



KABUL MUNICIPALITY
INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT

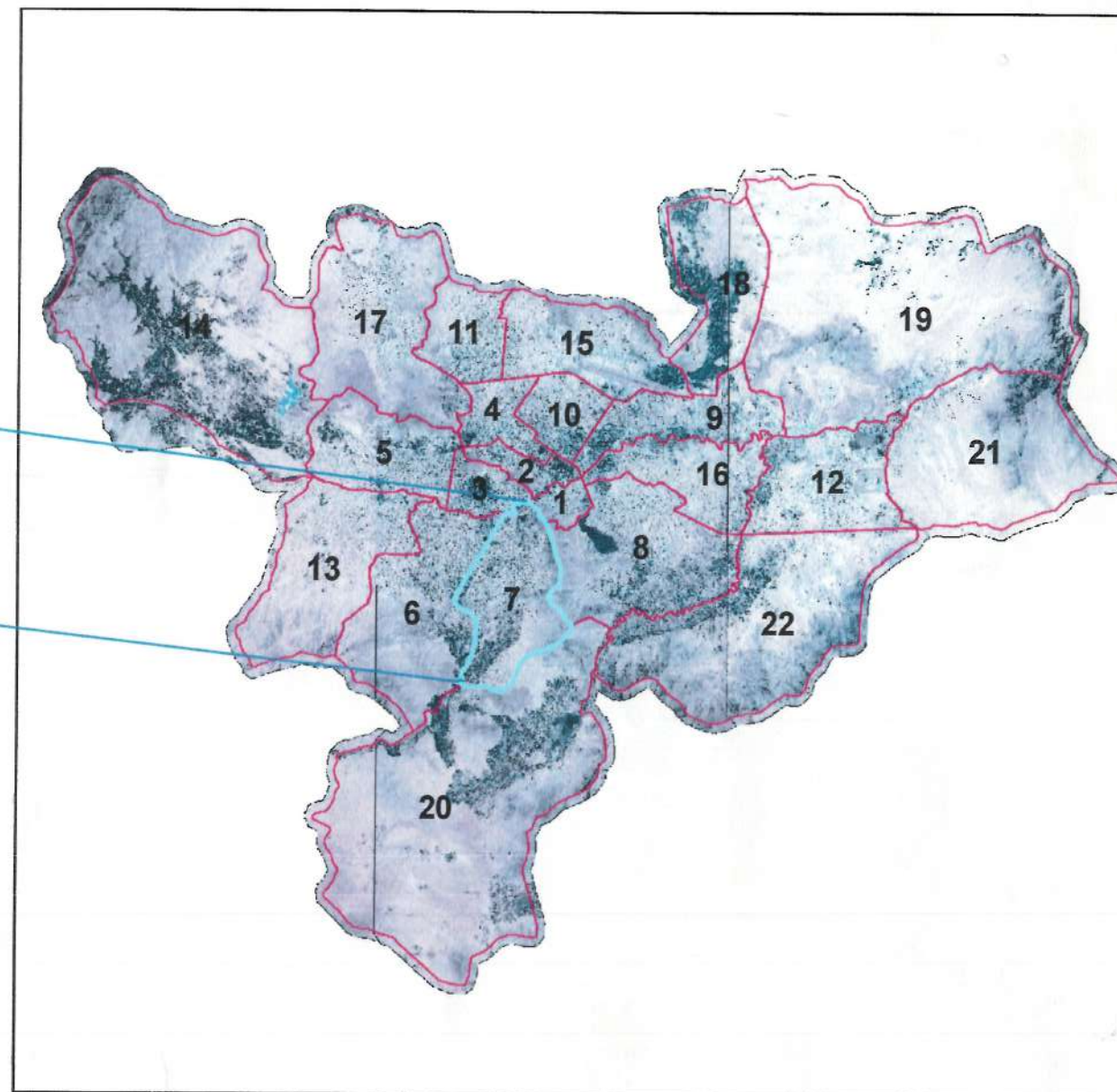


د افغانستان اسلامي امارت

Pol-e-Hasan to Bagh-e-Chehlestone Road Project

پروژه سرک از پل حسن الی باغ چهلستون

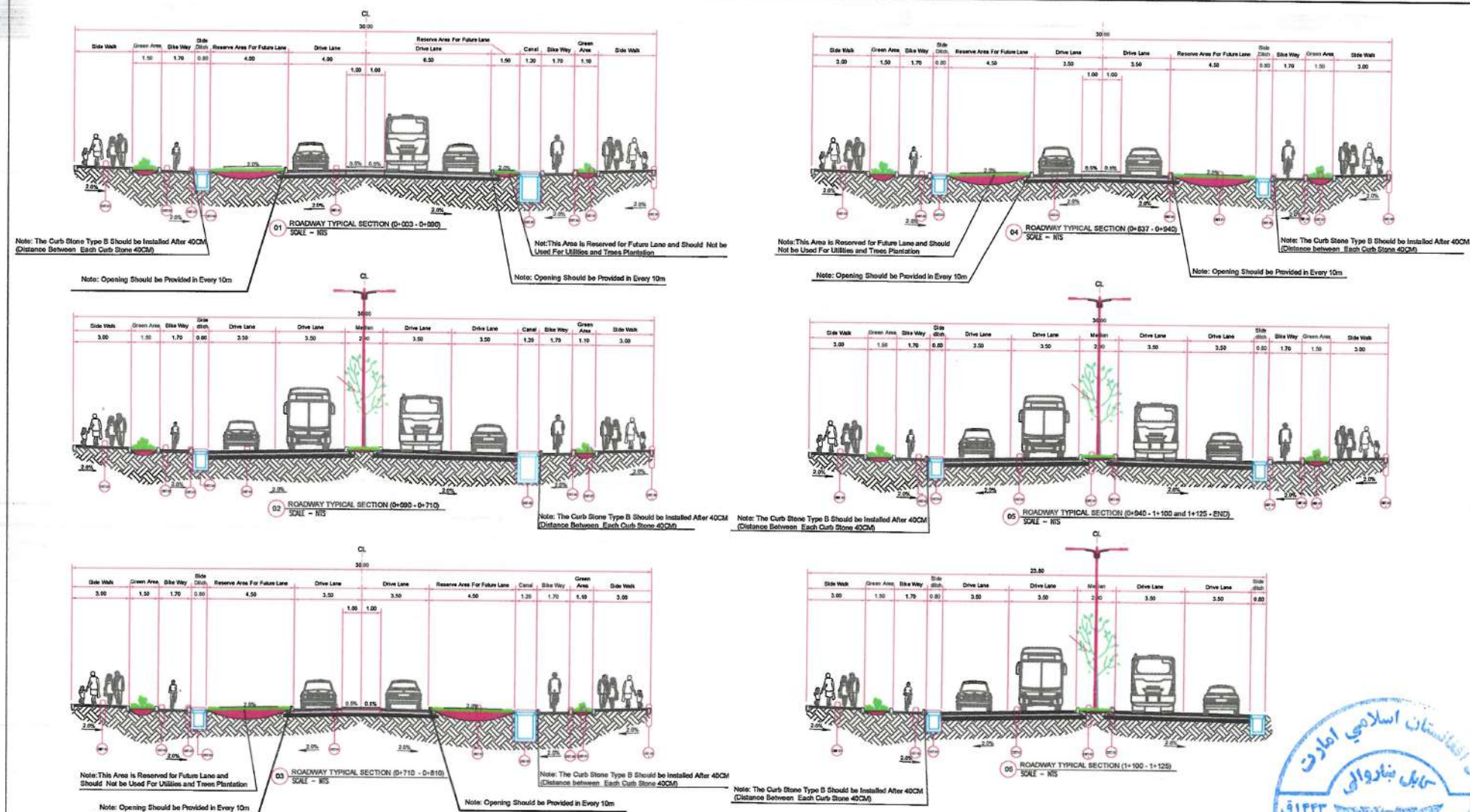
7th District



POL-E-HASSAN TO BAGH-E-CHEHLSTON ROAD PROJECT

DRAWING CONTENT			
Project	Pol-e-Hassan To Bagh-e-Chehlston Road Project		
No	Page	Drawing Title	INCLUDING..
1	COVER PAGE	COVER PAGE	1 SHEET
2	TABLE OF CONTENT	TABLE OF CONTENT	1 SHEET
3	SIGN SHEET	SIGN SHEET	1 SHEET
4	T-(01-03)	TYPICALS	3 SHEETS
5	D-(01)	PAVEMENT DETAILS	3 SHEETS
6	CUL 01	PLAN AND LONG SECTION	1 SHEET
7	CUL-DET -01	SECTION AND DETAILS	1 SHEET
8	SD-DET	SIDE DITCH PLAN & DETAILS	1 SHEET
9	SD.CAN	SIDE DITCH PLAN & DETAILS	1 SHEET
10	TOPOGRAPHIC-SURVEY	TOPOGRAPHIC-SURVEY	
11	PP, PP(1-4)	PLAN & PROFILE	5 SHEETS
12	CS (01-26)	CROSS SECTIONS	26 SHEETS
13	PP, PP(1-4)	PLAN & PROFILE	5 SHEETS
14	R-(01-04)	ROAD MARING & DETAILS	4 SHEET
15	COVER PAGE	LIGHTING	1 SHEET
16	T-C-0	TABLE OF CONTENT	1 SHEET
17	L-P (1-2)	LIGHTING - PLANE	2 SHEETS
18	S-L-D (01-05)	STREET LIGHTING DETAILS	5 SHEETS
19	E-M-H (01-04)	ELECTRICAL MANE HOLE	4 SHEETS
20	S-L-W (01-04)& S-L-W	STREET LIGHTING WIRING	5 SHEETS
21	LINK ROAD TYPE	LINK ROAD TYPE	1 SHEET
22	LINK ROAD DETAILS	LINK ROAD DETAILS	1 SHEET
23	DOOR INTERANCE-01	DOOR INTERANCE DETAIL -01	1 SHEET
24	CUT-FILL	CUT-FILL REPORT	1 SHEET
25	STEAKOUTE	STEAKOUTE	1 SHEET





ق ۱۴۴۳

تیسرے: اسناد تخلیقی پروژہ: ہذا نظر ہے پلان پروژہ های انکشافی بوجہ داخلی سال 1402 کہ تحت نام توسعه مرک از پل حسن الی باغ چلهستون و با در نظر داشت پلان مسیر مرک کہ در یک شیت با پلان: املاک، تہ سہ امت یات ہای: پلان: گارڈی، و سر و این ریاست تہیہ و تحت نمبر 1291 مورخ 1445/06/19 آفد ارشیف این ریاست میباشد. ترتیب

3. از آنکه مسیر سرک پروژه متکرره، دریای کابل لوگر را در موقعیتی قطع مینماید که یک پل به عرض 7 متر موجود میباشد لذا بر اساس هدایت تفصیلی مقامات صالحه شراوی کابل ای دیز این و تطبیق پل جنبه مطابق به عرض سرک، اجزای سرک متکرره نظر به عرض پل موجوده تنظیم گردد، بنا براین برای رفع مشکلات ترافیکی در موقعیت پل پیشنهاد میگردد تا پل جدید با در نظر داشت وسایط و عرض سرک دیز این و تطبیق گردد، تا نکته نپاید گذشت که شروع سرک متکرره از قسمت آخر پروژه دارالان میباشد که مقطع عرضی در پروژه دارالان در دانه ۰۰۰ متری، مقادیر ترازو میباشد تا در نظر پل مشکلات ترافیکی، و تنظیم بهتر سرک متکرره با پروژه دارالان المقطع عرضی سرک متکرره در شروع پروژه متفاوت میباشد.

5. طبق راپور جیوتکنیک در تست پی‌های (1,2,5) که در محدوده استیشن های 0+000 تا 0+520 و 1+310 تا 0+400 (SATISFACTORY MATERIAL) گزارش گردیده است و همچنان در تست پیرت 2 که در جوار سرک موجوده حفر گردیده است در زیر طبقه اسفالت تا 13 الی 18 سانتی مواد مناسب تخمین گردیده. بنابر این میتوان از مواد متفکرة تحت نظر منبر پروژه در موقعیت های که نیاز به استفاده مواد مناسب مبرود استفاده گردیده و متبانی آن در صورت که اضافه گردن این دو و سایر مواد قابل استفاده که در سامحه پروژه قرار اند دارد توسط قراردادی تحت نظارت منبر حفظ و نگهداری و اوقات باک آن ها و مواد تحت کار اندالاست و با در محمل مناسب که باست محترم کار و حفظ و اوقات انتخاب امیاد انتقال داده شود و سایر مواد

طول پروژها را ای رطوبت زیاد میباشد نظر به پیشنهاد جیوتکنیکال برای بدست آوردن تراکم مناسب (Compaction) به عمق 30 سانتی (SCRAFFY) گردد.

منظوری اعلام محترم شارالام کابل در این صفحه بیان کننده منظوری تمام صفحات بدین ای پسته اسناد تخنیک می باشد.

تاریخ کنه ده:

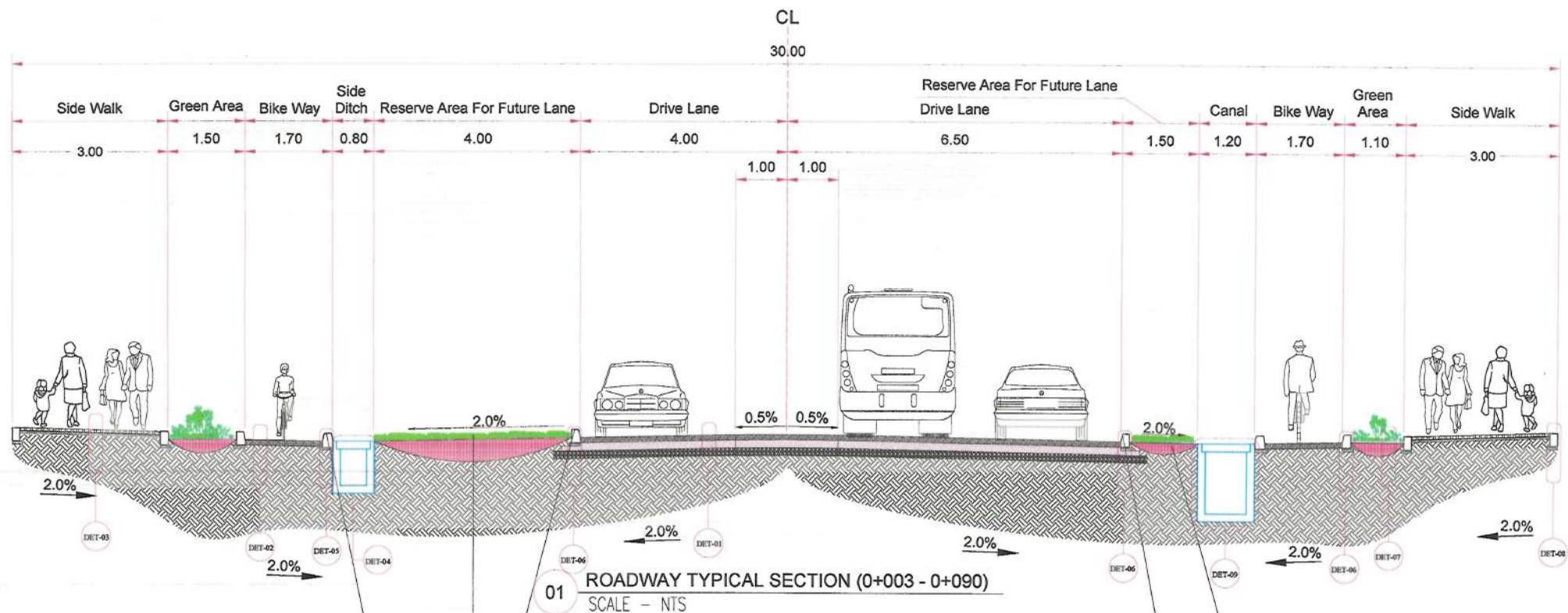
مقام محترم شیخہ عالیہ کنیل

596 11

1000/4/5

End Point:
N=3814261.2087
E=513890.0658

تاریخ ۱۳۹۴ قمری ۱۴۰۵/۴/۲۸
عبدالمجید آریکو



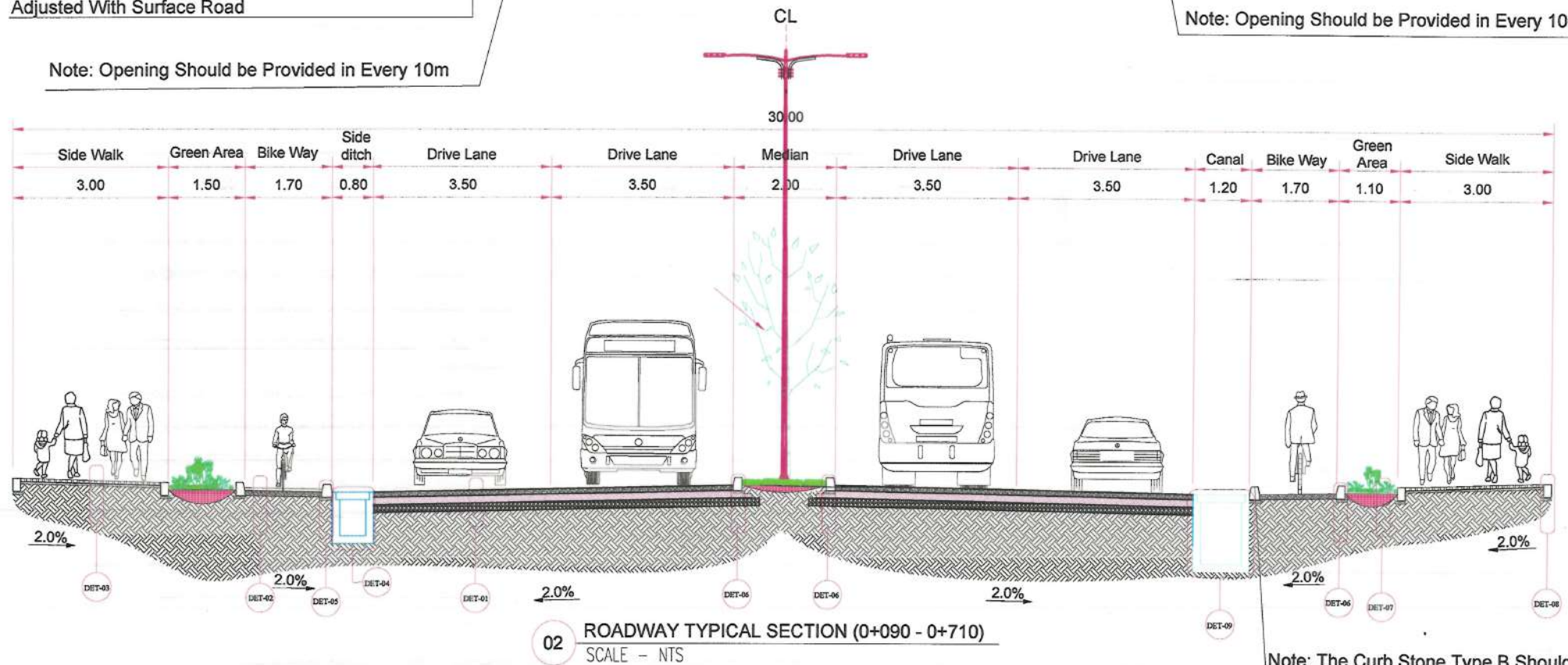
Note: The Curb Stone Type B Should be Installed After 40CM
(Distance Between Each Curb Stone 40CM)

Note: The Surface of the Reserve Area Should be
Adjusted With Surface Road

Note: Opening Should be Provided in Every 10m

Note: This Area is Reserved for Future Lane and Should Not be
Used For Utilities and Trees Plantation

Note: Opening Should be Provided in Every 10m



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

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

Note: The Surface of the reserved area should
be adjusted with the Road's Surface.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of
Afghanistan

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:
TYPICAL CROSS SECTION

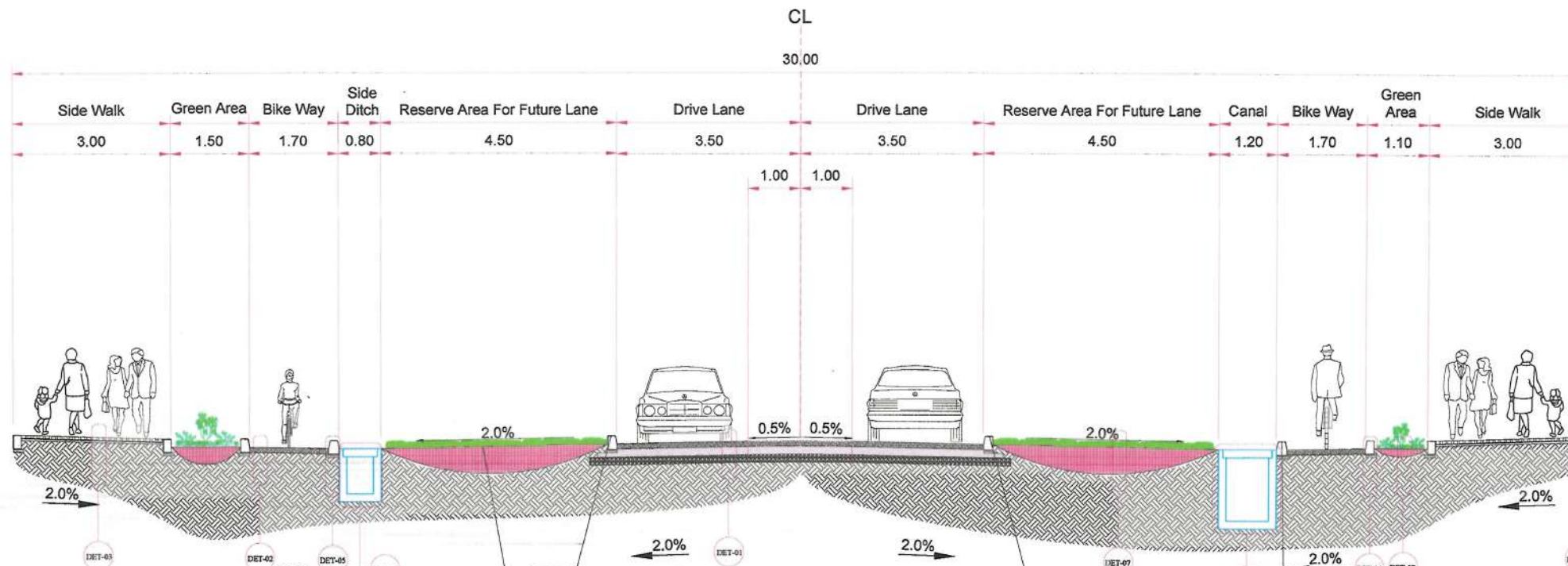
Drawn By: M.Reza Mirzaie	Signature:
Designed By: M.Ali Dawlatzade	Signature:
Checked By: M.Eesa Sirt	Signature:
Checked By: Haniullah Shalizi	Signature:

Date: 29-10-2023	Scale: NTS
---------------------	---------------

Status: FINAL DESIGN

Project Code

Drawing Number TCS-01	Revision 01
--------------------------	----------------



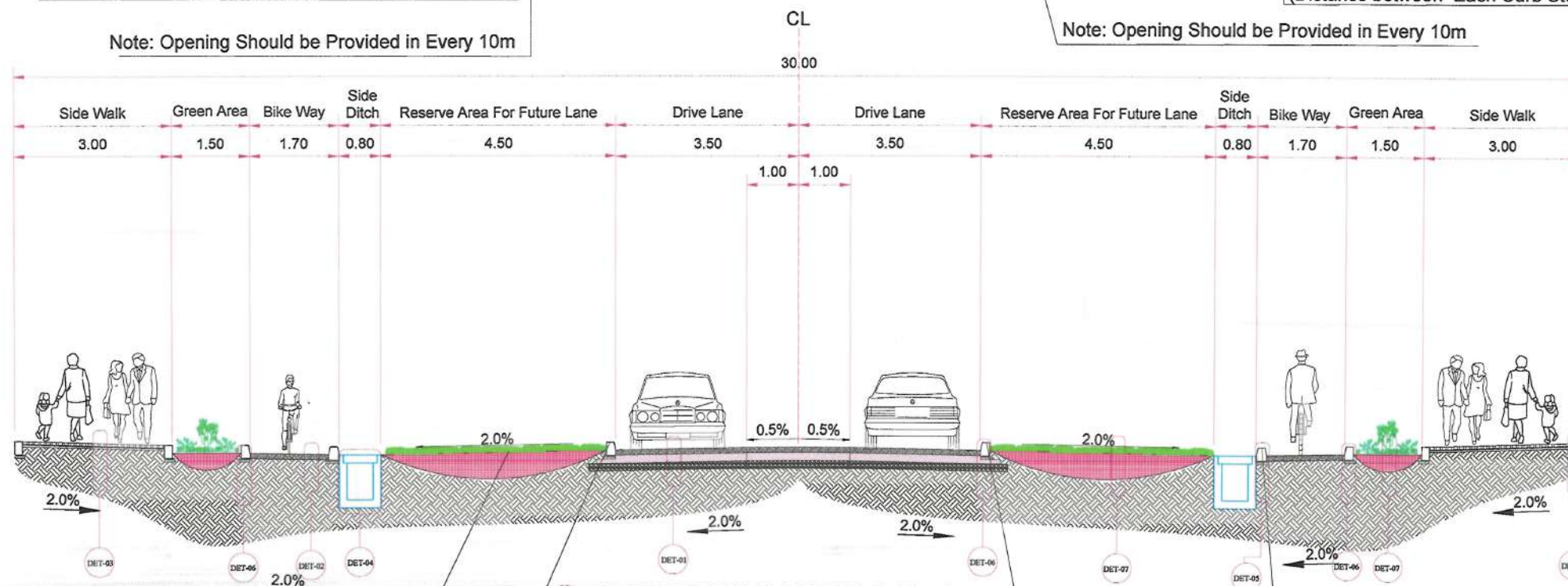
Note: This Area is Reserved for Future Lane and Should Not be Used For Utilities and Trees Plantation

Note: Opening Should be Provided in Every 10m

03 ROADWAY TYPICAL SECTION (0+710 - 0+810)
SCALE - NTS

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

Note: Opening Should be Provided in Every 10m



Note: This Area is Reserved for Future Lane and Should Not be Used For Utilities and Trees Plantation

Note: Opening Should be Provided in Every 10m

04 ROADWAY TYPICAL SECTION (0+837 - 0+940)
SCALE - NTS

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

Note: Opening Should be Provided in Every 10m

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

Note: The Surface of the reserved area should be adjusted with the Road's Surface.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of Afghanistan

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
TYPICAL CROSS SECTION

Drawn By: M.Reza Mirzaie	Signature:
Designed By: M.Ali Dawlatzade	Signature:
Checked By: M.Essa Sirat	Signature:
Checked By: Hasibullah Shalizi	Signature:

Date:
29-10-2023

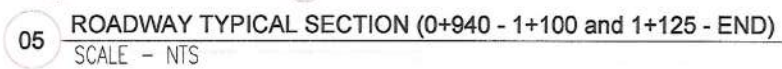
Scale:
NTS

Status:
FINAL DESIGN

Project Code

Drawing Number
TCS-02

Revision
01



The diagram illustrates a cross-section of a roadway with the following components and dimensions:

- Side Walk:** 3.00
- Green Area:** 1.50
- Bike Way:** 1.70
- Side ditch:** 0.80
- Drive Lane:** 3.50
- Drive Lane:** 3.50
- Median:** 2.00
- Drive Lane:** 3.50
- Drive Lane:** 3.50
- Side ditch:** 0.80

The total width of the roadway is 23.80. The diagram also shows a central line (CL) and a tree in the median. The road is shown with a 2.0% slope on both sides. The diagram is labeled "06 ROADWAY TYPICAL SECTION (1+100 - 1+125) SCALE - NTS".

NOTE:


1. All dimensions are in m unless otherwise indicated.



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

Islamic Emirate of
Afghanistan

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehlstone Road Project

Drawing Title:

TYPICAL CROSS SECTION

Drawn By:

M.Reza Mirzaie

Signature: Rajesh

Designed: By

M. Ali Dawlatzade

Signature:

Checked: By

M.Essa Sirat

Signature: _____

Date: _____

29-10-2021

Scale:

NTS

Status:

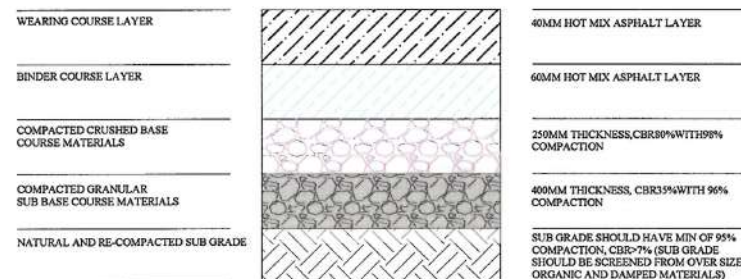
FINAL DESIGN

Project Code

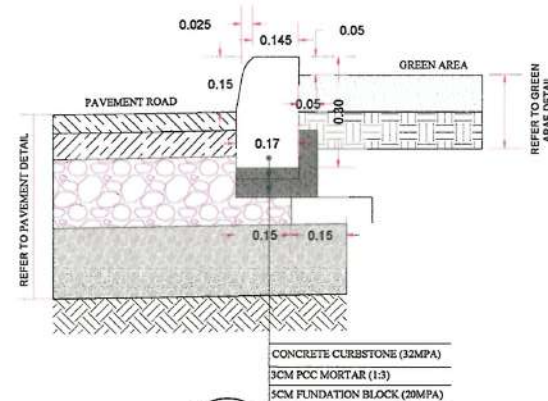
TCS-03

Revised

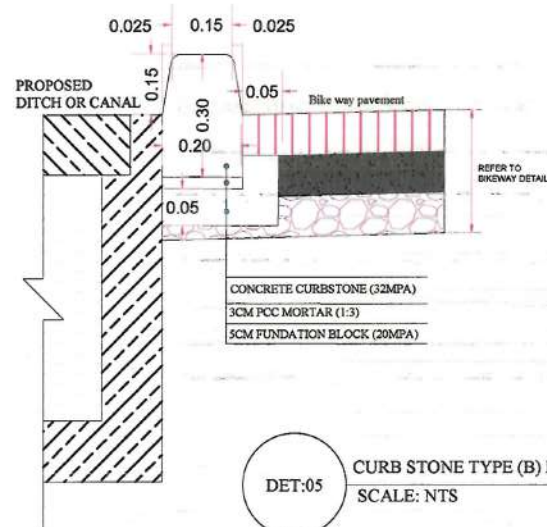
01



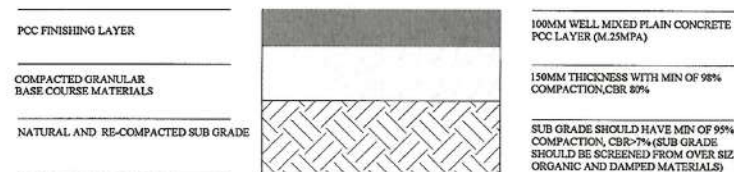
DET:01 ROAD MATERIAL SECTION
SCALE: NTS



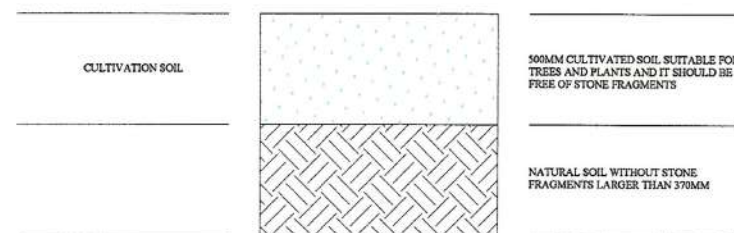
DET:06 CURB STONE TYPE (A) DETAIL
SCALE: NTS



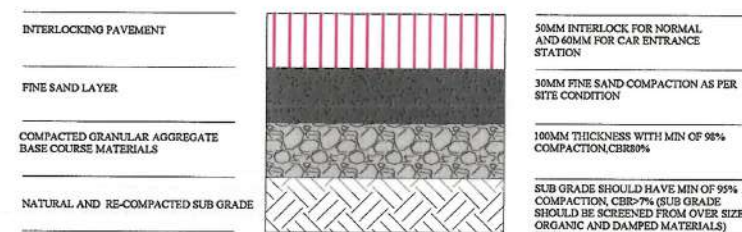
DET:05 CURB STONE TYPE (B) DETAIL
SCALE: NTS



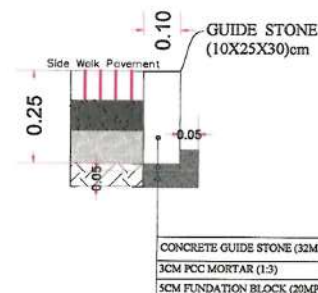
DET:02 BIKEWAY MATERIAL DETAIL
SCALE: NTS



DET:07 GREEN AREA MATERIAL DETAIL
SCALE: NTS



DET:03 SIDEWALK MATERIAL DETAIL
SCALE: NTS



DET:08 GUIDE STONE DETAIL
SCALE: NTS

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of
Afghanistan

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

Road Details

Drawn By:	Signature:
M.Reza Mirzazie	
Designed By:	Signature:
M.Ali Dawlatzade	
Checked By:	Signature:
M.Esa Siat	
Checked By:	Signature:
Habibullah Shalizi	

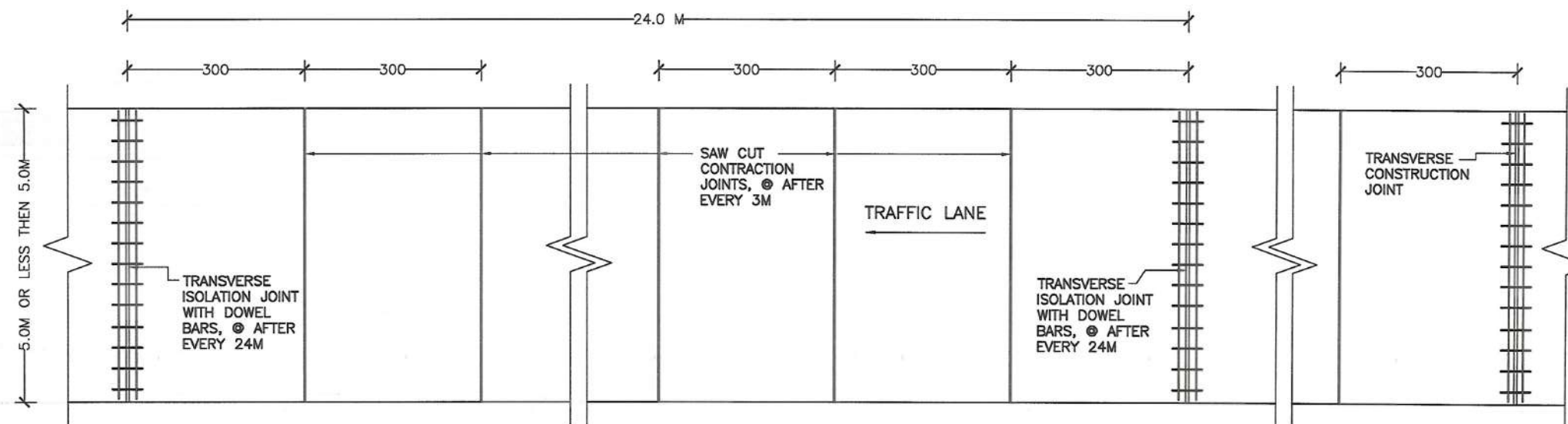
Date: 29-10-2023 Scale: NTS

Status: FINAL DESIGN

Project Code

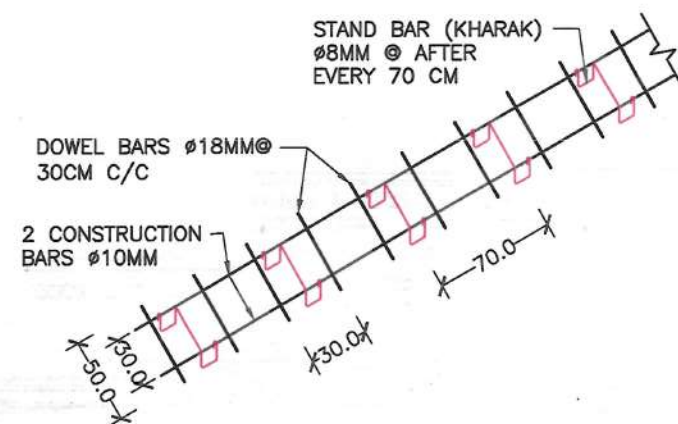
Drawing Number	Revision
Road Details	01

- طبق راپور جیوتکنیک در تست پیت های (2,3,4) که در محدوده استیشن های 0+520 و 0+700 و 1+040 پروژه قرار دارد مواد نامناسب (plastic, Poor material) گزارش گردیده است. در صورتیکه به مواد متکره در جریان تطبیق پروژه متکره روپرو گردد با مواد مناسب (EMBANKMENT/REPLACEMENT SATISFACTORY MATERIAL) جایگزین شود، که برای تثبیت مقدار کم کاری و اضافه کاری مواد متکره تطبیق کننده مکلف است تا در هماهنگی با مدیر پروژه ساحه را سروی نموده و با ارایه اسناد و شواهد در حصه مجرای آن در اسرع وقت طبق اصول و قوانین بعد از منظوری مقام اجراء خواهد شد و ریاست های محترم زیربط طبق پروسیجر کاری خویش در رابطه به موضوعات تدارکاتی، مدیریتی و قانونی آن ابراز نظر خواهند فرمود.
- طبق راپور جیوتکنیک در تست پیت های (1,2,5) که در محدوده استیشن های 0+080 و 0+520 و 1+310 مواد (SATISFACTORY MATERIAL) گزارش گردیده است و همچنان در تست پیت نمبر 2 که در جوار سرک موجوده حفر گردیده است در زیر طبقه اسفالت از 13 الی 18 سانتی مواد مناسب تخمین گردیده. بنابراین میتوان از مواد متکره تحت نظر مدیر پروژه در موقعیت های که نیاز به استفاده مواد مناسب می رود استفاده گردیده و متبالی آن در صورت که اضافه گردد این مواد و سایر مواد قابل استفاده که در ساحه پروژه قرار دارد توسط قراردادی تحت نظارت منیر پروژه به ریاست محترم کار، حفظ و مراقبت، یا یکی از پروژه های تحت کار اینریاست و یا در محل مناسب که ریاست محترم کار، حفظ و مراقبت انتخاب نماید انتقال داده شود و سایر مواد اضافی غیر قابل استفاده باید از ساحه کار توسط قراردادی دور شده طبق الزامات مشخصات تخنیک در محل مناسب انتقال یابد.
- طبق راپور جیوتکنیک در Test pit (TP2) در محدوده استیشن 0+520 Optimum moisture content 14.26 گزارش گردیده که نشان دهنده مقدار زیاد رطوبت در خاک میباشد بنا ساحت که در طول پروژه دارای رطوبت زیاد میباشد نظر به پیشنهاد جیوتکنیکل برای بدست آوردن تراکم مناسب (Compaction) به عمق 30 سانتی مشخصات، نوعیت و فاصله بین درختان و سایر نباتات در هماهنگی با ریاست محترم سرسبزی و حفظ ساحت سبز، تعیین و در ساحه تطبیق گردد.
- مشخصات، نوعیت و فاصله بین درختان و سایر نباتات در هماهنگی با ریاست محترم سرسبزی و حفظ ساحت سبز، تعیین و در ساحه تطبیق گردد.

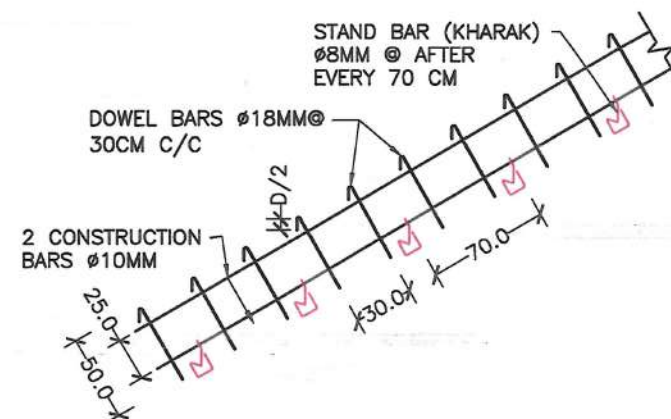


NOTE: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS

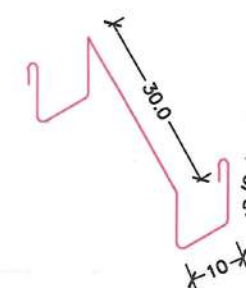
01 BIKEWAY & LINK ROAD PLAN VIEW
SCALE- AS SHOWN



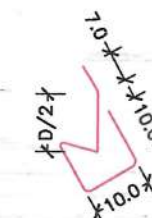
02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



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.

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC AMIRATE OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

Kabul Municipality Design Team

Project Name:

Pol-e-Hassan to Bagh-e-Chehlstone Road Project

Drawing Title:

JOINT DETAIL

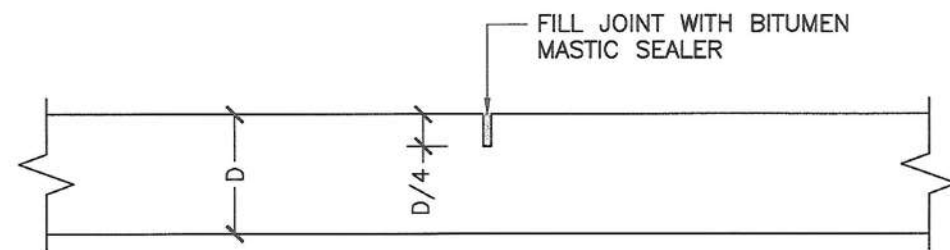
Draw by: M.Reza Mirzaie	Signature:
Design by: M. Ali Dawlatzade	Signature:
Checked: Mohammad Essa Sirat	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 29-10-2023 Scale:

Status: FINAL DESIGN

Project Code:

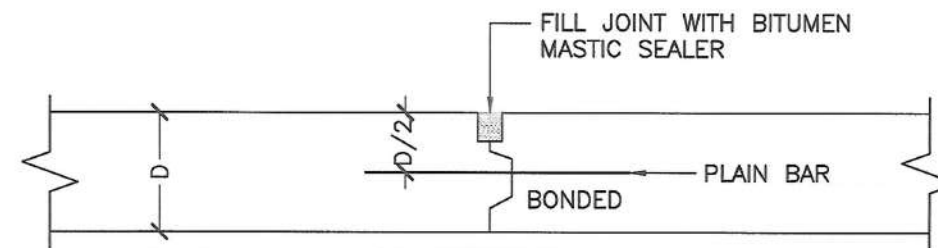
Drawing Number: D-02 Revision:



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

NOTE-1:

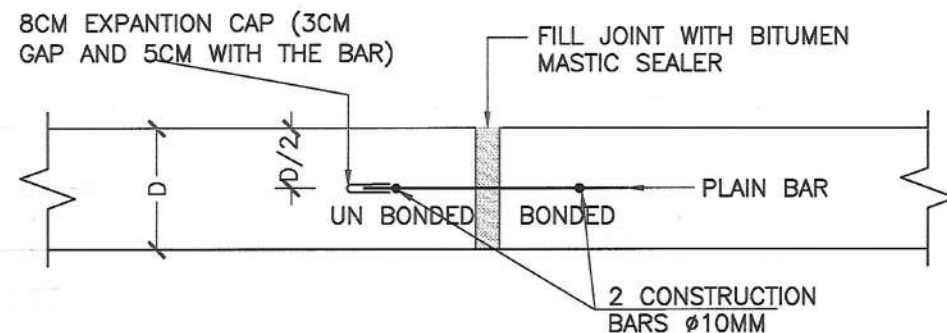
- 1) FORM JOINTS BY SAW CUTTING
- 2) SPACING OF CONTRACTION JOINTS @ AFTER EVERY 3 METER
- 3) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS
- 4) JOINT WIDTH = 0.5-1.0 CM



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 DAYLY WORK AND WHEN THE WORK STOP FOR ONE HOUR OR MORE BECEUSE 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,

General Notes:
1. All Dimensions are In Meters Unless Otherwise Indicated.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC
AMIRATE OF
AFGHANISTAN



KABUL
MUNICIPALITY

Design Consultant:
Kabul Municipality Design Team

Project Name:
Pol-e-Hassan to Bagh-e-Chehlstone Road Project

Drawing Title:
JOINT DETAIL

Draw by: M.Reza Mirzaie	Signature:
Design by: M. Ali Dawlatzade	Signature:
Checked: Mohammad Essa Sirat	Signature:
Checked: Hasibullah Shalizi	Signature:

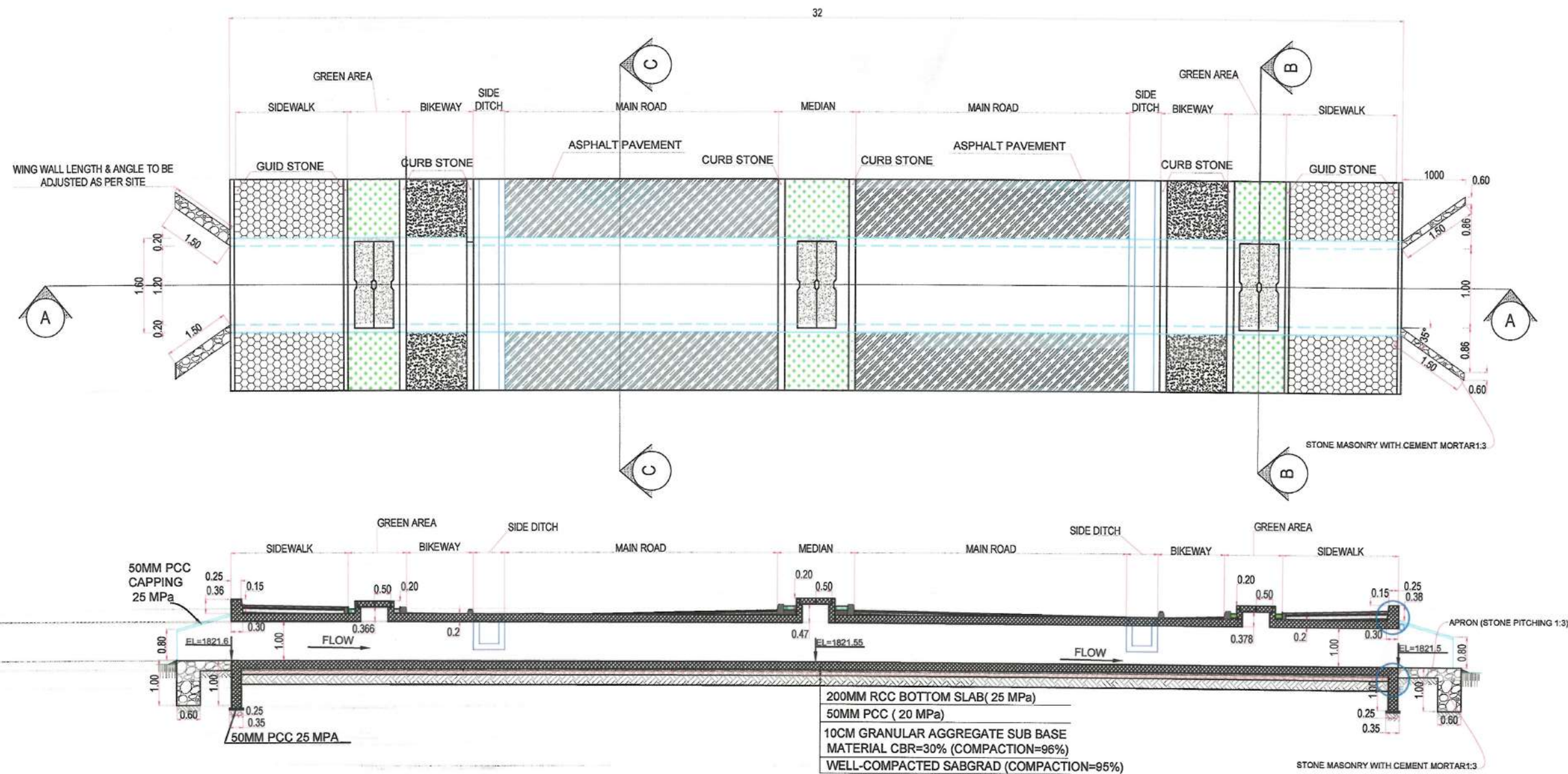
Date:
29-10-2023

Status:
FINAL DESIGN

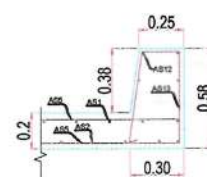
Project Code

Drawing Number
D-03

Revision

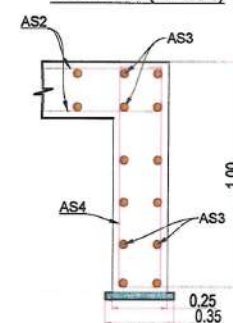


SECTION A-A FROM RCC SKEW CULVERT # 01
STATION (1+234)



DETAIL D

DETAIL D REINFORCEMENT SCHEDULE				
Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		14	150	
As5		12	150	
As12		12		6 Numbers in every member
As13		12	200	



DETAIL E

DETAIL E REINFORCEMENT SCHEDULE				
Bar No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	

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



Rev	Date	Revision Details	Drawn	Chkd	Appd

ISLAMIC EMIRAT OF AFGHANISTAN

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e- Cheliston Road Project

Drawing Title:
CULVERT # 01 PLAN AND LONG SECTION

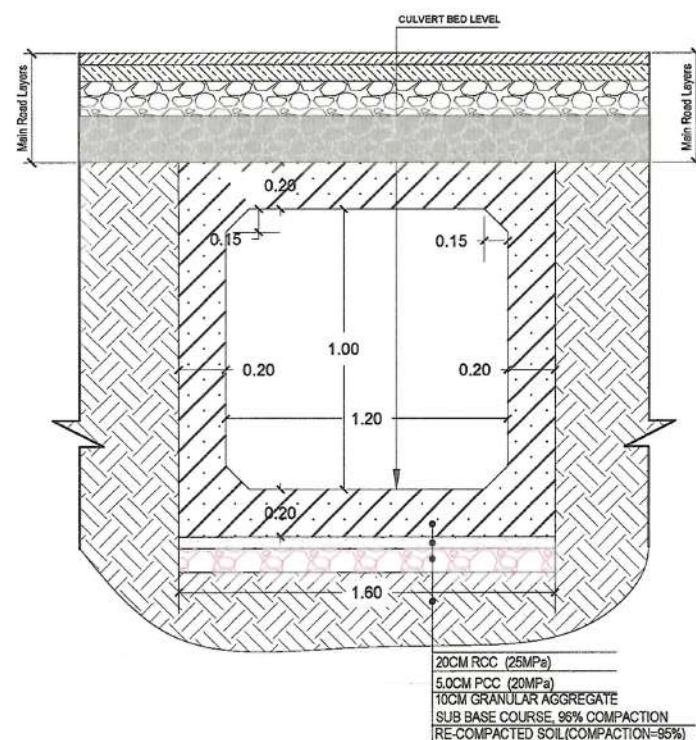
Drawn by:
M.Reza Mirzanie
Designed by:
M.Jafar
Checked by:
Hasibullah Shalizi

Date:
02-11-2023
Scale:

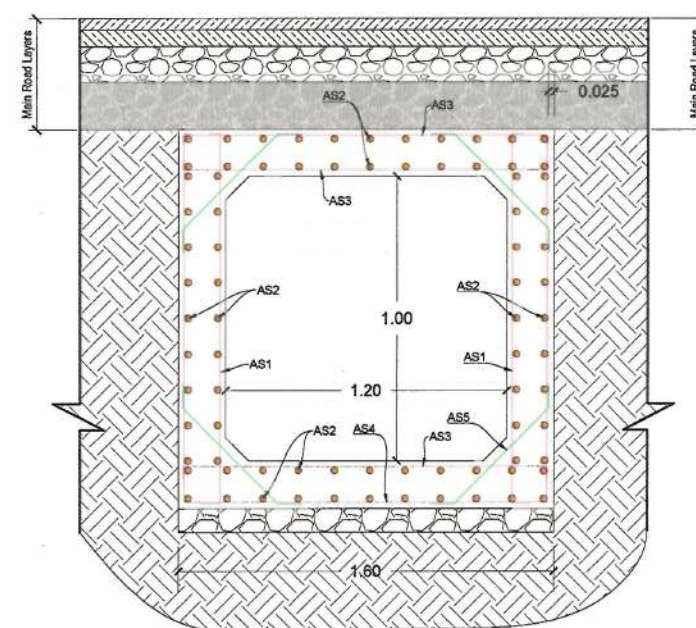
Status:
FINAL DESIGN

Project Code

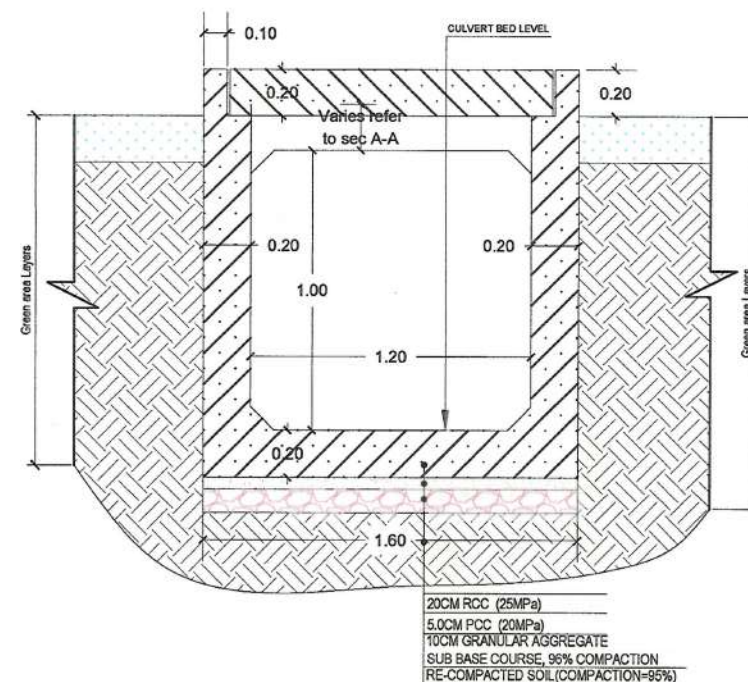
Drawing Number
CUL# 01
Revision
01



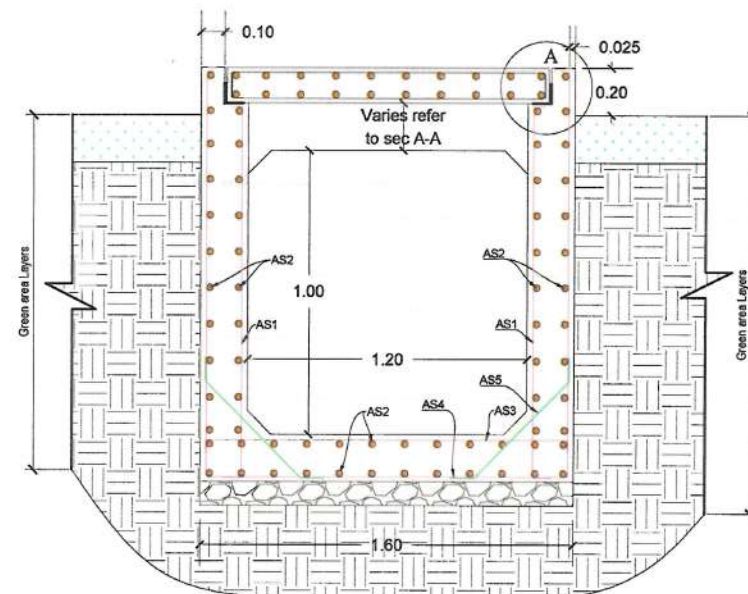
DET-CUL SECTION C-C, DIMENSION AND MATERIAL DETAILS



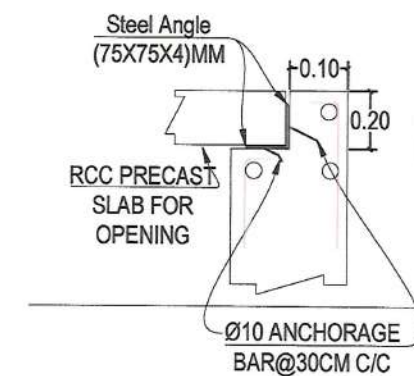
DET-CUL SECTION C-C, REINFORCEMENT DETAIL



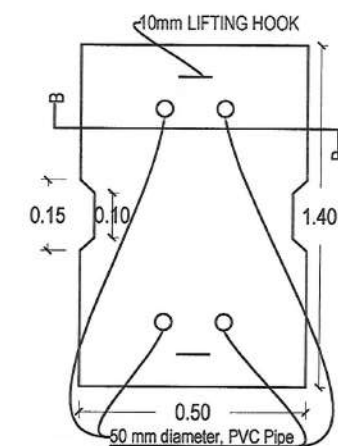
DET-CUL SECTION B-B, DIMENSION AND MATERIAL DETAILS



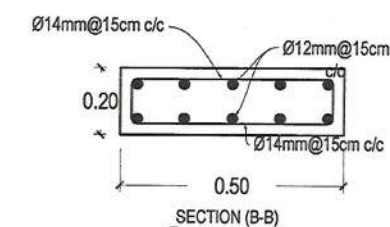
DET-CUL SECTION B-B, REINFORCEMENT DETAIL



DETAIL A



OPENING PRECAST SLAB



SECTION (B-B)

CULVERT (1.2X1.2)M REINFORCEMENT SCHEDULE

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

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

Islamic Emirate of
Afghanistan

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chelston Road Project

Drawing Title:
Culvert Section & Details

Drawn By: M.Reza Mirzaie
Designed By: M.Jafar
Checked By: Habibullah Shalizi
Signature:

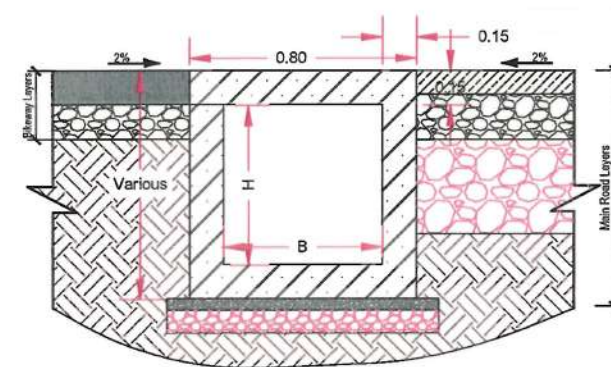
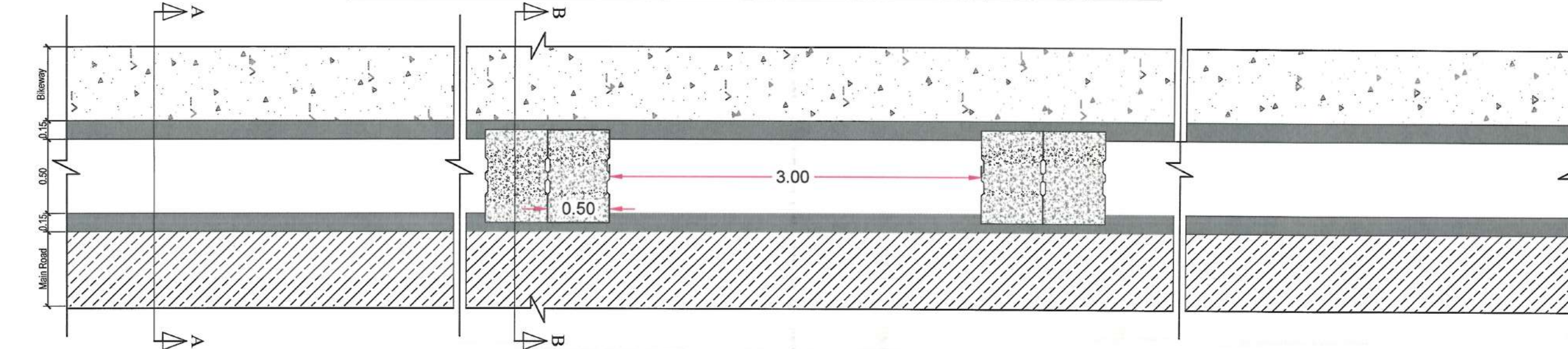
Date: 29-10-2023
Scale: NTS

Status: FINAL DESIGN

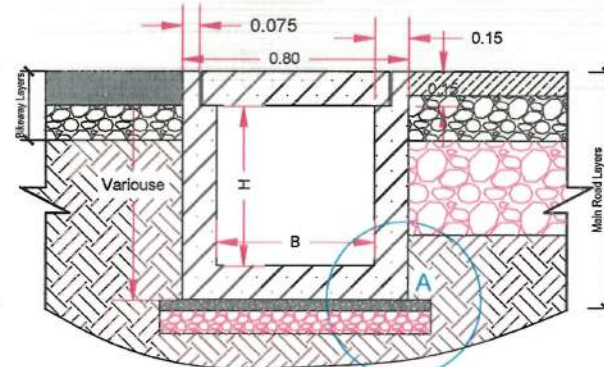
Project Code

Drawing Number: Culvert Details
Revision: 01

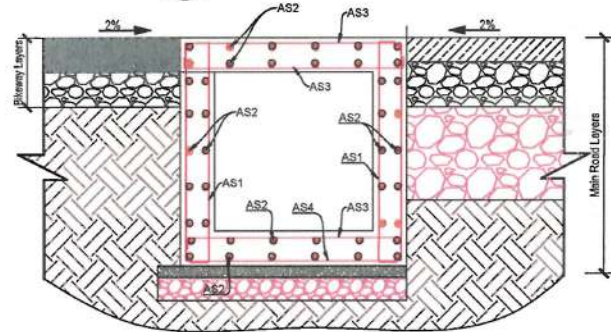
RIGHT SIDE, DRAIN PLAN (STATION 0+810 TO END) and LEFT SIDE, DRAIN PLAN(STATION 0+003 To End)



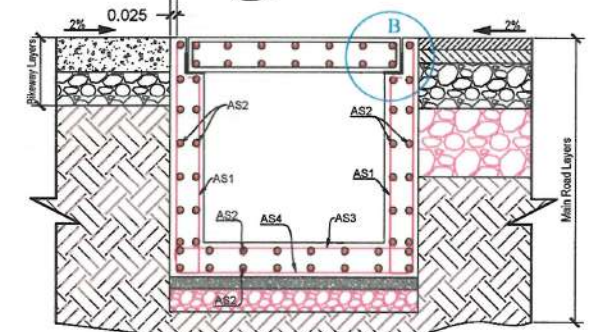
DET-04 SIDE DITCH SECTION A-A
SCALE: NTS



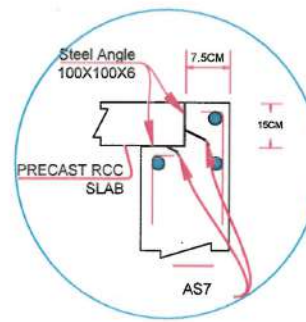
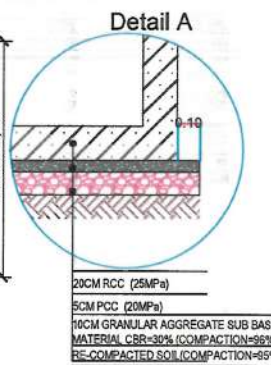
DET-04 SIDE DITCH SECTION B-B
SCALE: NTS



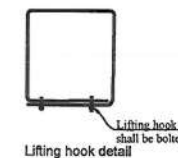
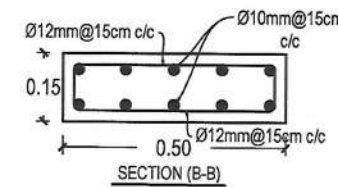
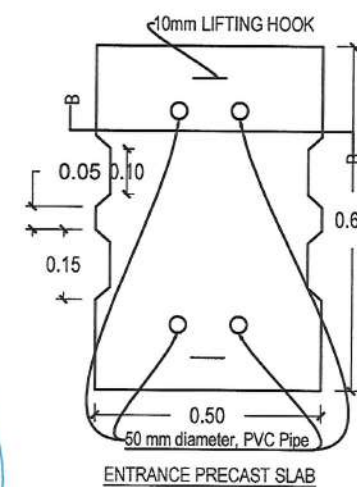
DET-04 SECTION A-A, REINFORCEMENT DETAIL
SCALE: NTS



DET-04 SECTION B-B, REINFORCEMENT DETAIL
SCALE: NTS



DETAIL B



TYPE E SIDE DITCH (W=0.5,H=Varies)M REINFORCEMENT SCHEDULE				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		12	150	
As2		10	150	
As3		12	150	
As4		12	150	

Right Side Ditch			
Station	Station	H	B
0+810	0+850.8	River	
0+850.8	1+170	0.5	0.5
1+170	1+234	Various From 0.5m to 0.95m	0.5
1+234	END	0.5	0.5

Left Side Ditch			
Station	Station	H	B
0+003	0+810	Various From 0.50m to 0.90m	0.5
0+810	0+850.8	River	
0+850.8	1+170	0.5	0.5
1+170	1+234	Various From 0.5m to 0.95m	0.5
1+234	END	0.5	0.5

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:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:
Side Ditch Plan, Section & Details

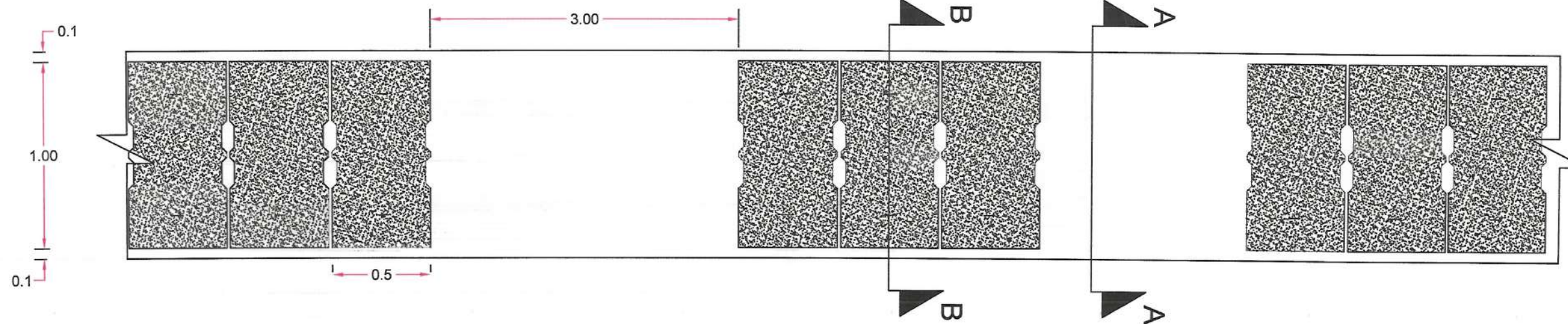
Drawn By: M.Reza Mirzaie	Signature:
Designed By: M. Jafar	Signature:
Checked By: Hasibullah Shalizi	Signature:

Date:
29-10-2023

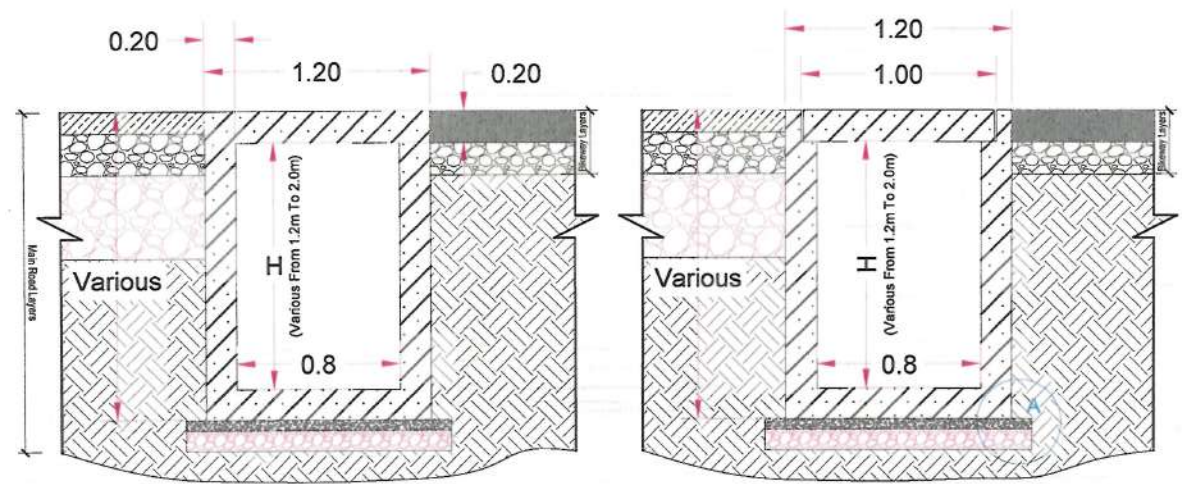
Status:
FINAL DESIGN

Project Code:

Drawing Number	Revision
Ditch Details	01

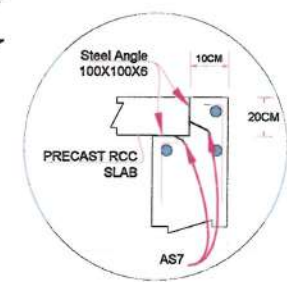
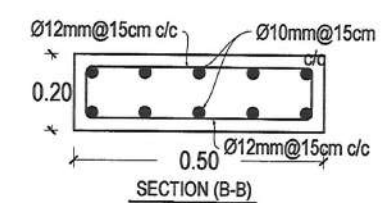
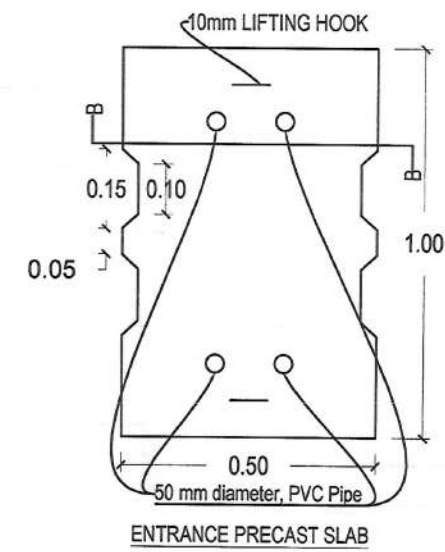
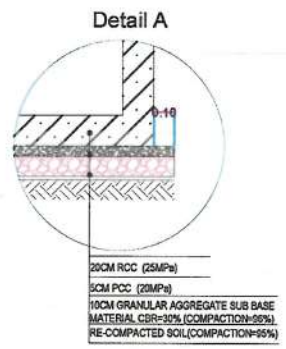


Right Side Canal Plan (Chainage 0+003 to 0+810)

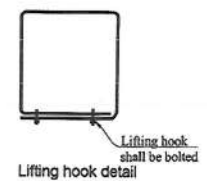


DET-09 CANAL SECTION A-A
SCALE: NTS

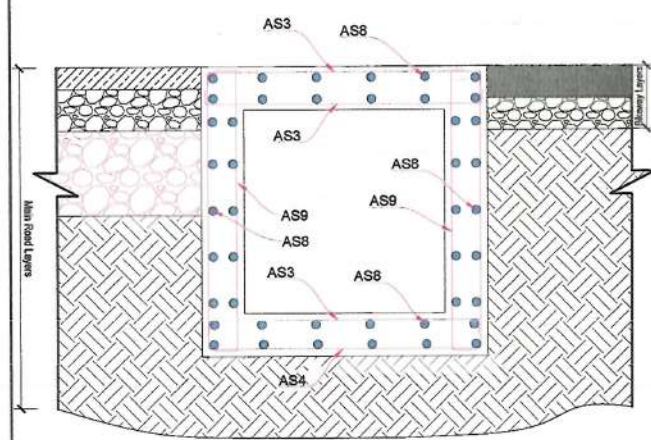
DET-09 CANAL SECTION B-B
SCALE: NTS



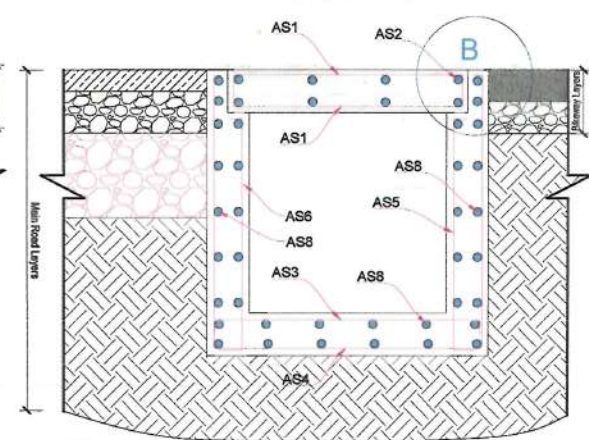
DETAIL B



RIGHT SIDE DITCH				
Bar.No	Bar Shape	Ø (mm)	Spacing (mm)	Remark
As1		14	150	
As2		12	150	
As3		14	150	
As4		14	150	
As5		14	150	
As6		14	150	
As7		8		
As8		12	150	
As9		14	150	



DET-SEC
SCALE: NTS

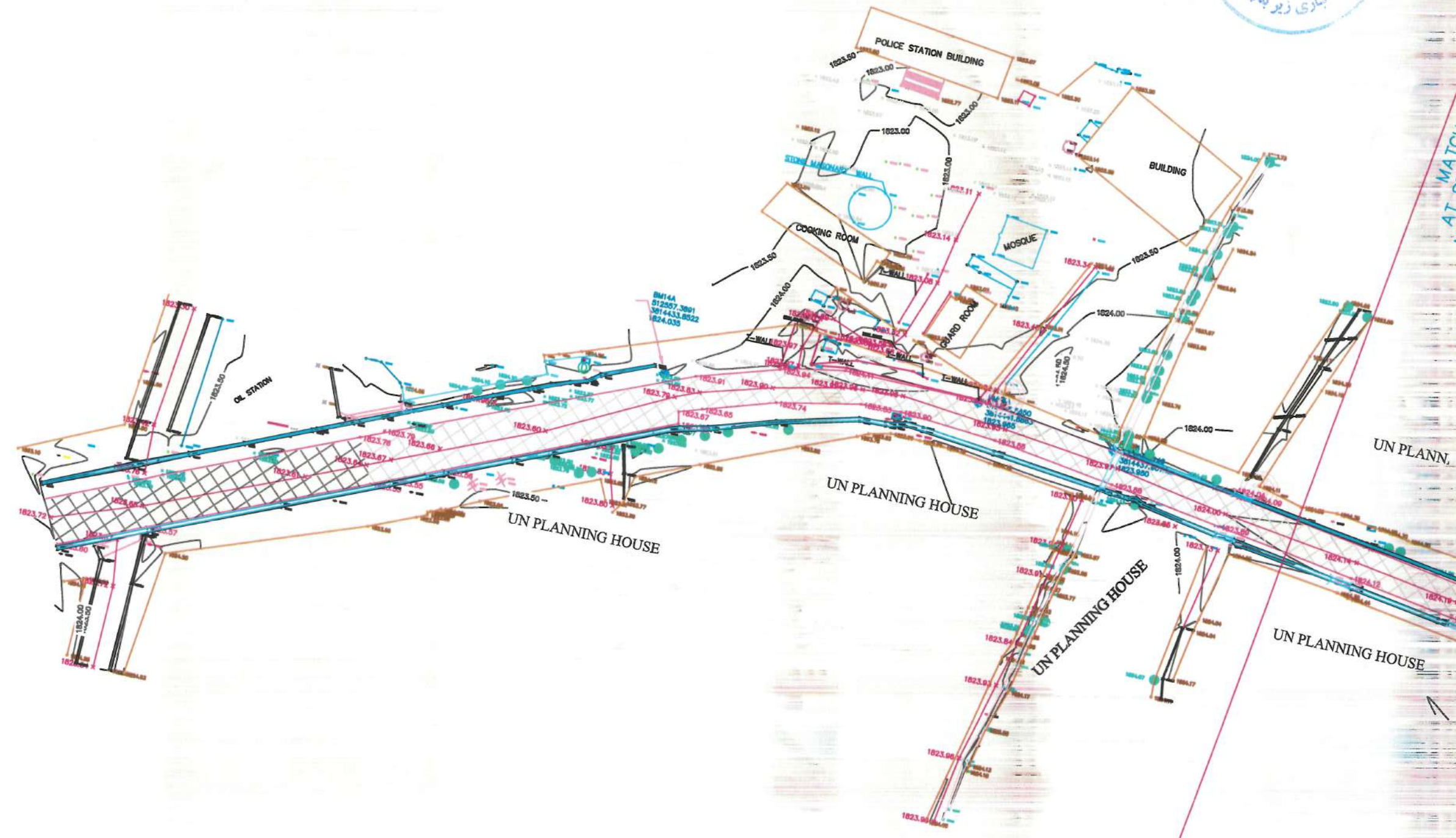


DET-SEC
SCALE: NTS

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
Islamic Emirate of Afghanistan					
Designed By:					
KABUL MUNICIPALITY DESIGN TEAM					
Project Name:					
Pol-e-Hassan To Bagh-e-Chelston Road Project					
Drawing Title:					
Canal Plan, Section& Details					
Drawn By:		Signature:			
Designed By:		Signature:			
Checked By:		Signature:			
Date:		Scale:			
29-10-2023		NTS			
Status: FINAL DESIGN					
Project Code					
Drawing Number					Revision
Canal Details					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 DECH	TD
BM	BENCHMARK	BM
STA	STATION	STA
CEP	CENTER POINT	CEP
RE	ROAD EDGE	RE
TRV	TOP OF RIVER	TRV
BRV	BOTTOM OF RIVER	BRV
WALL	WALL	WALL
TCU	TOP OF CULVERT	TCU
BR	EXISTING BRIDGE	BR
MSQ	MASQUE	MSQ
HP	HAND PUMP	HP
WELL	WELL	WELL
TP	TOP OF PUMP	TP
CN	CONTAINER	CN
TCU	CULVERT	TCU
RT	ROAD TRAIL	RT
CONTOUR	CONTOUR	CONTOUR
PAVED ROAD	PAVED ROAD	PAVED ROAD
ASPHALT ROAD	ASPHALT ROAD	ASPHALT ROAD

DATE	REVISION DETAILS	DRAWN

ISLAMIC EMIRATE OF AFGHANISTAN
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM

PROJECT NAME:
SURVEY OF POOL HASAN TO BAGH CHELSOTUN

DRAWING TITLE:
TOPOGRAPHIC SURVEY

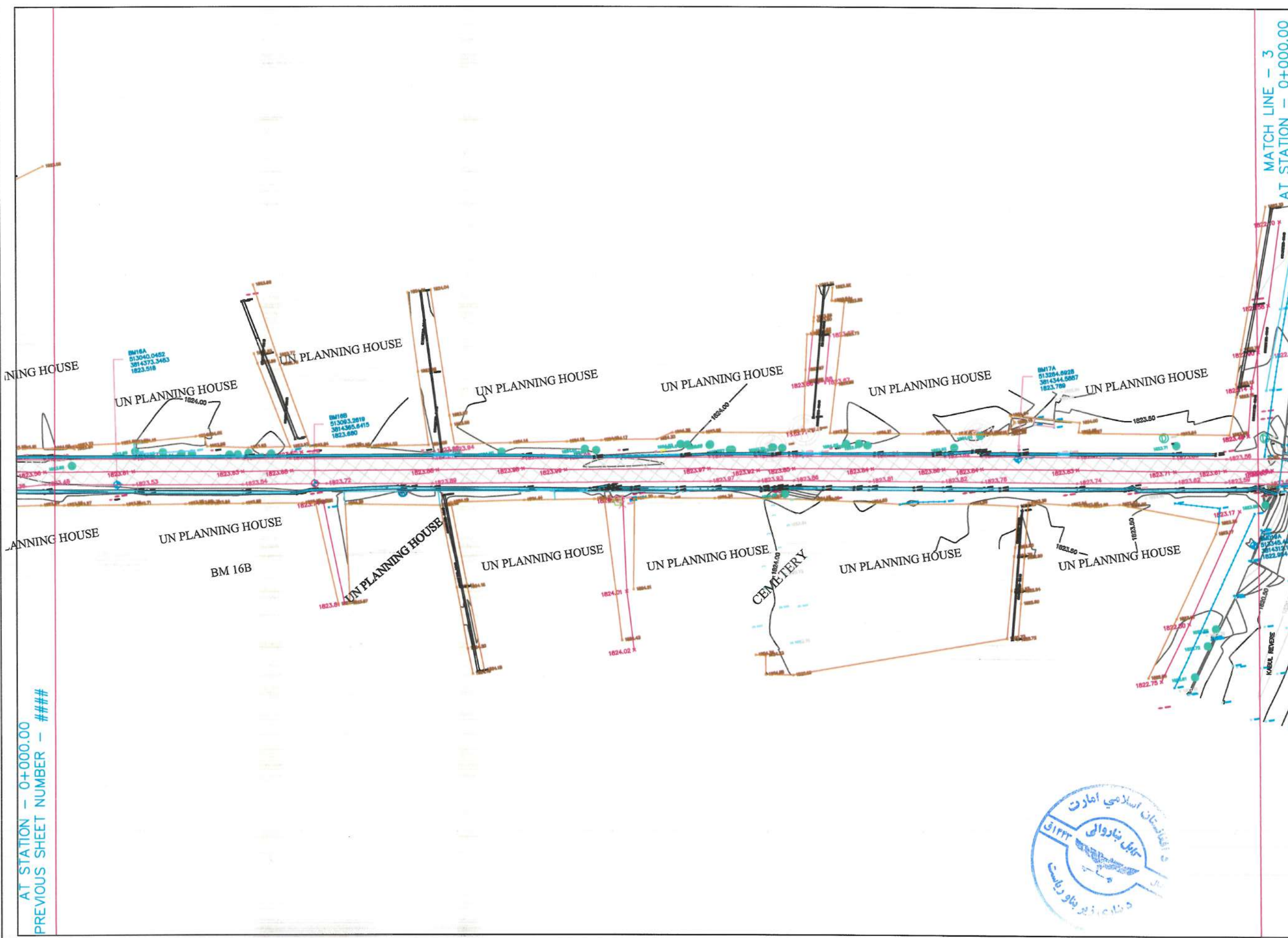
AKRAMUDAIN: [Signature]
ABDULLAH: [Signature]
HASHMATULLAH: [Signature]
HEAD OF SURVEY: SAYED ATIQ

DATE: [Blank] SCALE: [Blank]

STATUS: SURVEY

PROJECT CODE:

DRAWING #: 1



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

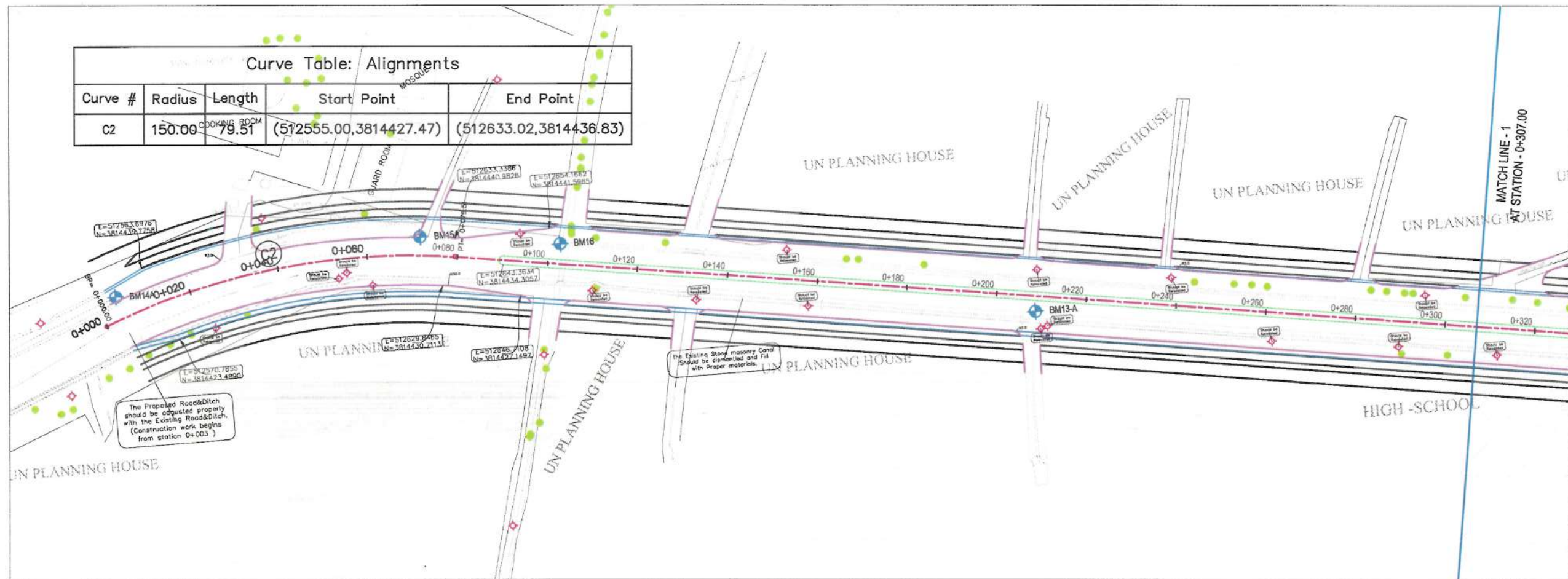
LEGENDS

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
—	CONCRETE PUMP	TP
—	CONTAINER	CN
—	CULVERT	TCU
—	PAVED ROAD	PR
—	ASPHALT ROAD	AR

DATE	REVISION DETAILS	DRAWN
ISLAMIC EMIRATE OF AFGHANISTAN		
SURVEYED BY: KABUL MUNICIPALITY SURVEY TEAM		
PROJECT NAME: SURVEY OF POOL HASAN TO BAGH CHELSOTUN		
DRAWING TITLE: TOPOGRAPHIC SURVEY		
AKRAMUDAIN:		
ABDULLAH:		
HASHMATULLAH:		
HEAD OF SURVEY: SAYED ATIQ:		
DATE:	SCALE:	
STATUS: SURVEY		
PROJECT CODE:		
DRAWING #:	3	

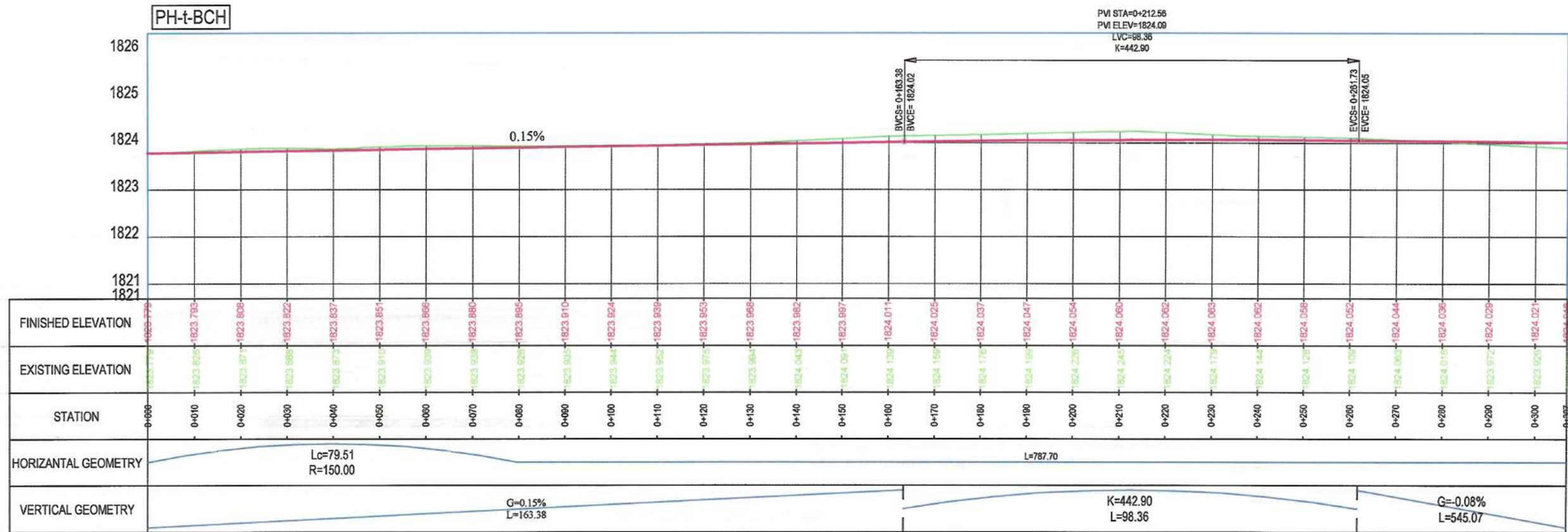


Curve Table: Alignments				
Curve #	Radius	Length	Start Point	End Point
C2	150.00	79.51	(512555.00,3814427.47)	(512633.02,3814436.83)

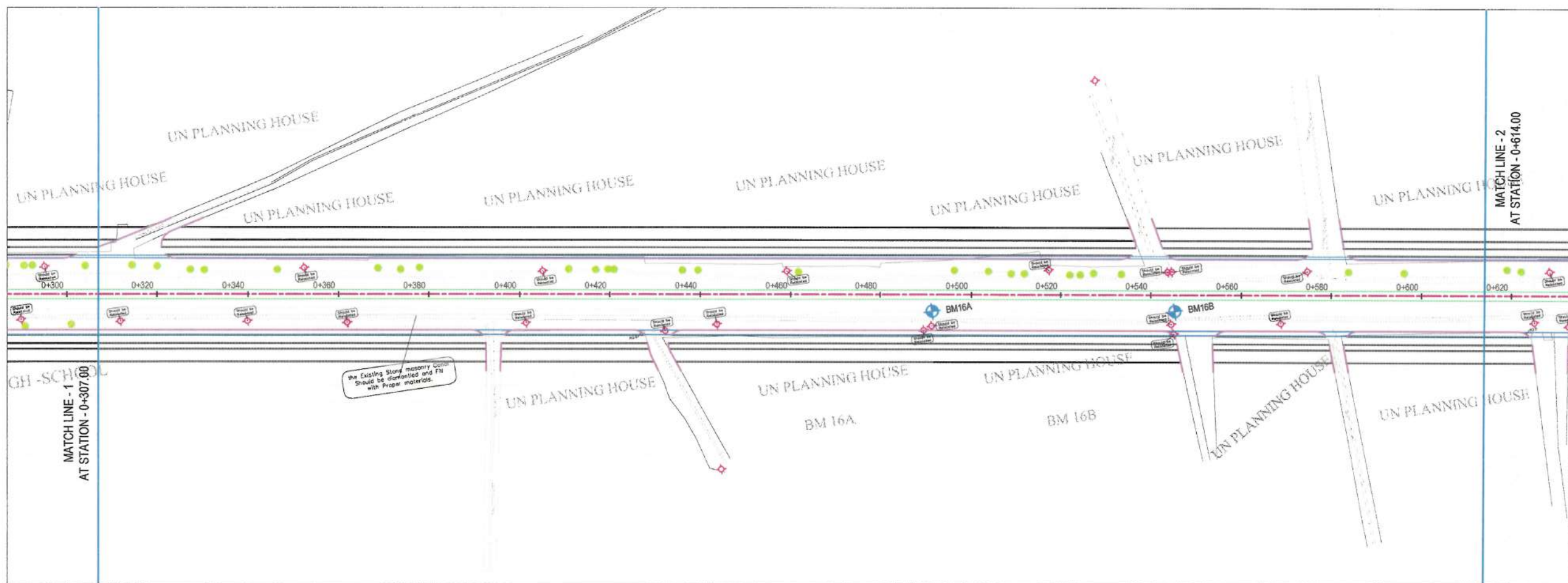


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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: Pol-e-Hassan To Bagh-e-Chehliston Road Project					
Drawing Title: PLAN & PROFILE					
Drawn: M.Ali Dawlatzade	Signature:				
Geometric Designed: M.Ali Dawlatzade	Signature:				
Checked: M.Essa Sirt	Signature:				
Checked: Hasibullah Shalizi	Signature:				
Date: 9/5/2023	Scale: 1:1000	Status: FINAL DESIGN			
Project Code					
SHEET NO. PP					Revision 01

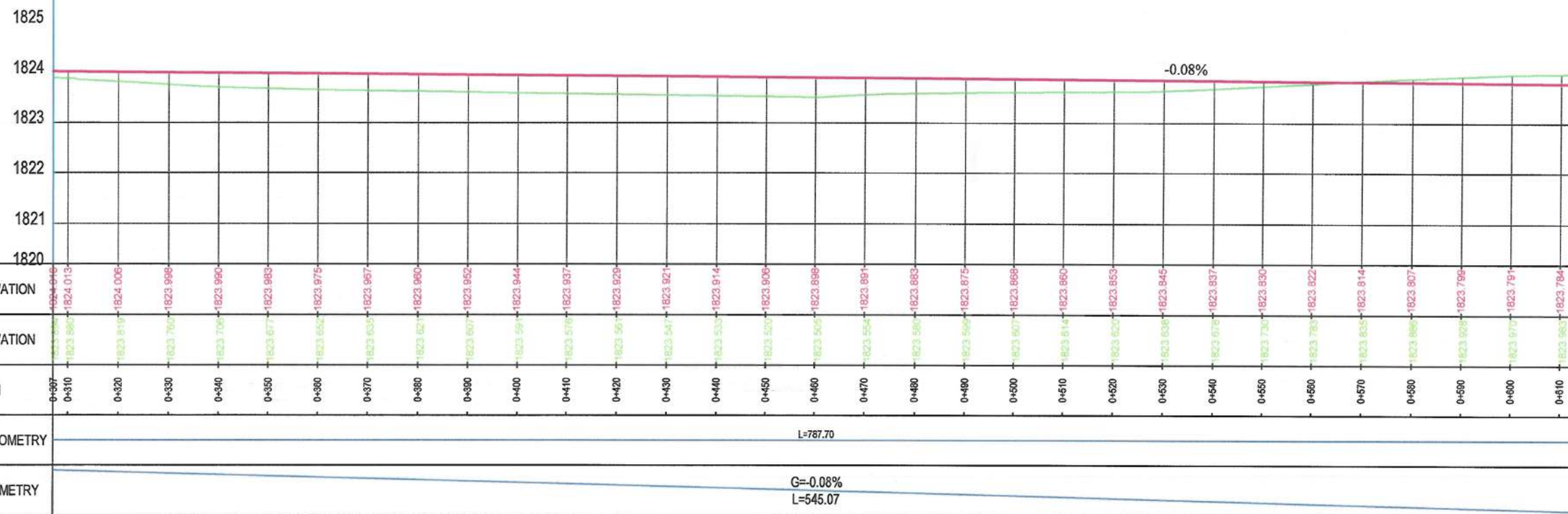


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



PH-t-BCH



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

PLAN & PROFILE

Drawn: M.Ali Dawlatzade Signature: [Signature]

Geometric Designed: M.Ali Dawlatzade Signature: [Signature]

Checked: M.Essa Sirat Signature: [Signature]

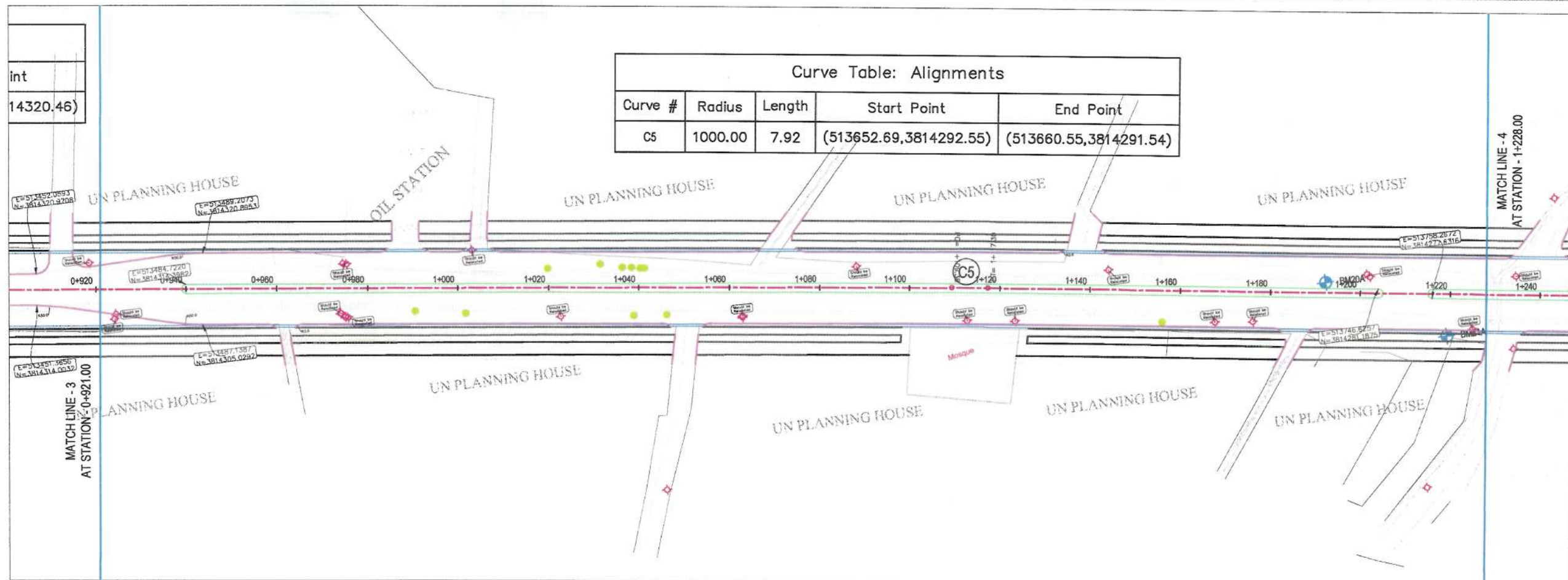
Checked: Hasibullah Shalizi Signature: [Signature]

Date: 9/5/2023 Scale: 1:1000

Status: FINEL DESIGN

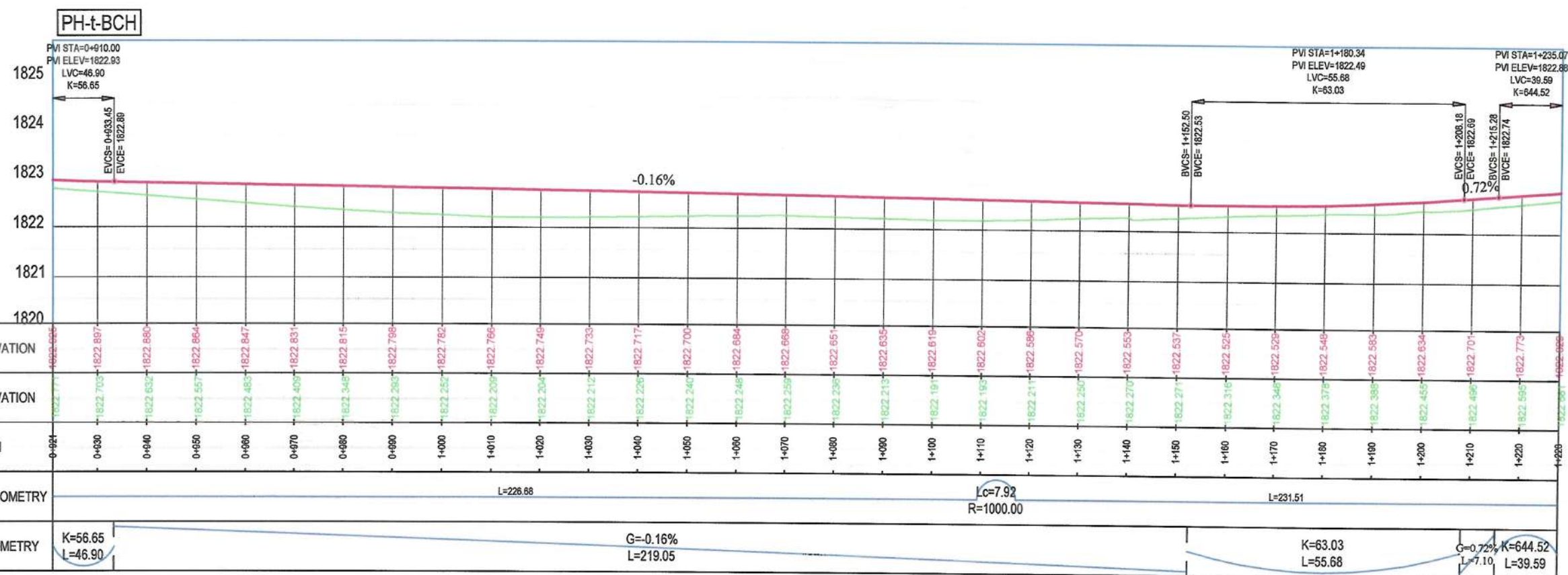
Project Code

SHEET NO. PP (1) Revision 01



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

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehistan Road Project

Drawing Title:
PLAN & PROFILE

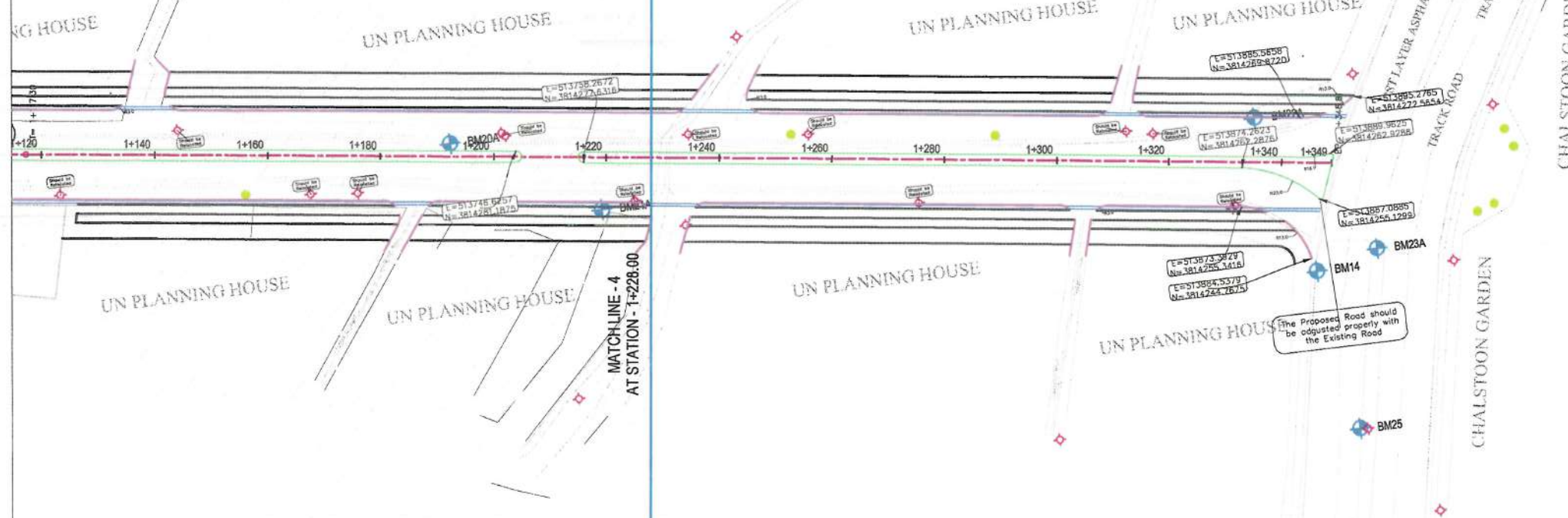
Drawn: M.Ali Dawlatzade
Geometric Designed: M.Ali Dawlatzade
Checked: M.Essa Sirat
Checked: Habibullah Shalizi

Date: 9/5/2023
Scale: 1:1000

Status: FINAL DESIGN
Project Code:

SHEET NO. PP (3)
Revision 01

nts	End Point
5)	(513660.55,3814291.54)



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:
Pol-e-Hassan To Bagh-e-Chelston Road Project

Dwng Title:
PLAN & PROFILE

Drawn: M.Ali Dawlatzada	Signature:
Geometric Designed: M.Ali Dawlatzada	Signature:
Checked: M.Essa Sirat	Signature:
Checked: Haidullah Shalizi	Signature:

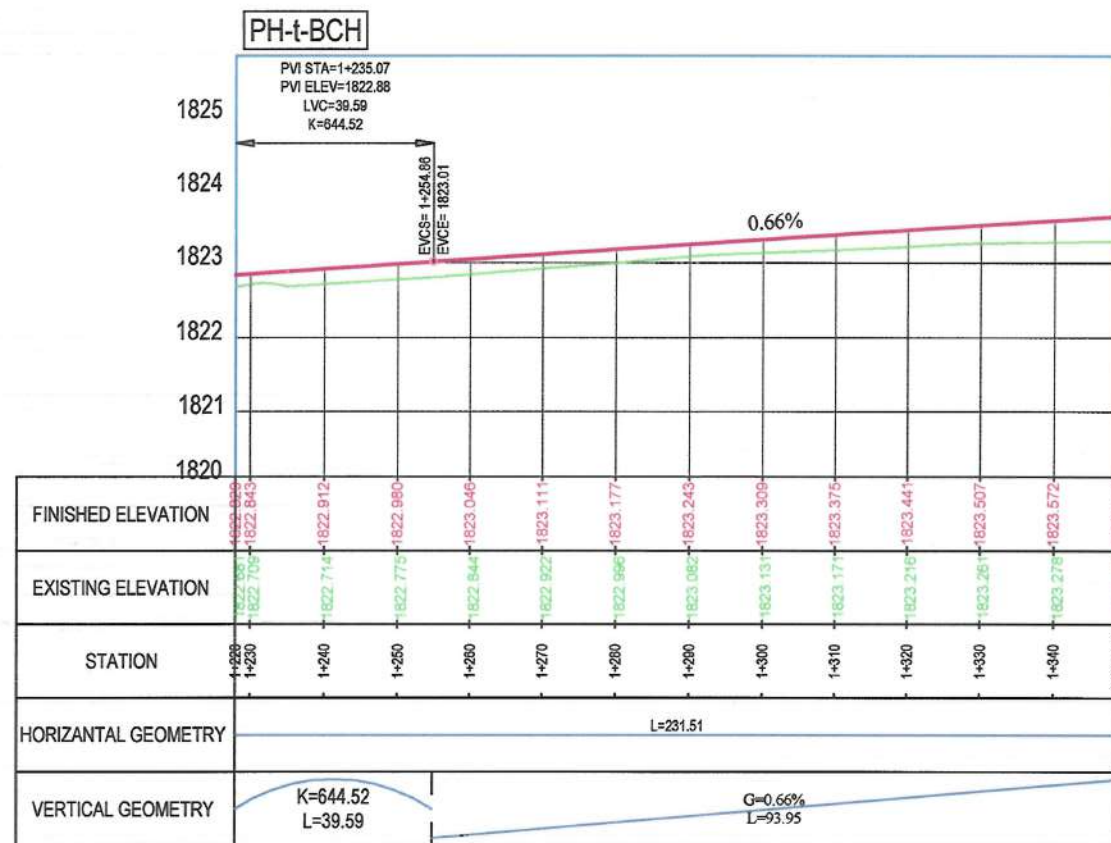
Date:
9/5/2023

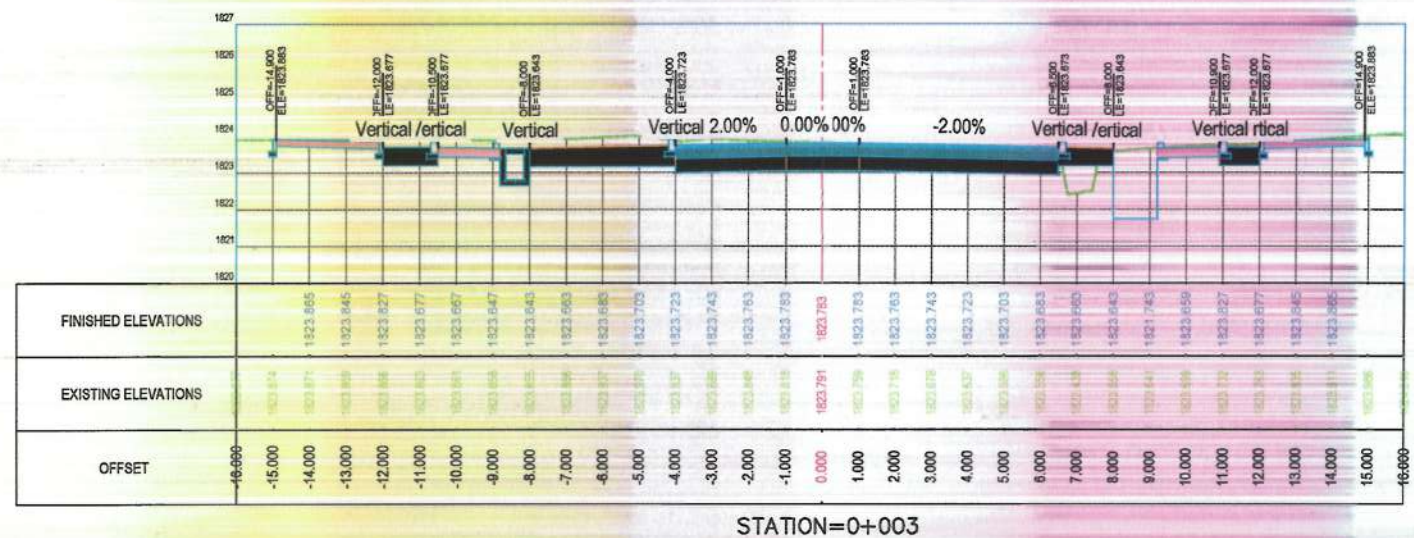
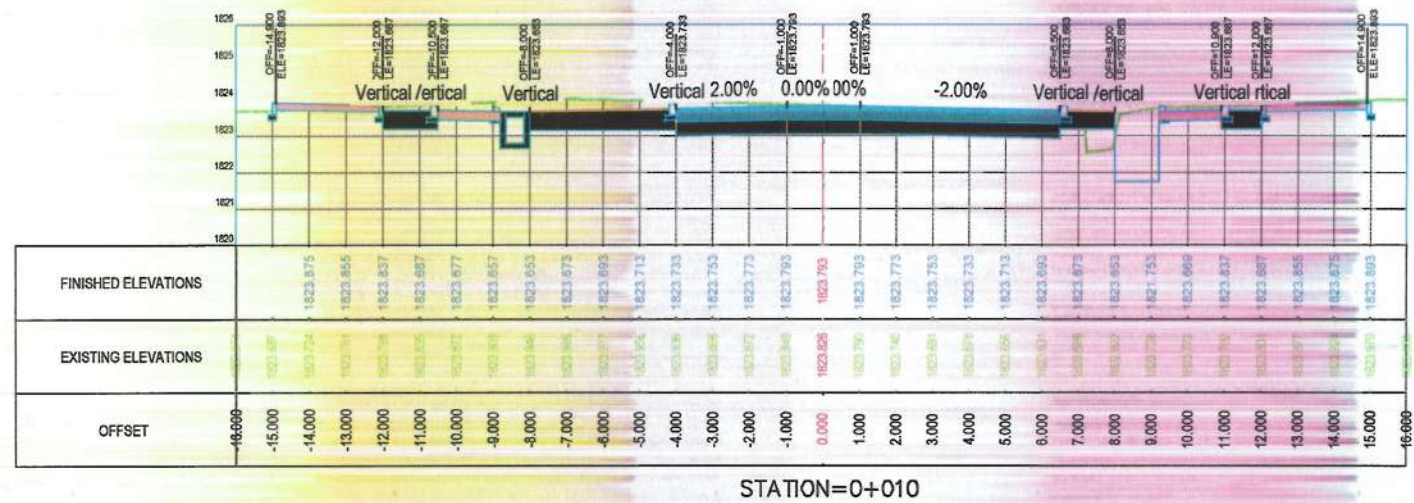
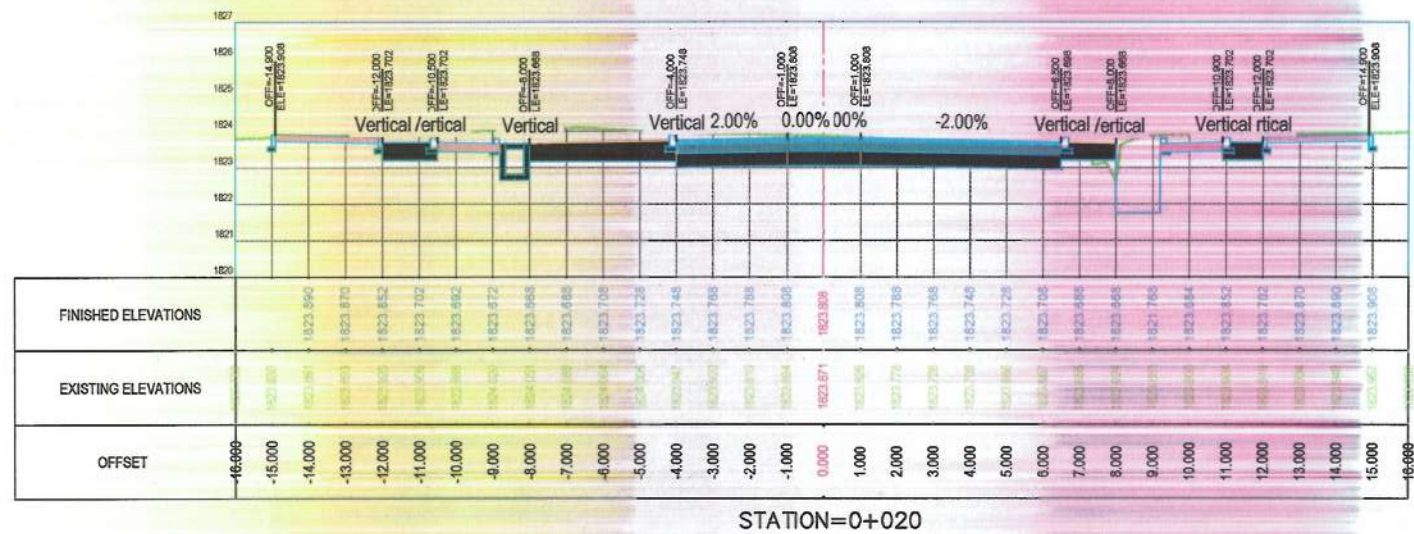
Scale:
1:1000

Status:
FINAL DESIGN

Project Code

SHEET NO.	Revision
PP (4)	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:
Pol-e-Hassan To Bagh-e-Cheheltan Road Project

Drawing Title:
CROSS SECTION

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

Date:
10/31/2023

Status:
FINAL
DESIGN

Project Code

SHEET NO. CS - (1)	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:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:
CROSS SECTION

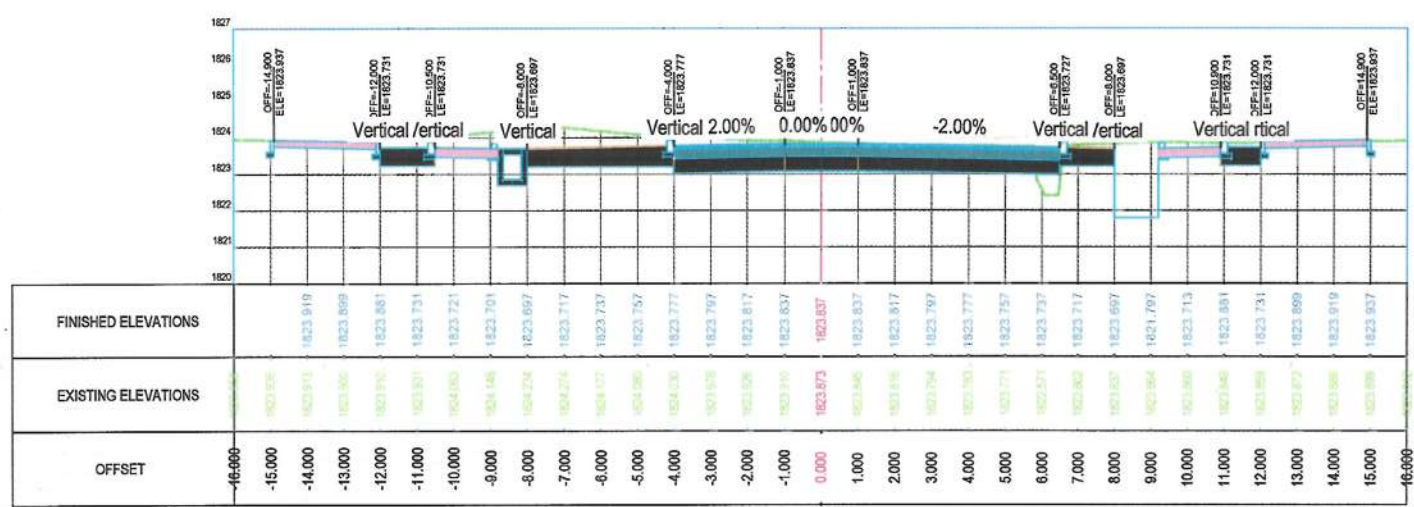
Drawn: M.Ali Dawlatzade	Signature: 
Designed: M.Ali Dawlatzade	Signature: 
Checked: M.Farooq Sirt	Signature: 
Checked: Hasibullah Shalizi	Signature: 

Date: 10/31/2023 Scale: 1:200

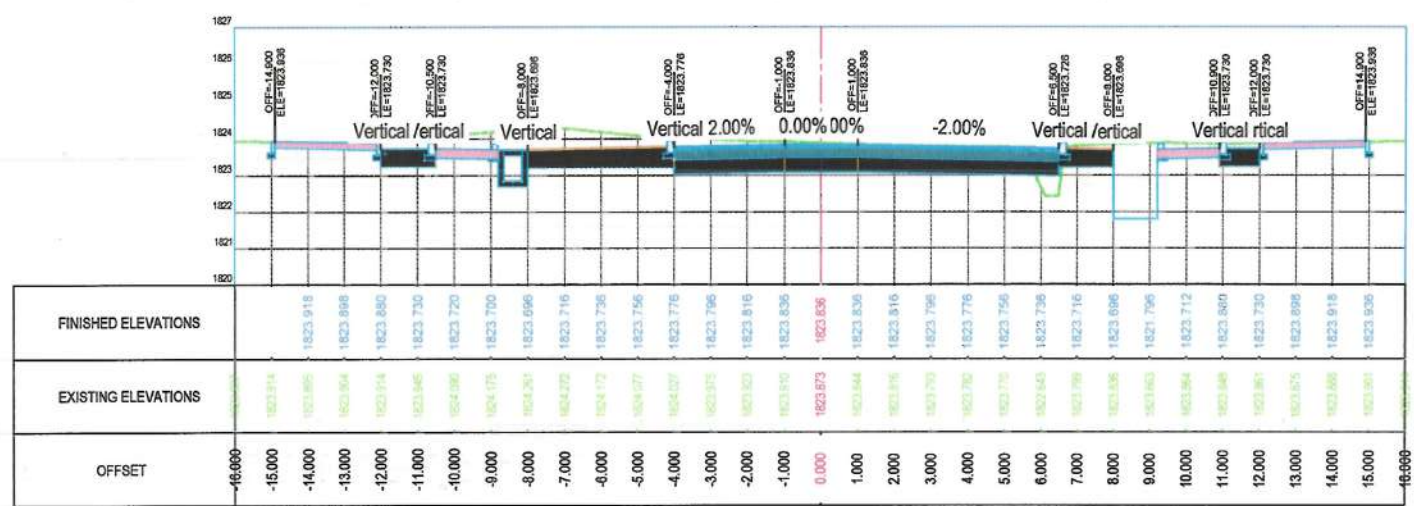
Status: **FINAL
DESIGN**

Project Code

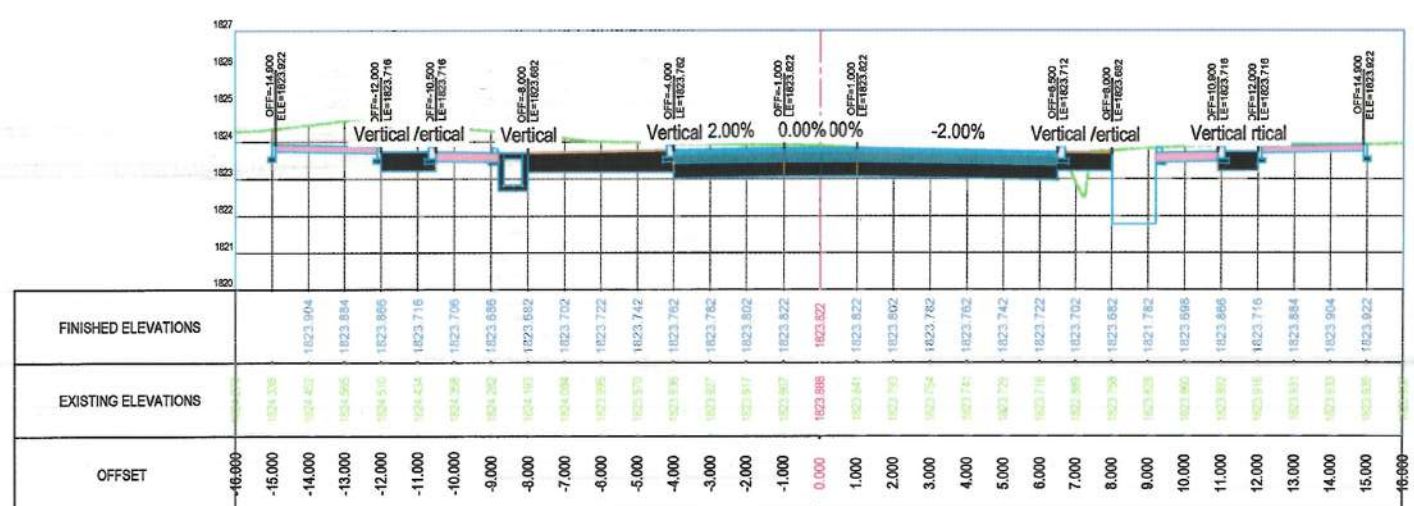
SHEET NO. CS - (2)	Revision 01
------------------------------	-----------------------



STATION=0+040



STATION=0+040



STATION=0+030

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:
Pol-e-Hassan To Bagh-e-Chahkhor Road Project

Drawing Title:

CROSS SECTION

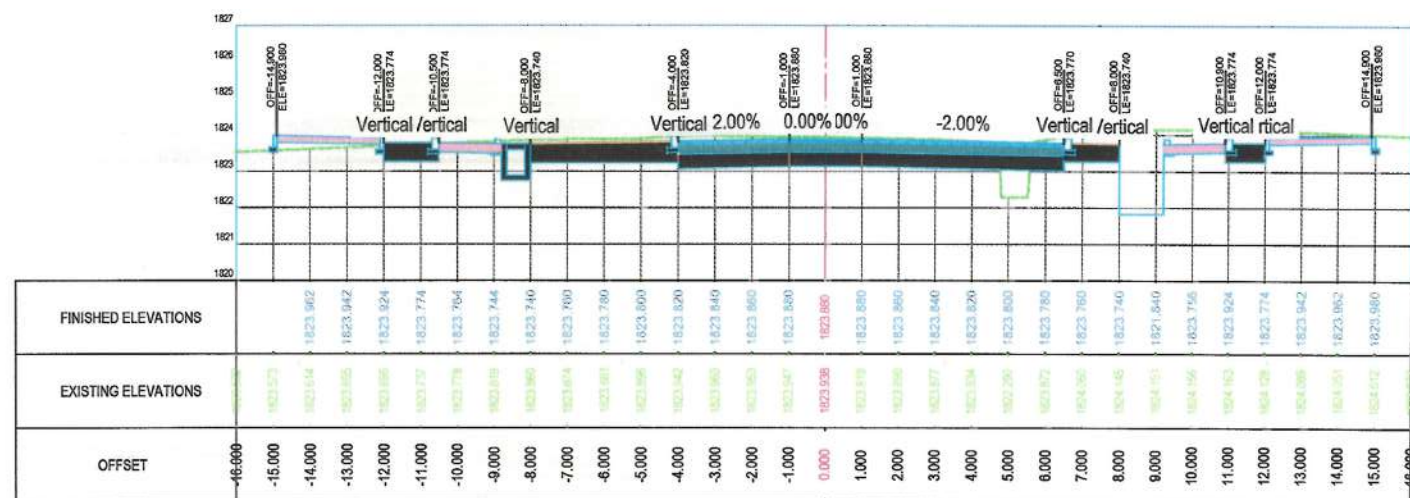
Drawn: M.Ali Derwizatrad
Designed: M.Ali Derwizatrad
Checked: M.Essa Sifat
Checked: Habibullah Shalizi

Date: 10/31/2023
Scale: 1:200

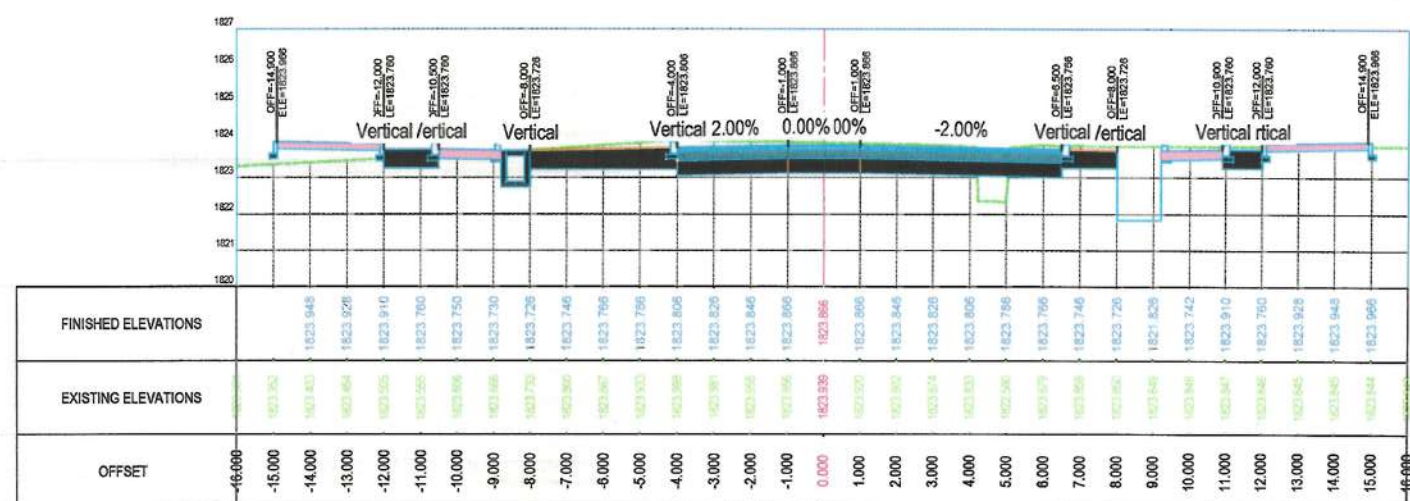
Status: FINAL
DESIGN

Project Code

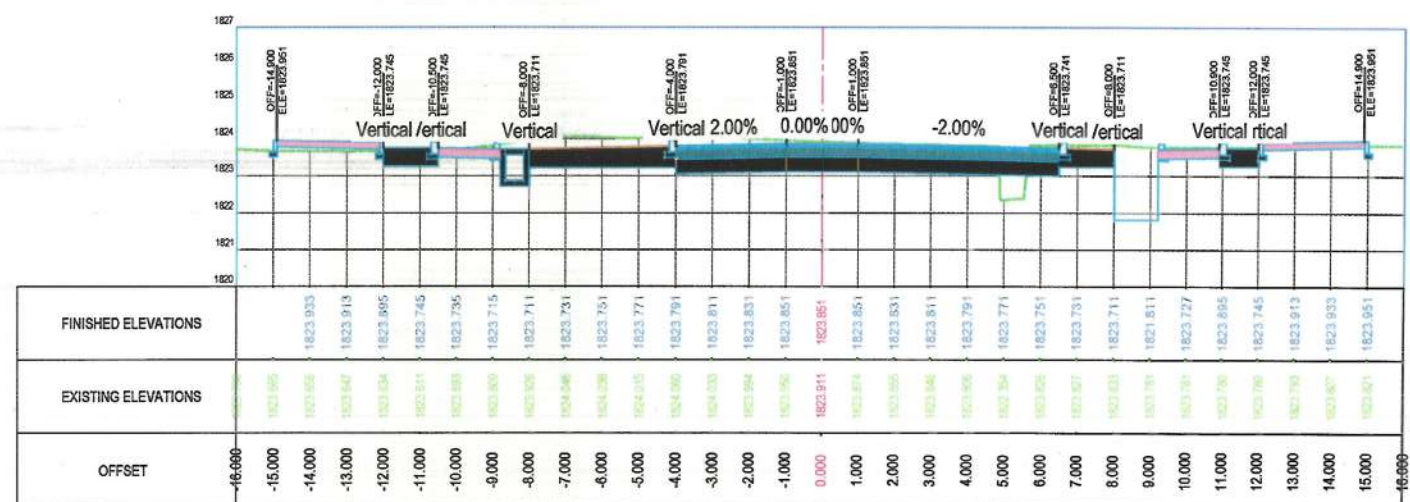
SHEET NO. CS - (3)
Revision 01



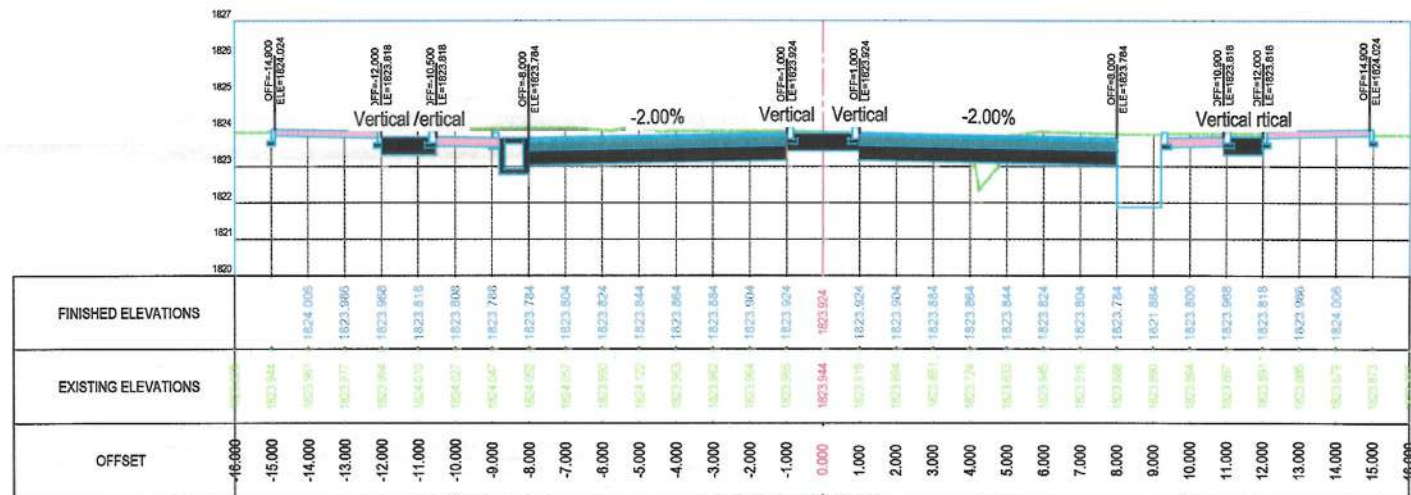
STATION=0+070



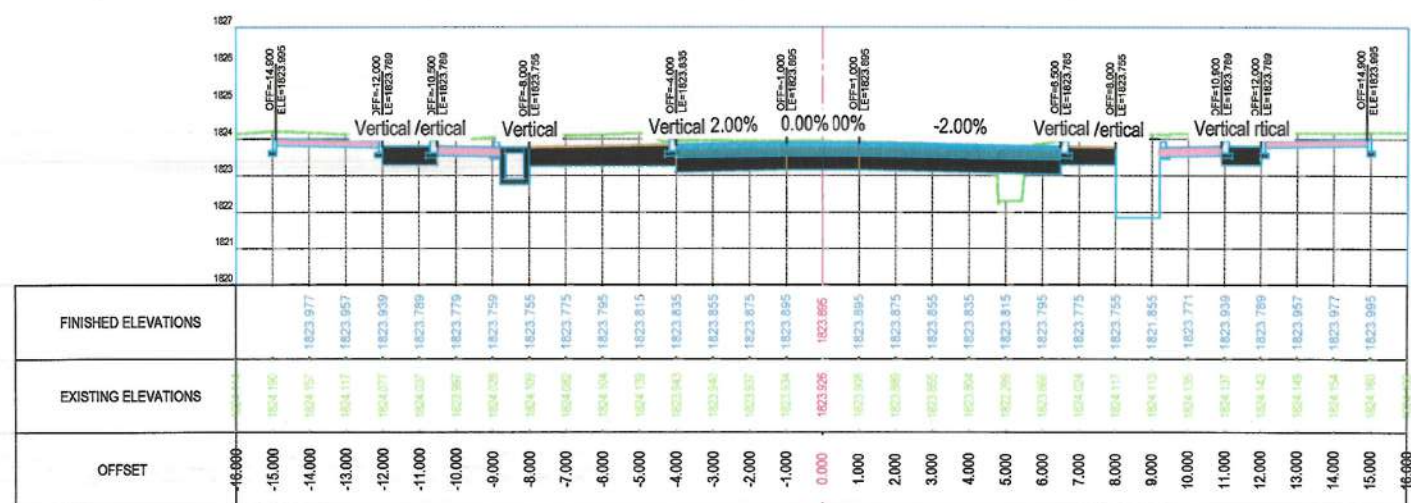
STATION=0+060



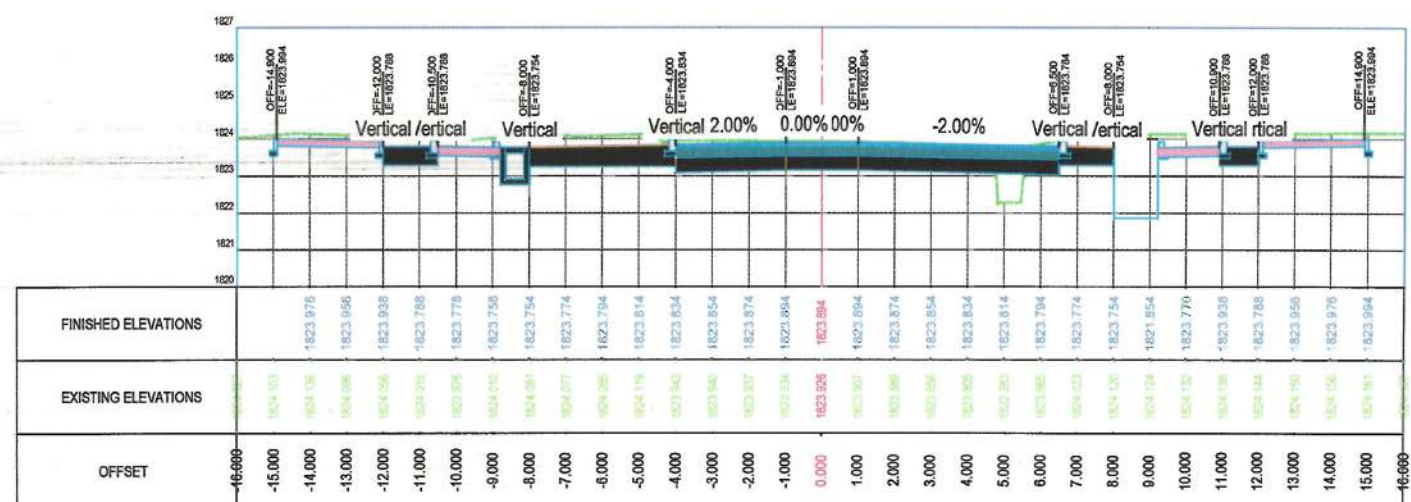
STATION=0+050



STATION=0+100



STATION=0+080



STATION=0+080

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:
Pol-e Hassan To Bagh-e Chelston Road Project

Drawing Title:

CROSS SECTION

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

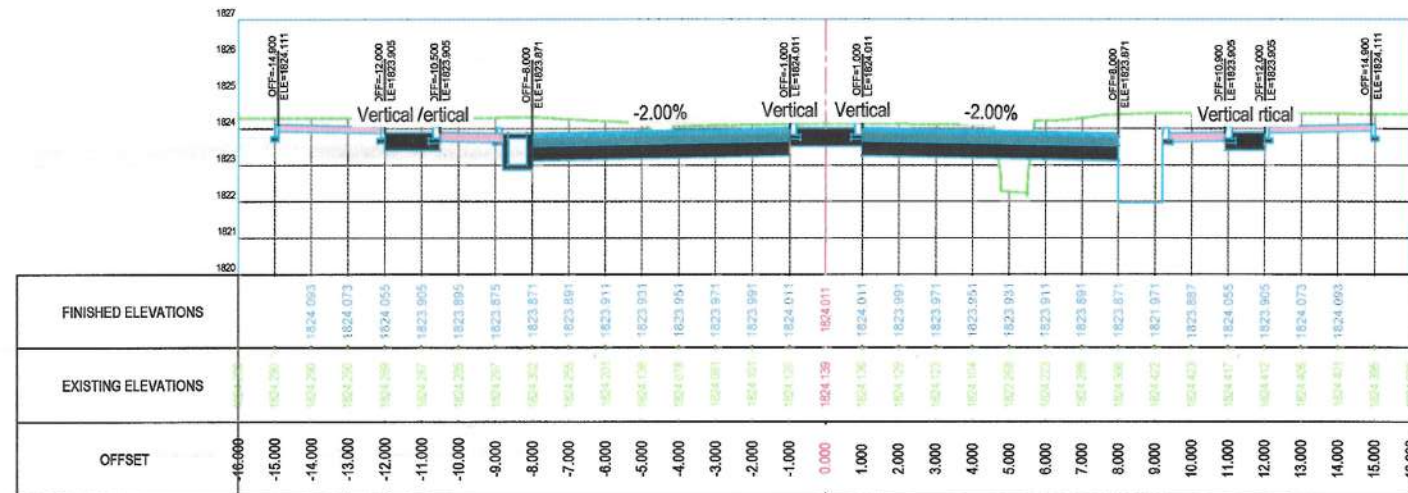
Date:
10/31/2023

Scale:
1:200

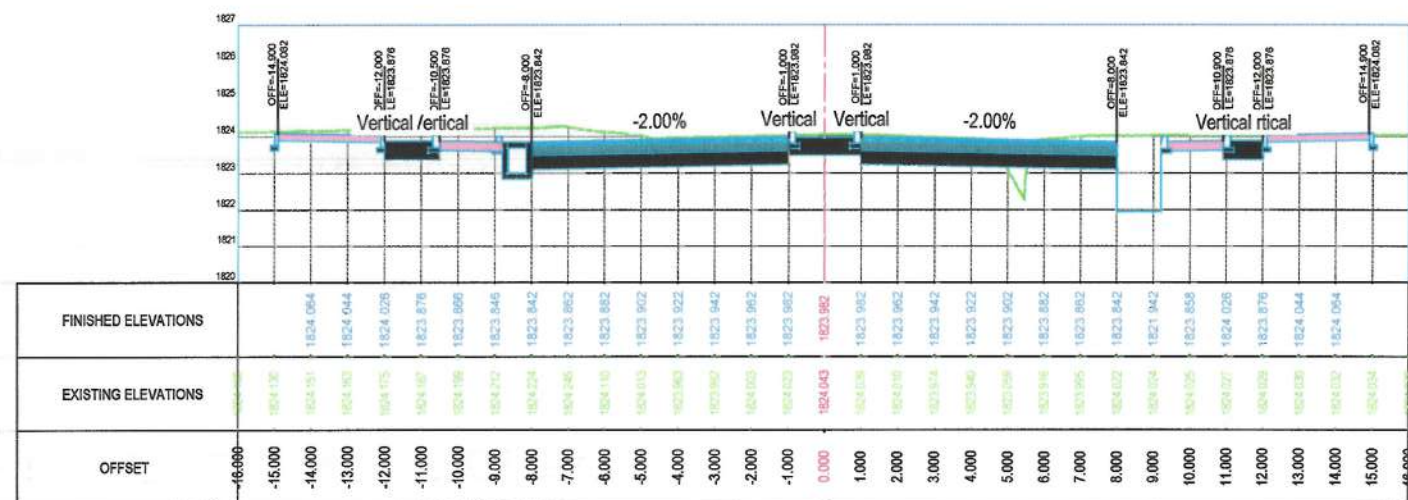
Status:
FINAL
DESIGN

Project Code

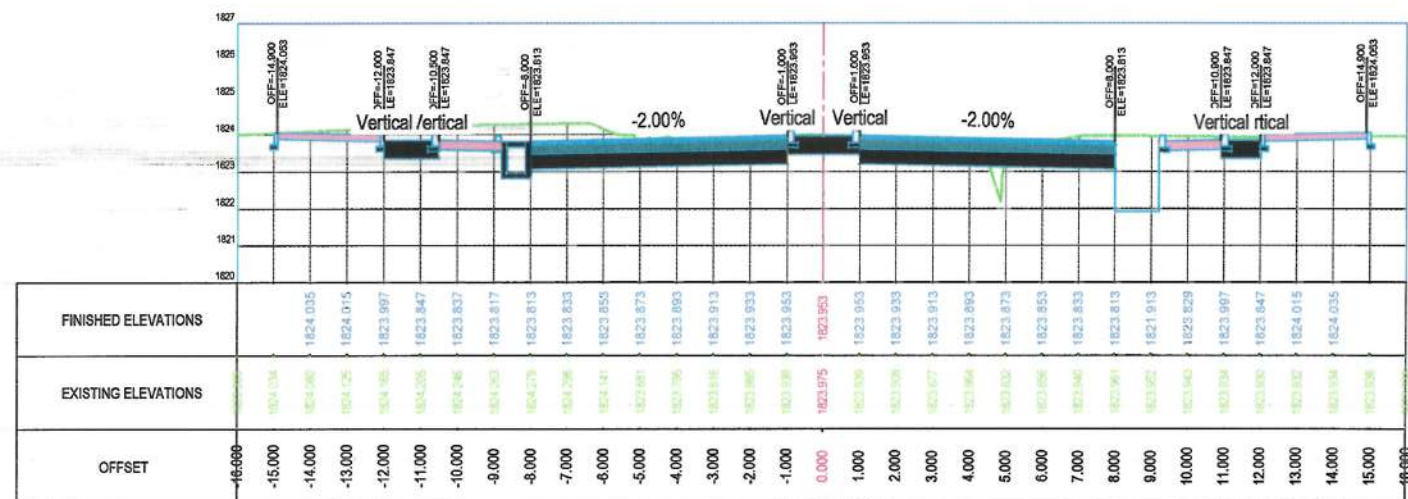
SHEET NO.	Revision
CS - (4)	01



STATION=0+160



STATION=0+140



STATION=0+120

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:
Pol-e-Hassan To Baghe-Chehistan Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: M.Essa Sirt Signature:

Checked: Habibullah Shalizi Signature:

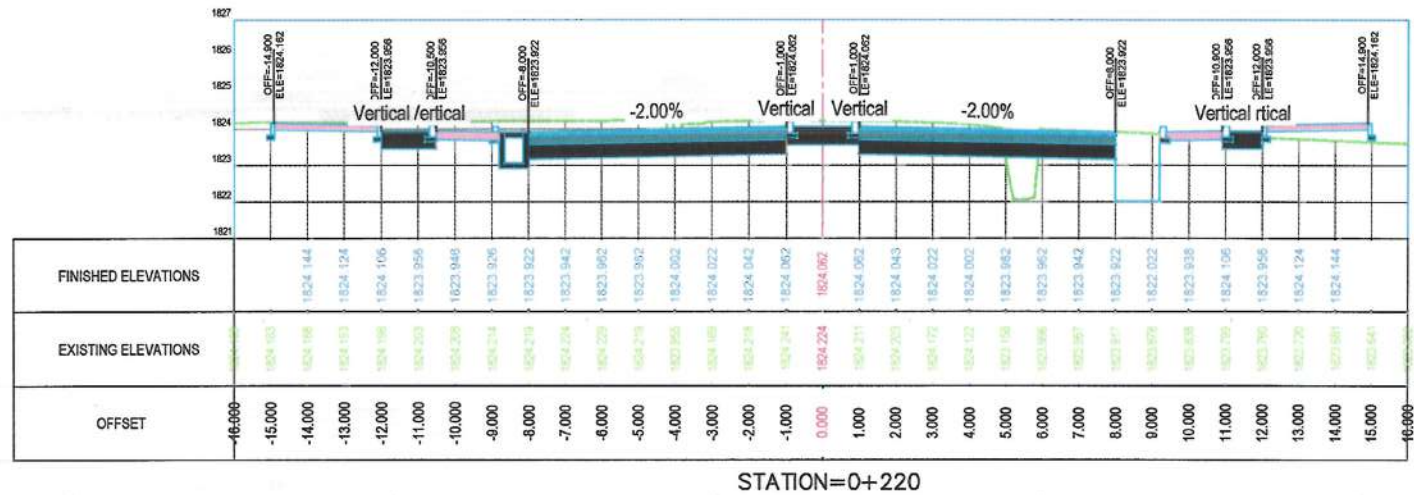
Date: 10/31/2023 Scale: 1:200

Status: FINAL DESIGN

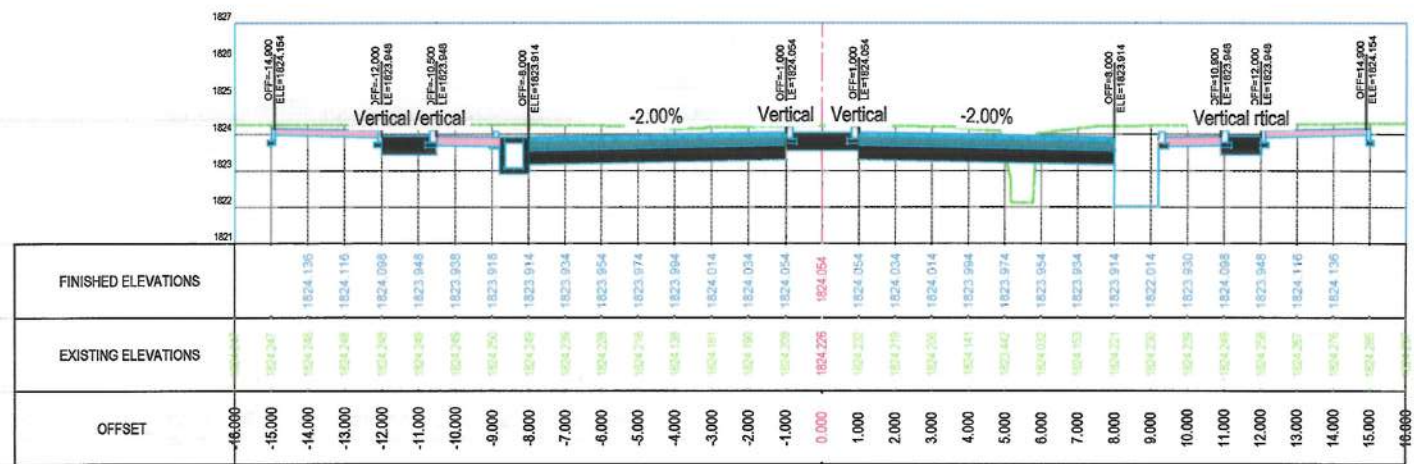
Project Code

SHEET NO. CS - (5)

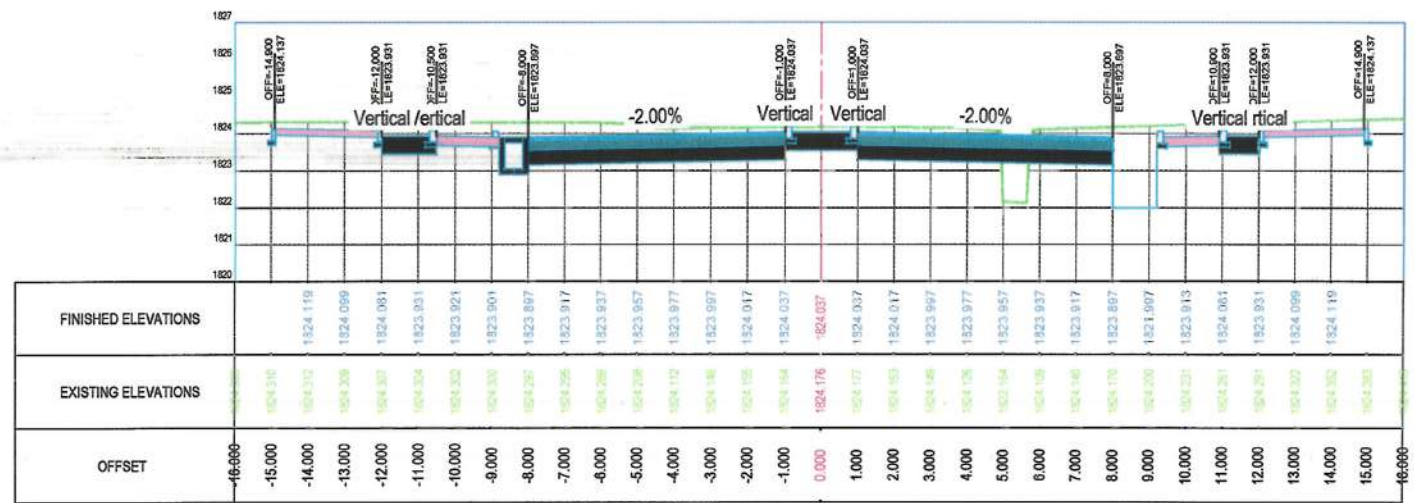
Revision 01



STATION=0+220



STATION=0+200



STATION=0+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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzade Signature:

Designed: M.Ali Dawlatzade Signature:

Checked: M.Emin Sirat Signature:

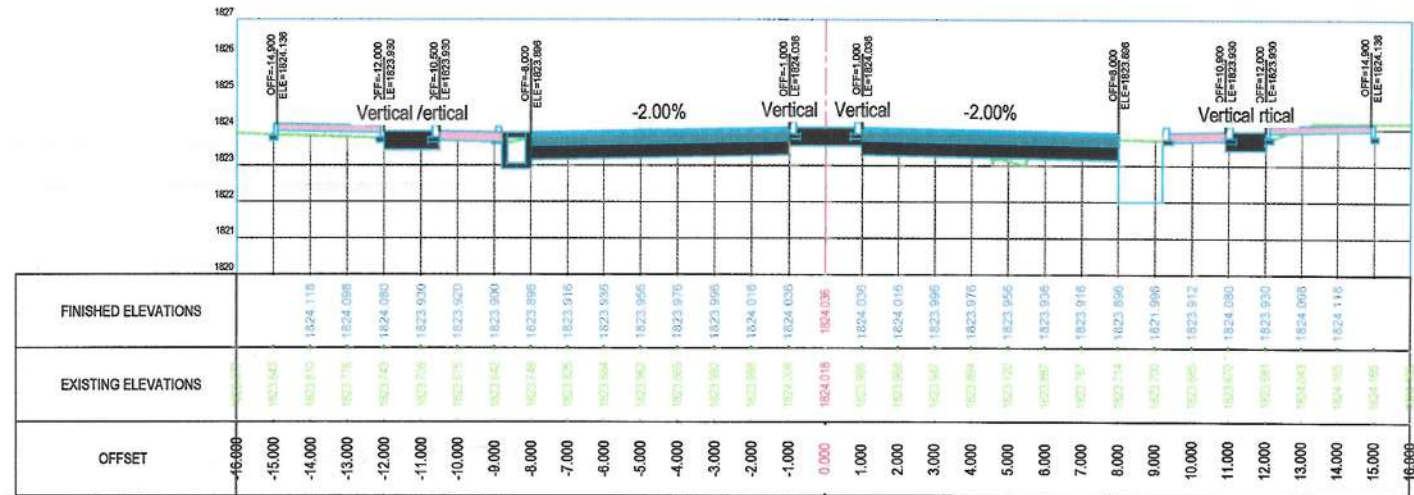
Checked: Habibullah Shalizi Signature:

Date: 10/31/2023 Scale: 1:200

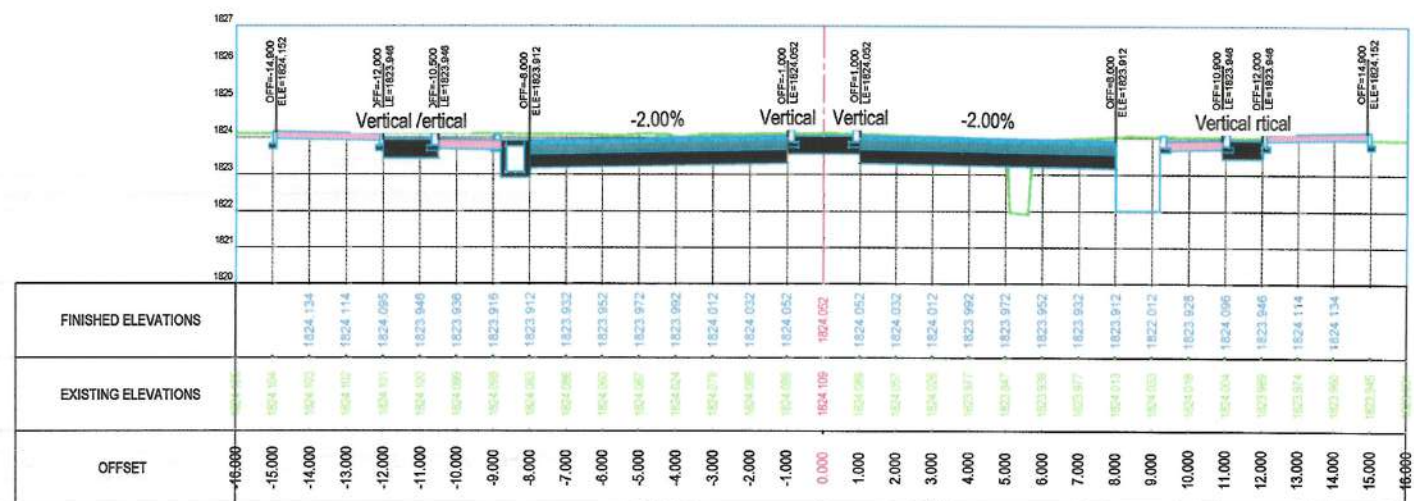
Status: FINAL
DESIGN

Project Code

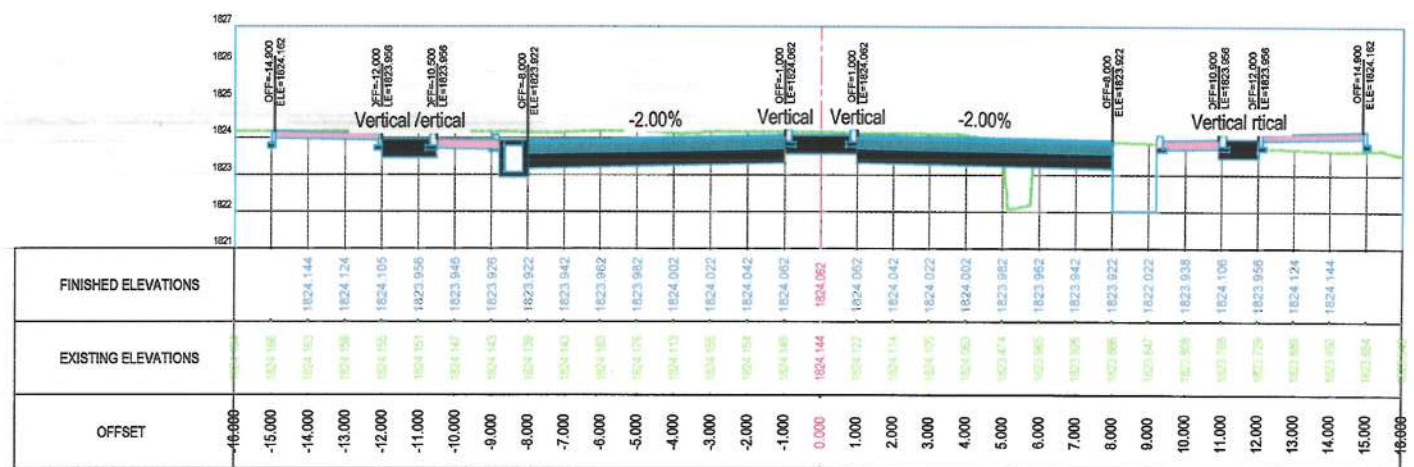
SHEET NO. CS - (6) Revision 01



STATION=0+280



STATION=0+260



STATION=0+240

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:
Pol-e-Hassan To Bagh-e-Chchiston Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Essa Sirt	Signature:
Checked: Hesibullah Shalizi	Signature:

Date:
10/31/2023

Scale:
1:200

Status:
**FINAL
DESIGN**

Project Code:


SHEET NO. CS - (7)	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:
Pol-e-Hassan To Bagh-e-Chahkhan Road Project

Drawing Title:
CROSS SECTION

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

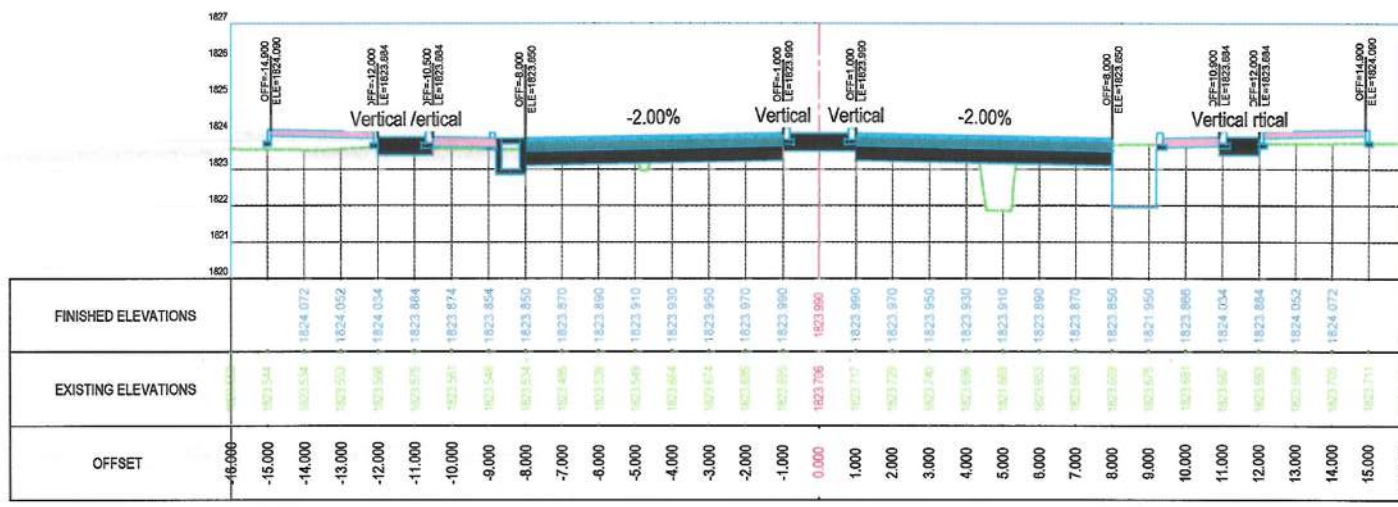
Date: 10/31/2023 Scale: 1:200

Status: **FINAL
DESIGN**

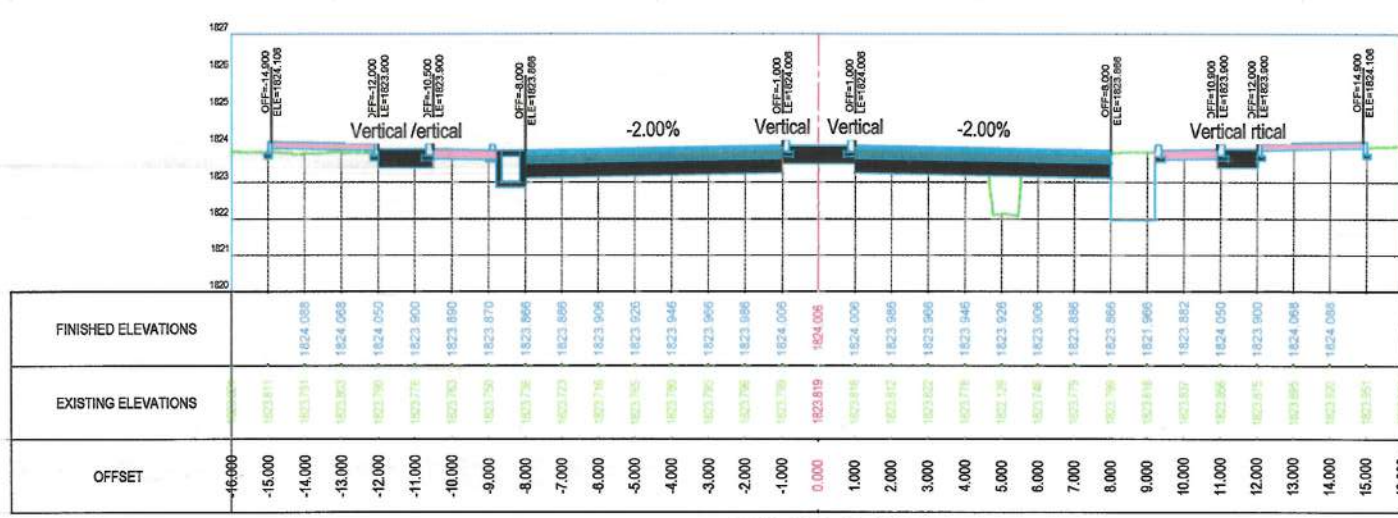
Project Code

SHEET NO.
CS - (8)

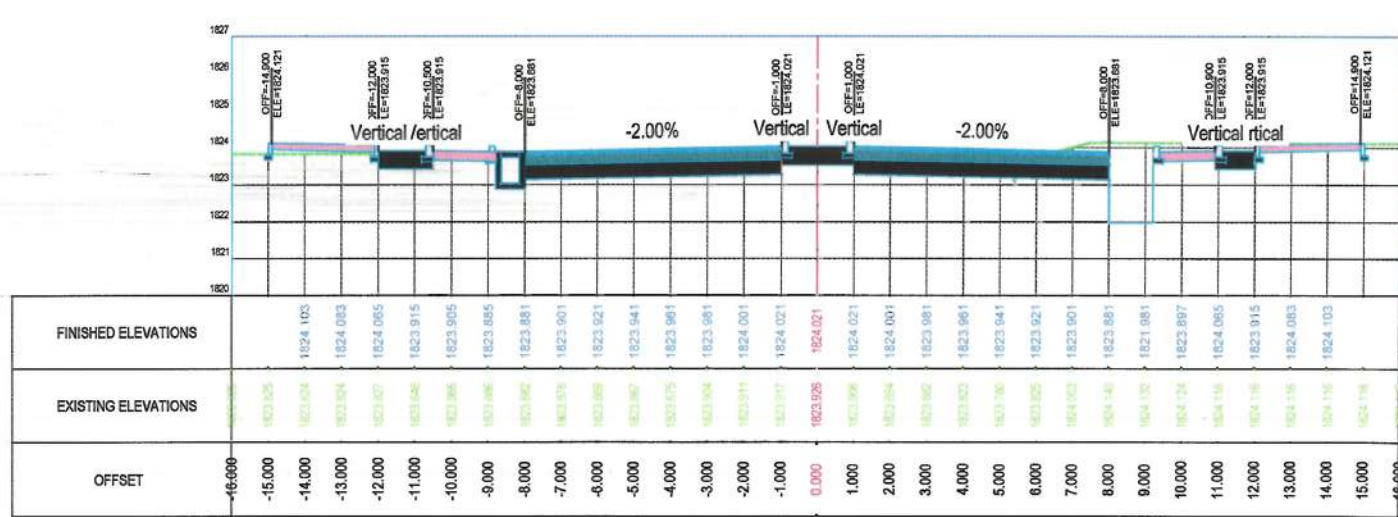
Revision
01



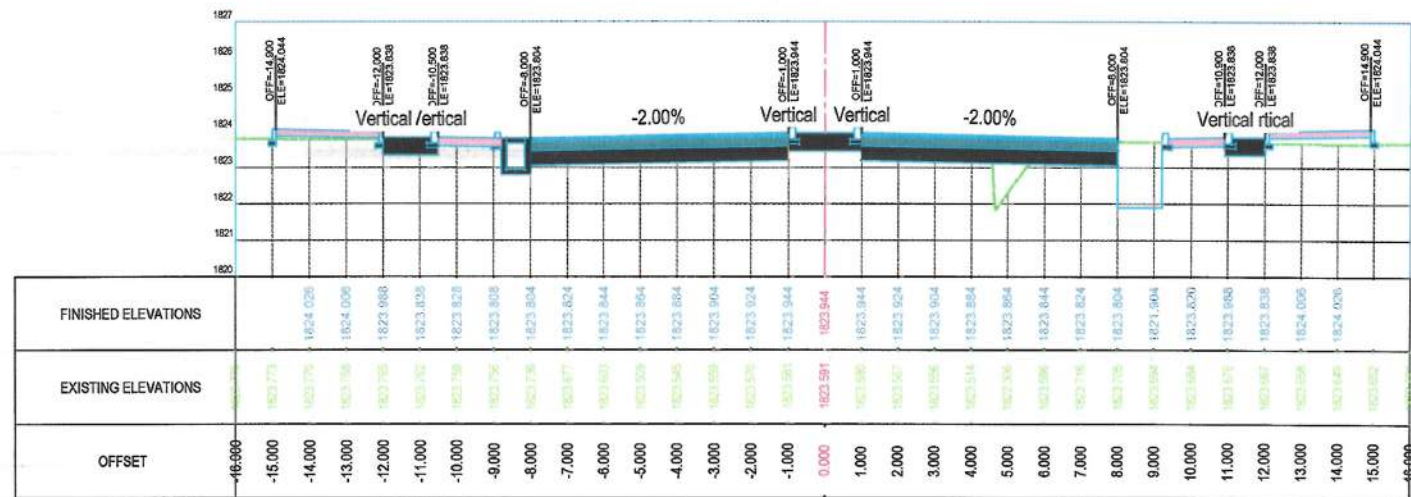
STATION=0+340



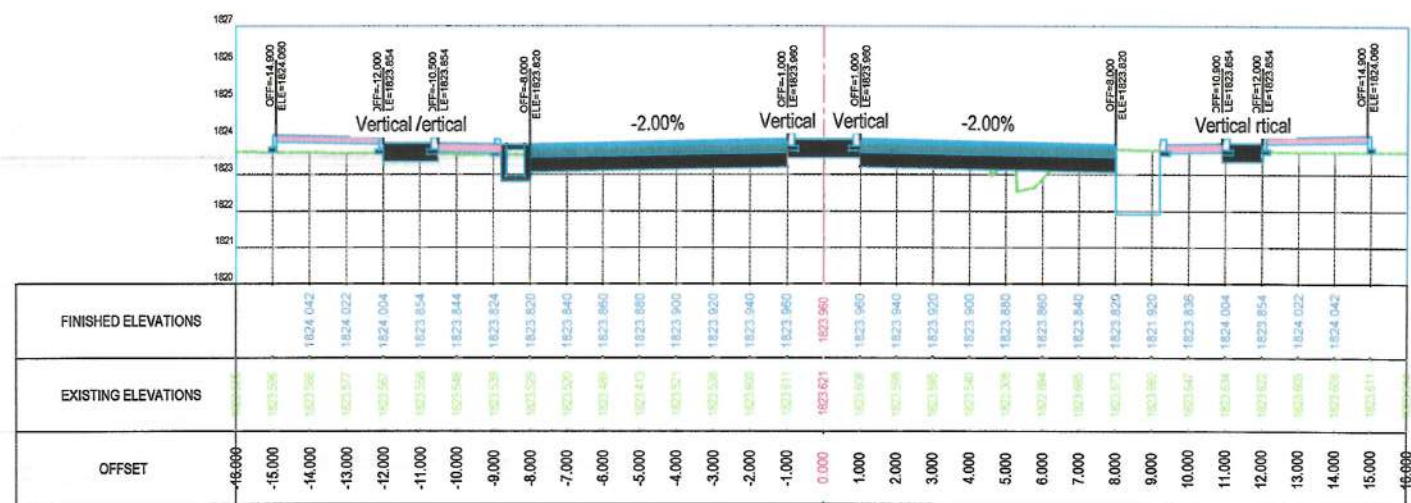
STATION=0+320



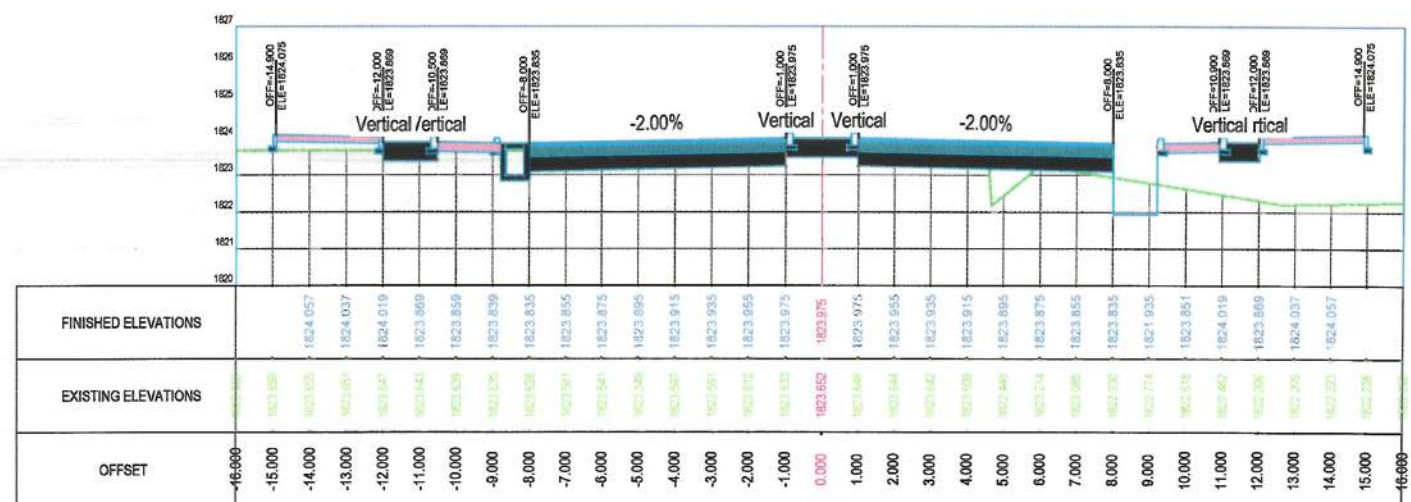
STATION=0+300



STATION=0+400



STATION=0+380



STATION=0+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:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
CROSS SECTION

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

Date: 10/31/2023 Scale: 1:200

Status: **FINAL
DESIGN**

Project Code

SHEET NO.
CS - (9)

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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

CROSS SECTION

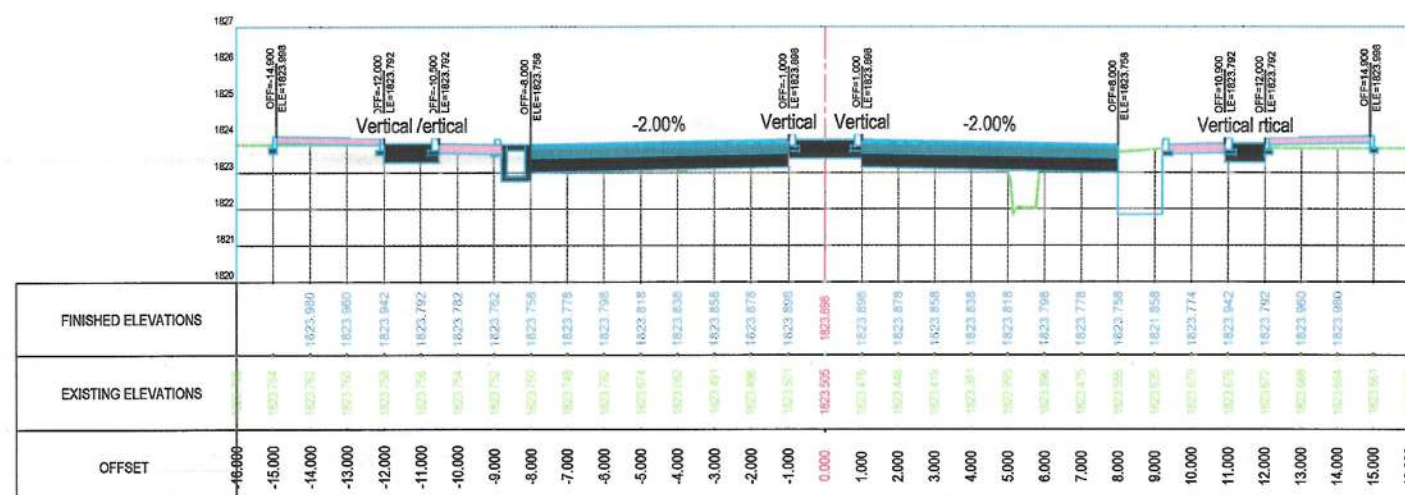
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Essa Sirt	Signature:
Checked: Hasibullah Shalizi	Signature:

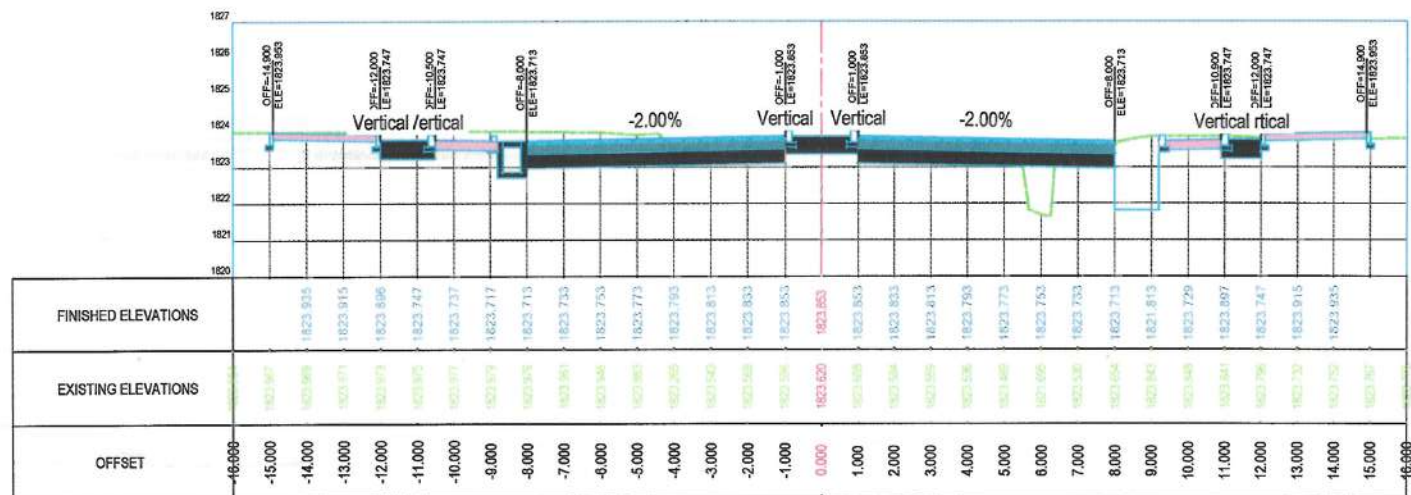
Date: 10/31/2023 Scale: 1:200

Status: FINAL
DESIGN

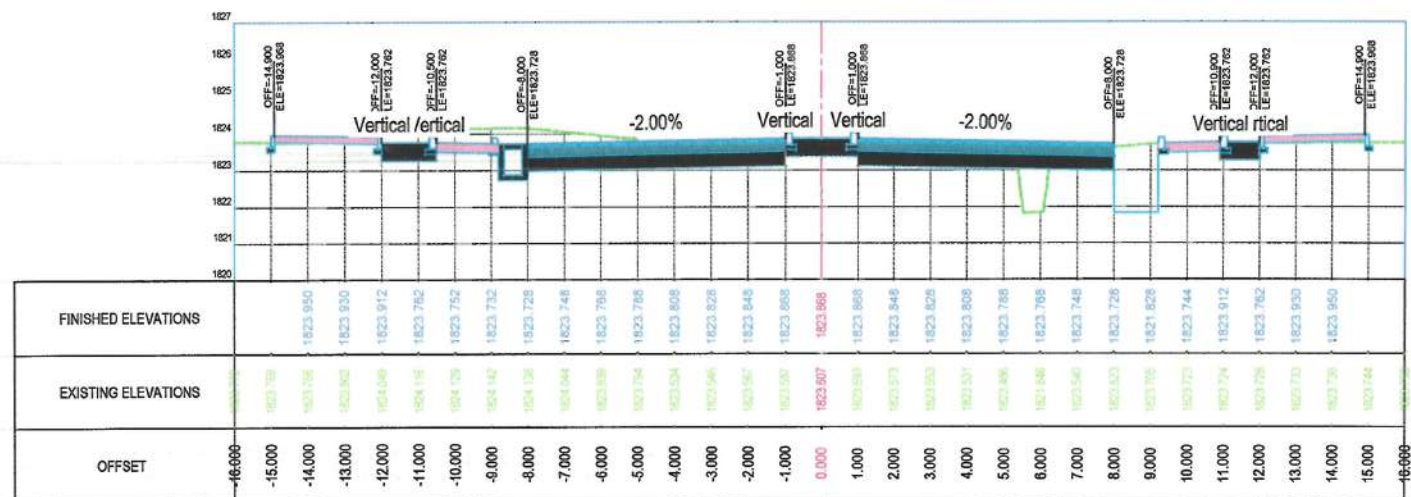
Project Code

SHEET NO. CS - (10) Revision 01

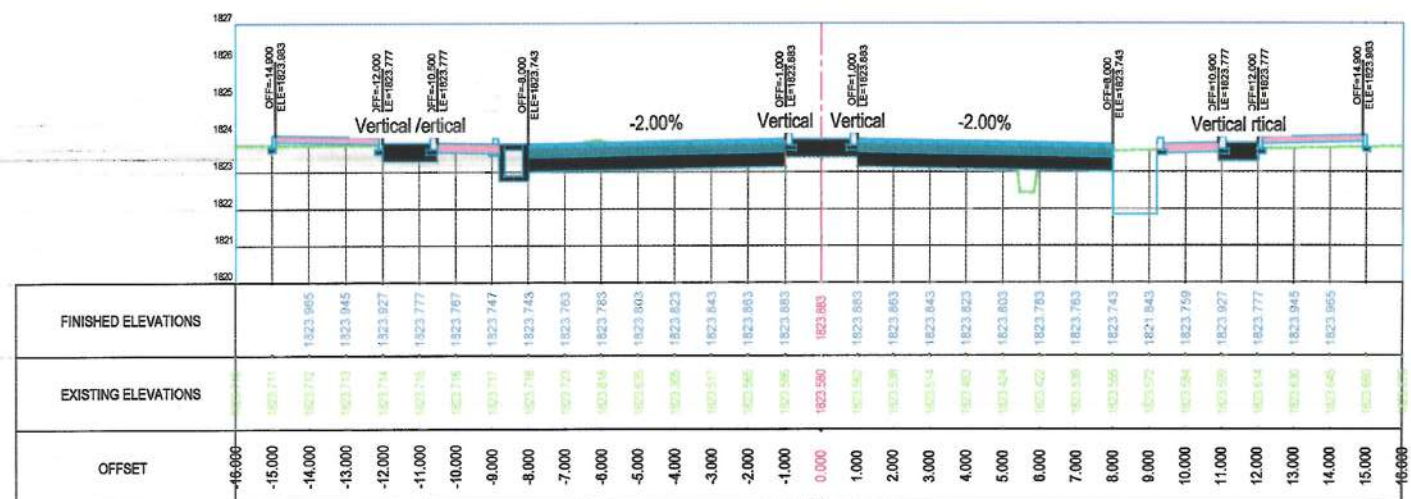




STATION=0+520



STATION=0+500



STATION=0+480

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:
Pol-e-Hassan To Bagh-e-Chehistan Road Project

Drawing Title:
CROSS SECTION

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

Date: 10/31/2023	Scale: 1:200
---------------------	-----------------

Status: **FINAL DESIGN**

Project Code

SHEET NO. CS - (11)	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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

CROSS SECTION

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

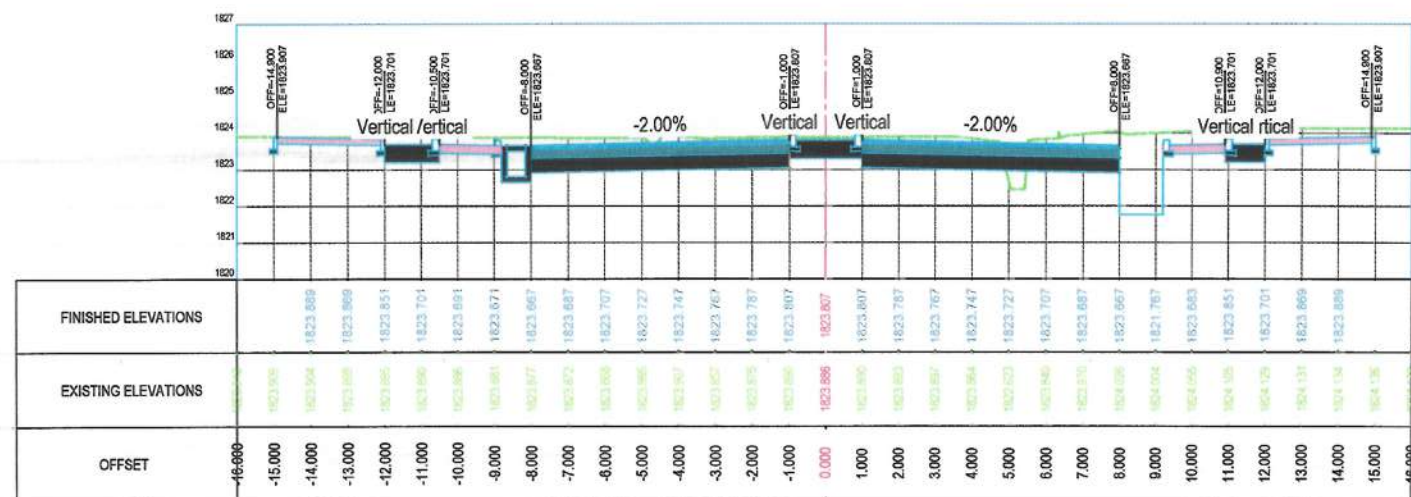
Date:
10/31/2023

Scale:
1:200

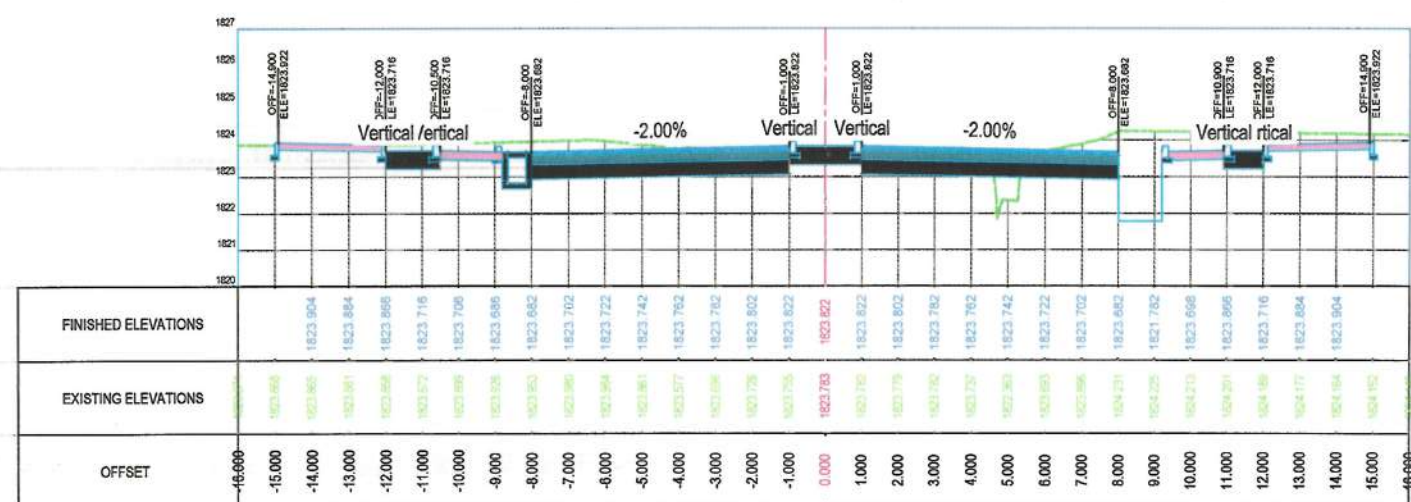
Status:
FINAL
DESIGN

Project Code

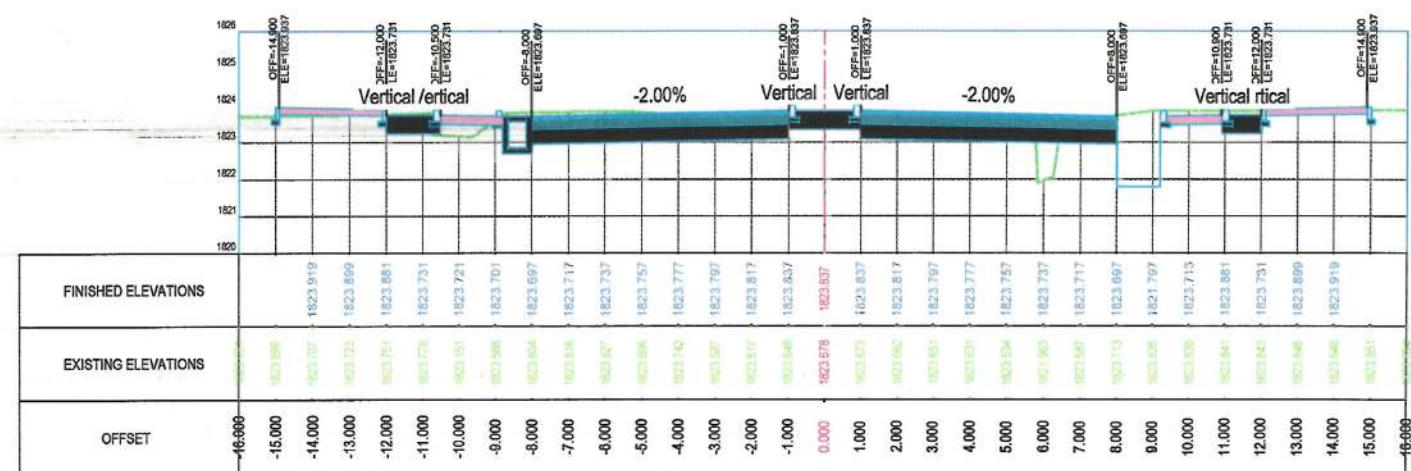
SHEET NO. CS - (12)	Revision 01
------------------------	----------------



STATION=0+580



STATION=0+560



STATION=0+540

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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

CROSS SECTION

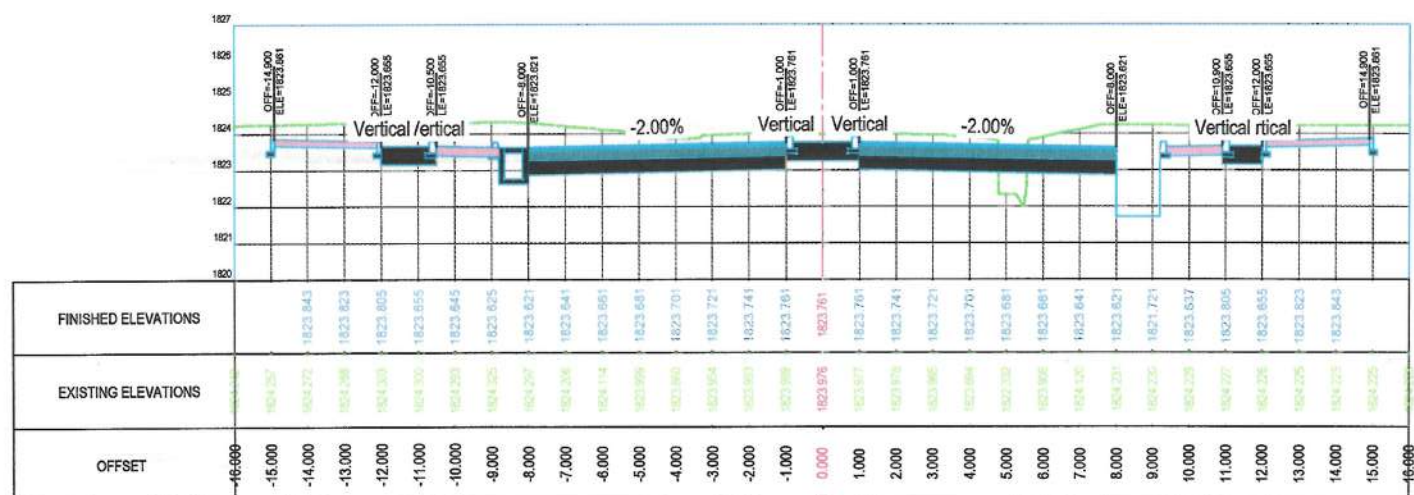
Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Essa Sirat	Signature:
Checked: Hasibullah Shalizi	Signature:

Date: 10/31/2023 Scale: 1:200

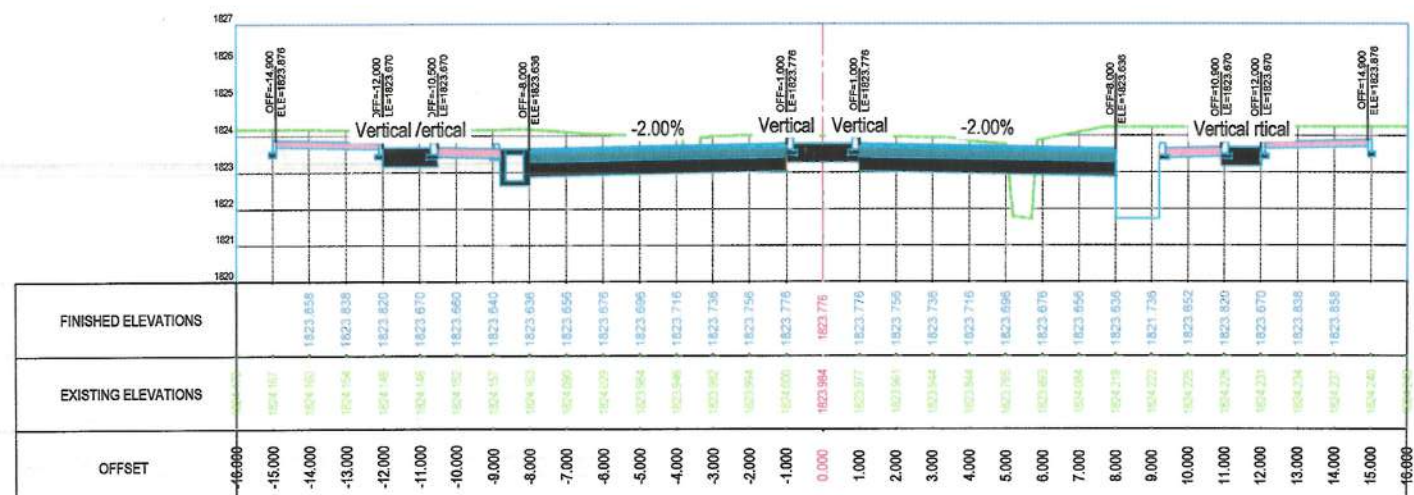
Status: FINAL
DESIGN

Project Code

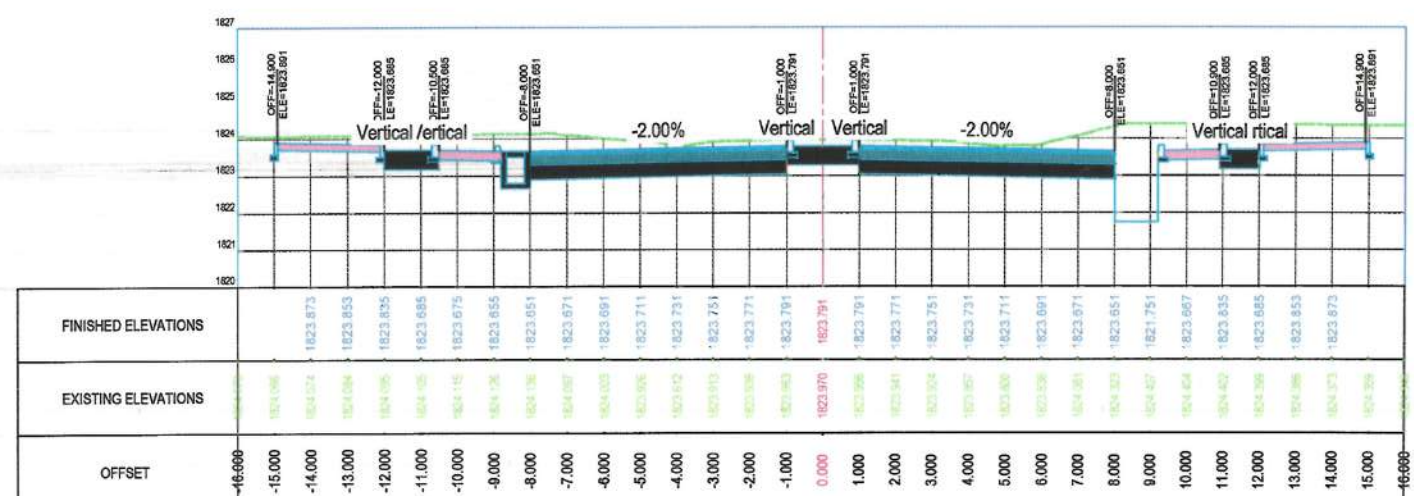
SHEET NO. CS - (13)	Revision 01
------------------------	----------------



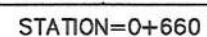
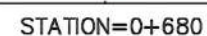
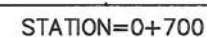
STATION=0+640



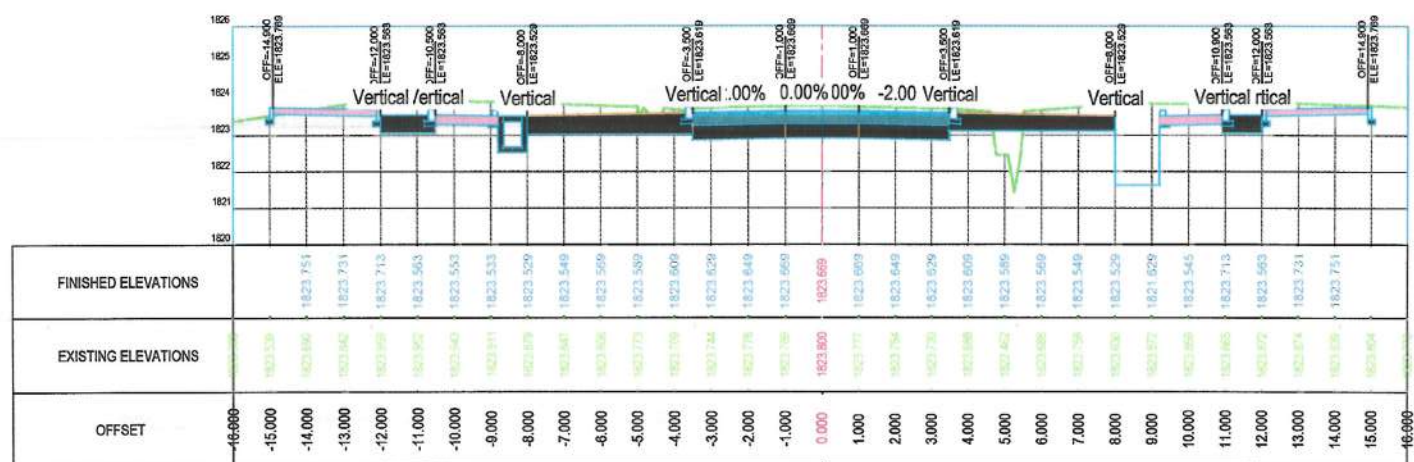
STATION=0+620



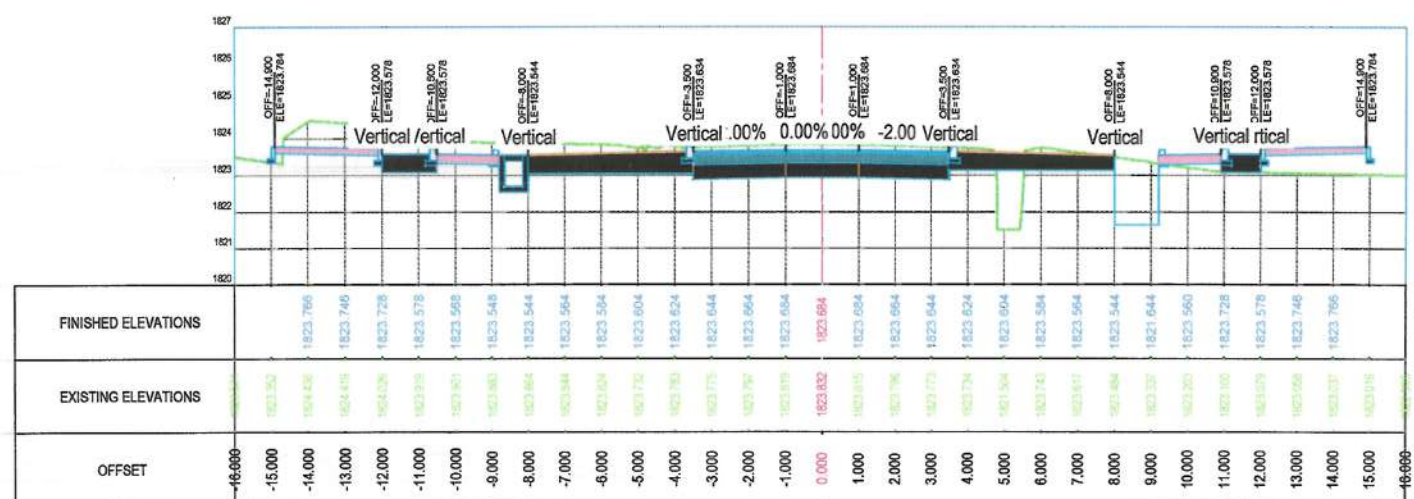
STATION=0+600



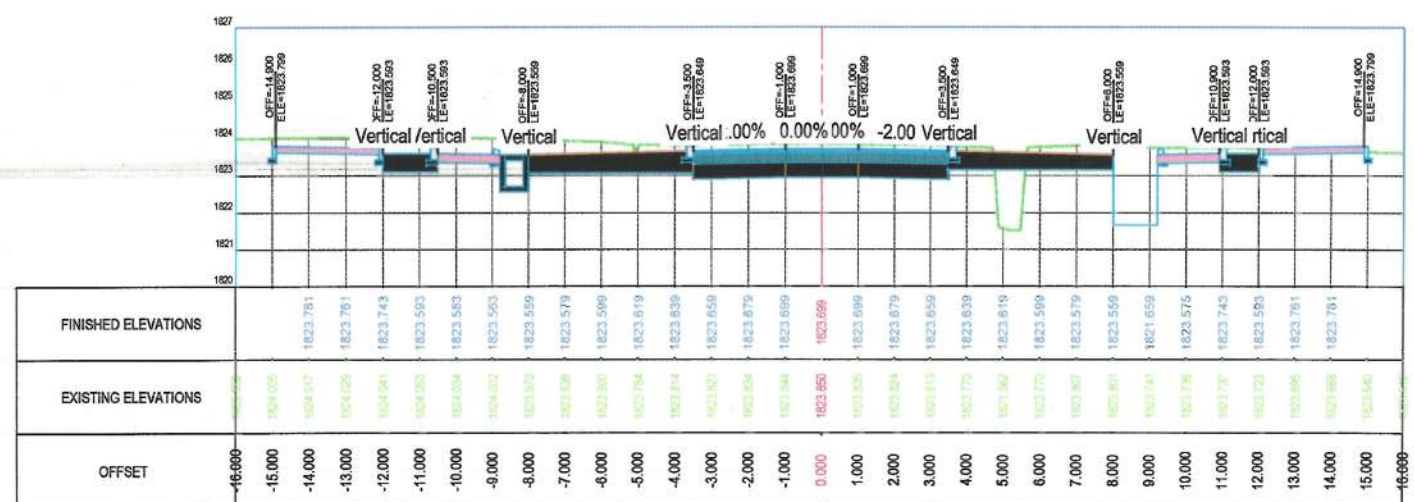
01



STATION=0+760



STATION=0+740



STATION=0+720

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



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:
CROSS SECTION

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

Date:
10/31/2023

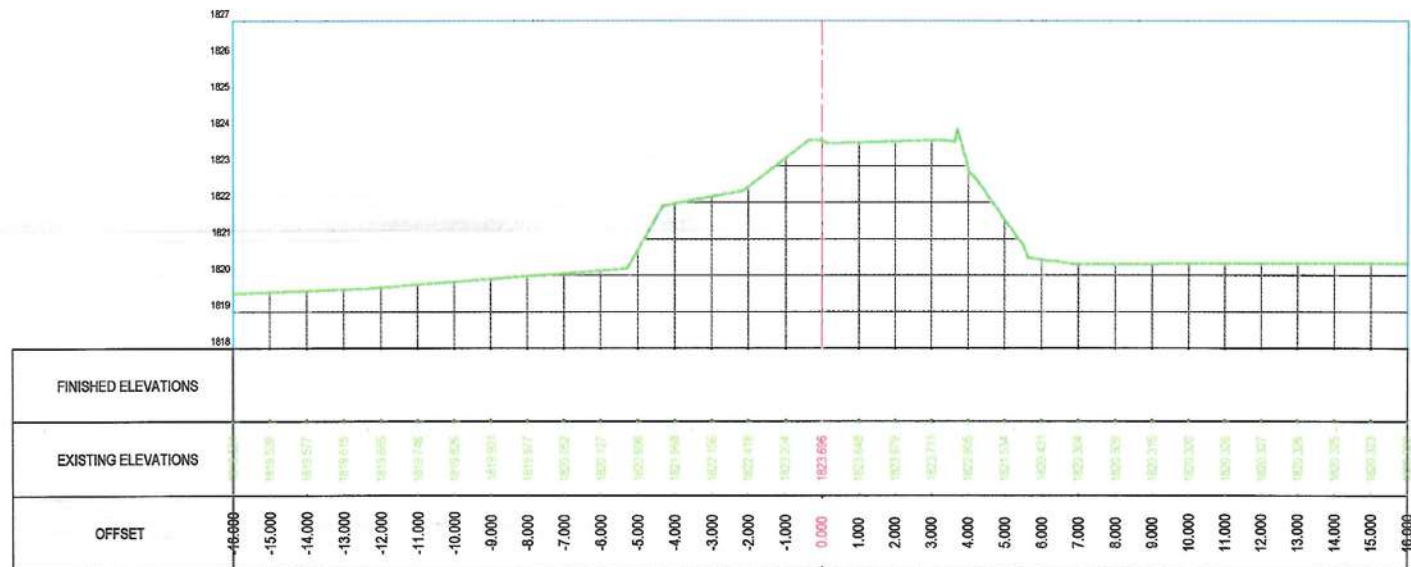
Scale:
1:200

Status:
**FINAL
DESIGN**

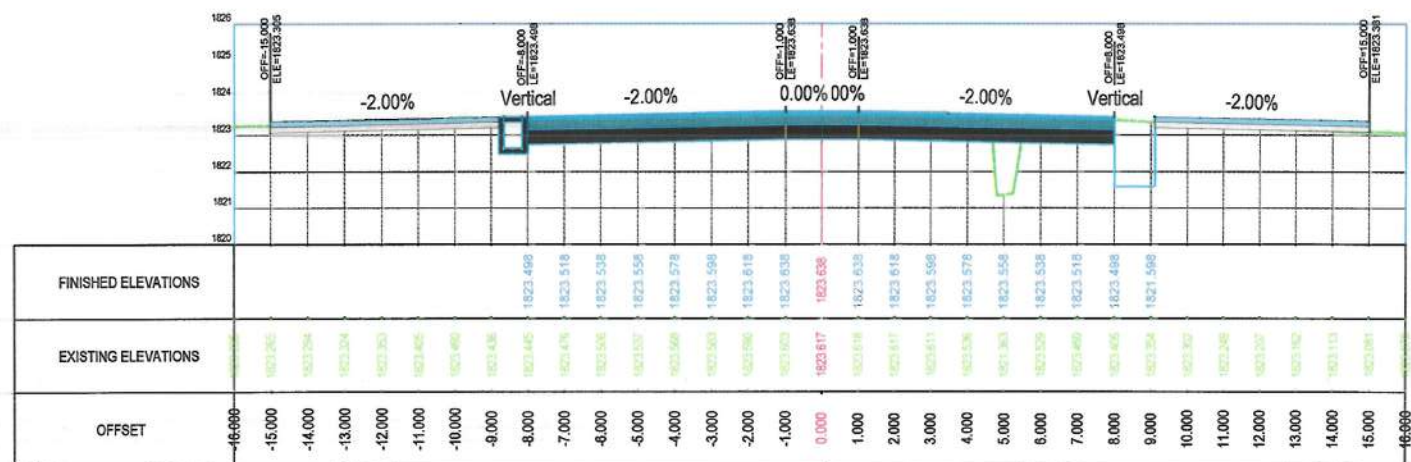
Project Code

SHEET NO.
CS - (15)

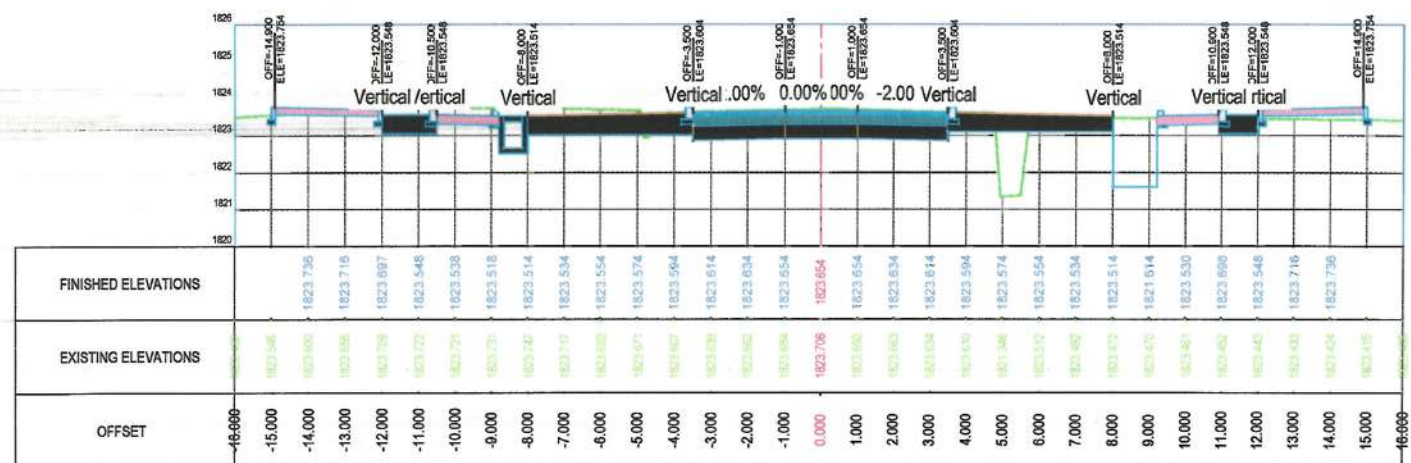
Revision
01



STATION=0+820



STATION=0+800



STATION=0+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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Basa Sirst	Signature:
Checked: Hamidullah Shalizi	Signature:

Date:
10/31/2023

Scale:
1:200

Status:
**FINAL
DESIGN**

Project Code:

SHEET NO.
CS - (16)


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:
Pol-e-Hassan To Baghe-Chehliston Road Project

Drawing Title:
CROSS SECTION

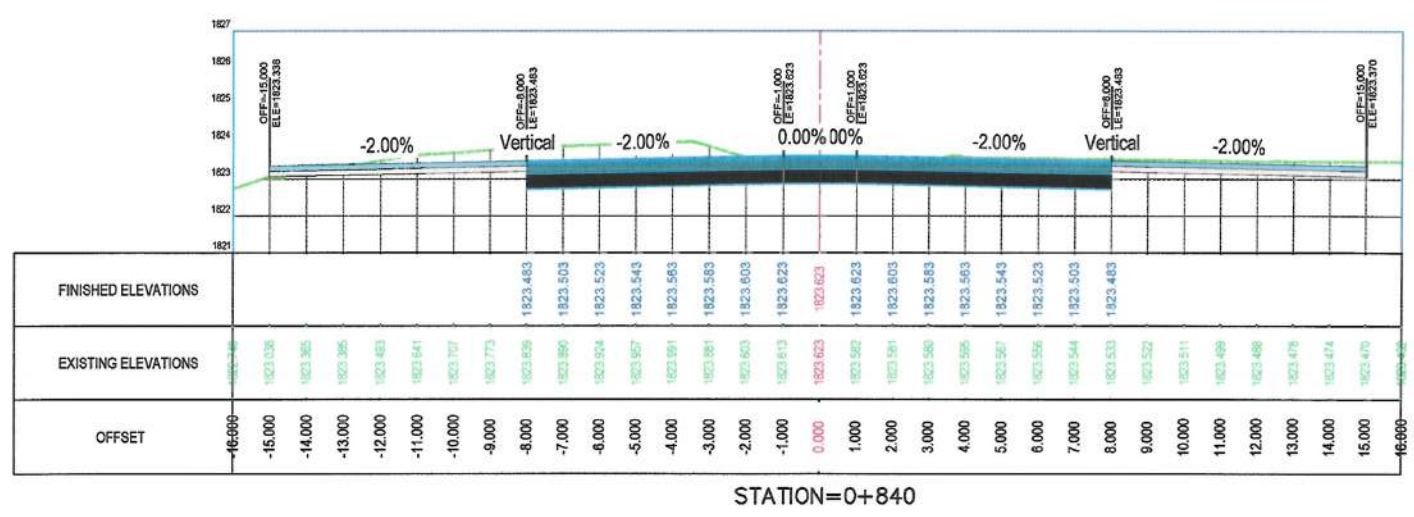
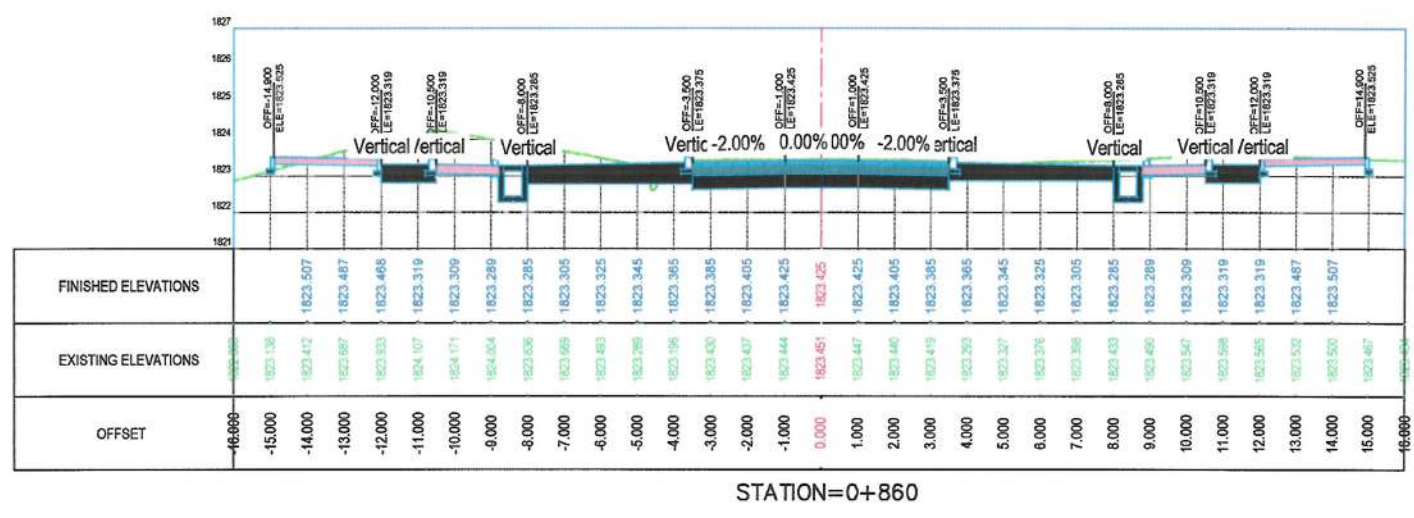
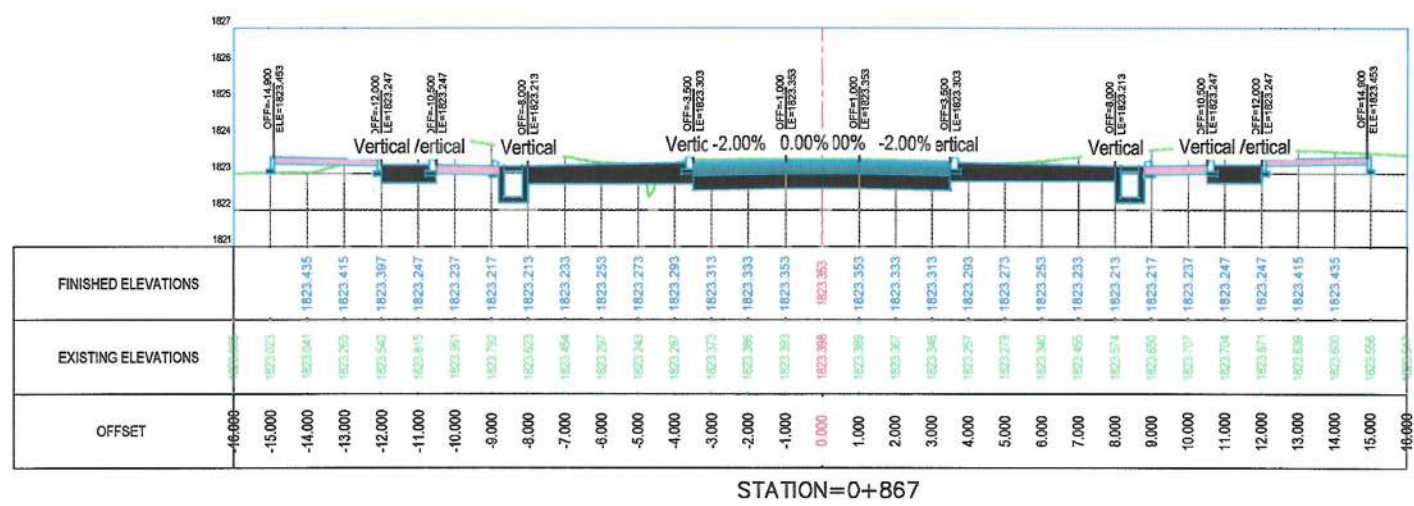
Drawn: M.Ali Dawlatzade	Signature: 
Designed: M.Ali Dawlatzade	Signature: 
Checked: M.Esan Sirat	Signature: 
Checked: Haniullah Shalizi	Signature: 

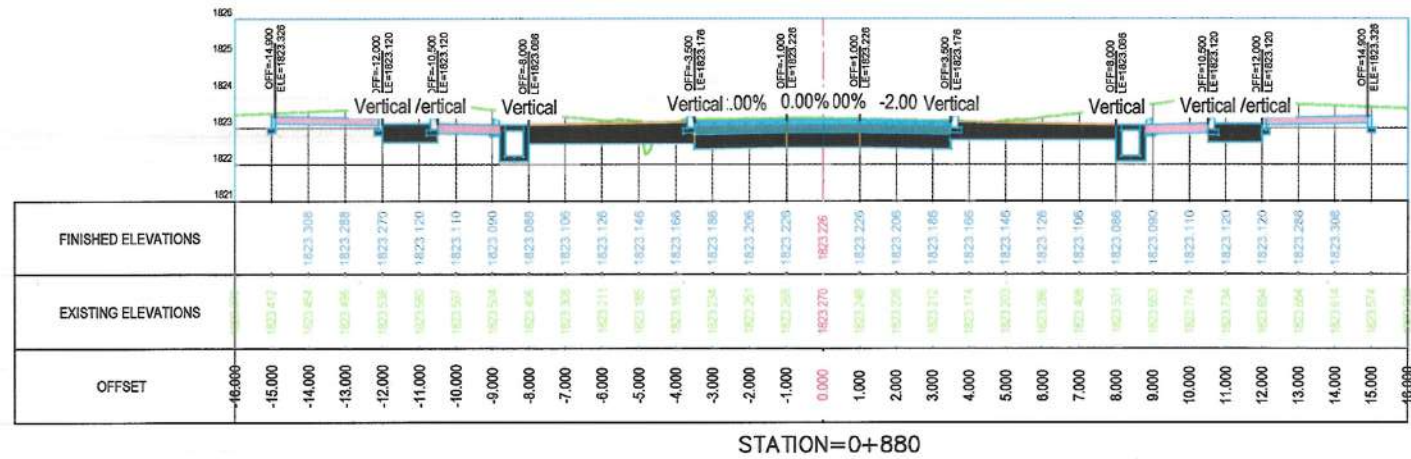
Date: 10/31/2023 Scale: 1:200

Status: **FINAL
DESIGN**

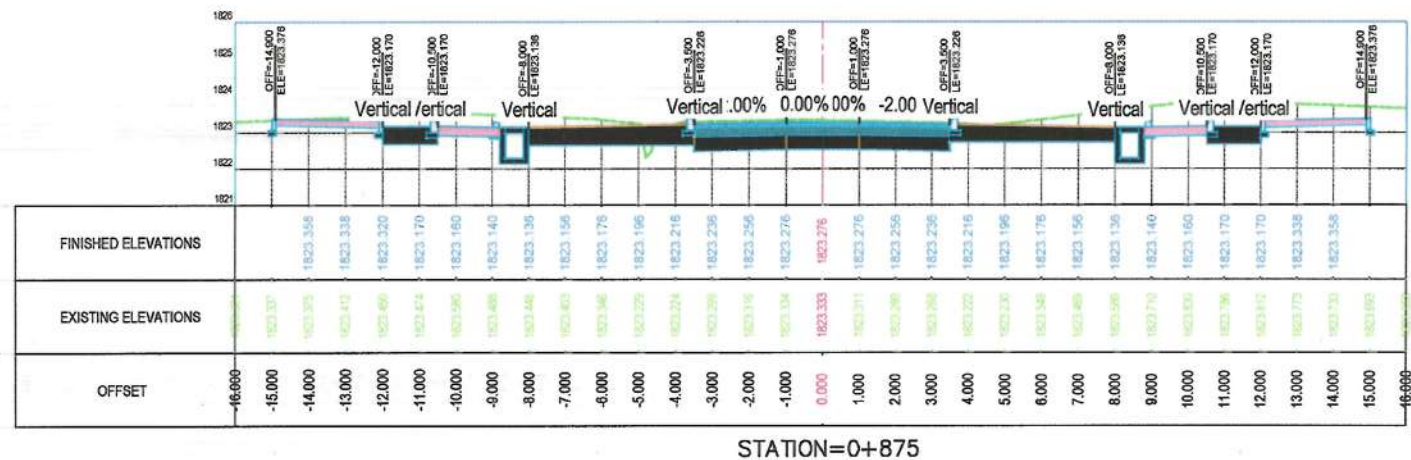
Project Code

SHEET NO. CS - (17)	Revision 01
------------------------	----------------

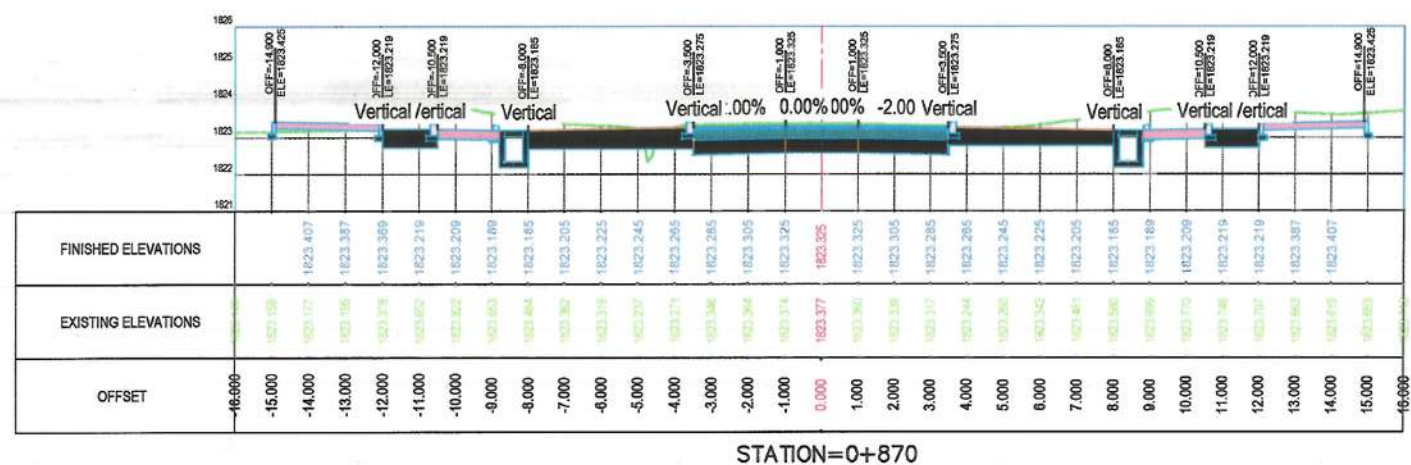




STATION=0+880



STATION=0+875



STATION=0+870

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:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Feres Sirt	Signature:
Checked: Hassibullah Shalizi	Signature:

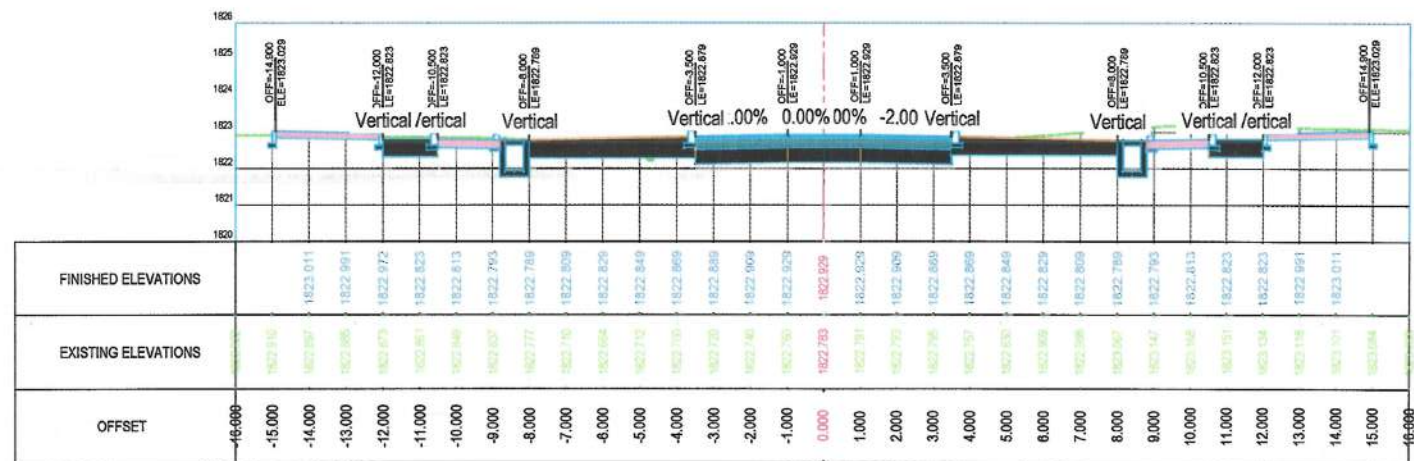
Date:
10/31/2023

Scale:
1:200

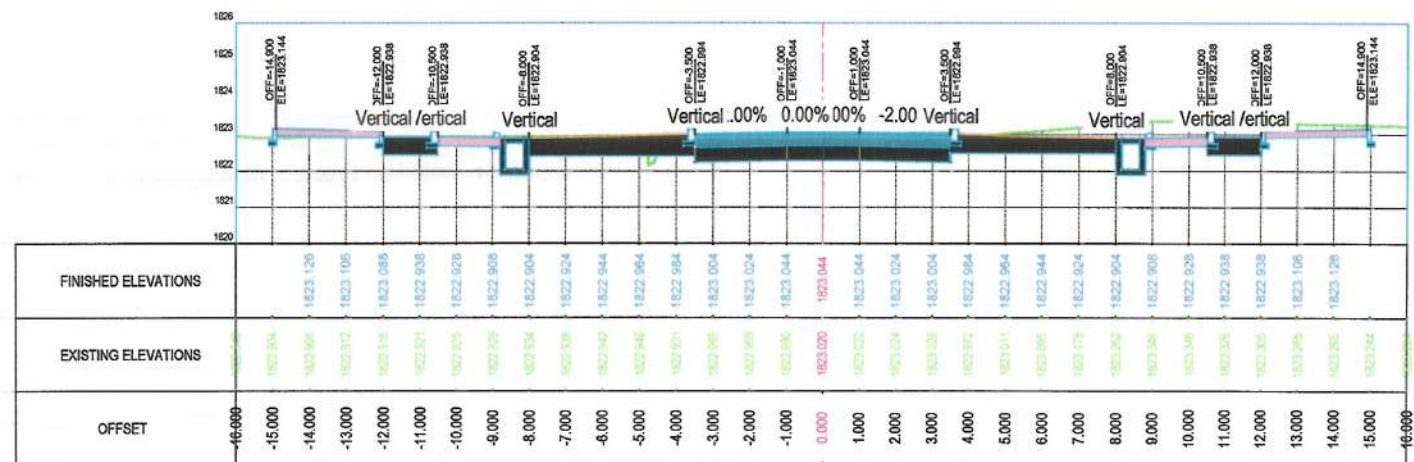
Status:
FINAL
DESIGN

Project Code

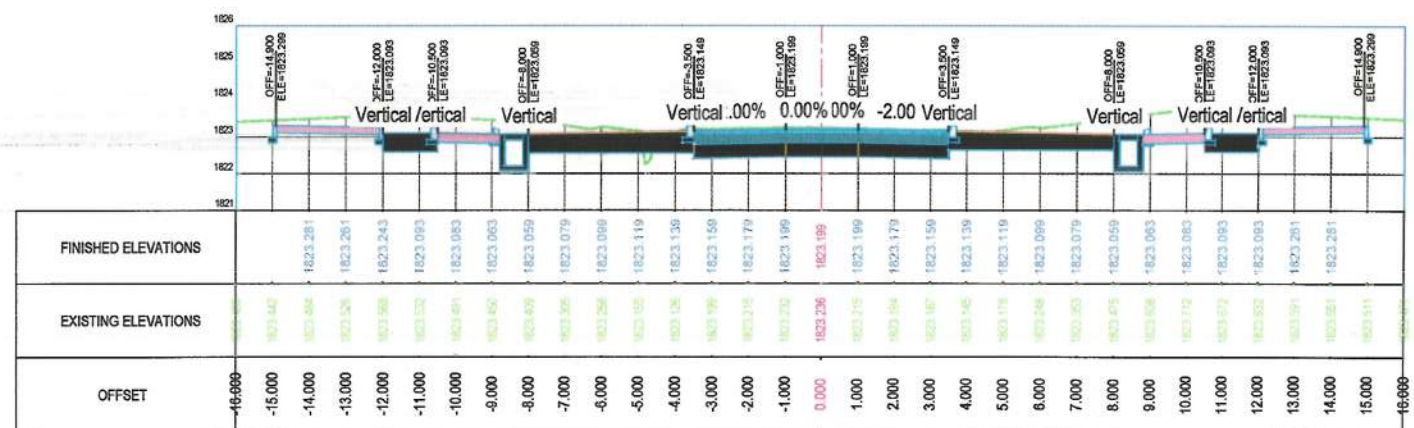
SHEET NO.	Revision
CS - (18)	01



STATION=0+920



STATION=0+900



STATION=0+883

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:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
CROSS SECTION

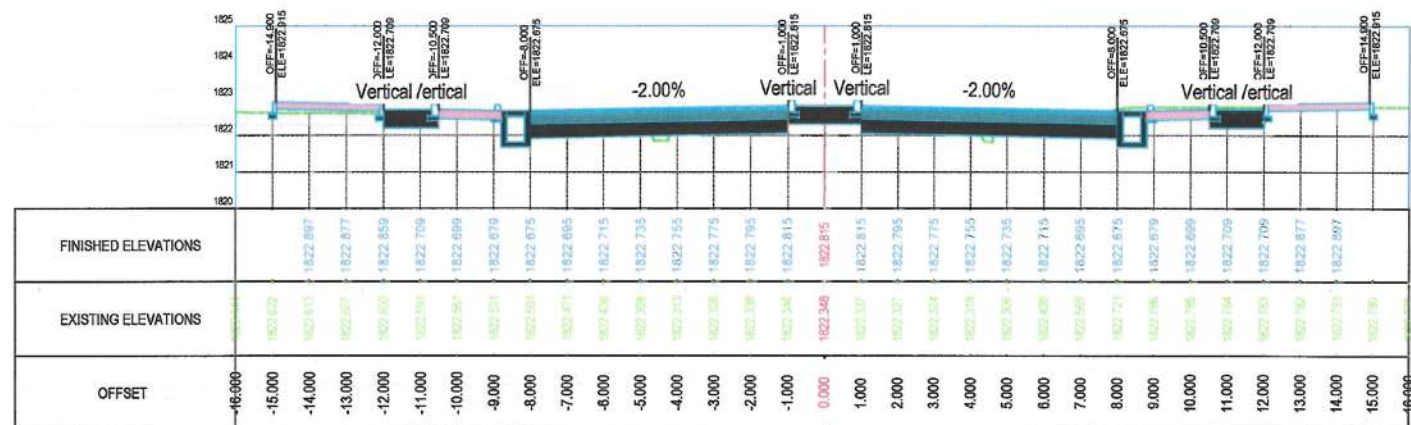
Drawn: M.Ali Dewlatzoda	Signature:
Designed: M.Ali Dewlatzoda	Signature:
Checked: M.Essa Sirat	Signature:
Checked: Hassanullah Shalizi	Signature:

Date: 10/31/2023 Scale: 1:200

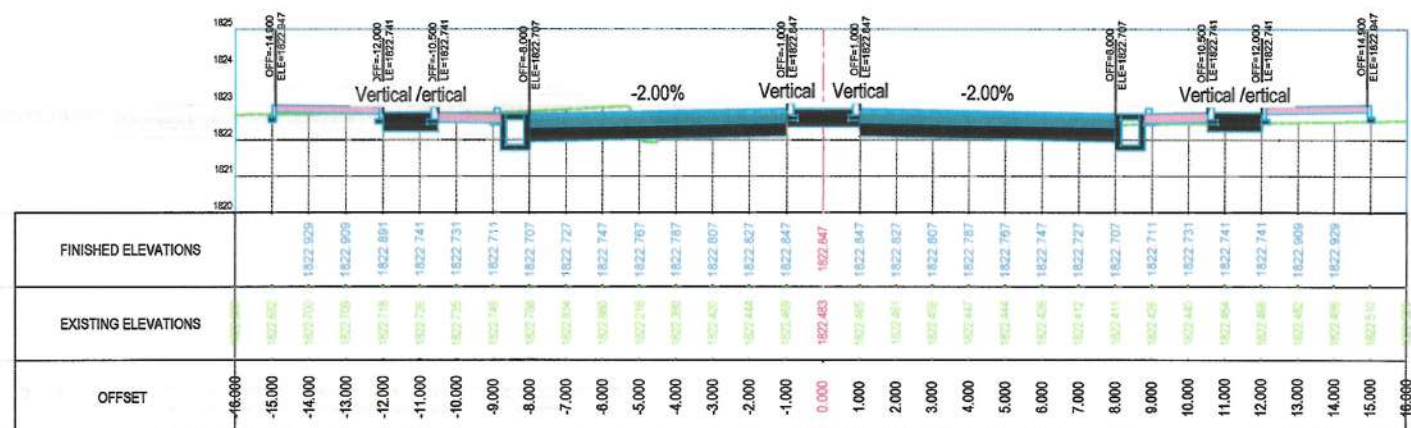
Status: FINAL DESIGN

Project Code:

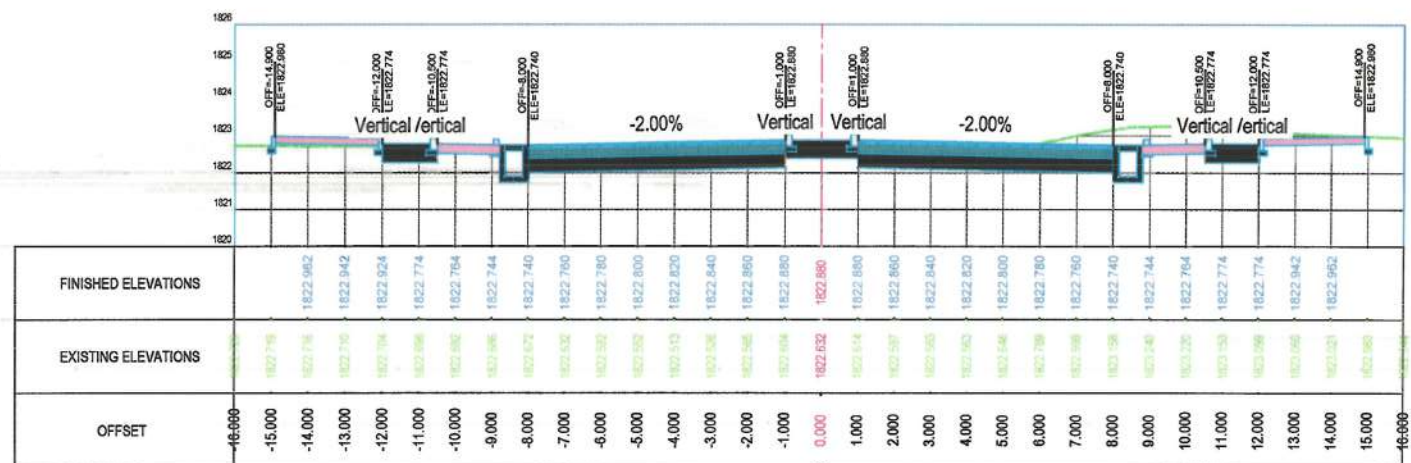
SHEET NO. CS - (19) Revision 01



STATION=0+980



STATION=0+960



STATION=0+940

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:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
CROSS SECTION

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

Date: 10/31/2023 Scale: 1:200

Status: **FINAL
DESIGN**

Project Code

SHEET NO. CS - (20)	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:



Project Name:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

CROSS SECTION

Drawn: M.Ali Dawlatzada	Signature:
Designed: M.Ali Dawlatzada	Signature:
Checked: M.Essa Sirat	Signature:
Checked: Hasbullah Shalizi	Signature:

Date:
10/31/2023

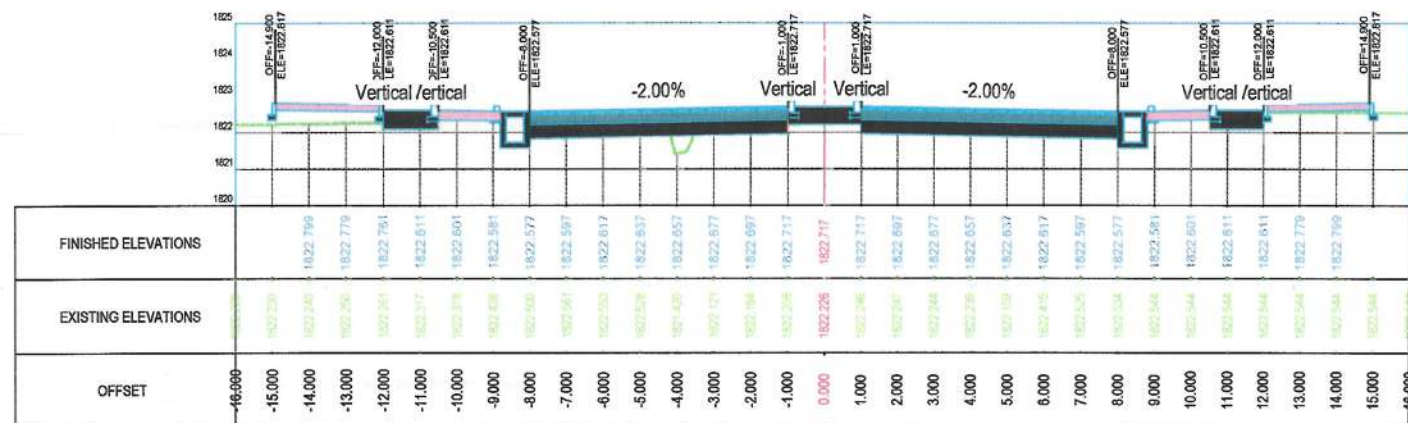
Scale:
1:200

Status:
FINAL
DESIGN

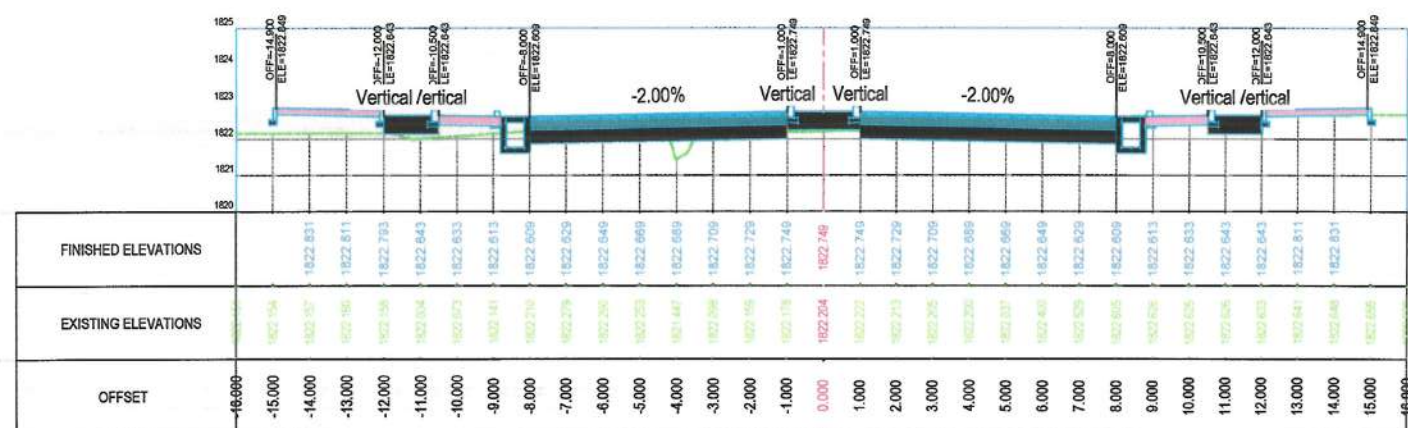
Project Code:

SHEET NO.
CS - (21)

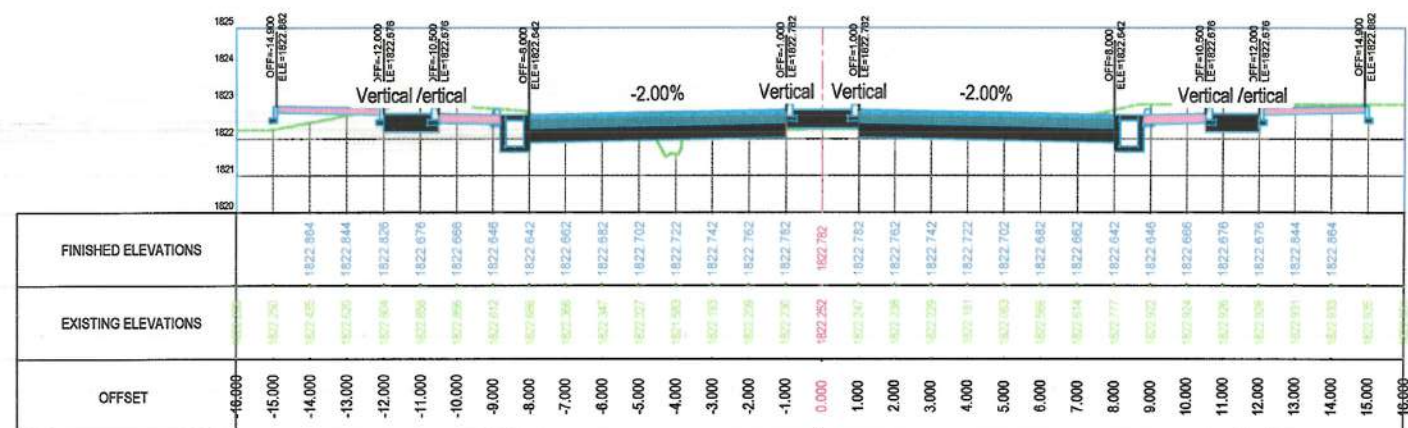
Revision
01



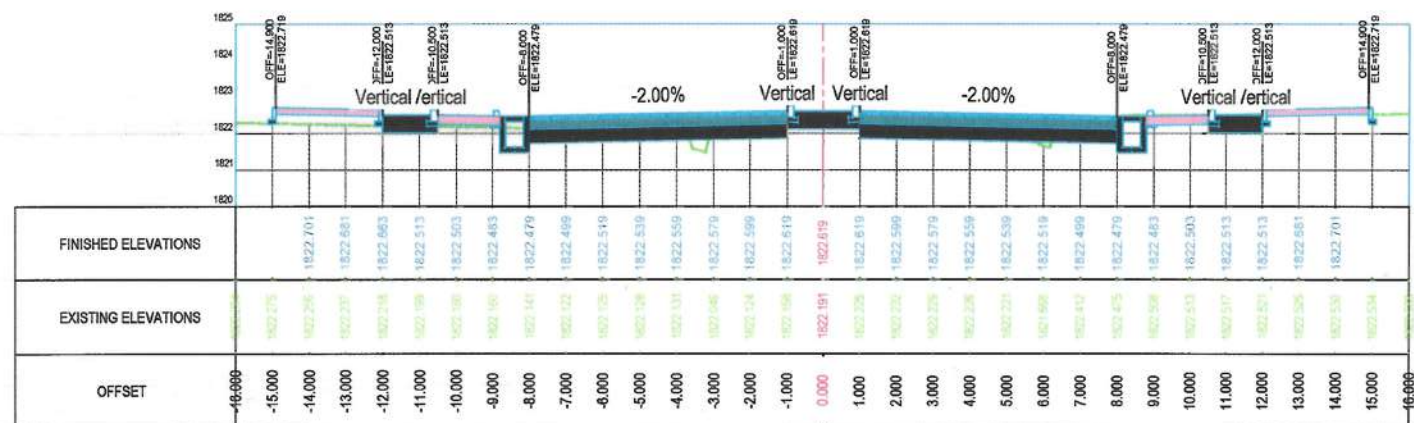
STATION=1+040



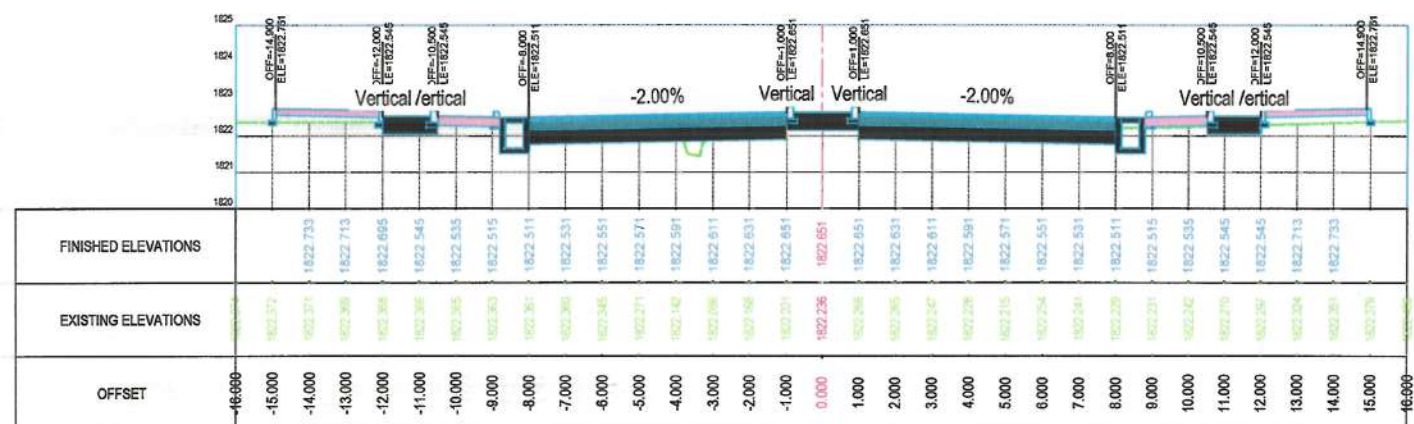
STATION=1+020



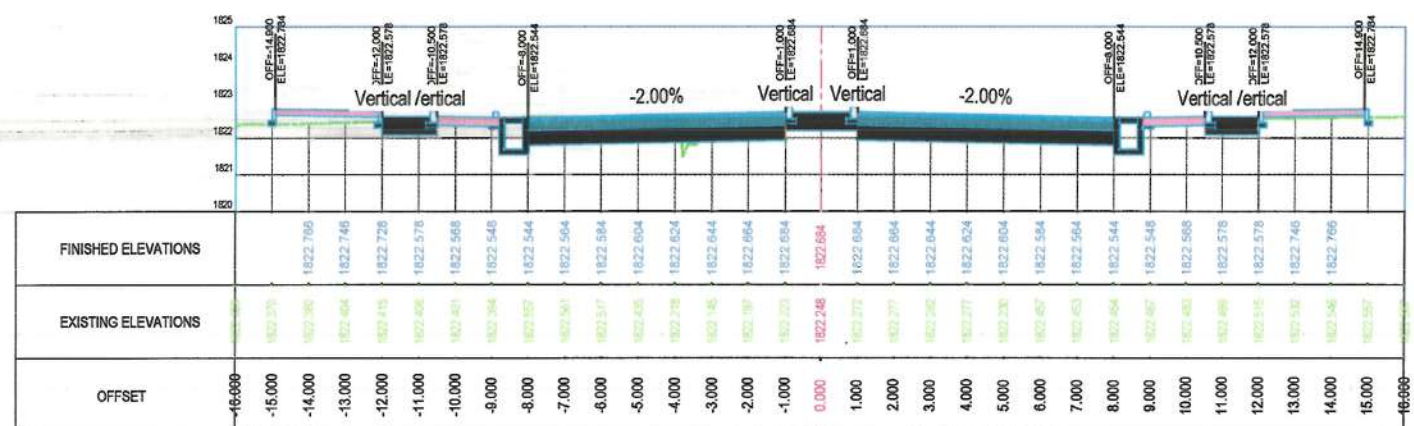
STATION=1+000



STATION=1+100



STATION=1+080



STATION=1+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:
Pol-e-Hassan To Bagh-e-Chehistan Road Project

Drawing Title:
CROSS SECTION

Drawn: M.Ali Dawlatzade	Signature:
Designed: M.Ali Dawlatzade	Signature:
Checked: M.Essa Sirat	Signature:
Checked: Hashtullah Shalizi	Signature:

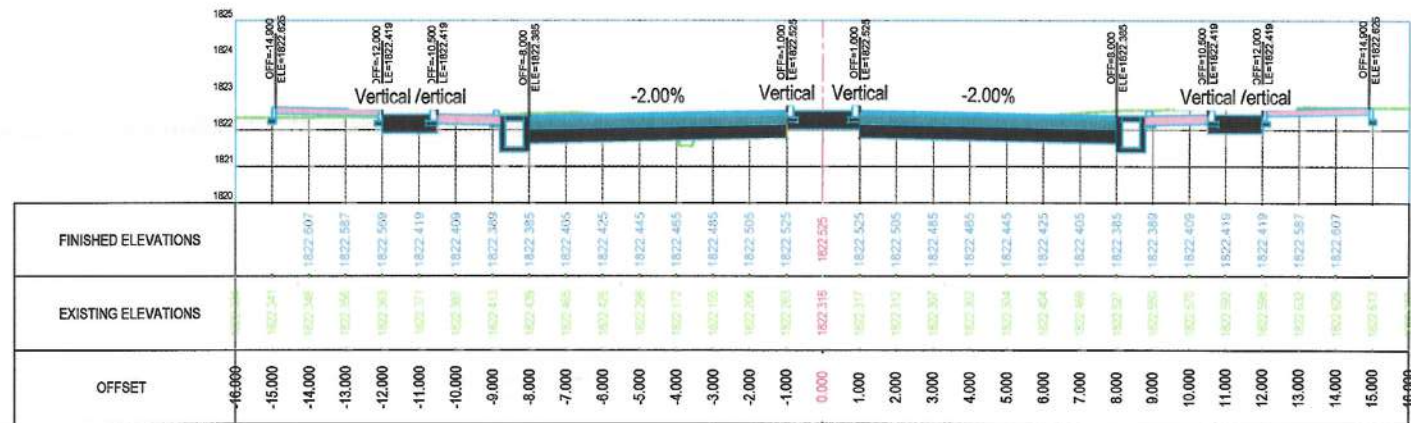
Date:
10/31/2023

Scale:
1:200

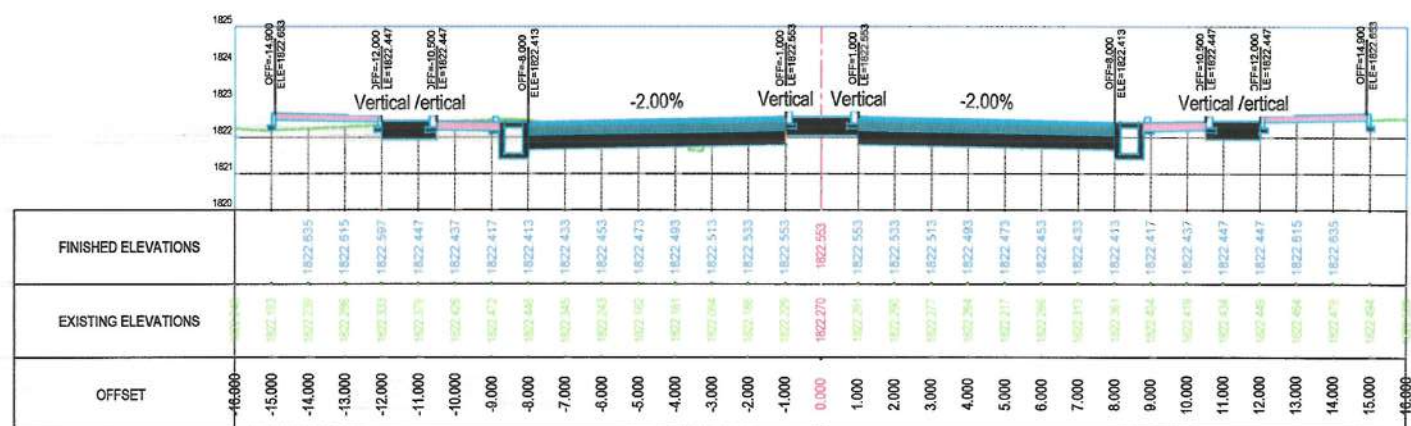
Status:
**FINAL
DESIGN**

Project Code

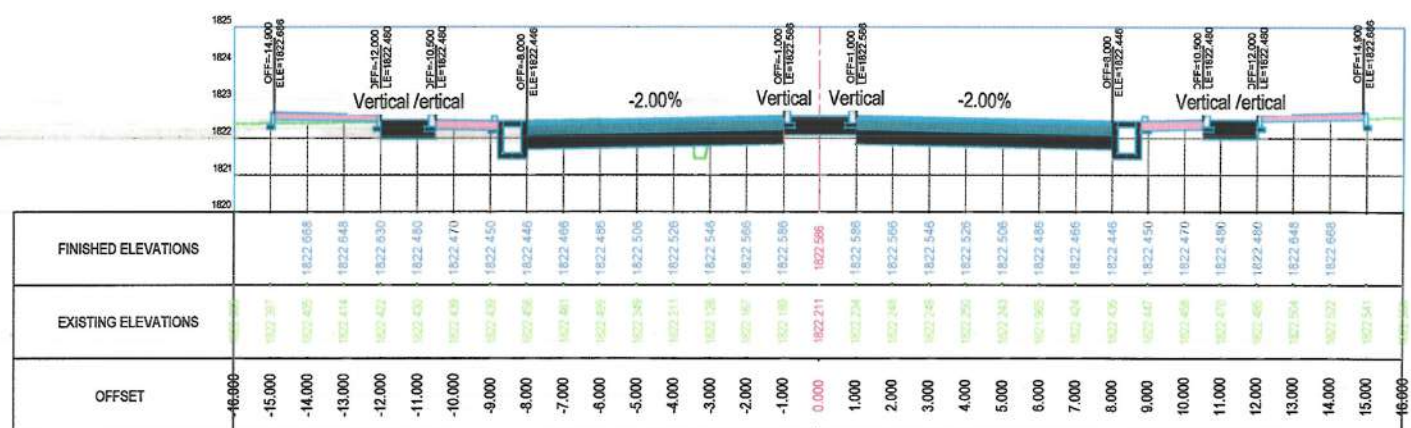
SHEET NO. CS - (22)	Revision 01
-------------------------------	-----------------------



STATION=1+160



STATION=1+140



STATION=1+120

NOTE:

- 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:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

CROSS SECTION

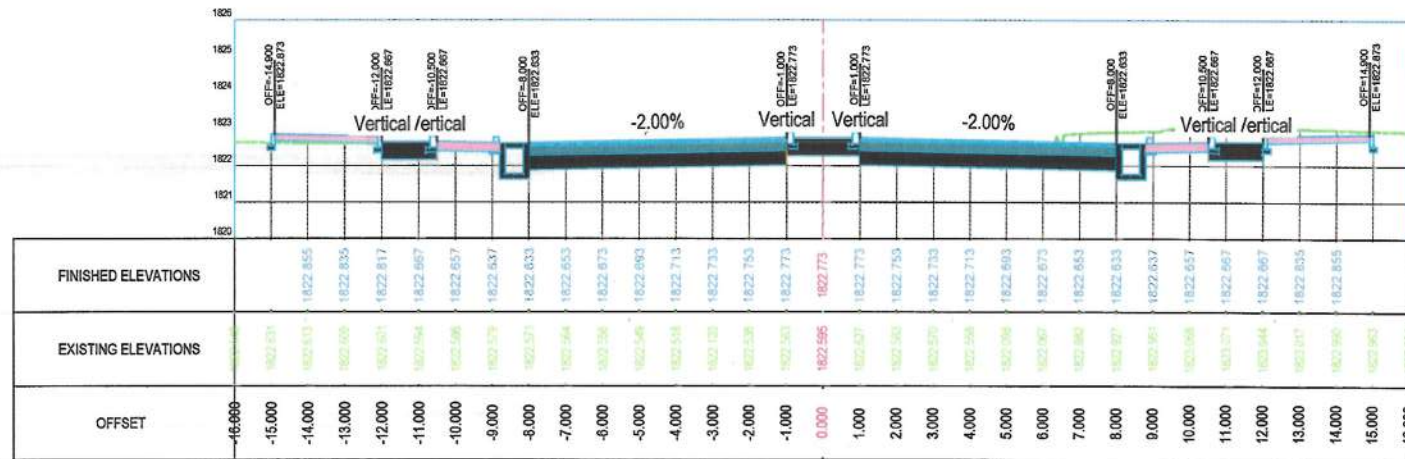
Drawn:	M.Ali Dawlatzade	Signature:	
Designed:	M.Ali Dawlatzade	Signature:	
Checked:	M.Essa Sirt	Signature:	
Checkod:	Hasibullah Shalizi	Signature:	

Date: 10/31/2023 Scale: 1:200

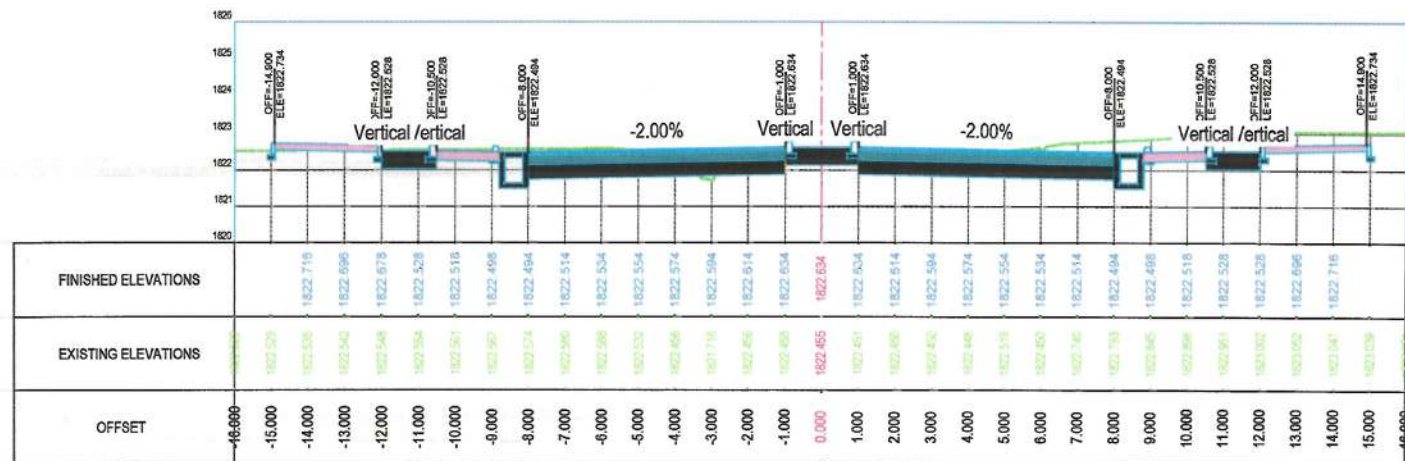
Status: FINAL
DESIGN

Project Code

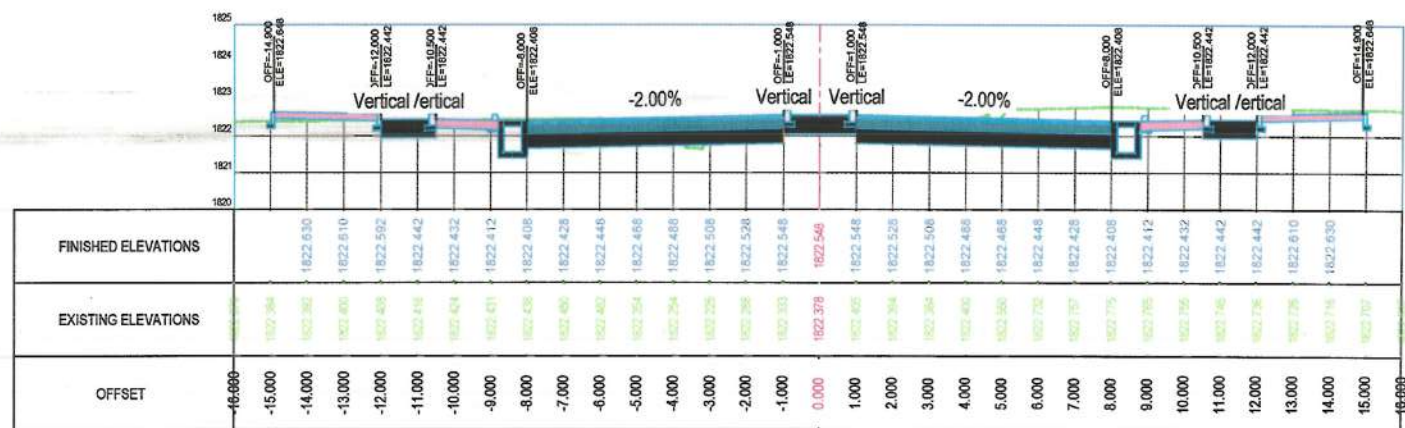
SHEET NO.	Revision
CS - (23)	01



STATION=1+220



STATION=1+200



STATION=1+180

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



ISLAMIC EMIRATE
OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

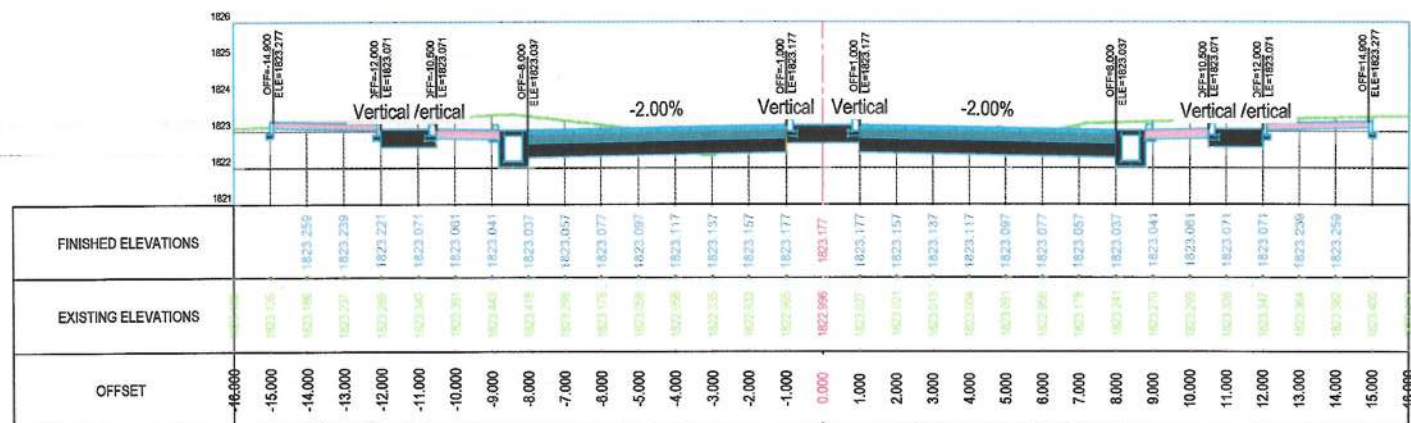
Drawing Title:
CROSS SECTION

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

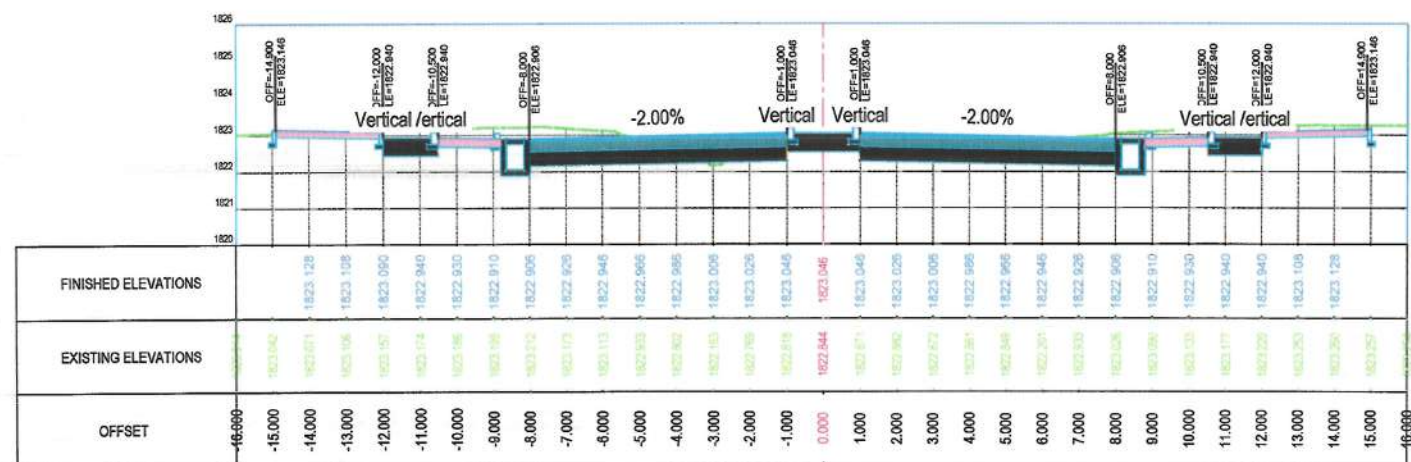
Date: 10/31/2023
Scale: 1:200

Status: **FINAL
DESIGN**

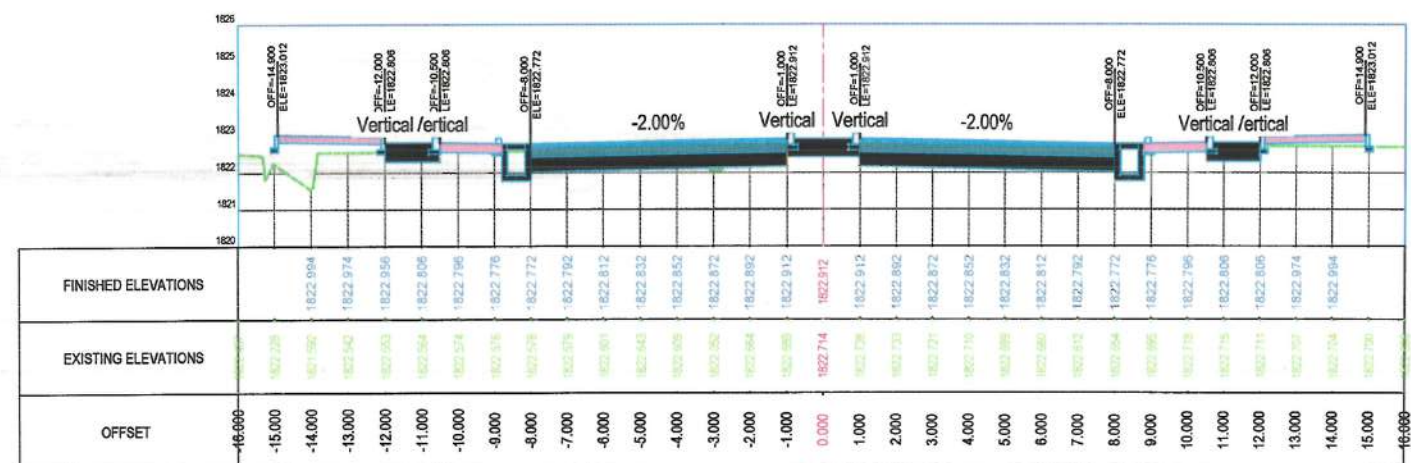
Project Code:
SHEET NO. CS - (24)
Revision: 01



STATION=1+280



STATION=1+260



STATION=1+240

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:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

CROSS SECTION

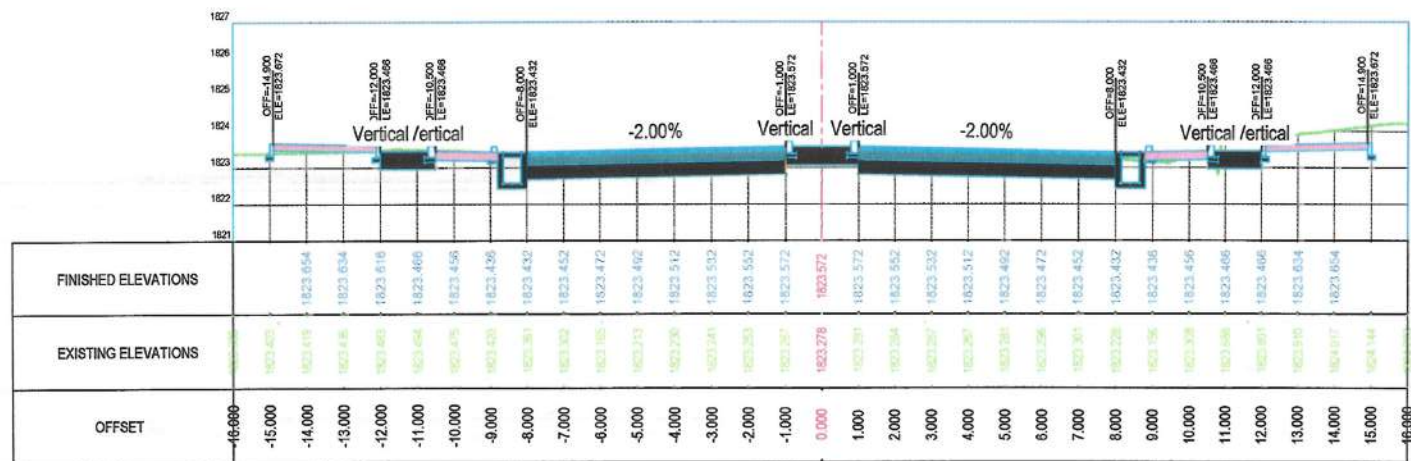
Drawn: M.Ali Dawlatzade
Designed: M.Ali Dawlatzade
Checked: M.Essa Sirat
Checked: Hasibullah Shalizi

Date: 10/31/2023
Scale: 1:200

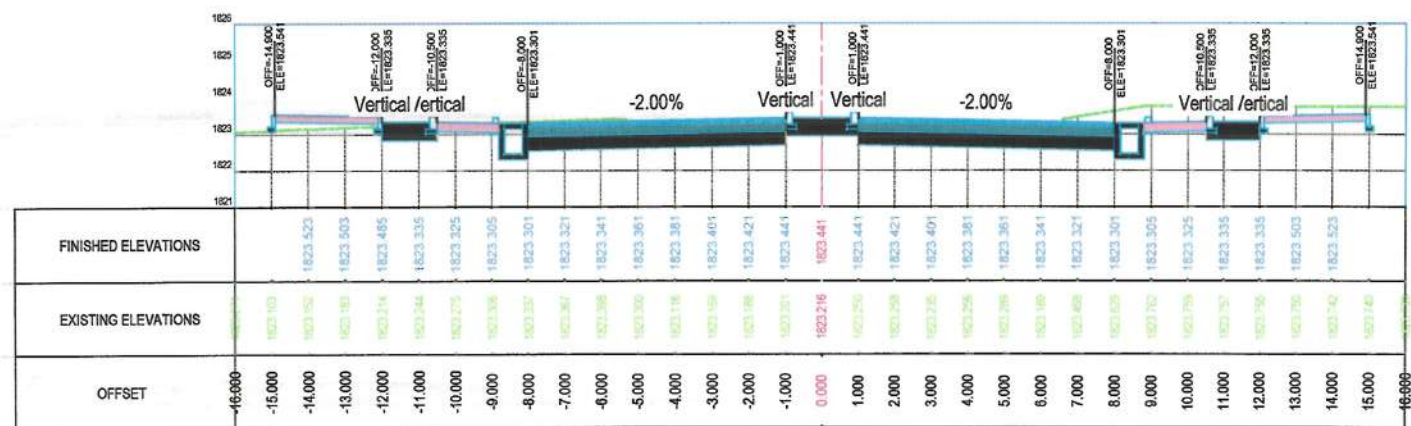
Status: FINAL
DESIGN

Project Code

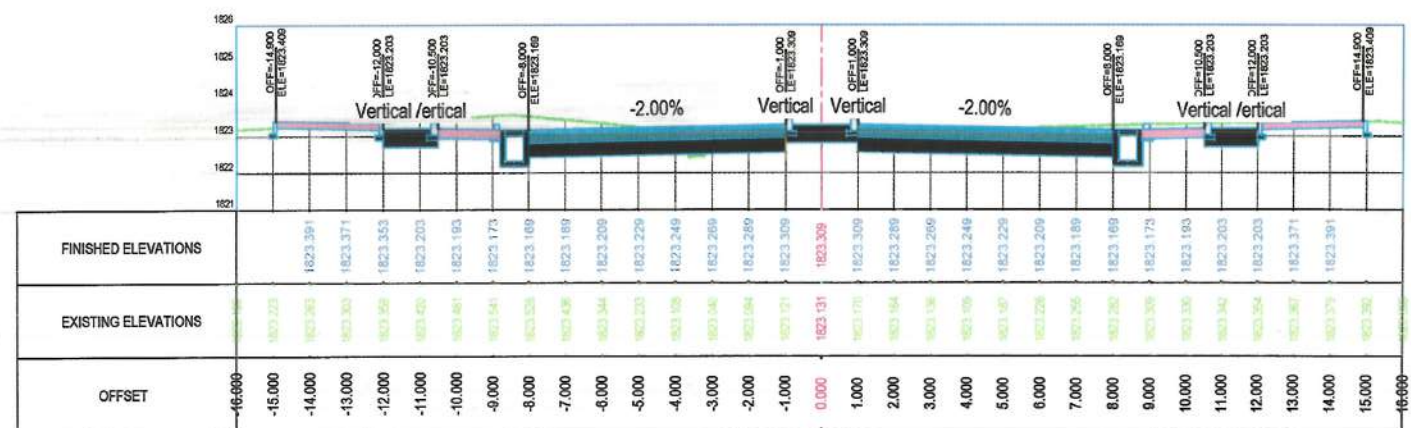
SHEET NO. CS - (25)
Revision 01



STATION=1+340



STATION=1+320



STATION=1+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:
Pol-e-Hassan To Bagh-e-Chehistan Road Project

Drawing Title:
CROSS SECTION

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

Date:
10/31/2023

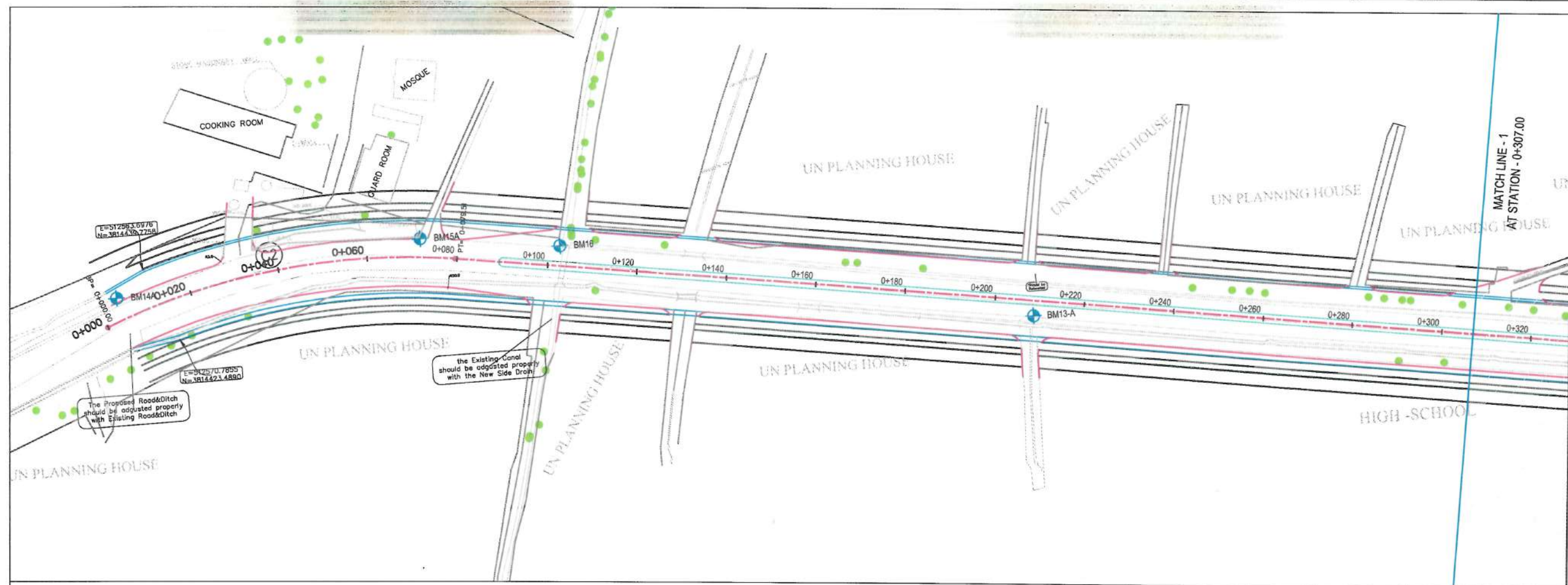
Scale:
1:200

Status:
**FINAL
DESIGN**

Project Code

SHEET NO.
CS - (26)

Revision
01

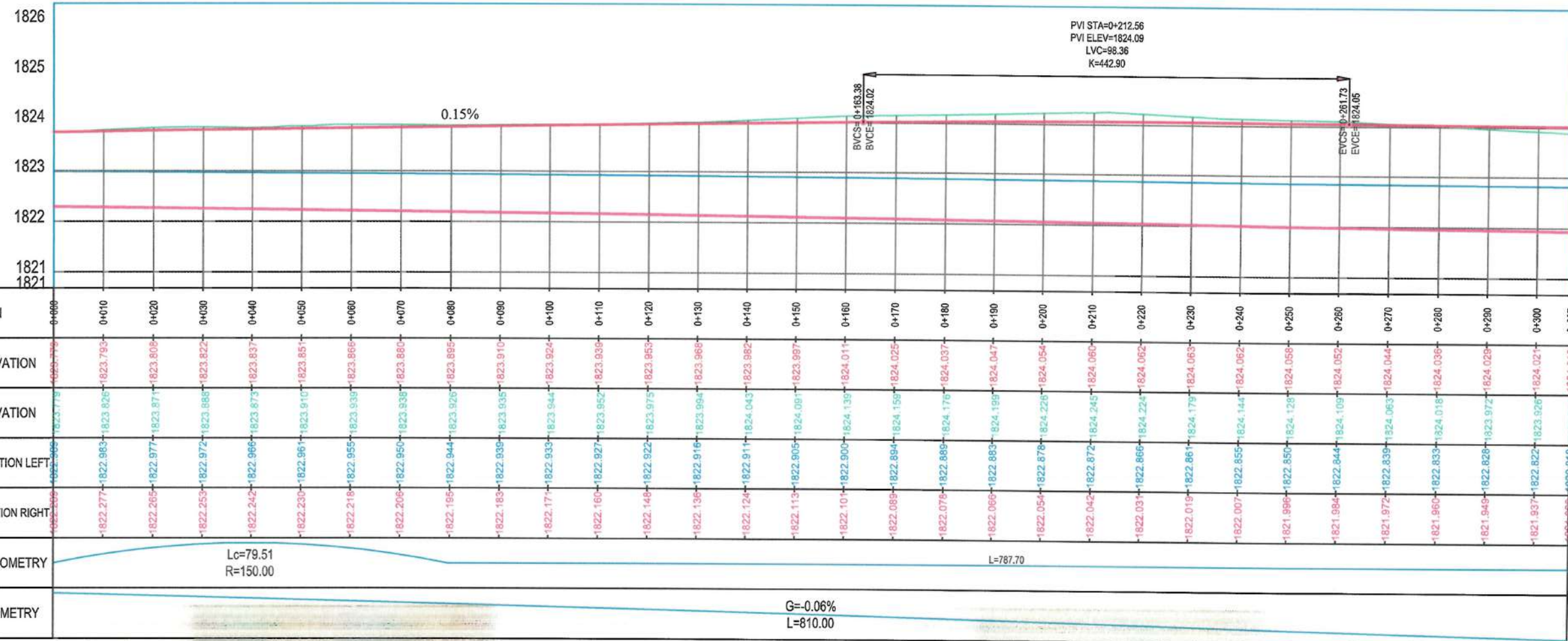


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



PH-t-BCH



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name: Pol-e-Hassan To Bagh-e-Chehliston Road Project

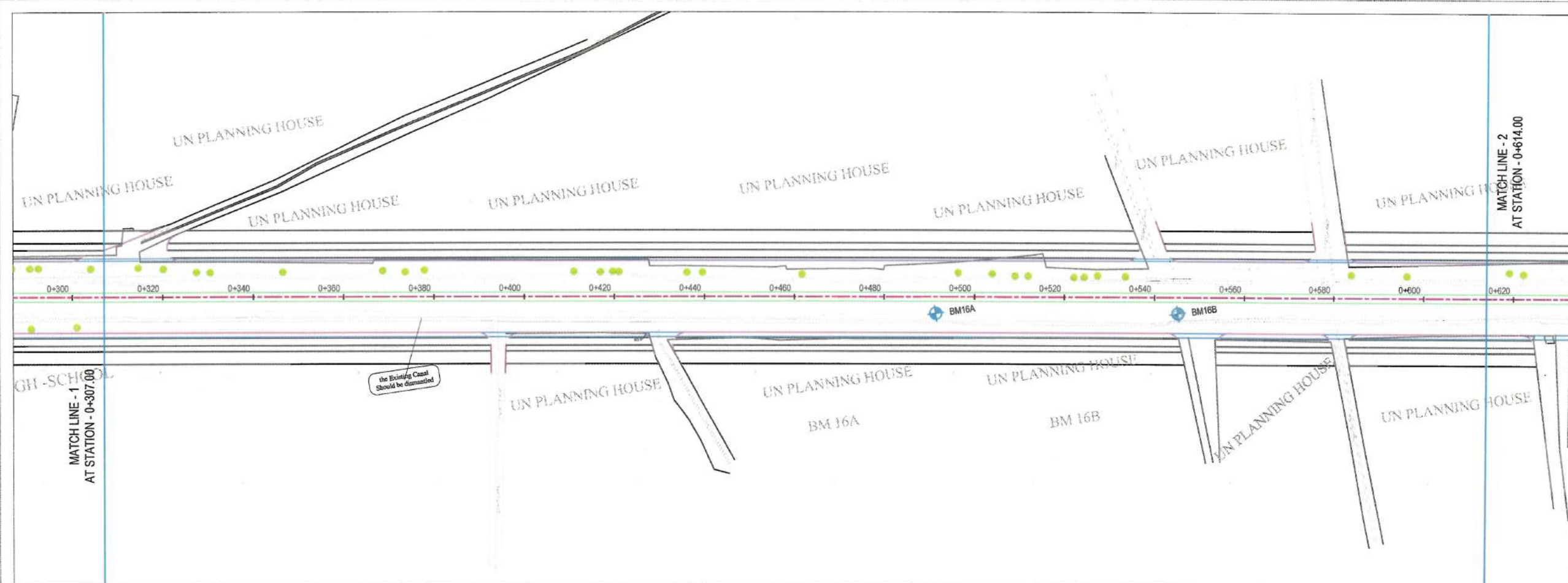
Drawing Title: PLAN & PROFILE

Drawn: Mohammad Jafar	Signature:
Designed: Mohammad Jafar	Signature:
Checked: Hasibullah Shalizi	Signature:
	Signature:

Date: 9/5/2023 Scale: 1:1000

Status: FINAL DESIGN

Project Code:
 SHEET NO. PP Revision 01

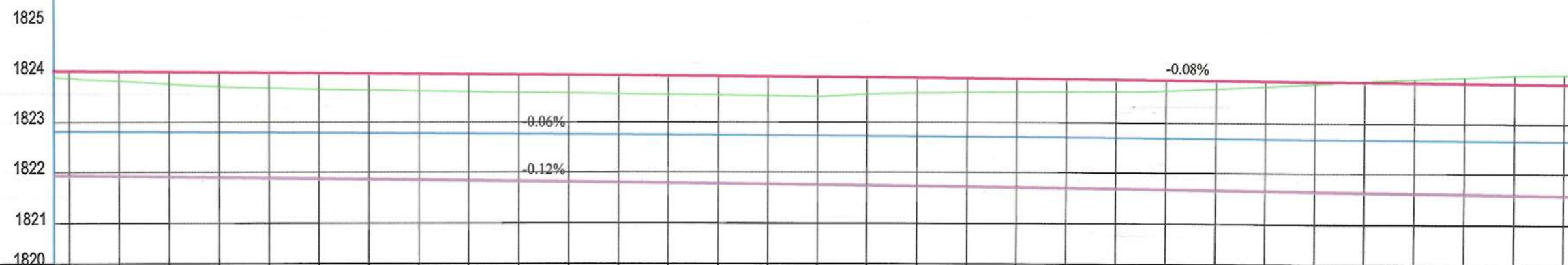


NOTE:
1. All dimensions are in meters unless otherwise indicated.

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



PH-t-BCH



STATION	0+300	0+310	0+320	0+330	0+340	0+350	0+360	0+370	0+380	0+390	0+400	0+410	0+420	0+430	0+440	0+450	0+460	0+470	0+480	0+490	0+500	0+510	0+520	0+530	0+540	0+550	0+560	0+570	0+580	0+590	0+600	0+610		
FINISHED ELEVATION	1824.013	1824.013	1824.006	1823.998	1823.990	1823.983	1823.975	1823.967	1823.960	1823.952	1823.944	1823.937	1823.929	1823.921	1823.914	1823.906	1823.898	1823.891	1823.883	1823.875	1823.868	1823.860	1823.853	1823.845	1823.837	1823.830	1823.822	1823.814	1823.807	1823.799	1823.791	1823.784		
EXISTING ELEVATION	1823.985	1823.985	1823.981	1823.978	1823.973	1823.967	1823.961	1823.954	1823.947	1823.940	1823.933	1823.926	1823.919	1823.912	1823.905	1823.898	1823.891	1823.884	1823.877	1823.870	1823.863	1823.856	1823.849	1823.842	1823.835	1823.828	1823.821	1823.814	1823.807	1823.799	1823.791	1823.784		
DRAIN BED ELEVATION LEFT	1821.925	1822.610	1822.811	1822.600	1822.700	1822.794	1822.780	1822.780	1822.776	1822.772	1822.761	1822.761	1822.756	1822.750	1822.744	1822.736	1822.733	1822.728	1822.722	1822.716	1822.711	1822.705	1822.699	1822.694	1822.688	1822.683	1822.676	1822.670	1822.665	1822.659	1822.654	1822.648		
DRAIN BED ELEVATION RIGHT	1821.925	1822.610	1822.811	1822.600	1822.700	1822.794	1822.780	1822.780	1822.776	1822.772	1822.761	1822.761	1822.756	1822.750	1822.744	1822.736	1822.733	1822.728	1822.722	1822.716	1822.711	1822.705	1822.699	1822.694	1822.688	1822.683	1822.676	1822.670	1822.665	1822.659	1822.654	1822.648		
HORIZONTAL GEOMETRY	L=787.70																																	
VERTICAL GEOMETRY	G=-0.06% L=810.00																																	

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

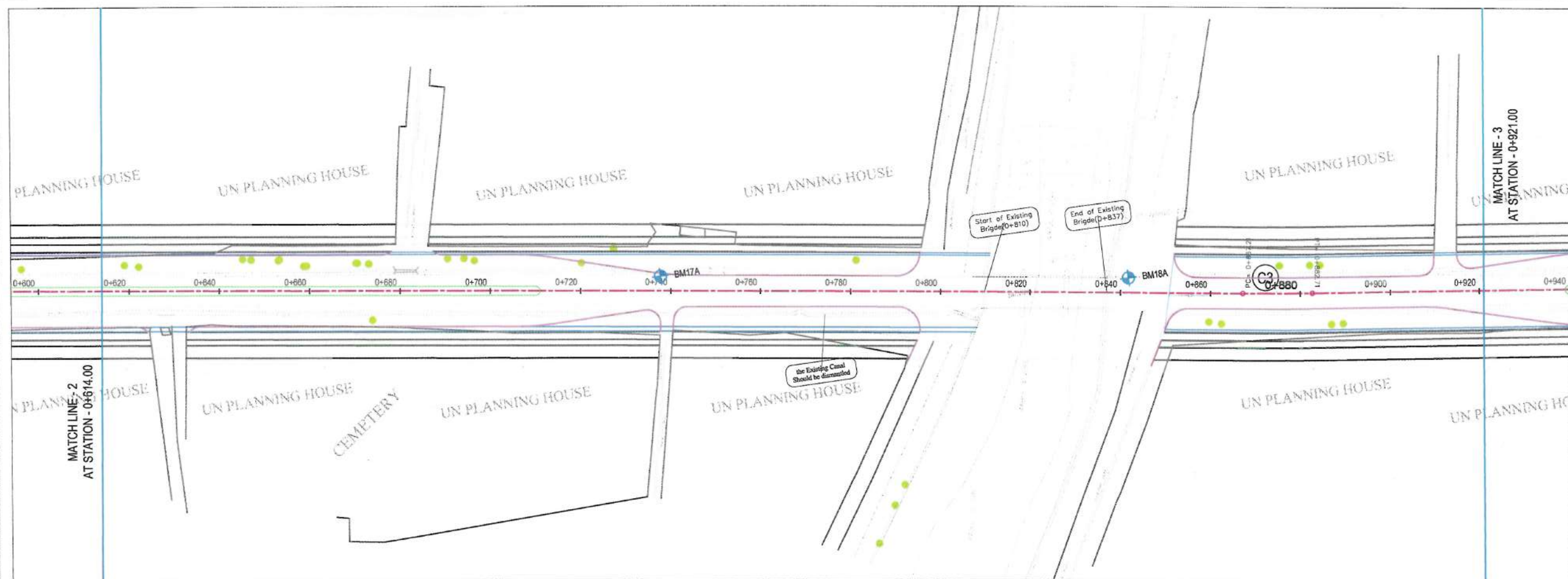
Drawing Title:
PLAN & PROFILE

Drawn: Mohammad Jafar
Designed: Mohammad Jafar
Checked: Habibullah Shalizi

Date: 9/5/2023
Scale: 1:1000

Status: FINAL DESIGN
Project Code

SHEET NO. PP (1)
Revision 01



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

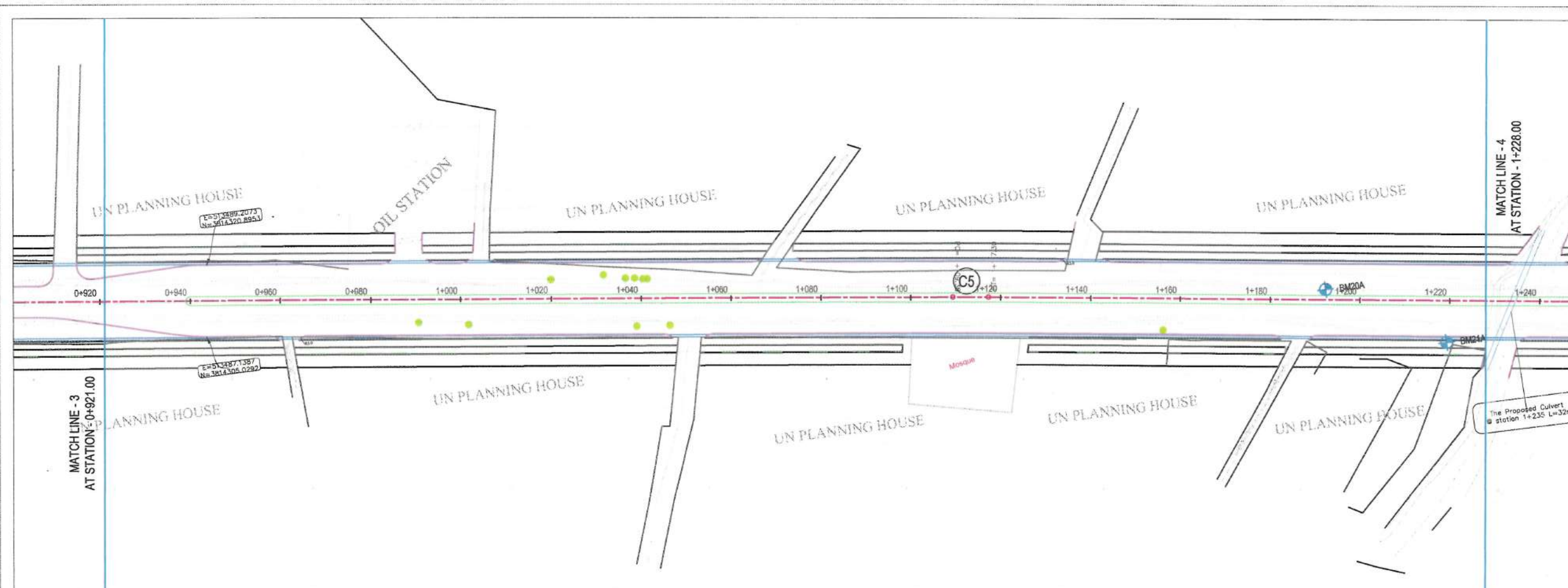
- LEGENDS
- CENTER-LINE
 - CARRIAGEWAY
 - PROPOSED DITCH
 - PROPOSED GREENERY
 - PROPOSED SIDEWALK
 - EXISTING FENCE
 - EXISTING FEATURES
 - CULVERT
 - TREE
 - BENCH MARK
 - ELECTRIC POLE



PH-t-BCH

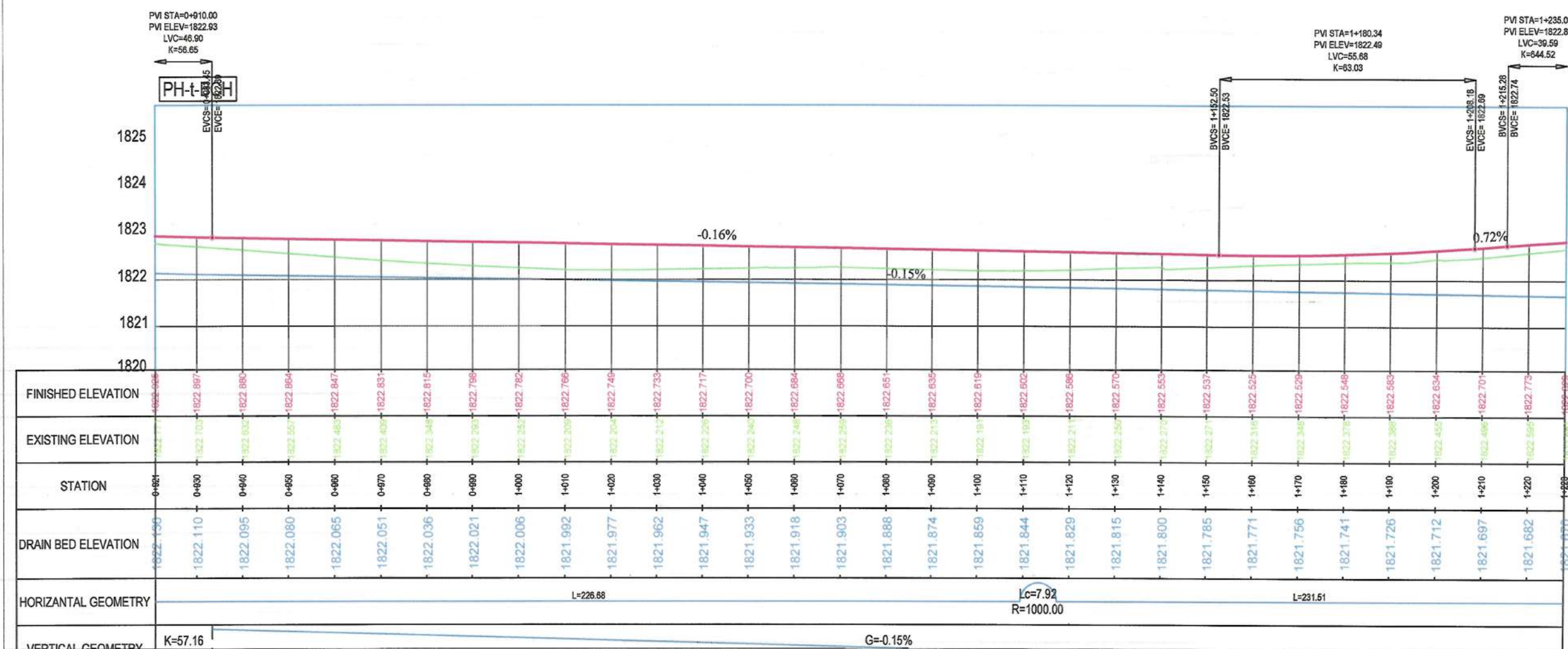


FINISHED ELEVATION	1823.704	1823.776	1823.769	1823.761	1823.753	1823.745	1823.738	1823.730	1823.722	1823.715	1823.707	1823.699	1823.692	1823.684	1823.676	1823.668	1823.661	1823.654	1823.646	1823.638	1823.631	1823.623	1823.616	1823.608	1823.601	1823.594	1823.586	1823.579	1823.571	1823.564	1823.556	1823.549	1823.541	1823.534	1823.526	1823.519	1823.511	1823.504	1823.496	1823.489	1823.481	1823.474	1823.466	1823.459	1823.451	1823.444	1823.436	1823.429	1823.421	1823.414	1823.406	1823.399	1823.391	1823.384	1823.376	1823.369	1823.361	1823.354	1823.346	1823.339	1823.331	1823.324	1823.316	1823.309	1823.301	1823.294	1823.286	1823.279	1823.271	1823.264	1823.256	1823.249	1823.241	1823.234	1823.226	1823.219	1823.211	1823.204	1823.196	1823.189	1823.181	1823.174	1823.166	1823.159	1823.151	1823.144	1823.136	1823.129	1823.121	1823.114	1823.106	1823.099	1823.091	1823.084	1823.076	1823.069	1823.061	1823.054	1823.046	1823.039	1823.031	1823.024	1823.016	1823.009	1823.001	1822.994	1822.986	1822.979	1822.971	1822.964	1822.956	1822.949	1822.941	1822.934	1822.926	1822.919	1822.911	1822.904	1822.896	1822.889	1822.881	1822.874	1822.866	1822.859	1822.851	1822.844	1822.836	1822.829	1822.821	1822.814	1822.806	1822.799	1822.791	1822.784	1822.776	1822.769	1822.761	1822.754	1822.746	1822.739	1822.731	1822.724	1822.716	1822.709	1822.701	1822.694	1822.686	1822.679	1822.671	1822.664	1822.656	1822.649	1822.641	1822.634	1822.626	1822.619	1822.611	1822.604	1822.596	1822.589	1822.581	1822.574	1822.566	1822.559	1822.551	1822.544	1822.536	1822.529	1822.521	1822.514	1822.506	1822.499	1822.491	1822.484	1822.476	1822.469	1822.461	1822.454	1822.446	1822.439	1822.431	1822.424	1822.416	1822.409	1822.401	1822.394	1822.386	1822.379	1822.371	1822.364	1822.356	1822.349	1822.341	1822.334	1822.326	1822.319	1822.311	1822.304	1822.296	1822.289	1822.281	1822.274	1822.266	1822.259	1822.251	1822.244	1822.236	1822.229	1822.221	1822.214	1822.206	1822.199	1822.191	1822.184	1822.176	1822.169	1822.161	1822.154	1822.146	1822.139	1822.131	1822.124	1822.116	1822.109	1822.101	1822.094	1822.086	1822.079	1822.071	1822.064	1822.056	1822.049	1822.041	1822.034	1822.026	1822.019	1822.011	1822.004	1821.996	1821.989	1821.981	1821.974	1821.966	1821.959	1821.951	1821.944	1821.936	1821.929	1821.921	1821.914	1821.906	1821.899	1821.891	1821.884	1821.876	1821.869	1821.861	1821.854	1821.846	1821.839	1821.831	1821.824	1821.816	1821.809	1821.801	1821.794	1821.786	1821.779	1821.771	1821.764	1821.756	1821.749	1821.741	1821.734	1821.726	1821.719	1821.711	1821.704	1821.696	1821.689	1821.681	1821.674	1821.666	1821.659	1821.651	1821.644	1821.636	1821.629	1821.621	1821.614	1821.606	1821.599	1821.591	1821.584	1821.576	1821.569	1821.561	1821.554	1821.546	1821.539	1821.531	1821.524	1821.516	1821.509	1821.501	1821.494	1821.486	1821.479	1821.471	1821.464	1821.456	1821.449	1821.441	1821.434	1821.426	1821.419	1821.411	1821.404	1821.396	1821.389	1821.381	1821.374	1821.366	1821.359	1821.351	1821.344	1821.336	1821.329	1821.321	1821.314	1821.306	1821.299	1821.291	1821.284	1821.276	1821.269	1821.261	1821.254	1821.246	1821.239	1821.231	1821.224	1821.216	1821.209	1821.201	1821.194	1821.186	1821.179	1821.171	1821.164	1821.156	1821.149	1821.141	1821.134	1821.126	1821.119	1821.111	1821.104	1821.096	1821.089	1821.081	1821.074	1821.066	1821.059	1821.051	1821.044	1821.036	1821.029	1821.021	1821.014	1821.006	1821.000	1820.994	1820.986	1820.979	1820.971	1820.964	1820.956	1820.949	1820.941	1820.934	1820.926	1820.919	1820.911	1820.904	1820.896	1820.889	1820.881	1820.874	1820.866	1820.859	1820.851	1820.844	1820.836	1820.829	1820.821	1820.814	1820.806	1820.799	1820.791	1820.784	1820.776	1820.769	1820.761	1820.754	1820.746	1820.739	1820.731	1820.724	1820.716	1820.709	1820.701	1820.694	1820.686	1820.679	1820.671	1820.664	1820.656	1820.649	1820.641	1820.634	1820.626	1820.619	1820.611	1820.604	1820.596	1820.589	1820.581	1820.574	1820.566	1820.559	1820.551	1820.544	1820.536	1820.529	1820.521	1820.514	1820.506	1820.499	1820.491	1820.484	1820.476	1820.469	1820.461	1820.454	1820.446	1820.439	1820.431	1820.424	1820.416	1820.409	1820.401	1820.394	1820.386	1820.379	1820.371	1820.364	1820.356	1820.349	1820.341	1820.334	1820.326	1820.319	1820.311	1820.304	1820.296	1820.289	1820.281	1820.274	1820.266	1820.259	1820.251	1820.244	1820.236	1820.229	1820.221	1820.214	1820.206	1820.199	1820.191	1820.184	1820.176	1820.169	1820.161	1820.154	1820.146	1820.139	1820.131	1820.124	1820.116	1820.109	1820.101	1820.094	1820.086	1820.079	1820.071	1820.064	1820.056	1820.049	1820.041	1820.034	1820.026	1820.019	1820.011	1820.004	1819.996	1819.989	1819.981	1819.974	1819.966	1819.959	1819.951	1819.944	1819.936	1819.929	1819.921	1819.914	1819.906	1819.899	1819.891	1819.884	1819.876	1819.869	1819.861	1819.854	1819.846	1819.839	1819.831	1819.824	1819.816	1819.809	1819.801	1819.794	1819.786	1819.779	1819.771	1819.764	1819.756	1819.749	1819.741	1819.734	1819.726	1819.719	1819.711	1819.704	1819.696	1819.689	1819.681	1819.674	1819.666	1819.659	1819.651	1819.644	1819.636	1819.629	1819.621	1819.614	1819.606	1819.599	1819.591	1819.584	1819.576	1819.569	1819.561	1819.554	1819.546	1819.539	1819.531	1819.524	1819.516	1819.509	1819.501	1819.494	1819.486	1819.479	1819.471	1819.464	1819.456	1819.449	1819.441	1819.434	1819.426	1819.419	1819.411	1819.404	1819.396	1819.389	1819.381	1819.374	1819.366	1819.359	1819.351	1819.344	1819.336	1819.329	1819.321	1819.314	1819.306	1819.299	1819.291	1819.284	1819.276	1819.269	1819.261	1819.254	1819.246	1819.239	1819.231	1819.224	1819.216	1819.209	1819.201	1819.194	1819.186	1819.179	1819.171	1819.164	1819.156	1819.149	1819.141	1819.134	1819.126	1819.119	1819.111	1819.104	1819.096	1819.089	1819.081	1819.074	1819.066	1819.059
EXISTING ELEVATION	1823.587	1823.584	1823.586	1823.575	1823.577	1823.573	1823.561	1823.544	1823.544	1823.544	1823.551	1823.555	1823.559	1823.531	1823.525	1823.530	1823.561	1823.576	1823.563	1823.537	1823.530	1823.566	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.561	1823.																																																																																																																																																																																																																																																																																																																																																																											



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:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
PLAN & PROFILE

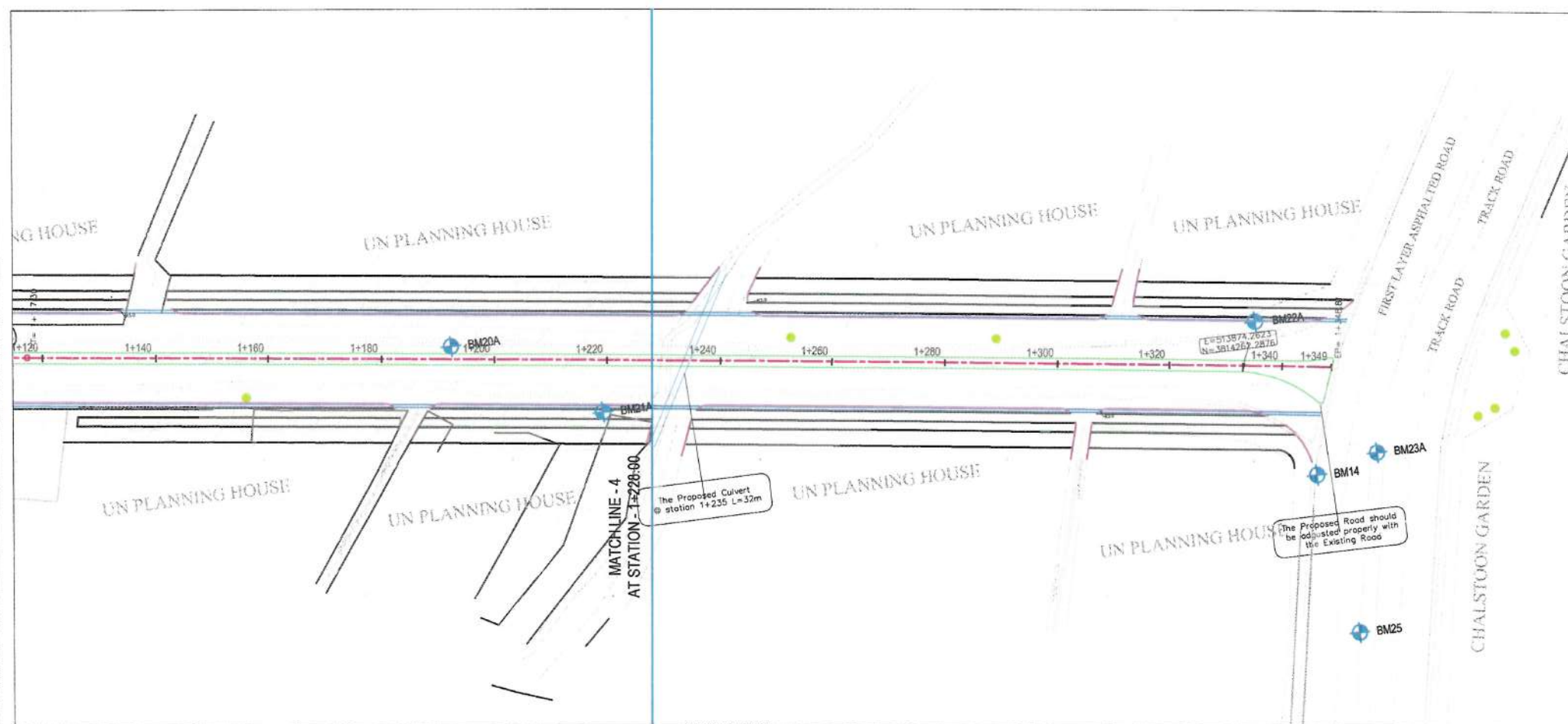
Drawn: Mohammad Jafar
Designed: Mohammad Jafar
Checked: Habibullah Shalizi

Date: 9/5/2023
Scale: 1:1000

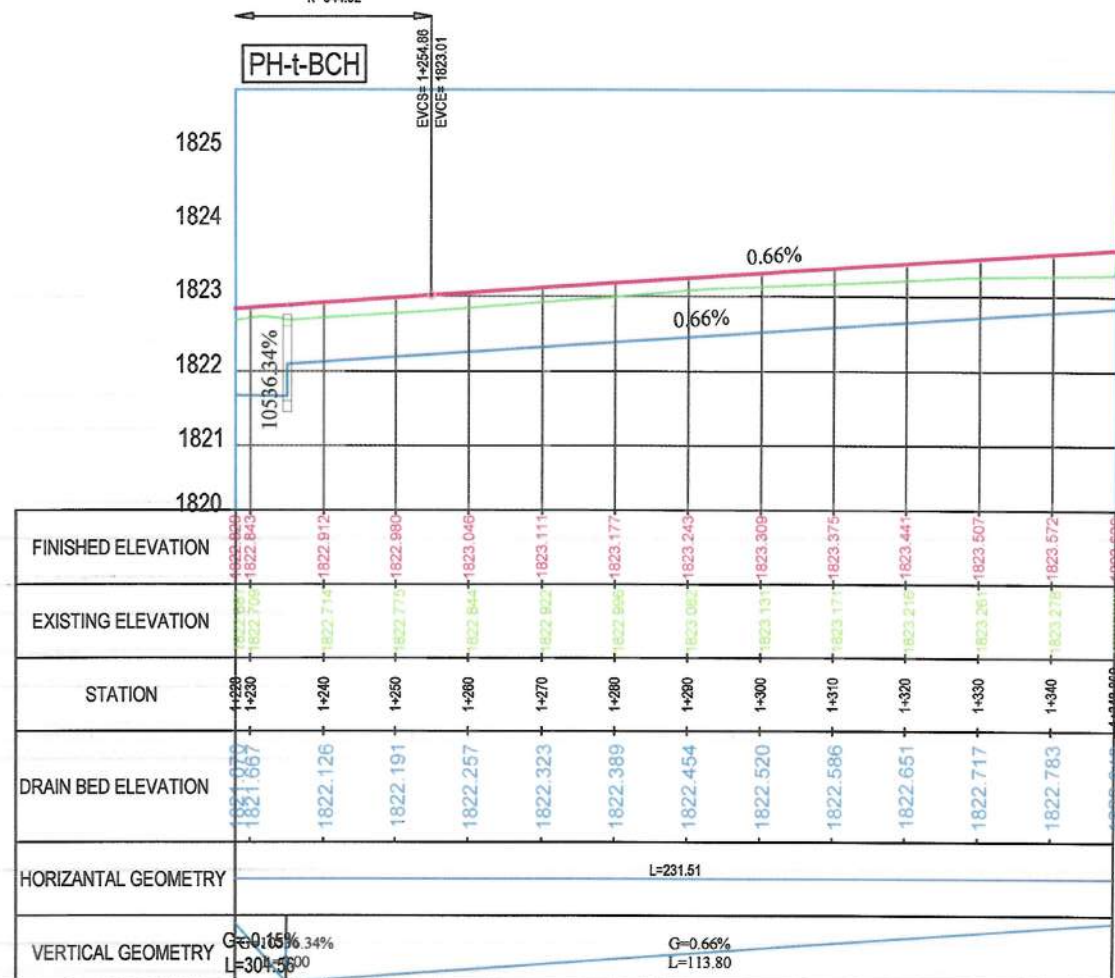
Status: **FINAL DESIGN**

Project Code

SHEET NO. PP (3)
Revision: 01



PVI STA=1+235.07
PVI ELEV=1822.88
LVC=39.59
K=844.52



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:
Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

PLAN & PROFILE

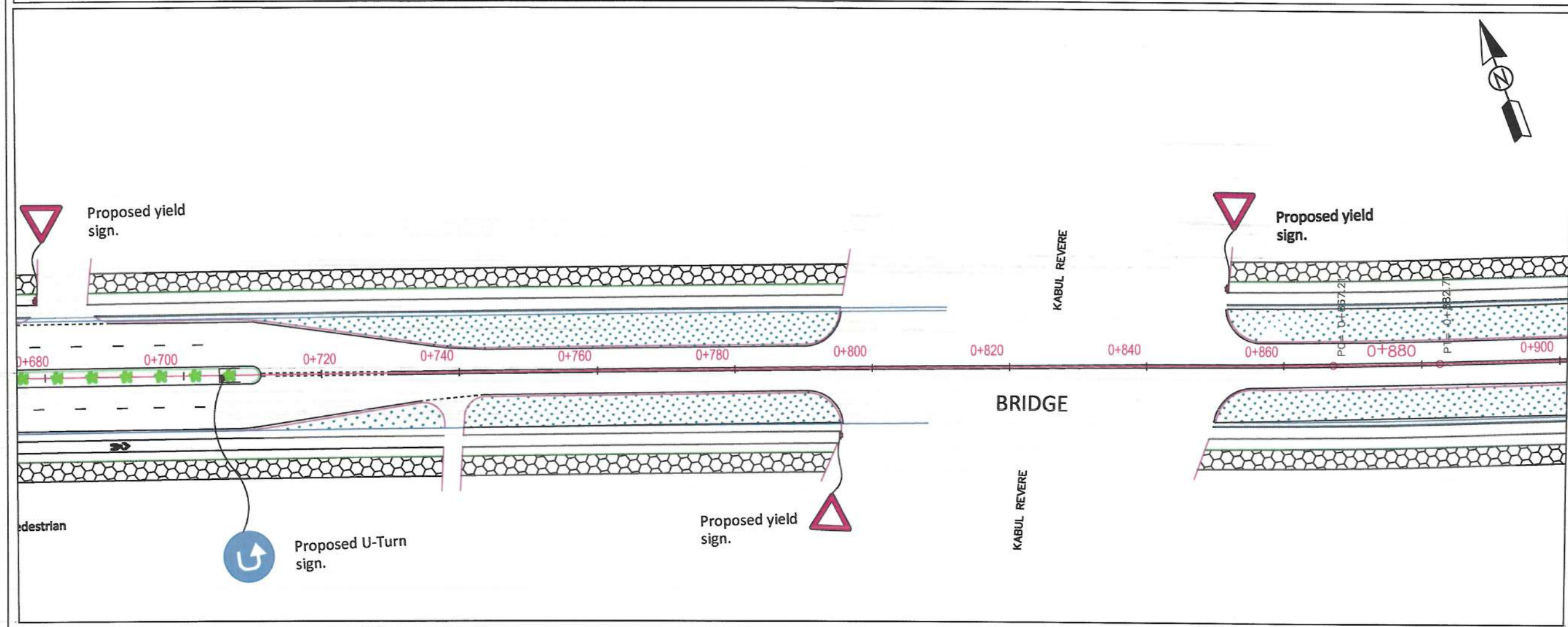
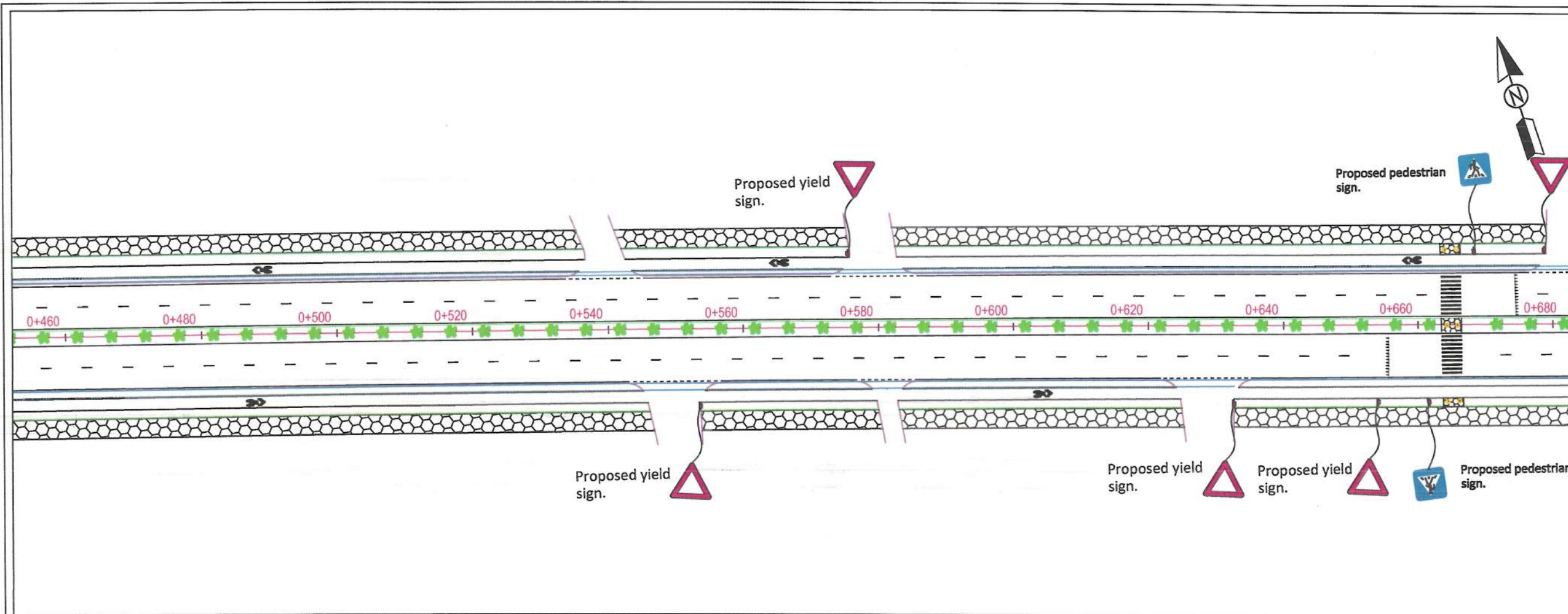
Drawn: Mohammad Jafar	Signature:
Designed: Mohammad Jafar	Signature:
Checked: Habibullah Shalizi	Signature:

Date: 9/5/2023 Scale: 1:1000

Status: FINAL
DESIGN

Project Code

SHEET NO. PP (4)	Revision 01
---------------------	----------------



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



LEGEND	
Center Line	—
Binder Course	▨
Existing Sidewalk Surface	▩
Curb Extension Surface	▧
Granular Material	▤
Natural Soil	▦
PCC Concrete	▥
Greenery	▬
Drainage	—
Drainage on Top	—
Curb Extension Line	—

Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC IMARAT OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:
Kabul Municipality Traffic Engineering Team

Project Name:
Marking Project of pole Hassan Road Project

Drawing Title:

ROAD MARKING

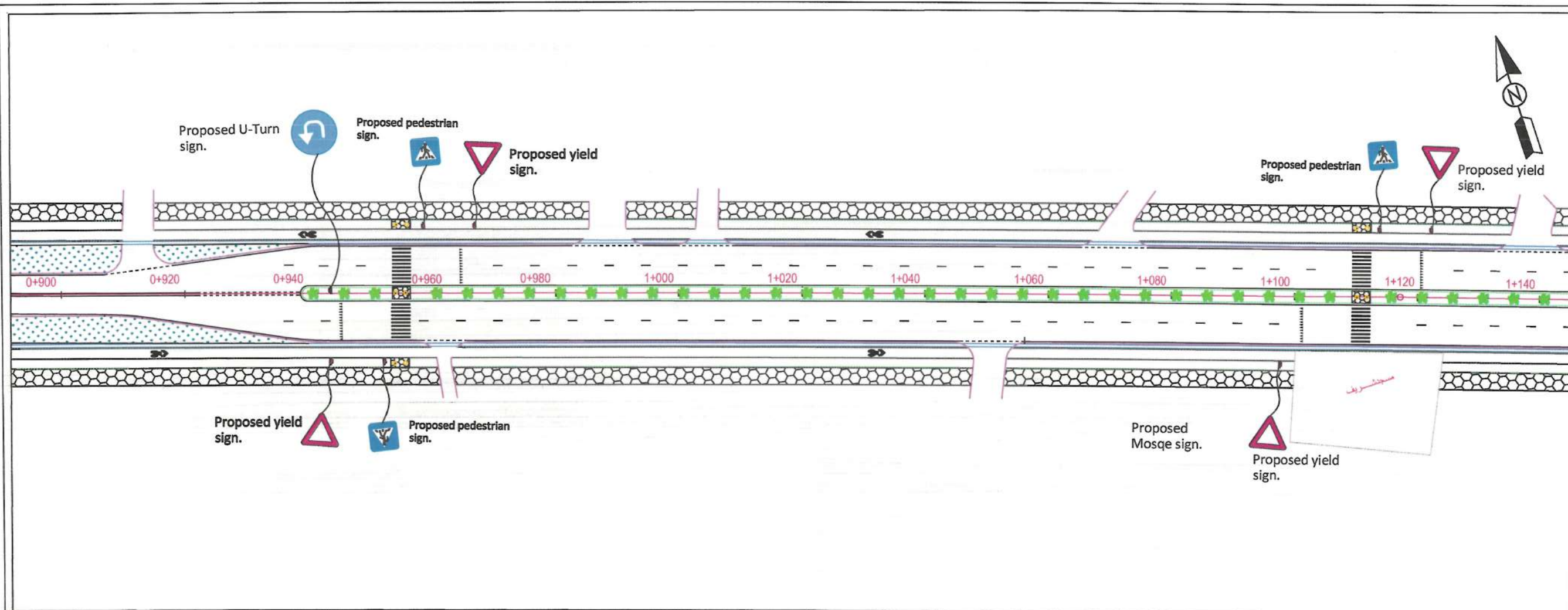
Drawn/Designed: M. Ishaq Rajee	Signature
Checked: Shafuallah Stoman	Signature
Checked: Shamsullah Najafi	Signature
Date: 7/11/2023	Scale:

Status:
FINAL DESIGN

Project Code

Drawing Number
R-02

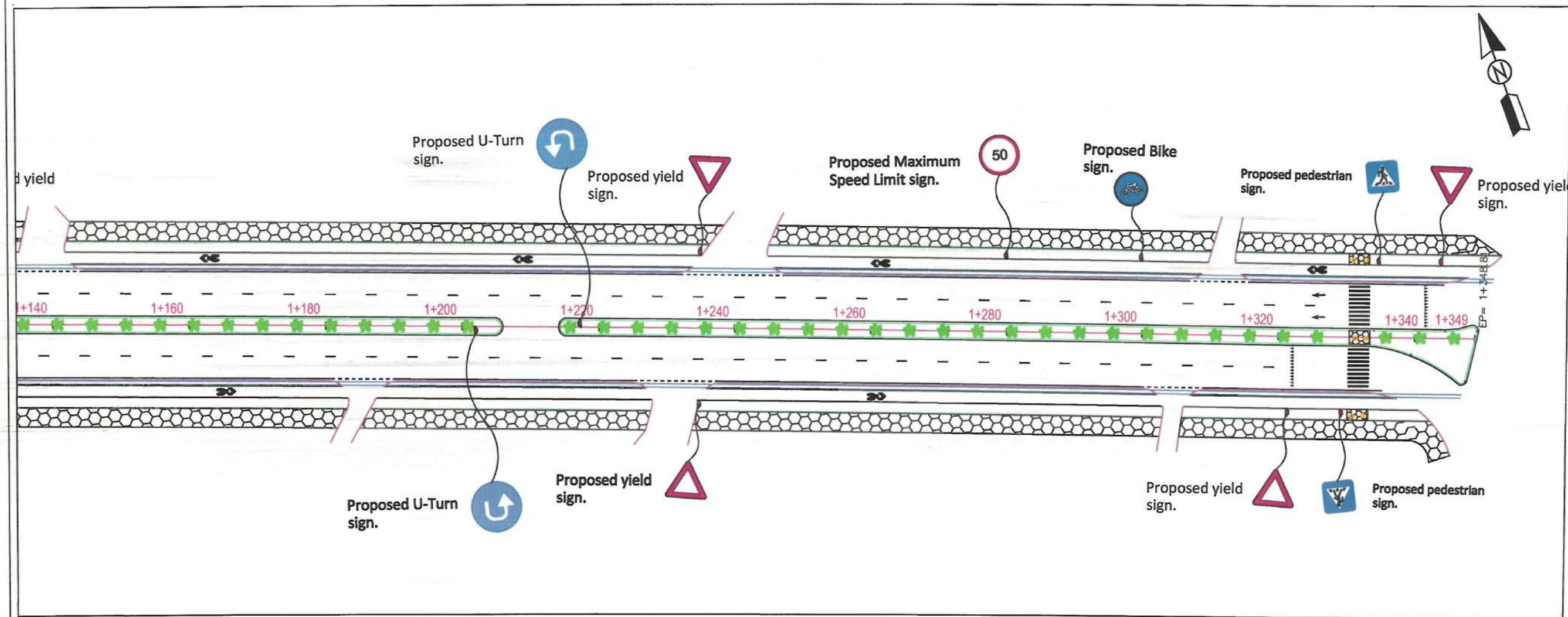
Revision
02



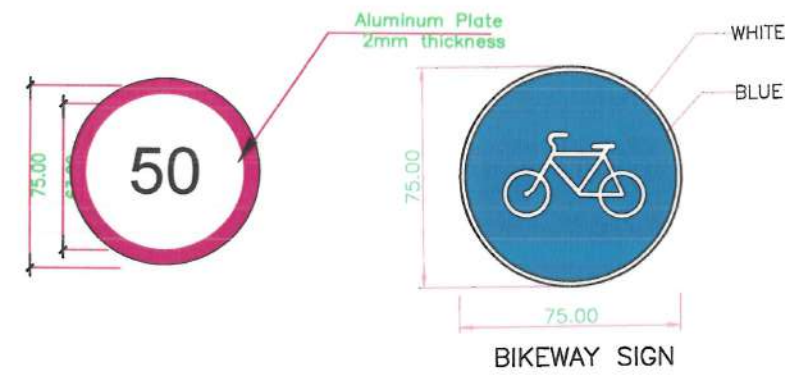
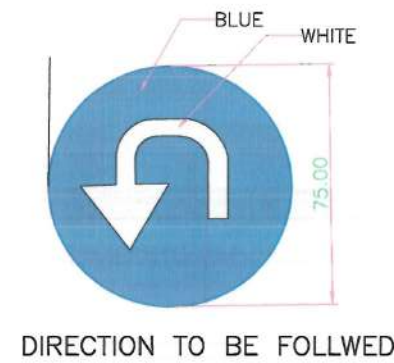
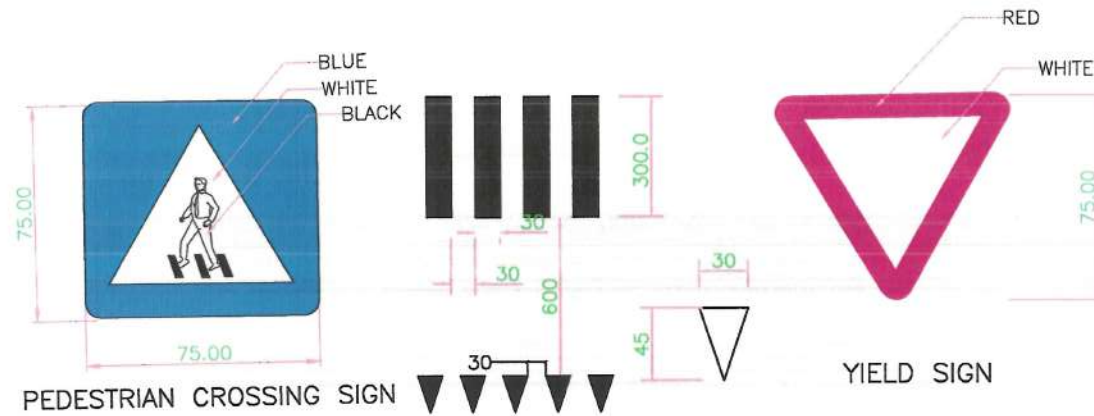
General Notes:
1. All Dimensions are in Meters Unless Otherwise Indicated.



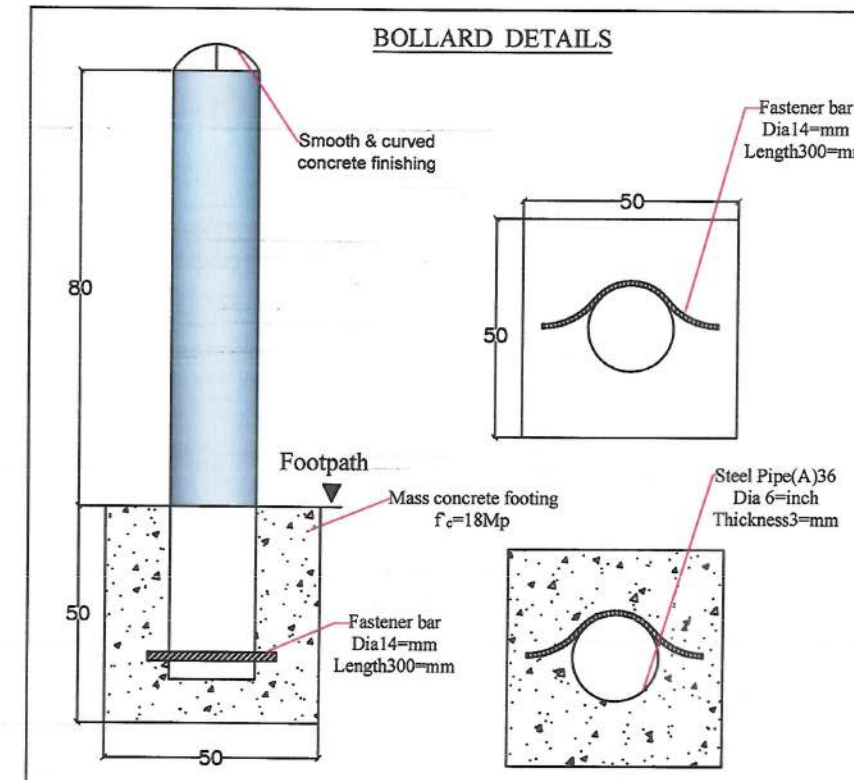
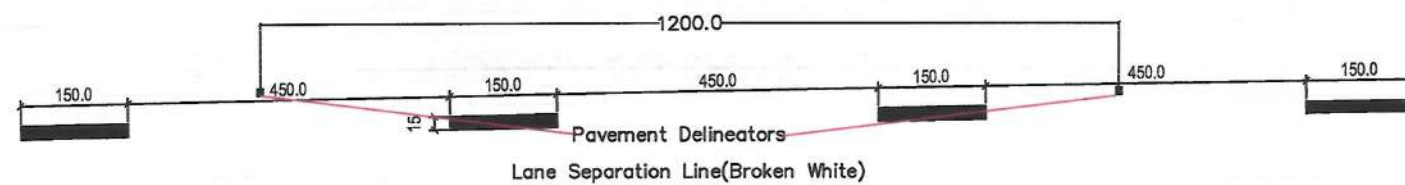
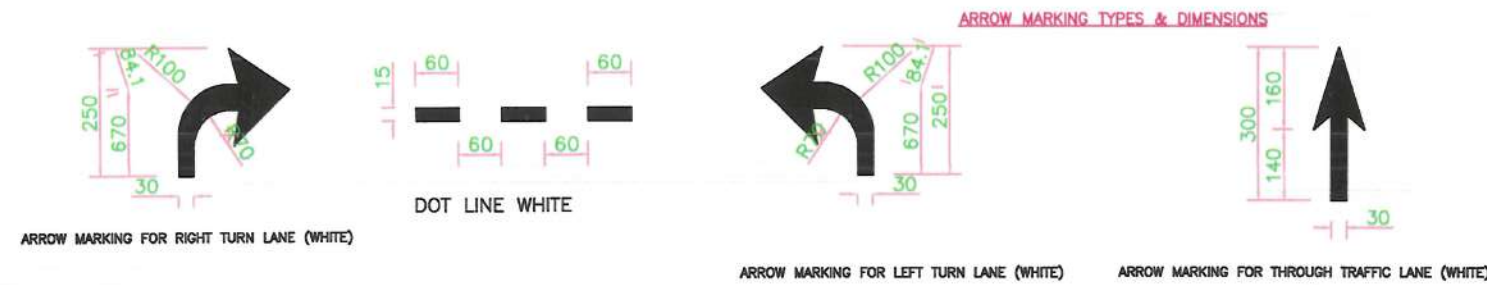
LEGEND	
Center Line	—
Binder Course	▨
Existing Sidewalk Surface	▩
Curb Extension Surface	▧
Granular Material	▦
Natural Soil	▤
PCC Concrete	▥
Greenery	■
Drainage	—
Drainage on Topo	—
Curb Extension Line	—



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.
			ISLAMIC IMARAT OF AFGHANISTAN		
			KABUL MUNICIPALITY		
Design Consultant:					
Kabul Municipality Traffic Engineering Team					
Project Name:					
Marking Project of pole Hassan Road Project					
Drawing Title:					
ROAD MARKING					
Drawn/Designed:			Signature:		
M. Ishaq Rajae					
Checked:			Signature:		
ShafuUllah Stoman					
Checked:			Signature:		
Shamsullah Najafi					
Date:			Scale:		
7/11/2023					
Status:					
FINAL DESIGN					
Project Code					
Drawing Number			Revision		
D-03			01		



Typical Drawing of Crossing and Yield marking



General Notes:

1. All Dimensions are in Meters Unless Otherwise Indicated.

ISLAMIC IMARAT OF AFGHANISTAN

KABUL MUNICIPALITY

Design Consultant:

Kabul Municipality Traffic Engineering Team

Project Name:

Marking Project of pole Hassan Road Project

Drawing Title:

ROAD MARKING

Drawn/Designed: M. Ishaq Rajae

Checked: Shafiqullah Storman

Checked: Shamsullah Najafi

Date: 7/11/2023

Scale:

Status: FINAL DESIGN

Project Code:

Drawing Number: R-04

Revision: 04

STREET LIGHTING SECTION

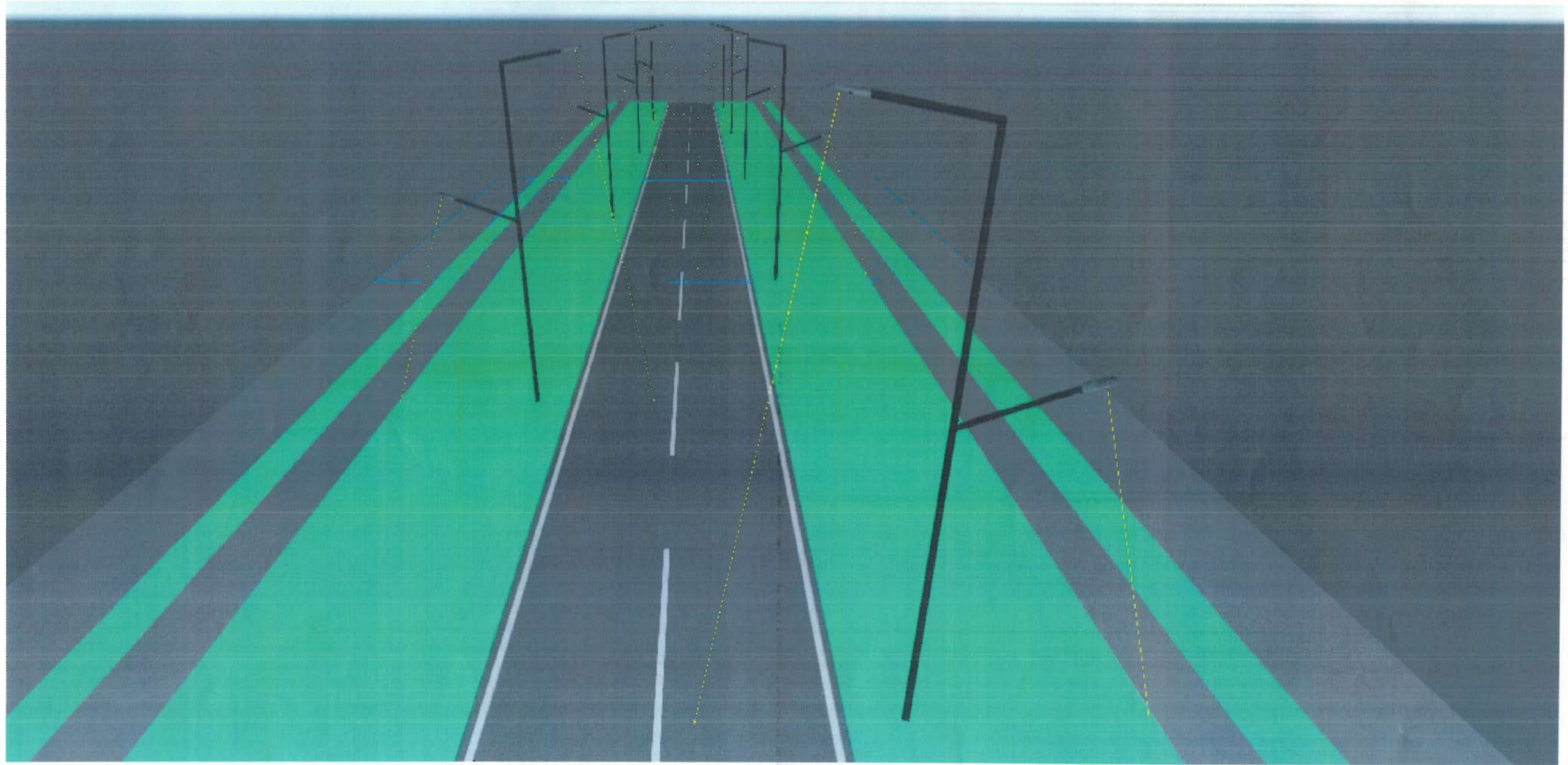


TABLE OF CONTENTS

PAGE NO.	DESCRIPTION	REV STATUS
	GENERAL	
01-1 OF 18	COVERAGE OF PROJECT	
	CIVIL- ELECTRIC LIGHT LAYOUT PLAN FOR POLE-E-HASSAN To BAGH-E-CHEHLSTON	
02 OF 18	TABLE OF CONTENT	
03 OF 18	ELECTRIC LIGHT LAYOUT PLAN 1/2	
04 OF 18	ELECTRIC LIGHT LAYOUT PLAN 2/2	
	ELECTRIC POLE DETAILS POLE-E-HASSAN To BAGH-E-CHEHLSTON	
05 OF 18	DETAILS FOR ELECTRIC POLES	
06 OF 18	DETAILS FOR ELECTRIC POLES	
07 OF 18	DETAILS FOR ELECTRIC POLES	
08 OF 18	DETAILS FOR ELECTRIC POLES	
09 OF 18	DETAILS FOR ELECTRIC POLES	
	ELECTRIC MANHOLES FOR POLE-E-HASSAN To BAGH-E-CHEHLSTON	
10 OF 18	DETAILS FOR PIPE TRENCH SECTION	
11 OF 18	DETAILS FOR MANHOLE	
12 OF 18	DETAILS FOR MANHOLE	
13 OF 18	DETAILS FOR MANHOLE	
	ELECTRIC POWER DISTRIBUTION BOARD	
14 OF 18	ELECTRIC CABAL CALCULATION	
15 OF 18	ELECTRIC CABAL CALCULATION	
16 OF 18	CONTROL CIRCUIT DIAGRAM	
17 OF 18	DETAILS FOR ELECTRIC POLE DISTRIBUTION BOARD	
18 OF 18	ELECTRIC CABAL VOLTAGE LOSSES CALCULATION	

NOTE:



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

TABLE OF CONTENTS

Drawn: Jamahulla Nazari Signature:

Designed: Jamahulla Nazari Signature:

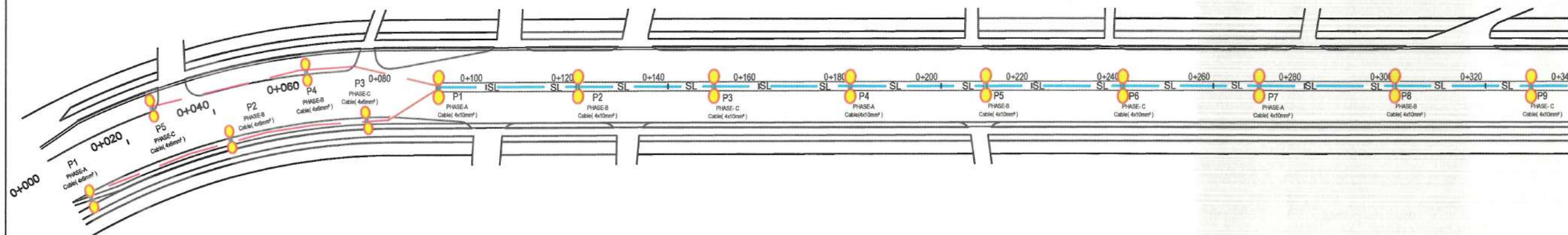
Checked by: Hesibullah Shalizi Signature:

Date: 6 January 2024

Status: FINAL
DESIGN

Project Code

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



Date	Revision Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:
Lighting - Plane

Designed by: Jamshid Nazari
Drawn by: Jamshid Nazari
Checked by: Hasibullah Shalizi

Date: 7 January 2024
Scale: 1:1000

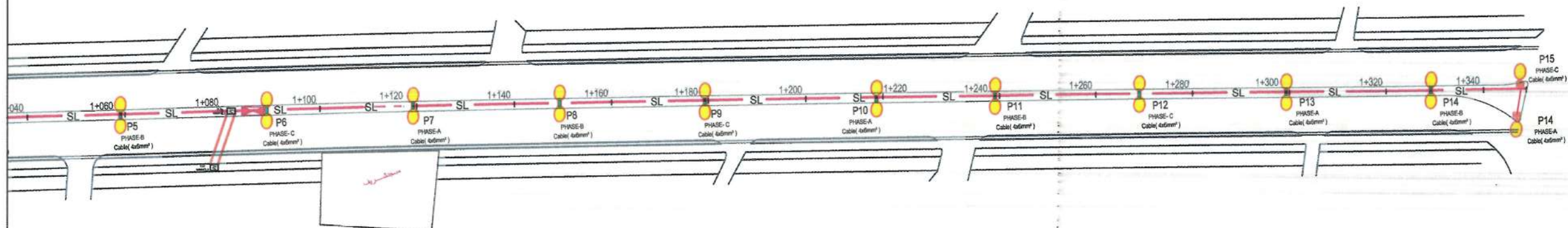
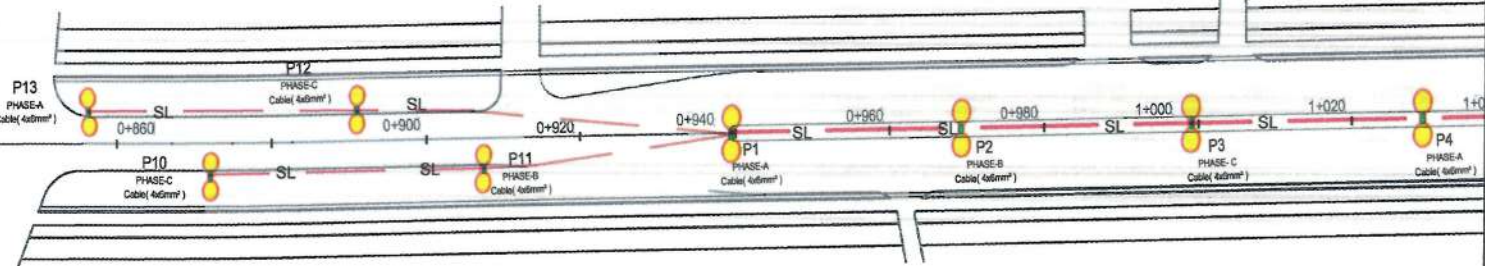
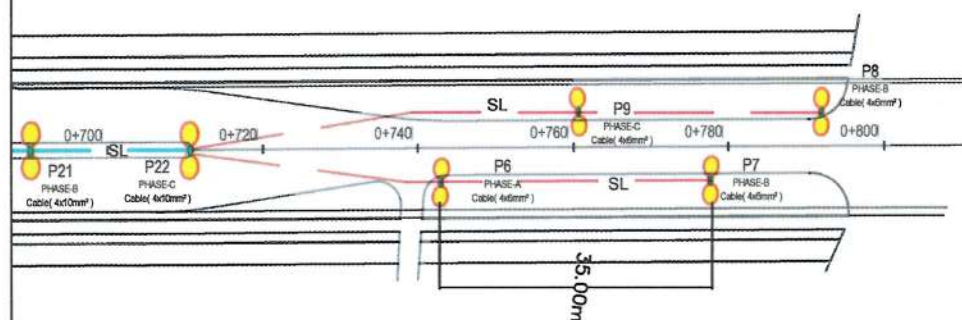
Status: FINAL DESIGN

Project Code

Drawing Number: L-P-1
Revision: 00

Note : Power sources and electrical manholes are approximate in the map, contractor and Project Manager coordination with DABS to recognize the Electrical sources and electrical manhole position, According to voltage losses.

KEY PLAN



نوت: چراغ های که از ستیون 00+0 الی 080+0 و 740+0 الی 920+0 استفاده شده به صورت موقت بوده لگر در آینده بزرگ توسعه پیدا نمود به جای مناسب باید انتقال گردد

- 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
 - 4x6mm² Conduit & Conductor
 - 4x10mm² Conduit & Conductor
 - Steel-Pipe Φ 50-mm



Date	Revision	Details	Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:
Lighting - Plane

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

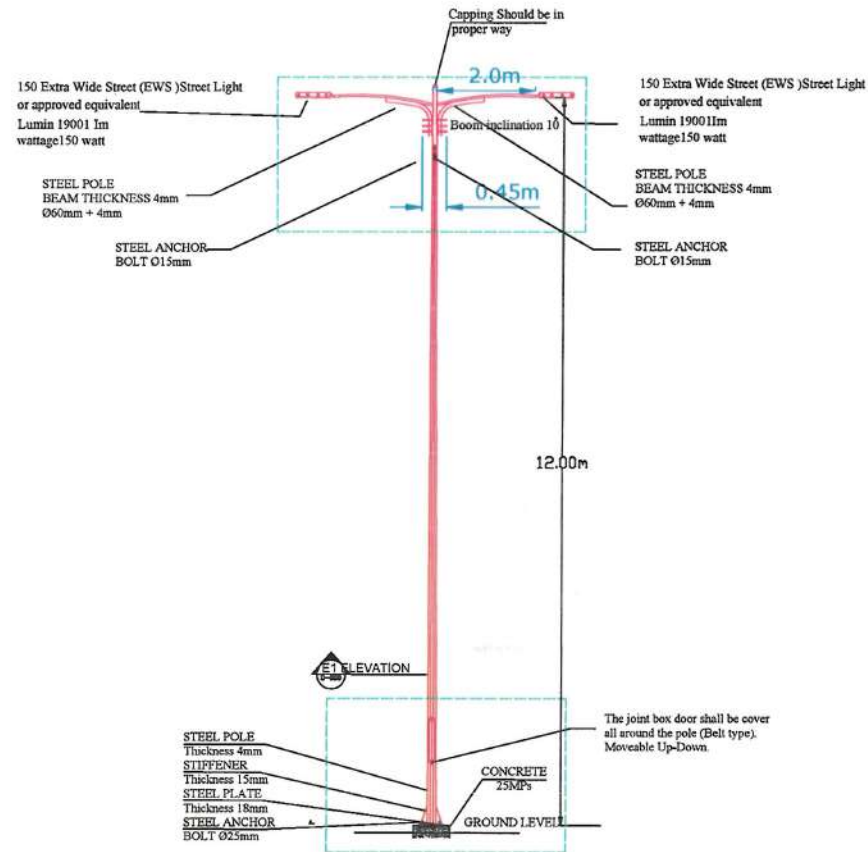
Date: 6 January 2024	Scale: 1:1000
-------------------------	------------------

Status:
FINAL DESIGN

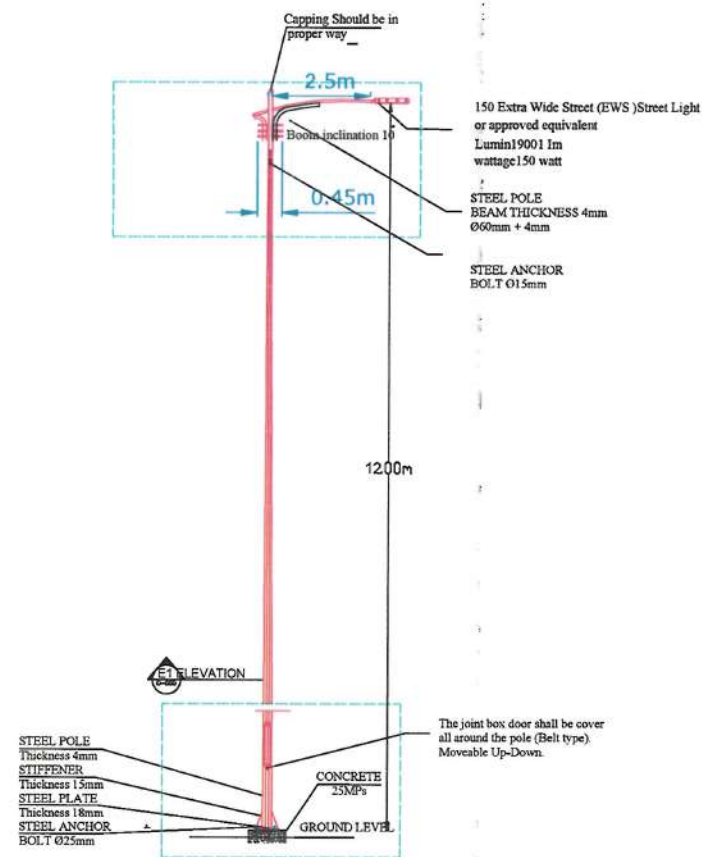
Project Code

Drawing Number L-P-2	Revision 00
-------------------------	----------------

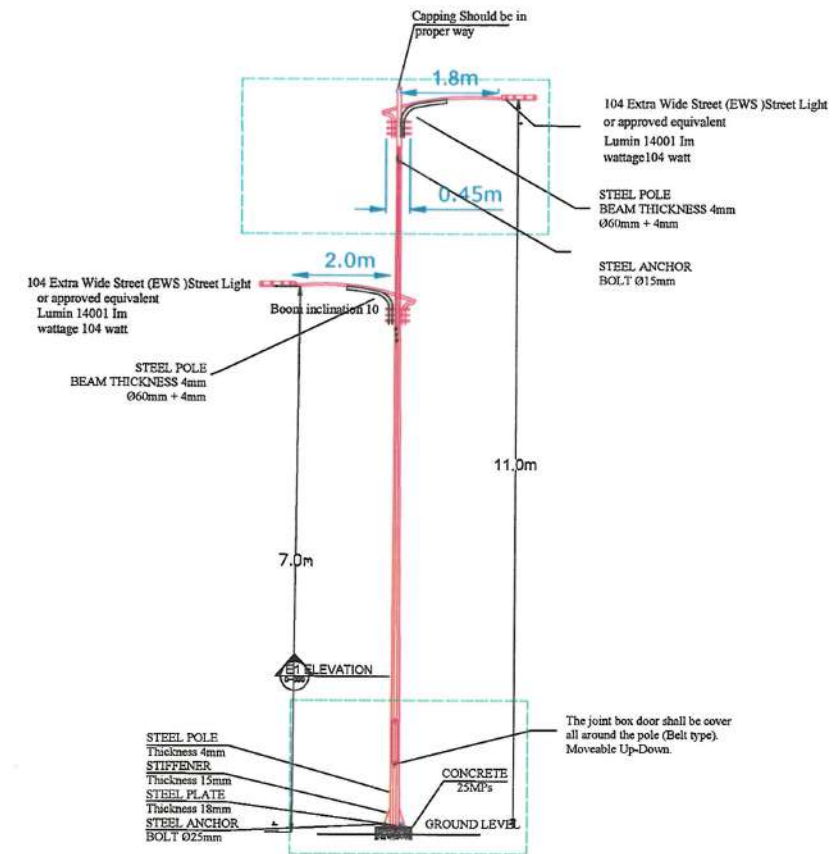
STREET LIGHTING POLE



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



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



Single Arm Street Light Pole at each
35m should be arranged in
the sidegreen area

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



Date Revision Details Drawn Chkd. Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

Street Lighting Details

Drawn: Jamshidha Nazari

Designed: Jamshidha Nazari

Checked by: Haidullah Shalizi

Approved by:

Date: 6 January 2024

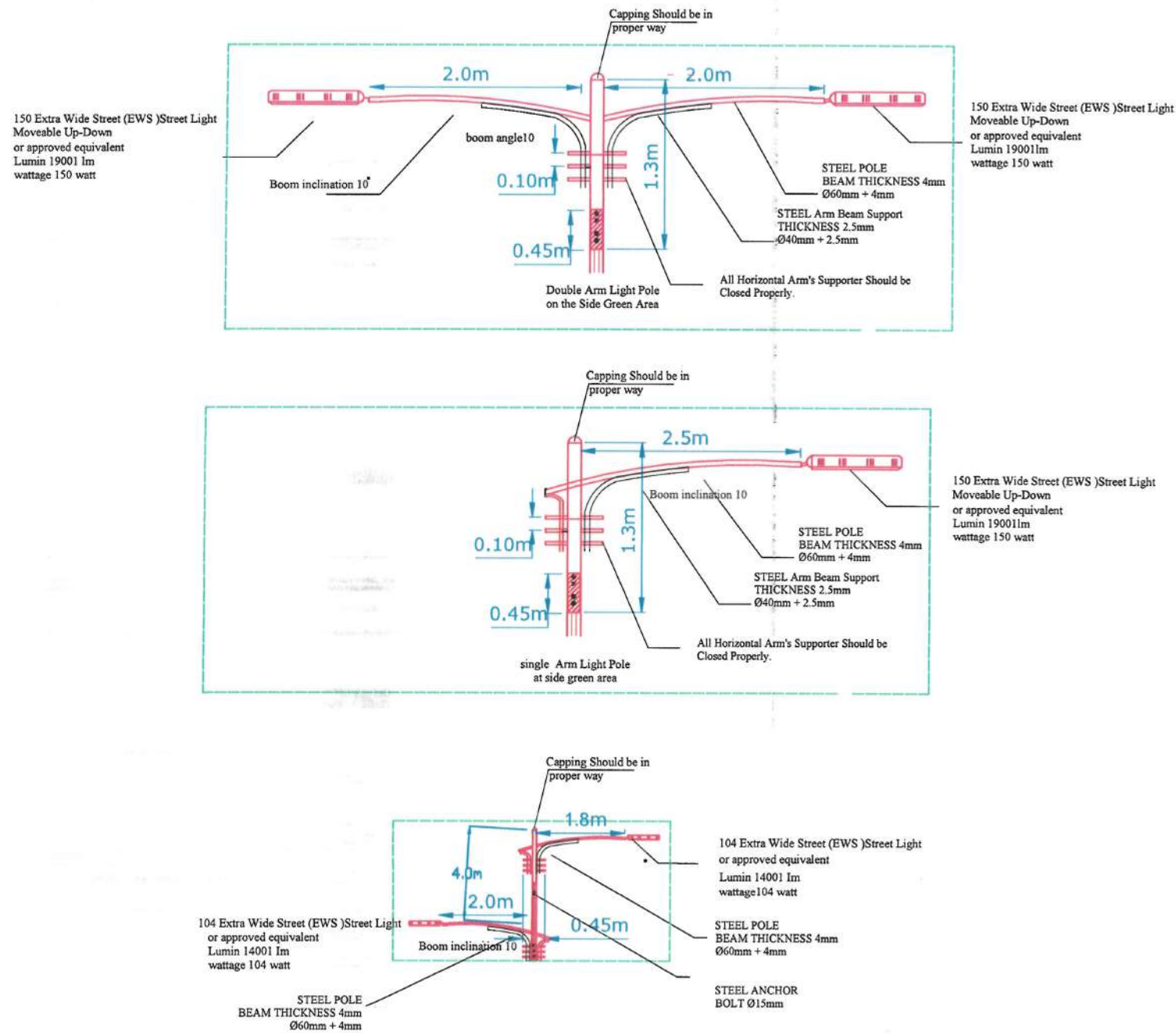
Status: FINEL DESIGN

Project Code

SHEET
S-L-D-01

PAGE NO
01

REVISION
01



NOTE:

1. All dimensions are in meters unless otherwise indicated.



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

Street Lighting Details

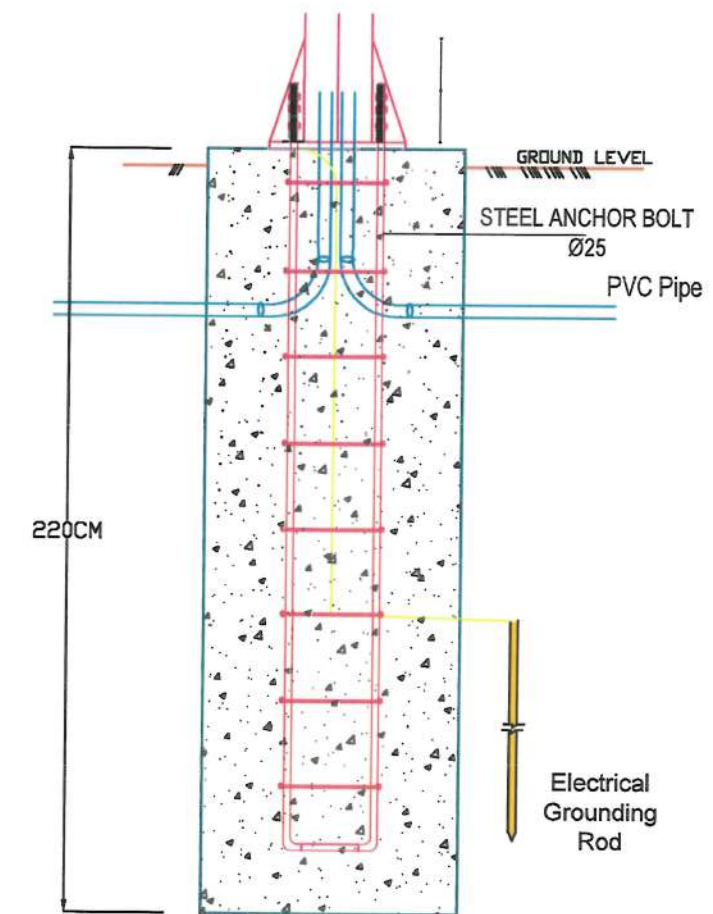
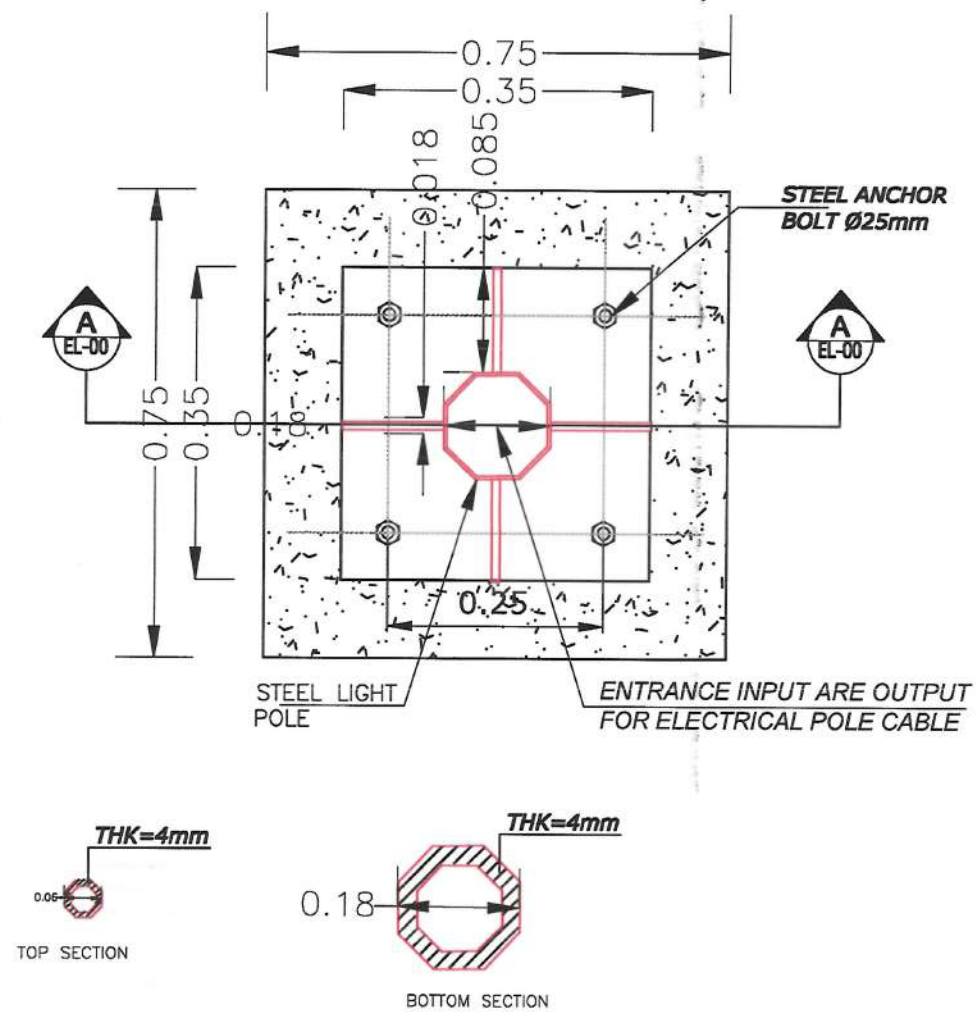
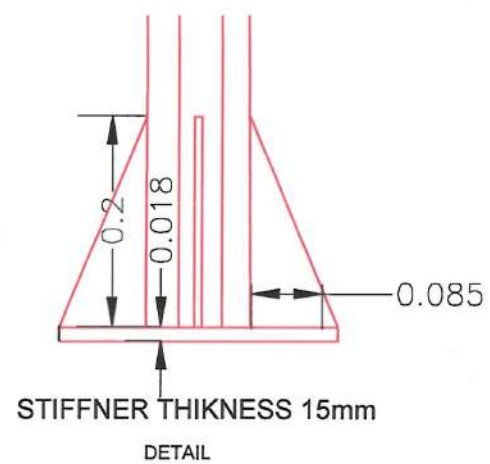
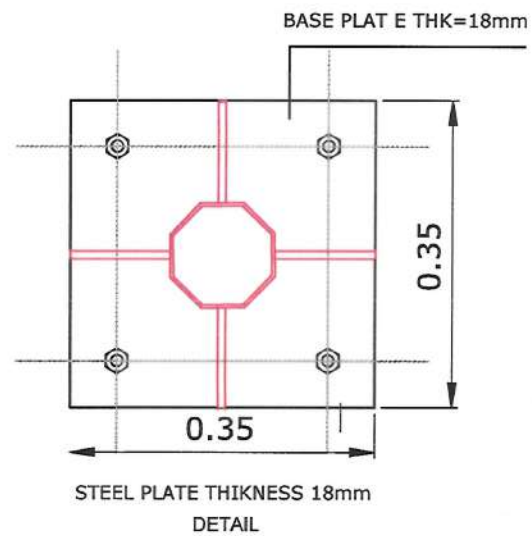
Drawn: Jamalultha Nazari	Signature: [Signature]
Designed: Jamalultha Nazari	Signature: [Signature]
Checked: Hasibullah Shalizi	Signature: [Signature]
Approved by:	Signature: [Signature]

Date: 6 January 2024

Status: FINEL DESIGN

Project Code

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



NOTE:

1. All dimensions are in meters unless otherwise indicated.



Date	Revision	Details	Drawn	Chkd.	Appr.

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Poi-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

Street Lighting Details

Drawn: Jamshid Nazari

Signature:

Designed: Jamshid Nazari

Signature:

Checked by:
Hasibullah Shalizi

Signature:

Date: 6 January 2024

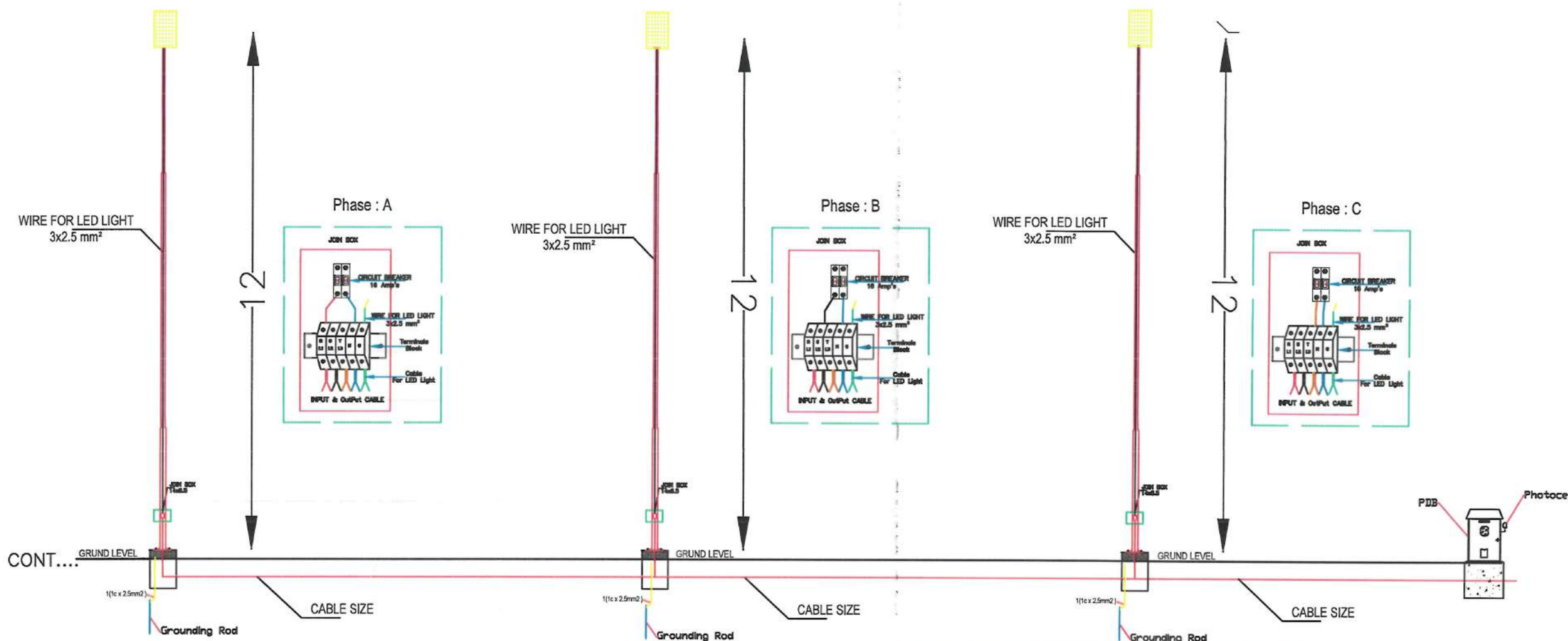
Status: FINEL
DESIGN

Project Code

SHEET
S-L-D-03

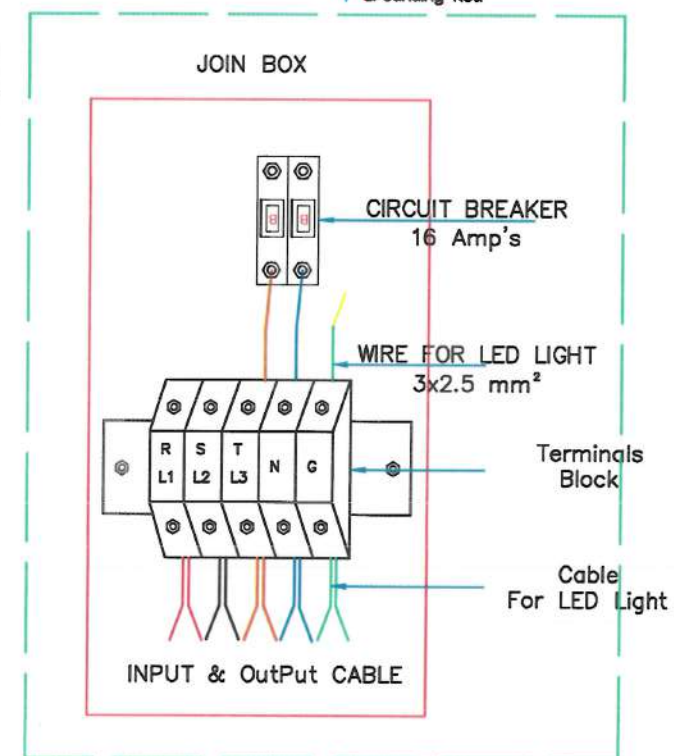
PAGE NO
01

REVISION
01



Note:
all Dimension are in Meter

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



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



Date	Revision	Details	Drawn	Check	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Pol-e-Hammam To Bugh-e-Chashma Road Project

Drawing Title:

Street Lighting Details

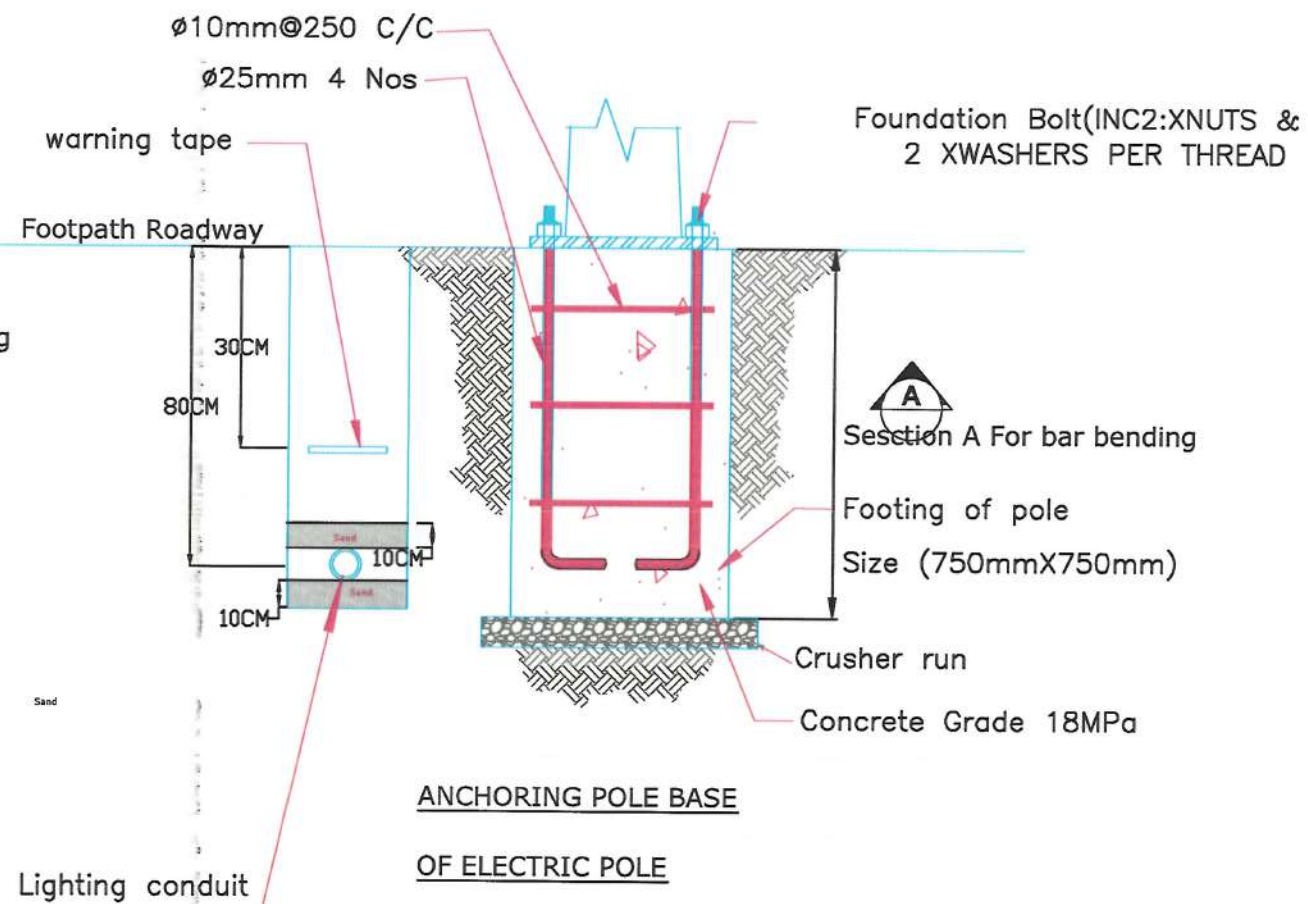
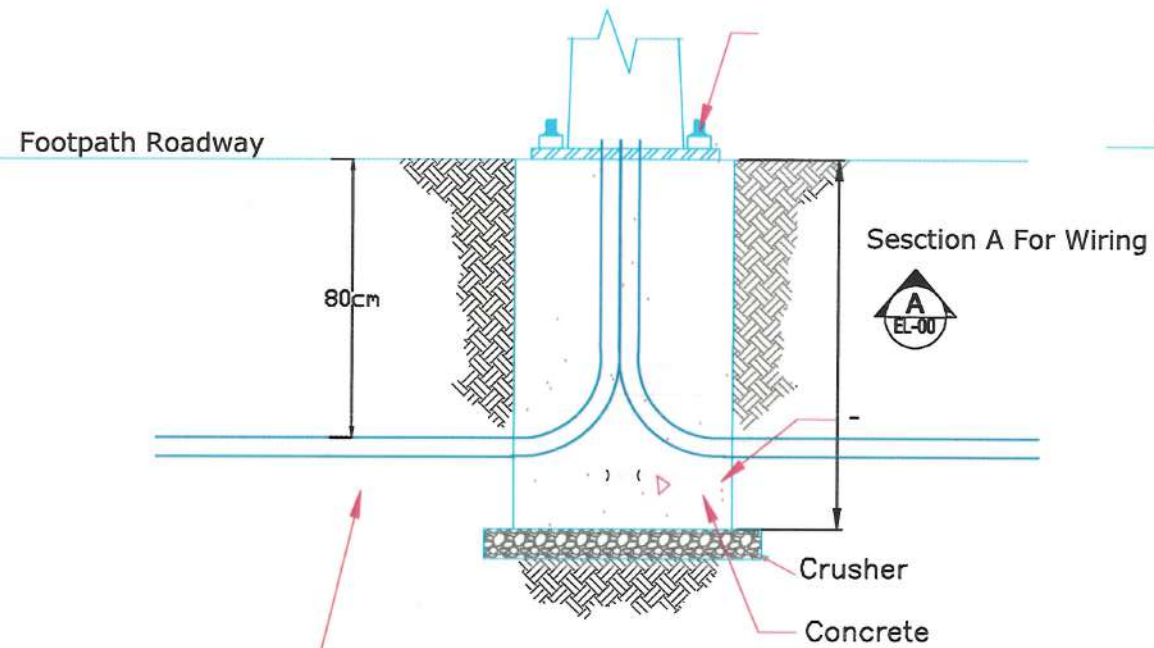
Drawn: Jamshid Nour	Signature:
Designed: Jamshid Nour	Signature:
Checked by: Hamed Ghafari	Signature:

Date: 6 January 2024

Status: FINEL
DESIGN

Project Code

SHEET	PAGE NO	REVISION
S-L-D-04	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
side Green Area	11000	350	18	60	180	4	2200

NOTE:



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Cheliston Road Project

Drawing Title:

Street Lighting Details

Drawn: Jamshid Nazari Signature:

Designed: Jamshid Nazari Signature:

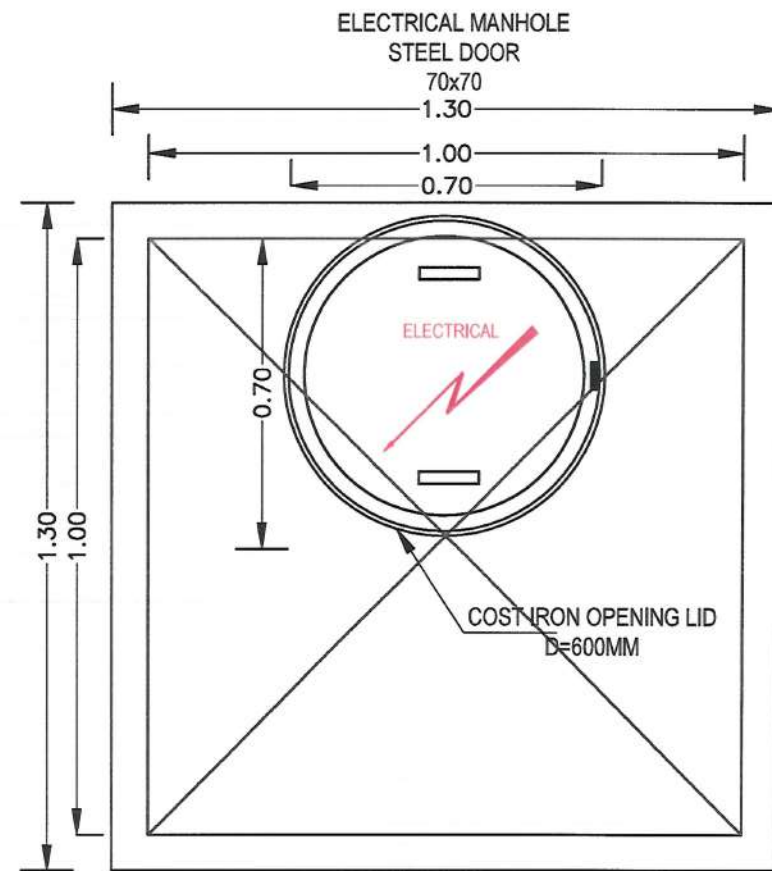
Checked by: Hashbullah Shalizi Signature:

Date: 6 January 2024

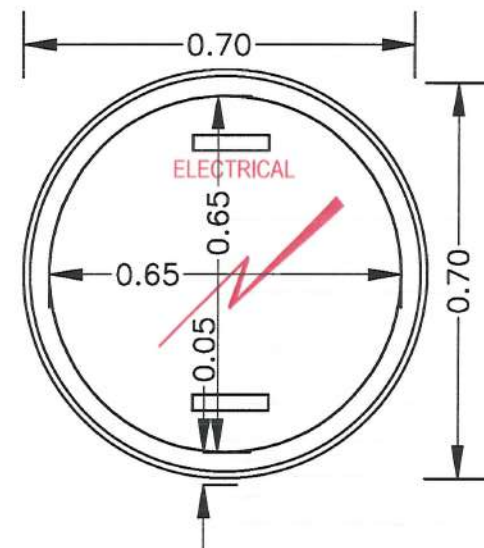
Status: FINEL DESIGN

Project Code

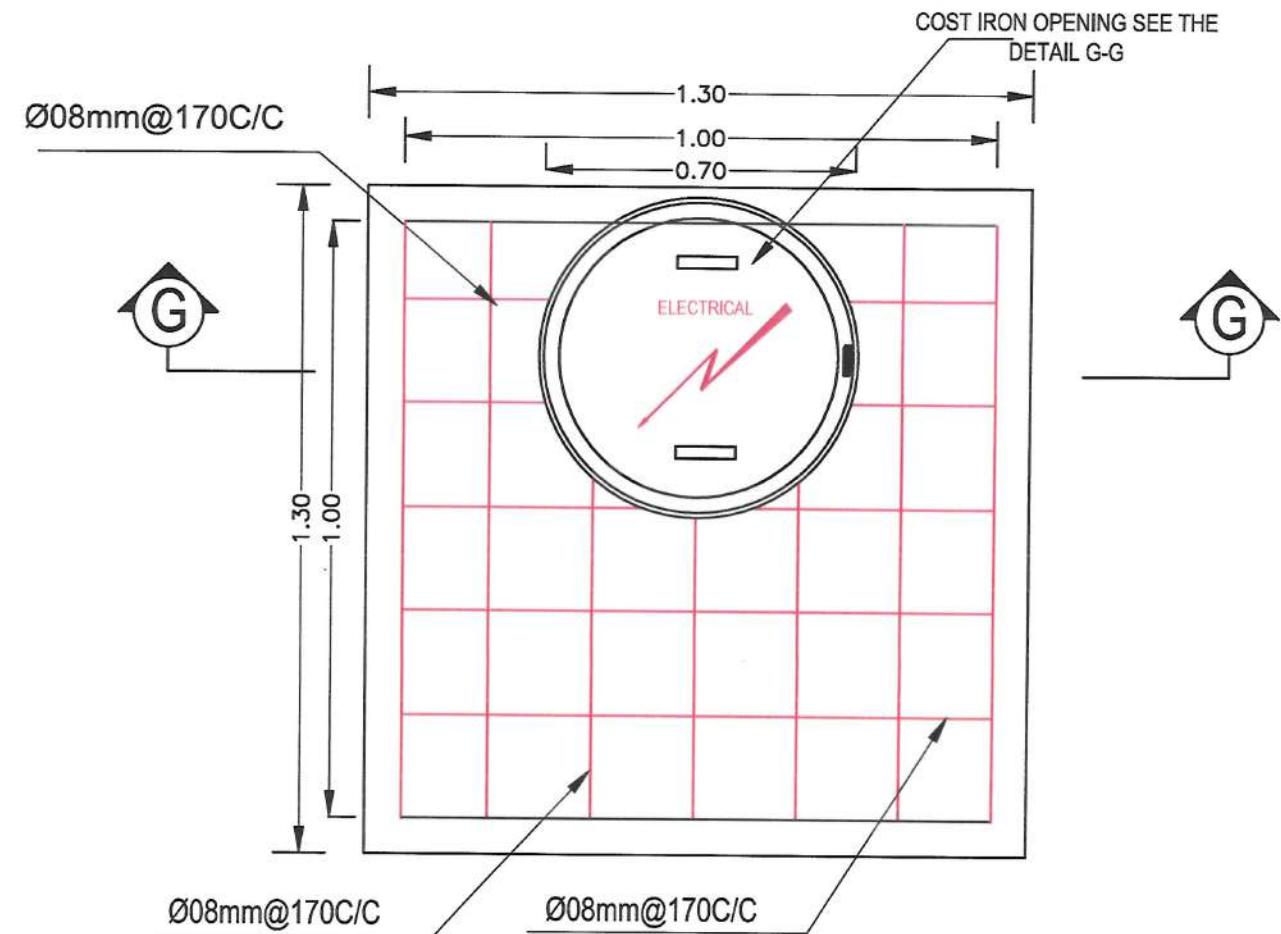
SHEET S-L-D-05 PAGE NO 01 REVISION 01



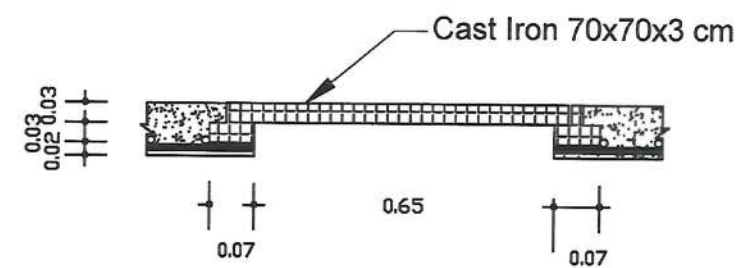
MANHOLE OPENING PLAN



Manhole opening Plan 70x70



STEEL BAR PLAN



Sec G-G

NOTE:



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehistan Road Project

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamalulla Nazari Signature:

Designed: Jamalulla Nazari Signature:

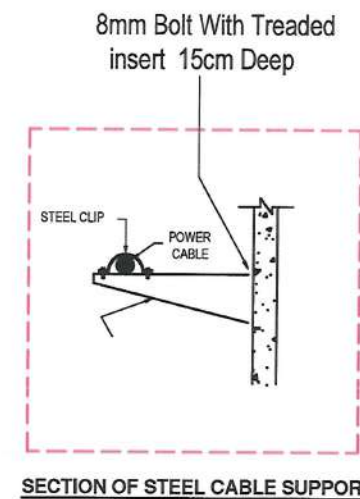
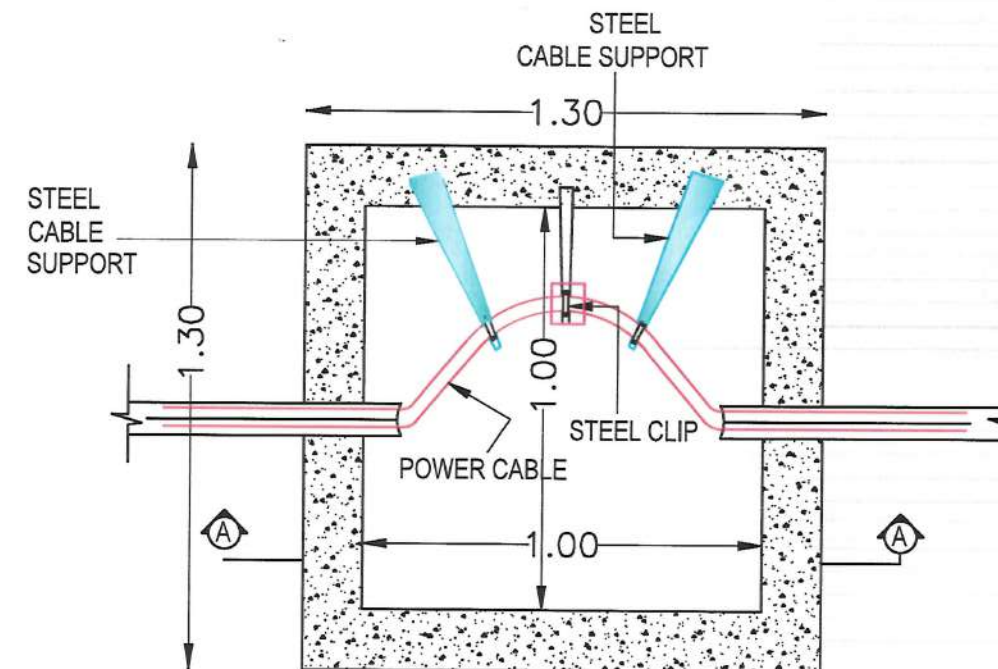
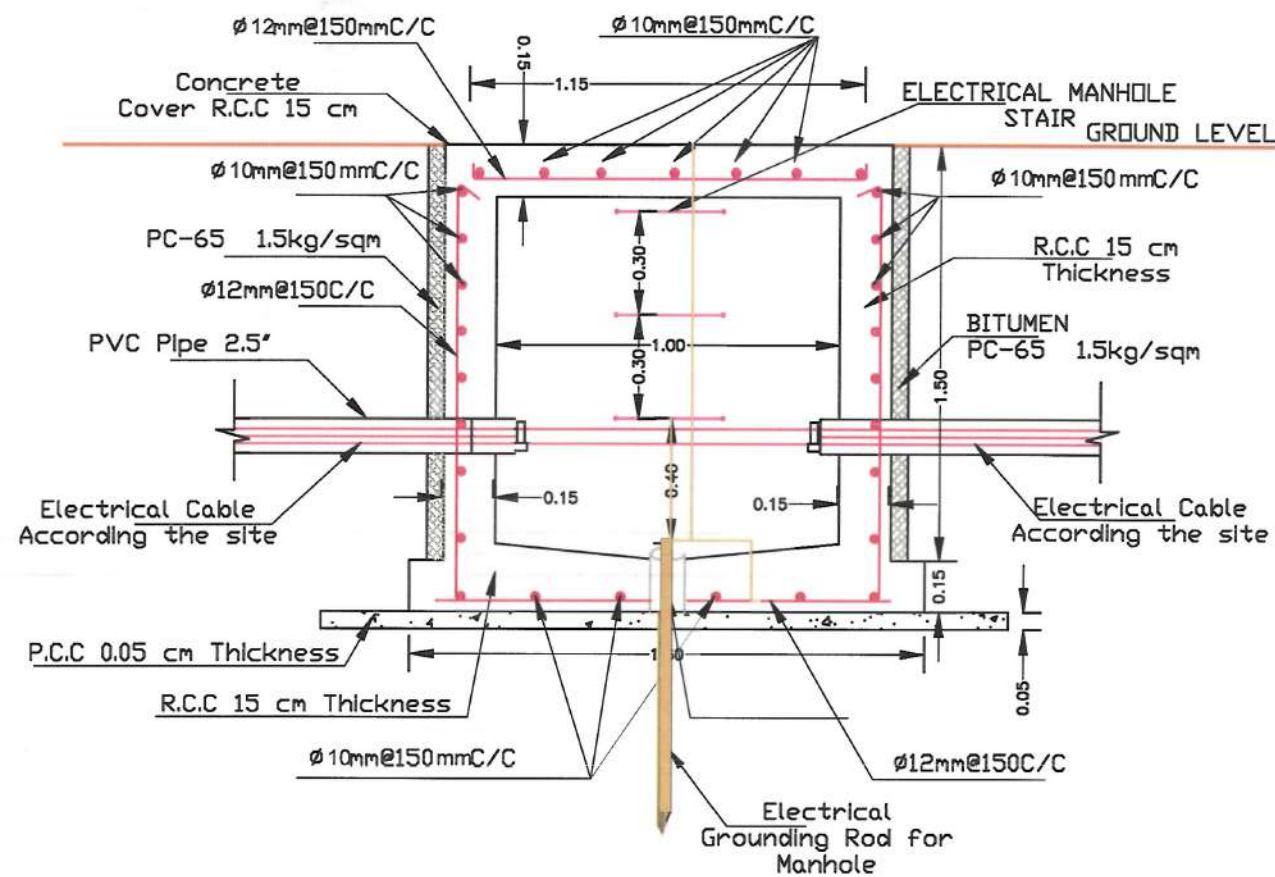
Checked by: Hasibullah Shalizi Signature:

Date: 6 January 2024

Status: FINAL
DESIGN

Project Code:

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



SECTION OF STEEL CABLE SUPPORT

NOTE:



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

Poi-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulha Nozari Signature:

Designed: Jamolulha Nozari Signature:

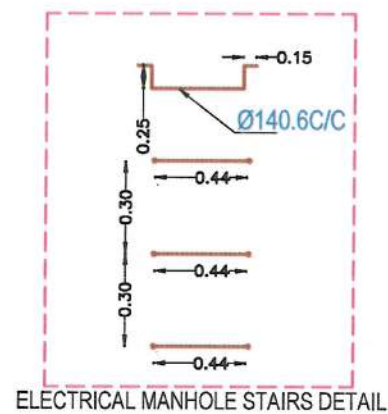
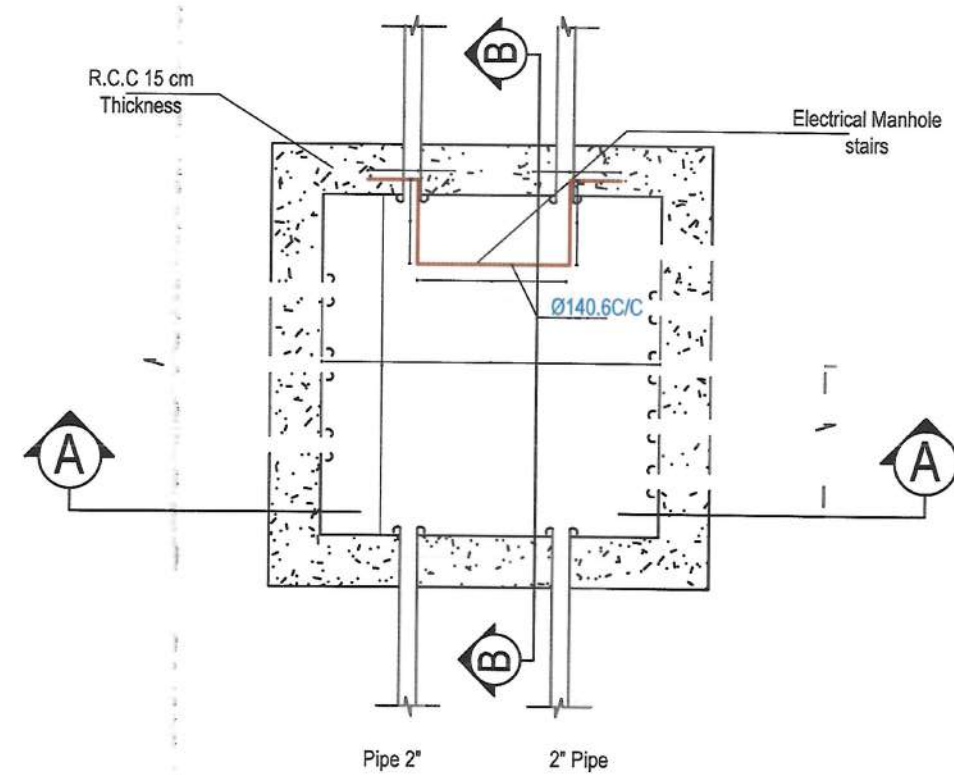
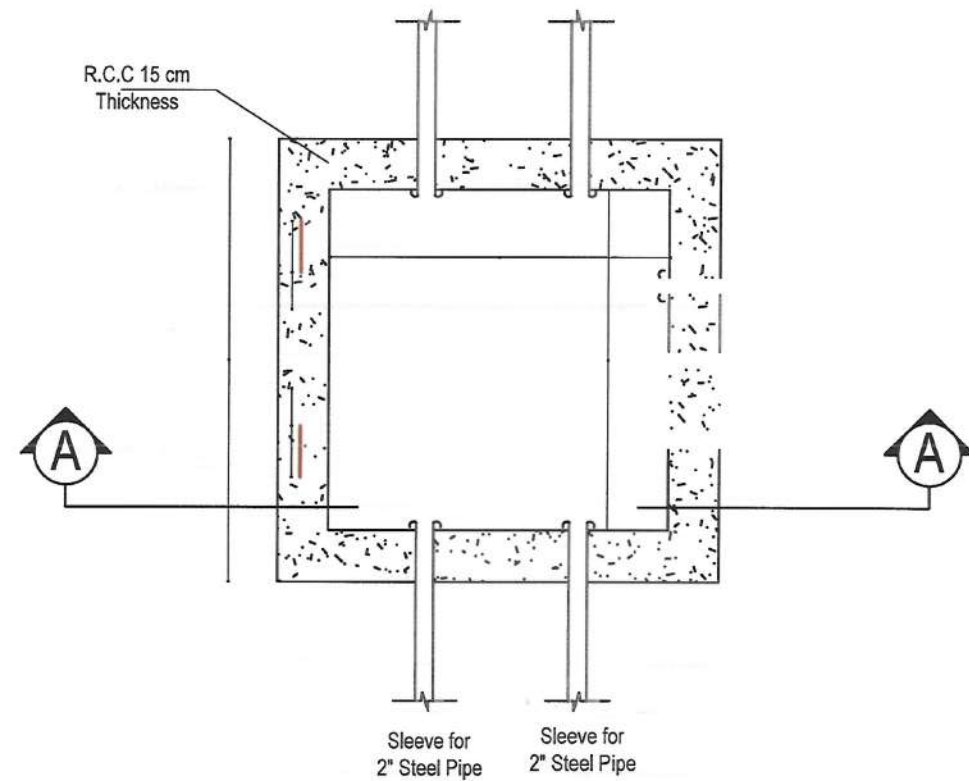
Checked by: Hasibullah Shalizi Signature:

Date: 6 January 2024

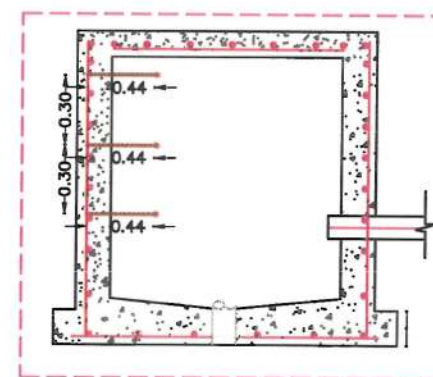
Status: FINAL DESIGN

Project Code

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



ELECTRICAL MANHOLE STAIRS DETAIL



MANHOLE-B-SECTION

NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulla Nazari

Signature:

Designed: Jamolulla Nazari

Signature:

Checked by: Hasibullah Shalizi

Signature:

Date: 6 January 2024

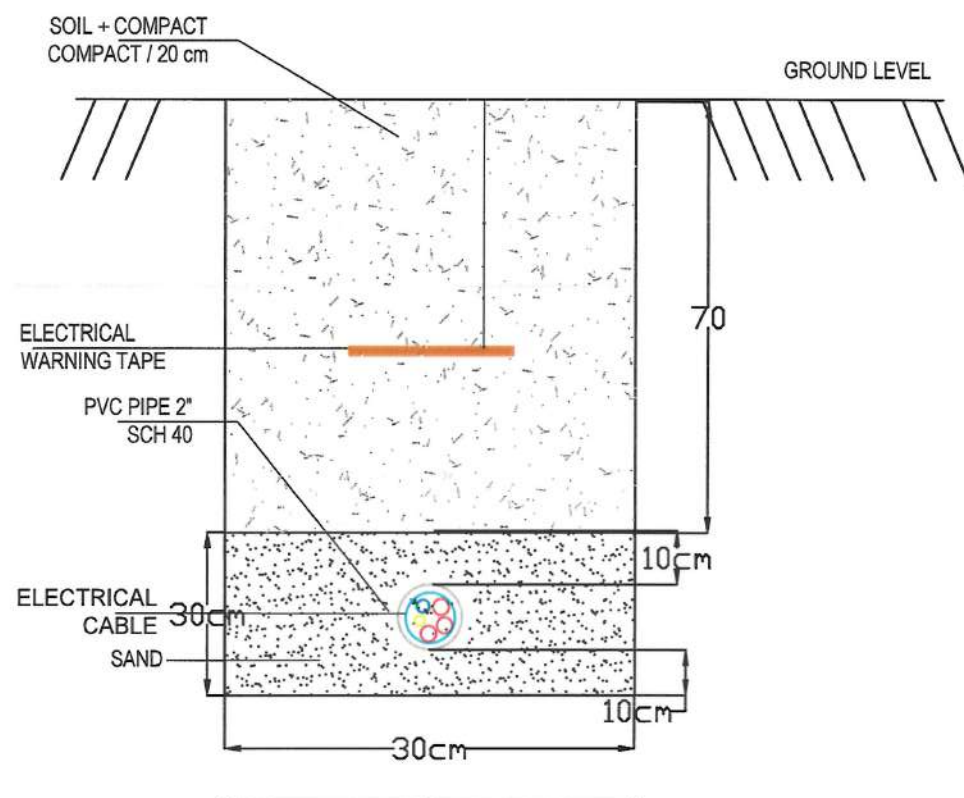
Status: FINAL
DESIGN

Project Code:

SHEET
E-M-H-03

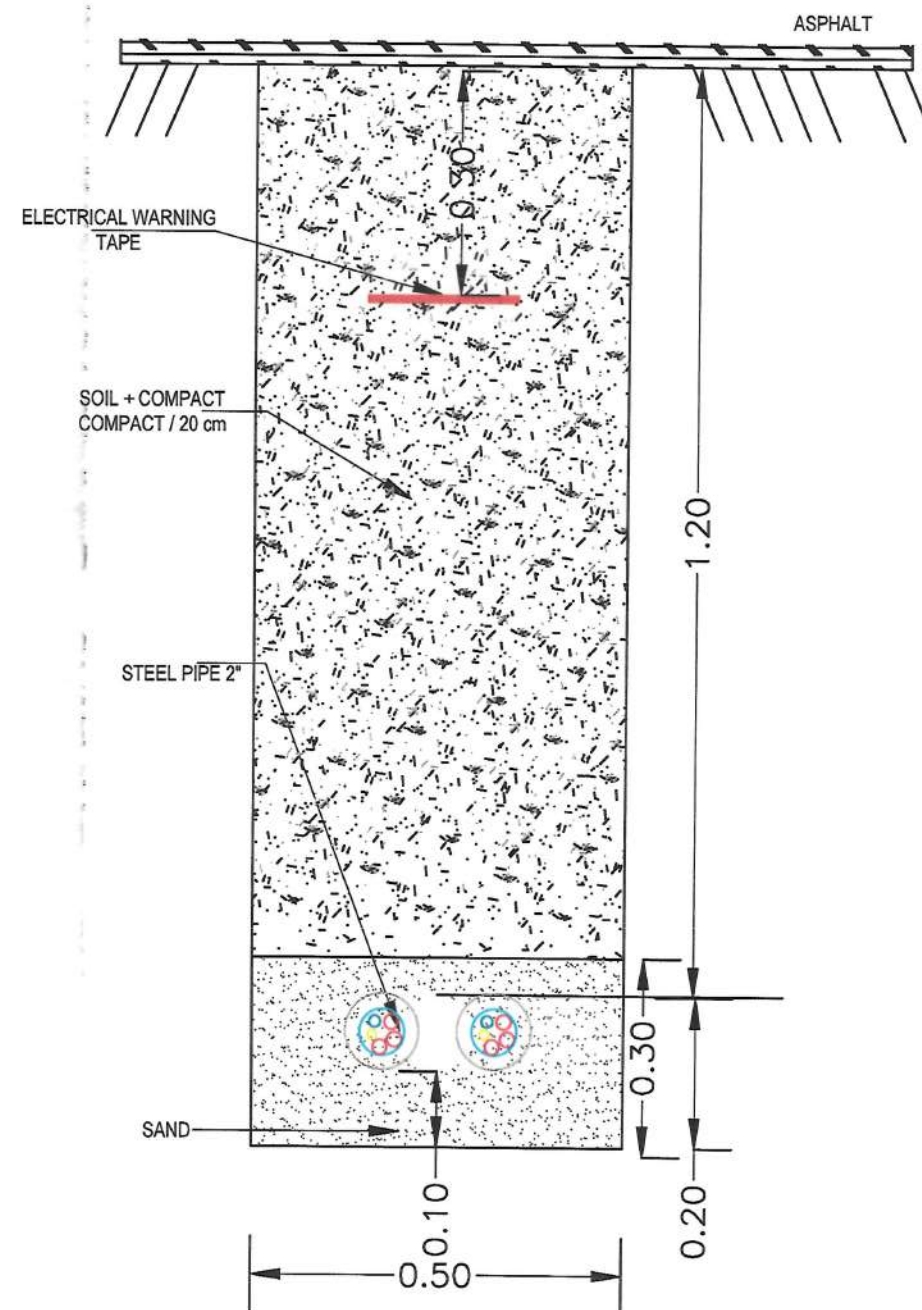
PAGE NO
01

REVISION
01



DETAIL-1

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



NOTE:



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

ELECTRICAL MANE HOLE

Drawn: Jamolulha Nazari Signature:

Designed: Jamolulha Nazari Signature:

Checked by: Hasibullah Shalizi Signature:

Signature:

Signature:

Date: 6 January 2024

Status: FINEL
DESIGN

Project Code

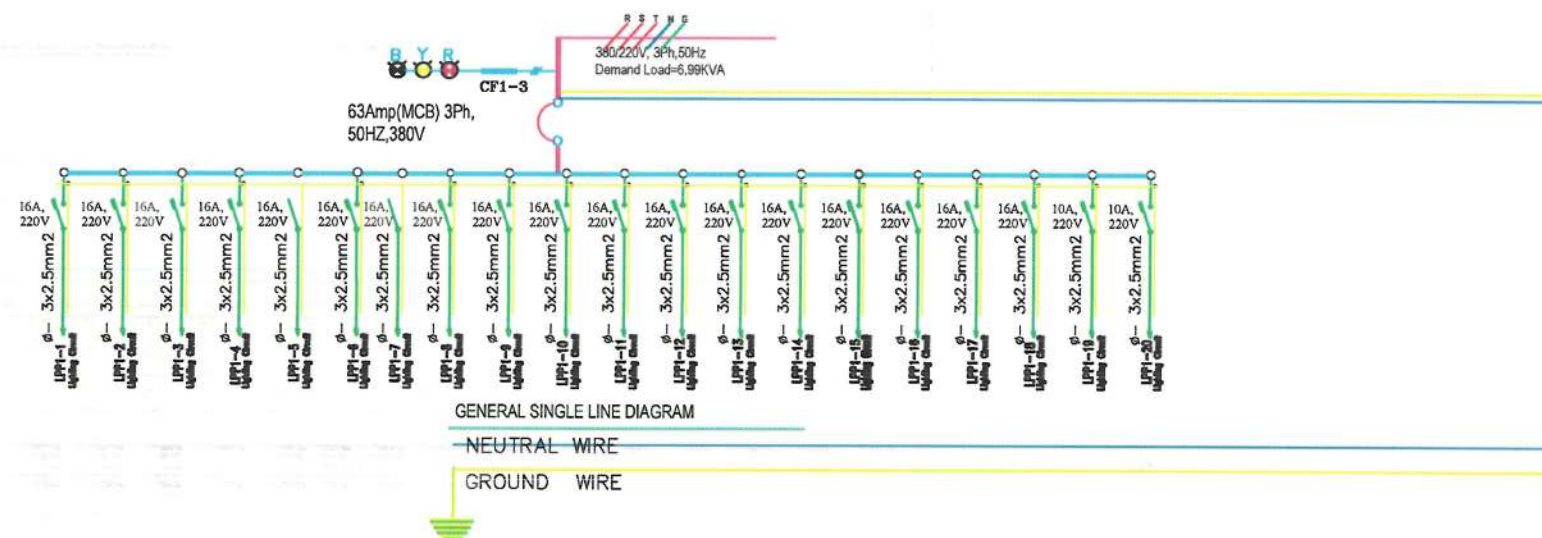
SHEET PAGE NO REVISION
E-M-H-04 01 01

380Y / 220 VOLTS, 3 PHASE , 5 WIRE 50Hz PANEL BOARD			LIGHTING POWER PANEL BOARD SCHEDULE OF FIRST SECTION												MOUNTING , SURFACE PANEL BOARD LOCATION :-					
			MAIN CIRCUIT BREAKER:- 3 Ph-63A																	
WIRE & CONDUIT mm2	GND WIRE	LOAD DESCRIPTION	DEMEANED (VA)			AMP	POLE	CKT	A	B	C	CKT	POLE	AMP	DEMEANED (VA)			LOAD DESCRIPTION	GND WIRE	WIRE & CONDUIT mm2
			A	B	C										C	B	A			
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	300			16								16	300			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		300		16								16		300		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			300	16								16			300	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	300			16								16	300			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		300		16								16		300		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			208	16								16			300	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING	208			16								16	300			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING		208		16								16		300		LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING			208	16								16			300	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING				16								16	150			LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING				16								16				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING				16								16			150	LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
2(1C X2.5 mm) Ø 20mm	2.5mm2	LIGHTING				16								16				LIGHTING	2.5mm2	2(1C X 2.5 mm) Ø 20mm
SPARE						16												SPARE	2.5mm2	2(1C X 2.5 mm) Ø 20mm
SUB - TOTAL			808	808	716										1050	900	1050	SUB - TOTAL		

Total Phase A	1858	8.45
Total Phase B	1708	7.76
Total Phase C	1766	8.03
Total Connected Load	5.332	VA
Power Factor=0.8	6.665	
Demand Factor Load =0.7	4.6655	VA
20 % Future Load	0.9331	VA
Total Load	6.9983	KVA
Total Ampere 3 PH	13.82	AMP

Single line circuit diagram (MDP2)

POWER CALCULATION SCHEDULE PLAN



NOTE:



Date	Revision Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pole-Hassan To Baghe-Chehliston Road Project

Drawing Title:

Street Lighting Wiring

Drawn: Jamshid Nazari

Signature:

Designed: Jamshid Nazari

Signature:

Checked by:

Signature:

Hasibullah Shalizi

Date: 6 January 2024

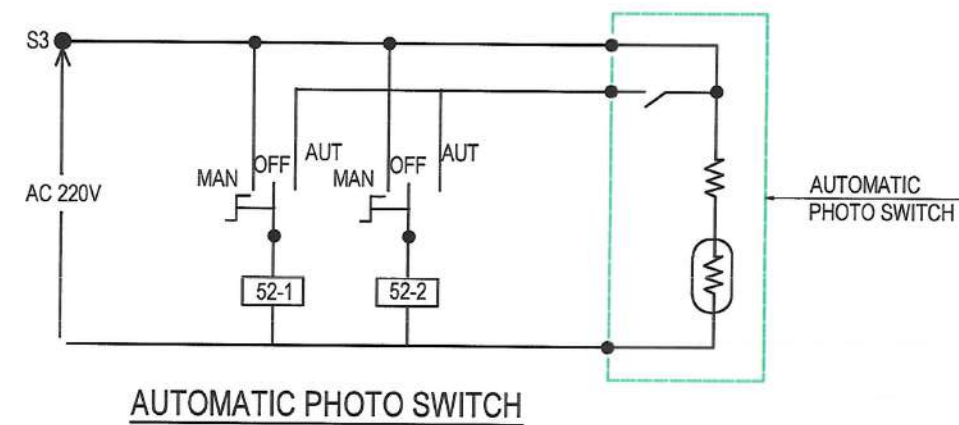
Status: FINEL
DESIGN

Project Code

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

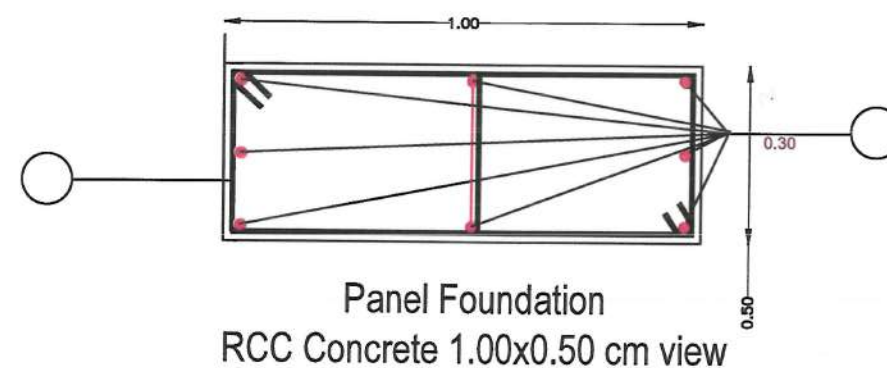
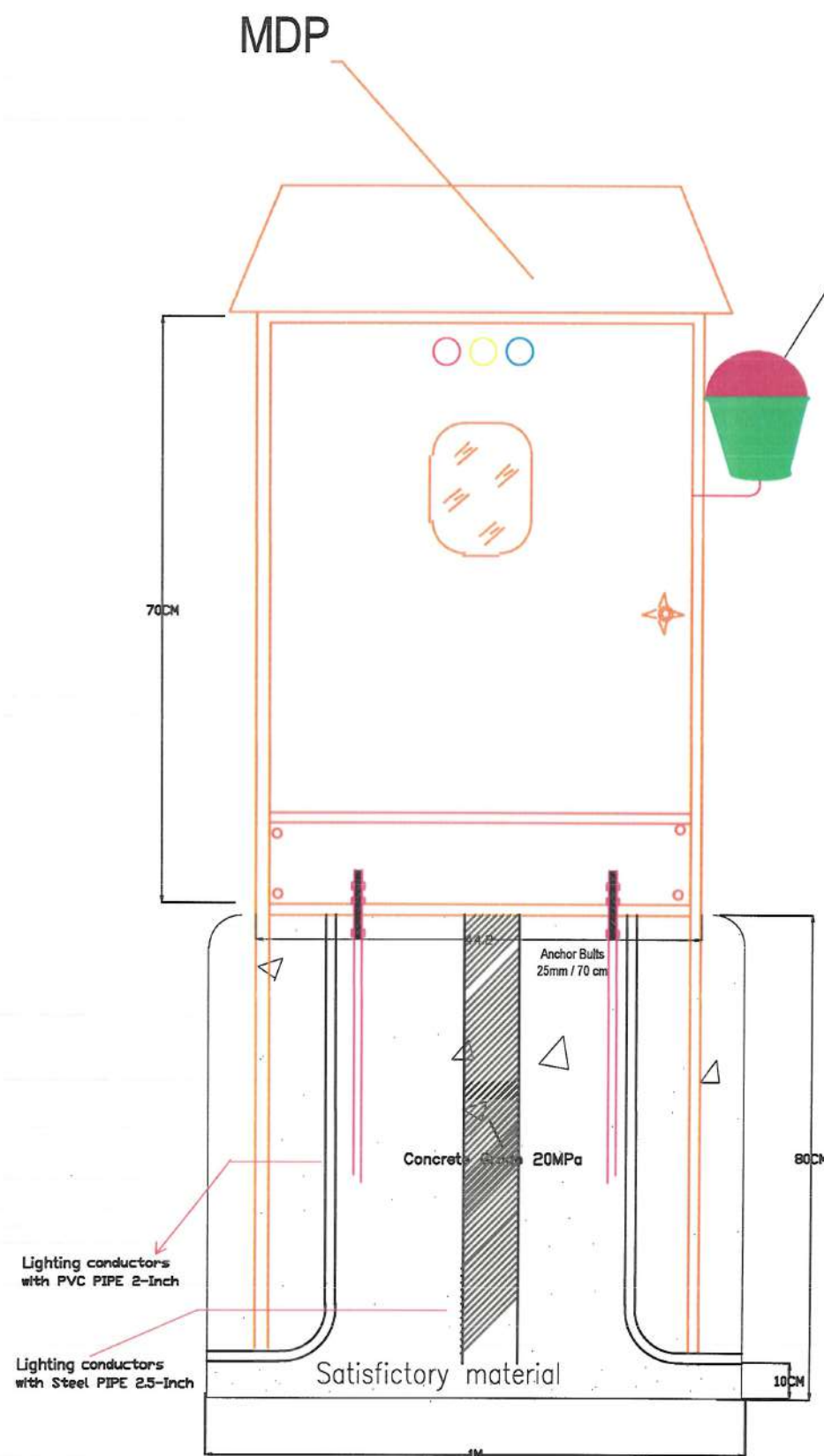
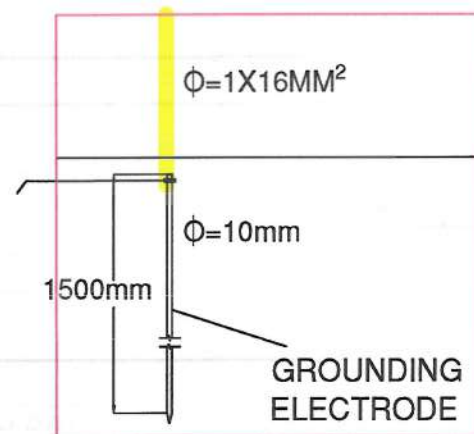
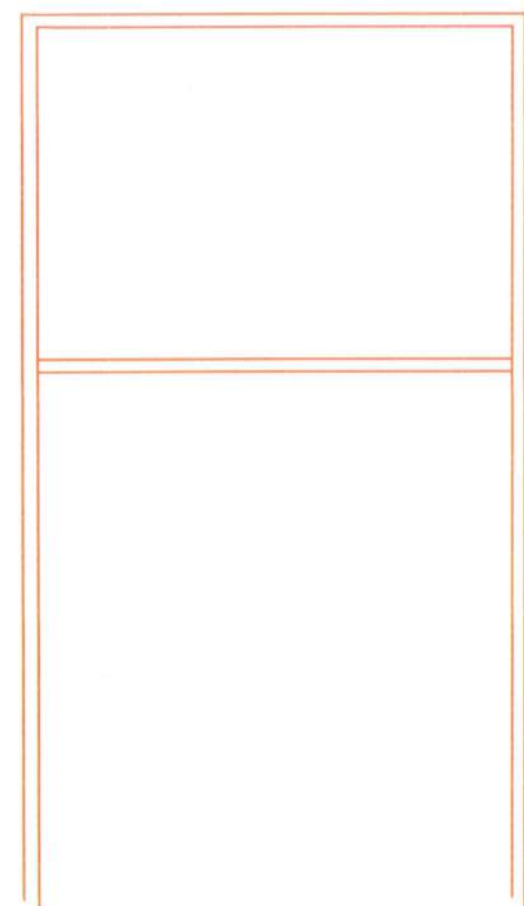


POWER CALCULATION SCHEDULE PLAN



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

Angle = (40 X 40 X3)MM



NOTE:



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Pol-e-Hassan To Bagh-e-Chehliston Road Project

Drawing Title:

Street Lighting Wiring

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by:

Signature:

Date: 6 January 2024

Status:

FINAL
DESIGN

Project Code:

SHEET
S-L-W-04

PAGE NO
01

REVISION
01

Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a Copper conductor will limit the voltage drop to 1.23% or less when supplying 3.3 amps for 1443.5 feet on a 380 volt system.

For Engineering Information Only:

8.1 Amps Rated ampacity of selected conductor in selected length.

1.9 Ohms Resistance (Ohms per 3280 feet)

11.4 volts maximum allowable voltage drop at 3%

4.69. Actual voltage drop loss at 1.23% for the circuit

0.9 Power Factor

Cable Calculation from Power Panel to Street
Light Poles

1 conductors per phase utilizing a Copper conductor will limit the voltage drop to 1.16% or less when supplying 2.25 amps for 1148.2 feet on a 380 volt system.

For Engineering Information Only:

5.9 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%

4.42. Actual voltage drop loss at 1.16% for the circuit

0.9 Power Factor



NOTE:



Date	Revision	Details	Drawn	Chkd	Appr

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

 KABL MUNICIPALITY
DESIGN TEAM

Project Name:

Poi-e-Hassan To Bagh-e-Chehlston Road Project

Drawing Title:

Street Lighting Wiring

Drawn: Jamalulha Nazari

Signature:

Designed: Jamalulha Nazari

Signature:

Checked by:
Husibullah Shalizi

Signature:

Date: 6 January 2024

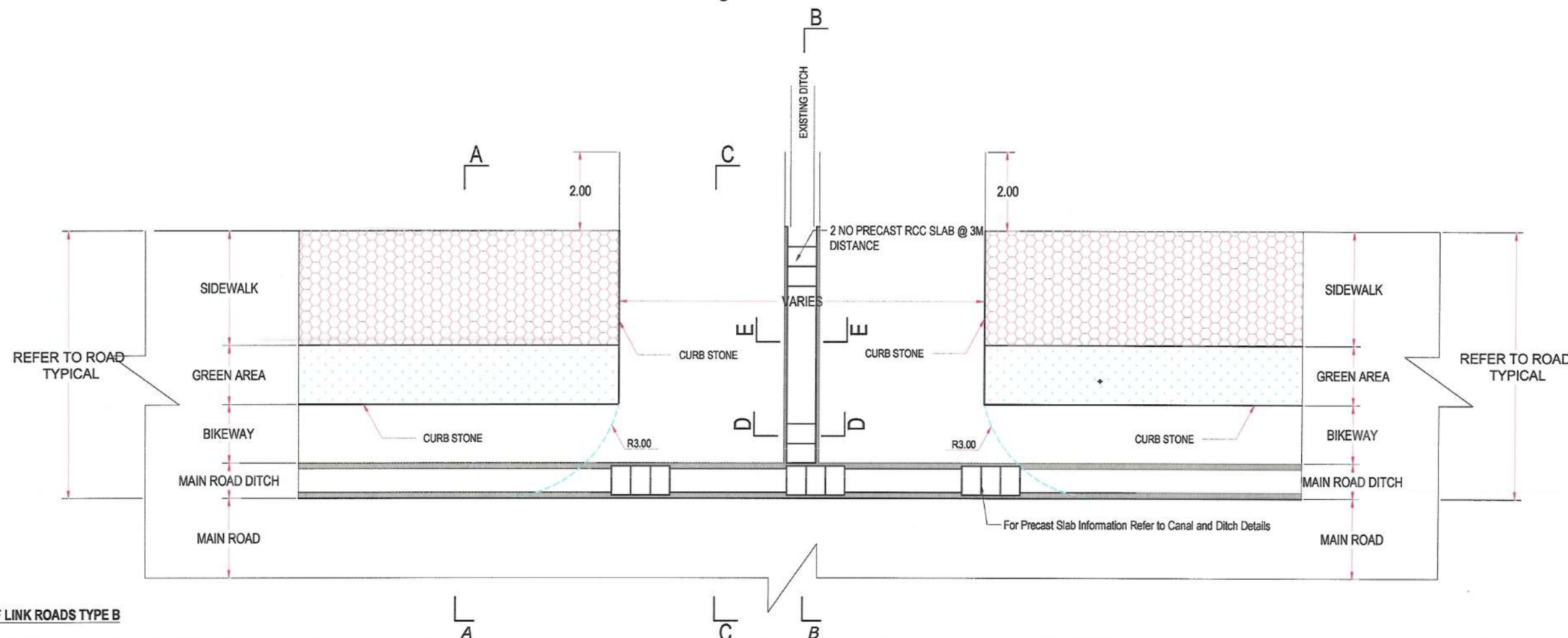
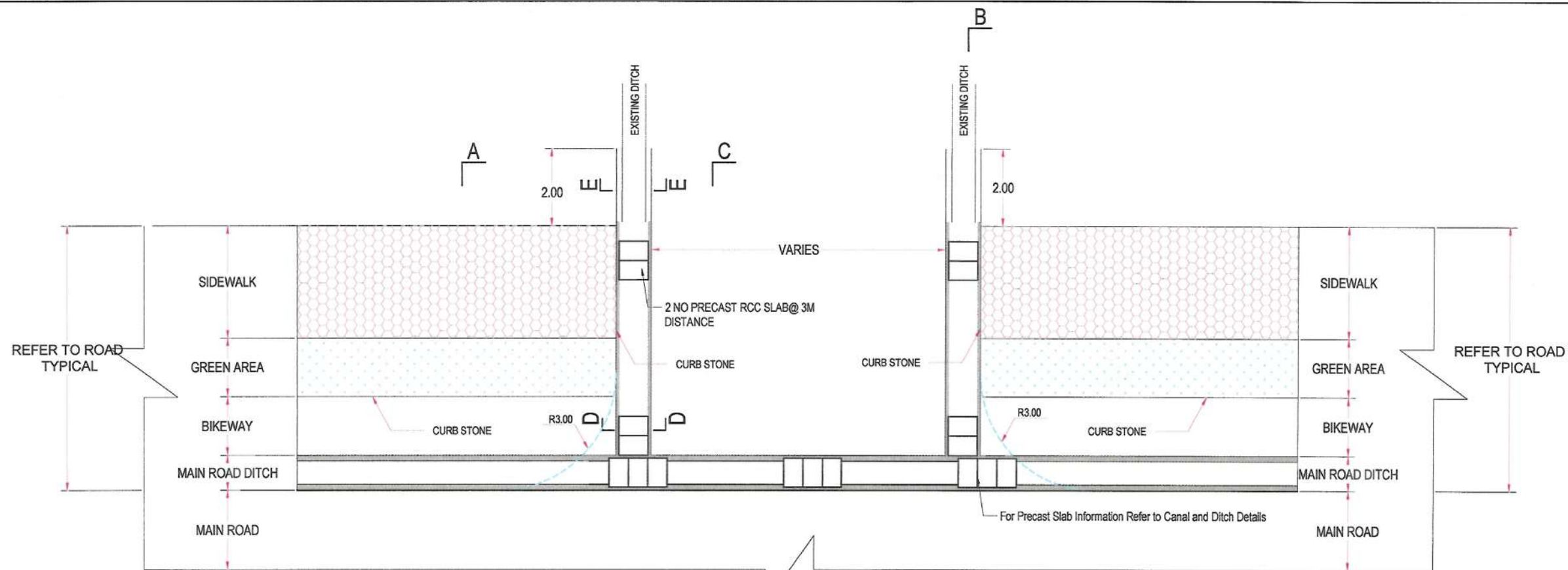
Status: FINEL
DESIGN

Project Code

SHEET
S-L-W

PAGE NO
01

REVISION
01



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

NOTES:
According to survey data, in the right side and left side respectively from total link roads, about 8 of them in the right side and 7 of them in the left side have slope toward the proposed main side drain (Refer to survey package) therefore, the link road drains shall be connected and adjusted properly with the following cases:
1-For those link roads that have existing drain/ditches, the proposed drain/ditches of link roads shall be followed the existing drain/ditches and be connected properly to the main side drain.
2-For those link roads that have not existing side drains the proposed drains of link roads shall be used and connected properly to the main side drains and for link roads that have less than 6m width one side drain shall be used and for link roads that have more than 6m width two side drains shall be used and adjusted properly as per site condition.



Rev.	Date	Revision Details	Drawn	Chkd.	Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
Pol-e- Hassan to Bagh-e- Chelstone Road Project

Drawing Title:
Link Road Types

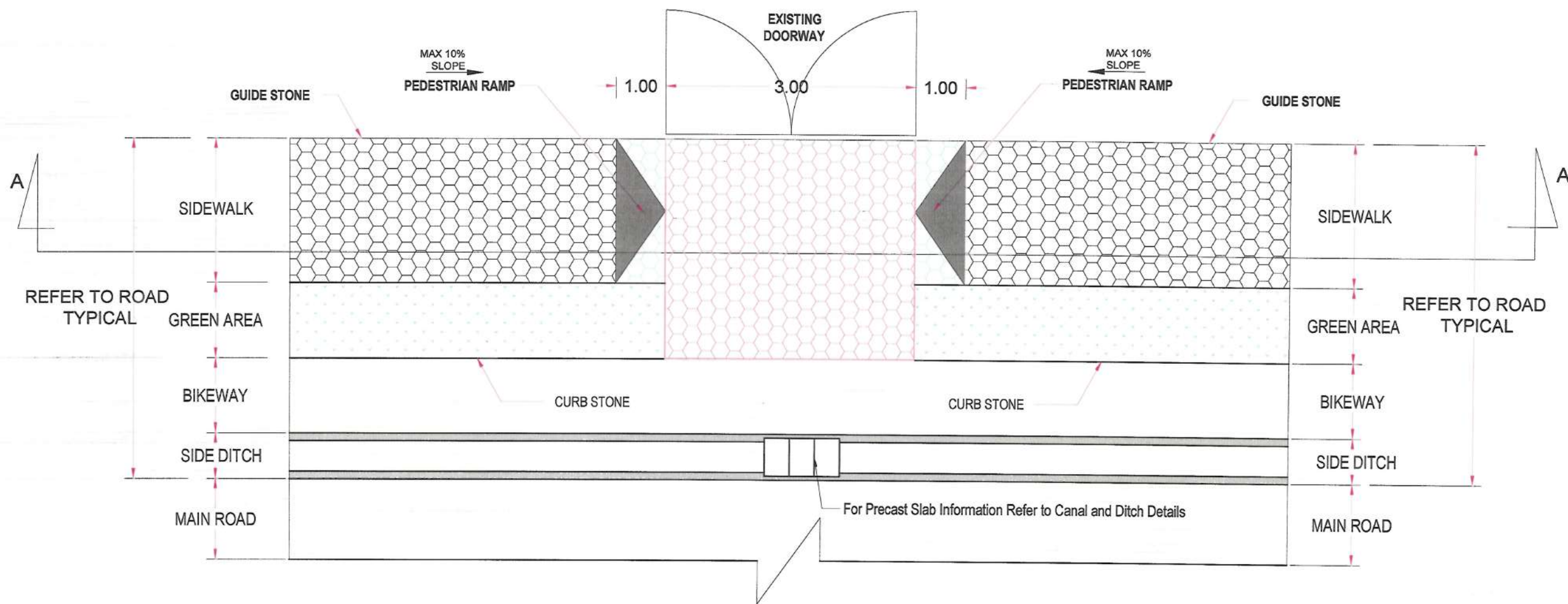
Drawn By: M.Reza Mirzaie	Signature:
Designed By: M.Ali Dawlatzade	Signature:
Drainage Designed By: M.Jafar	Signature:
Checked By: Hasibullah Shalizi	Signature:

Date: 01/11/2023 Scale: NTS

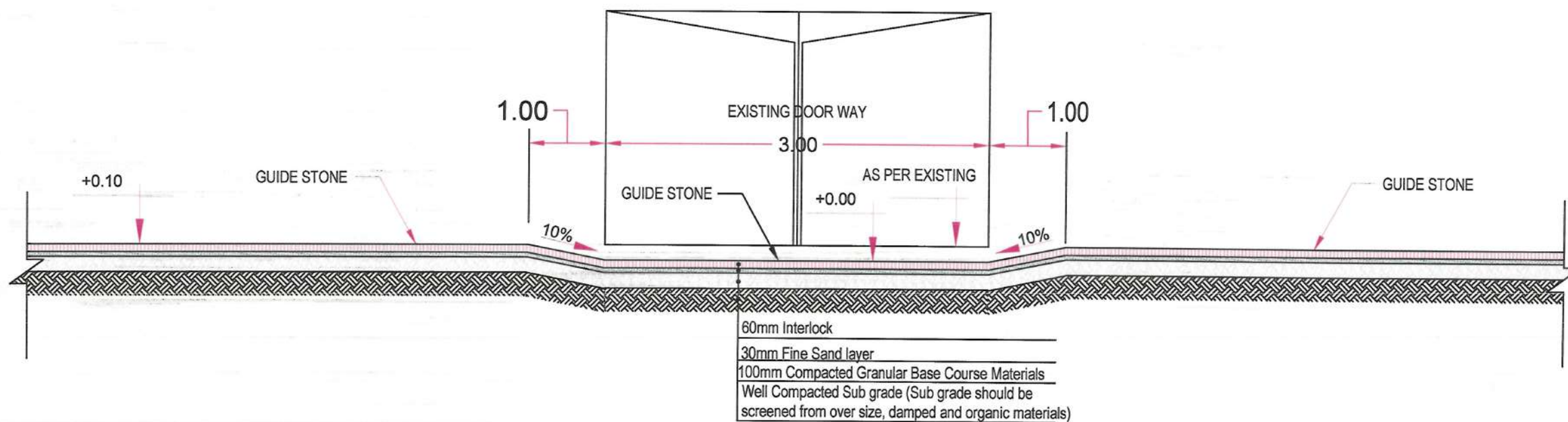
Status: FINAL DESIGN

Project Code

SHEET NO.	Revision
Link Road Types	01



DOOR ENTRANCES PLAN AND DETAIL



SECTION A-A FOR DOOR ENTRANCES

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:

Poi-e Hassan to Bagh-e Chelstone Road Project

Drawing Title:

Entrance Detail

Drawn By: M.Reza Mirzaie	Signature:
Designed By: M.Ali Dawlatzade	Signature:
Drainage Designed By: M. Jafar	Signature:
Checked By: Hasibullah Shalizi	Signature:

Date: 01/11/2023 Scale: NTS

Status: FINAL DESIGN

Project Code

SHEET NO. Entrance Detail-01 Revision 01

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+003.00	0.00	0.00	0.00	0.00	0.00	0.00
0+010.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.00	0.00	0.00	0.00	0.00	0.00	0.00
0+030.00	0.00	0.00	0.00	0.00	0.00	0.00
0+039.75	0.00	0.00	0.00	0.00	0.00	0.00
0+040.00	0.00	0.00	0.00	0.00	0.00	0.00
0+050.00	0.00	0.00	0.00	0.00	0.00	0.00
0+060.00	0.00	0.00	0.00	0.00	0.00	0.00
0+070.00	0.00	0.00	0.00	0.00	0.00	0.00
0+079.51	0.00	0.00	0.00	0.00	0.00	0.00
0+080.00	0.00	0.00	0.00	0.00	0.00	0.00
0+100.00	0.00	0.00	0.00	0.00	0.00	0.00
0+120.00	0.00	0.00	0.00	0.00	0.00	0.00
0+140.00	0.00	0.00	0.00	0.00	0.00	0.00
0+160.00	0.00	0.00	0.00	0.00	0.00	0.00
0+180.00	0.00	0.00	0.00	0.00	0.00	0.00
0+200.00	0.00	0.00	0.00	0.00	0.00	0.00
0+220.00	0.00	0.00	0.00	0.00	0.00	0.00
0+240.00	0.00	0.00	0.00	0.00	0.00	0.00
0+260.00	0.00	0.00	0.00	0.00	0.00	0.00

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+280.00	0.00	0.00	0.00	0.00	0.00	0.00
0+300.00	0.00	0.00	0.00	0.00	0.00	0.00
0+320.00	0.00	0.00	0.00	0.00	0.00	0.00
0+340.00	0.00	0.00	0.00	0.00	0.00	0.00
0+360.00	0.00	0.00	0.00	0.00	0.00	0.00
0+380.00	0.00	0.00	0.00	0.00	0.00	0.00
0+400.00	0.00	0.00	0.00	0.00	0.00	0.00
0+420.00	0.00	0.00	0.00	0.00	0.00	0.00
0+440.00	0.00	0.00	0.00	0.00	0.00	0.00
0+460.00	0.00	0.00	0.00	0.00	0.00	0.00
0+480.00	0.00	0.00	0.00	0.00	0.00	0.00
0+500.00	0.00	0.00	0.00	0.00	0.00	0.00
0+520.00	0.00	0.00	0.00	0.00	0.00	0.00
0+540.00	0.00	0.00	0.00	0.00	0.00	0.00
0+560.00	0.00	0.00	0.00	0.00	0.00	0.00
0+580.00	0.00	0.00	0.00	0.00	0.00	0.00
0+600.00	0.00	0.00	0.00	0.00	0.00	0.00
0+620.00	0.00	0.00	0.00	0.00	0.00	0.00
0+640.00	0.00	0.00	0.00	0.00	0.00	0.00
0+660.00	0.00	0.00	0.00	0.00	0.00	0.00

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+680.00	0.00	0.00	0.00	0.00	0.00	0.00
0+700.00	0.00	0.00	0.00	0.00	0.00	0.00
0+720.00	0.00	0.00	0.00	0.00	0.00	0.00
0+740.00	0.00	0.00	0.00	0.00	0.00	0.00
0+760.00	0.00	0.00	0.00	0.00	0.00	0.00
0+780.00	0.00	0.00	0.00	0.00	0.00	0.00
0+800.00	0.00	0.00	0.00	0.00	0.00	0.00
0+820.00	0.00	0.00	0.00	0.00	0.00	0.00
0+840.00	6.83	17.45	8.25	174.51	8.25	174.51
0+860.00	0.11	20.42	7.38	378.75	13.63	553.28
0+867.21	0.40	20.70	1.88	148.17	15.48	701.43
0+870.00	0.17	20.66	0.81	57.79	16.29	759.33
0+874.98	0.08	22.11	0.82	105.97	16.91	865.20
0+880.00	0.07	22.33	0.38	112.10	17.29	877.29
0+882.71	0.07	22.18	0.20	80.21	17.48	1037.50
0+900.00	0.15	17.31	1.87	341.48	19.35	1378.98
0+920.00	0.04	15.45	1.88	327.88	21.21	1706.86
0+940.00	0.16	13.72	2.02	291.73	23.22	1998.39
0+960.00	1.00	8.96	11.80	226.78	34.82	2225.17
0+980.00	0.70	8.81	16.83	177.68	51.78	2402.83

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+000.00	1.16	10.86	18.52	197.84	70.28	2800.47
1+020.00	2.85	8.54	41.03	174.84	111.31	2775.41
1+040.00	1.80	8.47	47.41	150.05	158.72	2925.48
1+060.00	0.91	9.07	37.09	175.38	195.81	3100.84
1+080.00	1.47	7.15	23.85	162.16	209.66	3263.00
1+100.00	1.25	7.46	27.19	146.03	236.85	3409.03
1+120.00	0.44	10.72	18.90	181.78	255.75	3590.81
1+140.00	0.55	10.46	8.97	211.83	263.72	3802.84
1+160.00	0.24	13.44	7.94	238.01	271.66	4041.85
1+180.00	0.17	15.70	4.07	291.38	275.74	4333.03
1+200.00	0.08	16.82	2.19	325.20	277.92	4658.33
1+220.00	0.15	14.28	1.95	310.97	279.89	4969.30
1+240.00	1.77	10.00	16.11	242.78	296.00	5211.96
1+260.00	0.03	16.10	17.96	280.99	313.96	5472.95
1+280.00	0.02	18.91	0.48	330.12	317.45	5803.08
1+300.00	0.03	15.90	0.44	328.14	317.88	6131.20
1+320.00	0.45	16.30	4.60	312.50	322.89	6443.71
1+340.00	0.16	11.80	6.13	271.47	328.81	6715.18

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+003.00	0.45	18.70	0.00	0.00	0.00	0.00
0+010.00	0.03	18.78	1.59	131.20	1.59	131.20
0+020.00	0.00	30.89	0.14	188.26	1.73	329.46
0+030.00	0.12	24.02	0.58	225.92	2.31	555.38
0+039.75	0.33	21.42	2.13	223.18	4.44	778.54
0+040.00	0.33	21.33	0.08	5.27	4.52	783.81
0+050.00	0.69	18.34	5.03	188.27	9.55	982.08
0+060.00	1.48	17.34	11.18	177.20	20.73	1159.28
0+070.00	0.95	19.95	12.57	184.29	33.30	1343.57
0+079.51	0.54	22.25	7.10	188.90	40.39	1542.47
0+080.00	0.53	22.44	0.26	11.03	40.66	1553.49
0+100.00	0.28	18.46	8.05	408.99	48.71	1962.49
0+120.00	0.18	19.23	4.52	378.90	53.23	2338.39
0+140.00	0.23	20.07	4.12	393.02	57.35	2732.41
0+160.00	0.71	24.47	9.48	445.48	66.83	3177.87
0+180.00	0.74	23.43	14.54	479.03	81.37	3656.90
0+200.00	0.72	22.53	14.85	459.82	96.01	4116.52
0+220.00	1.54	18.73	22.64	412.59	118.66	4529.11
0+240.00	1.54	17.57	30.81	382.96	148.47	4892.07
0+260.00	0.74	17.75	22.81	353.18	172.28	5245.25

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+280.00	0.48	12.73	12.35	304.80	184.83	5590.05
0+300.00	0.25	15.92	7.40	286.54	192.03	5836.59
0+320.00	1.13	11.85	13.72	277.78	205.75	6114.35
0+340.00	2.63	8.75	37.80	206.02	243.35	6320.37
0+360.00	9.21	8.27	118.44	150.20	361.79	6470.56
0+380.00	1.90	7.87	111.12	141.43	472.91	6611.99
0+400.00	1.43	9.87	33.34	177.44	506.28	6789.43
0+420.00	1.53	10.15	28.58	200.21	535.84	6989.64
0+440.00	1.87	9.11	31.97	192.59	567.81	7182.23
0+460.00	1.38	9.92	30.51	180.25	598.32	7372.48
0+480.00	0.83	10.50	22.12	204.13	620.44	7576.61
0+500.00	0.90	14.47	17.30	246.69	637.74	7826.30
0+520.00	0.94	15.03	18.39	294.96	656.13	8121.28
0+540.00	0.98	14.25	19.18	292.73	675.29	8414.01
0+560.00	0.45	20.68	14.21	348.28	689.50	8763.28
0+580.00	0.24	21.65	6.86	423.27	696.37	9186.53
0+600.00	0.00	27.32	2.41	489.88	698.77	9676.21
0+620.00	0.71	26.59	7.12	539.06	705.89	10215.26
0+640.00	0.50	28.58	12.10	551.82	717.99	10766.87
0+660.00	0.00	24.84	5.00	534.18	722.99	11301.07

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+680.00	0.81	20.20	6.14	450.41	728.13	11751.47
0+700.00	1.02	23.16	16.31	433.56	744.44	12185.04
0+720.00	0.86	23.77	16.84	469.25	764.28	12654.29
0+740.00	2.82	21.40	36.89	401.88	801.17	13105.95
0+760.00	0.42	23.35	32.48	447.51	833.65	13583.48
0+780.00	1.28	17.97	17.14	413.25	850.79	13996.71
0+800.00	2.56	15.10	38.56	330.78	889.34	14297.47
0+820.00	0.00	0.00	25.65	151.03	914.99	14448.50
0+840.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+860.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+882.71	0.00	0.00	0.00	0.00	914.99	14448.50
0+900.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+920.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+940.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+960.00	0.00	0.00	0.00	0.00	914.99	14448.50
0+980.00	0.00	0.00	0.00	0.00	914.99	14448.50

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+000.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+020.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+040.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+060.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+080.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+100.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+120.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+140.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+160.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+180.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+200.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+220.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+240.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+260.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+280.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+300.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+320.00	0.00	0.00	0.00	0.00	914.99	14448.50
1+340.00	0.00	0.00	0.00	0.00	914.99	14448.50

