



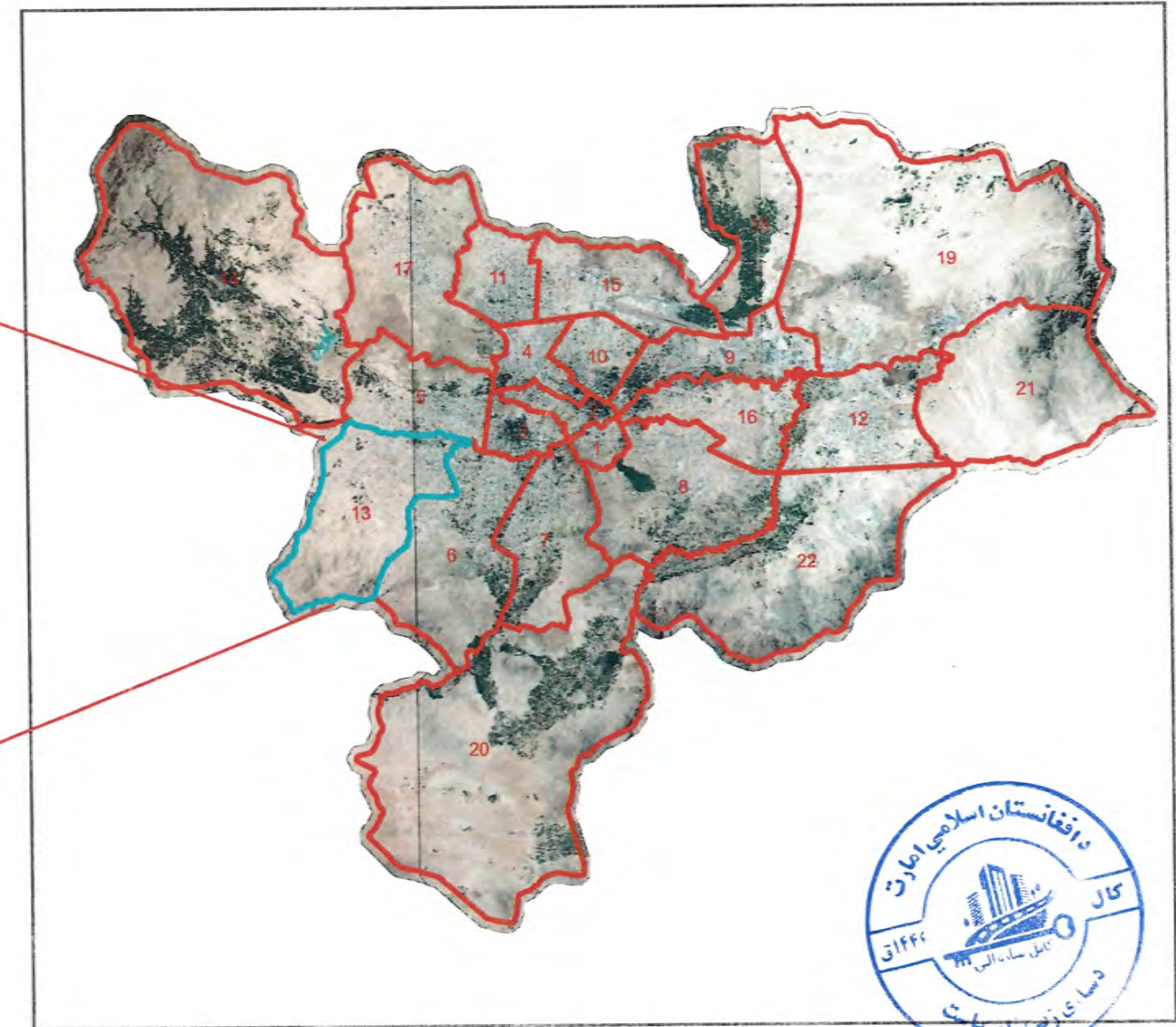
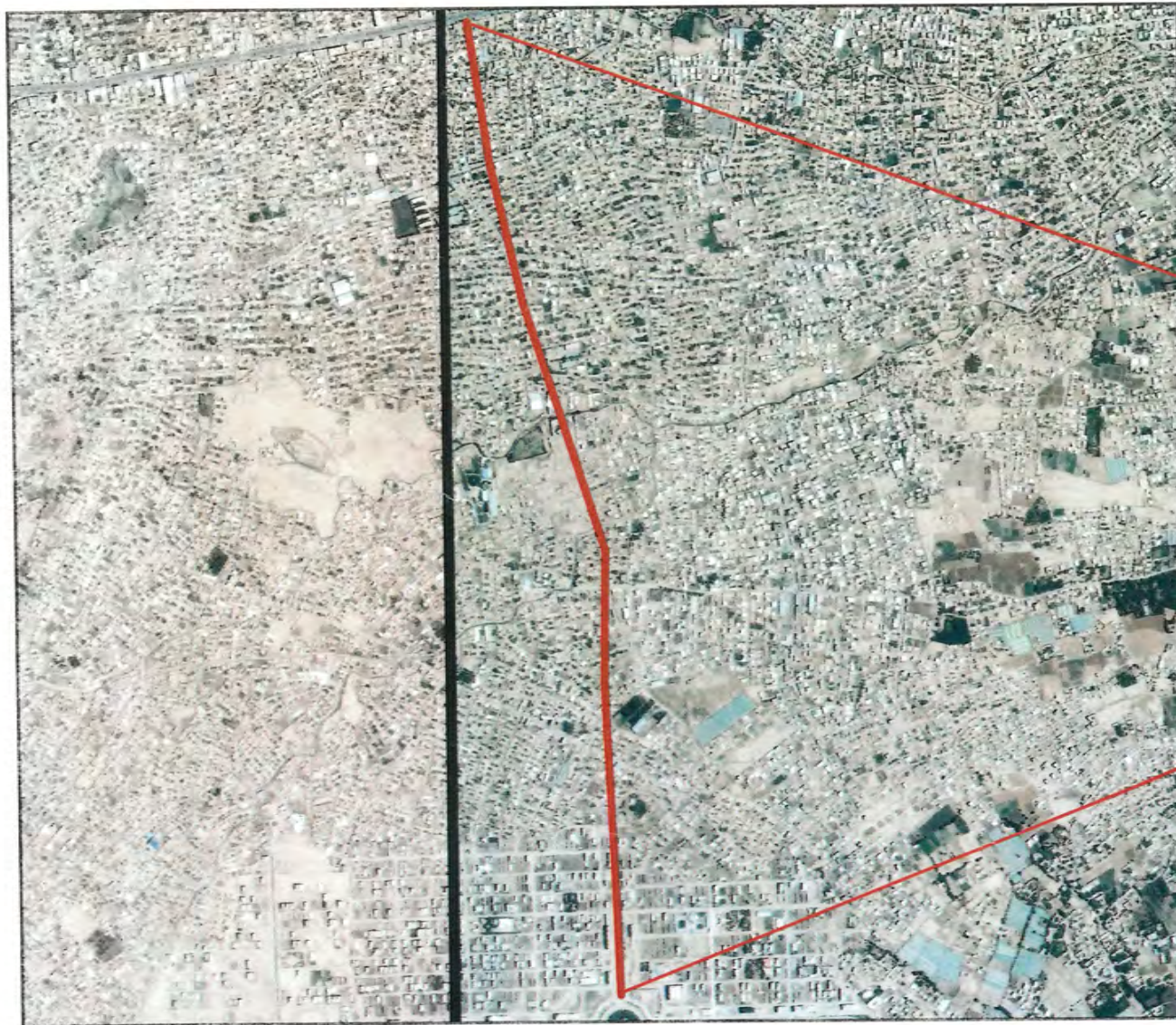
KABUL MUNICIPALITY
INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT



The road from Nakhas Road Connecting to Omid-e-Sabz Township Square

ساختمان ادامه سرک نخاس و اتصال آن به چوک شهرک امید سبز

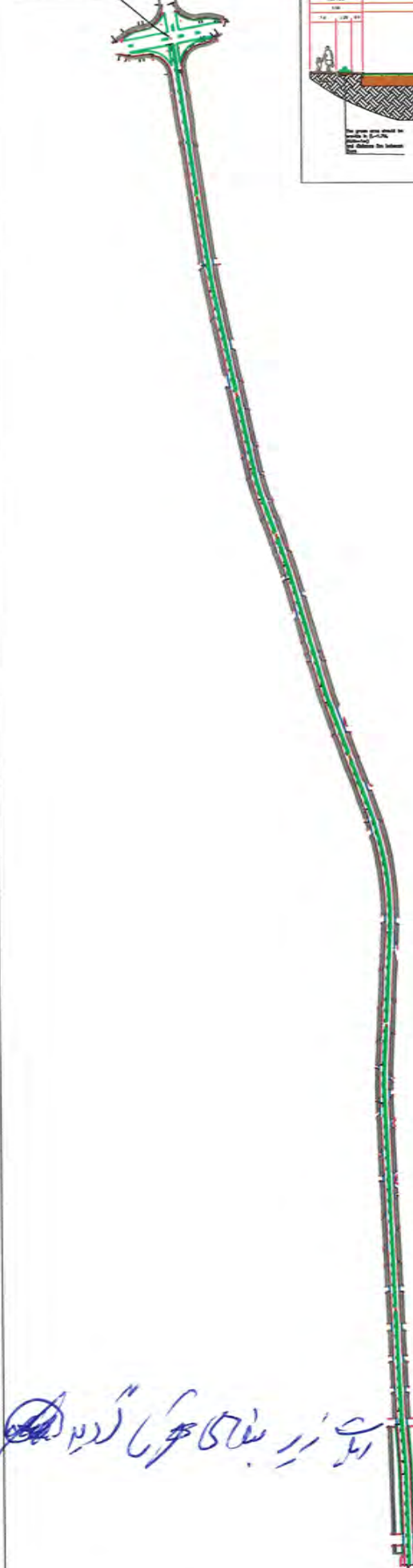
13th District



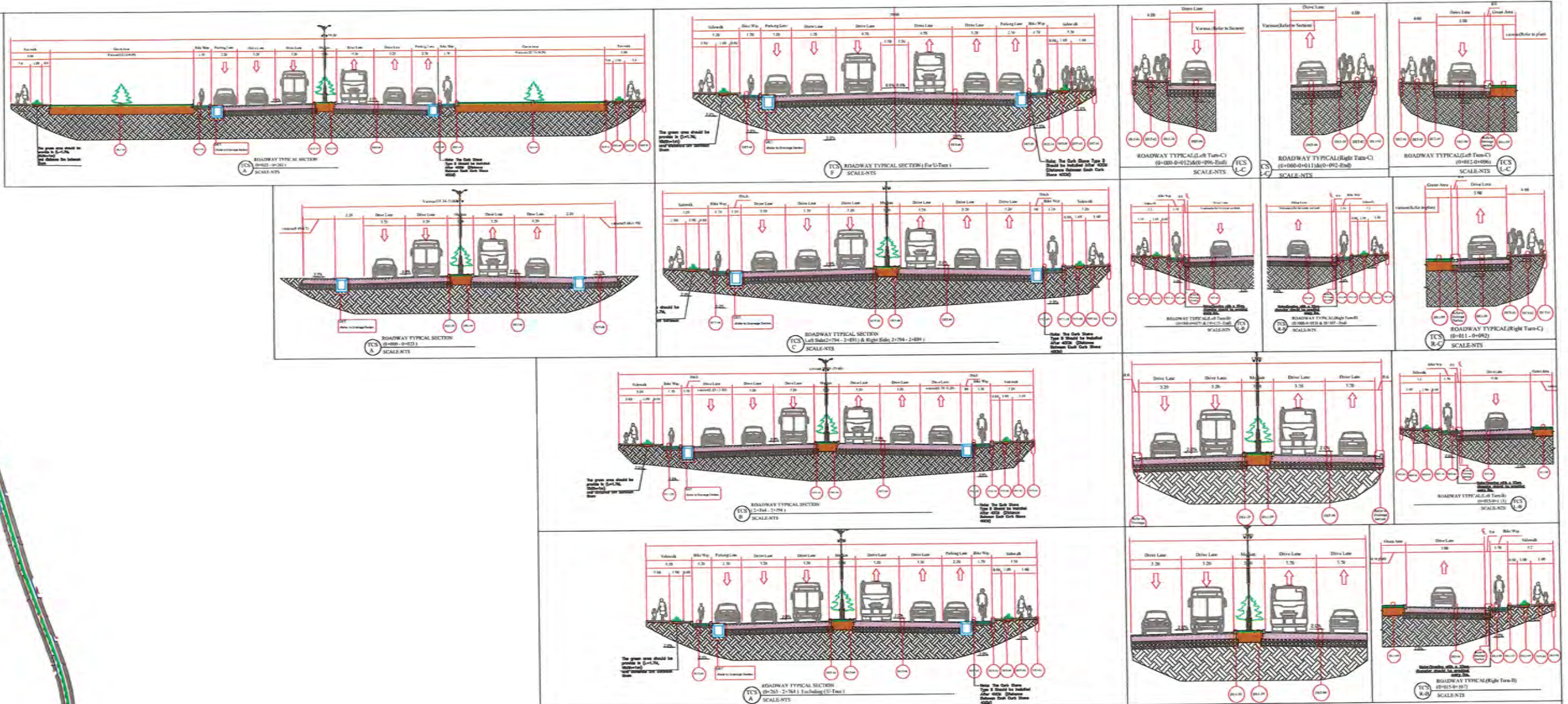


Drawing Content			
Project	NAKHAS TO OMID-E-SABZ SQUARE ROAD PROJECT		
No	Page	Drawing Title	INCLUDING..
1	COVER PAGE	COVER PAGE	1 SHEET
2	TABLE OF CONTENT	TABLE OF CONTENT	1 SHEET
3	SIGN SHEET	SIGN SHEET	1 SHEET
4	DETAILS	DETAILS	1 SHEET
5	TCS-(1-6)	TYPICALS	6 SHEETS
6	PP(1-10)	PLAN & PROFILE	10 SHEETS
7	RTB	RIGHT TURN-B (PLAN & PROFILE)	1 SHEETS
8	LTB	LEFT TURN-B (PLAN & PROFILE)	1 SHEETS
9	RTC	RIGHT TURN-C (PLAN & PROFILE)	1 SHEETS
10	LFT	LEFT TURN-C (PLAN & PROFILE)	1 SHEETS
11	PLAN	DETAILS PLAN OF INTERSECTION	1 SHEETS
12	D(1-2)	JOINT DETAILS	2 SHEETS
13	PP(1-11)	DRAINAGE PLAN & PROFILE	11 SHEETS
14	SIDE DRAIN DETAILS	SIDE DRAIN PLAN, SECTIONS & DETAILS	5 SHEETS
15	CULVERTS(1-3)	CULVERT NO(1-3) PLAN, SECTION, DETAILS	7 SHEET
16	PRECAST SLAB DETAILS	PRECAST SLAB DETAILS FOR EXISTING DITCH	1 SHEET
17	LINK ROAD DETAILS	LINK ROAD DRAIN PLAN, SECTION AND DETAILS	2 SHEET
18	RETAINING WALL	RETAINING WALL DETAILS	1 SHEET
19	MARKING SECTION	ROAD MARKING & SIGNAGE SECTION	10 SHEET
20	LITING SECTION	STREET LIGHTING SECTION	21 SHEET
21	CS-(1-69)	CROSS SECTION	52 SHEETS
22	RTB	RIGHT TURN-B (PLAN & PROFILE)	3 SHEETS
23	LTB	LEFT TURN-B (PLAN & PROFILE)	3 SHEETS
24	RTC	RIGHT TURN-C (PLAN & PROFILE)	2 SHEETS
25	LFT	LEFT TURN-C (PLAN & PROFILE)	2 SHEETS
26	DOOR ENTRANCE	DOOR ENTRANCE	2 SHEET
27	CUT-FILL-	CUT & FILL	1 SHEET
28	STAKEOUT	STAKEOUT REPORT	1 SHEET

E=507235.9920
N=3817745.6716



E=507658.4915
N=3814840.7084



ساختمان ادامه سرک نخاس و اتصال آن به چوک شهرک امید سبز

<p>نوت:</p> <p>اسناد فنیکی پروژه هدا 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.</p> <p>تصویر:</p> <p>1. اسناد فنیکی پروژه هدا نظر به پلان پروژه های افشایی بودجه داخلی سال ۱۴۰۳ که تحت نام ساختمان ادامه سرک نخاس و اتصال آن به چوک شهرک امید سبز و با در نظر داشت پلان مسیر سرک که در یک شیت با پلان اعلای توسط آمريت هاي پلان گزاري و سروی این ریاست آماده و قيد آرشياف، این ریاست میباشد. تهیه و ترتیب گردیده است.</p> <p>2. طرح چهارراهی (Intersection Concept) که شامل خطوط مستقیم موثر رو، دور خورد ها (Left and Right Turns) از سرک دیزاین شده به سرک، عمومی دشت برچی و از سرک عمومی دشت برچی به سرک نخاس کمپنی و همچنان پهن کردن (Widening) سرک در نزدیک چهار راهی که بسته اسناد فنیکی به اساس آن ترتیب گردیده جهت اتصال سرک هدا با سرک عمومی دشت برچی) حسب مسئولیت های وظیفوی از جانب آمريت محترم پلانگذاری از رایز گردیده و در پروژه گنجانیده شده است.</p> <p>3. مقطع عرضی سرک از استیشن ۲۳+۰۰۰ الی ۲۴۵+۰۰۰ به منظور هماهنگی هر چه بیشتر با مقطع عرضی ادامه آن و با توجه به در نظر گرفتن مسئولیت بیشتر جاده نظر به لزوم دید مقامات صالحه شاروالی کابل در پروژه در نظر گرفته شده است.</p> <p>4. در صورتیکه مواد نامناسب در جریان تطبیق پروژه در طبقه سب گرید (Sub grade) رونما گردد باید با مواد مناسب جایگزین شود که در حوضه دورنمون مواد نامناسب و جایگزینی مواد مناسب و تکمیل نمون کیمیکشن معیاری ساحه جین قلم (Subgrade preparation) شرکت تطبیق کننده اجراءات بموقع خواهند نمود.</p> <p>5. مشخصات نوعیت و فاصله بین درختان و سایر نباتات درهماهنگی با ریاست محترم سرسروزی و حفظ ساحات سبز تعین و در ساحه تطبیق گردد.</p> <p>6. قرار مشاهده سروی توپوگرافی و اصل ساحه بعضی پایه های برق، تاسیسات وشکات کاربری و آب رسانی در مسیر پروژه مذکور قرار دارد. در حوضه موقعیت دمی آن طبق قانون، مقررات و نظام نامه های متعده بین ادارات ذیربط اجراءات صورت خواهد گرفت.</p> <p>منظوری مقام محترم شاروالی کابل در این صفحه بیان کننده منظوری تمام صفحات بعدی این بسته اسناد فنیکی می باشد.</p>	<p>امضأ:</p> <p>مصدقی حیدری، محمد رحیم حسب الله، حشمت الله احمد جمشید، عبدالاحمد نور الرحمن و فرهاد</p>	<p>سروی کننده ها:</p>
<p>بررسی کننده سروی:</p> <p>مسید عتیق شیرازی آمر سروی</p>	<p>امضأ:</p>	<p>بررسی کننده سروی:</p>
<p>ترسیم کننده:</p> <p>محمد علی دولت زاده محمد جعفر</p>	<p>امضأ:</p>	<p>ترسیم کننده:</p>
<p>دیزاین کننده:</p> <p>محمد علی دولت زاده محمد جعفر مدیر جمال الله نظری</p>	<p>امضأ:</p>	<p>دیزاین کننده:</p>
<p>بررسی کننده دیزاین:</p> <p>حسب الله شیرازی آمر دیزاین</p>	<p>امضأ:</p>	<p>بررسی کننده دیزاین:</p>

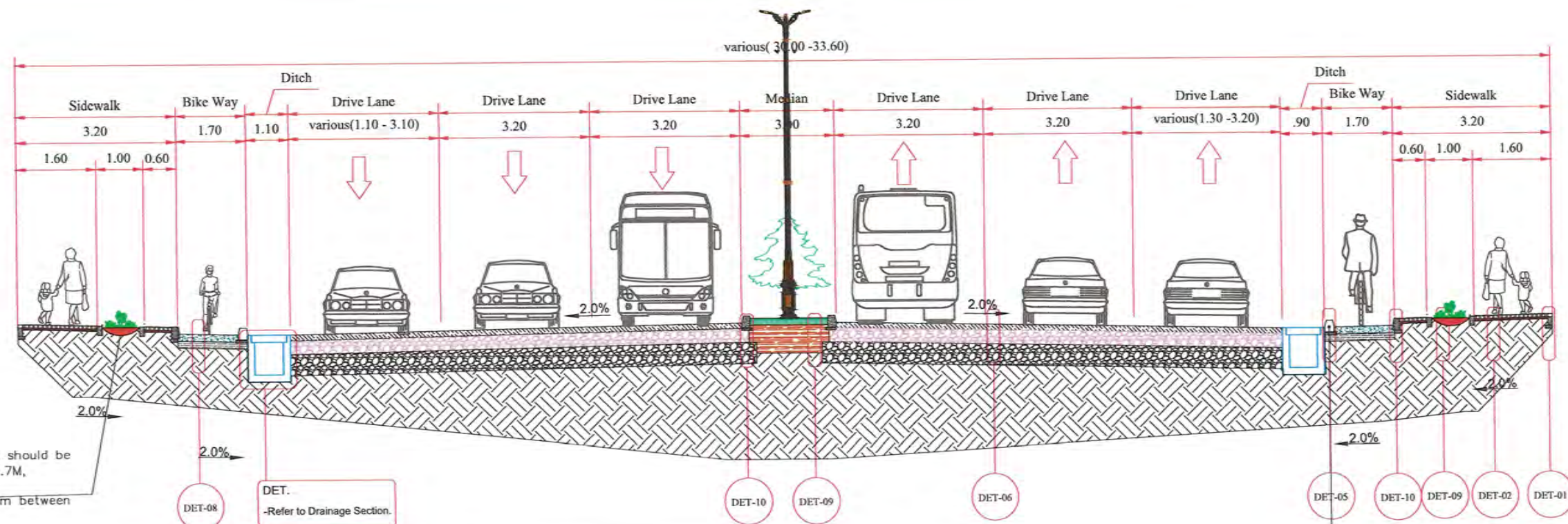
تأیید کننده:
فایق احمد تسلی
ریس زیر بناهای شهری

منظور است:
مقام محترم شاروالی کابل



کت شماره ۱۳۰۱ مخ ۱۴۴۲/۲/۶ قید لړشې
رئیس زیر بناهای شهری





The green area should be provide in (L=1.7M, Width=1m) and distance 5m between them

DET-08

DET.
-Refer to Drainage Section.

DET-10

DET-09

DET-06

DET-05

DET-10

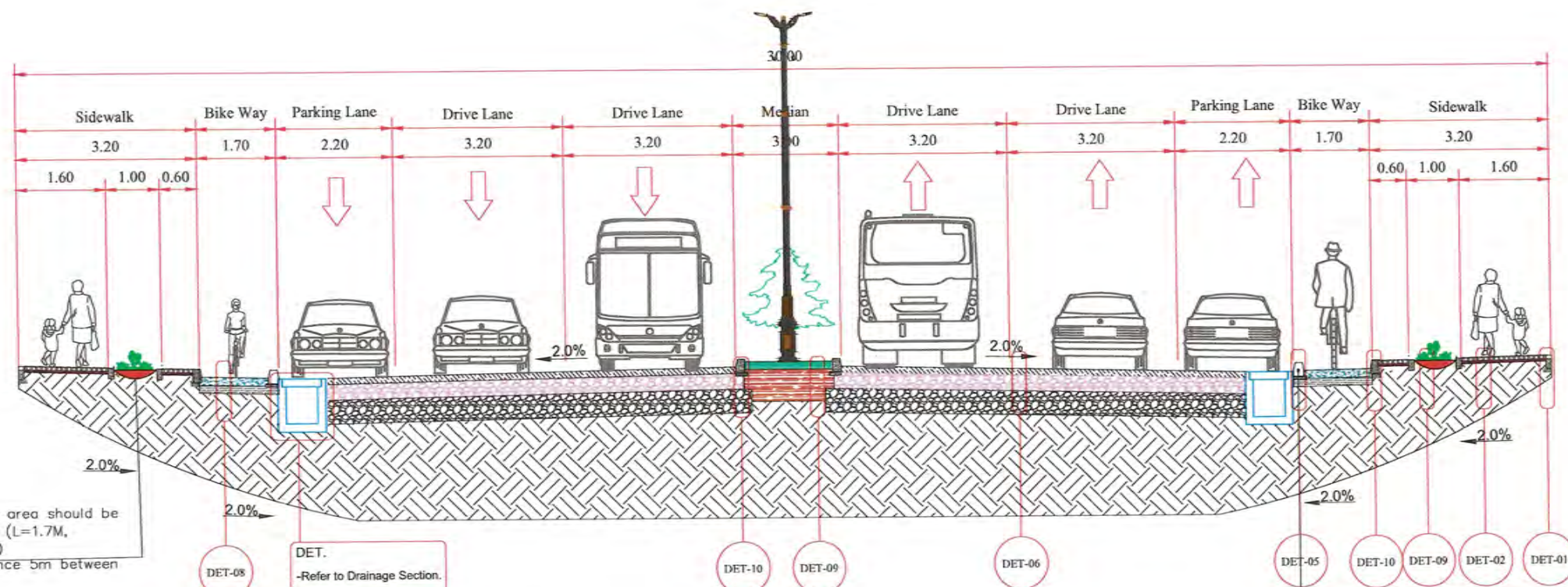
DET-09

DET-02

DET-01

Note: The Curb Stone Type B Should be Installed After 40CM (Distance Between Each Curb Stone 40CM)

ROADWAY TYPICAL SECTION
TCS B
(2+764 - 2+794)
SCALE-NTS



The green area should be provide in (L=1.7M, Width=1m) and distance 5m between them

DET-08

DET.
-Refer to Drainage Section.

DET-10

DET-09

DET-06

DET-05

DET-10

DET-09

DET-02

DET-01

Note: The Curb Stone Type B Should be Installed After 40CM (Distance Between Each Curb Stone 40CM)

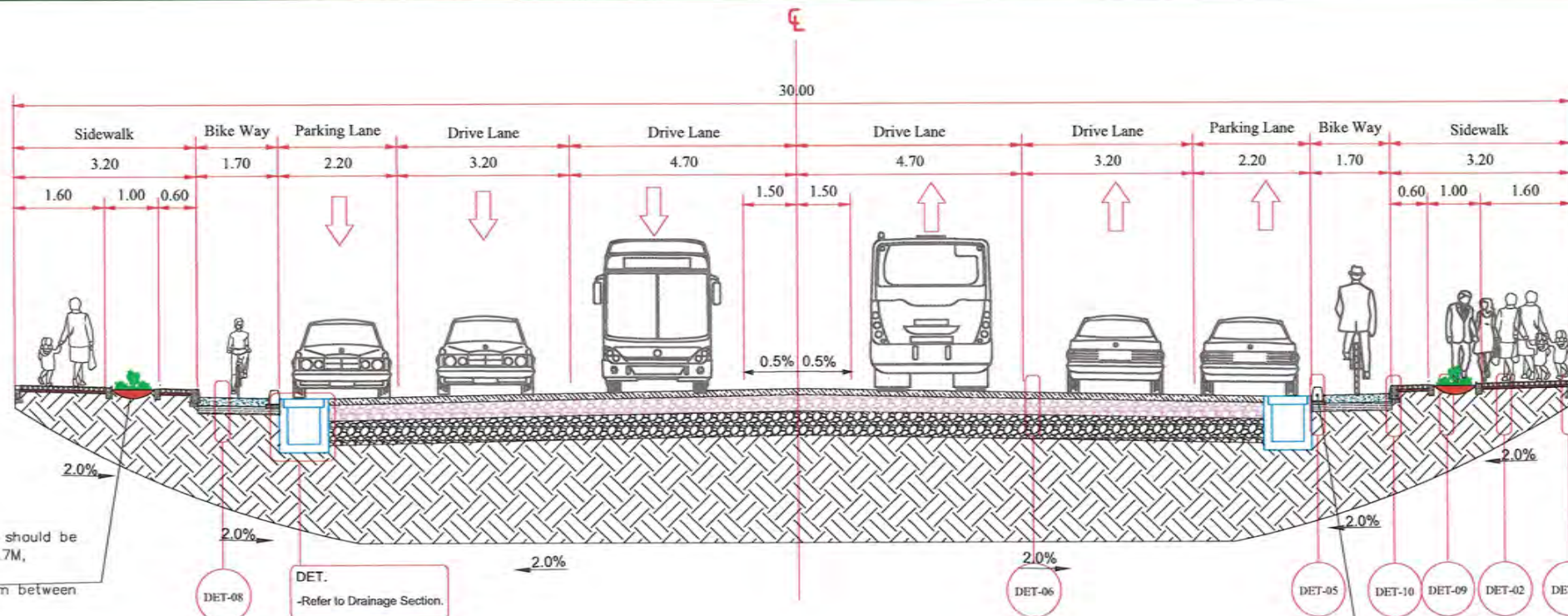
ROADWAY TYPICAL SECTION
TCS A
(0+265 - 2+764) Excluding (U-Turn)
SCALE-NTS

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



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The green area should be provide in (L=1.7M, Width=1m) and distance 5m between them



TCS F ROADWAY TYPICAL SECTION (For U-Turn)
SCALE-NTS

Note: The Curb Stone Type B Should be Installed After 40CM (Distance Between Each Curb Stone 40CM)



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Typical Cross Section

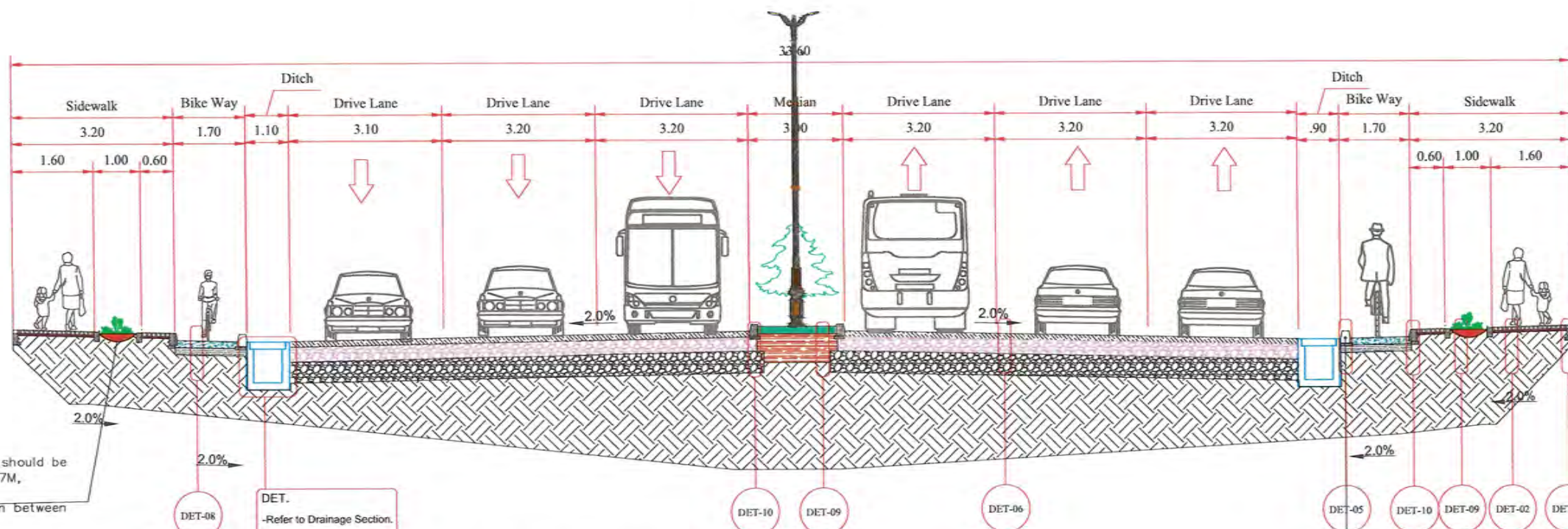
Drawn: M.A.S Dawlatzoda
Designed: M.A.S Dawlatzoda
Checked: Habibullah Shalizi

Date: 11/19/2024
Scale: 1:1000

Status: FINAL DESIGN

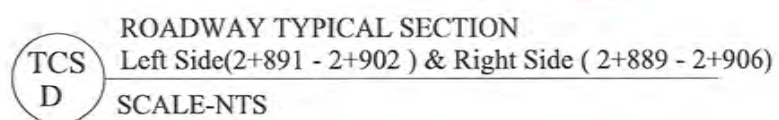
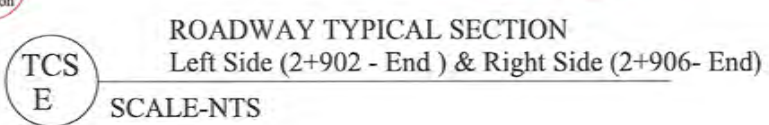
Project Code:
SHEET NO. 01

The green area should be provide in (L=1.7M, Width=1m) and distance 5m between them



TCS C ROADWAY TYPICAL SECTION
Left Side(2+794 - 2+891) & Right Side(2+794 - 2+889)
SCALE-NTS

Note: The Curb Stone Type B Should be Installed After 40CM (Distance Between Each Curb Stone 40CM)



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

Designed By:

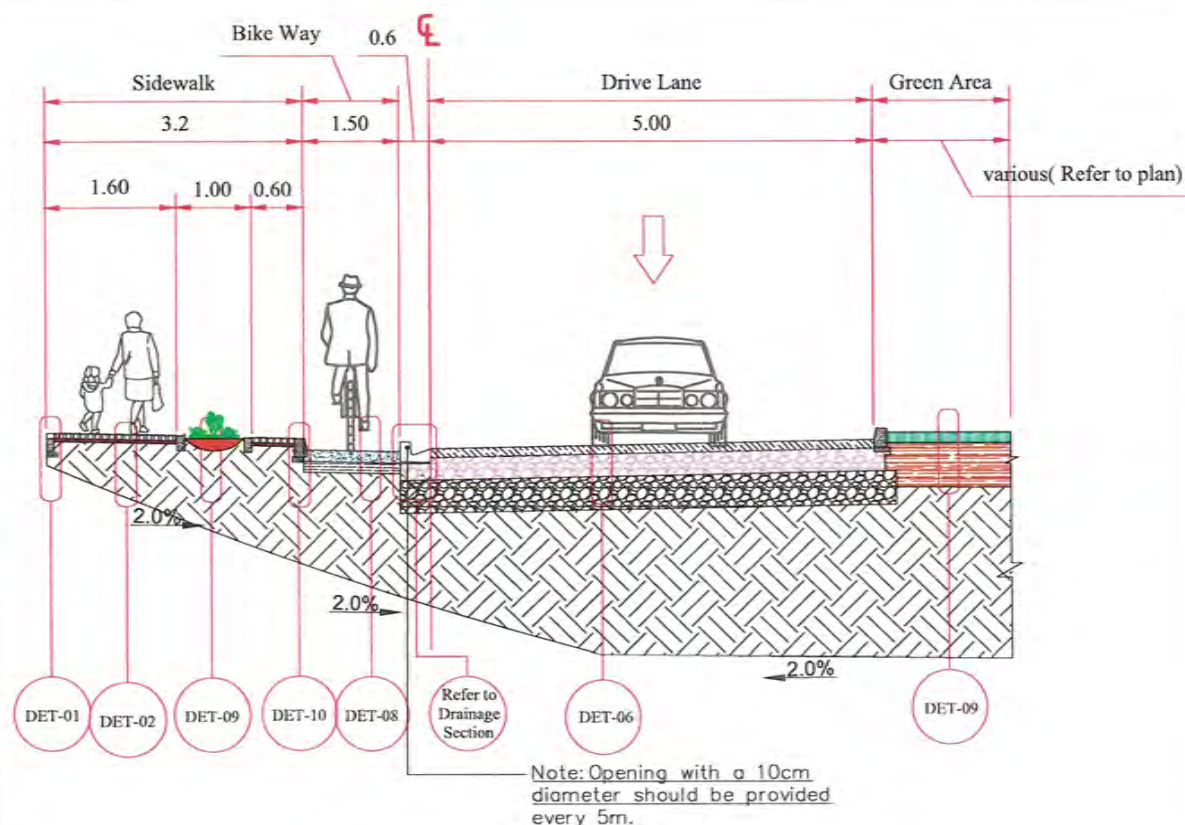


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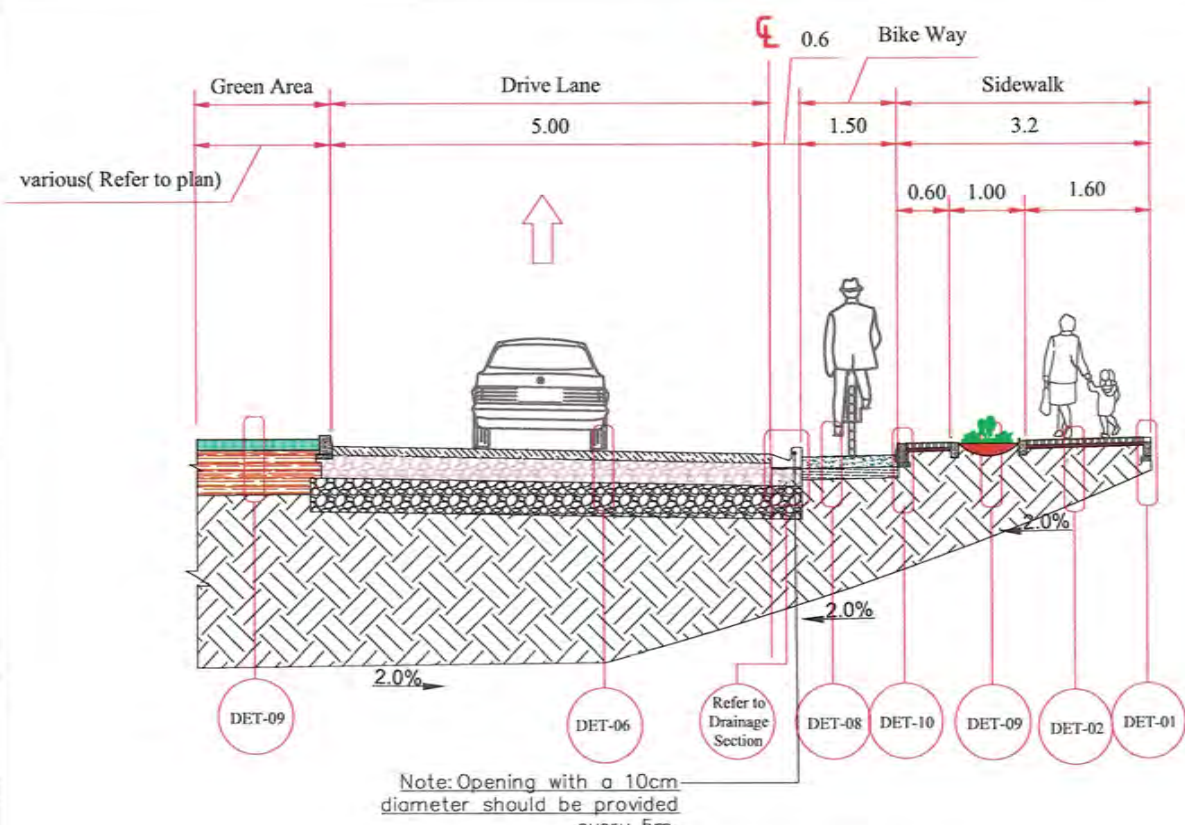
Typical Cross Section

Project Code

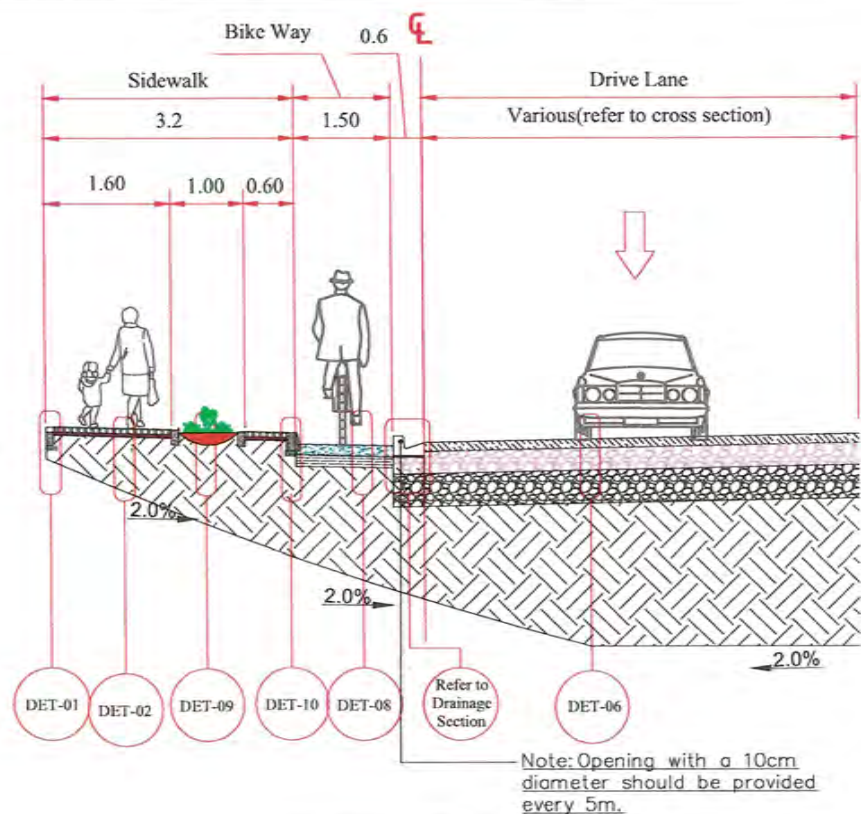
SHEET NO.	Revision
	01



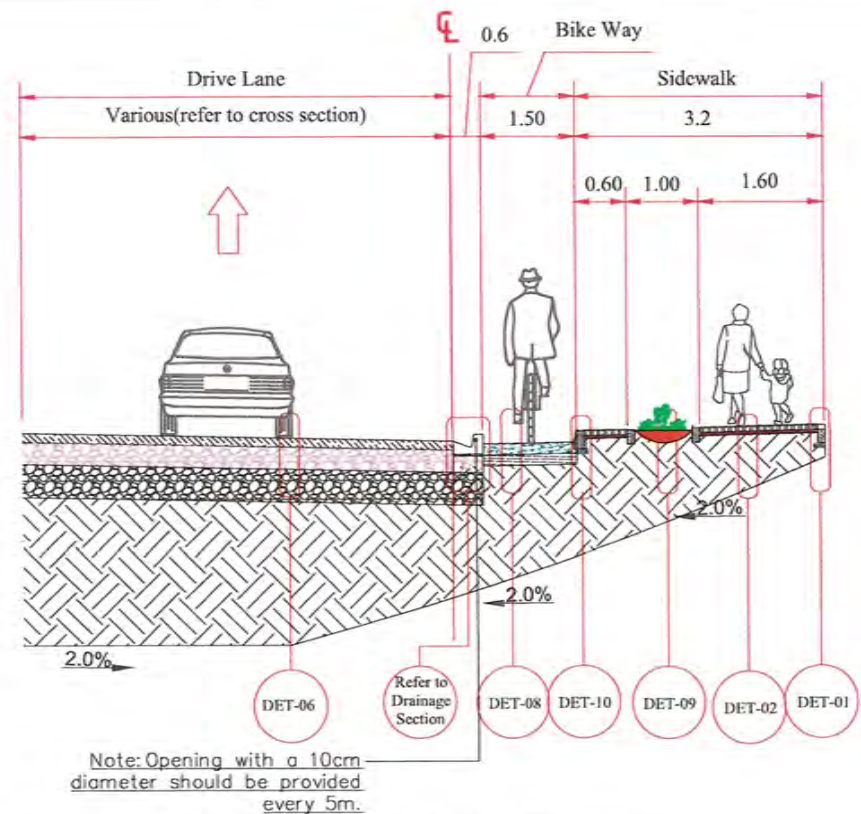
ROADWAY TYPICAL(Left Turn-B)
(0+015-0+115) TCS
SCALE-NTS L-B



ROADWAY TYPICAL(Right Turn-B)
(0+015-0+107) TCS
SCALE-NTS R-B



ROADWAY TYPICAL(Left Turn-B)
(0+006-0+015) & (0+115- End) TCS
SCALE-NTS L-B



ROADWAY TYPICAL(Right Turn-B)
(0+000-0+015) & (0+107 - End) TCS
SCALE-NTS R-B

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:

Typical Cross Section

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasbullah Shalizi Signature:

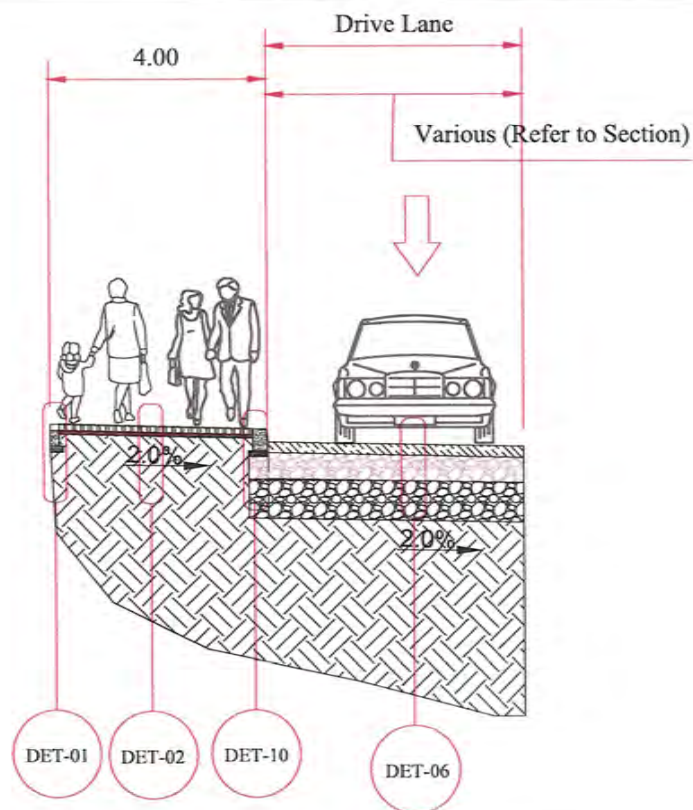
Date: 11/19/2024 Scale: 1:1000

Status: FINAL DESIGN

Project Code:

SHEET NO.

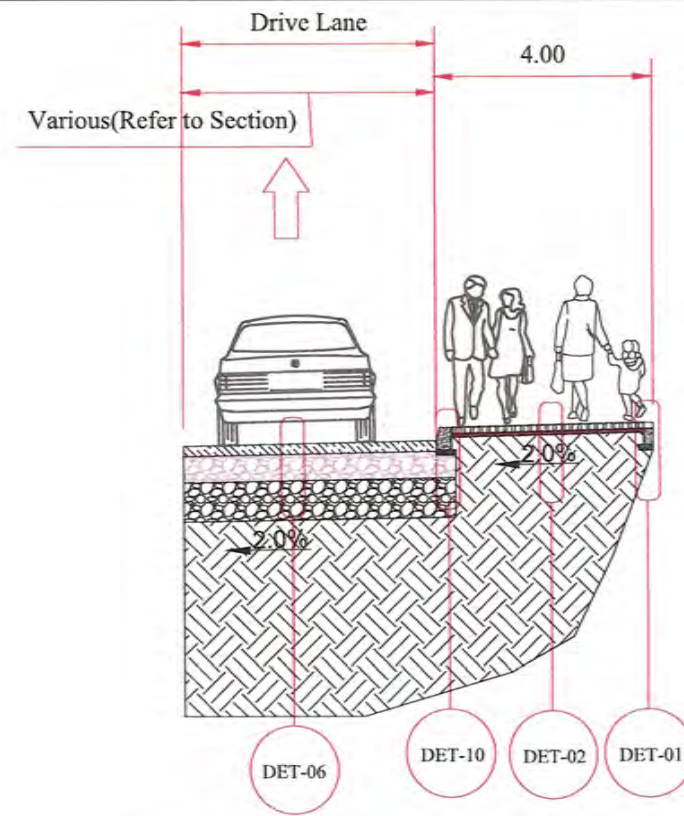
Revision
01



ROADWAY TYPICAL(Left Turn-C)
(0+000-0+012)&(0+096-End)

SCALE-NTS

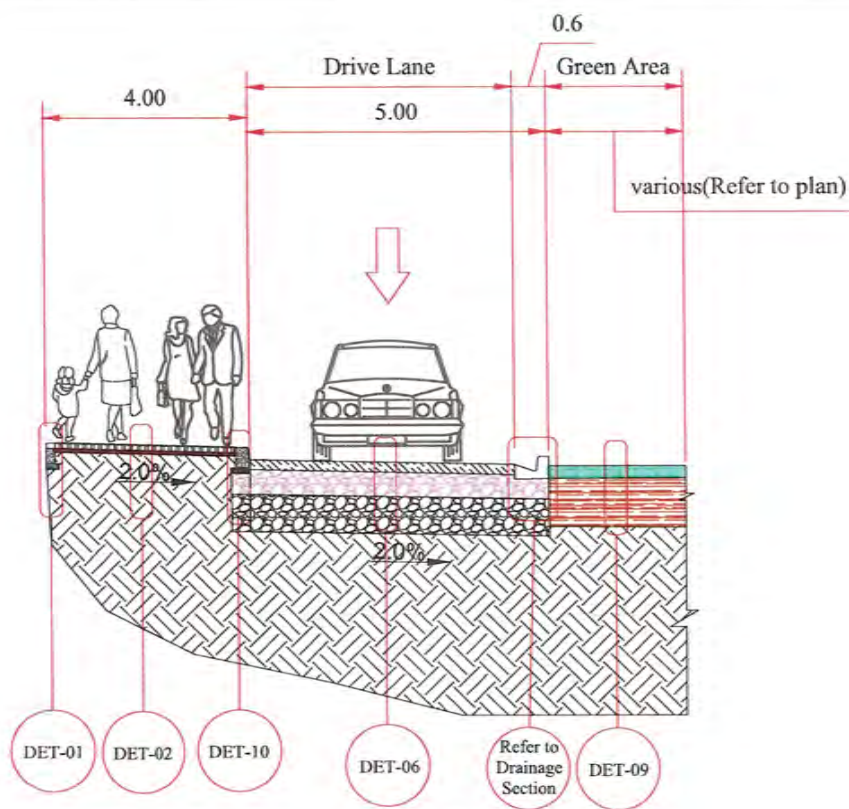
TCS
L-C



ROADWAY TYPICAL(Right Turn-C)
(0+000-0+011)&(0+092-End)

SCALE-NTS

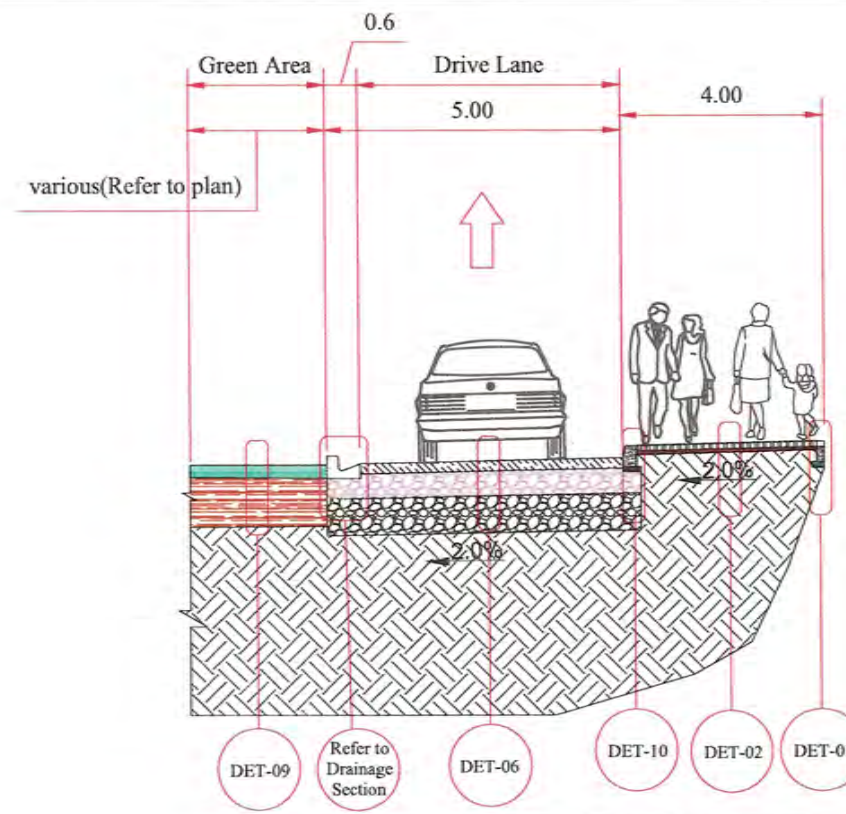
TCS
R-C



ROADWAY TYPICAL(Left Turn-C)
(0+012-0+096)

SCALE-NTS

TCS
L-C



ROADWAY TYPICAL(Right Turn-C)
(0+011 - 0+092)

SCALE-NTS

TCS
R-C

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Typical Cross Section

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

Date: 11/19/2024 Scale: 1:1000

Status: FINAL
DESIGN

Project Code

SHEET NO.

Revision

01

WEARING COURSE LAYER

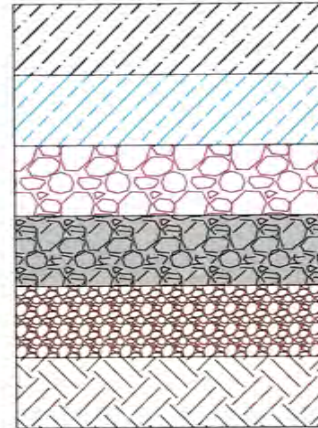
BINDER COURSE LAYER

COMPACTED GRANULAR BASE COURSE MATERIALS

COMPACTED GRANULAR SUB BASE COURSE MATERIALS

SATISFACTORY MATERIAL

NATURAL AND RE-COMPACTED SUB GRADE



50MM ASPHALT WEARING COURSE

60MM ASPHALT BINDER COURSE

200MM THICKNESS, CBR80% WITH 98% COMPACTION

350MM THICKNESS, CBR35% WITH 97% COMPACTION

350MM @ MIN 97% COMPACTION, (CBR ≥ 12%)

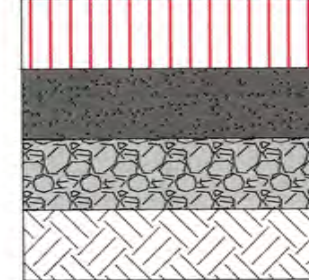
SUB GRADE SHOULD HAVE MIN OF 95% COMPACTION, CBR>6.7% (SUB GRADE SHOULD BE SCREENED FROM OVER SIZE, ORGANIC AND DAMPED MATERIALS)

INTERLOCKING PAVEMENT

FINE SAND LAYER

COMPACTED GRANULAR AGGREGATE BASE COURSE MATERIALS

NATURAL AND RE-COMPACTED SUB GRADE



60MM INTERLOCK FOR NORMAL AND FOR CAR ENTRANCE STATION

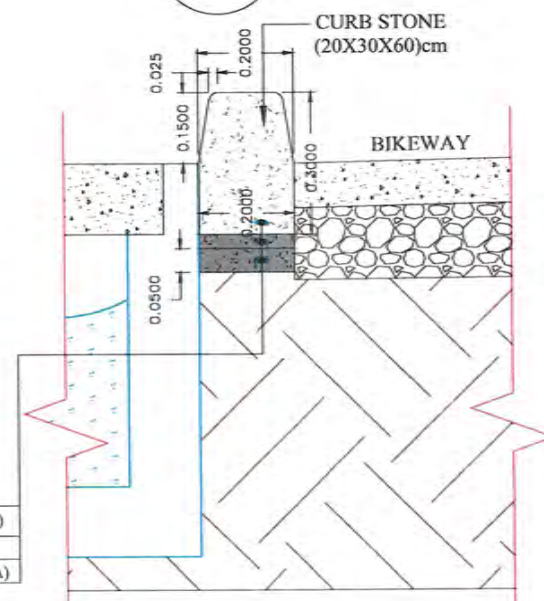
30MM FINE SAND COMPACTION AS PER SITE CONDITION

100MM THICKNESS WITH MIN OF 98% COMPACTION, CBR80%

SUB GRADE SHOULD HAVE MIN OF 95% COMPACTION, CBR>6.7% (SUB GRADE SHOULD BE SCREENED FROM OVER SIZE, ORGANIC AND DAMPED MATERIALS)

DET:02 SIDEWALK MATERIAL DETAIL
SCALE: NTS

DET:06 ROAD MATERIAL SECTION
SCALE: NTS

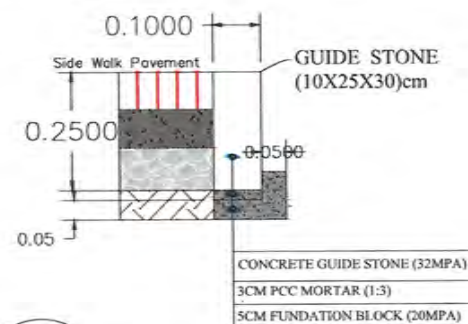


CONCRETE CURBSTONE (32MPA)

3CM PCC MORTAR (1:3)

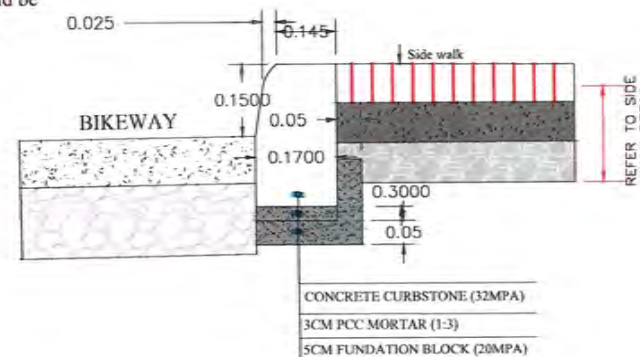
5CM FUNDATION BLOCK (20MPA)

CURB STONE Type (B) DETAIL, Note: The Curb stone should be installed after 40cm (distance between each curb stone 40cm.)
SCALE: NTS



DET:01 GUIDE STONE DETAILS, THE END OF SIDEWALK
SCALE: NTS

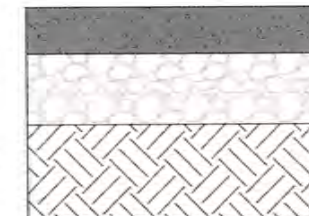
DET:10 CURB STONE BETWEEN SIDE WALK AND BIKEWAY DETAIL
SCALE: NTS



PCC FINISHING LAYER

COMPACTED GRANULAR BASE COURSE MATERIALS

NATURAL AND RE-COMPACTED SUB GRADE

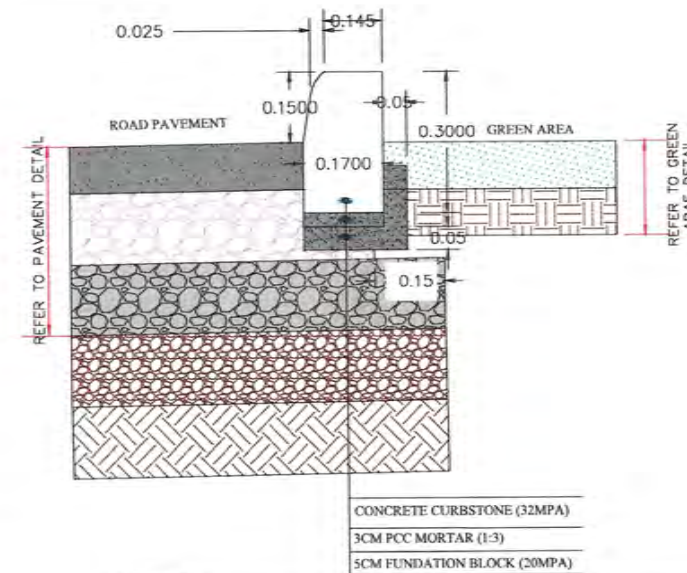


100MM WELL MIXED PLAIN CONCRETE PCC LAYER (M.25MPA)

150MM THICKNESS WITH MIN OF 98% COMPACTION, CBR 80%

SUB GRADE SHOULD HAVE MIN OF 95% COMPACTION, CBR>6.7% (SUB GRADE SHOULD BE SCREENED FROM OVER SIZE, ORGANIC AND DAMPED MATERIALS)

DET:08 BIKEWAY MATERIAL DETAIL
SCALE: NTS



DET:10 CURB STONE BETWEEN GREEN AREA AND ROAD PAVEMENT DETAIL
SCALE: NTS

CULTIVATION SOIL

NATURAL SOIL



500MM CULTIVATED SOIL SUITABLE FOR TREES AND PLANTS AND IT SHOULD BE FREE OF STONE FRAGMENTS.

NATURAL SOIL WITHOUT STONE FRAGMENTS LARGER THAN 370MM

DET:09 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:
Nakhas to Urmid-e-Sabz Road Project

Drawing Title:
Details

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi

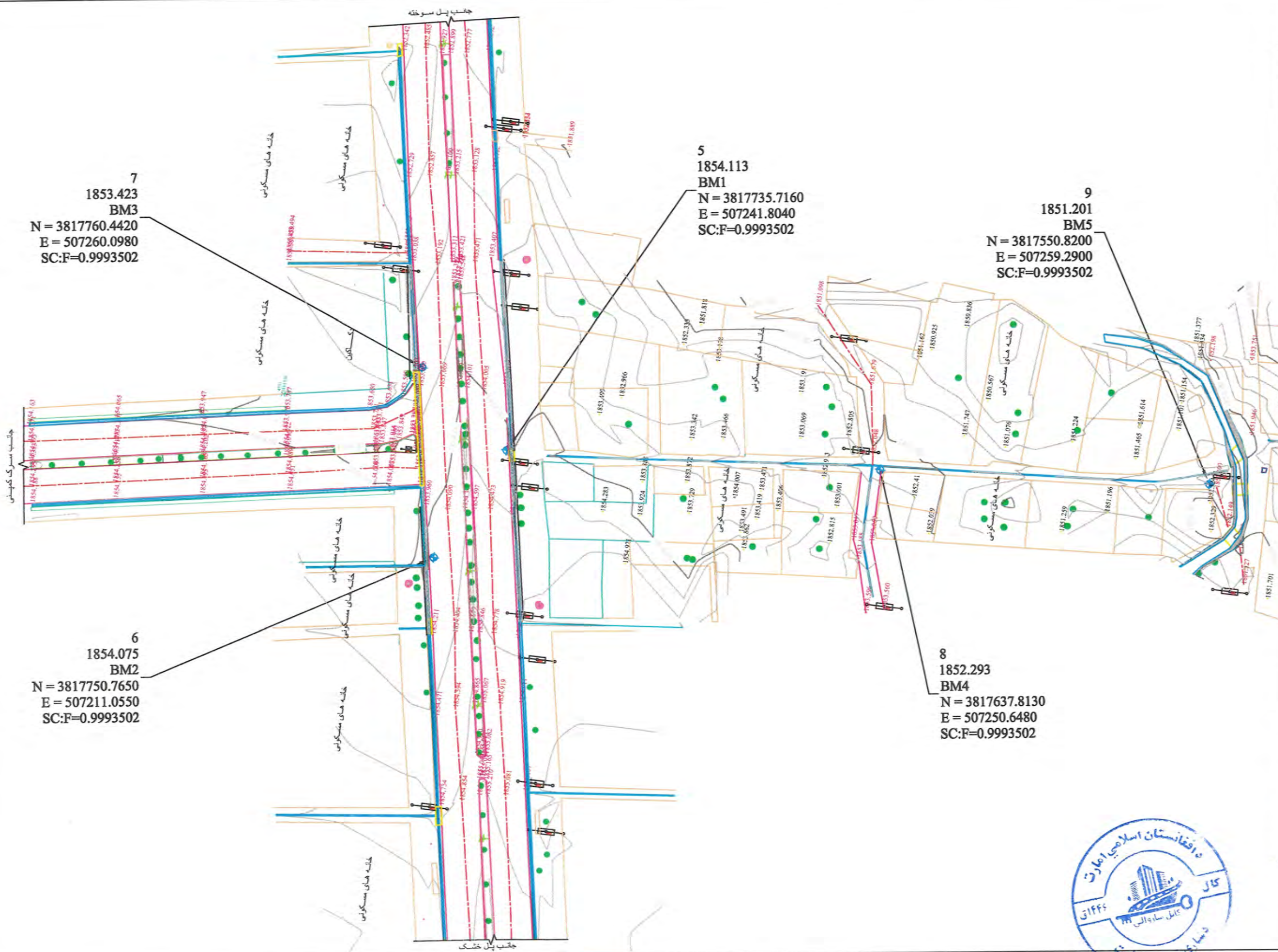
Date: 11/19/2024
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

SHEET NO. Revision

01



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

LEGENDS

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

امارت اسلامی افغانستان

شراوالی کابل
معینیت مخابراتی
رواست زیربناهای شهری
آمریت سروی

نام پروژه:
ساختن فاضل سوک، بخش و اتصال آن به چوک شهرک
ایمید سیز

نام پلان:
سروئ توپوگرافی

سروی کننده ها

چونیر مسطقی	چونیر محمد رحیم
چونیر حشمت الله	چونیر حبیب الله
چونیر احمد چشمد	چونیر عبدالاحد
چونیر نورمحمد	چونیر فرهاد

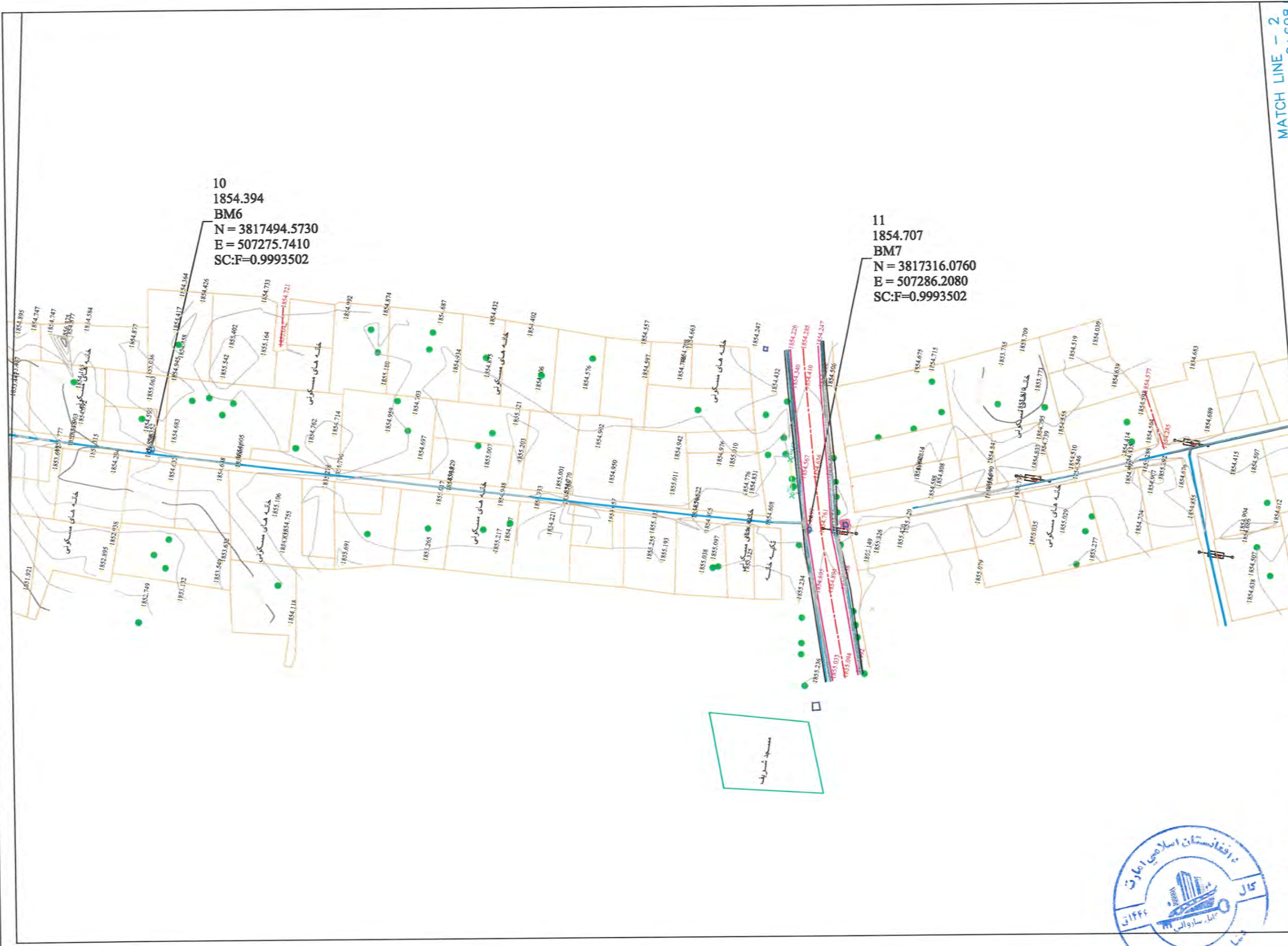
مروور کننده
چونیر محمد رحیم
امیر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 10F10





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

LEGENDS

SYMBOL	DESCRIPTION	CODE
—	CENTER LINE	CL
—	BUILDING	BL
—	TOP OF CANAL	TCN
—	BOTTOM OF CANAL	BCN
—	TOP OF DITCH	TD
—	STATION	STA
—	ROAD EDGE	RE
—	TOP OF RIVER	TRV
—	BOTTOM OF RIVER	BRV
—	WALL	W
—	TOP OF CULVERT	TCU
—	CEMETERY	CEP
—	EXISTING BRIDGE	BR
—	TREE	MSQ
—	MASQUE	HP
—	HAND PUMP	HP
—	WELL	WELL
—	TEMPERATURE POINT	TP
—	CONTAINER	CN
—	CULVERT	TCU
—	DEAD END ROAD	DEAD
—	FOOTPATH	FOOT
—	PAVED ROAD	PAVED
—	ASPHALT ROAD	ASPHALT

امارت اسلامی افغانستان

شراوایی کابل
معینیت ساختمانی
رئیسیت زیربناهای شهری
آمریت سروی

نام پروژه:
ساختن لوله سرک، نخس و اتصال به چوک شهرک
ایست سیر

نام پلان:
سروی توپوگرافی

سروی کننده ها

مهندس مسئول	مهندس محاسب
مهندس محاسب	مهندس محاسب
مهندس محاسب	مهندس محاسب
مهندس محاسب	مهندس محاسب
مهندس محاسب	مهندس محاسب
مهندس محاسب	مهندس محاسب

مهرور کشته

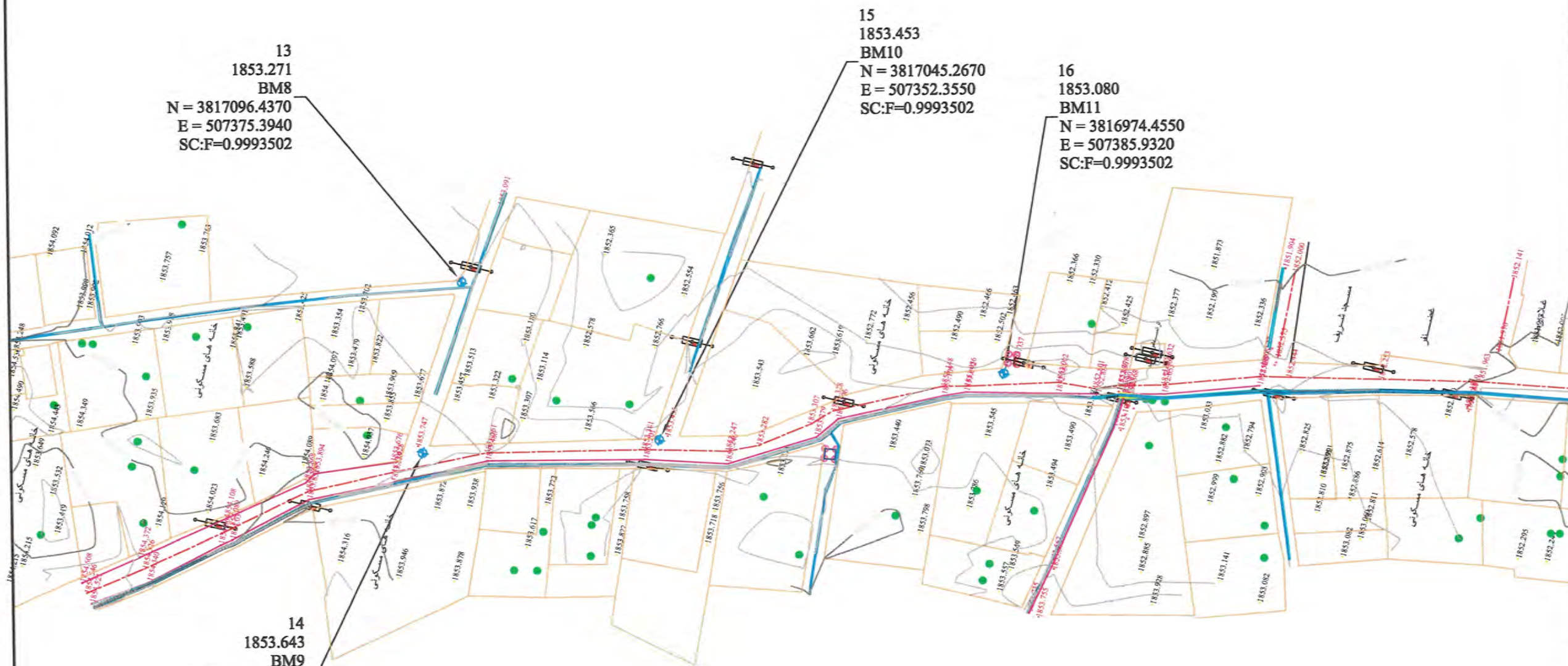
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امیر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 20F10





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SC:F=0.9993502

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

LEGENDS

SYMBOL	DESCRIPTION	CODE
—	CENTER LINE	CL
—	BUILDING	BL
—	TOP OF CANAL	TCN
—	BOTTOM OF CANAL	BCN
—	TOP OF DITCH	TD
—	STATION	STA
—	FOOTED CULVERT	CEP
—	ROAD EDGE	RE
—	TOP OF RIVER	TRV
—	BOTTOM OF RIVER	BRV
—	WALL	W
—	TOP OF CULVERT	TCU
—	CEMETERY	CEM
—	EXISTING BRIDGE	BR
—	TREE	T
—	MASQUE	MSQ
—	HAND PUMP	HP
—	WELL	WELL
—	CONTAINER	CN
—	CULVERT	TCU
—	ASPHALT ROAD	AR

امارت اسلامی افغانستان

شاروالی کابل

معینیت ساختمانی

ریاست زیربنای شهری

آمریت مسروی

نام پروژه:

ساختمان امامه سرک نخس و اتصال آن به چوک شهرک

امید سیز

نام پلان

مسروی توپوگرافی

مسروی کتیده ها

تجهیز مصطفی احمد	تجهیز محمد رحیم
تجهیز حشمت الله	تجهیز محبوب الله
تجهیز احمد جشود	تجهیز عبدالاحد
تجهیز نورالرحمن	تجهیز فرید

مسور کتیده

تجهیز مسود عتیق شادی

امیر مسروی

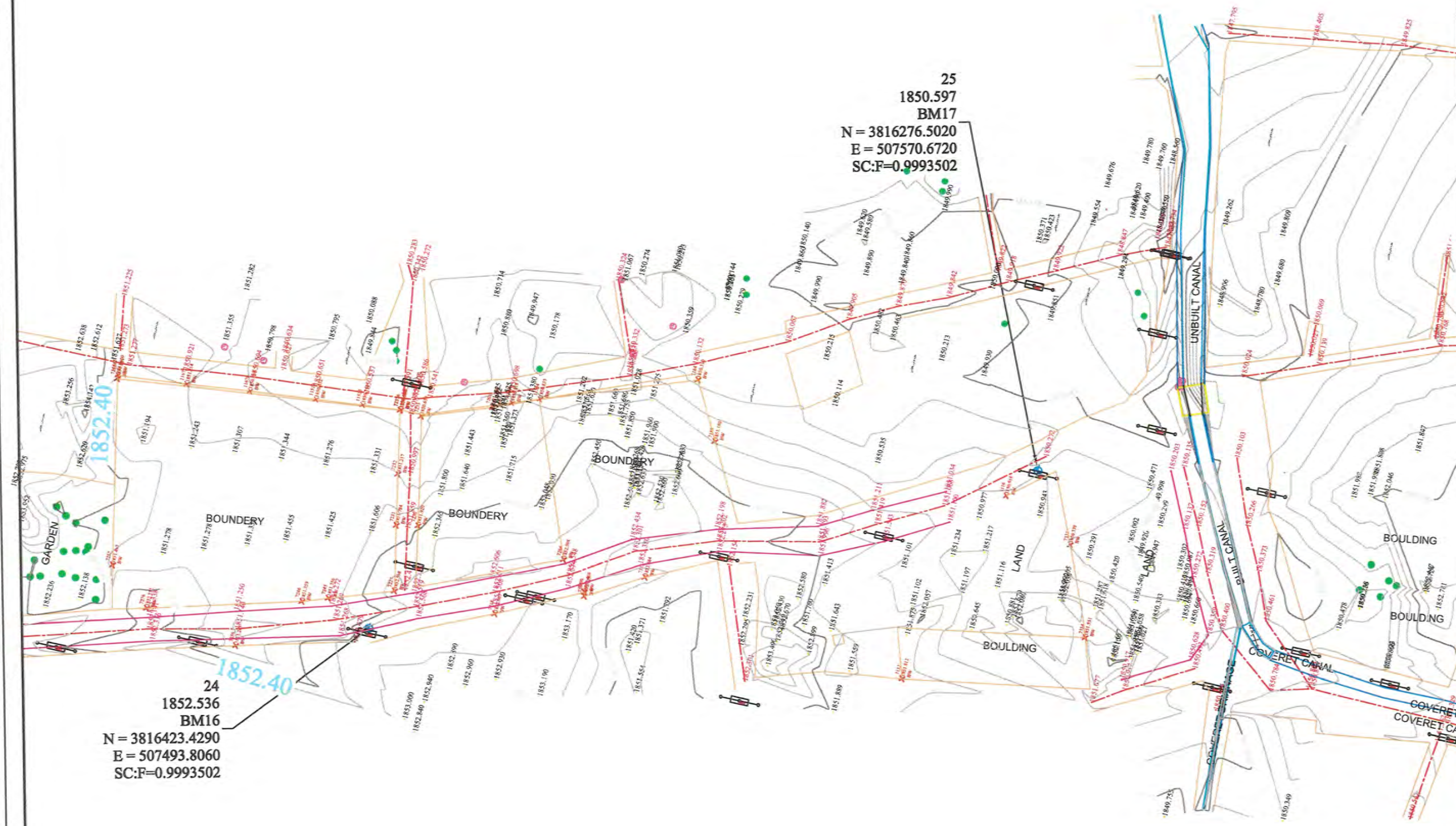
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SCALE: 1:1000

PROJECT CODE: _____

DRAWING #: 30F10





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

LEGENDS

SYMBOL	DESCRIPTION	CODE
—	CENTERLINE	CL
—	BUILDING	BL
—	TOP OF CANAL	TCN
—	BOTTOM OF CANAL	BCN
—	TOP OF DITCH	TD
—	STATION	RM
—	CEP	CEP
—	ROAD EDGE	RE
—	TOP OF RIVER	TRV
—	BOTTOM OF RIVER	BRV
—	WALL	W
—	TOP OF CULVERT	TCU
—	CEMETERY	C
—	EXISTING BRIDGE	BR
—	TREE	T
—	MASQUE	MSQ
—	HAND PUMP	HP
—	WELL	WEL
—	TOPOLANDMARK	TP
—	CONTAINER	CN
—	CULVERT	TCU
—	ROAD	R
—	ASPHALT ROAD	AR

امارت اسلامی افغانستان

شراوالی کابل
معینیت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
ساختن دانه سرک نخس و التالان به چوک شهرک
امید سبز

نام پلان:
سروی توپوگرافی

سروی کننده ها

انجنیر مسطقی	انجنیر محمد رحیم
انجنیر حسرت الله	
انجنیر حبیب الله	
انجنیر احمد جشید	
انجنیر عبدالاحد	
انجنیر نورالرحمن	
انجنیر فرهاد	

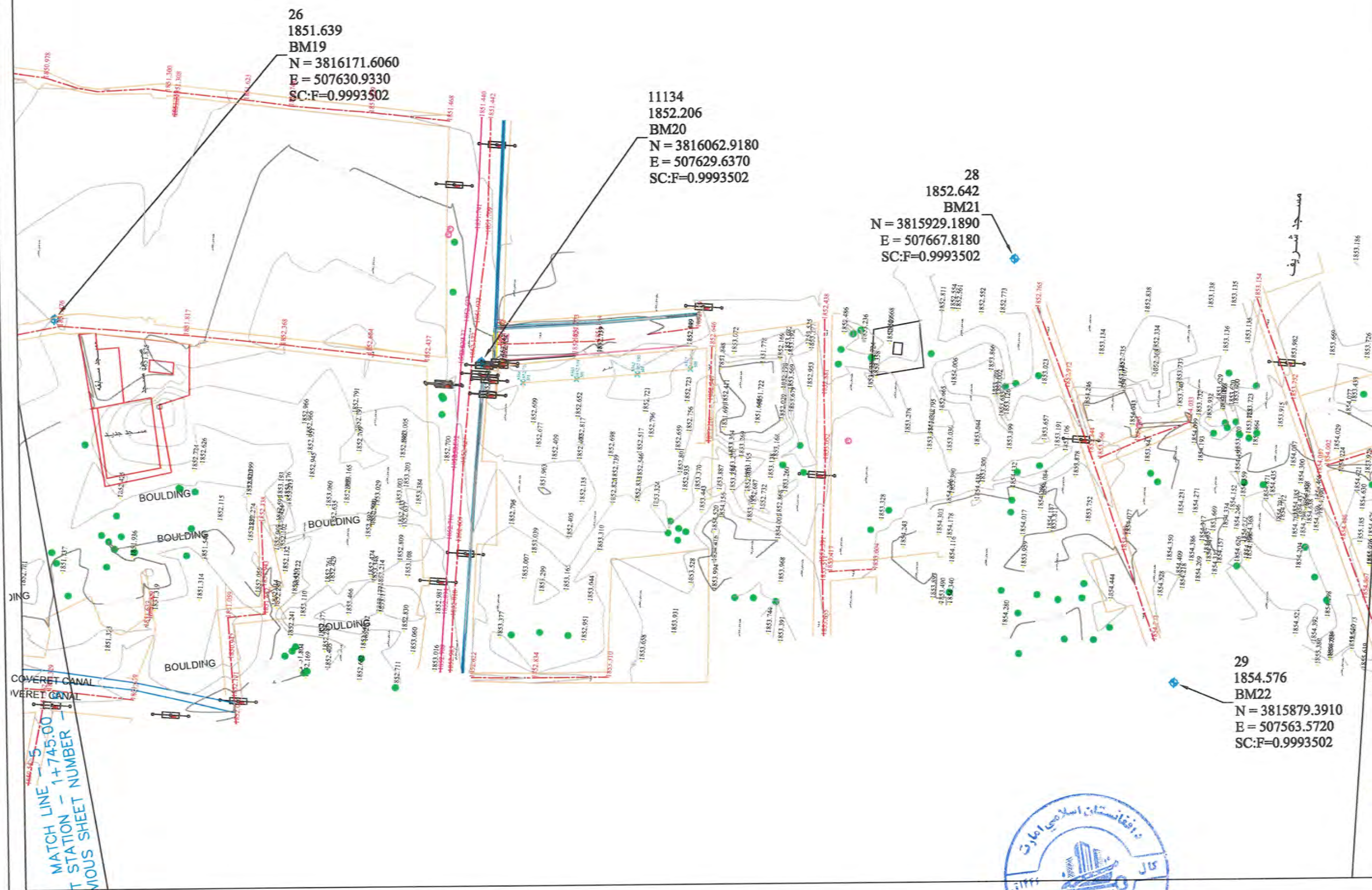
مورود کننده
انجنیر سعید عقیق شریک
امر سروی

DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 50F10





NOTE:
1 ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

LEGENDS	
SYMBOLS	DESCRIPTION
CL	CENTER LINE
BL	BUILDING
TCN	TOP OF CANAL
BCN	BOTTOM OF CANAL
TD	TOP OF DITCH
BM	BENCHMARK
STA	STATION
CEP	COVERED CULVERT
RE	ROAD EDGE
TRV	TOP OF RIVER
BRV	BOTTOM OF RIVER
W	WALL
TCU	TOP OF CULVERT
CEM	CEMETERY
BR	EXISTING BRIDGE
TR	TREE
MSQ	MASQUE
HP	HAND PUMP
W	WELL
TP	TEMPERATURE POINT
CN	CONTAINER
CU	CULVERT
...	...

امارت اسلامی افغانستان

شاروالی کابل
معینیت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
ساختمان فاضله سرک نغش و القبال به چوک شهرک
فید سیر

شماره پلان:
سروئ توپوگرافی

سروئ کننده ها:
تجهیز مسطقی: ...
تجهیز محاسب: ...
تجهیز محاسب: ...
تجهیز محاسب: ...
تجهیز محاسب: ...
تجهیز محاسب: ...

مورور کننده:
تجهیز محاسب: ...
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تجهیز محاسب: ...

PROJECT CODE:

DRAWING #: 60F10



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

LEGENDS

SYMBOLS	DESCRIPTION	CODE
	CENTER LINE	CL
	BUILDING	BL
	TOP OF CANAL	TCN
	BOTTOM OF CANAL	BCN
	TOP OF DITCH	TD
	STATION	STA
	ROAD EDGE	RE
	TOP OF RIVER	TRV
	BOTTOM OF RIVER	BRV
	WALL	W
	TOP OF CULVERT	TCU
	CEMETERY	CEM
	EXISTING BRIDGE	BR
	TREE	MSQ
	MASQUE	MSQ
	HAND PUMP	HP
	WELL	WELL
	TRANSFORMER	TP
	CONTAINER	CN
	CULVERT	TCU
	STEEL STRUCTURE	SS
	ARCHWAY	ARC
	CONCRETE	CONC
	PAVED ROAD	PRD
	ASPHALT ROAD	ASRD

امارت اسلامی افغانستان

شاروالی کابل
معماریت ساختمانی
ریاست زیربنای شهری
آمریت سروی

نام پروژه:
ساختن فاضله سرک نفل و اتصال آن به چوک شپوک
لویه سبز

بنام پلان
سروی توپوگرافی

سروی کننده ها

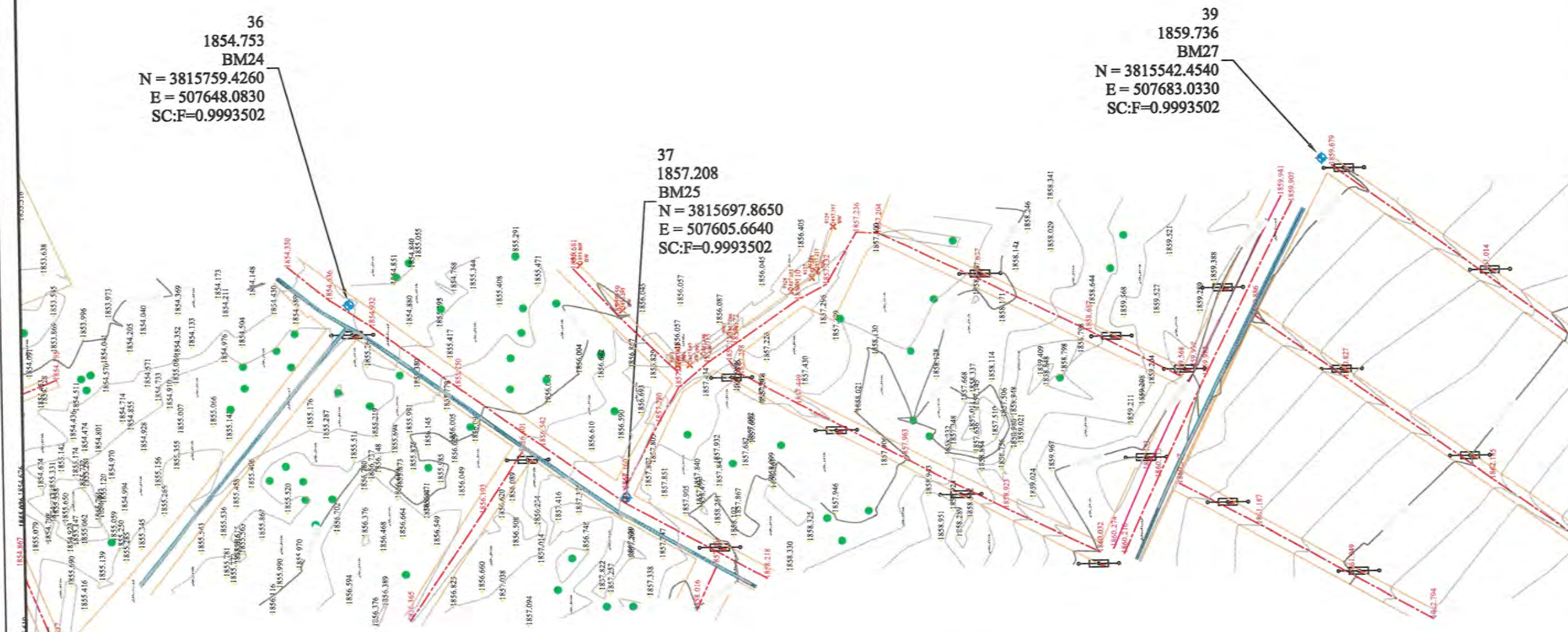
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	مهندس محمد رحیم
	مهندس مشتاق الله
	مهندس حبیب الله
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	مهندس عبدالاحمد
	مهندس نورمحمد
	مهندس فرهاد

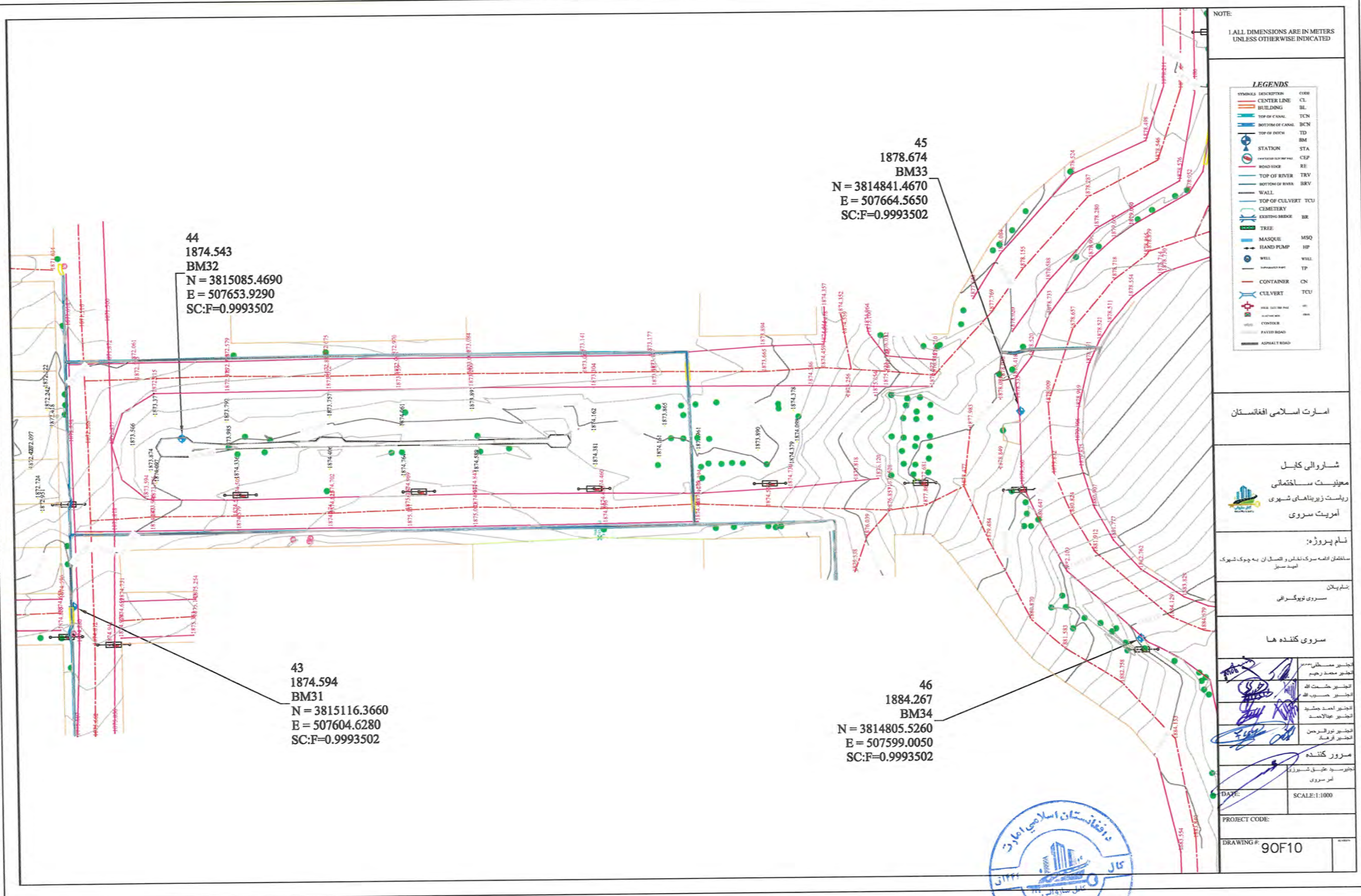
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مهندس سید عتیق شادوی
امر سروی

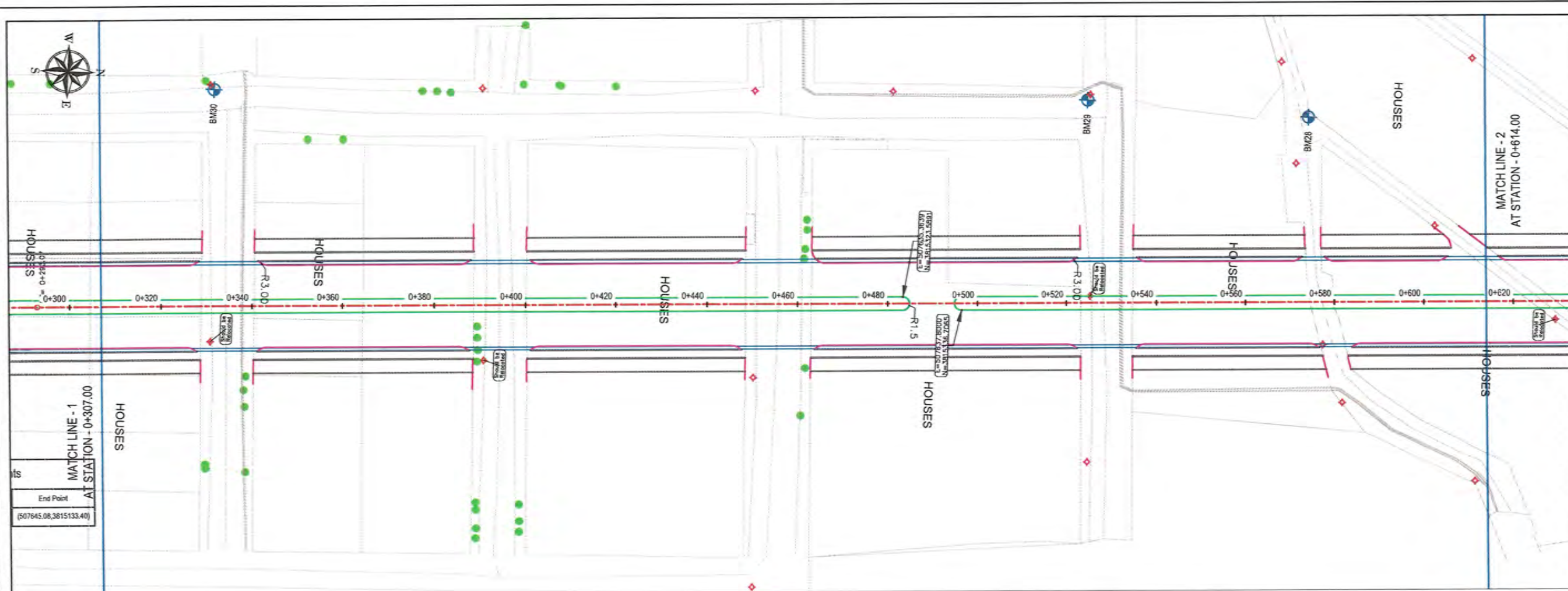
DATE: SCALE: 1:1000

PROJECT CODE:

DRAWING #: 70F10



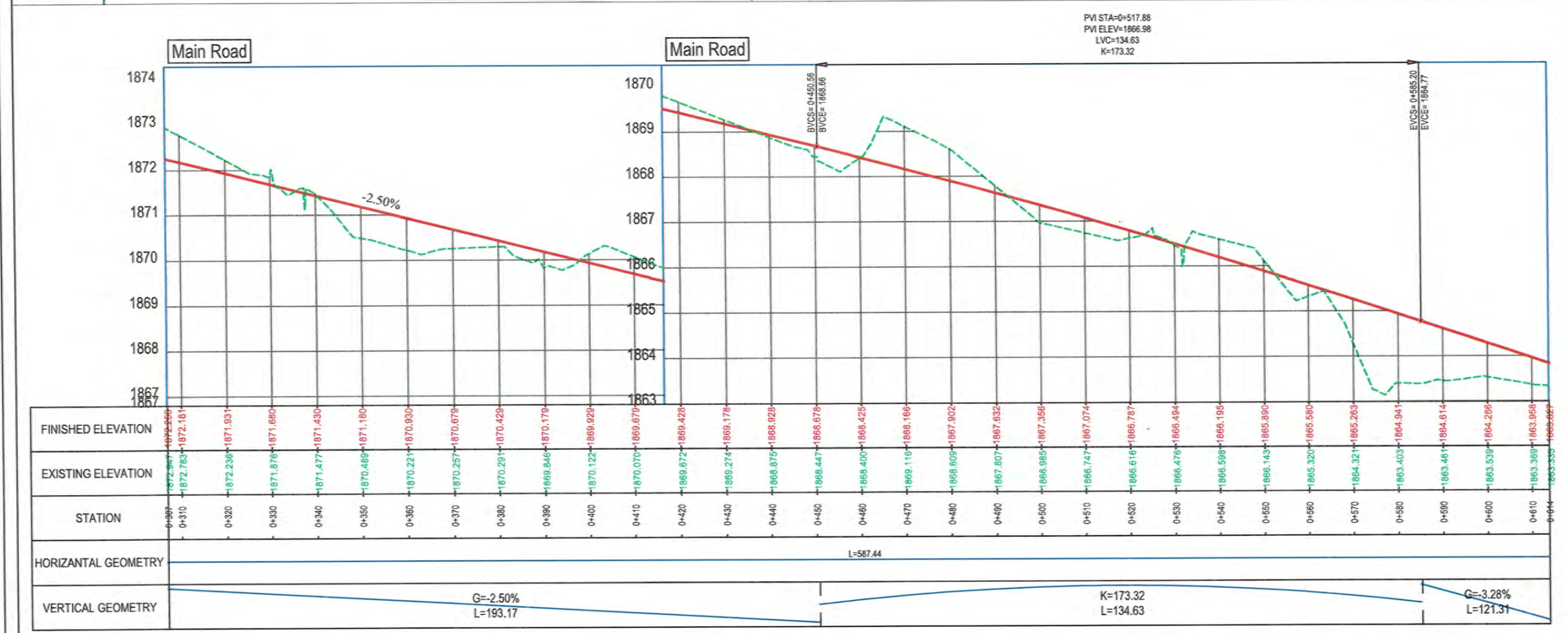




NOTE:
1. All dimensions are in meters unless otherwise indicated.

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
PLAN & PROFILE

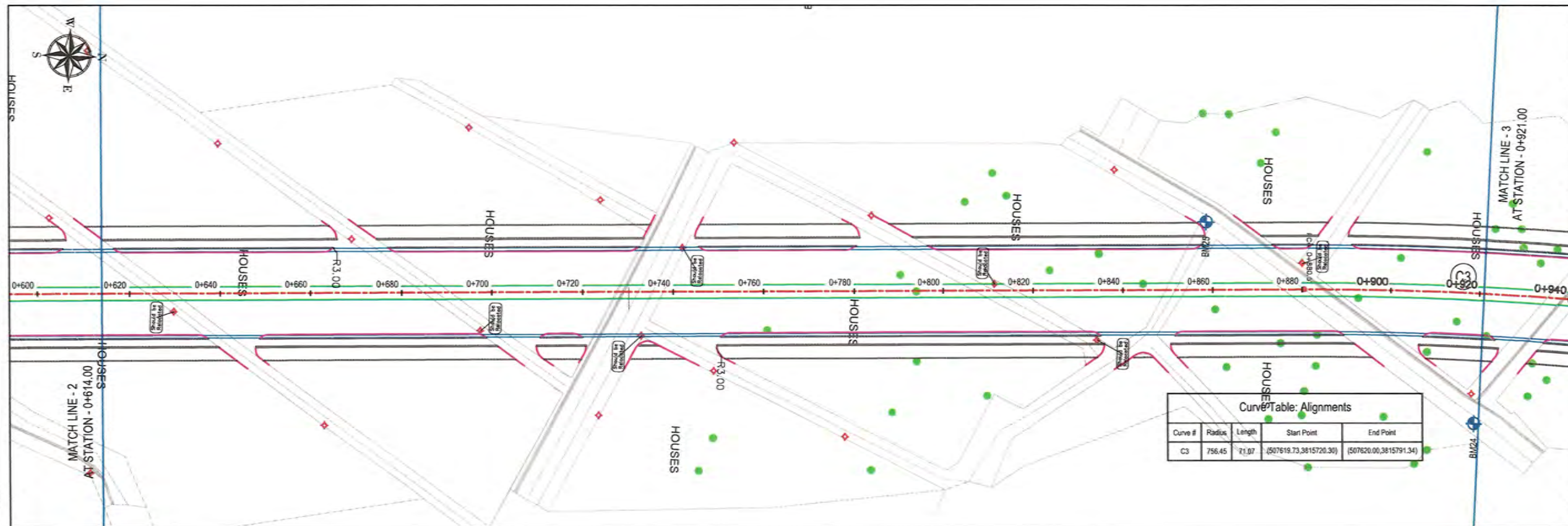
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hussein Shahri	Signature:

Date: 11/18/2024 Scale: 1:1000

Status: **FINEL DESIGN**

Project Code:

SHIET NO. MR-PP (1) Revision: 01

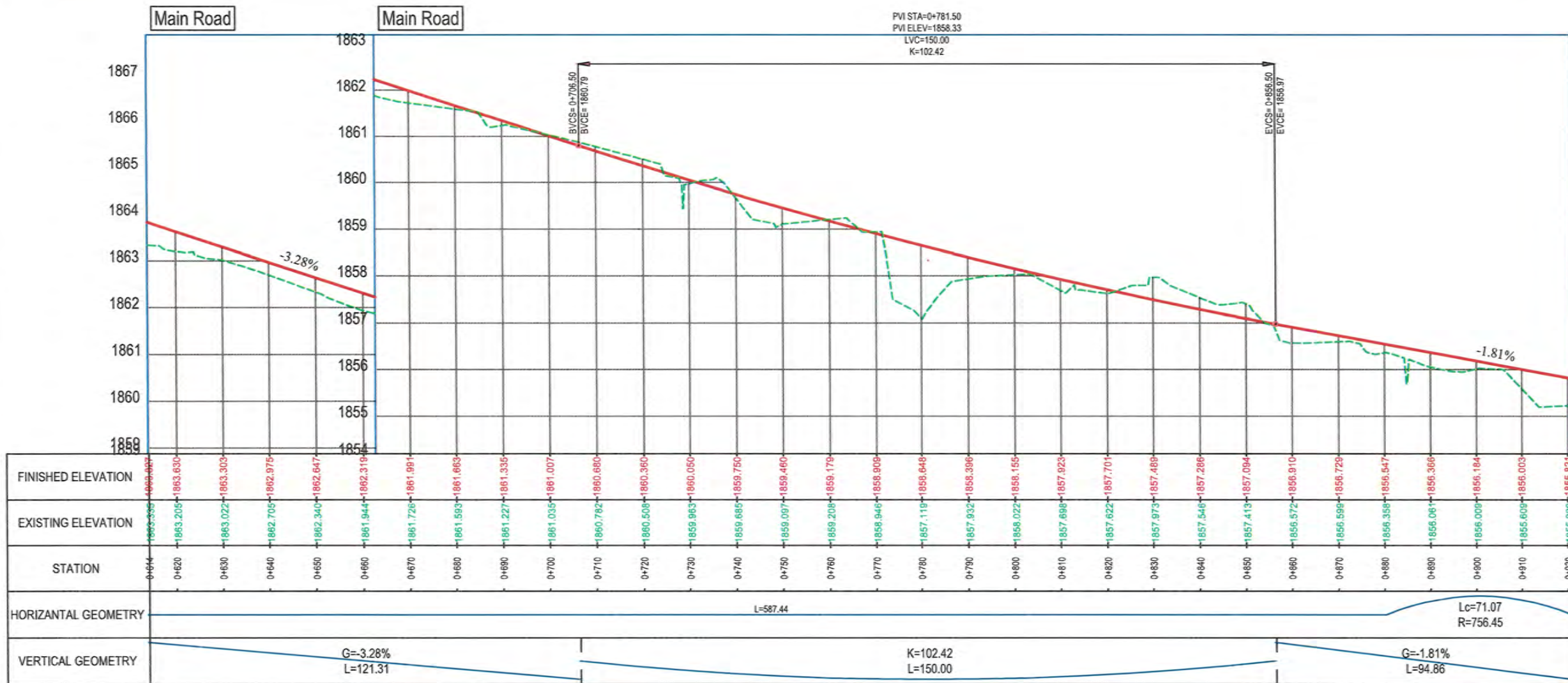


NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

Project Name: Nakhla to Omid-e-Sabz Road Project

Drawing Title: PLAN & PROFILE

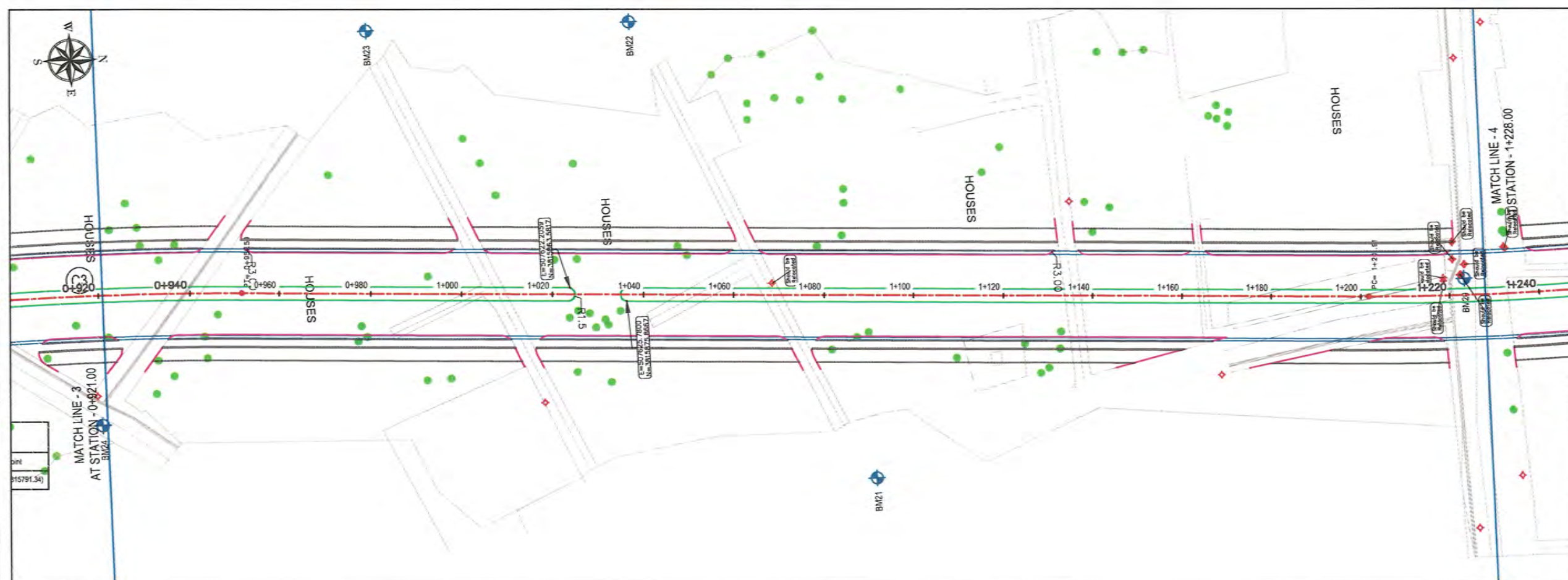
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi

Date: 11/18/2024
Scale: 1:1000

Status: FINAL DESIGN

Project Code: MR-PP (2)

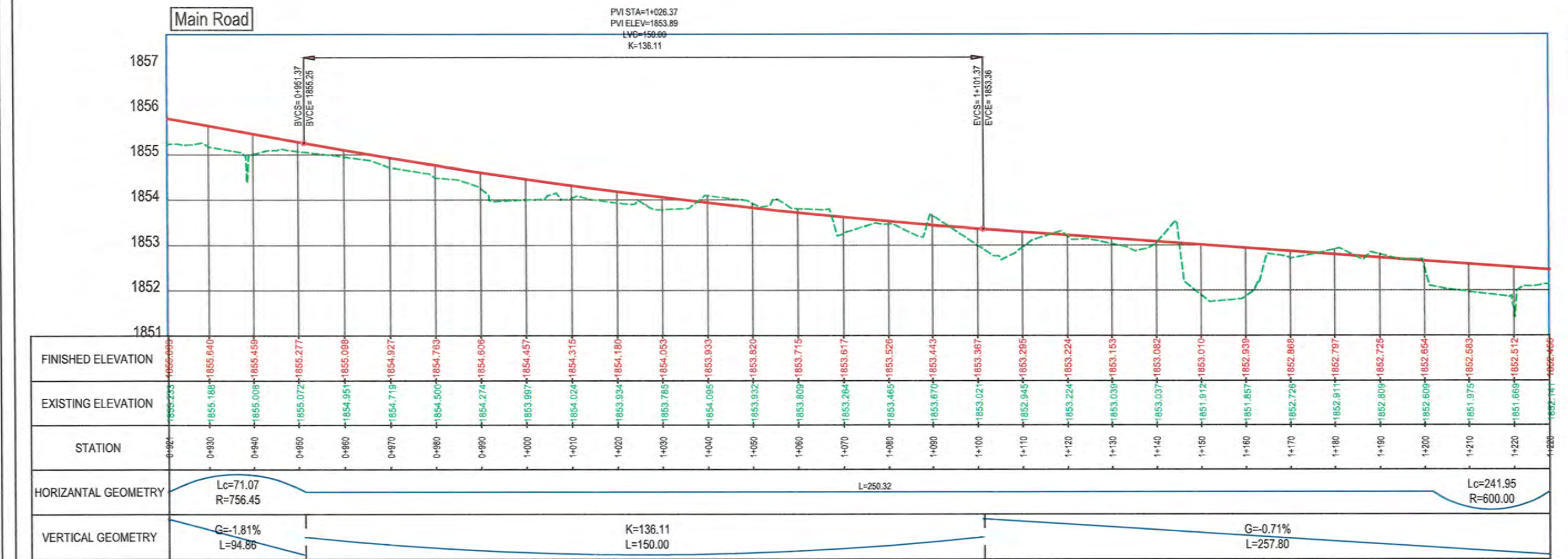
SHEET NO. 01



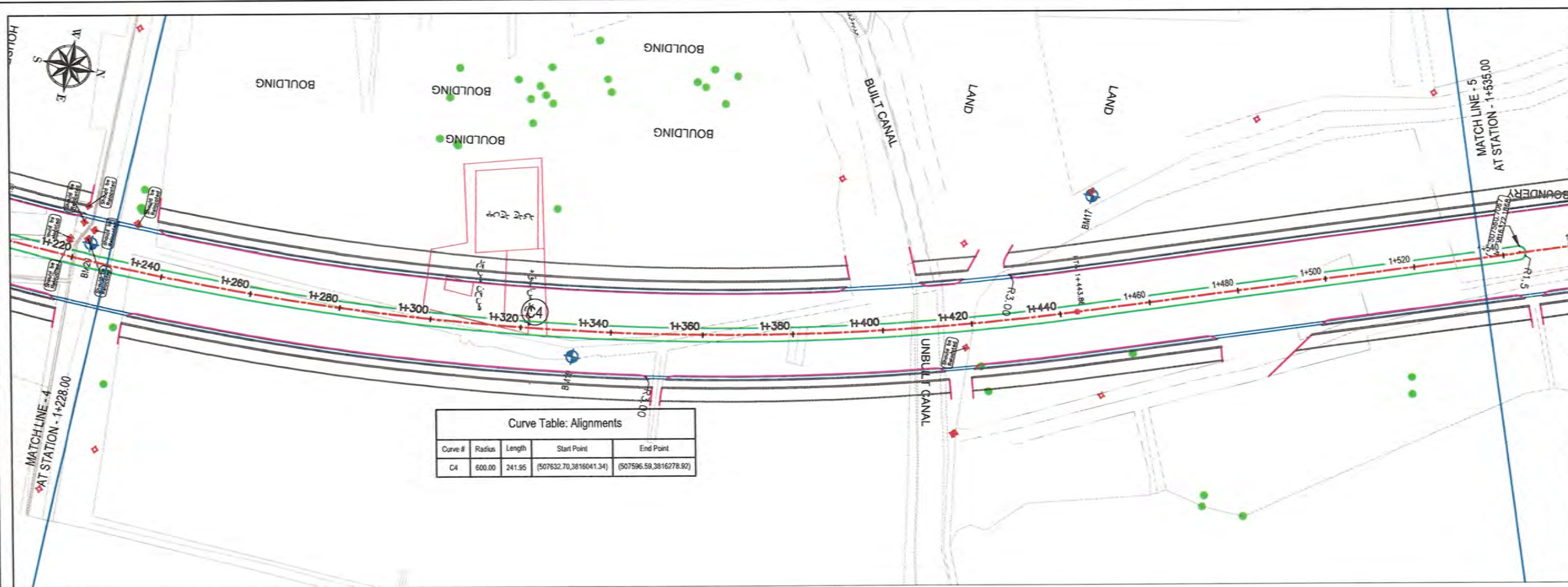
NOTE:
1. All dimensions are in meters unless otherwise indicated.

LEGENDS

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

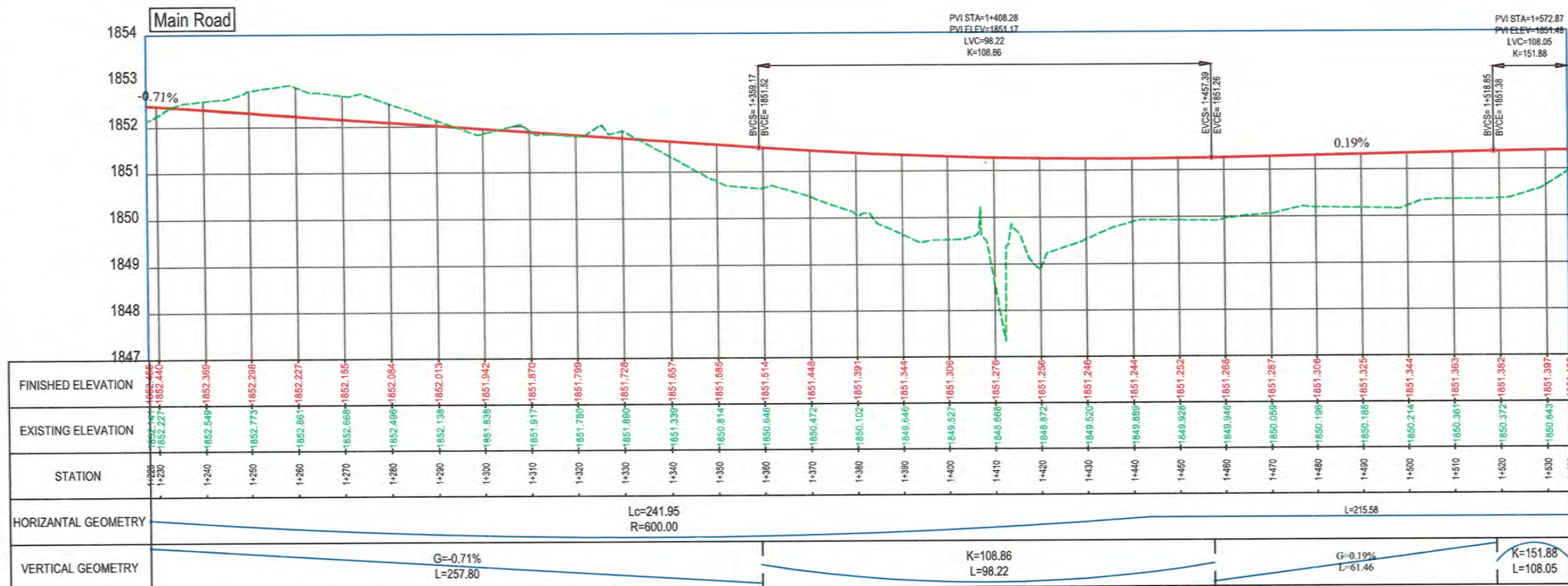


Rev.	Date	Revision Details	Drawn	Chkd	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By: KABL MUNICIPALITY DESIGN TEAM					
Project Name: Nakhlas to Omid-e-Sahz Road Project					
Drawing Title: PLAN & PROFILE					
Drawn: M.Ali Dawlatzade			Signature:		
Designed: M.Ali Dawlatzade			Signature:		
Checked: Husein Shalizi			Signature:		
Date: 11/18/2024			Scale: 1:1000		
Status: FINAL DESIGN			Project Code:		
SHEET NO. MR-PP (3)			Revision 01		



Curve Table: Alignments

Curve #	Radius	Length	Start Point	End Point
C4	600.00	241.95	(507632.70, 3816041.34)	(507596.59, 3816278.92)



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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
PLAN & PROFILE

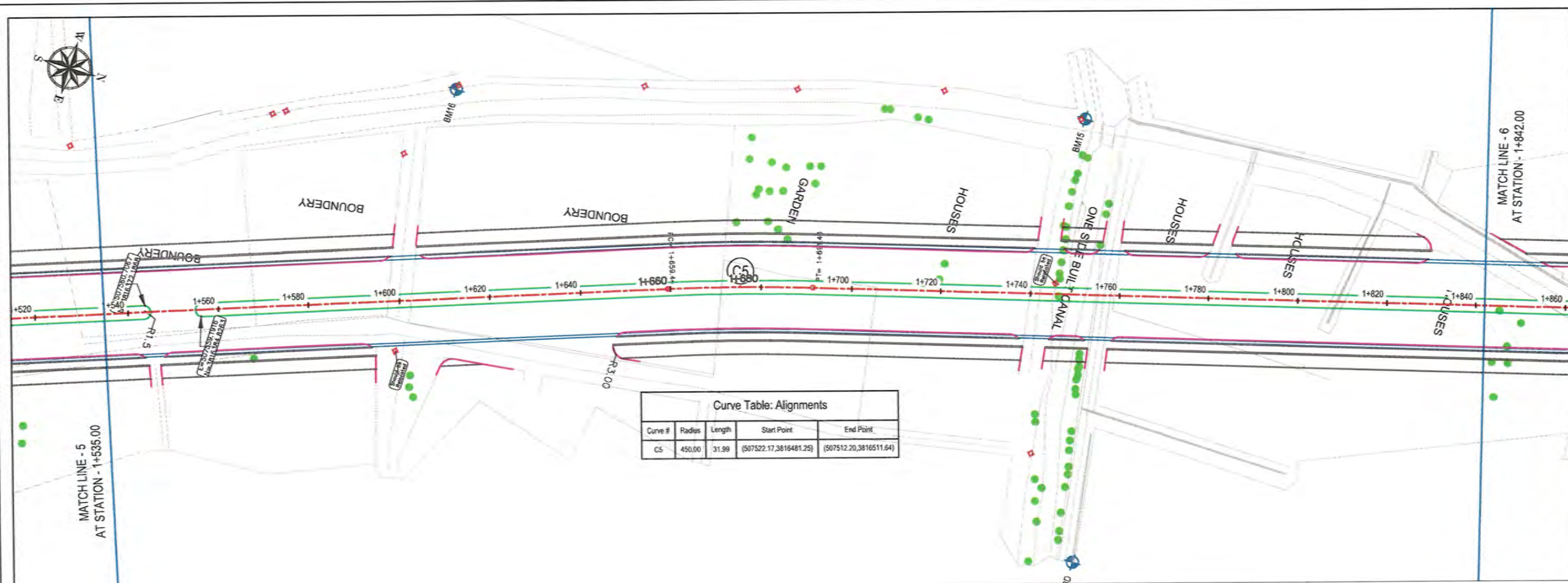
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hasbullah Shalizi

Date: 11/18/2024
Scale: 1:1000

Status: FINAL DESIGN

Project Code:

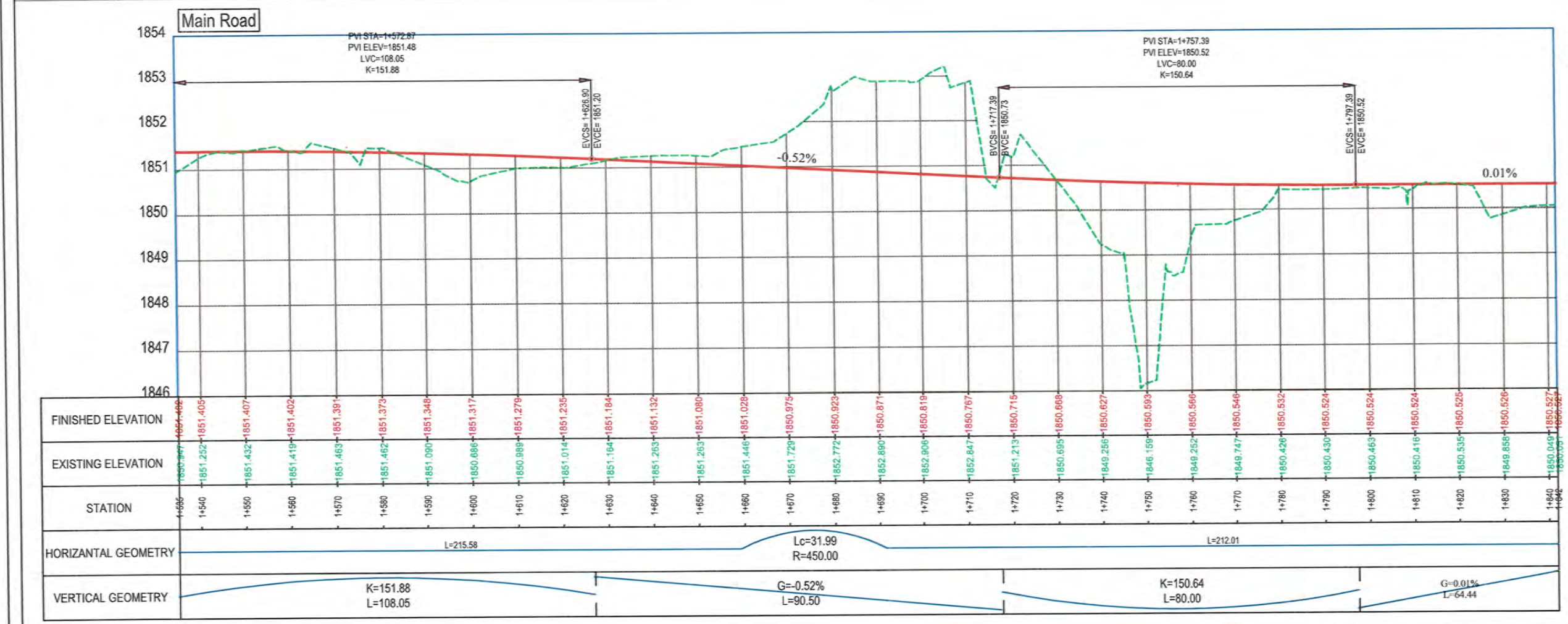
SHEET NO. MR-PP (4)
Revision 01



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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name: Nakhas to Omid-e Sahz Road Project

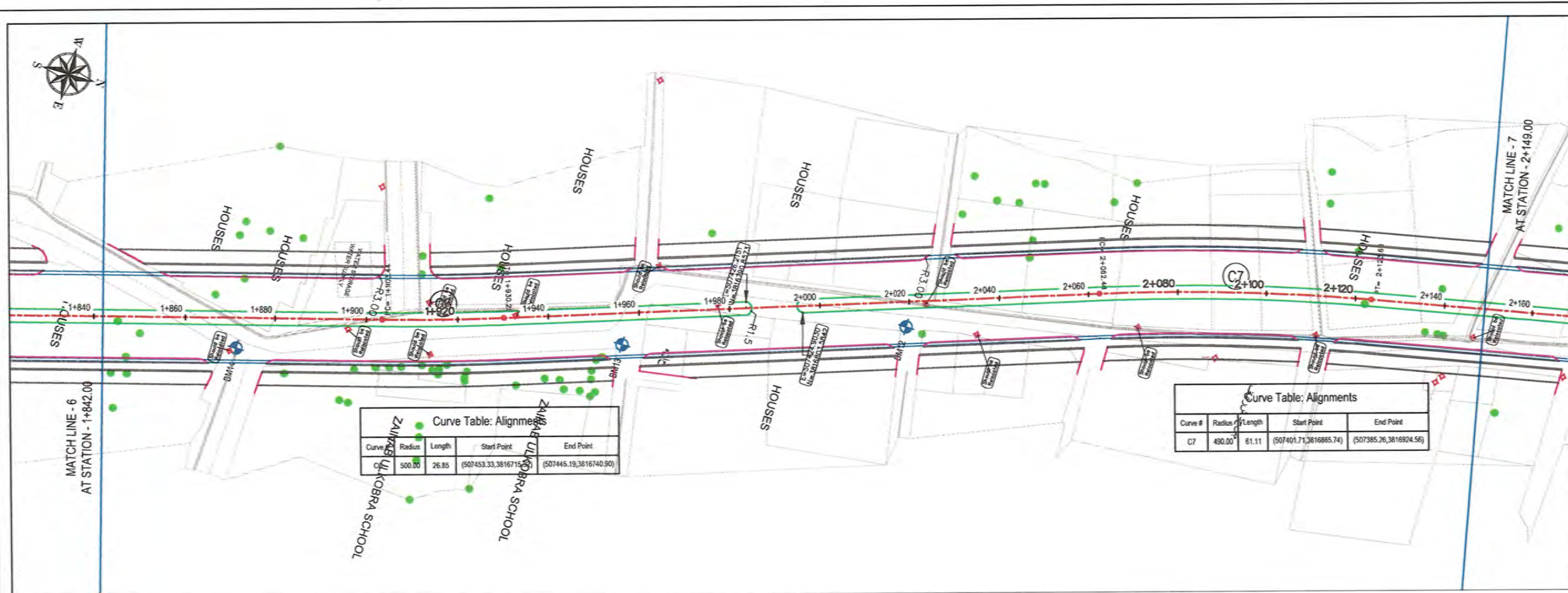
Drawing Title: PLAN & PROFILE

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi

Date: 11/18/2024
Scale: 1:1000

Status: FINAL DESIGN

Project Code:
SHEET NO. MR-PP (5) Revision 01



Curve Table: Alignment

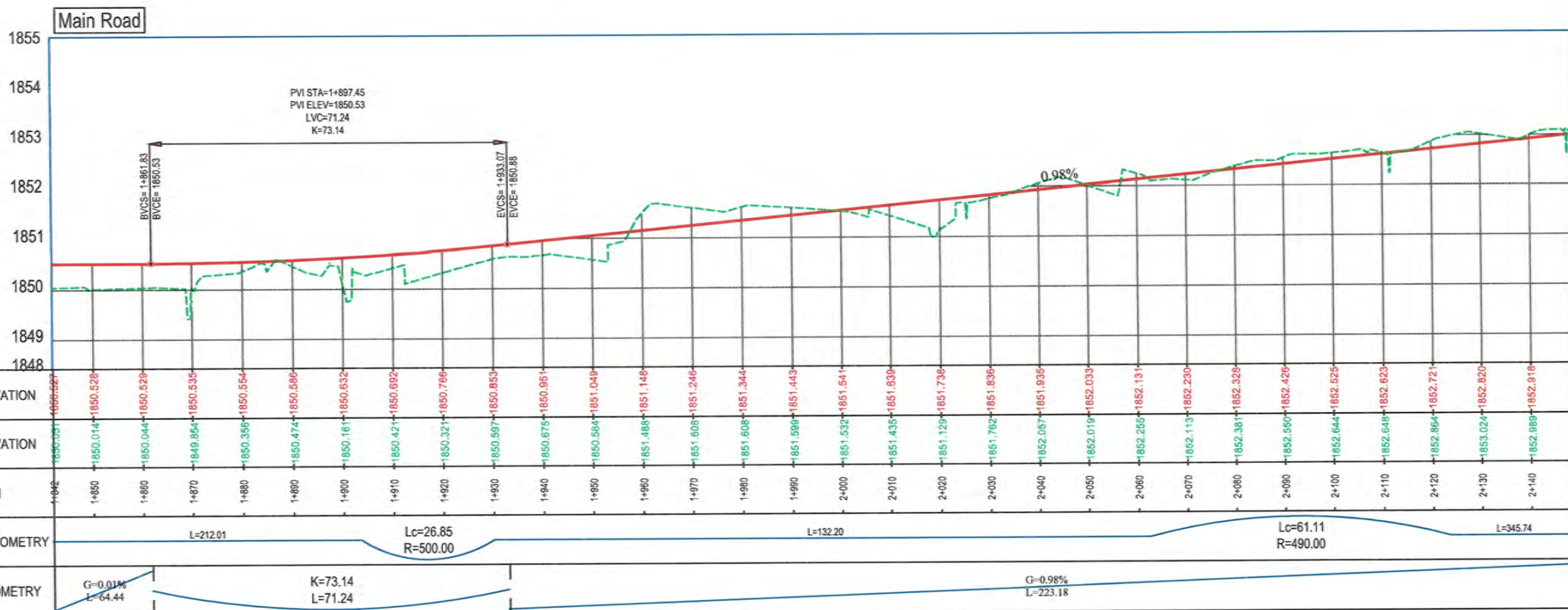
Curve	Radius	Length	Start Point	End Point
C7	500.00	26.85	(507453.33, 381671.5)	(507445.19, 3816740.90)

Curve Table: Alignments

Curve #	Radius	Length	Start Point	End Point
C7	490.00	61.11	(507401.71, 3816885.74)	(507385.26, 3816924.56)

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
PLAN & PROFILE

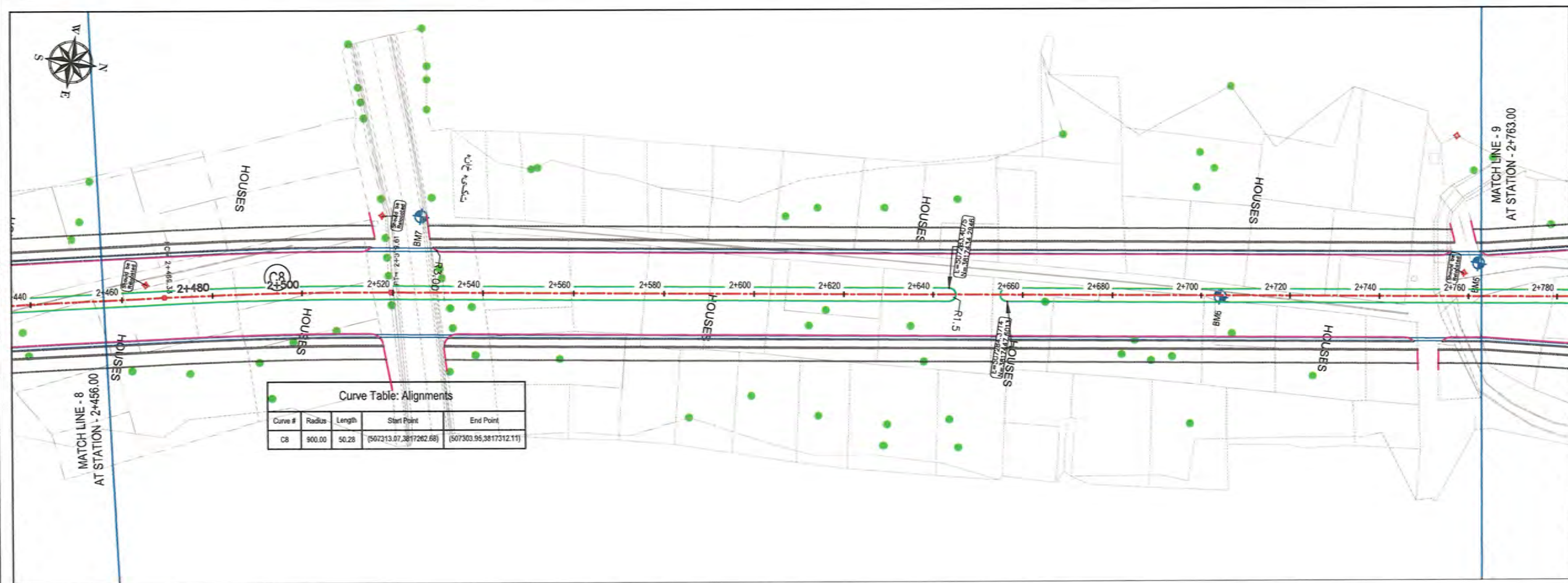
Drawn: M.Ah Dawlatzada
Designed: M.Ah Dawlatzada
Checked: Habibullah Shalizi

Date: 11/18/2024 Scale: 1:1000

Status: FINAL DESIGN

Project Code

SHEET NO. MR-PP (6) Revision 01

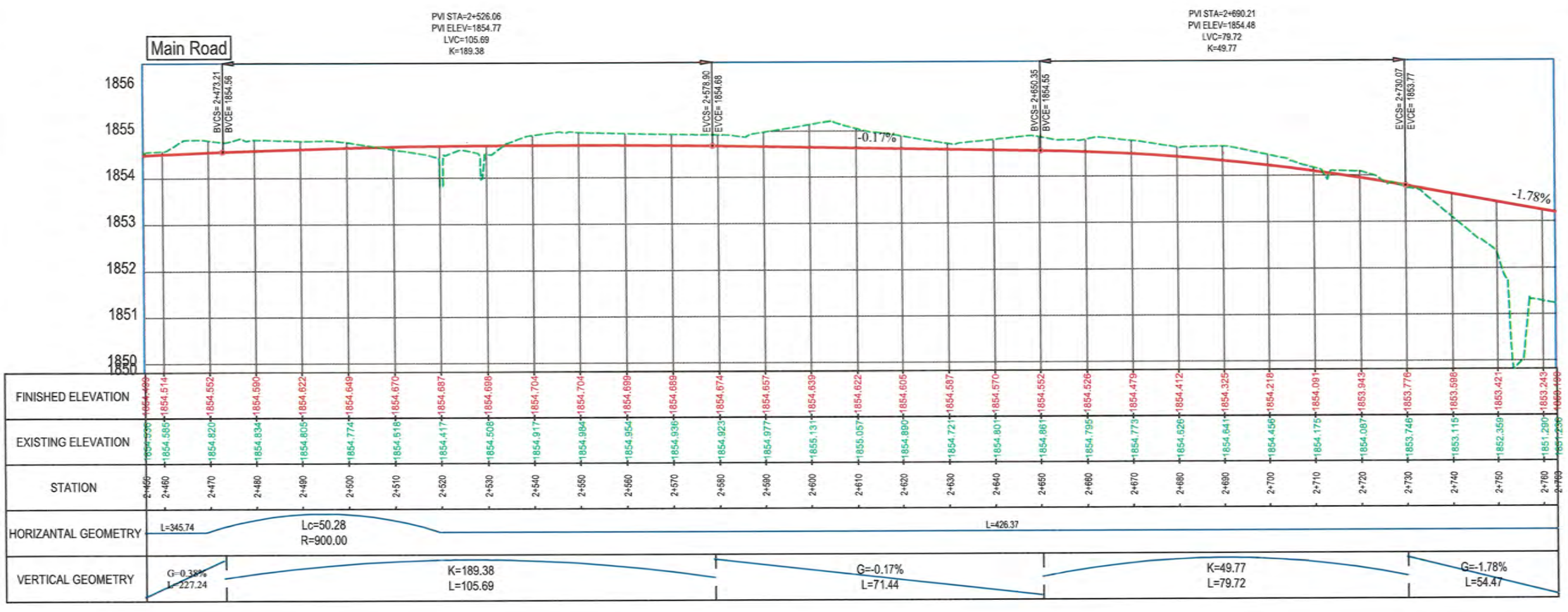


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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:

Project Name: Nakhla to Omid-e Sahz Road Project

Drawing Title: PLAN & PROFILE

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

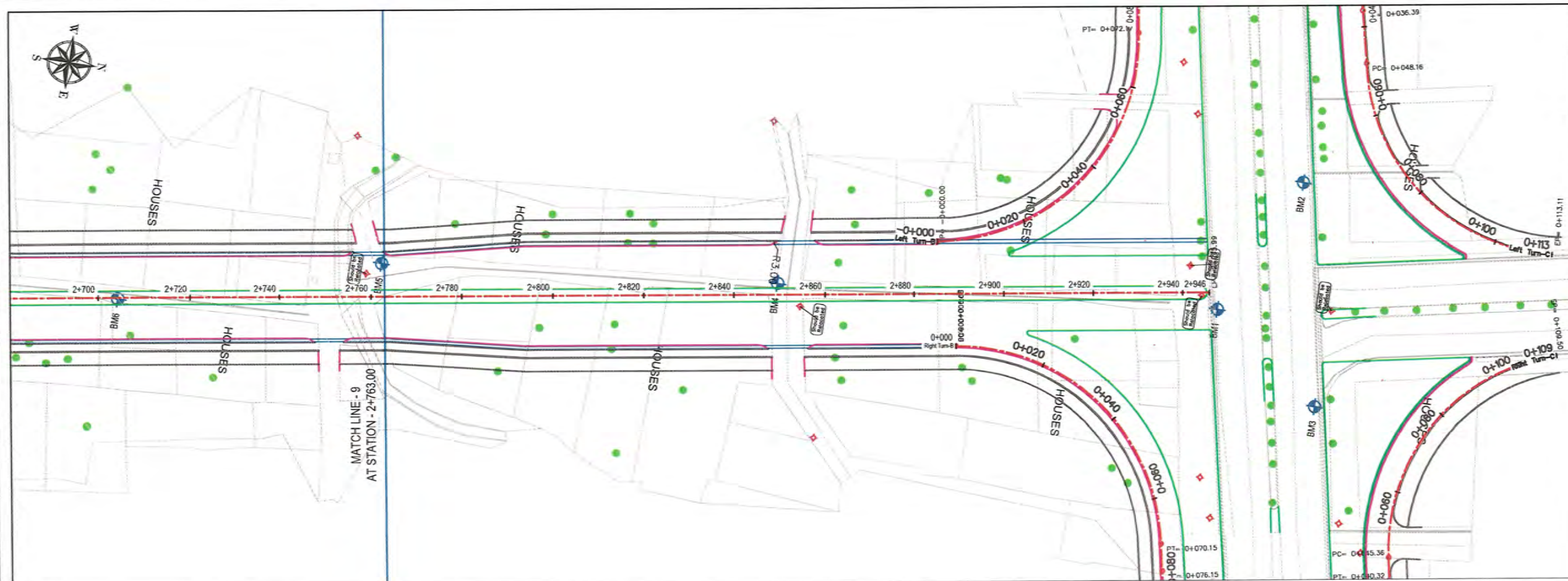
Checked: Habibullah Shalizi Signature:

Date: 11/18/2024 Scale: 1:1000

Status: FINAL DESIGN

Project Code: MR-PP (8)

SHEET NO. 01

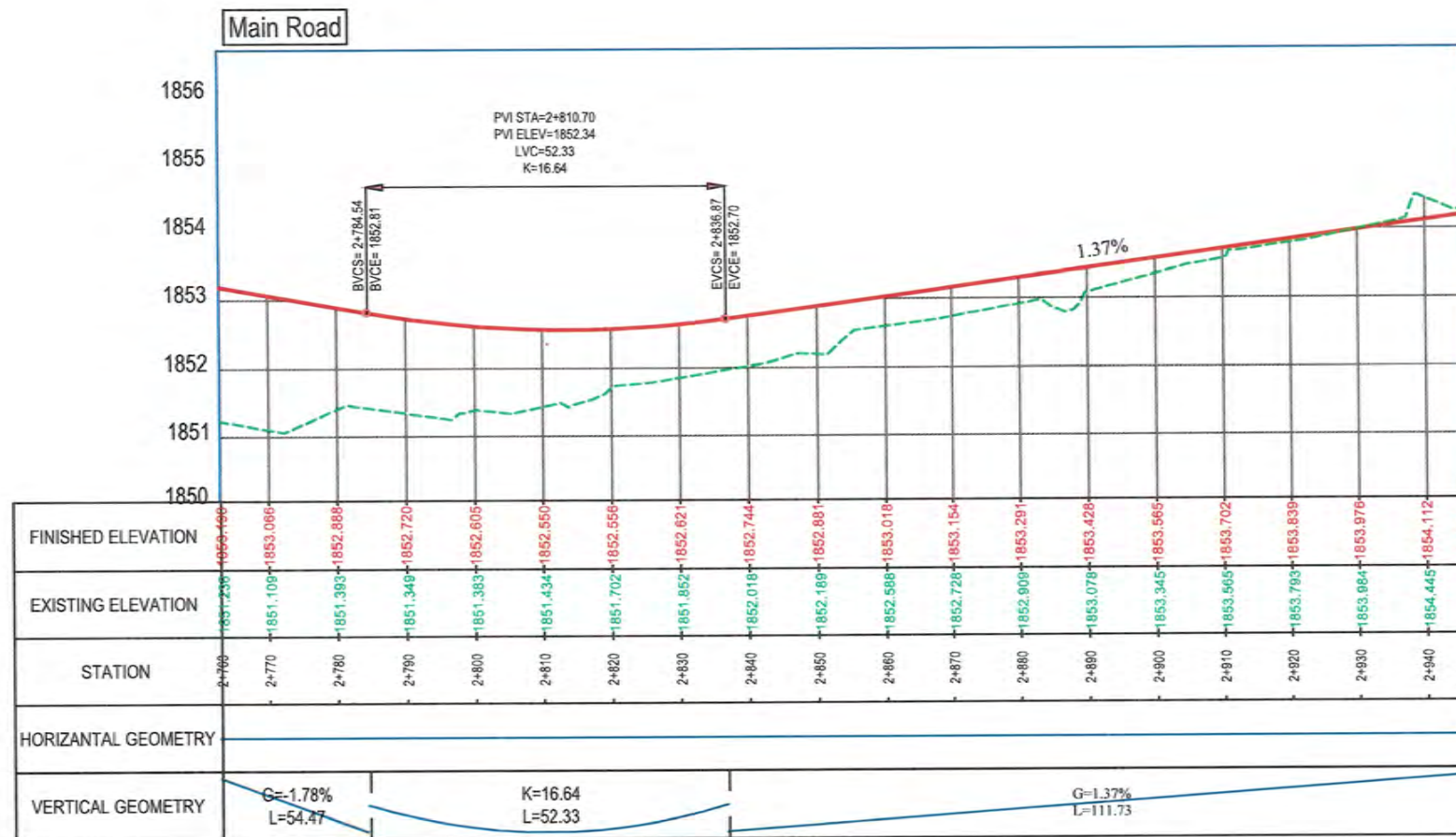


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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:

Project Name: Nakhlas to Omid-e-Sahr Road Project

Drawing Title: **PLAN & PROFILE**

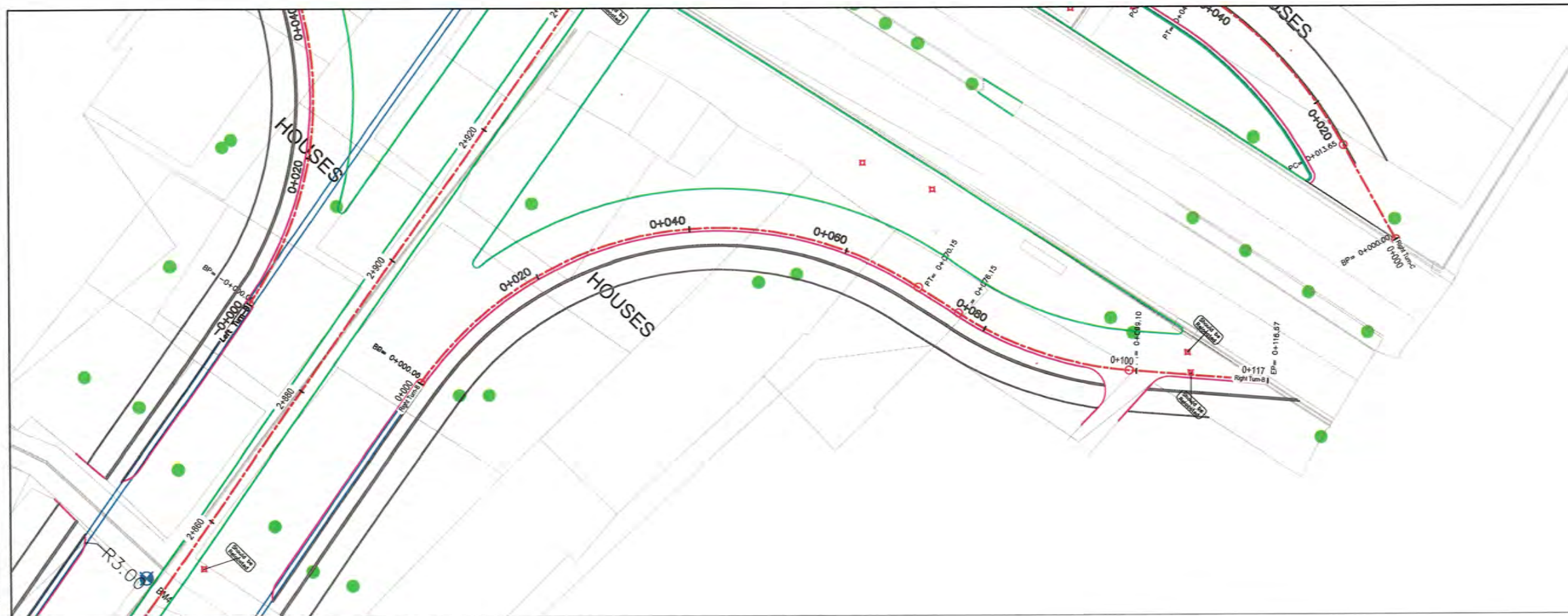
Drawn: MAJI Dawlatzoda	Signature:
Designed: MAJI Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 11/18/2024 Scale: 1:1000

Status: **FINEL DESIGN**

Project Code: **MR-PP (9)**

SHEET NO. **01**

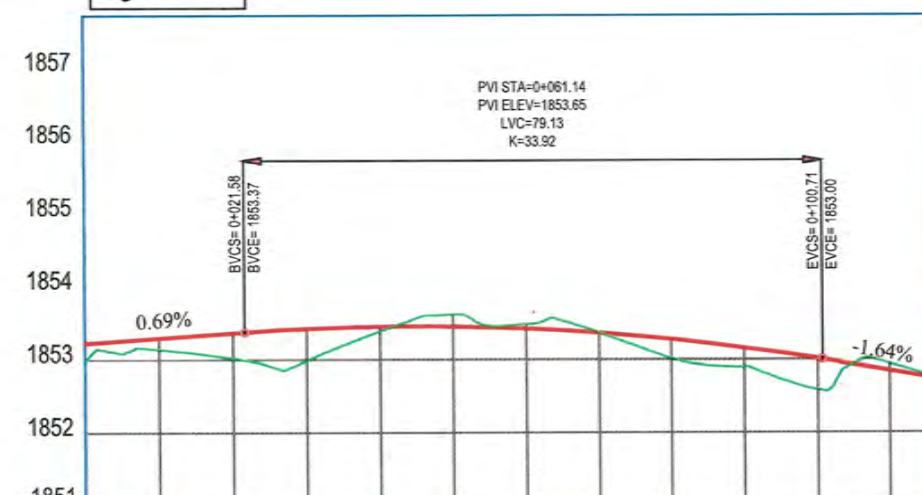


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



Right Turn-B



FINISHED ELEVATION	1853.000	1853.024	1853.364	1853.422	1853.452	1853.452	1853.422	1853.364	1853.275	1853.157	1853.010	1852.846	1852.795
EXISTING ELEVATION	1852.995	1853.144	1853.295	1852.989	1853.386	1853.617	1853.485	1853.373	1853.021	1852.903	1852.596	1852.952	1852.736
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+116.68
HORIZONTAL GEOMETRY	$L=4.06$ $Lc=70.10$ $R=45.34$ $L=6.00$ $Lc=22.95$ $R=46.25$ $L=17.57$												
VERTICAL GEOMETRY	$G=0.69\%$ $L=21.58$ $K=33.92$ $L=79.13$ $G=-1.64\%$ $L=15.96$												

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

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
PLAN & PROFILE

Drawn:
M.Ali Dawlatzade
Signature:

Designed:
M.Ali Dawlatzade
Signature:

Checked:
Hussein Shahzoi
Signature:

Date:
11/18/2024
Scale:
1:1000

Status:
FINEL
DESIGN

Project Code

SHEET NO.
RTB-PP
Revision
01

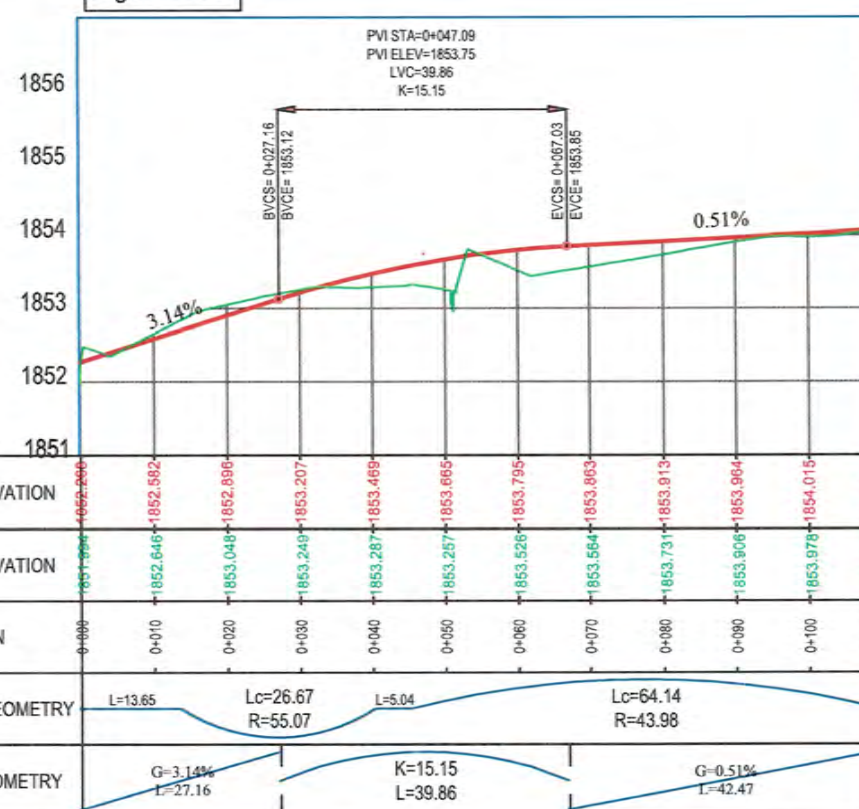


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



Right Turn-C



FINISHED ELEVATION	1852.866	1852.882	1852.896	1853.207	1853.469	1853.665	1853.795	1853.863	1853.913	1853.964	1854.015	1854.066
EXISTING ELEVATION	1851.994	1852.646	1853.048	1853.249	1853.287	1853.257	1853.526	1853.564	1853.731	1853.906	1853.978	1854.066
STATION	0+000	0+010	0+020	0+030	0+040	0+050	0+060	0+070	0+080	0+090	0+100	0+100.466
HORIZONTAL GEOMETRY	L=13.65		Lc=26.67 R=55.07		L=5.04		Lc=64.14 R=43.98					
VERTICAL GEOMETRY	G=3.14% L=27.16		K=15.15 L=39.86				G=0.51% L=42.47					

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

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

PLAN & PROFILE

Drawn: MAJI Dawlatzoda Signature:

Designed: MAJI Dawlatzoda Signature:

Checked: Habibullah Shalizi Signature:

Date: 11/18/2024 Scale: 1:1000

Status: FINEL
DESIGN

Project Code

SHEET NO. RTC-PP 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:
Nakhas to Omid-e-Sabz Road Project

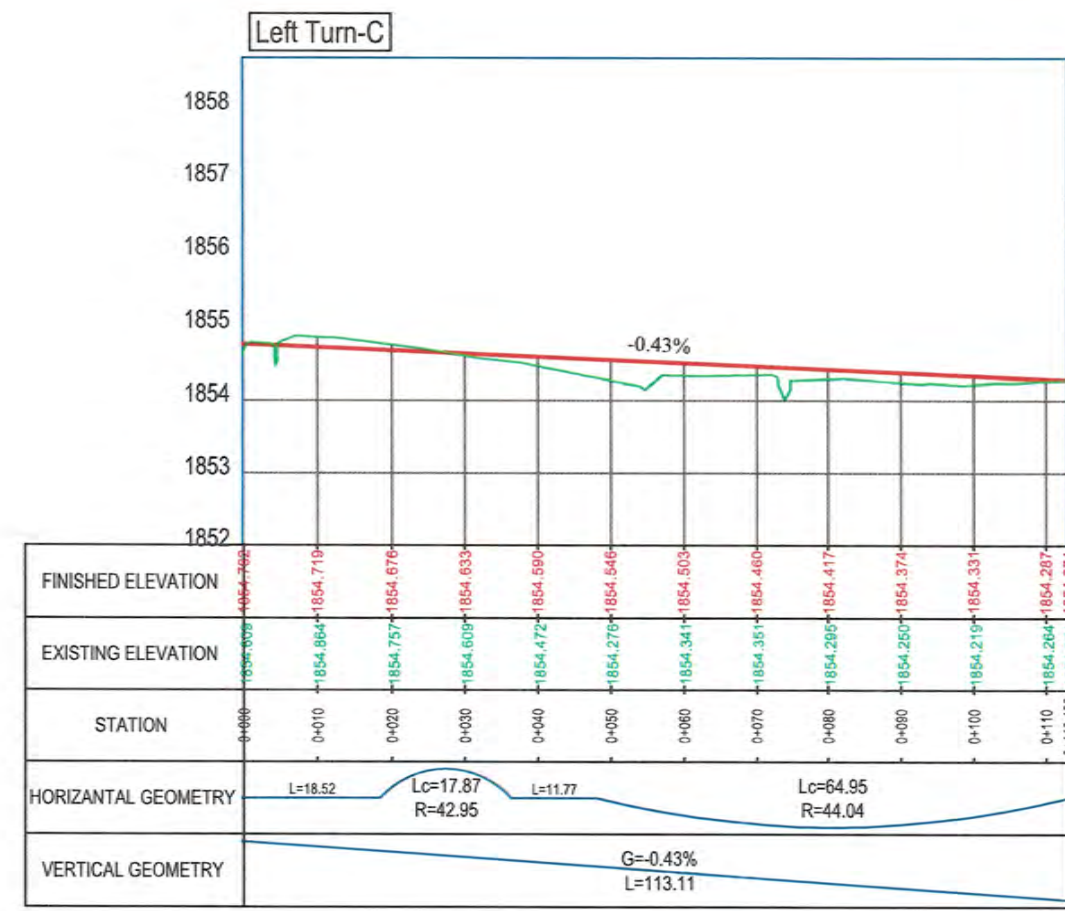
Drawing Title:
PLAN & PROFILE

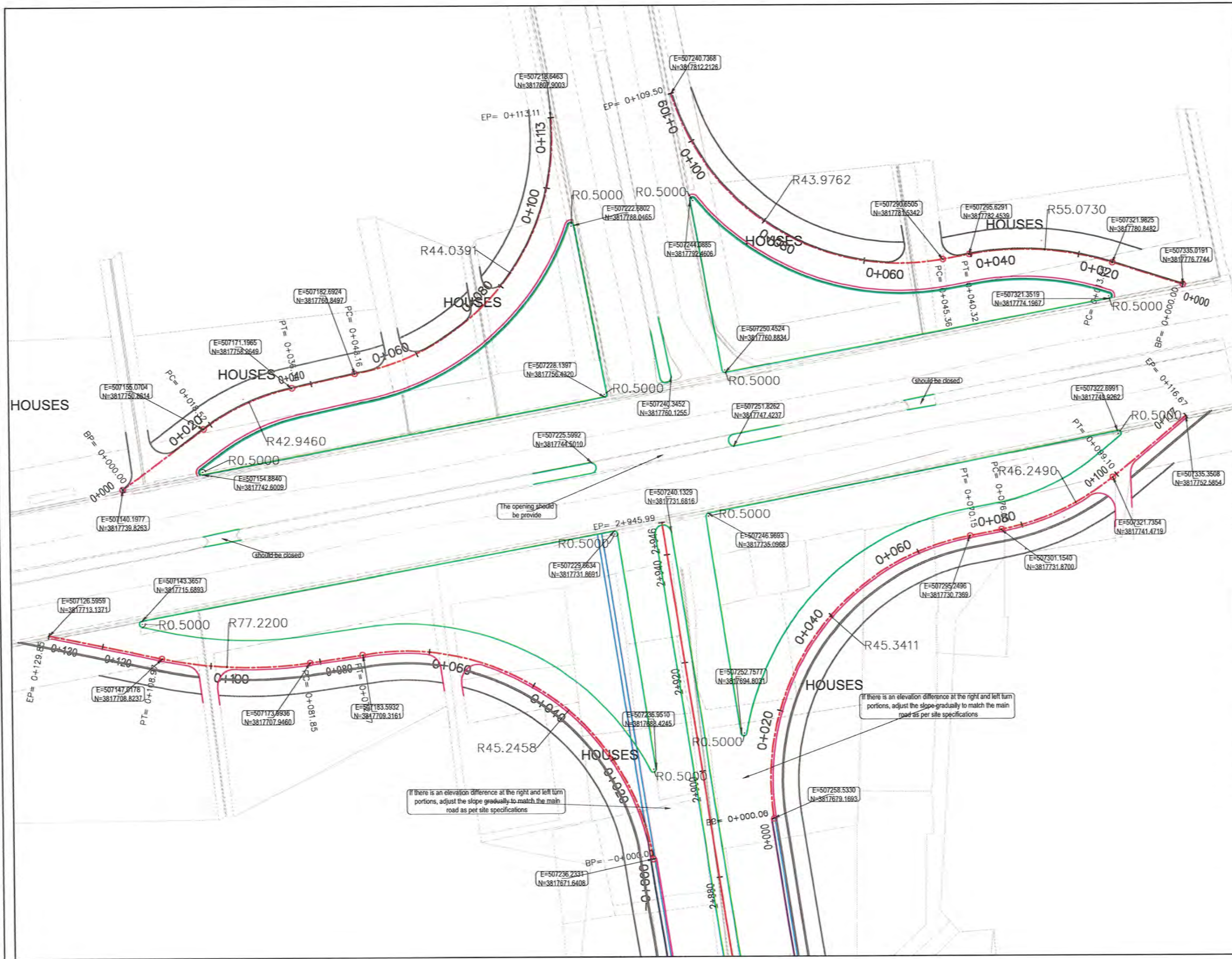
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Husbulah Shalizi	Signature:

Date: 11/18/2024	Scale: 1:1000
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Status:
**FINEL
DESIGN**

Project Code	Revision
SHEET NO. LTC-PP	01





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: Nakhlas to Omid-e-Sahr Road Project

Drawing Title: Detail Plan

Drawn: M.Ali Dawlatzada Signature: _____

Designed: M.Ali Dawlatzada Signature: _____

Checked: Hasbullah Shalizi Signature: _____

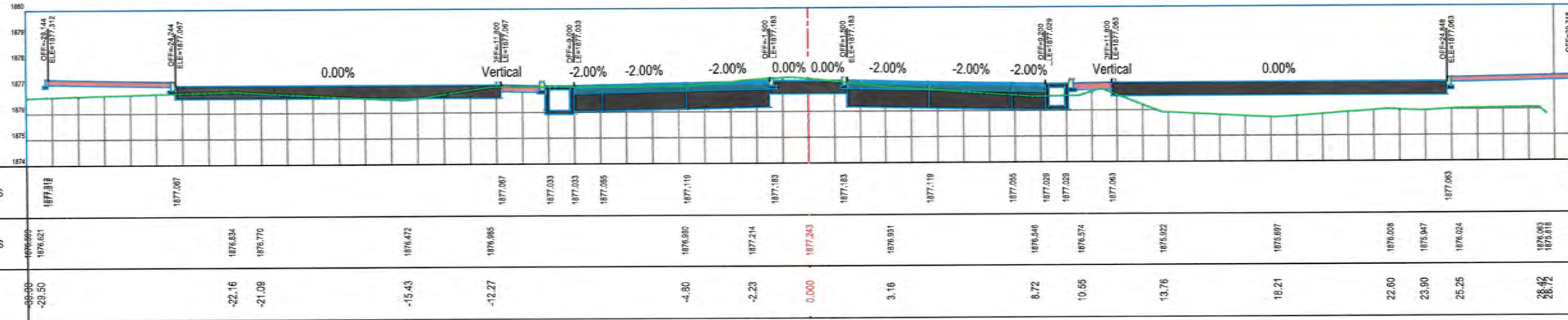
Date: 11/19/2024 Scale: 1:1000

Status: FINAL DESIGN

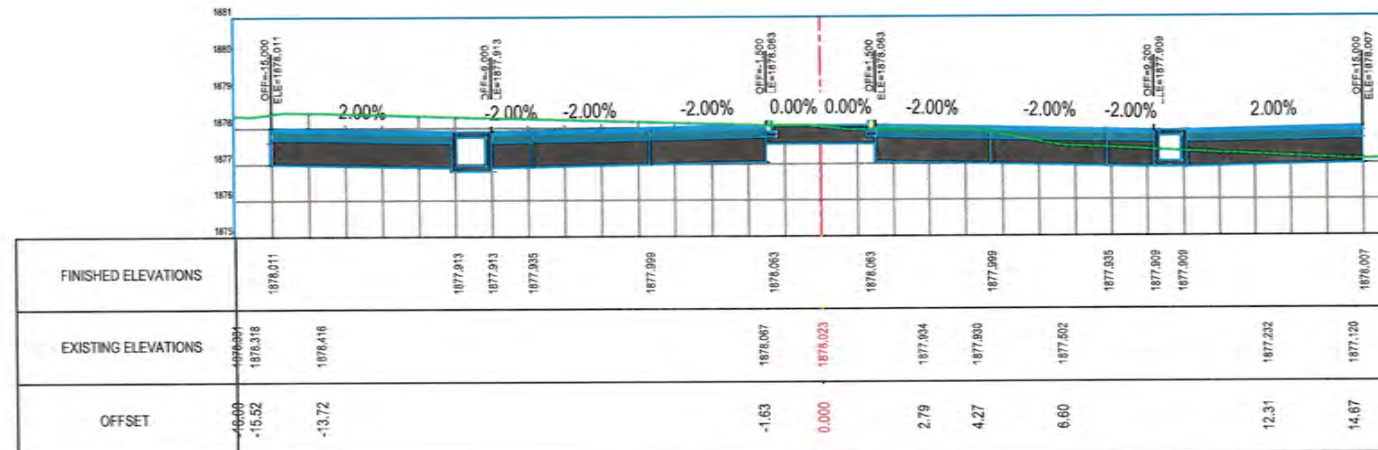
Project Code: _____

SHEET NO. _____ Revision _____

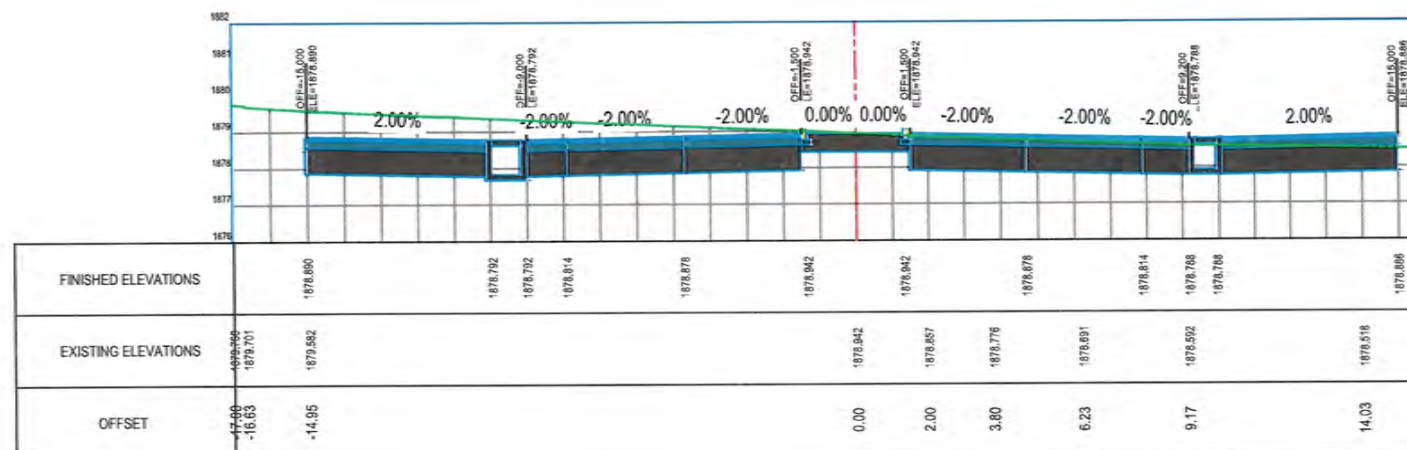
01



STATION=0+040



STATION=0+020



STATION=0+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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Huseinullah Shalizi Signature:

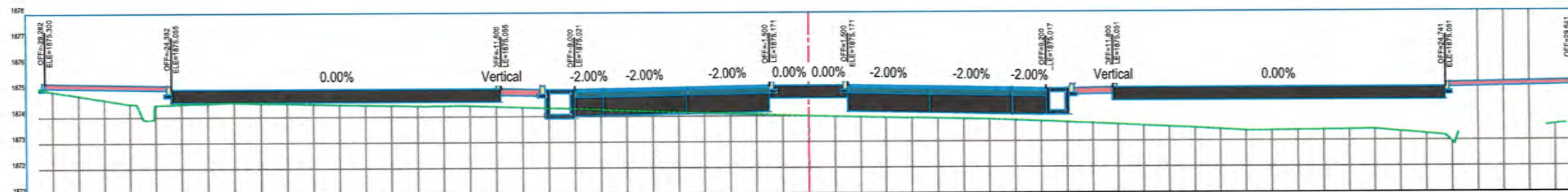
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

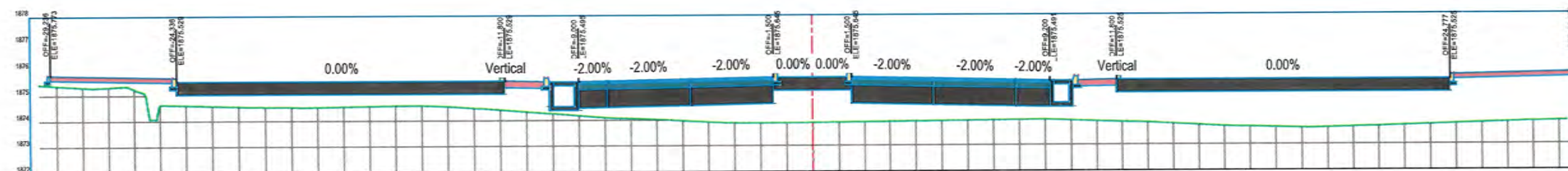
Project Code

SHEET NO. MR-CS - (1) Revision: 01



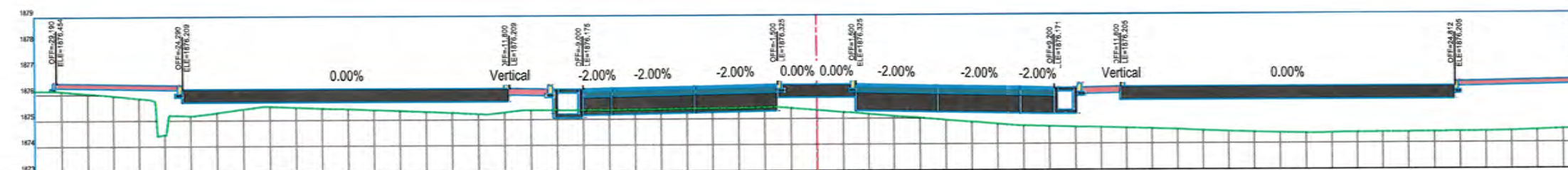
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EXISTING ELEVATIONS	1875.686	1874.491	1874.441	1874.528	1874.444	1874.382	1874.388	1873.995	1873.995	1873.851	1873.786	1873.514	1873.389	1873.406	1873.178	1873.507
OFFSET	-29.52	-25.02	-24.98	-21.71	-18.19	-14.73	-13.25	0.000	0.000	6.38	9.36	14.56	17.10	21.27	24.68	28.71

STATION=0+100



FINISHED ELEVATIONS	1876.373	1875.529	1875.529	1875.495	1875.495	1875.517	1875.581	1875.645	1875.645	1875.645	1875.517	1875.491	1875.491	1875.525	1875.525	1875.789
EXISTING ELEVATIONS	1875.411	1875.289	1875.382	1874.636	1874.547	1874.524	1874.448	1874.099	1873.985	1873.880	1873.871	1873.888	1873.888	1873.687	1873.702	1873.618
OFFSET	-29.65	-27.56	-26.26	-24.90	-21.40	-19.48	-14.85	-13.46	-12.41	-7.82	-4.86	-3.36	-1.45	0.000	9.06	13.02

STATION=0+080



FINISHED ELEVATIONS	1876.464	1876.209	1876.209	1876.175	1876.175	1876.197	1876.261	1876.325	1876.325	1876.325	1876.261	1876.197	1876.171	1876.171	1876.205	1876.460
EXISTING ELEVATIONS	1876.146	1875.150	1874.680	1875.194	1875.546	1875.285	1875.211	1875.374	1875.368	1875.399	1875.467	1874.717	1874.397	1874.540	1874.425	1874.377
OFFSET	-30.60	-29.19	-24.89	-23.83	-21.20	-13.91	-12.61	-11.22	-8.02	-5.20	-1.57	0.000	7.84	12.44	14.36	17.14

STATION=0+060

NOTE:

1. All dimensions are in meters unless otherwise indicated.



Rev	Date	Revision Details	Drawn	Chd	Appd

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

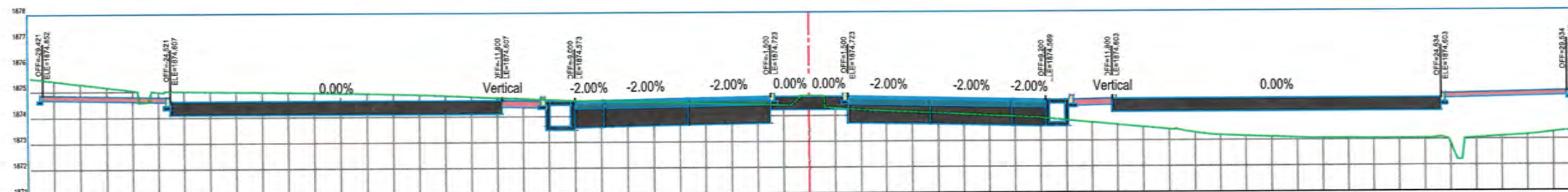
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: **FINAL
DESIGN**

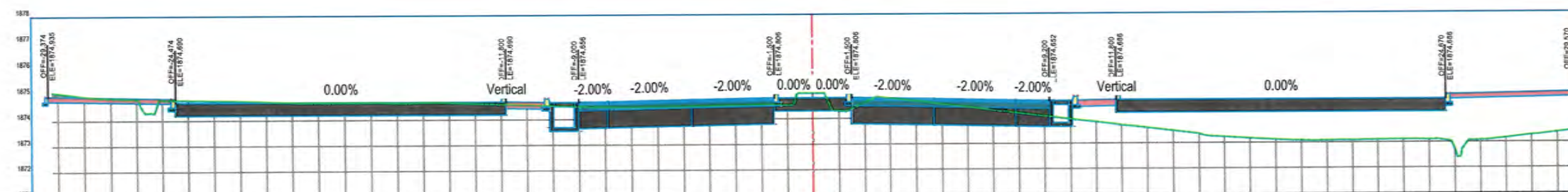
Project Code

SHEET NO. **MR-CS - (2)** Revision **01**



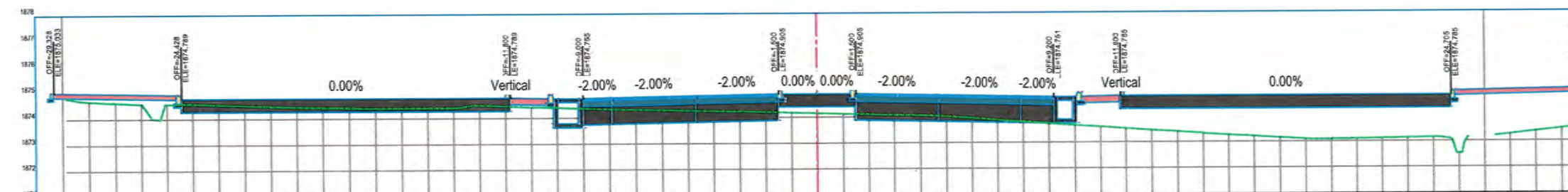
FINISHED ELEVATIONS	1874.888	1874.607	1874.607	1874.573	1874.573	1874.595	1874.609	1874.723	1874.723	1874.609	1874.595	1874.599	1874.599	1874.603	1874.603	1874.648
EXISTING ELEVATIONS	1876.515	1874.555	1874.898	1874.526	1874.825	1874.589	1874.589	1874.746	1874.222	1874.070	1873.907	1873.907	1873.205	1873.047	1873.042	1873.329
OFFSET	-29.55	-25.74	-24.72	-19.15	-14.75	-9.15	0.000	0.000	1.89	5.07	8.76	14.19	15.60	19.64	24.31	28.69

STATION=0+160



FINISHED ELEVATIONS	1874.888	1874.890	1874.890	1874.856	1874.856	1874.878	1874.742	1874.606	1874.606	1874.742	1874.878	1874.852	1874.852	1874.896	1874.896	1874.881
EXISTING ELEVATIONS	1875.580	1874.890	1874.575	1874.701	1874.749	1874.899	1874.671	1874.529	1874.389	1874.524	1873.389	1873.116	1873.008	1873.108	1873.105	1873.492
OFFSET	-29.20	-27.44	-25.86	-24.72	-22.19	-19.76	-17.27	-14.76	-2.02	0.000	1.06	2.52	14.97	17.99	19.46	29.69

STATION=0+140



FINISHED ELEVATIONS	1874.888																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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STATION=0+120

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Huseinullah Shalizi Signature:

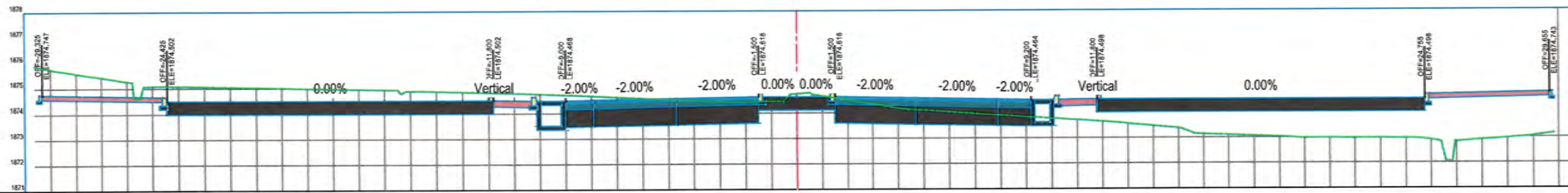
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

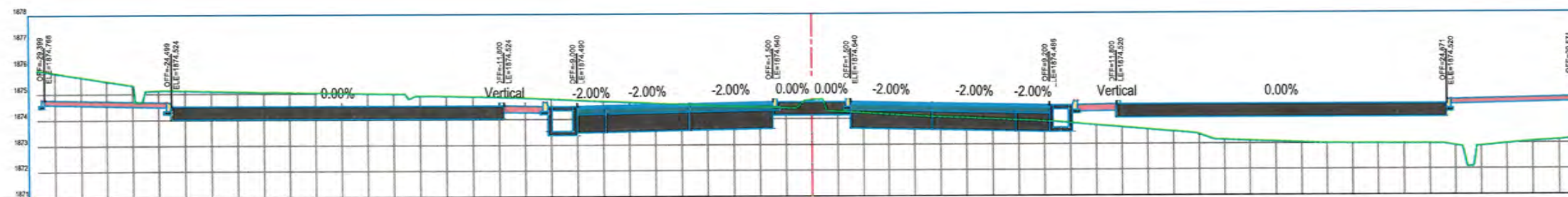
Project Code

SHEET NO. MR-CS - (3) Revision: 01



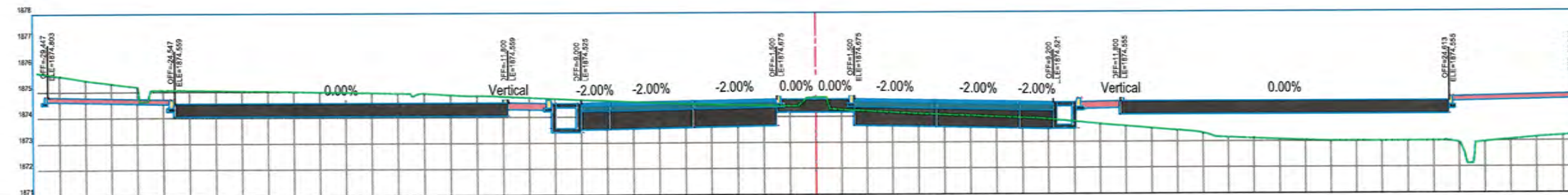
FINISHED ELEVATIONS	1874.518	1874.502	1874.502	1874.488	1874.488	1874.480	1874.554	1874.518	1874.518	1874.554	1874.480	1874.484	1874.484	1874.488	1874.488	1874.488	1874.488
EXISTING ELEVATIONS	1873.885	1873.711	1873.587	1873.575	1874.079	1874.883	1874.755	1874.714	1874.488	1874.309	1874.736	1874.149	1873.595	1873.460	1873.165	1873.005	1872.988
OFFSET	-29.60	-29.79	-25.31	-23.86	-18.83	-14.55	-10.56	-9.39	-2.51	0.00	4.12	12.56	14.04	15.61	19.37	24.10	25.39

STATION=0+184



FINISHED ELEVATIONS	1874.518	1874.524	1874.524	1874.488	1874.488	1874.512	1874.576	1874.640	1874.640	1874.640	1874.576	1874.512	1874.488	1874.488	1874.520	1874.520	1874.518
EXISTING ELEVATIONS	1873.888	1873.707	1873.521	1873.500	1874.888	1874.900	1874.810	1874.584	1874.448	1874.718	1874.088	1873.911	1873.388	1873.150	1873.001	1872.979	1872.872
OFFSET	-29.68	-25.47	-24.26	-15.59	-15.57	-14.42	-11.08	-6.18	-2.56	0.000	4.61	8.55	14.90	15.90	19.78	23.92	25.23

STATION=0+180



FINISHED ELEVATIONS	1874.518	1874.559	1874.559	1874.525	1874.525	1874.547	1874.611	1874.675	1874.675	1874.675	1874.611	1874.547	1874.521	1874.521	1874.555	1874.555	1874.555
EXISTING ELEVATIONS	1873.744	1873.417	1873.629	1873.578	1873.548	1873.889	1874.883	1874.829	1874.826	1874.513	1874.421	1874.743	1874.883	1874.130	1873.981	1873.884	1873.860
OFFSET	-29.81	-27.69	-25.86	-24.80	-22.52	-19.46	-17.13	-15.07	-12.76	-5.65	-1.86	0.000	1.06	3.40	6.75	8.95	11.44

STATION=0+172

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

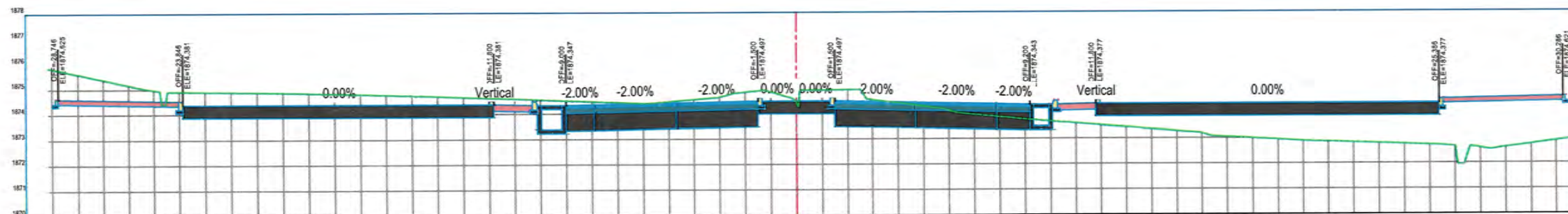
Drawn: M.Ali Dawlatzada
Designed: M.Ali Dawlatzada
Checked: Habibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

Status: FINAL DESIGN

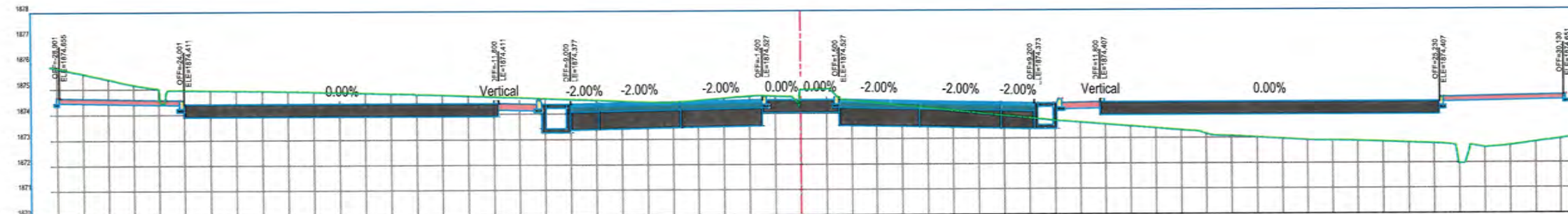
Project Code

SHEET NO. MR-CS - (4)
Revision: 01



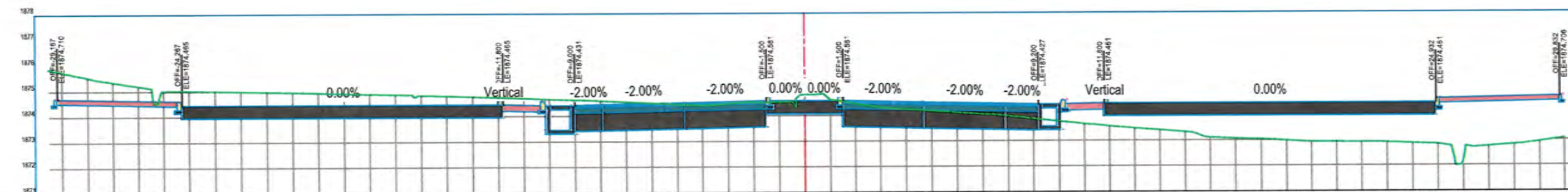
FINISHED ELEVATIONS	1874.888		1874.381		1874.381	1874.347	1874.347	1874.369	1874.433	1874.497	1874.497	1874.433	1874.369	1874.343	1874.343	1874.377		1874.377		1874.881	
EXISTING ELEVATIONS	1875.853		1875.035		1874.974	1874.850	1874.729	1874.709		1874.405	1874.816	1874.881	1874.441	1874.346	1874.176	1873.732	1874.343	1873.211	1872.887	1872.993	1872.808
OFFSET	-29.11		-25.34		-23.83	-19.41	-15.34	-14.21		-5.93	-2.37	-1.09	0.00	2.53	5.80	9.23		15.95	20.39	25.51	28.61

STATION=0+200



FINISHED ELEVATIONS	1874.888		1874.411			1874.411	1874.377	1874.377	1874.389	1874.463	1874.527	1874.527	1874.463	1874.389	1874.373	1874.373	1874.407		1874.407		1874.881		
EXISTING ELEVATIONS	1875.860	1875.179	1874.850	1874.907	1874.881	1874.708	1874.753	1874.719	1874.503	1874.403	1874.686	1874.908	1874.938	1873.876	1873.243	1873.058	1872.881	1872.876	1872.742	1872.588	1872.638		
OFFSET	-29.25	-26.10	-24.04	-20.87	-19.48	-16.10	-14.75	-13.49	-7.40	-5.28	-1.77	0.00	1.08	10.15		15.74	17.13	20.25	21.35	25.30	26.43	27.76	

STATION=0+197



FINISHED ELEVATIONS	1874.718			1874.468			1874.468				1874.517		1874.581	1874.581	1874.581		1874.517		1874.453	1874.427	1874.427		1874.461		1874.718							
EXISTING ELEVATIONS	1875.874	1875.467	1875.130	1875.023	1874.998	1874.844	1874.890		1874.812	1874.738	1874.617		1874.512	1874.315	1874.621	1874.310		1874.006		1873.028	1872.834		1872.854	1872.850	1872.612	1872.842	1873.066					
OFFSET	-29.47	-27.80	-25.44	-24.41	-22.53	-19.59	-17.62		-14.68	-11.95	-8.52		-3.88	-1.72	0.00	1.00	2.96		7.60				12.21		15.32	18.30	20.00	22.79	24.88	25.90	28.34	30.03

STATION=0+190

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

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

Date: 10/29/2024
Scale: 1:200

Status: **FINAL DESIGN**

Project Code:

SHEET NO.: **MR-CS - (5)**
Revision: **01**

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

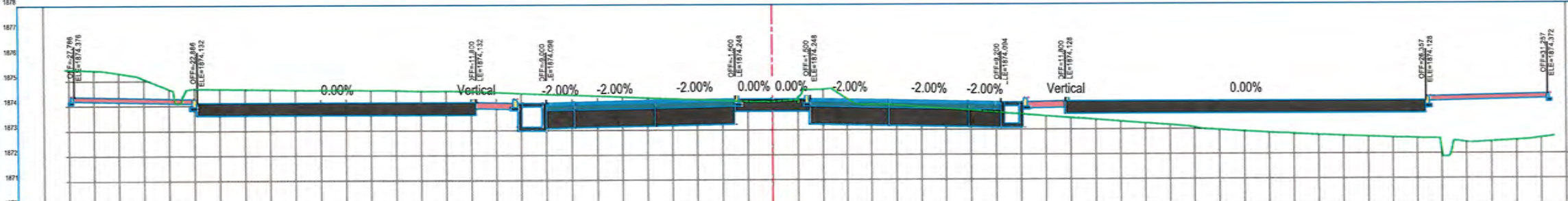
Drawn: M.Ali Dawlatzada	Signature:
Designed: M.Ali Dawlatzada	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024
Scale: 1:200

Status: **FINAL
DESIGN**

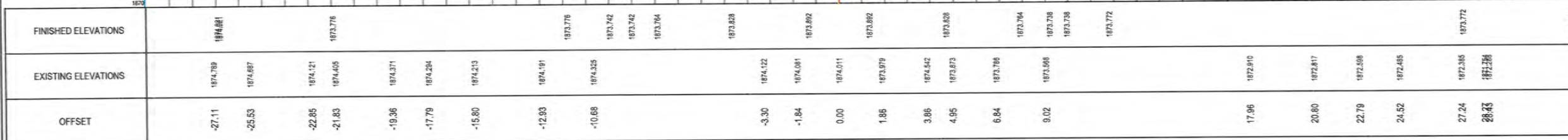
Project Code

SHEET NO. MR-CS - (6)	Revision 01
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FINISHED ELEVATIONS	1874.376	1874.132	1874.132	1874.098	1874.098	1874.120	1874.184	1874.248	1874.248	1874.184	1874.120	1874.094	1874.094	1874.128	1874.128	1874.376
EXISTING ELEVATIONS	1875.408	1875.419	1875.215	1874.891	1874.870	1874.832	1874.621	1874.576	1874.571	1874.129	1874.081	1874.587	1873.991	1873.998	1873.097	1872.894
OFFSET	-28.11	-26.70	-25.30	-22.84	-21.25	-18.72	-15.71	-14.04	-12.34	0.00	1.02	2.37	3.59	4.76	16.95	31.54

STATION=0+220



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: Nakhas to Omid-e-Sahz Road Project					
Drawing Title:					
CROSS SECTION					
Drawn: M.Ali Dawlatzada			Signature:		
Designed: M.Ali Dawlatzada			Signature: _____		
Checked: Hasibullah Shalizi			Signature:		
Checked:			Signature: _____		
Date: 10/29/2024			Scale: 1:200		
FINAL DESIGN					
Project Code					
SHEET NO.					Revision
MR-CS - (7)					

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

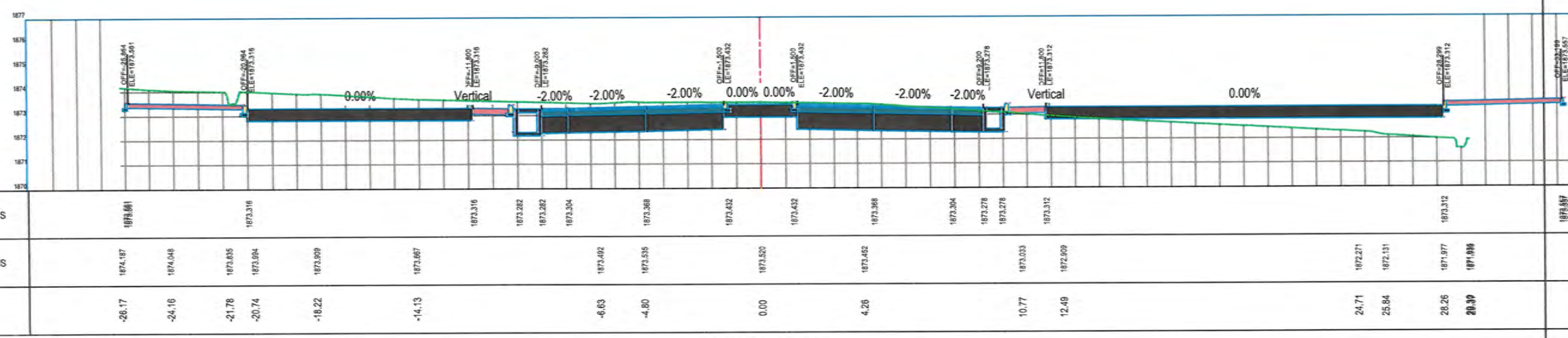
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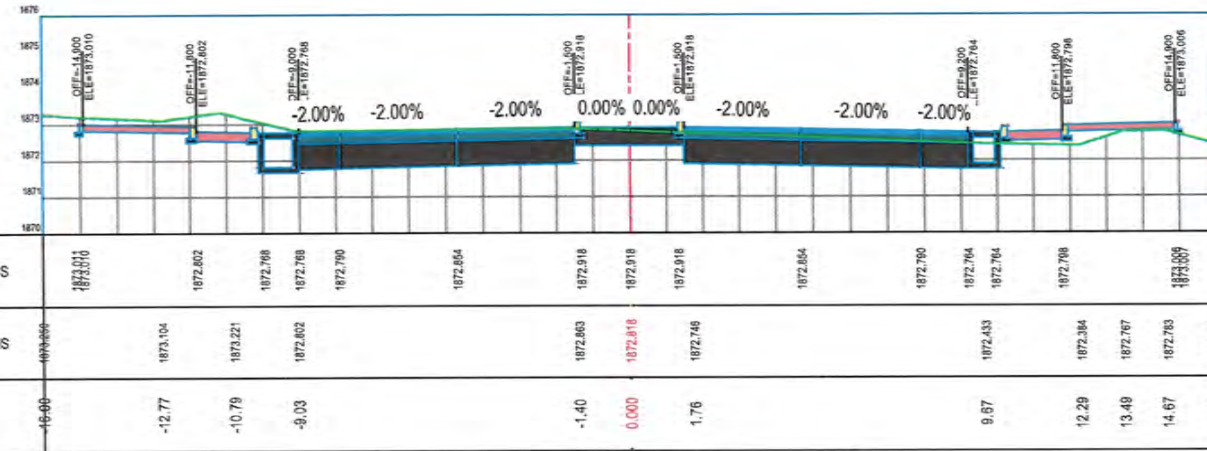
Status: FINAL
DESIGN

Project Code

SHEET NO. MR-CS - (8) Revision: 01



STATION=0+260



STATION=0+281



STATION=0+280



STATION=0+270

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

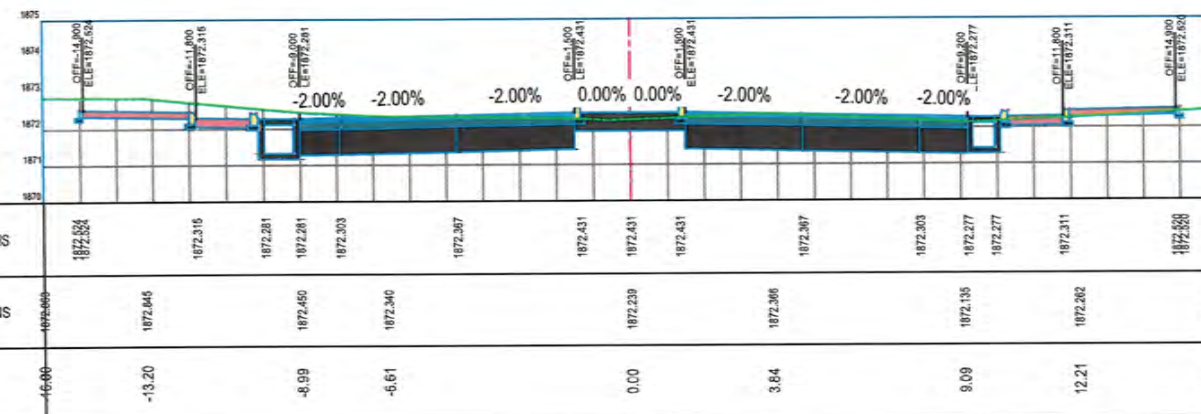
Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

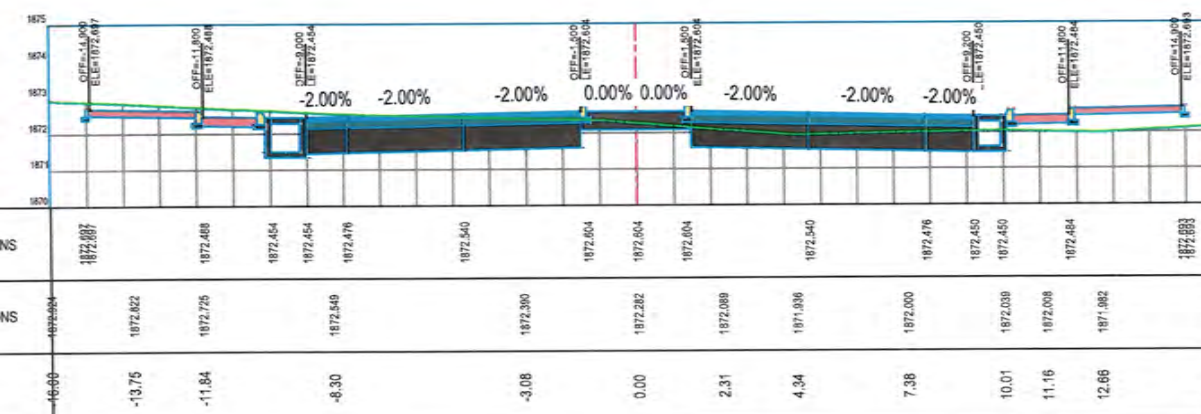
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hasibullah Shalizi
Date: 10/29/2024

Signature: [Signature]
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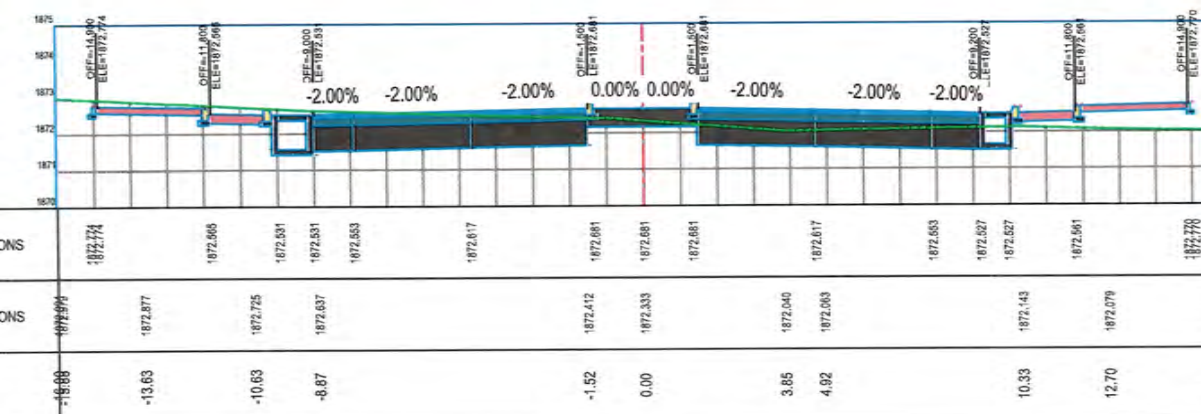
Status: FINAL DESIGN
Project Code: [Blank]
SHEET NO. MR-CS - (9)
Revision: 01



STATION=0+300



STATION=0+293



STATION=0+290

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

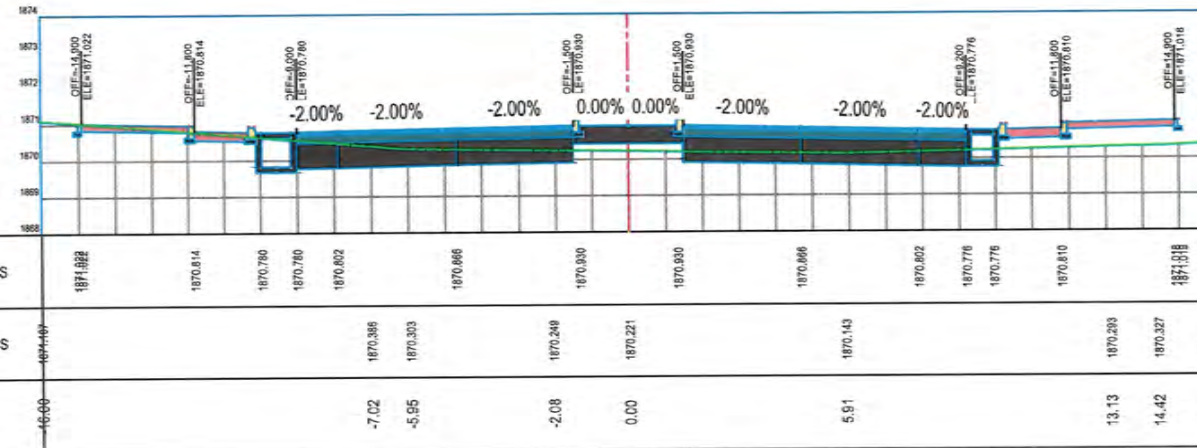
Drawn: M.Ali Dawlatzada
Designed: M.Ali Dawlatzada
Checked: Haidullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

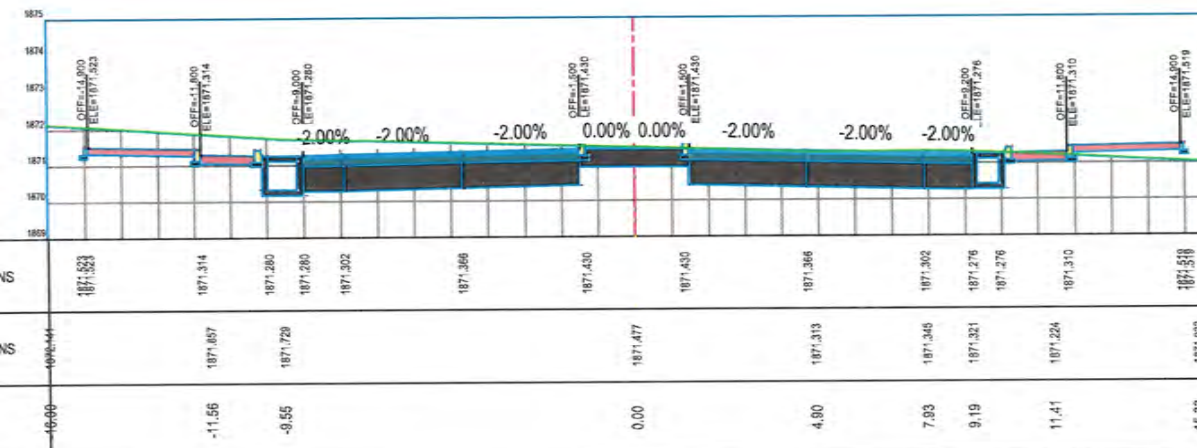
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Project Code

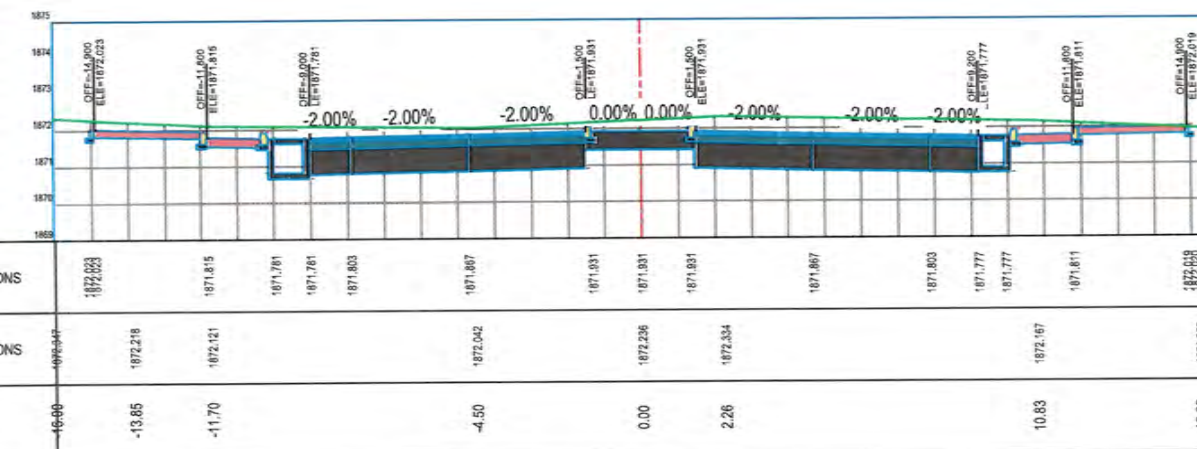
SHEET NO. MR-CS - (10)
Revision: 01



STATION=0+360



STATION=0+340



STATION=0+320

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

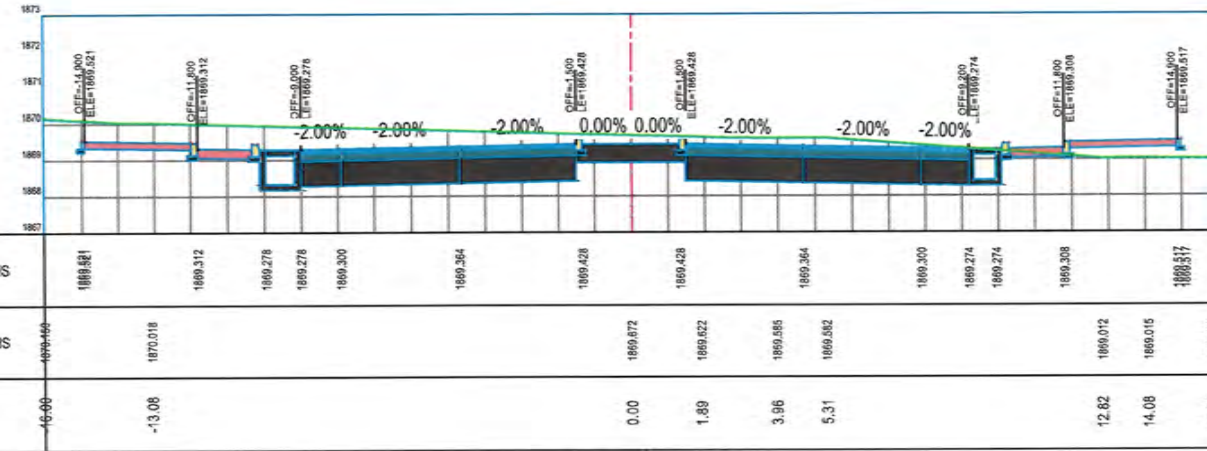
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hashibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

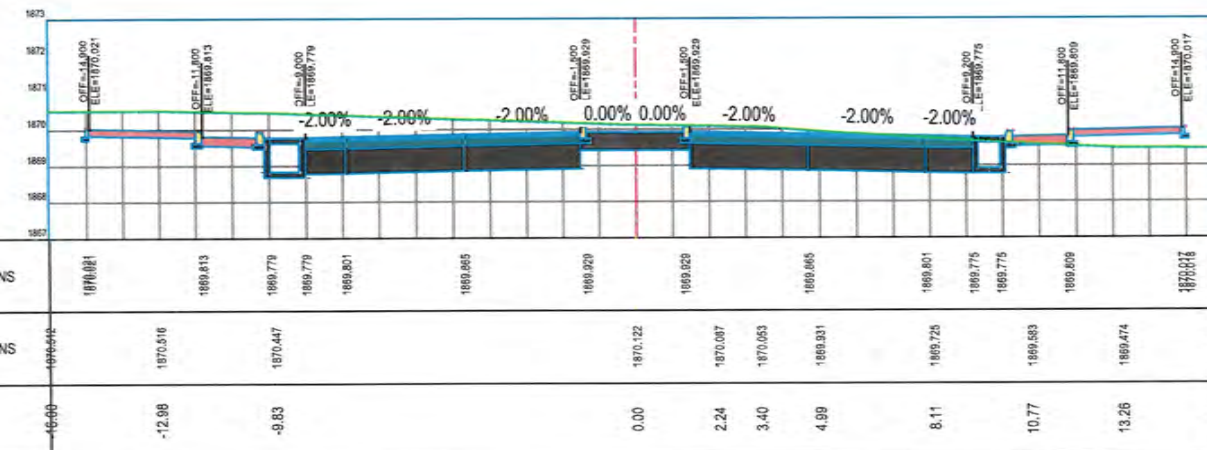
Status: FINAL
DESIGN

Project Code

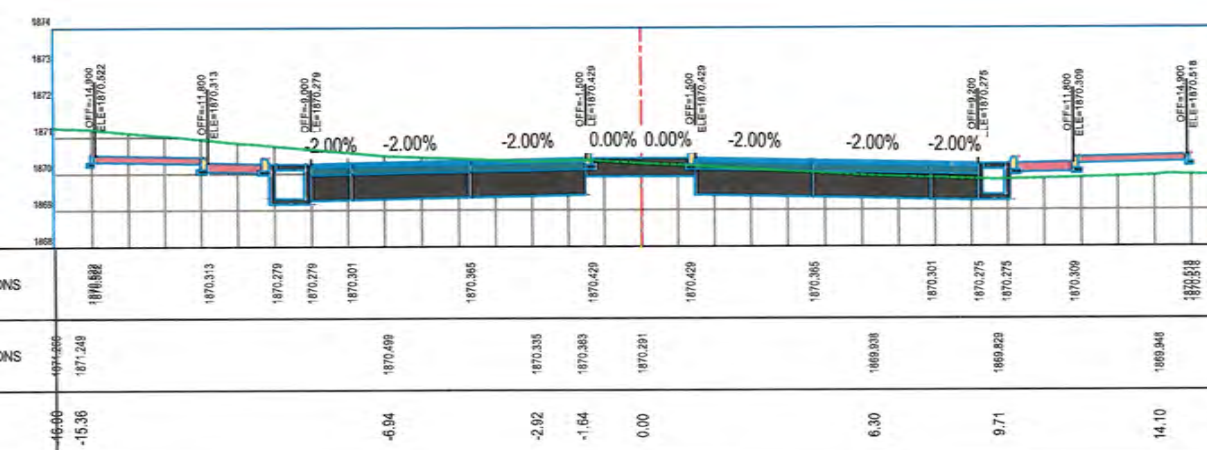
SHEET NO. MR-CS - (11) Revision 01



STATION=0+420



STATION=0+400



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:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Hasibullah Shalizi Signature:

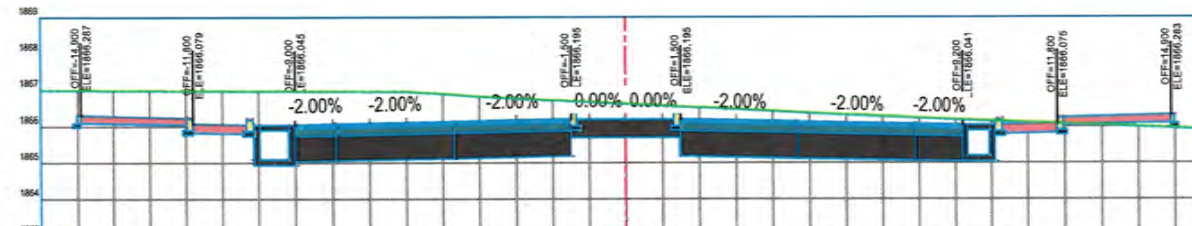
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

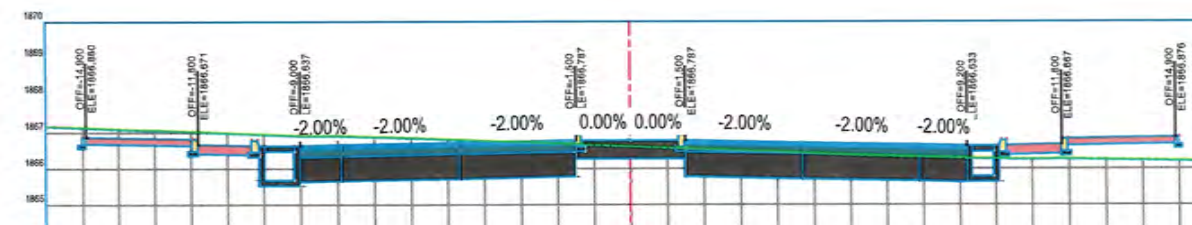
Project Code

SHEET NO. MR-CS - (12) Revision 01



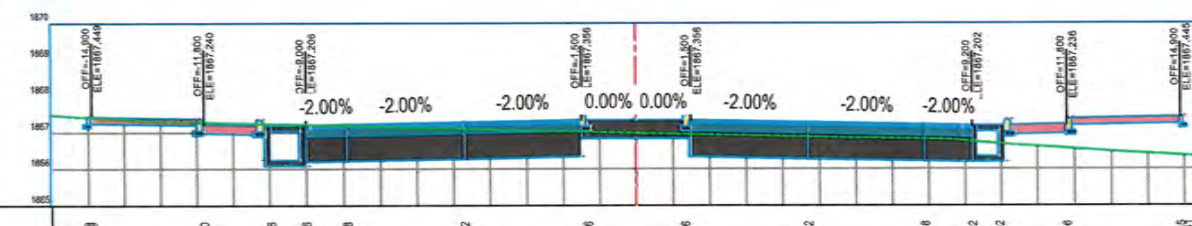
FINISHED ELEVATIONS	1866.237	1866.079	1866.045	1866.045	1866.067	1866.131	1866.195	1866.195	1866.131	1866.067	1866.041	1866.041	1866.075	1866.237
EXISTING ELEVATIONS	1866.494				1866.507	1866.792	1866.508		1866.289					1866.514
OFFSET	-15.00				-5.98	-3.92	0.00		6.21					15.86

STATION=0+540



FINISHED ELEVATIONS	1866.888	1866.871	1866.837	1866.837	1866.859	1866.723	1866.787	1866.787	1866.787	1866.723	1866.559	1866.533	1866.533	1866.888
EXISTING ELEVATIONS	1866.492		1866.908	1866.537	1866.901		1866.677	1866.618		1866.366		1866.251	1866.260	1866.506
OFFSET	-15.00		-8.94	-7.77			-1.82	0.00		6.28		10.63	11.84	16.06

STATION=0+520



FINISHED ELEVATIONS	1867.448	1867.240	1867.206	1867.206	1867.228	1867.292	1867.356	1867.356	1867.292	1867.228	1867.202	1867.202	1867.228	1867.448
EXISTING ELEVATIONS	1867.598	1867.347					1867.034	1866.985		1866.895	1866.647		1866.430	1867.430
OFFSET	-15.00	-13.61					-2.02	0.00		8.64	10.66		13.96	16.00

STATION=0+500

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shafizi	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

Project Code:

SHEET NO. MR-CS - (14)

Revision 01

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn:
M.Ali Dawlatzade

Signature:

Designed:
M.Ali Dawlatzade

Signature:

Checked:
Hassanullah Shalizi

Signature:

Checked:

Signature:

Date:
10/29/2024

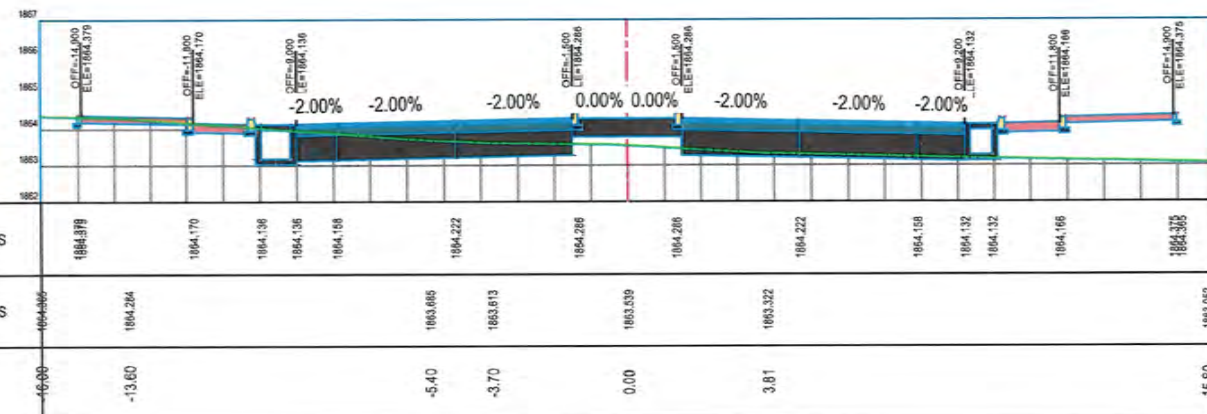
Scale:
1:200

Status:
FINAL
DESIGN

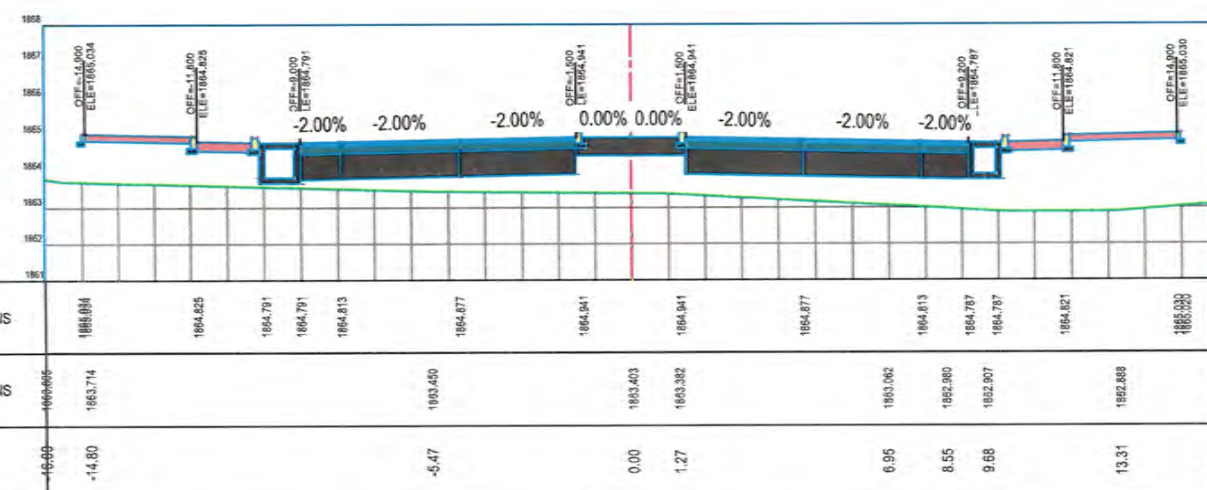
Project Code

SHEET NO.
MR-CS - (15)

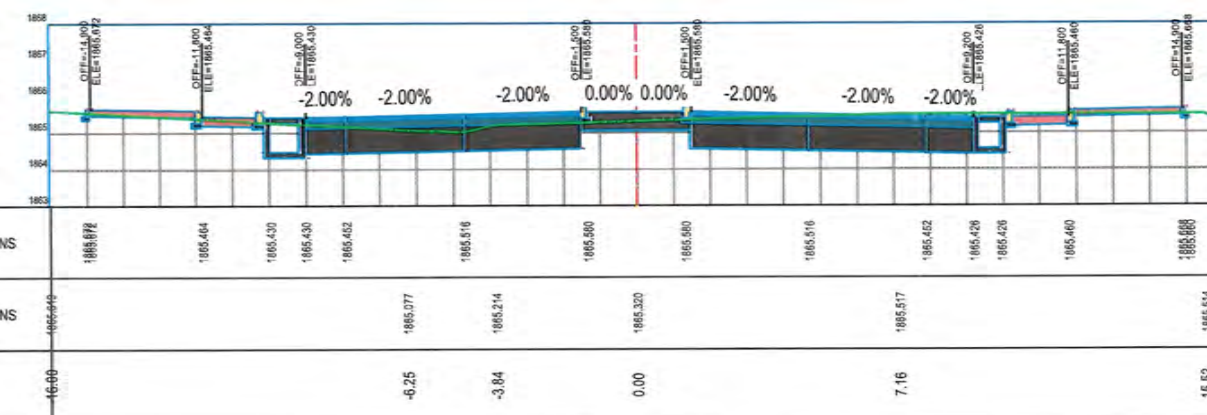
Revision:
01



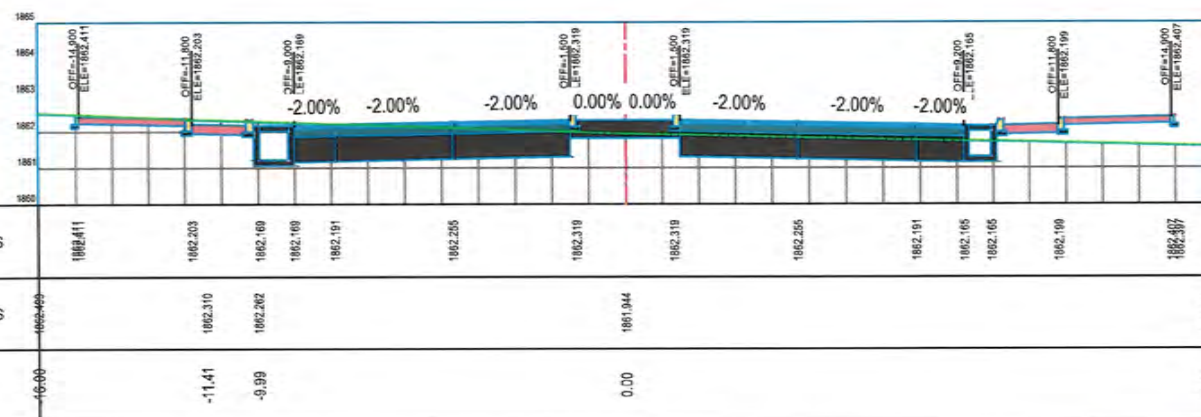
STATION=0+600



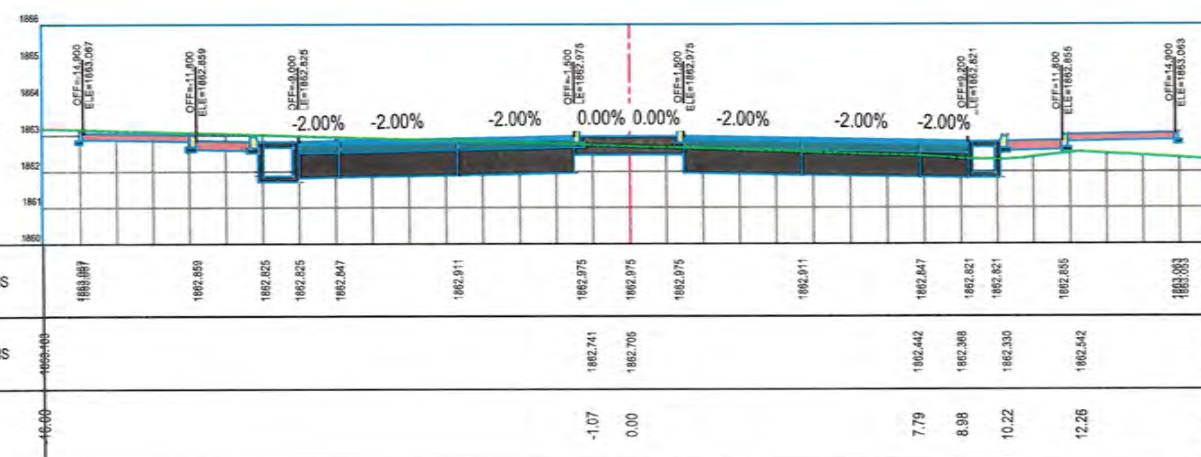
STATION=0+580



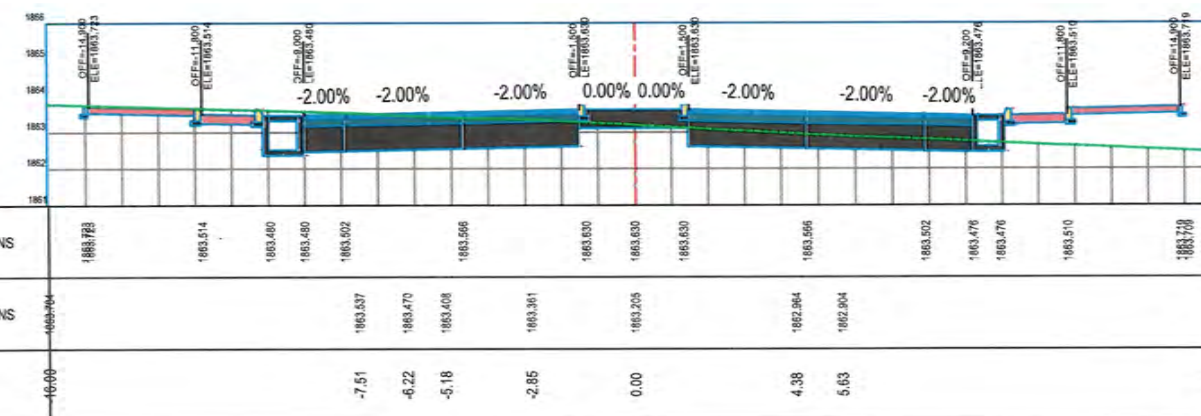
STATION=0+560



STATION=0+660



STATION=0+640



STATION=0+620

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

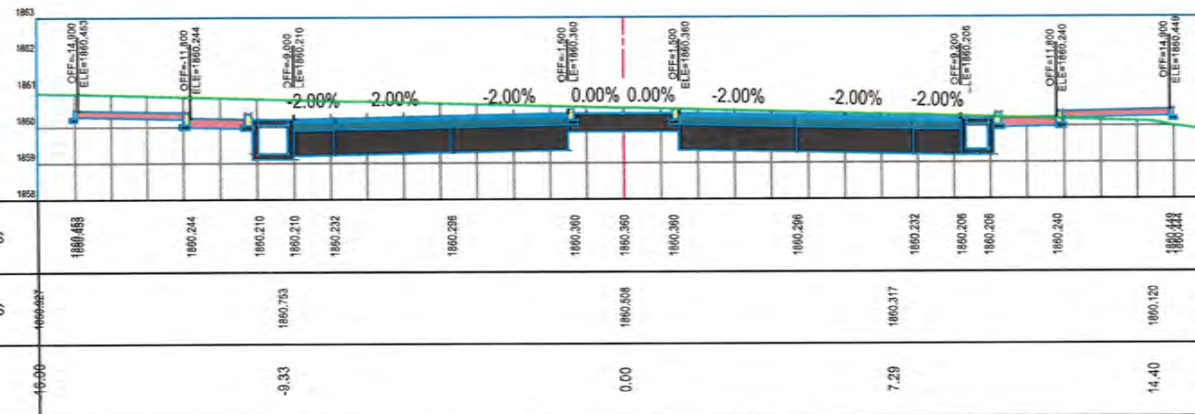
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

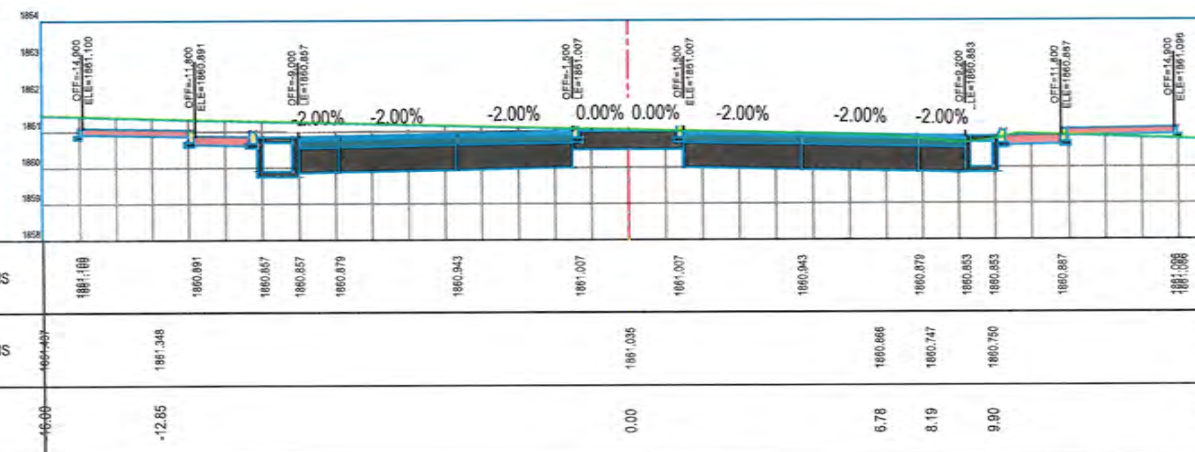
Status: **FINAL DESIGN**

Project Code

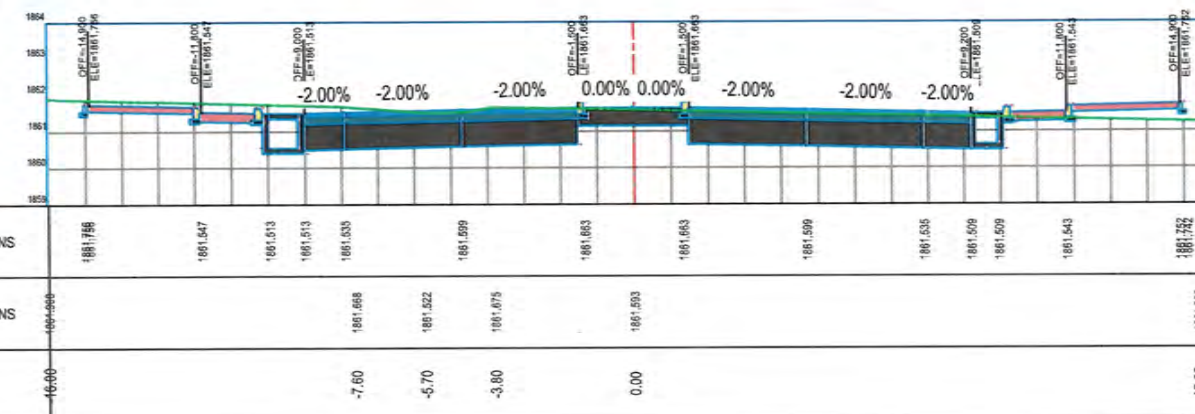
SHEET NO. MR-CS - (16)
Revision 01



STATION=0+720






STATION=0+700

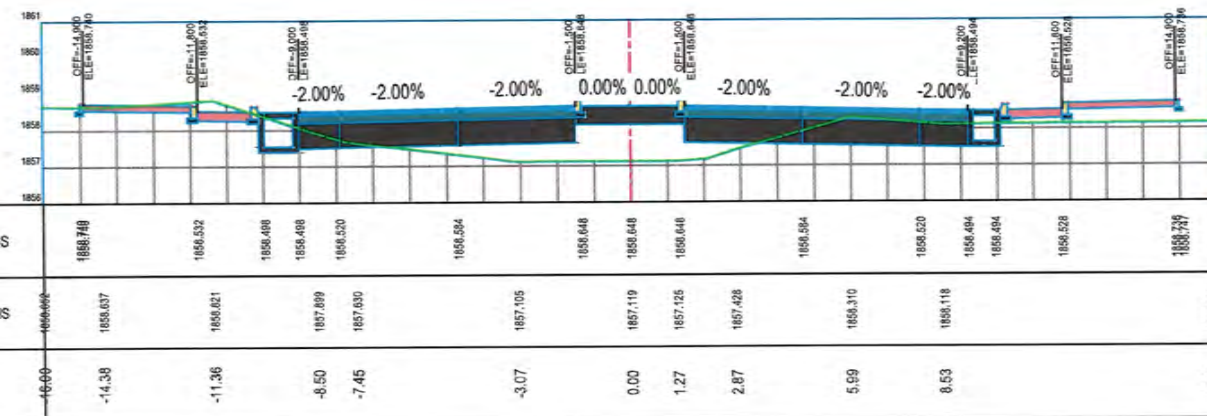


STATION=0+680

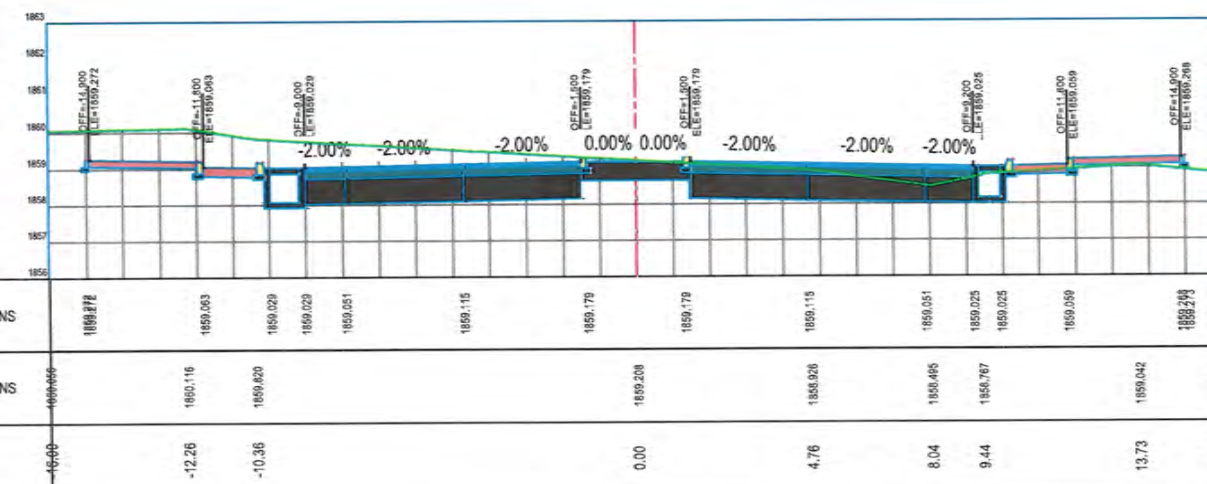
NOTE:
1. All dimensions are in meters unless otherwise indicated.



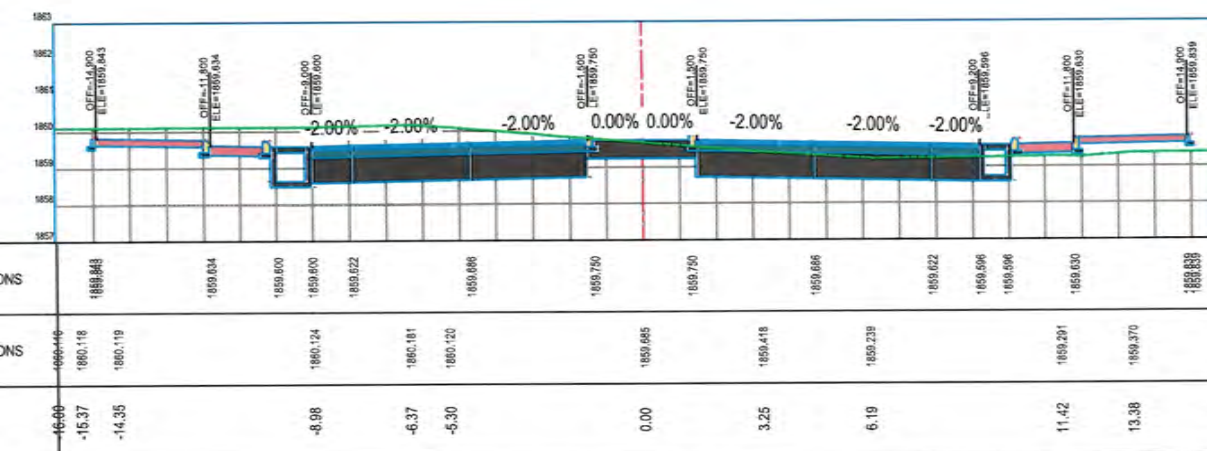
Rev.	Date	Revision Details			Drawn	Chkd	Appd.		
ISLAMIC EMIRATE OF AFGHANISTAN									
Designed By:									
KABUL MUNICIPALITY DESIGN TEAM									
Project Name: Nakhas to Omid-e-Sabz Road Project									
Drawing Title:									
CROSS SECTION									
Drawn: M.Ali Dawlatzoda					Signature: 				
Designed: M.Ali Dawlatzoda					Signature: 				
Checked: Hasibullah Shalizi					Signature: 				
Checked:					Signature:				
Date: 10/29/2024					Scale: 1:200				
Status: FINAL DESIGN									
Project Code									
SHEET NO.							Revision		
MR-CS - (17)							01		



STATION=0+780



STATION=0+760



STATION=0+740

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

Project Code:

SHEET NO. MR-CS - (18) Revision 01

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



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

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

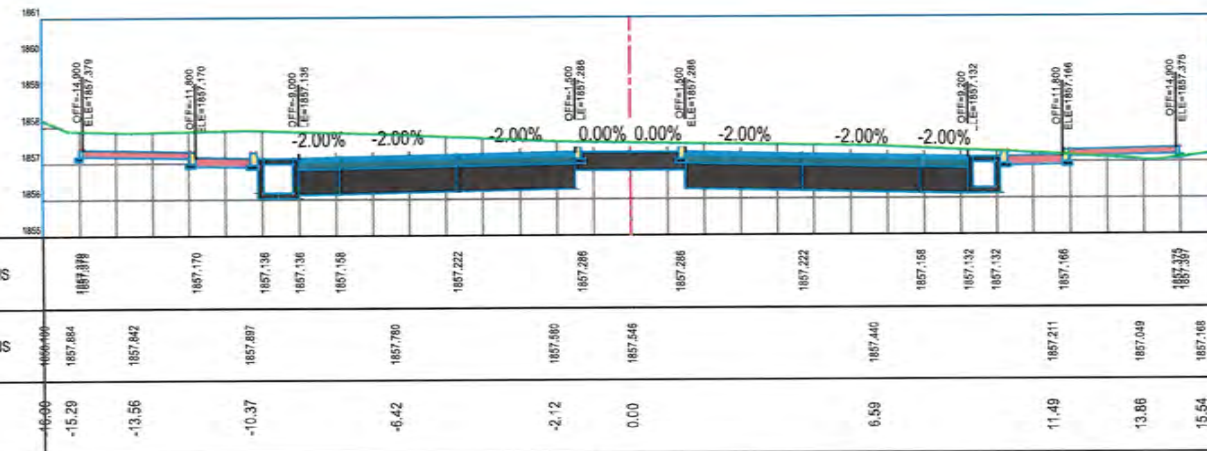
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

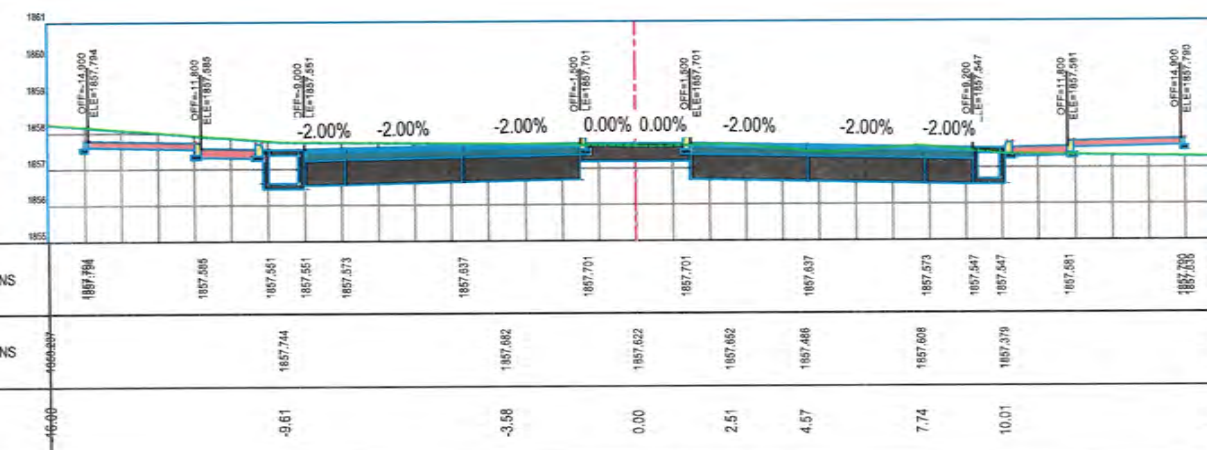
Status: FINAL
DESIGN

Project Code

SHEET NO. MR-CS - (19)	Revision 01
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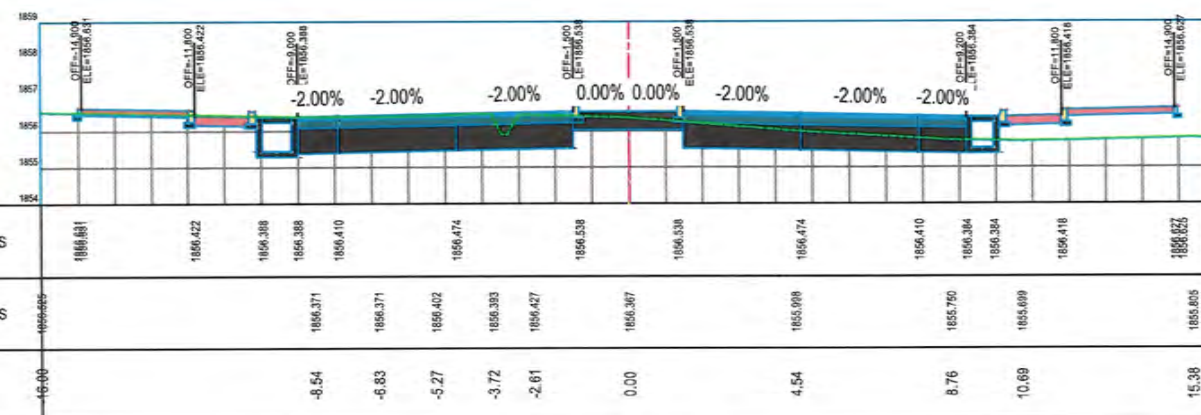
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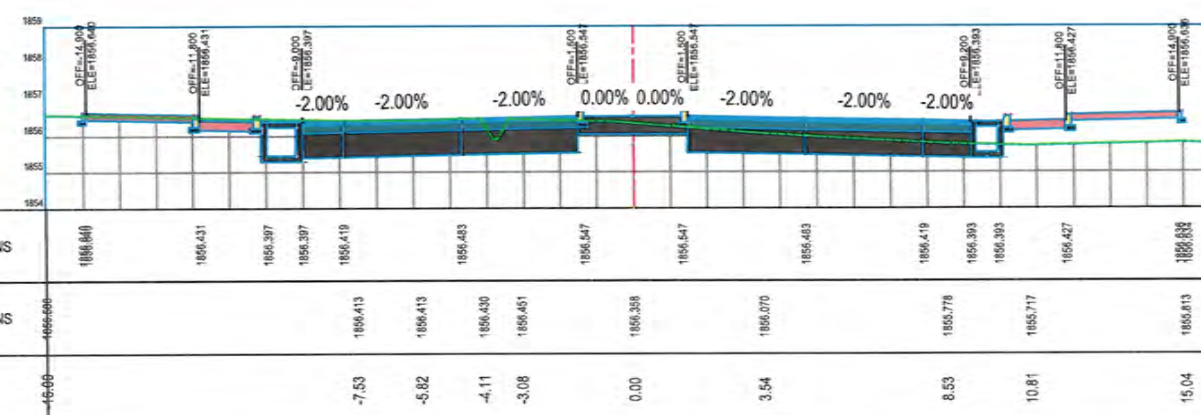
STATION=0+820



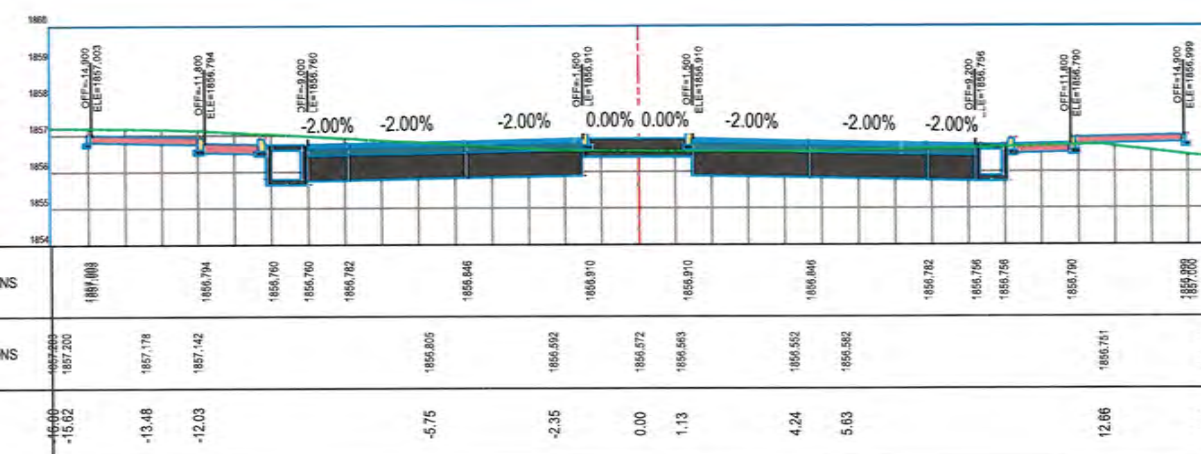
STATION=0+800



STATION=0+881



STATION=0+880



STATION=0+860

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Habibullah Shalizi Signature:

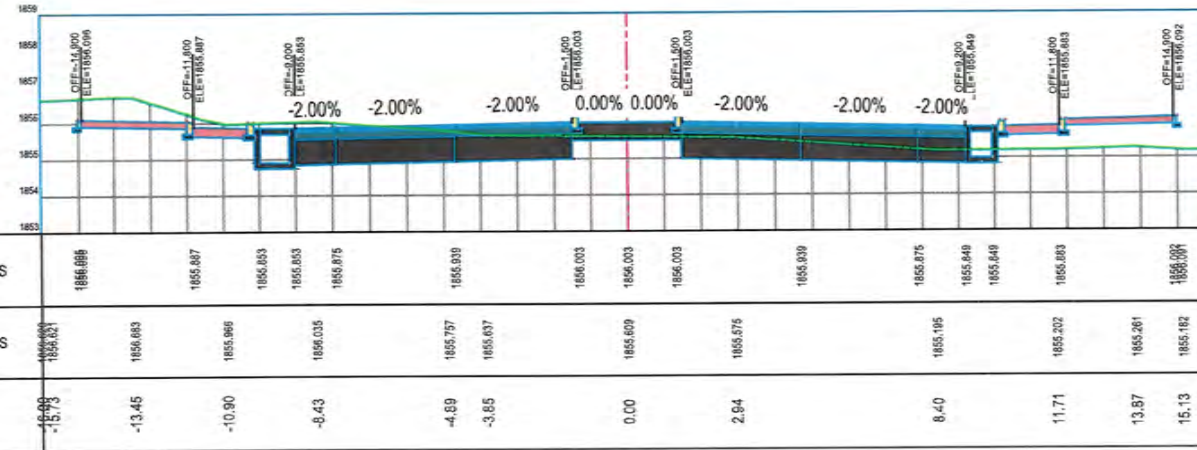
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

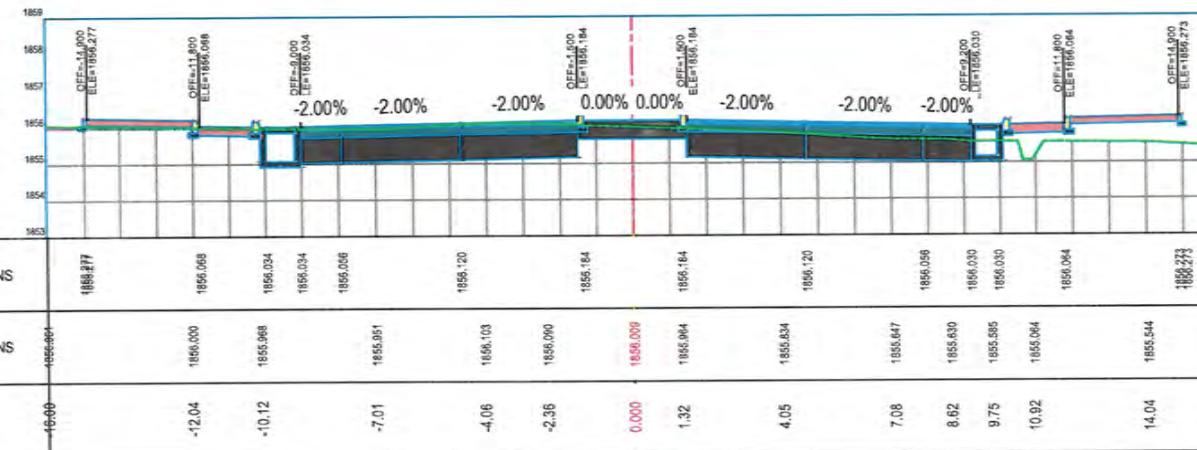
Status: FINAL
DESIGN

Project Code

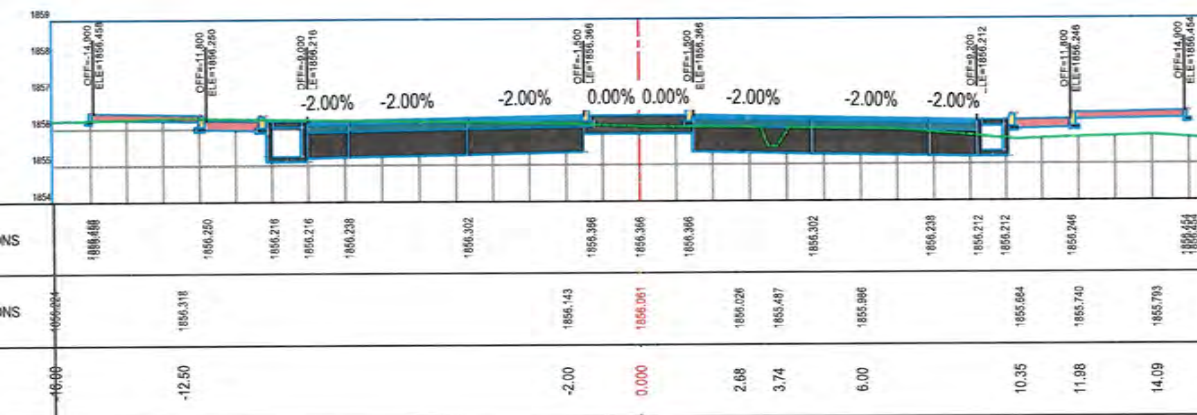
SHEET NO. MR-CS - (20) Revision 01



STATION=0+910



STATION=0+900



STATION=0+890

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

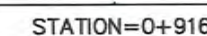
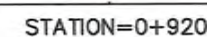
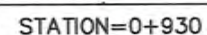
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

Project Code:

SHEET NO. MR-CS - (21) Revision 01



1. All dimensions are in meters unless otherwise indicated.

ISLAMIC EMIRATE
OF AFGHANISTAN

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

CROSS SECTION

Drawn:
M.Ali Dawlatrada

Designed:
M Ali Dawlatzada

Checked:
Hasibullah Shalizi

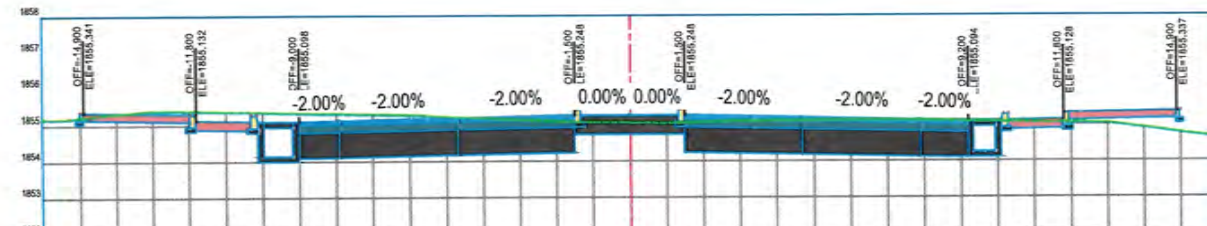
Checked:	
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Date: 10/29/2024

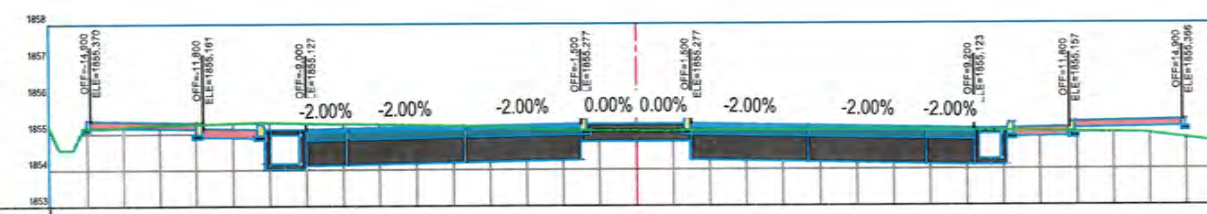
Status:	FINAL DESIGN
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Project Code

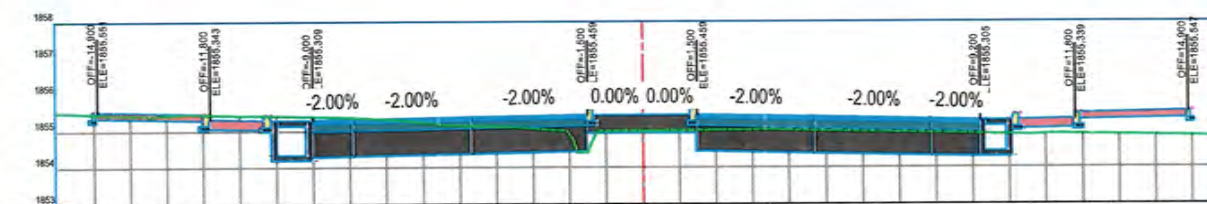
SHEET NO.	Revision
MR-CS - (22)	01



STATION=0+952



STATION=0+950



STATION=0+940

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:

Nakhas to Omid-e Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade

Designed: M.Ali Dawlatzade

Checked: Huseinullah Shalizi

Signature:

Date: 10/29/2024

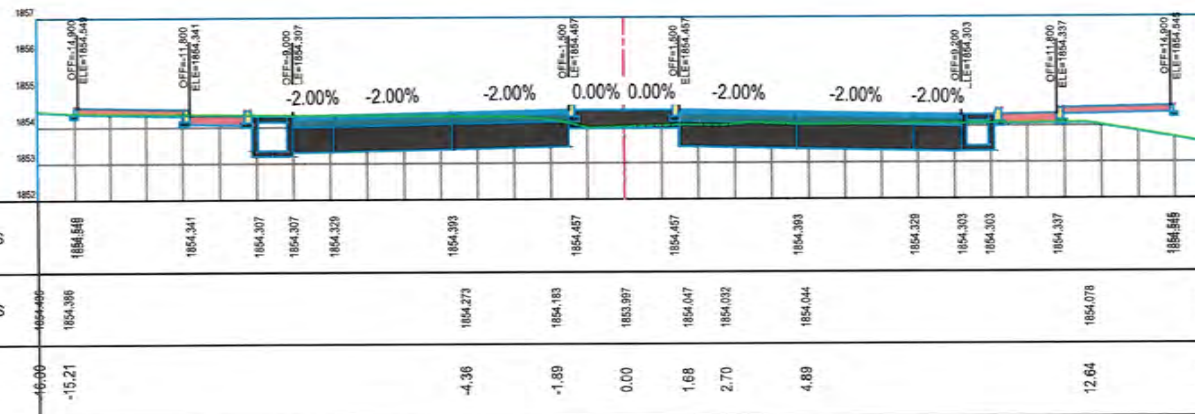
Scale: 1:200

Status: FINAL DESIGN

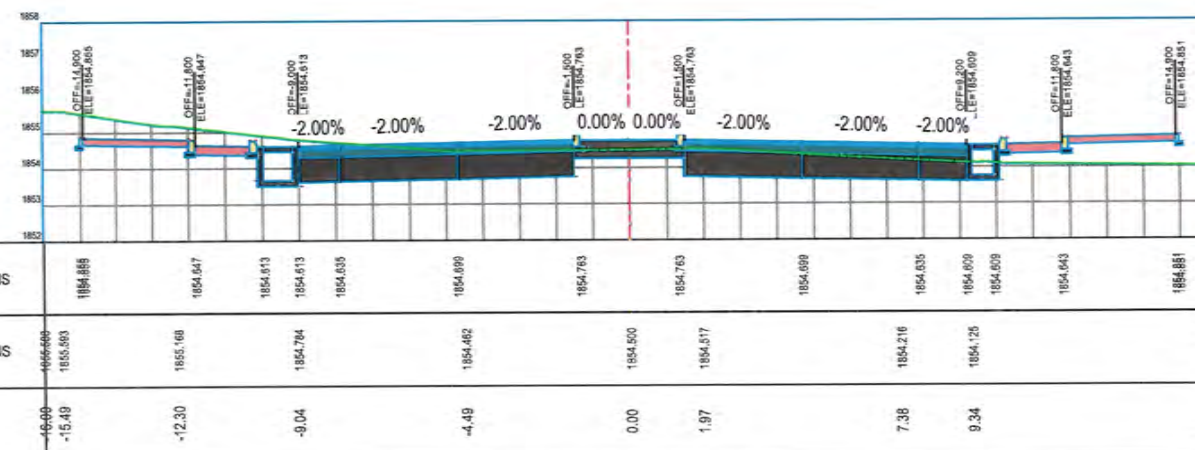
Project Code:

SHEET NO. MR-CS - (23)

Revision: 01



STATION=1+000



STATION=0+980



STATION=0+960

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzoda Signature:

Designed: M.Ali Dawlatzoda Signature:

Checked: Habibullah Shalizi Signature:

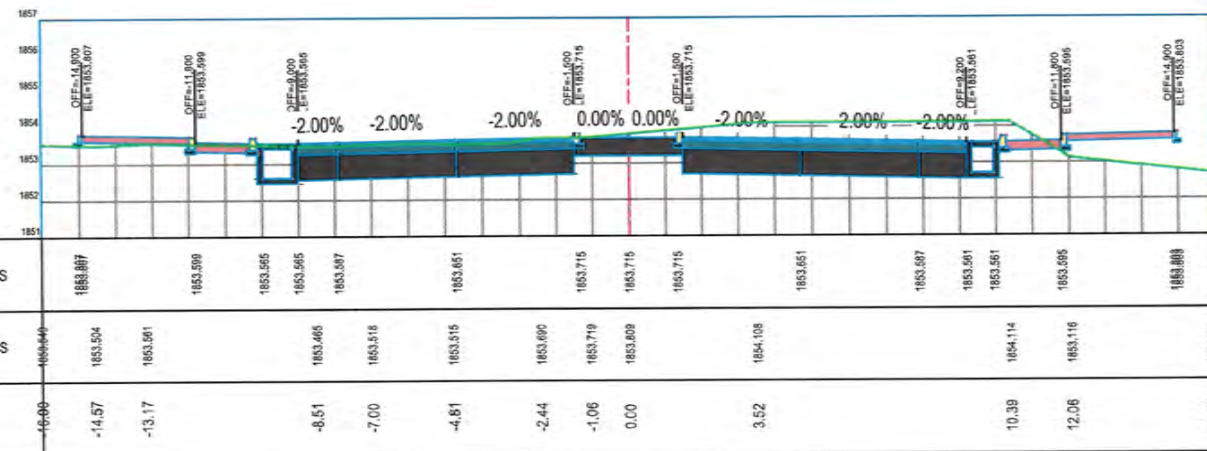
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

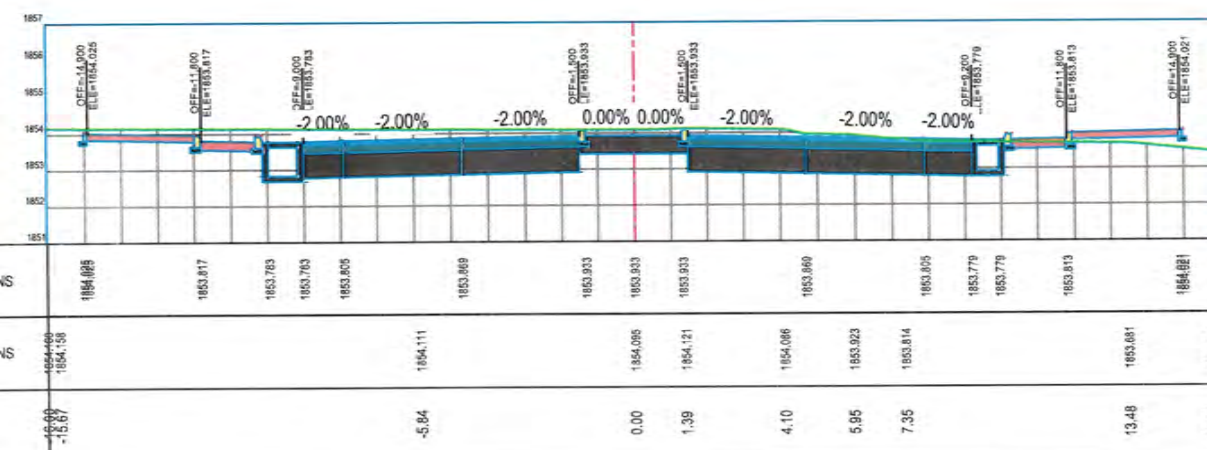
Status: **FINAL DESIGN**

Project Code

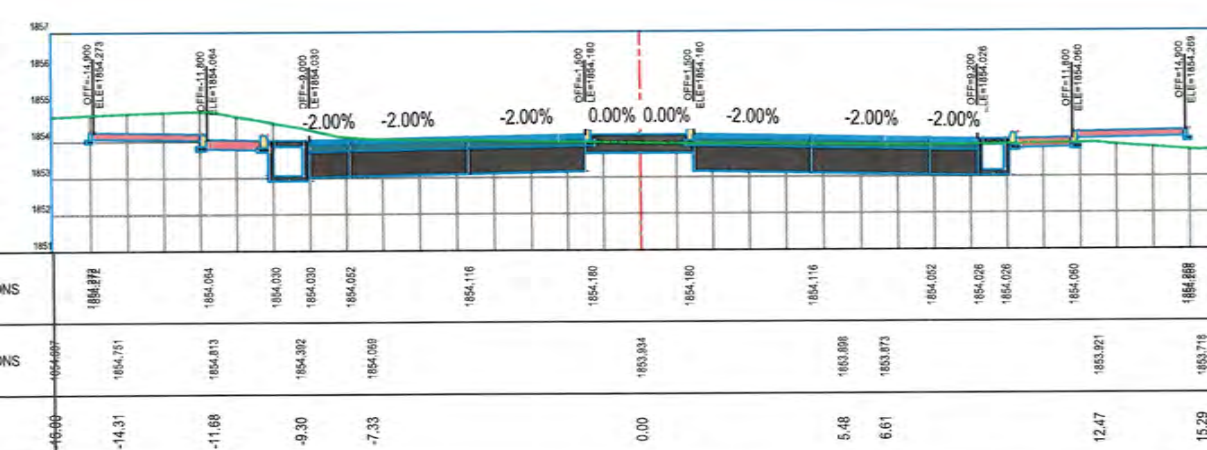
SHEET NO. MR-CS - (24) Revision 01



STATION=1+060



STATION=1+040



STATION=1+020

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:
Nahhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Husnulab Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

Project Code:

SHEET NO. MR-CS - (25) Revision 01

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:
Nakhas to Omid-e-Sahar Road Project

Drawing Title:
CROSS SECTION

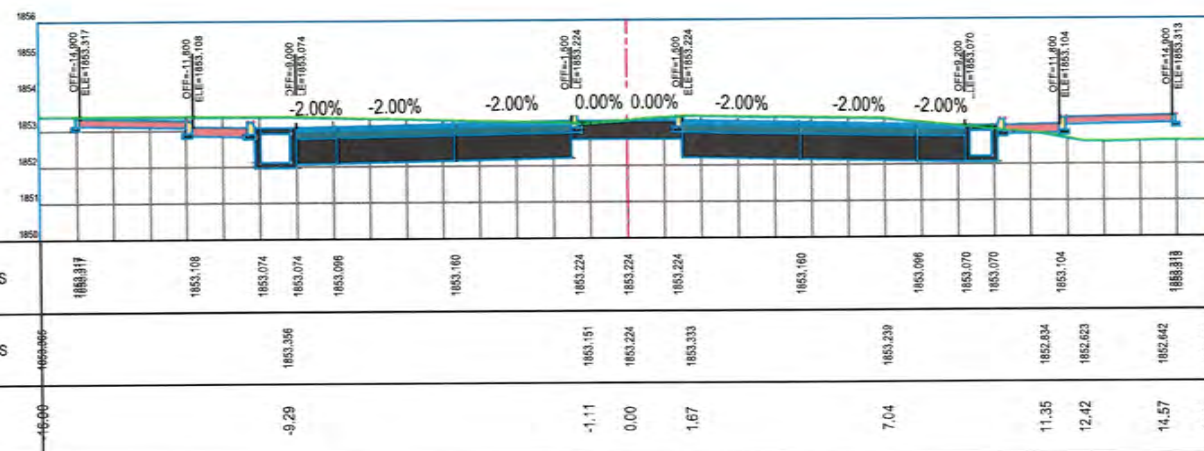
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Husibullah Shalini	Signature:
Checked:	Signature:

Date: 10/29/2024	Scale: 1:200
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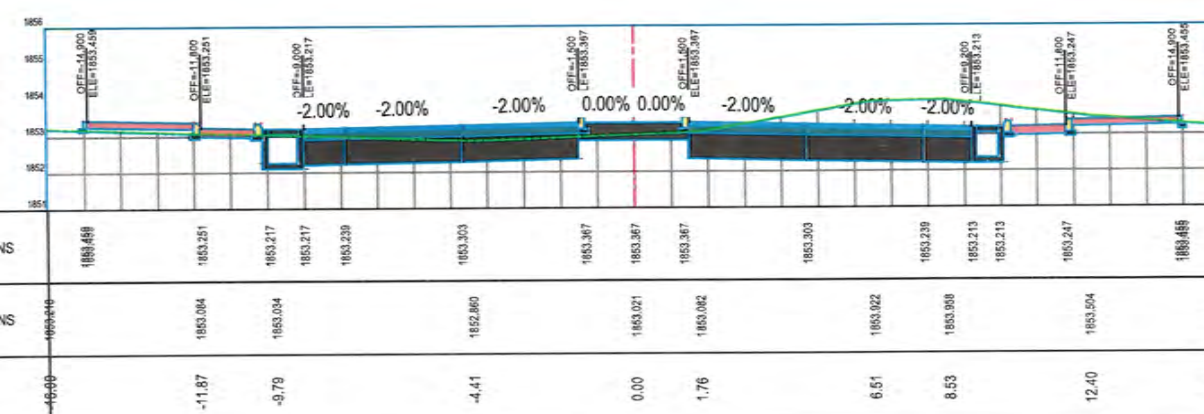
Status: **FINAL
DESIGN**

Project Code:

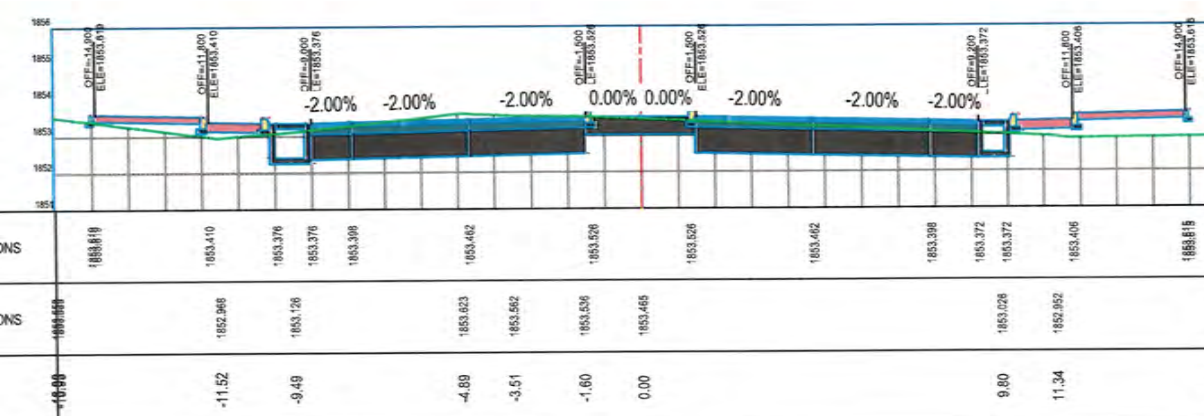
SHEET NO. MR-CS - (26)	Revision 01
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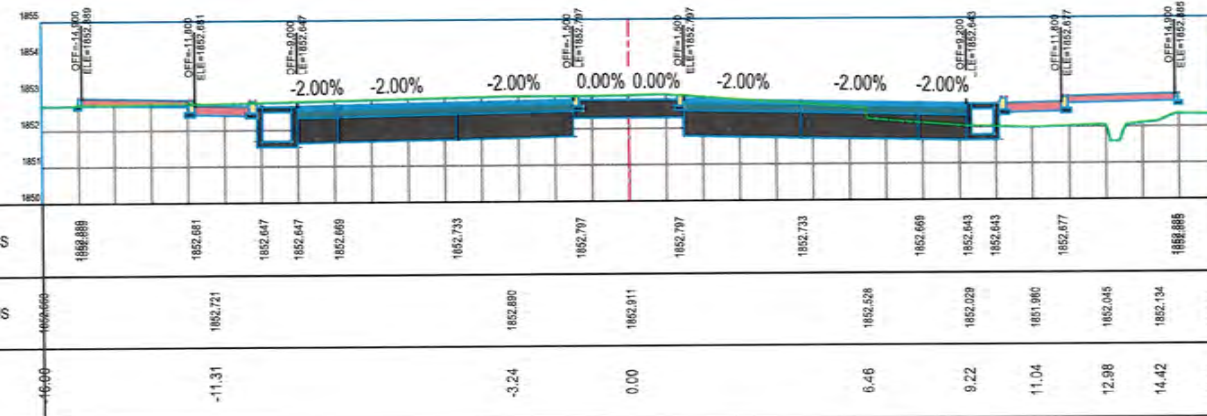
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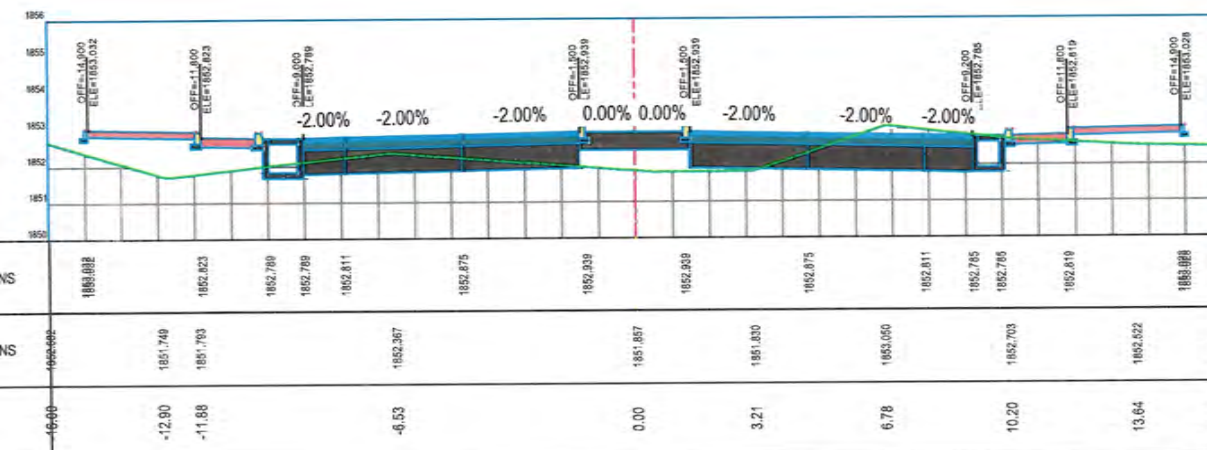
STATION=1+100



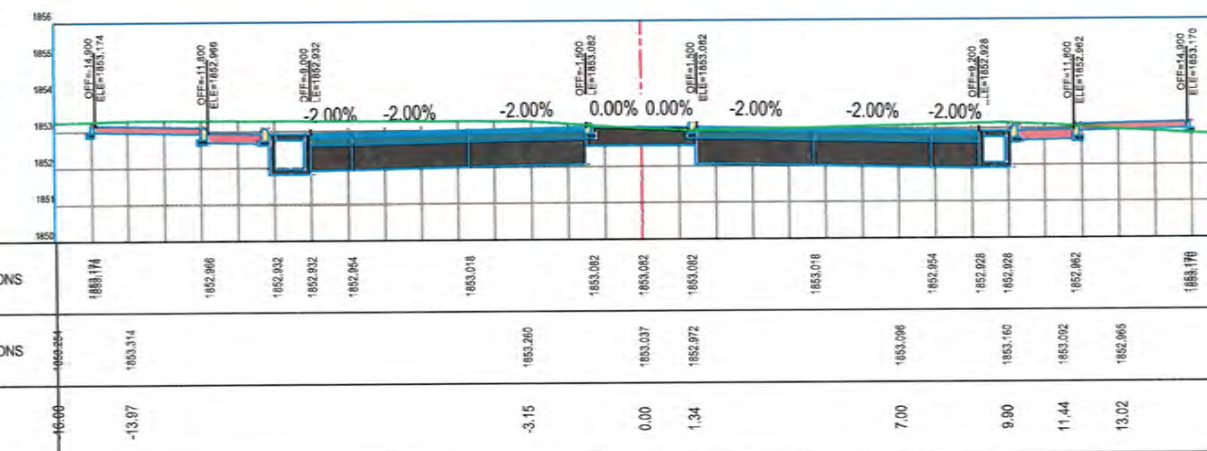
STATION=1+080



STATION=1+180



STATION=1+160



STATION=1+140

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

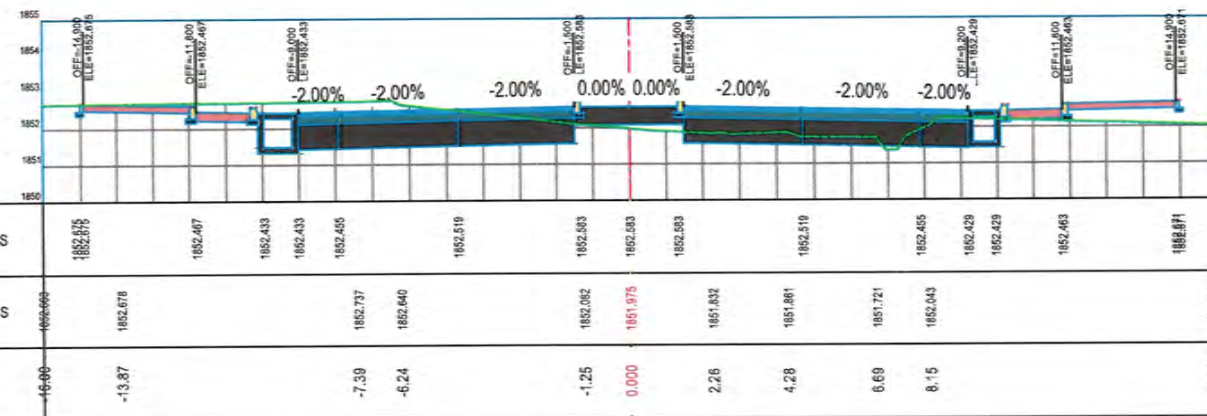
Drawn: M.Ali Dawlatzoda
Designed: M.Ali Dawlatzoda
Checked: Habibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

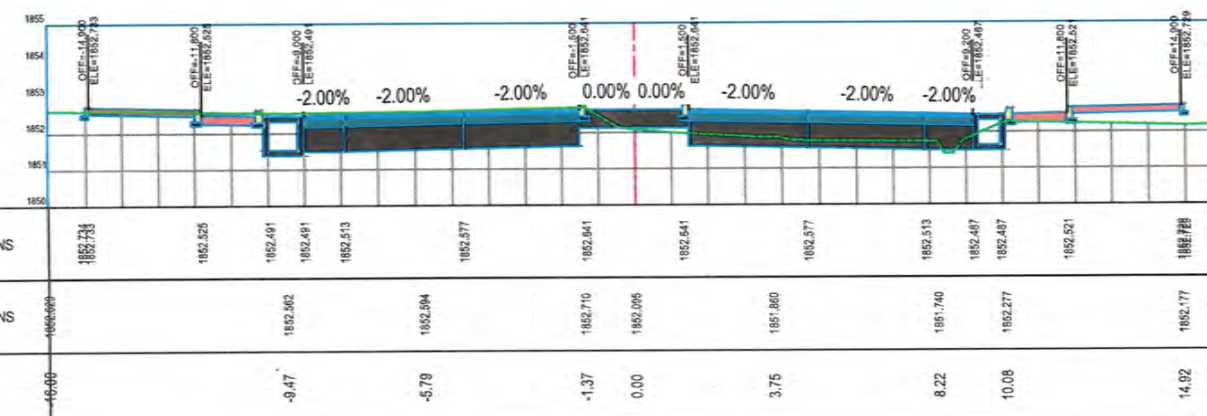
Status: **FINAL DESIGN**

Project Code

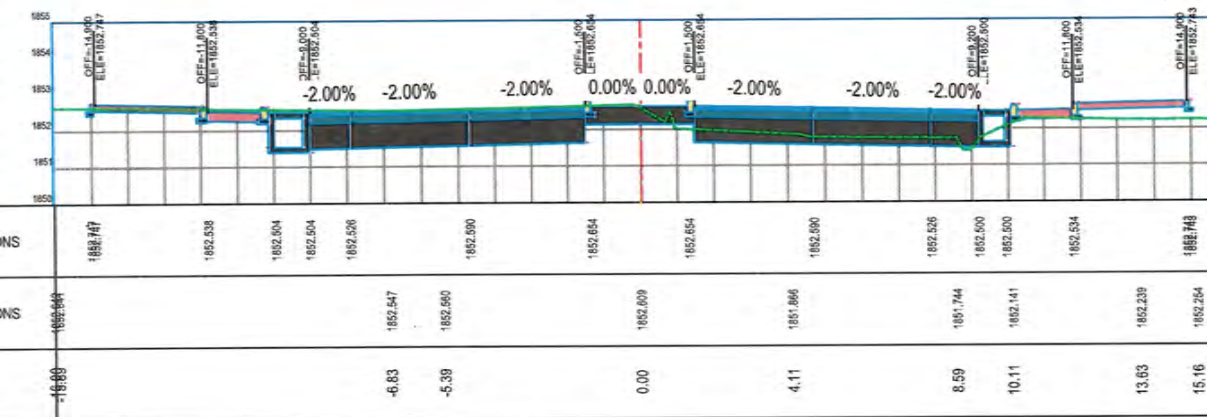
SHEET NO. MR-CS - (27)
Revision 01



STATION=1+210



STATION=1+202



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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzada Signature:

Designed: M.Ali Dawlatzada Signature:

Checked: Habibullah Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

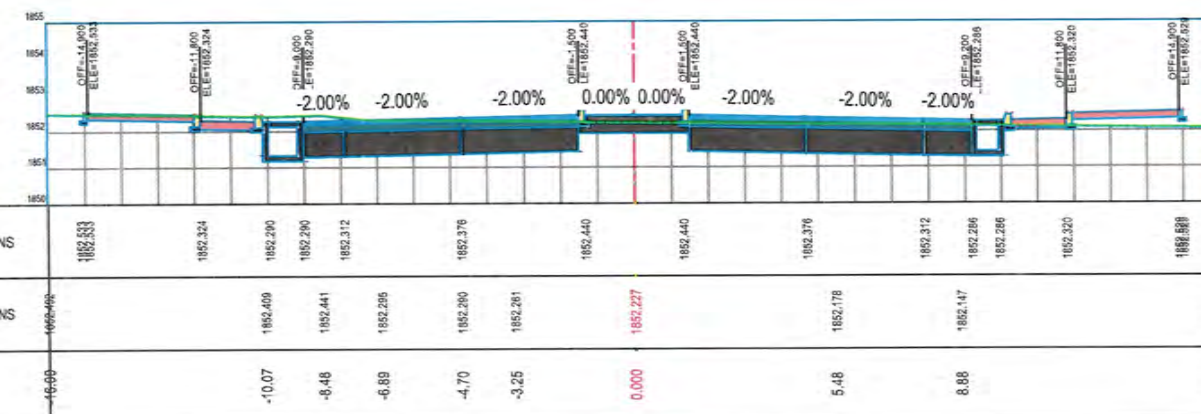
Status: **FINAL
DESIGN**

Project Code:

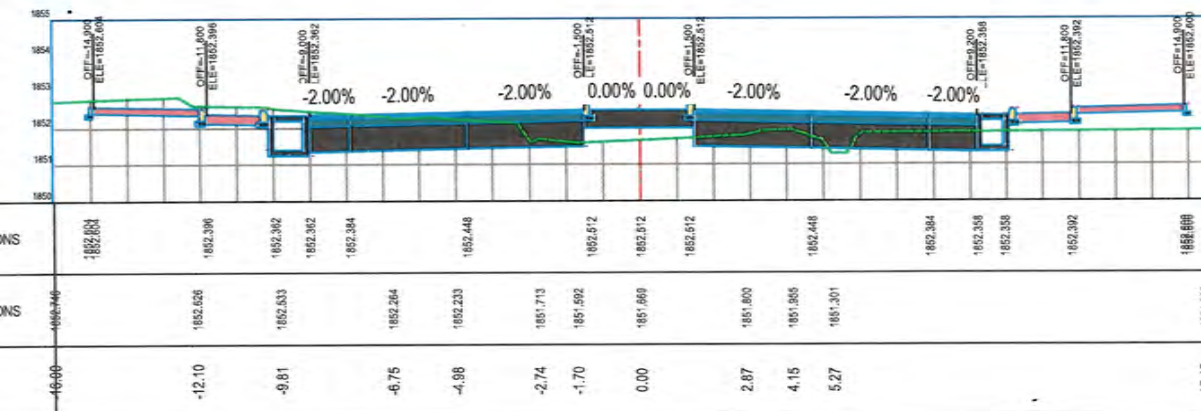
SHEET NO. MR-CS - (28) Revision 01



STATION=1+240



STATION=1+230



STATION=1+220

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:
Nakhas to Omid-e-Sabz Road Project

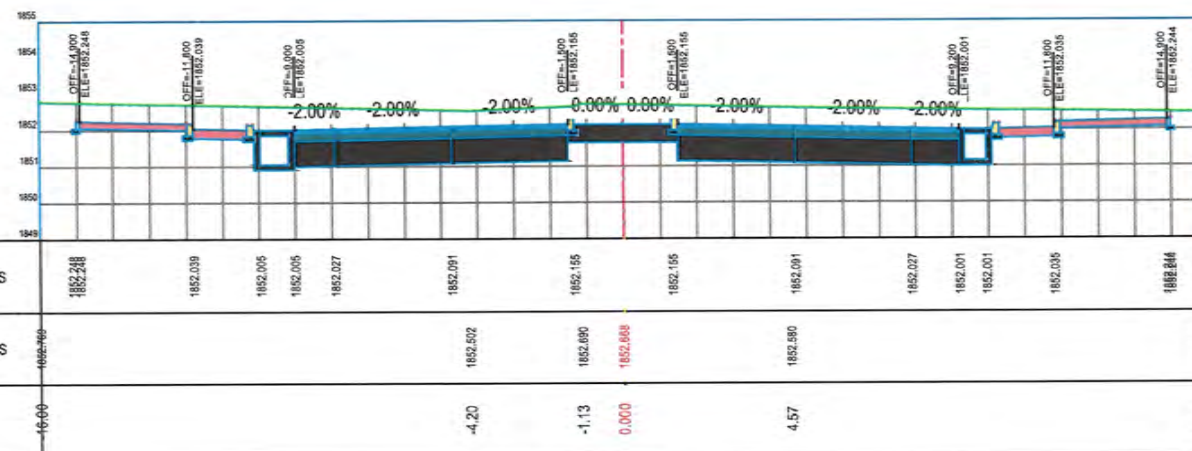
Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hashibullah Shalizi
Date: 10/29/2024
Scale: 1:200

Status: **FINAL DESIGN**

Project Code

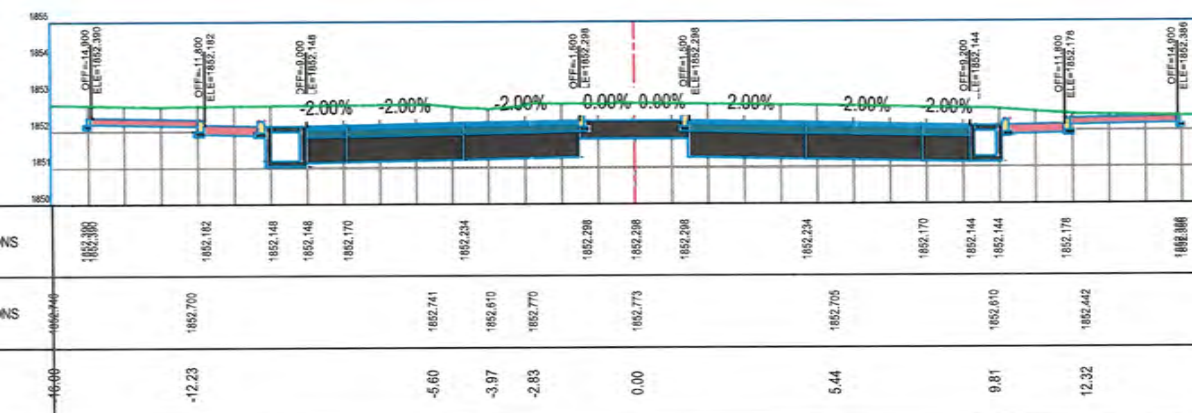
SHEET NO. MR-CS - (29) Revision 01



STATION=1+270



STATION=1+260



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:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

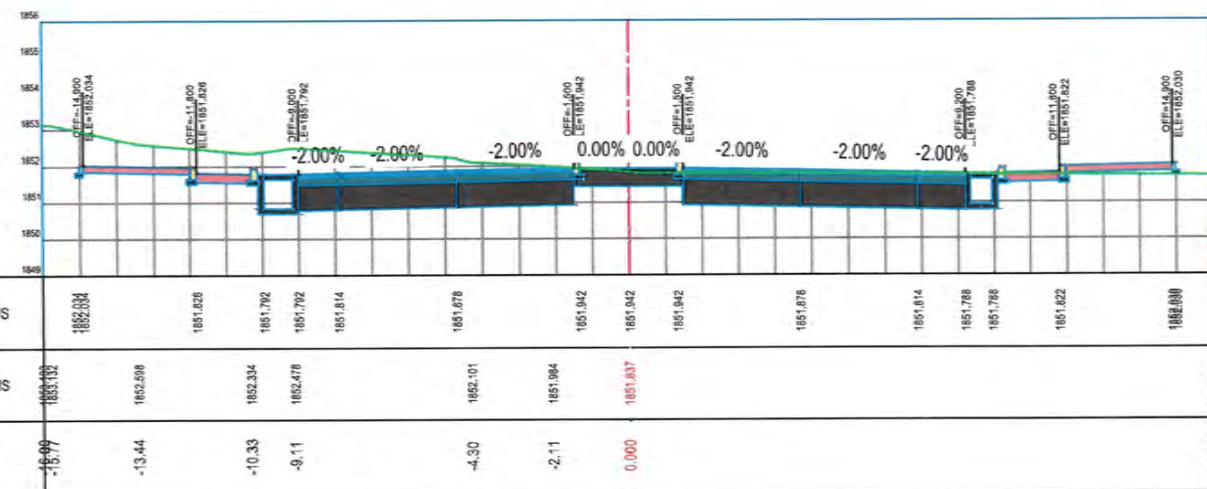
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status:
**FINAL
DESIGN**

Project Code

SHEET NO. MR-CS - (30) Revision 01



STATION=1+300



STATION=1+290



STATION=1+280

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:
CROSS SECTION

Drawn:
M.Ali Dawlatzade

Signature: *[Signature]*

Designed:
M.Ali Dawlatzade

Signature: *[Signature]*

Checked:
Hasibullah Shalizi

Signature: *[Signature]*

Checked:

Signature:

Date: 10/29/2024

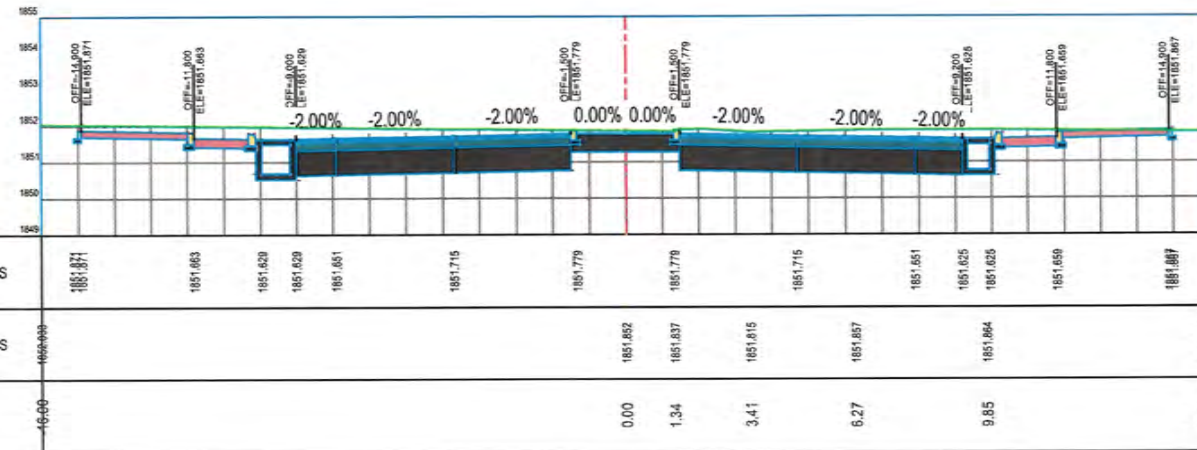
Scale: 1:200

Status: **FINAL DESIGN**

Project Code:

SHEET NO. MR-CS - (31)

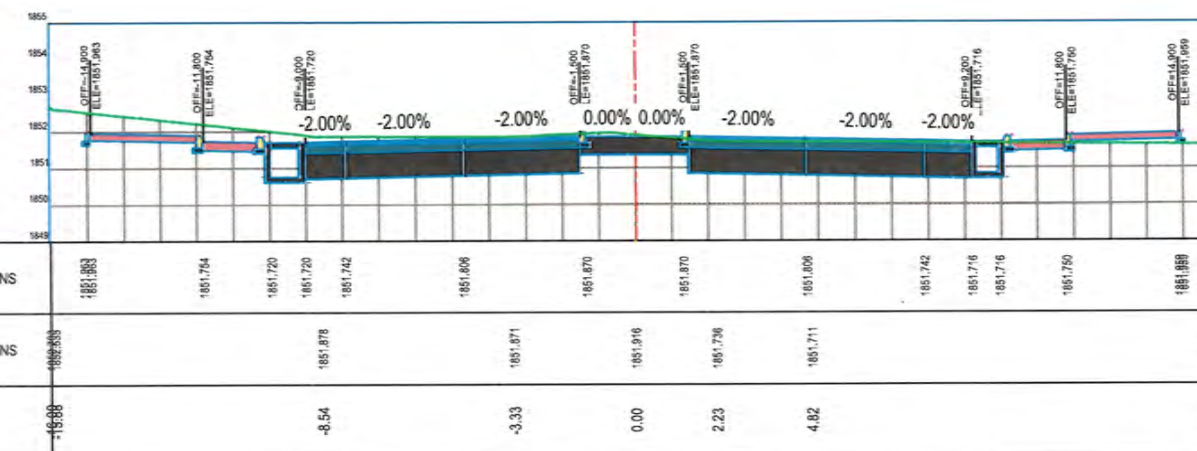
Revision: 01



STATION=1+323



STATION=1+320



STATION=1+310

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

Checked: Signature:

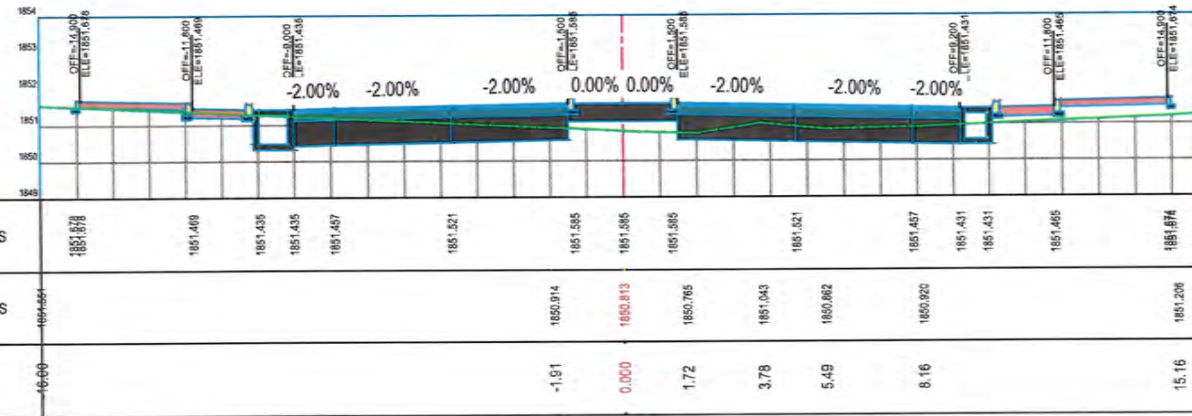
Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

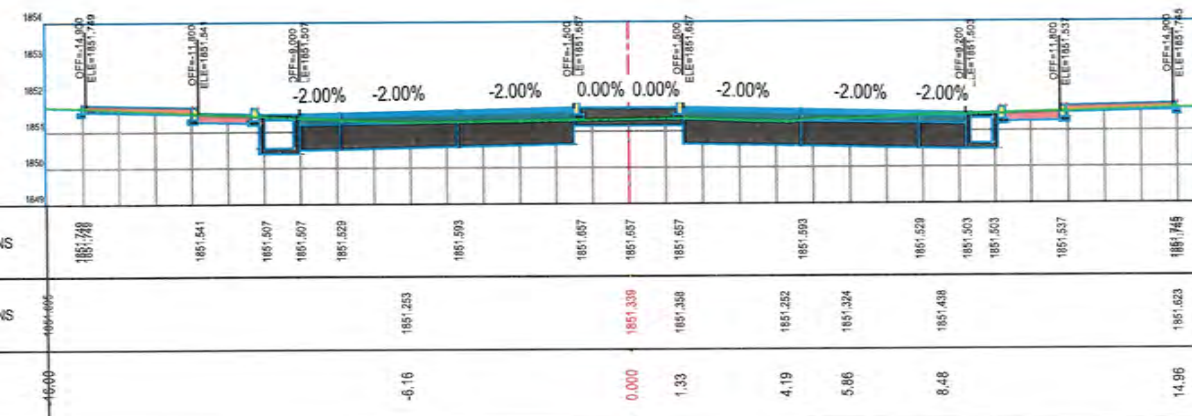
Project Code

SHEET NO. MR-CS - (32)

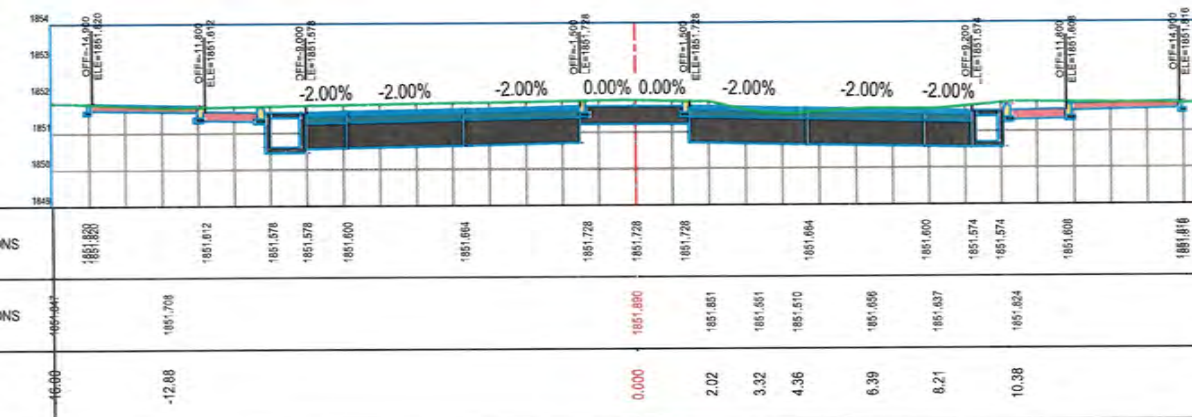
Revision 01



STATION=1+350



STATION=1+340



STATION=1+330

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn:
M.Ali Dawlatzade

Signature:

Checked:
Hasibullah Shalizi

Signature:

Date: 10/29/2024

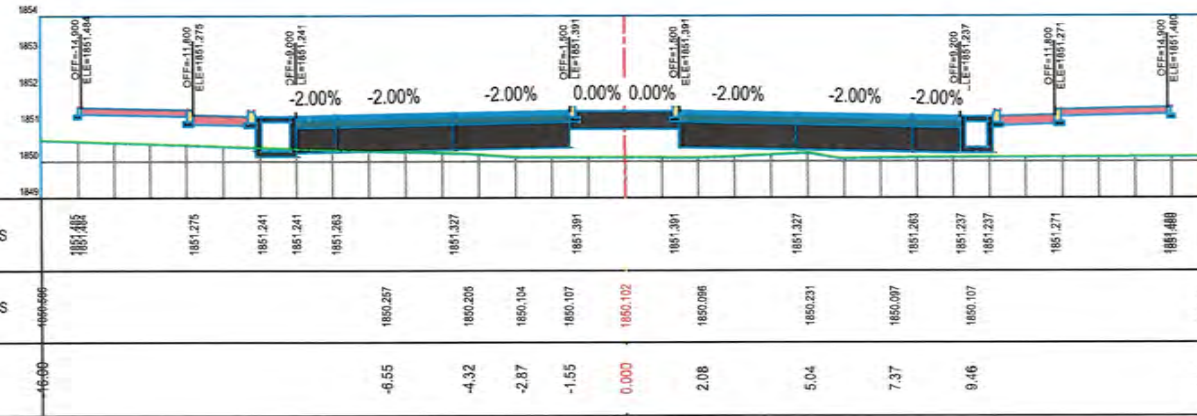
Scale: 1:200

Status: FINAL
DESIGN

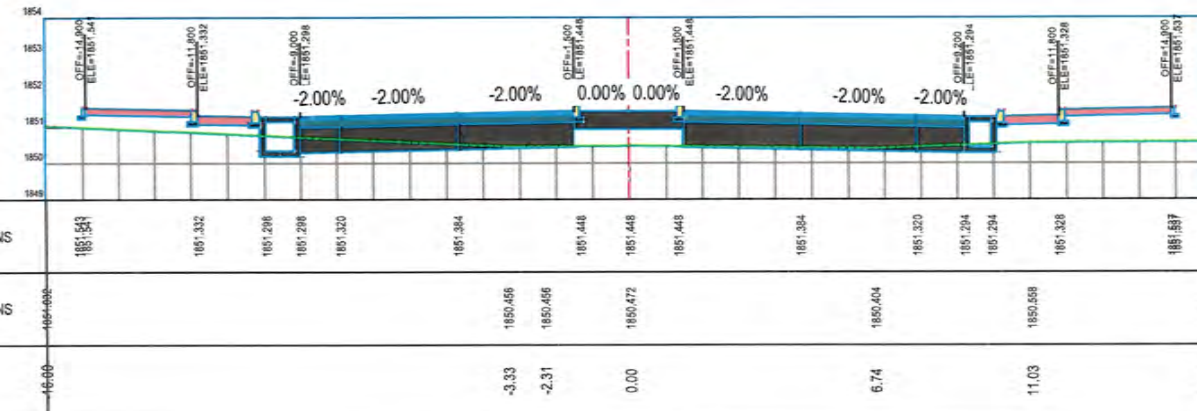
Project Code:

SHEET NO. MR-CS - (33)

Revision: 01



STATION=1+380






STATION=1+370

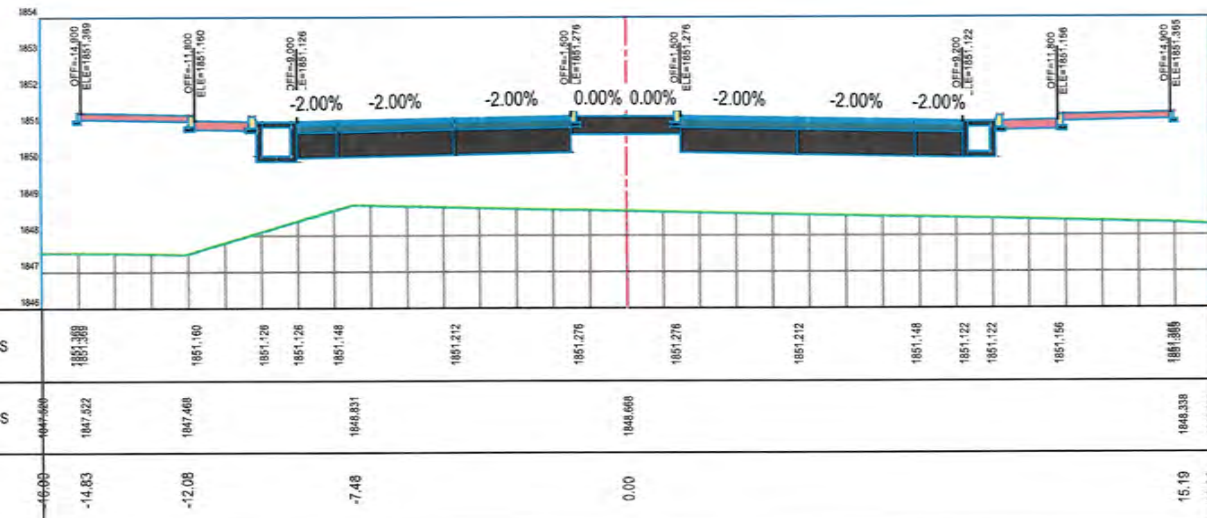


STATION=1+360

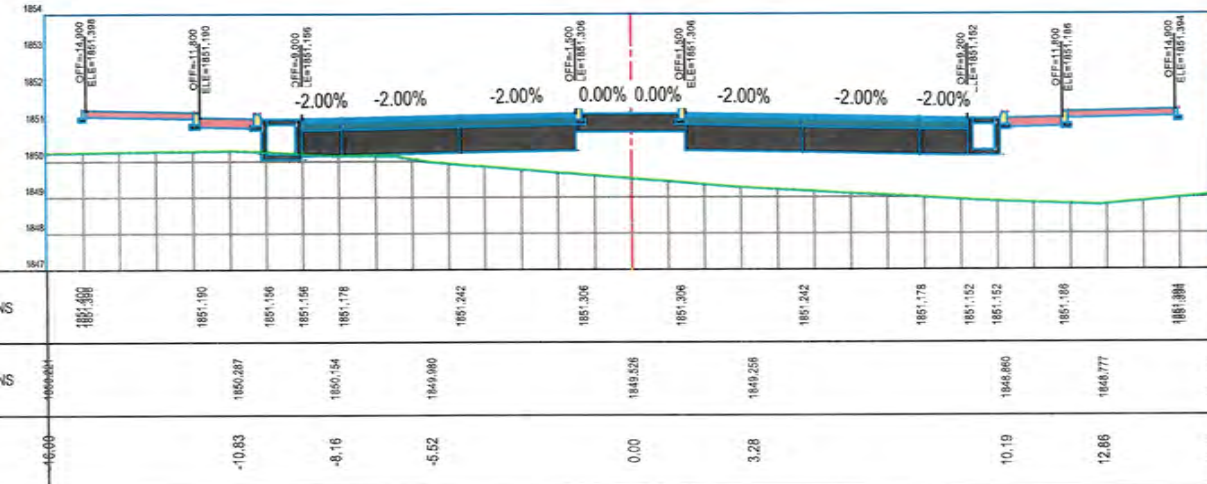
NOTE:
1. All dimensions are in meters unless otherwise indicated.



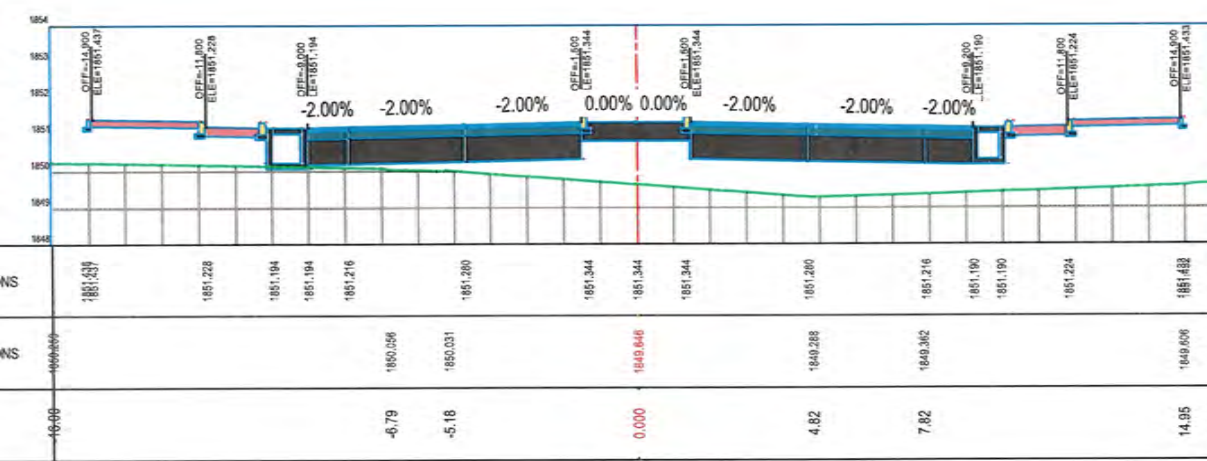
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name: Nakhas to Omid-e-Sabz Road Project					
Drawing Title:					
CROSS SECTION					
Drawn: M.Ali Dawlatzade		Signature: 			
Designed: M.Ali Dawlatzade		Signature: 			
Checked: Habibullah Shalizi		Signature: 			
Checked:		Signature:			
Date: 10/29/2024		Scale: 1:200			
Status: FINAL DESIGN					
Project Code					
SHEET NO. MR-CS - (34)				Revision 01	



STATION=1+410



STATION=1+400



STATION=1+390

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



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

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nahhas to Omid-e-Sahr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hachullah Shafizai
Checked:

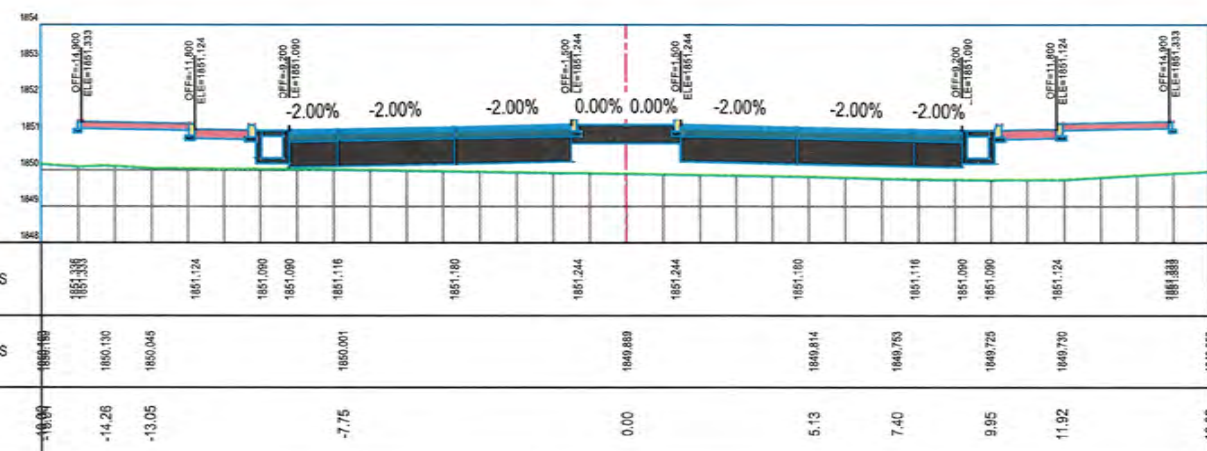
Date: 10/29/2024
Scale: 1:200

Status: FINAL
DESIGN

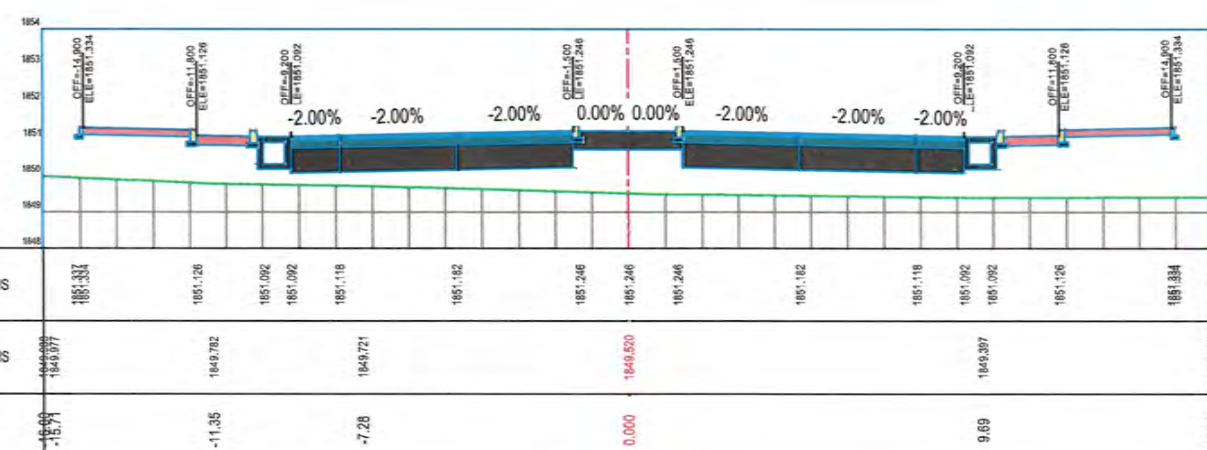
Project Code

SHEET NO.
MR-CS - (35)

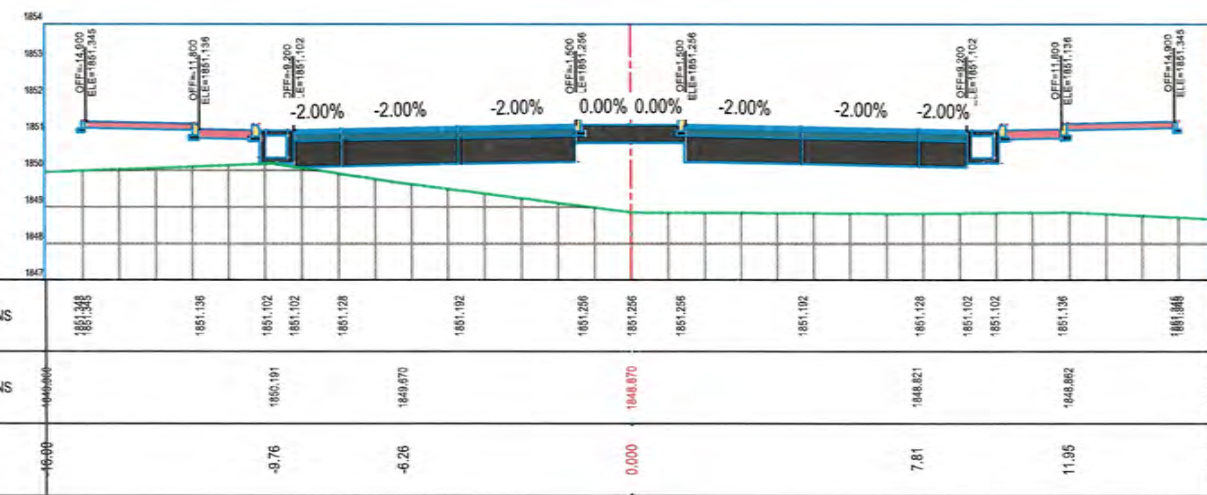
Revision
01



STATION=1+440



STATION=1+430



STATION=1+420

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

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

Date:
10/29/2024

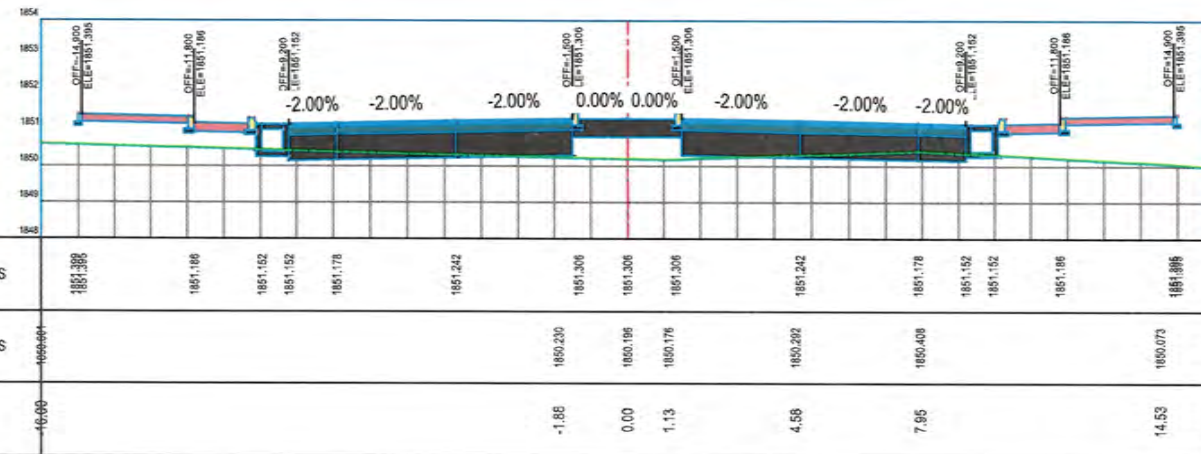
Scale:
1:200

Status:
FINAL
DESIGN

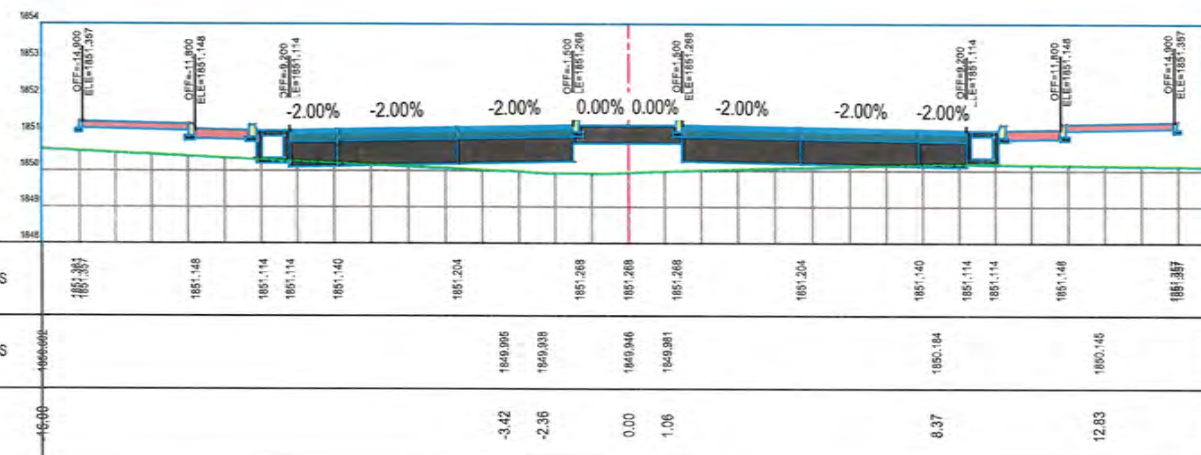
Project Code

SHEET NO.
MR-CS - (36)

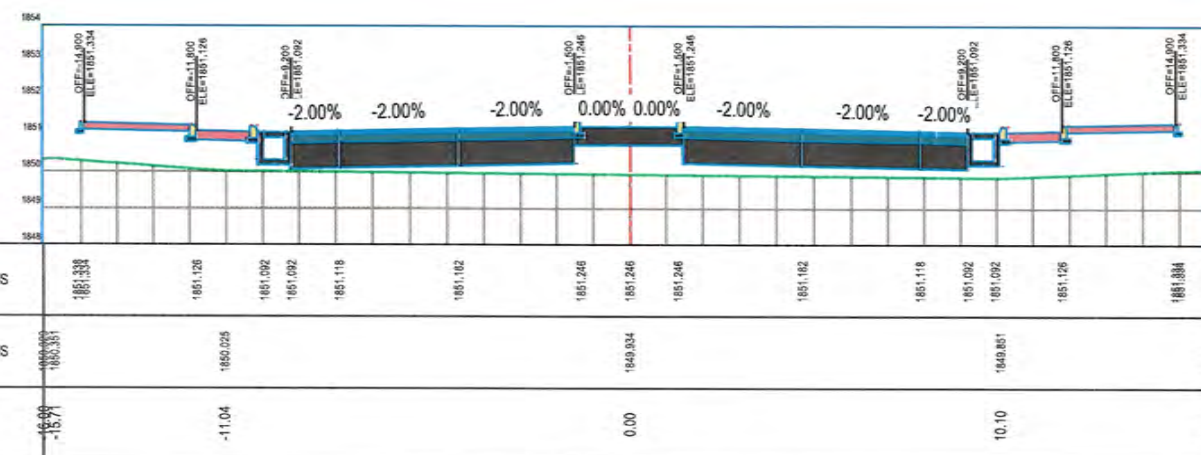
Revision
01



STATION=1+480



STATION=1+460



STATION=1+444

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:
CROSS SECTION

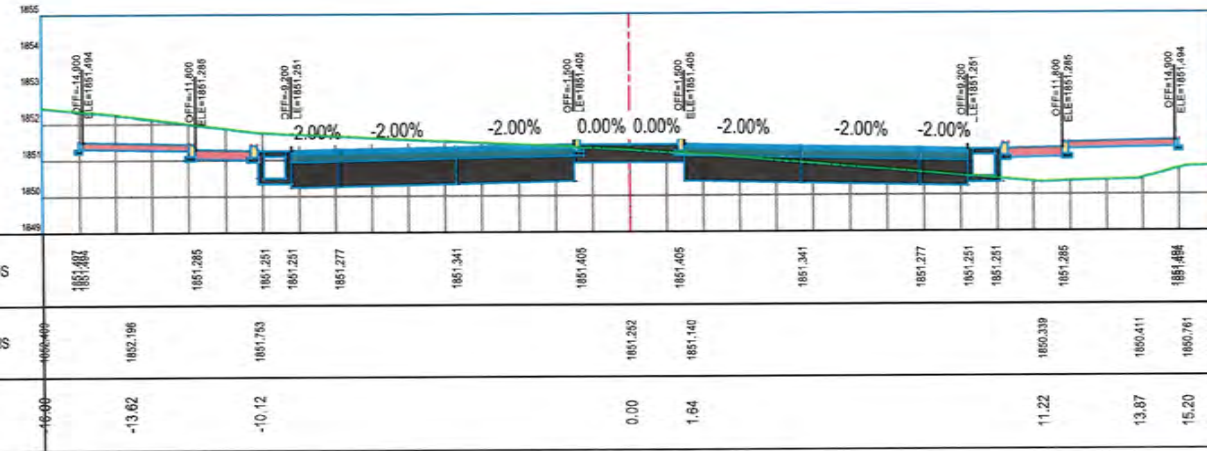
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

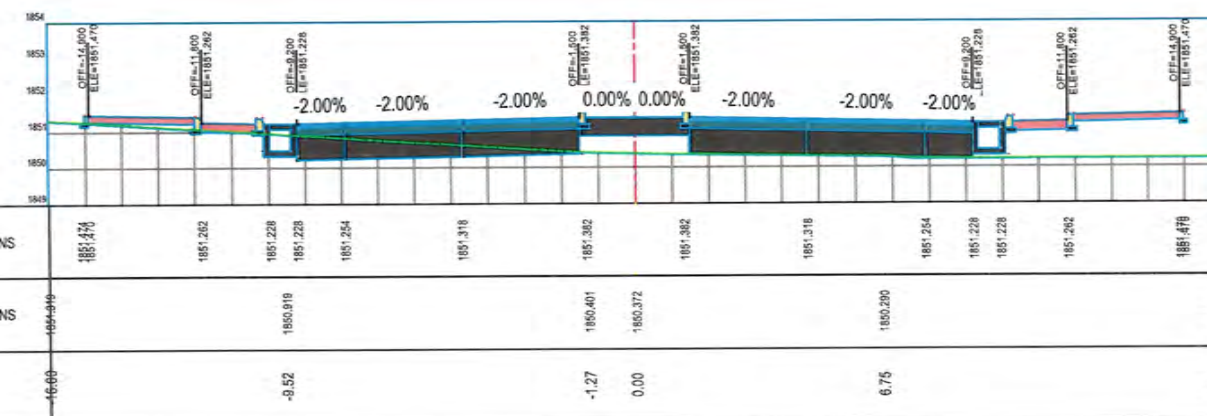
Status: **FINAL
DESIGN**

Project Code

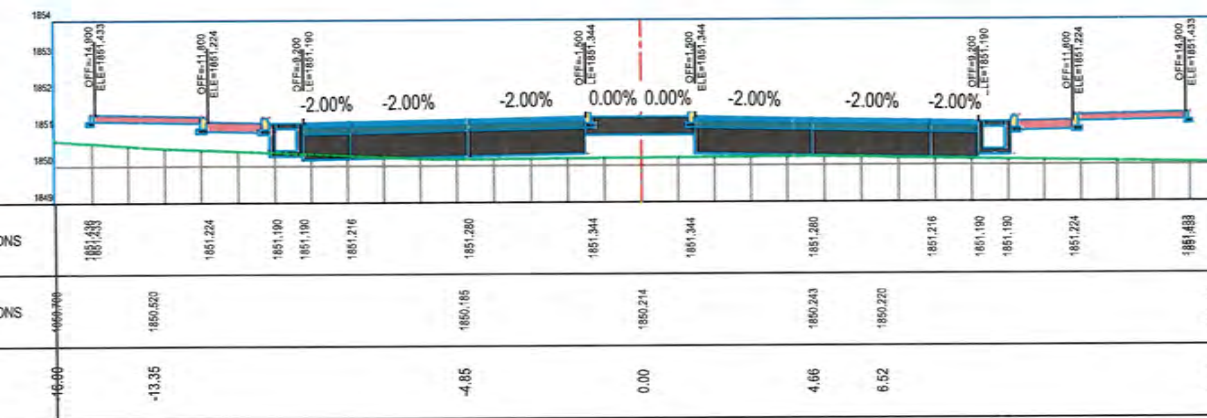
SHEET NO. MR-CS - (37)	Revision 01
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STATION=1+540



STATION=1+520



STATION=1+500

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

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

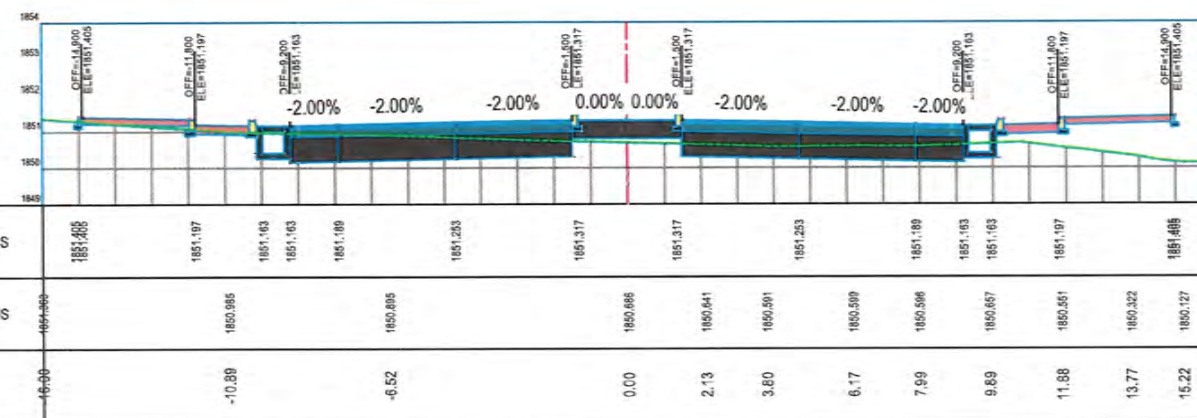
Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

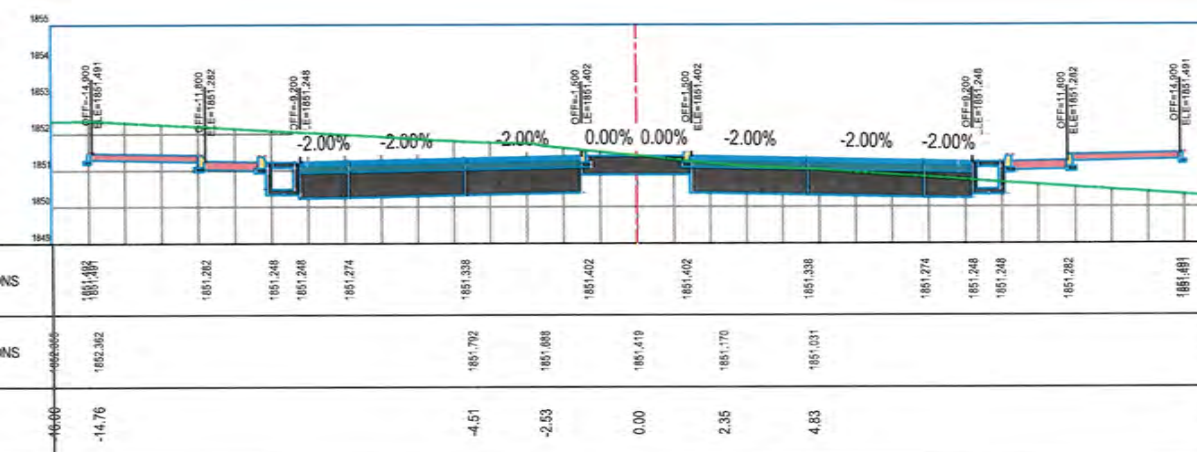
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:
Date: 10/29/2024	Scale: 1:200
Status: FINAL DESIGN	
Project Code:	
SHEET NO. MR-CS - (38)	Revision 01



STATION=1+600



STATION=1+580



STATION=1+560

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi
Checked:

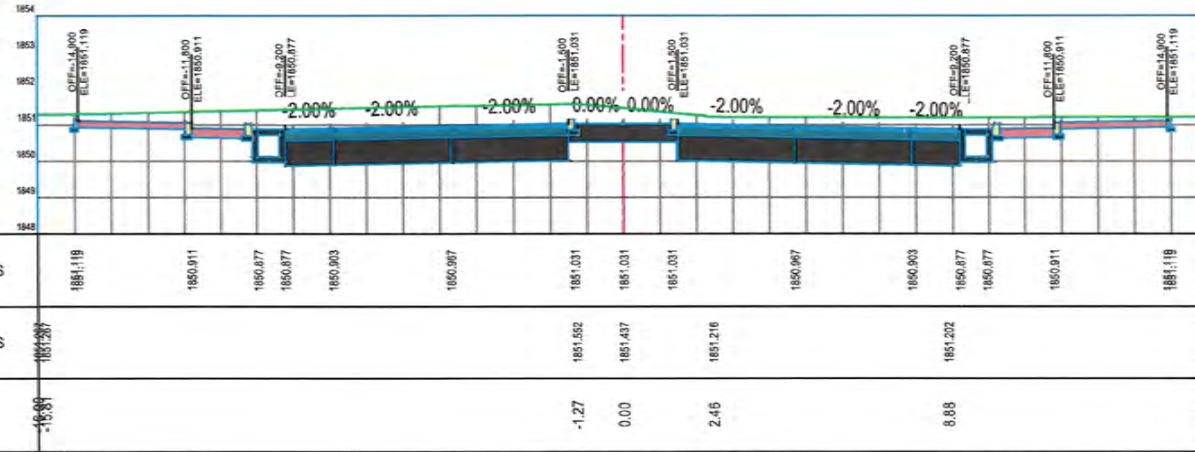
Date: 10/29/2024
Scale: 1:200

Status: FINAL
DESIGN

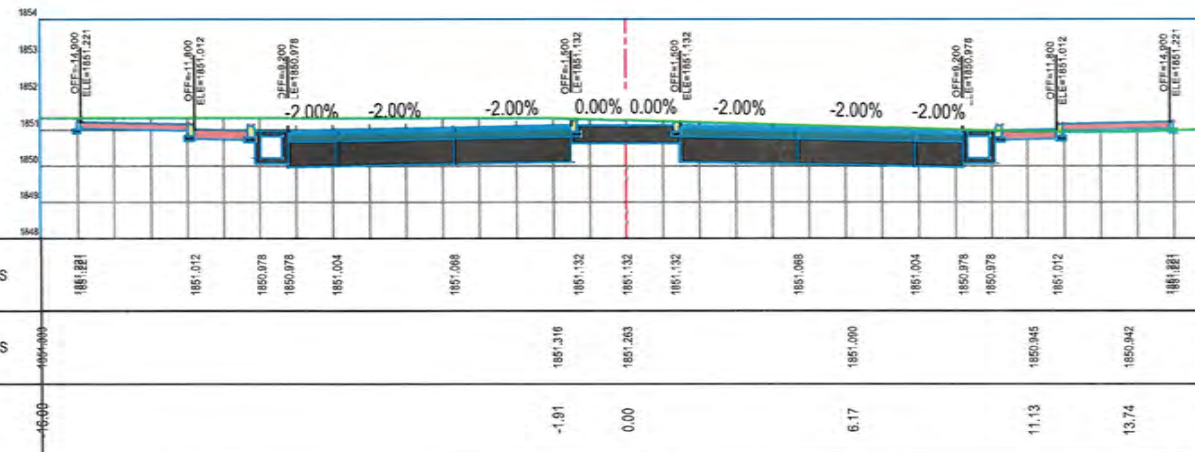
Project Code:

SHEET NO.
MR-CS - (39)

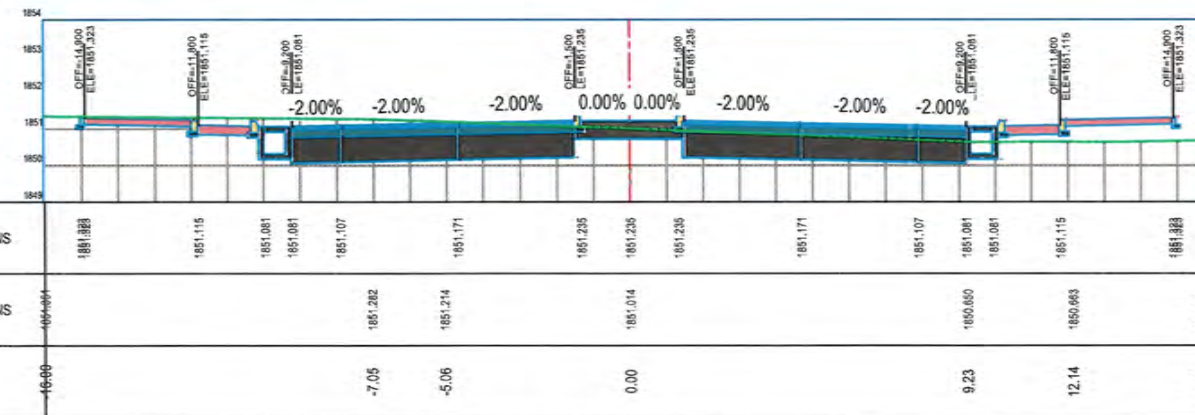
Revision
01



STATION=1+659



STATION=1+640



STATION=1+620

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:
Nakhas to Omid-e-Sabr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

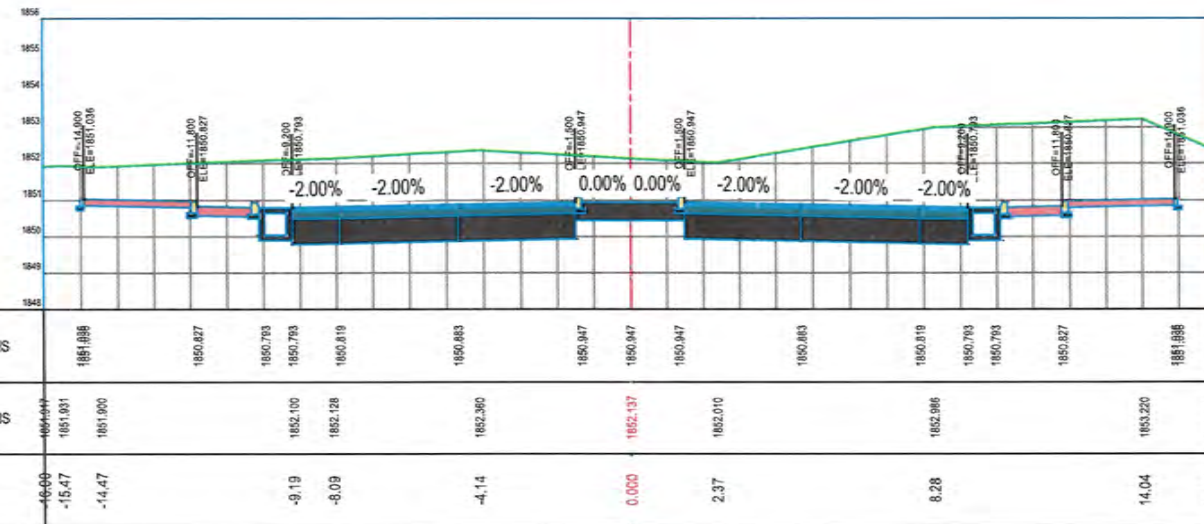
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

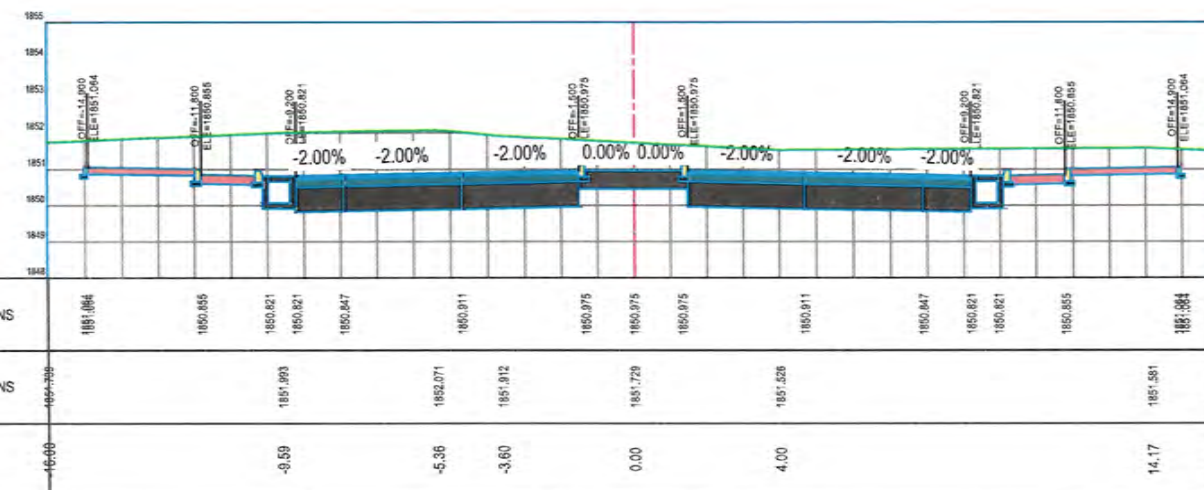
Status: FINAL
DESIGN

Project Code

SHEET NO. MR-CS - (40) Revision 01



STATION=1+675



STATION=1+670



STATION=1+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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

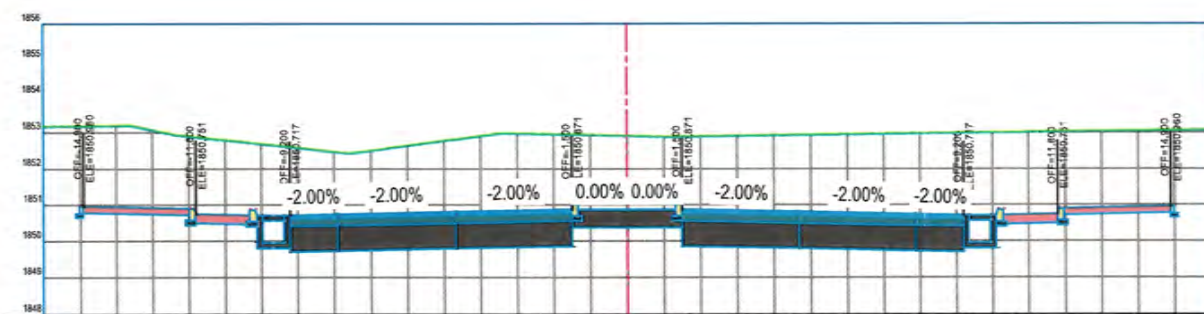
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

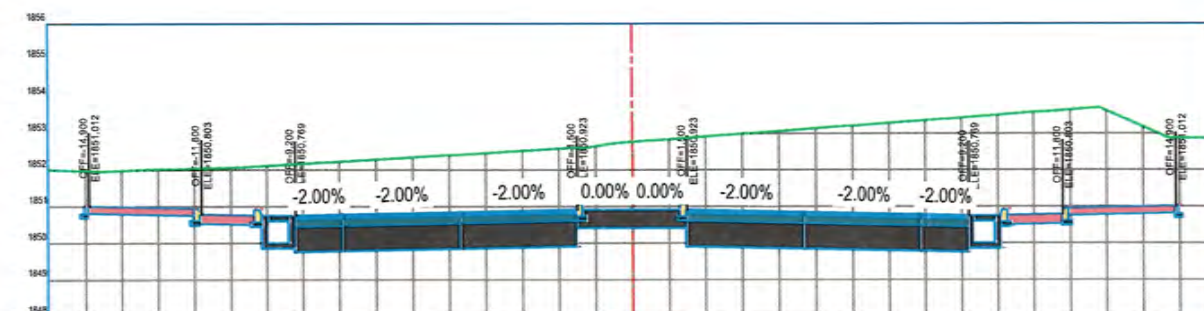
Project Code

SHEET NO. MR-CS - (41) Revision 01



FINISHED ELEVATIONS	1855.988	1850.751	1850.717	1850.717	1850.743	1850.807	1850.871	1850.871	1850.871	1850.807	1850.743	1850.717	1850.717	1850.751	1855.988
EXISTING ELEVATIONS	1853.458	1853.177	1852.818		1852.421	1852.881	1852.822	1852.880	1852.885			1852.889			1853.458
OFFSET	-16.00	-13.56	-12.32		-7.57	-3.45	-1.34	0.00	1.09			10.90			16.00

STATION=1+690



FINISHED ELEVATIONS	1851.812	1850.803	1850.769	1850.769	1850.795	1850.859	1850.923	1850.923	1850.923	1850.859	1850.795	1850.769	1850.769	1850.803	1851.812
EXISTING ELEVATIONS	1853.458	1851.963	1852.013		1852.078		1852.595	1852.772				1853.719	1852.878		1853.458
OFFSET	-16.00	-14.57	-13.25		-10.70		-1.35	0.00				12.83	14.74		16.00

STATION=1+680

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

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

Date:
10/29/2024

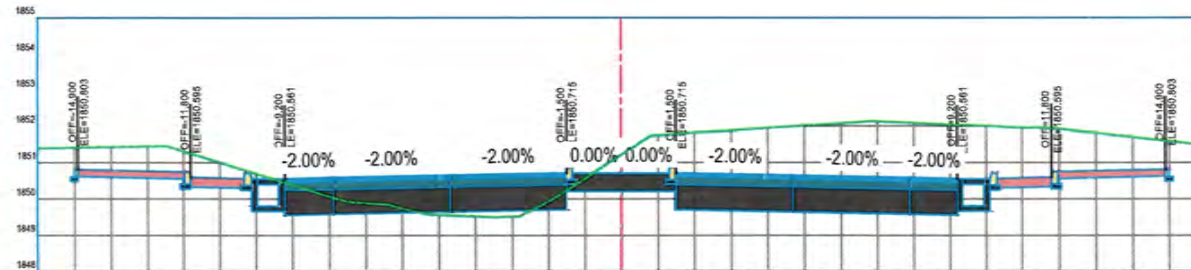
Scale:
1:200

Status:
FINAL
DESIGN

Project Code

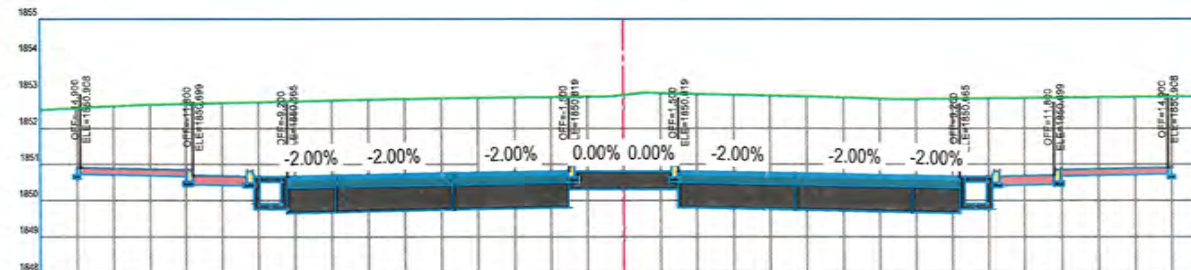
SHEET NO.
MR-CS - (42)

Revision
01



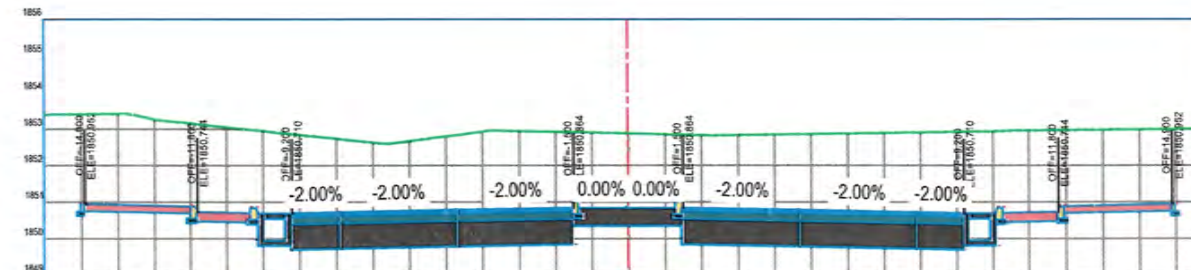
FINISHED ELEVATIONS	1850.883	1850.595	1850.561	1850.561	1850.587	1850.651	1850.715	1850.715	1850.715	1850.681	1850.587	1850.561	1850.561	1850.595	1850.883
EXISTING ELEVATIONS	1849.497	1851.471			1849.300	1849.854	1849.561	1849.495	1850.043	1851.213		1852.139		1851.946	1849.497
OFFSET	-16.00	-12.48			-7.52	-6.42	-5.30	-3.45	-1.80	0.00		6.89		11.16	-16.00

STATION=1+720



FINISHED ELEVATIONS	1850.883	1850.699	1850.665	1850.665	1850.691	1850.755	1850.819	1850.819	1850.819	1850.755	1850.691	1850.665	1850.665	1850.699	1850.883
EXISTING ELEVATIONS	1852.276	1852.696				1852.822		1852.806		1852.885	1852.782				1852.276
OFFSET	-16.00	-14.41	-12.33			-4.64		0.00		5.28	7.87				-16.00

STATION=1+700



FINISHED ELEVATIONS	1850.883	1850.744	1850.710	1850.710	1850.736	1850.800	1850.864	1850.864	1850.864	1850.800	1850.736	1850.710	1850.710	1850.744	1850.883
EXISTING ELEVATIONS	1852.443	1853.261			1852.595	1852.965		1852.891		1852.837		1852.945			1852.443
OFFSET	-16.00	-12.91			-6.58	-3.75	0.00		2.30			10.32			-16.00

STATION=1+691

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:
Nakhas to Omid-e-Sabz Road Project

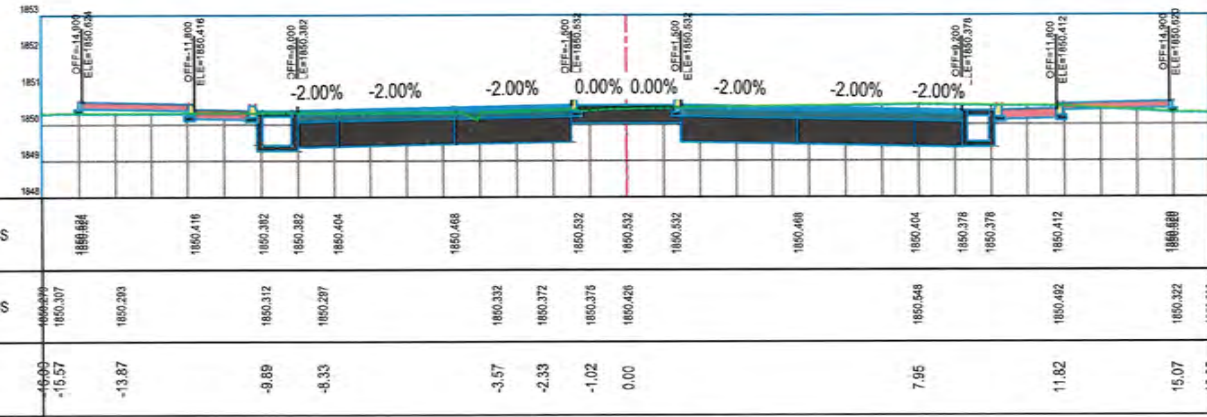
Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:
Date: 10/29/2024	Scale: 1:200

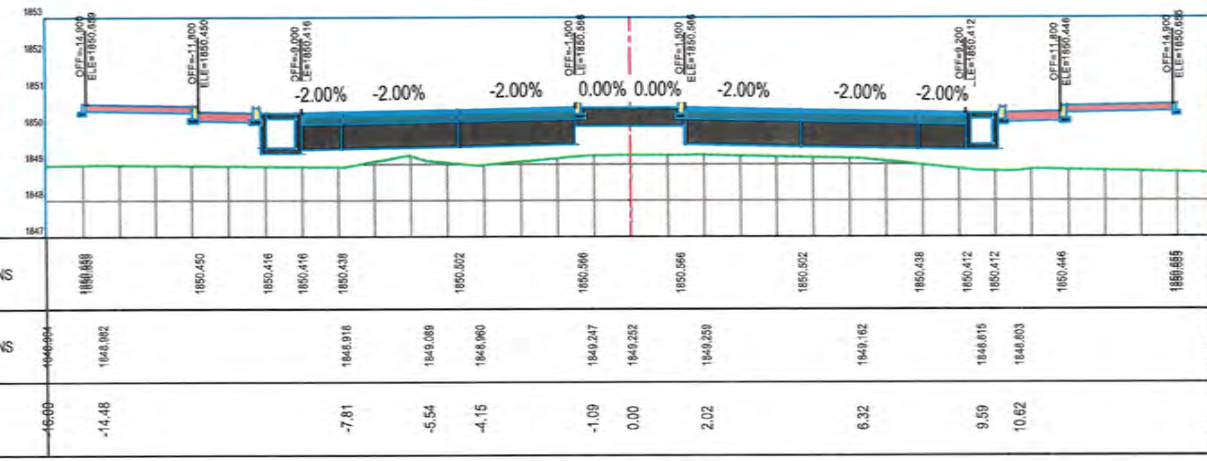
Status: **FINAL DESIGN**

Project Code:

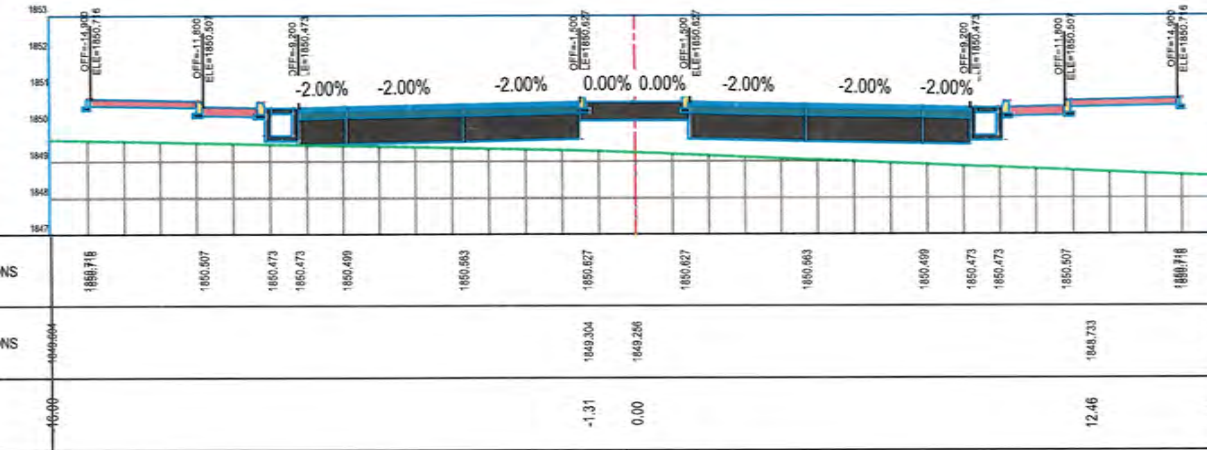
SHEET NO. MR-CS - (43)	Revision 01
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STATION=1+780



STATION=1+760



STATION=1+740

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

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

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

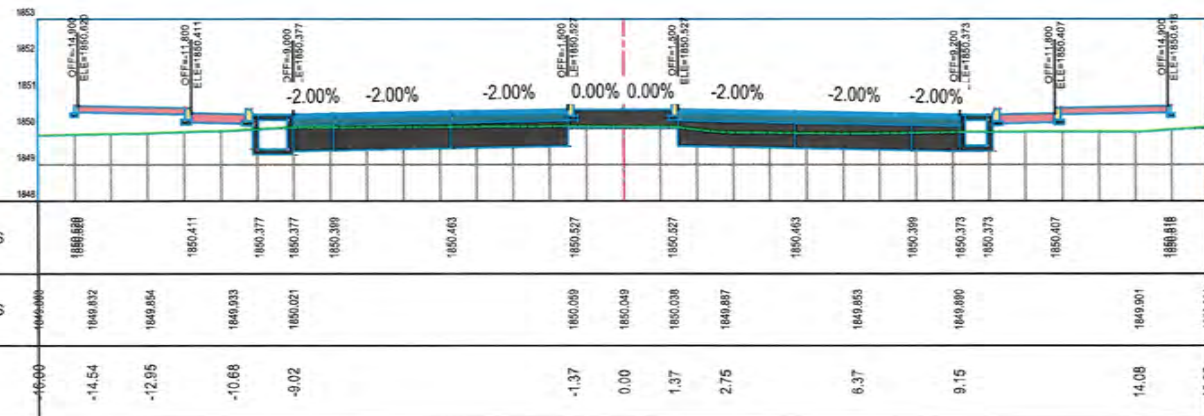
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Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 10/29/2024
Scale: 1:200

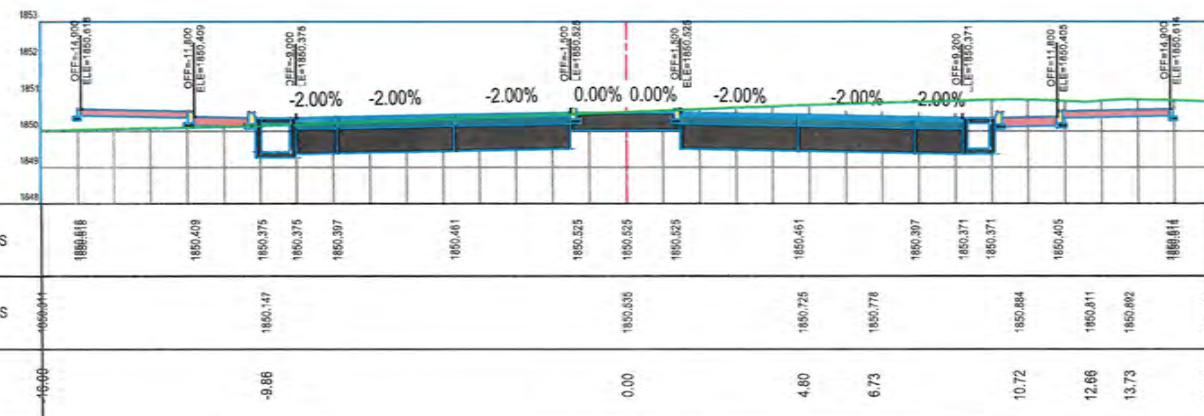
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Project Code:

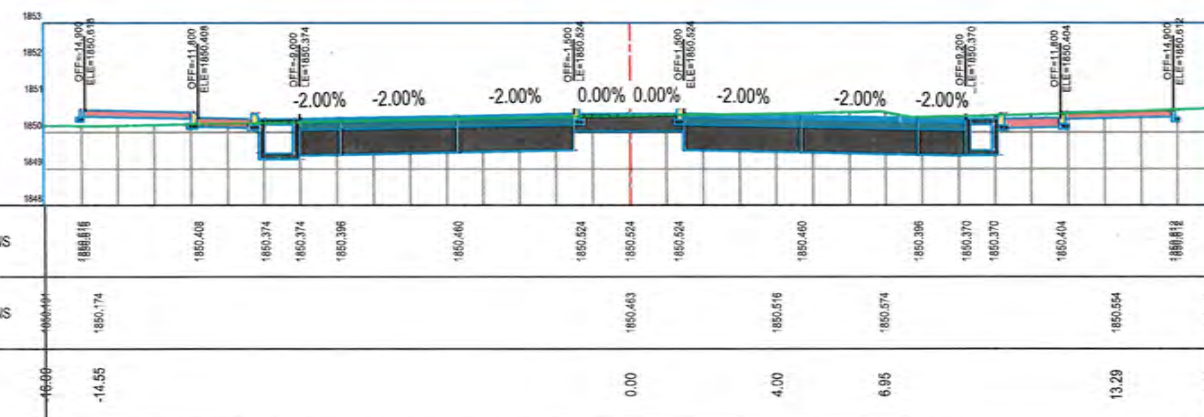
SHEET NO. MR-CS - (44)
Revision: 01



STATION=1+840



STATION=1+820



STATION=1+800

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

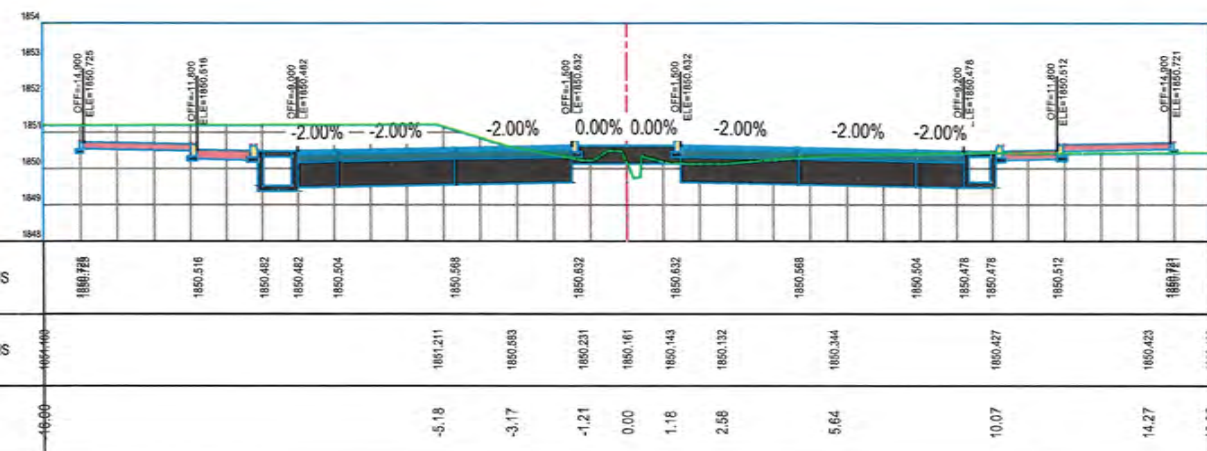
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024	Scale: 1:200
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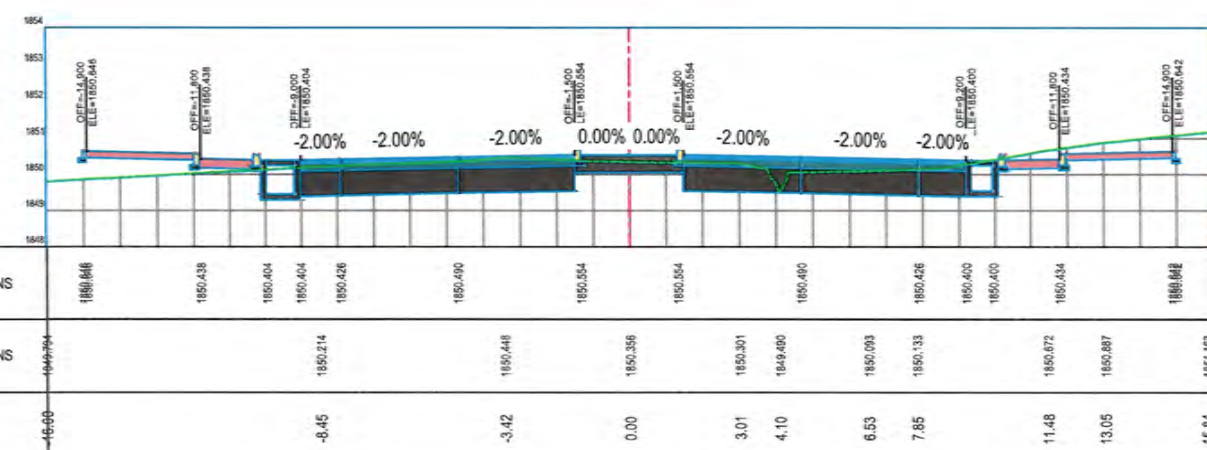
Status: **FINAL
DESIGN**

Project Code

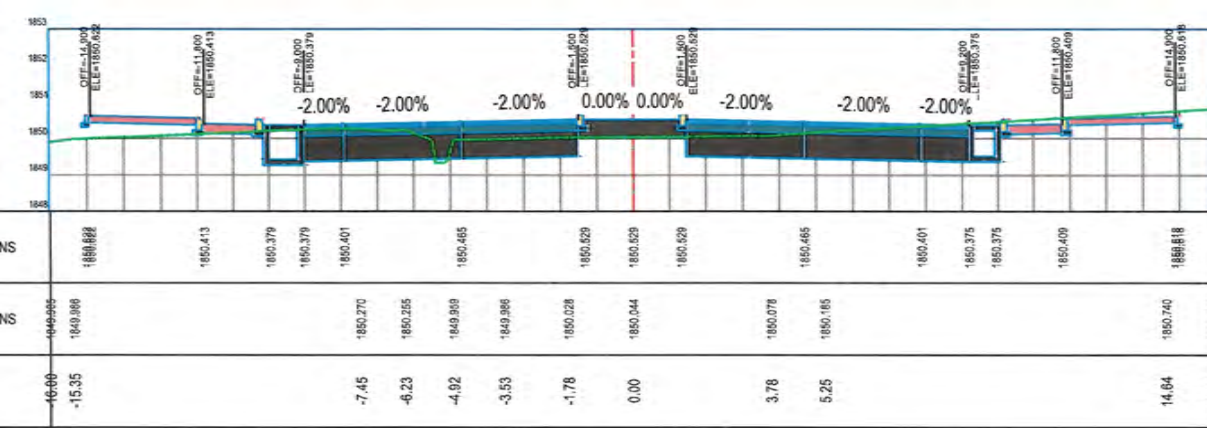
SHEET NO. MR-CS - (45)	Revision 01
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STATION=1+900



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:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

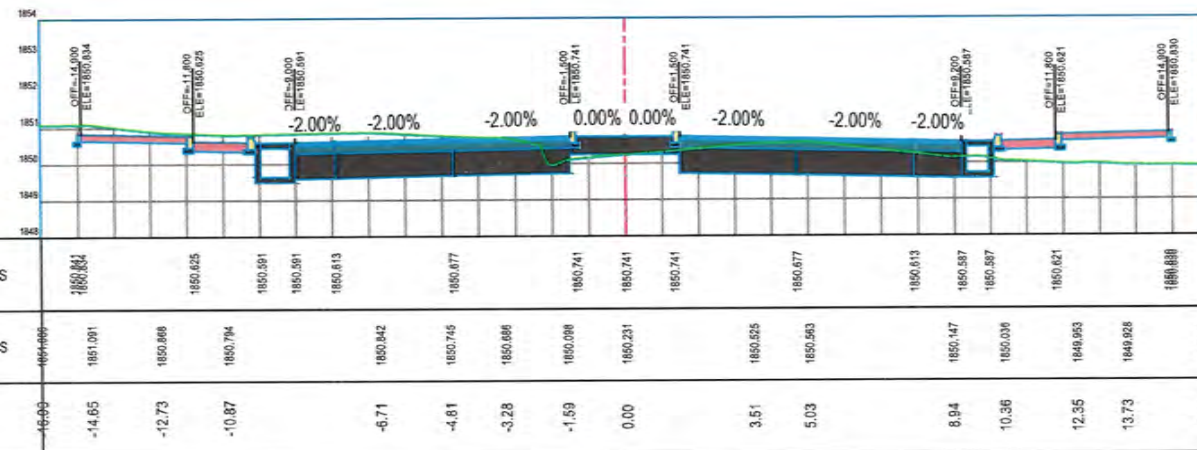
Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024	Scale: 1:200
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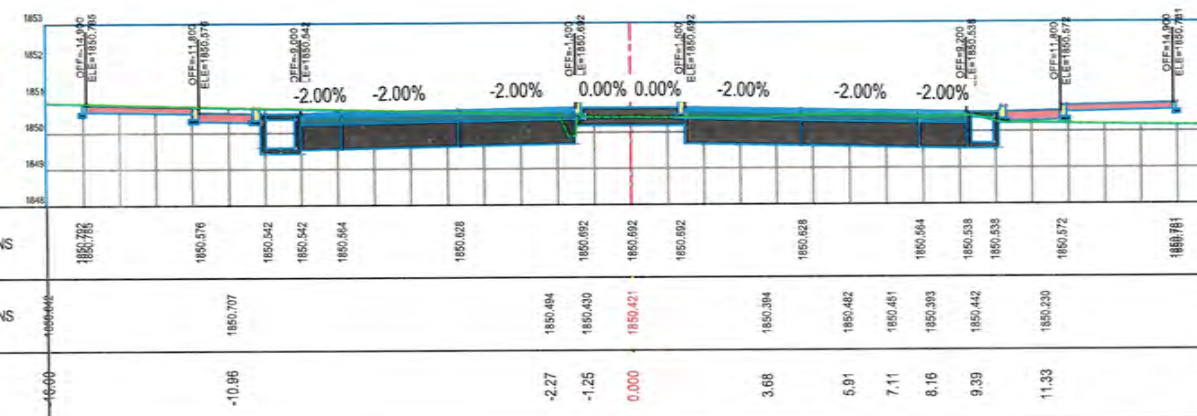
Status:
FINAL
DESIGN

Project Code

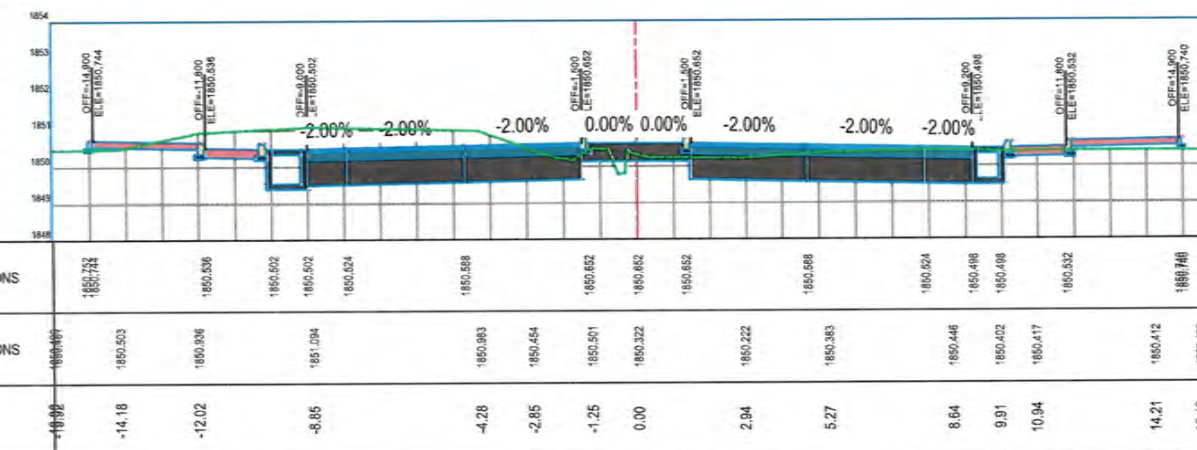
SHEET NO. MR-CS - (46)	Revision 01
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STATION=1+917



STATION=1+910



STATION=1+903

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:
Nahhas to Ormid-e-Sahr Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzadeh Signature:

Designed: M.Ali Dawlatzadeh Signature:

Checked: Hasibullah Shalizi Signature:

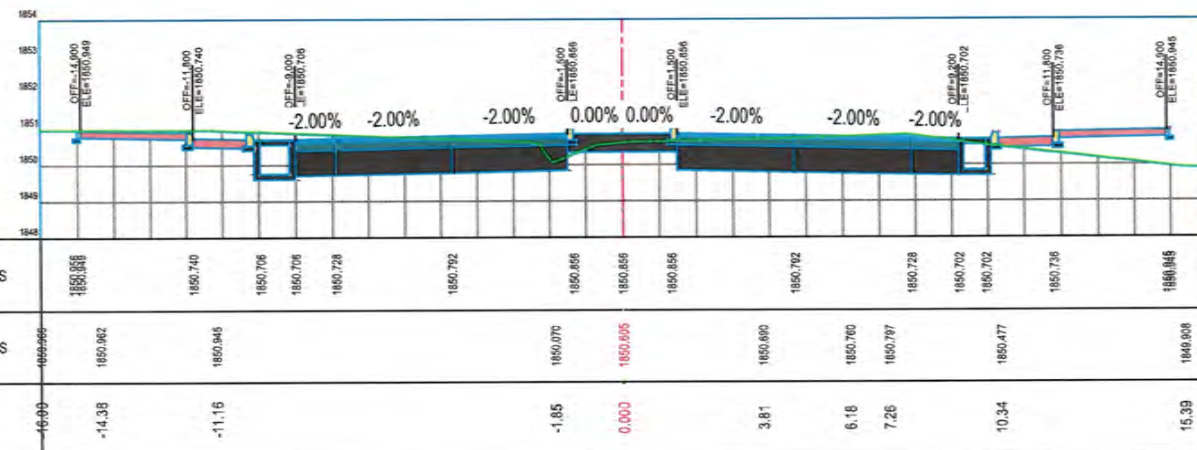
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

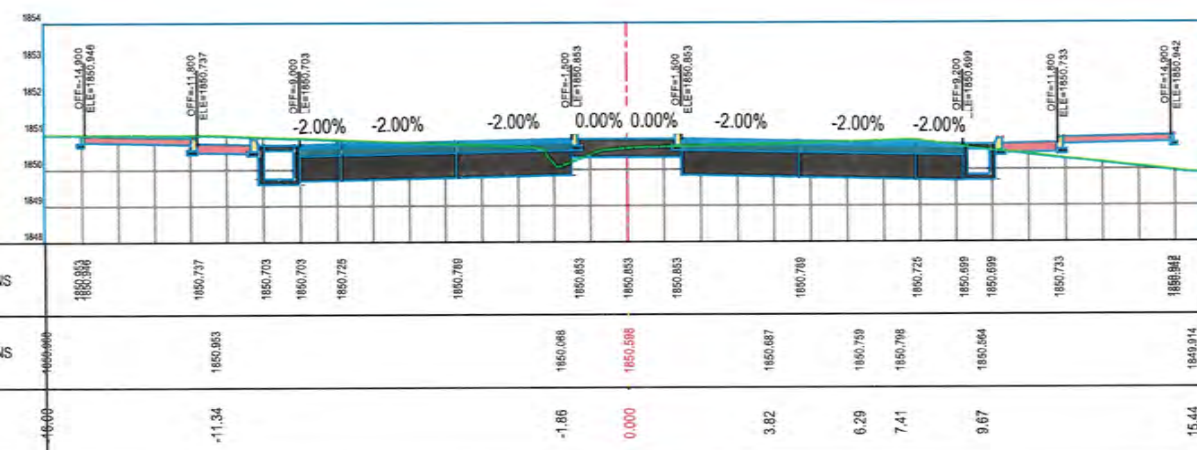
Status: **FINAL DESIGN**

Project Code

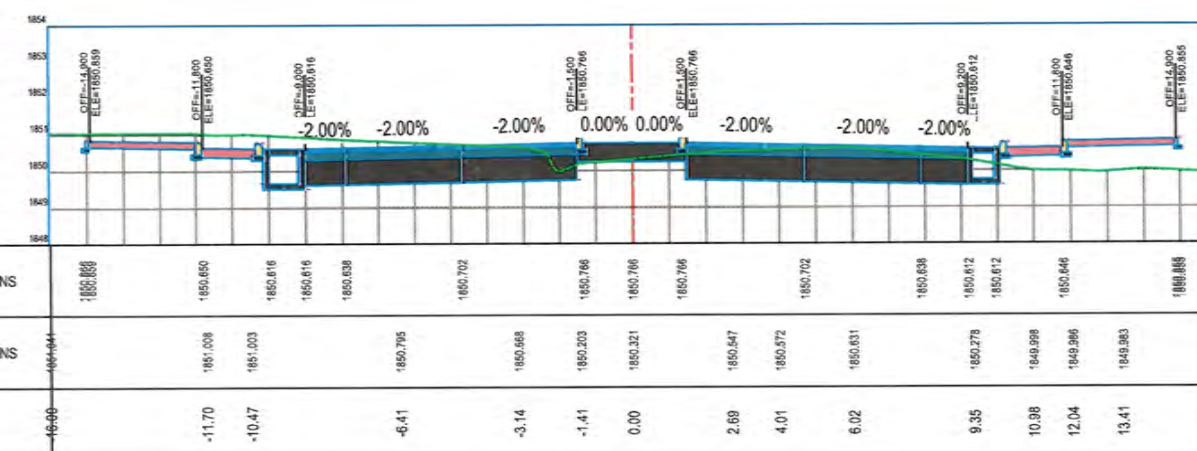
SHEET NO. MR-CS - (47) Revision 01



STATION=1+930



STATION=1+930



STATION=1+920

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

Project Code

SHEET NO. MR-CS - (48)

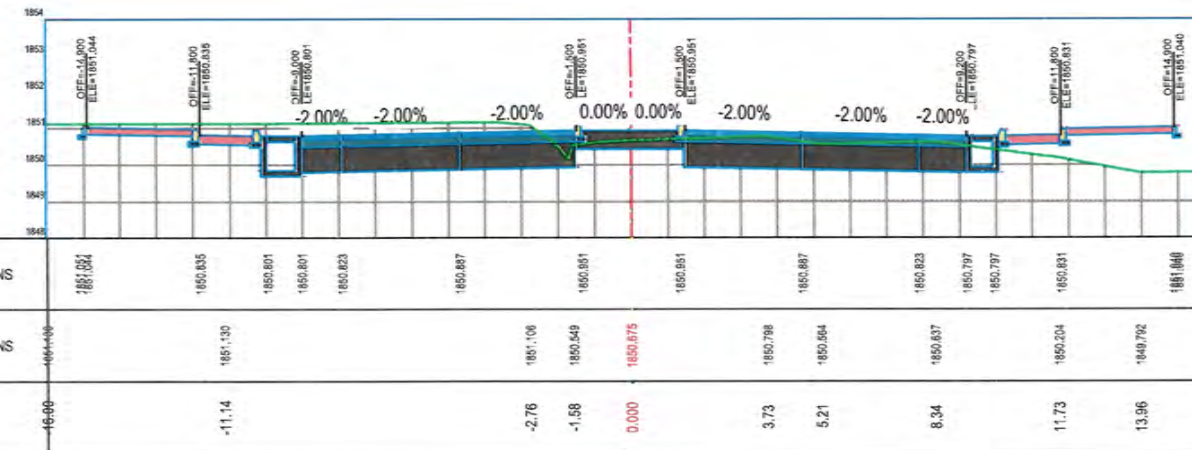
Revision 01



STATION=1+980



STATION=1+960



STATION=1+940

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:
Nakhsh-e-Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

Project Code:

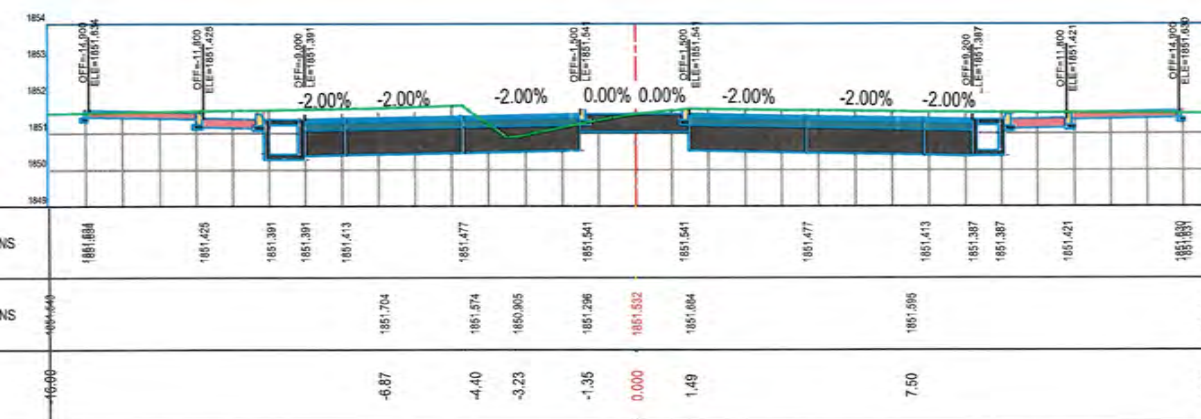
SHEET NO. MR-CS - (49) Revision 01



STATION=2+040



STATION=2+020



STATION=2+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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

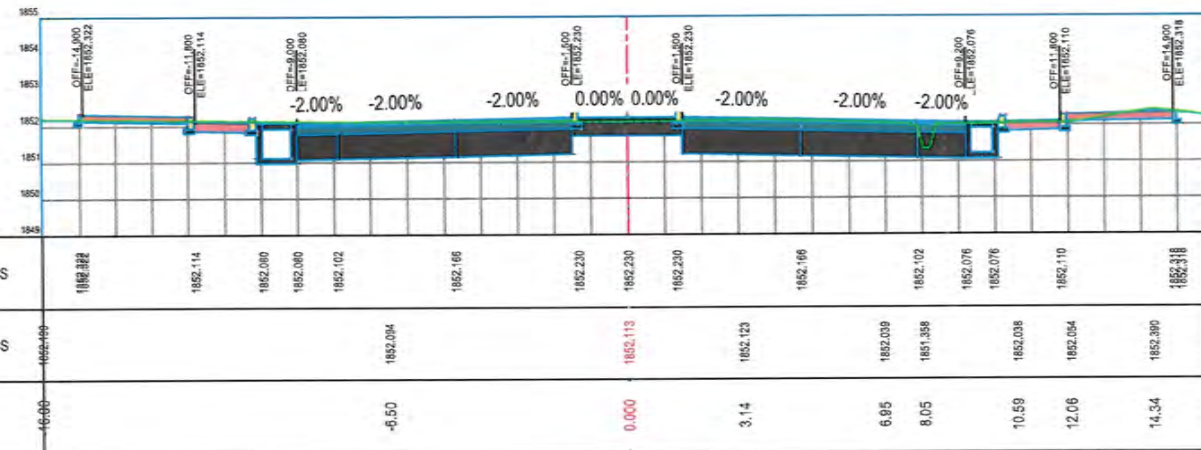
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hussein Shahzad	Signature:
Checked:	Signature:

Date: 10/29/2024	Scale: 1:200
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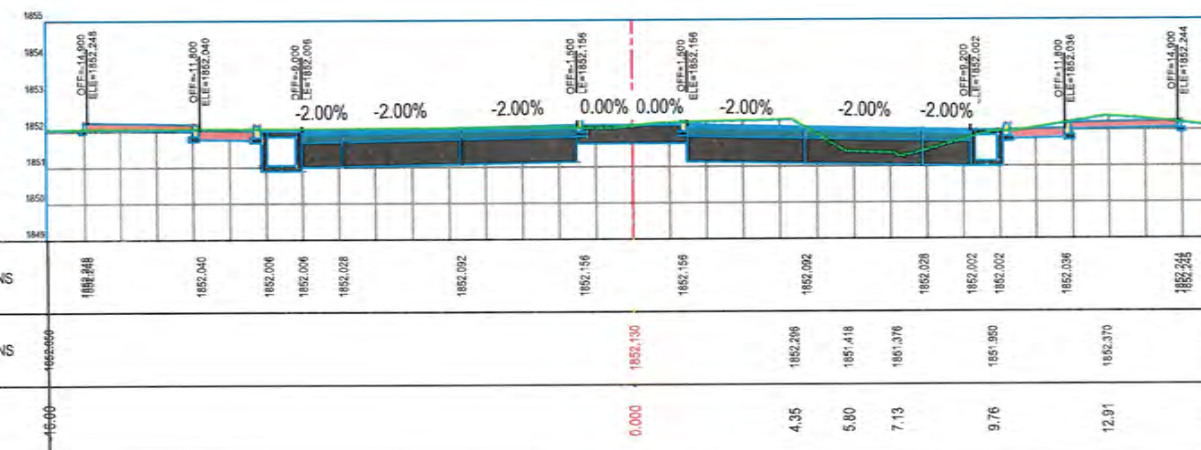
Status: **FINAL
DESIGN**

Project Code:

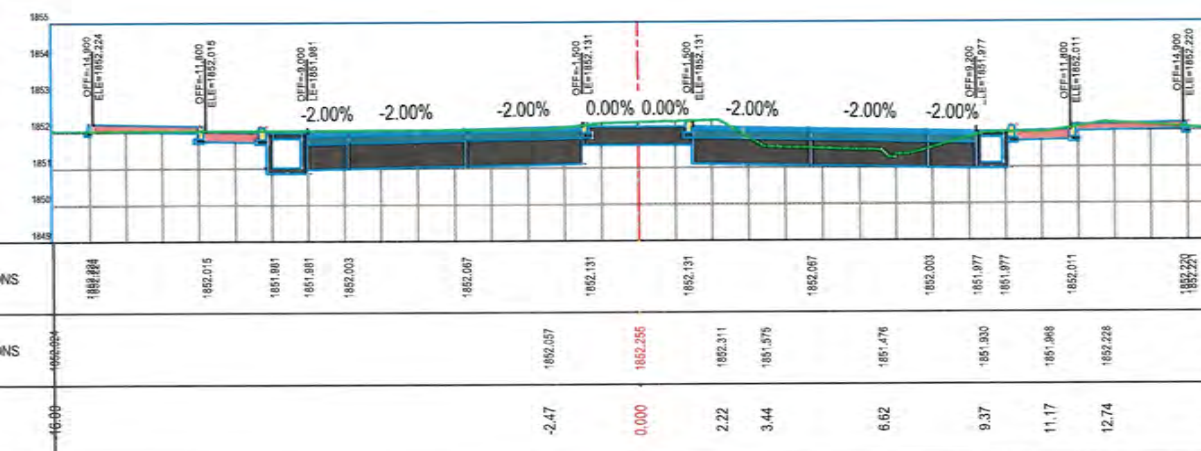
SHEET NO. MR-CS - (50)	Revision 01
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STATION=2+070






STATION=2+062

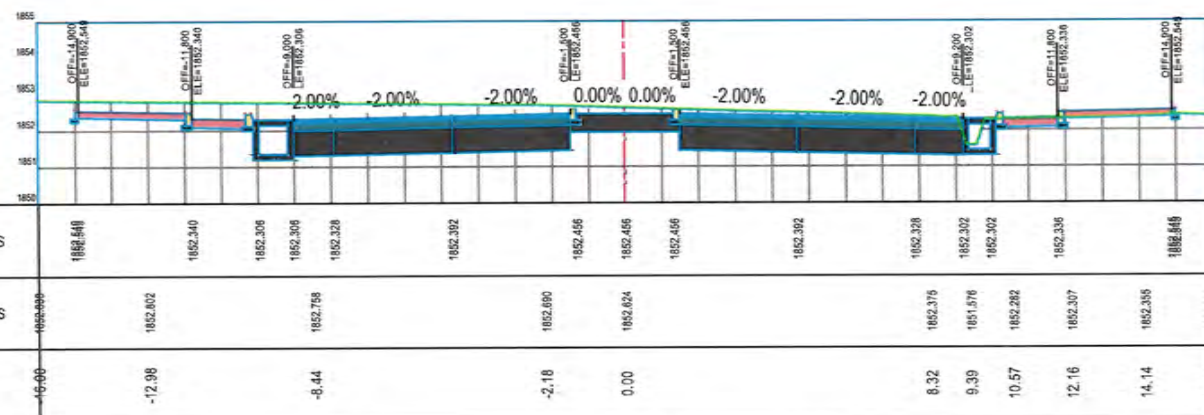


STATION=2+060

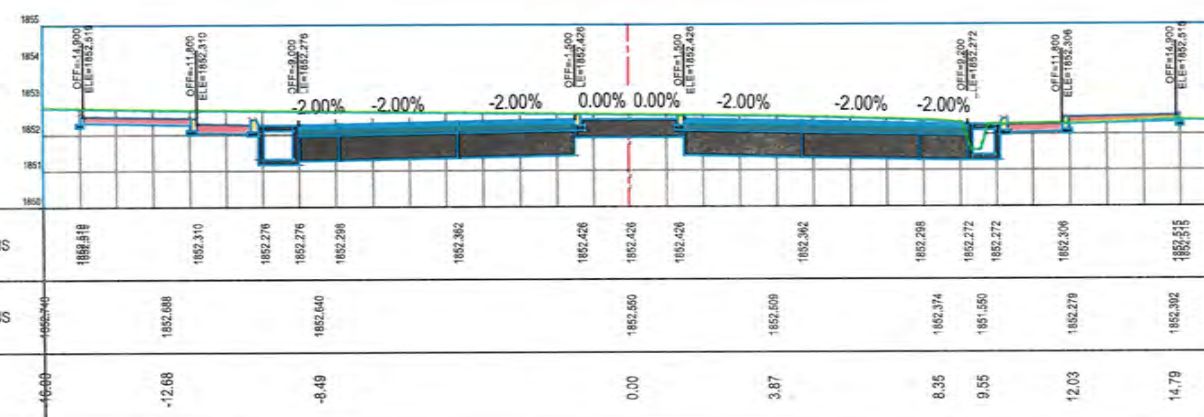
NOTE:
1. All dimensions are in meters unless otherwise indicated.



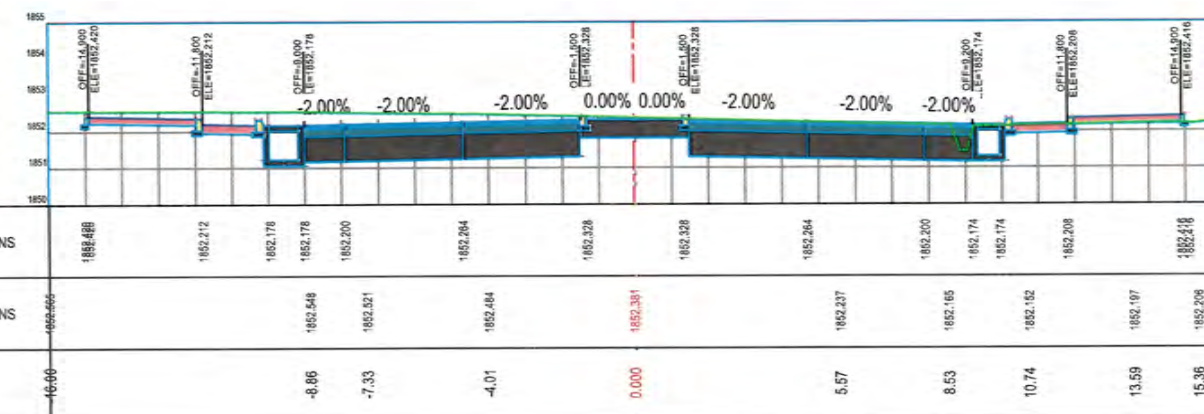
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name: Nakhas to Omid-e-Sahr Road Project					
Drawing Title:					
CROSS SECTION					
Drawn: M. Ali Dawlatzada			Signature: 		
Designed: M. Ali Dawlatzada			Signature: 		
Checked: Hasibullah Shalizi			Signature: 		
Checked:			Signature:		
Date: 10/29/2024			Scale: 1:200		
Status: FINAL DESIGN					
Project Code					
SHEET NO.					Revision
MR-CS - (51)					01



STATION=2+093



STATION=2+090



STATION=2+080

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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhsh-e Omid-e Sahz Road Project

Drawing Title:
CROSS SECTION

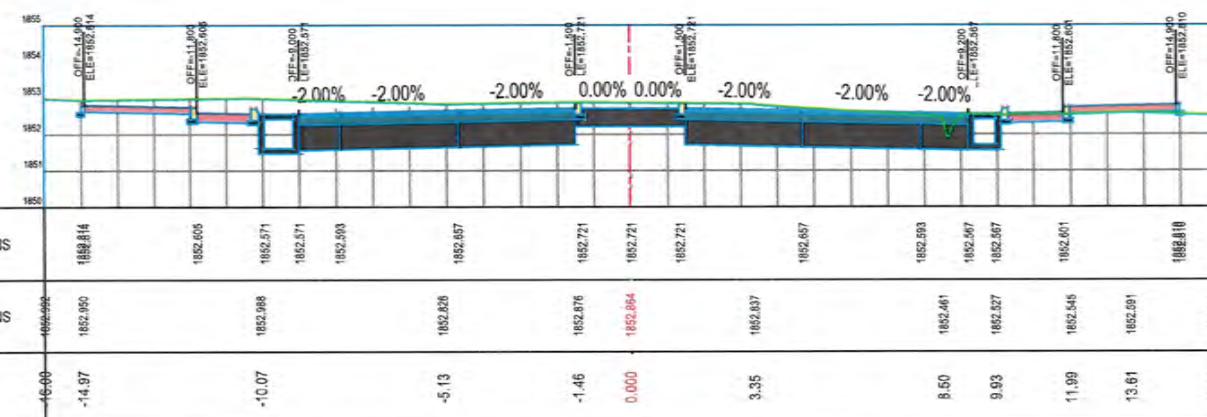
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi
Checked:

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

Date: 10/29/2024
Scale: 1:200

Status: FINAL DESIGN
Project Code:

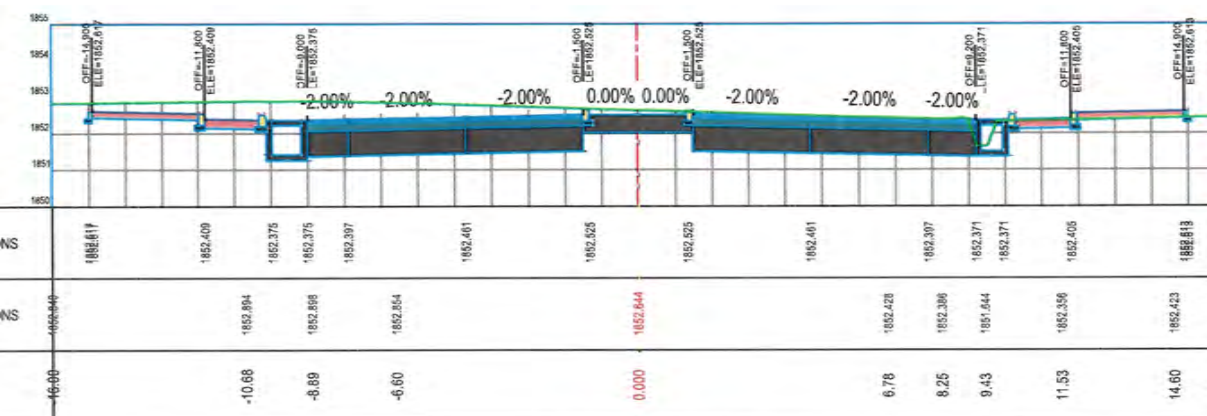
SHEET NO. MR-CS - (52)
Revision: 01



STATION=2+120



STATION=2+110



STATION=2+100

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

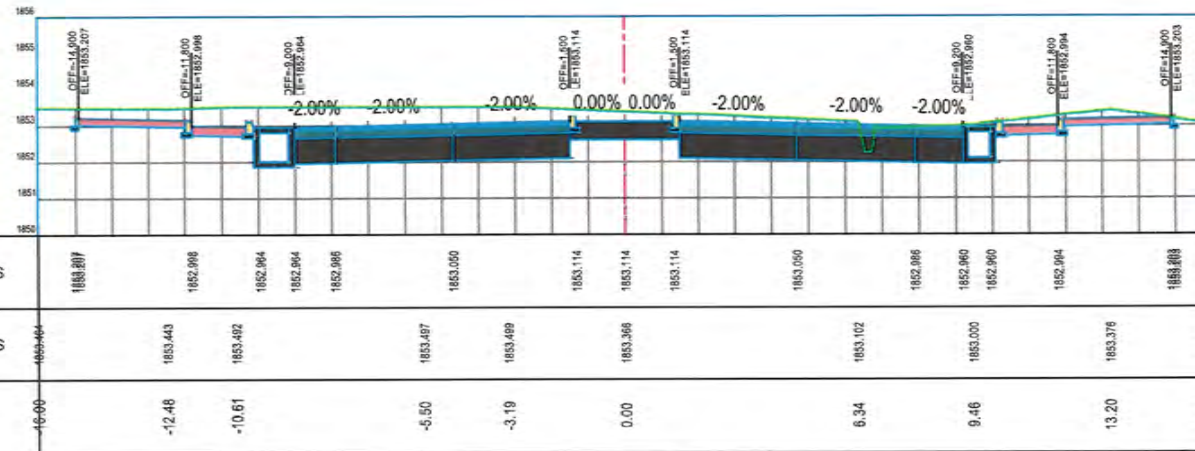
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

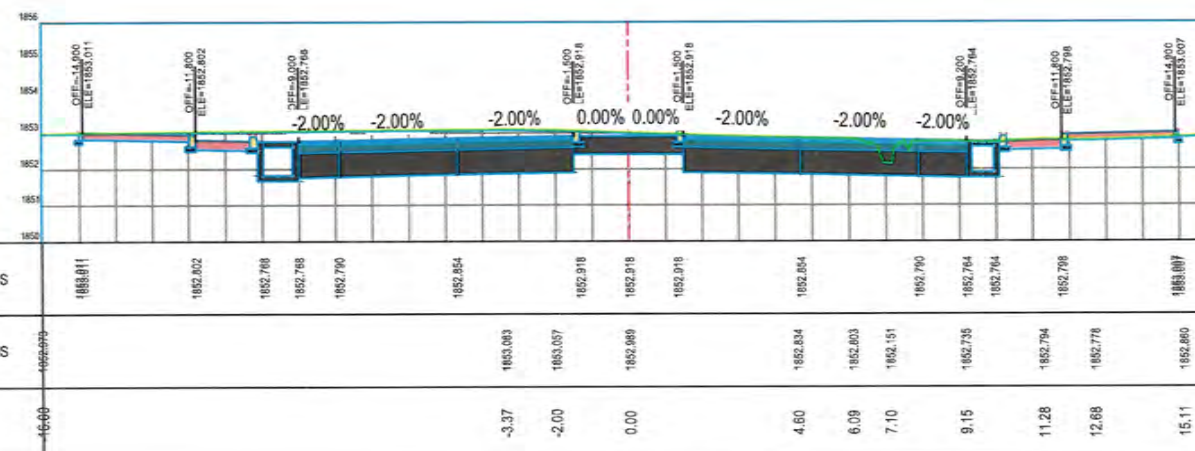
Status: FINAL
DESIGN

Project Code

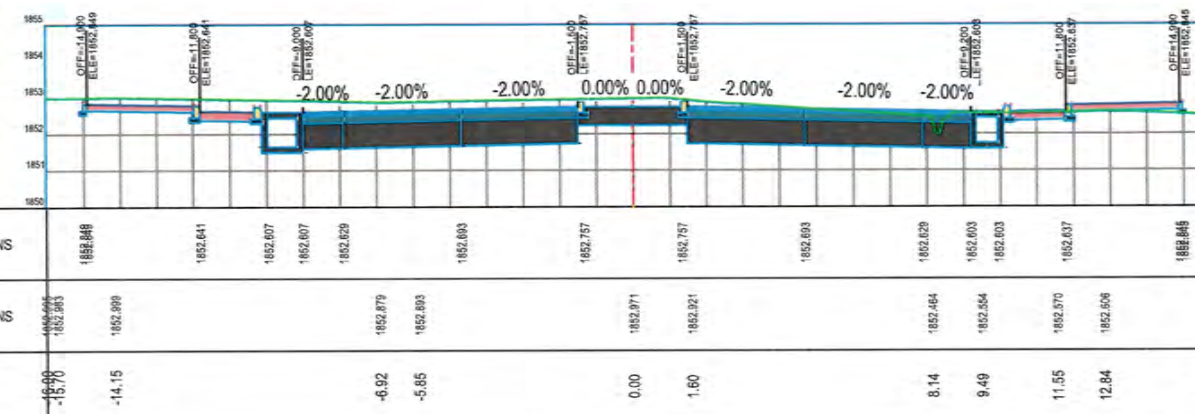
SHEET NO. MR-CS - (53) Revision 01



STATION=2+160




STATION=2+140

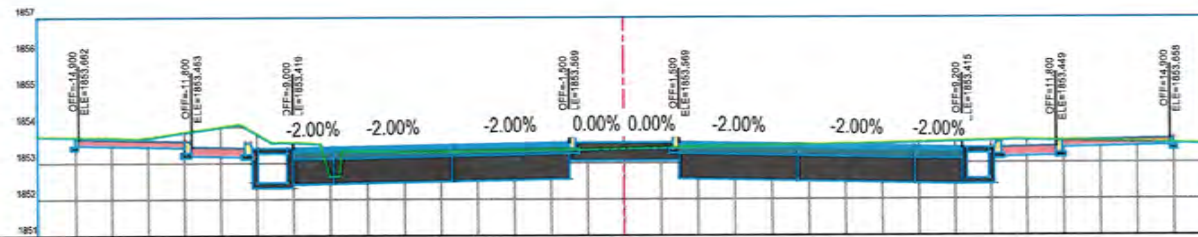


STATION=2+124

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

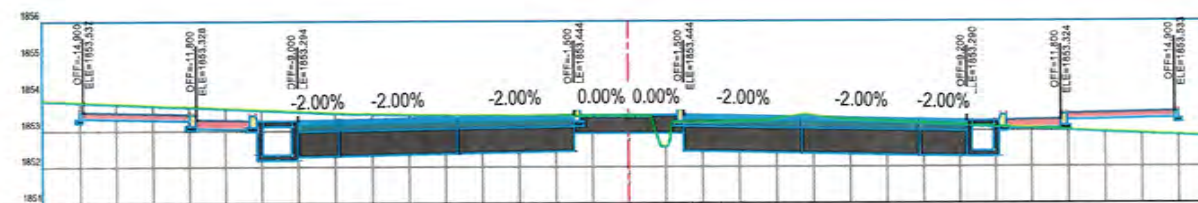


Rev.	Date	Revision Details			Drawn	Chd.	Appd.		
ISLAMIC EMIRATE OF AFGHANISTAN									
Designed By:									
KABUL MUNICIPALITY DESIGN TEAM									
Project Name: Nakhas to Omid-e-Sabz Road Project									
Drawing Title:									
CROSS SECTION									
Drawn: M.Ali Dawlatzada					Signature: 				
Designed: M.Ali Dawlatzada					Signature: 				
Checked: Hasibullah Shalizi					Signature: 				
Checked:					Signature:				
Date: 10/29/2024					Scale: 1:200				
Status: FINAL DESIGN									
Project Code									
SHEET NO.							Revision		
MR-CS - (54)									
01									



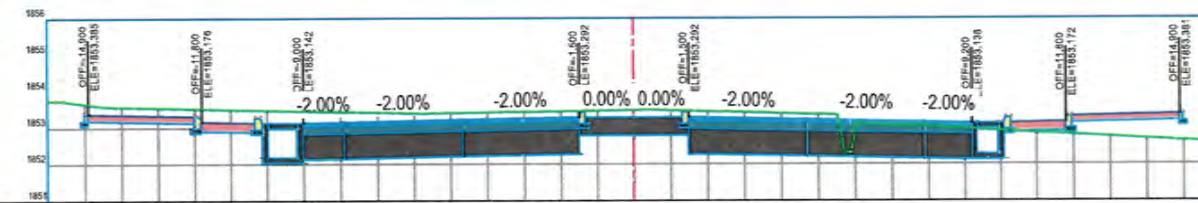
FINISHED ELEVATIONS	1853.662	1853.433	1853.419	1853.419	1853.441	1853.505	1853.569	1853.569	1853.569	1853.505	1853.441	1853.415	1853.449	1853.688
EXISTING ELEVATIONS	1853.700	1853.697	1854.068	1853.960	1853.304	1853.281	1853.298	1853.384	1853.448	1853.828	1853.540	1853.540	1853.540	1853.540
OFFSET	-14.26	-13.24	-10.44	-8.83	-7.67	-6.17	-4.47	0.00	3.95	10.71	14.73	16.00	16.00	16.00

STATION=2+220



FINISHED ELEVATIONS	1853.387	1853.328	1853.324	1853.324	1853.316	1853.380	1853.444	1853.444	1853.444	1853.380	1853.316	1853.295	1853.295	1853.324	1853.333
EXISTING ELEVATIONS	1853.466	1853.454	1853.431	1853.401	1852.582	1853.233	1853.254	1853.438	1853.438	1853.438	1853.438	1853.438	1853.438	1853.438	1853.438
OFFSET	-8.01	-6.81	-5.46	0.00	1.06	2.68	3.69	4.77	15.51	15.51	15.51	15.51	15.51	15.51	15.51

STATION=2+200



FINISHED ELEVATIONS	1853.388	1853.176	1853.142	1853.142	1853.164	1853.228	1853.292	1853.292	1853.292	1853.228	1853.164	1853.138	1853.138	1853.172	1853.381
EXISTING ELEVATIONS	1853.749	1853.694	1853.399	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402	1853.402
OFFSET	-15.58	-14.45	-5.78	0.00	4.78	5.88	7.80	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00

STATION=2+180

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

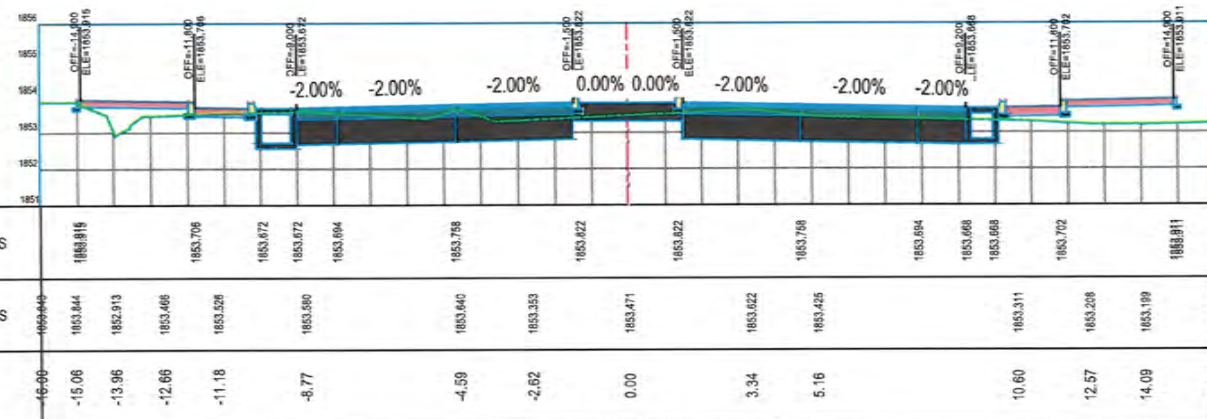
Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalori	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

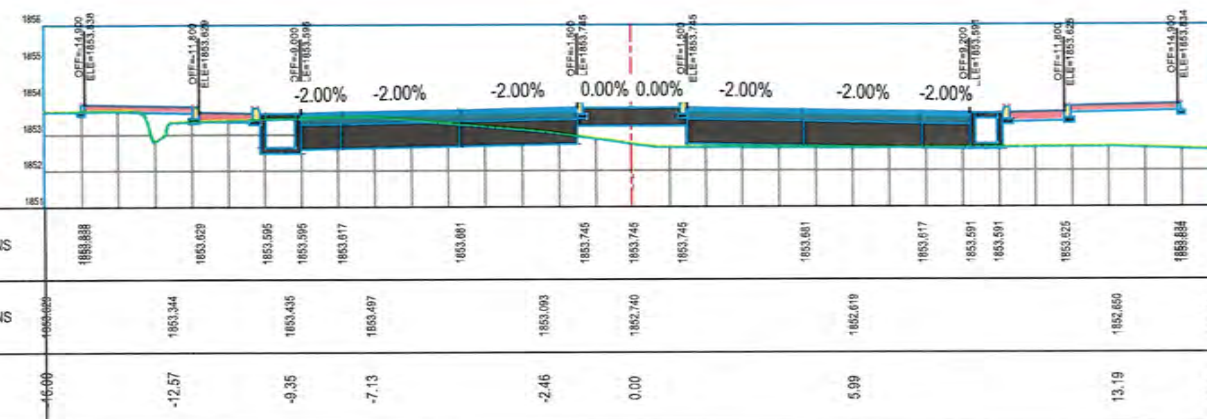
Status: FINAL DESIGN

Project Code

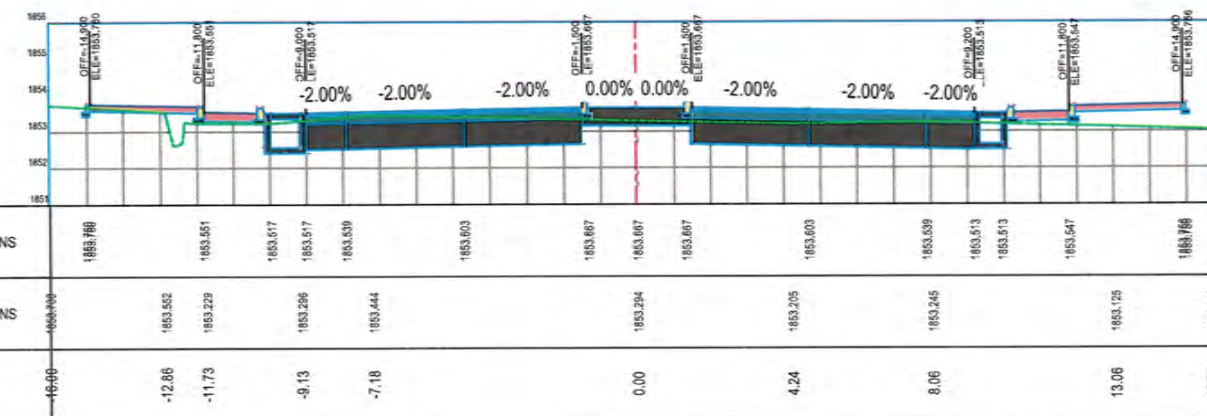
SHEET NO. MR-CS - (55)	Revision 01
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STATION=2+280



STATION=2+260



STATION=2+240

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

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

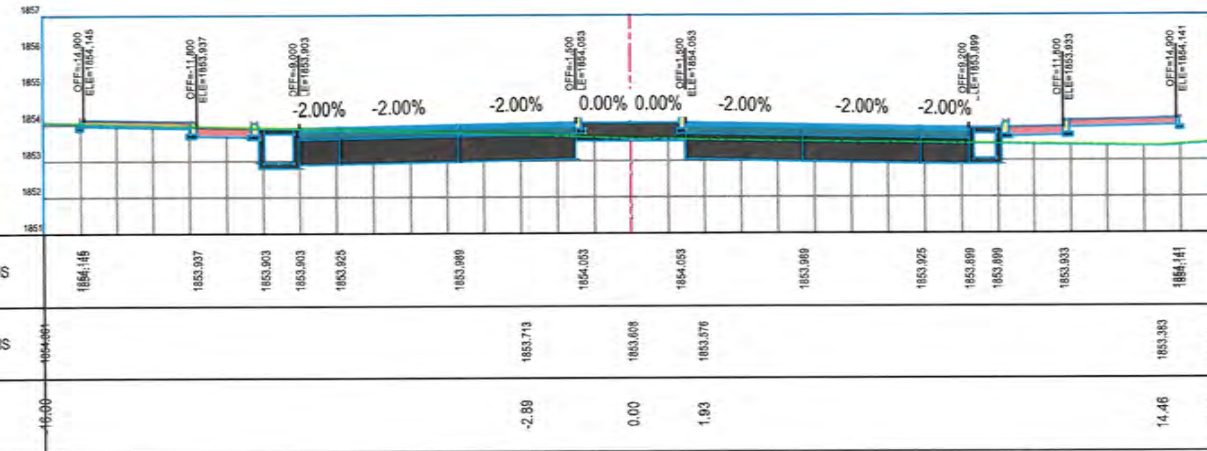
Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

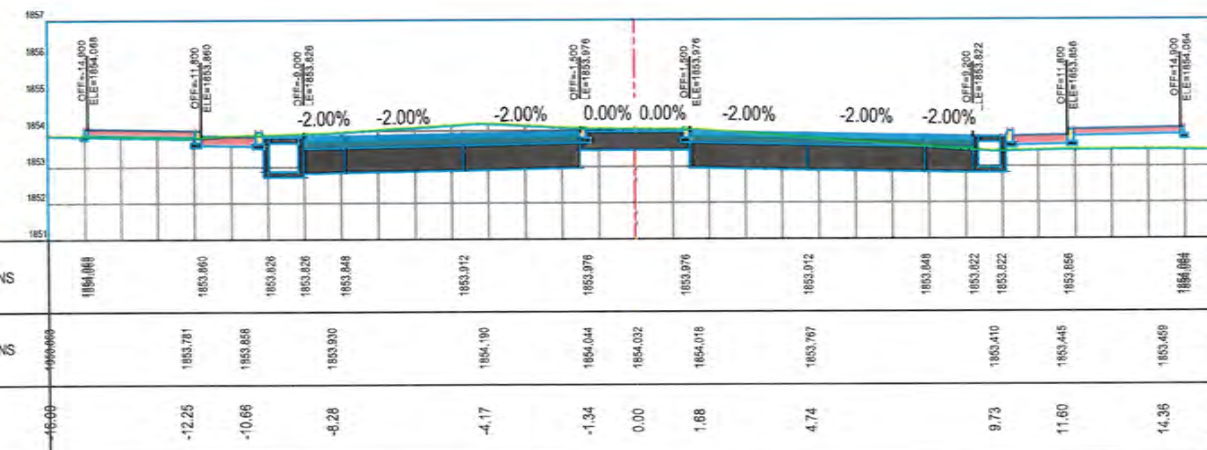
Project Code

SHEET NO. MR-CS - (56)

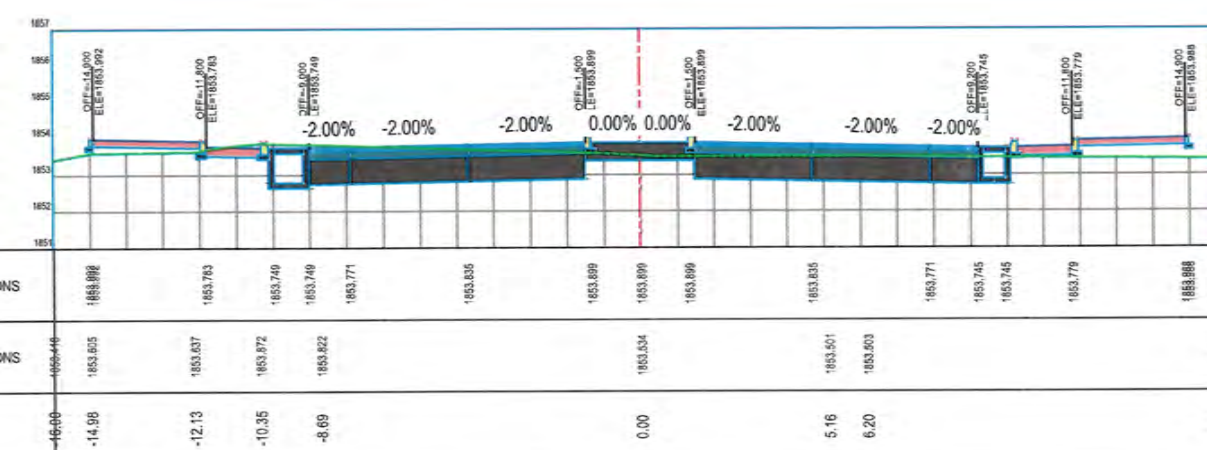
Revision 01



STATION=2+340



STATION=2+320



STATION=2+300

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:
Nahhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

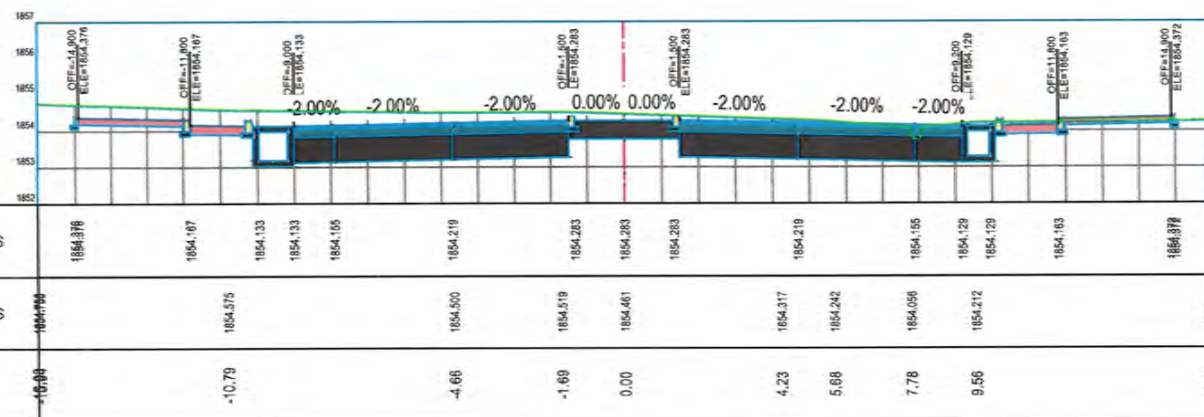
Drawn:	M.Ah Dawlatzada	Signature:	
Designed:	M.Ah Dawlatzada	Signature:	
Checked:	Hasibullah Shalizi	Signature:	
Checked:		Signature:	

Date: 10/29/2024 Scale: 1:200

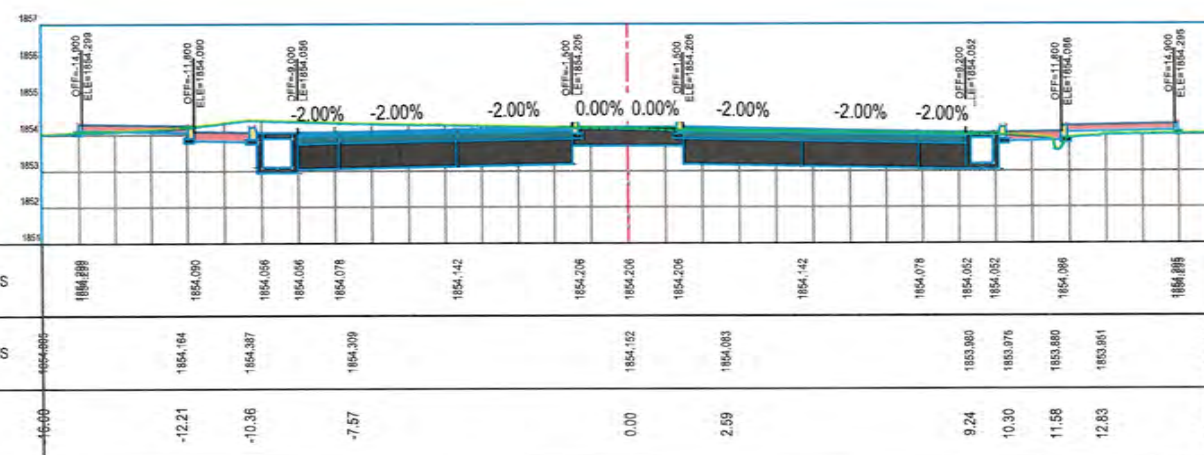
Status: FINAL
DESIGN

Project Code

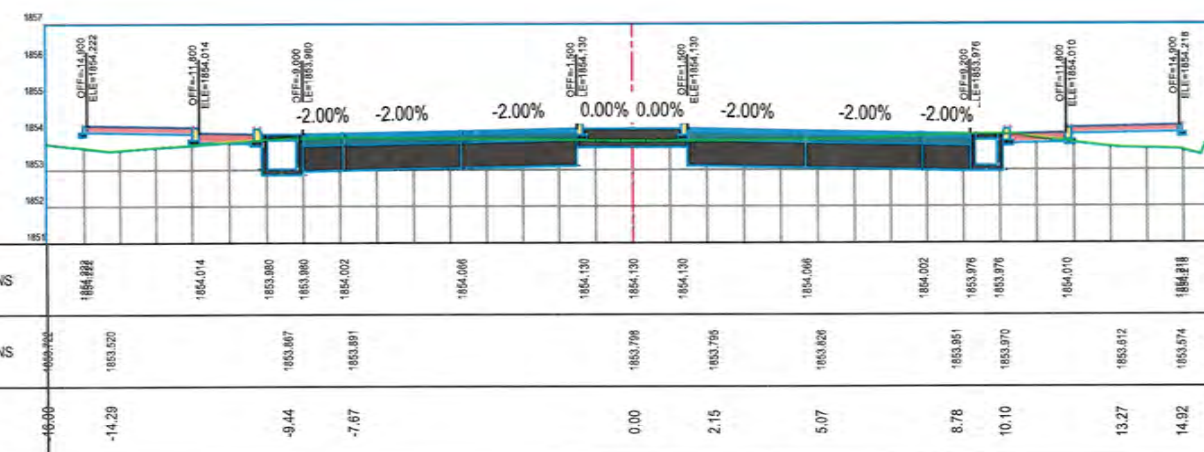
SHEET NO. MR-CS - (57) Revision 01



STATION=2+400



STATION=2+380



STATION=2+360

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:
Nakhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

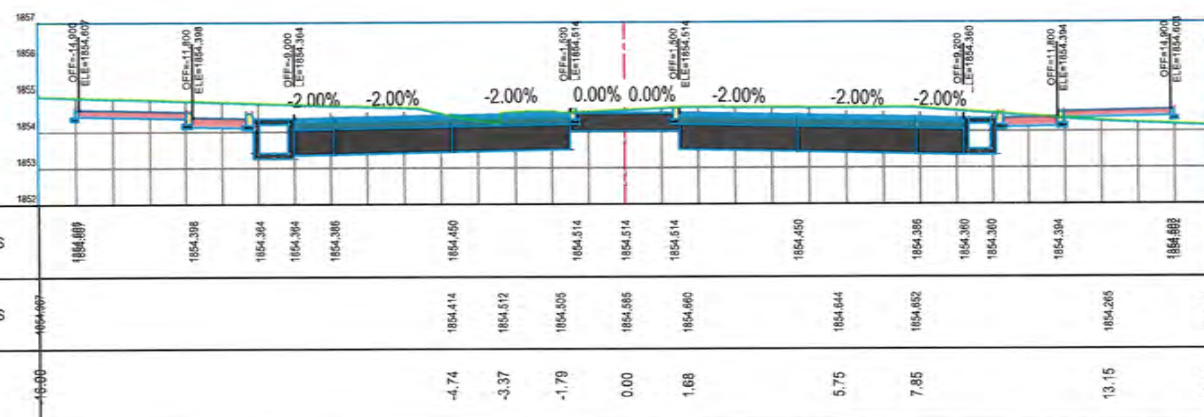
Drawn: M.Ali Dawlatzada
Designed: M.Ali Dawlatzada
Checked: Hasibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

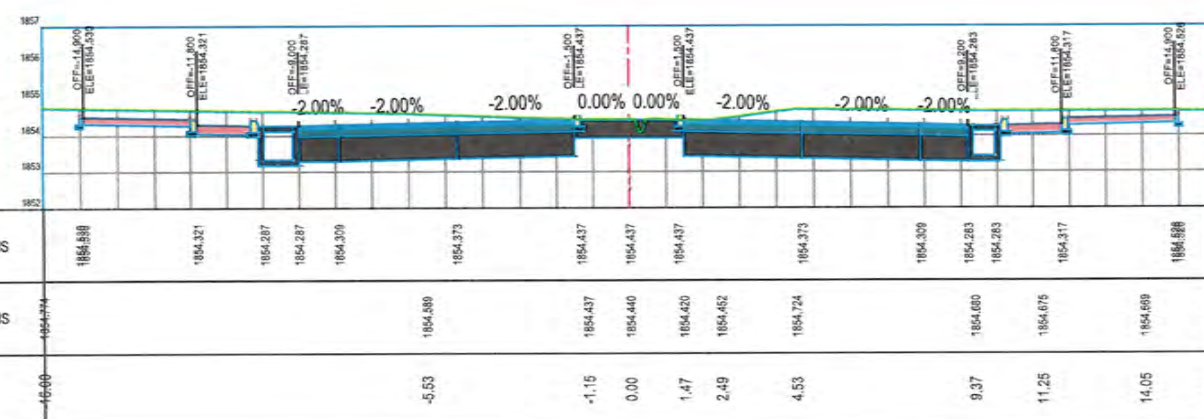
Status: **FINAL DESIGN**

Project Code:

SHEET NO. **MR-CS - (58)**
Revision: **01**



STATION=2+460



STATION=2+440



STATION=2+420

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

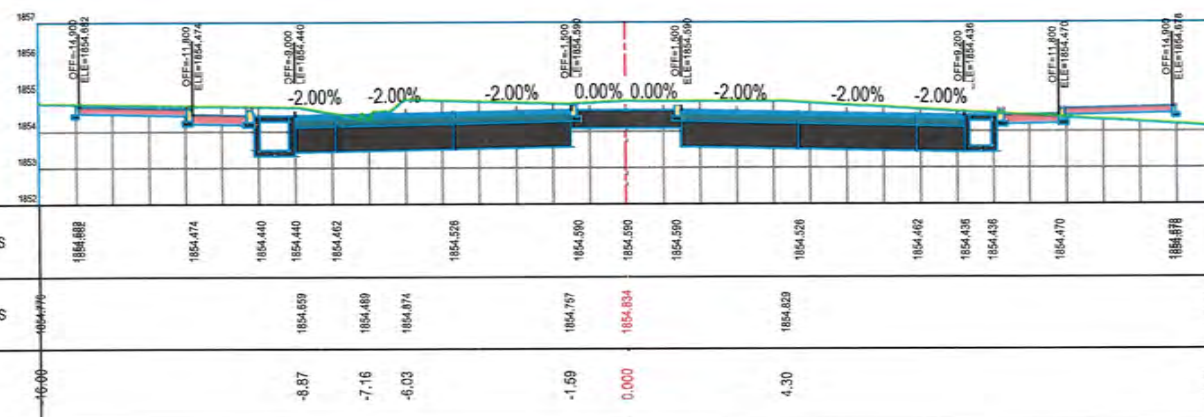
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hasibullah Shalizi
Signature:

Date: 10/29/2024
Scale: 1:200

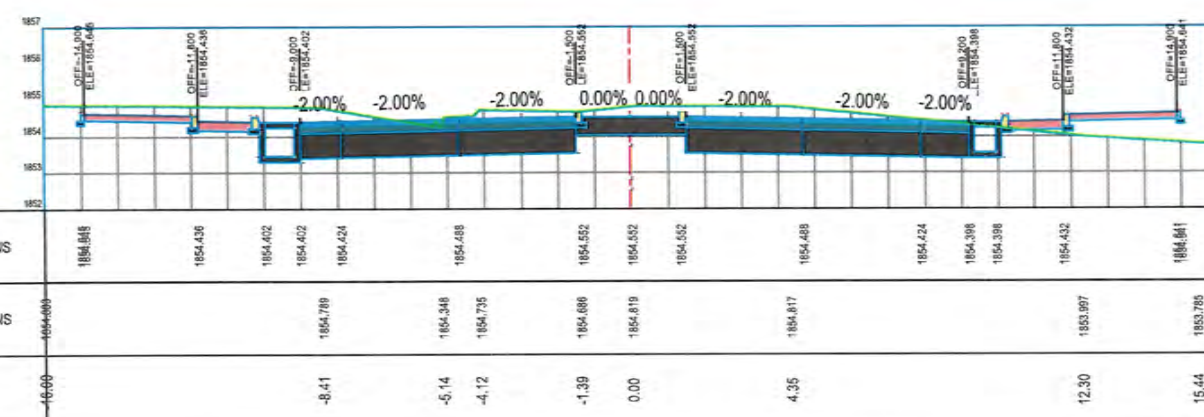
Status: **FINAL
DESIGN**

Project Code:

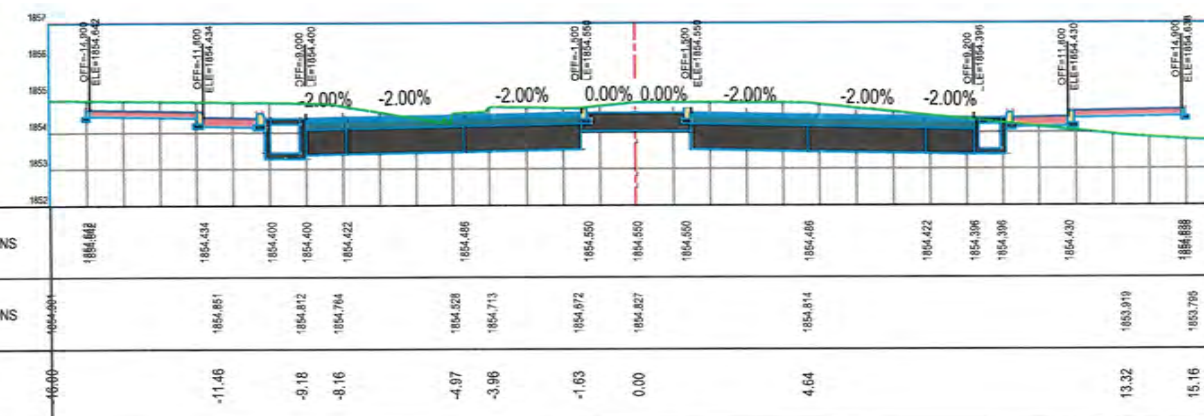
SHEET NO.: **MR-CS - (59)**
Revision: **01**



STATION=2+480



STATION=2+470



STATION=2+469

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:
Nakhas to Omid-e Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzadeh Signature:

Designed: M.Ali Dawlatzadeh Signature:

Checked: Huseinullah Shalini Signature:

Checked: Signature:

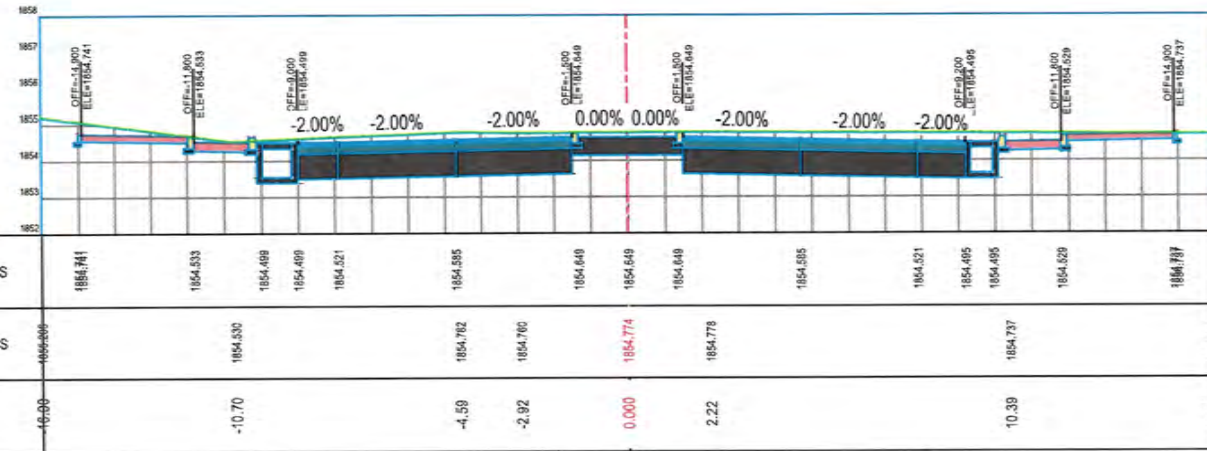
Date: 10/29/2024 Scale: 1:200

Status: FINAL
DESIGN

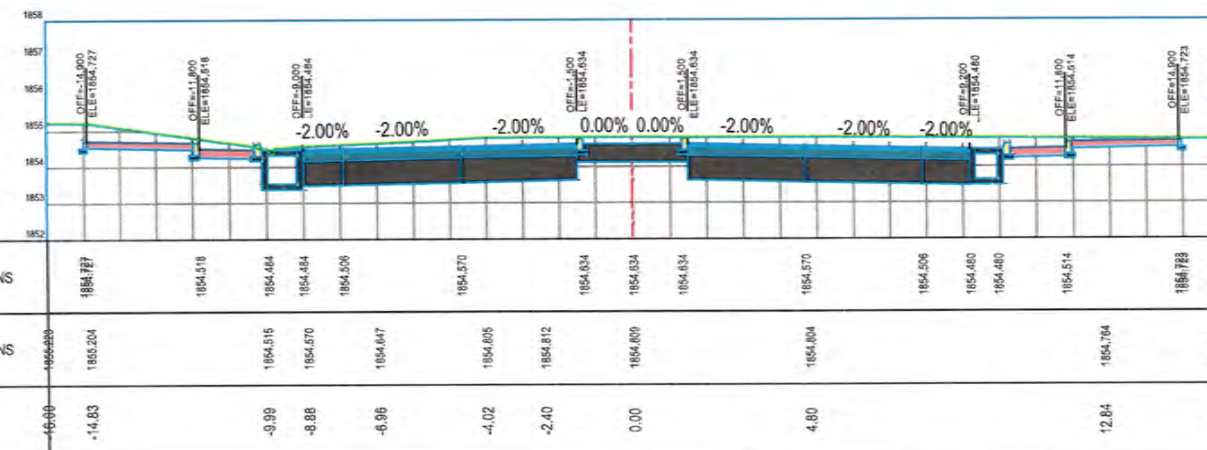
Project Code

SHEET NO. MR-CS - (60)

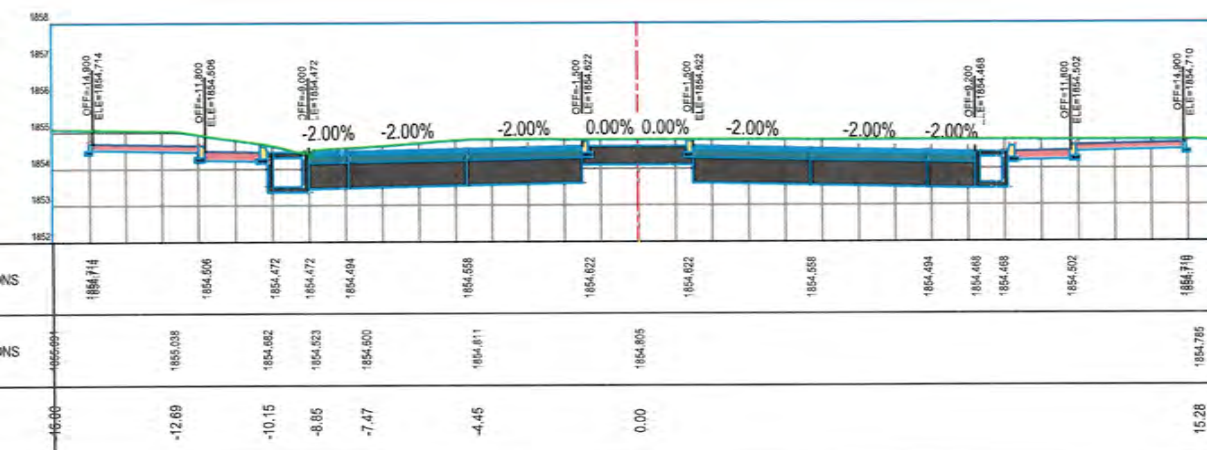
Revision: 01



STATION=2+500



STATION=2+494



STATION=2+490

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

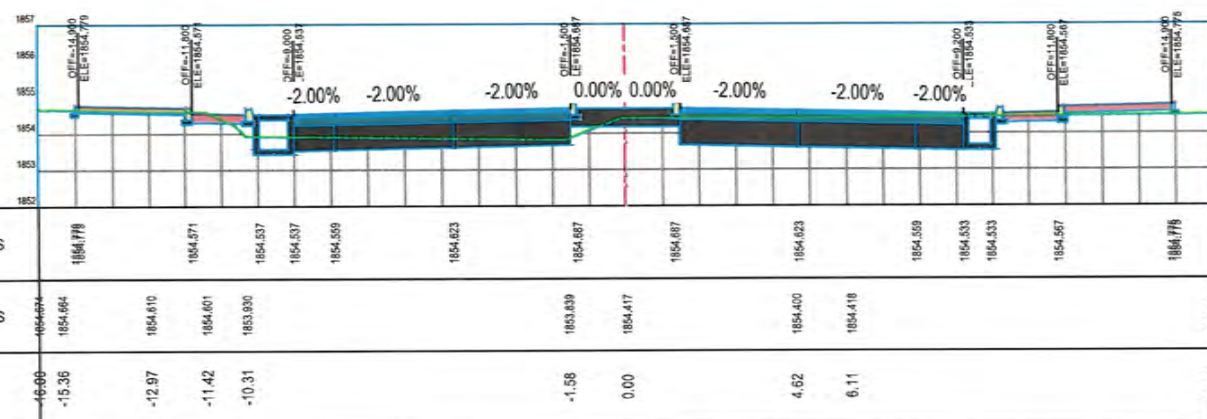
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

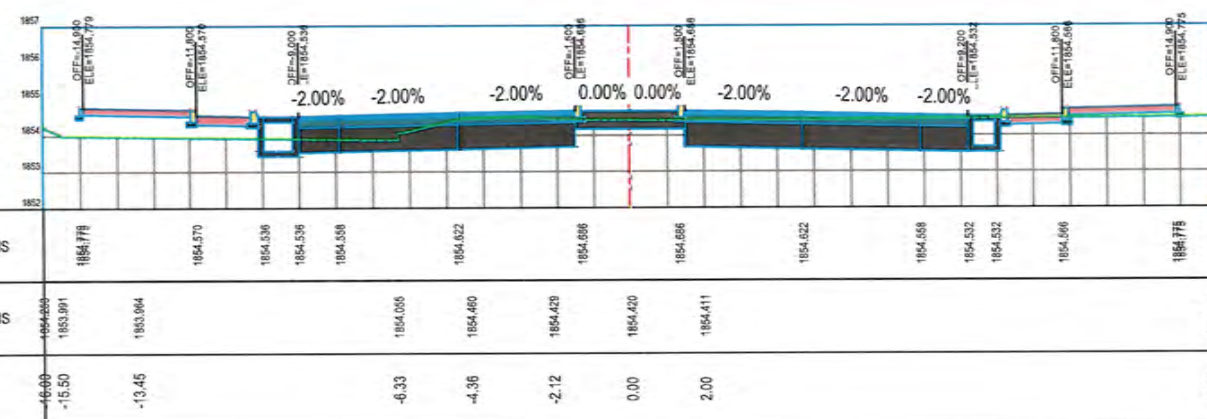
Status: **FINAL DESIGN**

Project Code

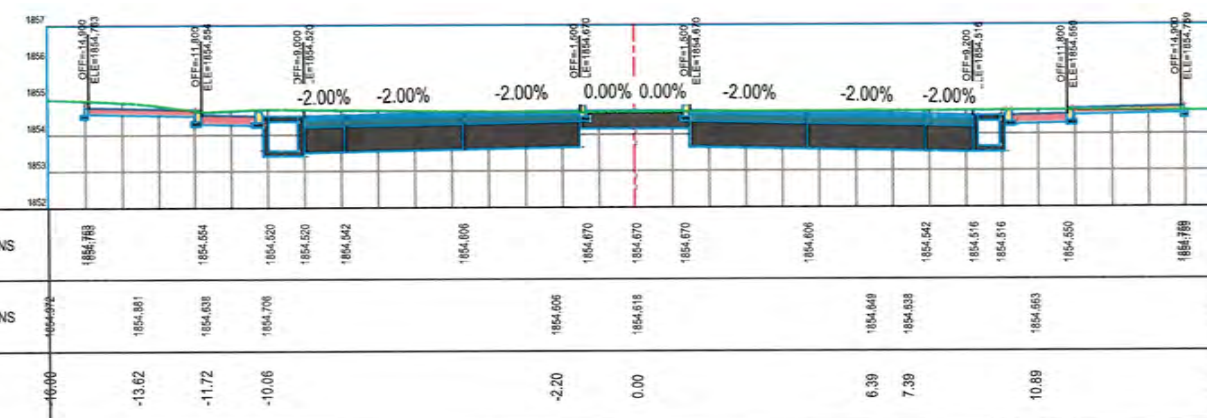
SHEET NO. MR-CS - (61)	Revision 01
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STATION=2+520



STATION=2+520



STATION=2+510

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

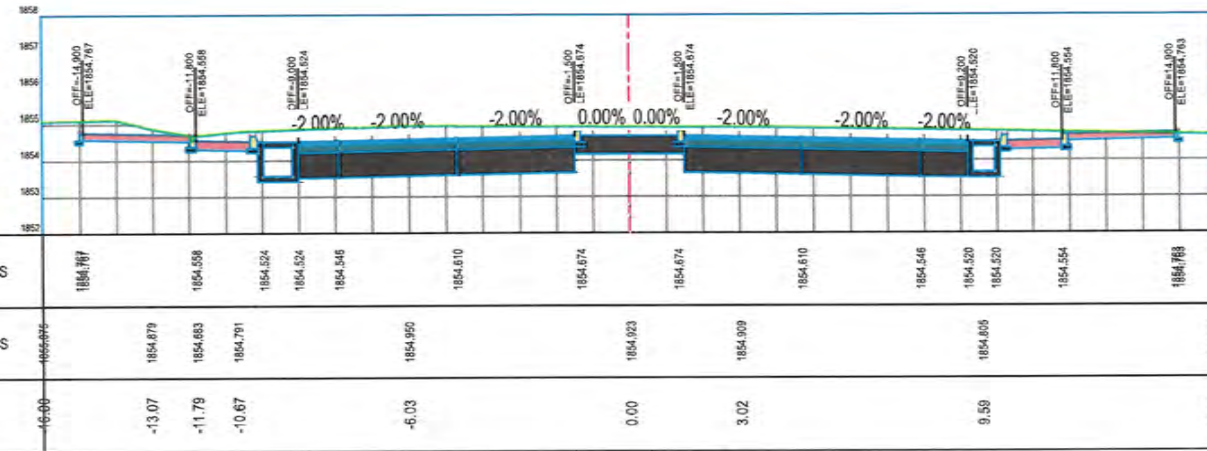
Drawn: M.Ali Dawlatzoda	Signature:
Designed: M.Ali Dawlatzoda	Signature:
Checked: Hasibullah Shalizi	Signature:
Checked:	Signature:

Date: 10/29/2024 Scale: 1:200

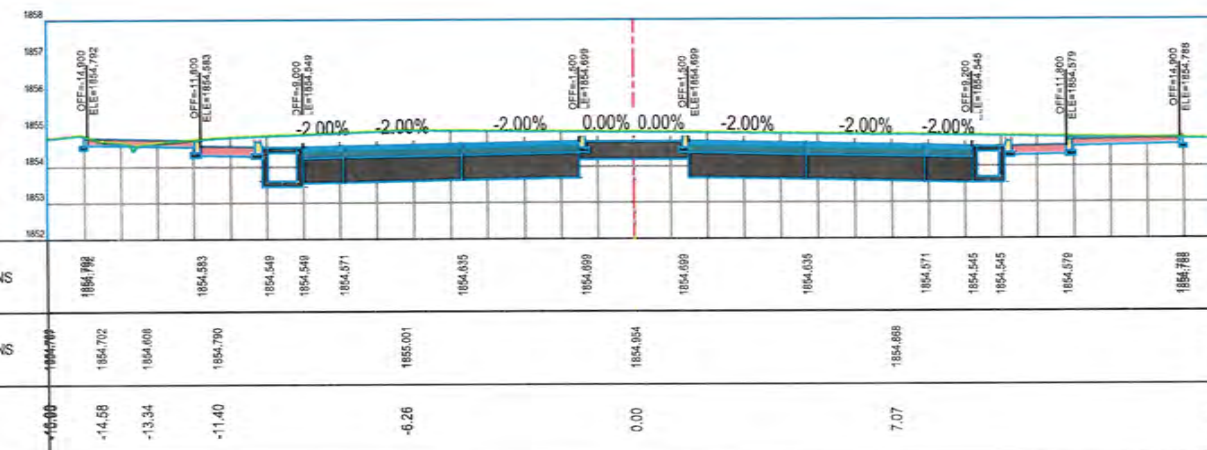
Status: FINAL
DESIGN

Project Code

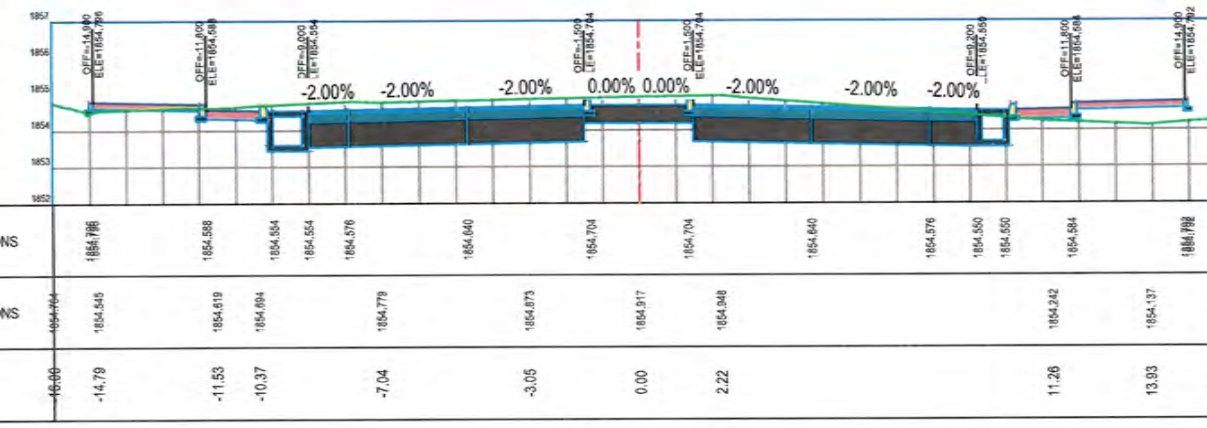
SHEET NO: MR-CS - (62)	Revision 01
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STATION=2+580



STATION=2+560



STATION=2+540

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade
Signature:

Designed: M.Ali Dawlatzade
Signature:

Checked: Hasibullah Shalizi
Signature:

Checked:

Date: 10/29/2024
Scale: 1:200

Status: FINAL
DESIGN

Project Code:

SHEET NO. MR-CS - (63)
Revision 01

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:
Nakhsh-e Omid-e Sahz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

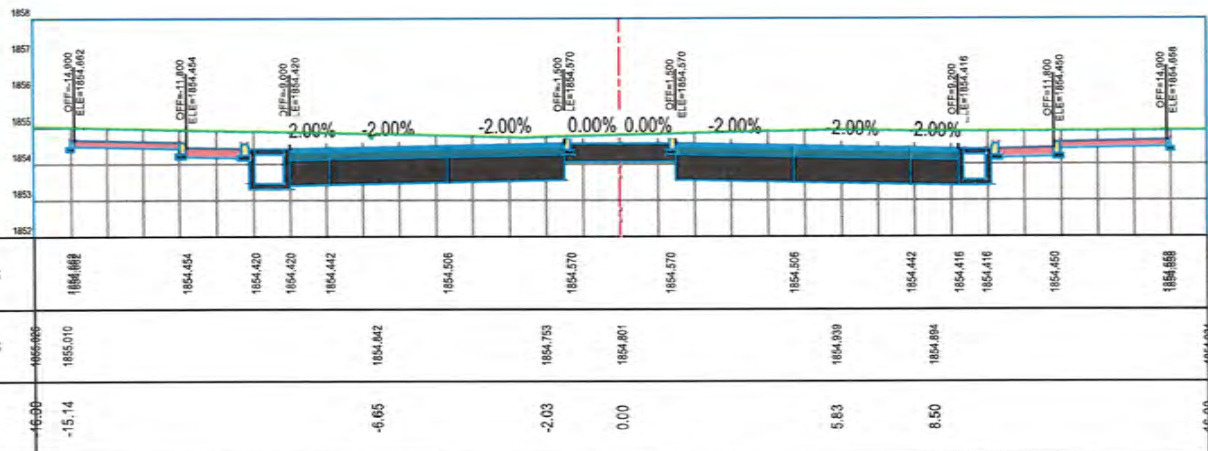
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

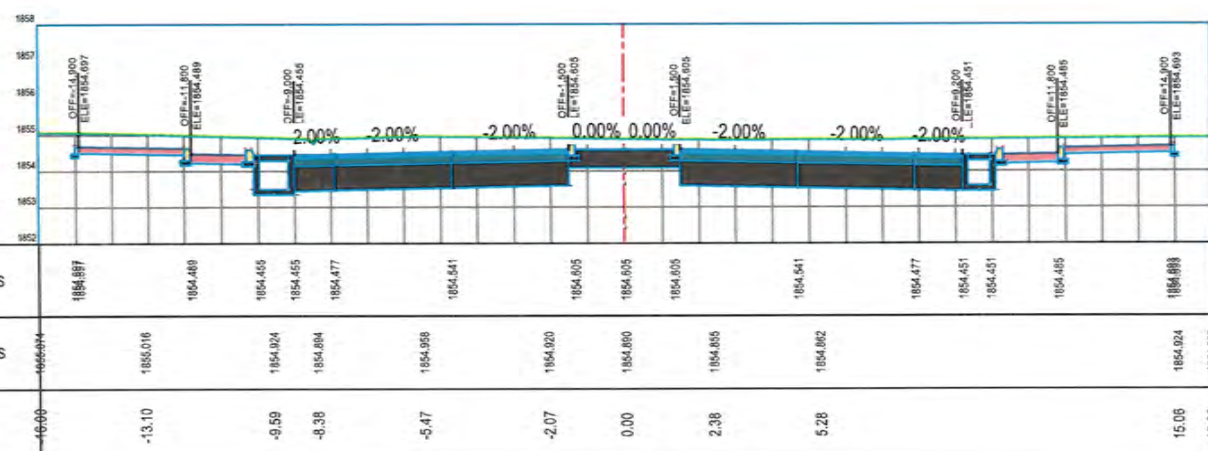
Status: FINAL
DESIGN

Project Code

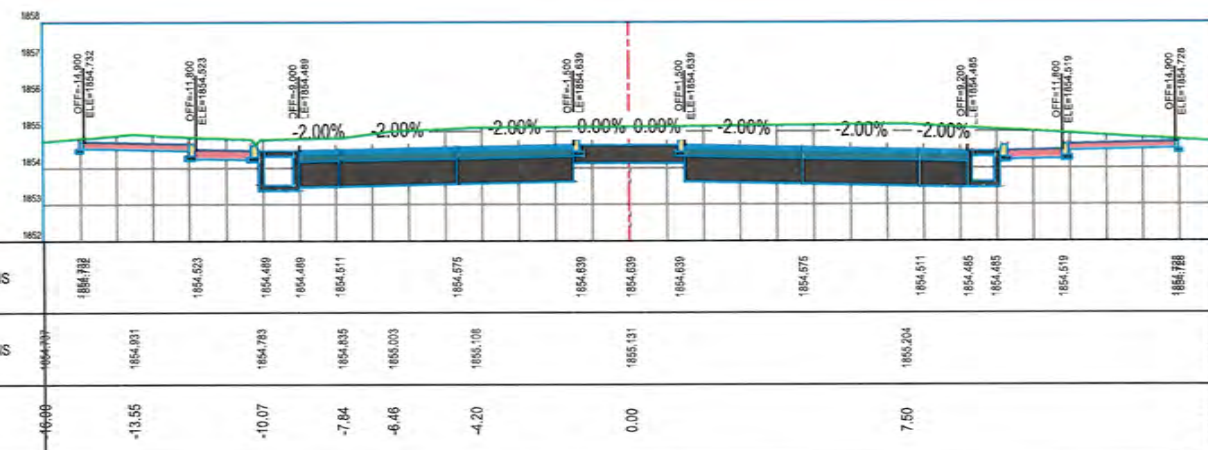
SHEET NO. MR-CS - (64) Revision 01



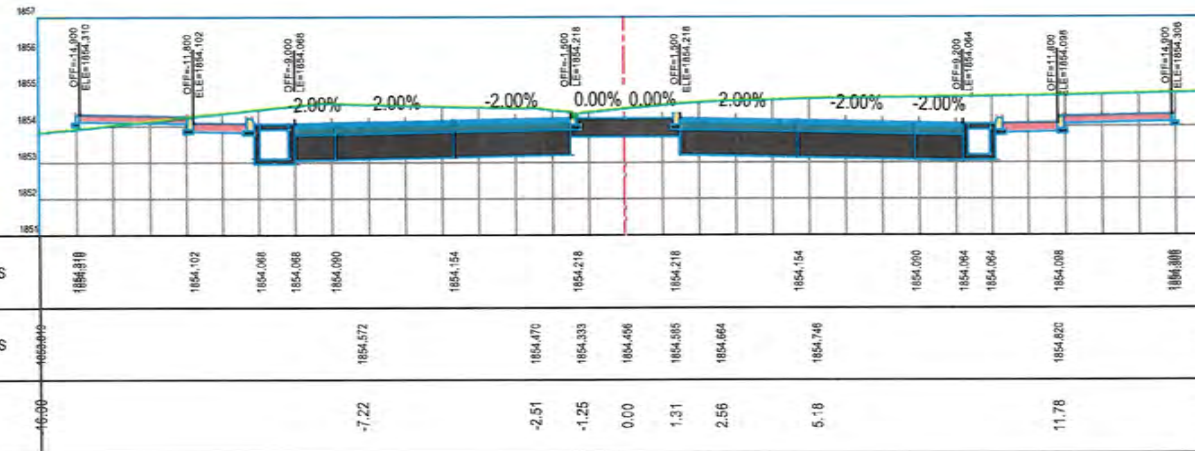
STATION=2+640



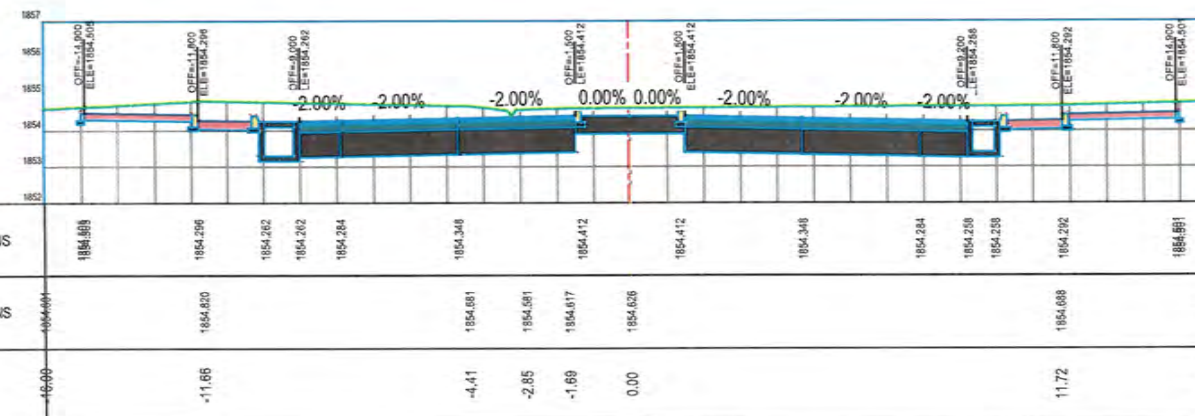
STATION=2+620



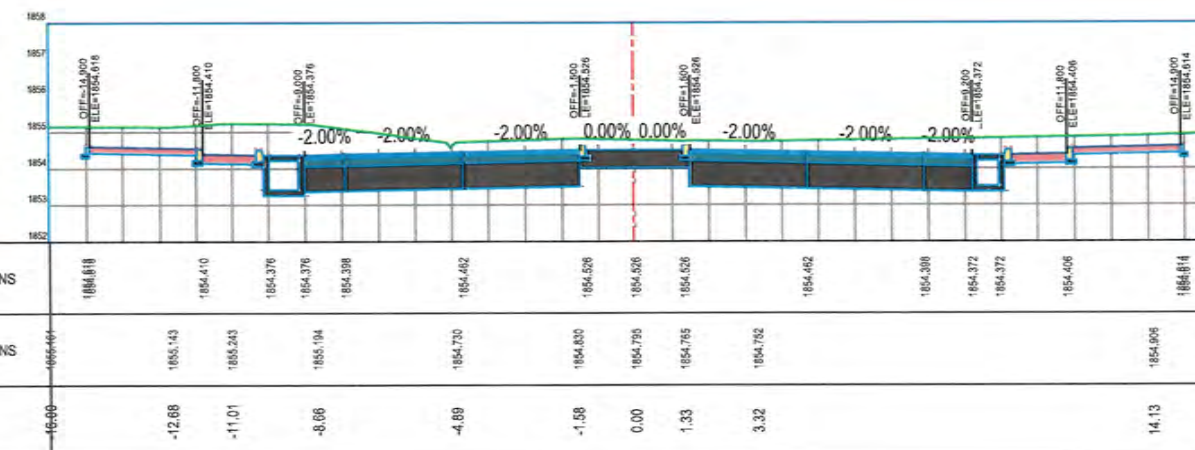
STATION=2+600



STATION=2+700



STATION=2+680



STATION=2+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:
Nakhas to Omid-e Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

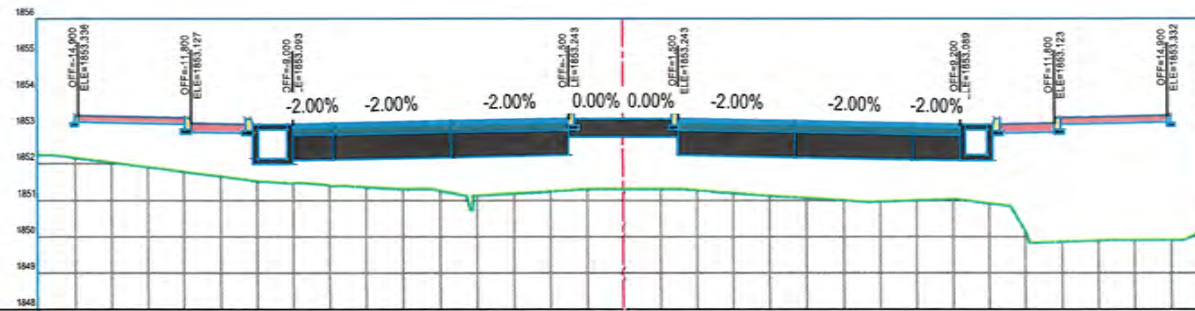
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

Status: **FINAL
DESIGN**

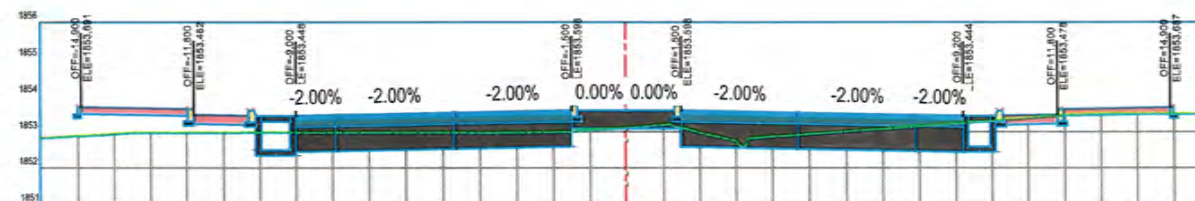
Project Code

SHHET NO. MR-CS - (65) Revision: 01



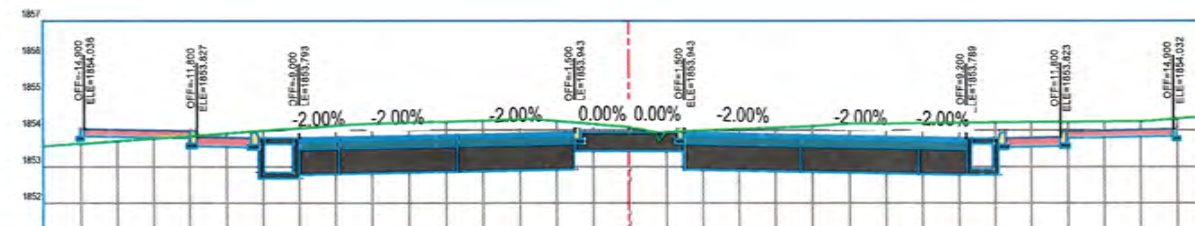
FINISHED ELEVATIONS	1853.998	1853.127	1853.993	1853.993	1853.115	1853.179	1853.243	1853.243	1853.179	1853.115	1853.998	1853.998	1853.123	1853.332
EXISTING ELEVATIONS	1852.238		1851.901	1851.453	1851.377	1851.298	1851.128	1851.290	1851.290	1850.981	1851.030	1850.843	1849.897	1849.895
OFFSET	-15.51		-9.91	-8.70	-7.60	-5.27	-4.10	0.00	1.57	6.66	9.08	10.59	13.34	15.33

STATION=2+760



FINISHED ELEVATIONS	1853.991	1853.482	1853.448	1853.448	1853.470	1853.534	1853.598	1853.598	1853.534	1853.470	1853.444	1853.444	1853.478	1853.487
EXISTING ELEVATIONS	1852.497	1852.985		1852.974		1852.989	1852.991	1853.115	1853.207	1852.741			1853.478	1853.503
OFFSET	-13.49		-8.15		-3.49	-1.56	0.00	1.16	3.02				12.38	13.70

STATION=2+740



FINISHED ELEVATIONS	1854.098	1853.827	1853.793	1853.793	1853.815	1853.879	1853.943	1853.943	1853.879	1853.815	1853.799	1853.799	1853.823	1854.098
EXISTING ELEVATIONS	1854.594				1854.163		1854.398	1854.087		1854.123	1854.183		1854.267	1854.594
OFFSET	-7.45				-2.51	0.00		5.10	6.73				14.19	15.38

STATION=2+720

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



Rev.	Date	Revision Details	Drawn	Chd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Orm-e-Sabz Road Project

Drawing Title:

CROSS SECTION

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

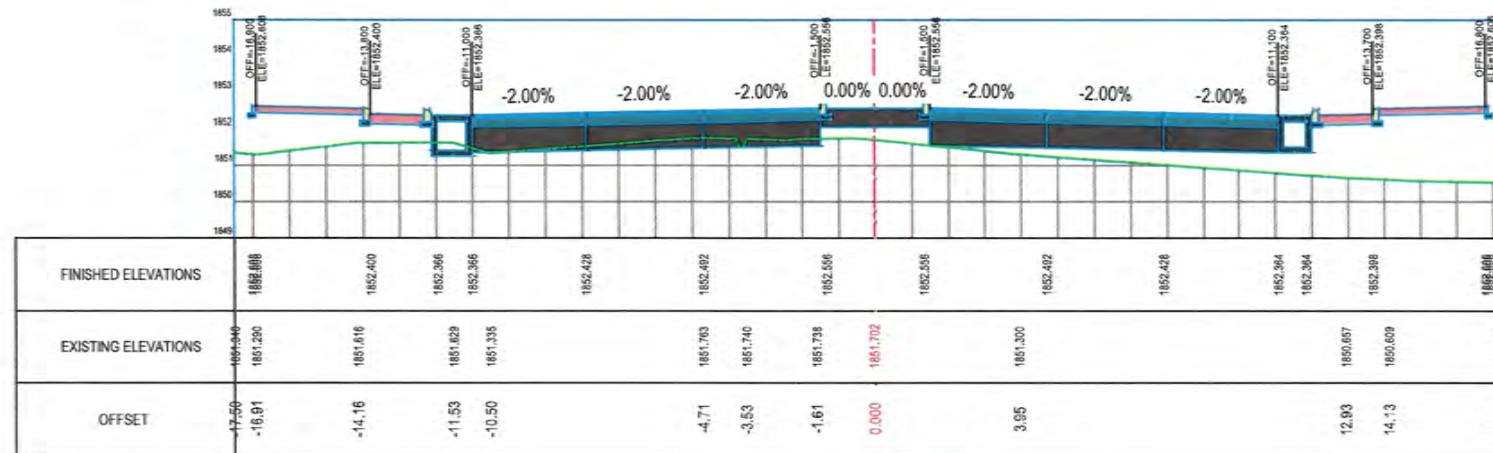
Date: 10/29/2024

Status: FINAL
DESIGN

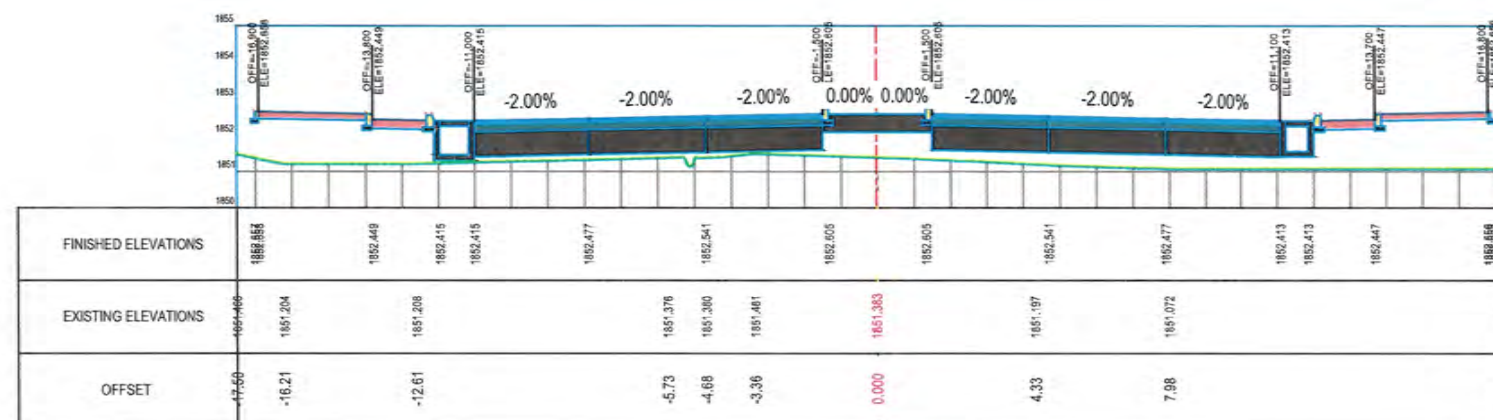
Project Code

SHEET NO. MR-CS - (66)

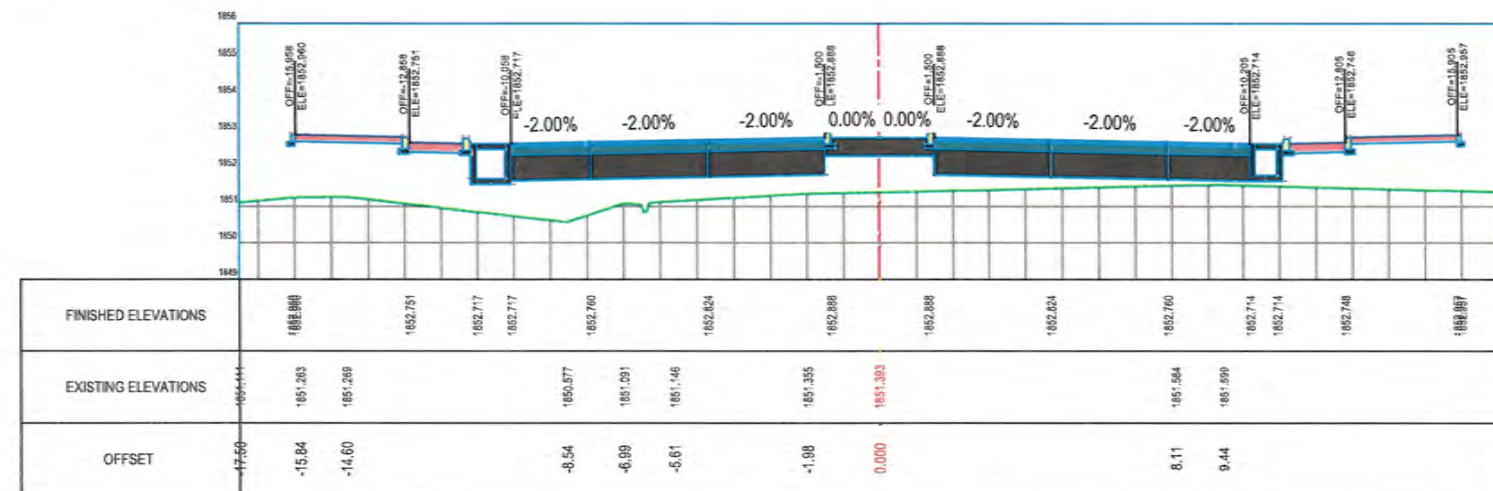
Revision
01



STATION=2+820



STATION=2+800



STATION=2+780

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

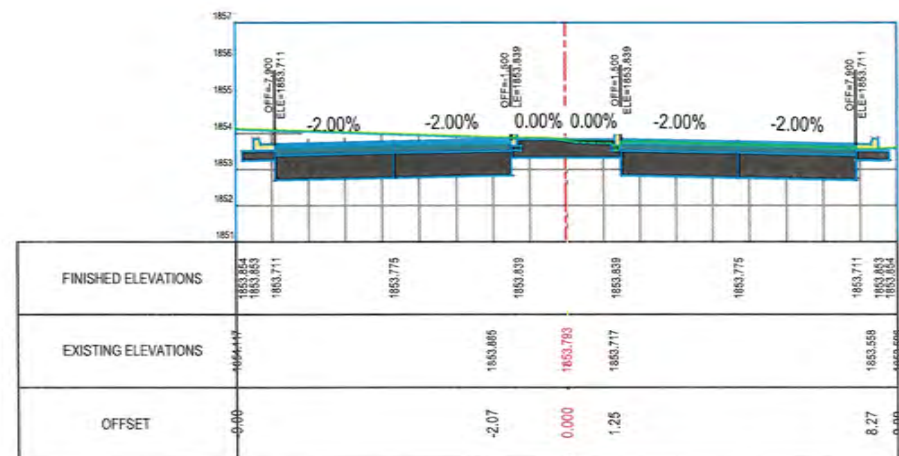


Rev.	Date	Revision Details	Drawn	Chkd	Appd.

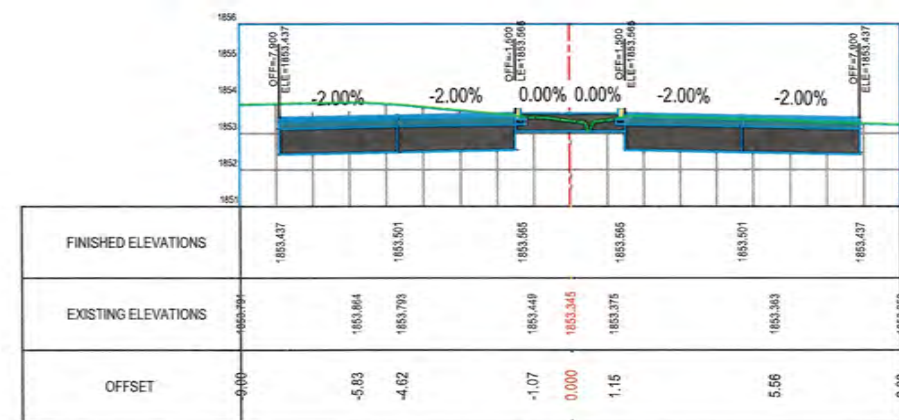
ISLAMIC EMIRATE OF AFGHANISTAN	
Designed By:	
KABUL MUNICIPALITY DESIGN TEAM	
Project Name: Nakhas to Omid-e-Sabz Road Project	
Drawing Title: CROSS SECTION	
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: Hassanullah Shalizi	Signature:
Checked:	Signature:
Date: 10/29/2024	Scale: 1:200
Status: FINAL DESIGN	
Project Code:	
SHEET NO. MR-CS - (67)	Revision 01



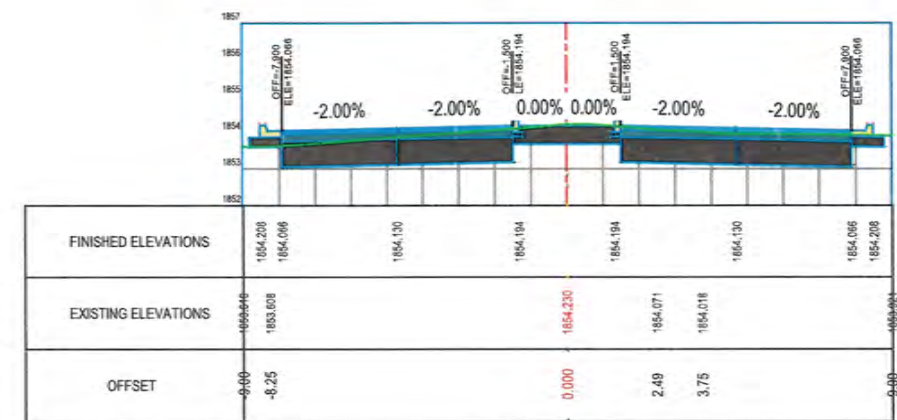
STATION=2+940



STATION=2+920



STATION=2+900



STATION=2+946

NOTE:
3. 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:
Nahhas to Omid-e Sabz Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Habibullah Shalizi Signature:

Checked: Signature:

Date: 10/29/2024 Scale: 1:200

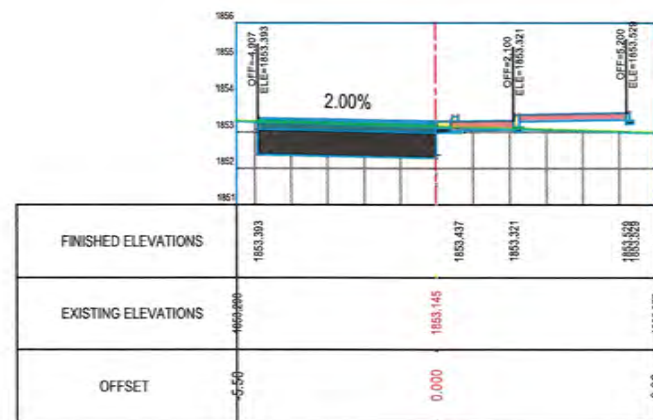
Status: FINAL
DESIGN

Project Code:

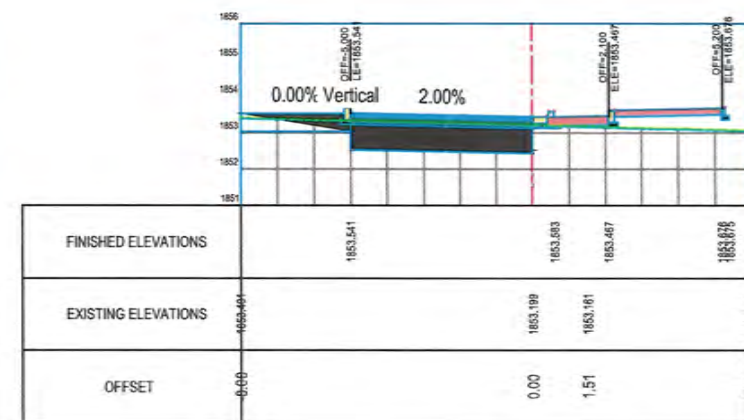
SHEET NO. MR-CS - (69)

Revision

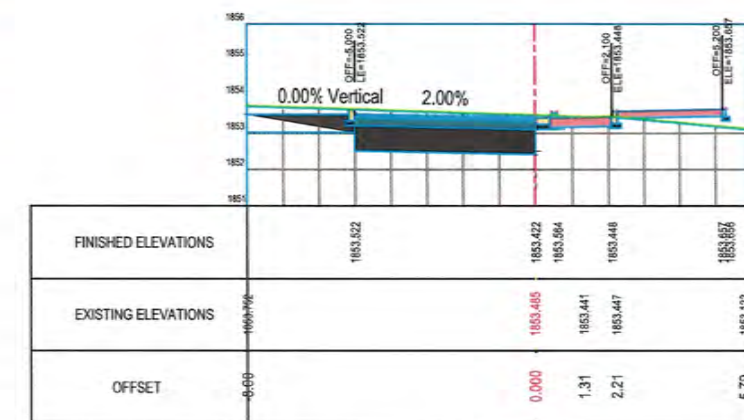
01



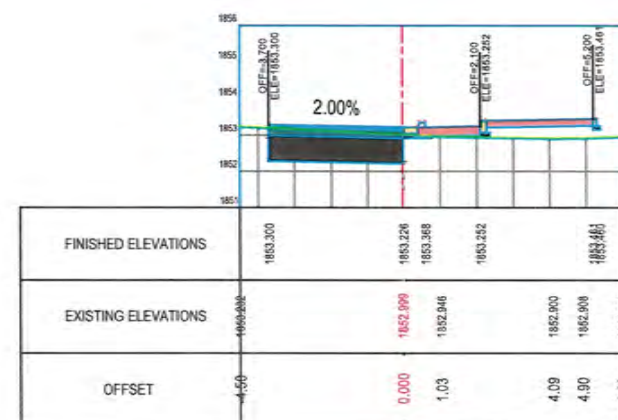
STATION=0+010



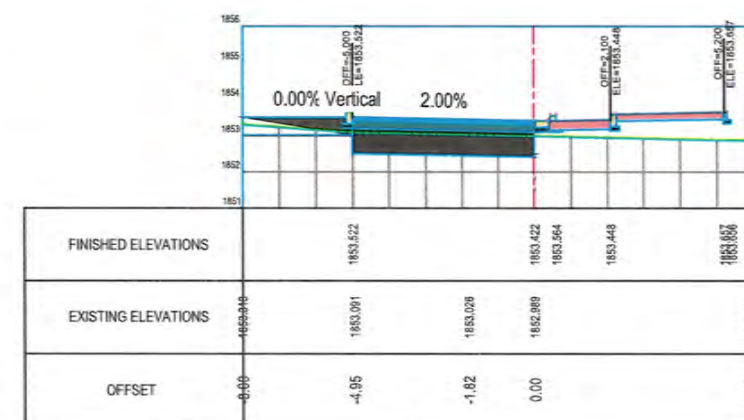
STATION=0+035



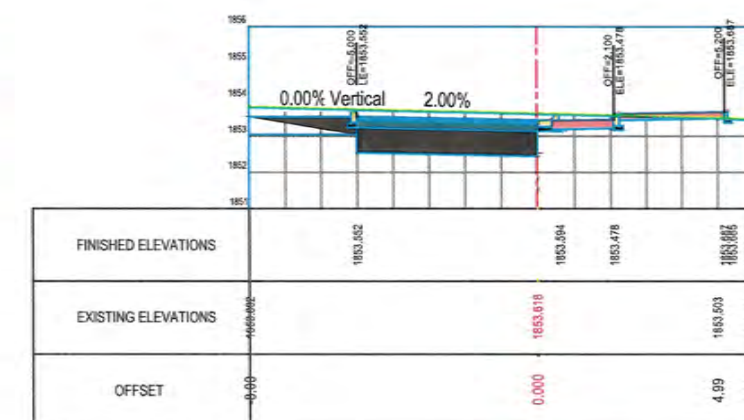
STATION=0+060



STATION=0+000



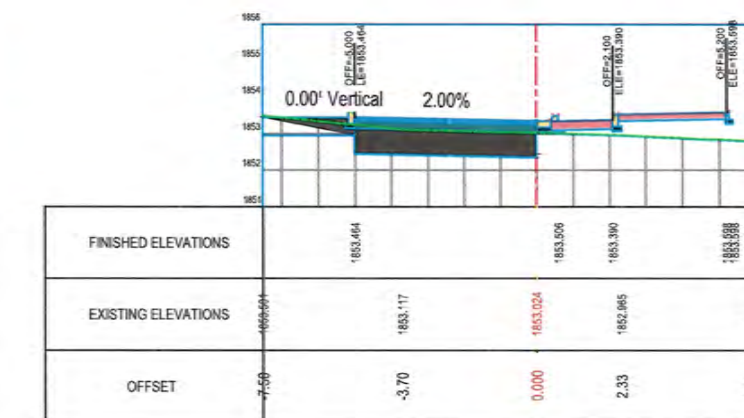
STATION=0+030



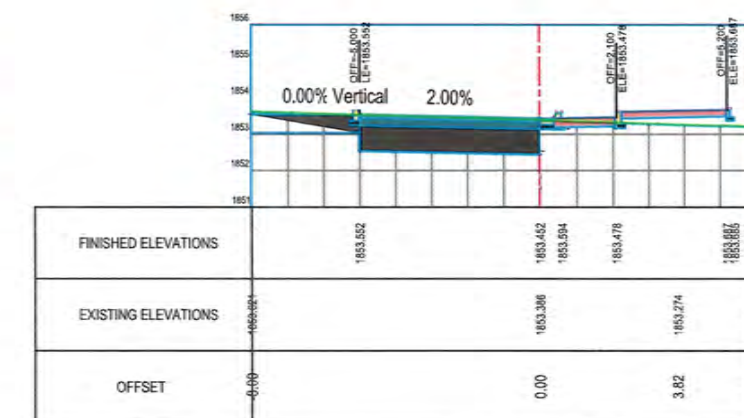
STATION=0+050



STATION=0+000



STATION=0+020



STATION=0+040

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

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

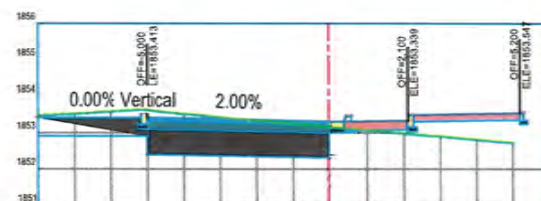
Date:
10/29/2024

Status:
FINAL DESIGN

Project Code

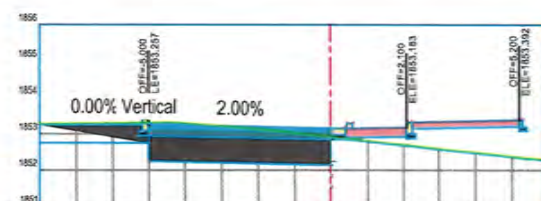
SHEET NO.
RTB-CS - (1)

Revision
01



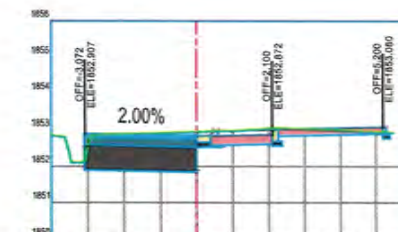
FINISHED ELEVATIONS	1853.413	1853.313	1853.455	1853.339	1853.511
EXISTING ELEVATIONS	1853.429	1853.396	1853.148	1853.339	1852.721
OFFSET	0.00	-5.13	-2.45	0.00	5.02

STATION=0+076



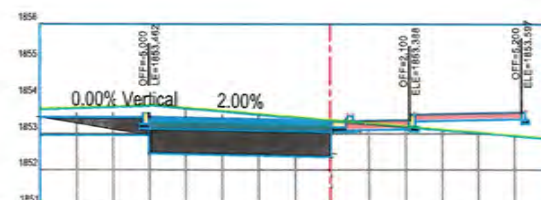
FINISHED ELEVATIONS	1853.287	1853.296	1853.163	1853.399		
EXISTING ELEVATIONS	1853.297	1853.295	1853.261	1853.099	1852.803	1853.309
OFFSET	0.00	-4.43	-3.75	-1.85	0.00	5.59

STATION=0+090



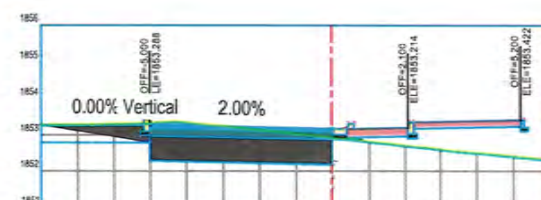
FINISHED ELEVATIONS	1852.907	1852.898	1852.892	1853.022	1853.041	1853.080
EXISTING ELEVATIONS	1852.889	1852.886	1852.880	1853.054	1853.041	1852.828
OFFSET	-0.09	-3.26	-2.58	0.00	0.74	2.25

STATION=0+110



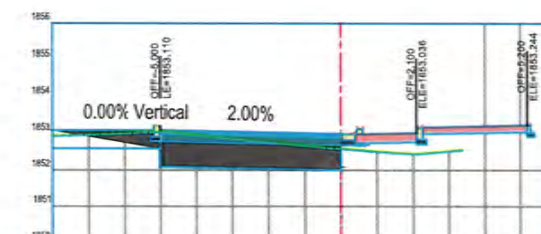
FINISHED ELEVATIONS	1853.462	1853.504	1853.398	1853.591
EXISTING ELEVATIONS	1853.766	1853.764	1853.876	1853.598
OFFSET	-5.24	-4.88	-3.64	0.00

STATION=0+070



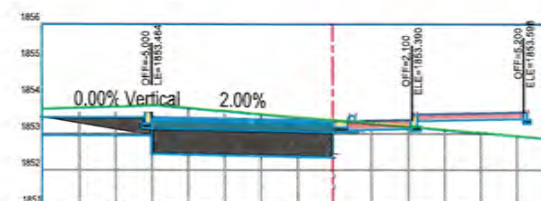
FINISHED ELEVATIONS	1853.268	1853.188	1853.320	1853.214	1853.422
EXISTING ELEVATIONS	1853.312	1853.368	1852.807	1852.517	1852.804
OFFSET	0.00	-5.17	-4.26	0.00	3.67

STATION=0+088



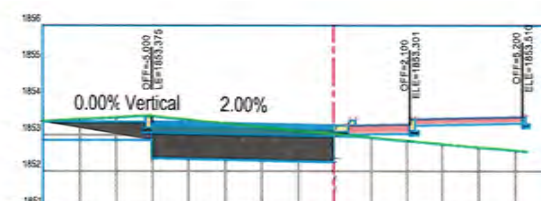
FINISHED ELEVATIONS	1853.110	1853.010	1853.152	1853.006	1853.144
EXISTING ELEVATIONS	1853.098	1852.998	1852.453	1852.566	1852.866
OFFSET	0.00	-4.85	0.00	2.04	3.36

STATION=0+100



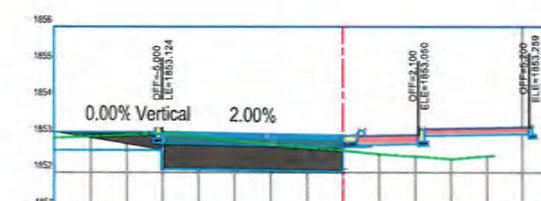
FINISHED ELEVATIONS	1853.464	1853.506	1853.390	1853.599
EXISTING ELEVATIONS	1853.776	1853.777	1853.373	1853.399
OFFSET	-0.30	-4.74	0.00	0.00

STATION=0+070



FINISHED ELEVATIONS	1853.375	1853.275	1853.417	1853.301	1853.500
EXISTING ELEVATIONS	1853.539	1853.098	1853.021	1853.201	1852.554
OFFSET	0.00	-5.12	-0.88	0.00	5.31

STATION=0+080



FINISHED ELEVATIONS	1853.124	1853.168	1853.000	1853.189				
EXISTING ELEVATIONS	1853.094	1852.724	1852.667	1852.611	1852.528	1852.378	1852.475	
OFFSET	0.00	-4.88	-1.57	-0.60	0.00	0.89	3.05	4.19

STATION=0+099

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:
Nakhlas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Hashirullah Shalizi
Checked:

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

Date: 10/29/2024
Scale: 1:200

Status: **FINAL DESIGN**

Project Code:

SHEET NO. RTB-CS - (2)
Revision: 01

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:
CROSS SECTION

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

Date: 10/29/2024 Scale: 1:200

Status: **FINAL DESIGN**

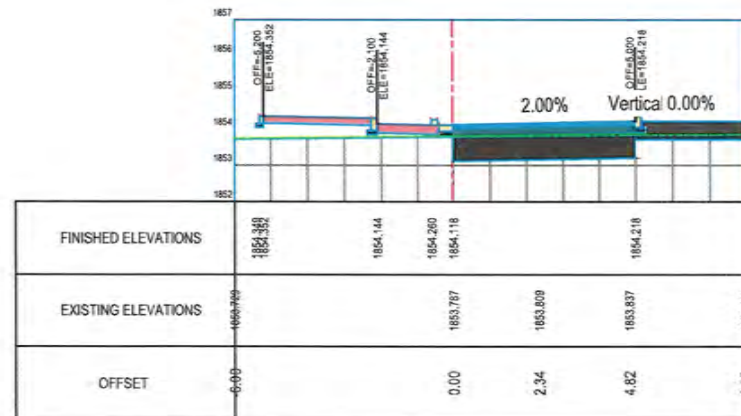
Project Code

SHEET NO. RTB-CS - (3)	Revision 01
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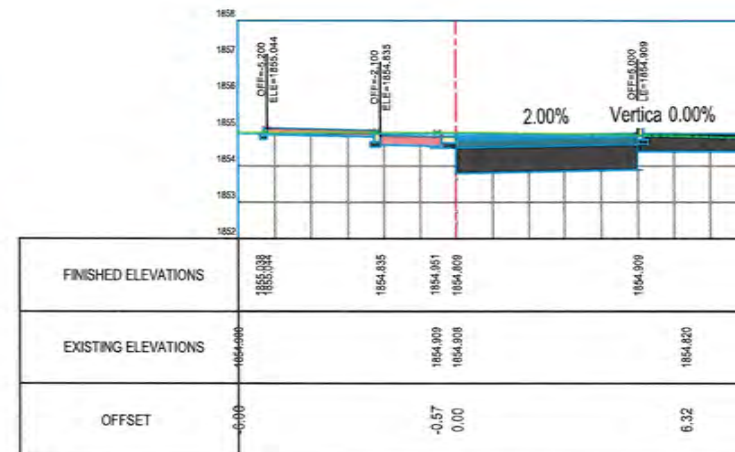


FINISHED ELEVATIONS	1852.789	1852.899	1852.783	1852.891
EXISTING ELEVATIONS	1852.847	1852.891	1852.896	1852.891
OFFSET	0.00	2.53	3.16	6.60

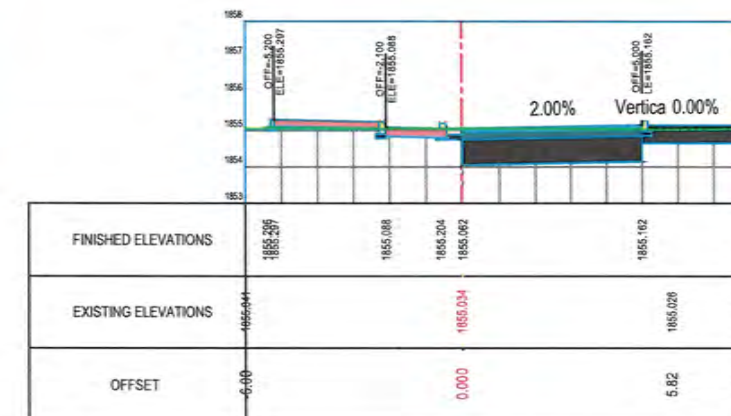
STATION=0+115



STATION=0+020



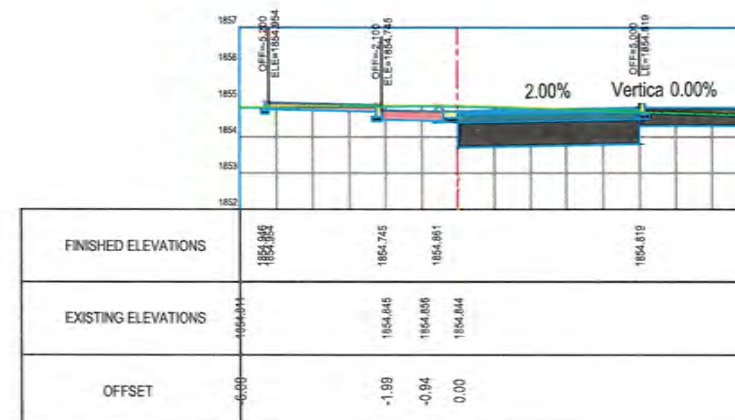
STATION=0+040



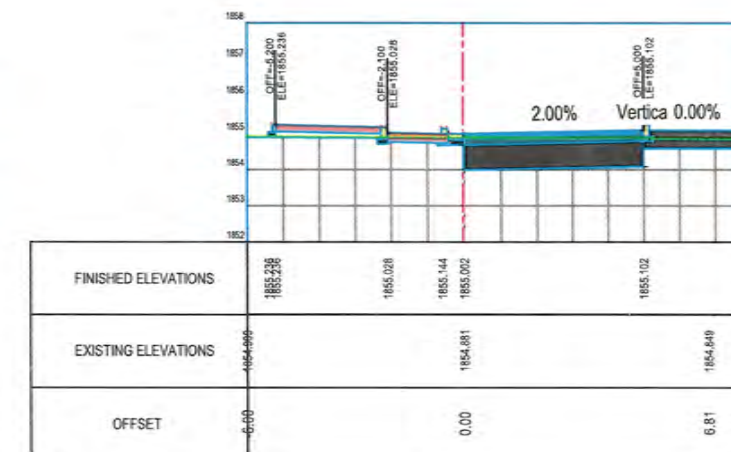
STATION=0+070



STATION=0+010



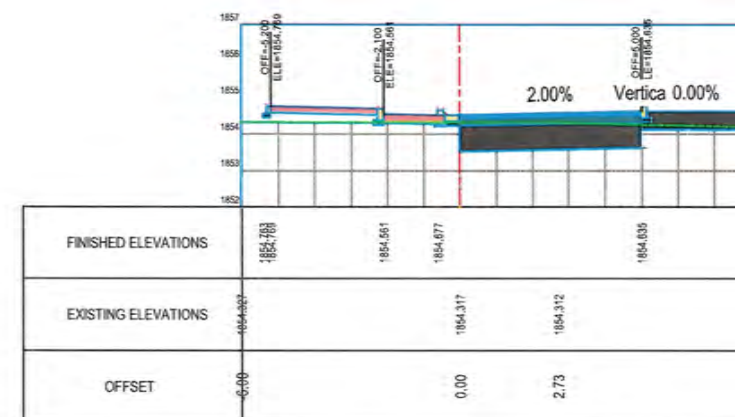
STATION=0+036



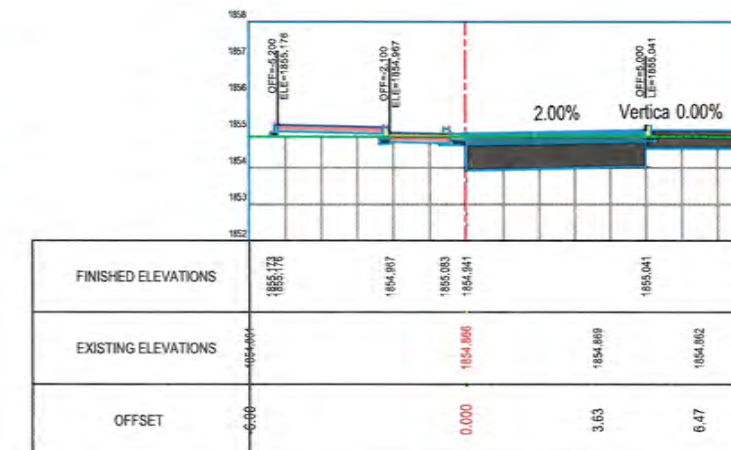
STATION=0+060



STATION=0+006



STATION=0+030



STATION=0+050

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CROSS SECTION

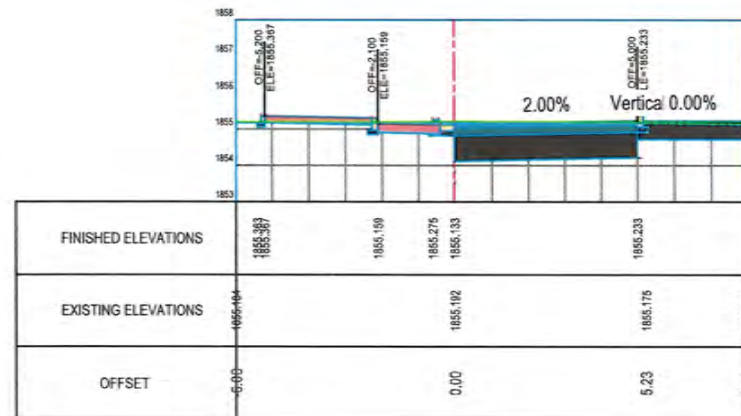
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: Habibullah Shalizi
Signature: [Signature]

Date: 10/29/2024
Scale: 1:200

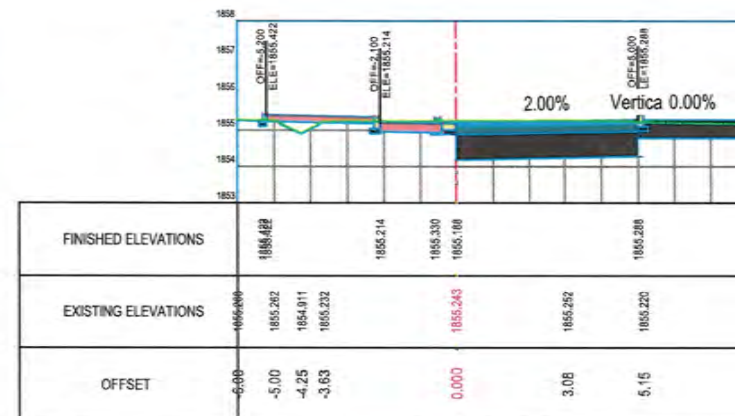
Status: FINAL DESIGN

Project Code

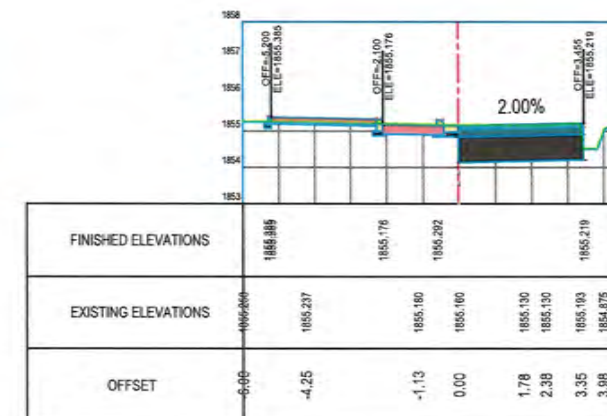
SHEET NO. LTB-CS - (4)
Revision 01



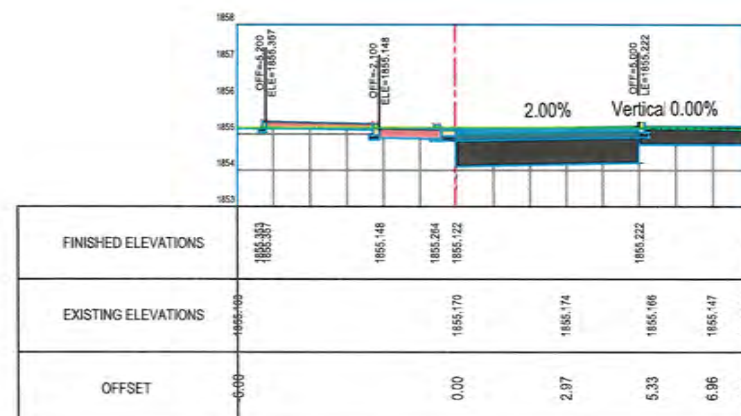
STATION=0+082



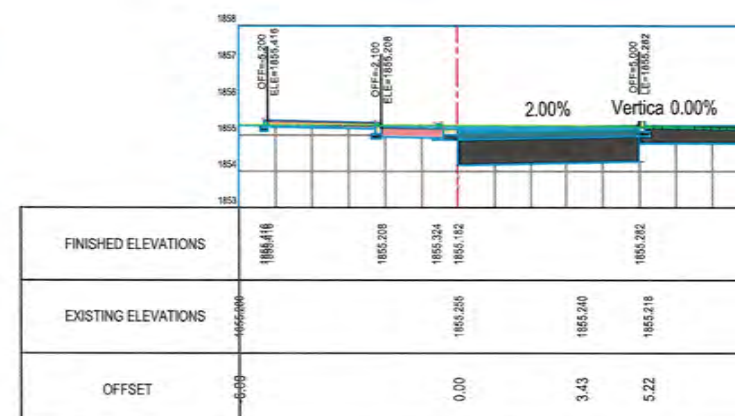
STATION=0+100



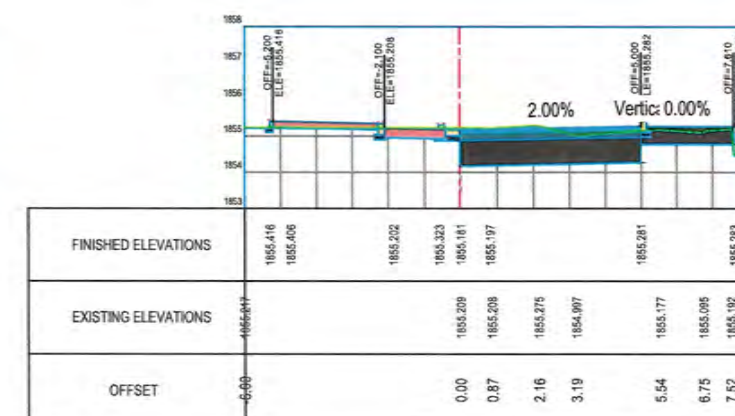
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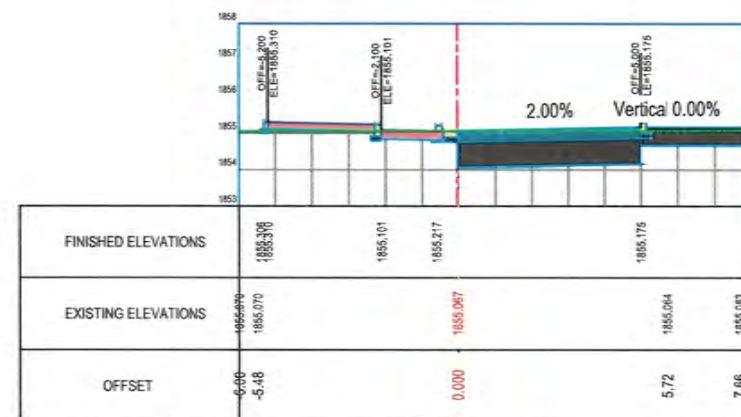
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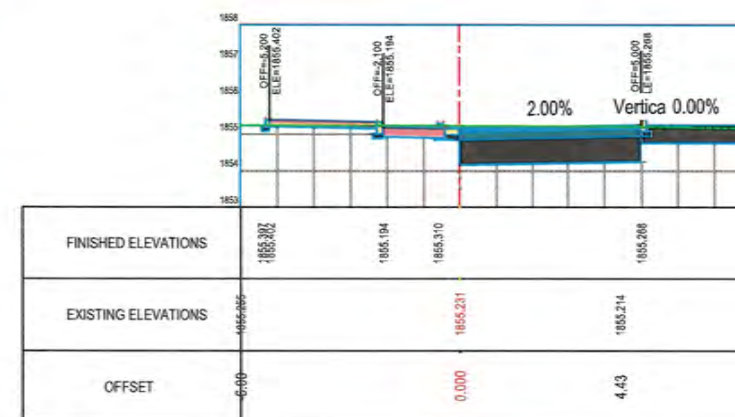
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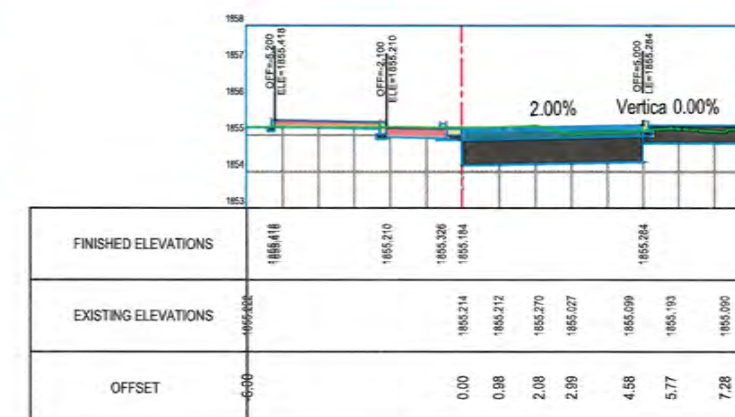
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STATION=0+072



STATION=0+090



STATION=0+109

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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzadeh Signature: [Signature]

Designed: M.Ali Dawlatzadeh Signature: [Signature]

Checked: Habibullah Shalizi Signature: [Signature]

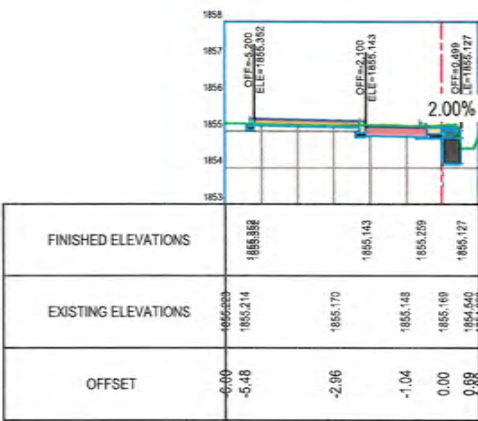
Checked: Signature: [Signature]

Date: 10/29/2024 Scale: 1:200

Status: FINAL DESIGN

Project Code:

SHEET NO. LTB-CS - (5) Revision 01



STATION=0+127

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

د افغانستان اسلامي امارت

کابل

کابل سارا والي

د فوټو سټوډيو

Rev

Date

Revision Details

Drawn

Chkd

Appd

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

کابل سارا والي

Kabul Municipality

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CROSS SECTION

Drawn:
M.Ali Dawlatzade

Signature:

Designed:
M.Ali Dawlatzade

Signature:

Checked:
Hasibullah Shalizi

Signature:

Checked:

Signature:

Date:
10/29/2024

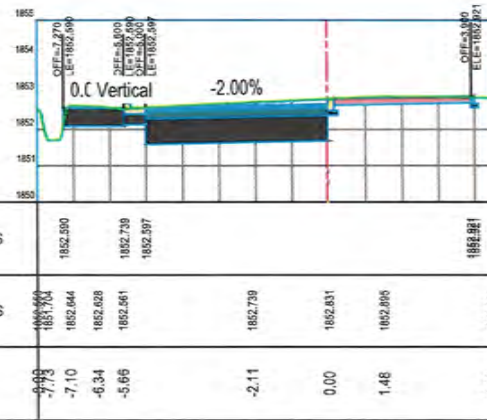
Scale:
1:200

Status:
FINAL
DESIGN

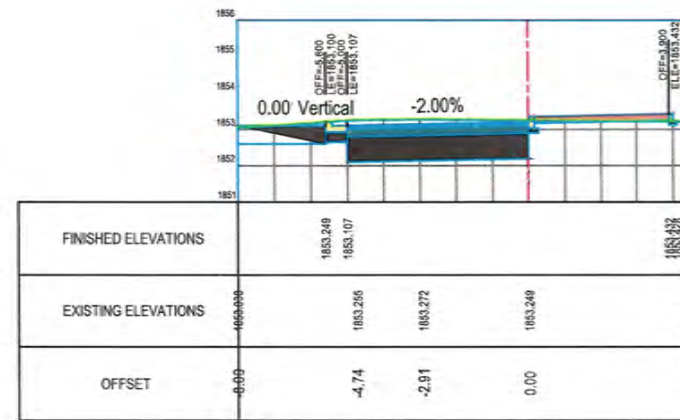
Project Code

SHEET NO.
LTB-CS - (6)

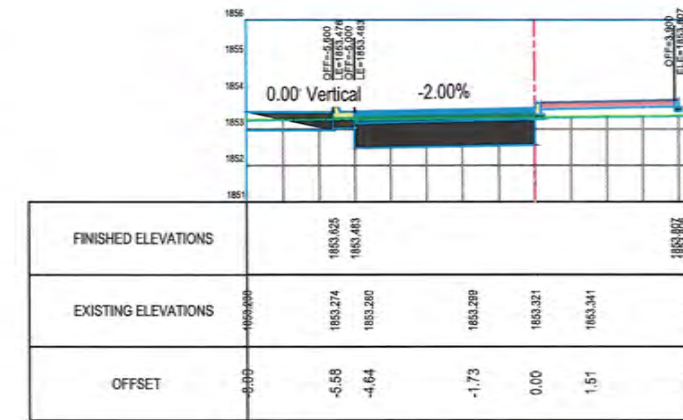
Revision
01



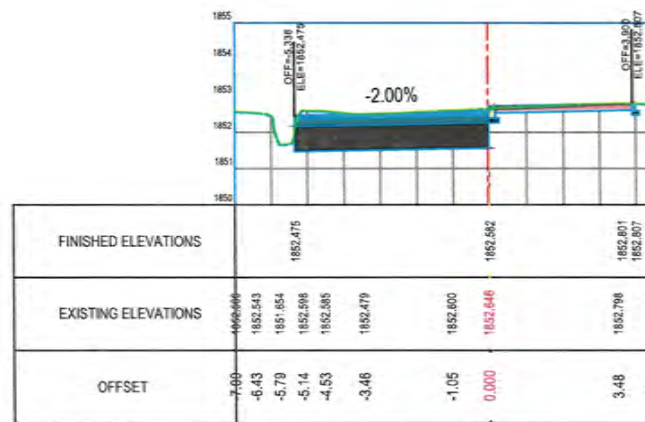
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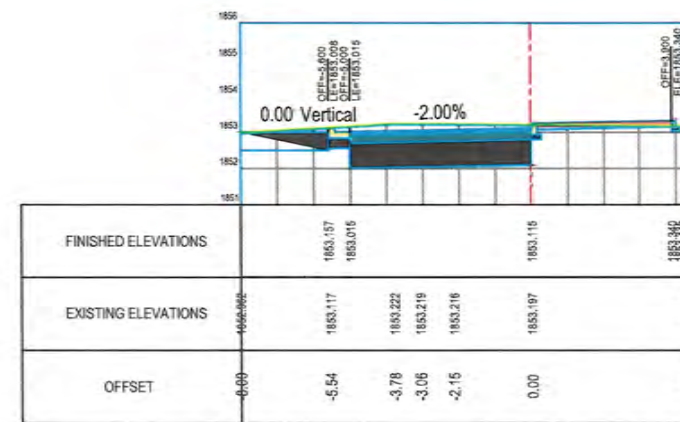
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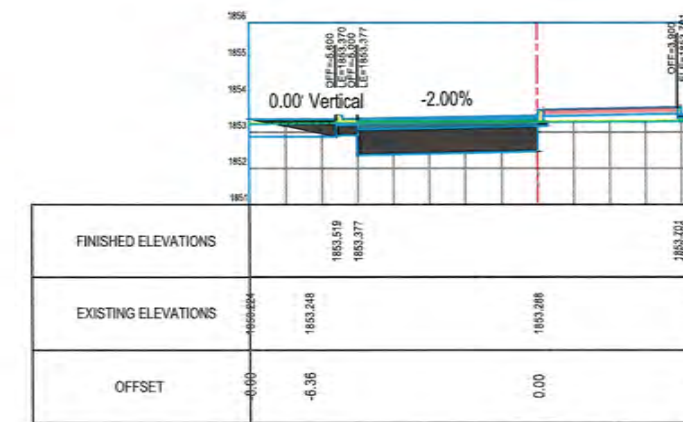
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STATION=0+010



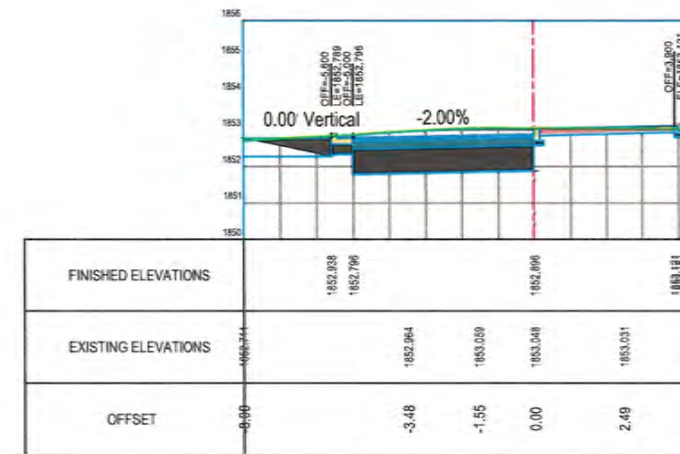
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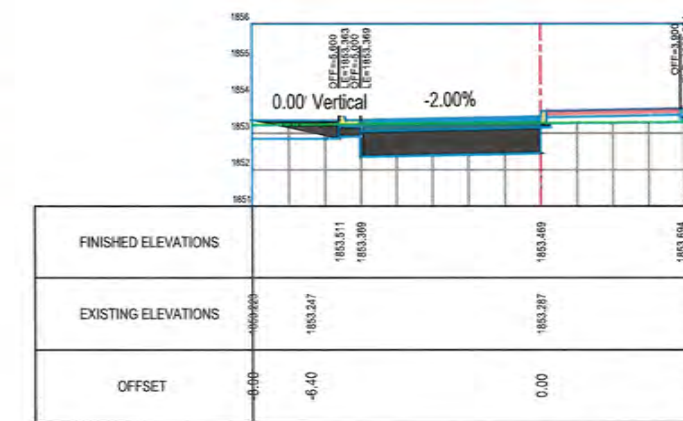
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STATION=0+000





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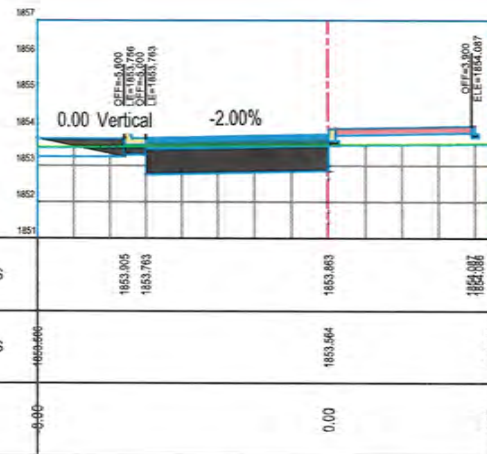


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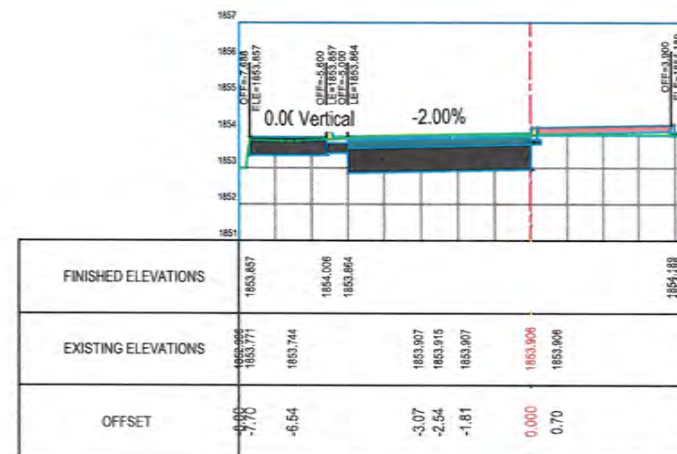
NOTE:
1. All dimensions are in meters unless otherwise indicated.



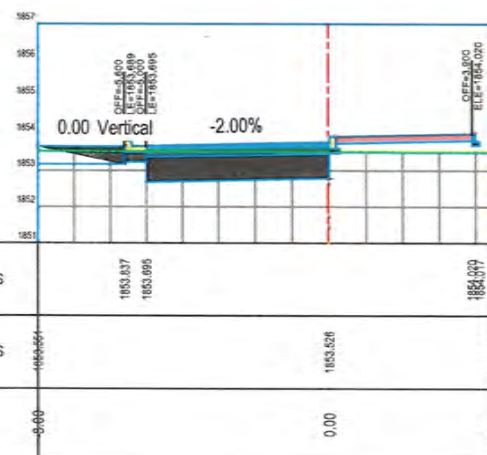
Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name: Nakhas to Omid-e-Sahz Road Project					
Drawing Title:					
CROSS SECTION					
Drawn: M.Ali Dawlatzade		Signature: 			
Designed: M.Ali Dawlatzade		Signature: 			
Checked: Habibullah Shalizi		Signature: 			
Checked:		Signature:			
Date: 10/29/2024		Scale: 1:200			
Status: FINAL DESIGN					
Project Code					
SHEET NO.				Revision	
RTC-CS - (1)				01	



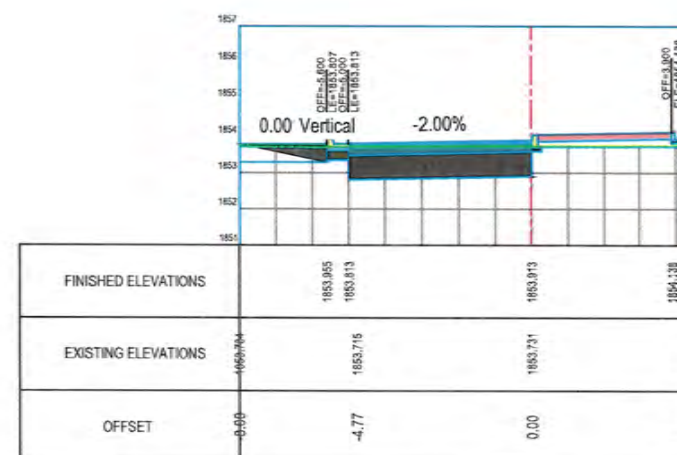
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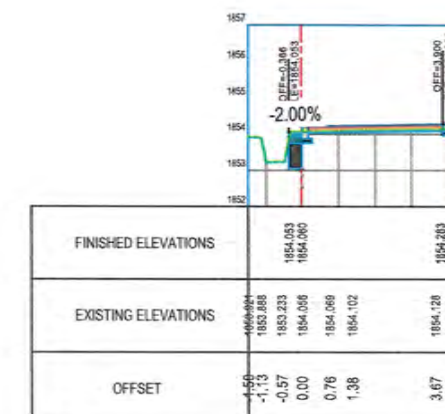
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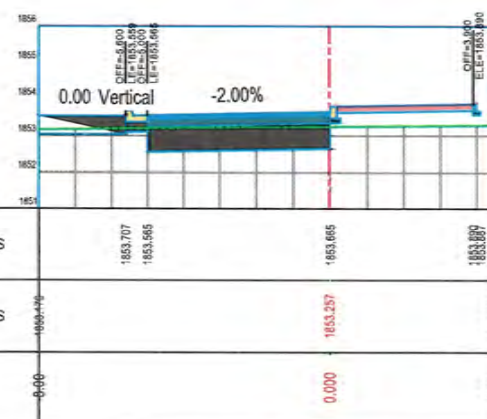
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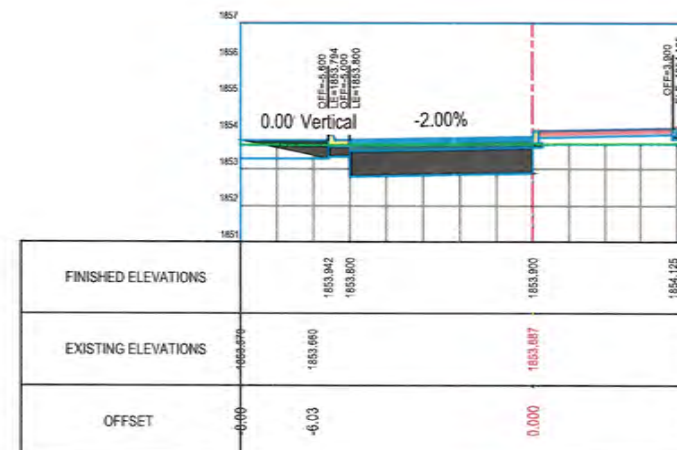
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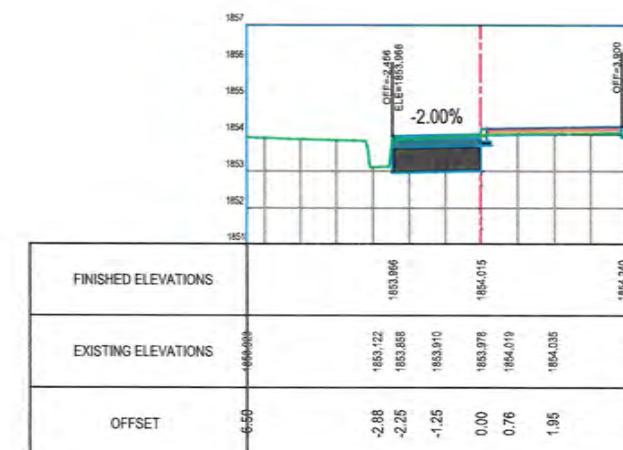
STATION=0+109



STATION=0+050



STATION=0+077



STATION=0+100

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:
Nakhas to Omid-e-Sabr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade

Signature:

Checked: M.Ali Dawlatzade

Signature:

Checked: Hasibullah Shalizi

Signature:

Date: 10/29/2024

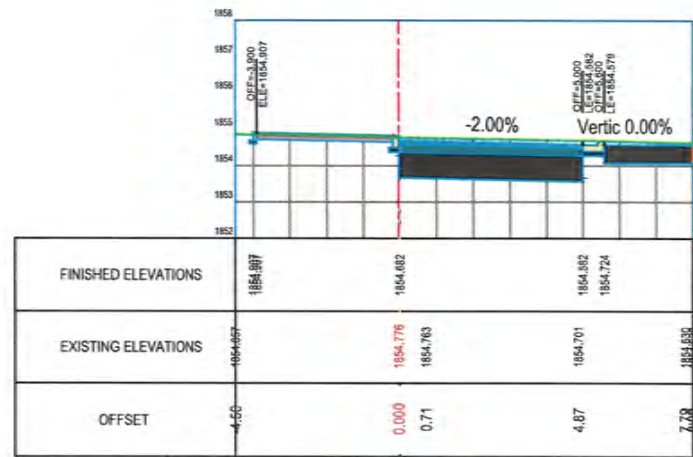
Scale: 1:200

Status: FINAL
DESIGN

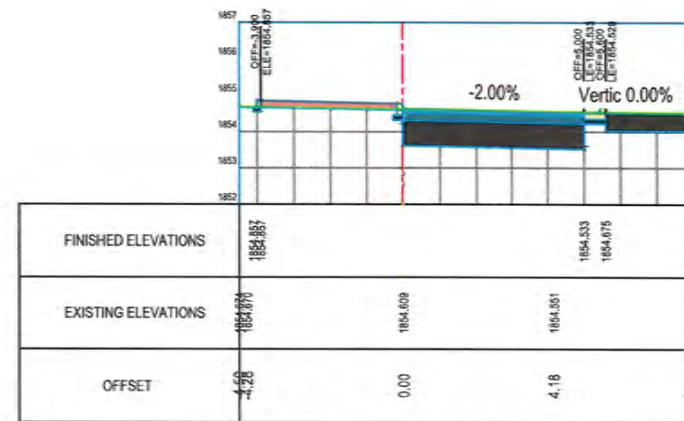
Project Code

SHEET NO. RTC-CS - (2)

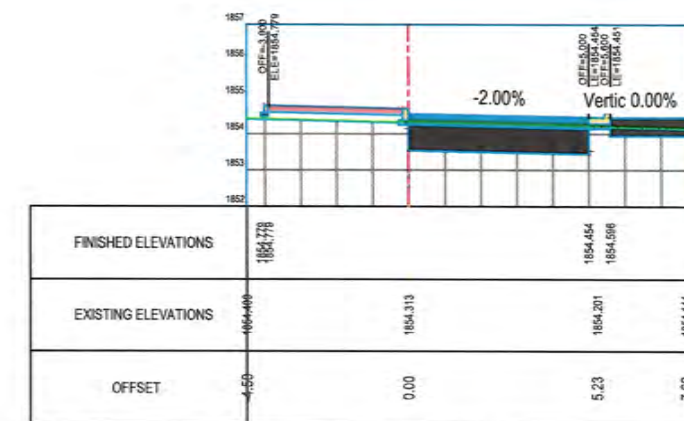
Revision: 01



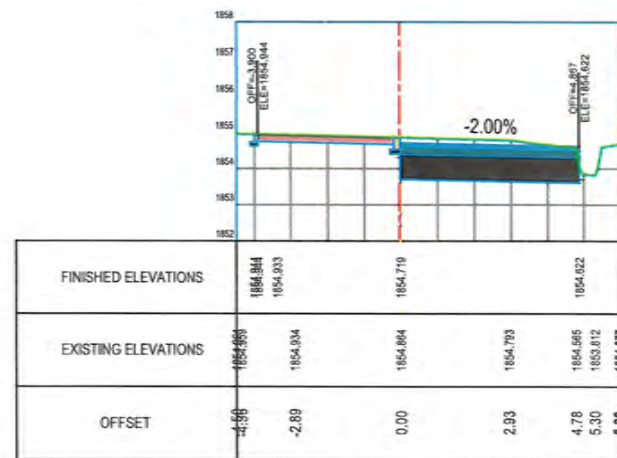
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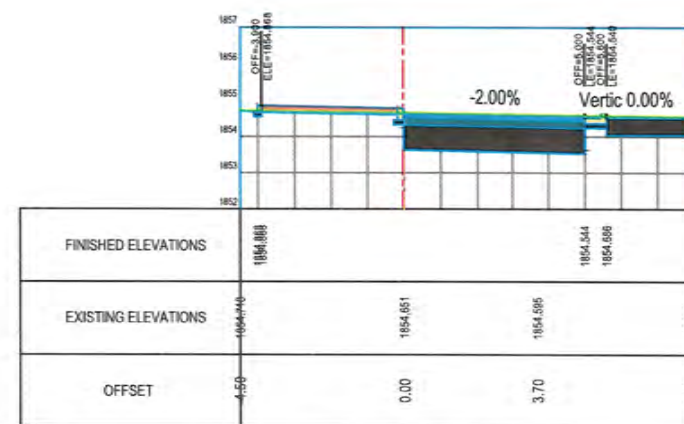
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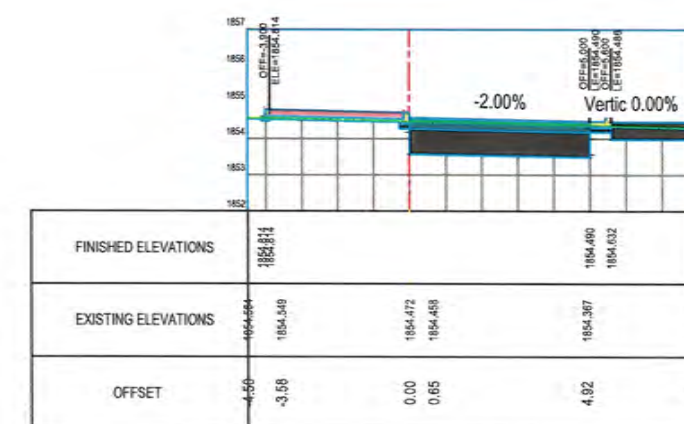
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STATION=0+010



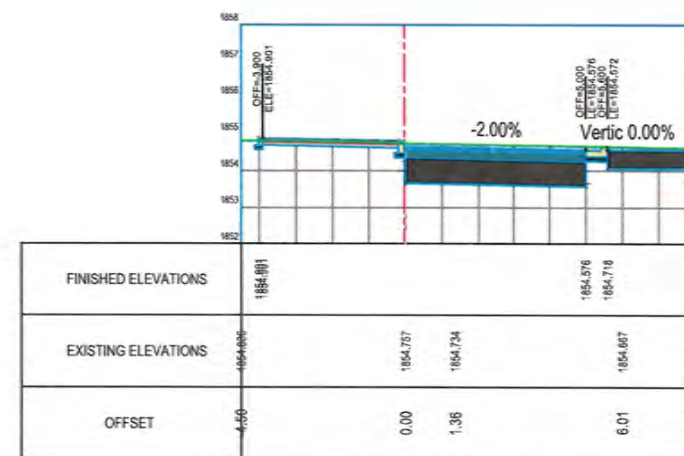
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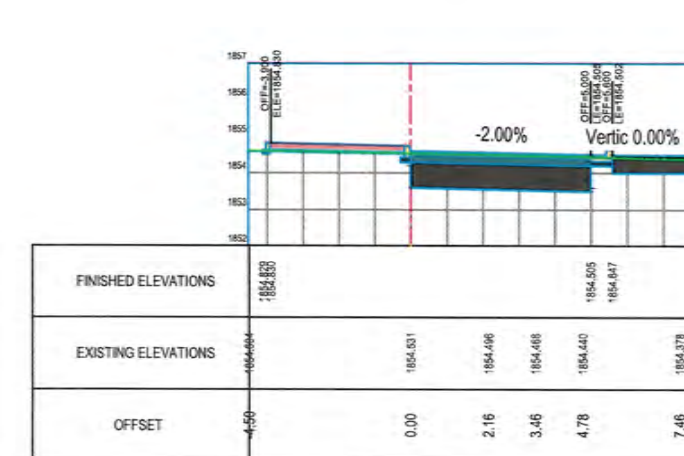
STATION=0+040



STATION=0+000



STATION=0+020



STATION=0+036

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:
Nakhas to Omid-e-Sabr Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

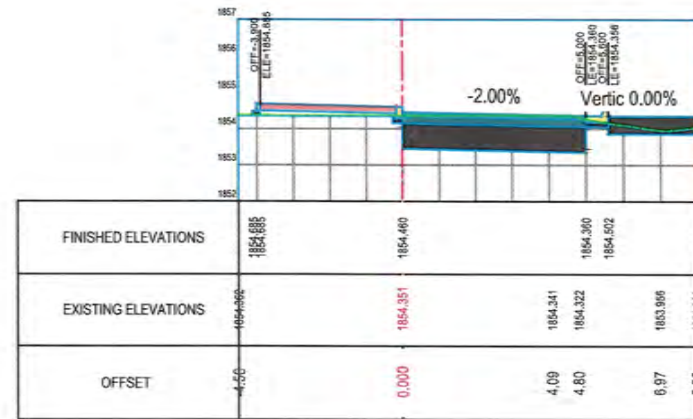
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

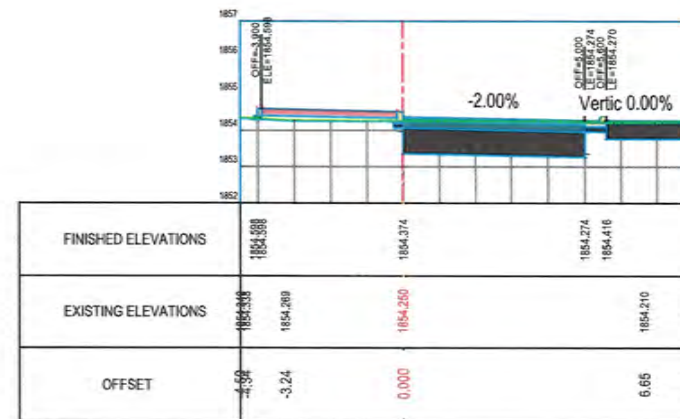
Status: FINAL DESIGN

Project Code

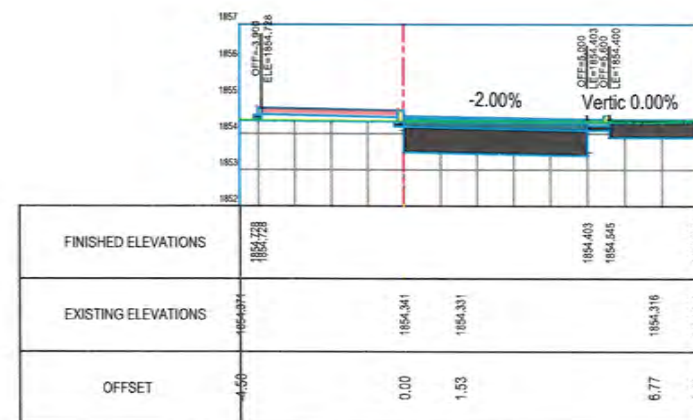
SHEET NO. LTC-CS - (1) Revision: 01



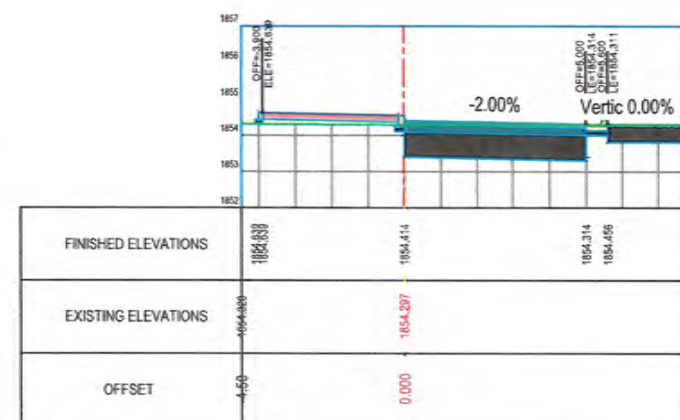
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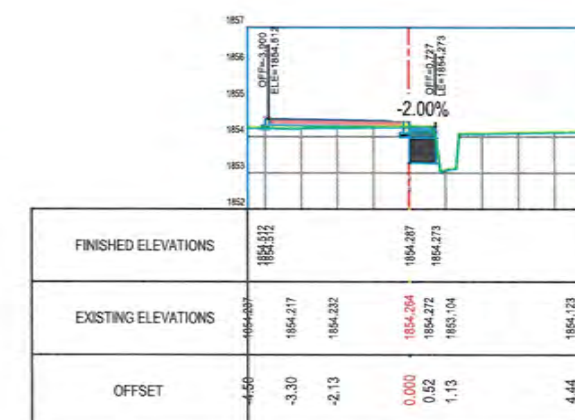
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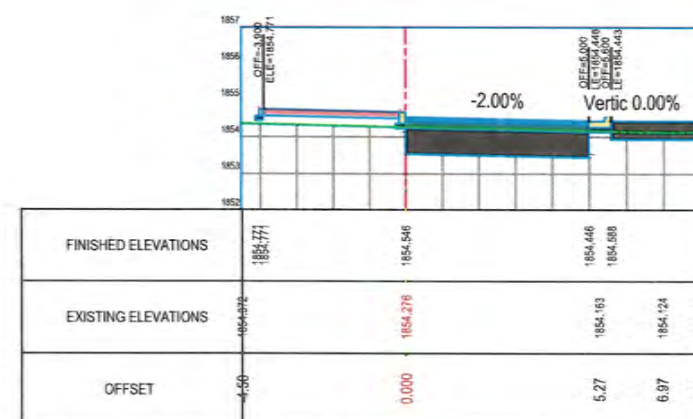
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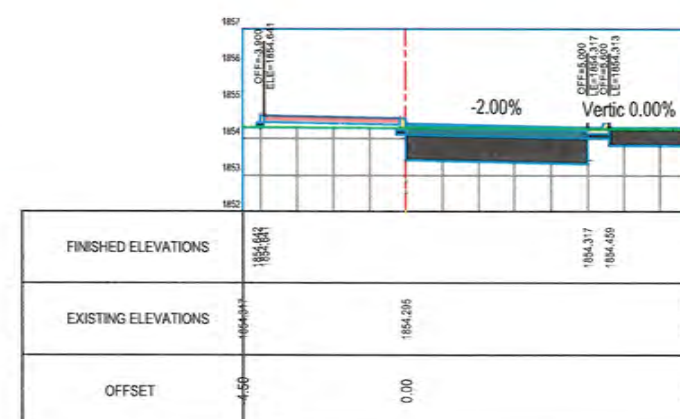
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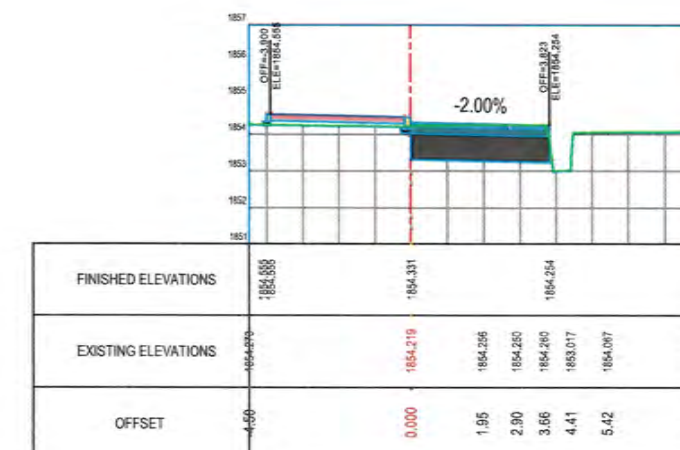
STATION=0+110



STATION=0+050



STATION=0+080



STATION=0+100

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:
Nahhas to Omid-e-Sahz Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: Hasibullah Shalizi Signature:

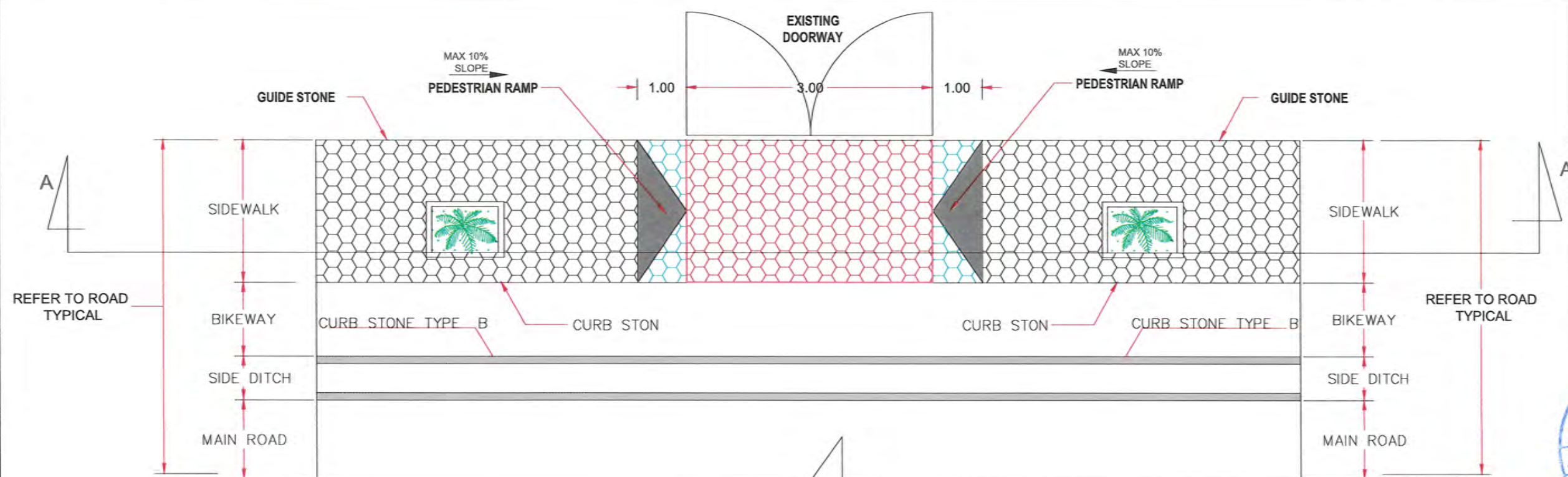
Checked: Signature:

Date: 10/29/2024 Scale: 1:200

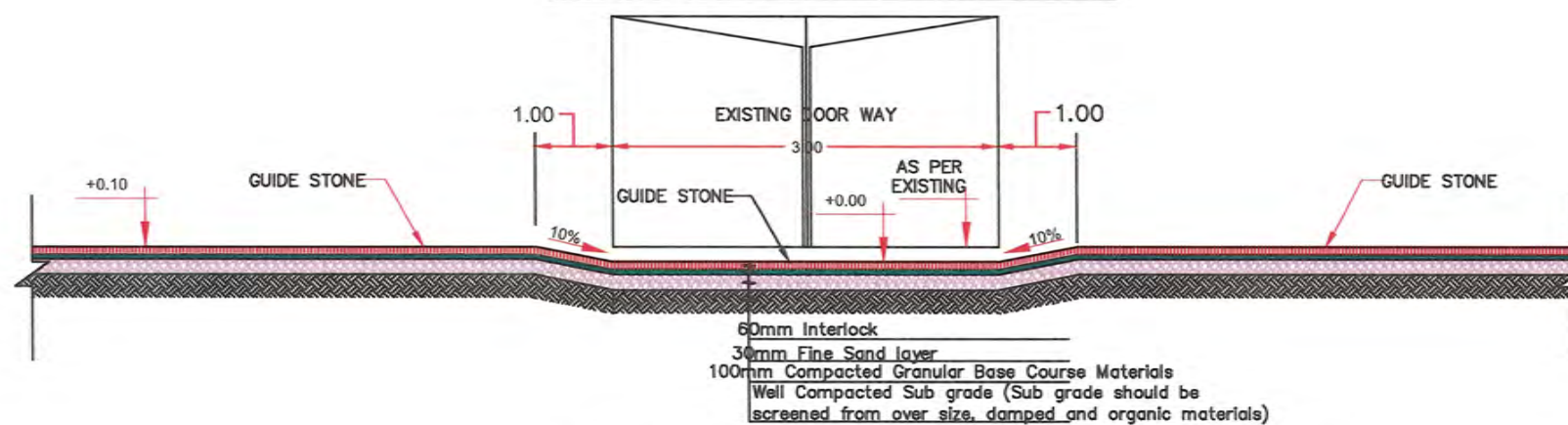
Status: FINAL DESIGN

Project Code:

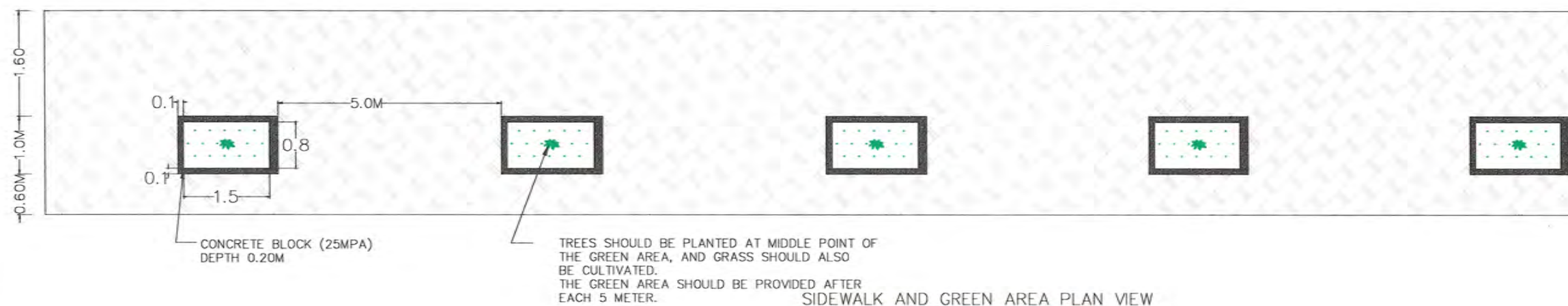
SHEET NO. LTC-CS - (2) Revision 01



DOOR ENTRANCES PLAN AND DETAIL



SECTION A-A FOR DOOR ENTRANCES



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



Rev.	Date	Revision Details	Drawn	Chk.	App.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

DOOR ENTRANCES

Drawn: MAH Dawlatzade
Designed: MAH Dawlatzade
Checked: Habibullah Shalizi

Signature:
Signature:
Signature:

Date: 11/19/2024
Scale: 1:1000

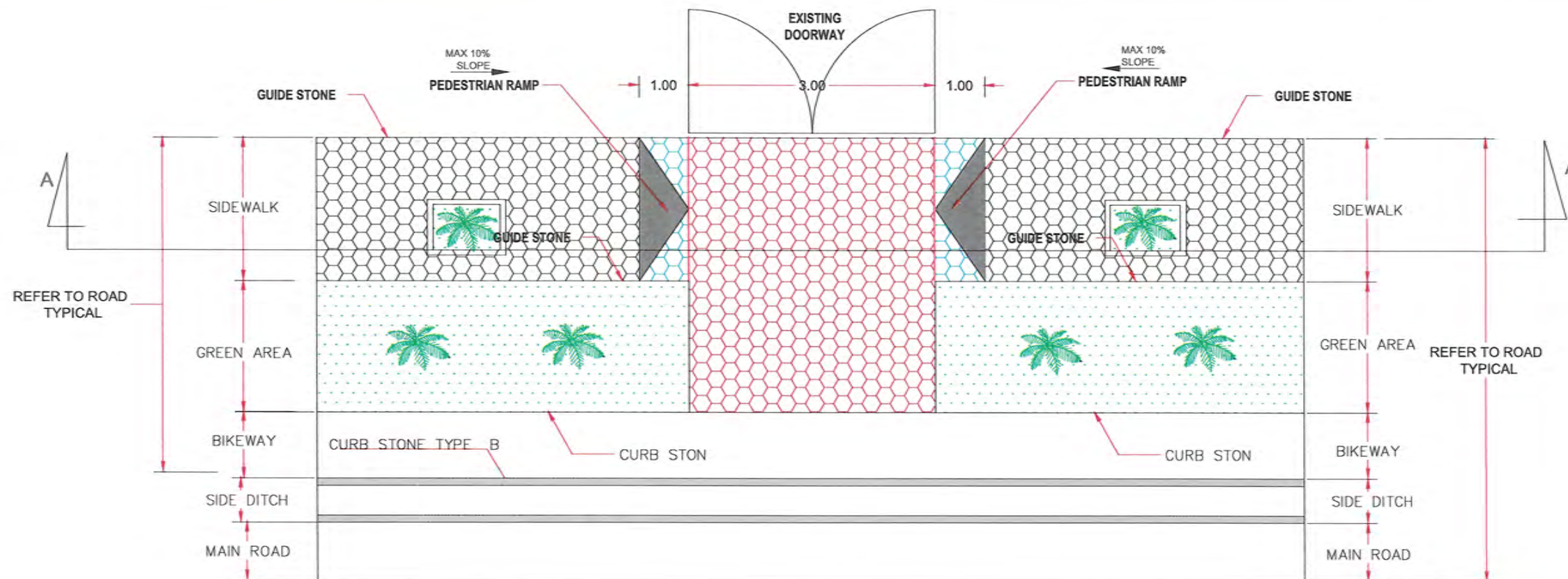
Status: FINAL
DESIGN

Project Code

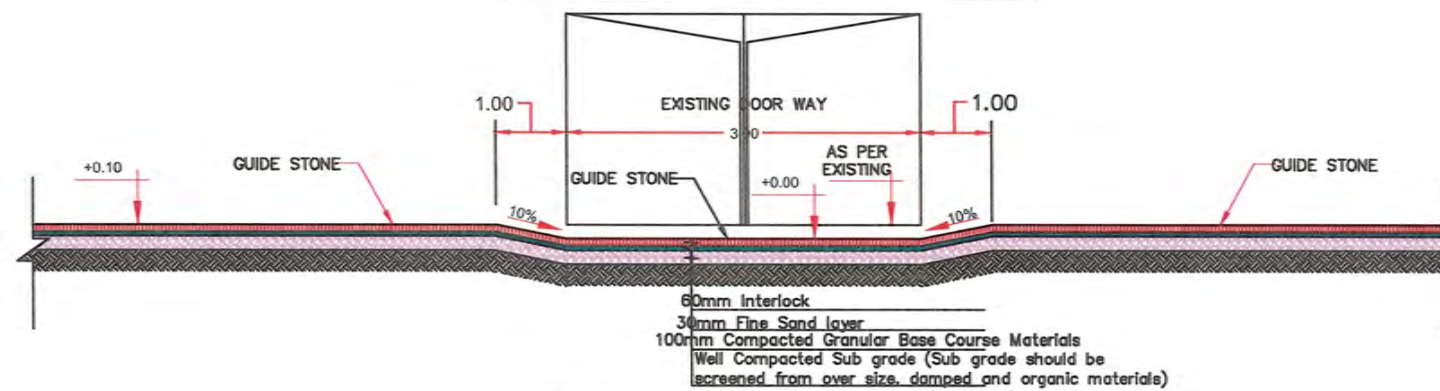
SHEET NO.

Revision

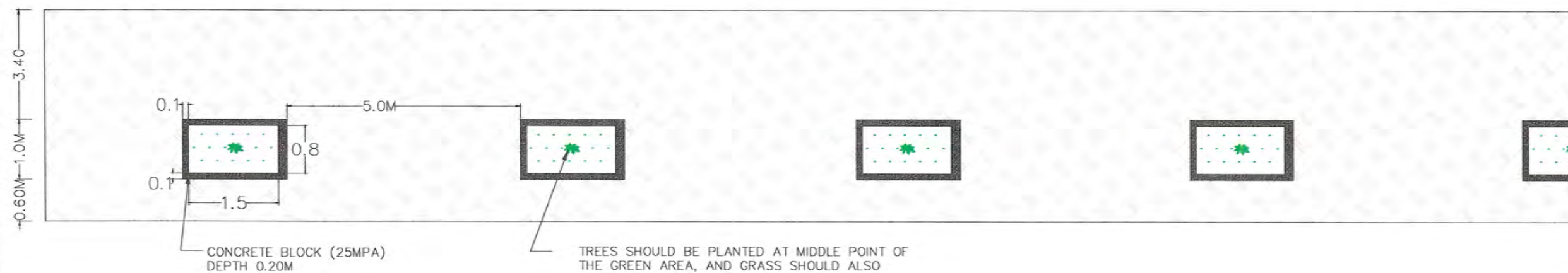
01



DOOR ENTRANCES PLAN AND DETAIL



SECTION A-A FOR DOOR ENTRANCES



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:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
DOOR ENTRANCES
only from station (0+023-0+265)

Drawn: MAJ Dawlatzade	Signature:
Designed: MAJ Dawlatzade	Signature:
Checked: Hasibullah Shalizi	Signature:

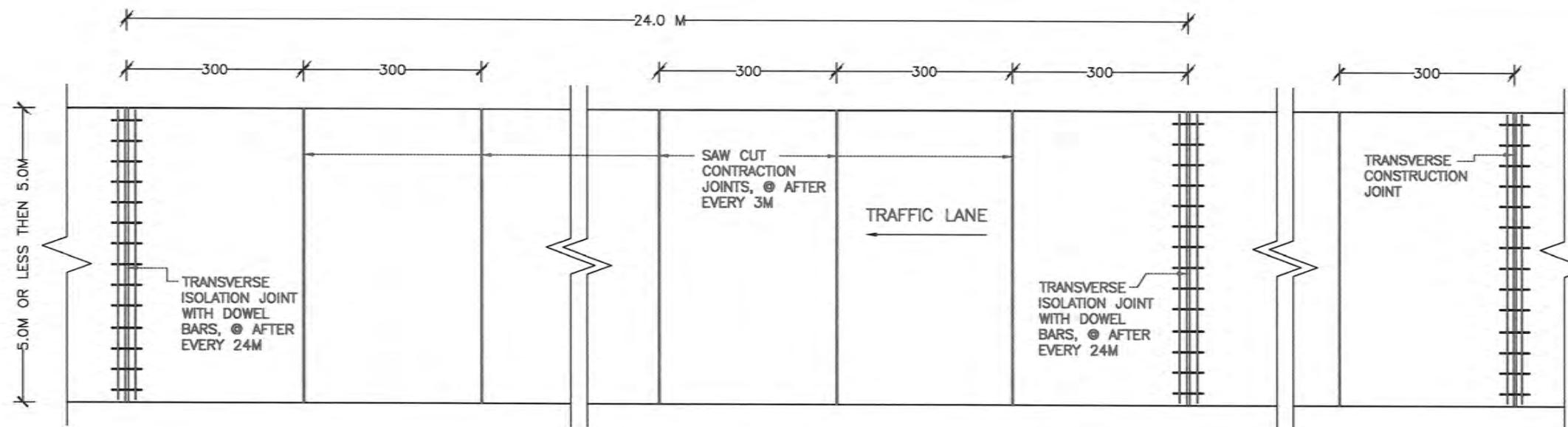
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Status: FINEL DESIGN

Project Code:

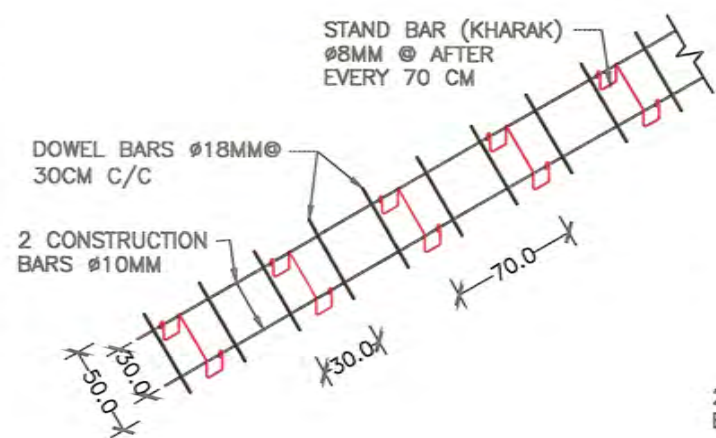
SHEET NO. Revision:

01

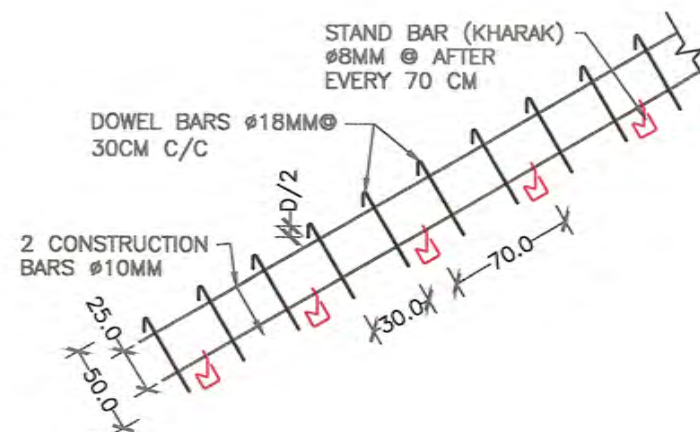


NOTE: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS

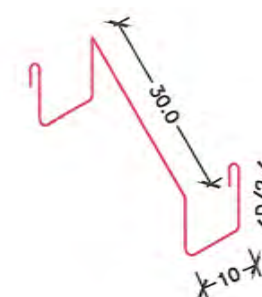
01 BIKEWAY & LINK ROAD PLAN VIEW
SCALE- AS SHOWN



02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN



04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN



05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

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

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CONCRETE JOINTS

Drawn: M.Ali Dawlatzade
Signature: [Signature]

Designed: M.Ali Dawlatzade
Signature: [Signature]

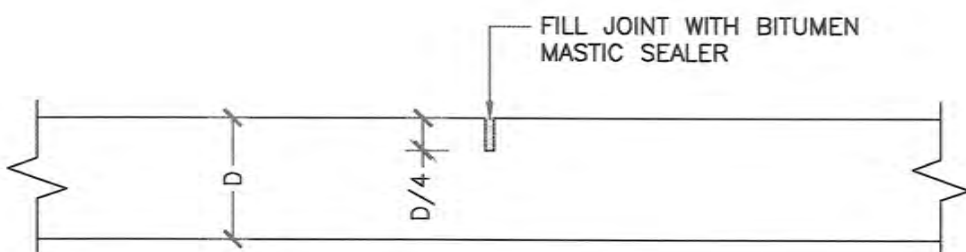
Checked: Hasibullah Shalizi
Signature: [Signature]

Date: 11/19/2024
Scale: 1:1000

Status: FINEL DESIGN

Project Code

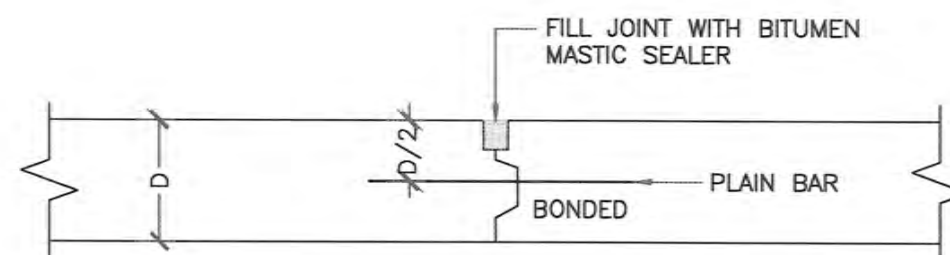
SHEET NO. 01



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

NOTE-1:

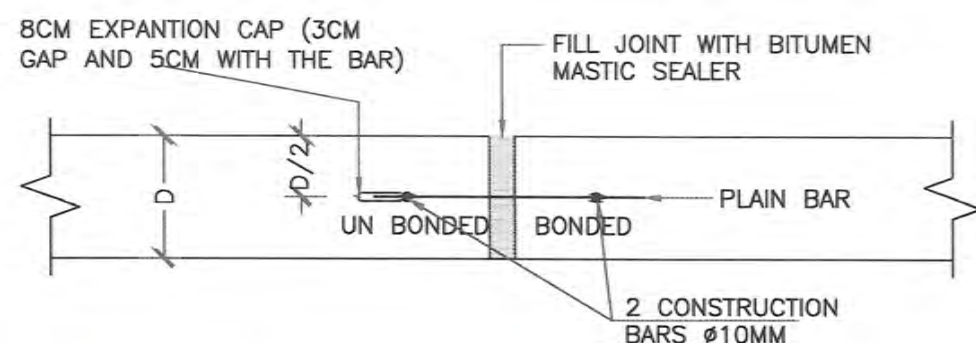
- 1) FORM JOINTS BY SAW CUTTING
- 2) SPACING OF CONTRACTION JOINTS @ AFTER EVERY 3 METER
- 3) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS
- 4) JOINT WIDTH = 0.5-1.0 CM



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

NOTE-2:

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



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

NOTE-3:

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

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:
Nakhas to Omid-e-Sahr Road Project

Drawing Title:

CONCRETE JOINTS

Drawn:
MAli Dawlatzade

Signature:

Designed:
MAli Dawlatzade

Signature:

Checked:
Hasibullah Shalizi

Signature:

Date:
11/19/2024

Scale:
1:1000

Status:
FINEL
DESIGN

Project Code

SHEET NO.

Revision

01

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
0+000.00	0.00	32.13	0.00	0.00	0.00	0.00
0+020.00	0.00	28.26	0.00	283.90	0.00	283.90
0+040.00	14.36	17.26	143.58	441.20	143.58	1025.41
0+060.00	37.85	1.49	322.11	183.85	565.71	1219.26
0+080.00	46.72	0.00	875.66	14.81	1541.38	1234.17
0+100.00	26.89	1.06	765.94	10.58	2307.33	1244.73
0+120.00	22.70	7.91	465.74	85.62	2863.07	1330.35
0+140.00	21.18	20.82	438.78	284.28	3241.82	1614.63
0+160.00	20.83	25.17	418.06	480.84	3659.91	2075.57
0+175.04	20.09	29.17	238.99	316.21	3898.90	2391.78
0+180.00	19.86	32.03	187.14	355.63	4084.53	2647.42
0+184.21	20.13	32.58	84.33	136.15	4168.37	2783.79
0+190.00	20.84	33.17	117.86	190.17	4286.33	2973.93
0+195.79	21.10	34.02	141.75	228.15	4428.07	3202.08
0+200.00	21.20	35.74	87.87	111.84	4475.94	3314.02
0+220.00	18.42	39.96	394.15	713.30	4870.09	4027.31
0+240.00	8.55	38.98	289.84	745.63	5141.73	4772.95
0+260.00	6.95	34.43	154.97	734.01	5296.70	5508.96
0+270.00	2.41	16.87	46.77	598.48	5343.47	6107.44
0+280.00	0.89	16.82	16.27	177.45	5369.74	6284.89

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
0+280.05	0.88	16.11	0.40	10.50	5370.14	6295.39
0+290.00	1.78	15.11	11.18	161.63	5371.31	6457.02
0+293.07	1.69	15.21	5.32	46.39	5376.63	6503.41
0+300.00	0.00	21.03	5.85	125.50	5382.49	6628.91
0+320.00	0.00	26.87	0.04	806.63	5382.53	6709.54
0+340.00	0.55	25.58	5.54	554.44	5388.07	7263.97
0+360.00	2.66	8.32	32.17	336.96	5420.24	7600.93
0+380.00	1.40	20.78	40.82	280.84	5450.88	7881.77
0+400.00	0.95	27.57	23.53	467.38	5484.39	8349.16
0+420.00	0.73	28.35	17.84	573.30	5502.23	8922.46
0+440.00	0.73	21.38	15.84	507.11	5518.07	9429.57
0+460.00	0.65	22.92	13.84	442.73	5531.71	9872.31
0+480.00	1.07	34.90	17.14	576.20	5548.85	10448.51
0+500.00	2.87	14.18	40.40	490.84	5589.25	11039.35
0+520.00	1.53	19.32	45.02	334.80	5634.27	11374.15
0+540.00	0.18	24.13	17.06	834.47	5651.34	11808.62
0+560.00	0.01	16.45	1.88	505.73	5653.21	12314.35
0+580.00	26.98	0.00	268.02	184.46	5921.23	12500.11
0+600.00	5.38	6.47	316.78	64.89	6238.09	12565.00
0+620.00	3.90	12.87	82.79	153.27	6320.77	12718.27

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
0+640.00	1.46	16.45	53.55	293.21	6374.32	12811.48
0+660.00	2.10	14.70	35.88	311.52	6410.21	13122.99
0+680.00	0.86	20.48	27.86	351.58	6438.07	13474.57
0+700.00	0.15	24.13	5.39	445.96	6443.47	13920.53
0+720.00	0.28	27.48	4.48	518.10	6447.95	14438.63
0+740.00	0.93	22.31	12.24	487.80	6460.19	14926.43
0+760.00	0.17	26.30	11.03	408.07	6471.22	15334.41
0+780.00	6.72	0.00	65.98	328.47	6537.21	15662.88
0+800.00	0.17	18.59	56.92	291.40	6594.13	16054.28
0+820.00	0.73	21.41	5.84	400.00	6600.00	16454.28
0+840.00	0.52	31.10	5.42	585.15	6605.52	16839.49
0+860.00	0.42	18.53	8.38	496.29	6613.90	17235.77
0+880.00	2.74	14.81	31.81	330.41	6645.71	17566.18
0+900.00	2.77	14.09	1.42	7.34	6653.05	17639.52
0+920.00	1.82	15.04	22.58	137.86	6675.63	17777.38
0+940.00	2.32	15.08	21.17	150.63	6706.80	17928.18
0+960.00	2.72	15.35	25.19	152.18	6731.99	18080.36
0+980.00	3.00	15.85	17.30	94.39	6762.38	18174.75
0+1000.00	3.58	11.78	12.84	54.57	6775.22	18229.27
0+1020.00	3.01	15.12	32.84	134.82	6808.06	18364.09

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
0+000.01	1.08	3.05	0.00	0.00	0.00	0.00
0+000.06	1.08	3.18	0.05	0.14	0.05	0.14
0+010.00	0.82	4.50	8.53	39.88	8.58	40.02
0+020.00	1.71	4.51	11.58	47.91	20.16	87.93
0+030.00	2.05	3.44	17.37	42.66	37.53	130.59
0+035.11	1.13	4.91	7.50	22.84	45.03	153.43
0+040.00	0.58	5.80	3.82	30.71	48.85	184.14
0+050.00	0.00	8.21	2.64	85.45	51.49	269.59
0+060.00	0.42	8.27	1.90	93.29	53.39	362.88
0+070.00	1.00	5.63	8.46	90.74	59.85	453.62
0+070.15	1.01	8.58	0.16	1.33	60.00	454.95
0+075.15	1.40	7.09	7.24	46.96	67.24	501.94
0+080.00	2.02	6.54	7.11	24.15	74.34	526.09
0+087.63	2.45	6.17	18.43	44.64	92.77	570.73
0+090.00	2.35	6.27	6.18	13.63	98.93	584.38
0+099.10	1.71	5.04	19.74	47.49	118.67	631.85
0+100.00	1.03	5.02	1.23	4.54	119.91	636.39
0+110.00	0.00	4.48	5.14	47.52	125.04	683.91
0+115.41	0.00	1.37	0.00	15.53	125.04	699.74

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
0+840.00	1.88	13.89	23.46	145.36	6836.76	18985.17
0+860.00	0.52	16.00	11.03	164.79	6847.79	19150.00
0+880.00	0.50	20.07	0.85	31.00	6848.64	19181.00
0+900.00	1.42	20.43	8.40	170.38	6857.04	19351.38
0+920.00	2.38	17.81	37.74	380.38	6894.78	19731.76
0+940.00	1.26	14.67	36.11	324.85	6930.89	20056.61
0+960.00	0.83	20.78	15.83	308.50	6946.72	20365.11
0+980.00	0.47	24.84	10.84	408.15	6957.56	20773.26
1+000.00	2.07	23.63	25.41	484.82	6983.00	21258.08
1+020.00	2.48	18.88	45.63	603.02	7028.63	21861.10
1+040.00	0.30	20.31	27.85	388.85	7056.48	22250.00
1+060.00	1.44	22.70	17.39	430.09	7073.87	22680.09
1+080.00	0.06	34.85	15.18	709.88	7089.05	23389.97
1+100.00	6.48	8.95	85.32	338.00	7174.37	23727.97
1+120.00	2.67	16.90	91.30	278.91	7265.67	24006.88
1+140.00	0.82	13.12	35.94	320.33	7281.61	24327.20
1+160.00	1.13	12.89	1.85	34.88	7283.46	24362.08
1+180.00	1.49	14.10	10.59	198.64	7294.05	24560.72
1+200.00	2.89	15.82	21.89	133.10	7315.94	24693.82
1+220.00	0.85	17.80	17.69	133.86	7333.64	24827.68

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
1+240.00	0.00	27.35	3.25	225.77	7333.92	24830.93
1+260.00	0.00	33.98	0.00	306.73	7333.92	25137.66
1+280.00	0.00	37.03	0.00	325.13	7333.92	25462.79
1+300.00	0.00	36.81	0.00	363.33	7333.92	25826.12
1+320.00	0.00	34.63	0.00	381.23	7333.92	26207.35
1+340.00	0.00	30.03	0.00	323.59	7333.92	26530.94
1+360.00	0.22	28.03	1.08	280.28	7335.00	26811.22
1+380.00	0.34	23.03	2.30	245.26	7337.30	27056.52
1+400.00	0.00	24.02	1.21	235.55	7338.51	27292.07
1+420.00	0.00	26.28	0.00	72.42	7338.51	27364.59
1+440.00	0.00	23.79	0.00	178.19	7338.51	27542.78
1+460.00	0.00	15.16	0.00	194.73	7338.51	27737.51
1+480.00	2.08	17.10	10.43	121.84	7339.59	27859.35
1+500.00	3.48	6.58	27.88	78.79	7343.07	27938.14
1+520.00	6.35	2.82	46.18	47.04	7349.42	28005.18
1+540.00	13.24	0.30	87.63	15.87	7357.05	28021.05
1+560.00	26.98	0.00	184.08	2.03	7375.03	28023.08
1+580.00	30.37	0.30	276.72	1.27	7651.75	28024.35
1+600.00	63.88	0.00	471.14	1.01	8122.89	28025.36
1+620.00	37.39	0.00	806.27	0.00	8929.16	28025.36

Station	FB Area	Out Area	FB Volume	Out Volume	Cumulative FB Vol	Cumulative Out Vol
1+640.00	27.80	0.00	326.44	0.00	9255.60	28025.36
1+660.00	18.18	0.00	230.44	0.00	9486.04	28025.36
1+680.00	16.00	0.00	65.81	0.00	9551.85	28025.36
1+700.00	11.81	0.38	222.02	3.08	9773.87	28028.44
1+720.00	8.28	1.86	207.56	22.88	10081.43	28051.32
1+740.00	10.74	0.28	186.88	21.82	10268.31	28073.14
1+760.00	6.58	3.40	173.14	37.21	10441.45	28110.35
1+780.00	3.68	20.10	102.59	235.44	10544.04	28345.79
1+800.00	3.28	25.78	66.80	488.58	10610.84	28834.37
1+820.00	1.71	22.44	46.85	482.02	10657.55	29316.39
1+840.00	3.58	6.91	82.87	313.82	10740.43	29630.21
1+860.00	1.89	17.19	82.77	281.63	10823.32	29911.84
1+880.00	0.15	24.00	10.38	416.90	10913.47	30328.74
1+900.00	0.00	21.43	1.44	543.47	10914.91	30872.21
1+920.00	0.00	31.98	0.00	17.93	10914.91	30890.14
1+940.00	0.00	45.87	0.00	388.85	10914.91	31279.00
1+960.00	0.00	68.81	0.00	308.25	10914.91	31587.25
1+980.00	0.00	78.13	0.00	331.32	10914.91	31918.57
1+1000.00	0.00	53.33	0.00	800.81	10914.91	32719.38
1+1015.43	0.00	85.28	0.00	130.30	10914.91	32849.68

Total Volume Table						
Station	FBI Area	Out Area	FBI Volume	Out Volume	Cumulative FBI Vol	Cumulative Out Vol
0+008.21	0.00	7.08	0.00	0.00	0.00	0.00
0+010.00	0.11	6.02	0.19	23.72	0.19	23.72
0+020.00	1.34	3.84	6.88	50.81	6.87	76.53
0+030.00	0.67	4.01	9.24	40.58	16.11	117.11
0+038.08	0.00	7.29	1.87	38.20	17.98	153.31
0+040.00	0.00	7.43	0.00	30.33	17.98	183.63
0+060.00	0.27	5.82	1.24	70.11	19.22	253.75
0+080.00	0.34	5.23	2.81	66.71	22.03	312.46
0+070.00	0.11	8.33	2.08	61.39	24.11	373.84
0+072.17	0.08	6.57	0.17	14.88	24.28	388.70
0+080.00	0.00	7.16	0.25	53.10	24.53	441.80
0+081.88	0.00	7.23	0.00	13.34	24.53	455.14
0+090.00	0.00	7.32	0.00	87.24	24.53	512.38
0+095.41	0.00	7.40	0.00	38.54	24.53	550.92
0+100.00	0.19	7.16	0.47	32.26	25.00	583.18
0+108.97	0.00	6.92	0.93	59.26	25.93	642.44
0+110.00	0.00	6.55	0.00	6.70	25.93	649.14
0+120.00	0.00	4.23	0.02	53.93	25.95	703.07
0+127.11	0.00	1.42	0.00	20.09	25.95	723.16

Station	Coordinate.N	Coordinate.E
0+000.00	3,814,840.7107m	507,658.4960m
0+020.00	3,814,860.7025m	507,657.9232m
0+040.00	3,814,880.6943m	507,657.3505m
0+060.00	3,814,900.6860m	507,656.7777m
0+080.00	3,814,920.6778m	507,656.2049m
0+100.00	3,814,940.6696m	507,655.6322m
0+120.00	3,814,960.6614m	507,655.0594m
0+140.00	3,814,980.6532m	507,654.4866m
0+160.00	3,815,000.6450m	507,653.9139m
0+180.00	3,815,020.6344m	507,653.2712m
0+200.00	3,815,040.5912m	507,651.9752m
0+220.00	3,815,060.5289m	507,650.3979m
0+240.00	3,815,080.4666m	507,648.8206m
0+260.00	3,815,100.4043m	507,647.2433m
0+280.00	3,815,120.3495m	507,645.7680m
0+300.00	3,815,140.3249m	507,644.7828m
0+320.00	3,815,160.3062m	507,643.9196m
0+340.00	3,815,180.2876m	507,643.0563m
0+360.00	3,815,200.2690m	507,642.1931m
0+380.00	3,815,220.2503m	507,641.3298m
0+400.00	3,815,240.2317m	507,640.4666m
0+420.00	3,815,260.2130m	507,639.6033m
0+440.00	3,815,280.1944m	507,638.7401m
0+460.00	3,815,300.1758m	507,637.8768m
0+480.00	3,815,320.1571m	507,637.0136m
0+500.00	3,815,340.1385m	507,636.1503m
0+520.00	3,815,360.1198m	507,635.2871m
0+540.00	3,815,380.1012m	507,634.4238m
0+560.00	3,815,400.0826m	507,633.5606m
0+580.00	3,815,420.0639m	507,632.6973m
0+600.00	3,815,440.0453m	507,631.8341m
0+620.00	3,815,460.0267m	507,630.9708m
0+640.00	3,815,480.0080m	507,630.1076m
0+660.00	3,815,499.9894m	507,629.2443m
0+680.00	3,815,519.9707m	507,628.3811m
0+700.00	3,815,539.9521m	507,627.5179m
0+720.00	3,815,559.9335m	507,626.6546m
0+740.00	3,815,579.9148m	507,625.7914m
0+760.00	3,815,599.8962m	507,624.9281m
0+780.00	3,815,619.8775m	507,624.0649m
0+800.00	3,815,639.8589m	507,623.2016m
0+820.00	3,815,659.8403m	507,622.3384m
0+840.00	3,815,679.8216m	507,621.4751m
0+860.00	3,815,699.8030m	507,620.6119m
0+880.00	3,815,719.7844m	507,619.7486m
0+900.00	3,815,739.7744m	507,619.1362m
0+920.00	3,815,759.7736m	507,619.0523m
0+940.00	3,815,779.7681m	507,619.4971m
0+960.00	3,815,799.7464m	507,620.4236m
0+980.00	3,815,819.7206m	507,621.4388m
1+000.00	3,815,839.6948m	507,622.4539m

1+020.00	3,815,859.6690m	507,623.4691m
1+040.00	3,815,879.6433m	507,624.4842m
1+060.00	3,815,899.6175m	507,625.4994m
1+080.00	3,815,919.5917m	507,626.5146m
1+100.00	3,815,939.5659m	507,627.5297m
1+120.00	3,815,959.5401m	507,628.5449m
1+140.00	3,815,979.5143m	507,629.5601m
1+160.00	3,815,999.4886m	507,630.5752m
1+180.00	3,816,019.4628m	507,631.5904m
1+200.00	3,816,039.4370m	507,632.6056m
1+220.00	3,816,059.4223m	507,633.6208m
1+240.00	3,816,079.4213m	507,633.6272m
1+260.00	3,816,099.4117m	507,632.8398m
1+280.00	3,816,119.3715m	507,631.5864m
1+300.00	3,816,139.2784m	507,629.6686m
1+320.00	3,816,159.1103m	507,627.0884m
1+340.00	3,816,178.8452m	507,623.8487m
1+360.00	3,816,198.4612m	507,619.9530m
1+380.00	3,816,217.9365m	507,615.4058m
1+400.00	3,816,237.2494m	507,610.2120m
1+420.00	3,816,256.3784m	507,604.3775m
1+440.00	3,816,275.3024m	507,597.9088m
1+460.00	3,816,294.0771m	507,591.0161m
1+480.00	3,816,312.8476m	507,584.1117m
1+500.00	3,816,331.6181m	507,577.2074m
1+520.00	3,816,350.3885m	507,570.3030m
1+540.00	3,816,369.1590m	507,563.3987m
1+560.00	3,816,387.9294m	507,556.4944m
1+580.00	3,816,406.6999m	507,549.5900m
1+600.00	3,816,425.4704m	507,542.6857m
1+620.00	3,816,444.2408m	507,535.7814m
1+640.00	3,816,463.0113m	507,528.8770m
1+660.00	3,816,481.7819m	507,521.9730m
1+680.00	3,816,500.7077m	507,515.5118m
1+700.00	3,816,519.8797m	507,509.8191m
1+720.00	3,816,539.0932m	507,504.2655m
1+740.00	3,816,558.3066m	507,498.7119m
1+760.00	3,816,577.5201m	507,493.1584m
1+780.00	3,816,596.7336m	507,487.6048m
1+800.00	3,816,615.9470m	507,482.0512m
1+820.00	3,816,635.1605m	507,476.4976m
1+840.00	3,816,654.3740m	507,470.9440m
1+860.00	3,816,673.5875m	507,465.3904m
1+880.00	3,816,692.8009m	507,459.8368m
1+900.00	3,816,712.0144m	507,454.2832m
1+920.00	3,816,731.1488m	507,448.4669m
1+940.00	3,816,750.0707m	507,441.9903m
1+960.00	3,816,768.9584m	507,435.4136m
1+980.00	3,816,787.8461m	507,428.8369m
2+000.00	3,816,806.7339m	507,422.2601m

2+020.00	3,816,825.6216m	507,415.6834m
2+040.00	3,816,844.5093m	507,409.1067m
2+060.00	3,816,863.3971m	507,402.5300m
2+080.00	3,816,882.3842m	507,396.2501m
2+100.00	3,816,901.6100m	507,390.7442m
2+120.00	3,816,921.0444m	507,386.0274m
2+140.00	3,816,940.6007m	507,381.8384m
2+160.00	3,816,960.1599m	507,377.6623m
2+180.00	3,816,979.7190m	507,373.4862m
2+200.00	3,816,999.2782m	507,369.3101m
2+220.00	3,817,018.8373m	507,365.1341m
2+240.00	3,817,038.3965m	507,360.9580m
2+260.00	3,817,057.9556m	507,356.7819m
2+280.00	3,817,077.5148m	507,352.6058m
2+300.00	3,817,097.0740m	507,348.4297m
2+320.00	3,817,116.6331m	507,344.2537m
2+340.00	3,817,136.1923m	507,340.0776m
2+360.00	3,817,155.7514m	507,335.9015m
2+380.00	3,817,175.3106m	507,331.7254m
2+400.00	3,817,194.8697m	507,327.5493m
2+420.00	3,817,214.4289m	507,323.3733m
2+440.00	3,817,233.9880m	507,319.1972m
2+460.00	3,817,253.5472m	507,315.0211m
2+480.00	3,817,273.1193m	507,310.9069m
2+500.00	3,817,292.7687m	507,307.1811m
2+520.00	3,817,312.4961m	507,303.8927m
2+540.00	3,817,332.2579m	507,300.8153m
2+560.00	3,817,352.0198m	507,297.7379m
2+580.00	3,817,371.7816m	507,294.6604m
2+600.00	3,817,391.5434m	507,291.5830m
2+620.00	3,817,411.3052m	507,288.5056m
2+640.00	3,817,431.0670m	507,285.4282m
2+660.00	3,817,450.8289m	507,282.3508m
2+680.00	3,817,470.5907m	507,279.2733m
2+700.00	3,817,490.3525m	507,276.1959m
2+720.00	3,817,510.1143m	507,273.1185m
2+740.00	3,817,529.8761m	507,270.0411m
2+760.00	3,817,549.6380m	507,266.9636m
2+780.00	3,817,569.3998m	507,263.8862m
2+800.00	3,817,589.1616m	507,260.8088m
2+820.00	3,817,608.9234m	507,257.7314m
2+840.00	3,817,628.6852m	507,254.6540m
2+860.00	3,817,648.4470m	507,251.5765m
2+880.00	3,817,668.2089m	507,248.4991m
2+900.00	3,817,687.9707m	507,245.4217m
2+920.00	3,817,707.7325m	507,242.3443m
2+940.00	3,817,727.4943m	507,239.2668m
2+945.99	3,817,733.4090m	507,238.3458m

Alignment Name: Left Turn-B

Station	Coordinate.N	Coordinate.E
0+000.00	3,817,671.6384m	507,236.2374m
0+010.00	3,817,681.2758m	507,233.6465m
0+020.00	3,817,690.1109m	507,229.0059m
0+030.00	3,817,697.7138m	507,222.5414m
0+040.00	3,817,703.7145m	507,214.5674m
0+050.00	3,817,707.8212m	507,205.4719m
0+060.00	3,817,709.8342m	507,195.6973m
0+070.00	3,817,709.6553m	507,185.7193m
0+080.00	3,817,708.2098m	507,175.8246m
0+090.00	3,817,707.2112m	507,165.8805m
0+100.00	3,817,707.4828m	507,155.8912m
0+110.00	3,817,709.0355m	507,146.0192m
0+120.00	3,817,711.1021m	507,136.2350m
0+129.85	3,817,713.1379m	507,126.5961m

Alignment Name: Left Turn-C

Station	Coordinate.N	Coordinate.E
0+000.00	3,817,739.8289m	507,140.2020m
0+010.00	3,817,745.7877m	507,148.2327m
0+020.00	3,817,751.7259m	507,156.2783m
0+030.00	3,817,756.3993m	507,165.0936m
0+040.00	3,817,759.0614m	507,174.7200m
0+050.00	3,817,761.2287m	507,184.4818m
0+060.00	3,817,764.5182m	507,193.9026m
0+070.00	3,817,769.8441m	507,202.3409m
0+080.00	3,817,776.9330m	507,209.3637m
0+090.00	3,817,785.4209m	507,214.6102m
0+100.00	3,817,794.8720m	507,217.8113m
0+110.00	3,817,804.8012m	507,218.8025m
0+113.11	3,817,807.9043m	507,218.6494m

Alignment Name: Right Turn-B

Station	Coordinate.N	Coordinate.E
0+000.00	3,817,679.1134m	507,258.5408m
0+010.00	3,817,689.0830m	507,258.0910m
0+020.00	3,817,698.9095m	507,259.8331m
0+030.00	3,817,708.1169m	507,263.6827m
0+040.00	3,817,716.2591m	507,269.4533m
0+050.00	3,817,722.9417m	507,276.8653m
0+060.00	3,817,727.8408m	507,285.5598m
0+070.00	3,817,730.7193m	507,295.1154m
0+080.00	3,817,732.7483m	507,304.9042m
0+090.00	3,817,736.4485m	507,314.1734m
0+100.00	3,817,742.0444m	507,322.4386m
0+110.00	3,817,748.3684m	507,330.1851m
0+116.67	3,817,752.5854m	507,335.3508m

Alignment Name: Right Turn-C

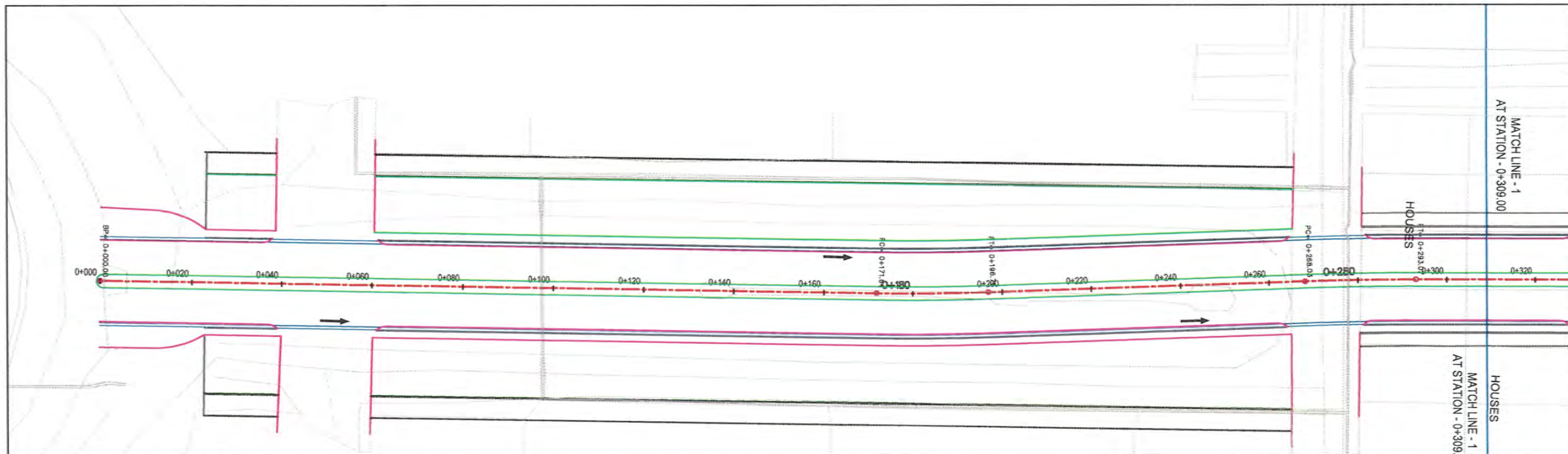
Station	Coordinate.N	Coordinate.E
0+000.00	3,817,776.7759m	507,335.0144m
0+010.00	3,817,779.7593m	507,325.4698m
0+020.00	3,817,782.3894m	507,315.8295m
0+030.00	3,817,783.3550m	507,305.8900m
0+040.00	3,817,782.5099m	507,295.9396m
0+050.00	3,817,780.9627m	507,286.0661m
0+060.00	3,817,781.3693m	507,276.0959m
0+070.00	3,817,784.0131m	507,266.4740m
0+080.00	3,817,788.7580m	507,257.6959m
0+090.00	3,817,795.3597m	507,250.2134m
0+100.00	3,817,803.4783m	507,244.4119m
0+109.50	3,817,812.2116m	507,240.7319m



Rev.	Date	Revision Details	Drawn	Chd.	Appd.
ISLAMIC EMIRATE OF AFGHANISTAN					
Designed By:					
			KABUL MUNICIPALITY DESIGN TEAM		
Project Name: Nakhas to Omid-e-Sahr Road Project					
Drawing Title: STAKEOUT					
Drawn: M.Ali Dawlatzoda		Signature:			
Designed: M.Ali Dawlatzoda		Signature:			
Checked: Hasibullah Shalizi		Signature:			
Date: 11/18/2024		Scale: 1:1000			
Status: FINEL DESIGN					

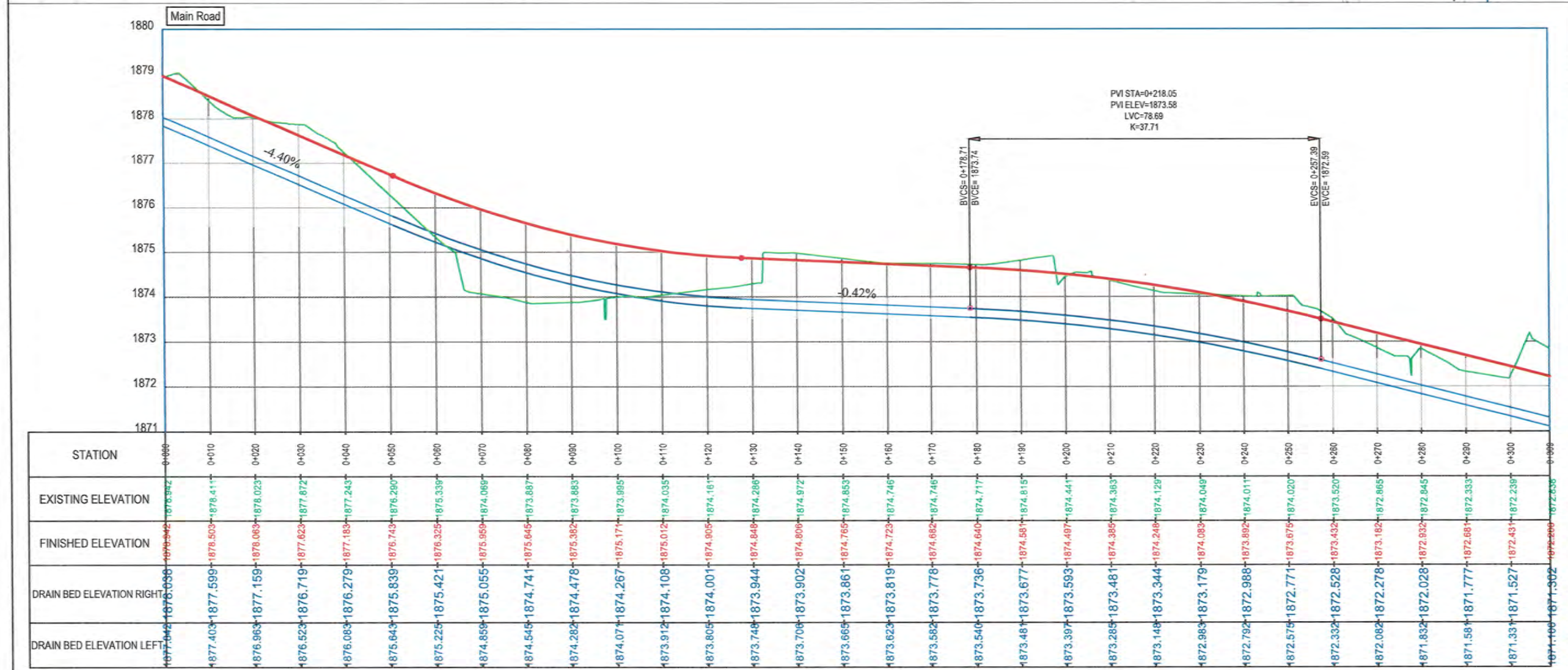
DRAINAGE SECTION





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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

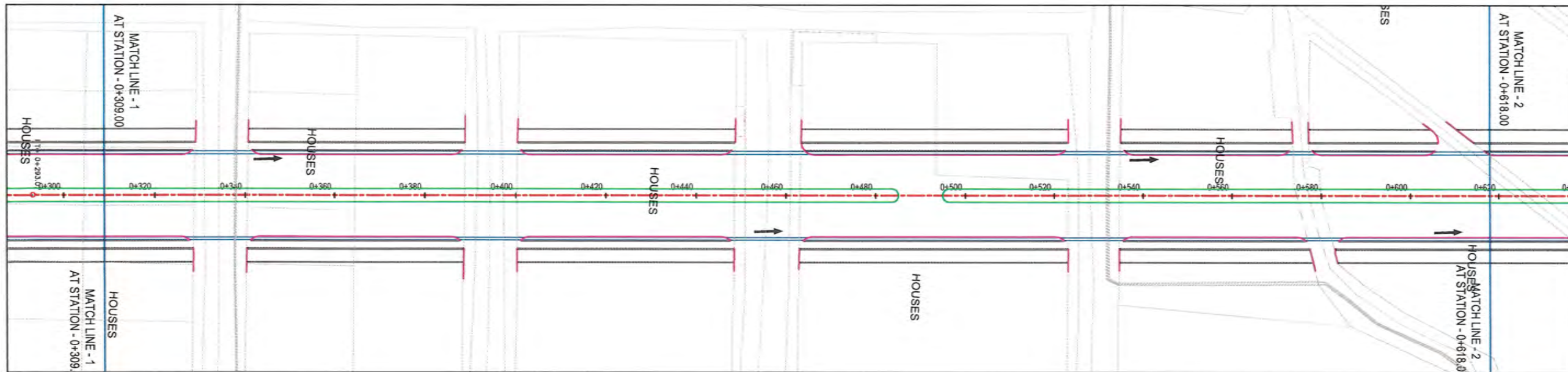
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

Date: 12/2/2024
Scale: 1:200

Status: FINAL DESIGN

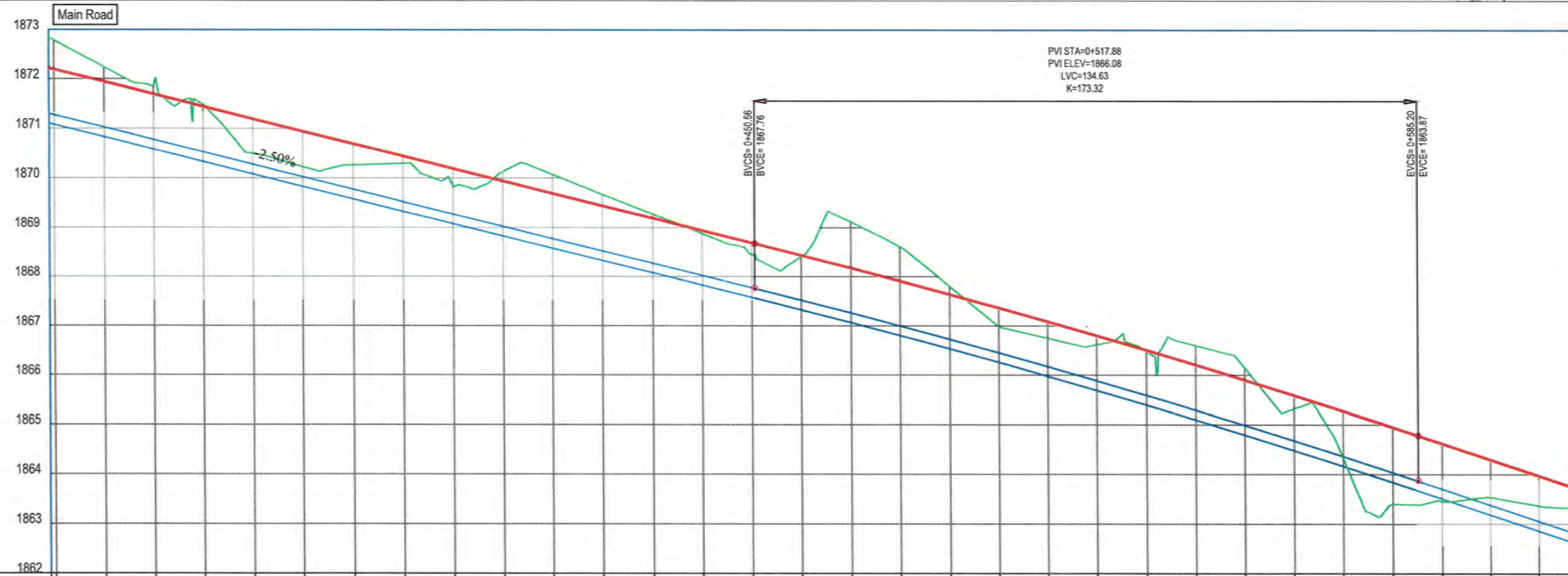
Project Code

Drawing Number: DPF-1
Revision: 00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



STATION	0+300	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
EXISTING ELEVATION	1871.38	1870.83	1870.58	1870.33	1870.08	1869.83	1869.57	1869.32	1869.07	1868.82	1868.57	1868.32	1868.07	1867.82	1867.57	1867.32	1867.07	1866.82	1866.57	1866.32	1866.07	1865.82	1865.57	1865.32	1865.07	1864.82	1864.57	1864.32	1864.07	1863.82	1863.57
FINISHED ELEVATION	1871.38	1871.02	1870.77	1870.52	1870.27	1870.02	1869.77	1869.52	1869.27	1869.02	1868.77	1868.52	1868.27	1868.02	1867.77	1867.52	1867.27	1867.02	1866.77	1866.52	1866.27	1866.02	1865.77	1865.52	1865.27	1865.02	1864.77	1864.52	1864.27	1864.02	1863.77
DRAIN BED ELEVATION RIGHT	1871.38	1871.02	1870.77	1870.52	1870.27	1870.02	1869.77	1869.52	1869.27	1869.02	1868.77	1868.52	1868.27	1868.02	1867.77	1867.52	1867.27	1867.02	1866.77	1866.52	1866.27	1866.02	1865.77	1865.52	1865.27	1865.02	1864.77	1864.52	1864.27	1864.02	1863.77
DRAIN BED ELEVATION LEFT	1871.38	1871.02	1870.77	1870.52	1870.27	1870.02	1869.77	1869.52	1869.27	1869.02	1868.77	1868.52	1868.27	1868.02	1867.77	1867.52	1867.27	1867.02	1866.77	1866.52	1866.27	1866.02	1865.77	1865.52	1865.27	1865.02	1864.77	1864.52	1864.27	1864.02	1863.77

Date	Revision	Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Nakhas to Omid-e-Sabz Road Project

Drawing Title: Drainage plan profile

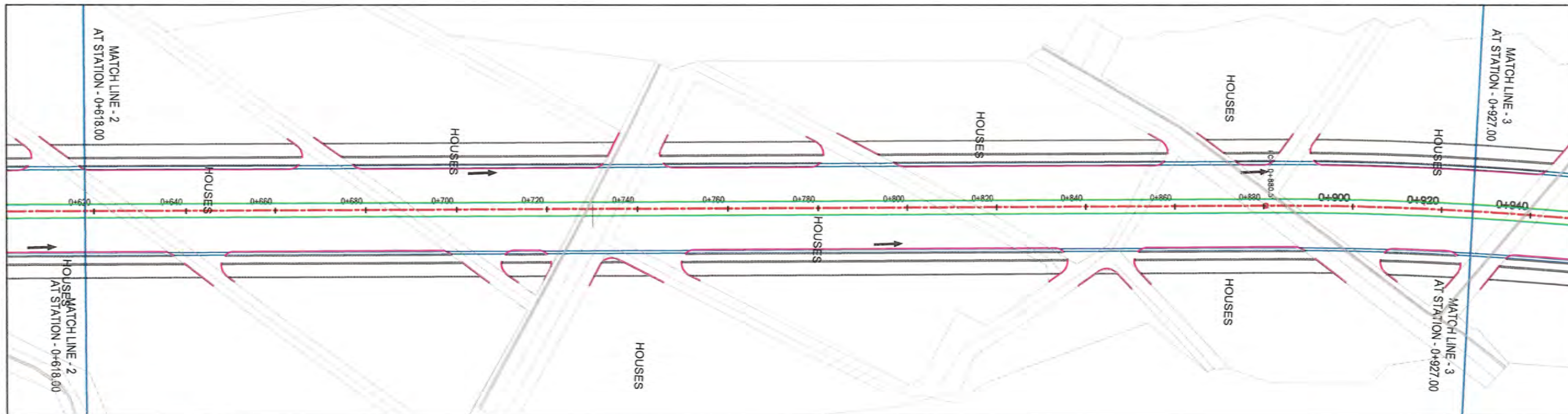
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

Date: 12/2/2024 Scale: 1:200

Status: FINAL DESIGN

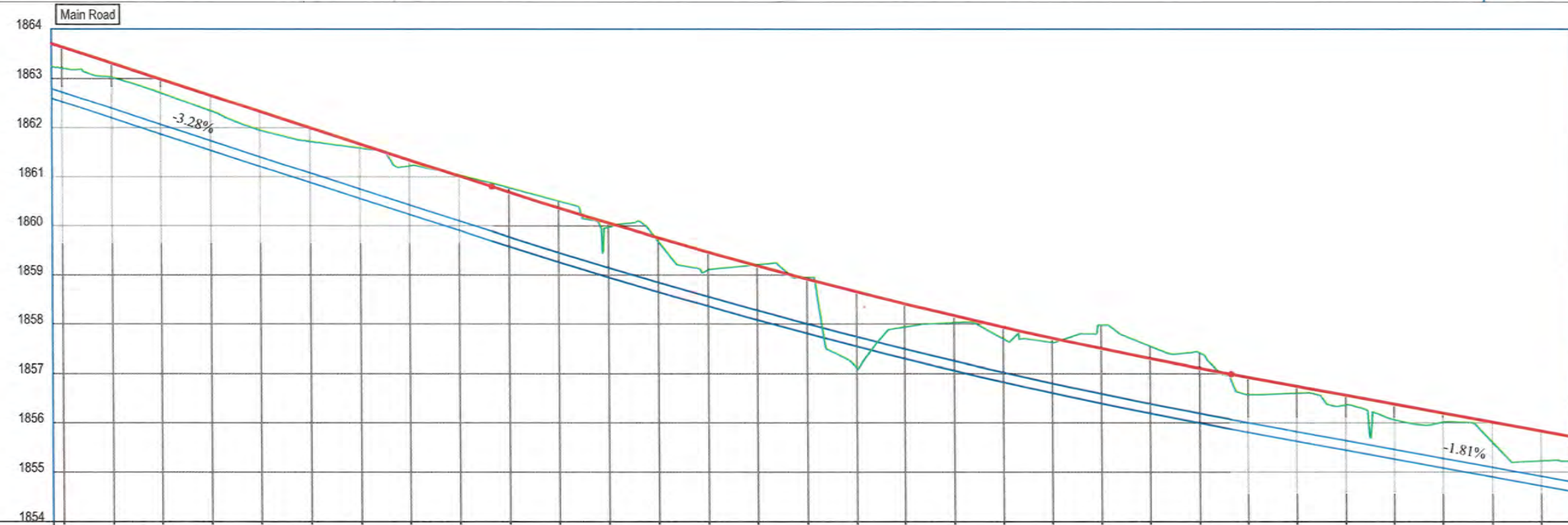
Project Code:

Drawing Number: DPF-2 Revision: 00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



STATION	0+640	0+650	0+660	0+670	0+680	0+690	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	0+850	0+860	0+870	0+880	0+890	0+900	0+910	0+920	
EXISTING ELEVATION	1863.239	1863.205	1863.022	1862.705	1862.340	1861.944	1861.726	1861.593	1861.227	1861.035	1860.782	1860.508	1860.235	1859.963	1859.690	1859.417	1859.144	1858.871	1858.598	1858.325	1858.052	1857.779	1857.506	1857.233	1856.960	1856.687	1856.414	1856.141	1855.868	1855.595
FINISHED ELEVATION	1862.530	1862.726	1862.399	1862.071	1862.319	1861.991	1861.663	1861.335	1861.007	1860.680	1860.352	1860.024	1859.696	1859.368	1859.040	1858.712	1858.384	1858.056	1857.728	1857.400	1857.072	1856.744	1856.416	1856.088	1855.760	1855.432	1855.104	1854.776	1854.448	1854.120
DRAIN BED ELEVATION RIGHT	1862.530	1862.726	1862.399	1862.071	1862.319	1861.991	1861.663	1861.335	1861.007	1860.680	1860.352	1860.024	1859.696	1859.368	1859.040	1858.712	1858.384	1858.056	1857.728	1857.400	1857.072	1856.744	1856.416	1856.088	1855.760	1855.432	1855.104	1854.776	1854.448	1854.120
DRAIN BED ELEVATION LEFT	1862.530	1862.726	1862.399	1862.071	1862.319	1861.991	1861.663	1861.335	1861.007	1860.680	1860.352	1860.024	1859.696	1859.368	1859.040	1858.712	1858.384	1858.056	1857.728	1857.400	1857.072	1856.744	1856.416	1856.088	1855.760	1855.432	1855.104	1854.776	1854.448	1854.120

Date	Revision	Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

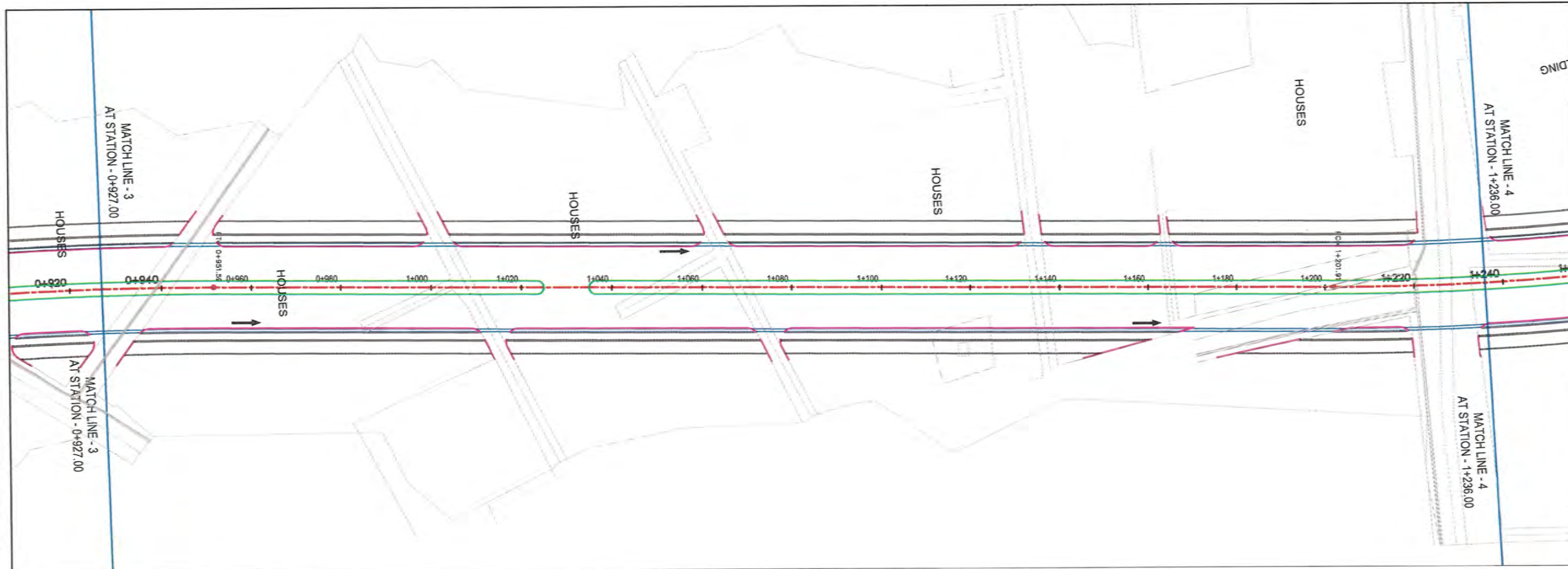
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

Date: 12/2/2024
Scale: 1:200

Status: FINAL DESIGN

Project Code:

Drawing Number: DPF-3
Revision: 00



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

Designed by: M. Jafar
Signature: [Signature]

Drawn by: M. Jafar
Signature: [Signature]

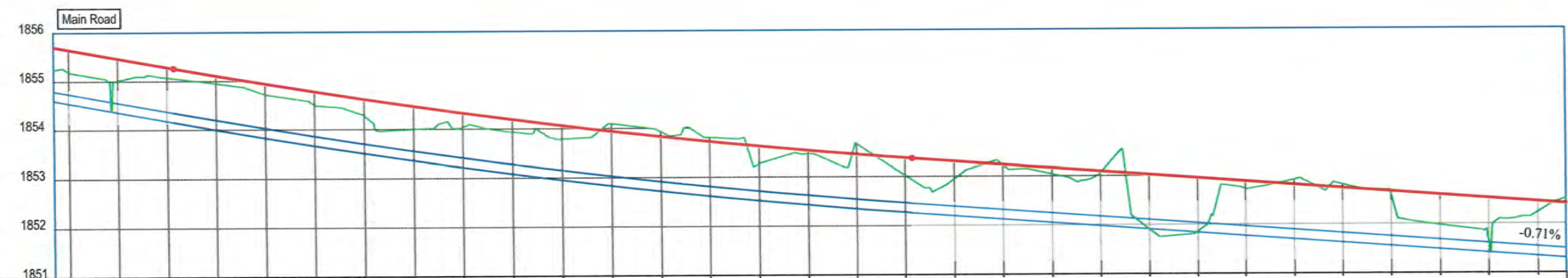
Checked by: Habibullah Shalizi
Signature: [Signature]

Date: 12/2/2024
Scale: 1:200

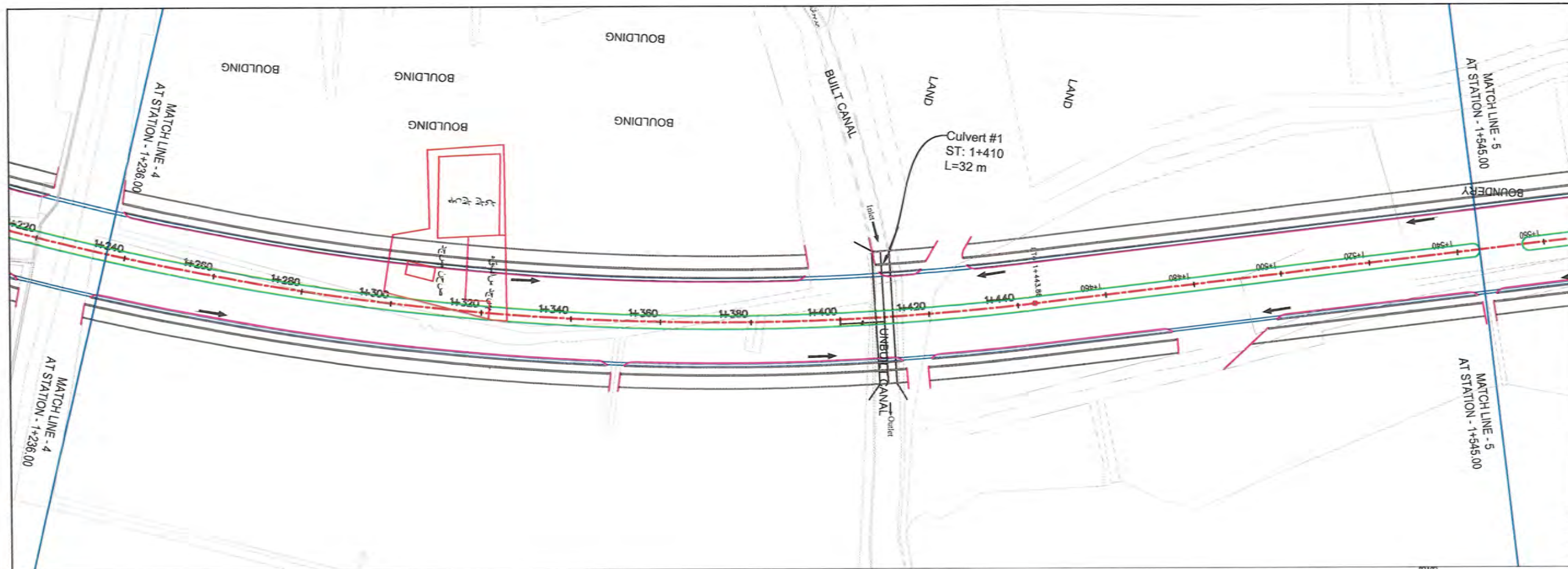
Status: FINAL DESIGN

Project Code

Drawing Number: DPF-4
Revision: 00



STATION	0+920	0+930	0+940	0+950	0+960	0+970	0+980	0+990	1+000	1+010	1+020	1+030	1+040	1+050	1+060	1+070	1+080	1+090	1+100	1+110	1+120	1+130	1+140	1+150	1+160	1+170	1+180	1+190	1+200	1+210	1+220	1+230
EXISTING ELEVATION	1854.594	1854.736	1854.555	1854.373	1854.194	1854.023	1853.859	1853.693	1853.553	1853.411	1853.276	1853.149	1853.029	1852.916	1852.811	1852.713	1852.622	1852.539	1852.463	1852.391	1852.320	1852.249	1852.178	1852.106	1852.035	1851.964	1851.893	1851.821	1851.750	1851.679	1851.608	1851.536
FINISHED ELEVATION	1854.594	1854.736	1854.555	1854.373	1854.194	1854.023	1853.859	1853.693	1853.553	1853.411	1853.276	1853.149	1853.029	1852.916	1852.811	1852.713	1852.622	1852.539	1852.463	1852.391	1852.320	1852.249	1852.178	1852.106	1852.035	1851.964	1851.893	1851.821	1851.750	1851.679	1851.608	1851.536
DRAIN BED ELEVATION RIGHT	1854.594	1854.736	1854.555	1854.373	1854.194	1854.023	1853.859	1853.693	1853.553	1853.411	1853.276	1853.149	1853.029	1852.916	1852.811	1852.713	1852.622	1852.539	1852.463	1852.391	1852.320	1852.249	1852.178	1852.106	1852.035	1851.964	1851.893	1851.821	1851.750	1851.679	1851.608	1851.536
DRAIN BED ELEVATION LEFT	1854.594	1854.736	1854.555	1854.373	1854.194	1854.023	1853.859	1853.693	1853.553	1853.411	1853.276	1853.149	1853.029	1852.916	1852.811	1852.713	1852.622	1852.539	1852.463	1852.391	1852.320	1852.249	1852.178	1852.106	1852.035	1851.964	1851.893	1851.821	1851.750	1851.679	1851.608	1851.536



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision	Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

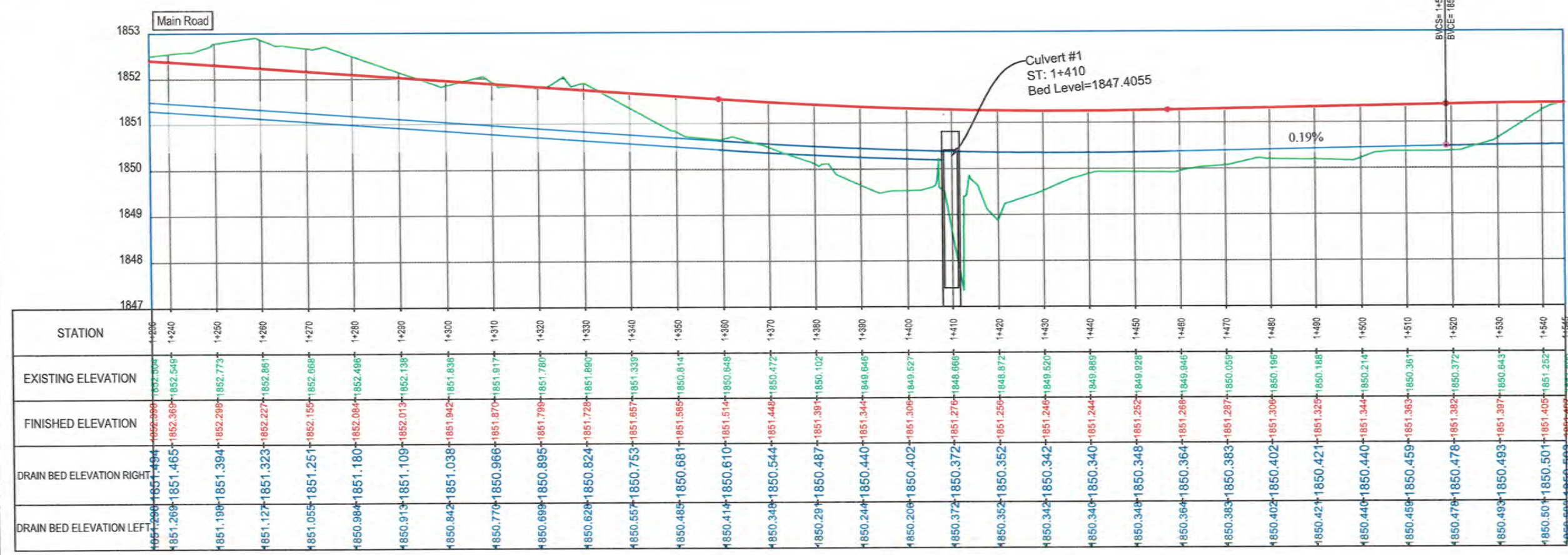
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

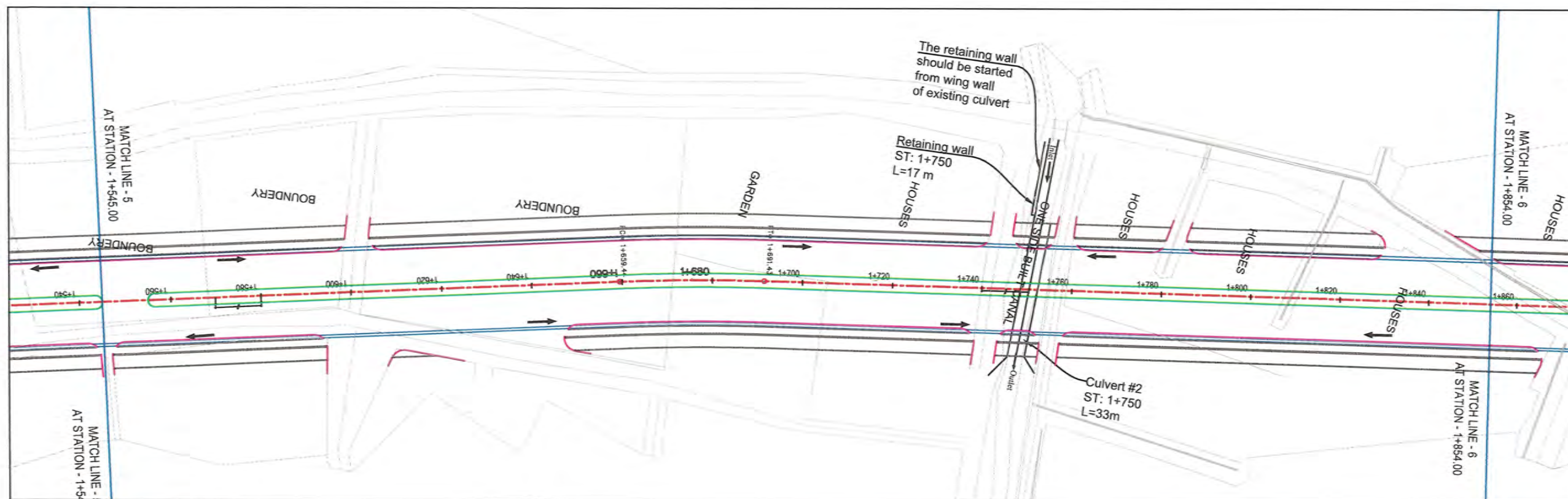
Date: 12/2/2024
Scale: 1:200

Status: FINAL DESIGN

Project Code:

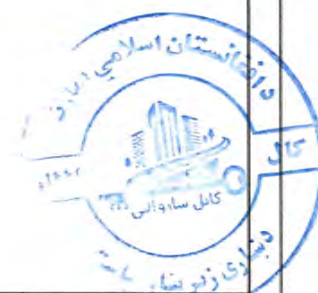
Drawing Number: DPF-5
Revision: 00





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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Nakhas to Omid-e-Sabz Road Project

Drawing Title: Drainage plan profile

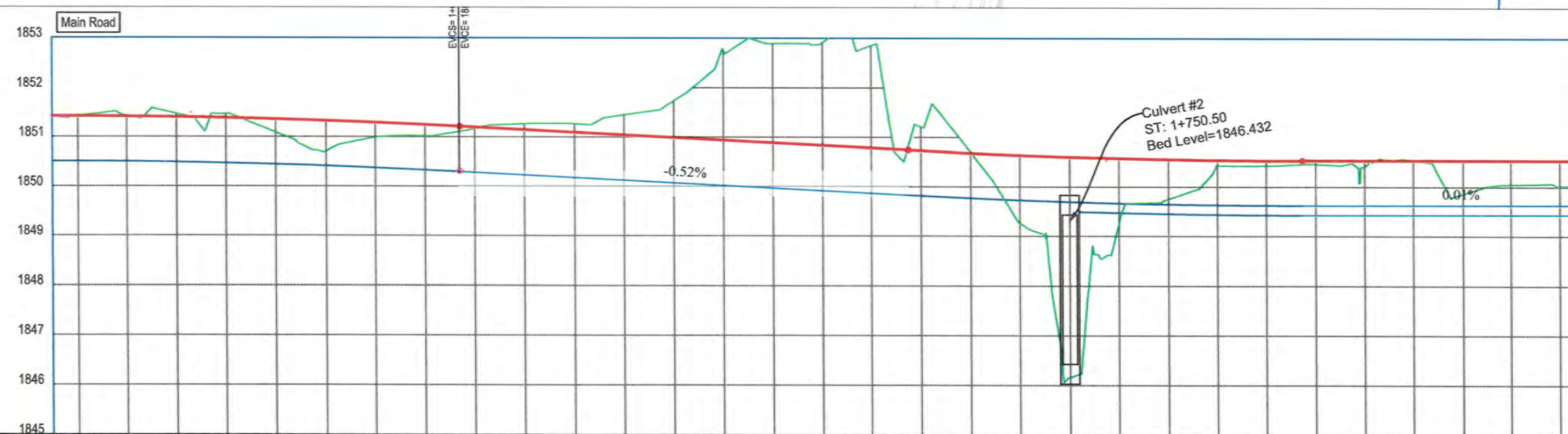
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

Date: 12/2/2024 Scale: 1:200

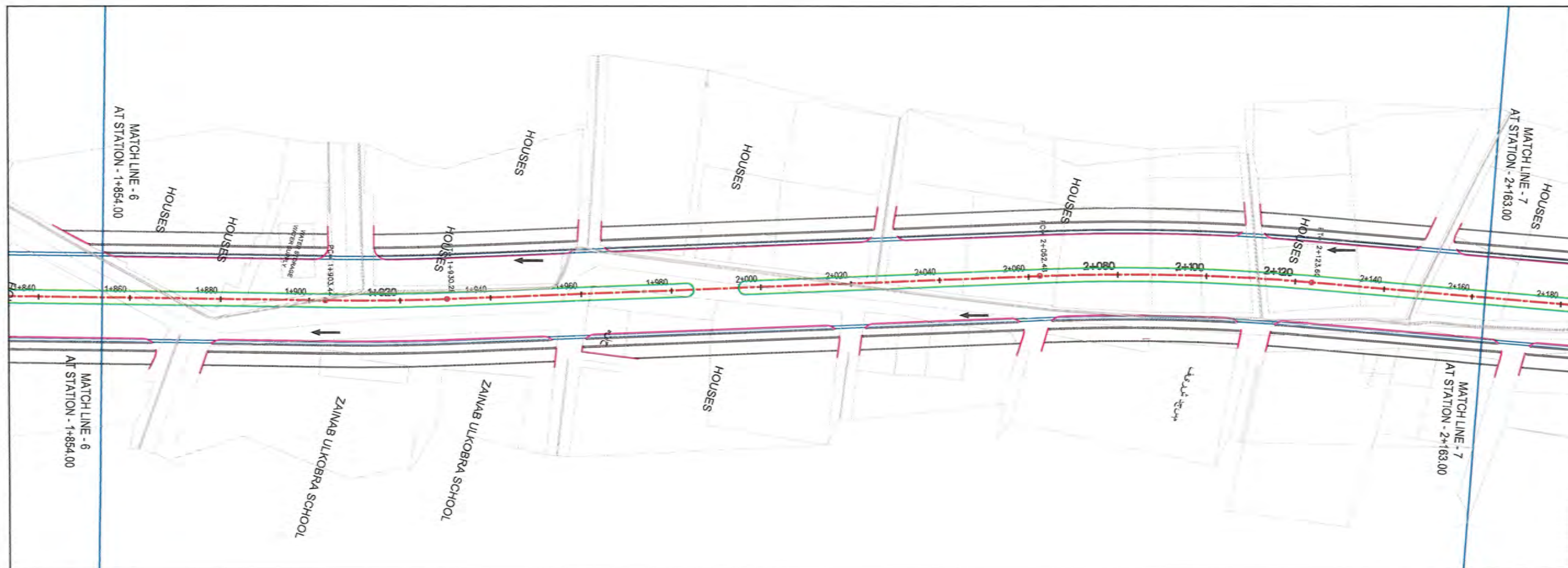
Status: FINAL DESIGN

Project Code

Drawing Number: DPF-6 Revision: 00



STATION	1+545	1+550	1+560	1+570	1+580	1+590	1+600	1+610	1+620	1+630	1+640	1+650	1+660	1+670	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	1+830	1+840	1+850	1+854
EXISTING ELEVATION	1850.500	1851.432	1851.419	1851.463	1851.462	1851.090	1850.686	1850.986	1851.014	1851.164	1851.263	1851.263	1851.446	1851.726	1852.772	1852.890	1852.906	1852.847	1851.213	1850.696	1849.556	1846.159	1849.252	1849.747	1850.426	1850.430	1850.463	1850.416	1850.535	1849.856	1850.049	1850.014	1849.026
FINISHED ELEVATION	1850.503	1851.407	1851.402	1851.391	1851.373	1851.348	1851.317	1851.279	1851.235	1851.184	1851.132	1851.080	1851.028	1850.975	1850.923	1850.871	1850.819	1850.767	1850.715	1850.668	1850.627	1850.583	1850.569	1850.546	1850.532	1850.524	1850.524	1850.524	1850.524	1850.524	1850.524	1850.524	1850.524
DRAIN BED ELEVATION RIGHT	1850.503	1850.503	1850.498	1850.487	1850.469	1850.444	1850.413	1850.375	1850.331	1850.280	1850.228	1850.176	1850.124	1850.071	1850.019	1849.967	1849.915	1849.863	1849.811	1849.764	1849.723	1849.689	1849.662	1849.642	1849.628	1849.620	1849.620	1849.620	1849.620	1849.622	1849.623	1849.624	1849.625
DRAIN BED ELEVATION LEFT	1850.503	1850.503	1850.498	1850.487	1850.469	1850.444	1850.413	1850.375	1850.331	1850.280	1850.228	1850.176	1850.124	1850.071	1850.019	1849.967	1849.915	1849.863	1849.811	1849.764	1849.723	1849.689	1849.662	1849.642	1849.628	1849.620	1849.620	1849.620	1849.620	1849.622	1849.623	1849.624	1849.625



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABL MUNICIPALITY

Designed by: KABL MUNICIPALITY DESIGN TEAM

Project Name: Nakhas to Omid-e-Sabz Road Project

Drawing Title: Drainage plan profile

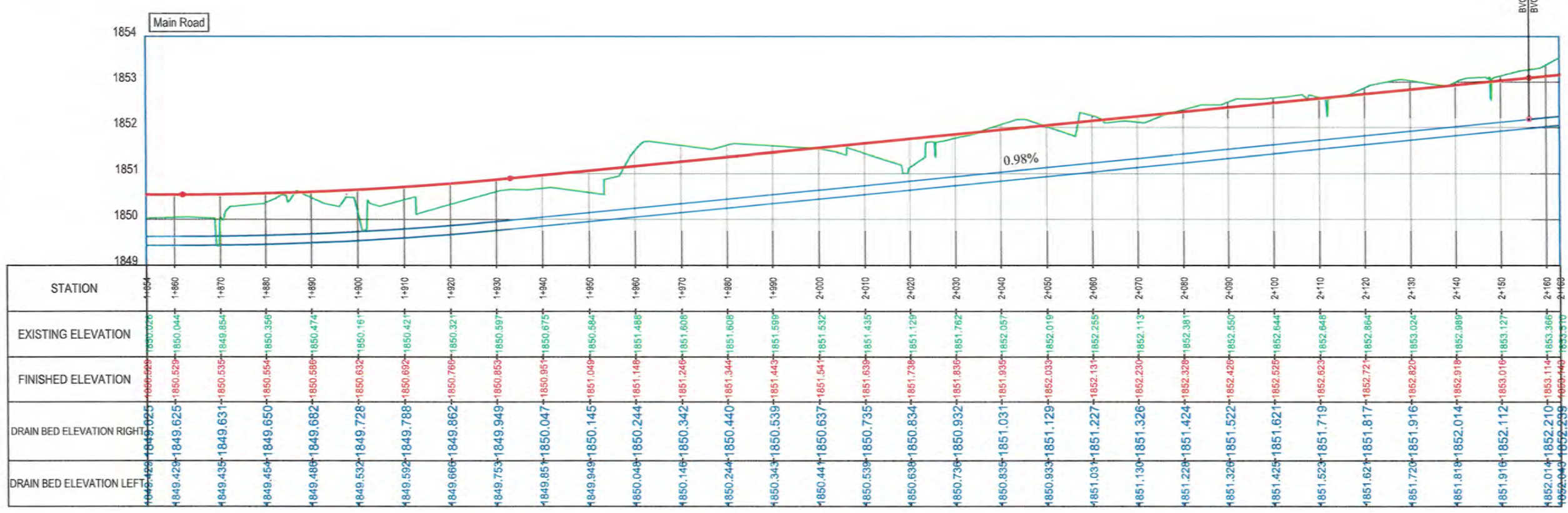
Designed by: M. Jafar
 Drawn by: M. Jafar
 Checked by: Habibullah Shafiqi

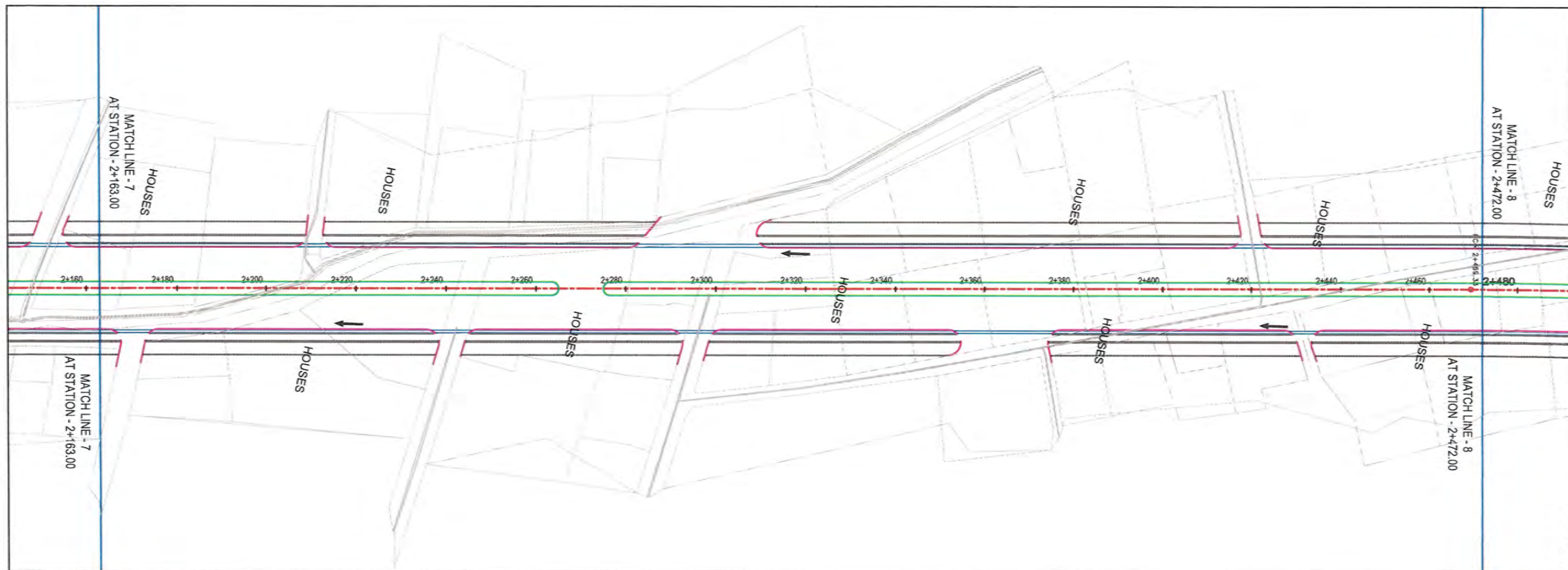
Date: 12/2/2024
 Scale: 1:200

Status: FINAL DESIGN

Project Code: DPF-7

Drawing Number: DPF-7
 Revision: 00





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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

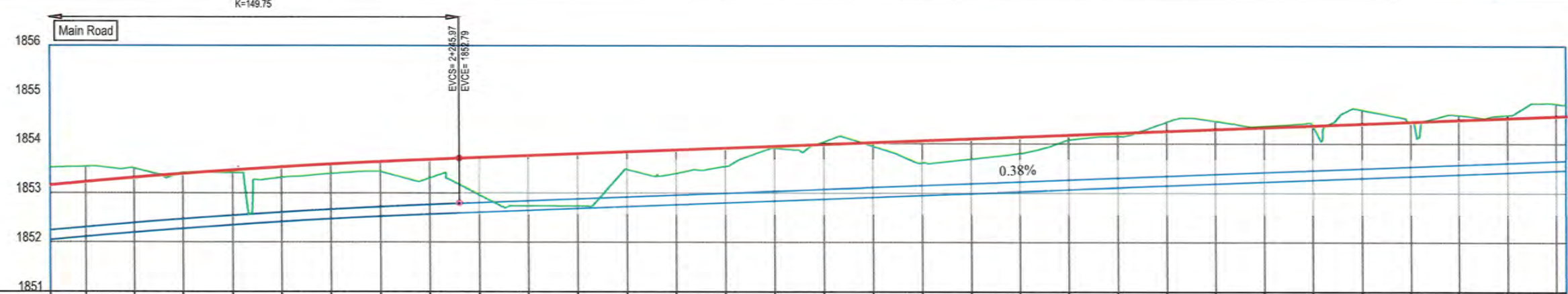
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Hashibullah Shalizi

Date: 12/2/2024
Scale: 1:200

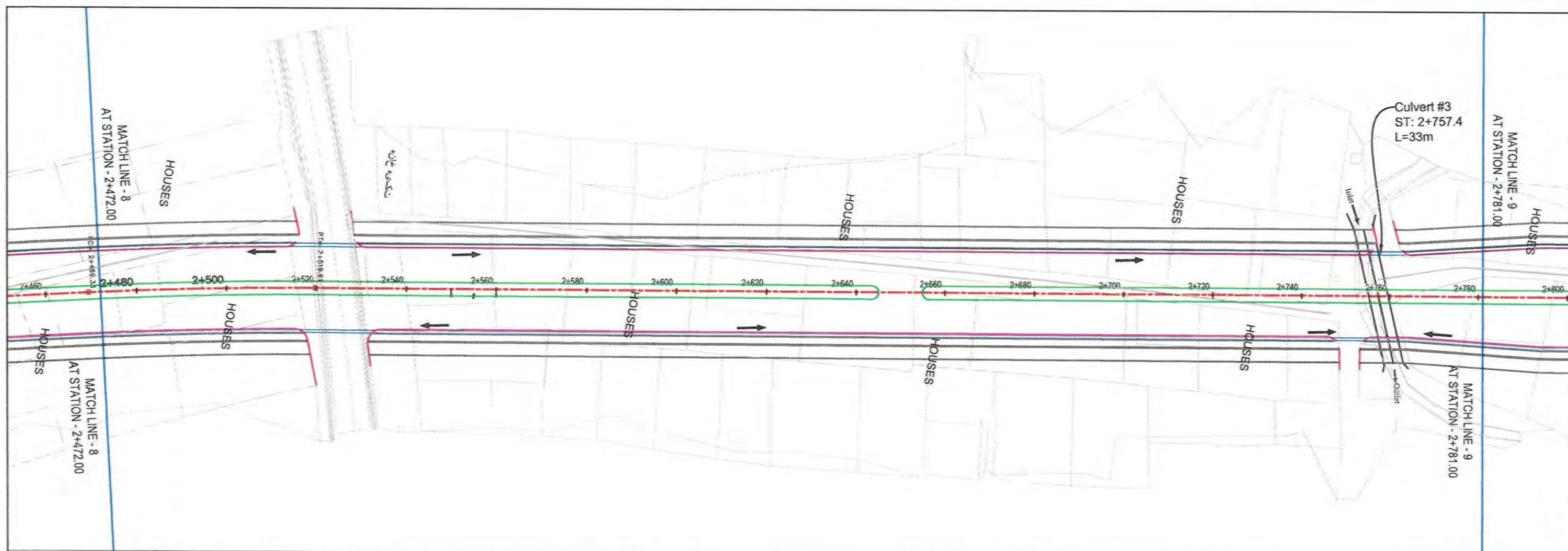
Status: FINAL DESIGN

Project Code:

Drawing Number: DPF-8
Revision: 00



STATION	2+160	2+170	2+180	2+190	2+200	2+210	2+220	2+230	2+240	2+250	2+260	2+270	2+280	2+290	2+300	2+310	2+320	2+330	2+340	2+350	2+360	2+370	2+380	2+390	2+400	2+410	2+420	2+430	2+440	2+450	2+460	2+470	2+480
EXISTING ELEVATION	1853.510	1853.531	1853.492	1853.405	1853.401	1853.305	1853.384	1853.428	1853.294	1852.962	1852.740	1852.735	1853.471	1853.390	1853.534	1853.900	1854.032	1853.946	1853.608	1853.689	1853.798	1854.077	1854.152	1854.443	1854.461	1854.358	1854.365	1854.693	1854.440	1854.586	1854.585	1854.520	1854.780
FINISHED ELEVATION	1852.749	1852.303	1853.292	1853.372	1853.444	1852.606	1853.565	1853.621	1852.763	1853.707	1852.841	1852.880	1853.822	1853.861	1852.995	1853.937	1853.976	1854.014	1854.053	1854.091	1854.130	1854.208	1854.245	1854.283	1854.322	1854.360	1854.399	1854.437	1854.475	1854.514	1854.552	1854.590	1854.628
DRAIN BED ELEVATION RIGHT	1852.049	1852.239	1852.388	1852.468	1852.540	1852.606	1852.665	1852.717	1852.763	1852.803	1852.841	1852.880	1852.918	1852.957	1852.995	1853.033	1853.072	1853.110	1853.149	1853.187	1853.226	1853.264	1853.302	1853.341	1853.379	1853.418	1853.456	1853.495	1853.533	1853.571	1853.610	1853.648	1853.686
DRAIN BED ELEVATION LEFT	1852.049	1852.107	1852.192	1852.272	1852.344	1852.410	1852.469	1852.521	1852.567	1852.607	1852.645	1852.684	1852.722	1852.761	1852.799	1852.837	1852.876	1852.914	1852.953	1852.991	1853.030	1853.069	1853.108	1853.145	1853.183	1853.222	1853.260	1853.299	1853.337	1853.375	1853.414	1853.452	1853.490



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

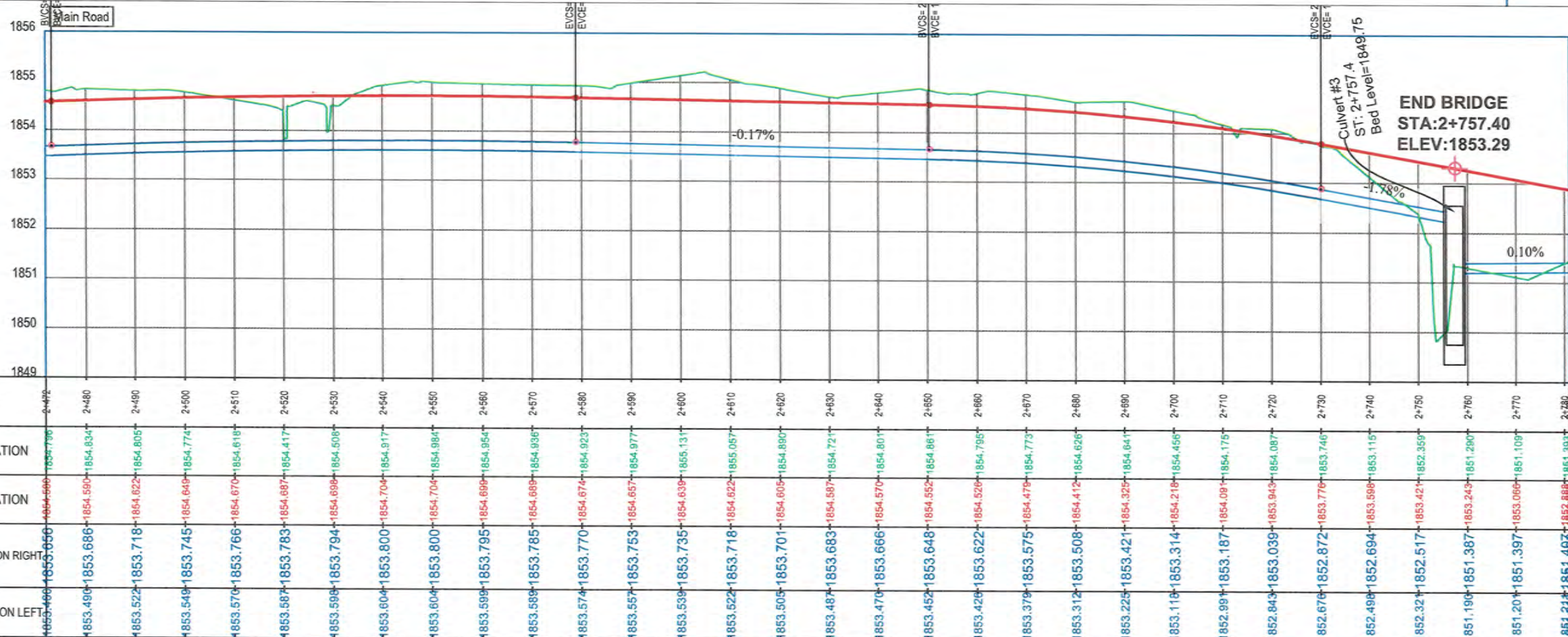
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shalizi

Date: 12/2/2024
Scale: 1:200

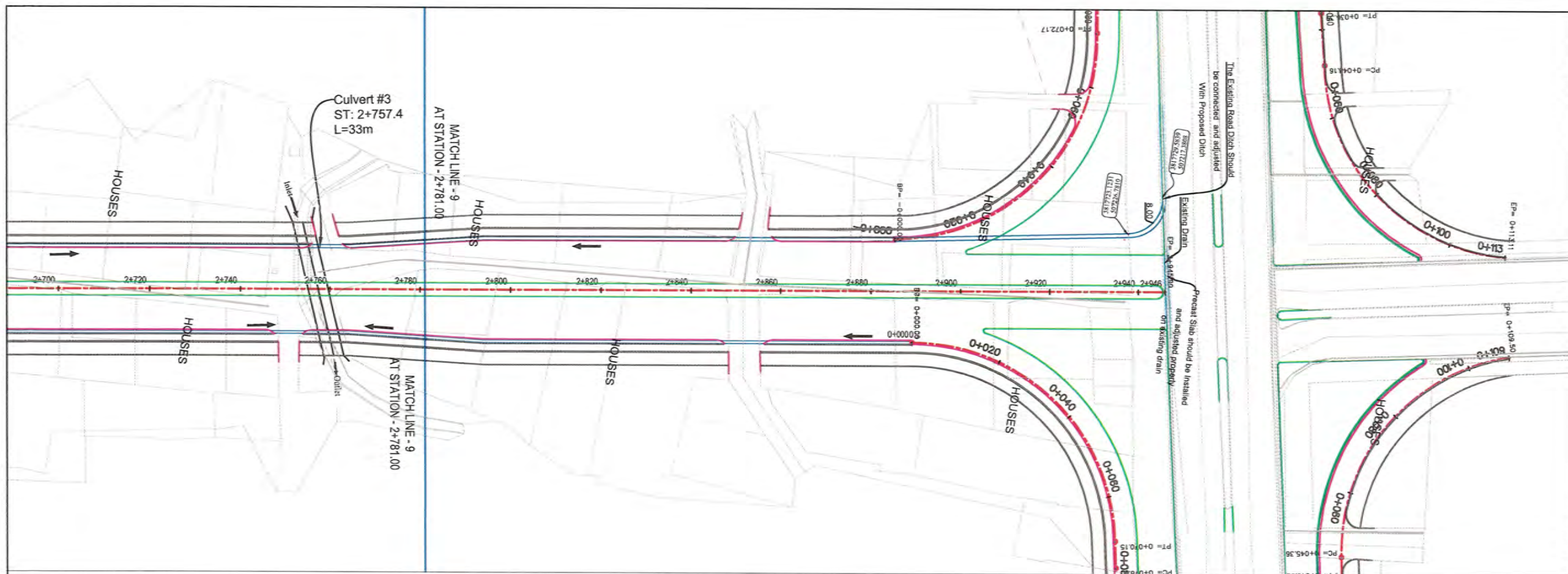
Status: FINAL DESIGN

Project Code

Drawing Number: DPF-9
Revision: 00



STATION	EXISTING ELEVATION	FINISHED ELEVATION	DRAIN BED ELEVATION RIGHT	DRAIN BED ELEVATION LEFT
2+472	1853.790	1853.660	1853.660	1853.660
2+480	1853.490	1853.686	1853.686	1853.686
2+490	1853.522	1853.718	1853.718	1853.718
2+500	1853.549	1853.745	1853.745	1853.745
2+510	1853.570	1853.766	1853.766	1853.766
2+520	1853.587	1853.783	1853.783	1853.783
2+530	1853.598	1853.794	1853.794	1853.794
2+540	1853.604	1853.800	1853.800	1853.800
2+550	1853.604	1853.800	1853.800	1853.800
2+560	1853.599	1853.795	1853.795	1853.795
2+570	1853.589	1853.785	1853.785	1853.785
2+580	1853.574	1853.770	1853.770	1853.770
2+590	1853.557	1853.753	1853.753	1853.753
2+600	1853.539	1853.735	1853.735	1853.735
2+610	1853.522	1853.718	1853.718	1853.718
2+620	1853.503	1853.701	1853.701	1853.701
2+630	1853.487	1853.683	1853.683	1853.683
2+640	1853.470	1853.666	1853.666	1853.666
2+650	1853.452	1853.648	1853.648	1853.648
2+660	1853.428	1853.622	1853.622	1853.622
2+670	1853.379	1853.575	1853.575	1853.575
2+680	1853.312	1853.508	1853.508	1853.508
2+690	1853.225	1853.421	1853.421	1853.421
2+700	1853.118	1853.314	1853.314	1853.314
2+710	1852.991	1853.187	1853.187	1853.187
2+720	1852.843	1853.039	1853.039	1853.039
2+730	1852.678	1852.872	1852.872	1852.872
2+740	1852.498	1852.694	1852.694	1852.694
2+750	1852.321	1852.517	1852.517	1852.517
2+760	1851.190	1851.387	1851.387	1851.387
2+770	1851.201	1851.397	1851.397	1851.397
2+780	1851.212	1851.408	1851.408	1851.408



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

- LEGENDS
- CENTER-LINE
 - EXISTING SURFACE
 - EXISTING SIDE DITCH
 - PROPOSED DITCH
 - CULVERT
 - FLOW ARROW



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Drainage plan profile

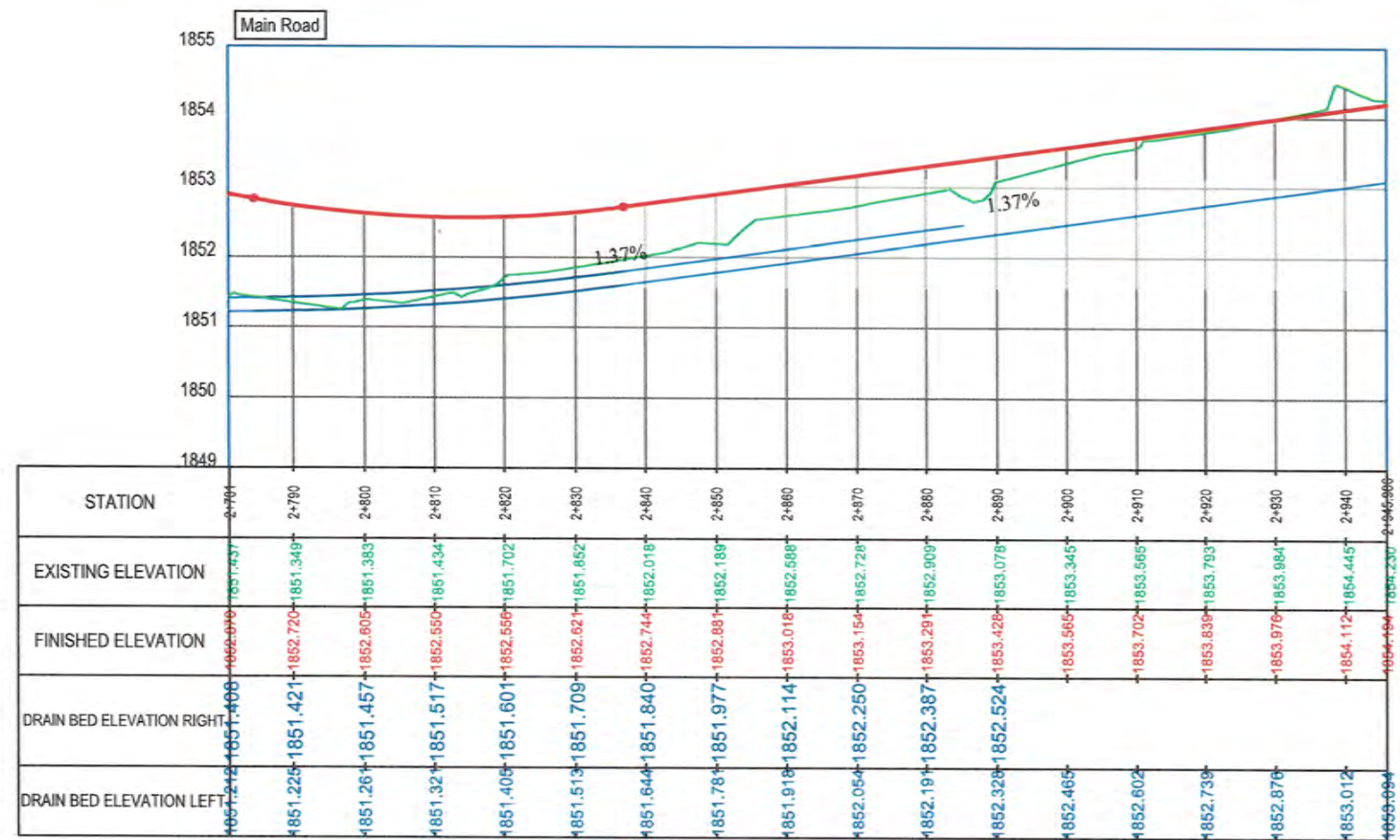
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Habibullah Shafiz

Date: 12/2/2024
Scale: 1:200

Status: FINAL DESIGN

Project Code

Drawing Number: DPF-10
Revision: 00

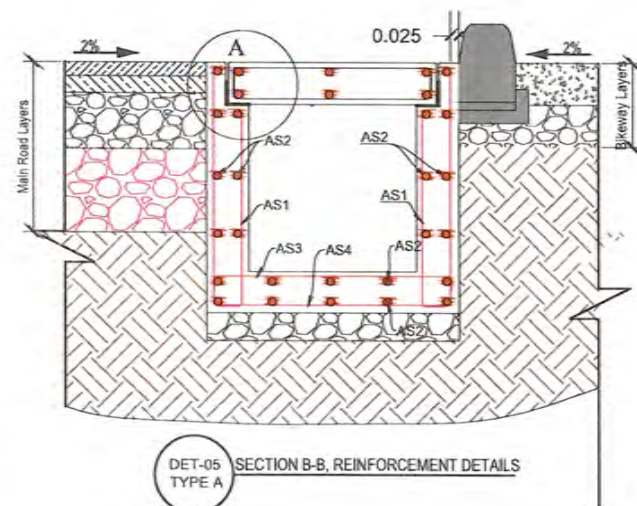
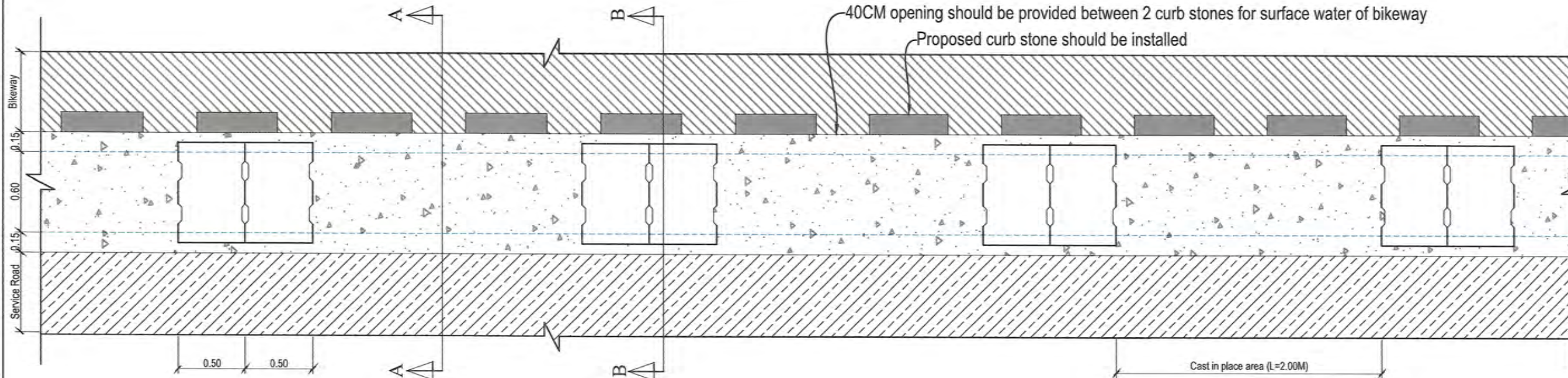


40CM opening should be provided between 2 curb stones for surface water of bikeway

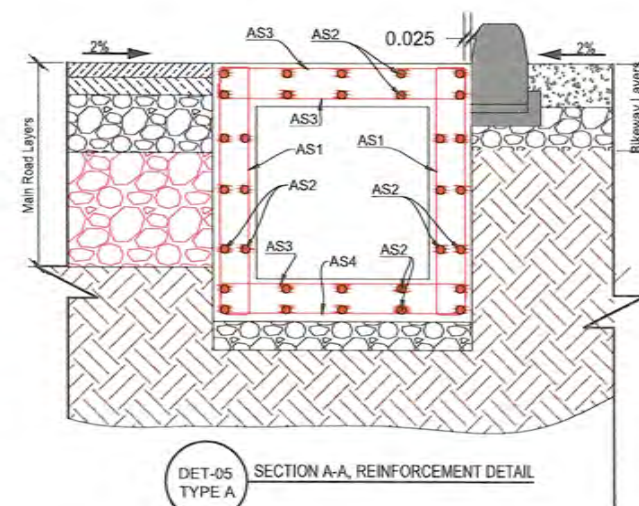
Proposed curb stone should be installed

Cast in place area (L=2.00M)

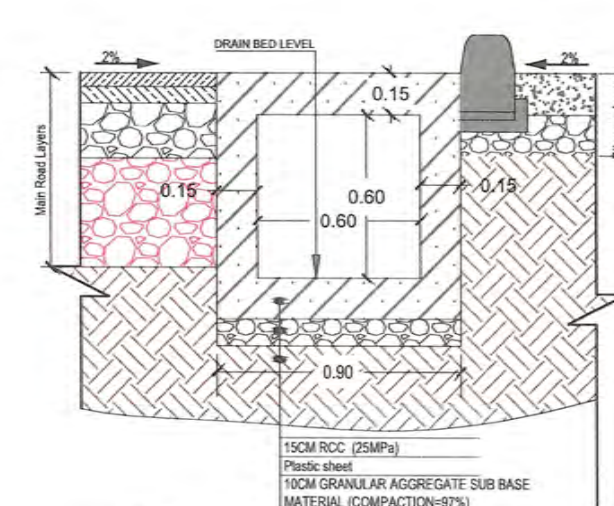
NOTE:
An extra bar shall be provided if the spacing available for reinforcement is more than n times the spacing between bars (where n is an integer).



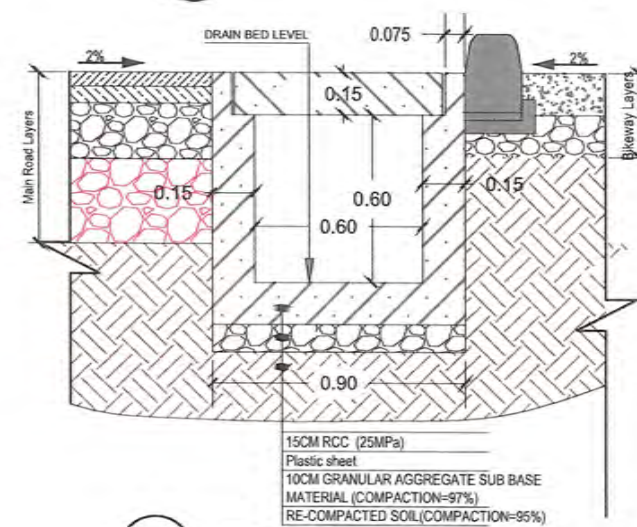
DET-05 SECTION B-B, REINFORCEMENT DETAILS
TYPE A



DET-05
TYPE A



DET-05
TYPE A

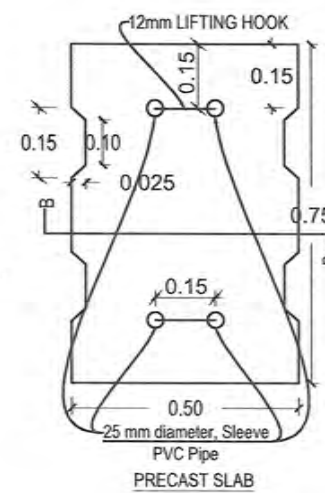


DET-05
TYPE A

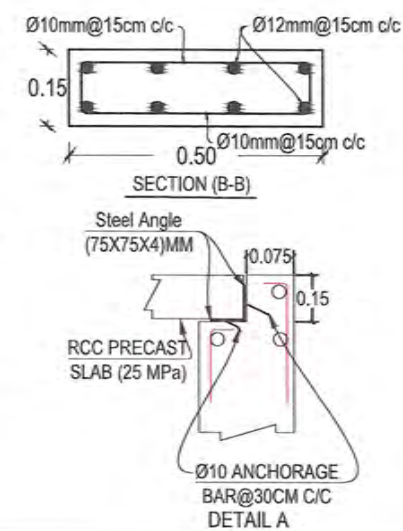


Lifting hook shall be fixed with strong steel brace fastener

Lifting hook detail



PRECAST SLAB







SECTION (B-B)

Steel Angle
(75X75X4)MM

RCC PRECAST
SLAB (25 MPa)

Ø10 ANCHORAGE
BAR@30CM C/C
DETAIL A

TYPE A SIDE DRAIN (0.6X0.60)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remarks
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

**TYPE A RIGHT SIDE DRAIN PLAN,
SECTIONS & DETAILS**

Drawn By: M. Isfar	Signature:
--------------------	--

Designed By: M. Jafar	Signature:
--------------------------	--

Checked: By	
Hasibullah Shalizi	

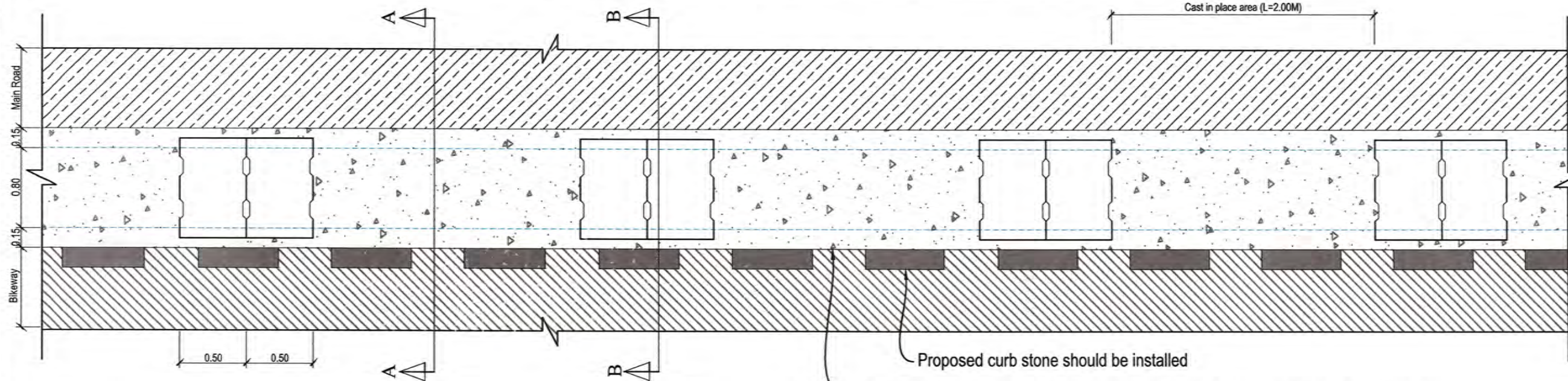
Date: 11/06/2024	Scale:
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Status:	FINAL DESIGN
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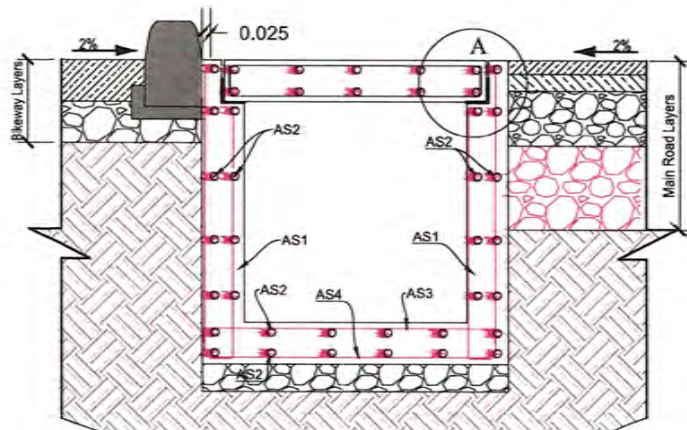
Project Code

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

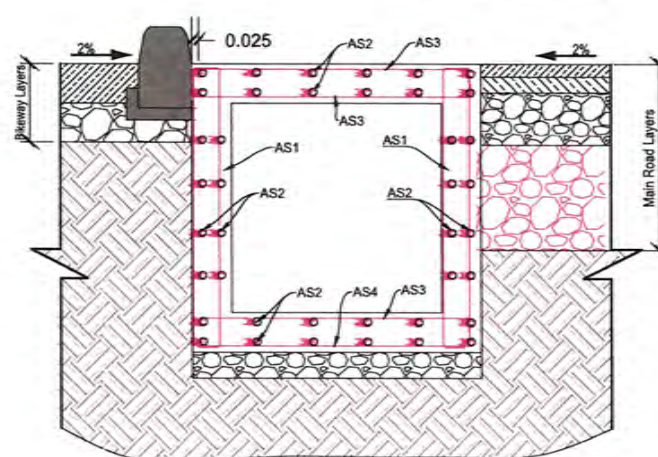
LEFT SIDE DRAIN (STATION 0+000 TO 1+410 , 1+750 TO 2+758 , 2+835 TO 2+946) TYPE B



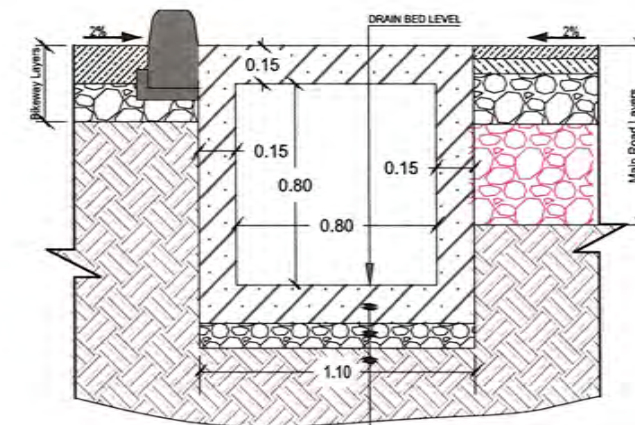
Proposed curb stone should be installed
40CM opening should be provided between 2 curb stones for surface water of bikeway



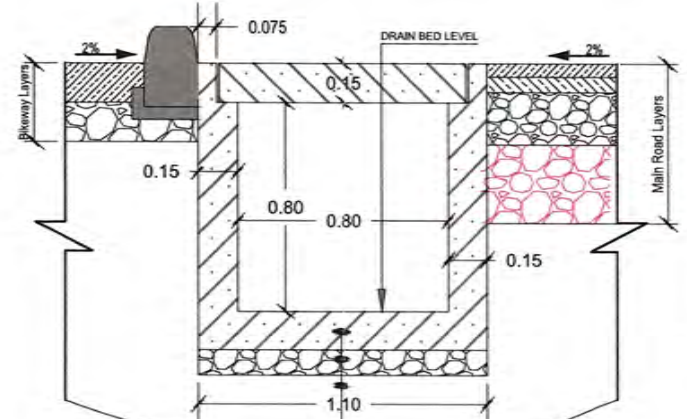
DET-05 TYPE B
SECTION B-B, REINFORCEMENT DETAILS



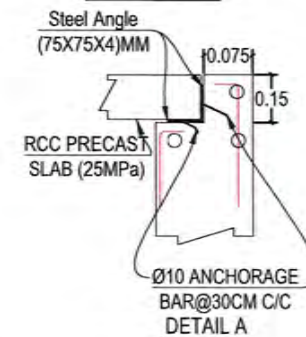
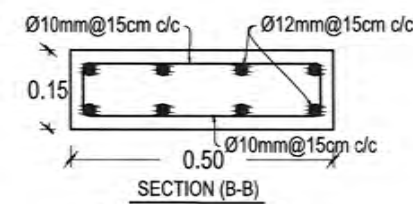
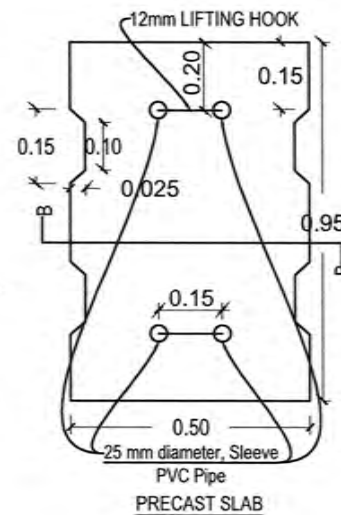
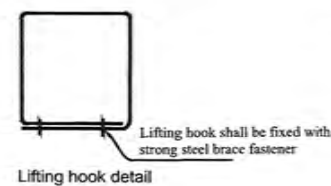
DET-05 TYPE B
SECTION A-A, REINFORCEMENT DETAIL



DET-05 TYPE B
SECTION A-A, DIMENSION AND MATERIAL DETAILS



DET-05 TYPE B
SECTION B-B, DIMENSION AND MATERIAL



TYPE B SIDE DRAIN (0.8X0.80M) REINFORCEMENT SCHEDULE

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

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

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

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

Drawn By: M. Jafar
Signature:

Designed By: M. Jafar
Signature:

Checked By: Hasibullah Shalizi
Signature:

Date: 11/09/2024
Scale:

Status: FINAL DESIGN

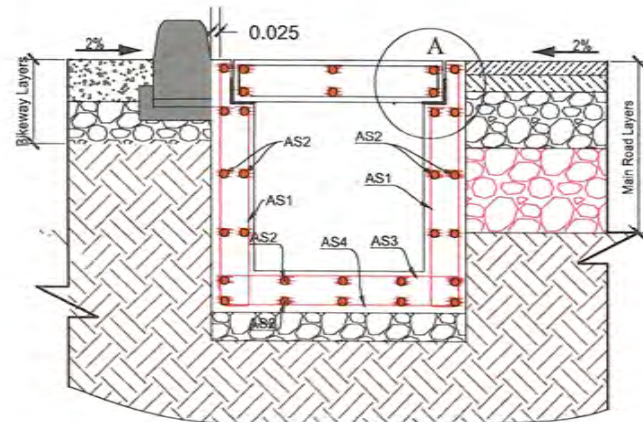
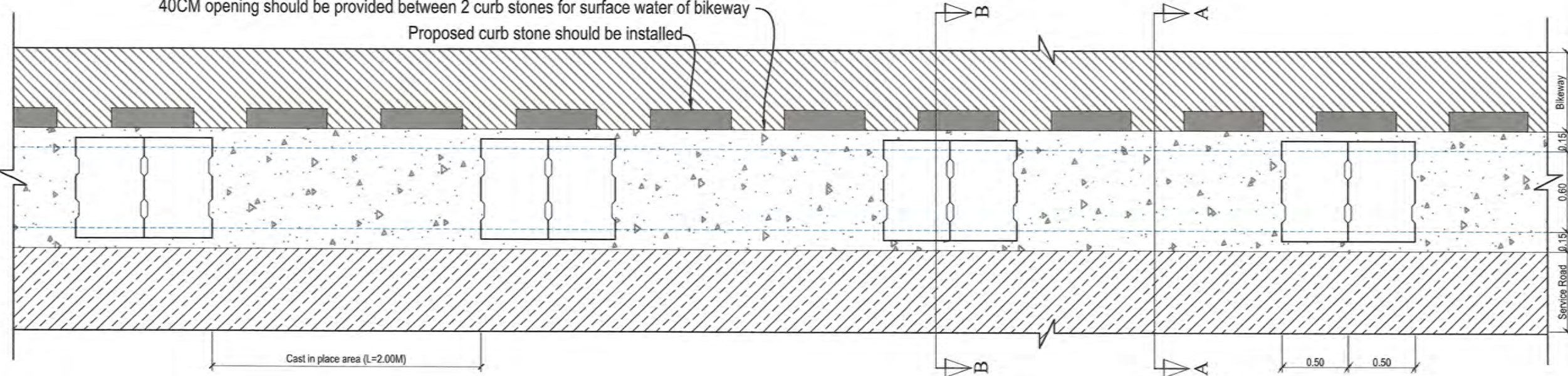
Project Code

SHEET
SDPSD-04 OF 05

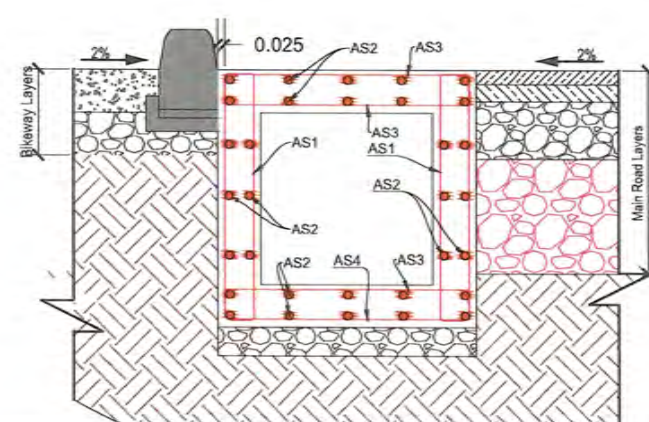
REVISION
00

LEFT SIDE DRAIN (STATION 1+410 TO 1+750) TYPE C

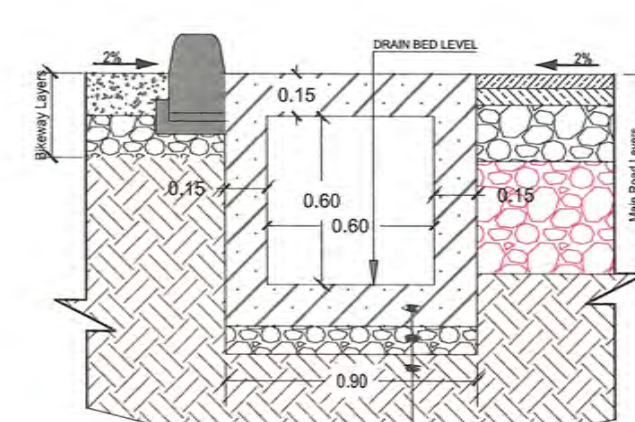
40CM opening should be provided between 2 curb stones for surface water of bikeway
Proposed curb stone should be installed



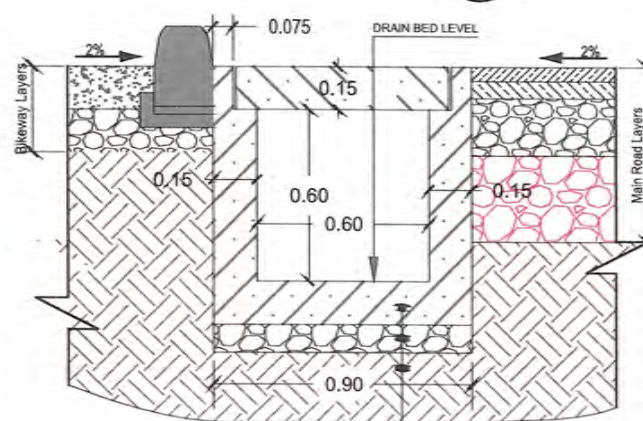
SECTION B-B, REINFORCEMENT DETAILS DET-05 TYPE C



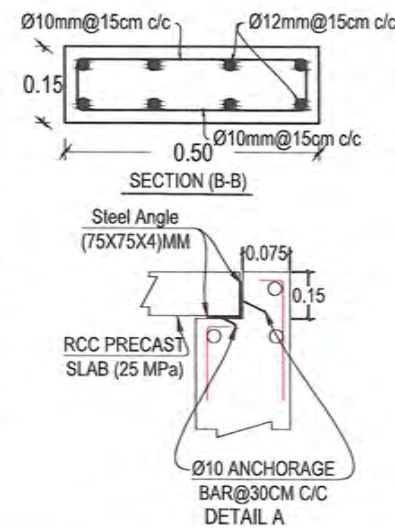
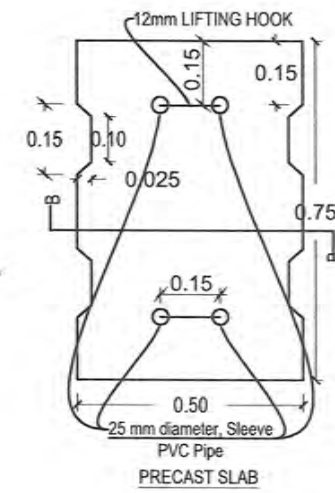
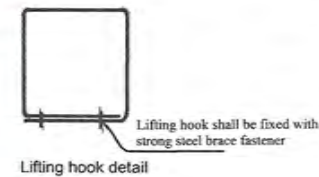
SECTION A-A, REINFORCEMENT DETAIL DET-05 TYPE C



SECTION A-A, DIMENSION AND MATERIAL DETAILS DET-05 TYPE C



SECTION B-B, DIMENSION AND MATERIAL DET-05 TYPE C



TYPE C SIDE DRAIN (0.6X0.60)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	

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

NOTE:
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:



Project Name:
Nakhas to Omid-e-Sabz Road Project

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

Drawn By: M. Jafar
Designed By: M. Jafar
Checked By: Hasibullah Shalizi

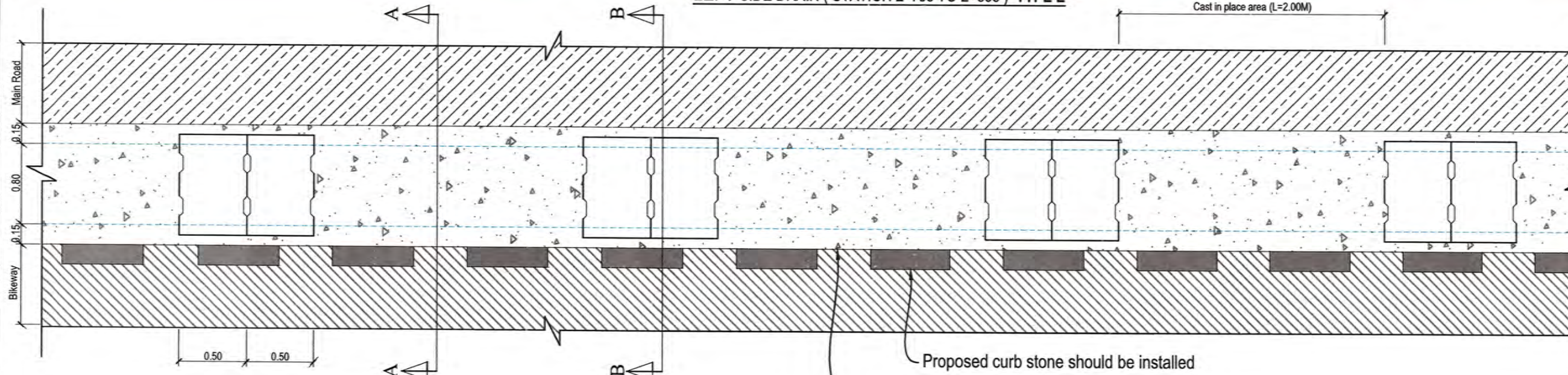
Date: 11/06/2024

Status: FINAL DESIGN

Project Code

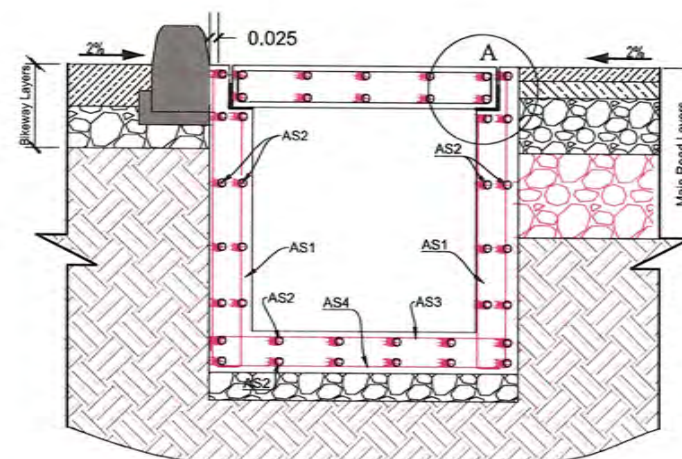
SHEET NO. RSD-DET-TYPE B
PAGE NO. 01

LEFT SIDE DRAIN (STATION 2+758 TO 2+835) TYPE E

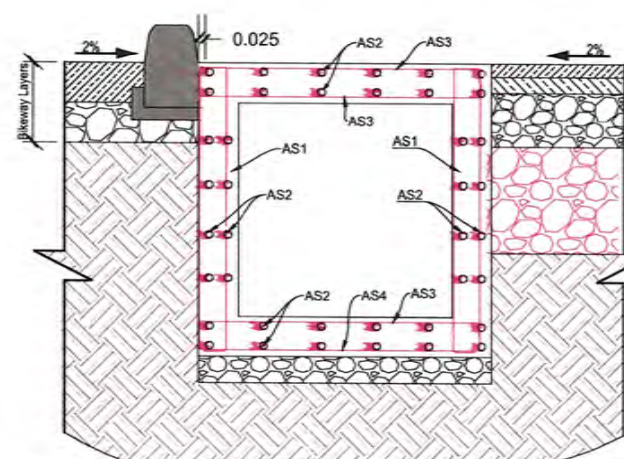


Proposed curb stone should be installed

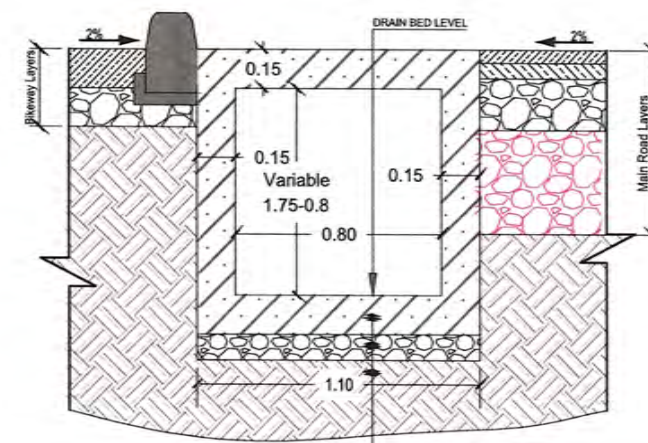
40CM opening should be provided between 2 curb stones for surface water of bikeway



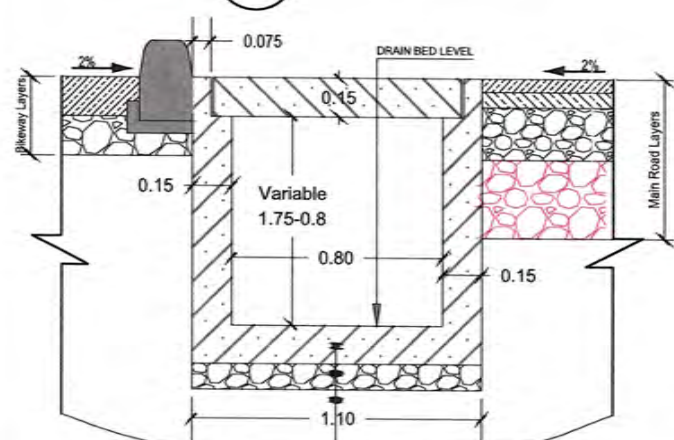
DET-05
TYPE E
SECTION B-B, REINFORCEMENT DETAILS



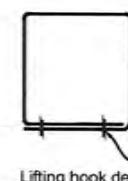
DET-05
TYPE E
SECTION A-A, REINFORCEMENT DETAIL



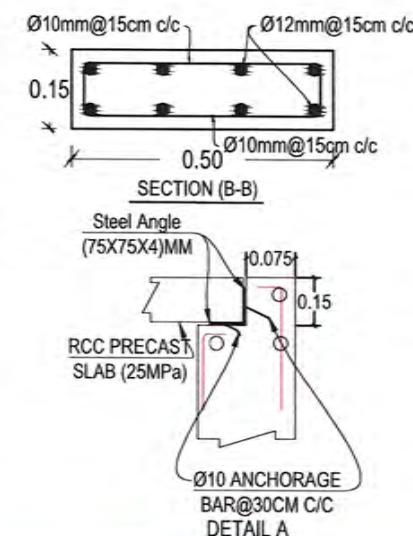
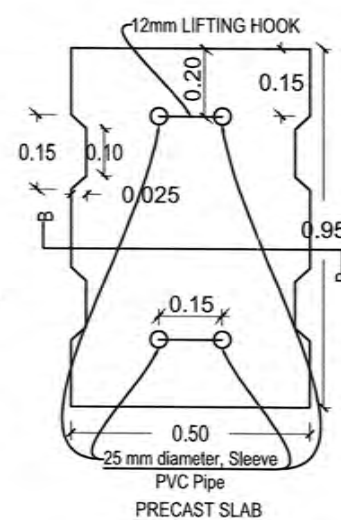
DET-05
TYPE E
SECTION A-A, DIMENSION AND MATERIAL DETAILS



DET-05
TYPE E
SECTION B-B, DIMENSION AND MATERIAL



Lifting hook shall be fixed with strong steel brace fastener



TYPE E SIDE DRAIN (0.8X1.75-0.80)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	200	
As2		10	200	
As3		12	200	
As4		12	200	

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

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

TYPE E LEFT SIDE DRAIN PLAN, SECTIONS&DETAILS

Drawn By: M. Jafar

Designed By: M. Jafar

Checked By: Hasibullah Shalizi

Date: 11/09/2024

Status: FINAL DESIGN

Project Code:

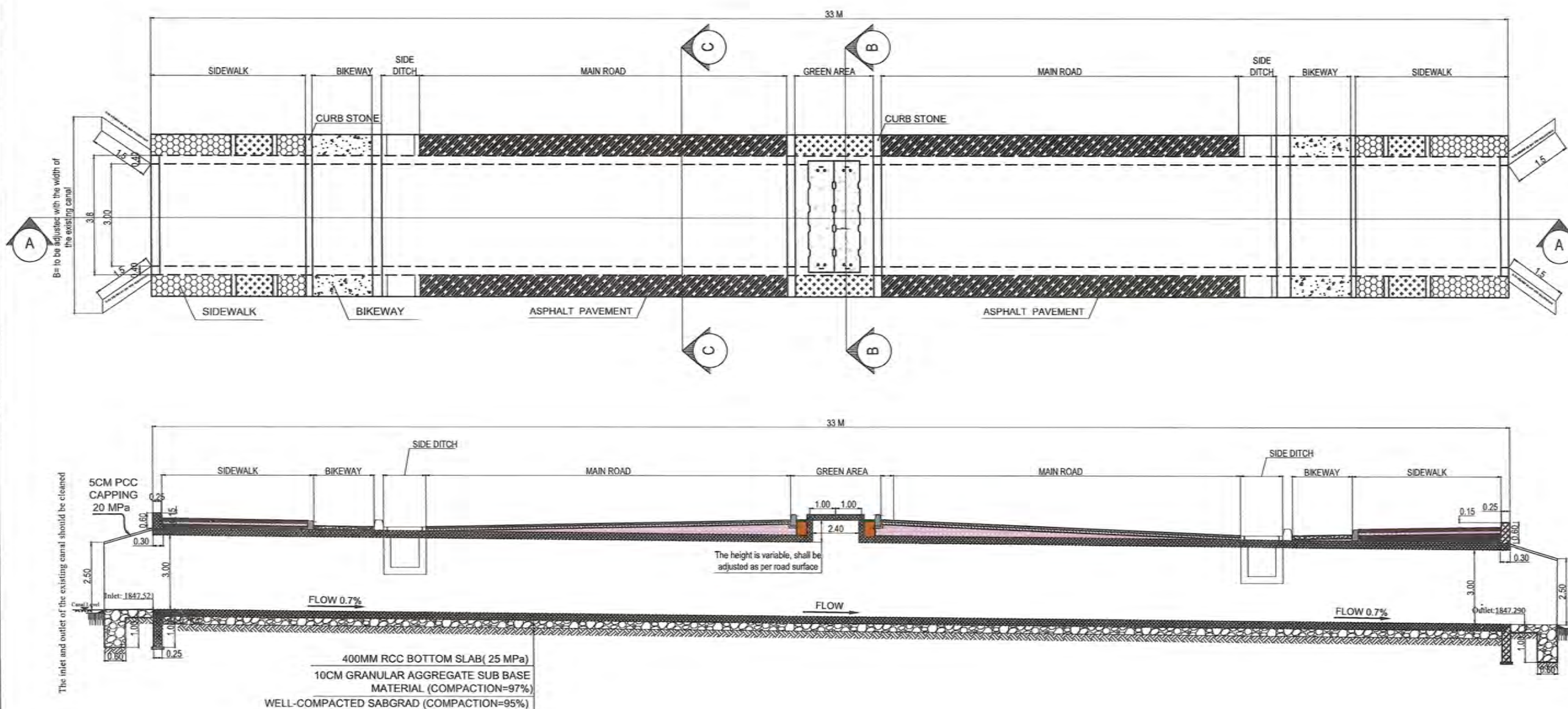
SHEET

SDPSD-04 OF 05

REVISION

00

- 1: The skew angle of wing wall shall be adjusted as per site requirements and Engineer judgment.
- 2: The skew angle of culverts shall be adjusted as per site requirements by Engineer judgment.



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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CULVERT # 01 PLAN AND
LONGITUDINAL SECTION

Drawn by: M. Jafar

Signature:

Designed by: M. Jafar

Signature:

Checked by: Hamidullah Shalizi

Signature:

Date:
11-13-2024

Scale:

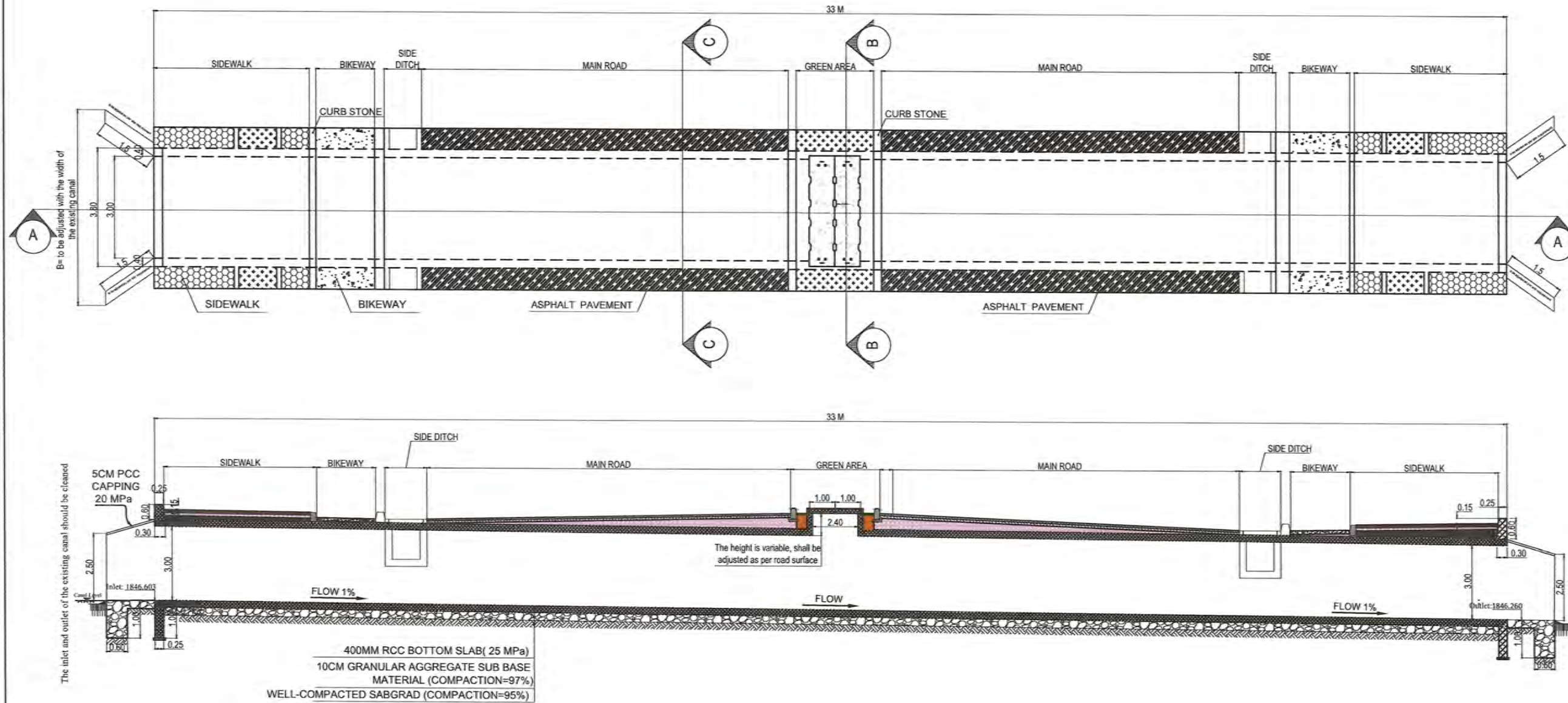
Status:
FINAL DESIGN

Project Code:

Drawing Number
CUL-DET # 01

Revision
00

- 1: The skew angle of wing wall shall be adjusted as per site requirements and Engineer judgment.
- 2: The skew angle of culverts shall be adjusted as per site requirements by Engineer judgment.



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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CULVERT #02 PLAN AND LONGITUDINAL SECTION

Drawn by: M. Jafar
Designed by: M. Jafar
Checked by: Habibullah Shalizi

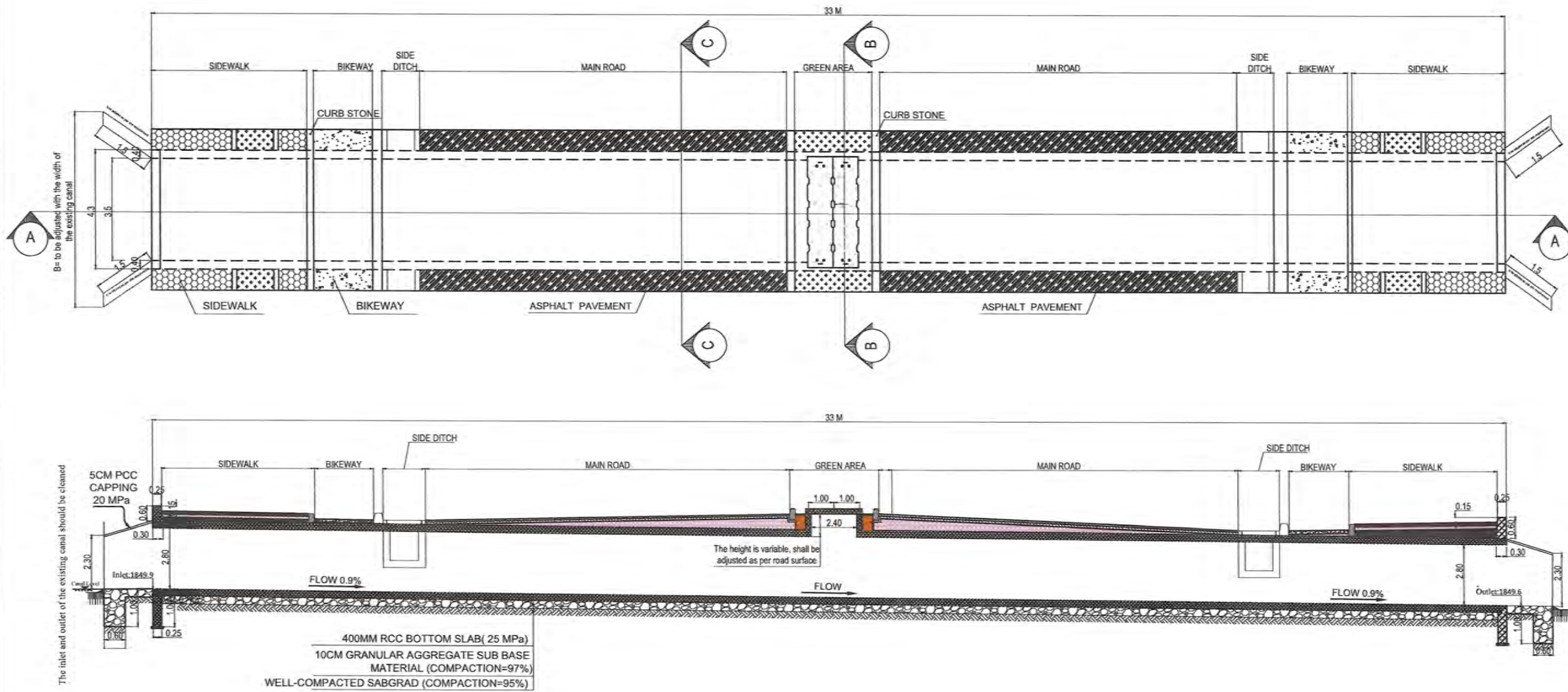
Date: 11-13-2024 Scale:

Status: FINAL DESIGN

Project Code

Drawing Number: CUL-DET #02 Revision: 00

- 1: The skew angle of wing wall shall be adjusted as per site requirements and Engineer judgment.
- 2: The skew angle of culverts shall be adjusted as per site requirements by Engineer judgment.



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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CULVERT #03 PLAN AND
LONGITUDINAL SECTION

Drawn by:

M. Jafar

Signature:

Designed by:

M. Jafar

Signature:

Checked by:

Hiridullah Shalizi

Signature:

Date:

11-13-2024

Scale:

Status:

FINAL DESIGN

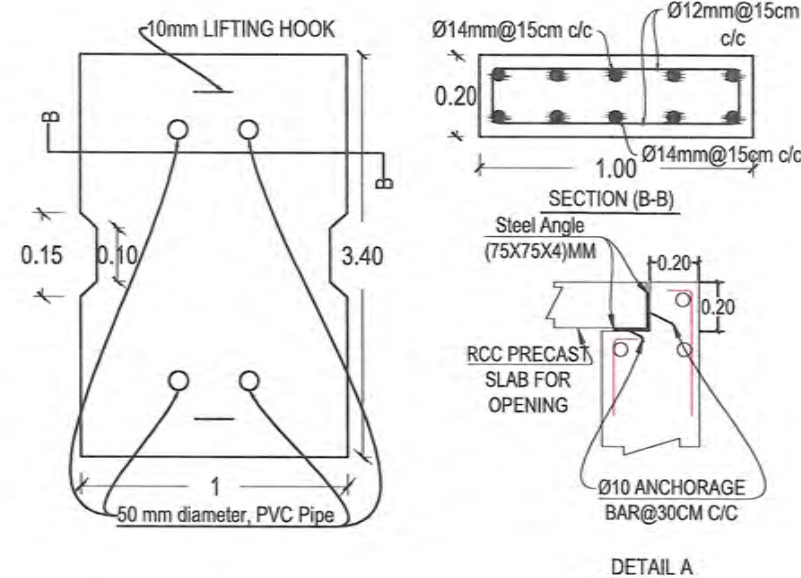
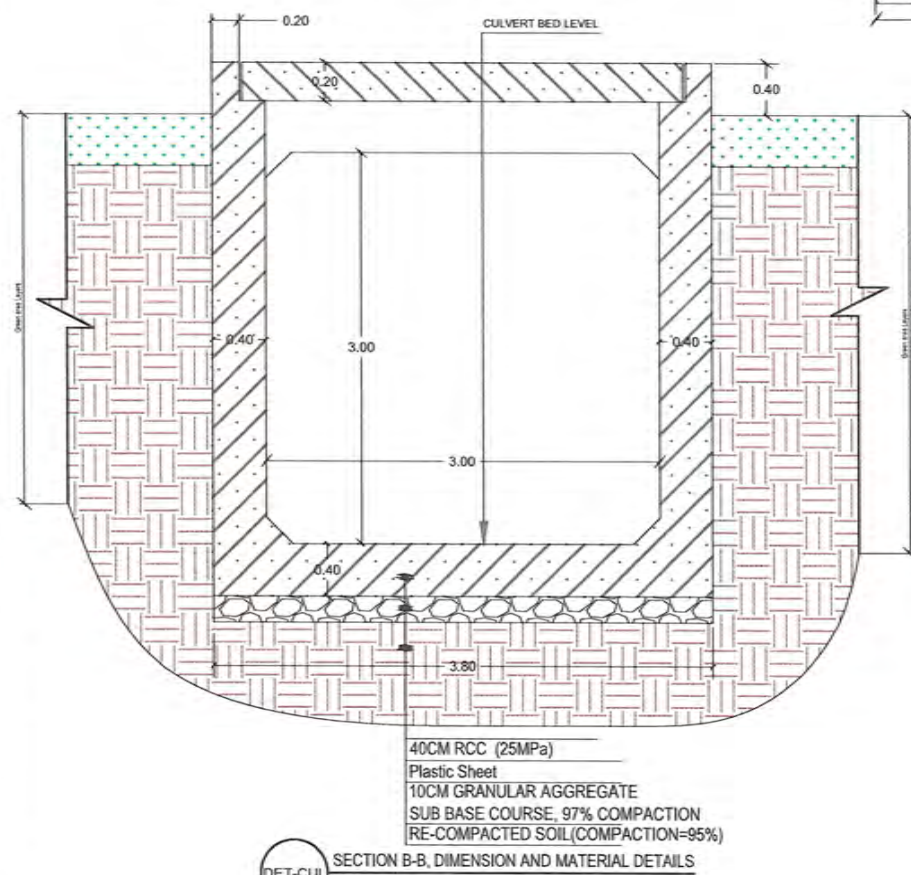
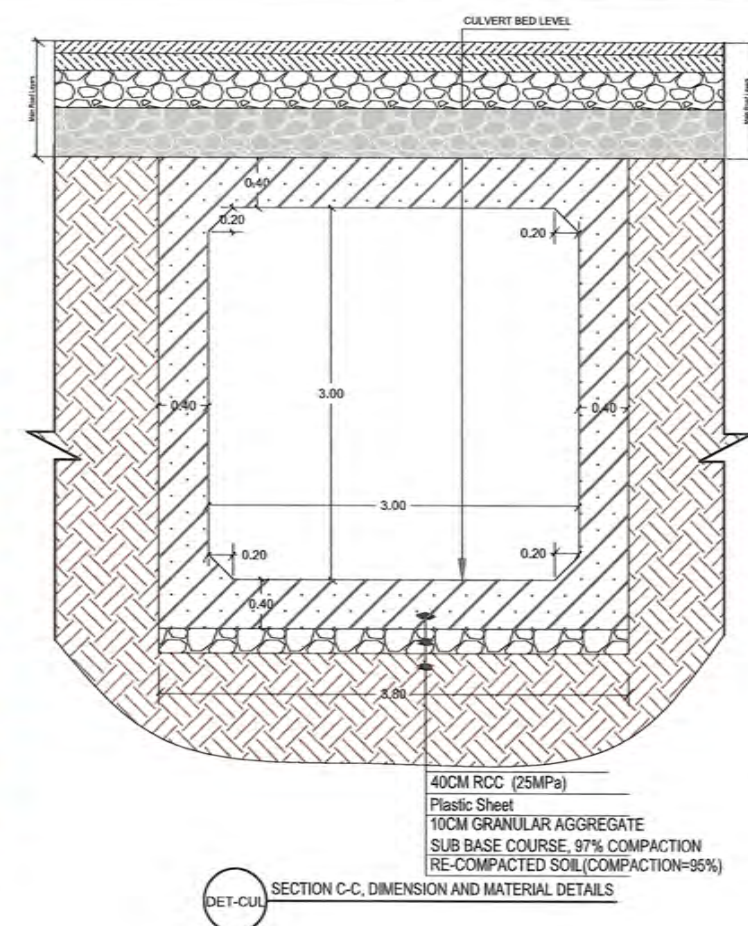
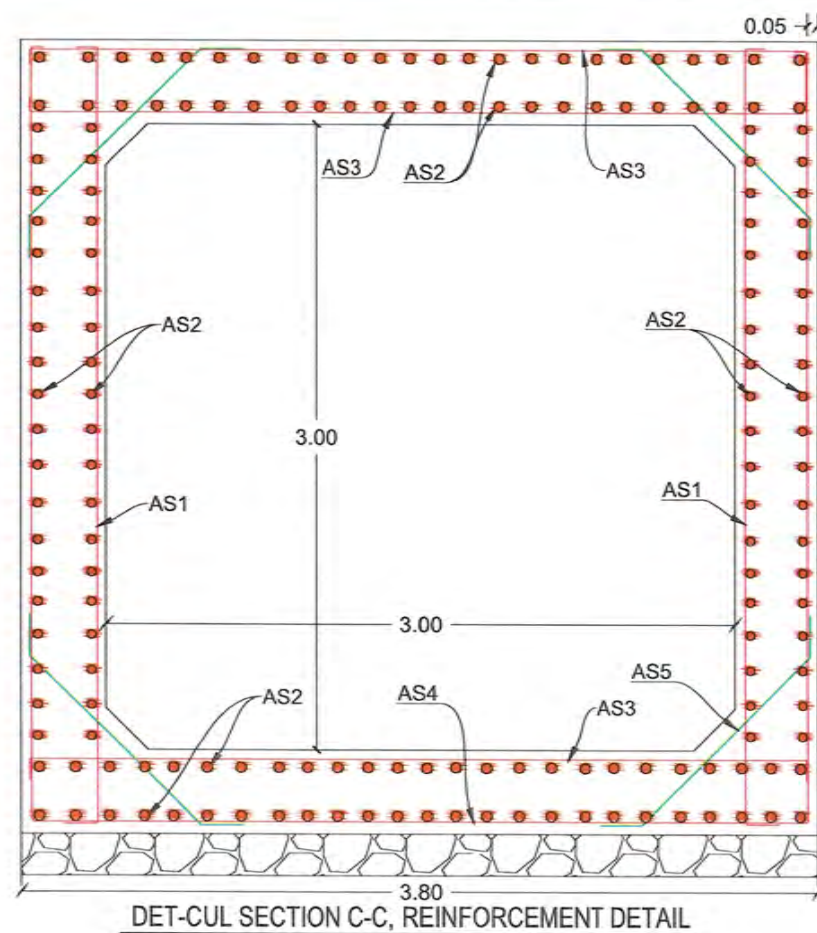
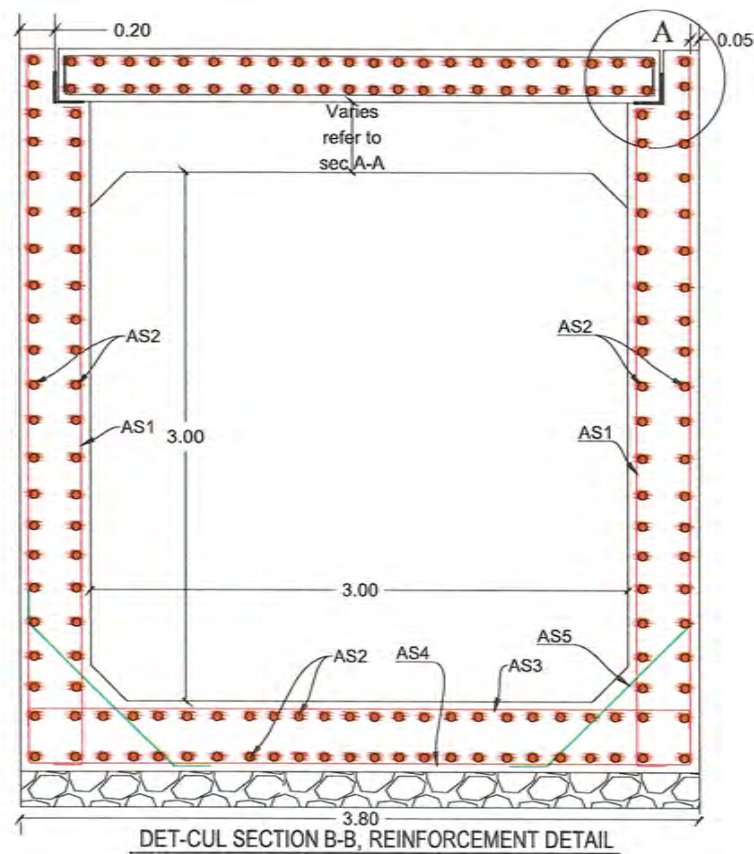
Project Code

Drawing Number

CUL-DET #02

Revision

00



CULVERT (3X3)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		20	150	
As2		14	150	
As3		20	150	
As4		20	150	
As5		12	200	

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
CULVERT #01 AND #02
SECTIONS AND DETAILS

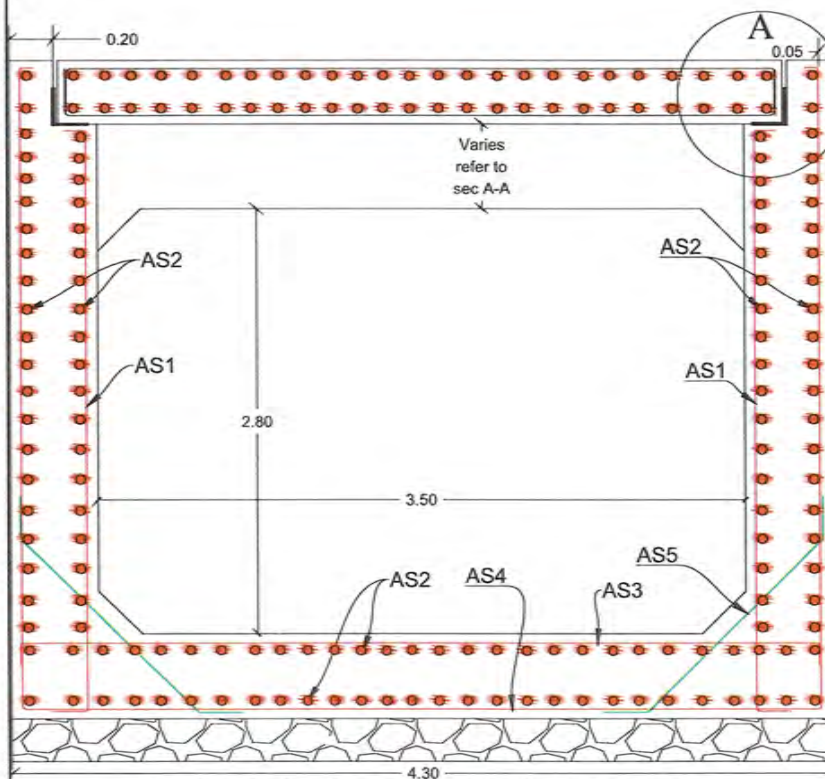
Drawn By: M. Jafar
Designed By: M. Jafar
Checked By: Hasibullah Shalizi

Date: 19/12/2023
Scale:

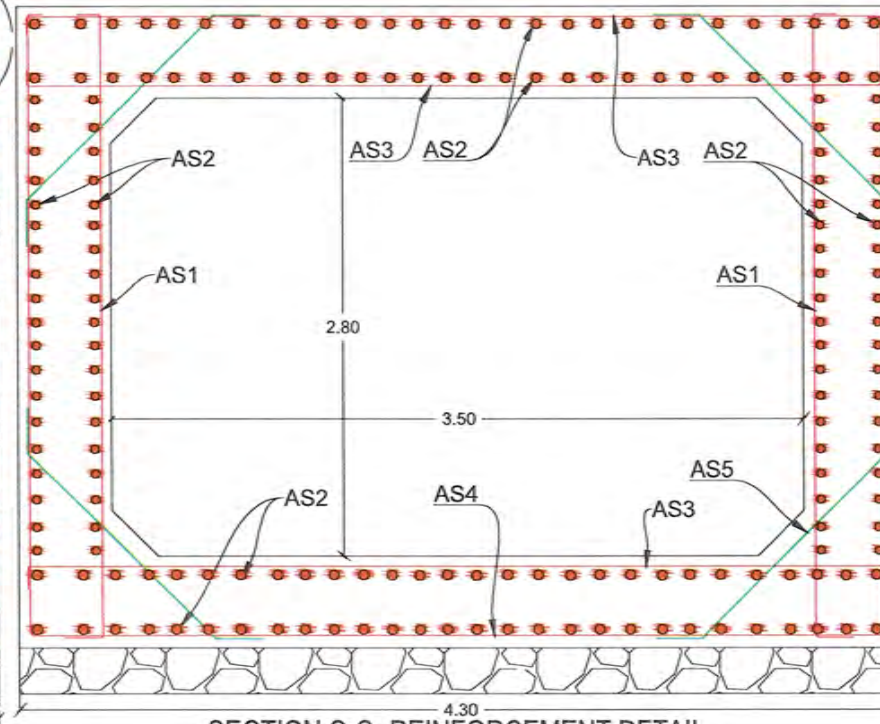
Status: FINAL DESIGN

Project Code:

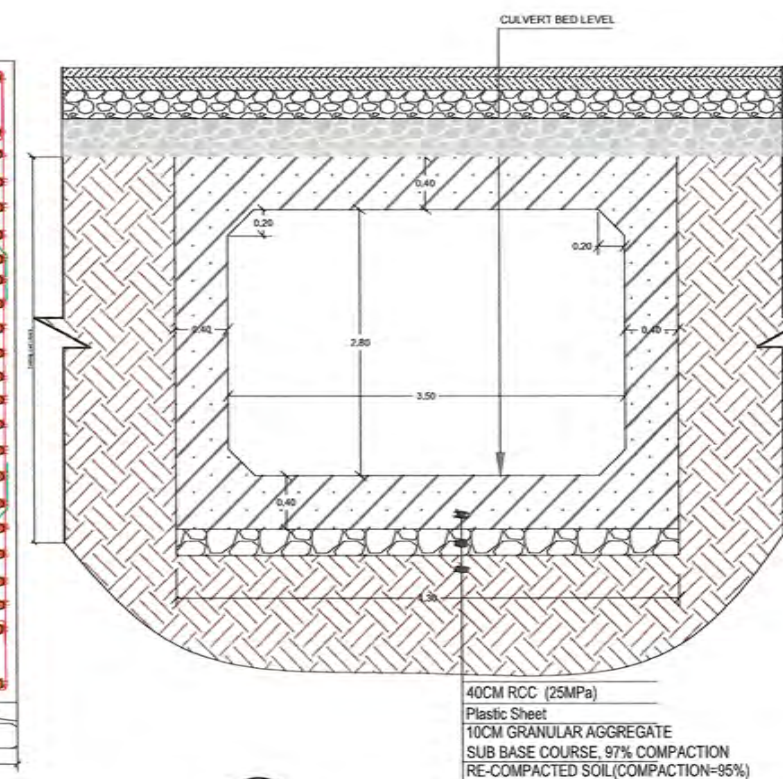
SHEET NO. CUL-DET #01 AND #02
PAGE NO. 01



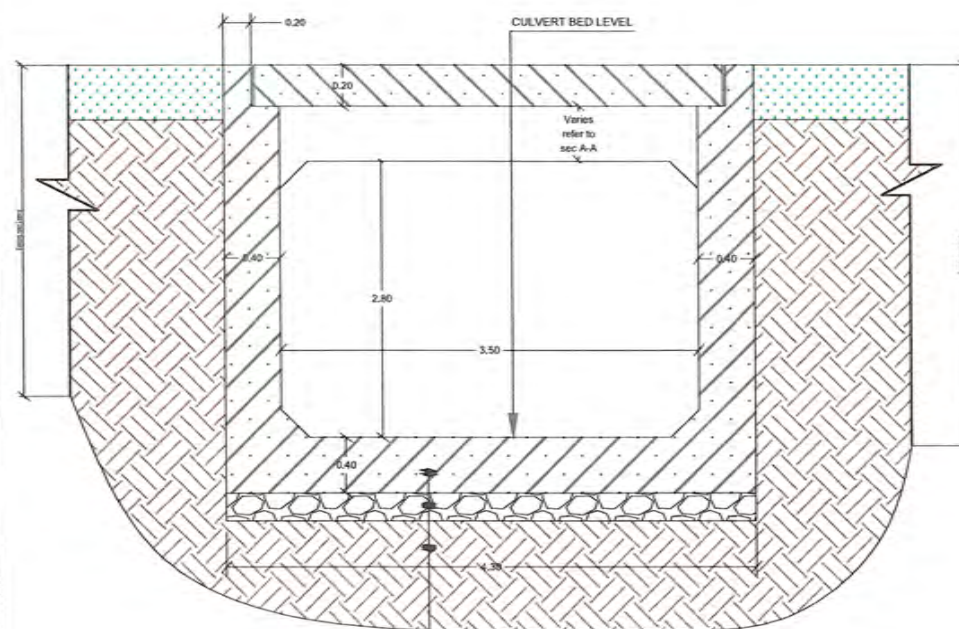
DET-CUL SECTION B-B, REINFORCEMENT DETAIL



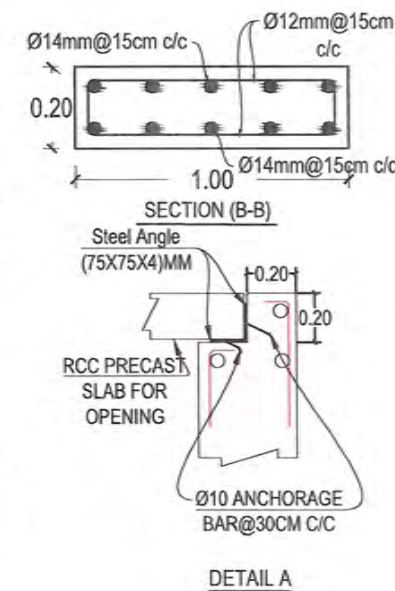
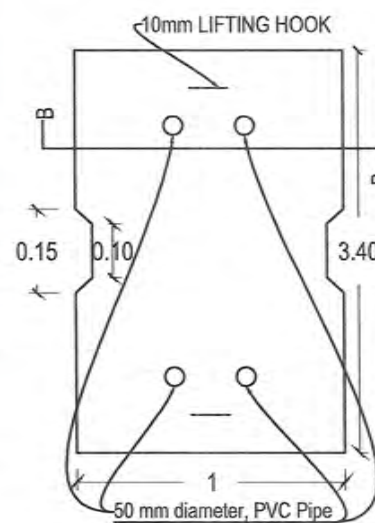
SECTION C-C, REINFORCEMENT DETAIL



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



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



DETAIL A

CULVERT (3.5X2.8)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		20	150	
As2		14	150	
As3		20	150	
As4		20	150	
As5		12	200	

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



Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CULVERT #03
SECTIONS AND DETAILS

Drawn By:

M. Jafar

Designed By:

M. Jafar

Checked By:

Hazratullah Shalizi

Date:

19/12/2023

Status:

FINAL DESIGN

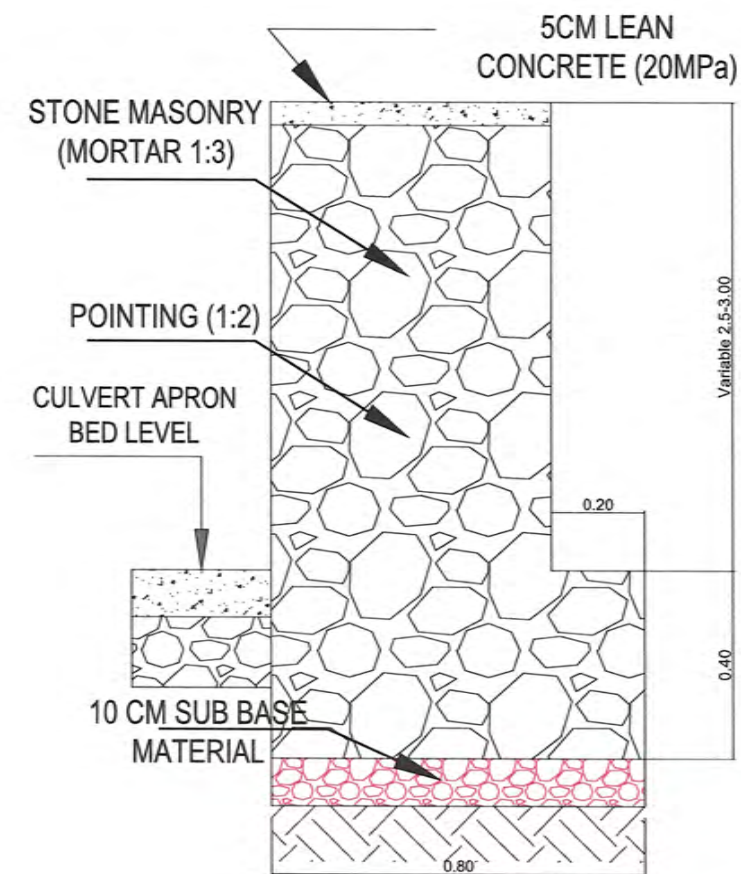
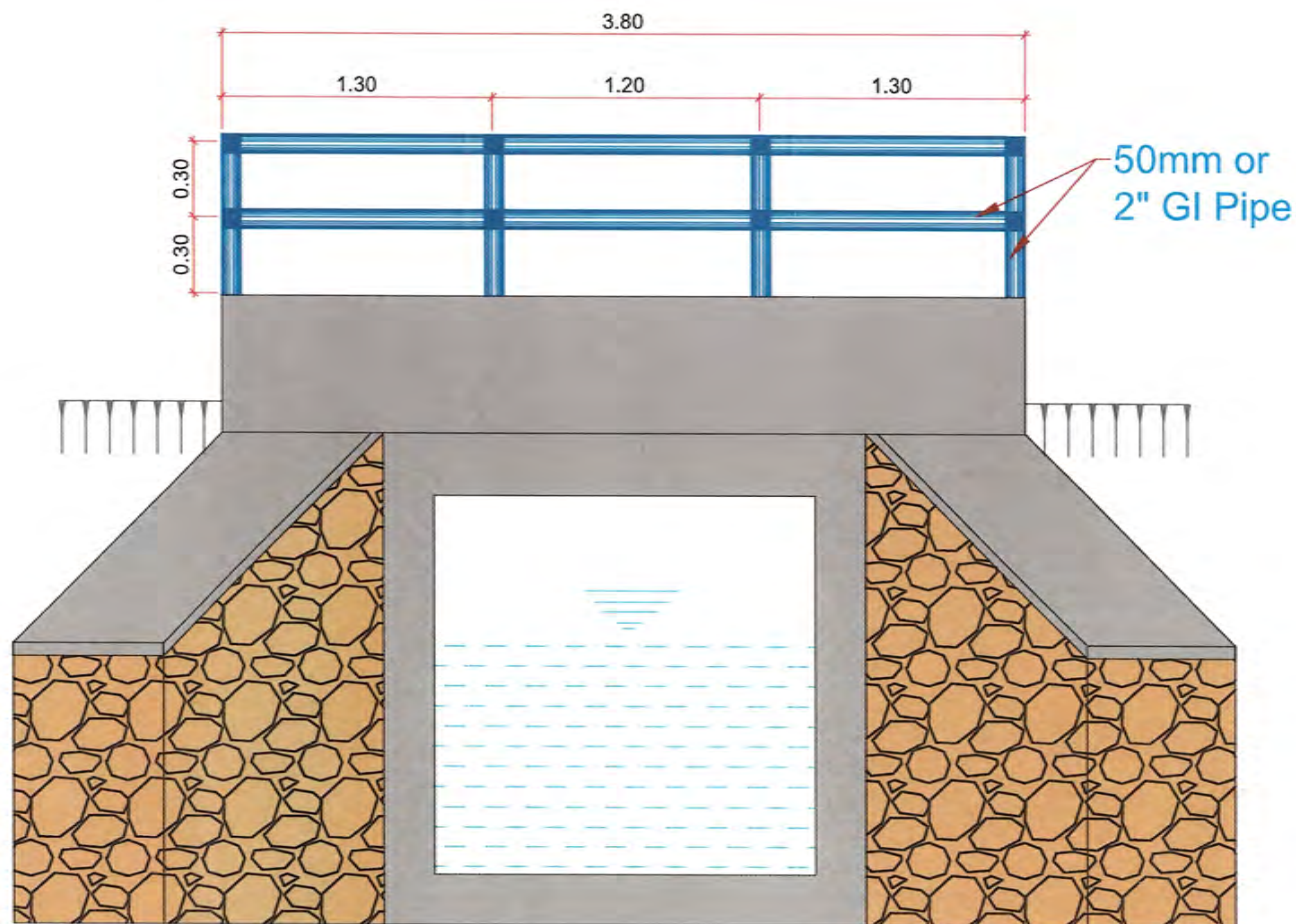
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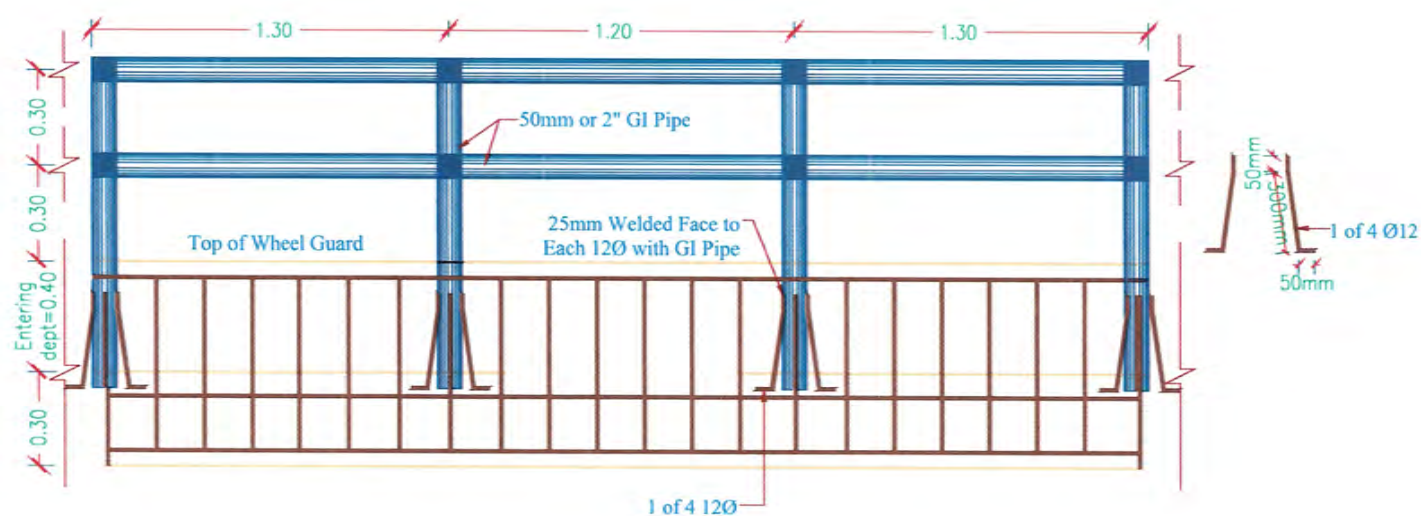
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PAGE NO.

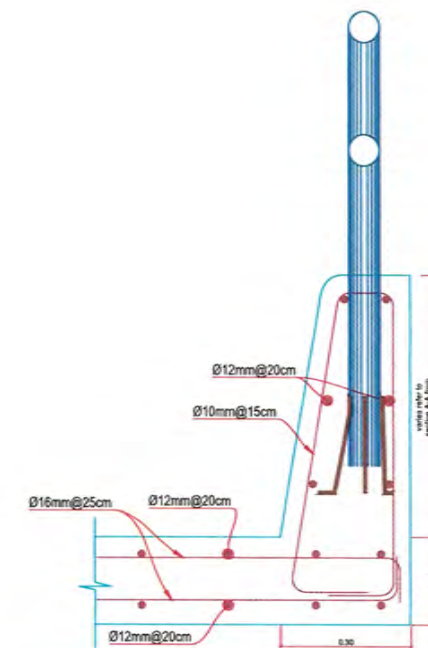
01



WING WALLS DETAILS for
Culvert #1 & #2



DETAIL OF RAILING
FOR CULVERT #03



HEAD WALL REINFORCEMENT DETAIL

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of
Afghanistan

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

CULVERT#01 & #02 DETAILS

Drawn By: M. Jafar

Signature:

Designed By: M. Jafar

Signature:

Checked By: Habibullah Shalizi

Signature:

Reviewed By:

Signature:

Date:

19-09-2023

Scale:

Status:

FINAL DESIGN

Project Code:

Drawing Number:

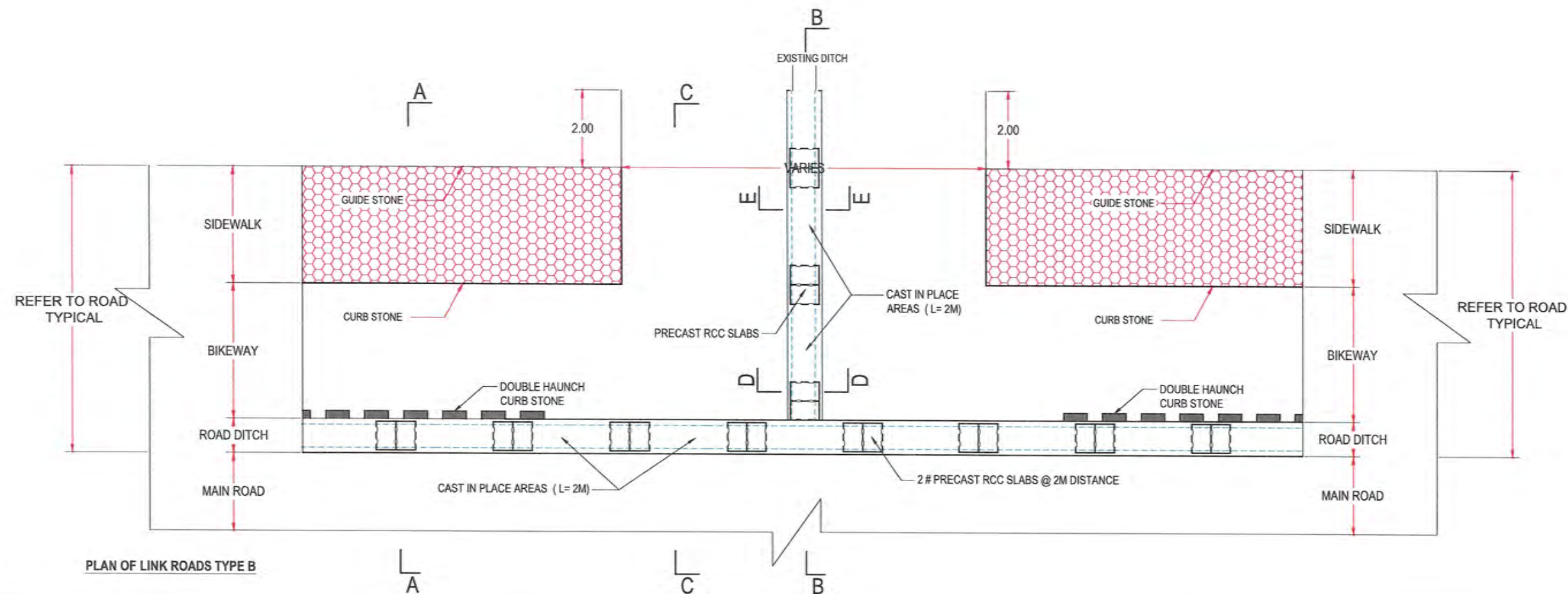
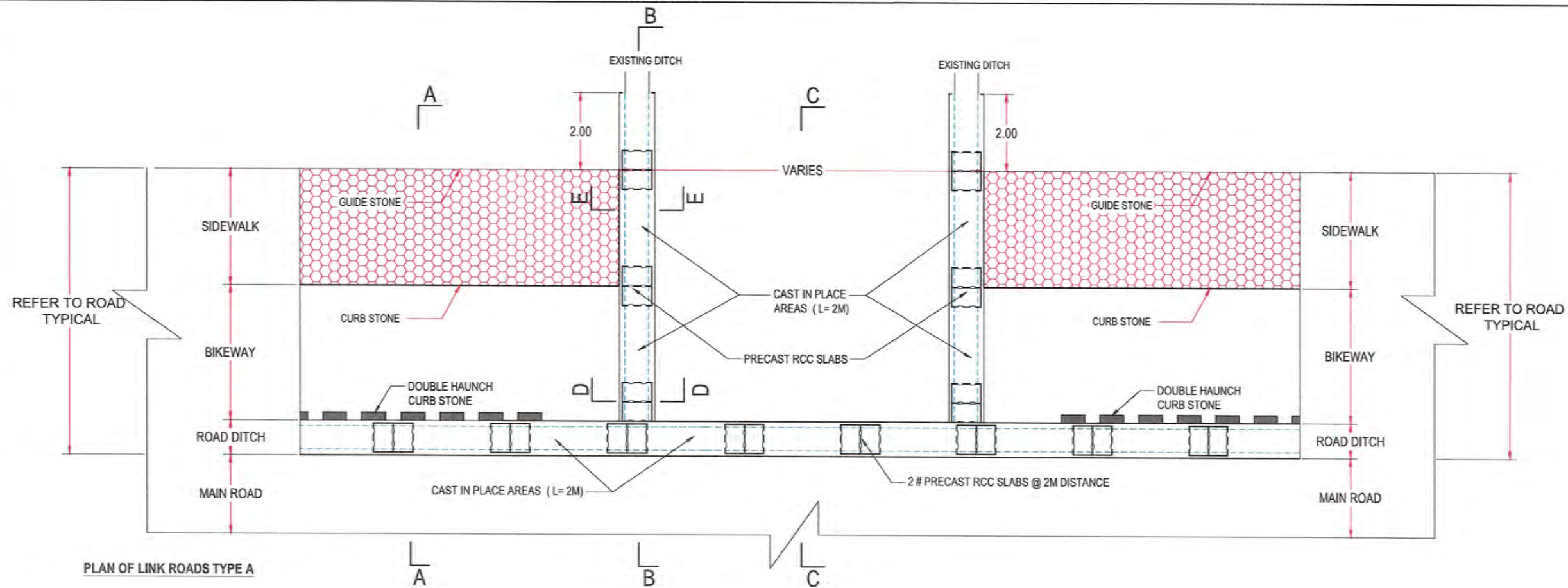
CULVERT#01 and #2

Revision

01



	DETAILS	01
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NOTE:
1. All dimensions are in m unless otherwise indicated.

- NOTES:
1. All link roads should be connected and adjusted properly to the new designed road as per site.
 2. The location of Proposed RCC ditch should be followed the existing ditch in each link road and should be properly adjusted as per site.
 3. For all those Link Roads which have less than 6M width should have one Ditch.
 4. For all those Link Roads which have 6M and More than 6M width should have Two Side Ditches.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:

Link Road Types

Drawn: M. Jafar

Designed: M. Jafar

Checked: Hasibullah Shalizi

Date: 11/06/2024

Scale: 1:75

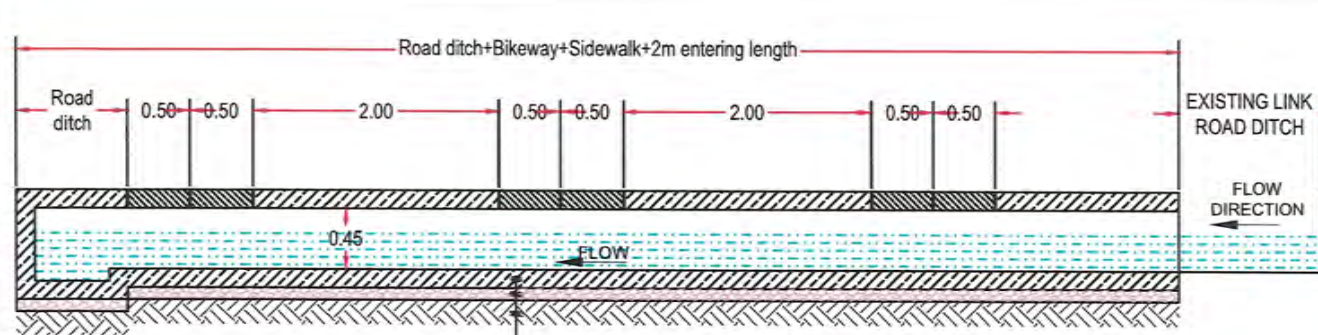
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Project Code

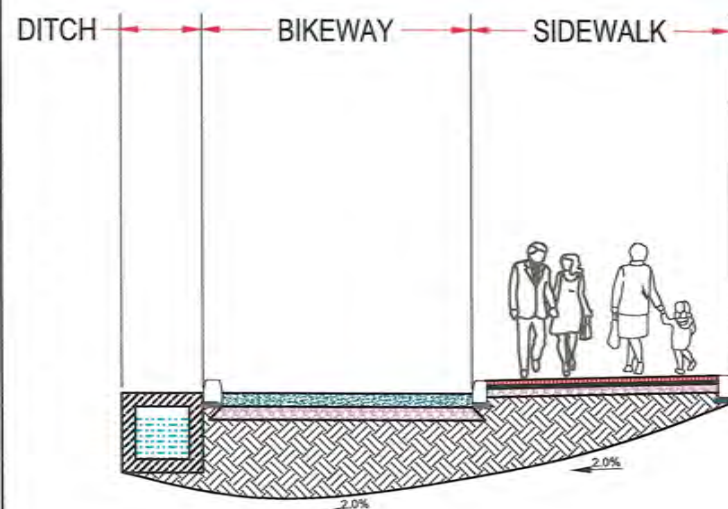
SHEET NO.

Link Road Types

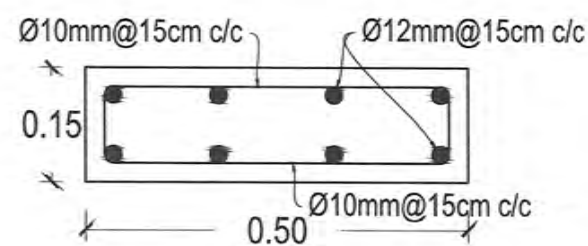
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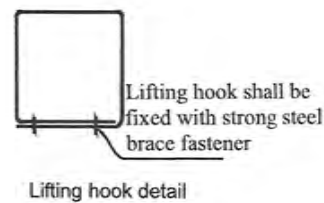
SECTION B-B FOR LINK ROADS



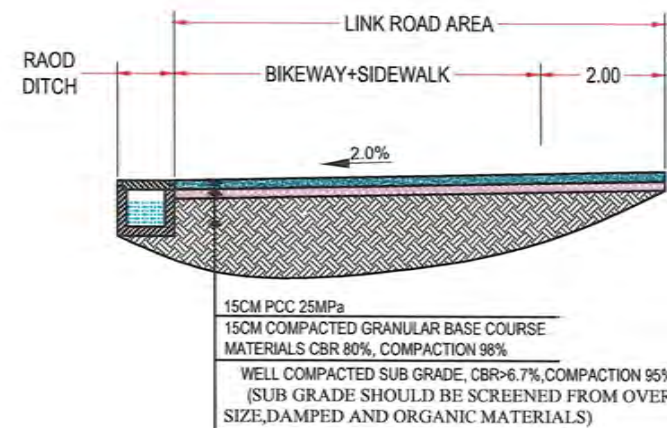
SECTION A-A FOR LINK ROADS



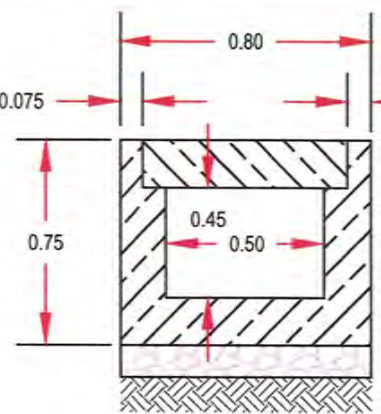
SECTION (B-B)



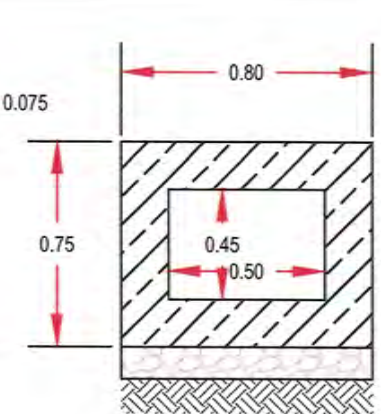
Lifting hook detail



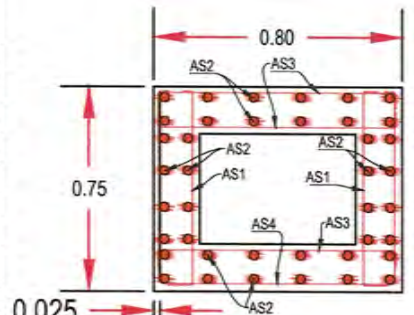
SECTION C-C FOR LINK ROADS



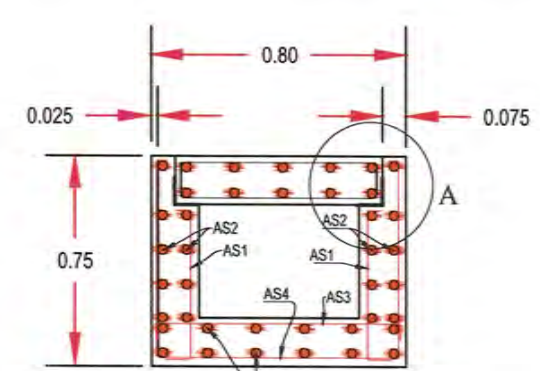
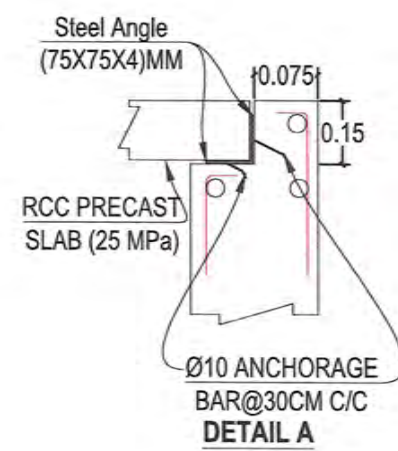
SECTION D-D FROM LINK ROAD DITCH



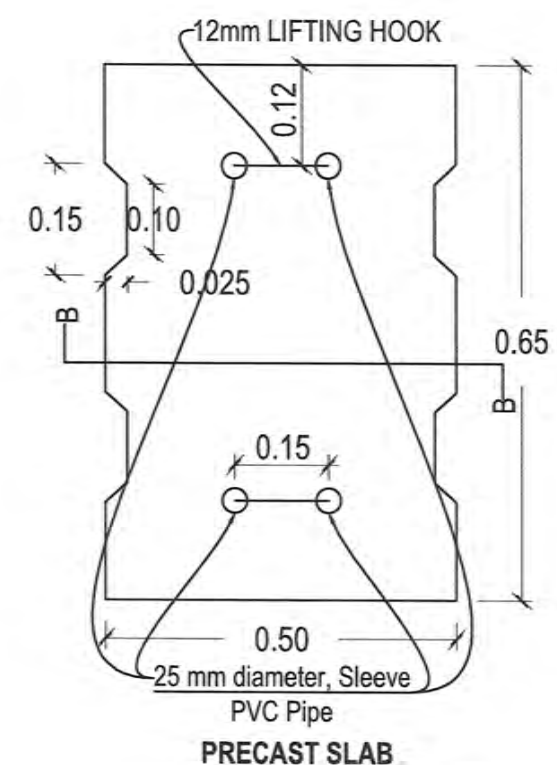
SECTION E-E FROM LINK ROAD DITCH



SECTION E-E, REINFORCEMENT DETAIL



SECTION D-D, REINFORCEMENT DETAIL



PRECAST SLAB

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

- NOTES:
1. All link roads should be connected and adjusted properly to the new designed road as per site.
 2. The location of Proposed RCC ditch should be followed the existing ditch in each link road and should be properly adjusted as per site.
 3. For all those Link Roads which have less than 6M width should have one Ditch.
 4. For all those Link Roads which have 6M and More than 6M width should have Two Side Ditches.
 5. The designed spacing between the bars has been 15 centimeters. However, if according to the desired section, it is not possible for the bar spacing to be exactly 15 centimeters, therefore, the bar spacing should be adjusted according to the indicated section.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:

Nakhas to Omid-e-Sabz Road Project

Drawing Title:

Link Road Details

Drawn: M. Jafar

Designed: M. Jafar

Checked: Hasibullah Shalizi

Date: 11/06/2024

Scale: 1:75

Status: FINAL DESIGN

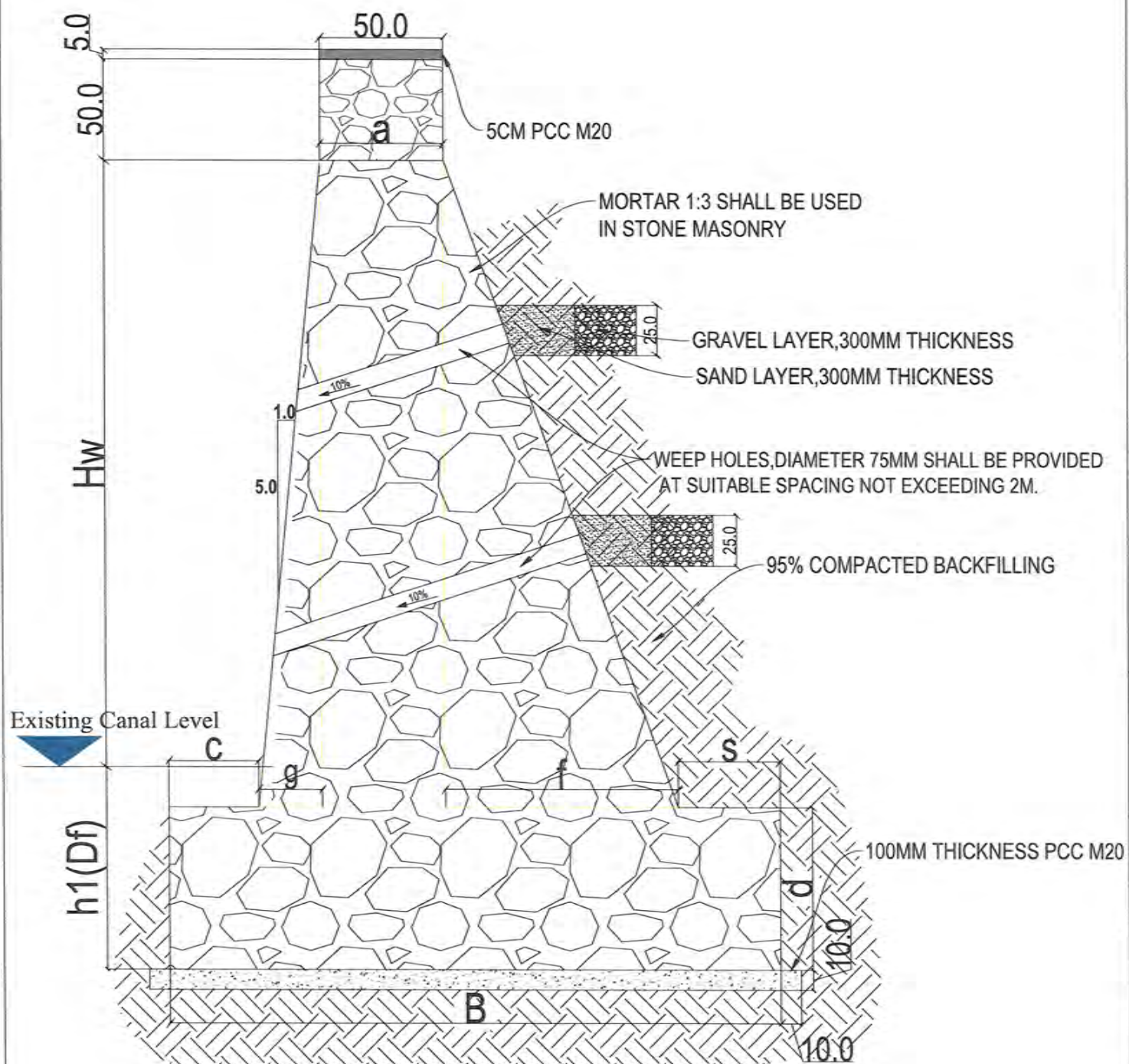
Project Code:

SHEET NO. Link Road Details

01

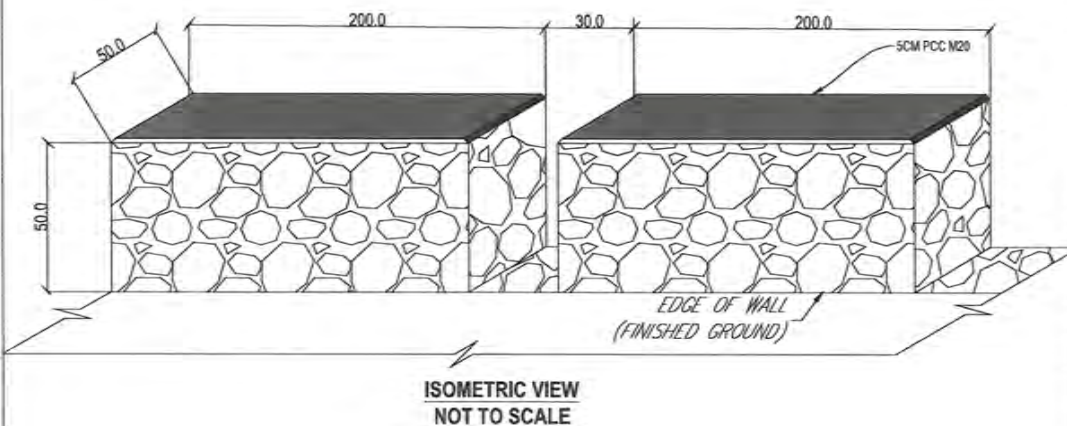
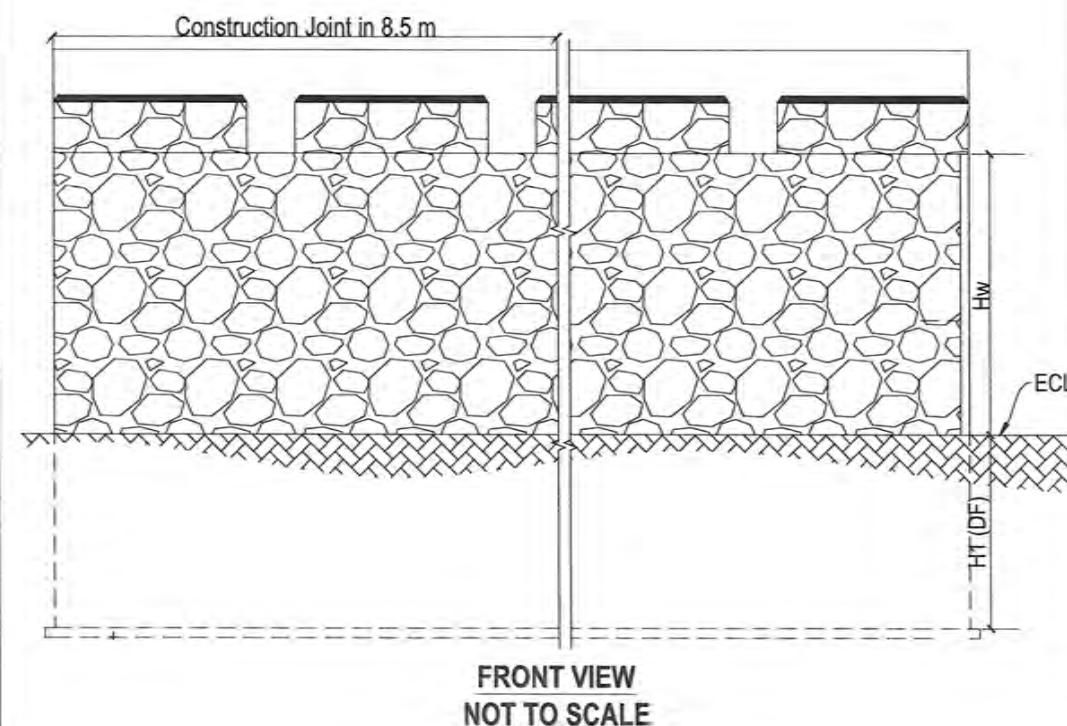
Precast slab reinforcement schedule on existing drain SCHEDULE

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



Dimension Details for Stone Masonry Retaining Wall

Dimension Details for Stone Retaining Wall										All in CM
NO	Hw	h1(Df)	d	B	a	c	g	f	s	
1	360	120	100	300	50	30	40	150	30	



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



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Nakhas to Omid-e-Sabz Road Project

Drawing Title: Retaining Wall Details

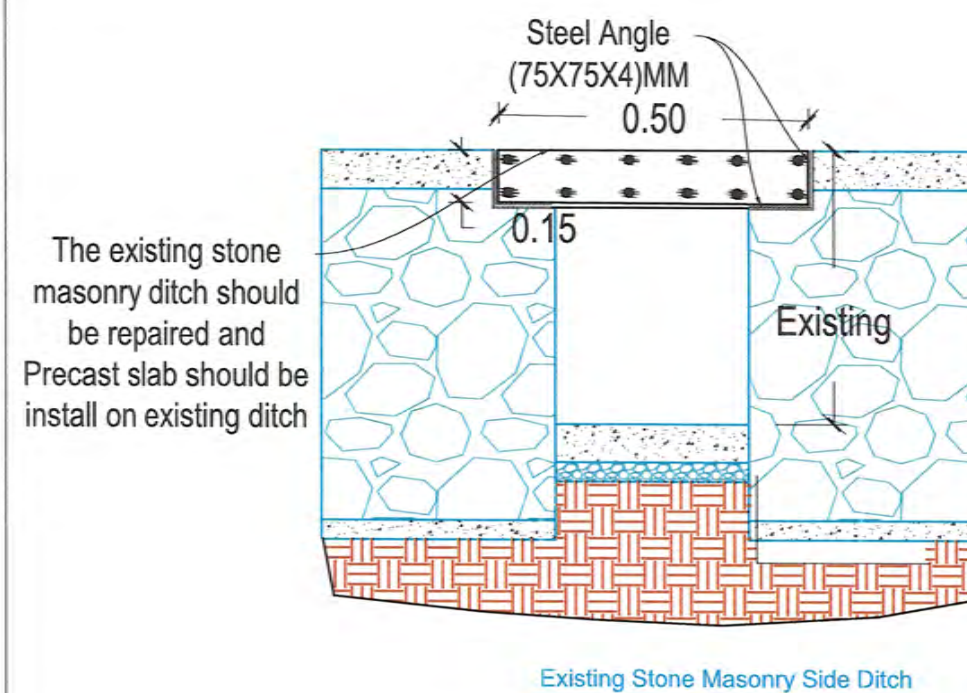
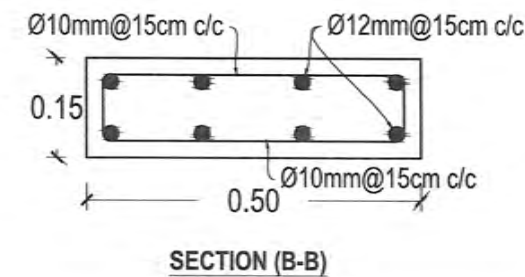
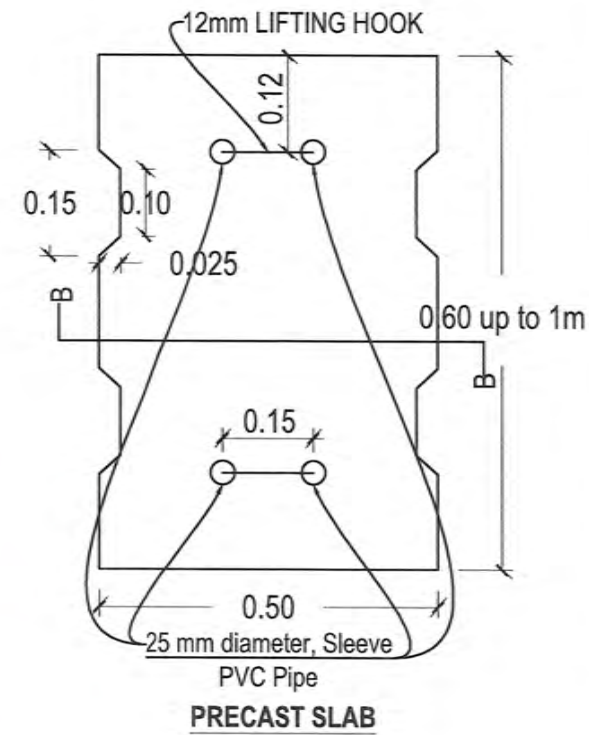
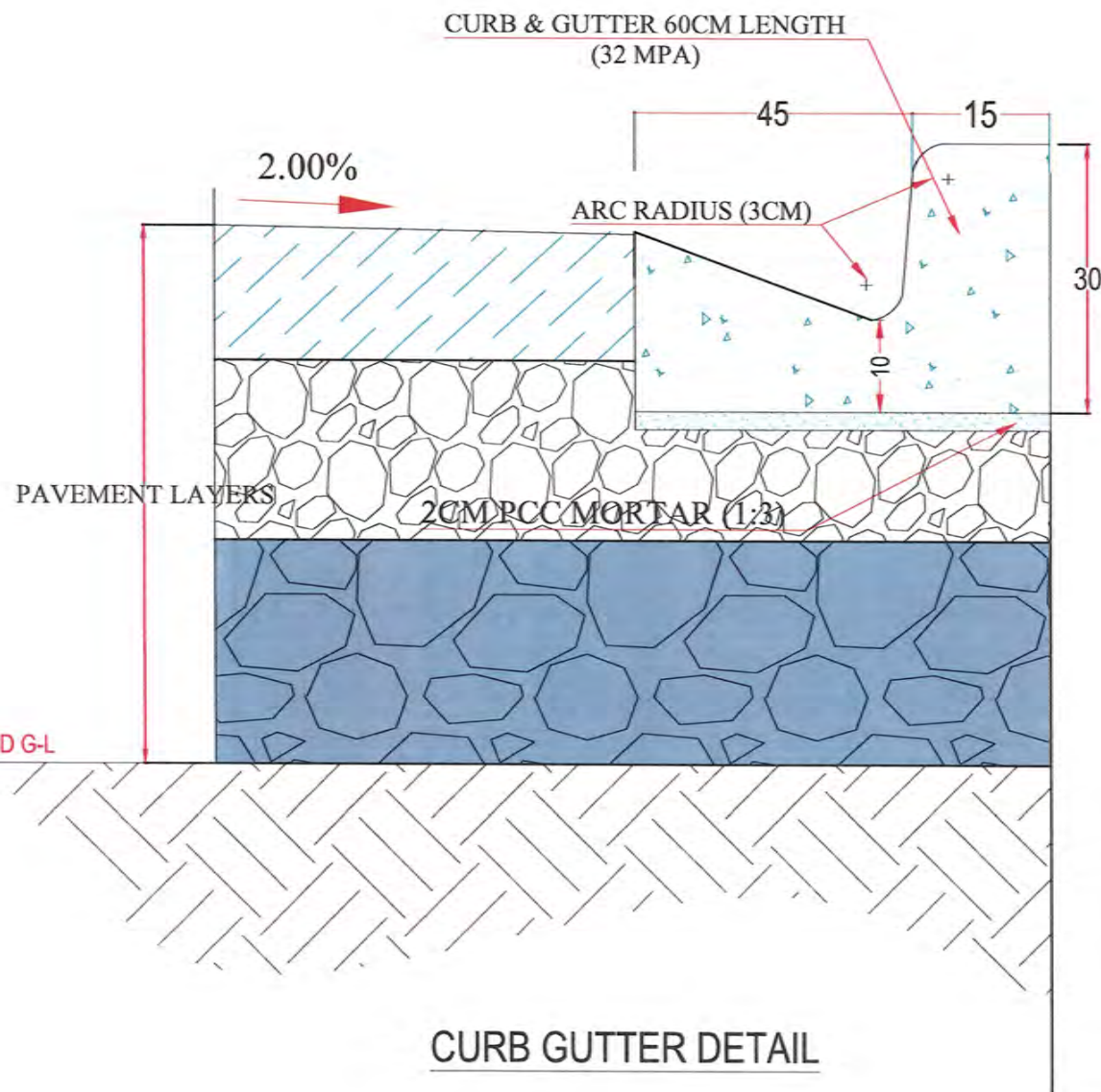
Designed by: M. Jafar
Drawn by: M. Jafar
Checked by: Husein Shahzad

Date: 11/30/2024 Scale: 1:200

Status: FINAL DESIGN

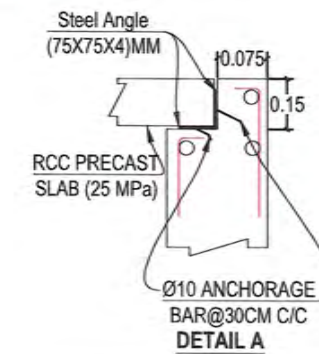
Project Code:

Drawing Number: DPF-5 Revision: 00



Precast slab reinforcement schedule on existing drain SCHEDULE

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



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



Rev.	Date	Revision Details	Drawn	Chkd	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
Nakhas to Omid-e-Sabz Road Project

Drawing Title:
Precast Slab and Curve gutter detail

Drawn: M. Jafar
Designed: M. Jafar
Checked: Hasibullah Shalizi

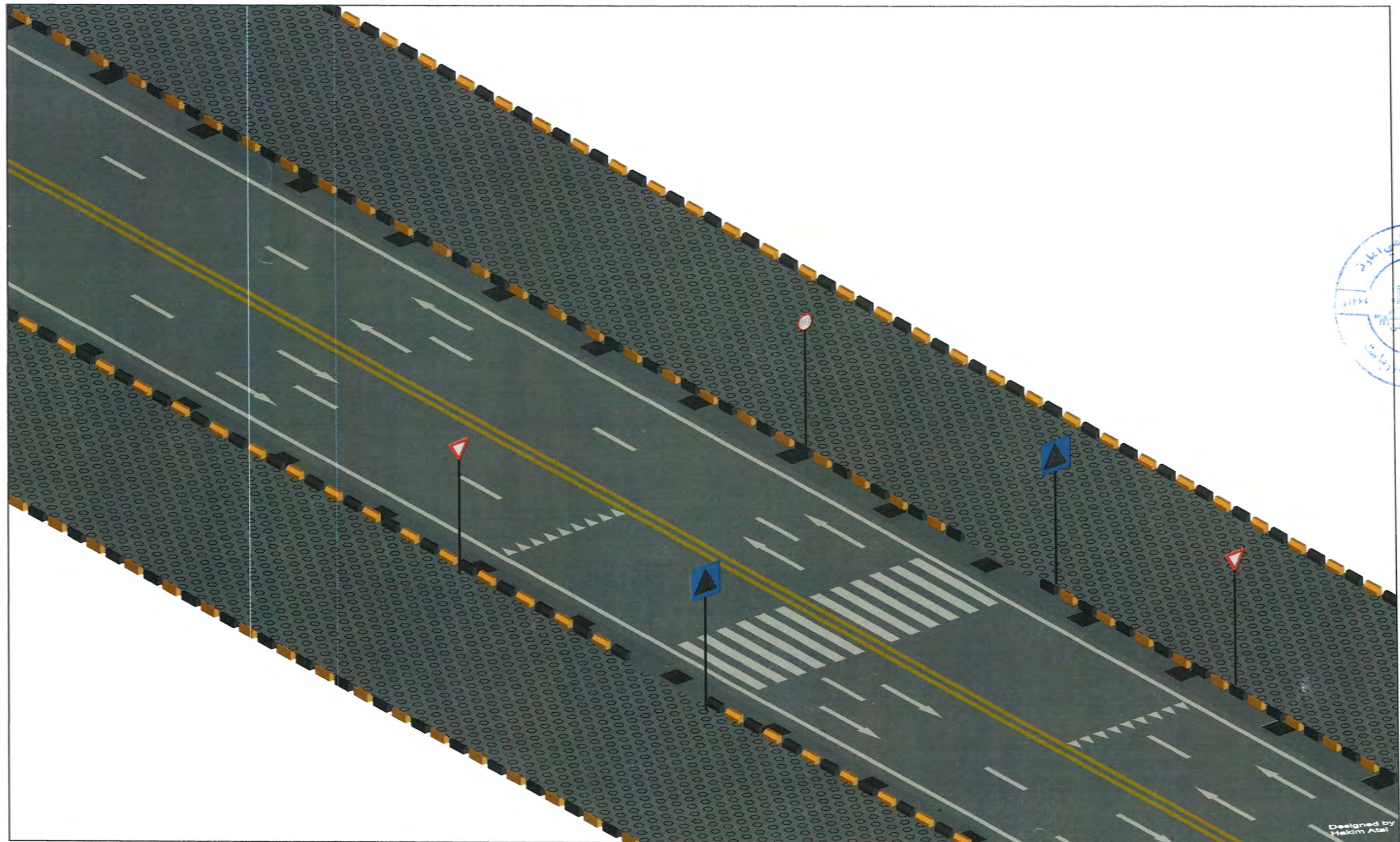
Date: 11/24/2024
Scale: 1:75

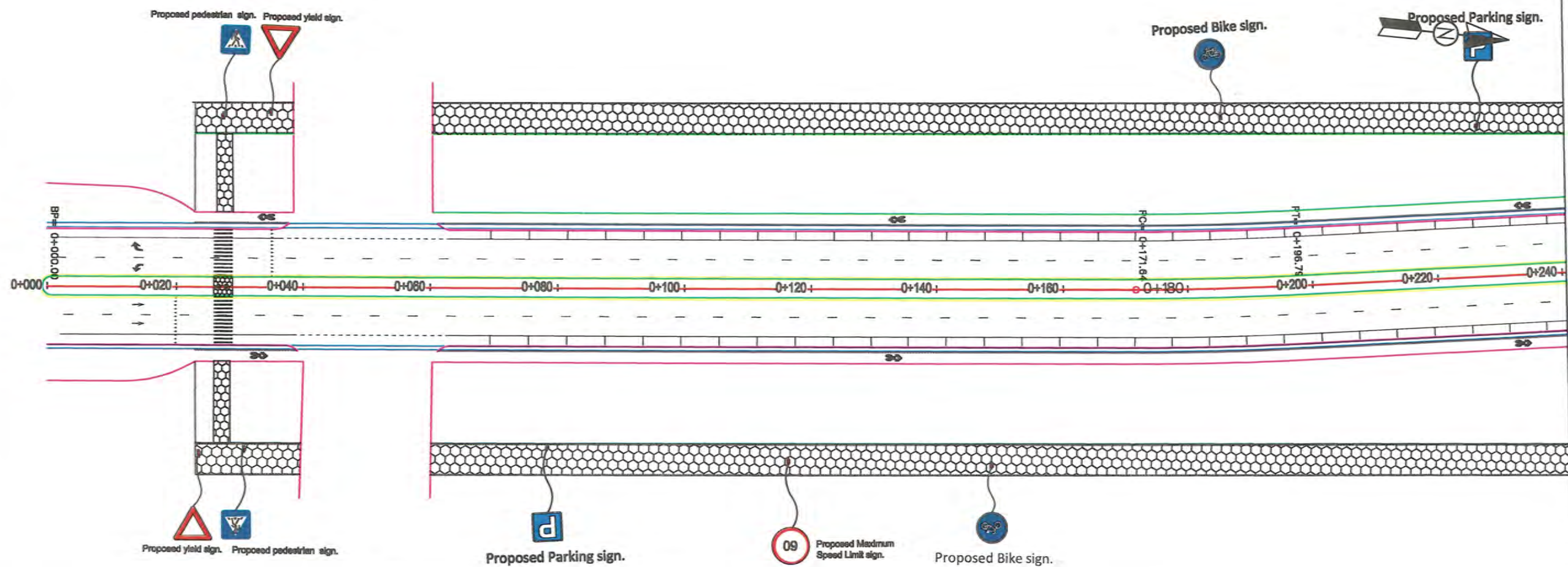
Status: FINAL DESIGN

Project Code

SHEET NO. Green areas opening detail
Revision 01

ROAD MARKING & SIGNAGE SECTION





NOTE:
- All dimensions are in meter unless mentioned.

LEGEND:

Side ditch line.

Center line.

Solid line white.

Solid line Yellow.

Broken line.

Dotted line.

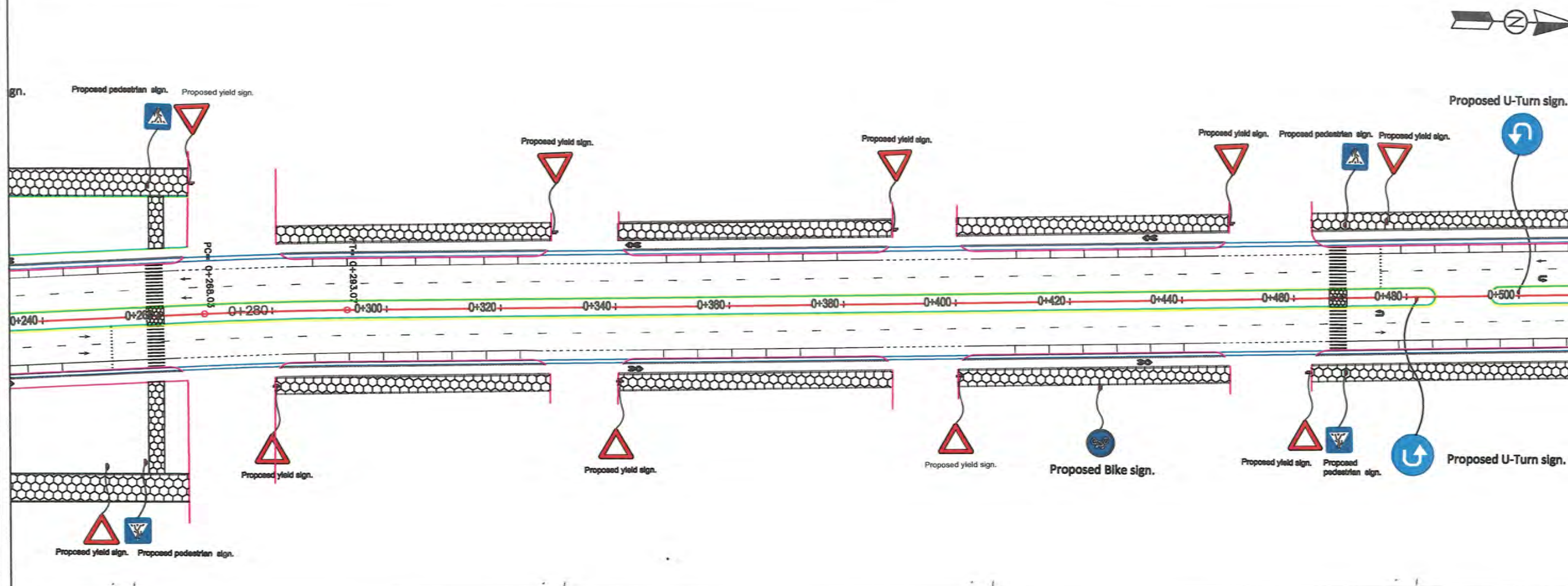
Curb stone.

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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Section

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafiuallah Stoman

Checked:

Shamsullah Najafi

Date:

1446/5/19

Status:

FINAL DESIGN

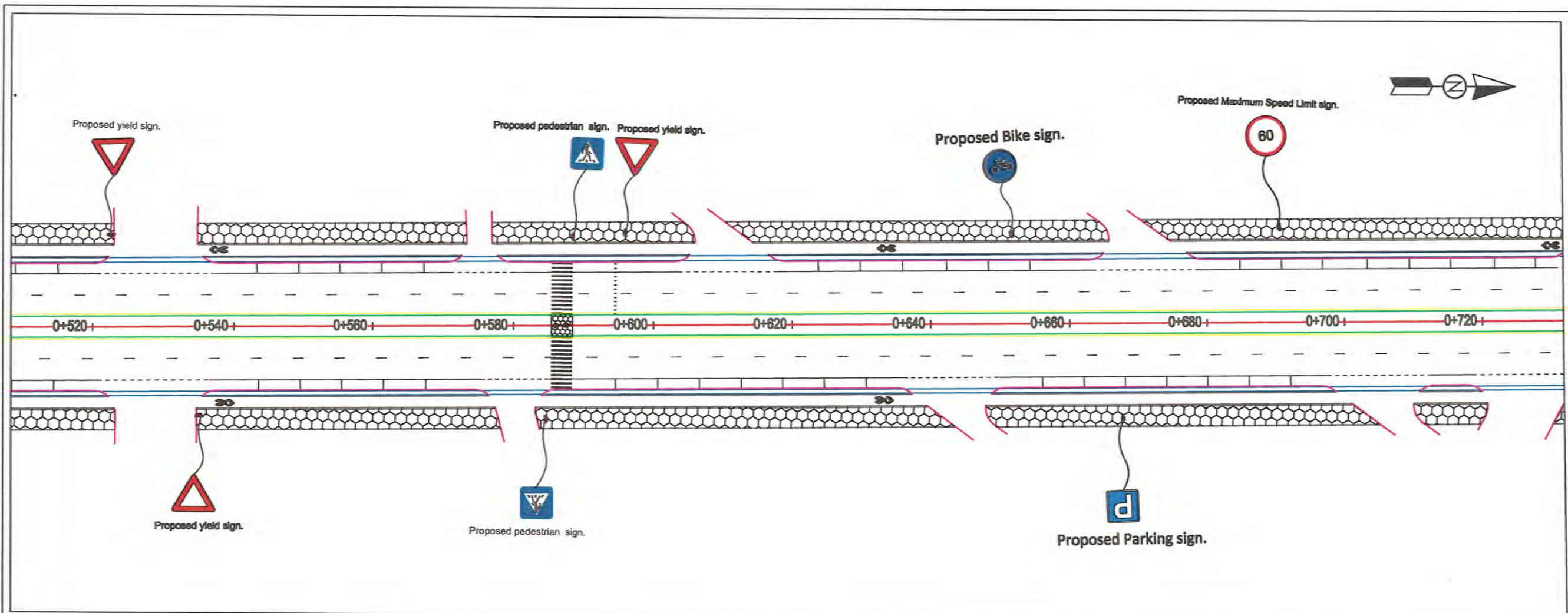
Project Code

Drawing Number

01

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.

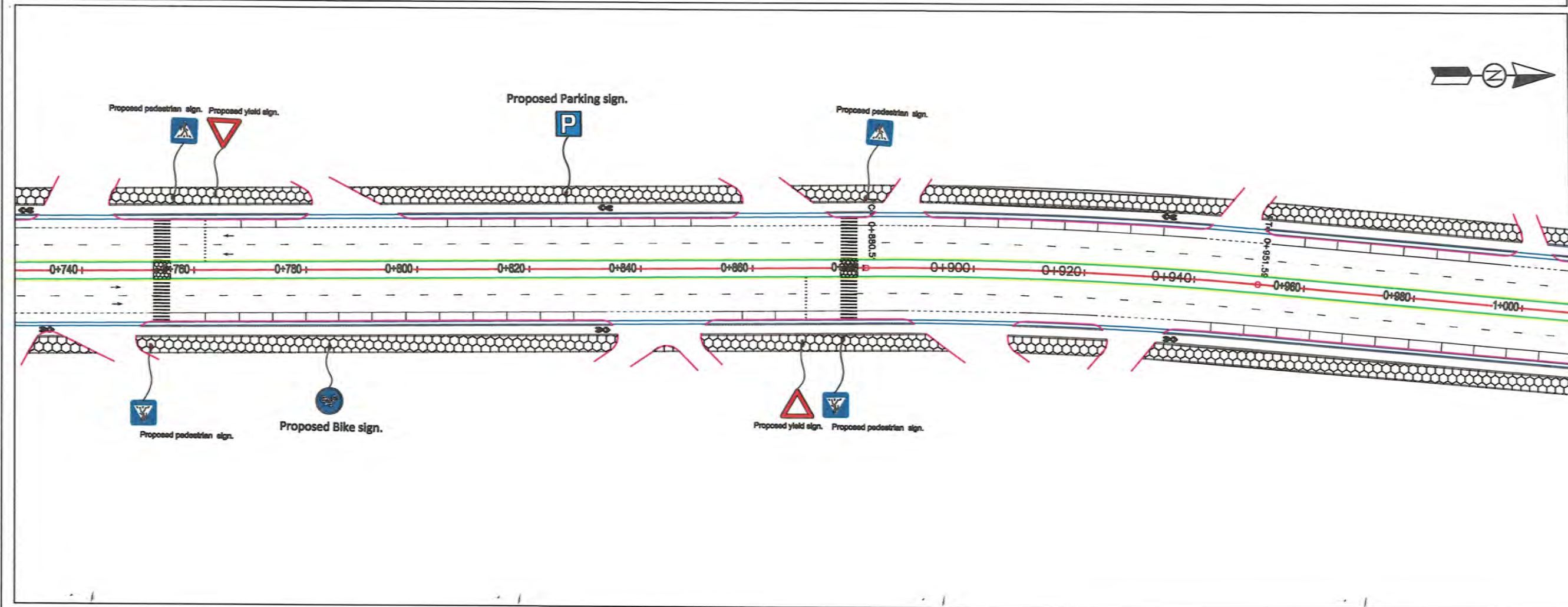
Curb stone.

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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Section

Drawn/Designed: M. Ishaq Rajae

Checked: Shafullah Stoman

Checked: Shamsullah Najafi

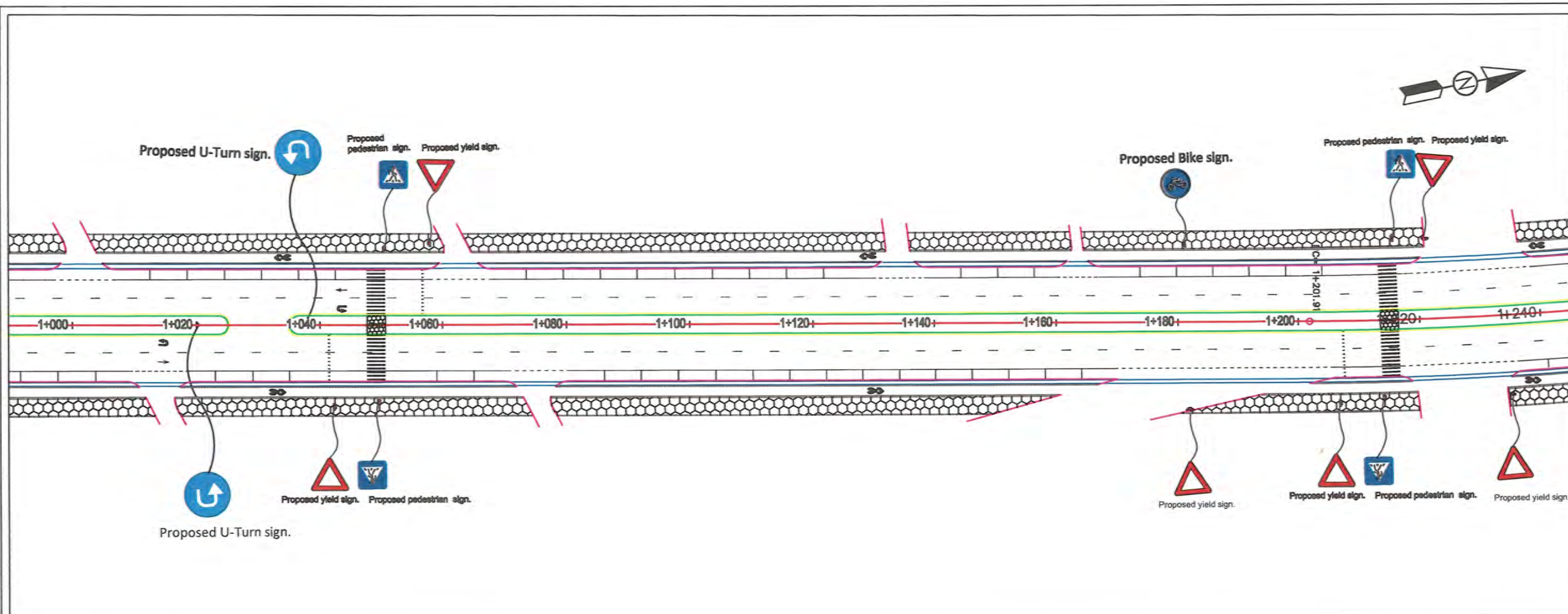
Date: 1445/5/19

Status: FINAL DESIGN

Project Code

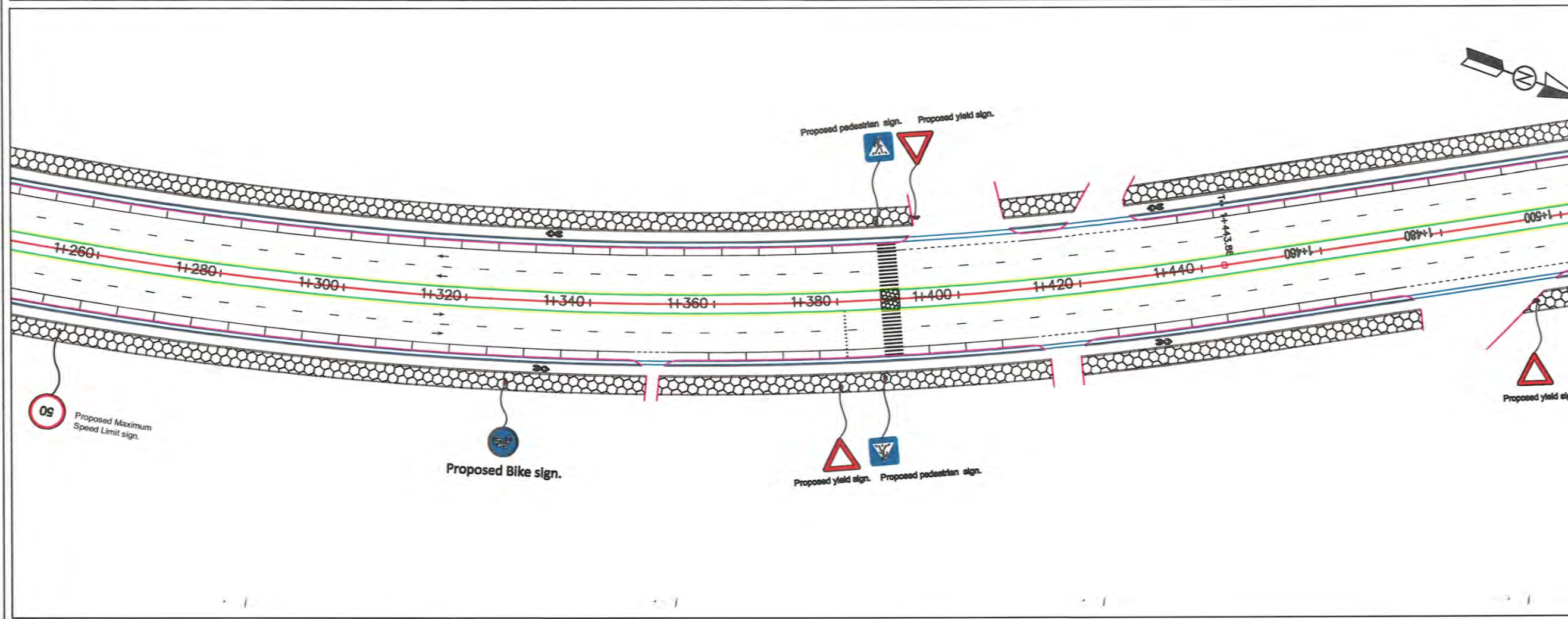
Drawing Number 02

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

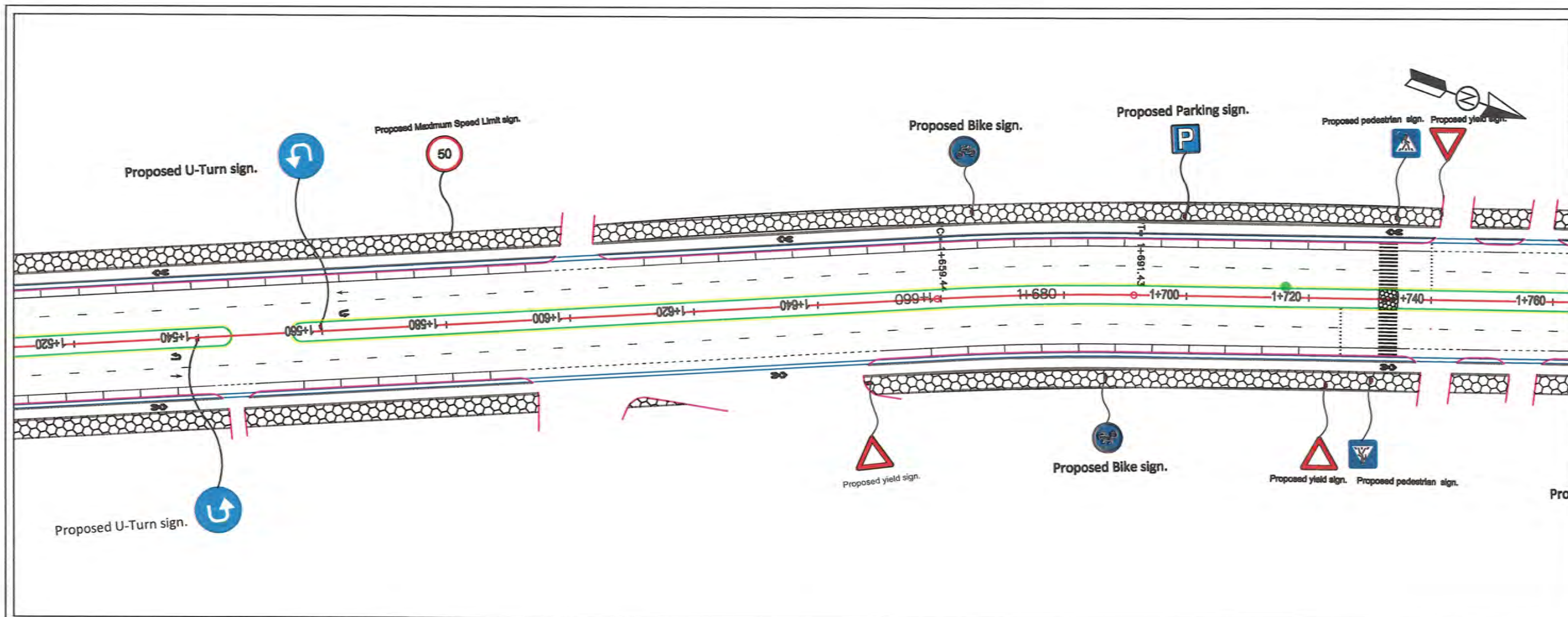
Project Name:
The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:
Road Marking Section

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

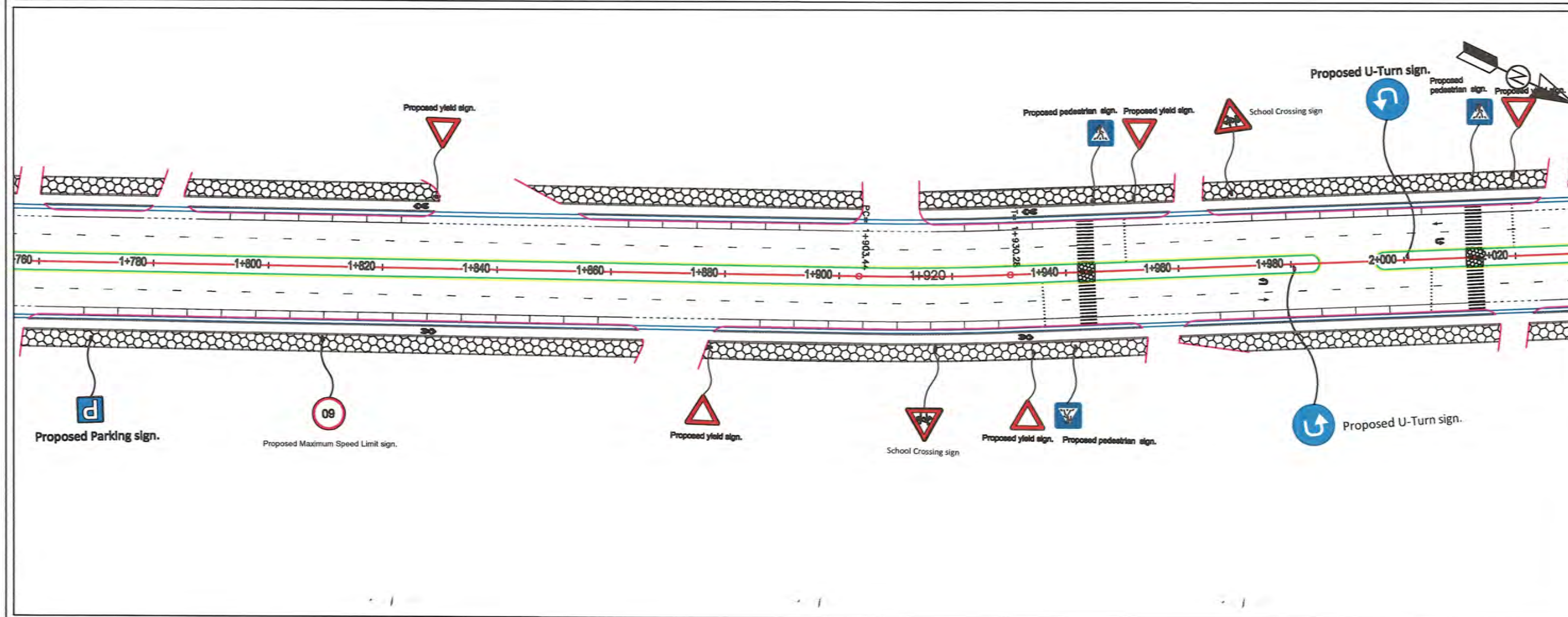
Date: 1446/5/19
Status: FINAL DESIGN

Project Code
Drawing Number: 03
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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Section

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafullah Stoman

Checked:

Shamsullah Najafi

Date:

1446/5/19

Status:

FINAL DESIGN

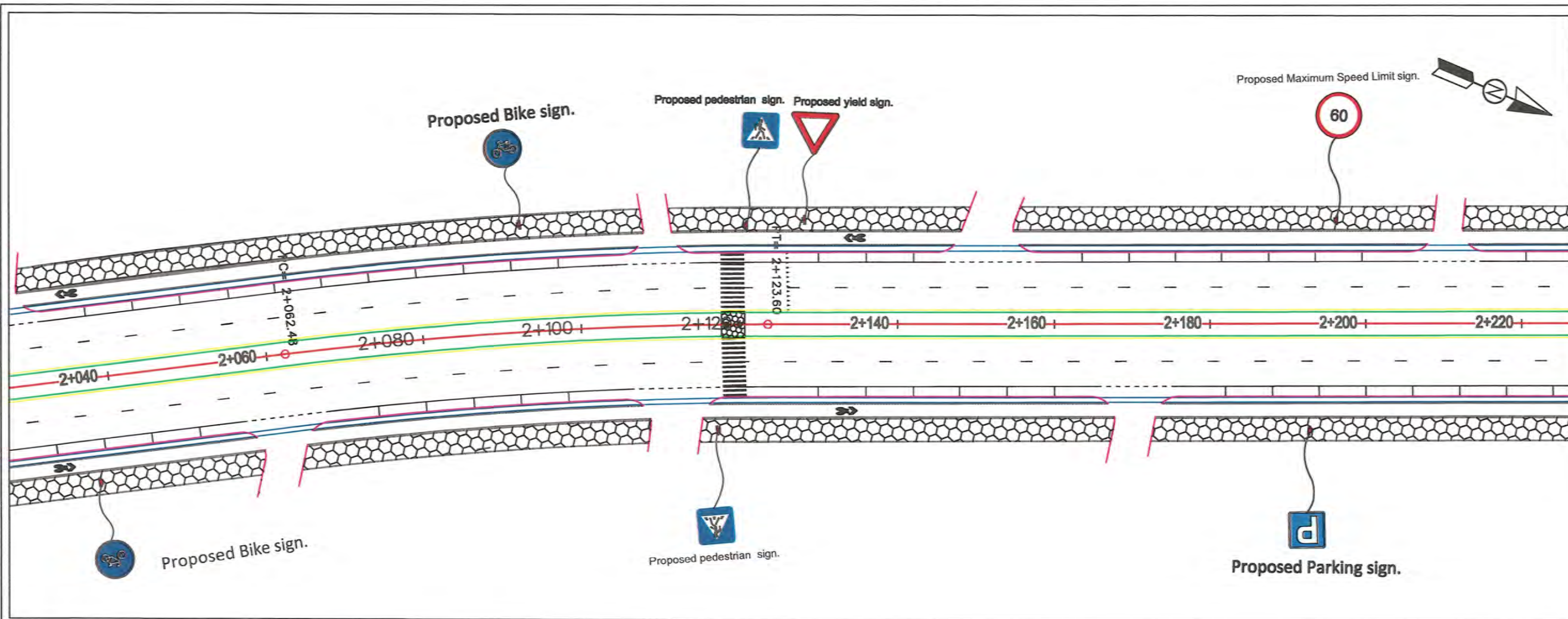
Project Code

Drawing Number

04

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.

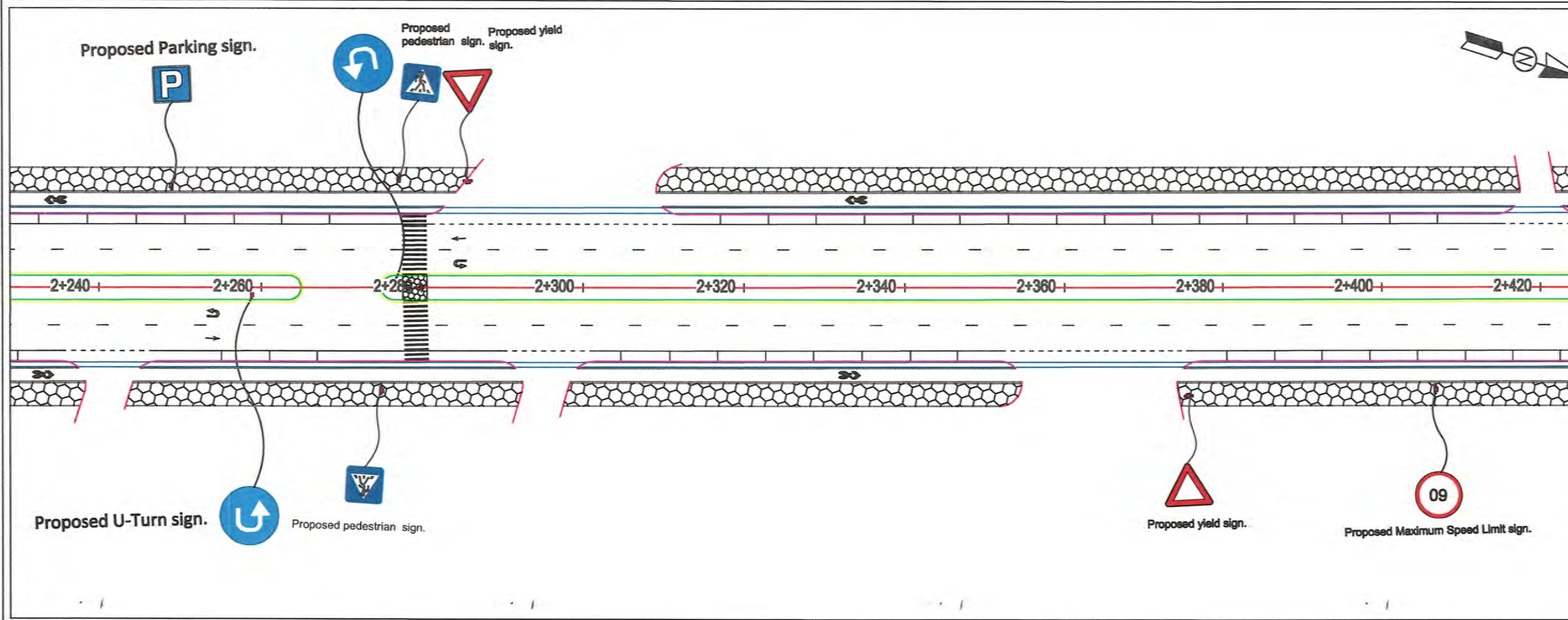
Curb stone.

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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Section

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafiuallah Stoman

Checked:

Shamsullah Najafi

Date:

1446/5/19

Status: FINAL DESIGN

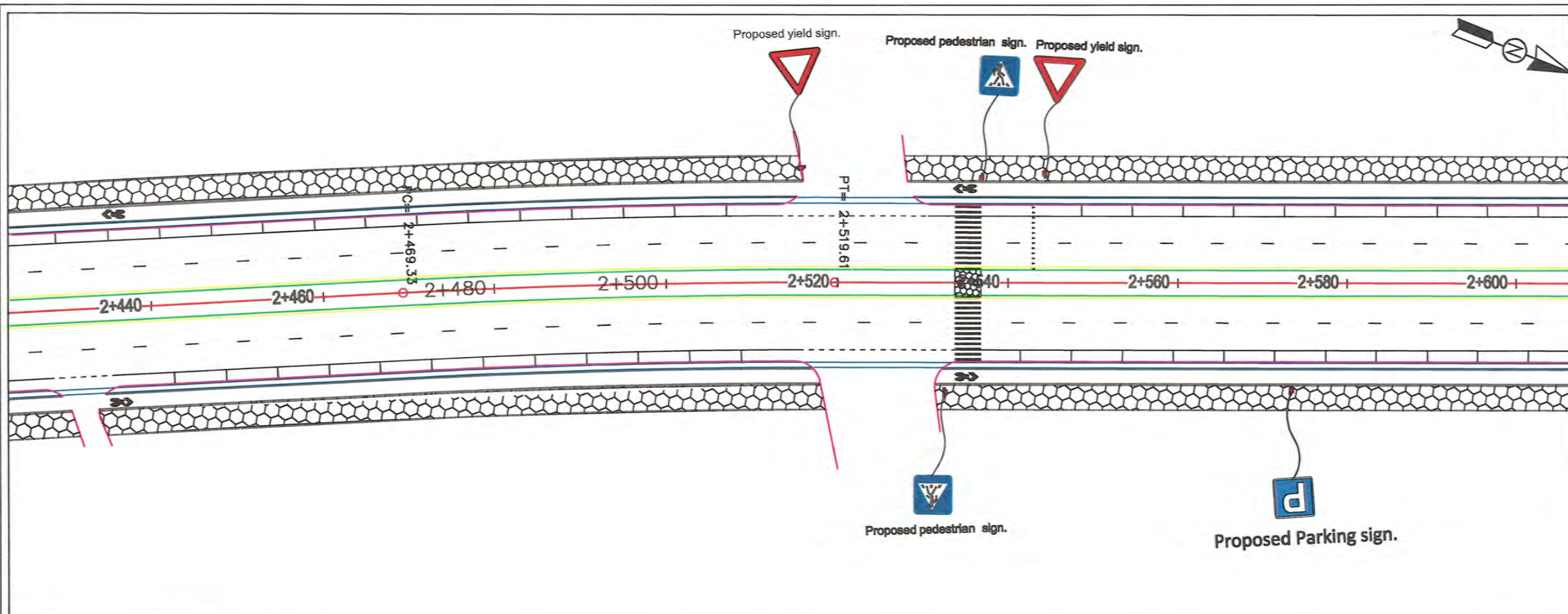
Project Code

Drawing Number

05

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.

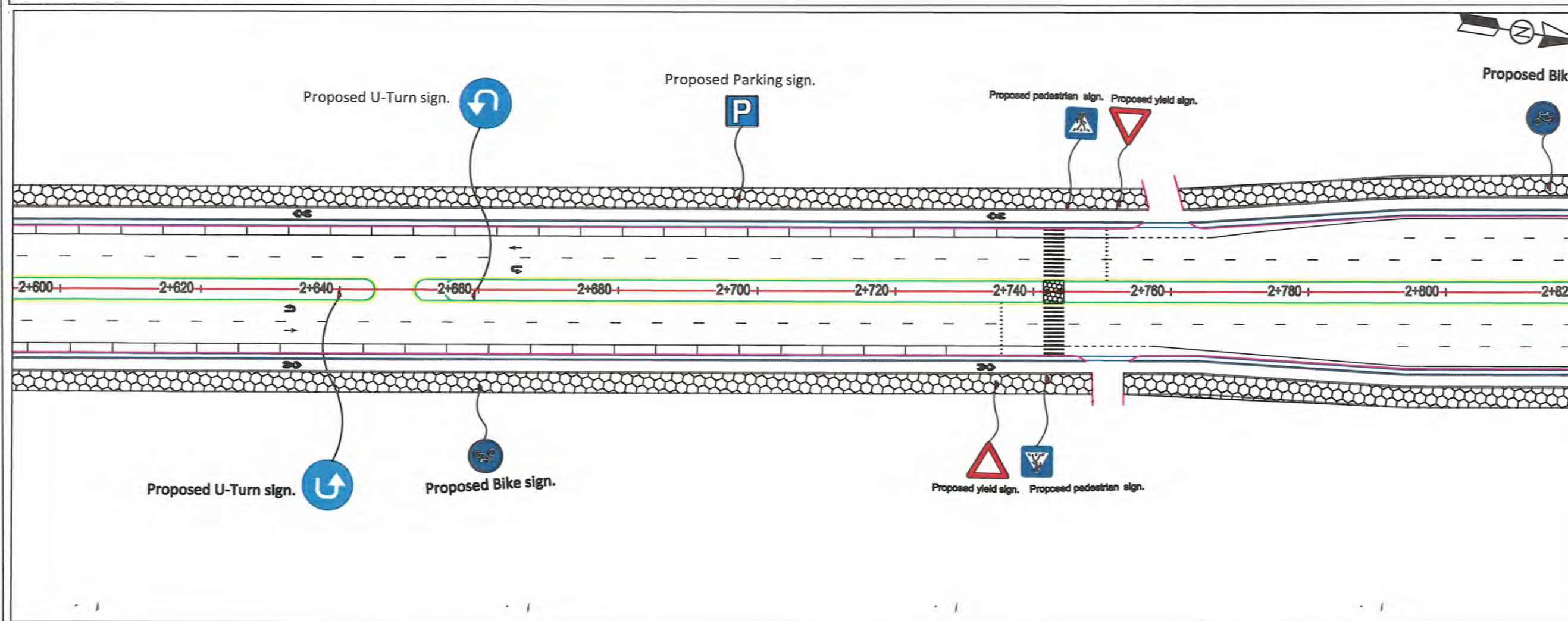
Curb stone.

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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Section

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafullah Stoman

Checked:

Shamsullah Najafi

Date:

1445/5/19

Status:

FINAL DESIGN

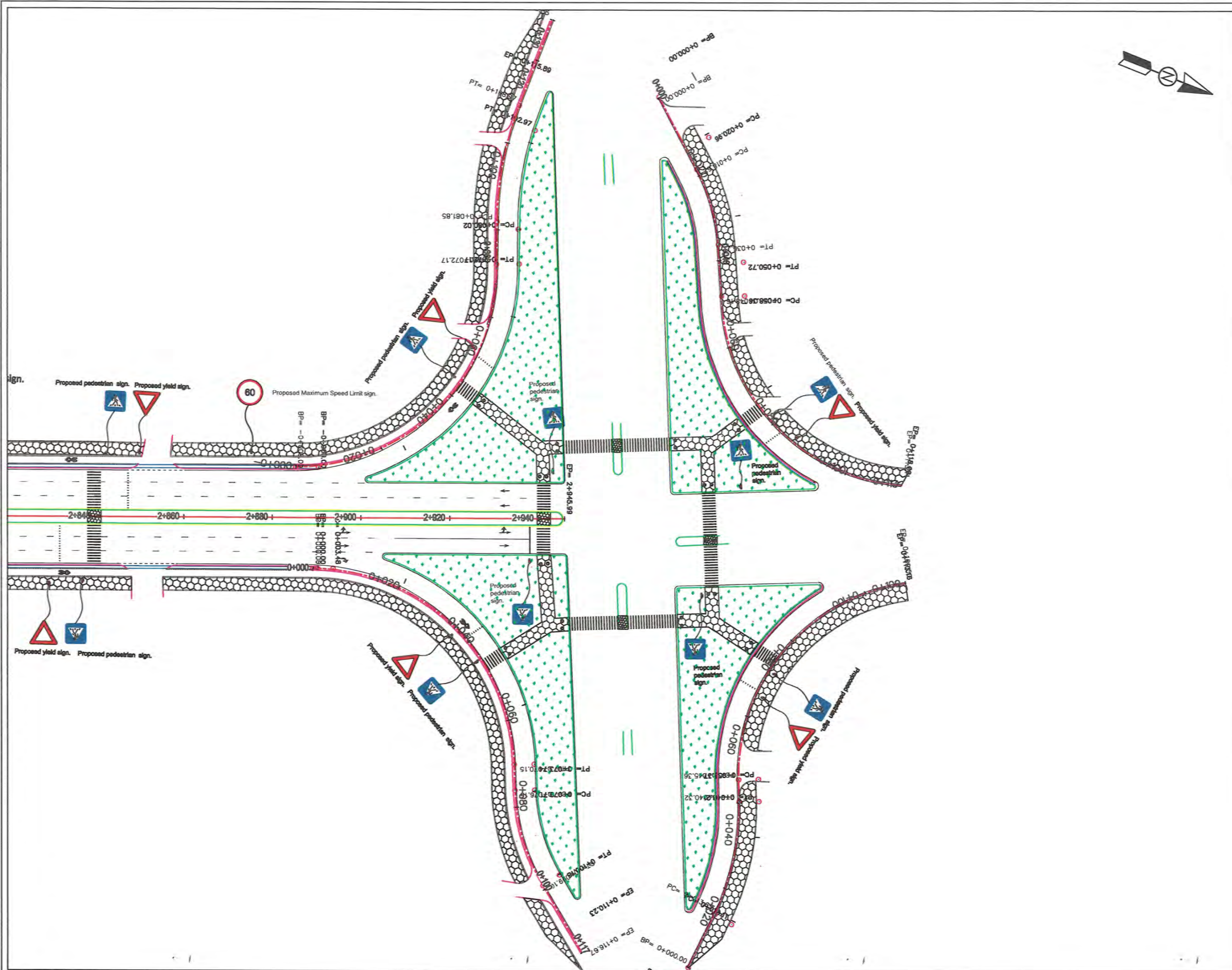
Project Code

Drawing Number

06

Revision

01



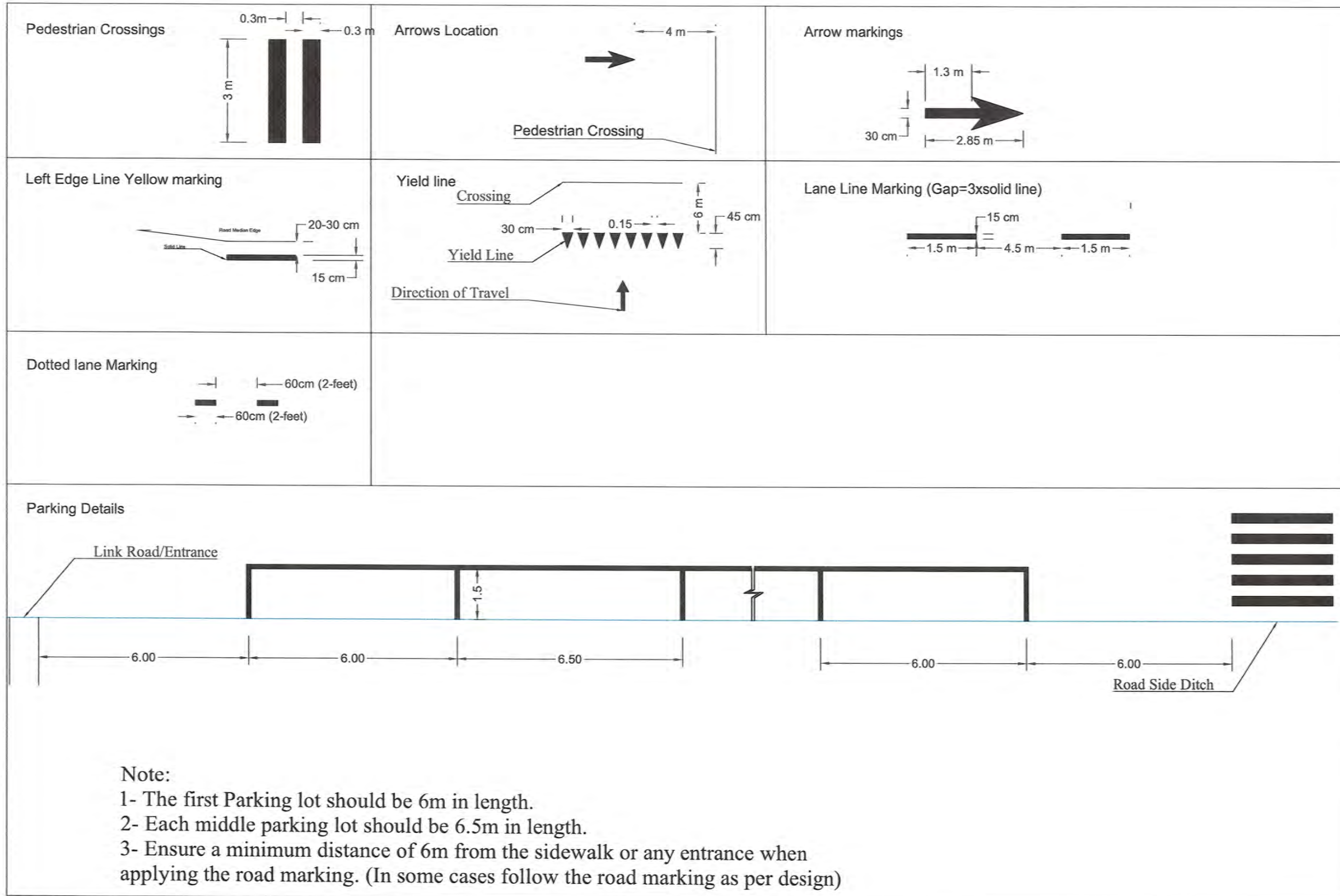
NOTE:
- All dimensions are in meter unless mentioned.

- LEGEND:
- 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:					
The Road from nakhas Road Connecting to Omid-e-Sabz Township Square					
Drawing Title:					
Road Marking Section					
Drawn/Designed:			Signature:		
M.Ishaq Rajae					
Checked:			Signature:		
Shafiqullah Stoman					
Checked:			Signature:		
Shamsullah Najafi					
Date:			Scale:		
1445/5/19					
Status:					
FINAL DESIGN					
Project Code:					
Drawing Number			Revision		
07			01		

TYPICAL DETAIL OF MARKINGS



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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Road Marking Details

Drawn/Designed: M. Ishaq Rajae

Checked: Shafiuallah Stoman

Checked: Shamsullah Najafi

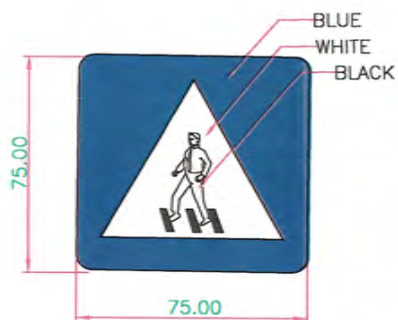
Date: 1466/5/19

Status: FINAL DESIGN

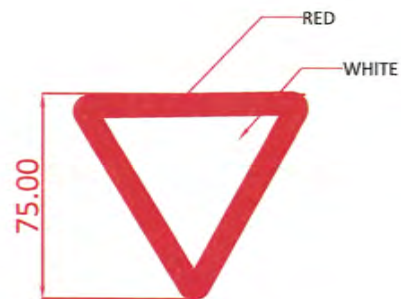
Project Code

Drawing Number / Revision

08 / 01



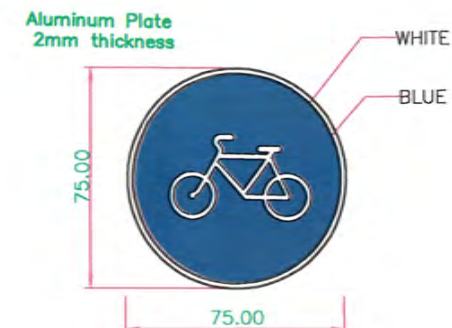
PEDESTRIAN CROSSING SIGN



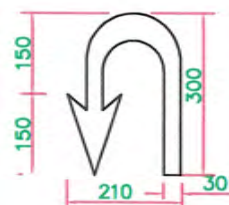
YIELD SIGN



PARKING SIGN



BIKEWAY SIGN



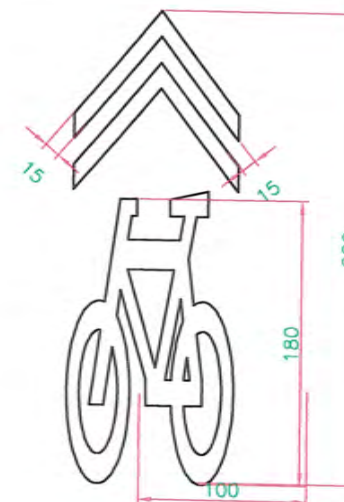
ARROW MARKING FOR U-turn TRAFFIC LANE (WHITE)



U-Turn SIGN



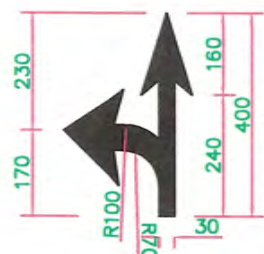
SPEED LIMIT SIGN



Bikeway road marking install should be every 100m.



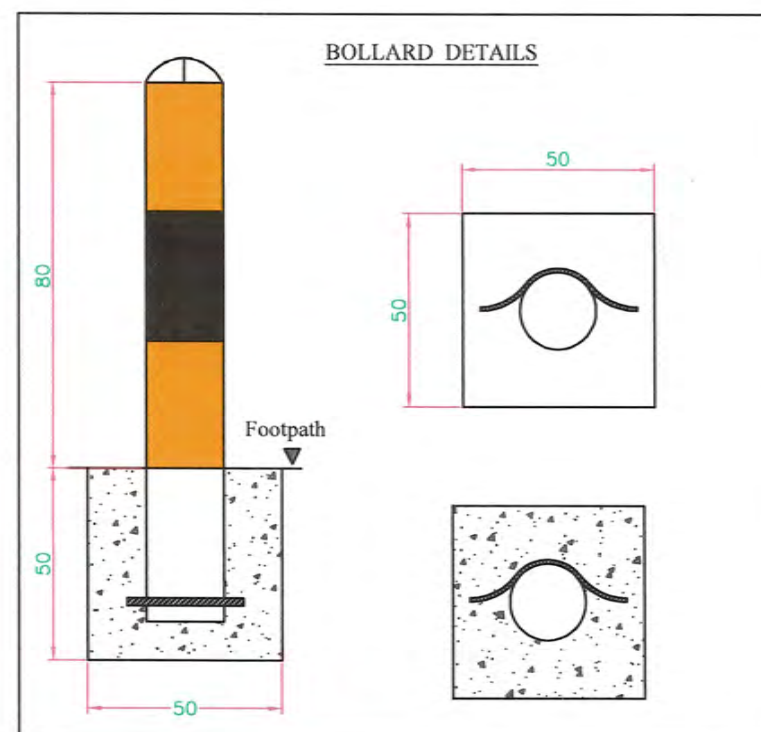
ARROW MARKING FOR RIGHT TURN LANE (WHITE)



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



All of installed curb stone should be painted



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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Traffic Sign Details

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafullah Stoman

Checked:

Shamsullah Najafi

Date:

1446/5/19

Status:

FINAL DESIGN

Project Code

Drawing Number

09

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.

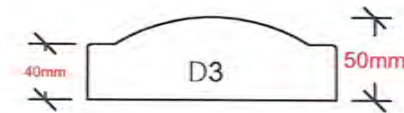
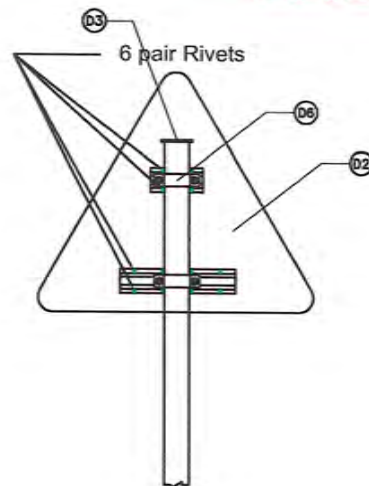
D7: Galvanized U-channel thickness 2mm or weight-2lbs/ft

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

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

D10: Fillet R5mm.

D11: Fillet R30mm.



Inside diameter 60mm.
Outside diameter 65mm.

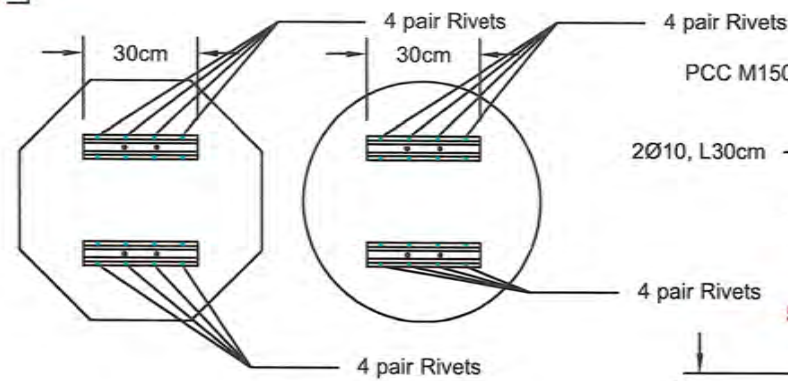
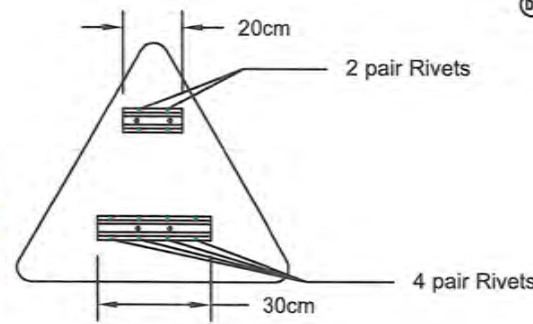
C/C 94mm

hole $\varnothing 12\text{mm}$

D7: Galvanized U-Channel

31mm

38mm
82mm



4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

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4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

4 pair Rivets

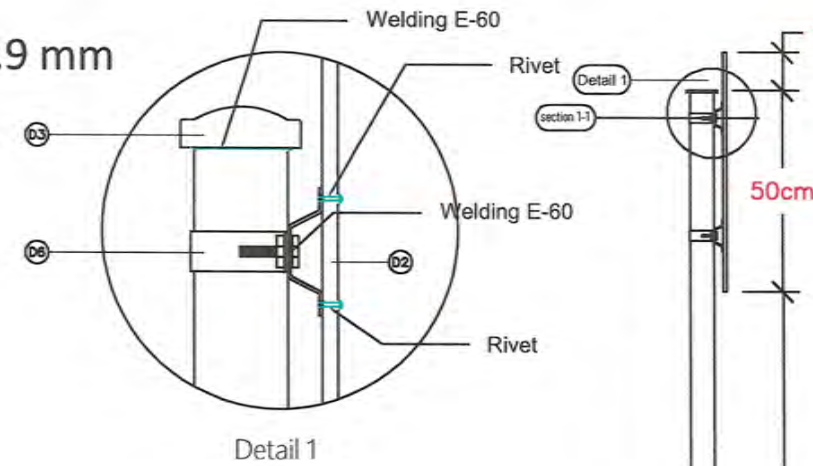
4 pair Rivets

4 pair Rivets

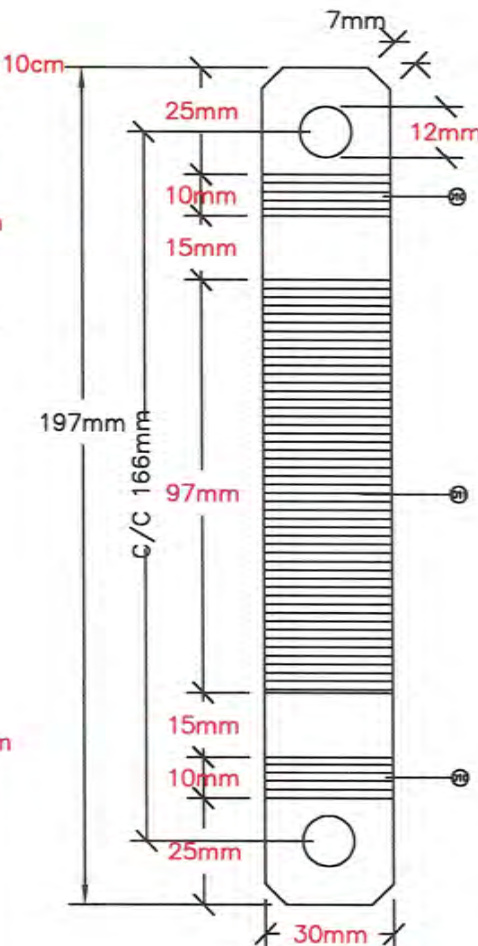
4 pair Rivets

4 pair Rivets

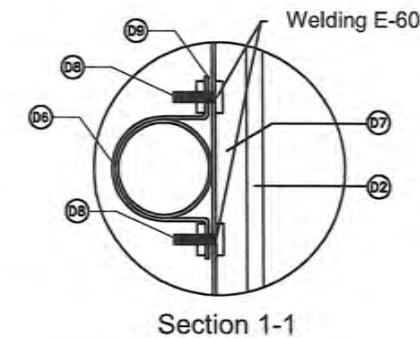
4 pair Rivets



Detail 1



D6



Section 1-1

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:

The Road from nakhas Road Connecting to Omid-e-Sabz Township Square

Drawing Title:

Traffic Sign Details

Drawn/Designed:

M. Ishaq Rajae

Checked:

Shafullah Stoman

Checked:

Shamsullah Najafi

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Signature:

Date:

1445/5/15

Status:

FINAL DESIGN

Project Code

Drawing Number

10

Revision

01



STREET LIGHTING SECTION

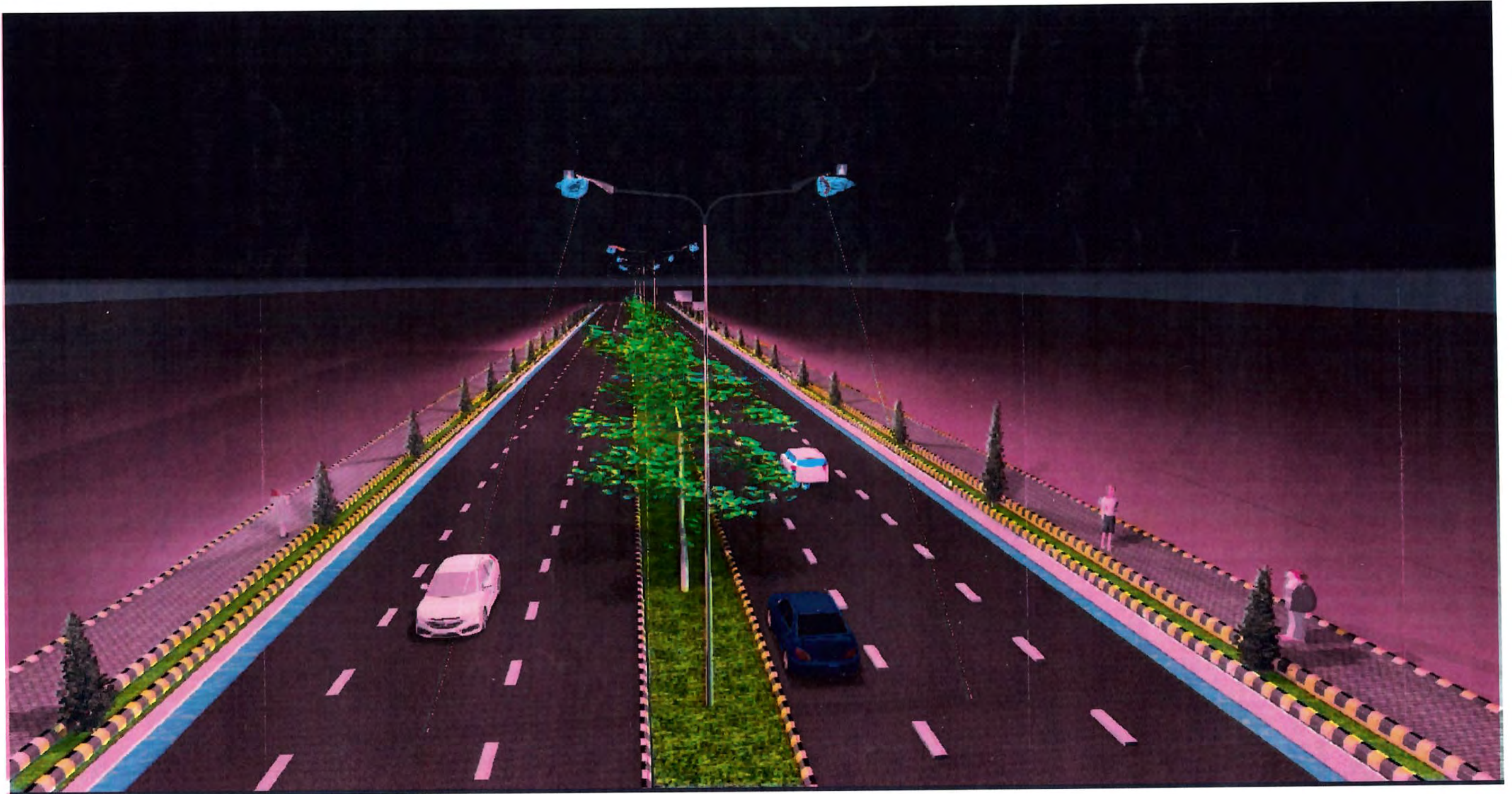


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02 OF 22	TABLE OF CONTENT	
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03 OF 22	ELECTRIC LIGHT LAYOUT PLAN 1/5	
04 OF 22	ELECTRIC LIGHT LAYOUT PLAN 2/5	
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	ELECTRIC POLE DETAILS	
08 OF 22	DETAILS FOR ELECTRIC POLES	
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NOTE:



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:
the road from Nahhas Road connection to Omid -> Subz
Township Square

Drawing Title:

Drawn: Jamshidha Nazari

Signature:

Designed: Jamshidha Nazari

Signature:

Checked by:
Hasbullah Shalizi

Signature:

Approved by:

Signature:

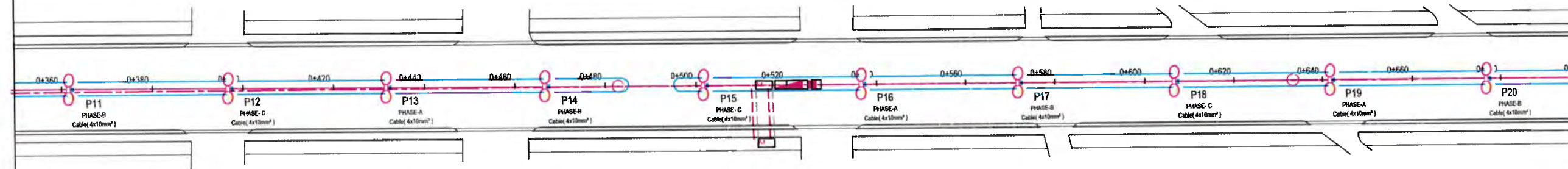
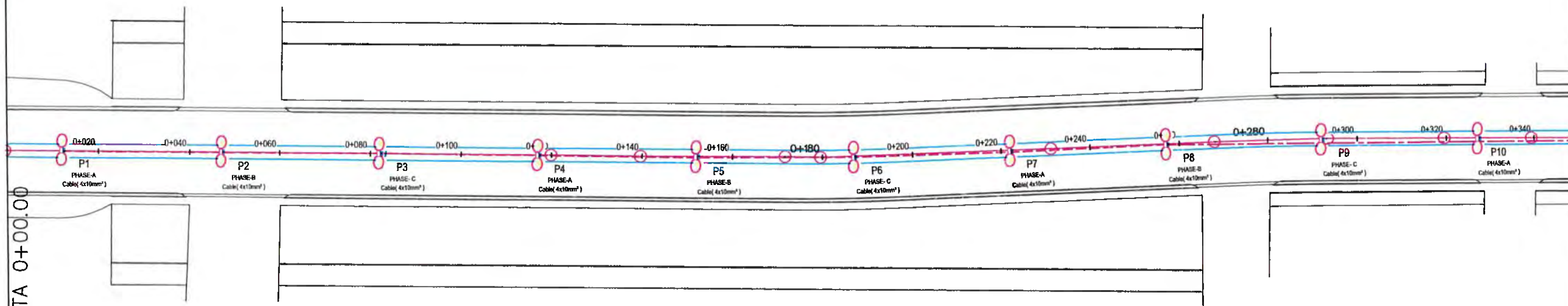
Date: 5 November 2024

Status: FINEL DESIGN

Project Code

SHEET T - C -01	PAGE NO 01	REVISION 01
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STA 0+00.00



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

LEGEND

- Double pole street light
- single pole street light
- 4x8mm² Conduit & Conductor
- 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:
the road from Nakhas Road connection to Omid -> Setz
Township Square

Drawing Title:

Lighting - Plane

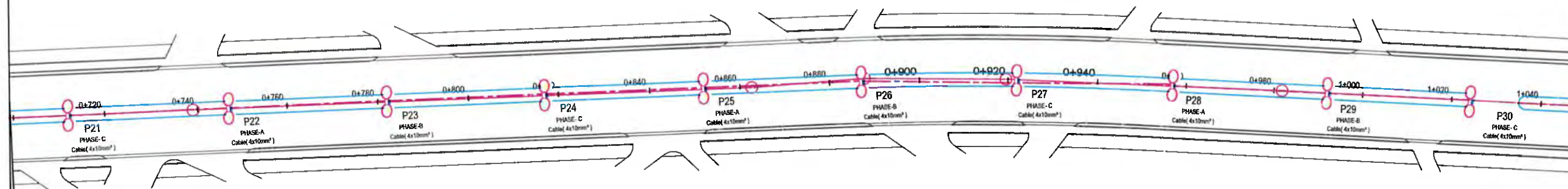
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Design: Jamshullah Nazari	Signature:
Checked: Hassibullah Shalizi	Signature:

Date: 1446/5/3 Scale: 1:1000

Status: FINAL DESIGN

Project Code

SHEET NO: L-P-1	Revision 01
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NOTE:
 1-All cables to be used for street lighting shall be XPLE PVC type
 2-the conduit crossing under the carriageway shall have at least 1200mm cover from the road surface.
 3-A galvanized or PVC coated pull wire shall be installed in all conduits.

LEGEND

- Duble pole street light
- single pole street light
- 4x8mm² Conduit & Conductor
- 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:
the road from Naktas Road connection to Omid-e-Saba Township Square

Drawing Title:

Lighting - Plane

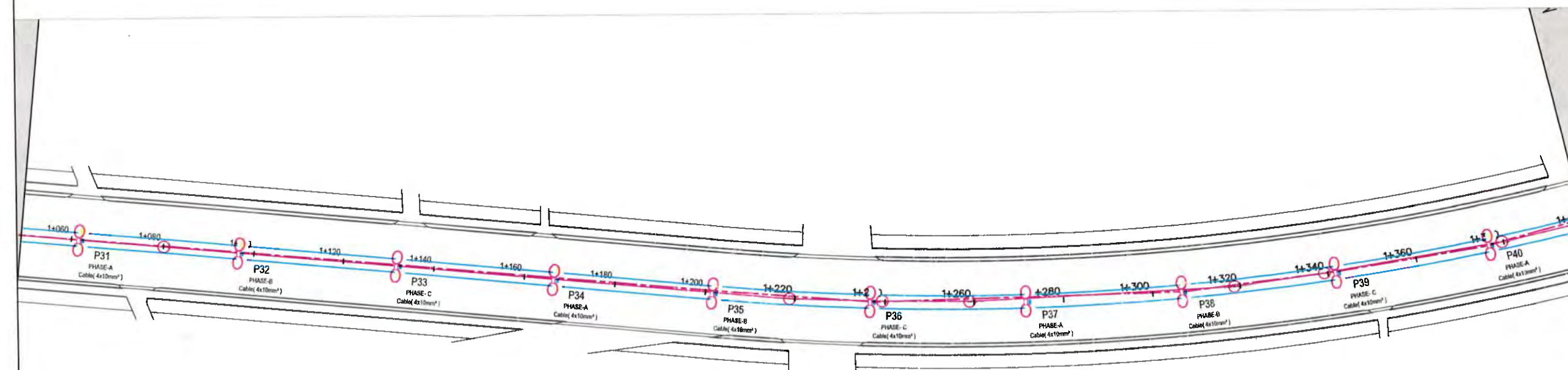
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Jamshid Nazari	
Designed:	Signature:
Jamshid Nazari	
Checked:	Signature:
Hasibullah Shalizi	

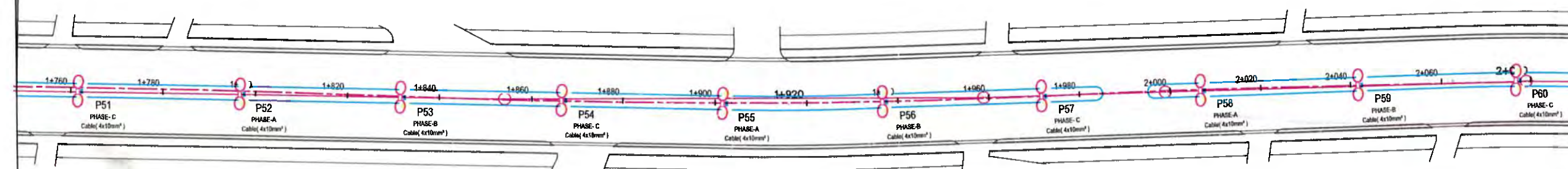
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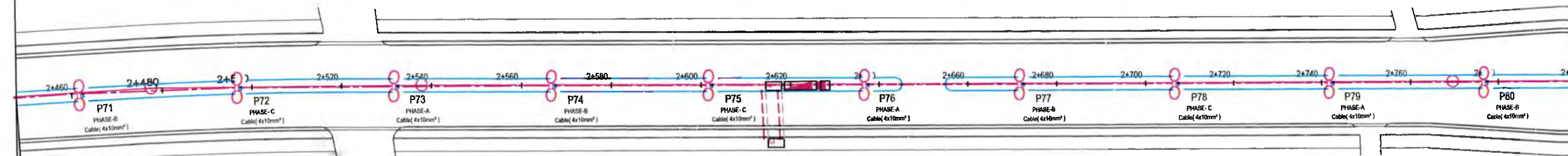
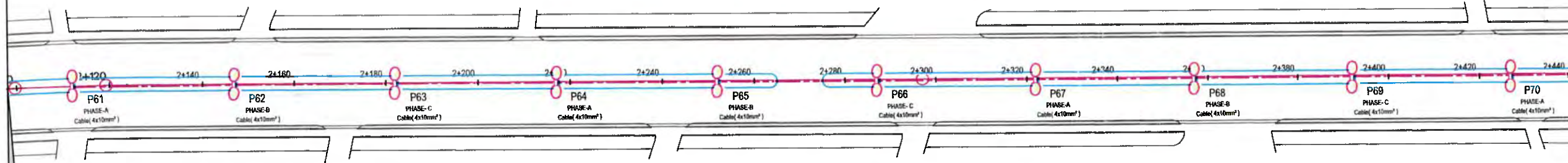
Status: FINAL DESIGN

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
- Double pole street light
 - single pole street light
 - 4x6mm² Conduit & Conductor
 - 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
 the road from Nokhas Road connection to Omid -o-Sabz
Township Square

Drawing Title:
 Lighting - Plane

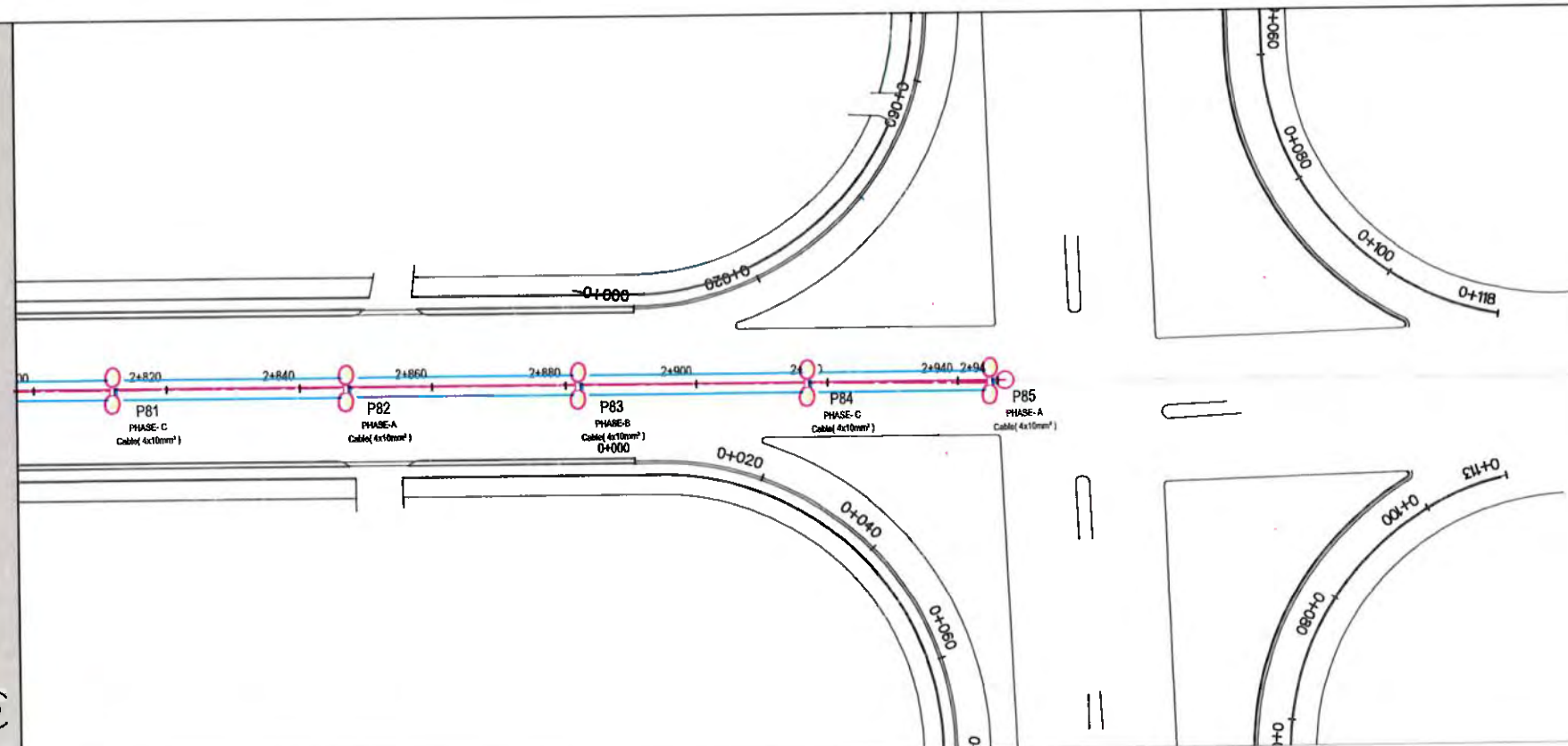
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Designed: Jamalullah Nazari	Signature:
Checked: Hamidullah Shalizi	Signature:
Checked:	Signature:

Date: 1446/5/3	Scale: 1:1000
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Status: FINAL DESIGN

Project Code

SHEET NO L-P-4	Revision 01
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NOTE:

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

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

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

LEGEND

Duble pole street light

single pole street light

4x6mm²Conduit & Conductor

~~4x10mm²Conduit & Conductor~~

Steel-Pipe Φ 50-mm — —

MANHOLE-ELE

MDP

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC REPUBLIC OF
AFGHANISTAN

Designed By:



Project Name:

the road from Nakhas Road connection to Omid -c-Sabz Township Square

Drawing Title:

Lighting - Plane

Drawn:
Jamalullah Nazari

Signature: _____

Designed;
Jamshullah Nazari

Signature: _____

Checked:
Hasibullah Shafizi

Signature _____

Checked: _____

Signature: _____

Date:

Scale: 1:1000

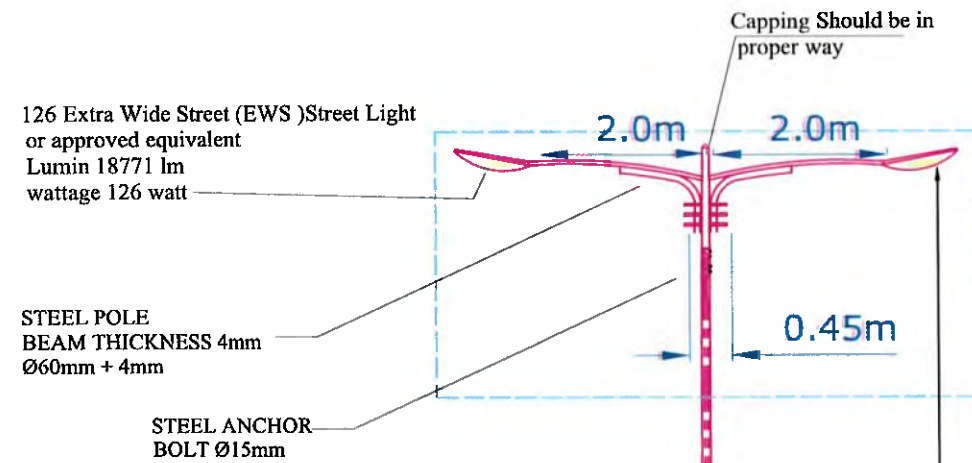
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L-P-5	01

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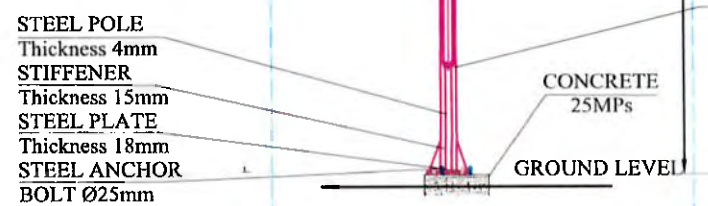
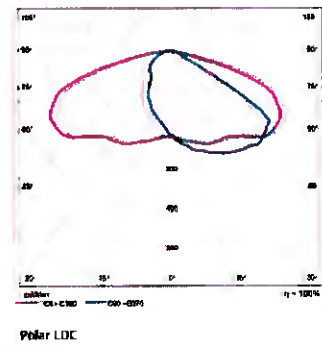
STREET LIGHTING POLE



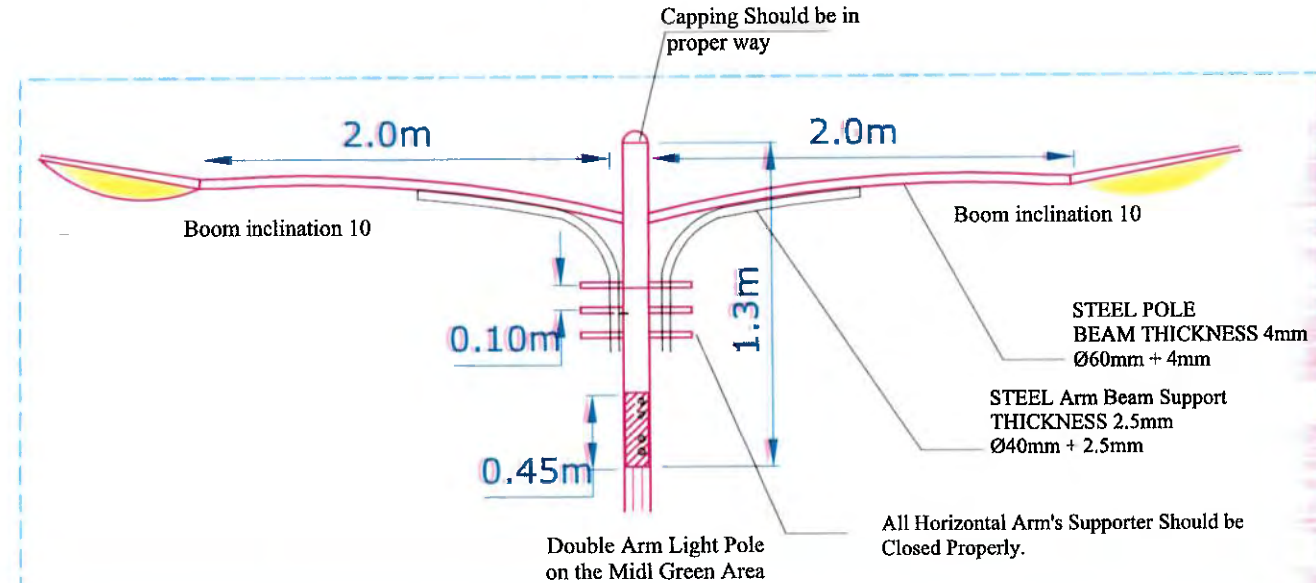
Thorn Lighting - R2L2 M 60L70 740 WR CL1 GY [STD]



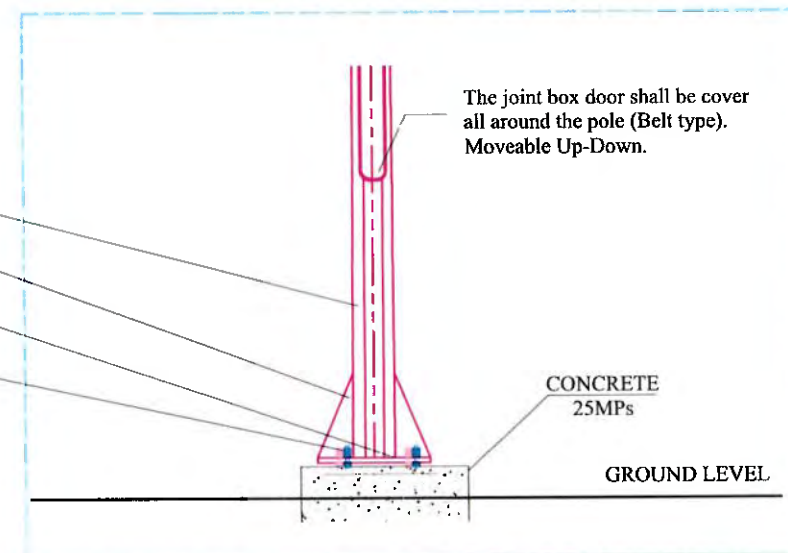
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P	126 L.W
Φ _{lum}	18771 lm
Φ _{lumare}	18771 lm
η _l	100.00 %
Luminous efficacy	149.0 lm/W
CCT	4000 K
CRI	70



Double Arm Street Light Pole at each 35m should be arranged on the middle green area



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



Double Arm Street Light pole at each 35m should be arranged on the Middle green area

NOTE:
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
the road from Nakhas Road connection to Qmal -e-Sabz Township Square

Drawing Title:
Street Lighting Details

Drawn: Jamolulha Nazari
Designed: Jamolulha Nazari
Checked by: Habibullah Shalizi
Approved by:

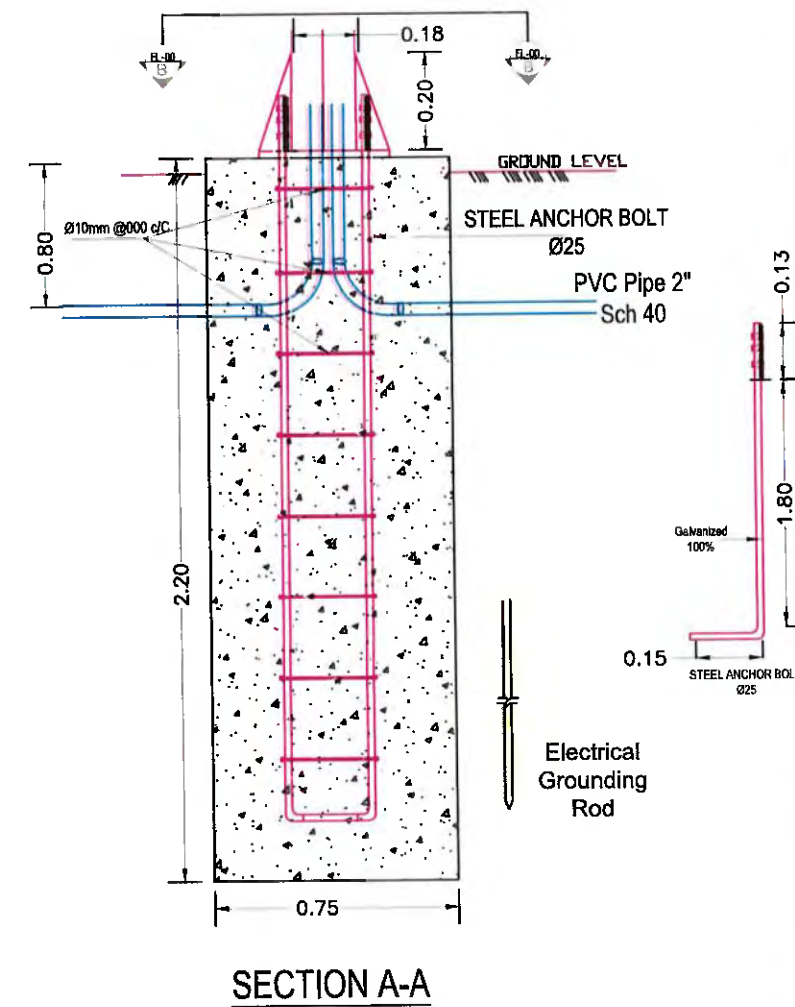
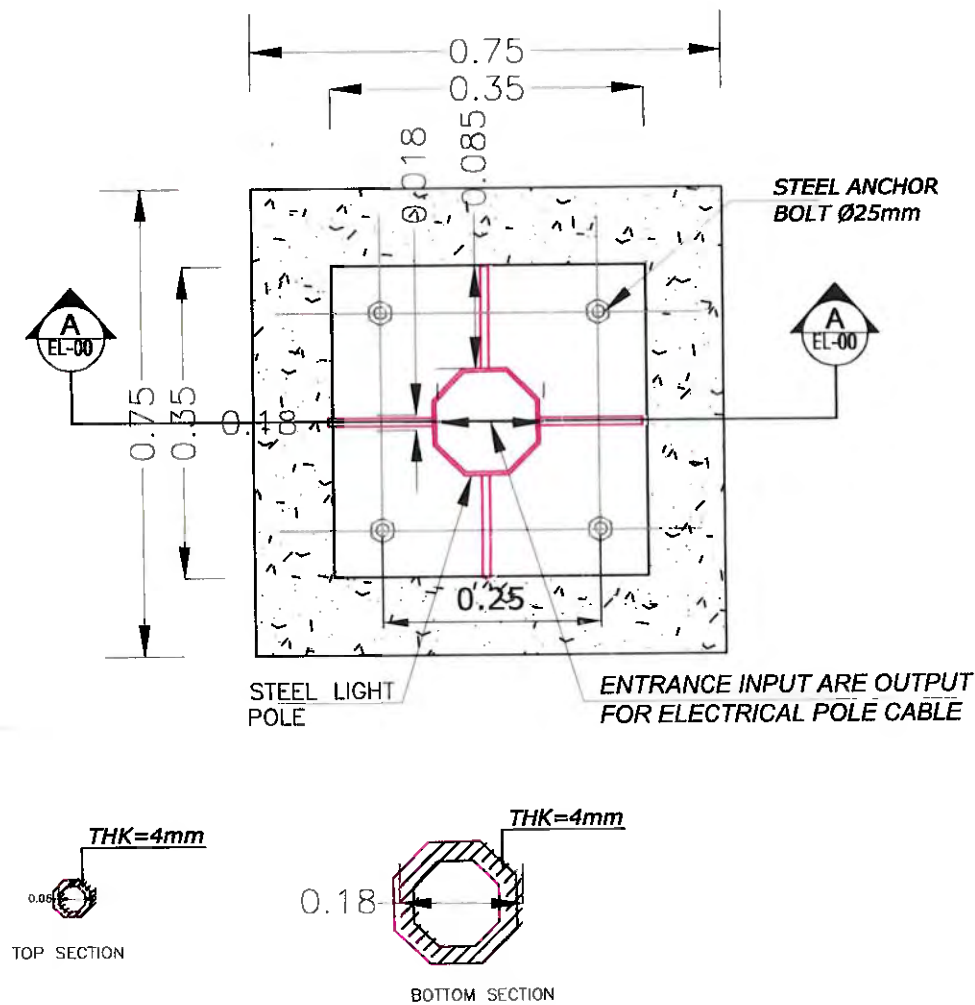
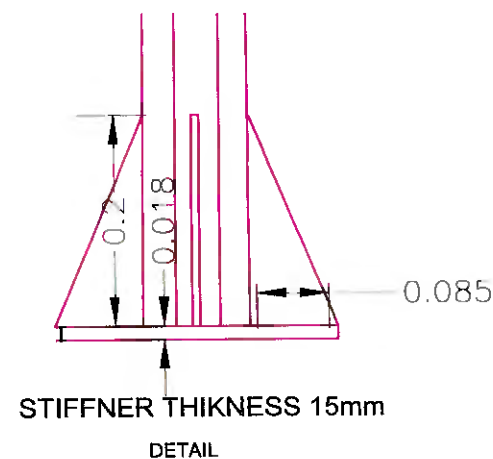
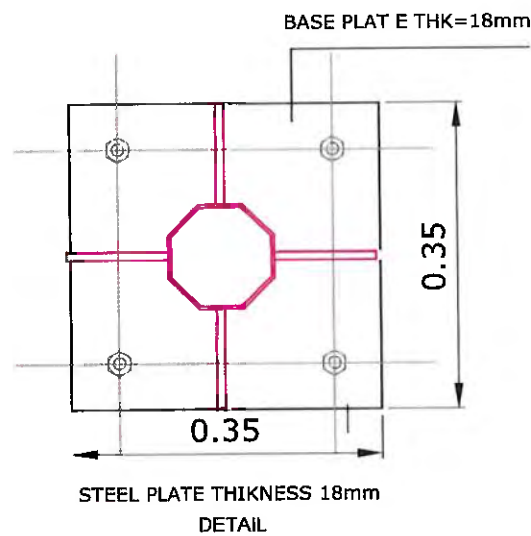
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Signature:

Date: 6 November 2024

Status: FINAL DESIGN

Project Code:

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



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
the road from Nakhla Road connection to Omid -e-Sabz Township Square

Drawing Title:
Street Lighting Details

Drawn: Jamshid Nazari

Designed: Jamshid Nazari

Checked by: Haidullah Shalizi

Signature:

Signature:

Signature:

Signature:

Date: 5 November 2024

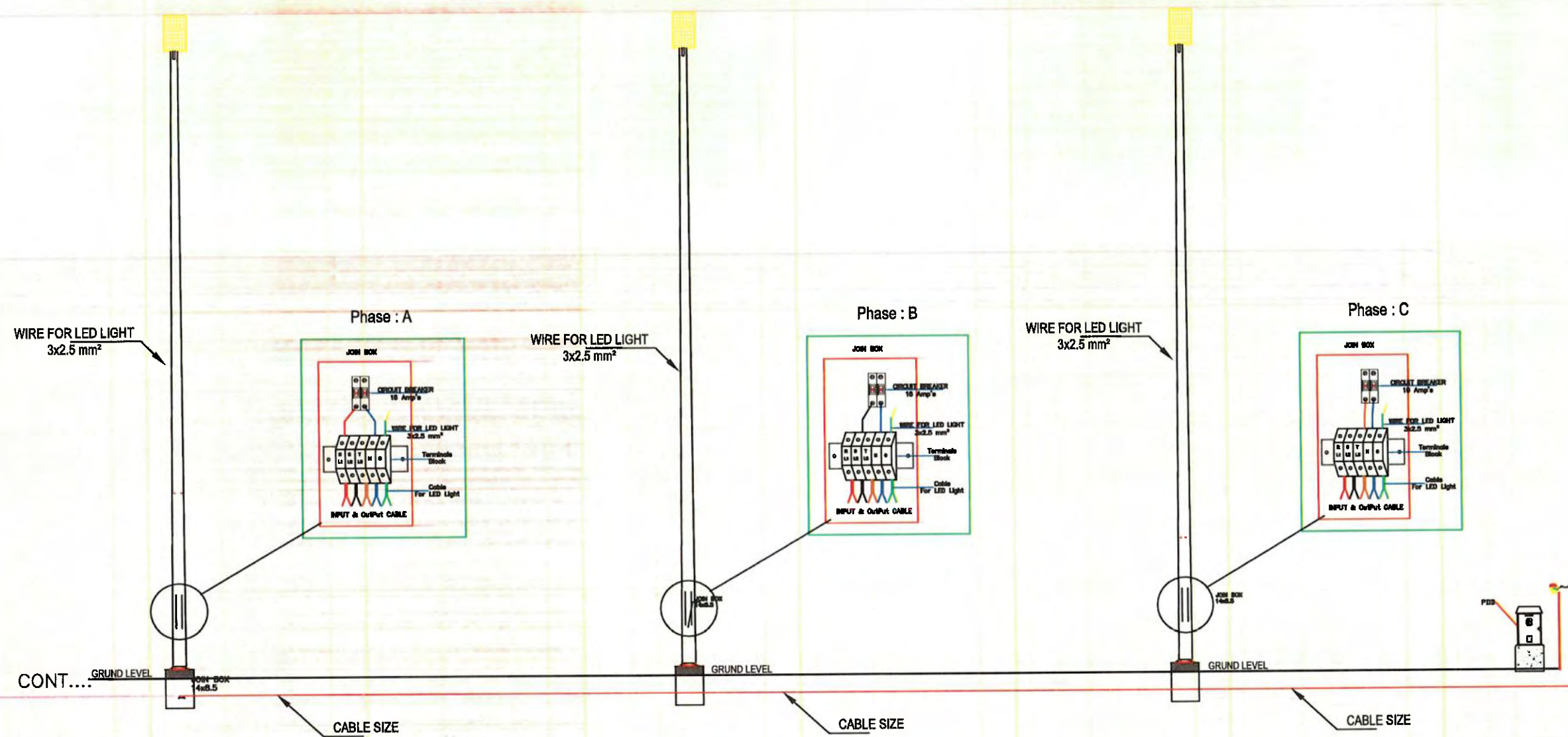
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Project Code:

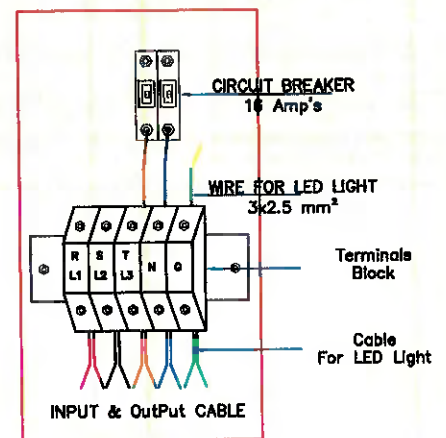
SHEET	PAGE NO	REVISION
S-I-D-02	01	01

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

Light Pole Location	Pole Length	Base Plate Size	Base Plate Thickness	Top Diameter	Bottom Diameter	Sheet Thickness of pole	Foundation Depth
	mm	mm	mm	mm	mm	mm	mm
Middle Green Area	12000	350	18	60	180	4	2200



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



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



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

the road from Nakhas Road connection to Omid -> Sabz
Township Square

Drawing Title:

Street Lighting Details

Drawn: Jamahulla Nazari

Signature:

Designed:
Jamahulla Nazari

Signature:

Checked by:
Hasibullah Shalizi

Signature:

Signature:

Approved by:

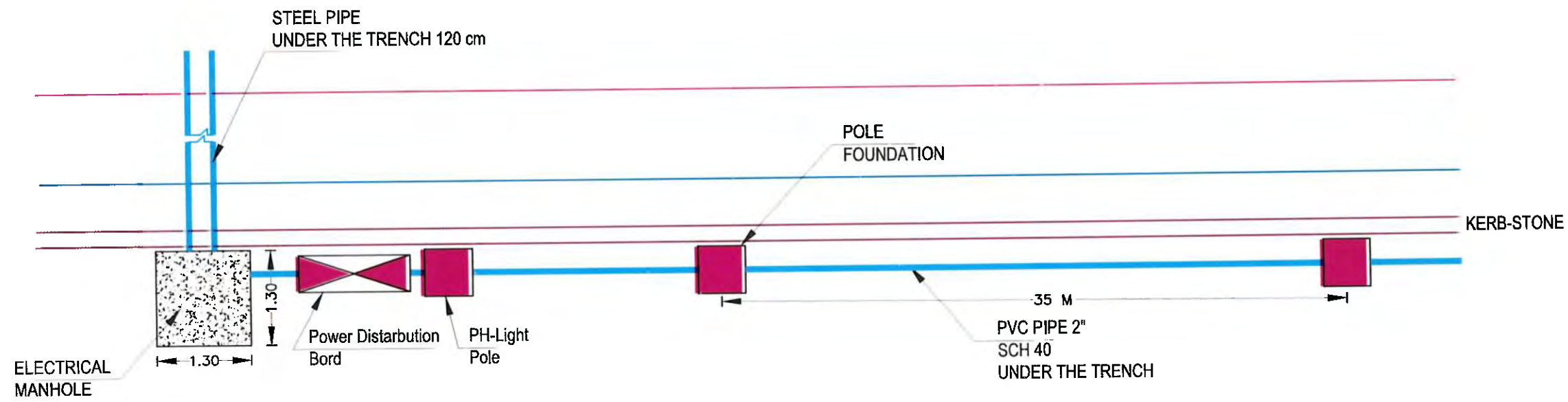
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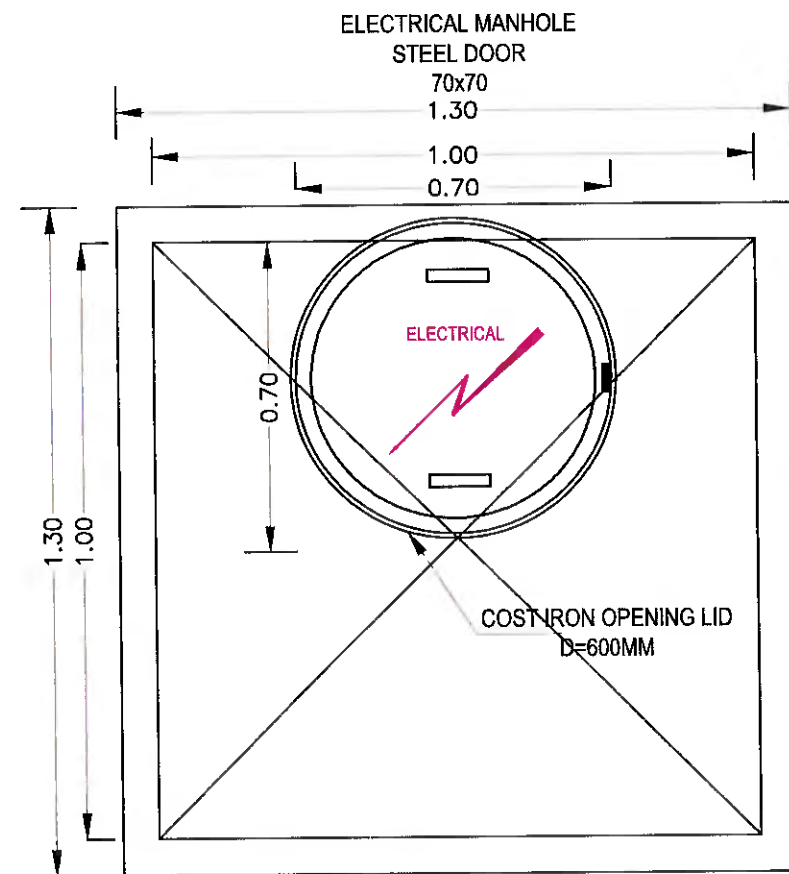
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Status: FINEL
DESIGN

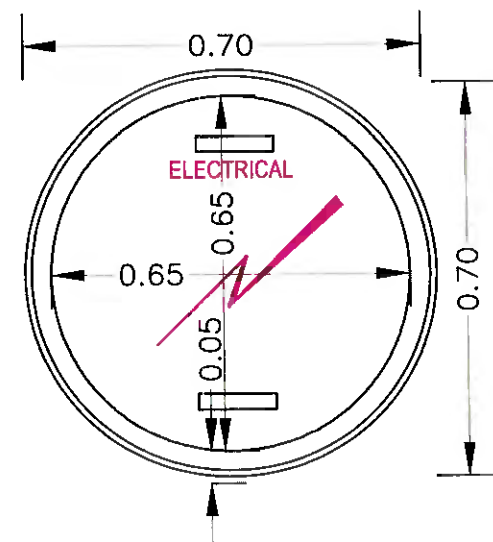
Project Code

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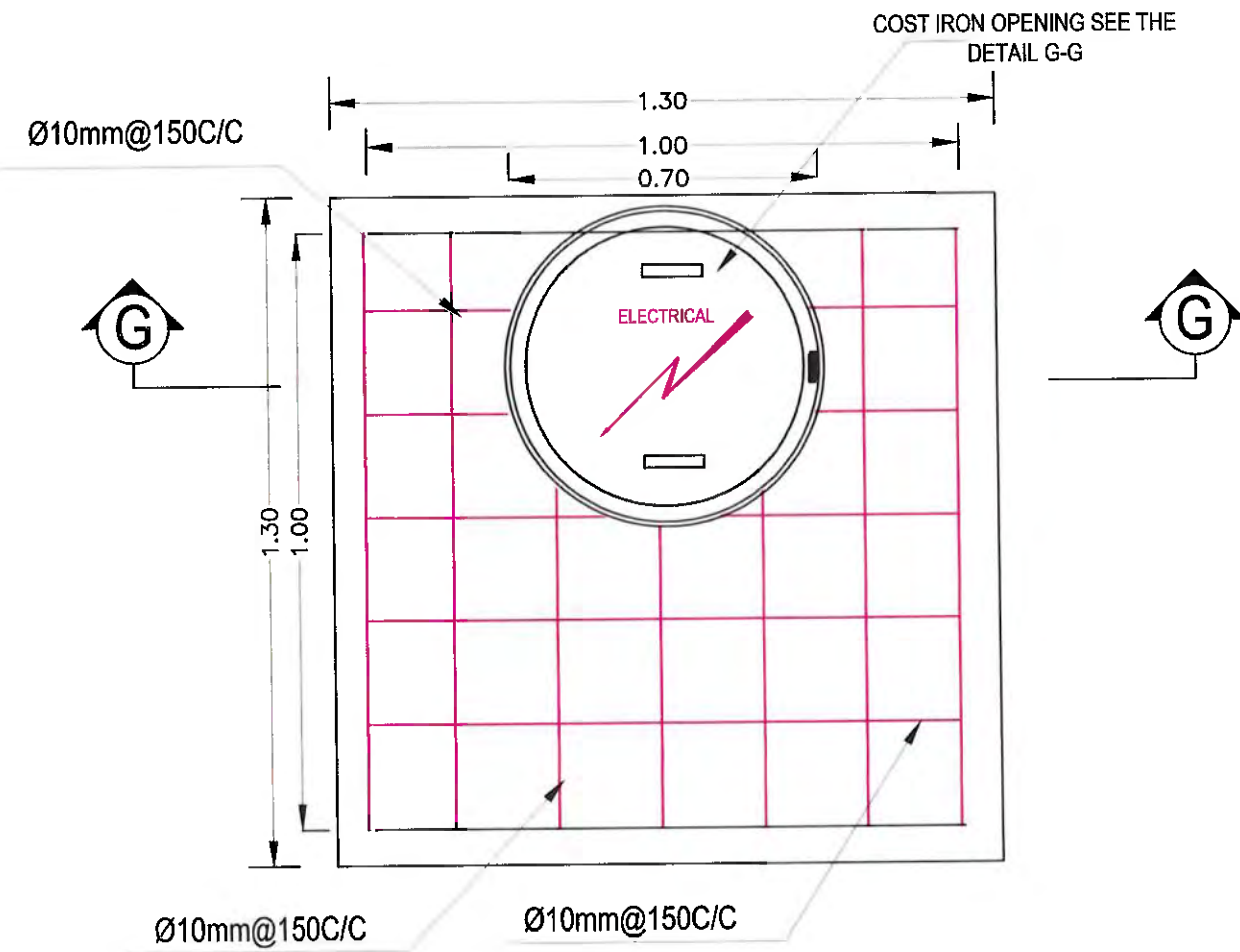




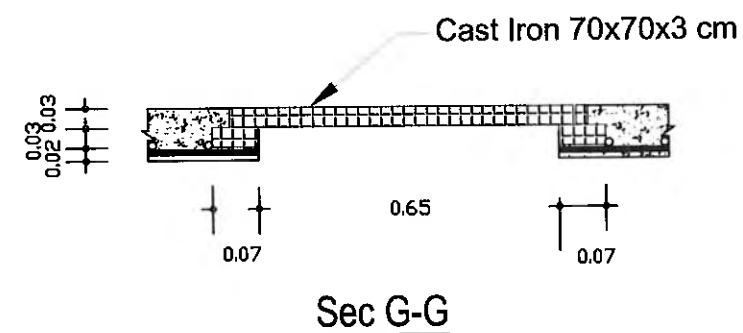
MANHOLE OPENING PLAN



Manhole opening Plan 70x70



STEEL BAR PLAN



Sec G-G

NOTE:



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

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

the road from Nakhus Road connection to Omid -> Sabz Township Square

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulla Nazari

Signature:

Designed: Jamolulla Nazari

Signature:

Checked by: Hasibullah Shalizi

Signature:

Signature:

Signature:

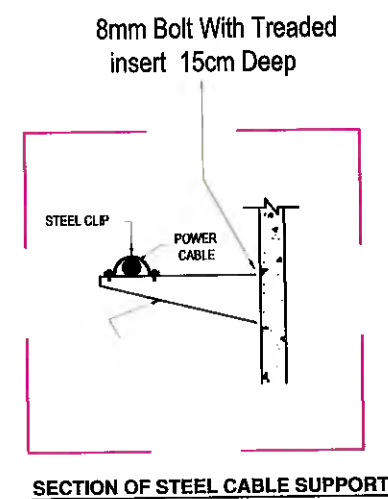
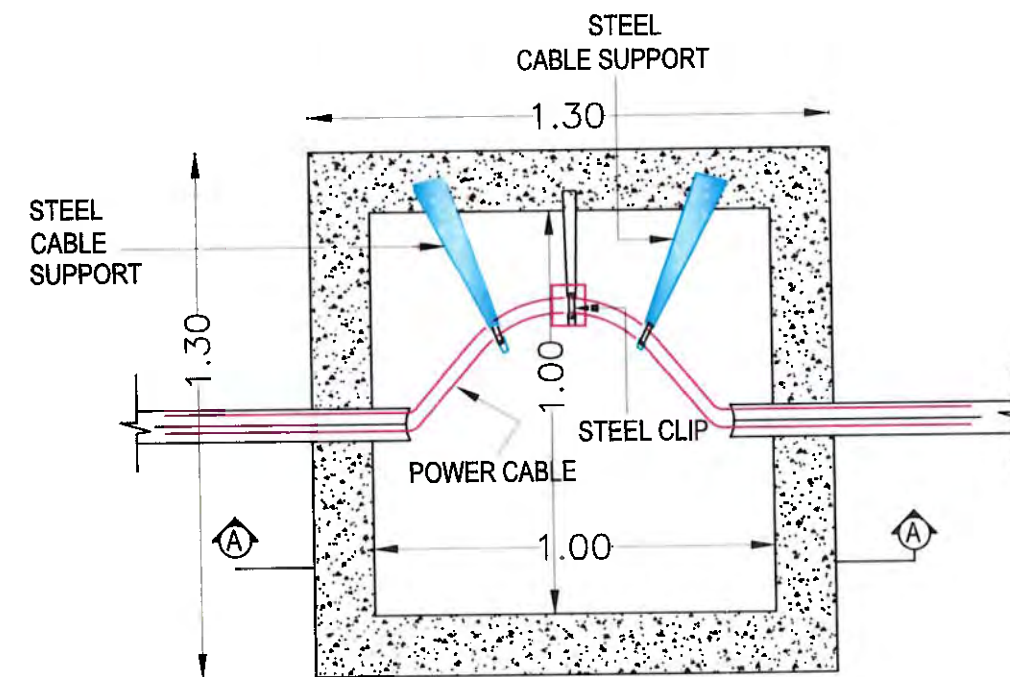
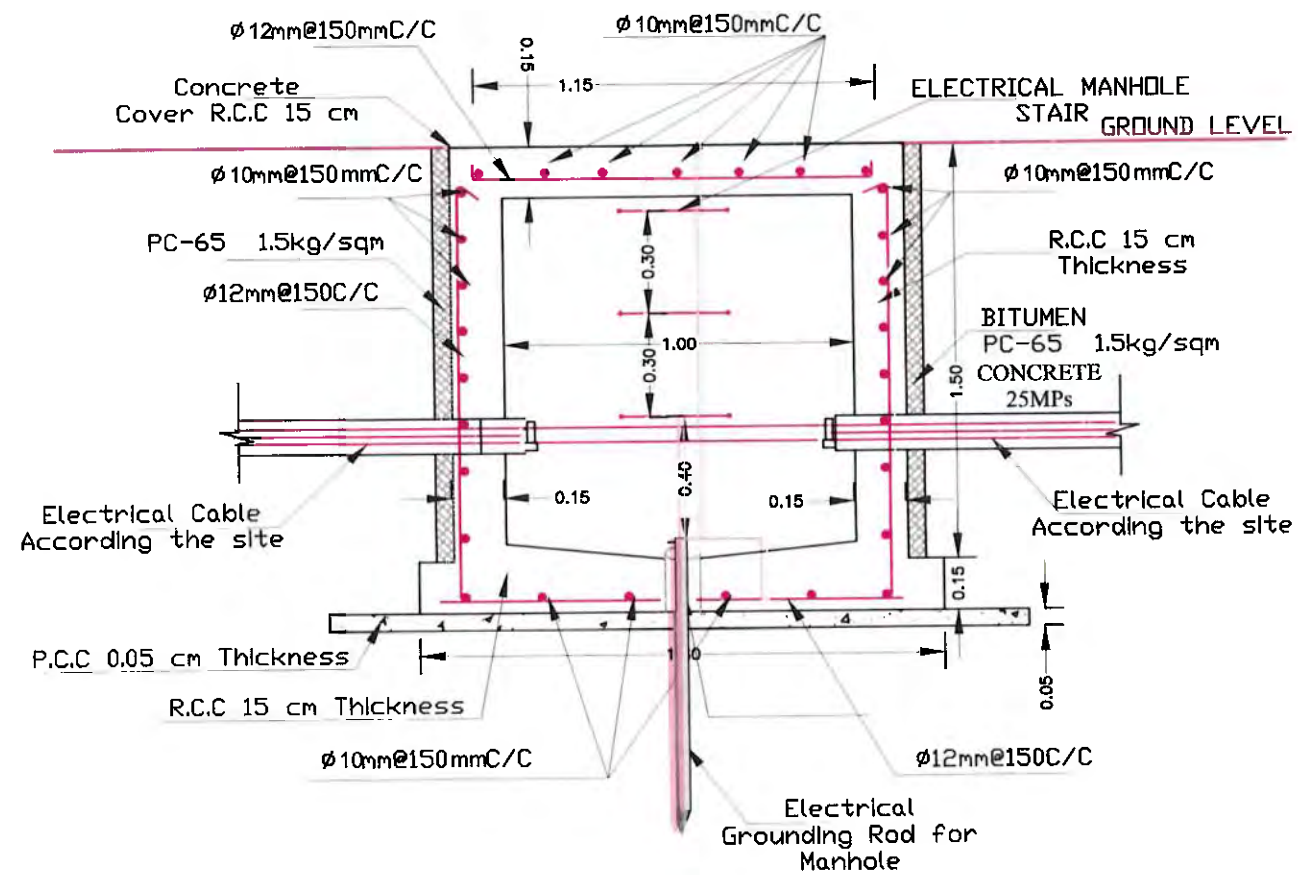
Date: 5 November 2024

Status:

FINEL DESIGN

Project Code

SHIFT	PAGE NO	REVISION
E-M-H-01	01	01



SECTION OF STEEL CABLE SUPPORT

NOTE:



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

the road from Nakhas Road connection to Omid -> Sahz
Township Square

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulha Nazari

Signature:

Designed:
Jamolulha Nazari

Signature:

Checked by:
Hasbulah Shalizi

Signature:

Signature:

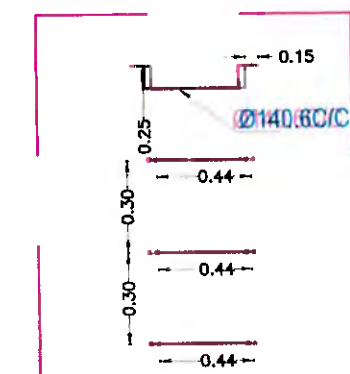
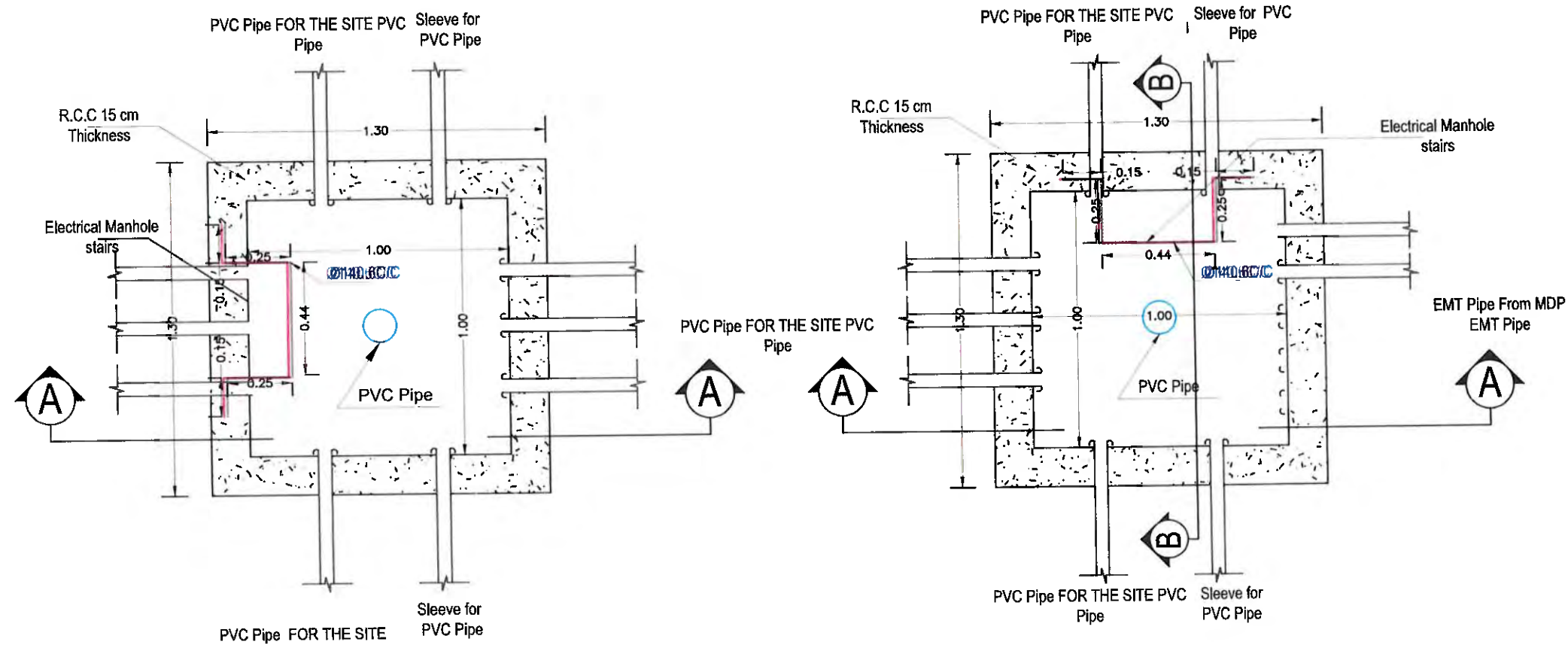
Signature:

Date: 5 November 2024

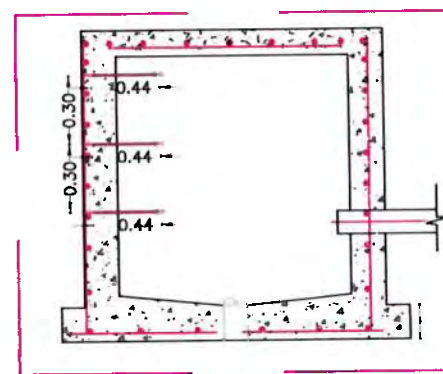
Status: FINEL
DESIGN

Project Code

SHEET	PAGE NO	REVISION
E-M-H-02	01	01



ELECTRICAL MANHOLE STAIRS DETAIL



MANHOLE-B-SECTION

NOTE:



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

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

the road from Naklas Road connection to Omid -e-Salz
Township Square

Drawing Title:

ELECTRICAL MANE HOLE

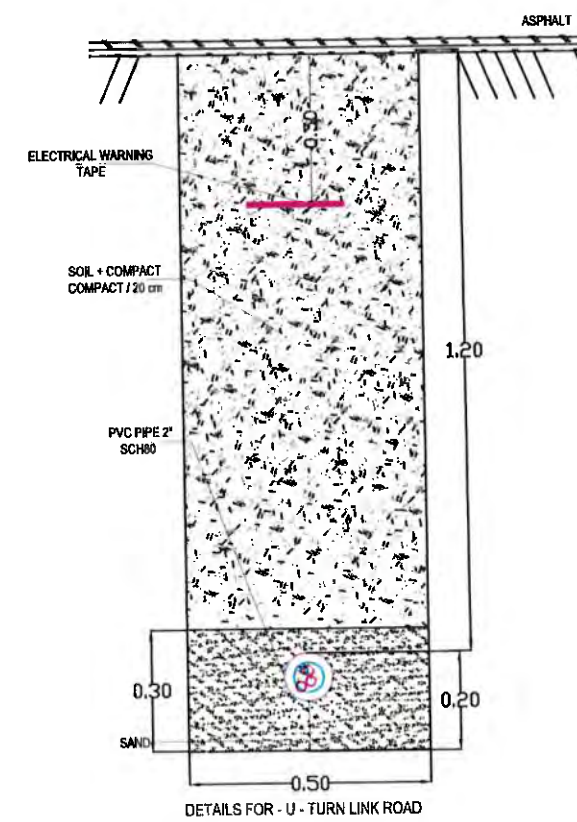
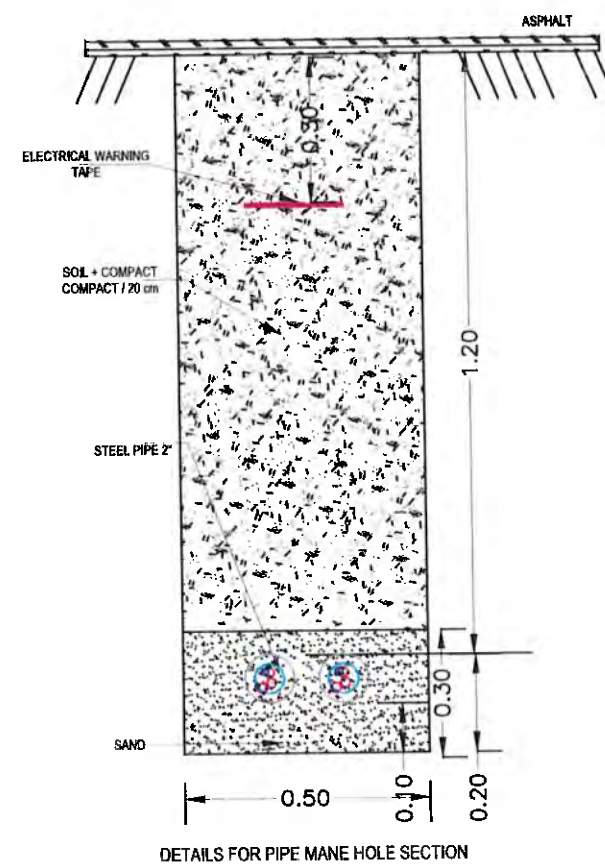
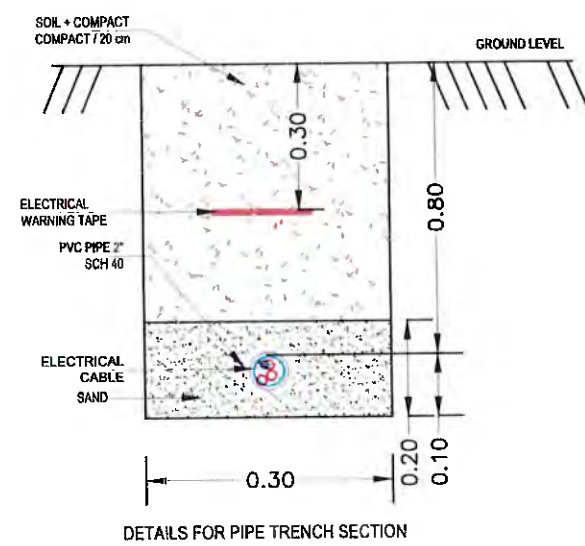
Drawn: Jamshidha Nazari	Signature:
Designed: Jamshidha Nazari	Signature:
Checked by: Hasebulah Shalizi	Signature:
Approved by:	Signature:

Date: 5 November 2024

Status: FINEL
DESIGN

Project Code:

SHRFT	PAGE NO	REVISION
E-M-H-03	01	01



NOTE:



Date	Revision	Details	Drawn	Check	Appr
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ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

the road from Nakhas Road connection to Oruid -> Sahz
Township Square

Drawing Title:

ELECTRICAL MANE HOLE


Drawn: Jamshidha Nazari	Signature:
Designed: Jamshidha Nazari	Signature:
Checked by: Hasibullah Sholzi	Signature:
	Signature:
	Signature:

Date: 5 November 2024

Status: FINEL
DESIGN

Project Code


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

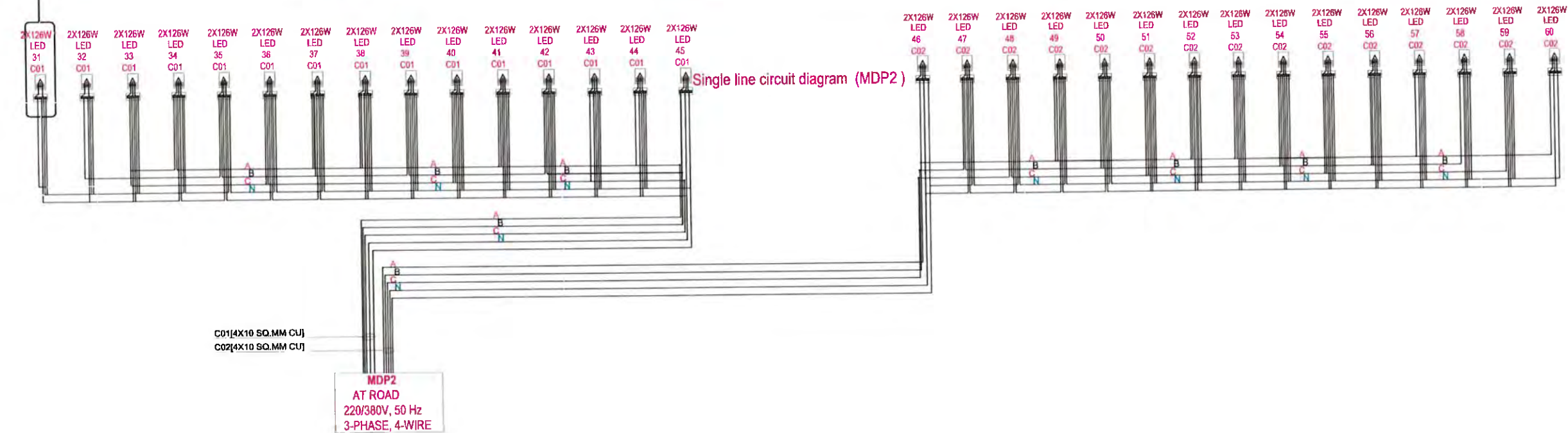
FXX/CXX CIRCUIT IDENTIFICATION	
2X126W	CIRCUIT PHASE IDENTIFICATION
LED	FIXTURE ARRANGEMENT NUMBER
1	FIXTURE WATTAGE
C01	LAMP TYPE
	LED LIGHTING FIXTURE
	FIXTURE TERMINAL BLOCK
	4 SQ.MM CU CONDUCTORS
	WEATHERPROOF JUNCTION-BOX
	TERMINAL BLOCK
	LIGHTING CIRCUIT CONDUCTOR



SHEET	PAGE NO	REVISION
E-W-01	01	01

			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) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								18		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING			126	16								16			126	LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING	126			16								16	126			LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @ 20mm	2.5mm2	LIGHTING		126		16								16		126		LIGHTING	2.5mm2	2(1C X 2.5 mm) @ 20mm
2(1C X2.5 mm) @																				

2X126W	CIRCUIT PHASE IDENTIFICATION
LED	FIXTURE ARRANGEMENT NUMBER
1	FIXTURE WATTAGE
C01	LAMP TYPE
	LED LIGHTING FIXTURE
	FIXTURE TERMINAL BLOCK
	4 SQ.MM CU CONDUCTORS
	WEATHERPROOF JUNCTION-BOX
	TERMINAL BLOCK
	LIGHTING CIRCUIT CONDUCTOR



NOTE:



Date	Revision Details	Drawn	Chkd.	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



**KABUL MUNICIPALITY
DESIGN TEAM**

Project Name:

the road from Nakhas Road connection to Omid -e-Sabz Township Square

Drawing Title:

ELECTRICAL WIRING

Drawn: Jamahulha Nazari

Signature: _____

Designed: Jameelulha Nazari

Signature: _____

Checked by: _____

Structure

Hasibullah Shahzai

Signalage

Approved by:

Signature:

Date: 5 November 2024


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

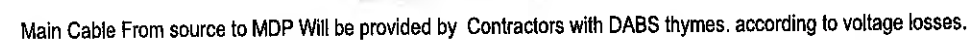
Project Code

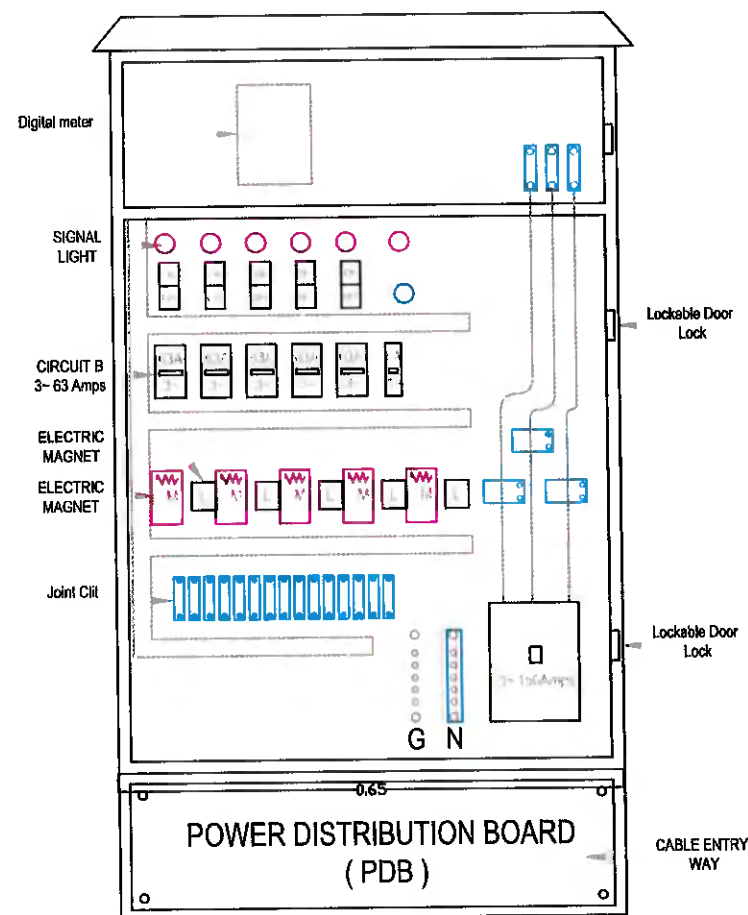
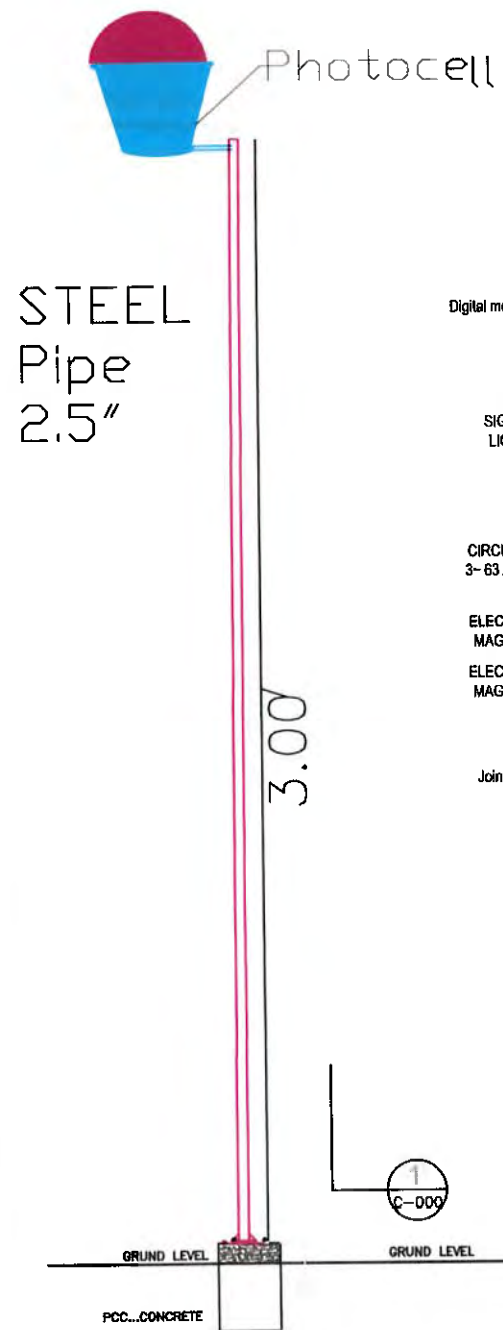
SHEET
E-W-02

PAGE NO
01

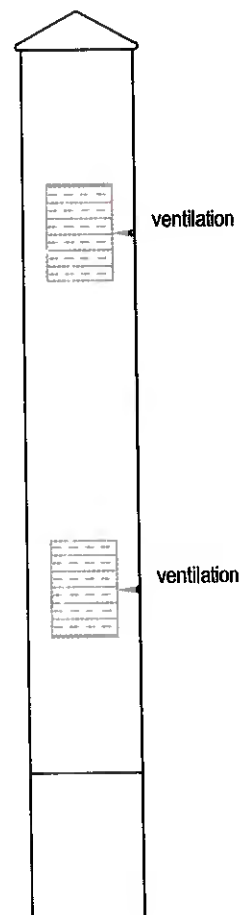
REVISION
01

FX/CX CIRCUIT IDENTIFICATION	
2X126W	CIRCUIT PHASE IDENTIFICATION
LED	FIXTURE ARRANGEMENT NUMBER
1	FIXTURE WATTAGE
C01	LAMP TYPE
	LED LIGHTING FIXTURE
	FIXTURE TERMINAL BLOCK
	4 SQ.MM CU CONDUCTORS
	WEATHERPROOF JOINTION-BOX
	TERMINAL BLOCK
	LIGHTING CIRCUIT CONDUCTOR



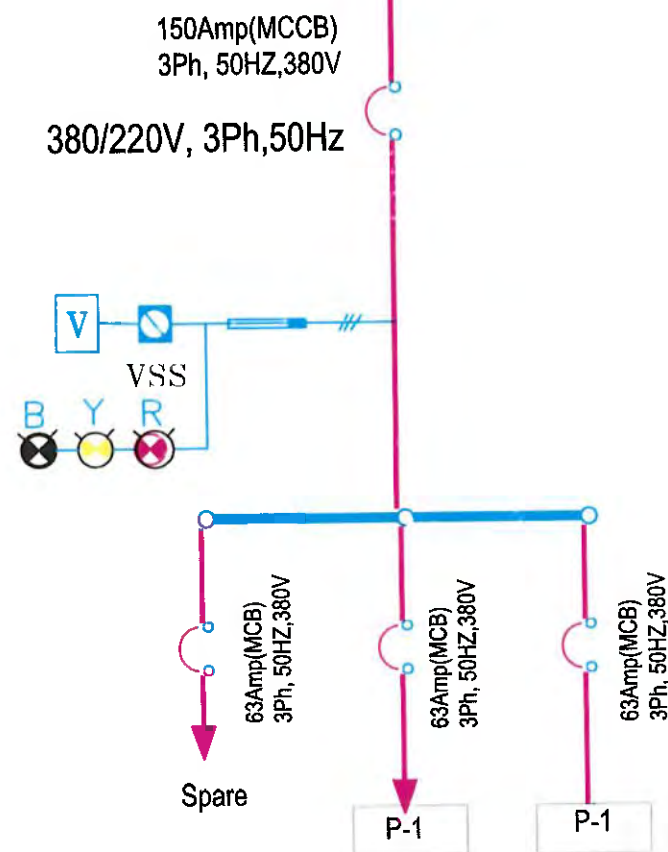


POWER DISTRIBUTION BOARD
FRONT VIEW



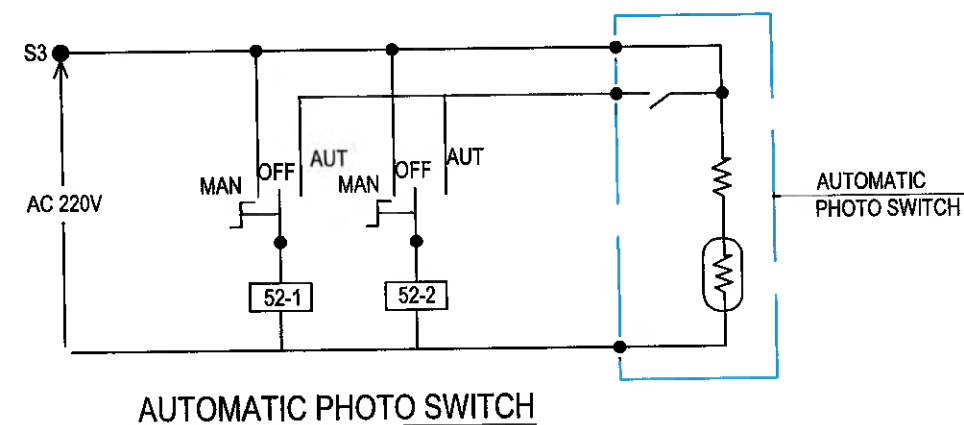
POWER DISTRIBUTION BOARD
SIDE VIEW

POWER CALCULATION SCHEDULE PLAN



COLORS COD

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



NOTE:



Date Revision Details Drawn Cldd Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:
the road from Nakhlas Road connection to Omid -e-Sabz
Township Square

Drawing Title:

CONTROL CIRCUIT DIAGRAM

Drawn: Jamalulla Nuzari

Designed: Jamalulla Nuzari

Checked by: Hasibullah Statizi

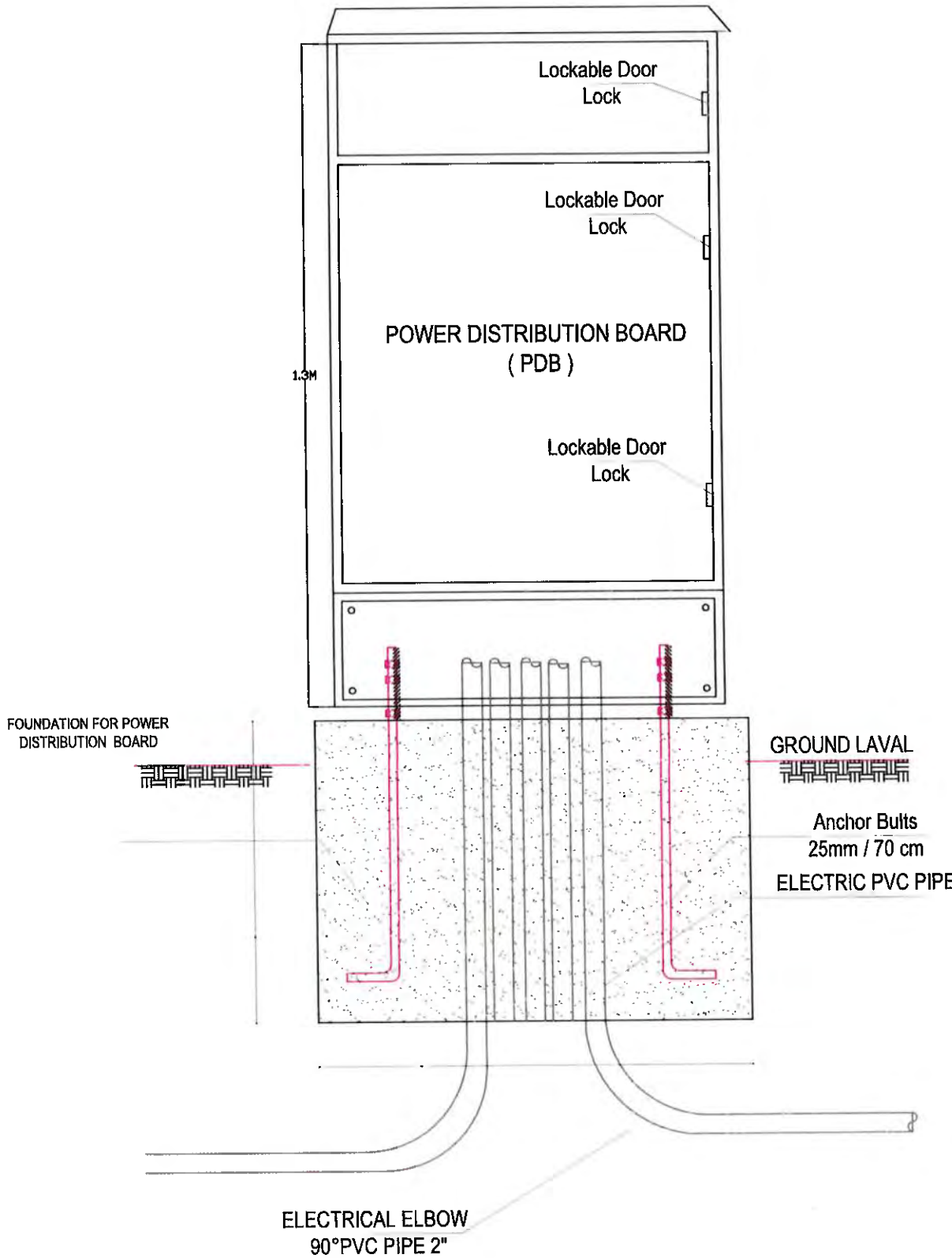
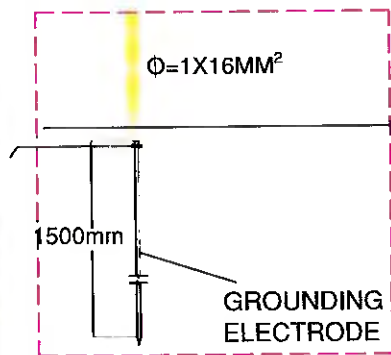
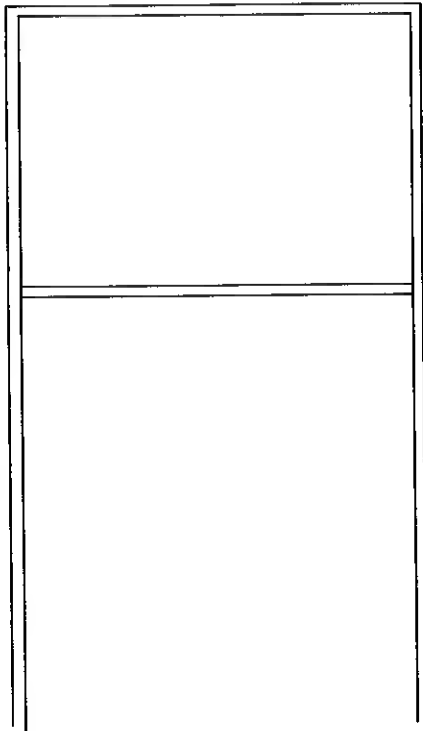
Date: 5 November 2024

Status: FINEL
DESIGN

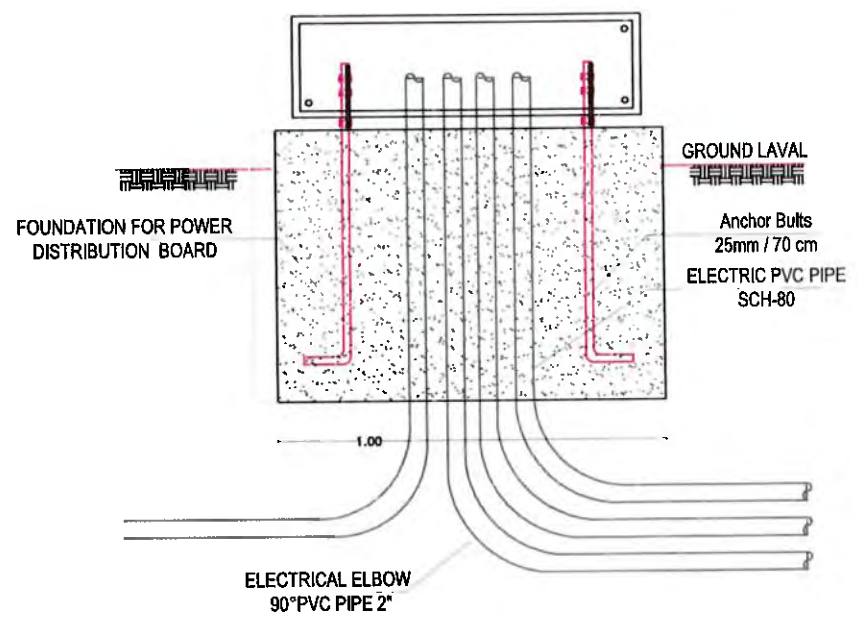
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SHEET C-C-D-01 PAGE NO 01 REVISION 01

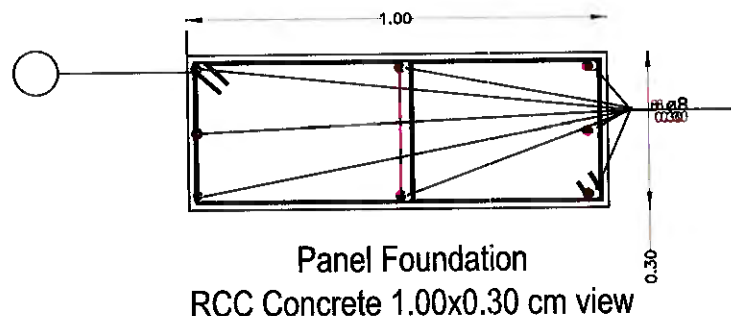
Angle = (40 X 40 X3)MM



ELECTRICAL PANEL FRONT ELEVATION



ELECTRICAL PANEL FRONT ELEVATION



NOTE:

Date	Revision	Details	Drawn	Chkd	Appr

Islamic Emirate of Afghanistan

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

the road from Nakhas Road connection to Omid -e-Sabz Township Square

Drawing Title:

ELECTRIC POLE DISTRIBUTION BOARD

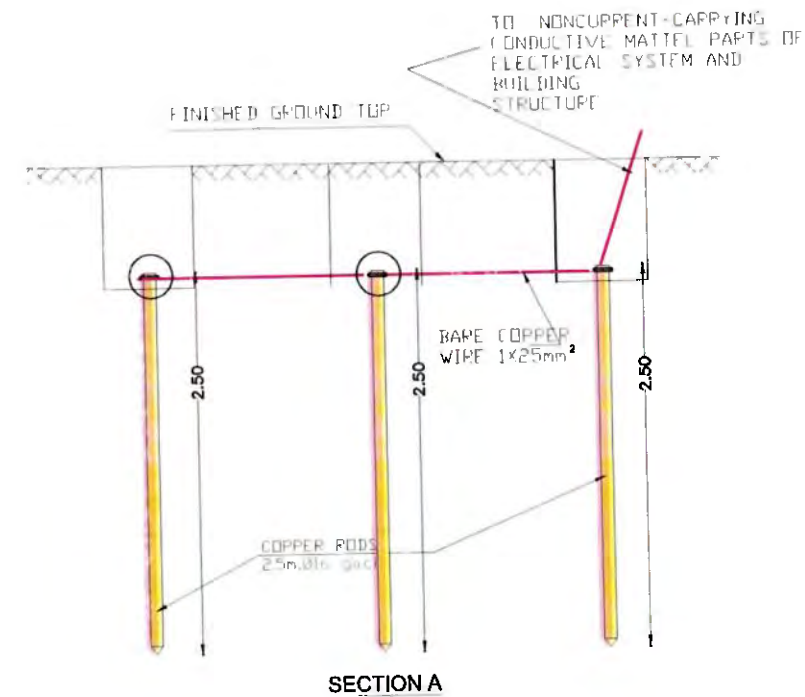
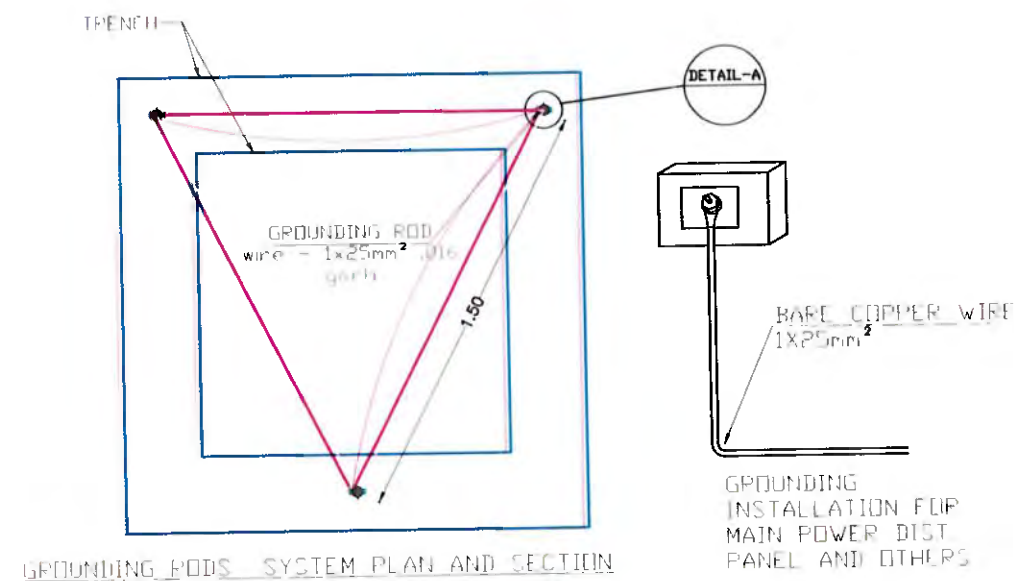
Drawn: Jamolulla Nazari	Signature:
Designed: Jamolulla Nazari	Signature:
Checked by: Habibullah Shalizi	Signature:
Approved by:	Signature:

Date: 5 November 2024

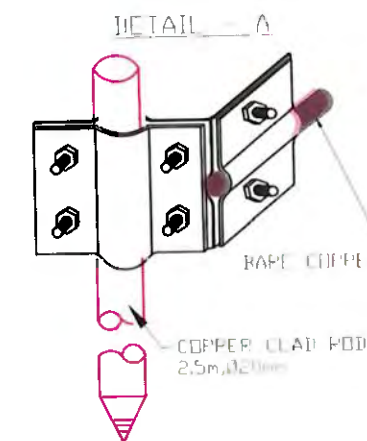
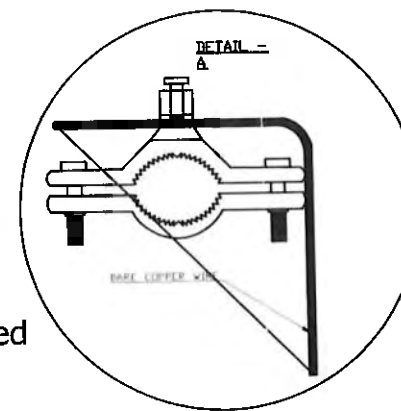
Status: FINEL DESIGN

Project Code:

SHEET	PAGE NO	REVISION
E-P-D-B-0	01	01



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



Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a 12 AWG Copper conductor will limit the voltage drop to 1.23% or less when supplying 2.34 amps for 1164.6feet on a 380 volt system.

For Engineering Information Only:

5.4 Amps Rated ampacity of selected conductor in selected length.

3..3 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

4.66 Actual voltage drop loss at 1.23% for the circuit



Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a 12 AWG Copper conductor will limit the voltage drop to 1.23% or less when supplying 2.34 amps for 1164.6feet on a 380 volt system.

For Engineering Information Only:

5.4 Amps Rated ampacity of selected conductor in selected length.

3..3 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

4.66 Actual voltage drop loss at 1.23% for the circuit

NOTE:



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

the road from Nalhas Road connection to Omd-e-Saba
Township Square

Drawing Title:

VOLTAGE LOSSES CALCULATION

Drawn: Jamshid Nazari

Signature:

Designed:

Jamshid Nazari

Signature:

Checked by:

Hesbullah Shahr

Signature:

Signature:

Signature:

Date: 5 November 2024

Status:

FINEL
DESIGN

Project Code

SHEET
V-L-C-01

PAGE NO
01

RE-VISION
01