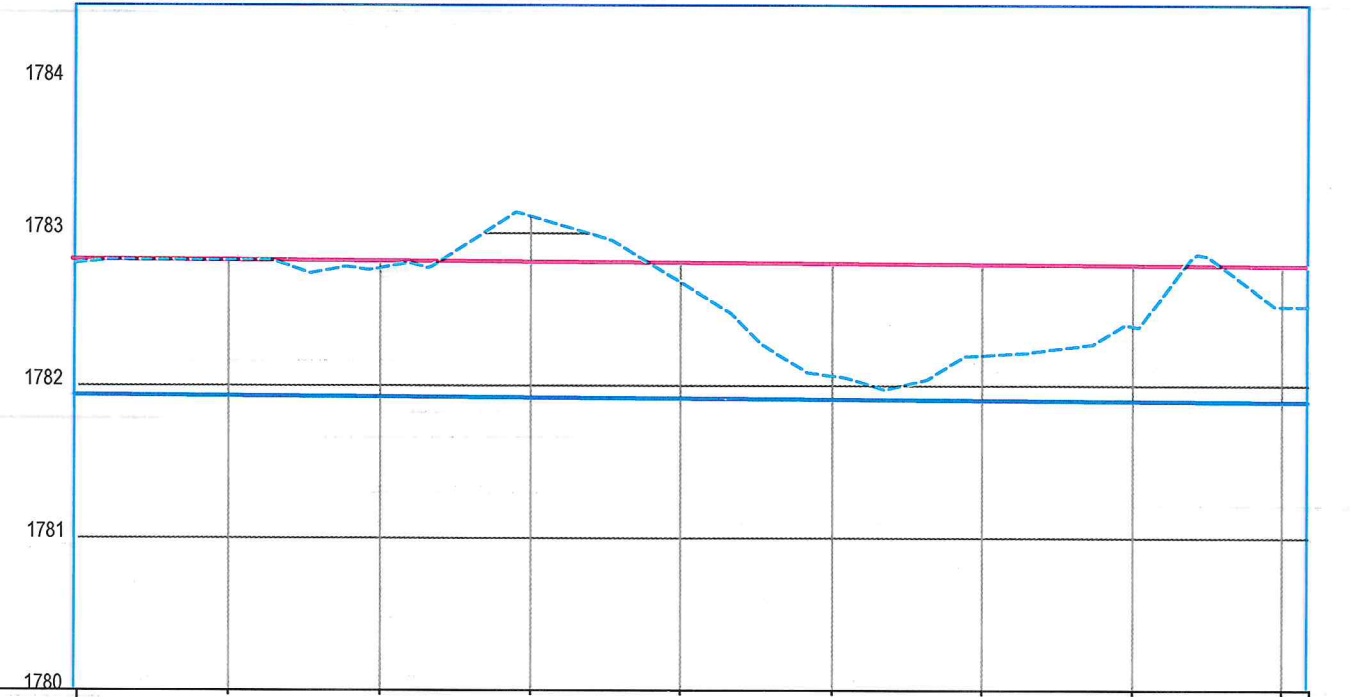


NOTE:
1. All dimensions are in meters unless otherwise indicated.

- LEGENDS
- CENTER-LINE
 - RIGHT OF WAY
 - PROPOSED DITCH
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK



Chahar Qla to Alaudin



STATION	1+800	1+820	1+840	1+860	1+880	1+900	1+902.85
EXISTING ELEVATION	1782.802	1782.823	1782.769	1783.116	1782.688	1782.067	1782.188
FINISHED ELEVATION	1782.802	1782.822	1782.817	1782.811	1782.805	1782.800	1782.794
EXISTING ELEVATION	1782.802	1782.823	1782.769	1783.116	1782.688	1782.067	1782.188
RIGHT AND LEFT DRAIN BED	1781.432	1781.432	1781.427	1781.421	1781.415	1781.410	1781.404

Date	Revision Details	Drawn	Chkd	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Alaudin to Chahar Qla Road

Drawing Title:

PLAN & PROFILE

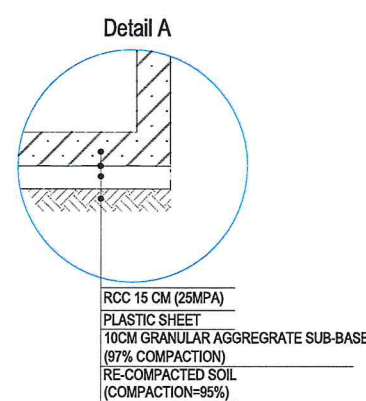
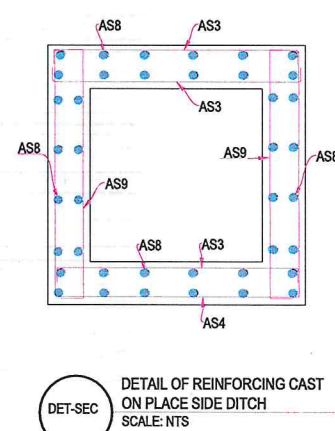
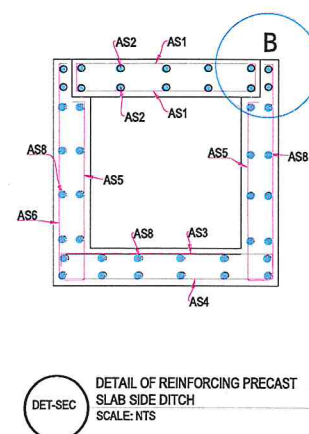
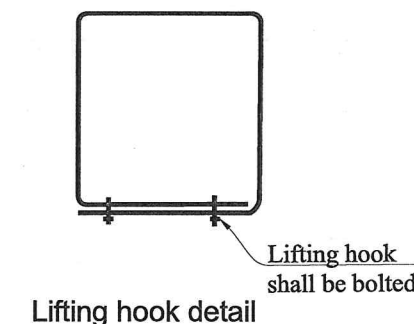
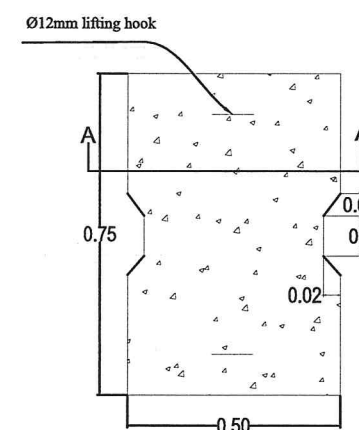
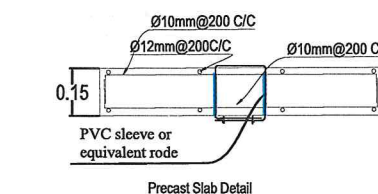
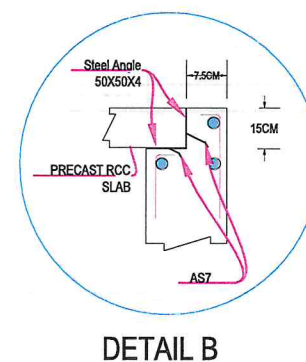
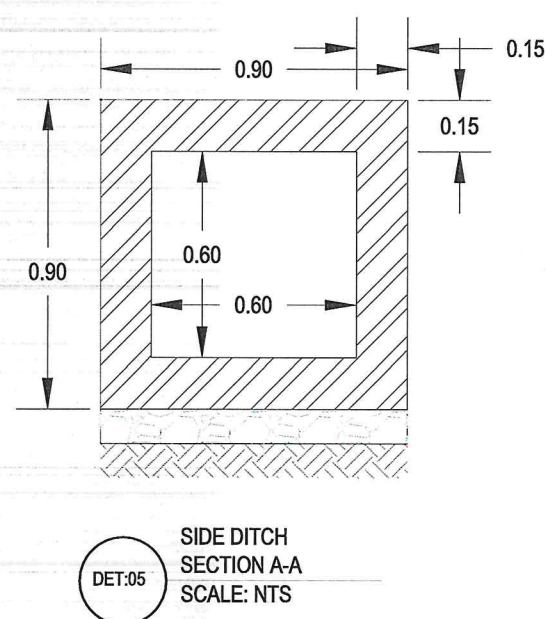
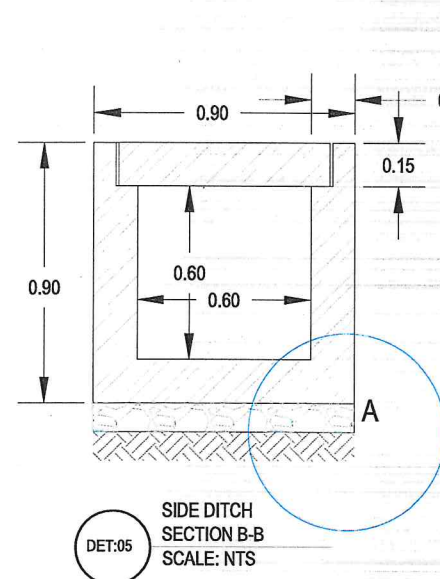
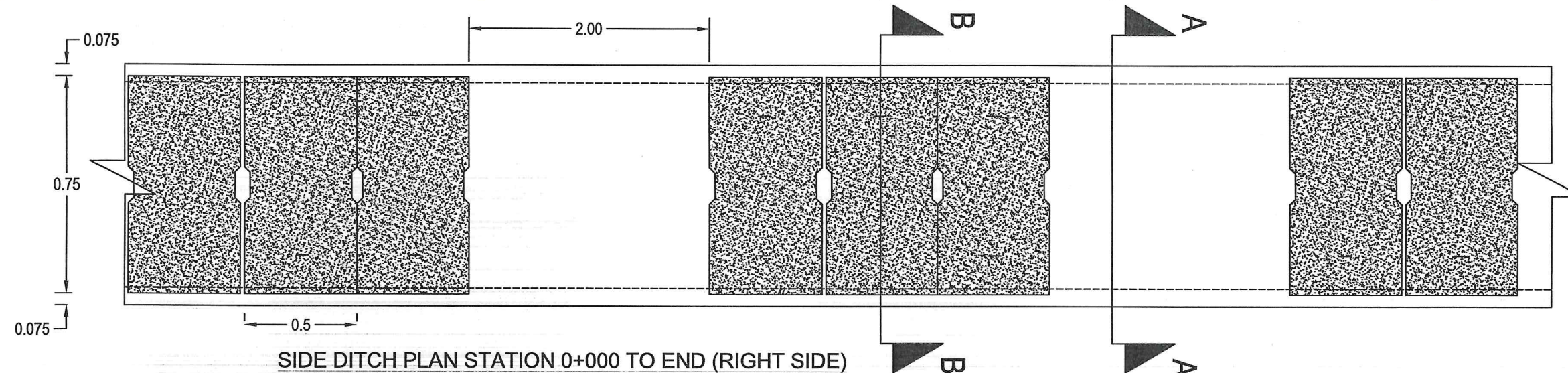
Drawn: Niamatullah Shanwari	Signature:
Designed: Niamatullah Shanwari	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 07/4/2025 Scale: 1:1000

Status: FINEL
DESIGN

Project Code

Revision:



SIDE DITCH (0.6X0.6) REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	
As5		12	200	
As6		12	200	
As7		10	200	
As8		12	200	

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

NOTE:
1. Clear Cover of 2.5 cm shall be consider in the construction of the ditch.
2. 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).
3. Ensure proper alignment and adjustment at the junction of the Drain and the Culvert. Steel Bar mesh shall be installed at the junction to prevent the entry of unwanted materials.

Rev. Date Revision Details Drawn Chkd. Appd.

Islamic Emirate of Afghanistan

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name: Alaudin to Chahar Qla Road

Drawing Title: SIDE DITCH PLAN, SECTIONS & DETAILS

Drawn By: Niamatullah Shanwari Signature:

Designed By: Niamatullah Shanwari Signature:

Checked By: Hasibullah Shalizi Signature:

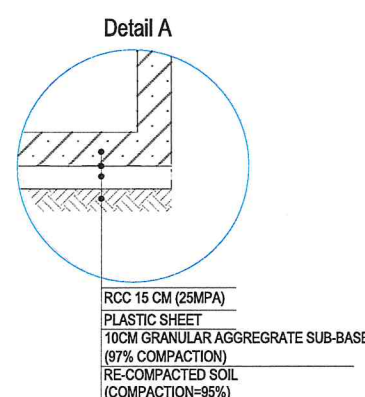
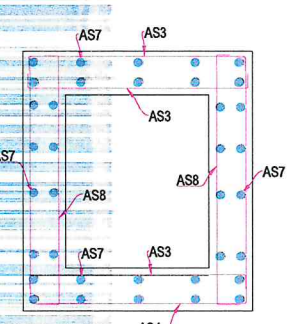
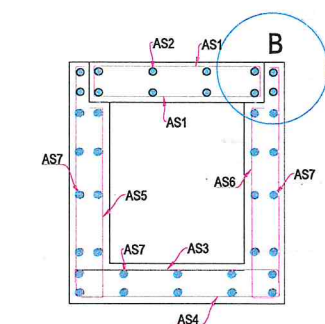
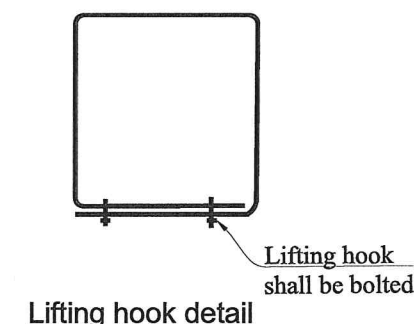
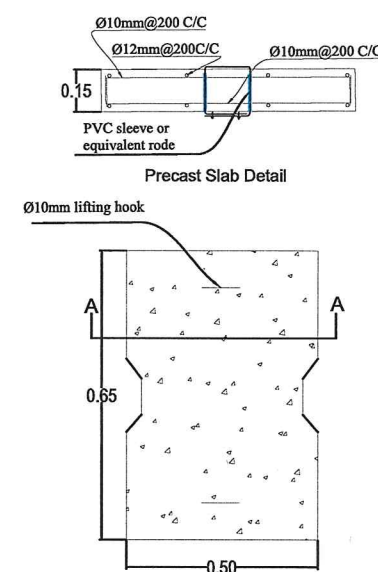
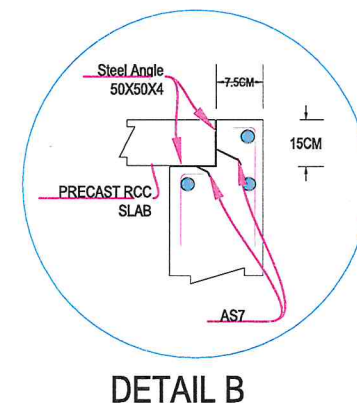
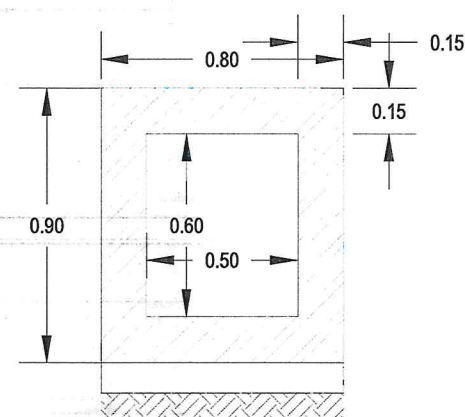
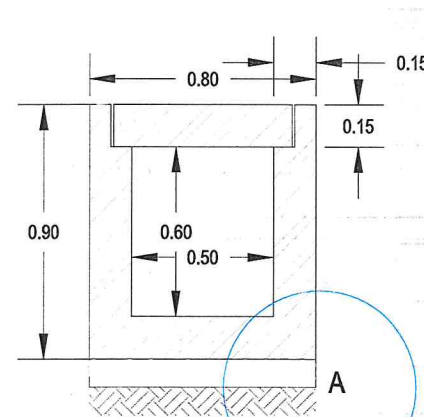
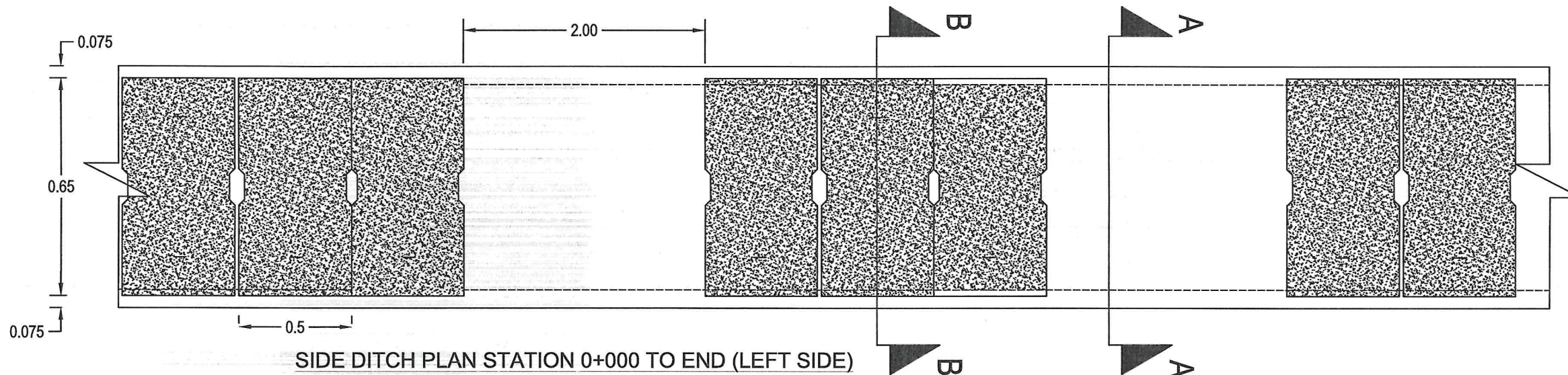
Date: 7/04/2025 Scale: 1:200

Status: FINAL DESIGN

Project Code:

Drawing Number:

Revision:



SIDE DITCH (0.5X0.6) REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		10	200	
As5		12	200	
As6		12	200	
As7		10	200	
As8		12	200	

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

- NOTE:
1. Clear Cover of 2.5 cm shall be consider in the construction of the ditch.
 2. 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).
 3. Ensure proper alignment and adjustment at the junction of the Drain and the Culvert. Steel Bar mesh shall be installed at the junction to prevent the entry of unwanted materials.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of Afghanistan

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Alaudin to Chahar Qla Road

Drawing Title:
SIDE DITCH PLAN, SECTIONS & DETAILS

Drawn By: Niamatullah Shanwari
Designed By: Niamatullah Shanwari
Checked By: Hasibullah Shalizi

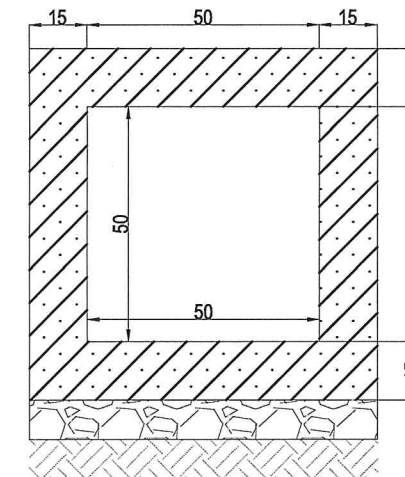
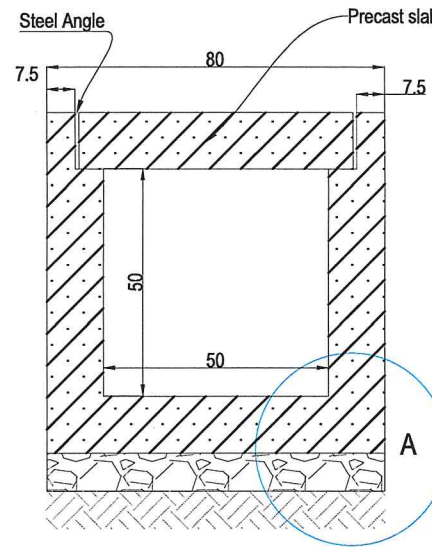
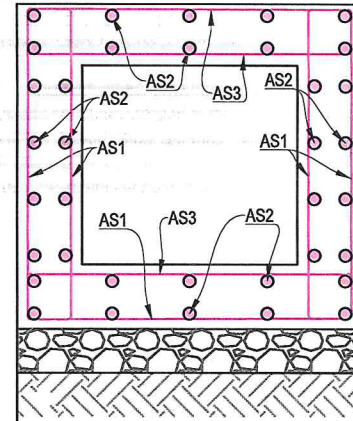
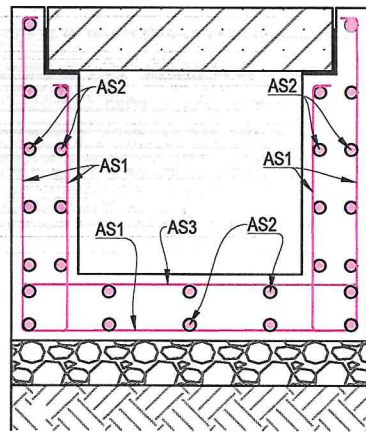
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Status: FINAL DESIGN

Project Code

Drawing Number

Revision

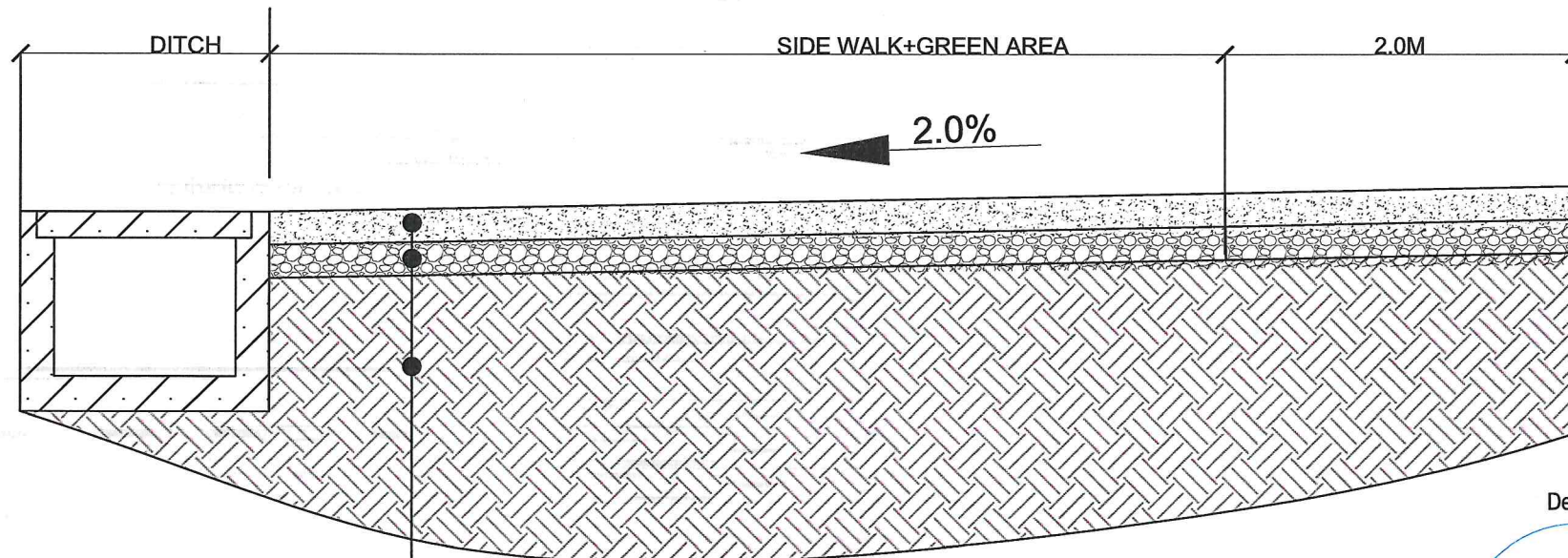


DET-SD LINKED DITCH REINFORCEMENT DETAILS

DET-SD LINKED ROAD REINFORCEMENT DETAILS

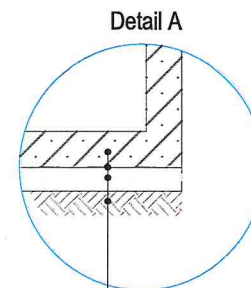
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DET DIMENSION AND MATERIAL DETAILS

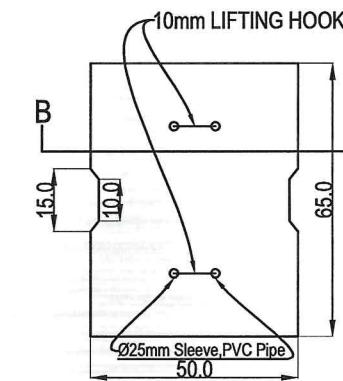


15CM PCC 25MPa
15CM COMPACTED GRANULAR BASE COURSE MATERIALS CBR 80%, COMPACTION 98%
SUB GRADE SHOULD HAVE MIN OF 95% COMPACTION AND CBR>7.1, (SUB GRADE SHOULD BE SCREENED FROM OVER SIZE, ORGANIC AND DAMPED MATERIALS)

LINKED ROAD PAVEMENT LAYERS DETAILS



RCC 15 CM (25MPa)
PLASTIC SHEET
10CM GRANULAR AGGREGATE SUB-BASE
(97% COMPACTION)
RE-COMPACTED SOIL
(COMPACTION=95%)



Ø10mm@15cm c/c
Ø12mm@15cm c/c
Ø10mm@15cm c/c

SECTION (B-B)
PRE-CAST SLAB, M25

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

- NOTE:
1. Clear Cover of 2.5 cm shall be consider in the construction of the ditch.
 2. 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).
 3. Ensure proper alignment and adjustment at the junction of the Drain and the Culvert. Steel Bar mesh shall be installed at the junction to prevent the entry of unwanted materials.



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Alaudin to Chahar Qla Road

Drawing Title:

LINK ROAD SIDE DITCH DETAILS

Drawn By:

Niamatullah Shinwari

Signature:

Designed By:

Niamatullah Shinwari

Signature:

M. Ali Dawlatzada

Checked By:

Hasibullah Shalizi

Signature:

Date:

21/10/2024

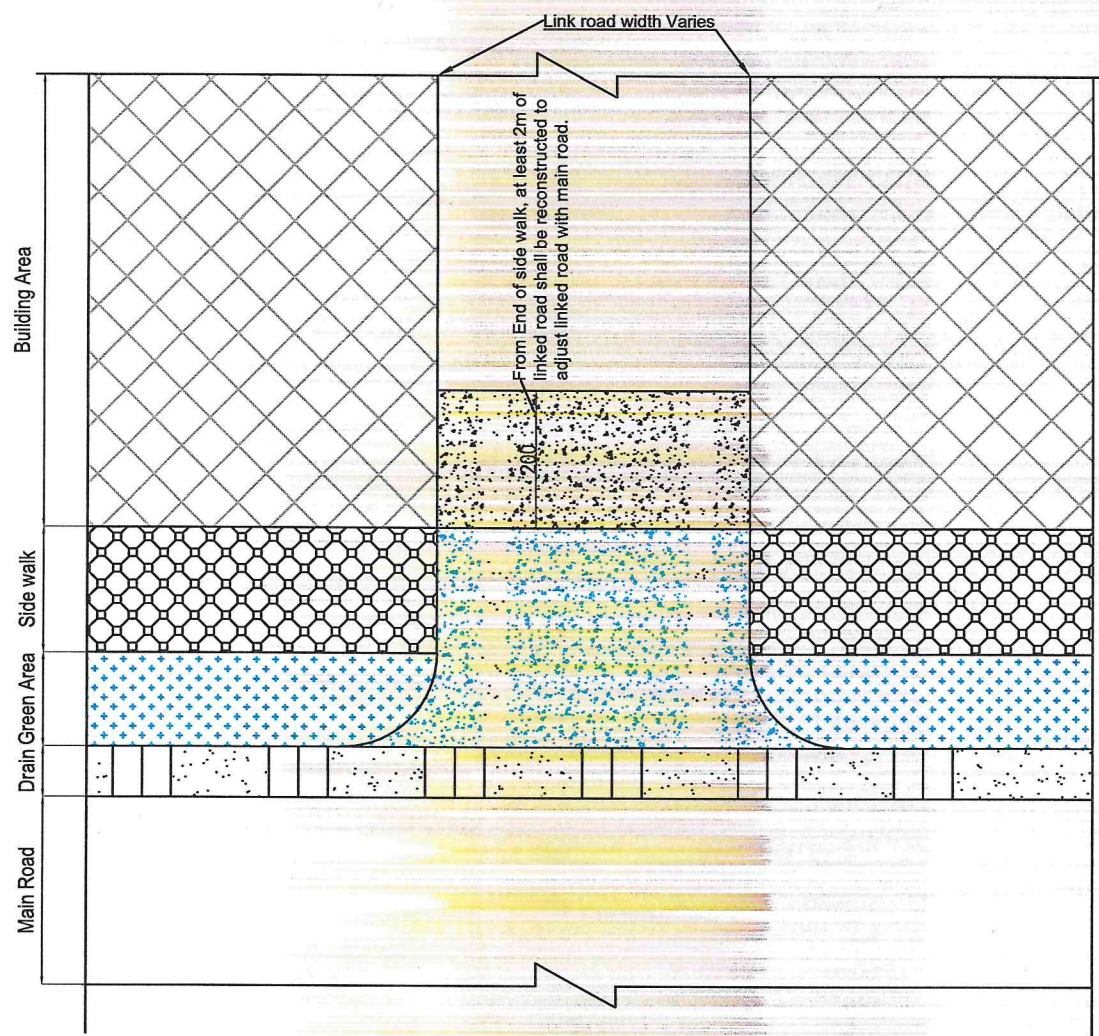
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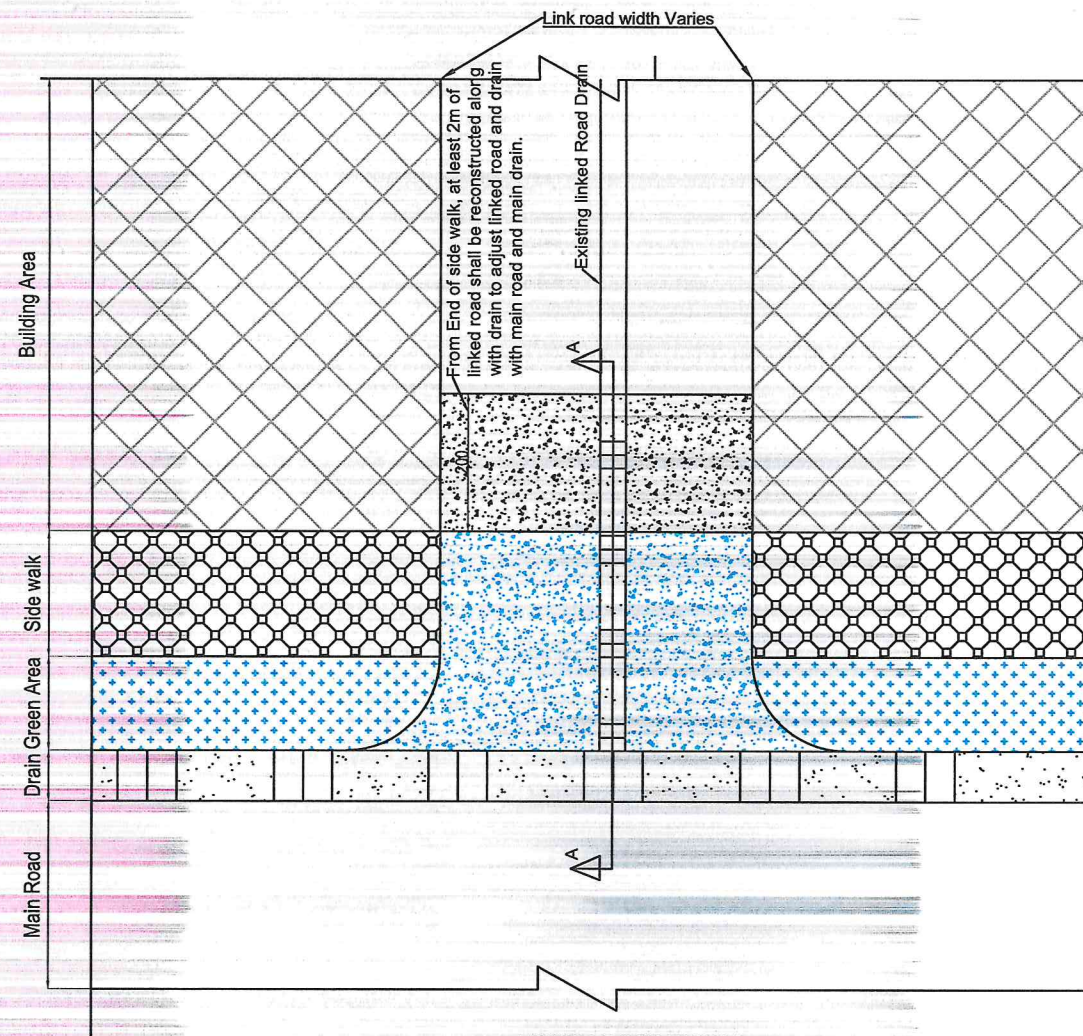
FINAL DESIGN

Project Code

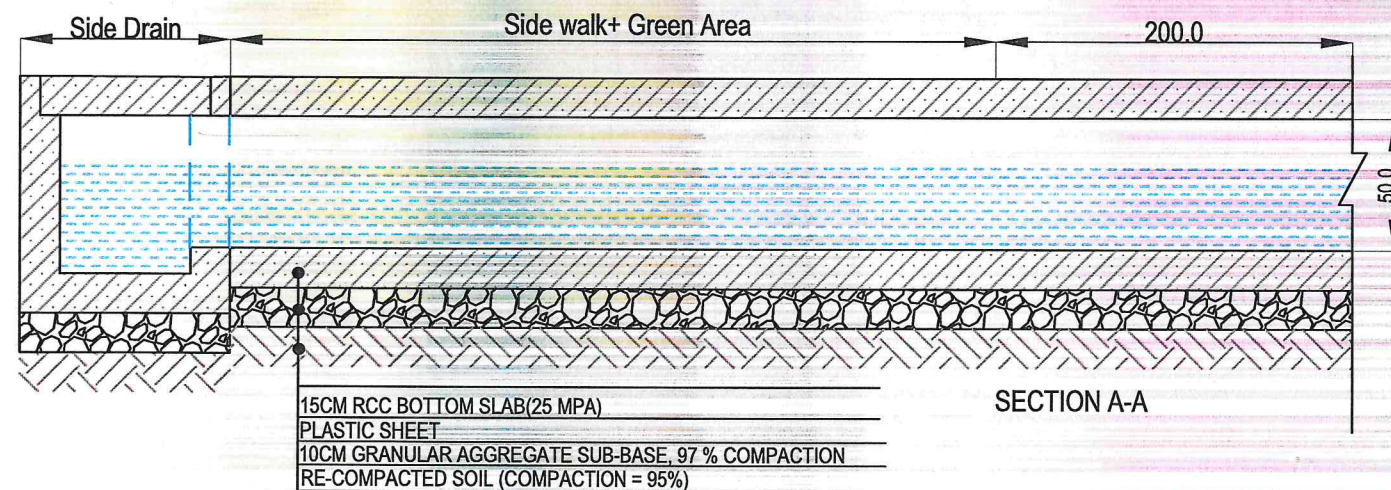
SHEET	PAGE NO	REVISION
12	12	01



LINKED ROAD TYPE A
(Without side ditch)



LINKED ROAD TYPE B
(With Single side ditch)



Note:

1. All linked road side ditches are 50x50cm.
2. All linked road which don't flow toward main road side drain, the linked road side ditches shall be reconstructed as per linked road ditch details but must not be connected with main road side drain.

- NOTE1:
All dimensions are in Centimeter unless otherwise indicated.
- NOTE2:
1. Clear Cover of 5.0 cm shall be consider in the construction the Culvert.
 2. 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).



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Alaudin to Chahar Qla Road

Drawing Title:

LINK ROAD SIDE DITCH DETAILS

Drawn By: Niamatullah Shinwari	Signature:
Designed By: Niamatullah Shinwari M. Ali Dawlatzada	Signature:
Checked By: Hasibullah Shalizi	Signature:

Date:
07/4/2025

Scale:

Status: FINAL DESIGN

Project Code

SHEET	PAGE NO	REVISION
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STREET LIGHTING SECTION



TABLE OF CONTENTS

PAGE NO.	DESCRIPTION	REV STATUS
	GENERAL	
01 OF 24	COVERAGE OF PROJECT	
02 OF 24	TABLE OF CONTENT	
	CIVIL- ELECTRIC LIGHT LAYOUT PLAN FOR	
03 OF 24	ELECTRIC LIGHT LAYOUT PLAN 1/1	
04 OF 24	ELECTRIC LIGHT LAYOUT PLAN 1/2	
05 OF 24	ELECTRIC LIGHT LAYOUT PLAN 1/3	
	ELECTRIC POLE DETAILS	
06 OF 24	DETAILS FOR ELECTRIC POLES	
07 OF 24	DETAILS FOR ELECTRIC POLES	
08 OF 24	DETAILS FOR ELECTRIC POLES	
09 OF 24	DETAILS FOR ELECTRIC POLES	
10 OF 24	DETAILS FOR ELECTRIC POLES	
	ELECTRIC MANHOLES	
11 OF 24	DETAILS FOR MANHOLE	
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13 OF 24	DETAILS FOR MANHOLE	
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	ELECTRIC POWER DISTRIBUTION BOARD	
15 OF 24	ELECTRIC CABAL CALCULATION	
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17 OF 24	ELECTRIC CABAL CALCULATION	
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22 OF 24	CONTROL CIRCUIT DIAGRAM	
23 OF 24	DETAILS FOR ELECTRIC GROUNDING	
24 OF 24	ELECTRIC CABAL VOLTAGE LOSSES CALCULATION	

NOTE:



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn:Jamalulha Nazari

Signature:

Designed:Jamalulha Nazari

Signature:

Checked:Hasibullah Shalizi

Signature:

Date:

2025/2/13

Status:

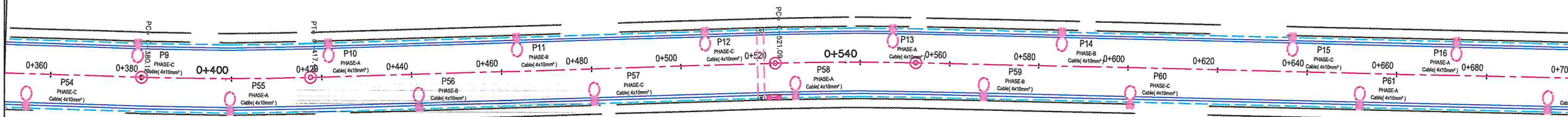
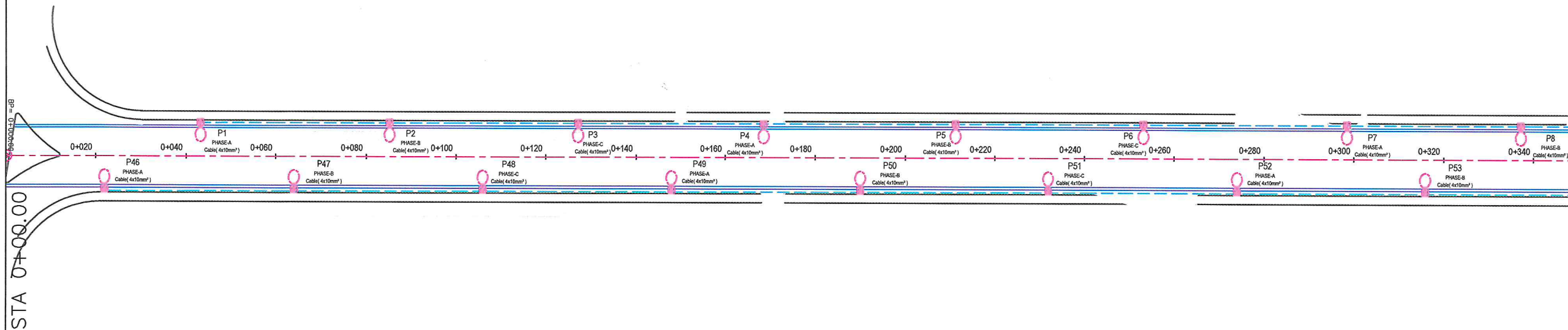
FINEL DESIGN

Project Code

SHEET NO.

T-C

PAGE NO



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 electricale mane hole position , According to voltage losses.

NOTE:
1-All cables to be used fot street lighting shall be XPLE PVC type
2-the conduit crossing under the carriageway shall have at least1200mm cover from the road surface.
3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND
single pole street light
4x10mm²Conduit & Conductor
Steel-Pipe Φ 50-mm
MANHOLE-ELE
MDP



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:
Lighting - Plane

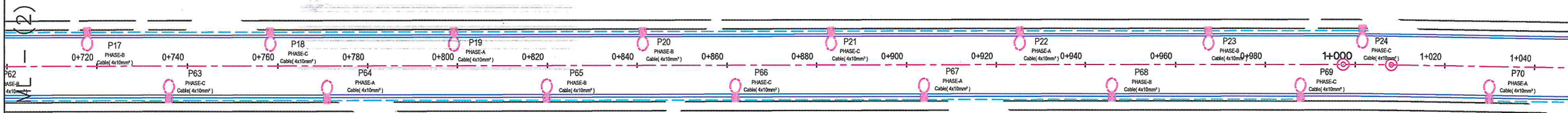
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Designed: Jamalullah Nazari
Checked: Hasibullah Shalizi

Date: 2025/3/29
Scale: 1:1000

Status: FINAL DESIGN

Project Code

SHEET NO. L-P-1
Revision 01



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

LEGEND

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



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

ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Lighting - Plane

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

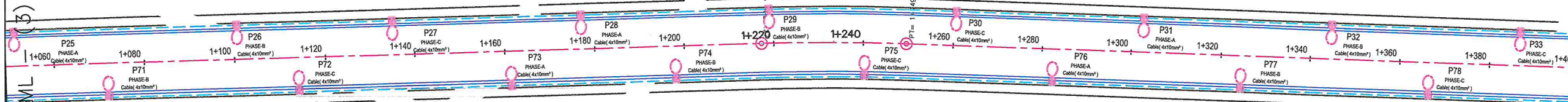
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2025/3/29

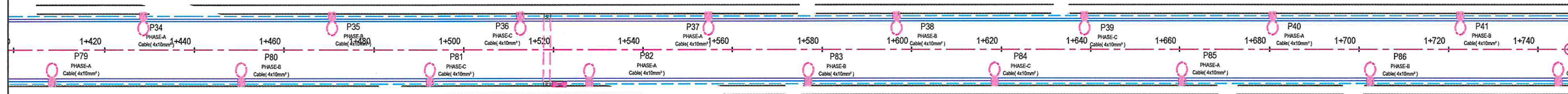
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Status:
FINAL DESIGN

Project Code

SHEET NO.	Revision
L-P-2	01





NOTE:

1-All cables to be used for street lighting shall be XPLE PVC type

2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.

3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND

single pole street light

4x10mm² Conduit & Conductor

Steel-Pipe Φ 50-mm

MANHOLE-ELE

MDP



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC REPUBLIC OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Lighting - Plane

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

Date:

2025/3/29

Scale:

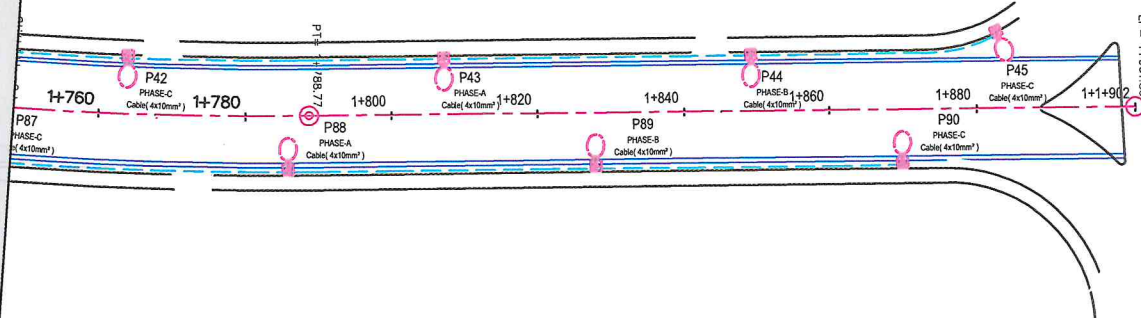
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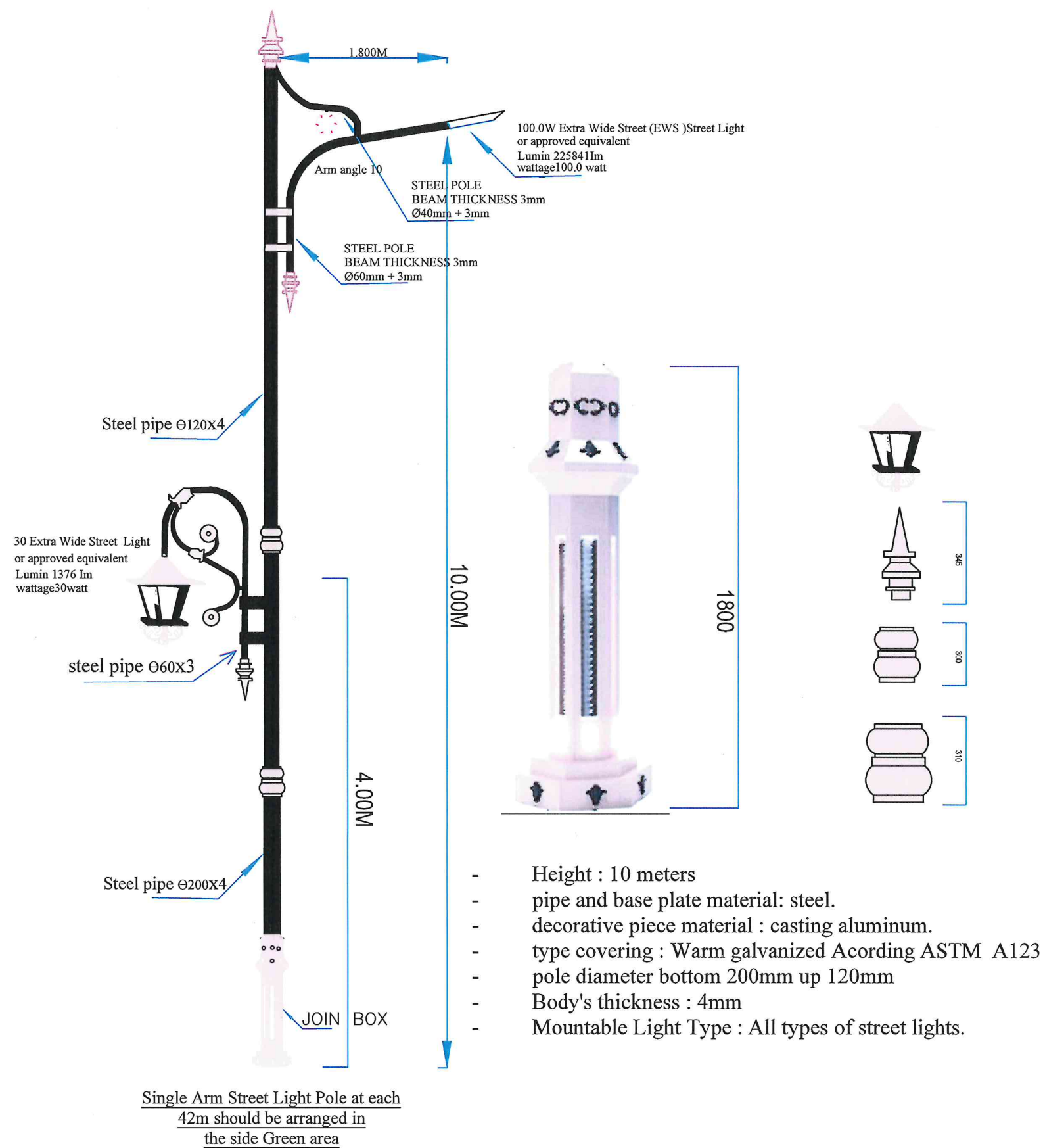
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SHEET NO.	Revision
L-P-3	01



(5)

STREET LIGHTING POLE



NOTE:



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:
Hasibullah shalizi

Signature:

Date: 2025/2/13

Status:

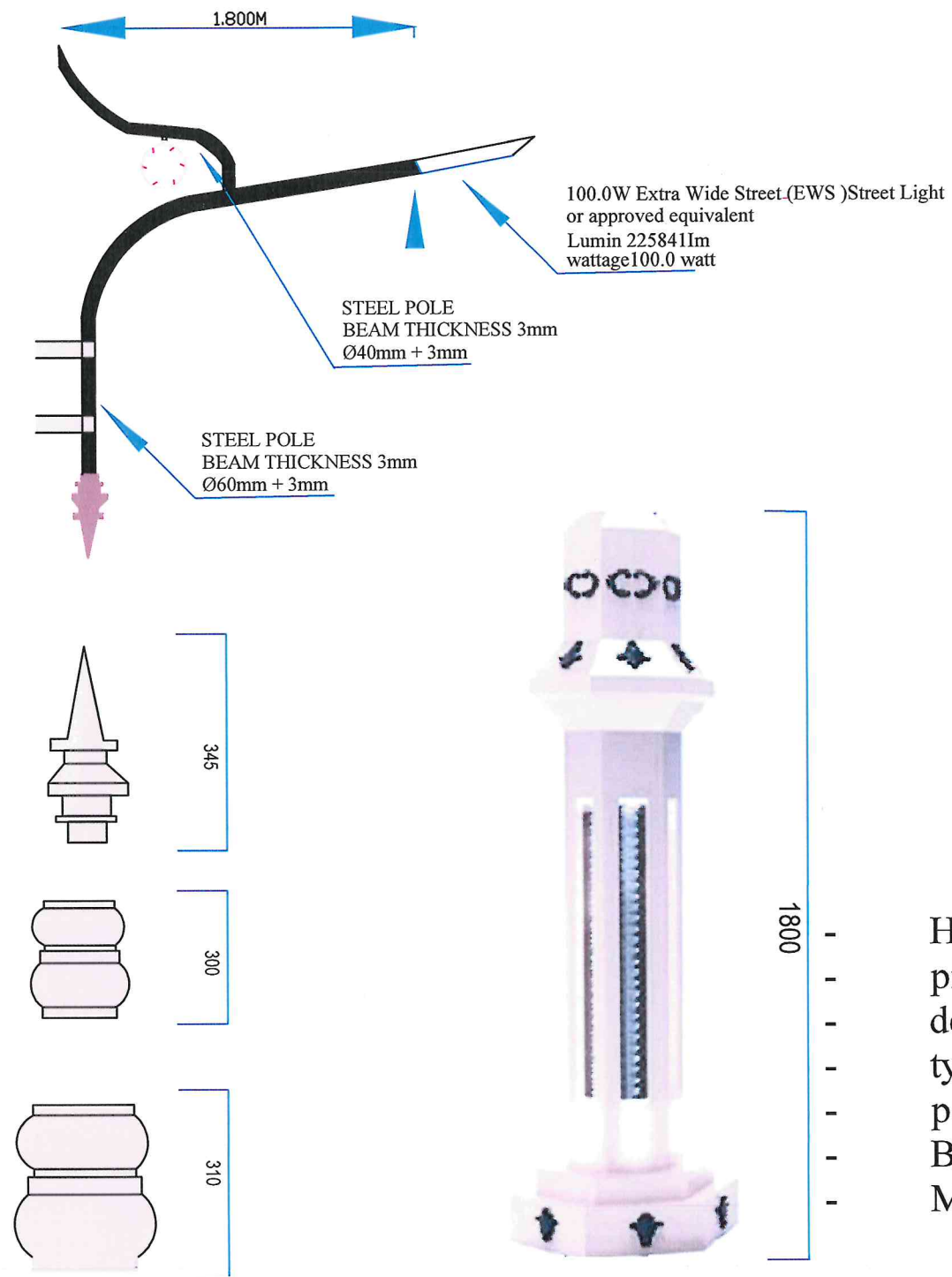
FINEL DESIGN

Project Code

SHEET NO.

EP

PAGE NO



Height : 10 meters
 pipe and base plate material: steel.
 decorative piece material : casting aluminum.
 type covering : Warm galvanized According ASTM A123
 pole diameter bottom 200mm up 120mm
 Body's thickness : 4mm
 Mountable Light Type : All types of street lights.

NOTE:



Date	Revision Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamahlha Nazari

Signature:

Designed: Jamahlha Nazari

Signature:

Checked: Hasibullah shalizi

Signature:

Date: 2025/2/13

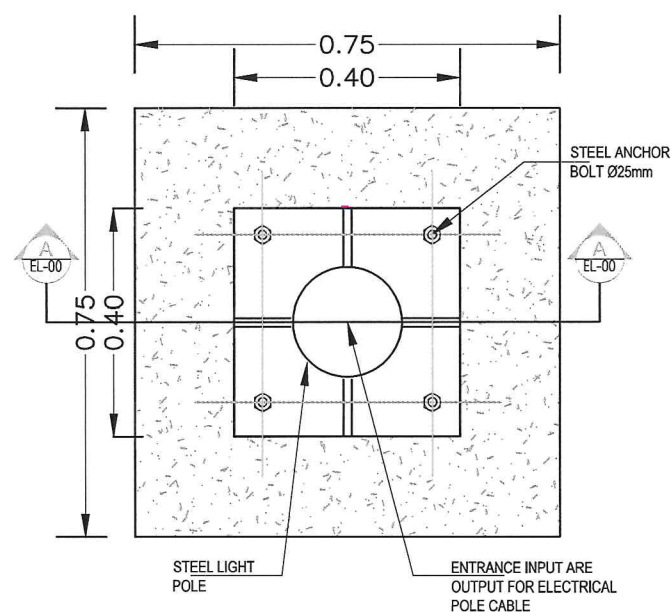
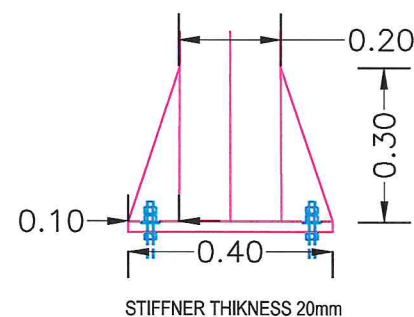
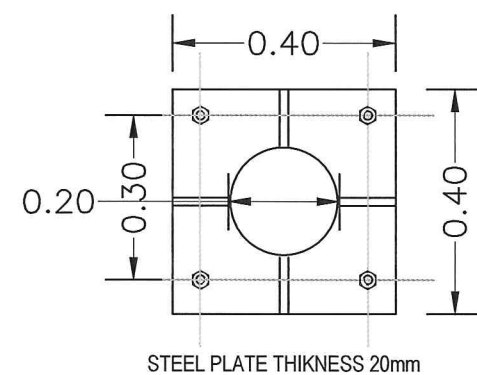
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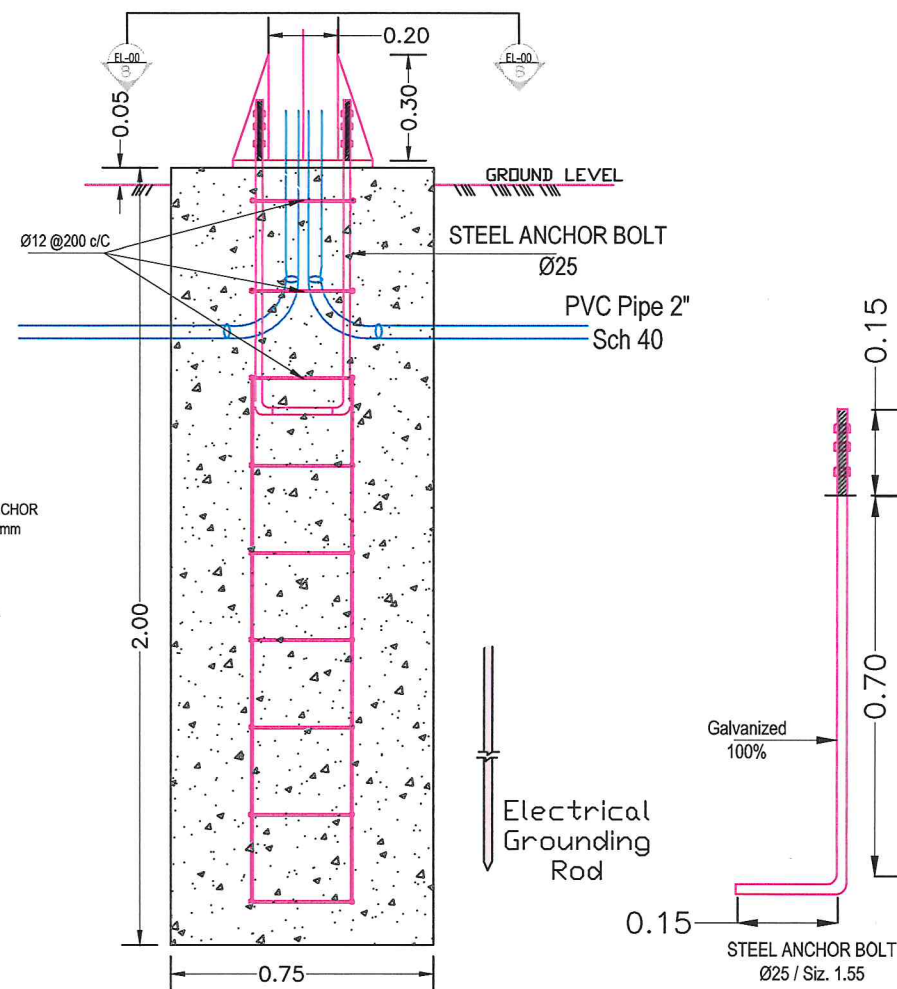
EP

PAGE NO



Note:
all Dimension are in Meter

DETAIL



SECTION A-A

Hot Dip Galvanized steel street light pole type below.

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 walk area	10000	400	20	120	200	4	2000

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 the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamallulha Nazari

Signature:

Designed: Jamallulha Nazari

Signature:

Checked:

Hasibullah shalizi

Signature:

Date: 2025/2/13

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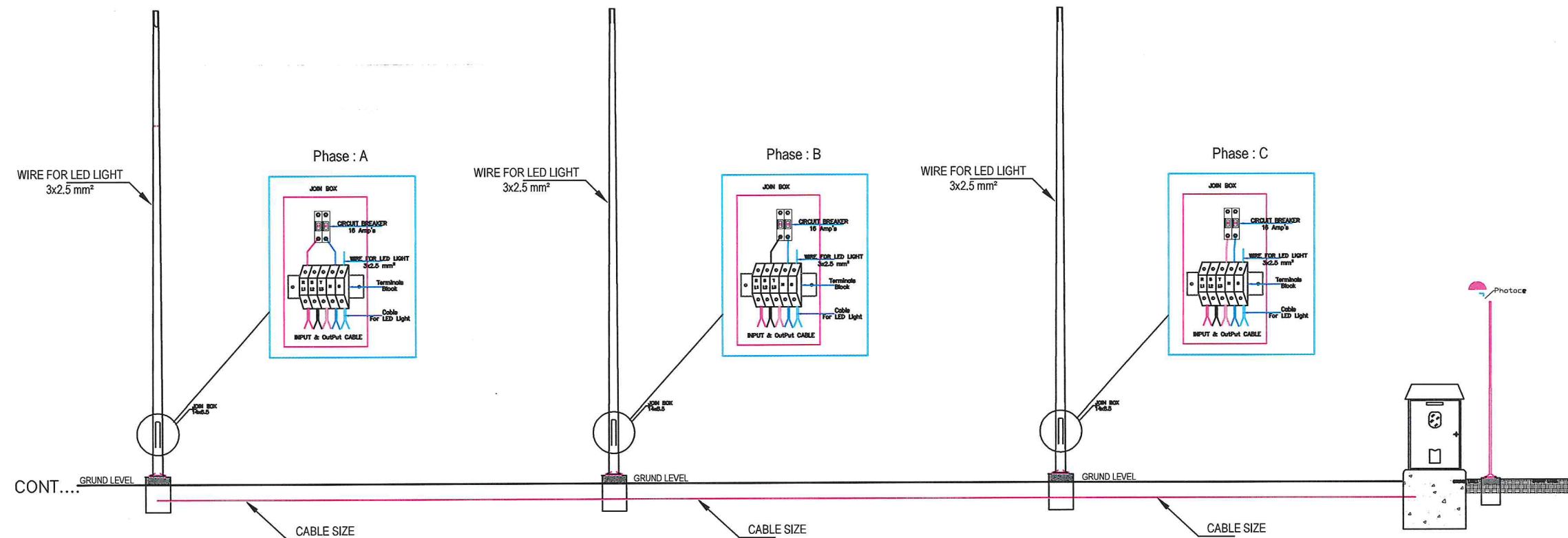
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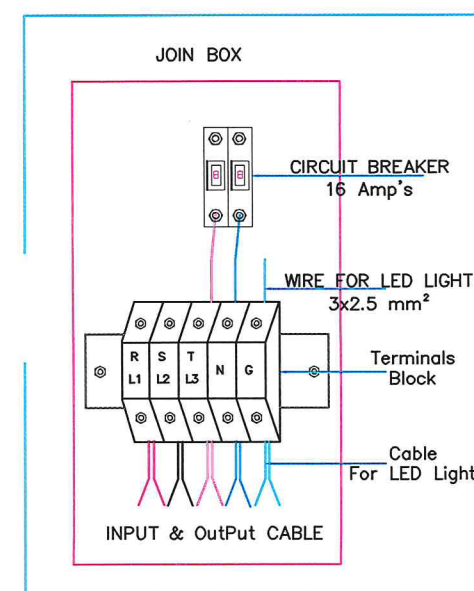
EP

PAGE NO



Note:
all Dimension are in Meter

Note:
Its to be noted that during the project implementation, the electrical source should be selected by Project Manager and DABS team from nearest and proper Source.



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:

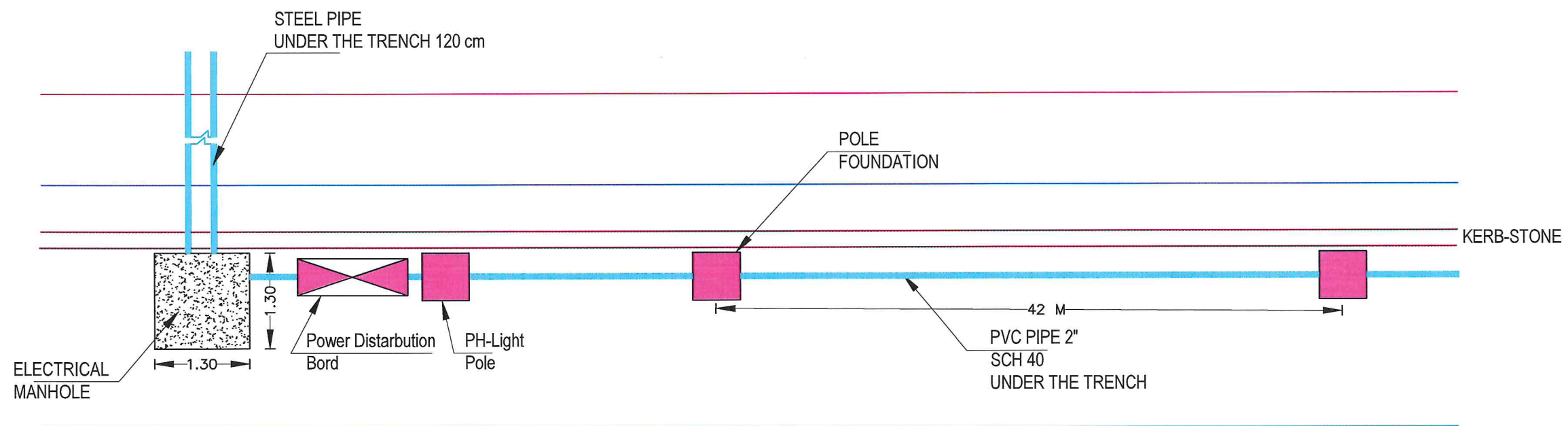
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intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

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Designed: Jamshid Nazari	Signature:
Checked: Hamidullah Shalizi	Signature:

Date:	2025/2/13
Status:	FINEL DESIGN
Project Code	
SHEET NO.	EP
PAGE NO.	



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

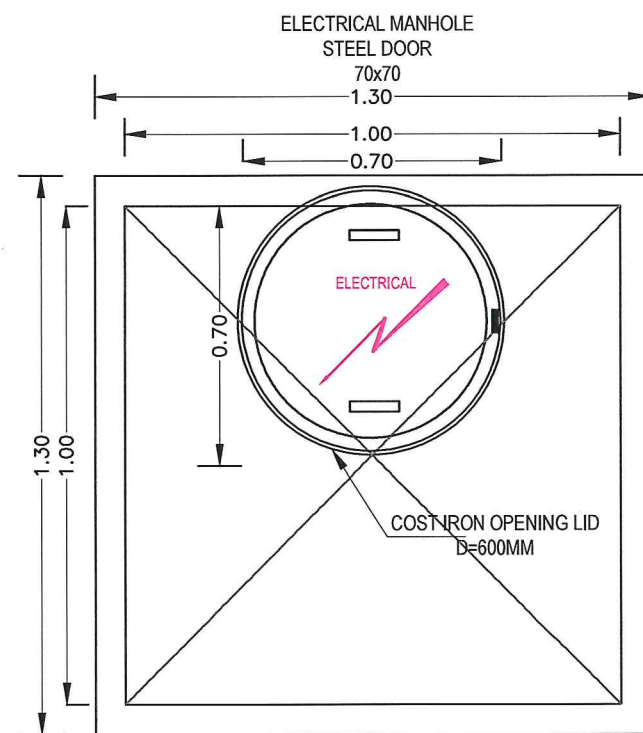
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Date: 2025/2/13

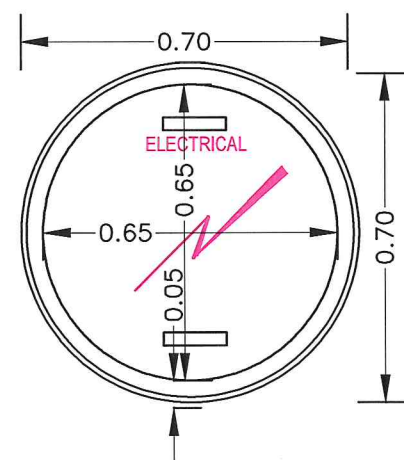
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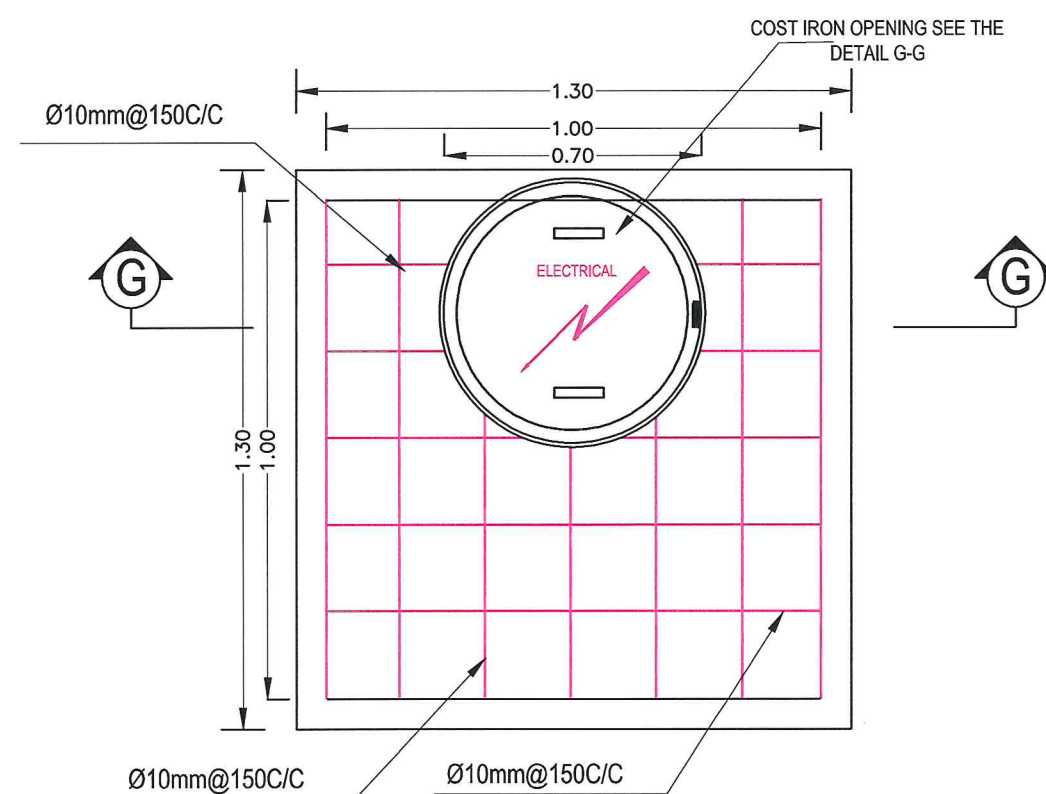
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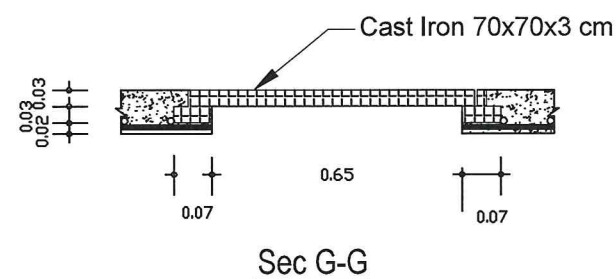
MANHOLE OPENING PLAN



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 the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:

Hasbullah shalizi

Signature:

Signature:

Date: 2025/2/13

Status:

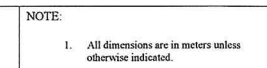
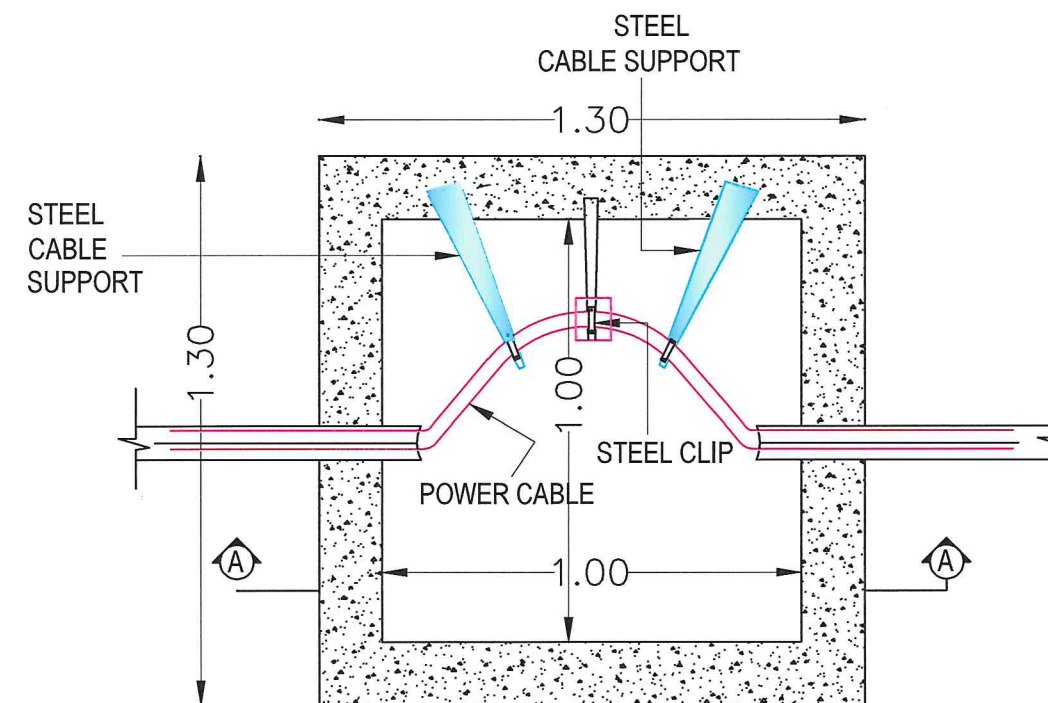
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DESIGN

Project Code

SHEET NO.

EM-1

PAGE NO



Date	Revision Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalullha Nazari

Signature: _____

Designed: Jamalulla Nazari

Signature: _____

Checked:
Hasibullah shalizi

Signature: _____

Date: 2025/2/13

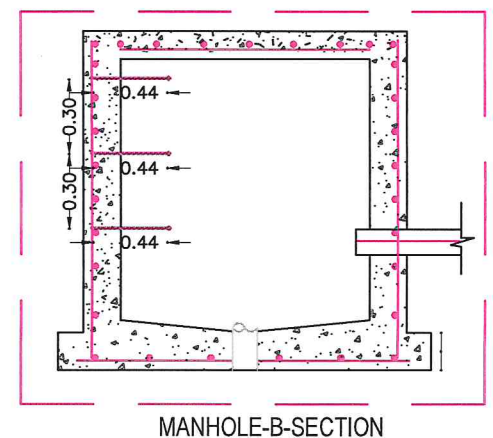
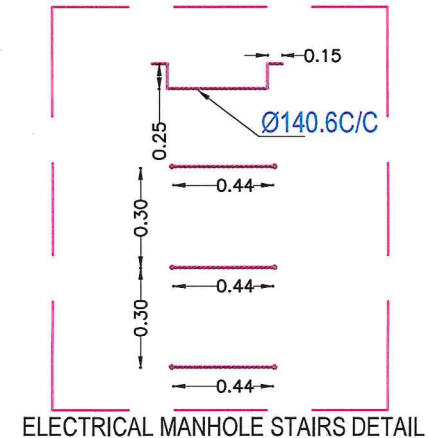
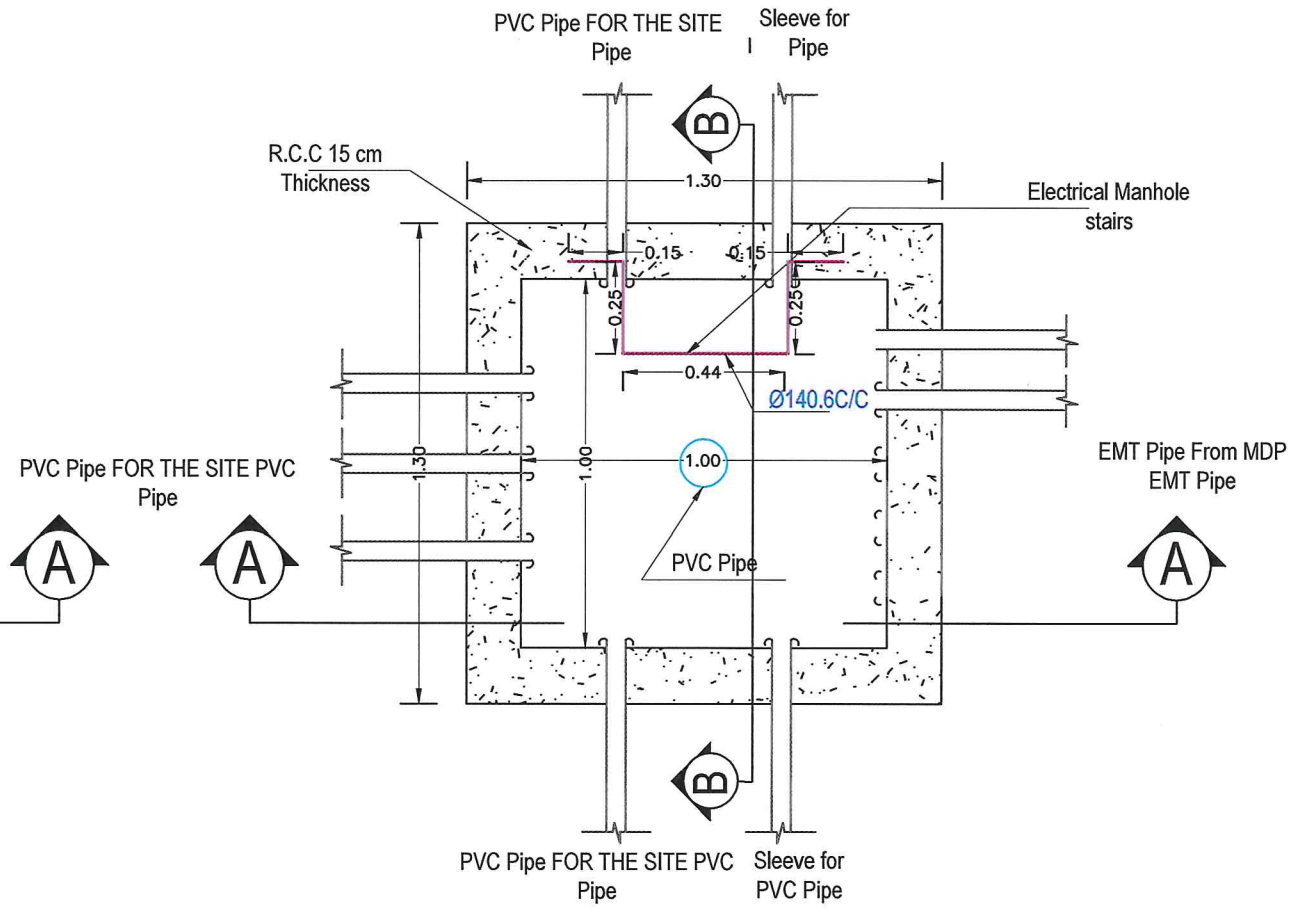
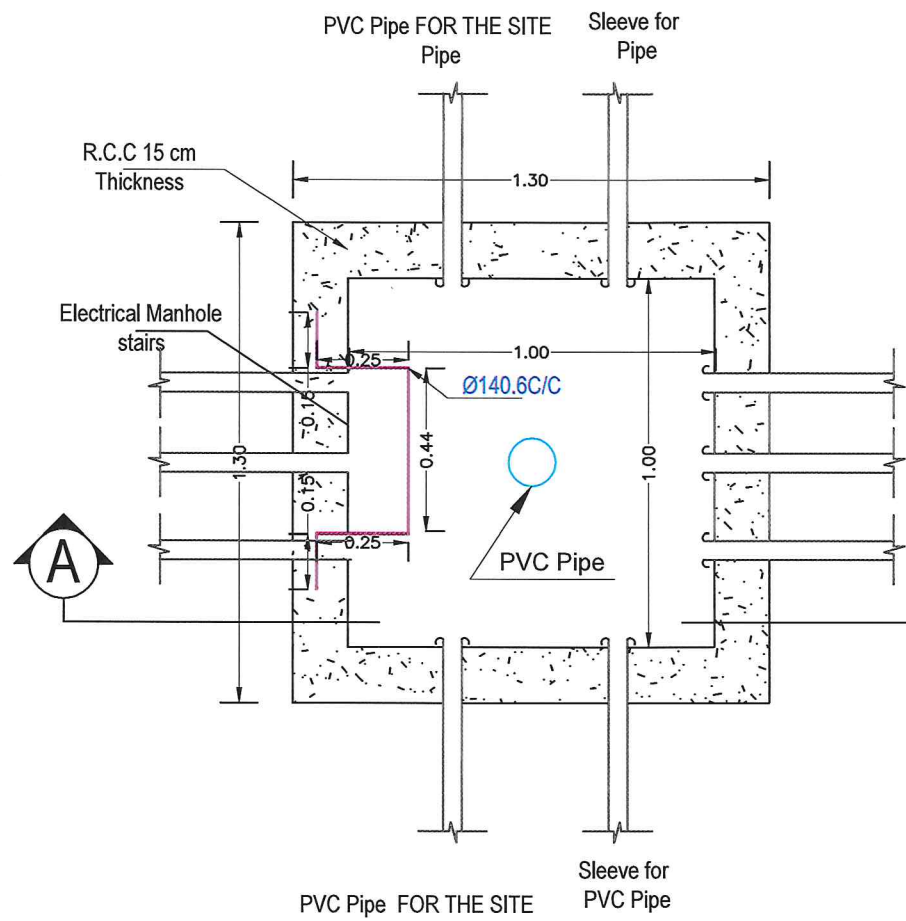
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Project Code	
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SHEET NO.

PAGE NO

EM-2



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 the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

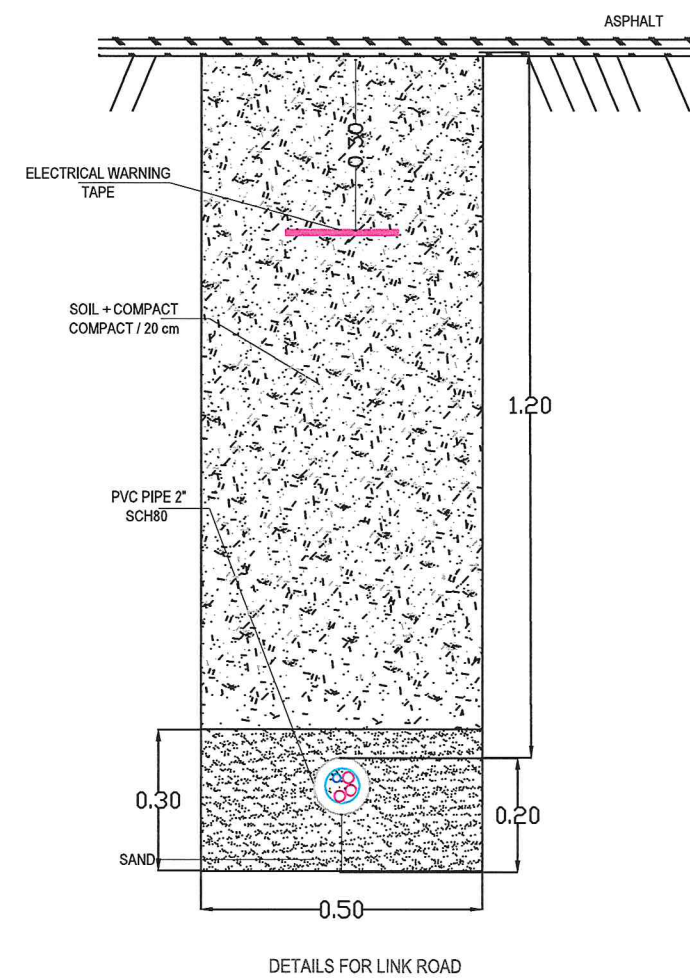
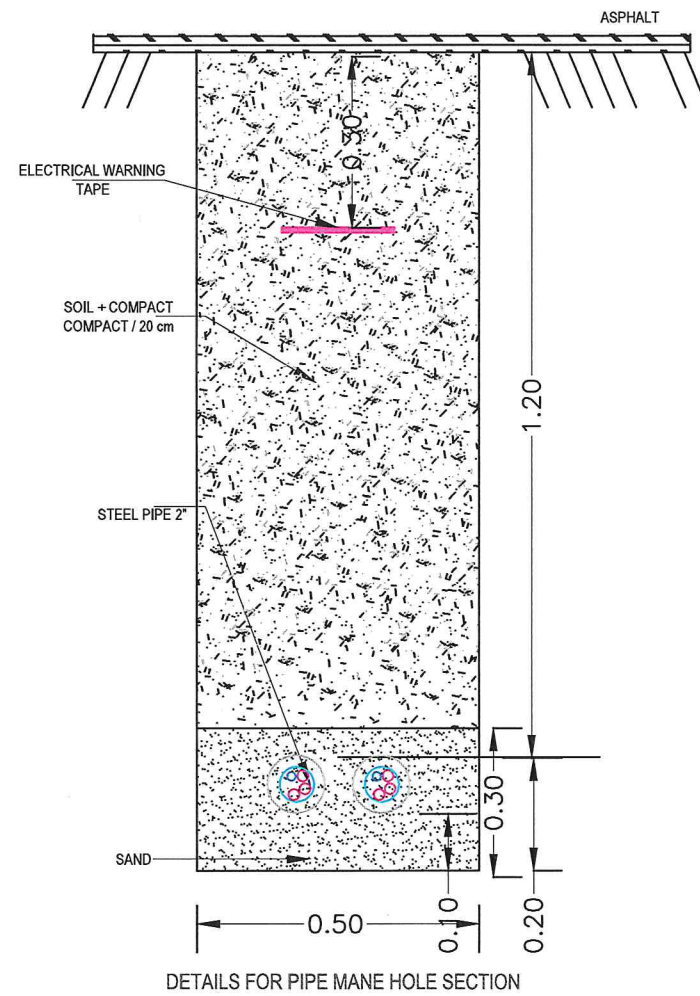
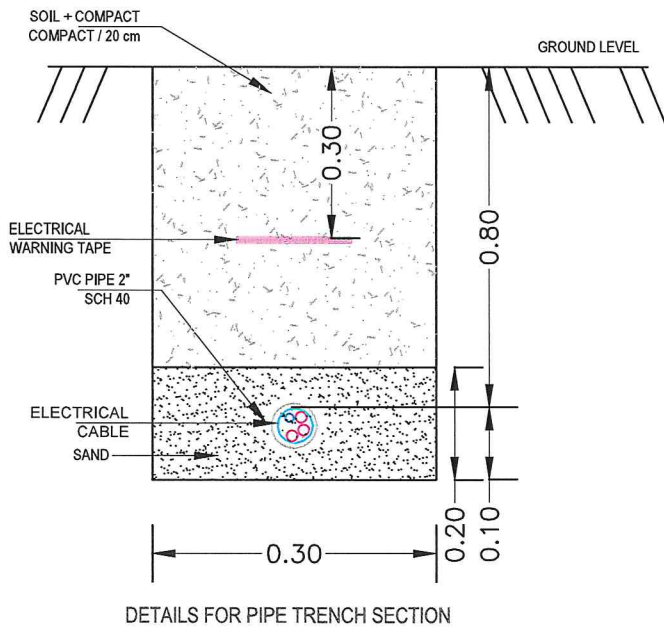
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Designed: Jamalulha Nazari	Signature:
Checked: Hashibullah shalizi	Signature:

Date: 2025/2/13

Status: FINAL DESIGN

Project Code:

SHEET NO.	PAGE NO.
EM-3	



Note
Under the carigeway should
use brids top on the pipes

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 the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:

Hasibullah shalizi

Signature:

Date:

2025/2/13

Status:

FINEL
DESIGN

Project Code

SHEET NO.

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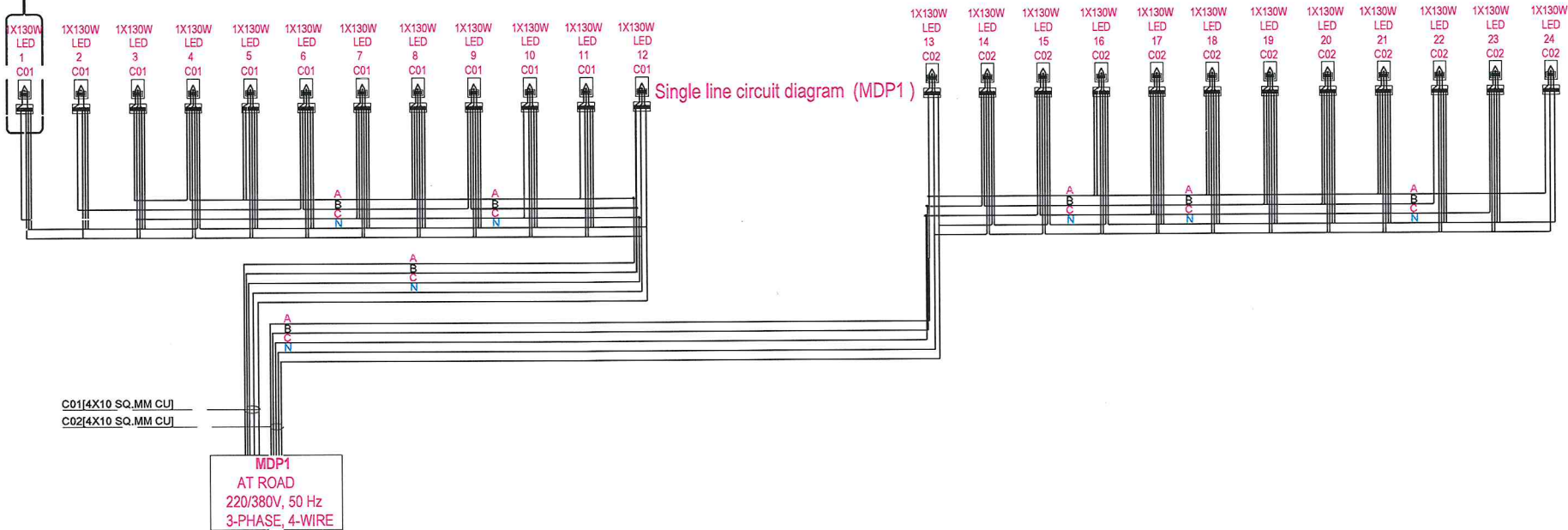
PAGE NO.

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

			LIGHTING POWER PANEL BOARD SCHEDULE													MOUNTING , SURFACE PANEL BOARD LOCATION :-							
380Y / 220 VOLTS, 3 PHASE , 4 WIRE 50Hz PANEL BOARD			MAIN CIRCUIT BREAKER:- 3 Ph-63A																				
WIRE & CONDUIT mm2	GND WIRE	LOAD DESCRIPTION	DEMEANED (VA)			AMP	POLE	CKT	A	B	C	CKT	POLE	AMP	DEMEANED (VA)			LOAD DESCRIPTION	GND WIRE	WIRE & CONDUIT mm2			
			C	B	A										A	B	C						
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
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2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm			
SUB - TOTAL			520	520	520										520	520	520	SUB - TOTAL					
			VA		AMP																		
Total Phase A			1040		4.73																		
Total Phase B			1040		4.73																		
Total Phase C			1040		4.73																		
Total Connected Load			3.12		VA																		
Power Factor=0.8			3.9																				
Demand Factor Load =0.7			2.73		VA																		
20 % Future Load			0.546		VA																		
Total Load			4.095		KVA																		
Total Ampere 3 PH			6.22		AMP																		

FX/CXX CIRCUIT IDENTIFICATION

1X130W LED 1 C01	FIXTURE WATTAGE
	LAMP TYPE
	FIXTURE ARRANGEMENT NUMBER
	CIRCUIT PHASE IDENTIFICATION
	FIXTURE TERMINAL BLOCK
	4 SQ.MM CU CONDUCTORS
	WEATHERPROOF JUNCTION-BOX
	TERMINAL BLOCK
	LIGHTING CIRCUIT CONDUCTOR



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



Date Revision Details/Drawn Chkd. Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulla Nazari

Signature:

Designed: Jamalulla Nazari

Signature:

Checked:

Hasibullah shalizi

Signature:

Date:

2025/2/13

Status:

FINEL
DESIGN

Project Code

SHEET NO.

EW-1

PAGE NO

1. All dimensions are in meters unless otherwise indicated.

[illegible]ISLAMIC EMIRATE OF
AFGHANISTAN

کابل میونسپلٹی
Kabul Municipality

Drawing Title:

Drawn: Jamalullha Nazari	Signature: 
Designed: Jamalullha Nazari	Signature: 
Checked: Hasibullah shalizi	Signature: 

Date: 2025/2/13

Status:	FINEL DESIGN
---------	-----------------

Project Code

SHEET NO.	PAGE NO
EW-2	

PANEL :ROAD			VOLTS : 380Y/220			PHASE / WIRE :			LOCATION :									
MAIN BUS : 200 Amp's			MAIN CB : 200 Amp's			NEUTRAL : 100%			SEE NOTE					FAULT DUTY: 30 kAIC MIN				
LOAD INFORMATION			Watt's			BREAKER RATING / POLES						Watt's			LOAD INFORMATION			
LOAD	NOTE	TYPE	PH-A	PH-B	PH-C	CKT	P	CB	PH	CB	P	CKT	PH-A	PH-B	PH-C	TYPE	NOTE	LOAD
A-SIDE LED street Light			520			1	3	63	A	63	3	2	520					B-SIDE LED street Light
				520		3			B			4		520				
					520	5			C			6			520			
			520			7	63	63	A	63		8	520					
				520		9			B			10		520				
					520	11			C			12			520			
						13			A			14						
						15			B			16						
						17			C			18						
						19			A			20						
						21			B			22						
						23			C			24						
						25			A			26						
						27			B			28						
						29			C			30						
						31			A			32						
						33			B			34						
						35			C			36						
						37			A			38						
						39			B			40						
						41			C			42						
MOUNTING :								A	B	C								
ENCLOSURE :			CONNECTED PHASE (W) :					2080	2080	2080								

- NOTES :
- 1 . Ground Bus
 - 2 . UL-Listed, Nema
 3. Bolt on breakers

380V220/V3, PHASE 50HZ		W	A
TOTAL PHASE (A) =		2080	6.5
TOTAL PHASE (B) =		2080	5.9
TOTAL PHASE (C) =		2080	6.5
TOTAL CONNECTED LOAD		6240	W
DEMAND FACTER		90	%
DEMAND LOAD		5616	W
20% FUTURE		1248	W
TOTAL LOAD		6.864	KW
TOTAL AMPERE		13.8	AMPS

PANEL SCH - ELECTRICAL CALCULATION

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

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 the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:
Hasibullah shalizi

Signature:

Date: 2025/2/13

Status:

FINEL
DESIGN

Project Code

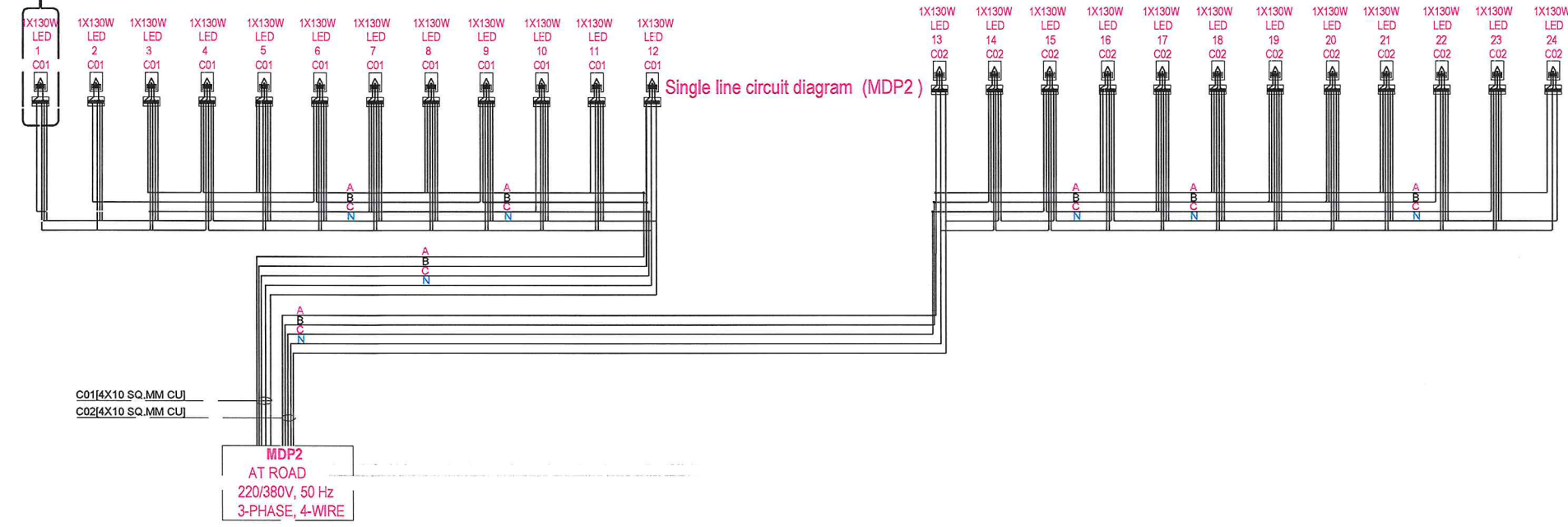
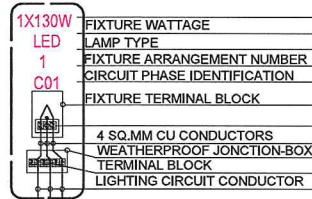
SHEET NO.

EW-3

PAGE NO

			LIGHTING POWER PANEL BOARD SCHEDULE													MOUNTING , SURFACE PANEL BOARD LOCATION :-				
380Y / 220 VOLTS, 3 PHASE , 4 WIRE			MAIN CIRCUIT BREAKER:- 3 Ph-63A																	
50Hz PANEL BOARD																				
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
			C	B	A										A	B	C			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	130			16								16	130			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		130		16								16		130		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			130	16								16			130	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
SUB - TOTAL			520	520	520										390	390	390	SUB - TOTAL		
			VA	AMP																
Total Phase A			910	4.14																
Total Phase B			910	4.14																
Total Phase C			910	4.14																
Total Connected Load			2.73	VA																
Power Factor=0.8			3.4125																	
Demand Factor Load =0.7			2.3888	VA																
20 % Future Load			0.4778	VA																
Total Load			3.5831	KVA																
Total Ampere 3 PH			5.44	AMP																

FIX/CXX CIRCUIT IDENTIFICATION



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

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



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari Signature:

Designed: Jamalulha Nazari Signature:


Checked: Hasibullah shalizi Signature:

Date: 2025/2/13

Status: FINEL DESIGN

Project Code

SHEET NO. EW-4 PAGE NO

FIX/CXX CIRCUIT IDENTIFICATION	
	FIXTURE WATTAGE
	LAMP TYPE
	FIXTURE ARRANGEMENT NUMBER
	CIRCUIT PHASE IDENTIFICATION
	FIXTURE TERMINAL BLOCK
	4 SQ. MM CU CONDUCTORS
	WEATHERPROOF JUNCTION-BOX
	TERMINAL BLOCK
	LIGHTING CIRCUIT CONDUCTOR



Date	Revision Details	Drawn	Chkd.	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulla Nazari

Signature:

Designed:Jamalullha Nazari

Signature: _____

Checked:
Hasibullah shalizi

Signature: _____

Date: 2025/2/13

Status: FINEL
DESIGN

Project Code

SHEET NO.

PAGE NO

EW-5

PANEL :ROAD			VOLTS : 380Y/220			PHASE / WIRE :			LOCATION :									
MAIN BUS : 200 Amp's			MAIN CB : 200 Amp's			NEUTRAL : 100%			SEE NOTE					FAULT DUTY: 30 kAIC MIN				
LOAD INFORMATION			Watt's			BREAKER RATING / POLES					Watt's			LOAD INFORMATION				
LOAD	NOTE	TYPE	PH-A	PH-B	PH-C	OKT	P	CB	PH	CB	P	OKT	PH-A	PH-B	PH-C	TYPE	NOTE	LOAD
A-SIDE LED street Light			520			1			A			2	390					B-SIDE LED street Light
				520		3	3	63	B	63	3	4		390				
					520	5			C			6			390			
			520			7			A			8	390					
				520		9		63	B	63		10		390				
					520	11			C			12			390			
						13			A			14						
						15			B			16						
						17			C			18						
						19			A			20						
						21			B			22						
						23			C			24						
						25			A			26						
						27			B			28						
						29			C			30						
						31			A			32						
						33			B			34						
						35			C			36						
						37			A			38						
						39			B			40						
						41			C			42						
MOUNTING :								A	B	C								
ENCLOSURE :			CONNECTED PHASE (W) :					1820	1820	1820								

NOTES :

- 1 . Ground Bus
- 2 . UL-Listed, Nema
3. Bolt on breakers

380V220/V3, PHASE 50HZ	W	A
TOTAL PHASE (A) =	1820	8.2
TOTAL PHASE (B) =	1820	8.2
TOTAL PHASE (C) =	1820	8.2
TOTAL CONNECTED LOAD	5460	W
DEMAND FACTER	90	%
DEMAND LOAD	4914	W
20% FUTURE	982.8	W
TOTAL LOAD	5.9	KW
TOTAL AMPERE	11.9	AMPS

PANEL SCH - ELECTRICAL CALCULATION

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

B1# ROAD A SIDE
Cable Size 2+(3x10 mm²)
Type (XLPE)

MAIN CABLE SELECT BY CONTRACTORS AN DABS
ACCORDING VOLTAGE LOSSES

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



Date	Revision	Details	Drawn	Chkd.	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn:Jamalulha Nazari

Signature:

Designed:Jamalulha Nazari

Signature:

Checked:
Hasibullah shalizi

Signature:

Date: 2025/2/13

Status:

FINEL
DESIGN

Project Code

SHEET NO.

EW-6

PAGE NO

NOTE:



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked:

Hasibullah shalizi

Signature:

Date: 2025/2/13

Status:

FINEL
DESIGN

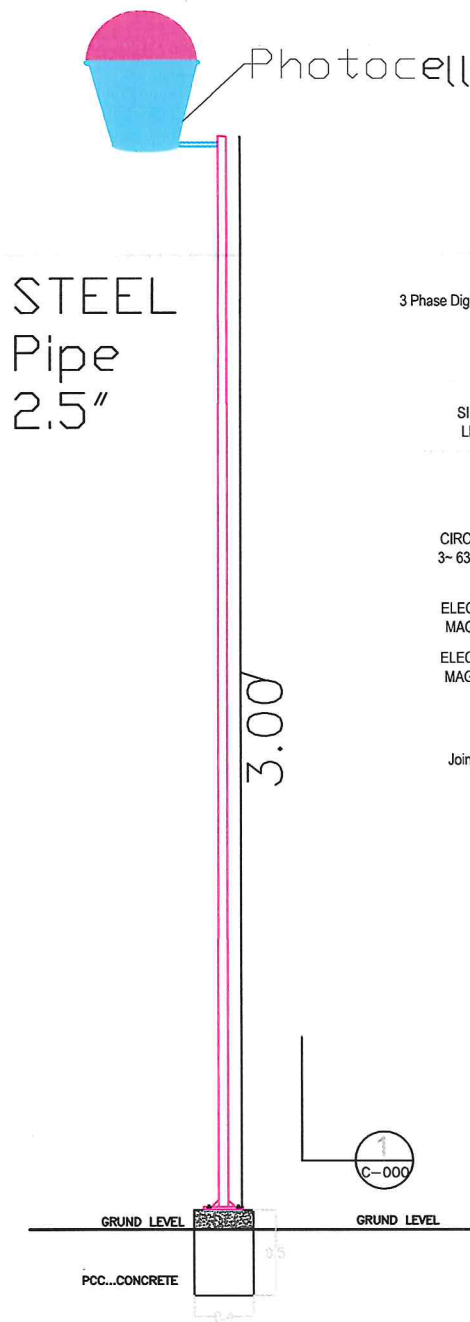
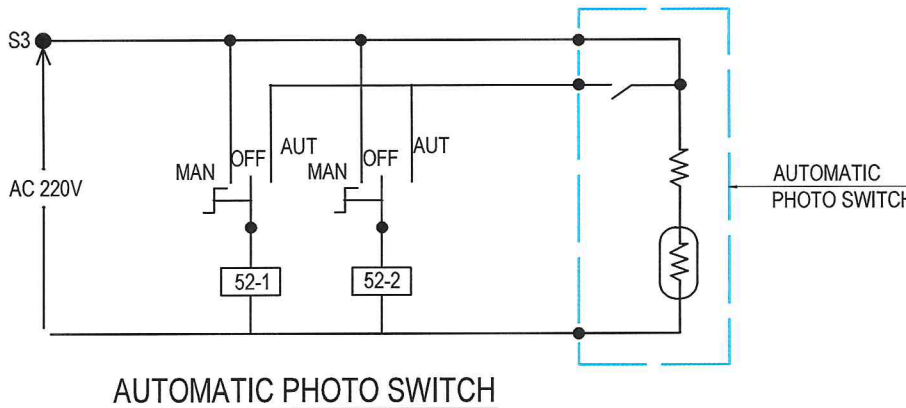
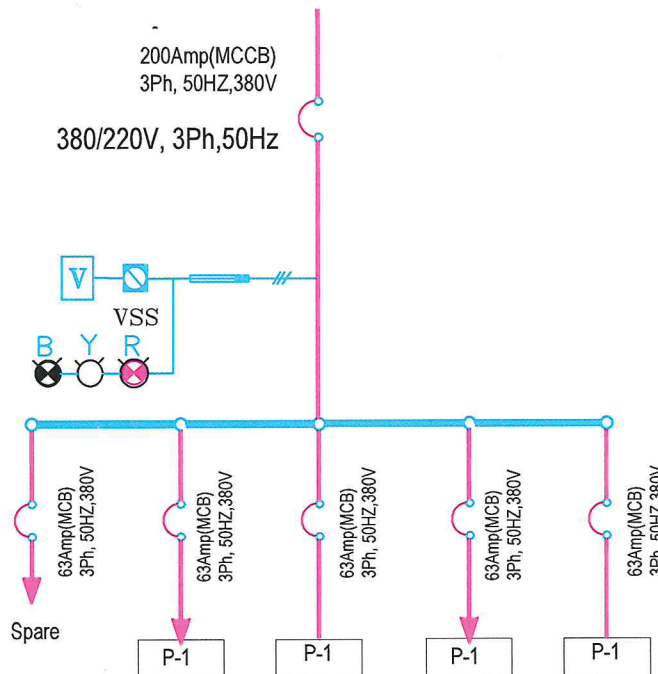
Project Code

SHEET NO.

EC

PAGE NO

POWER CALCULATION SCHEDULE PLAN



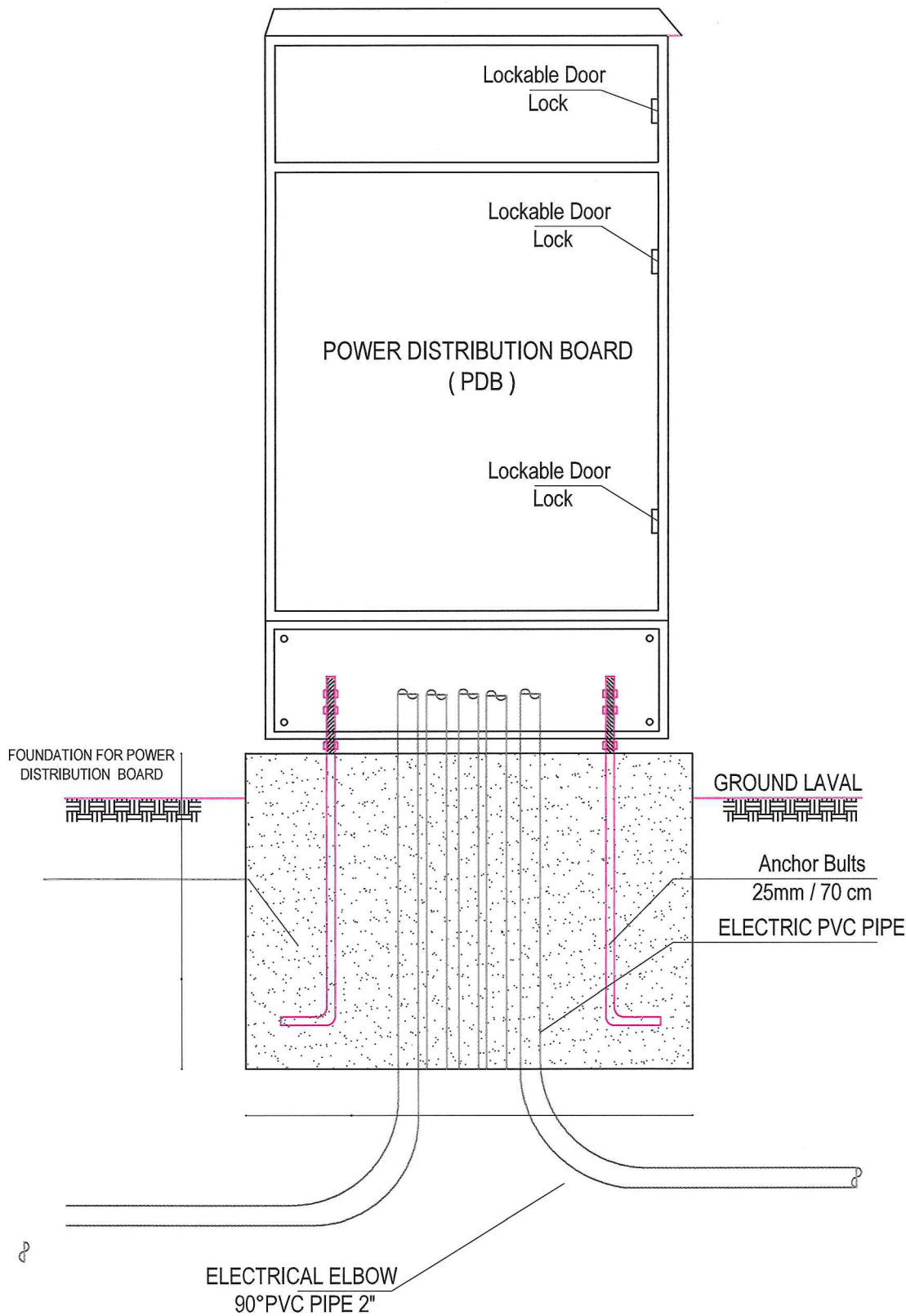
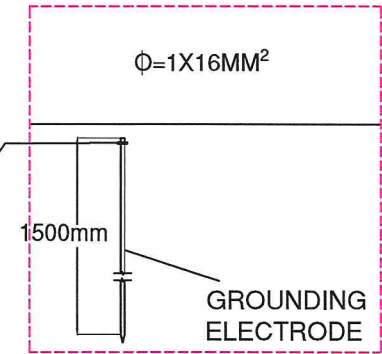
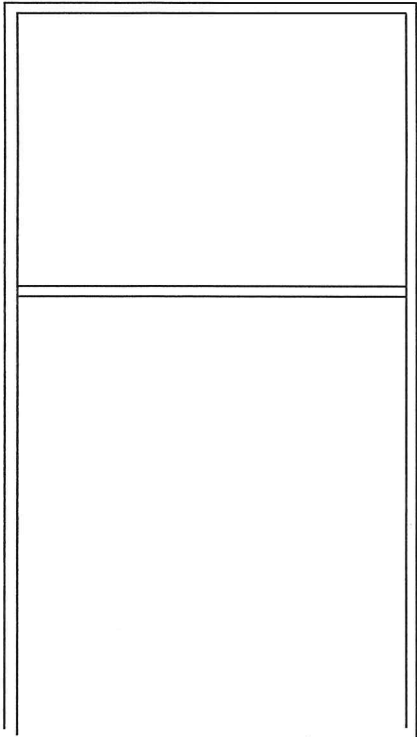
POWER DISTRIBUTION BOARD
FRONT VIEW

POWER DISTRIBUTION BOARD
SIDE VIEW

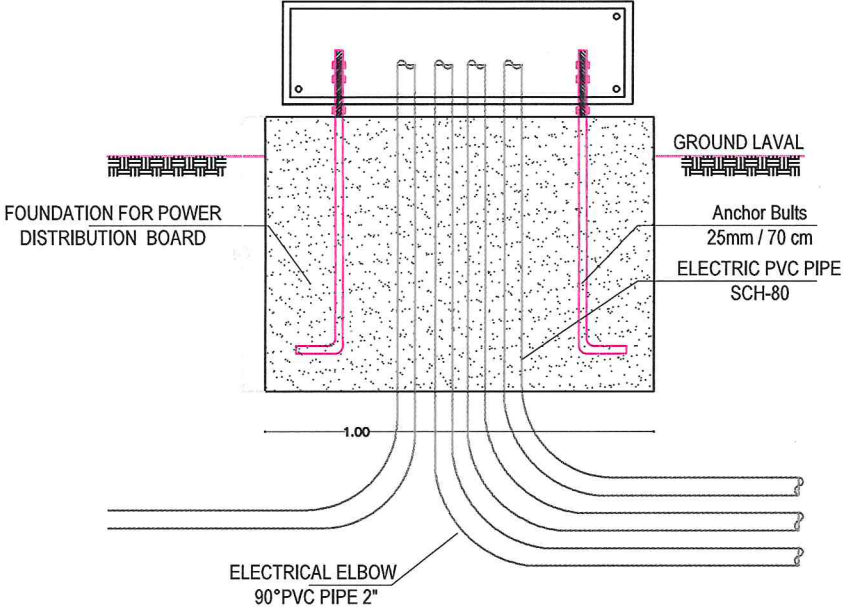
COLORS COD

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

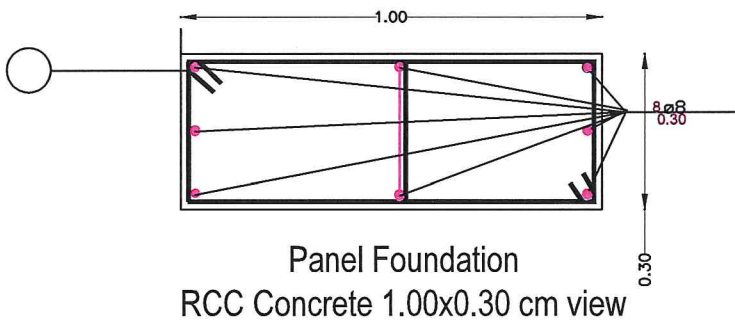
Angle = (40 X 40 X3)MM



ELECTRICAL PANEL FRONT ELEVATION



ELECTRICAL PANEL FRONT ELEVATION



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



Date	Revision	Details	Drawn	Chkd	Appr
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamatulloha Nazari

Designed: Jamatulloha Nazari

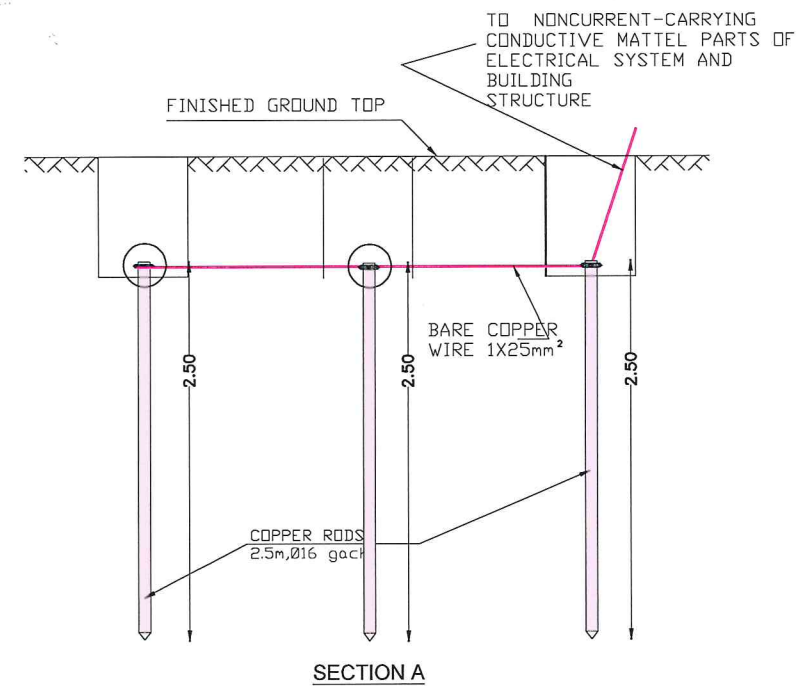
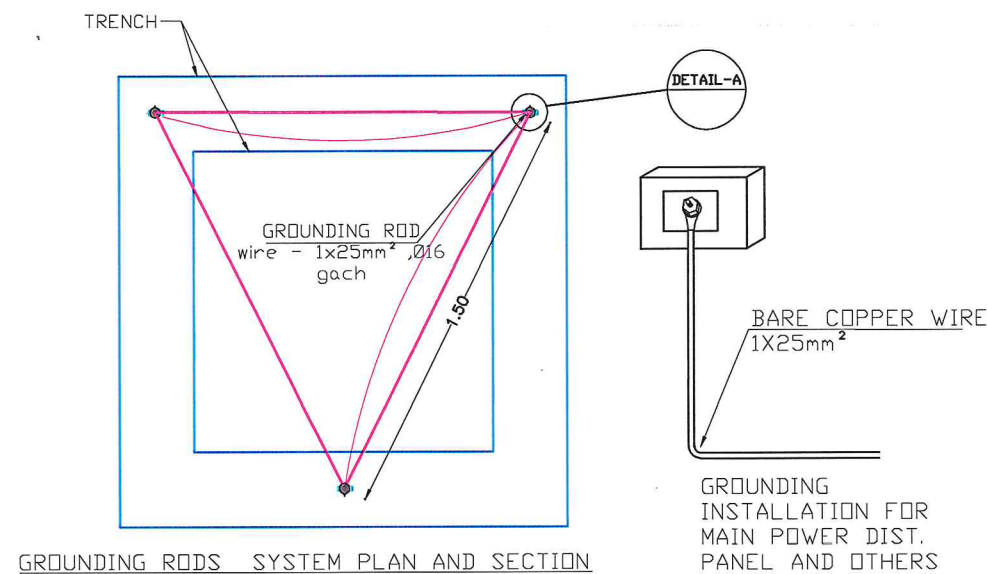
Checked: Hasibullah Shalizi

Date: 2025/2/13

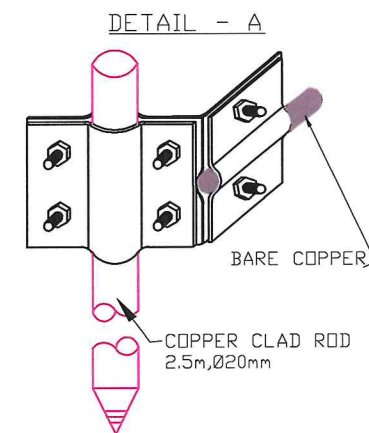
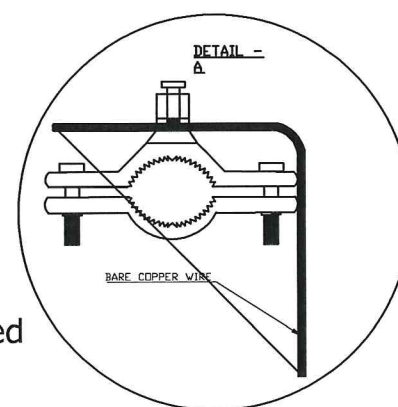
Status: FINEL DESIGN

Project Code

SHEET NO. EC PAGE NO.



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:



Date Revision Details Drawn Chkd. Appr.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Construction of the road from the Alaudin intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

Drawn: Jamolulla Nazari

Signature:

Designed: Jamolulla Nazari

Signature:

Checked: Hasibullah shalizi

Signature:

Date: 2025/2/13

Status: FINEL DESIGN

Project Code

SHEET NO.

EG

PAGE NO

Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing Copper conductor will limit the voltage drop to 1.02% or less when supplying 2.4amps for 1640.2feet on a 380 volt system.

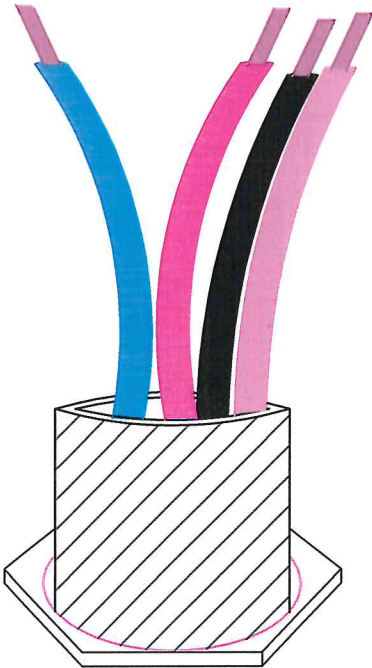
For Engineering Information Only:

7.2 Amps Rated ampacity of selected conductor in selected length.

1.9 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

3.88 Actual voltage drop loss at 1.02% for the circuit



Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing Copper conductor will limit the voltage drop to 1.02% or less when supplying 2.4amps for 1640.2feet on a 380 volt system.

For Engineering Information Only:


7.2 Amps Rated ampacity of selected conductor in selected length.

1.9 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

3.88 Actual voltage drop loss at 1.02% for the circuit


NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:




KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction of the road from the Alaudin
intersection to Chahar Dehi Road.

Drawing Title:

Street Lighting Details

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

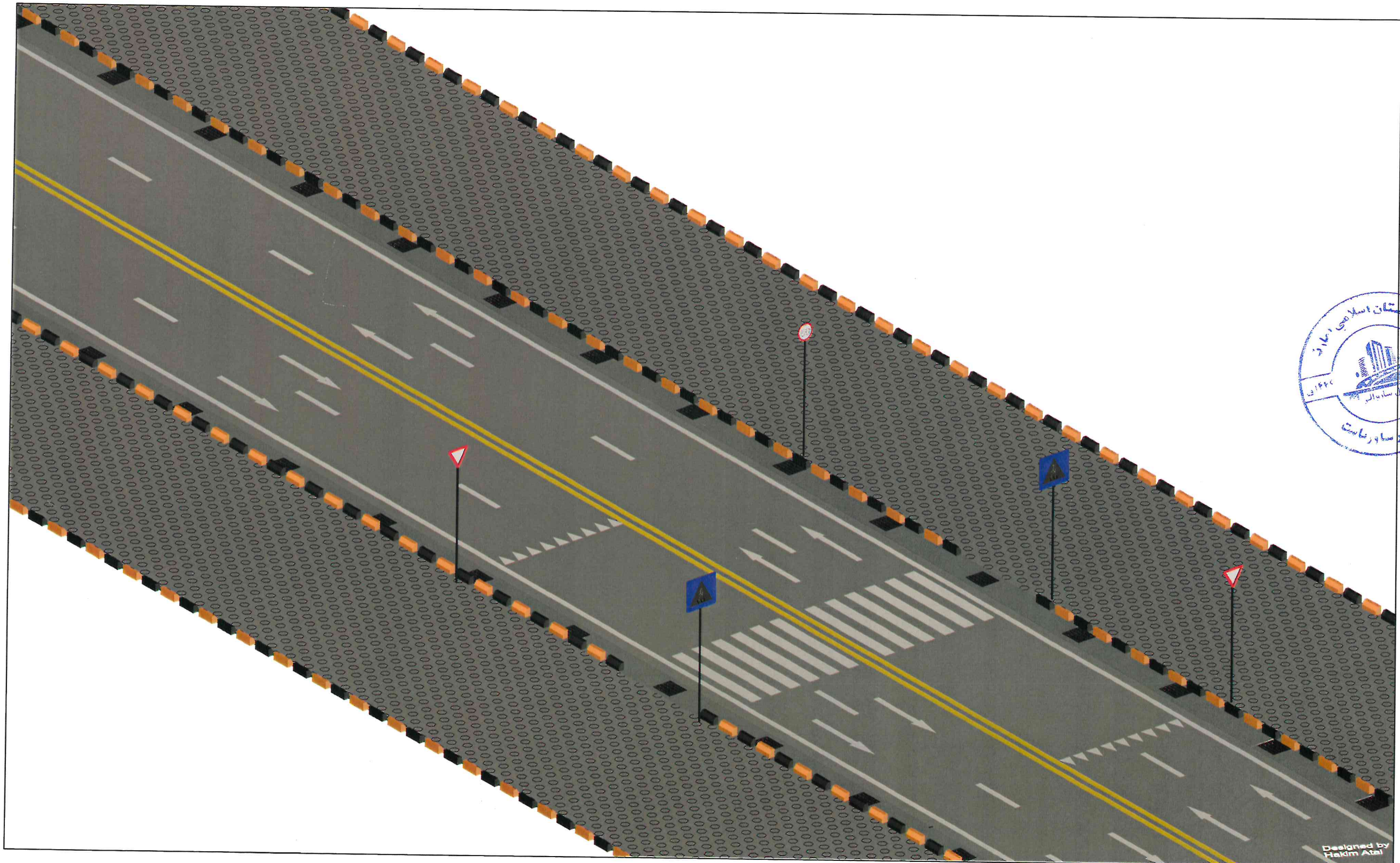
Date: 2025/2/13

Status: FINEL
DESIGN

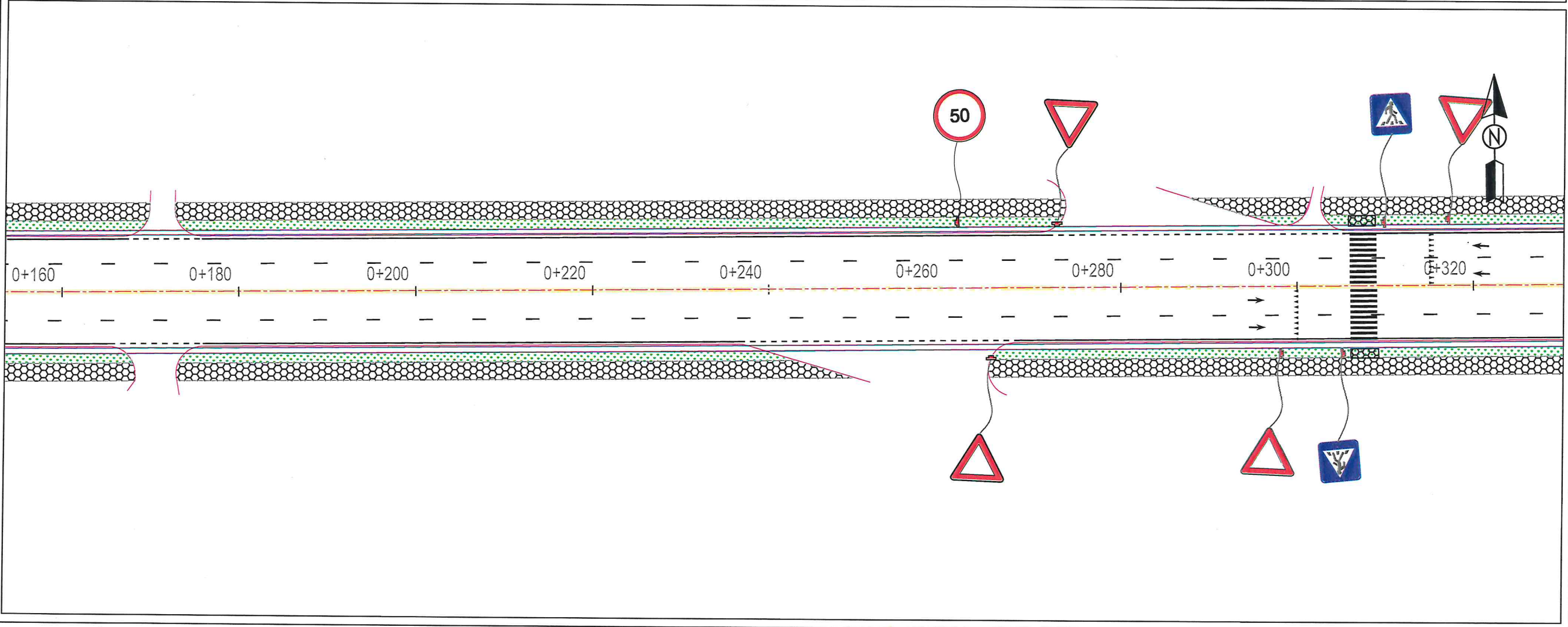
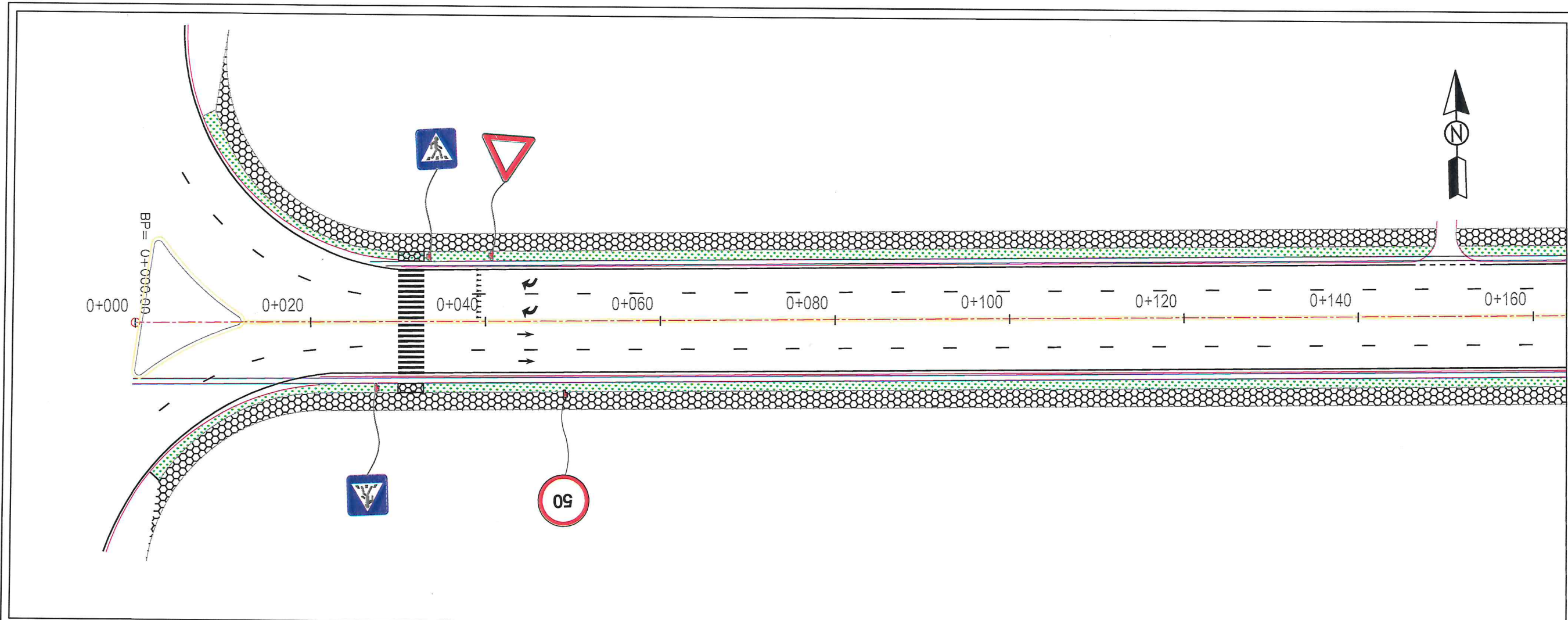
Project Code

SHEET NO. EVL	PAGE NO
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ROAD MARKING & SIGNAGE SECTION





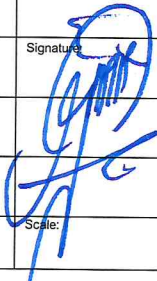
Designed by
Hakim Atal

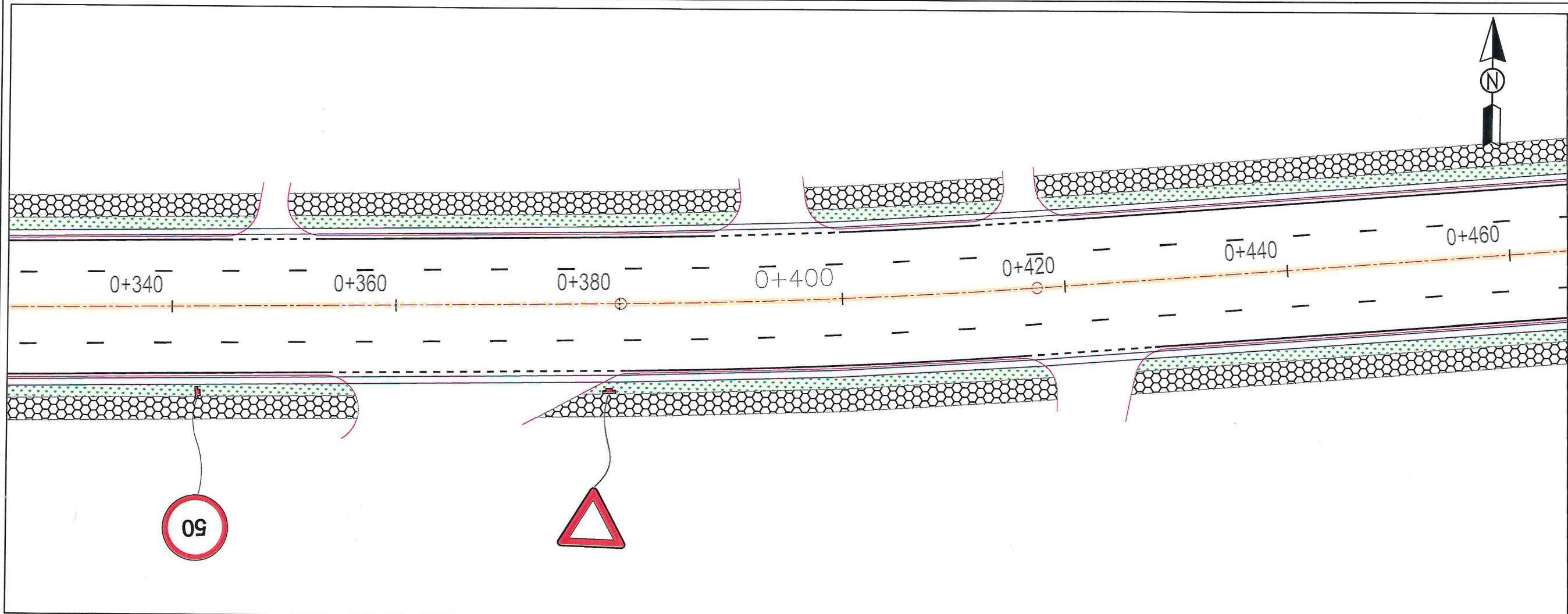


NOTE:
- All dimensions are in meter unless mentioned.

- LEGEND:
- Side ditch line.
 - Center line.
 - Solid line white.
 - Solid line Yellow.
 - Broken line.
 - Dotted line.
 - Curb stone.
 - 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:					
Alauddin to Charqala Road Project					
Drawing Title:					
Road Marking Section					
Drawn/Designed:		Signature: 			
M. Ishaq Rajae					
Checked:		Signature:			
Shafullah Stoman					
Checked:		Signature:			
Shamsullah Najafi					
Date:		Scale:			
1446/10/7					
Status:					
FINAL DESIGN					
Project Code					
Drawing Number			Revision		
01			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.

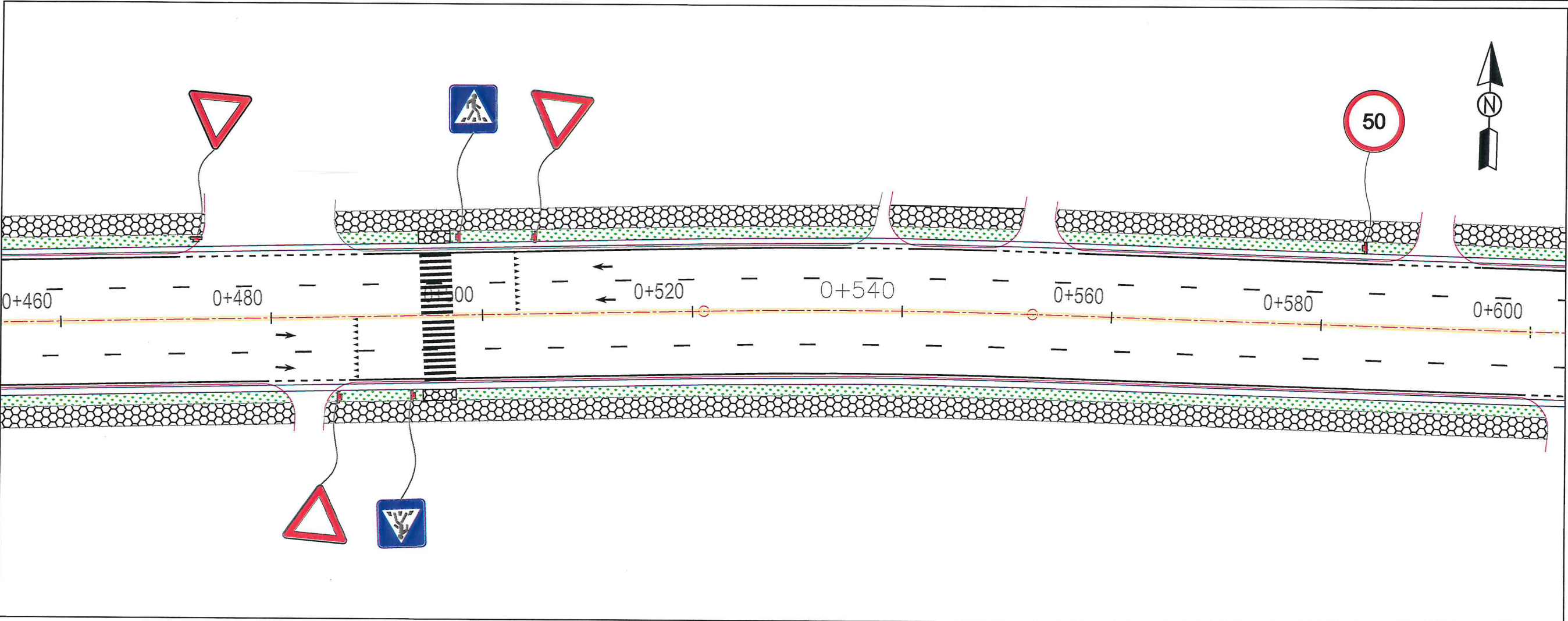
Curb stone.

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:

Alauddin to Charqala Road Project

Drawing Title:

Road Marking Section

Drawn/Designed: Signature:

M.Ishaq Rajae

Checked: Signature:

Shafullah Stoman

Checked: Signature:

Shamsullah Najafi

Date:

1446/10/7

Status:

FINAL DESIGN

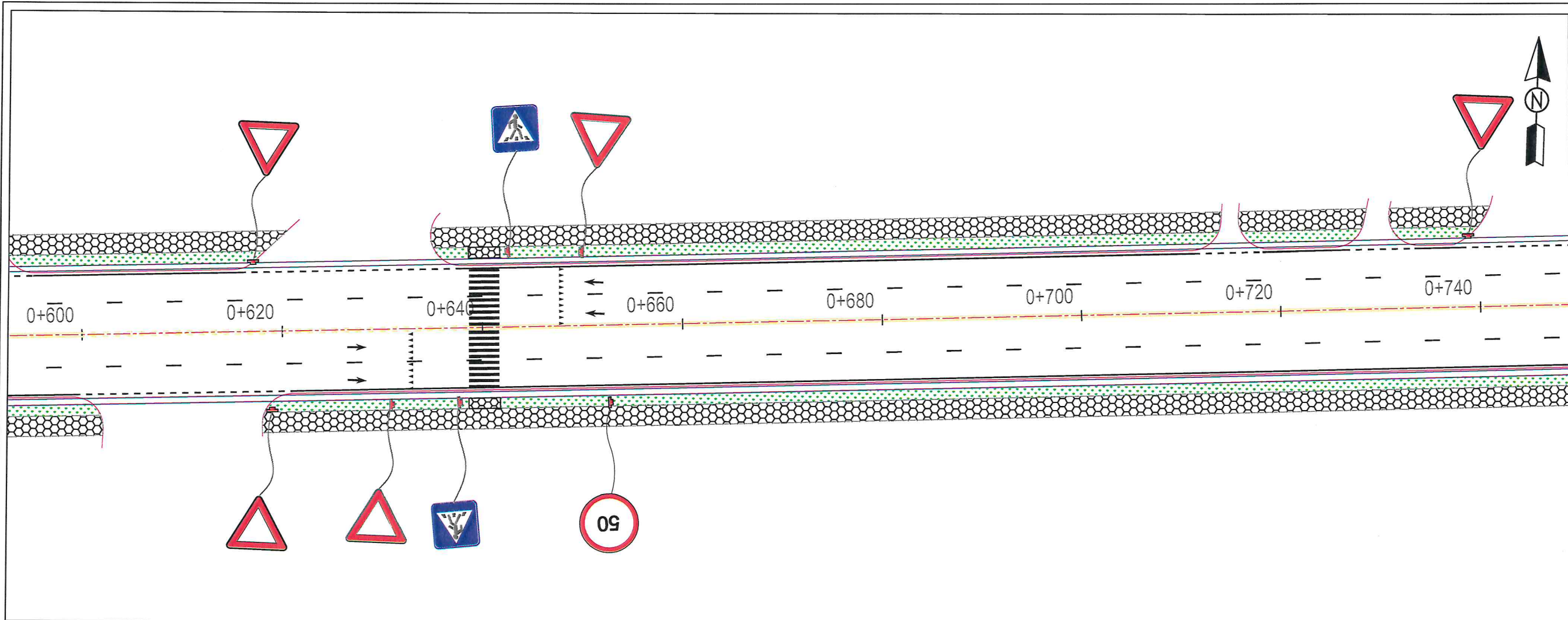
Project Code

Drawing Number

02

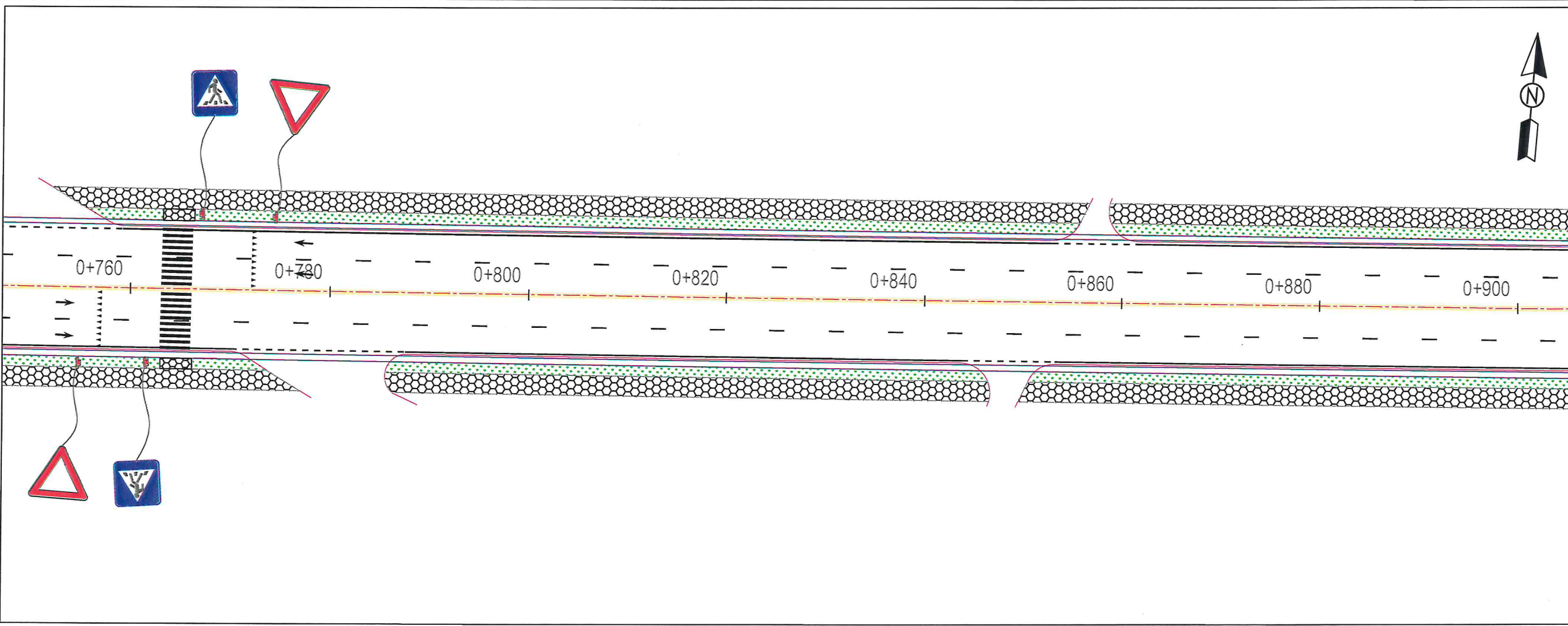
Revision

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.
 - Curb stone.
 - 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:

Alauddin to Charqala Road Project

Drawing Title:

Road Marking Section

Drawn/Designed: M.Ishaq Rajae

Checked: Shafullah Stoman

Checked: Shamsullah Najafi

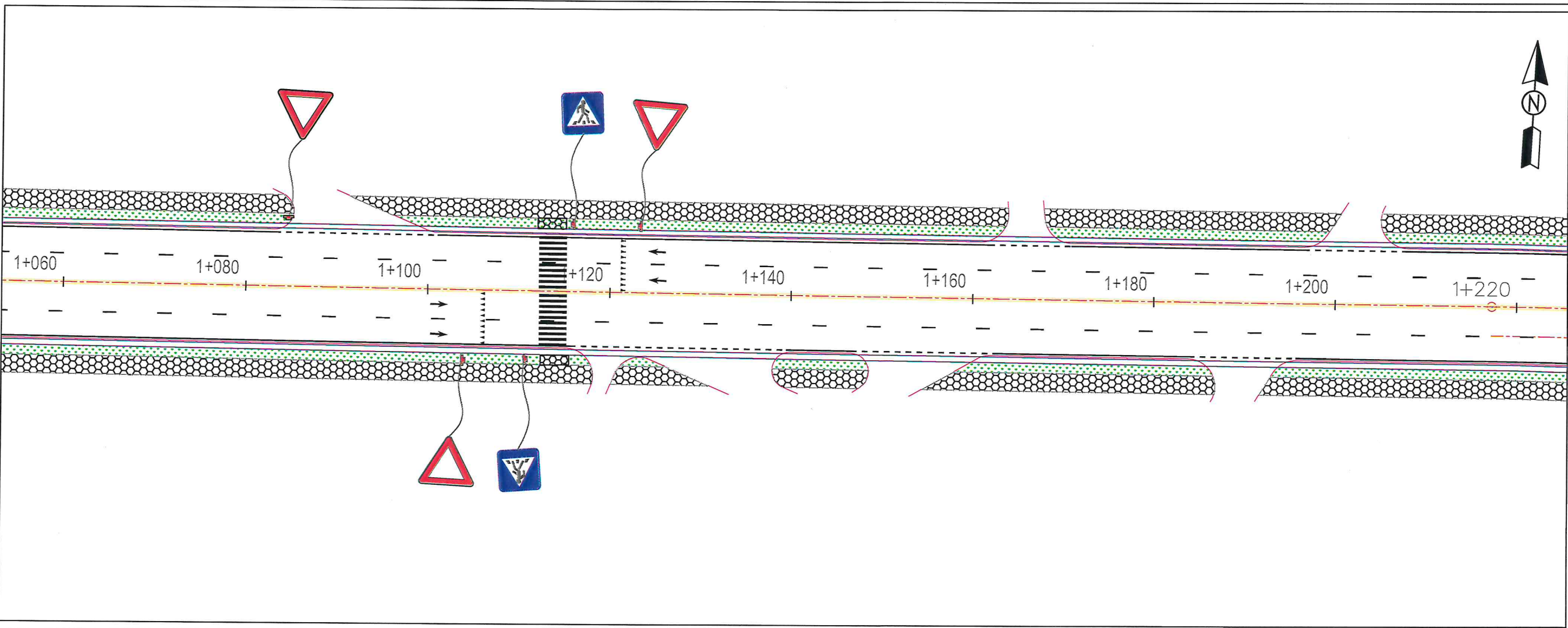
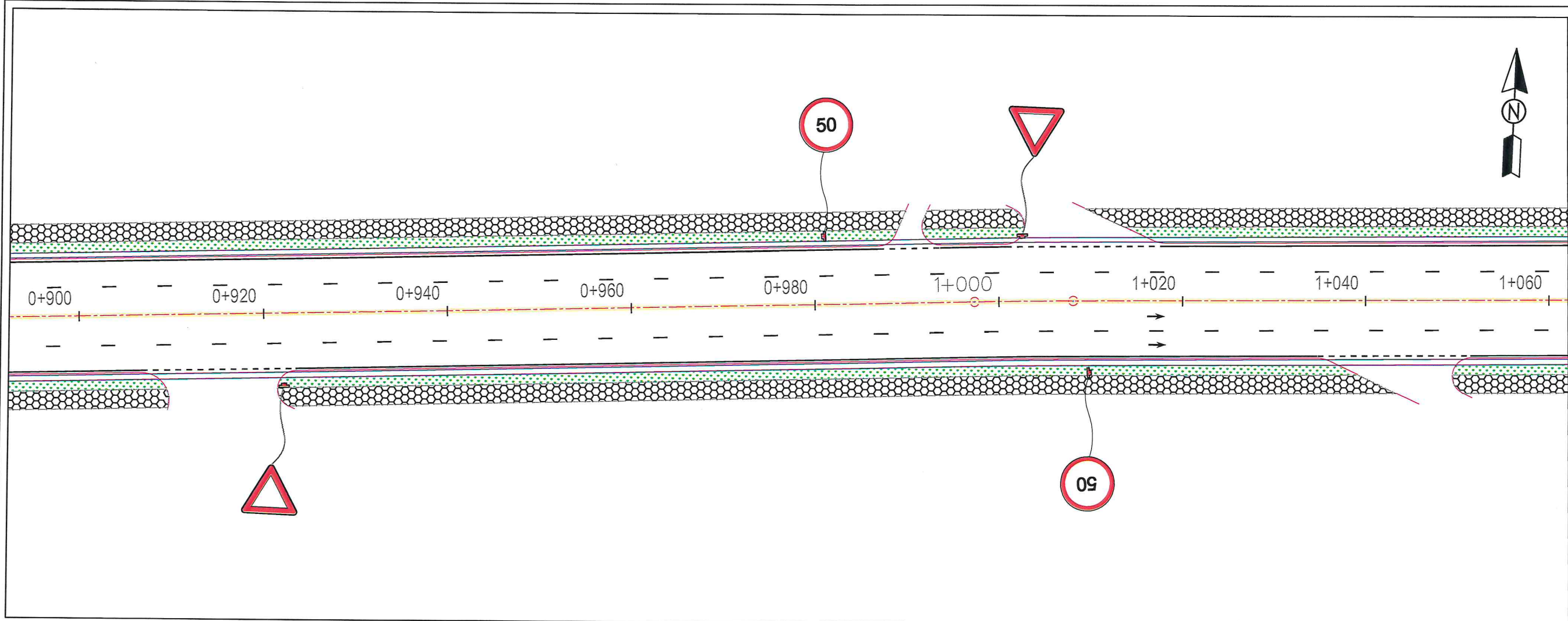
Date: 1446/10/7

Status: FINAL DESIGN

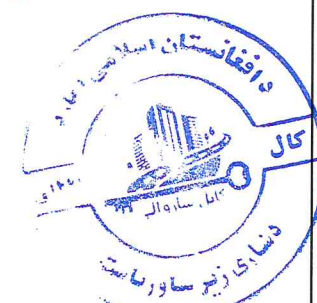
Project Code

Drawing Number 03

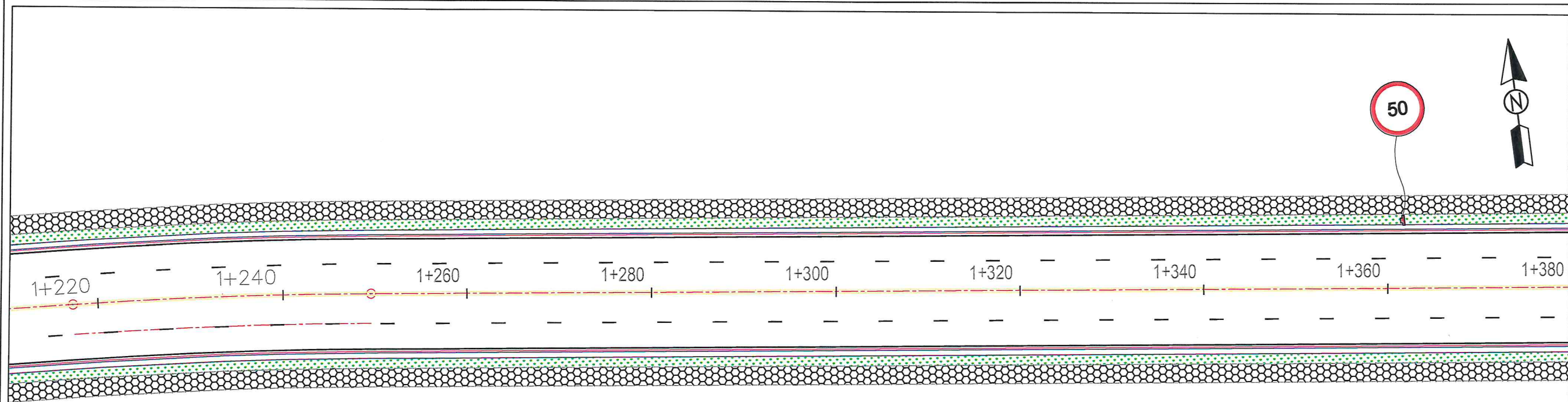
Revision 01



- NOTE:
- All dimensions are in meter unless mentioned.
- LEGEND:
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 - 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:					
Alauddin to Charqala Road Project					
Drawing Title:					
Road Marking Section					
Drawn/Designed:			Signature:		
M.Ishaq Rajae					
Checked:			Signature:		
Shafiuallah Stoman					
Checked:			Signature:		
Shamsullah Najafi					
Date:			Scale:		
1446/10/7					
Status:					
FINAL DESIGN					
Project Code					
Drawing Number			Revision		
04			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.

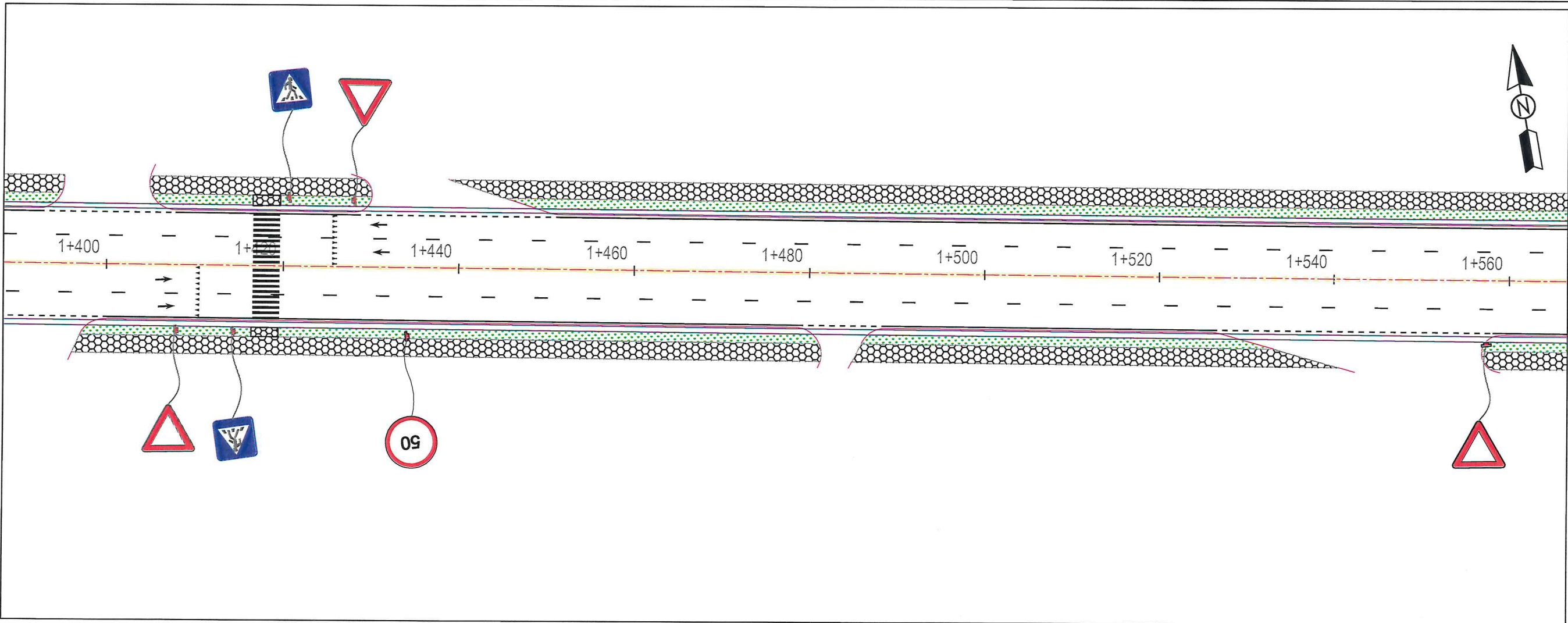
Curb stone.

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:

Alauddin to Charqala Road Project

Drawing Title:

Road Marking Section

Drawn/Designed: M.Ishaq Rajae

Checked: Shafiullah Stoman

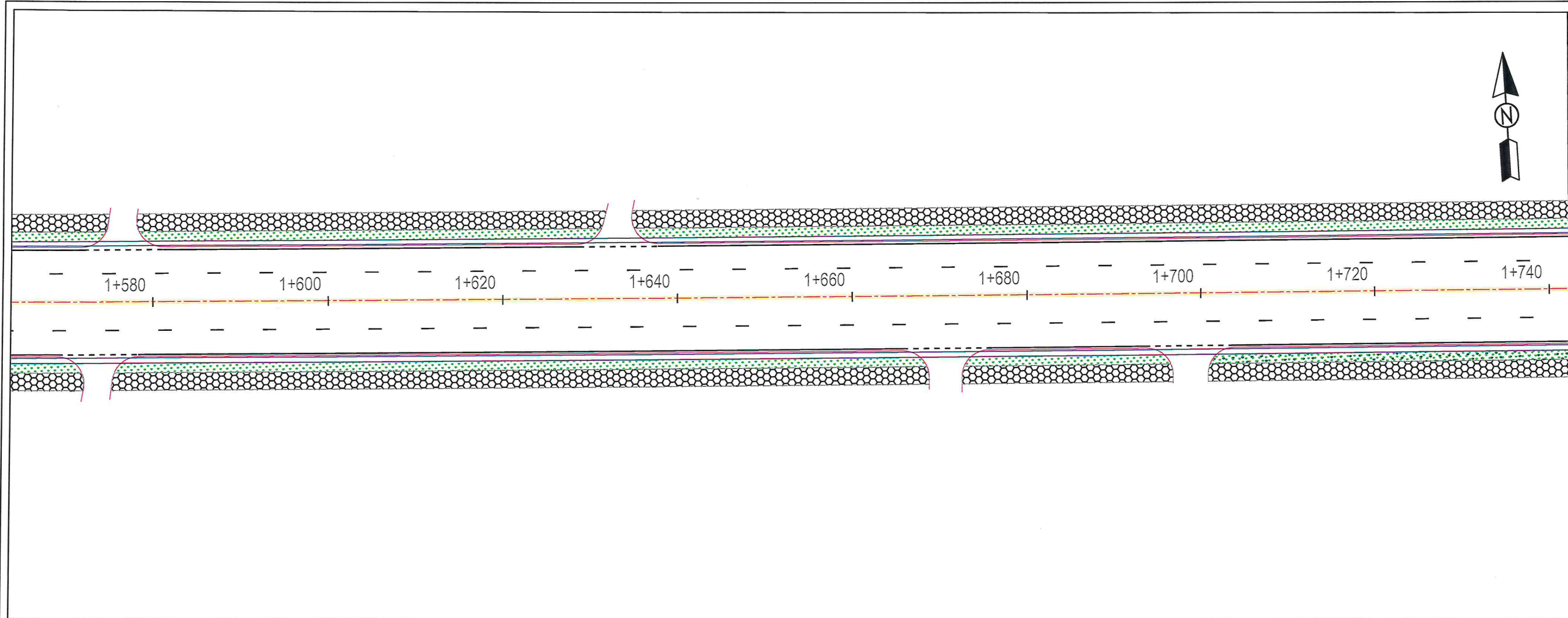
Checked: Shamsullah Najafi

Date: 1446/10/7

Status: FINAL DESIGN

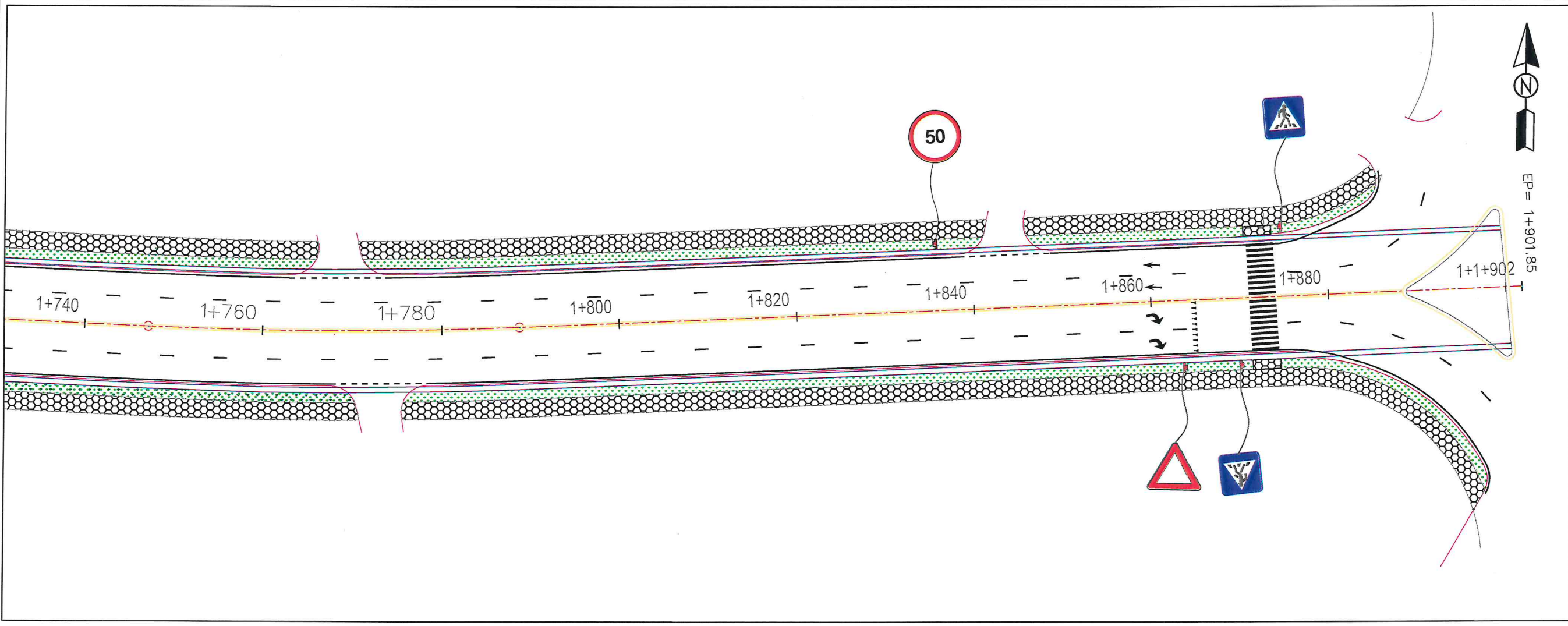
Project Code






Drawing Number 05 Revision 01



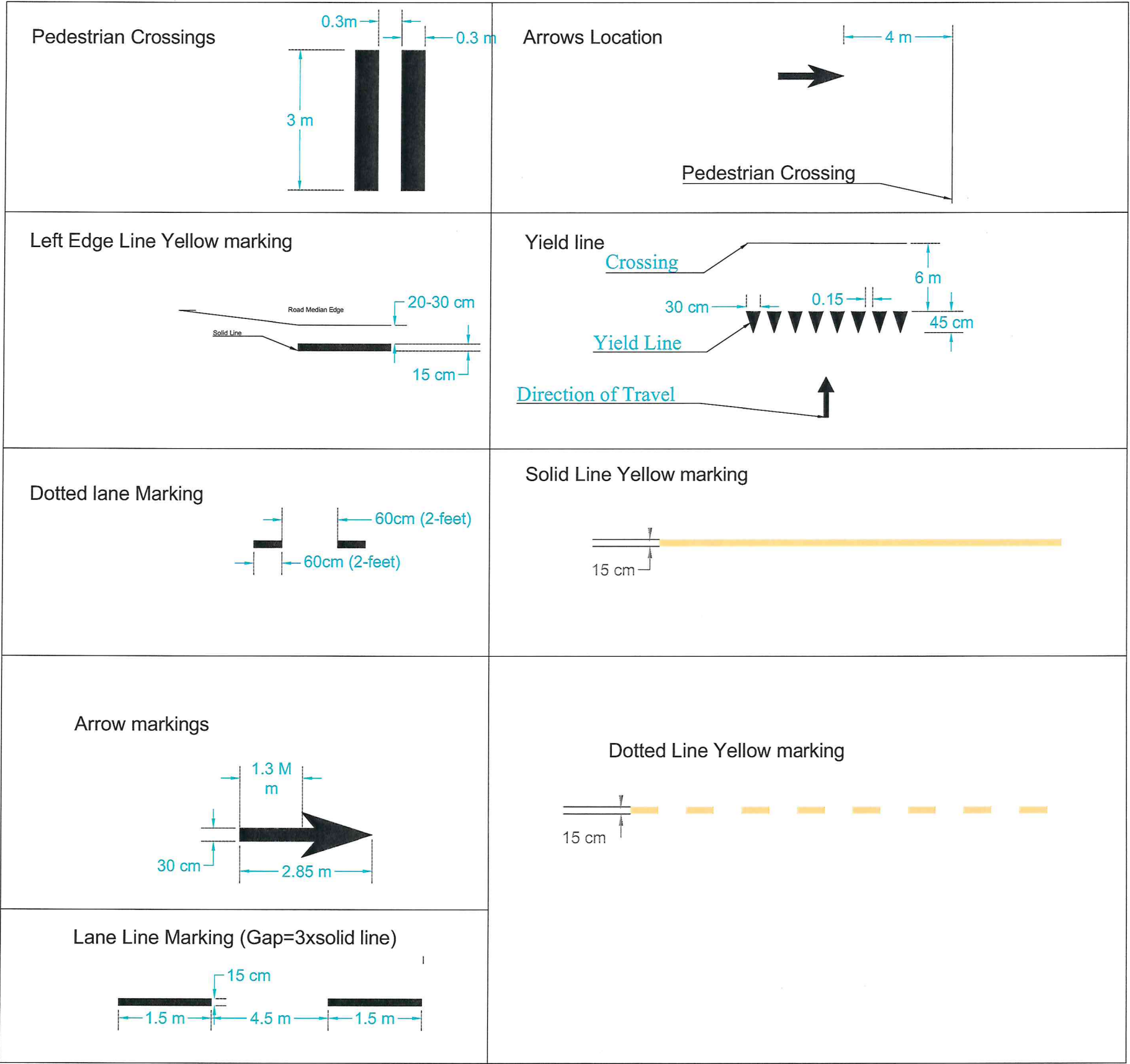
NOTE:
- All dimensions are in meter unless mentioned.

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Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC IMARAT OF AFGHANISTAN					
			KABUL MUNICIPALITY		
Design Consultant:					
Urban Infrastructures Directorate					
Project Name:					
Alauddin to Charqala Road Project					
Drawing Title:					
Road Marking Section					
Drawn/Designed:			Signature:		
M.Ishaq Rajae					
Checked:			Signature:		
Shafullah Stoman					
Checked:			Signature:		
Shamsullah Najafi					
Date:			Scale:		
1446/10/7					
Status:					
FINAL DESIGN					
Project Code					
Drawing Number			Revision		
06			01		

TYPICAL DETAIL OF MARKINGS

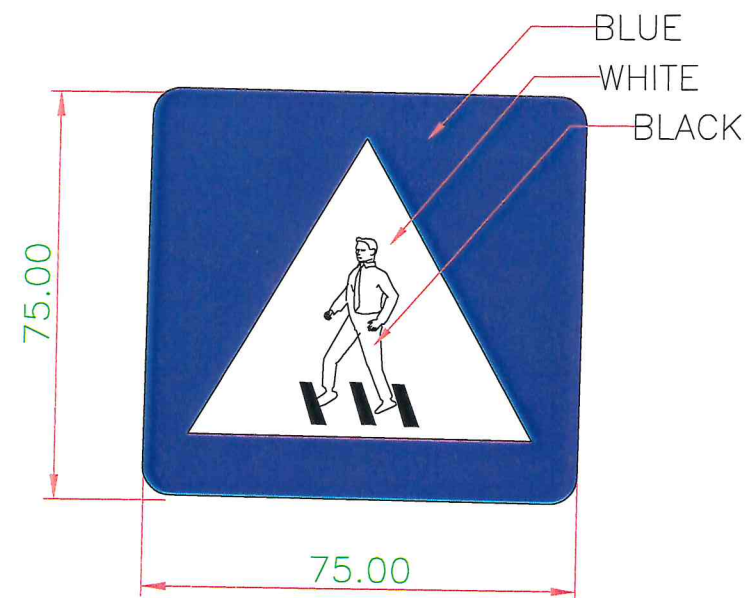


NOTE:
- All dimensions are in meter unless mentioned.

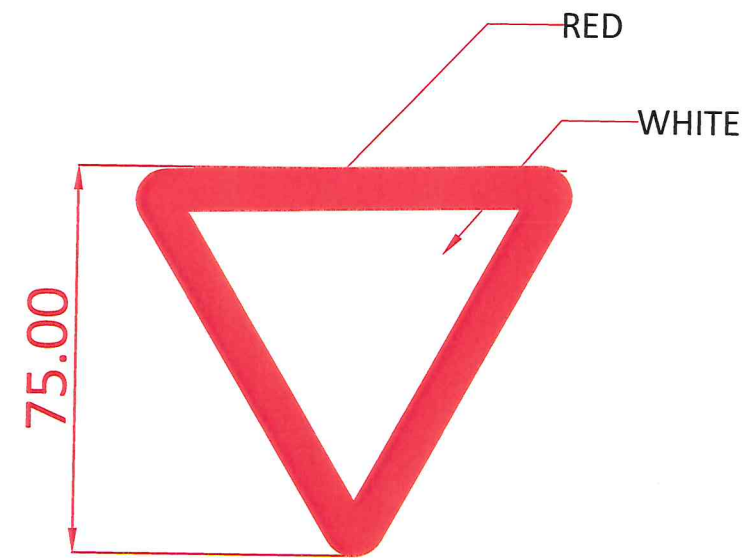
- LEGEND:
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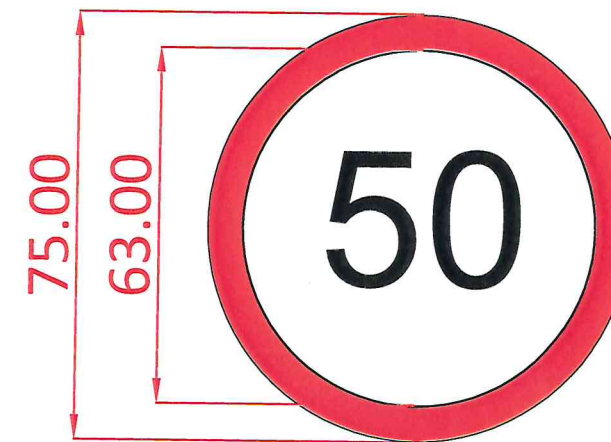
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC IMARAT OF AFGHANISTAN					
			KABUL MUNICIPALITY		
Design Consultant:					
Urban Infrastructures Directorate					
Project Name:					
Alauddin to Charqala Road Project					
Drawing Title:					
Road Marking Details					
Drawn/Designed:		Signature: 			
M. Ishaq Rajae		Signature:			
Checked:		Signature: 			
Shafiullah Stoman		Signature:			
Checked:		Signature:			
Shamsullah Najafi		Signature:			
Date:		Scale:			
1445/10/7					
Status:		FINAL DESIGN			
Project Code					
Drawing Number			Revision		
07			01		



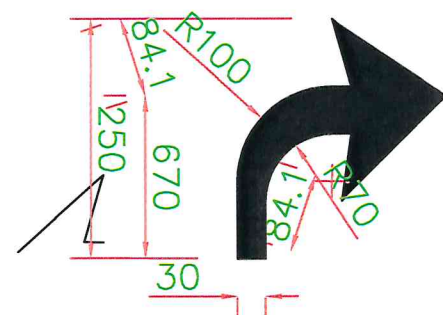
PEDESTRIAN CROSSING SIGN



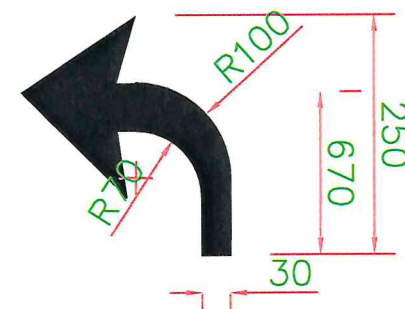
YIELD SIGN



SPEED LIMIT SIGN



ARROW MARKING FOR RIGHT TURN LANE (WHITE)



ARROW MARKING FOR LEFT TURN LANE (WHITE)



All of installed curb stone should be painted

NOTE:
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Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC IMARAT OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

Urban Infrastructures Directorate

Project Name:

Alauddin to Charqala Road Project

Drawing Title:

Traffic Sign Details

Drawn/Designed:	Signature:
M. Ishaq Rajae	
Checked:	Signature:
Shafiuallah Stoman	
Checked:	Signature:
Shamsullah Najafi	

Date:

1446/10/7

Status:

FINAL DESIGN

Project Code

Drawing Number

08

Revision

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.

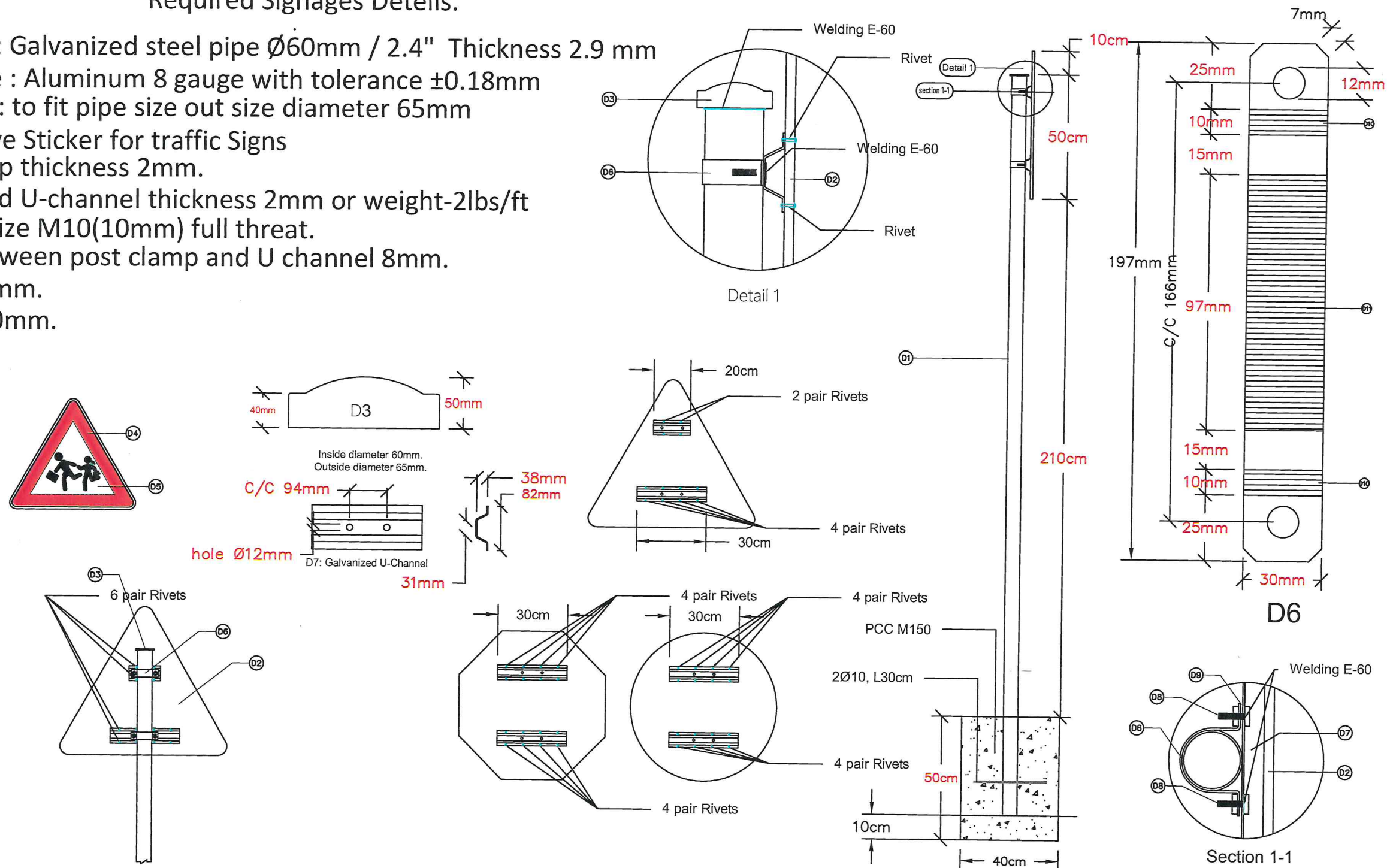
D7: Galvanized U-channel thickness 2mm or weight-2lbs/ft

D8: Nut bolt size M10(10mm) full thread.

D9: Space between post clamp and U channel 8mm.

D10: Fillet R5mm.

D11: Fillet R30mm.



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Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC IMARAT OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

Urban Infrastructures Directorate

Project Name:

Alaaddin to Charqala Road Project

Drawing Title:

Traffic Sign Details

Drawn/Designed: M. Ishaq Rajae

Checked: Shafullah Stoman

Checked: Shamsullah Najafi

Date: 1445/10/7

Status: FINAL DESIGN

Project Code

Drawing Number 09

Revision 01