



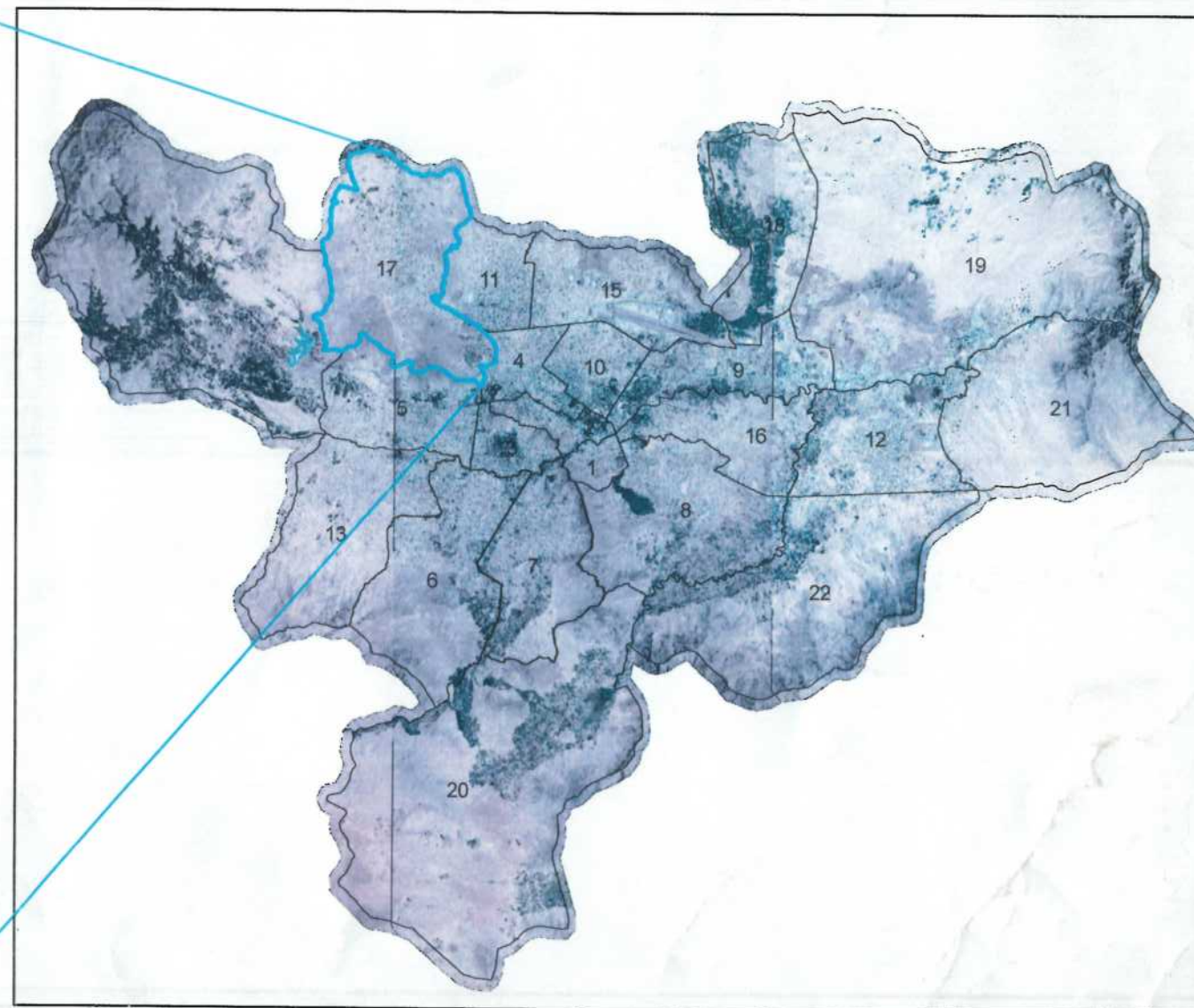
KABUL MUNICIPALITY
URBAN INFRASTRUCTURE DIRECTORATE
DESIGN DEPARTMENT



امور ساختمان لات دوم سرک کوتل خیرخانه مینه

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Location: 17th District

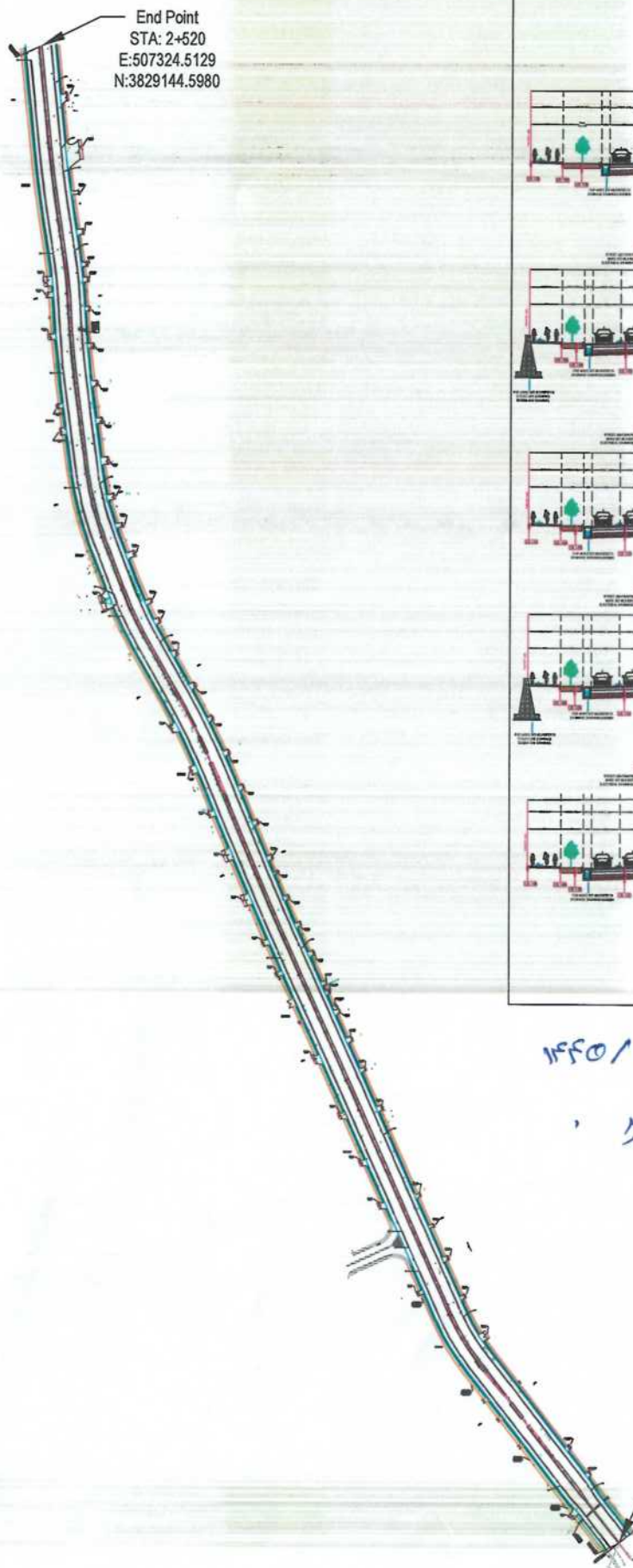


| DESIGN PACKAGE CONTENT | | | | |
|------------------------|---|--|-----------------|--|
| Project | CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | |
| NO | PAGE | DRWING TITAL | INCLUDING | |
| 1 | COVER PAGE | COVER PAGE | 1 SHEET | |
| 2 | DESIGN PACKAGE CONTENT | DESIGN PACKAGE CONTENT | 1 SHEET | |
| 3 | SIGN SHEET | SIGN SHEET | 1 SHEET | |
| 4 | TOPOGRAPHIC-SURVEY | TOPOGRAPHIC-SURVEY | 9 SHEETS | |
| 5 | T-S-&-P(01 - 015) | TYPICAL SECTION & PLAN | 15 SHEETS | |
| 6 | D-D-01 | DETAILS DRAWING | 1 SHEET | |
| 7 | R&L-S-L-R-P-D | RIGHT AND LEFT SIDE LINK ROADS PLAN AND DETAILS | 1 SHEET | |
| 8 | J-D-(01 -03) | JOINTS DETAIL | 3 SHEET | |
| 9 | D-E-D-01 | DOOR ENTRANCE DETAILS | 1 SHEET | |
| 10 | P-C-A-W-D-01 | PEDESTRAIN CROSSING ACCESSWAY DETAILS | 1 SHEET | |
| 11 | CL-S-O-R-01 | ALIGNMENT STAKE OUT REPORT | 1 SHEET | |
| 12 | PP(01-09) | FINAL PLAN& PROFILE | 9 SHEET | |
| 13 | CS-(01 - 45) | CROSS SECTIONS | 45 SHEET | |
| 14 | VL-R-01 | VOLUME REPORT | 1 SHEET | |
| 15 | COVER PAGE | TRAFFIC SIGN& ROAD MARKIN PLAN | 1 SHEET | |
| 16 | T-S-&R-M-D(01-02) | TRAFFIC SIGN& ROAD MARKIN DETAILS | 2 SHEETS | |
| 17 | T-S&R-M-P(01_05) | TRAFFIC SIGN& ROAD MARKIN PLAN | 5 SHEETS | |
| 18 | COVER PAGE | DRAIANGE,STRUCTURE DRAWINGS AND DESIGN | 1 SHEETS | |
| 19 | DR-PP-(01 - 09) | DRAIANGE PLAN AND PROFILE | 9 SHEET | |
| 20 | R-S-D-T,A,B,C,(01- 03) | RIGHT SIDE DRAIN TYPE (A,B,C) | 3 SHEETS | |
| 21 | L-S-D-T,D(04) | LEFT SIDSE DRAIN TYPE D | 1 SHEETS | |
| 22 | CU-01 | CULVERT#01 PLAND,SECTION DETAILS | 1 SHEETS | |
| 23 | CU-01 | CULVERT #01 SECTIN AND REINFORCEMENT DETAILS | 1 SHEETS | |
| 24 | CU-02 | CULVET #2 PLAN,SECTIONS AND REINFORCEMENT DETAILS | 1 SHEETS | |
| 25 | L-D-P(01- 03) | LINKING DITCHES PLAN AND SCHEDULE | 3 SHEETS | |
| 26 | L-R-D-T-a,b,c,d(1-4) | LINKING ROAD-DRAIN TYPE,a,b,c,d Details | 4 SHEETS | |
| 27 | CBD-T-a,b,c,d | LINKING ROAD-CATCH BASIN TYPE,a,b,c,d Details | 4 SHEET | |
| 28 | S-M-R-W-01 | STONE MASONARY RETAINING WALL DETALIS | 1 SHEET | |
| 29 | S-M-D-01 | STONE MASONARY DITCH AND GREEN AREA OPENINGDETALIS | 1 SHEET | |
| 30 | COVER PAGE | STREET LIGHT ING SECTION | 1 SHEET | |
| 31 | EL-PP(01-04) | ELECTRICAL PLAN | 4 SHEET | |
| 32 | S-L-D(05-14) | STREET LIGHT ING DETAILS | 10 SHEET | |
| | | | TOTAL=143 SHEET | |





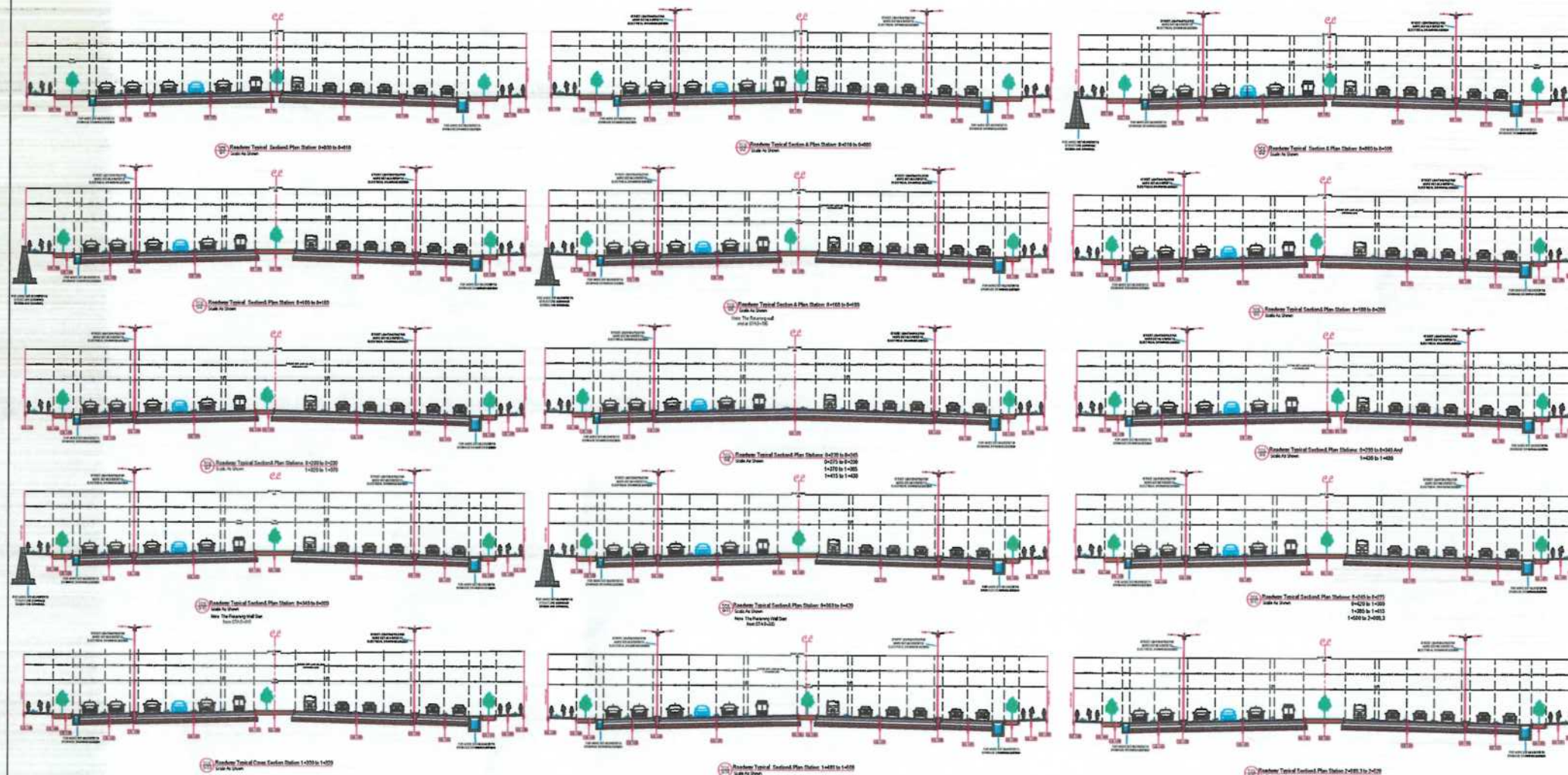
DESIGN LAYOUT



End Point
STA: 2+520
E: 507324.5129
N: 3829144.5980

Start Point
STA: 0+000
E: 508234.3803
N: 3826839.8117

PROPOSED TYPICAL CROSS SECTIONS ALONG THE ROUTE.



تحت شماره ۱۳۷۴ معین ۱۴۴۵/۲/۲۰
مهندس ارشد عمران

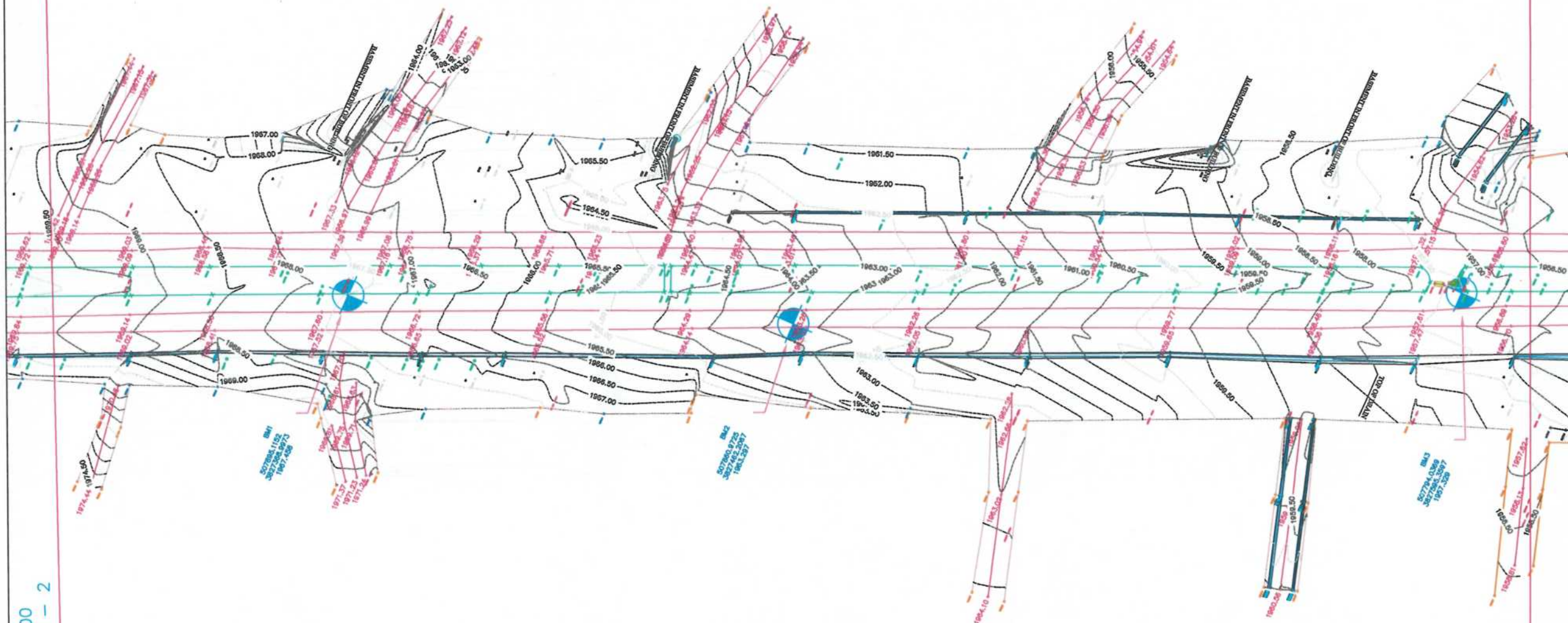
Right of Way: (60m)
Length: (2520m)
Pavement Type: Flexible Pavements

Cross Section Elements: Flexible Pavement,
Median, Green Area, Sidewalk RCC Side Ditch,
Stone Masonry Ditch, Stone Masonry Retaining wall,
Curb Stone And Guide Stone.

امور ساختمان لات دوم سرک کوتل خیر خاتمه مینه

| | | |
|---|-------|--|
| اسناد تخنیکي این پروژه بعد از امضا سروی کننده ها، ترسیم کننده ها، دیزاین کننده ها، بررسی کننده ها، تایید کننده و منظوری مقام محترم شاروالی کابل در این صفحه و همچنین امضا سروی کننده ها، ترسیم کننده ها، دیزاین کننده ها، بررسی کننده ها و مهر این ریاست در صفحات بعدی این پروژه قابل طی مراحل بوده و تطبیق میگردد. | امضا: | سروی کننده های پروژه: بسم الله، مصطفی، احمد جمشید عبدالاحمد، نعمت الله و حبیب الله |
| منظوری مقام محترم شاروالی کابل در این صفحه بیان کننده منظوری تمام صفحات بعدی این بسته اسناد تخنیکي می باشد. | امضا: | بررسی کننده سروی مسعود عتیق الله شیرزی امر سروی |
| بناسی از پلان منظور شده پروژه های انکشافی بودیچه داخلی سال 1402 اداره شاروالی کابل که پروژه هذا به شماره 80 تحت نام امور ساختمان لات دوم سرک کوتل خیرخاتمه مینه واقع ناحیه 17 درج پلان میباشد. اسناد تخنیکي هذا تهیه و ترتیب گردیده است. | امضا: | دیزاین کننده ها: روح الله عطا، عبدالشکور منصور و جمال الله نظری |
| یافت: طبق ازیامات مشخصات تخنیکي این اداره تمام مواد مقیده بدست آمده از سجه ملکیت دولت میباشد. تمام مواد قابل استفاده که در ساجه پروژه قرار دارد باید توسط فراز داری تحت نظارت مدیر پروژه به ریاست محترم کار، حفظ و مرگبت یا یکی از پروژه های تحت کار این ریاست و یا در محل مناسب که ریاست محترم کار، حفظ و مرگبت انتخاب نمید انتقال داده شود و سایر مواد اضافی غیر قبل استفاده باید از ساجه کار توسط فراز داری دور شده طبق ازیامات مشخصات تخنیکي در محل مناسب انتقال یابد و پایه های برقی که در حریم موادر سرک قرار دارد باید در محل مناسب انتقال داده شود. | امضا: | بررسی کننده دیزاین سرک محمد عیسی سیرت مدیر دیزاین سرک |
| تأیید کننده: انجمن فنیق احمد تسمیل رییس زیربنای شهری | امضا: | بررسی کننده دیزاین حبیب الله شالیزی آمر دیزاین |

WATCH LINE - 2
AT STATION - 0+658.00
PREVIOUS SHEET NUMBER - 2



MATCH LINE - 3
AT STATION - 0+987.00

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

| LEGENDS | | |
|---------|-------------------|------|
| SYMBOLS | DESCRIPTION | CODE |
| — | CENTER LINE | CL |
| — | BUILDING | BL |
| — | TOP OF CANAL | TCN |
| — | BOTTOM OF CANAL | BCN |
| — | TOP OF DITCH | TD |
| — | ROAD EDGE | RE |
| — | TOP OF RIVER | TRV |
| — | BOTTOM OF RIVER | BRV |
| — | WALL | W |
| — | TOP OF CULVERT | TCU |
| — | CEMETERY | C |
| — | EXISTING BRIDGE | BR |
| — | TREE | T |
| — | MASQUE | MSQ |
| — | HAND PUMP | HP |
| — | WELL | WELL |
| — | TOPOGRAPHIC POINT | 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 LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY:
SAYED ATIQ:

DATE: SCALE:

STATUS:

PROJECT CODE:

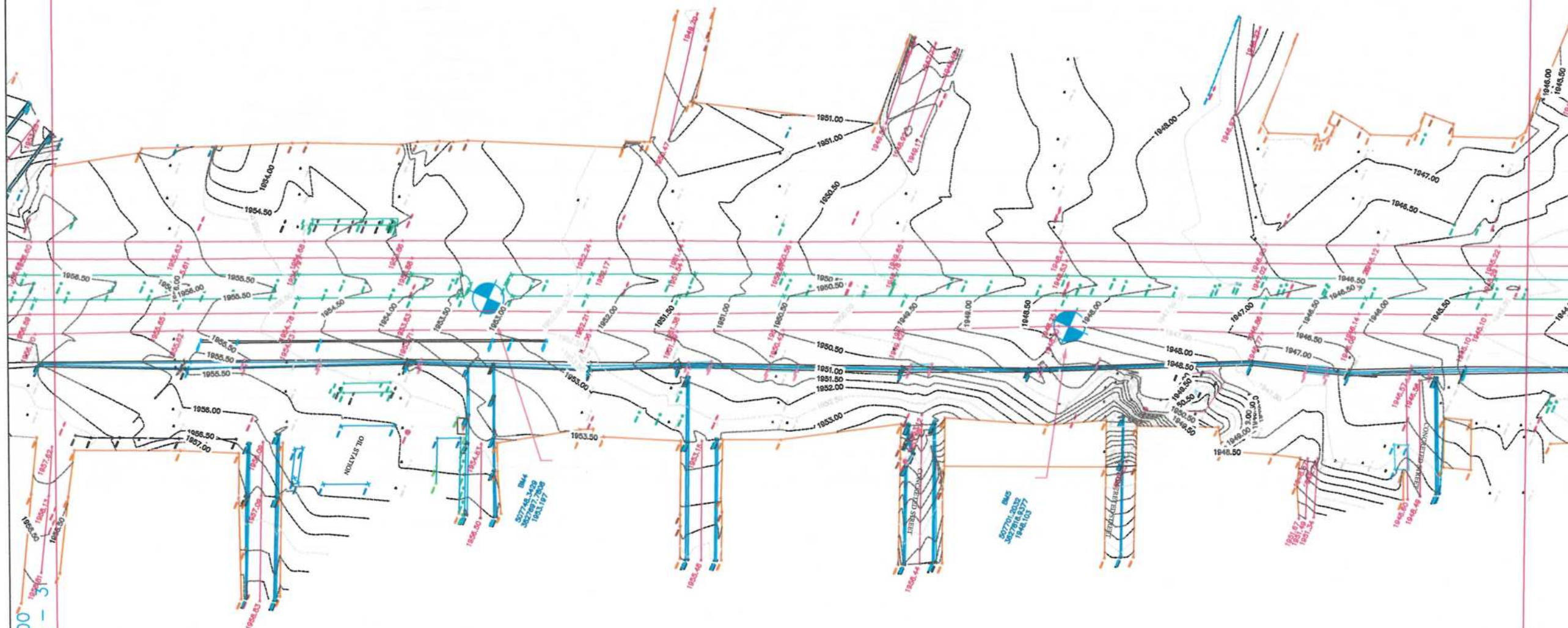
DRAWING #:

3

دبیری زیر بنا و دناست

AT STATION - 0+987.00
PREVIOUS SHEET NUMBER - 3

MATCH LINE - 4
AT STATION - 1+316.00



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

| SYMBOLS | DESCRIPTION | CODE |
|---------|-----------------|------|
| CL | CENTER LINE | CL |
| BL | BUILDING | BL |
| TCN | TOP OF CANAL | TCN |
| BCN | BOTTOM OF CANAL | BCN |
| TD | TOP OF DITCH | TD |
| BM | BENCHMARK | BM |
| STA | STATION | STA |
| CEP | CULVERT | CEP |
| RE | ROAD EDGE | RE |
| TRV | TOP OF RIVER | TRV |
| BRV | BOTTOM OF RIVER | BRV |
| WALL | WALL | WALL |
| TCU | TOP OF CULVERT | TCU |
| CEM | CEMETERY | CEM |
| BR | BRIDGE | BR |
| TREE | TREE | TREE |
| MSQ | MASQUE | MSQ |
| HP | HAND PUMP | HP |
| WELL | WELL | WELL |
| TP | TOP OF PILE | TP |
| CN | CONTAINER | CN |
| TCU | CULVERT | TCU |
| EL | ELECTRIC LINE | EL |
| CON | CONTOUR | CON |
| FR | PAVED ROAD | FR |
| AR | ASPHALT ROAD | AR |

| DATE | REVISION | DETAILS | DRAWN |
|------|----------|---------|-------|
| | | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY:
KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY:
SAYED ATIQ

DATE: SCALE:

STATUS:
SURVEY

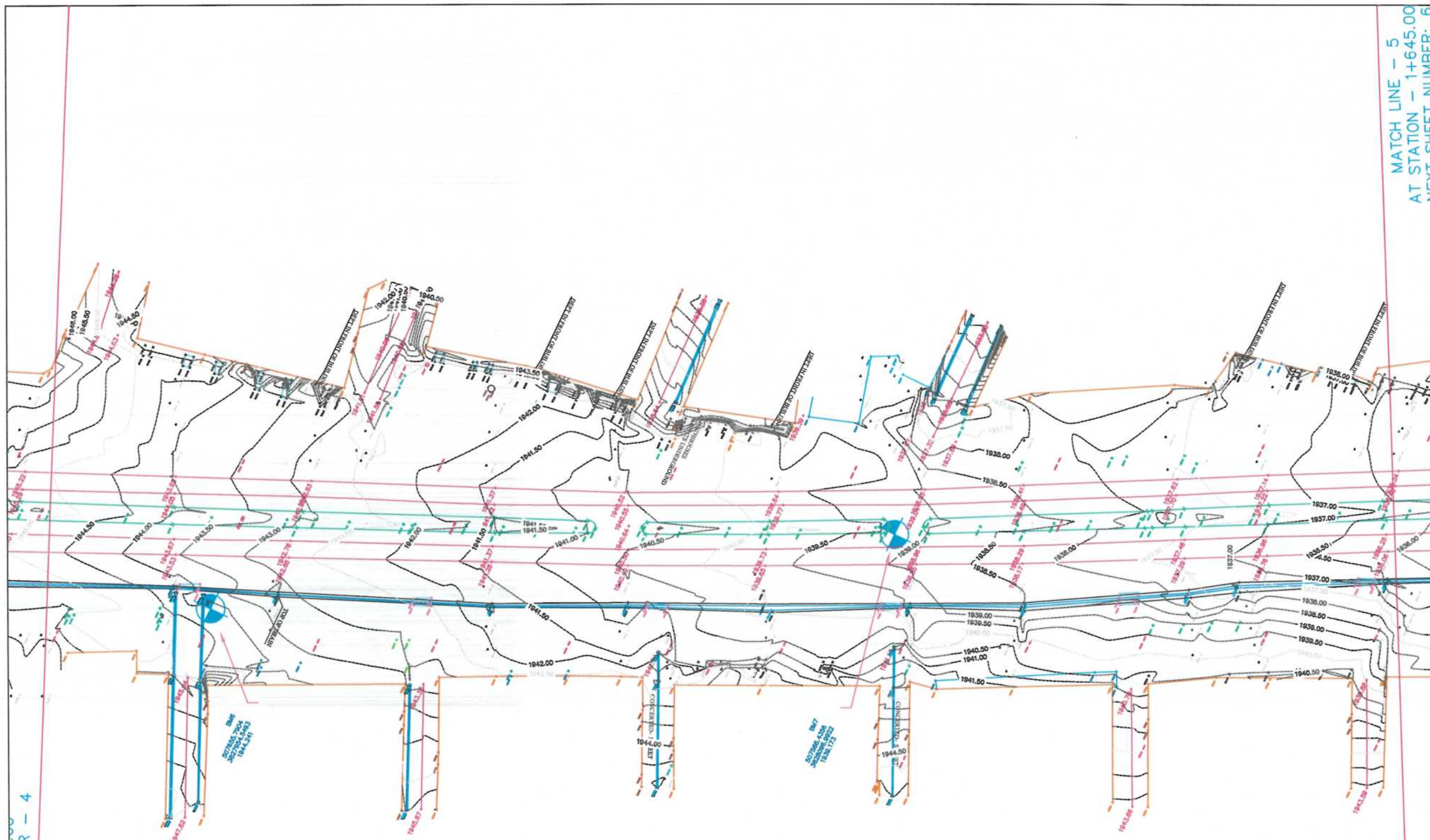
PROJECT CODE:

DRAWING #:

4



PREVIOUS SHEET NUMBER - 4



MATCH LINE - 5
AT STATION - 1+645.00
NEXT SHEET NUMBER: 6

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 RIVER | TRV |
| | BOTTOM OF RIVER | BRV |
| | TOP OF DITCH | TD |
| | STATION | STA |
| | ROAD EDGE | RE |
| | TOP OF CULVERT | TCU |
| | CEMETERY | CEP |
| | EXISTING BRIDGE | BR |
| | TREE | MSQ |
| | MASQUE | MSQ |
| | HAND PUMP | HP |
| | WELL | WELL |
| | TOPOGRAPHY POINT | TP |
| | CONTAINER | CN |
| | CULVERT | TCU |
| | STEEL STRUCTURE | SS |
| | ELEVATION | EL |
| | CONTOUR | CON |
| | PAVED ROAD | PR |
| | ASPHALT ROAD | AR |

| DATE | REVISION DETAILS | DRAWN |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY: KABUL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY:
SAYED ATIQ:

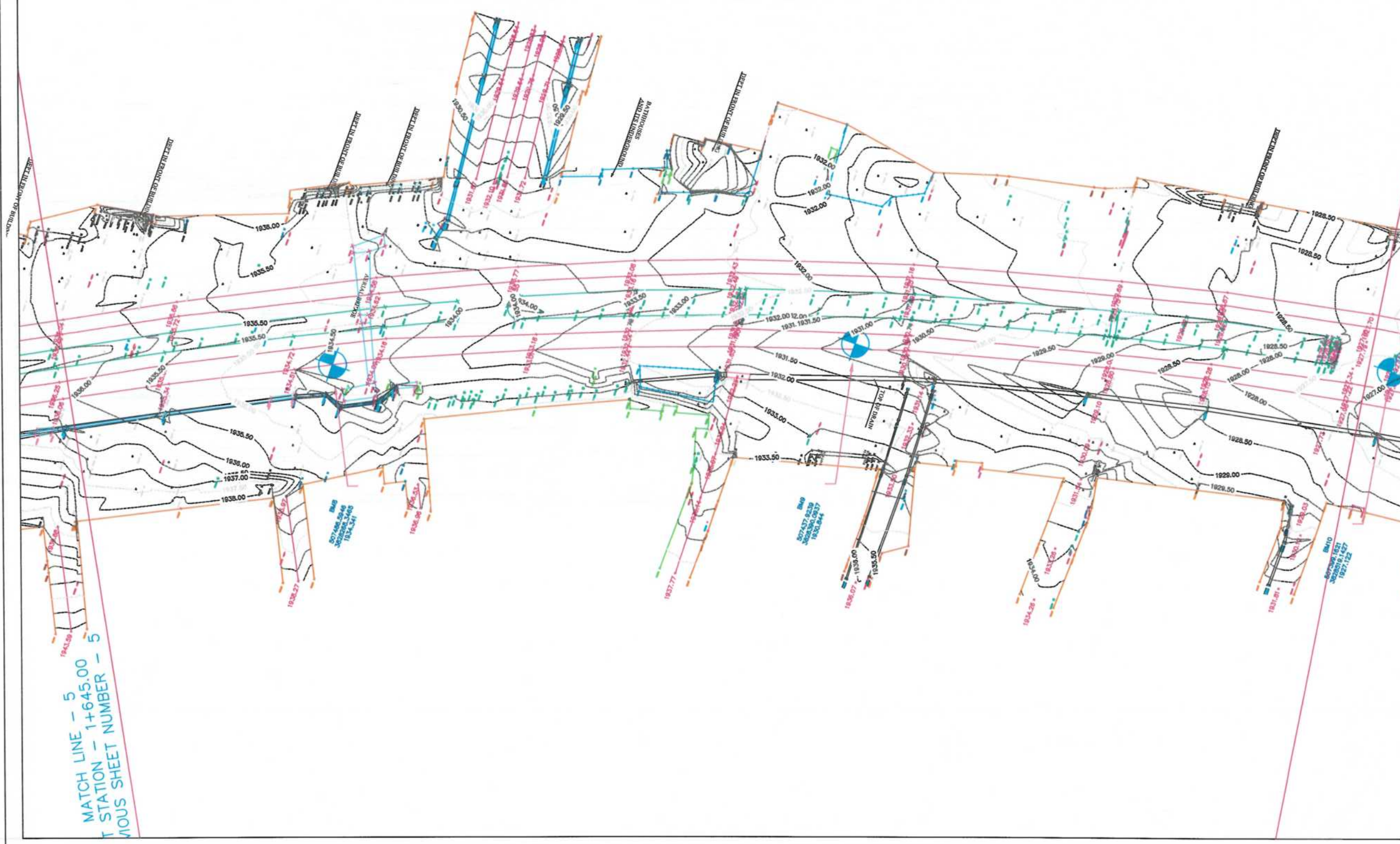
DATE: SCALE:

STATUS: SURVEY

PROJECT CODE:

DRAWING #: 5





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

LEGENDS

| SYMBOLS | DESCRIPTIONS | CODE |
|---------|------------------|------|
| CL | CENTER LINE | CL |
| BL | BUILDING | BL |
| TCN | TOP OF CANAL | TCN |
| BCN | BOTTOM OF CANAL | BCN |
| TD | TOP OF DITCH | TD |
| BM | BENCHMARK | BM |
| STA | STATION | STA |
| CEP | CULVERT ENTRANCE | CEP |
| RE | ROAD EDGE | RE |
| TRV | TOP OF RIVER | TRV |
| BRV | BOTTOM OF RIVER | BRV |
| WALL | WALL | WALL |
| TCU | TOP OF CULVERT | TCU |
| CEM | CEMETERY | CEM |
| BR | ENTRANCE BRIDGE | BR |
| MSQ | MASQUE | MSQ |
| HP | HAND PUMP | HP |
| WELL | WELL | WELL |
| TP | TEMPORARY POINT | TP |
| CN | CONTAINER | CN |
| TCU | CULVERT | TCU |
| MS | STEEL BRIDGE | MS |
| BR | BRIDGE | BR |
| CON | CONTOUR | CON |
| PRD | PAVED ROAD | PRD |
| ASR | ASPHALT ROAD | ASR |

| DATE | REVISION DETAILS | DRAWN |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

SURVEYED BY: KABIL MUNICIPALITY
SURVEY TEAM

PROJECT NAME:
SURVEY OF LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY:
SAYED ATIQ:

DATE: SCALE:

STATUS:
SURVEY

PROJECT CODE:

DRAWING #: 6

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

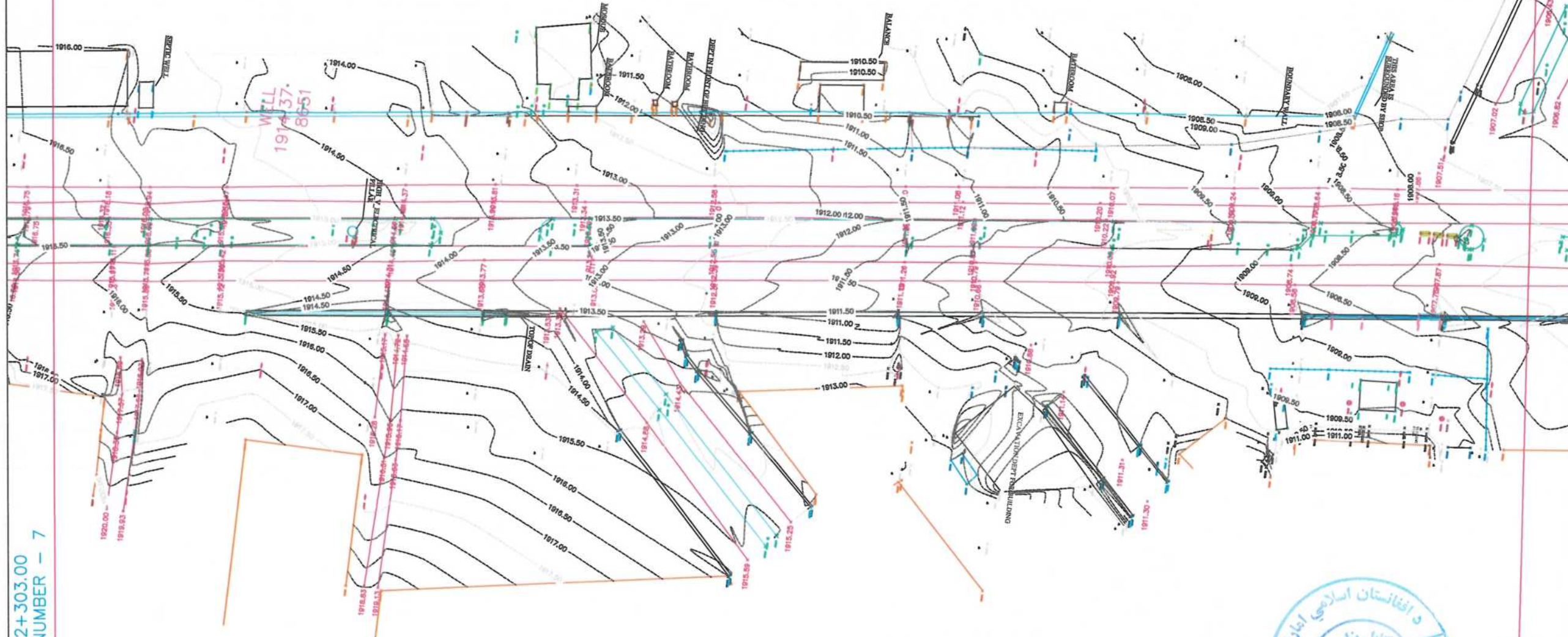
LEGENDS

| SYMBOLS | DESCRIPTION | CODE |
|---------|------------------------|------|
| | CENTER LINE | CL |
| | BUILDING | BL |
| | TOP OF CANAL | TCL |
| | BOTTOM OF CANAL | BCN |
| | TOP OF DITCH | TD |
| | STATION | STA |
| | ENHANCED ELECTRIC POLE | CEP |
| | ROAD EDGE | RE |
| | TOP OF RIVER | TR |
| | BOTTOM OF RIVER | BRV |
| | WALL | |
| | TOP OF CULVERT | TCU |
| | CEMETERY | |
| | EXISTING BRIDGE | BR |
| | TREE | |
| | MASQUE | MSQ |
| | HAND PUMP | HP |
| | WELL | WELL |
| | TEMPORARY FISH | TP |
| | CONTAINER | CN |
| | CULVERT | TCU |
| | STEEL ELECTRIC POLE | SEP |
| | ELECTRIC BOX | EBB |
| | CONTOUR | |
| | PAVED ROAD | |
| | ASPHALT ROAD | |

| | | | | | | | | | |
|---|--|--|--------------------------------|--|---|--|-------|--|--|
| | | | | | | | | | |
| DATE | | | REVISION DETAILS | | | | DRAWN | | |
| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | | | | | |
| SURVEYED BY: | | | KABUL MUNICIPALITY SURVEY TEAM | | | | | | |
|  | | | | | | | | | |
| PROJECT NAME: | | | | | | | | | |
| SURVEY OF LOT#2 KOTAL KHIR KHANA | | | | | | | | | |
| DRAWING TITLE: | | | | | | | | | |
| TOPOGRAPHIC SURVEY | | | | | | | | | |
| BESMILLAH: MUSTAFA: AHMAD JAMSHID ABDUL AHMAD | | | | |  | | | | |
| NAMATULLAH HASEBULLAH | | | | |  | | | | |
| HEAD OF SURVEY : SAYED ATIQ : | | | | | | | | | |
| DATE: | | | | | SCALE: | | | | |
| STATUS: | | | | | | | | | |
| SURVEY | | | | | | | | | |
| PROJECT CODE: | | | | | | | | | |
| DRAWING #: | | | | | | | | | |
| 7 | | | | | | | | | |



AT STATION - 2+303.00
PREVIOUS SHEET NUMBER - 7



MATCH LINE - 8
AT STATION - 2+632.00

NOTE:
ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE INDICATED

| LEGENDS | | |
|---------|--------------------|------|
| SYMBOL | DESCRIPTION | CODE |
| — | CENTER LINE | CL |
| — | BUILDING | BL |
| — | TOP OF CANAL | TCN |
| — | BOTTOM OF CANAL | BCN |
| — | TOP OF DITCH | TD |
| — | STATION | STA |
| — | CHARTERED BOUNDARY | CEP |
| — | ROAD EDGE | RE |
| — | TOP OF RIVER | TRV |
| — | BOTTOM OF RIVER | BRV |
| — | WALL | W |
| — | TOP OF CULVERT | TCU |
| — | CEMETERY | CEM |
| — | EXISTING BRIDGE | BR |
| — | TREE | TR |
| — | MASQUE | MSQ |
| — | HAND PUMP | HP |
| — | WELL | WEL |
| — | 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 LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY:
SAYED ATIQ:

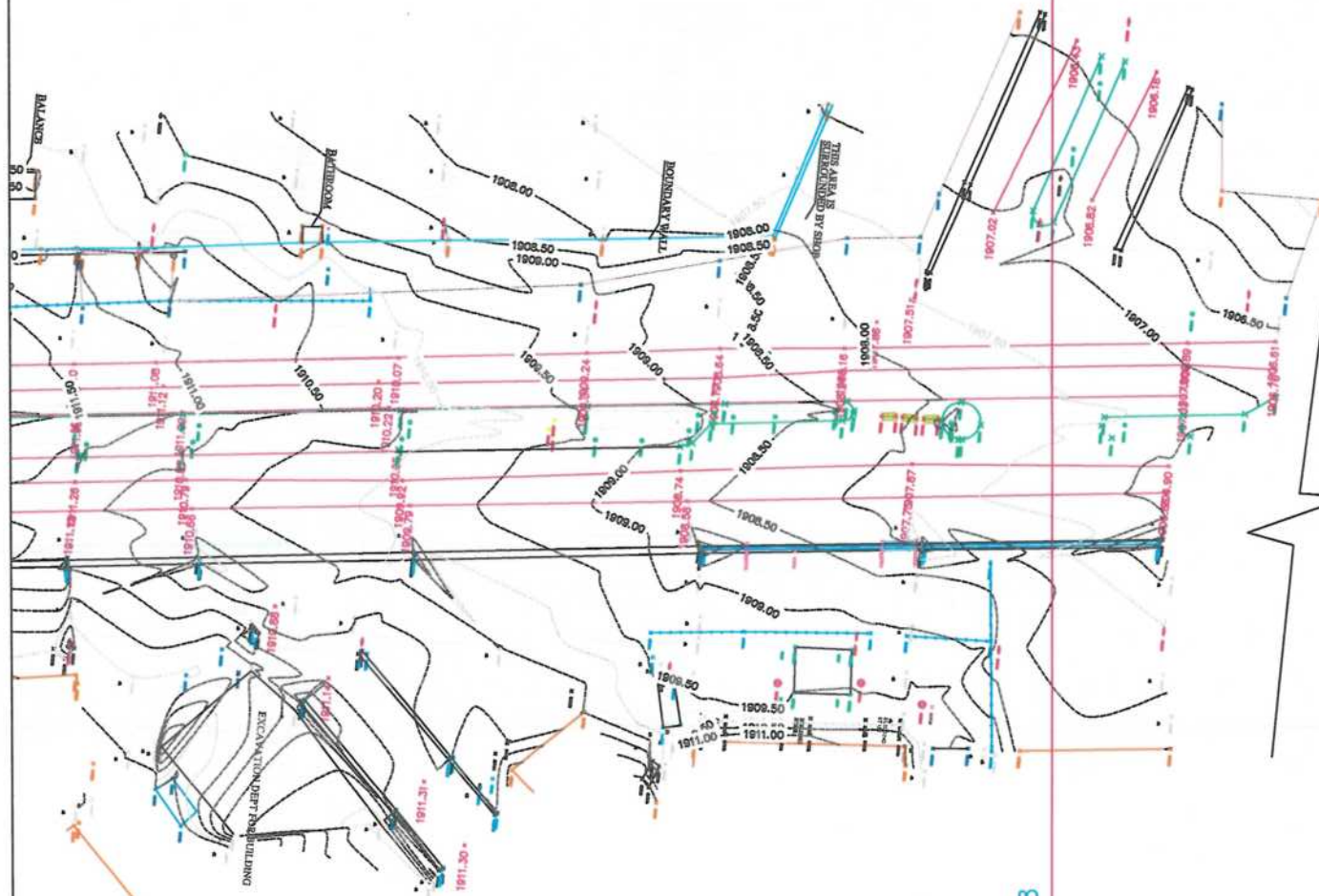
DATE: SCALE:

STATUS:
SURVEY

PROJECT CODE:

DRAWING #: 8





MATCH LINE - 8
AT STATION - 2+632.00
PREVIOUS SHEET NUMBER - 8

KABUL TO PARWAN



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

| LEGENDS | | |
|---------|-----------------|------|
| SYMBOL | DESCRIPTION | CODE |
| — | CENTER LINE | CL |
| — | BUILDING | BL |
| — | TOP OF CANAL | TCN |
| — | BOTTOM OF CANAL | BCN |
| — | TOP OF DITCH | TD |
| — | STATION | STA |
| — | ROAD EDGE | RE |
| — | TOP OF RIVER | TRV |
| — | BOTTOM OF RIVER | BRV |
| — | WALL | W |
| — | TOP OF CULVERT | TCU |
| — | CEMETERY | CEM |
| — | EXISTING BRIDGE | BR |
| — | TREE | MSQ |
| — | MASQUE | MSQ |
| — | HAND PUMP | HP |
| — | WELL | WELL |
| — | 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 LOT#2
KOTAL KHIR KHANA

DRAWING TITLE:
TOPOGRAPHIC
SURVEY

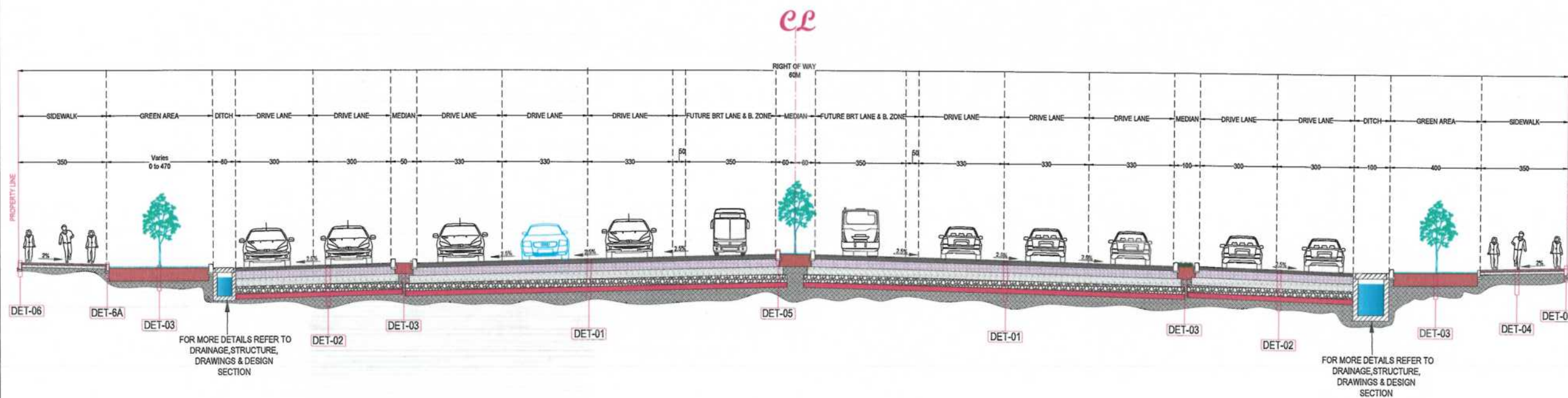
BESMILLAH:
MUSTAFA:
AHMAD JAMSHID
ABDUL AHMAD
NAMATULLAH
HASEBULLAH
HEAD OF SURVEY :
SAYED ATIQ:

DATE: SCALE:

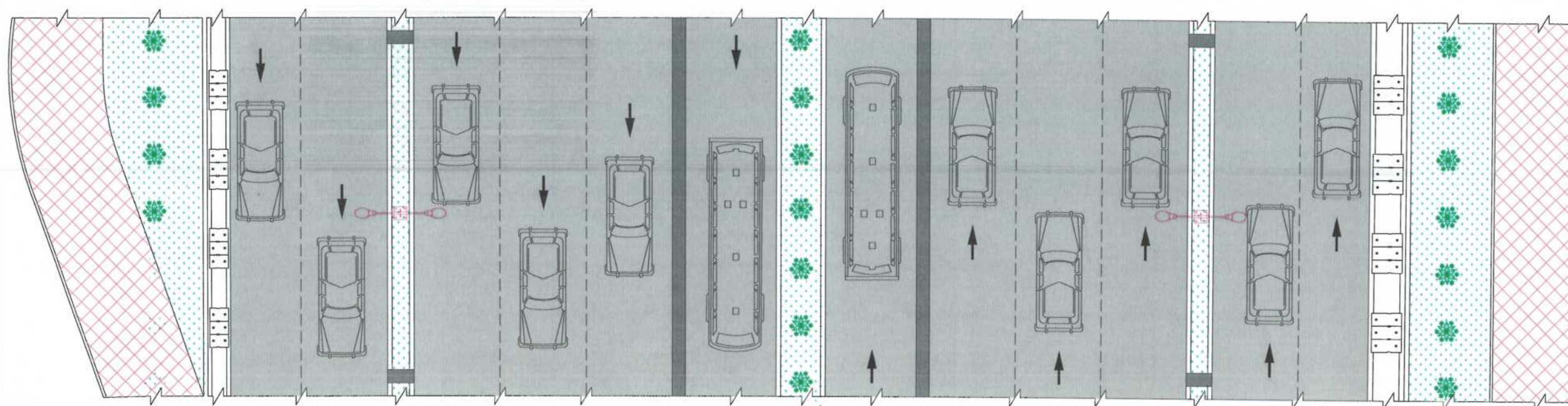
STATUS: SURVEY

PROJECT CODE:

DRAWING #: 9



TCS 0-1 Roadway Typical Section & Plan Station: 0+000 to 0+010
Scale: As Shown



NOTE:
1. All dimensions are in centimeter (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

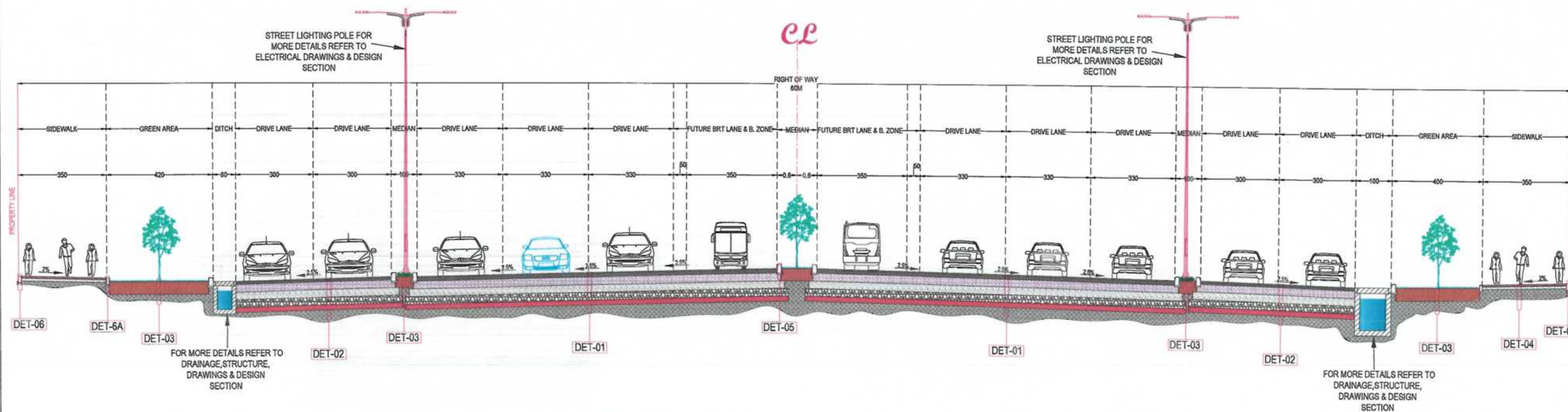
Drawing Title:
TYPICAL SECTION & PLAN

| | |
|------------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Essa Sirat | Signature: |
| Checked by: Hassanullah Shalizi | Signature: |

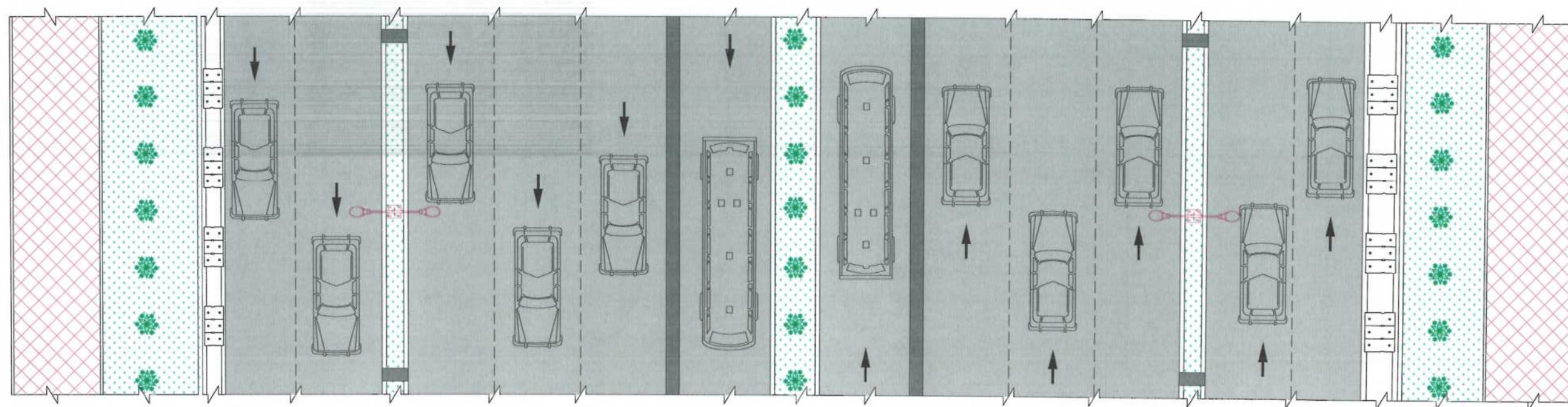
Date:
7/29/2023

Status:
FINAL DESIGN

| | |
|------------------------------|----------------|
| Drawing Number T-S-&-P-01 | Revision 01 |
|------------------------------|----------------|



TCS 0-2 Roadway Typical Section & Plan Station: 0+010 to 0+080
Scale: As Shown



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision | Details | Drawn |
|------|----------|---------|-------|
| | | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRCHANA MINA ROAD

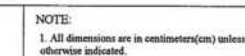
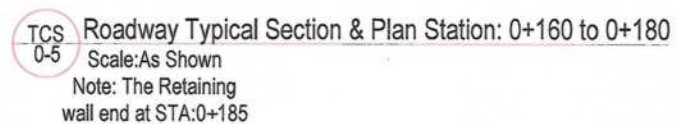
Drawing Title:
TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Easa Sirat
Checked by: Habibullah Shalizi

Date: 7/29/2023
Scale: As Shown

Status:
FINAL DESIGN

Drawing Number: T-S-&-P-02
Revision: 01

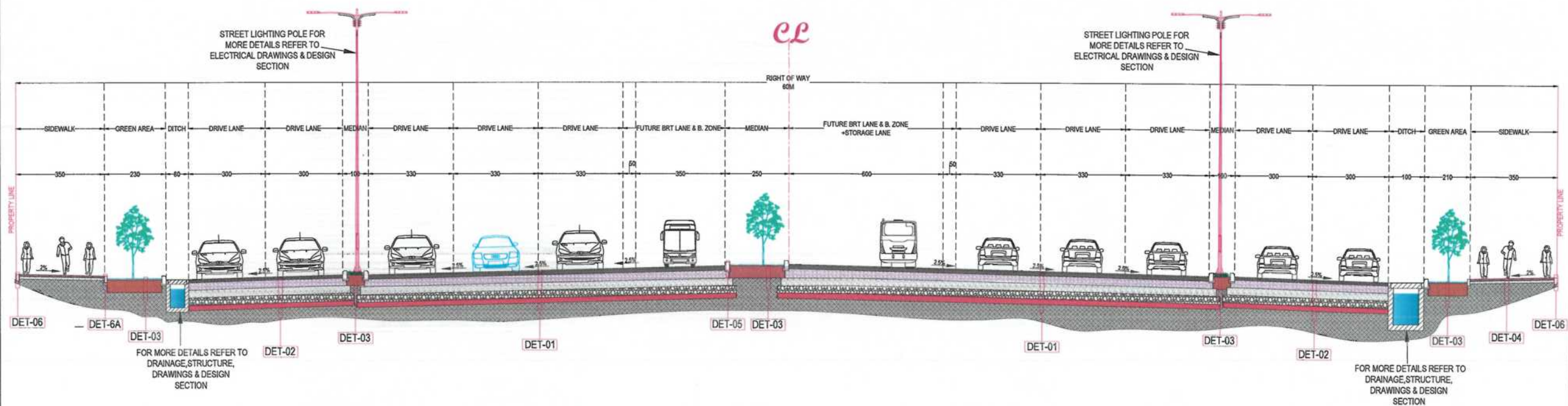
T-S-&P-05

Date: 7/29/2023

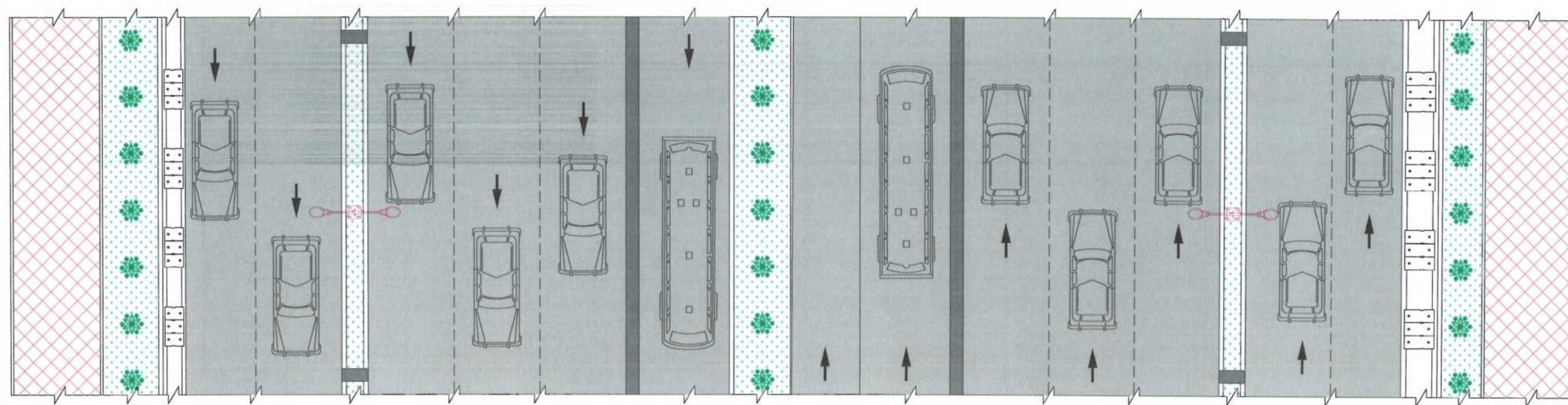
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|---------|--------------|
| Status: | FINAL DESIGN |
|---------|--------------|

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|----------------|------------|
| Drawing Number | T-S-&-P-05 |
|----------------|------------|

| | |
|----------|----|
| Revision | 01 |
|----------|----|



TCS 0-6 Roadway Typical Section & Plan Station: 0+180 to 0+209
Scale: As Shown



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



Date Revision Details Drawn

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

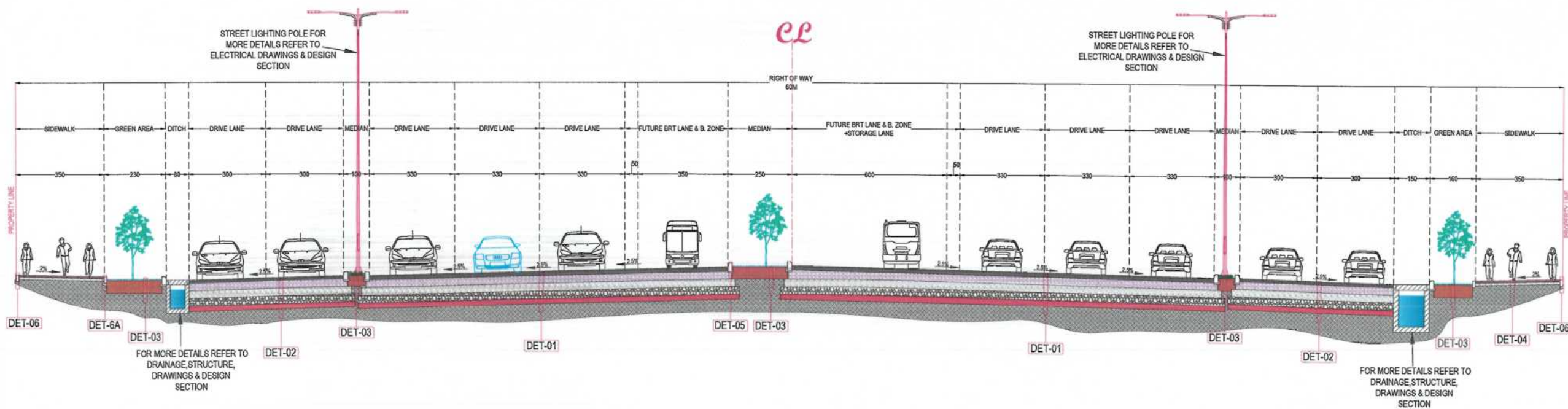
Drawing Title:
TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Habibullah Shalvazi

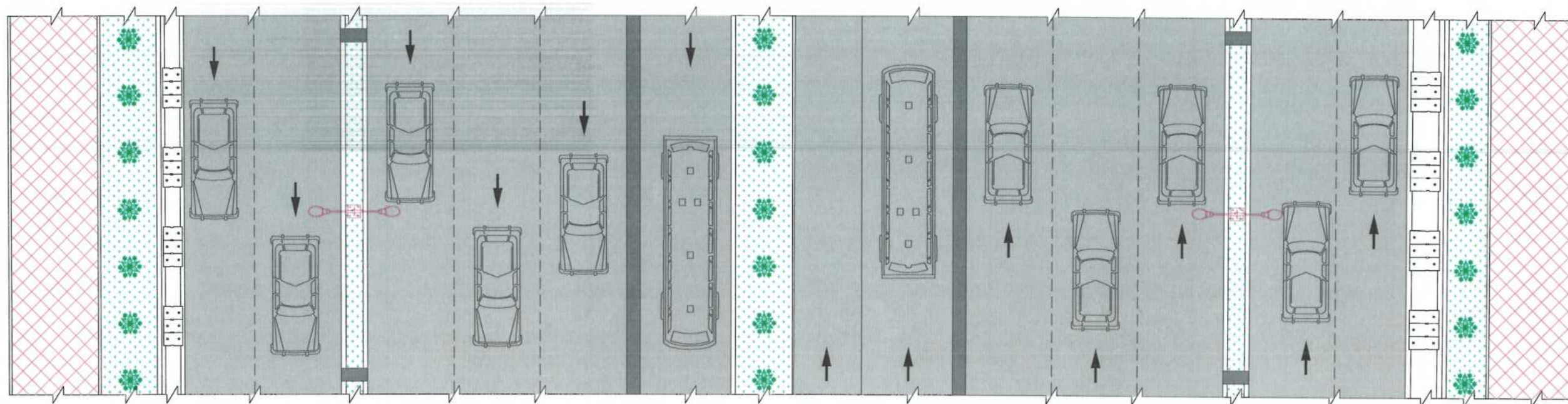
Date: 7/29/2023
Scale: As Shown

Status:
FINAL DESIGN

Drawing Number: T-S-&-P-06
Revision: 01



TCS 0-7 Roadway Typical Section & Plan Stations: 0+209 to 0+230
Scale: As Shown 1+320 to 1+370



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision | Details | Drawn |
|------|----------|---------|-------|
| | | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

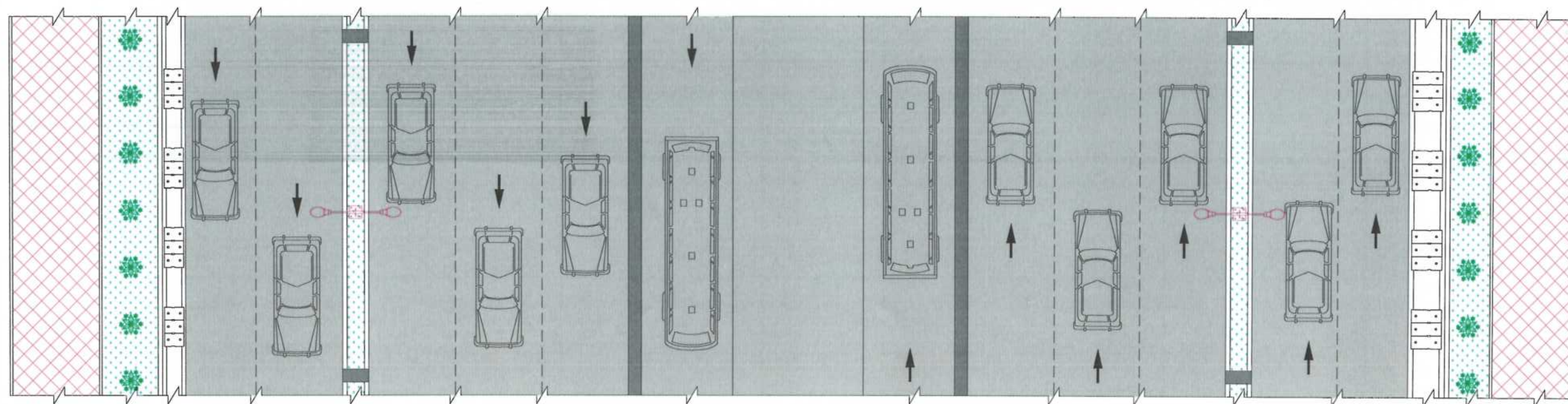
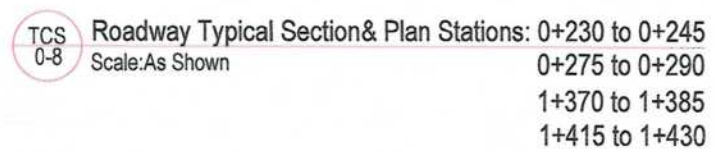
Drawing Title: TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Easa Sirt
Checked by: Hasibullah Shalizi

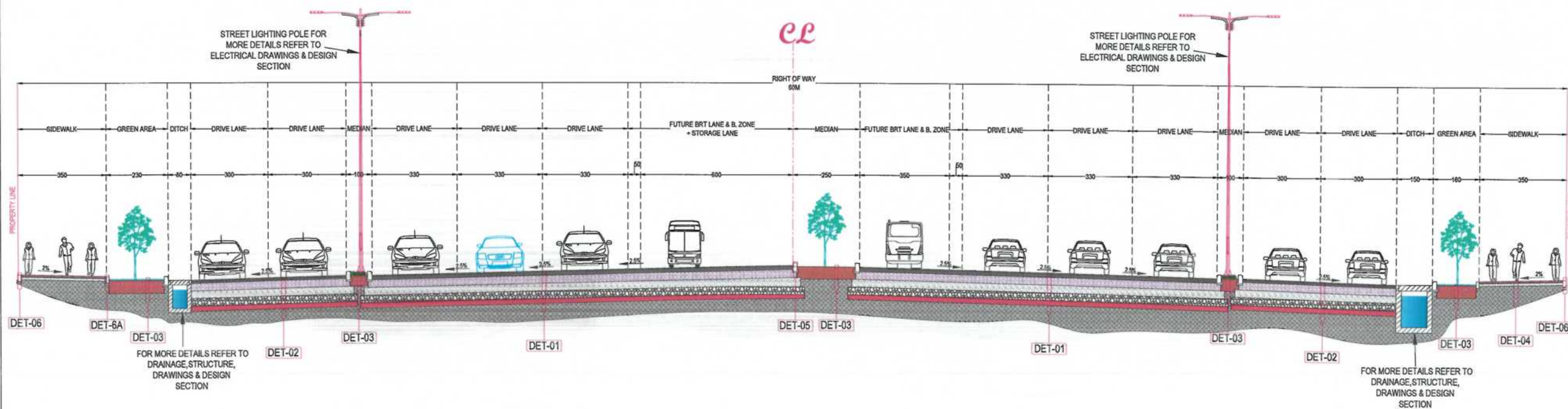
Date: 7/29/2023
Scale: As Shown

Status: FINAL DESIGN

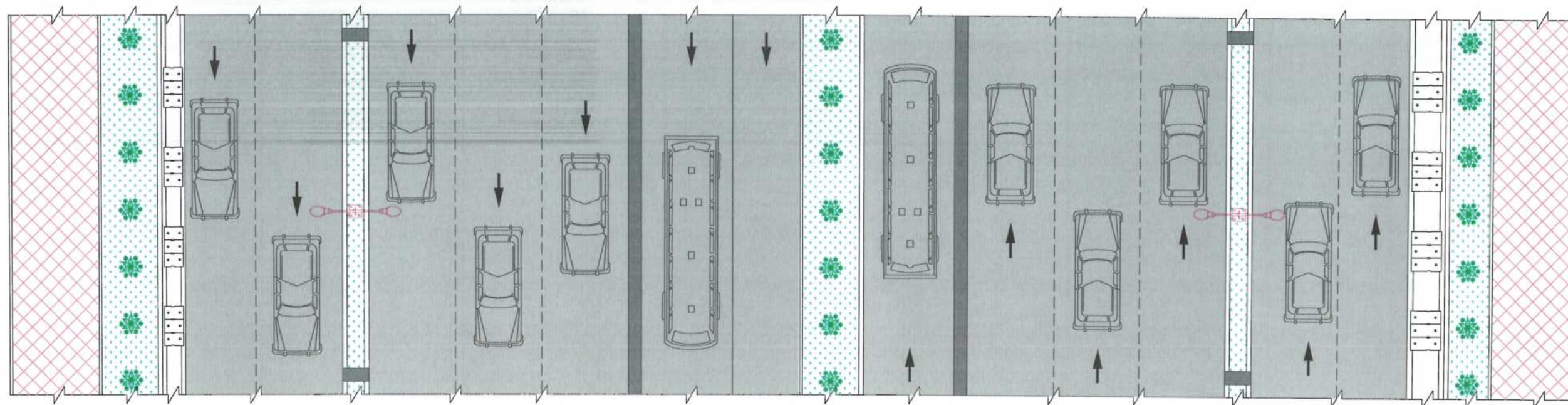
Drawing Number: T-S-&-P-07
Revision: 01



| | |
|----------------|----------|
| Drawing Number | Revision |
| T-S-&-P-08 | 01 |



TCS 0-9 Roadway Typical Section & Plan Stations: 0+290 to 0+340 And 1+430 to 1+480
Scale: As Shown



NOTE:
1. All dimensions are in centimeter (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAI. KHAIRKHANA MINA ROAD

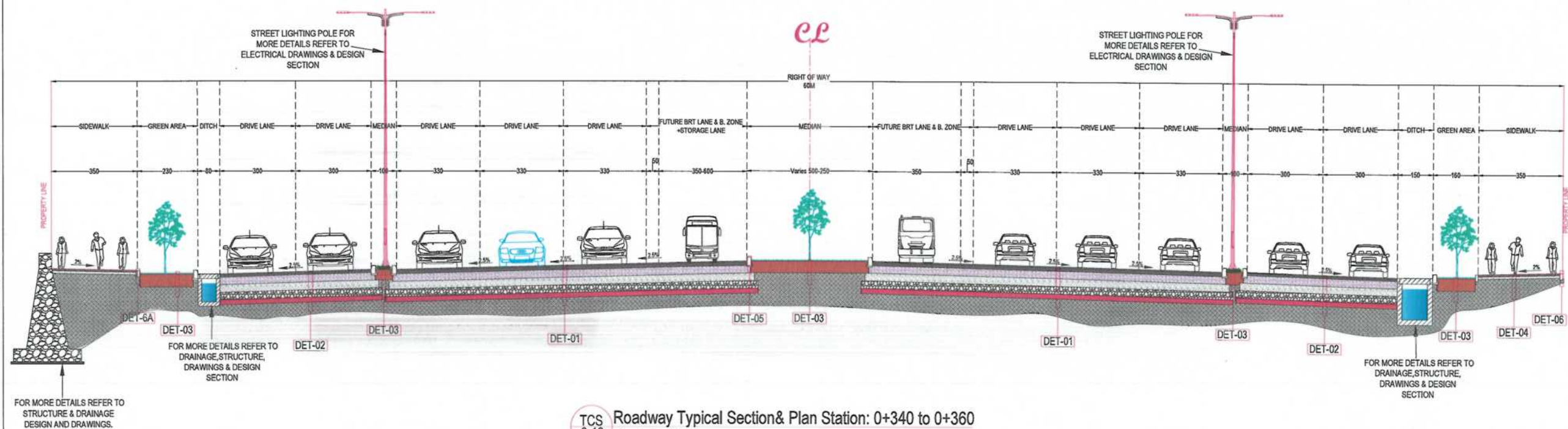
Drawing Title: TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
 Drawn by: Rohullah Ata
 Checked by: M. Essa Sirat
 Checked by: Hamidullah Shalizi

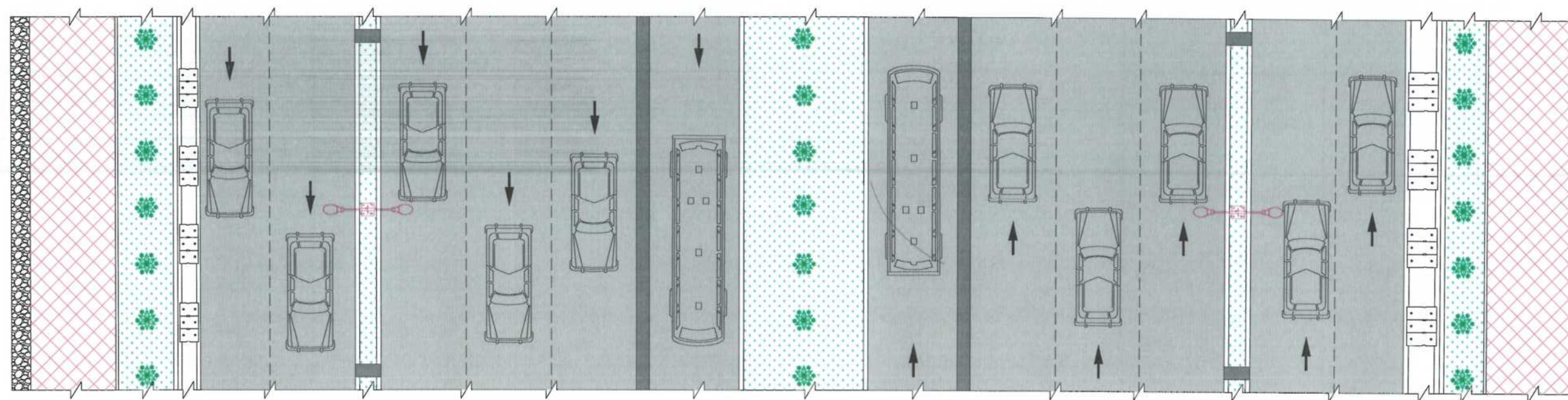
Date: 7/29/2023
 Scale: As Shown

Status: FINAL DESIGN

Drawing Number: T-S-&-P-09
 Revision: 01



TCS 0-10 Roadway Typical Section & Plan Station: 0+340 to 0+360
 Scale: As Shown
 Note: The Retaining Wall Start from STA: 0+310



NOTE:
 1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIKHAHANA MINA ROAD

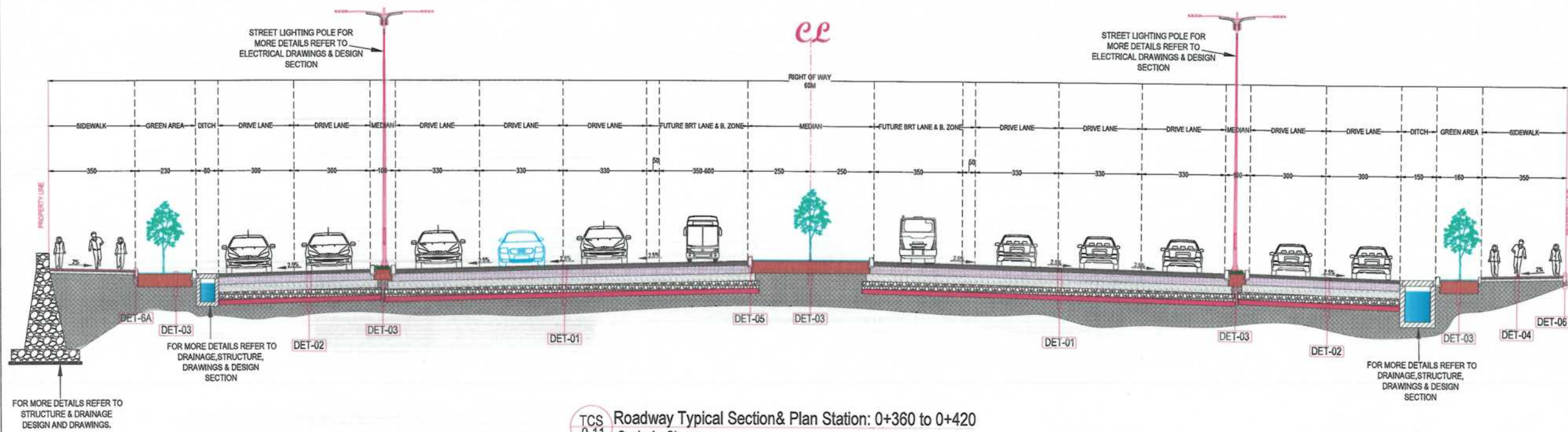
Drawing Title: TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
 Drawn by: Rohullah Ata
 Checked by: M. Eesa Sirt
 Checked by: Hanbullah Shalizi

Date: 7/29/2023
 Scale: As Shown

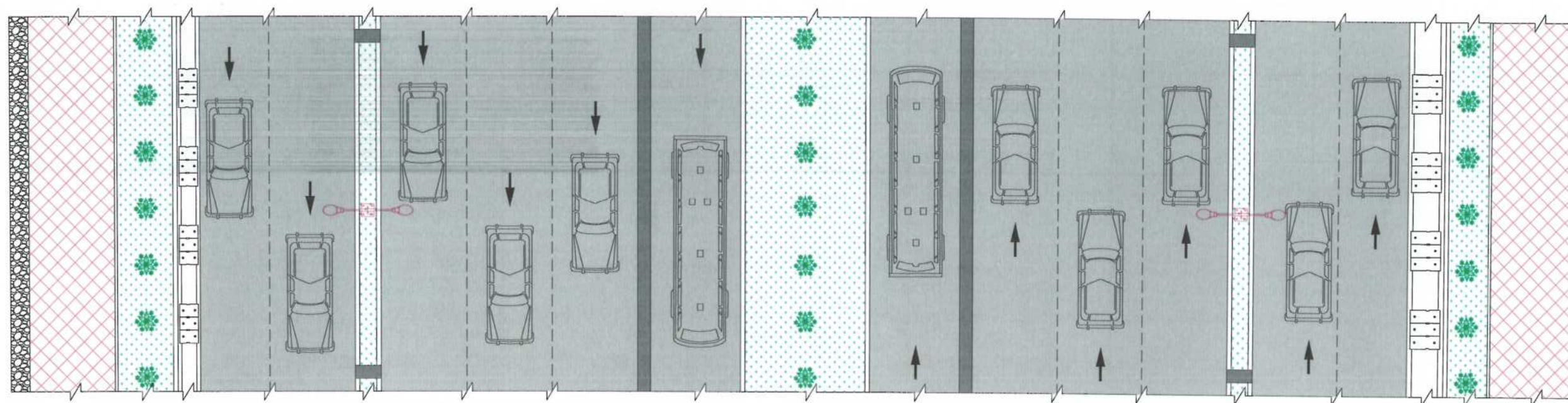
Status: FINAL DESIGN

Drawing Number: T-S-&-P-010
 Revision: 01



TCS 0-11 Roadway Typical Section & Plan Station: 0+360 to 0+420
Scale: As Shown

Note: The Retaining Wall Start from STA: 0+310



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

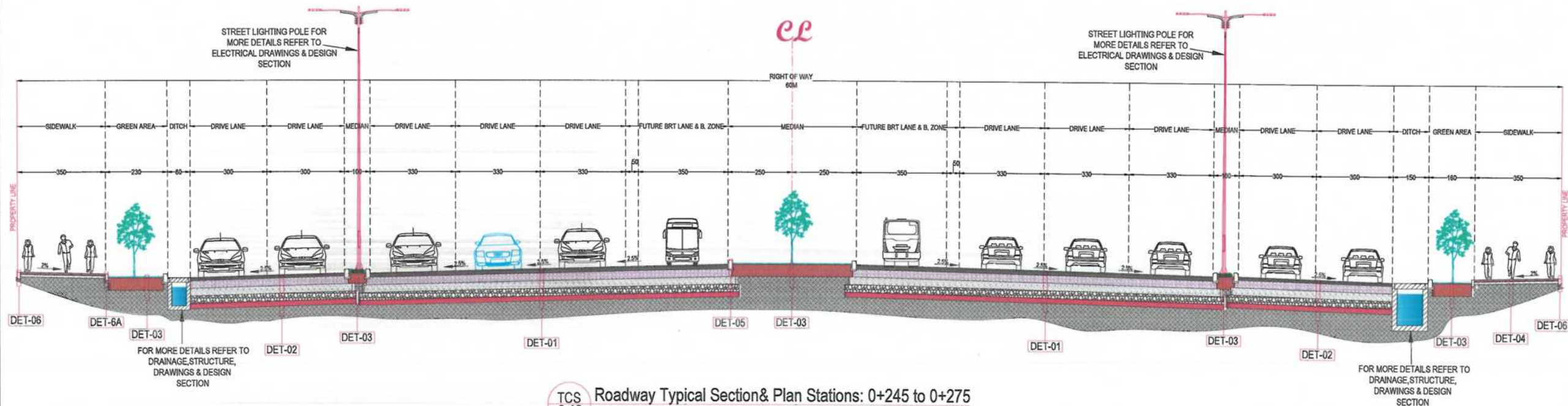
Drawing Title:
TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Easa Sirat
Checked by: Hassibullah Shalizi

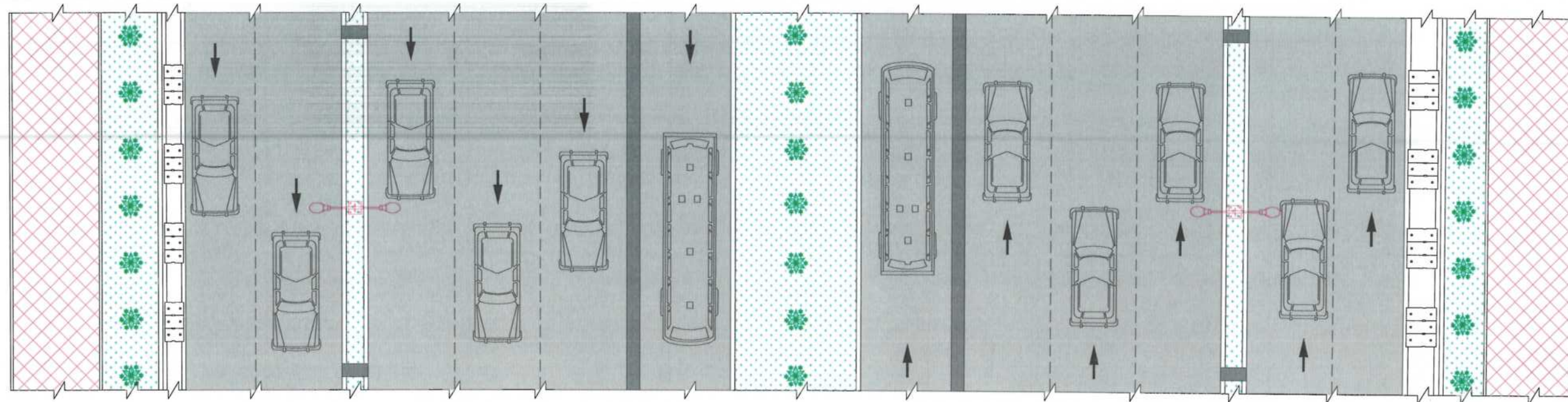
Date: 7/29/2023
Scale: As Shown

Status:
FINAL DESIGN

Drawing Number: T-S-&-P-011
Revision: 01



TCS 0-12 Roadway Typical Section & Plan Stations: 0+245 to 0+275
0+420 to 1+300
1+385 to 1+415
1+500 to 2+089.3
Scale: As Shown



NOTE:
1. All dimensions are in centimeter (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

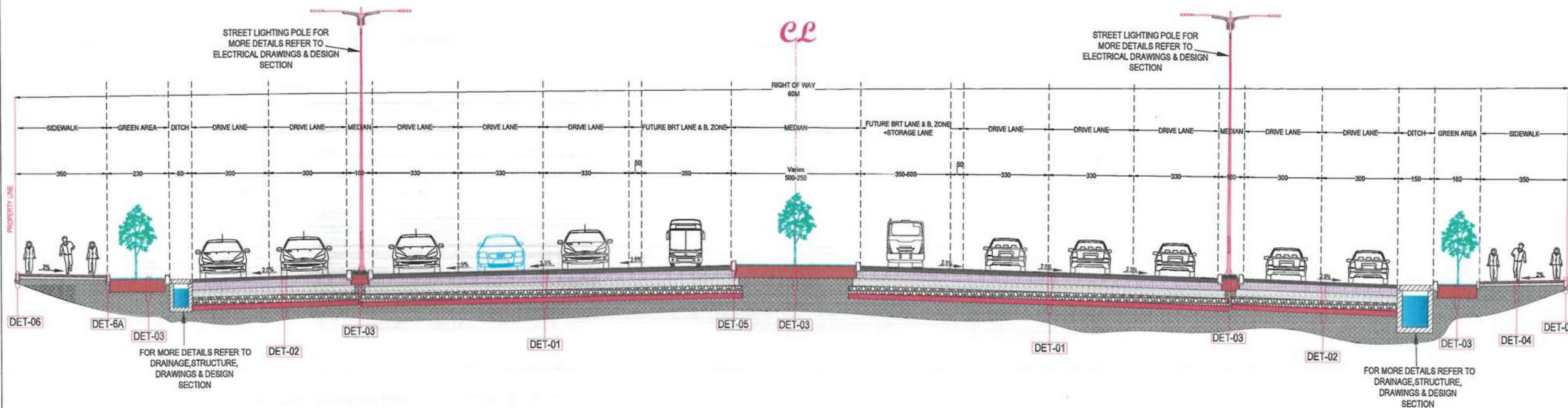
Drawing Title: TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Hasbullah Shalizi

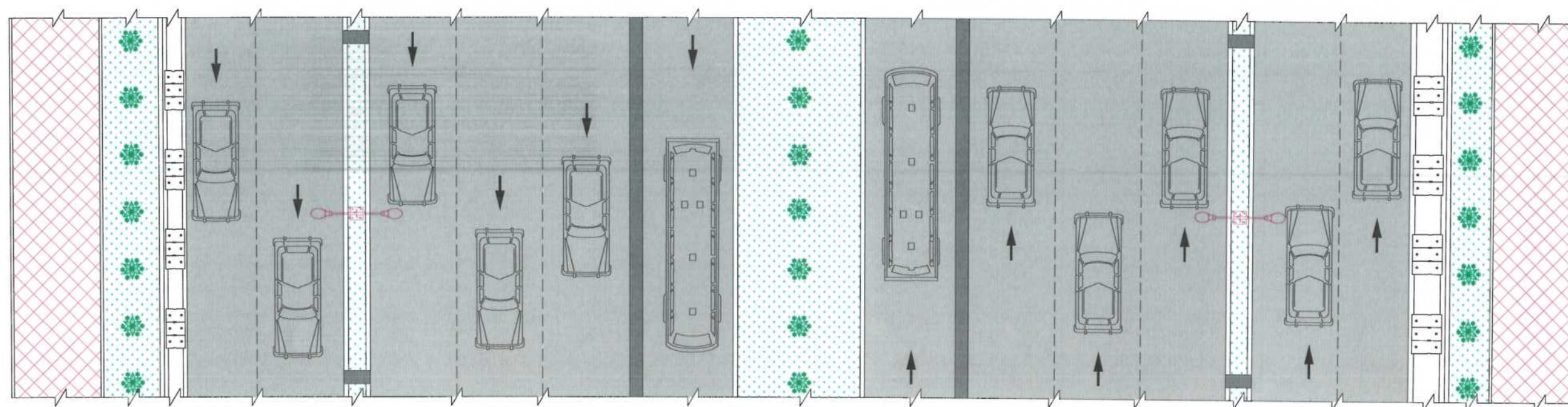
Date: 7/29/2023
Scale: As Shown

Status: FINAL DESIGN

Drawing Number: T-S-&-P-012
Revision: 01



TCS 0-13 Roadway Typical Cross Section Station 1+300 to 1+320
Scale: As Shown



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
TYPICAL SECTION & PLAN

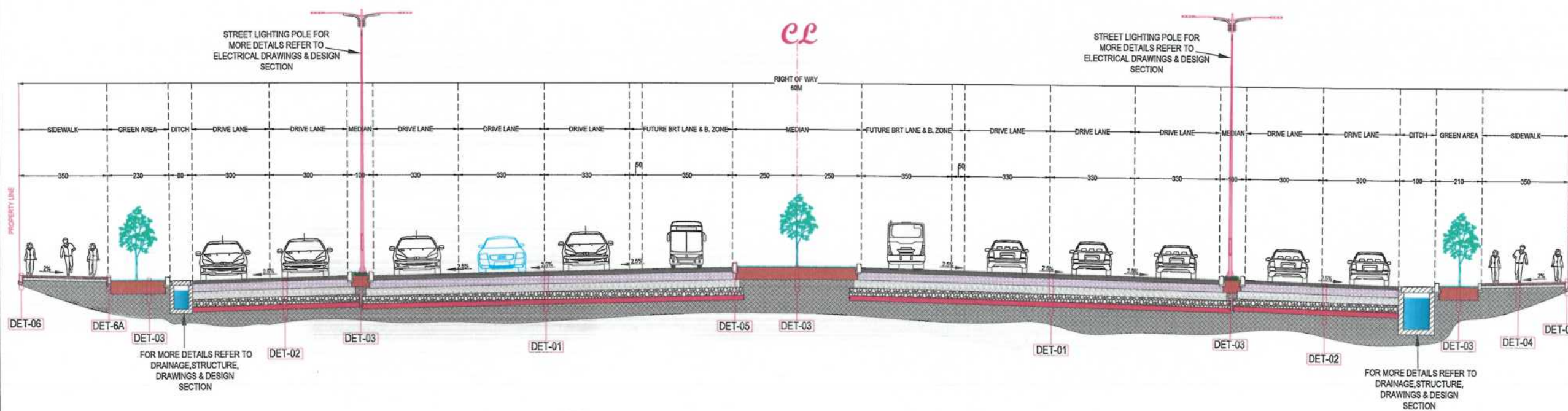
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| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Easa Sirat | Signature: |
| Checked by: Hassanullah Shalizi | Signature: |

Date:
7/29/2023

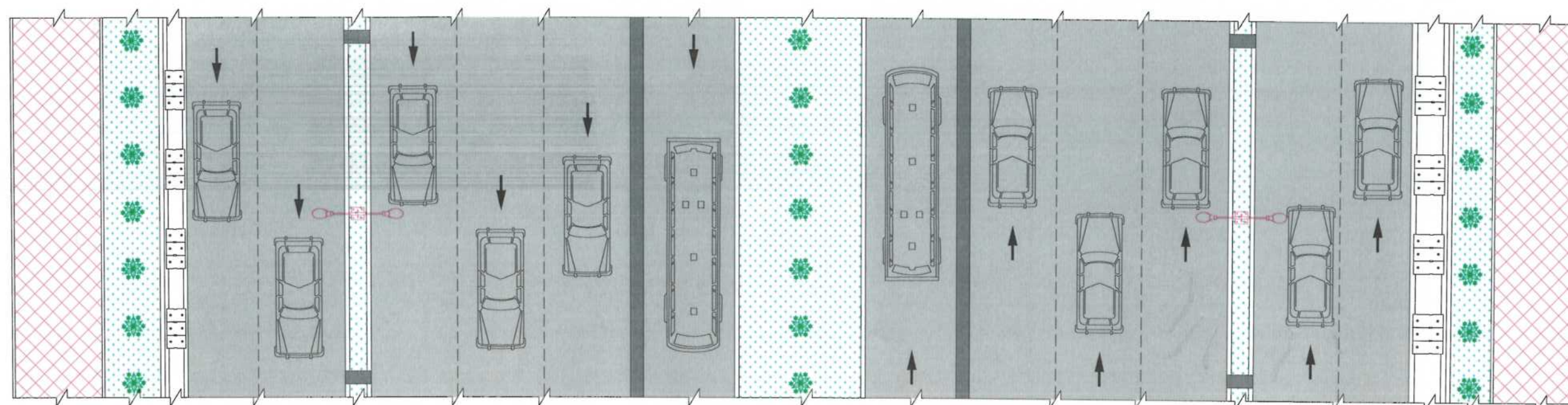
Scale:
As Shown

Status:
FINAL DESIGN

| | |
|------------------------------|----------------|
| Drawing Number T-S-&P-013 | Revision 01 |
|------------------------------|----------------|



TCS 0-15 Roadway Typical Section & Plan Station 2+089.3 to 2+520
Scale: As Shown



NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
TYPICAL SECTION & PLAN

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Ensa Sirat
Checked by: Hashibullah Shalizi

Date: 7/29/2023
Scale: As Shown

Status:
FINAL DESIGN

Drawing Number: T-S-&P-015
Revision: 01

| | |
|--|---|
| ASPHALT WEARING COURSE | 50mm HOT MIX ASPHALT |
| ASPHALT INTERMEDIATE & BINDER COURSES | 120mm HOT MIX ASPHALT 60mm MAXIMUM LIFT THICKNESS |
| GRANULAR AGGREGATE BASE COURSE (80% MIN CBR) | 300mm @ MIN 98% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| GRANULAR AGGREGATE SUBBASE COURSE (35% MIN CBR) | 300mm @ MIN 98% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| COMPACTED SUBGRADE SELECT GRANULAR MATERIAL (18% MIN CBR) | 300mm @ MIN 97% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| EMBANKMENT/REPLACEMENT SATISFACTORY MATERIAL (12% MIN CBR) | 280mm @ MIN 97% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| NATURAL SCARIFIED AND RE-COMPACTED SUBGRADE | 150mm @ MIN 95% COMPACTION 150mm MIN SCARIFICATION DEPTH |

DET-01 MAIN ROAD AND BRT CARRIAGEWAYS MATERIAL DETAIL SCALE:NTS

| | |
|--|---|
| ASPHALT WEARING COURSE | 50mm HOT MIX ASPHALT |
| ASPHALT INTERMEDIATE & BINDER COURSES | 70mm HOT MIX ASPHALT 70mm MAXIMUM LIFT THICKNESS |
| GRANULAR AGGREGATE BASE COURSE (80% MIN CBR) | 300mm @ 98% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| GRANULAR AGGREGATE SUBBASE COURSE (35% MIN CBR) | 300mm @ MIN 98% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| COMPACTED SUBGRADE SELECT GRANULAR MATERIAL (18% MIN CBR) | 300mm @ MIN 97% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| EMBANKMENT/REPLACEMENT SATISFACTORY MATERIAL (12% MIN CBR) | 280mm @ MIN 97% COMPACTION 150mm MAXIMUM LIFT THICKNESS |
| NATURAL SCARIFIED AND RE-COMPACTED SUBGRADE | 150mm @ MIN 95% COMPACTION 150mm MIN SCARIFICATION DEPTH |

DET-02 SERVICE ROAD CARRIAGEWAY MATERIAL DETAIL SCALE:NTS

| | |
|--|--|
| INTERLOCKING PAVEMENT | 50mm INTERLOCKING WITH 35MPA CYLINDRICAL SPECIFIED COMPRESSION STRENGTH AT 28 DAYS FOR NORMAL AND 60 MM FOR CAR ENTRANCE |
| FINE SAND LAYER | 30mm FINE SAND, COMPACTION AS PER SIDE CONDITION |
| GRANULAR AGGREGATE BASE COURSE (35% MIN CBR) | 100mm @ 95% COMPACTION 100mm MAXIMUM LIFT THICKNESS |
| NATURAL AND RE-COMPACTED SUBGRADE | MIN 95% COMPACTION |

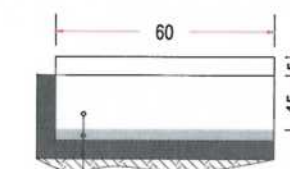
DET-04 SIDEWALK MATERIAL DETAIL SCALE:NTS

| | |
|------------------|--|
| CULTIVATION SOIL | 500MM CULTIVATION SOIL SUITABLE FOR TREES, FLOWERS, PLANTS AND GRASS |
| NATURAL SOIL | NATURAL SOIL WITHOUT STONE FRAGMENT LARGER THAN 370MM |

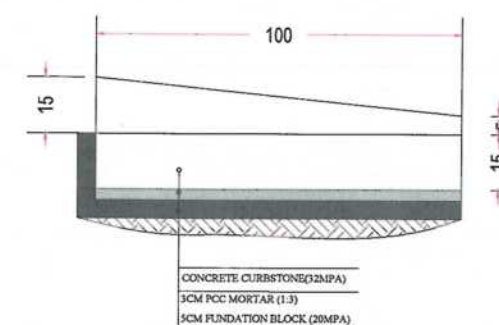
DET-03 GREEN AREA MATERIAL DETAIL SCALE:NTS

| | |
|--|--|
| PCC FINISHING LAYER | 100MM WELL MIXED PLAIN CONCRETE PCC LAYER M 25MPA |
| GRANULAR AGGREGATE BASE COURSE (35% MIN CBR) | 100mm @ 95% COMPACTION 100mm MAXIMUM LIFT THICKNESS |
| NATURAL SCARIFIED AND RE-COMPACTED SUBGRADE | MIN 95% COMPACTION |

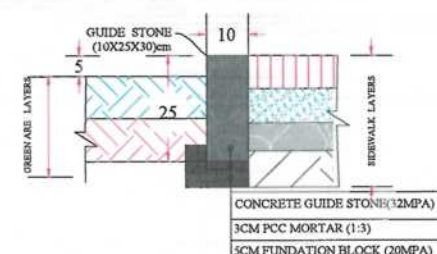
DRAINAGE OPENING AT GREEN AREA, MATERIAL DETAIL SCALE:NTS



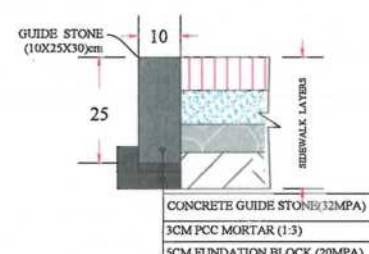
CURB STONE TYPE C DETAIL INFRONT OF ACCESS SCALE:NTS



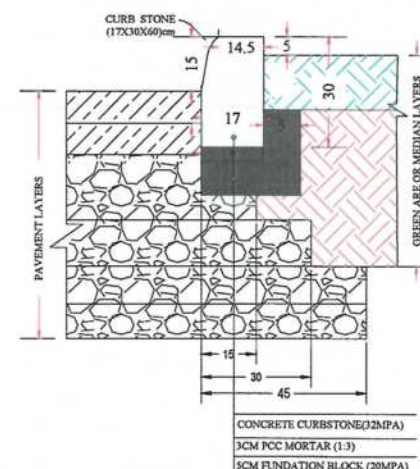
CURB STONE TYPE B DETAIL INFRONT OF ACCESS SCALE:NTS



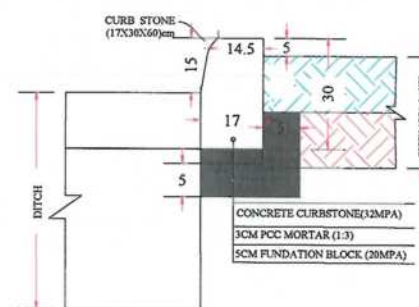
DET-06 GUIDE STONE DETAIL A SCALE:NTS



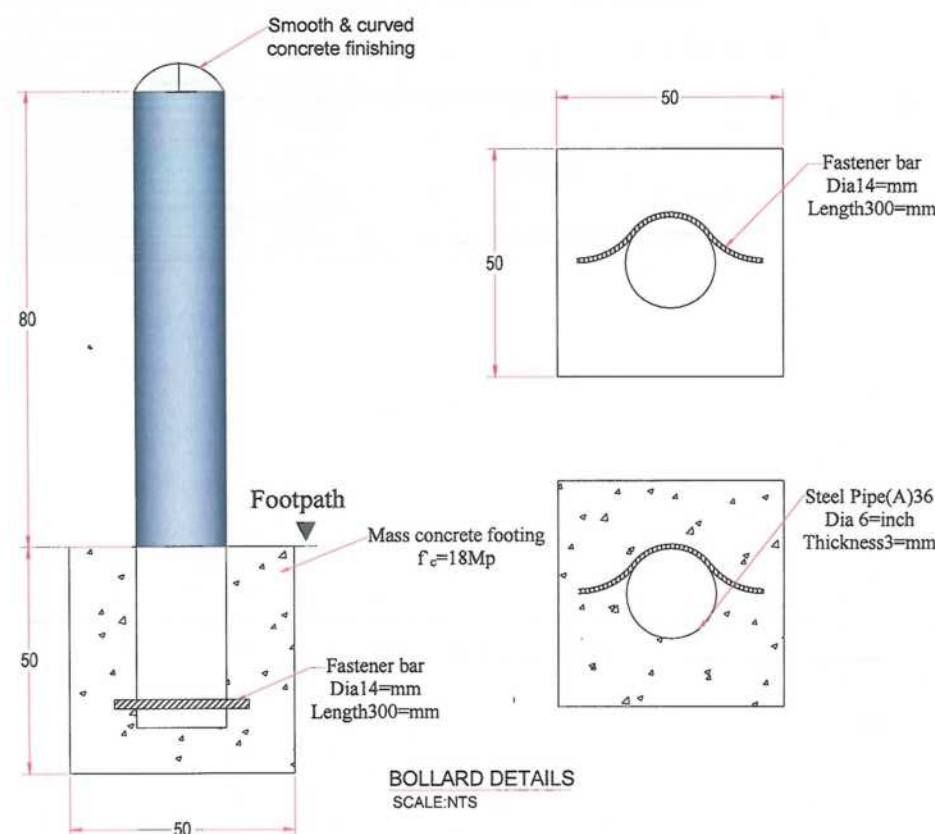
DET-06 GUIDE STONE DETAIL SCALE:NTS



DET-05 CURB STONE TYPE A DETAIL SCALE:NTS



DET-05 CURB STONE TYPE A DETAIL A SCALE:NTS



BOLLARD DETAILS SCALE:NTS

NOTE:

REPLACED AND EMBANKMENT MATERIAL:

REPLACED OR EMBANKMENT MATERIAL SHALL CONSIST OF SELECT GRANULAR OR SATISFACTORY MATERIAL AND SHALL CONFORM TO SECTION 2, PARAGRAPH 205 OF CONSTRUCTION SPECIFICATION.

REPLACED OR EMBANKMENT LAYER SHALL BE COMPACTED TO A MIN 97% LABORATORY MAXIMUM DRY DENSITY WITH OMC TOLERANCE OF 2% WHEN TESTED IN ACCORDANCE WITH AASHTO T 180 METHOD D AND CORRECTED WITH AASHTO T 224.

THE MAXIMUM SIZE OF THESE MATERIAL SHALL BE LIMITED TO 75MM AS DEFINED BY THE TECHNICAL SPECIFICATION.

GEOTECHNICAL REPORT WILL BE GIVEN FOR MORE DETAILS UPON THE REQUEST OR IF NEEDED.

SUBGRADE:

SUBGRADE PREPARATION SHALL CONFORM TO SECTION 2, PARAGRAPH 205 OF CONSTRUCTION SPECIFICATION.

FOR THE CONSTRUCTION OF NATURAL SUBGRADE, THE SURFACE SHALL BE SCARIFIED TO A MINIMUM OF 150MM AND RE-COMPACTED UP TO 95% OF MOD WITH OMC TOLERANCE OF 2% WHEN TESTED IN ACCORDANCE AASHTO T 180 METHOD D AND CORRECTED WITH AASHTO T 224.

THE COMPACTED SUBGRADE SHALL BE CONSTRUCTED FROM BORROW MATERIAL (SELECT GRANULAR MATERIAL) WITH A MIN CBR OF 18% & COMPACTED TO 97% DENSITY AS DEFINED BY THE GEOTECHNICAL INVESTIGATION REPORT.

IF DURING SUBGRADE PREPARATION FACED WITH NON-SUITABLE MATERIAL, IT SHALL BE REMOVED AND REPLACED WITH SATISFACTORY OR SELECTED GRANULAR MATERIAL.

NOTE:

1. All dimensions are in centimeters (cm) unless otherwise indicated.
2. The pavement design and Geotechnical report has been done by ATECH.



Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: DETAILS DRAWING

Designed by: Robullah Ata Signature: [Signature]

Drawn by: Robullah Ata Signature: [Signature]

Checked by: M. Essa Sirt Signature: [Signature]

Checked by: Habibullah Shalizi Signature: [Signature]

Date: 7/29/2023 Scale: As Shown

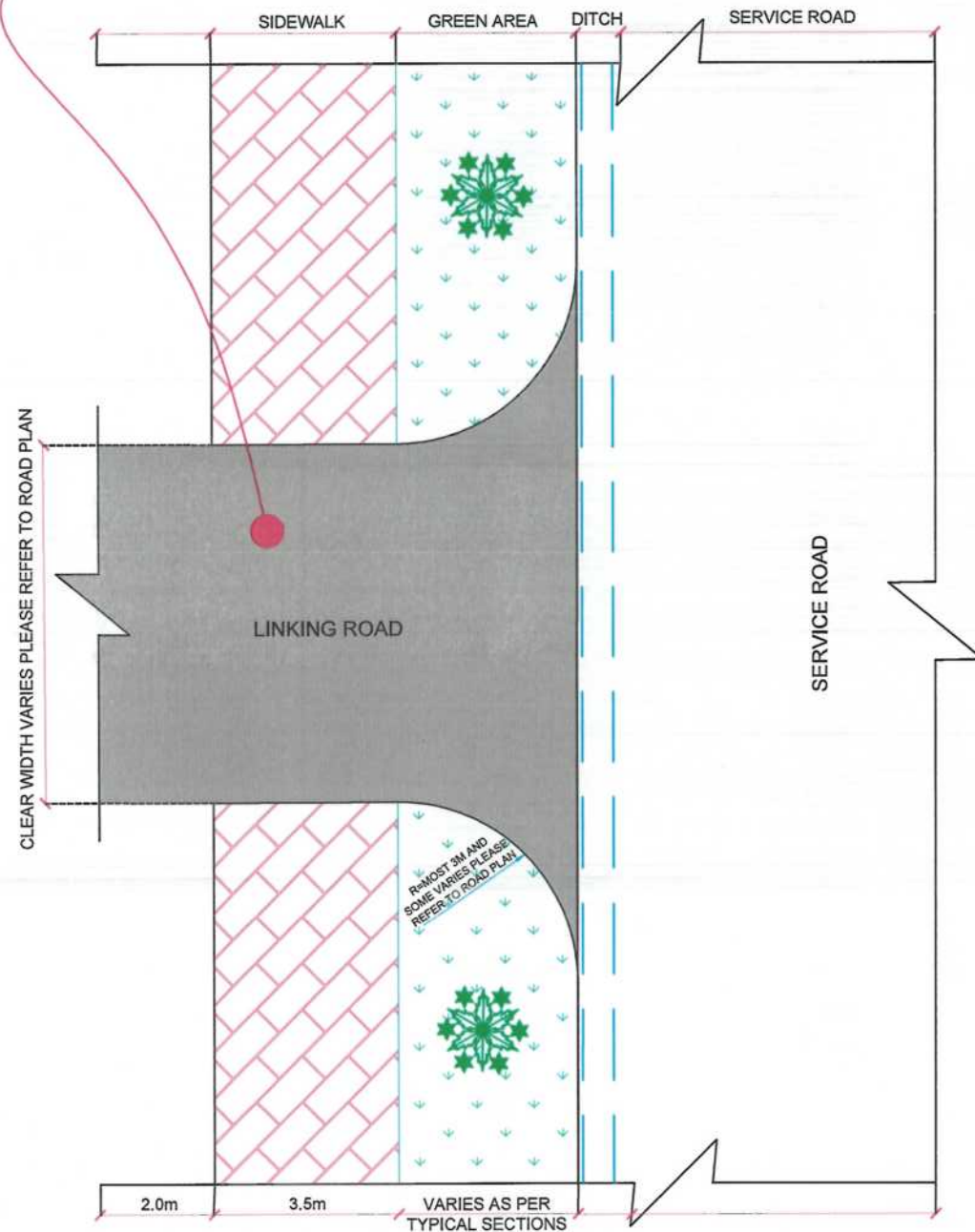
Status: FINAL DESIGN

Drawing Number: D-D-01 Revision: 01

| | |
|------------------------------------|--|
| PCC FINISHING LAYER | 150MM WELL MIXED PLAIN CONCRETE PCC LAYER. M-250 |
| GRANULAR AGGREGATE BASE COURSE | 150MM THICKNESS WITH 95% COMPACTION |
| NATURAL AND RE-COMPACTED SUB GRADE | SUB GRADE SHOULD BE 95% COMPACTED |

LINKING ROAD PAVEMENT MATERIALS

NOTE: Only Link Road#14 Left side, Inside the right of way of the Road should have Asphalt Pave repairing and the Island should be construct, please refer to the road plan.



LEFT SIDE LINKING ROAD DETAILS

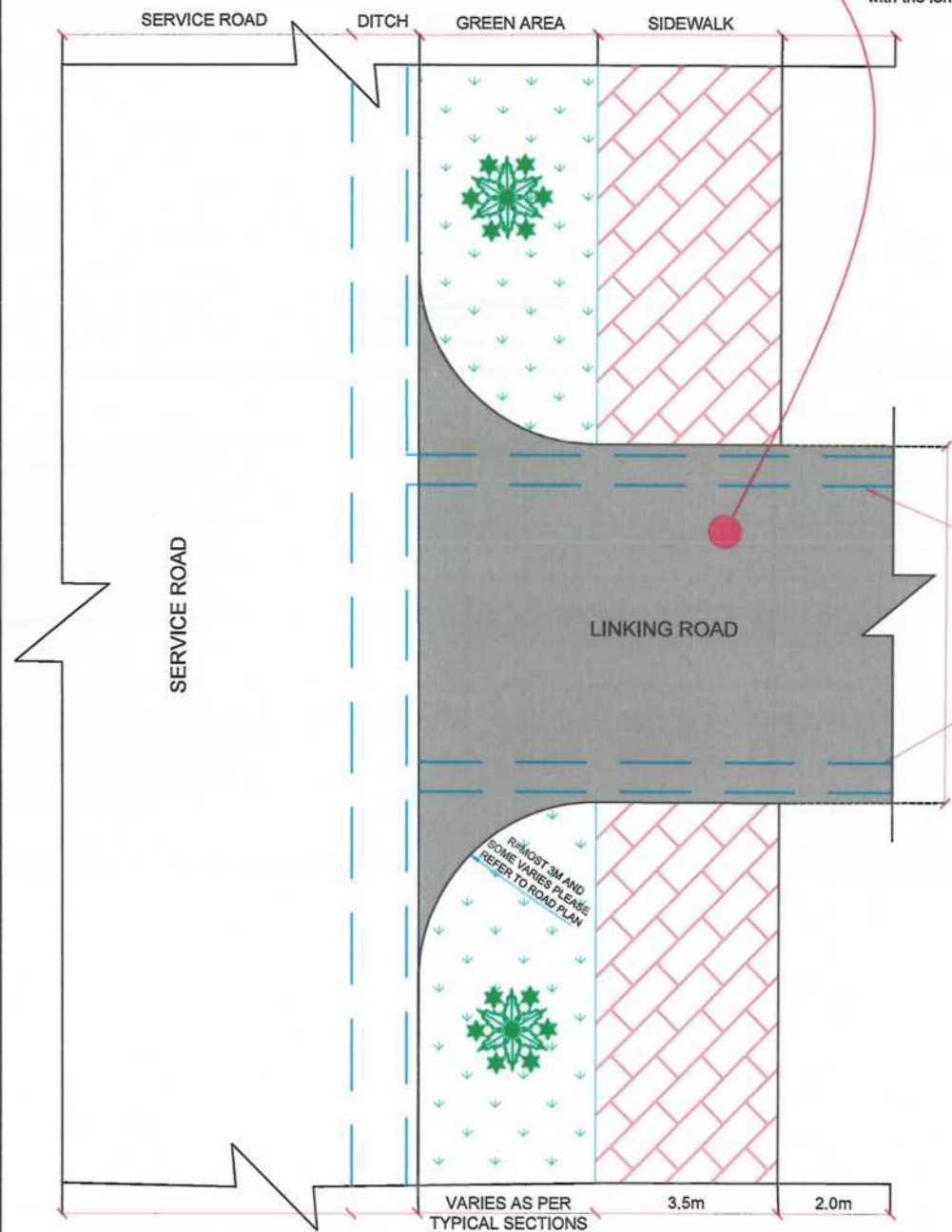
SCALE: NTS

NOTE: THIS DETAIL CAN BE USED IN PUMP STATION ACCESS ALSO.

| | |
|------------------------------------|--|
| PCC FINISHING LAYER | 150MM WELL MIXED PLAIN CONCRETE PCC LAYER. M-250 |
| GRANULAR AGGREGATE BASE COURSE | 150MM THICKNESS WITH 95% COMPACTION |
| NATURAL AND RE-COMPACTED SUB GRADE | SUB GRADE SHOULD BE 95% COMPACTED |

LINKING ROAD PAVEMENT MATERIALS

NOTE: Only Link Road#36 Right Side, Inside the right of way of the Road should have PCC Paved and after the right of way, with the length of 5m should be properly grade and adjust, (Base preparation)



RIGHT SIDE LINKING ROAD DETAILS

SCALE: NTS

NOTE: THIS DETAIL CAN BE USED IN PUMP STATION ACCESS ALSO.

NOTE:
1. All dimensions are in centimeters (cm) unless otherwise indicated.
2. All linking roads and linking ditches should be properly adjusted and connected to the proposed road and ditch properly as per site.



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
RIGHT & LEFT SIDES LINK ROADS PLAN AND DETAILS

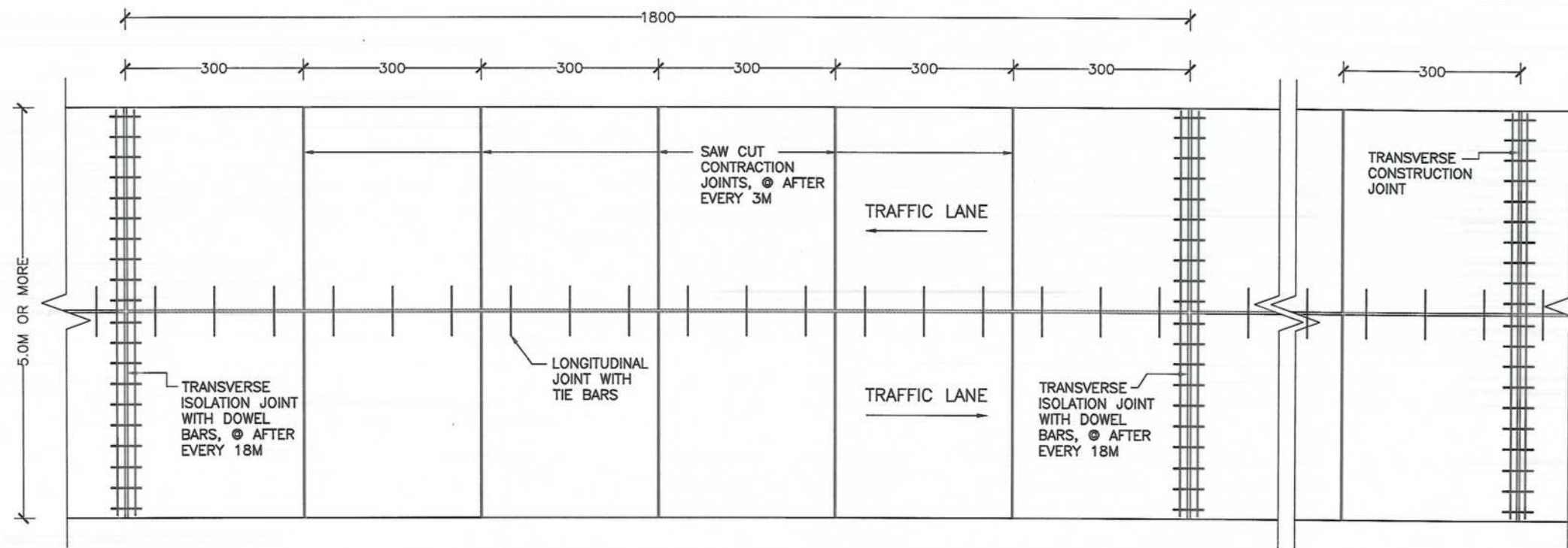
| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Easa Sirat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date:
7/29/2023

Scale:
As Shown A3

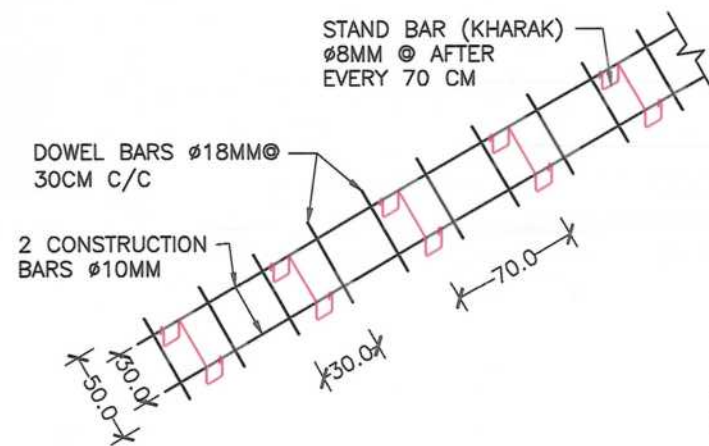
Status:
FINAL DESIGN

| Drawing Number | Revision |
|----------------|----------|
| R&L-S-L-R-P-D | 01 |

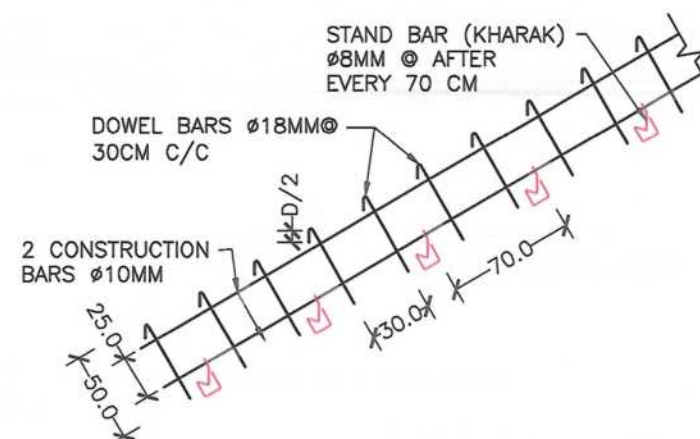


NOTE-1: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS THAT HAVE 5.0M OR MORE TRANSVERSE WIDTH, AND TRANSFER W18 (18 Kips) LOADED IN ONE LANE TWO DIRECTION.

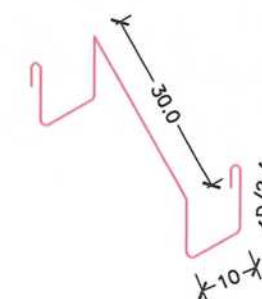
01 PLAN VIEW
SCALE- AS SHOWN



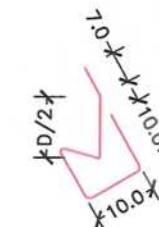
02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN



04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN

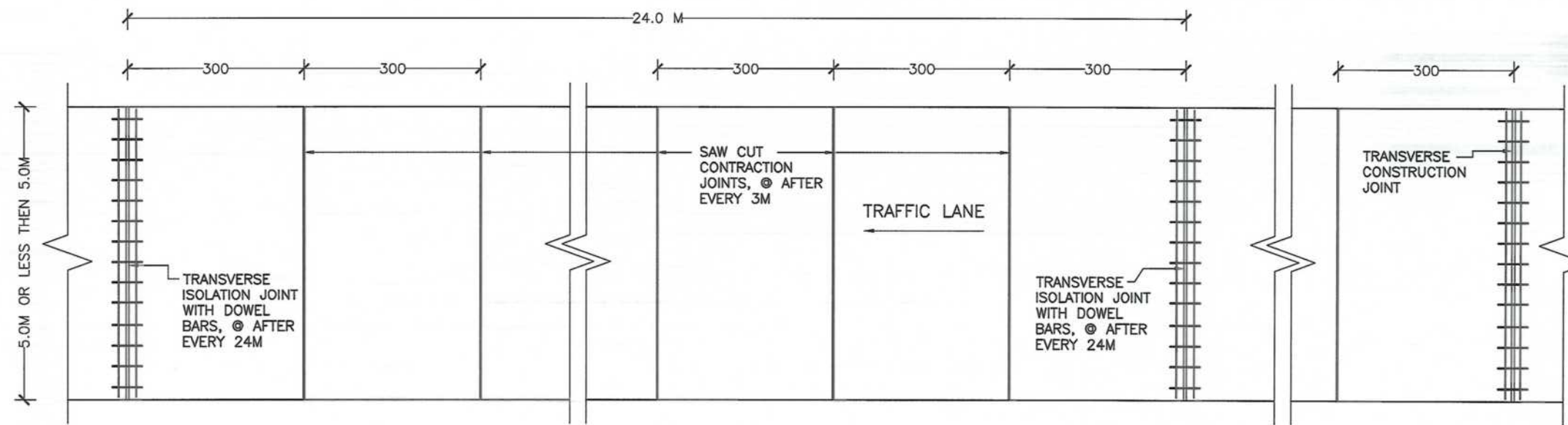


05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

NOTE:

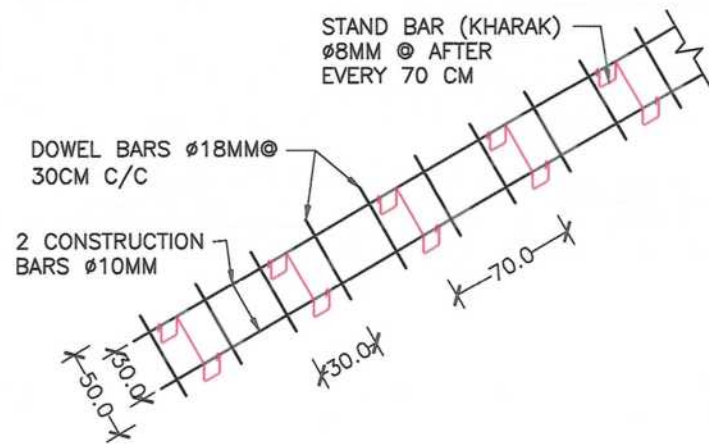
- 1) FOR MORE DETAILS PLEASE SEE PCC PAVEMENT JOINTS SECTION DETAILS.
- 2) TRANSVERSE JOINTS LENGTH MUST BE ACCORDING TO PAVEMENT CROSS WIDTH.
- 3) REMOVE WOODEN PANEL, ONE SIDE CONSTRUCTION BAR AND STAND (KHARAK) FROM CONSTRUCTION JOINT.
- 4) ALL UNITS ARE IN CM.

| | |
|---|-----------------|
| NOTE: 1. All dimensions are in centimeters unless otherwise indicated. | |
| LEGENDS | |
| | |
| ISLAMIC EMIRATE OF AFGHANISTAN | |
| Designed By: | |
| KABUL MUNICIPALITY DESIGN TEAM | |
| Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIR KHANA MINA ROAD | |
| Drawing Title: JOINT DETAIL | |
| Designed: Rohullah Ata | Signature: |
| Drawn: Rohullah Ata | Signature: |
| Checked: M.Essa Sirat | Signature: |
| Checked: Hasibullah Shalizi | Signature: |
| Date: 29/07/2023 | Scale: as shown |
| Status: FINAL DESIGN | |
| Project Code: | |
| SHEET NO. J-D-01 | Revision 01 |

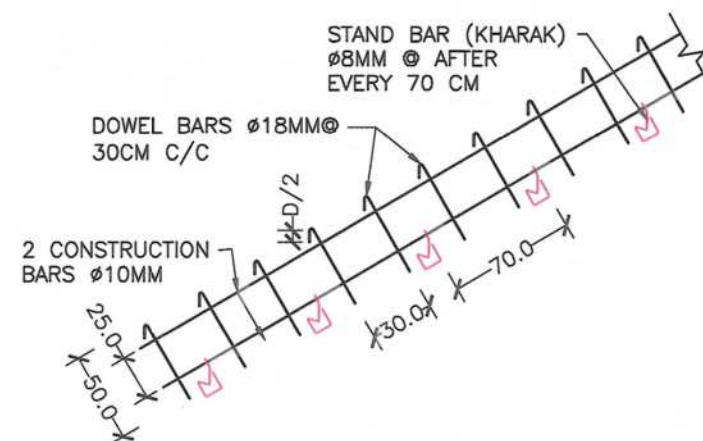


NOTE: JOINTS PLAN VIEW FOR THE PCC PAVEMENTS THAT HAVE LESS THEN 5.0M TRANSVERSE WIDTH

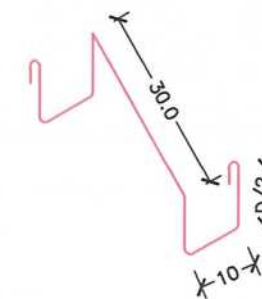
01 PLAN VIEW
SCALE- AS SHOWN



02 ISOLATION JOINT REINFORCEMENT
SCALE- AS SHOWN



03 CONSTRUCTION JOINT REINFORCEMENT
SCALE- AS SHOWN



04 ISOLATION JOINT STAND DETAIL
SCALE- AS SHOWN



05 CONSTRUCTION JOINT STAND DETAIL
SCALE- AS SHOWN

NOTE:

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

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



Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIR KHANA MINA ROAD

Drawing Title:

JOINT DETAIL

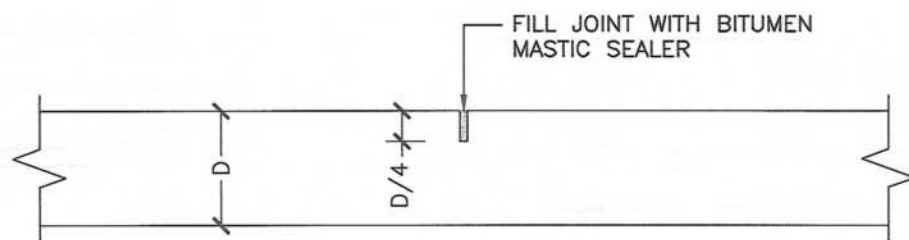
Designed: Rohullah Ata
Drawn: Rohullah Ata
Checked: M. Essa Sirt
Checked: Hamidullah Sheh
Signature: [Signatures]

Date: 7/29/2023 Scale: as shown

Status: FINAL DESIGN

Project Code

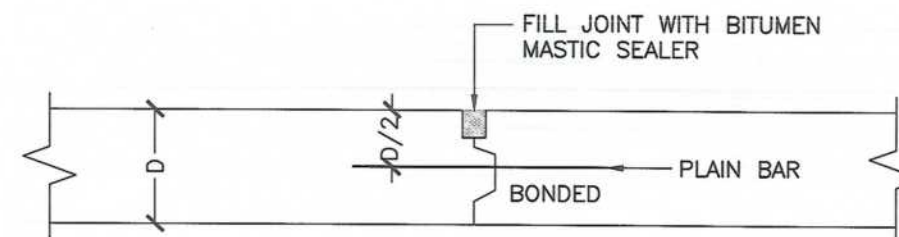
SHEET NO. J-D-02 Revision 01



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

NOTE-1:

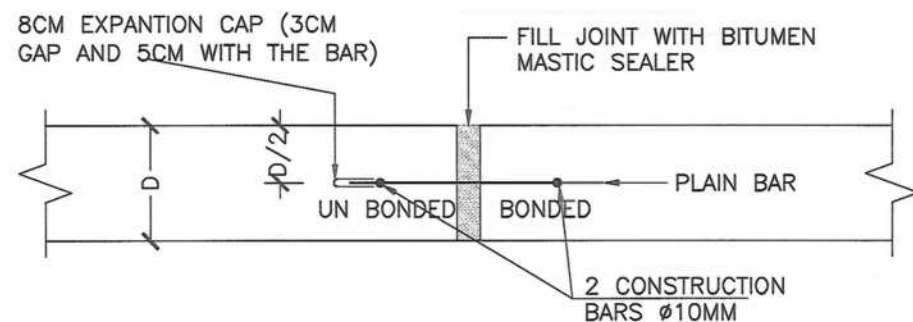
- 1) FORM JOINTS BY SAW CUTTING
- 2) SPACING OF CONTRACTION JOINTS @ AFTER EVERY 3 METER
- 3) FILL JOINTS WITH BITUMEN MASTIC SEALER TO PREVENT WATER PENETRATION IN TO PAVEMENTS
- 4) JOINT WIDTH = 0.5-1.0 CM



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

NOTE-2:

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



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

NOTE-3:

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

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

LEGENDS

Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIR KHANA MINA ROAD

Drawing Title: JOINT DETAIL

Drawn: Rohullah Ata Signature:

Designed: Rohullah Ata Signature:

Checked: M. Eesa Sirat Signature:

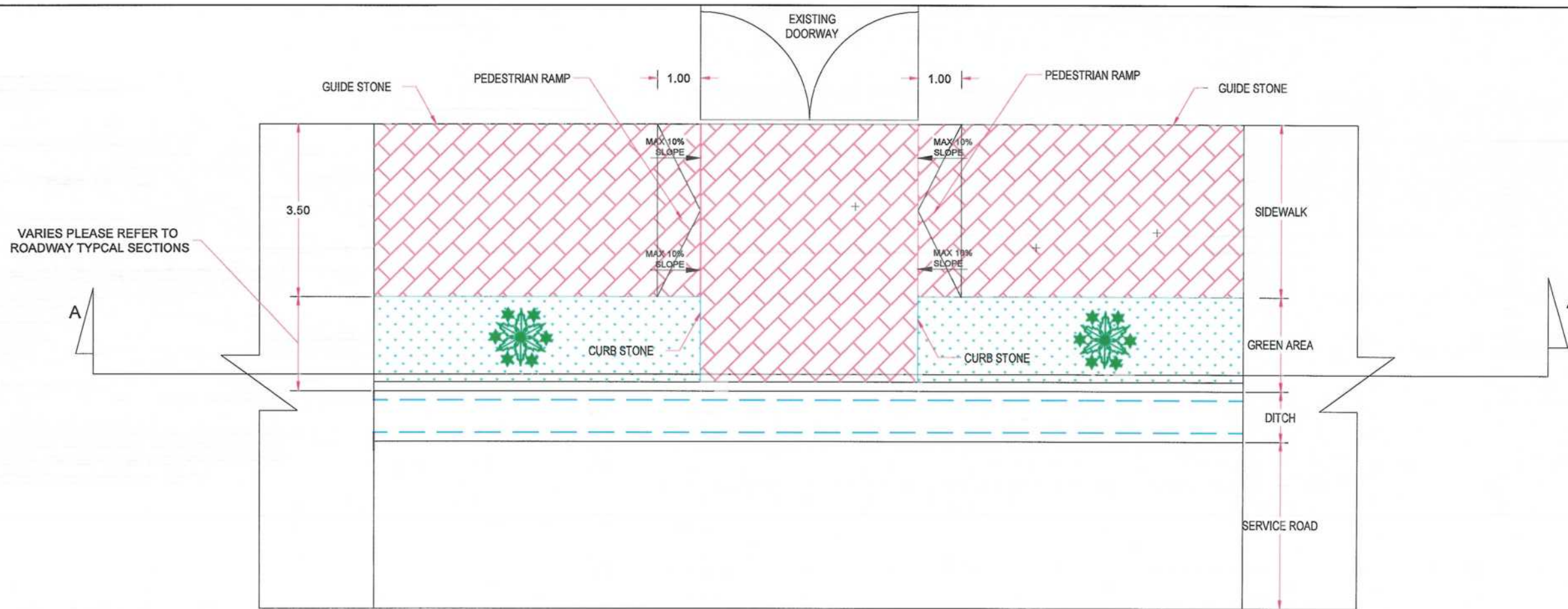
Checked: Hasibullah Shalizi Signature:

Date: 29/07/2023

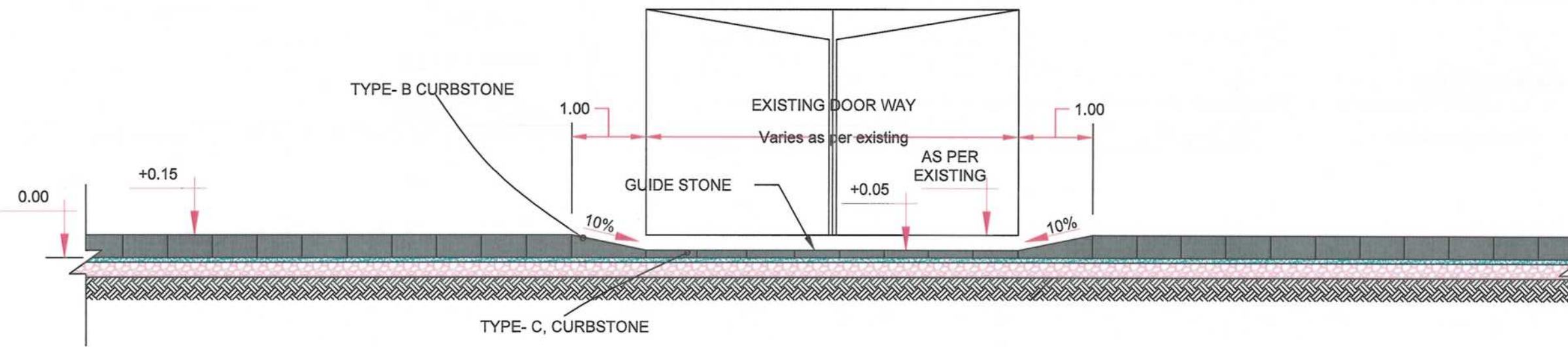
Status: FINAL DESIGN

Project Code:

SHEET NO. J-D-03 Revision 01



01 EXISTING DOORS ACCESS WAYS (FOR EACH RESIDENTIAL HOUSES)
SCALE: NTS



02 Door way Typical View
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:



Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

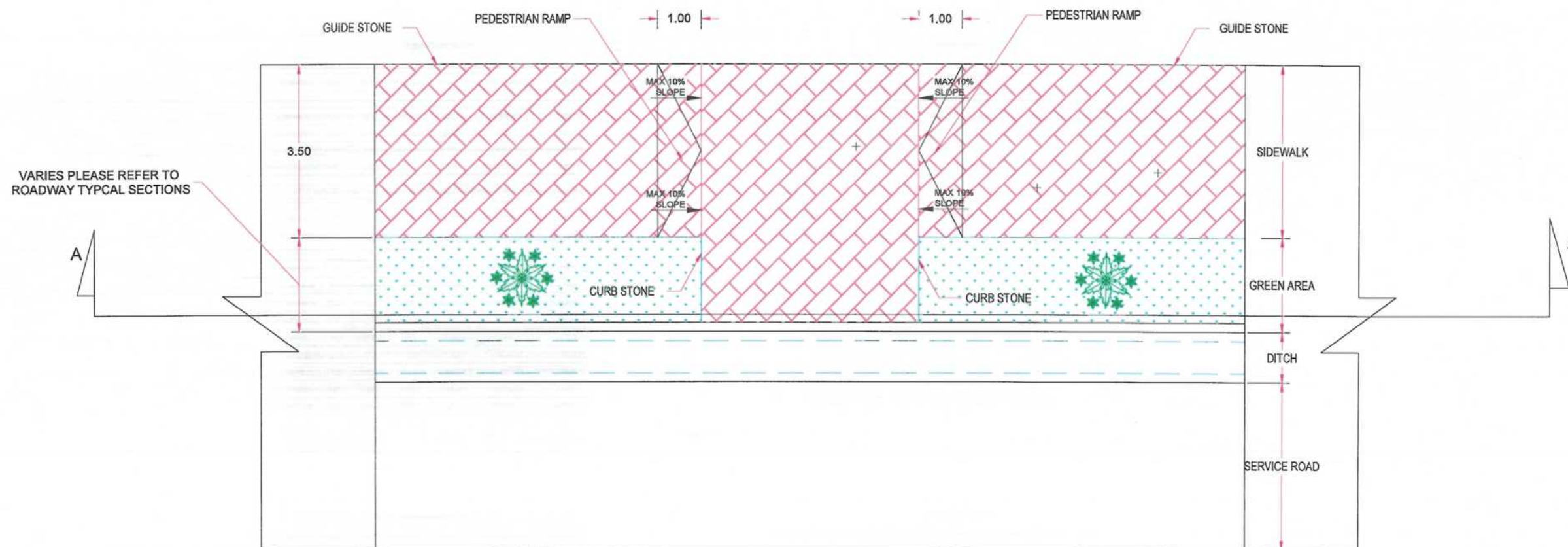
Door Entrance Details

| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirt | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

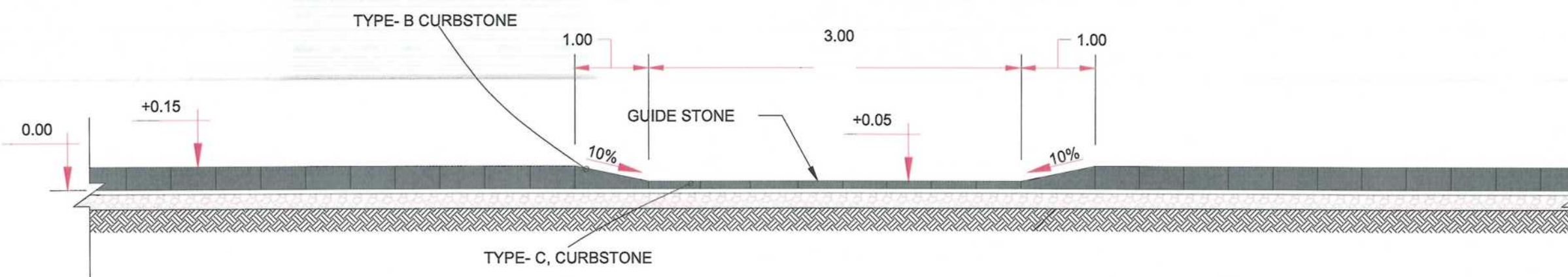
Date: 10/10/2023 Scale: As Shown

Status: FINAL DESIGN

| Revision |
|----------|
| 01 |



PEDESTRIAN CROSSING ACCESS WAYS PLAN
SCALE: NTS



PEDESTRIAN CROSSING ACCESS WAYS SECTION
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:



Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

PEDESTRIAN CROSSING ACCESS WAY DETAILS

| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Essa Sirat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 10/10/2023 Scale: As Shown

Status: FINAL DESIGN

| Revision |
|----------|
| 01 |

| Station | Northing | Easting | Tangential Direction |
|----------|-----------------|---------------|----------------------|
| 0+000.00 | 3,826,839.8117m | 508,234.3803m | N38° 06' 43"W |
| 0+020.00 | 3,826,855.5478m | 508,222.0363m | N38° 06' 43"W |
| 0+040.00 | 3,826,871.2839m | 508,209.6923m | N38° 06' 43"W |
| 0+060.00 | 3,826,887.0200m | 508,197.3483m | N38° 06' 43"W |
| 0+080.00 | 3,826,902.7561m | 508,185.0042m | N38° 06' 43"W |
| 0+100.00 | 3,826,918.4922m | 508,172.6602m | N38° 06' 43"W |
| 0+120.00 | 3,826,934.2283m | 508,160.3162m | N38° 06' 43"W |
| 0+140.00 | 3,826,949.9644m | 508,147.9722m | N38° 06' 43"W |
| 0+160.00 | 3,826,965.7005m | 508,135.6282m | N38° 06' 43"W |
| 0+180.00 | 3,826,981.4366m | 508,123.2841m | N38° 06' 43"W |
| 0+200.00 | 3,826,997.1727m | 508,110.9401m | N38° 06' 43"W |
| 0+220.00 | 3,827,012.9088m | 508,098.5961m | N38° 06' 43"W |
| 0+240.00 | 3,827,028.6449m | 508,086.2521m | N38° 06' 43"W |
| 0+260.00 | 3,827,044.3811m | 508,073.9080m | N38° 06' 43"W |
| 0+280.00 | 3,827,060.1172m | 508,061.5640m | N38° 06' 43"W |
| 0+300.00 | 3,827,075.8533m | 508,049.2200m | N38° 06' 43"W |
| 0+320.00 | 3,827,091.5894m | 508,036.8760m | N38° 06' 43"W |
| 0+340.00 | 3,827,107.3255m | 508,024.5319m | N38° 06' 43"W |
| 0+360.00 | 3,827,123.0611m | 508,012.1949m | N37° 41' 54"W |
| 0+380.00 | 3,827,139.2399m | 508,000.4338m | N34° 21' 08"W |
| 0+400.00 | 3,827,156.0717m | 507,989.6366m | N31° 00' 22"W |
| 0+420.00 | 3,827,173.5049m | 507,979.8403m | N27° 39' 36"W |
| 0+440.00 | 3,827,191.4803m | 507,971.0783m | N24° 18' 49"W |
| 0+460.00 | 3,827,209.7629m | 507,962.9698m | N23° 53' 27"W |
| 0+480.00 | 3,827,228.0492m | 507,954.8699m | N23° 53' 27"W |
| 0+500.00 | 3,827,246.3356m | 507,946.7700m | N23° 53' 27"W |
| 0+520.00 | 3,827,264.6220m | 507,938.6701m | N23° 53' 27"W |
| 0+540.00 | 3,827,282.9084m | 507,930.5702m | N23° 53' 27"W |
| 0+560.00 | 3,827,301.1947m | 507,922.4703m | N23° 53' 27"W |
| 0+580.00 | 3,827,319.4811m | 507,914.3704m | N23° 53' 27"W |
| 0+600.00 | 3,827,337.7675m | 507,906.2705m | N23° 53' 27"W |
| 0+620.00 | 3,827,356.0539m | 507,898.1706m | N23° 53' 27"W |
| 0+640.00 | 3,827,374.3402m | 507,890.0707m | N23° 53' 27"W |
| 0+660.00 | 3,827,392.6266m | 507,881.9708m | N23° 53' 27"W |
| 0+680.00 | 3,827,410.9130m | 507,873.8709m | N23° 53' 27"W |
| 0+700.00 | 3,827,429.1994m | 507,865.7710m | N23° 53' 27"W |
| 0+720.00 | 3,827,447.4858m | 507,857.6711m | N23° 53' 27"W |
| 0+740.00 | 3,827,465.7721m | 507,849.5712m | N23° 53' 27"W |
| 0+760.00 | 3,827,484.0585m | 507,841.4713m | N23° 53' 27"W |
| 0+780.00 | 3,827,502.3449m | 507,833.3714m | N23° 53' 27"W |
| 0+800.00 | 3,827,520.6278m | 507,825.2636m | N23° 59' 42"W |
| 0+820.00 | 3,827,538.8837m | 507,817.0955m | N24° 12' 53"W |
| 0+840.00 | 3,827,557.1083m | 507,808.8574m | N24° 26' 03"W |
| 0+860.00 | 3,827,575.3162m | 507,800.5827m | N24° 26' 24"W |
| 0+880.00 | 3,827,593.5241m | 507,792.3079m | N24° 26' 24"W |
| 0+900.00 | 3,827,611.7321m | 507,784.0331m | N24° 26' 24"W |
| 0+920.00 | 3,827,629.9400m | 507,775.7584m | N24° 26' 24"W |
| 0+940.00 | 3,827,648.1479m | 507,767.4836m | N24° 26' 24"W |
| 0+960.00 | 3,827,666.3558m | 507,759.2089m | N24° 26' 24"W |
| 0+980.00 | 3,827,684.5637m | 507,750.9341m | N24° 26' 24"W |
| 1+000.00 | 3,827,702.7717m | 507,742.6593m | N24° 26' 24"W |

| | | | |
|----------|-----------------|---------------|---------------|
| 1+020.00 | 3,827,720.9798m | 507,734.3850m | N24° 24' 57"W |
| 1+040.00 | 3,827,739.2057m | 507,726.1499m | N24° 12' 53"W |
| 1+060.00 | 3,827,757.4603m | 507,717.9788m | N24° 00' 49"W |
| 1+080.00 | 3,827,775.7435m | 507,709.8718m | N23° 48' 45"W |
| 1+100.00 | 3,827,794.0551m | 507,701.8289m | N23° 36' 42"W |
| 1+120.00 | 3,827,812.3947m | 507,693.8504m | N23° 24' 38"W |
| 1+140.00 | 3,827,830.7623m | 507,685.9363m | N23° 12' 34"W |
| 1+160.00 | 3,827,849.1575m | 507,678.0867m | N23° 00' 30"W |
| 1+180.00 | 3,827,867.5801m | 507,670.3017m | N22° 48' 26"W |
| 1+200.00 | 3,827,886.0247m | 507,662.5690m | N22° 36' 51"W |
| 1+220.00 | 3,827,904.4713m | 507,654.8409m | N22° 24' 51"W |
| 1+240.00 | 3,827,922.9179m | 507,647.1128m | N22° 12' 51"W |
| 1+260.00 | 3,827,941.3645m | 507,639.3847m | N22° 00' 51"W |
| 1+280.00 | 3,827,959.8111m | 507,631.6567m | N22° 48' 51"W |
| 1+300.00 | 3,827,978.2577m | 507,623.9286m | N22° 36' 51"W |
| 1+320.00 | 3,827,996.7043m | 507,616.2005m | N22° 24' 51"W |
| 1+340.00 | 3,828,015.1497m | 507,608.4696m | N22° 12' 27"W |
| 1+360.00 | 3,828,033.5182m | 507,600.5582m | N23° 00' 44"W |
| 1+380.00 | 3,828,051.7619m | 507,592.3631m | N24° 38' 02"W |
| 1+400.00 | 3,828,069.8764m | 507,583.8862m | N25° 31' 19"W |
| 1+420.00 | 3,828,087.8573m | 507,575.1296m | N26° 24' 36"W |
| 1+440.00 | 3,828,105.7003m | 507,566.0953m | N27° 17' 53"W |
| 1+460.00 | 3,828,123.4011m | 507,556.7855m | N28° 11' 11"W |
| 1+480.00 | 3,828,140.9555m | 507,547.2025m | N29° 04' 28"W |
| 1+500.00 | 3,828,158.3909m | 507,537.4041m | N29° 23' 31"W |
| 1+520.00 | 3,828,175.8166m | 507,527.5885m | N29° 23' 31"W |
| 1+540.00 | 3,828,193.2423m | 507,517.7729m | N29° 23' 31"W |
| 1+560.00 | 3,828,210.6679m | 507,507.9574m | N29° 23' 31"W |
| 1+580.00 | 3,828,228.0936m | 507,498.1418m | N29° 23' 31"W |
| 1+600.00 | 3,828,245.5400m | 507,488.3633m | N28° 41' 36"W |
| 1+620.00 | 3,828,263.2482m | 507,479.0693m | N26° 41' 29"W |
| 1+640.00 | 3,828,281.2703m | 507,470.3996m | N24° 41' 22"W |
| 1+660.00 | 3,828,299.5842m | 507,462.3647m | N22° 41' 15"W |
| 1+680.00 | 3,828,318.1523m | 507,454.9349m | N21° 23' 03"W |
| 1+700.00 | 3,828,336.7755m | 507,447.6426m | N21° 23' 03"W |
| 1+720.00 | 3,828,355.3986m | 507,440.3502m | N21° 23' 03"W |
| 1+740.00 | 3,828,374.0218m | 507,433.0579m | N21° 23' 03"W |
| 1+760.00 | 3,828,392.6452m | 507,425.7661m | N21° 16' 57"W |
| 1+780.00 | 3,828,411.4486m | 507,418.9576m | N18° 31' 38"W |
| 1+800.00 | 3,828,430.5575m | 507,413.0609m | N15° 46' 18"W |
| 1+820.00 | 3,828,449.9278m | 507,408.0896m | N13° 00' 58"W |
| 1+840.00 | 3,828,469.5147m | 507,404.0553m | N10° 15' 39"W |
| 1+860.00 | 3,828,489.2729m | 507,400.9666m | N7° 36' 25"W |
| 1+880.00 | 3,828,509.0969m | 507,398.3191m | N7° 36' 25"W |
| 1+900.00 | 3,828,528.9209m | 507,395.6716m | N7° 36' 25"W |
| 1+920.00 | 3,828,548.7448m | 507,393.0241m | N7° 36' 25"W |
| 1+940.00 | 3,828,568.5688m | 507,390.3766m | N7° 36' 25"W |
| 1+960.00 | 3,828,588.3928m | 507,387.7291m | N7° 36' 25"W |
| 1+980.00 | 3,828,608.2168m | 507,385.0817m | N7° 36' 25"W |
| 2+000.00 | 3,828,628.0408m | 507,382.4342m | N7° 36' 25"W |

| | | | |
|----------|-----------------|---------------|--------------|
| 2+020.00 | 3,828,647.8735m | 507,379.8538m | N6° 56' 24"W |
| 2+040.00 | 3,828,667.7498m | 507,377.6359m | N5° 47' 39"W |
| 2+060.00 | 3,828,687.6665m | 507,375.8160m | N4° 38' 53"W |
| 2+080.00 | 3,828,707.6139m | 507,374.3679m | N3° 55' 18"W |
| 2+100.00 | 3,828,727.5670m | 507,373.0000m | N3° 55' 18"W |
| 2+120.00 | 3,828,747.5202m | 507,371.6322m | N3° 55' 18"W |
| 2+140.00 | 3,828,767.4727m | 507,370.2555m | N4° 13' 05"W |
| 2+160.00 | 3,828,787.3931m | 507,368.4814m | N5° 57' 38"W |
| 2+180.00 | 3,828,807.2504m | 507,366.1024m | N7° 42' 11"W |
| 2+200.00 | 3,828,827.0275m | 507,363.1294m | N9° 08' 57"W |
| 2+220.00 | 3,828,846.7730m | 507,359.9493m | N9° 08' 57"W |
| 2+240.00 | 3,828,866.5186m | 507,356.7692m | N9° 08' 57"W |
| 2+260.00 | 3,828,886.2682m | 507,353.6148m | N8° 51' 36"W |
| 2+280.00 | 3,828,906.0444m | 507,350.6313m | N8° 17' 53"W |
| 2+300.00 | 3,828,925.8488m | 507,347.8420m | N7° 44' 10"W |
| 2+320.00 | 3,828,945.6797m | 507,345.2470m | N7° 10' 26"W |
| 2+340.00 | 3,828,965.5350m | 507,342.8467m | N6° 36' 43"W |
| 2+360.00 | 3,828,985.4130m | 507,340.6413m | N6° 03' 00"W |
| 2+380.00 | 3,829,005.3091m | 507,338.6051m | N5° 46' 38"W |
| 2+400.00 | 3,829,025.2075m | 507,336.5919m | N5° 46' 38"W |
| 2+420.00 | 3,829,045.1059m | 507,334.5788m | N5° 46' 38"W |
| 2+440.00 | 3,829,065.0043m | 507,332.5656m | N5° 46' 38"W |
| 2+460.00 | 3,829,084.9027m | 507,330.5524m | N5° 46' 38"W |
| 2+480.00 | 3,829,104.8012m | 507,328.5393m | N5° 46' 38"W |
| 2+500.00 | 3,829,124.6996m | 507,326.5261m | N5° 46' 38"W |
| 2+520.00 | 3,829,144.5980m | 507,324.5129m | N5° 46' 38"W |

NOTE:

LEGENDS



Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:



Designed by:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Alignment Stake Out Report

Geometric Designed by: Signature:

Rehullah Ata

Drawn by: Signature:

Rehullah Ata

Checked by: Signature:

M.Easa Sirat

Checked by: Signature:

Hanbulah Shalizi

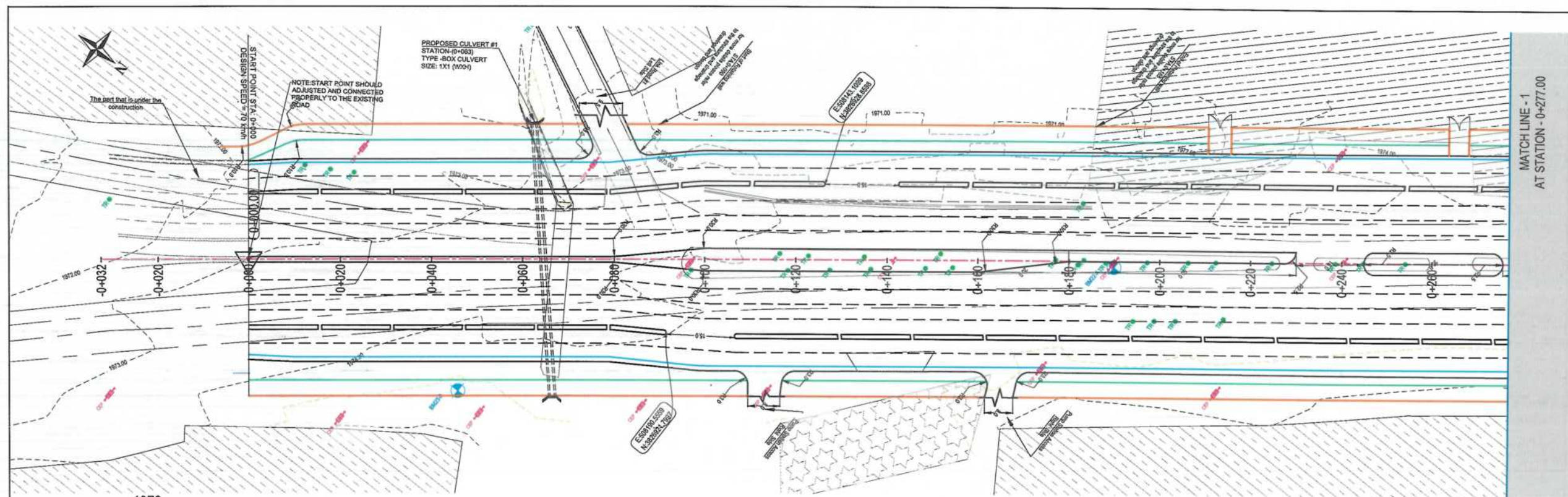
Status: FINAL DESIGN

Drawing Number

CL-S-O-R-01

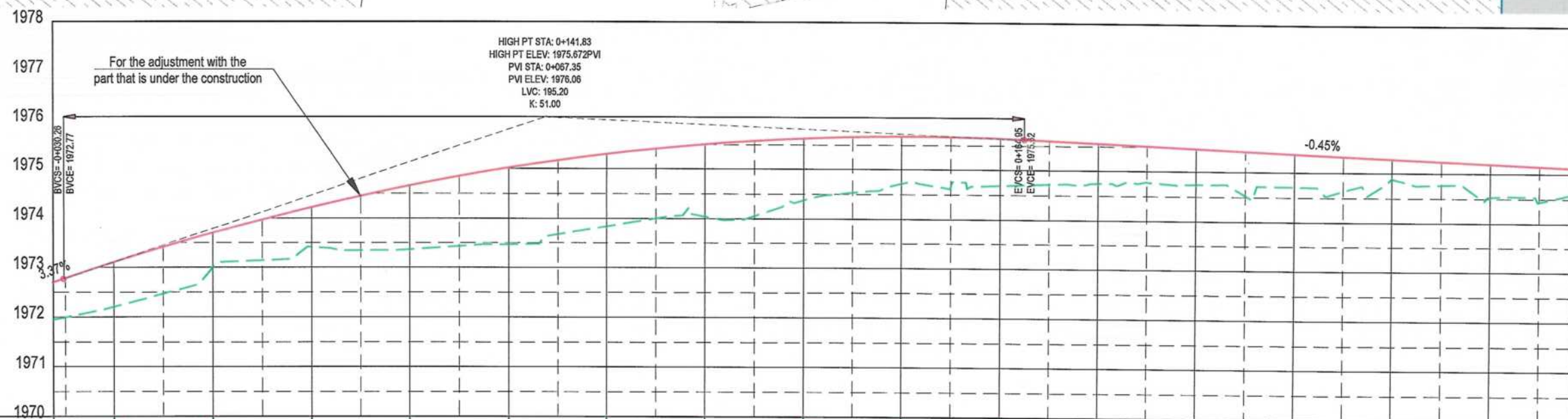
Revision

00



NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

- LEGENDS
- PROPOSED ROAD EDGE
 - GREEN AREA OUT
 - SIDE WALK OUT
 - PROPOSED RCC SIDE DRAIN
 - EXISTING ROAD
 - PROPOSED BOX CULVERT
 - EXISTING TREE
 - BENCHMARK
 - CONCRETE ELECTRIC POLE, EXISTING
 - EXISTING SURFACE
 - PROPOSED DESIGN PROFILE
 - EXISTING GROUND PROFILE
 - EXISTING HIGH VOLTAGE ELECTRICAL POLE
 - EXISTING BUILDINGS, HOUSES AND SHOPS
 - EXISTING PUMP STATION



| | | | | | | | | | | | | | | | | | |
|---------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FINISHED ELEVATION | 1973.456 | 1973.105 | 1973.700 | 1974.217 | 1974.659 | 1975.016 | 1975.298 | 1975.501 | 1975.628 | 1975.672 | 1975.640 | 1975.552 | 1975.481 | 1975.370 | 1975.280 | 1975.189 | 1975.112 |
| EXISTING ELEVATION | 1971.947 | 1972.202 | 1973.003 | 1973.409 | 1973.364 | 1973.464 | 1973.836 | 1974.038 | 1974.374 | 1974.714 | 1974.983 | 1974.742 | 1974.738 | 1974.707 | 1974.877 | 1974.927 | 1974.955 |
| STATION | 0+002.452 | 0+020 | 0+000 | 0+020 | 0+040 | 0+060 | 0+080 | 0+100 | 0+120 | 0+140 | 0+160 | 0+180 | 0+200 | 0+220 | 0+240 | 0+260 | 0+277 |
| HORIZONTAL GEOMETRY | <div>L=357.53</div> <div>L=357.53</div> | | | | | | | | | | | | | | | | |
| VERTICAL GEOMETRY | <div><div><div>0+0.07%</div><div>1+2.47</div></div><div><div>K=51.00</div><div>L=195.20</div></div><div><div>G=-0.45%</div><div>L=121.23</div></div></div> | | | | | | | | | | | | | | | | |
| SUPERELEVATION | <div>0.08%</div> | | | | | | | | | | | | | | | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

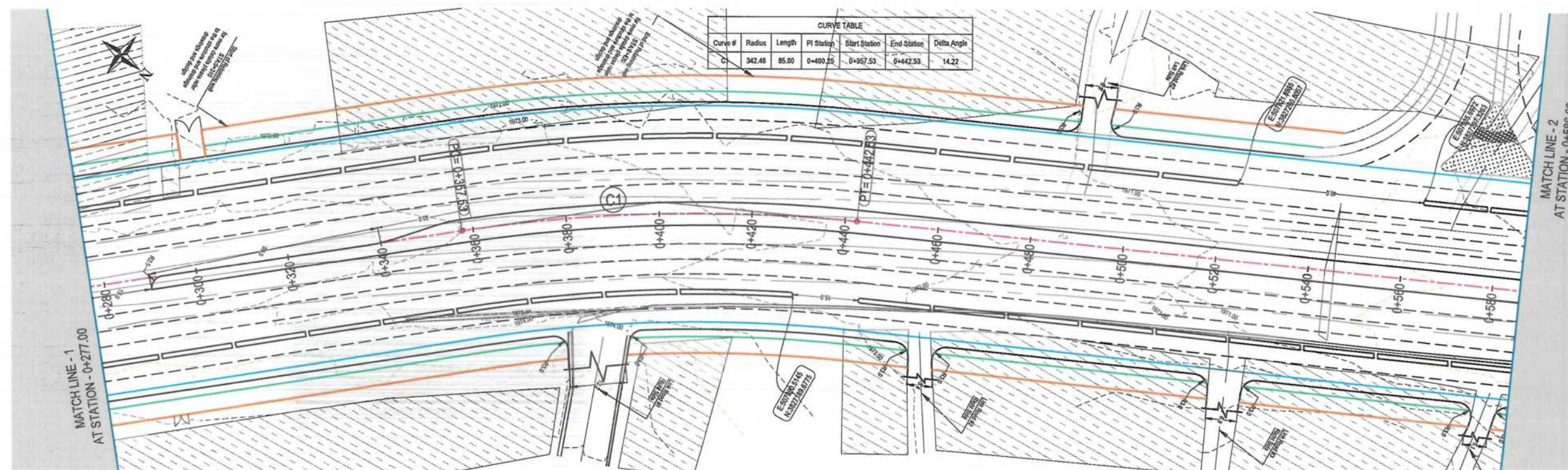
FINAL PLAN & PROFILE

Drawn by: Rohullah Ata
Geometric Design by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Hamidullah Shalizi

Date: 7/10/2023
Scale: A3: 1:1000
A4: 1:500

Status: FINAL DESIGN

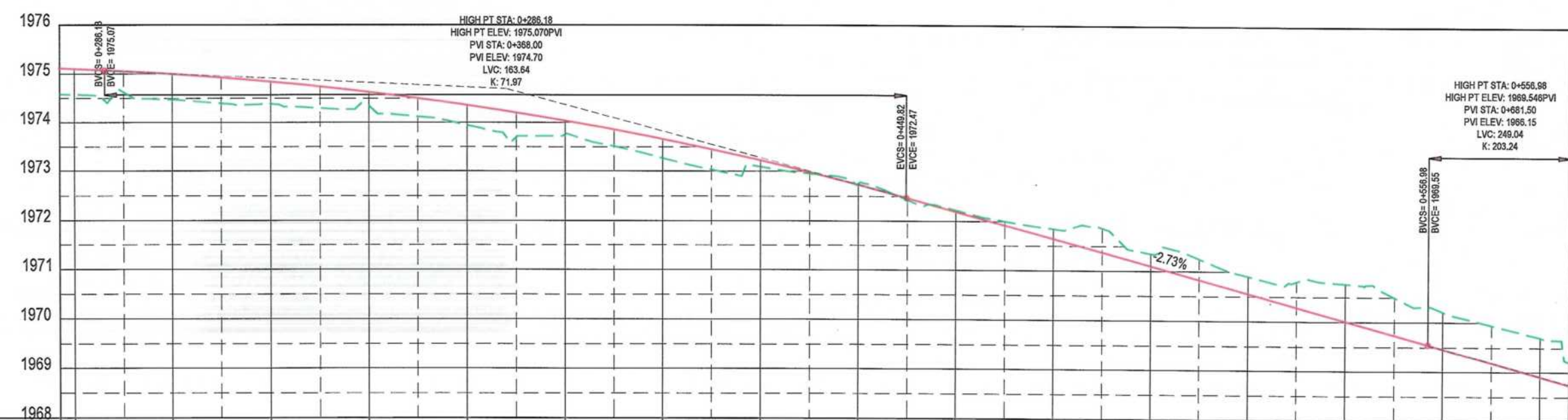
SHEET NO. PP-01
Revision: 01



| CURVE TABLE | | | | | |
|-------------|--------|--------|------------|---------------|-------------|
| Curve # | Radius | Length | PI Station | Start Station | End Station |
| 1 | 342.48 | 85.00 | 0+400.25 | 0+357.53 | 0+442.53 |
| 2 | 107.16 | 107.16 | 0+556.98 | 0+514.82 | 0+600.14 |

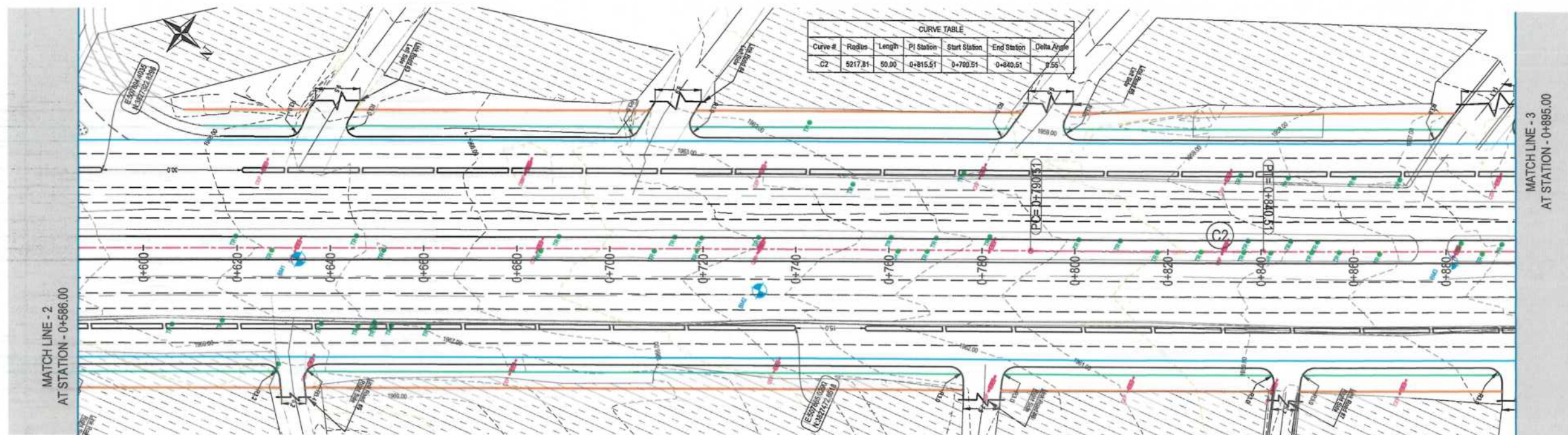
NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

- LEGENDS
- PROPOSED ROAD EDGE
 - GREEN AREA OUT
 - SIDE WALK OUT
 - PROPOSED RCC
 - SIDE DRAIN
 - EXISTING ROAD
 - PROPOSED BOX CULVERT
 - EXISTING TREE
 - BENCHMARK
 - CONCRETE ELECTRIC POLE, EXISTING
 - EXISTING SURFACE
 - PROPOSED DESIGN PROFILE
 - EXISTING GROUND PROFILE
 - EXISTING HIGH VOLTAGE ELECTRICAL POLE
 - EXISTING BUILDINGS, HOUSES AND SHOPS
 - EXISTING PUMP STATION



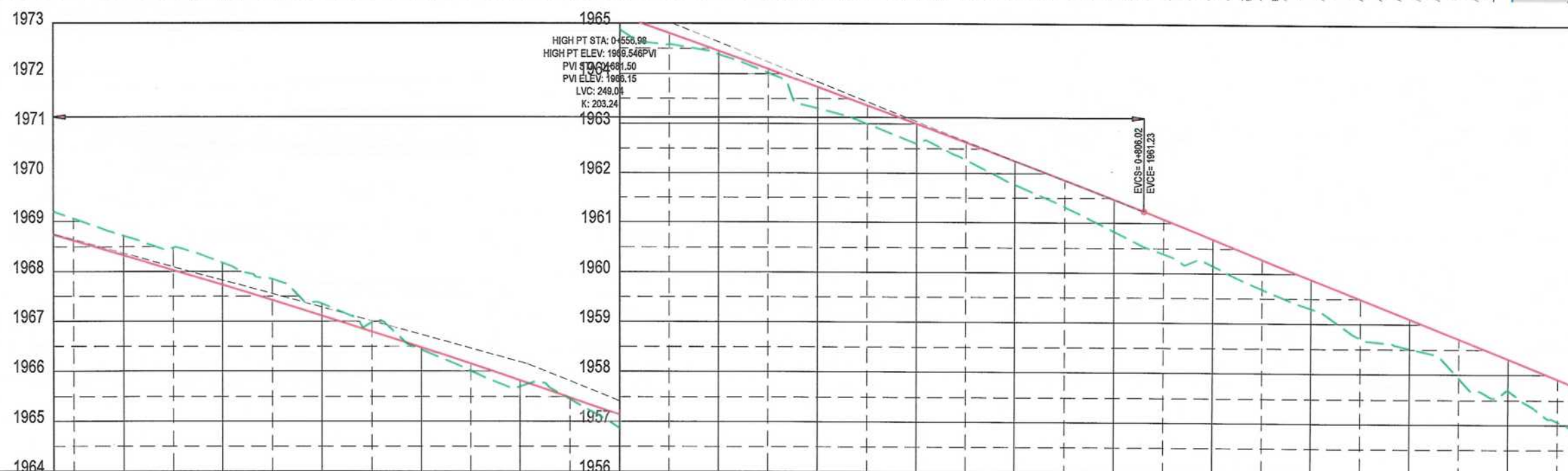
| FINISHED ELEVATION | 1975.008 | 1974.838 | 1974.625 | 1974.357 | 1974.034 | 1973.655 | 1973.220 | 1972.730 | 1972.191 | 1971.645 | 1971.100 | 1970.555 | 1970.009 | 1969.464 | 1968.919 |
|---------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| EXISTING ELEVATION | 1974.570 | 1974.360 | 1974.140 | 1973.943 | 1973.745 | 1973.523 | 1973.268 | 1972.957 | 1972.591 | 1972.167 | 1971.748 | 1971.324 | 1970.895 | 1970.461 | 1969.919 |
| STATION | 0+277 | 0+280 | 0+300 | 0+320 | 0+340 | 0+360 | 0+380 | 0+400 | 0+420 | 0+440 | 0+460 | 0+480 | 0+500 | 0+520 | 0+540 |
| HORIZONTAL GEOMETRY | L=357.53, L=85.00, R=342.48, L=347.98 | | | | | | | | | | | | | | |
| VERTICAL GEOMETRY | G=-0.45%, L=121.23, K=71.97, L=163.64, G=-2.73%, L=107.16, K=203.24, L=249.04 | | | | | | | | | | | | | | |
| SUPERELEVATION | -0.01%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10%, -0.10% | | | | | | | | | | | | | | |

| | | | | | |
|---|------|------------------|--------------------------|------|------|
| Rev | Date | Revision Details | Drawn | Chkd | Appd |
| | | | | | |
| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | |
| Designed By: | | | | | |
| KABUL MUNICIPALITY DESIGN TEAM | | | | | |
| Project Name: | | | | | |
| CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | |
| Drawing Title: | | | | | |
| FINAL PLAN & PROFILE | | | | | |
| Drawn by: | | | Signature: | | |
| Geometric Design by: | | | Signature: | | |
| Checked by: | | | Signature: | | |
| Checked by: | | | Signature: | | |
| Date: | | | Scale: | | |
| 7/10/2023 | | | HOR: 1:1000 AS: 1:100 | | |
| Status: | | | FINAL DESIGN | | |
| SHEET NO. | | | Revision | | |
| PP-02 | | | 01 | | |



NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

- LEGENDS
- PROPOSED ROAD EDGE
 - GREEN AREA OUT
 - SIDE WALK OUT
 - PROPOSED RCC SIDE DRAIN
 - EXISTING ROAD
 - PROPOSED BOX CULVERT
 - EXISTING TREE
 - BENCHMARK
 - CONCRETE ELECTRIC POLE, EXISTING
 - EXISTING SURFACE
 - PROPOSED DESIGN PROFILE
 - EXISTING GROUND PROFILE
 - EXISTING HIGH VOLTAGE ELECTRICAL POLE
 - EXISTING BUILDINGS, HOUSES AND SHOPS
 - EXISTING PUMP STATION



| | | | | | | | | | | | | | | | | | |
|---------------------|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FINISHED ELEVATION | 1965.754 | 1966.328 | 1967.730 | 1967.113 | 1966.476 | 1965.819 | 1965.143 | 1964.447 | 1963.731 | 1962.996 | 1962.241 | 1961.466 | 1960.677 | 1959.886 | 1959.096 | 1958.303 | 1957.546 |
| EXISTING ELEVATION | 1965.143 | 1966.715 | 1968.178 | 1967.348 | 1966.428 | 1965.509 | 1964.595 | 1964.374 | 1963.301 | 1962.591 | 1961.781 | 1960.821 | 1960.146 | 1959.300 | 1958.507 | 1957.596 | 1956.664 |
| STATION | 0+586 | 0+600 | 0+620 | 0+640 | 0+660 | 0+680 | 0+700 | 0+720 | 0+740 | 0+760 | 0+780 | 0+800 | 0+820 | 0+840 | 0+860 | 0+880 | 0+895 |
| HORIZONTAL GEOMETRY | L=347.99 Lc=50.00 R=5217.81 L=177.09 | | | | | | | | | | | | | | | | |
| VERTICAL GEOMETRY | K=203.24 L=249.04 G=-3.95% L=378.60 | | | | | | | | | | | | | | | | |
| SUPERELEVATION | 0.00% | | | | | | | | | | | | | | | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

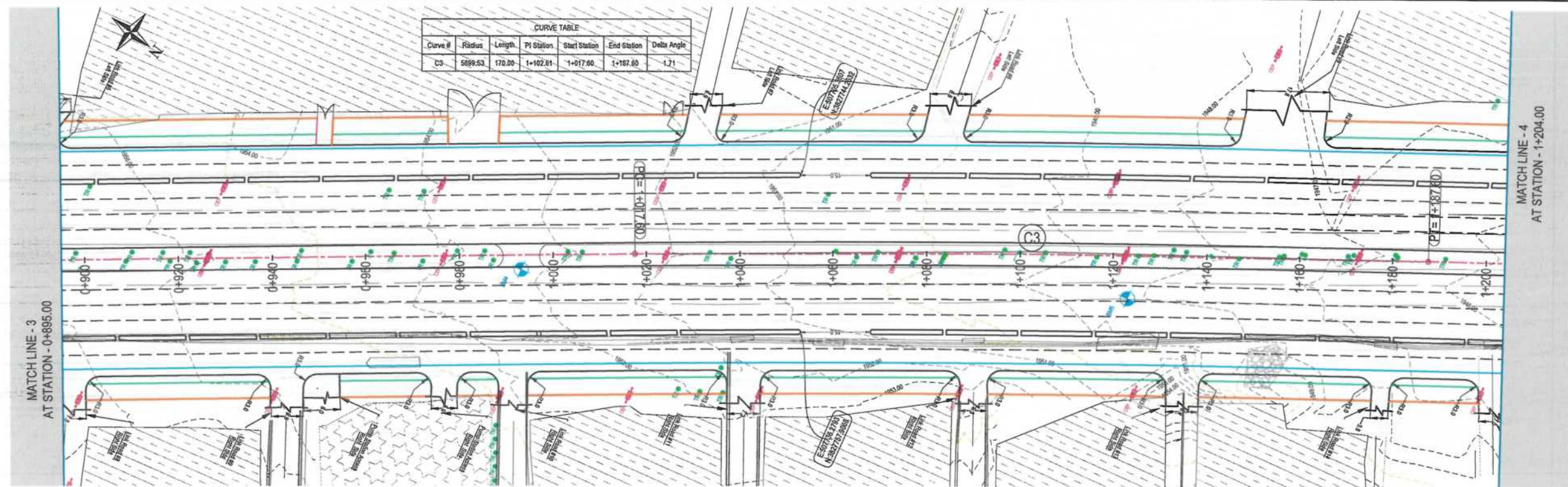
Drawing Title:
FINAL PLAN & PROFILE

| | |
|--------------------------------------|------------|
| Drawn by: Rohullah Ata | Signature: |
| Geometric Design by: Rohullah Ata | Signature: |
| Checked by: M.Essa Surat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 7/10/2023 Scale: HOR: 1:1000
A3 VER: 1:100

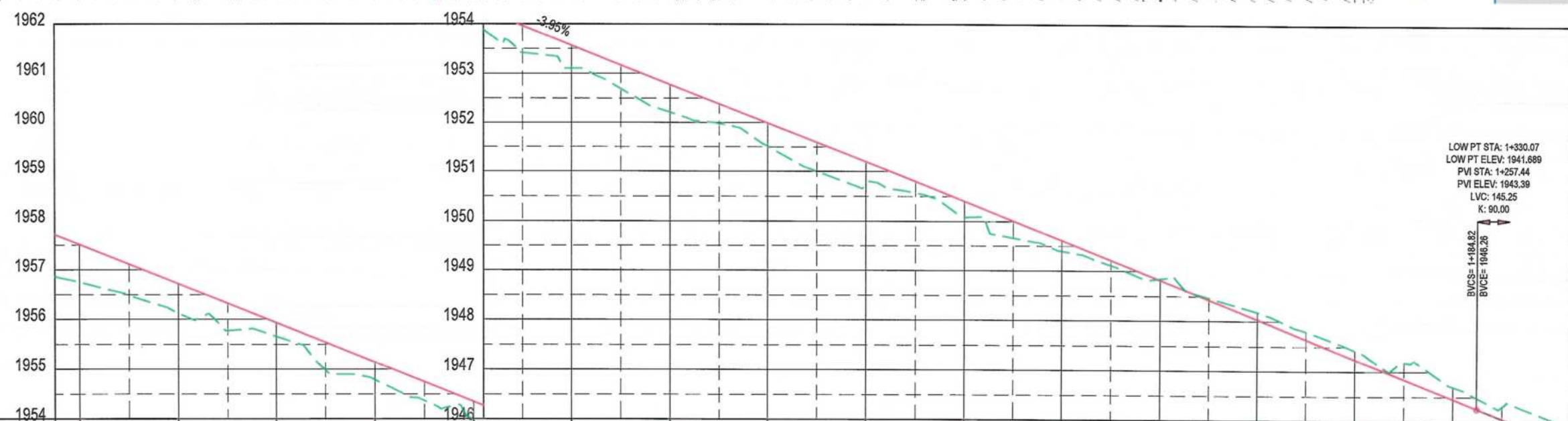
Status: FINAL DESIGN

SHEET NO. PP-03 Revision: 01



NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

- LEGENDS
- PROPOSED ROAD EDGE
 - GREEN AREA OUT
 - SIDE WALK OUT
 - PROPOSED RCC SIDE DRAIN
 - EXISTING ROAD
 - PROPOSED BOX CULVERT
 - EXISTING TREE
 - BENCHMARK
 - CONCRETE ELECTRIC POLE, EXISTING
 - EXISTING SURFACE
 - PROPOSED DESIGN PROFILE
 - EXISTING GROUND PROFILE
 - EXISTING HIGH VOLTAGE ELECTRICAL POLE
 - EXISTING BUILDINGS, HOUSES AND SHOPS
 - EXISTING PUMP STATION



| | | | | | | | | | | | | | | | | | |
|---------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FINISHED ELEVATION | 1957.774 | 1957.515 | 1956.724 | 1955.934 | 1955.143 | 1954.353 | 1953.562 | 1952.772 | 1951.981 | 1950.401 | 1949.610 | 1948.820 | 1948.029 | 1947.239 | 1946.448 | 1945.657 | 1944.866 |
| EXISTING ELEVATION | 1956.864 | 1956.751 | 1956.123 | 1955.657 | 1954.782 | 1953.982 | 1953.101 | 1952.205 | 1951.507 | 1950.081 | 1949.303 | 1948.844 | 1948.179 | 1947.419 | 1946.663 | 1945.837 | 1945.000 |
| STATION | 0+895 | 0+900 | 0+920 | 0+940 | 0+960 | 0+980 | 1+000 | 1+020 | 1+040 | 1+060 | 1+080 | 1+100 | 1+120 | 1+140 | 1+160 | 1+180 | 1+204 |
| HORIZONTAL GEOMETRY | L=177.00 | | | | | | | | | | | | | | | | |
| VERTICAL GEOMETRY | G=-3.95% L=378.80 | | | | | | | | | | | | | | | | |
| SUPERELEVATION | 0.00% | | | | | | | | | | | | | | | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
FINAL PLAN & PROFILE

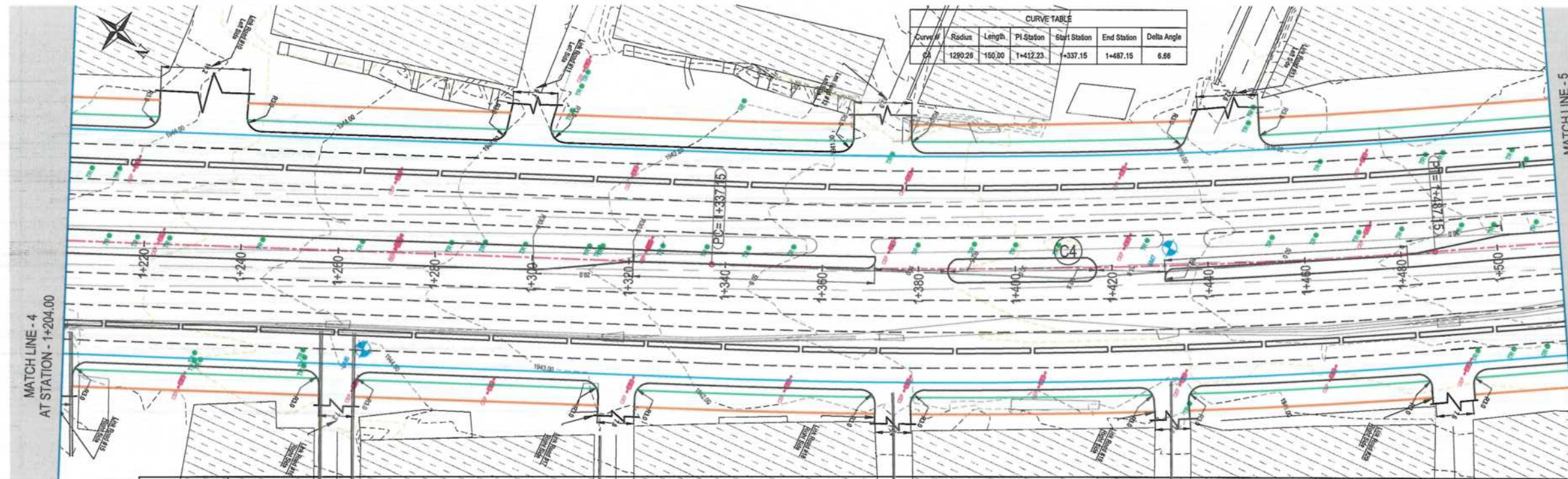
Drawn by: Rohullah Ata
Geometric Design by: Rohullah Ata
Checked by: M. Essa Sirt
Checked by: Hamidullah Shalizi

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

Date: 7/10/2023
Scale: HOR: 1:1000
AS VER: 1:100

Status: FINAL DESIGN

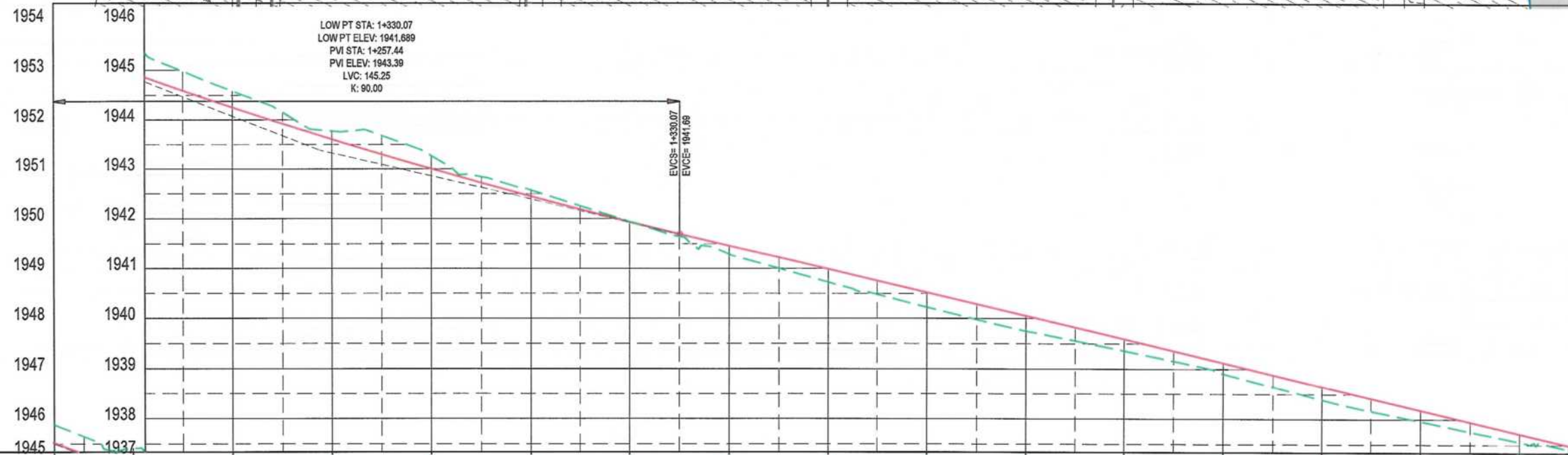
SHEET NO. PP-04
Revision: 01



| CURVE TABLE | | | | | | |
|-------------|---------|--------|------------|---------------|-------------|-------------|
| Curve | Radius | Length | PI Station | Start Station | End Station | Delta Angle |
| C4 | 1280.28 | 150.00 | 1+412.23 | 1+337.15 | 1+487.15 | 6.66 |

NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

| LEGENDS | |
|---------------------------------------|---|
| PROPOSED ROAD EDGE | — |
| GREEN AREA OUT | — |
| SIDE WALK OUT | — |
| PROPOSED RCC SIDE DRAIN | — |
| EXISTING ROAD | — |
| PROPOSED BOX CULVERT | — |
| EXISTING TREE | ● |
| BENCHMARK | ⊕ |
| CONCRETE ELECTRIC POLE, EXISTING | ⊕ |
| EXISTING SURFACE | — |
| PROPOSED DESIGN PROFILE | — |
| EXISTING GROUND PROFILE | — |
| EXISTING HIGH VOLTAGE ELECTRICAL POLE | ⊕ |
| EXISTING BUILDINGS, HOUSES AND SHOPS | ▨ |
| EXISTING PUMP STATION | ⊕ |



| | | | | | | | | | | | | | | | | | |
|---------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|----------|
| FINISHED ELEVATION | 1945.526 | 1944.935 | 1944.245 | 1943.600 | 1942.999 | 1942.442 | 1941.930 | 1941.457 | 1940.985 | 1940.522 | 1940.054 | 1939.586 | 1939.118 | 1938.651 | 1938.183 | 1937.715 | 1937.244 |
| EXISTING ELEVATION | 1945.699 | 1945.605 | 1944.576 | 1943.798 | 1943.262 | 1942.566 | 1941.937 | 1941.285 | 1940.728 | 1940.225 | 1939.744 | 1939.354 | 1938.901 | 1938.399 | 1937.959 | 1937.554 | 1937.195 |
| STATION | 1+204 | 1+220 | 1+240 | 1+260 | 1+280 | 1+300 | 1+320 | 1+340 | 1+360 | 1+380 | 1+400 | 1+420 | 1+440 | 1+460 | 1+480 | 1+500 | 1+513 |
| HORIZONTAL GEOMETRY | L=149.54 | | | | | | | | | | L=150.00 R=1280.26 | | | | | L=105.87 | |
| VERTICAL GEOMETRY | K=90.00 L=145.25 | | | | | | | | | | G=-2.34% L=423.63 | | | | | 0.00% | |
| SUPERELEVATION | -0.00% | | | | | | | | | | -0.12% | | | | | 0.00% | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

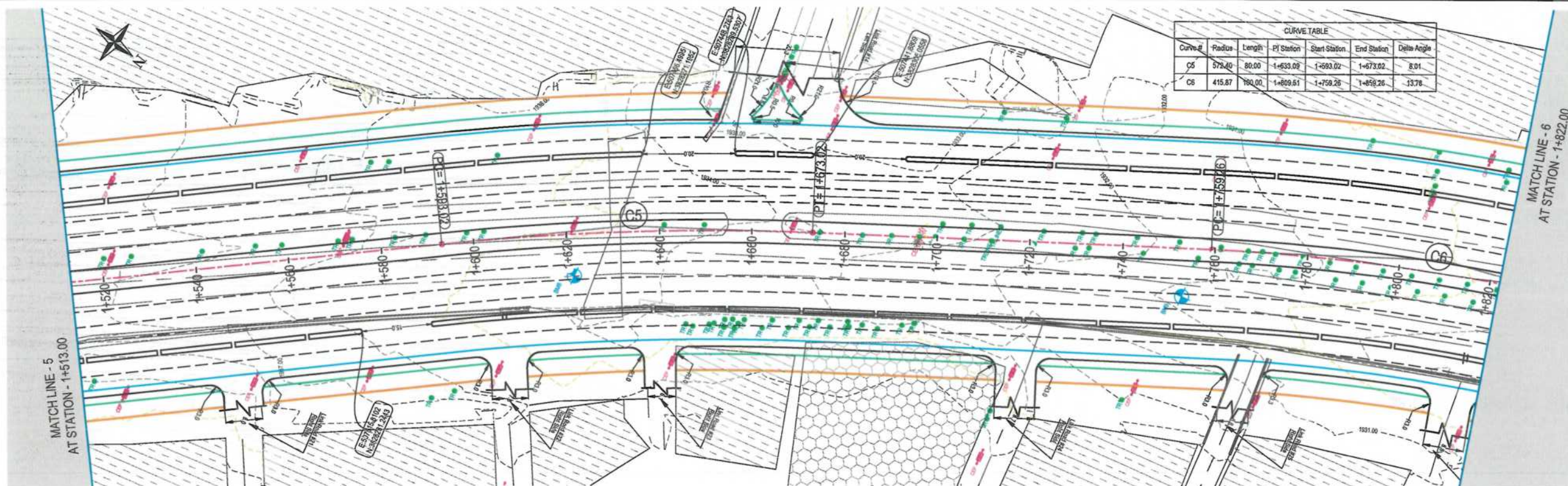
FINAL PLAN & PROFILE

| | |
|--------------------------------------|------------|
| Drawn by: Rohullah Ata | Signature: |
| Geometric Design by: Rohullah Ata | Signature: |
| Checked by: M. Essa Sirt | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 7/10/2023 Scale: HOR: 1:1000
A3 VER: 1:100

Status: FINAL DESIGN

SHEET NO. PP-05 01



NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

LEGENDS

- PROPOSED ROAD EDGE
- GREEN AREA OUT
- SIDE WALK OUT
- PROPOSED RCC SIDE DRAIN
- EXISTING ROAD
- PROPOSED BOX CULVERT
- EXISTING TREE
- BENCHMARK
- CONCRETE ELECTRIC POLE, EXISTING
- EXISTING SURFACE
- PROPOSED DESIGN PROFILE
- EXISTING GROUND PROFILE
- EXISTING HIGH VOLTAGE ELECTRICAL POLE
- EXISTING BUILDINGS, HOUSES AND SHOPS
- EXISTING PUMP STATION

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

FINAL PLAN & PROFILE

Drawn by:

Signature:

Geometric Design by:

Signature:

Checked by:

Signature:

Date:

7/10/2023

Status:

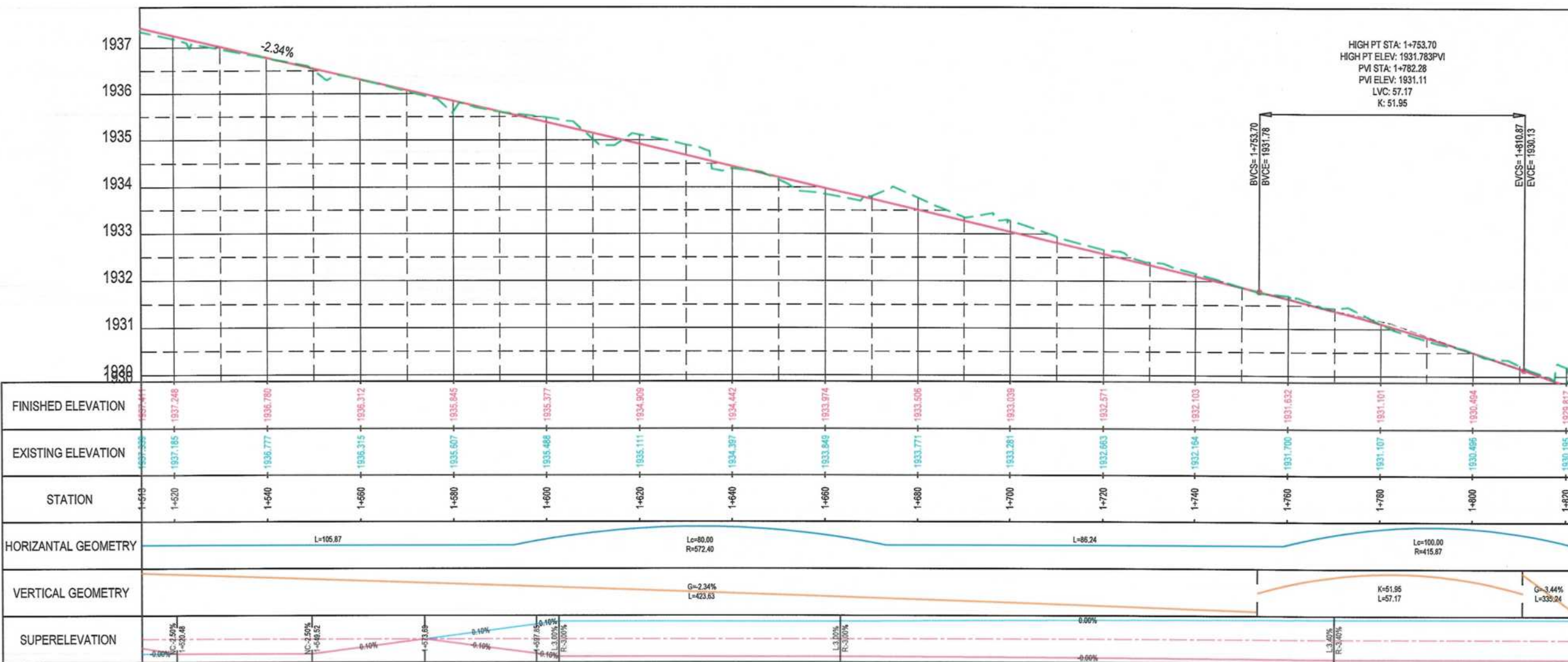
FINAL DESIGN

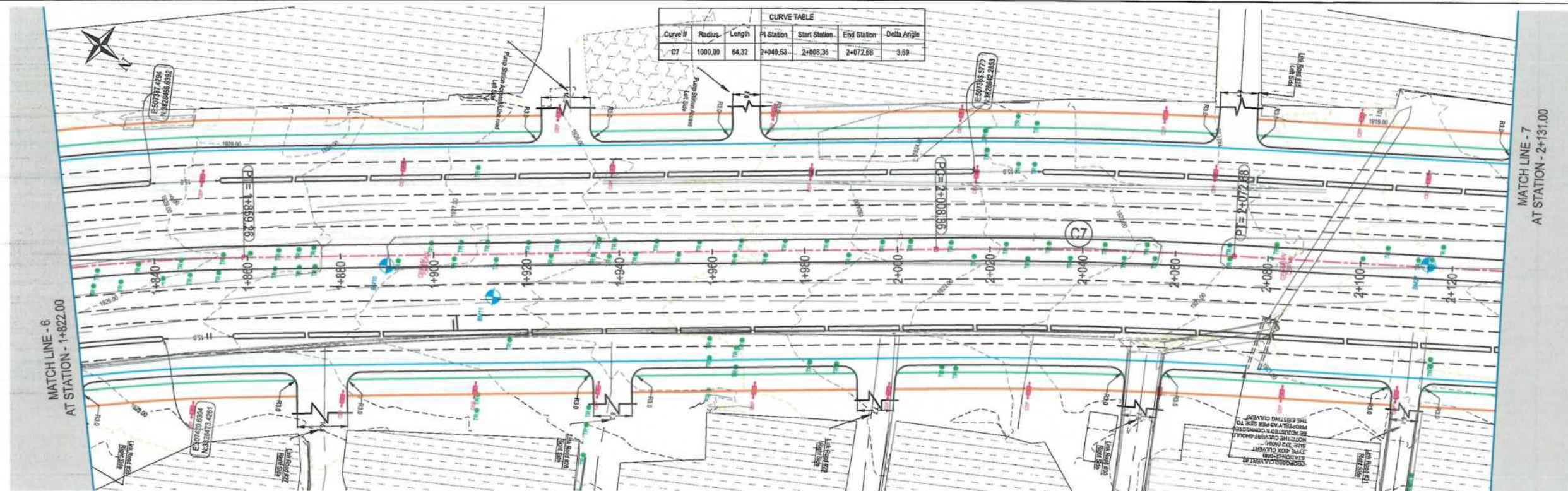
SHEET NO.

PP-06

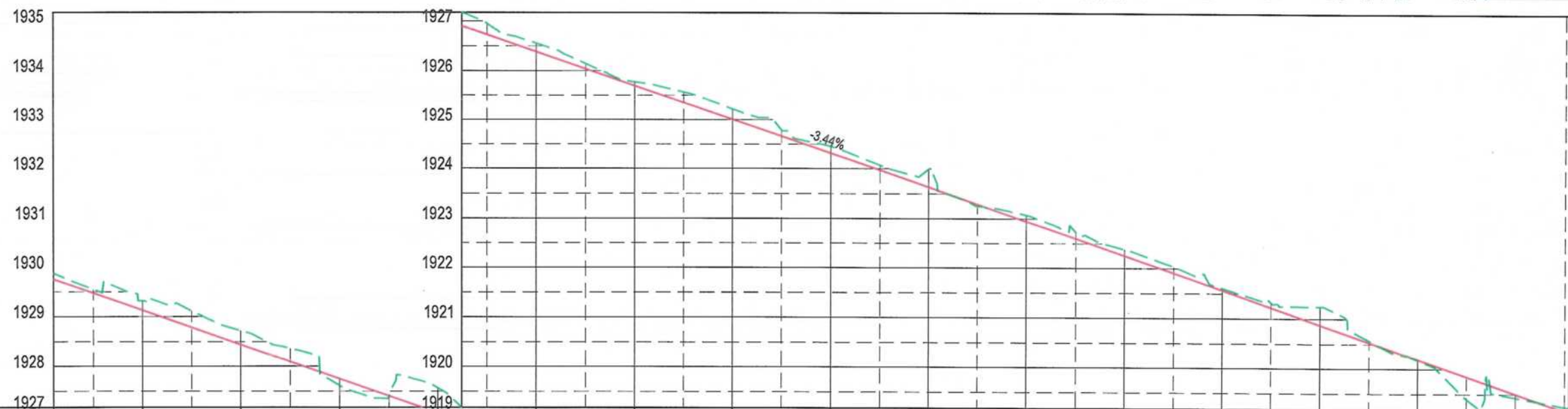
Revision

01





- NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.
- LEGENDS
- PROPOSED ROAD EDGE
 - GREEN AREA OUT
 - SIDE WALK OUT
 - PROPOSED RCC SIDE DRAIN
 - EXISTING ROAD
 - PROPOSED BOX CULVERT
 - EXISTING TREE
 - BENCHMARK
 - CONCRETE ELECTRIC POLE, EXISTING
 - EXISTING SURFACE
 - PROPOSED DESIGN PROFILE
 - EXISTING GROUND PROFILE
 - EXISTING HIGH VOLTAGE ELECTRICAL POLE
 - EXISTING BUILDINGS, HOUSES AND SHOPS
 - EXISTING PUMP STATION



| | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----------------------|----------|--------------------------------------|----------|----------|----------|---------------------|----------|-------------------|----------|----------|----------|--------------------|----------|----------|----------|----------|----------------------|--|---------|--|
| FINISHED ELEVATION | 1929.745 | 1929.130 | 1928.442 | 1927.754 | 1927.066 | 1926.379 | 1925.691 | 1925.003 | 1924.315 | 1923.628 | 1922.940 | 1922.252 | 1921.564 | 1920.876 | 1920.188 | 1919.501 | 1918.813 | | | | |
| EXISTING ELEVATION | 1929.579 | 1929.317 | 1928.713 | 1928.116 | 1927.567 | 1926.947 | 1926.370 | 1925.746 | 1925.165 | 1924.550 | 1923.990 | 1923.378 | 1922.802 | 1921.243 | 1920.172 | 1919.428 | 1918.628 | | | | |
| STATION | 1+822 | 1+840 | 1+860 | 1+880 | 1+900 | 1+920 | 1+940 | 1+960 | 1+980 | 2+000 | 2+020 | 2+040 | 2+060 | 2+080 | 2+100 | 2+120 | 2+131 | | | | |
| HORIZONTAL GEOMETRY | L=100.00 R=415.87 | | L=149.10 | | | | | | | | | | | | | | | L=64.32 R=1000.00 | | L=63.92 | |
| VERTICAL GEOMETRY | G=-3.44% L=335.24 | | | | | | | | | | | | | | | | | | | | |
| SUPERELEVATION | 0.00% | | L=57.20 R=3.40% 0.10% 0.10% | | +851.25 | | NC=2.50% +855.53 | | L=150% +857.26 | | +862.35 | | L=2.40% +862.35 | | 0.01% | | -0.01% | | | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

FINAL PLAN & PROFILE

Drawn by:

Rohullah Ata

Signature:

Geometric Design by:

Rohullah Ata

Signature:

Checked by:

M. Essa Surt

Signature:

Checked by:

Hasibullah Shalizi

Signature:

Date:

7/10/2023

Scale:

HOR: 1:1000
VERT: 1:100

Status:

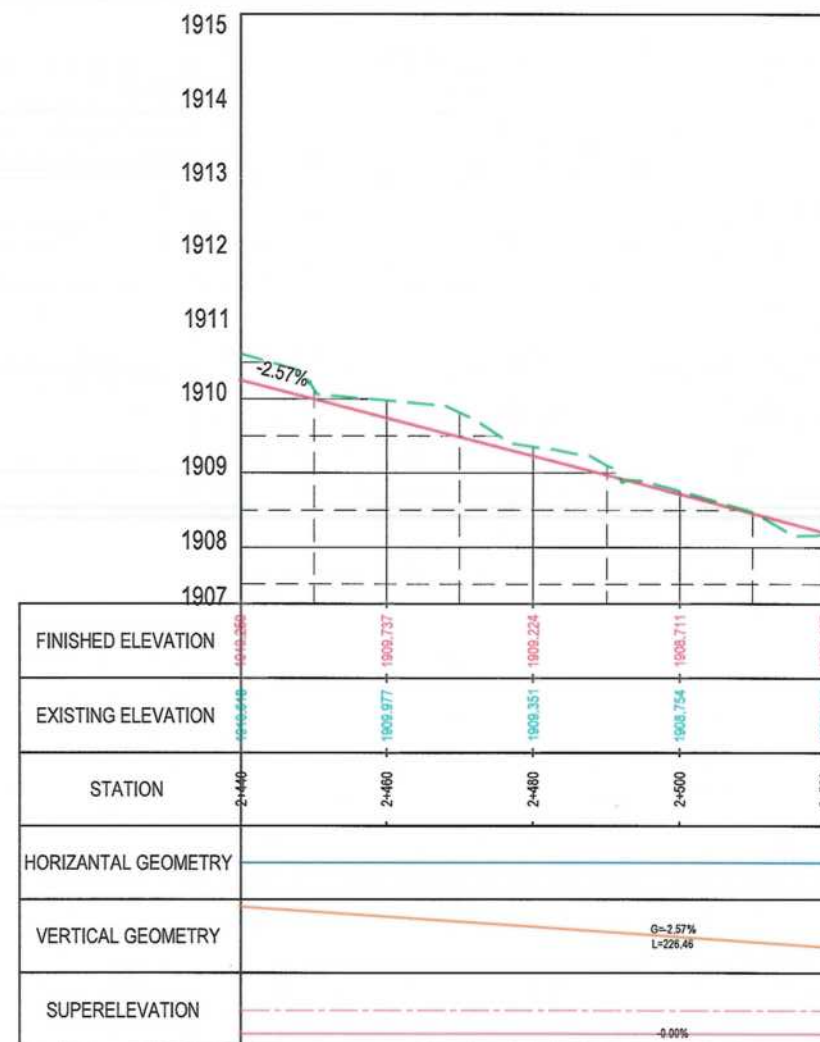
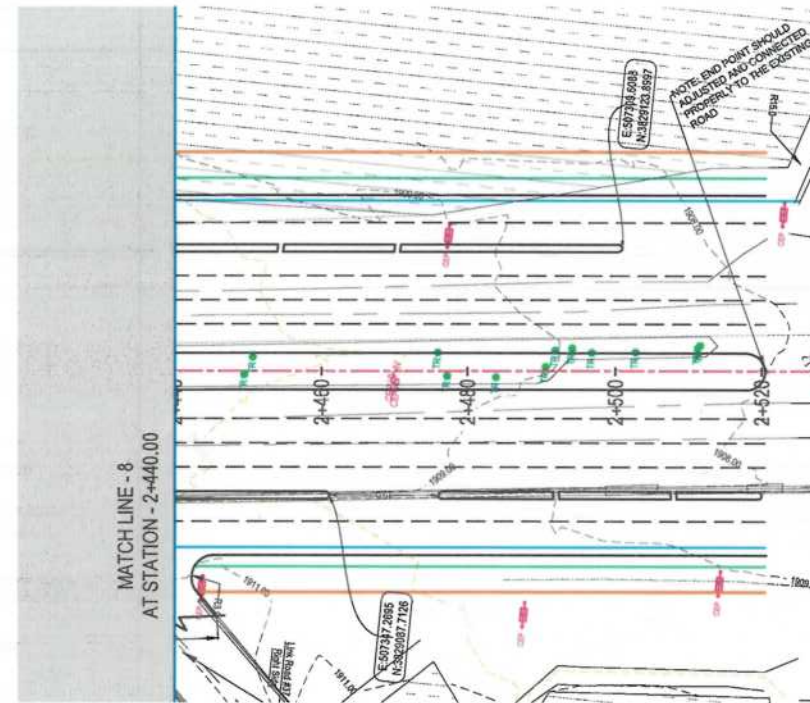
FINAL DESIGN

SHEET NO.

PP-07

Revision

01



NOTE:
1. All dimensions are in meters unless otherwise indicated.
2. All existing link roads and local streets should be adjusted and connected to the proposed road properly as per site.

| LEGENDS | |
|---------------------------------------|--|
| PROPOSED ROAD EDGE | |
| GREEN AREA OUT | |
| SIDE WALK OUT | |
| PROPOSED RCC | |
| SIDE DRAIN | |
| EXISTING ROAD | |
| PROPOSED BOX CULVERT | |
| EXISTING TREE | |
| BENCHMARK | |
| CONCRETE ELECTRIC POLE, EXISTING | |
| EXISTING SURFACE | |
| PROPOSED DESIGN PROFILE | |
| EXISTING GROUND PROFILE | |
| EXISTING HIGH VOLTAGE ELECTRICAL POLE | |
| EXISTING BUILDINGS, HOUSES AND SHOPS | |
| EXISTING PUMP STATION | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

 KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

FINAL PLAN & PROFILE

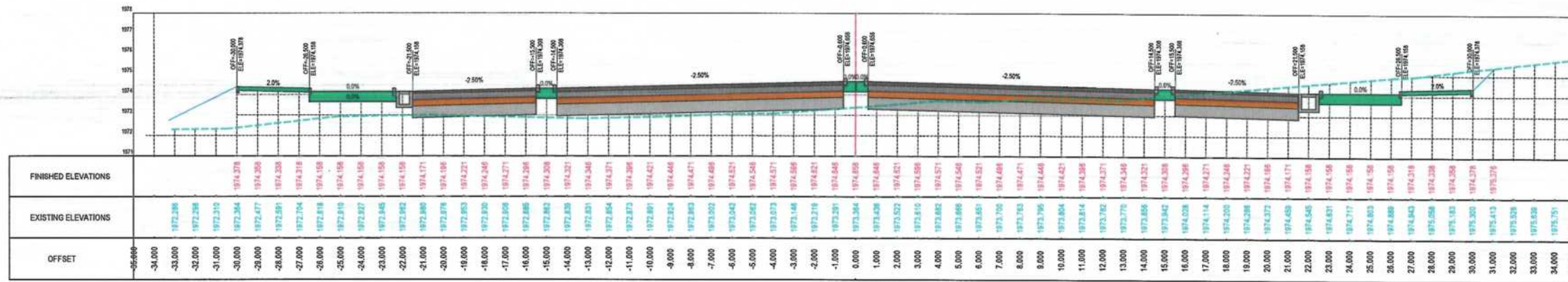
| | |
|--------------------------------------|---|
| Drawn by: Rohullah Ata | Signature:  |
| Geometric Design by: Rohullah Ata | Signature:  |
| Checked by: M. Easa Sirt | Signature:  |
| Checked by: Hasibullah Shalizi | Signature:  |

Date: 7/10/2023 Scale: HOR: 1:1000
A3 VER: 1:100

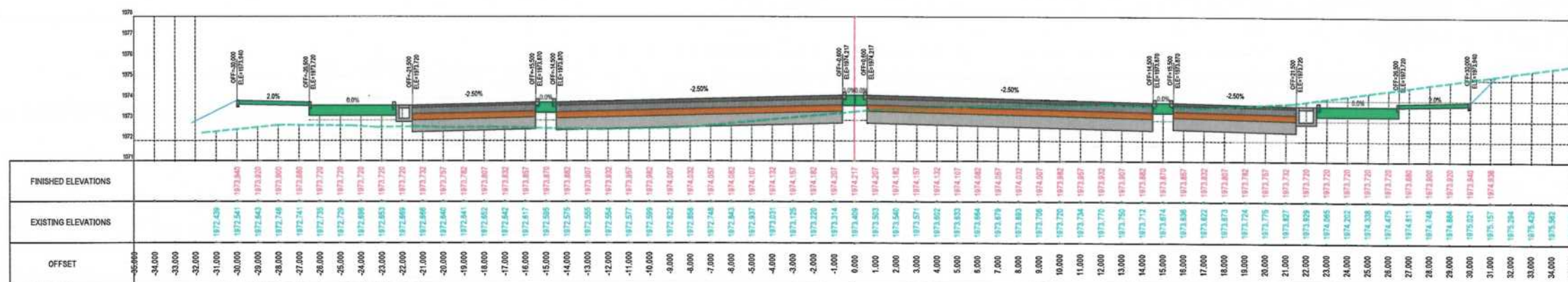
Status: FINAL DESIGN

SHEET NO. PP-09 Revision 01

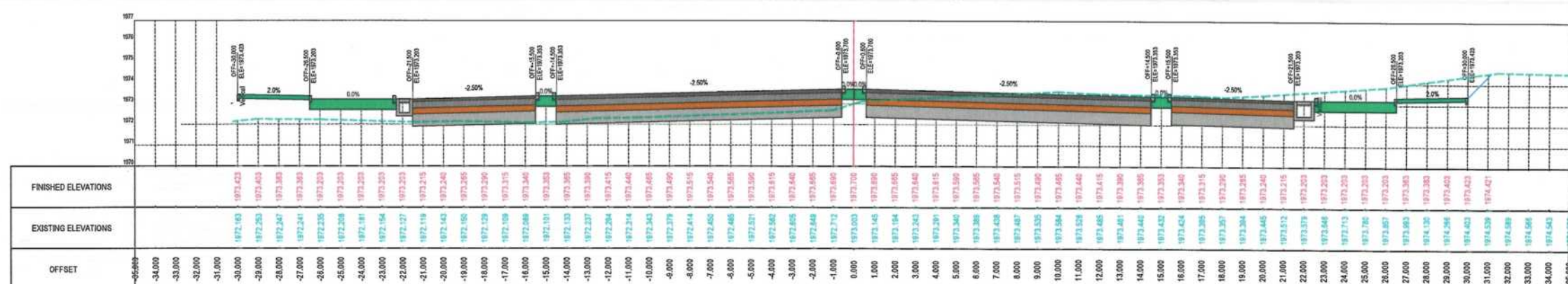




STATION=0+040



STATION=0+020



STATION=0+000

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

--- CENTER-LINE
--- EXISTING SURFACE

Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata Signature: [Signature]

Drawn by: Rohullah Ata Signature: [Signature]

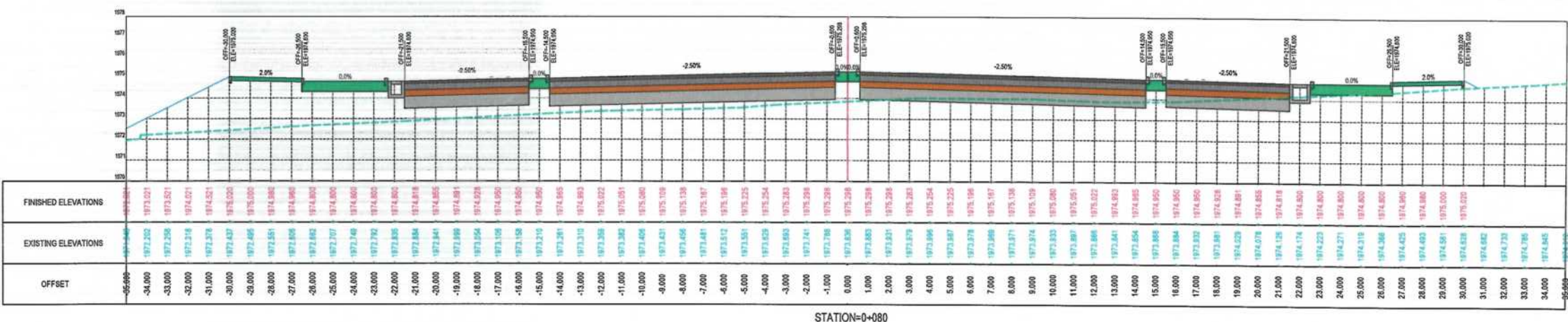
Checked by: M.Easa Sirat Signature: [Signature]

Checked by: Habibullah Shalizi Signature: [Signature]

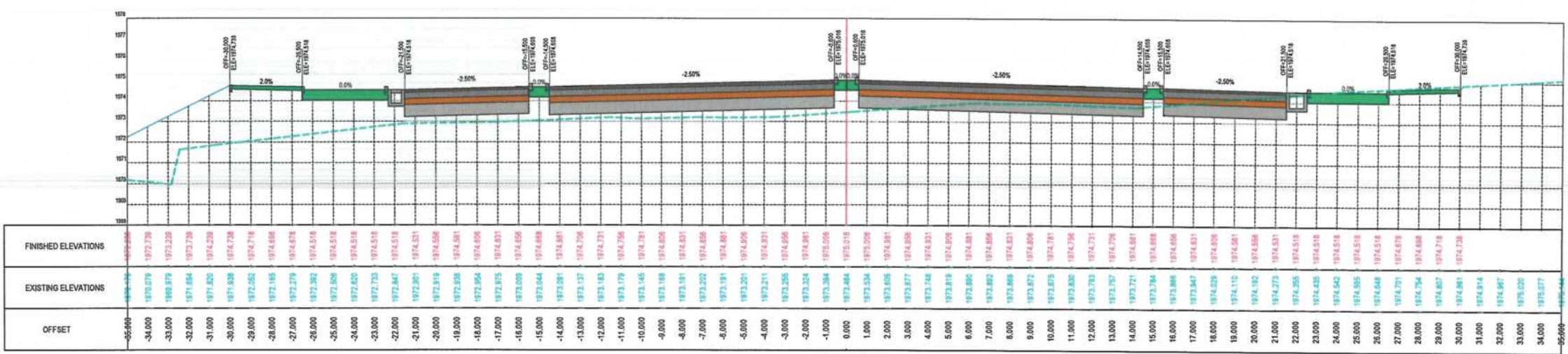
Date: 10/10/2023 Scale: 1:250

Status: FINAL DESIGN

Drawing Number: CS-01 Revision: 00



STATION=0+080



STATION=0+060

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

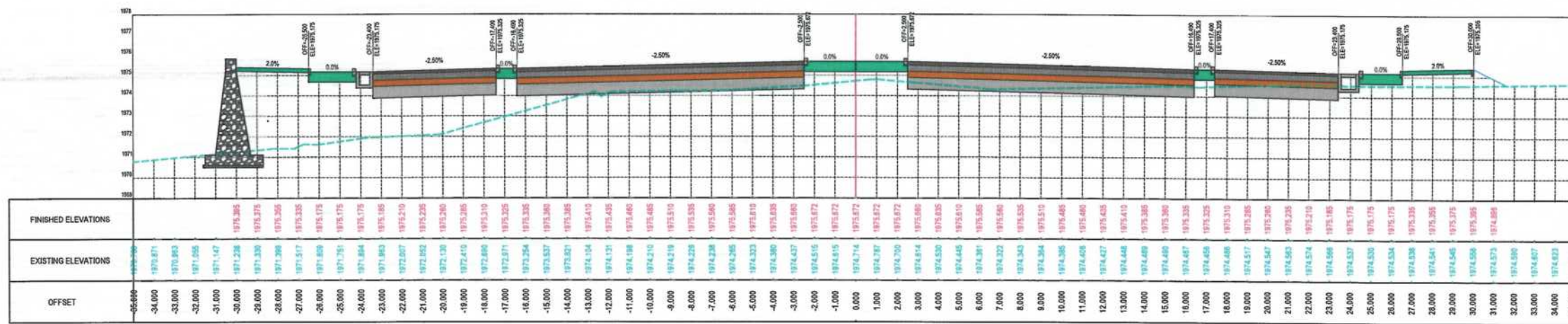
Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sirt
Checked by: Habibullah Shalizi

Date: 10/10/2023
Scale: 1:250
AS

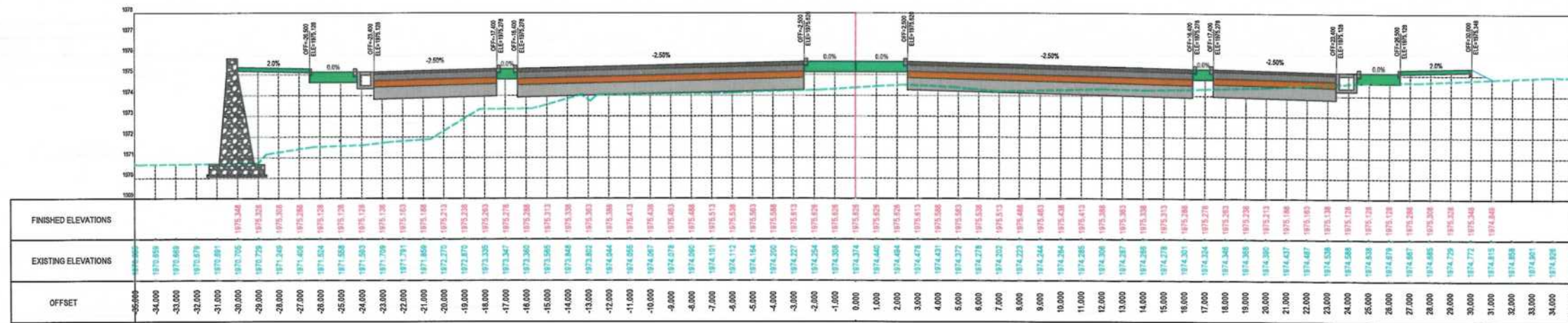
Status: FINAL DESIGN

Drawing Number: CS-02
Revision: 00

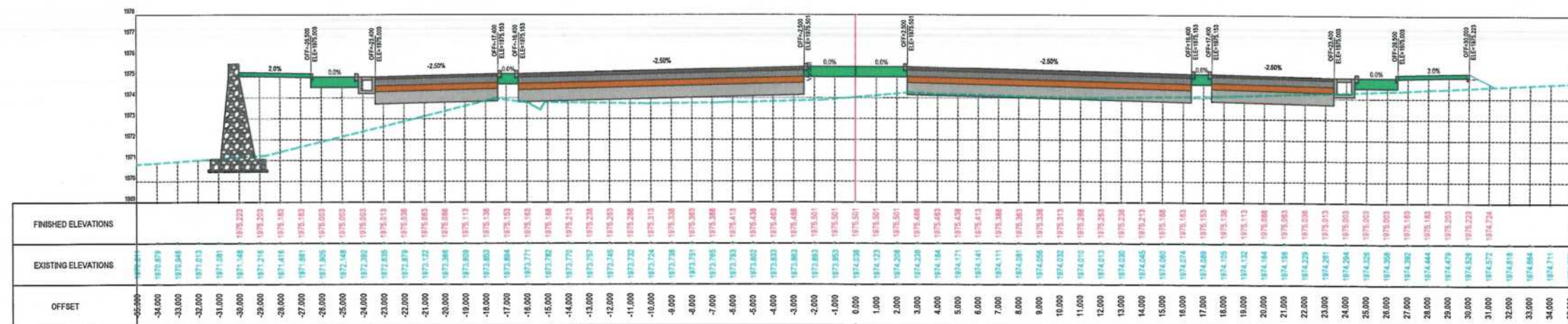




STATION=0+140



STATION=0+120



STATION=0+100

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

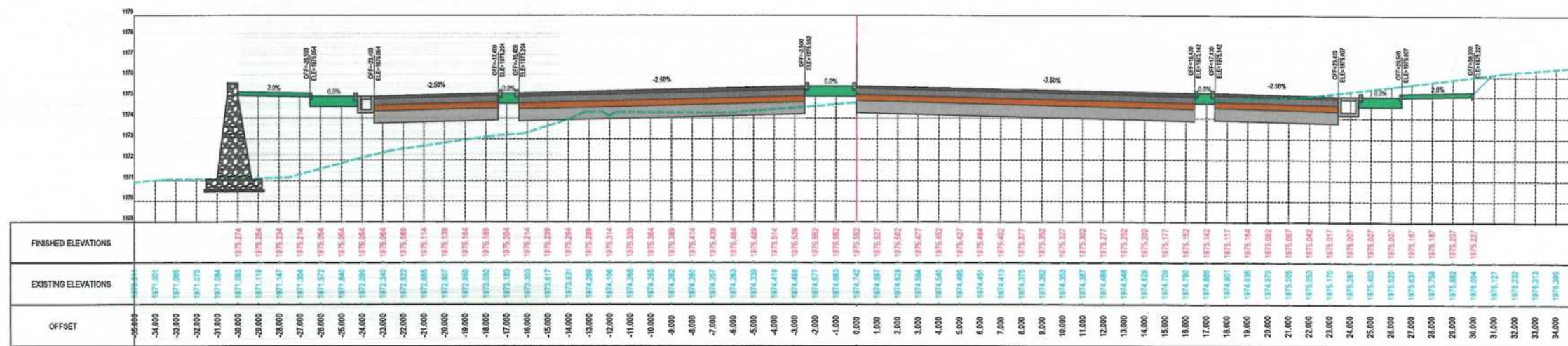
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sini
Checked by: Haniullah Shalizi

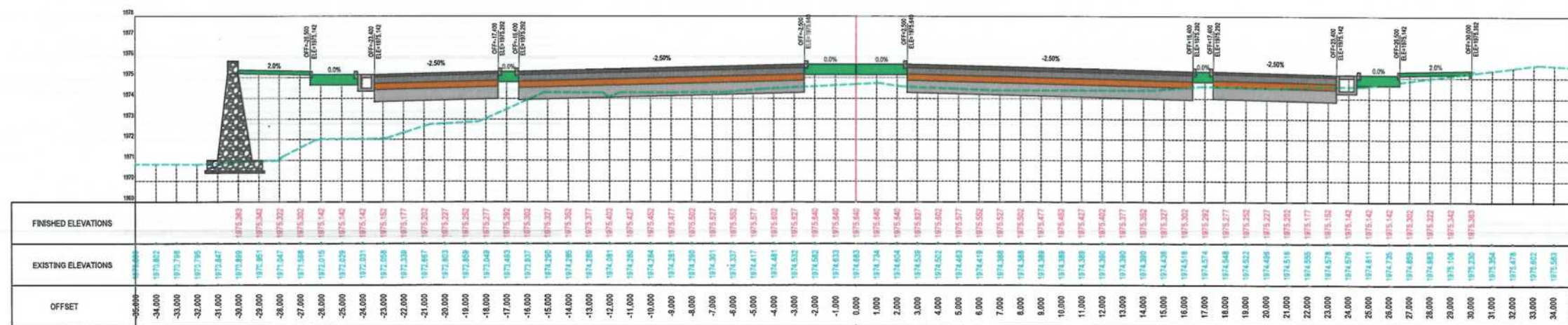
Date: 10/10/2023
Scale: 1:250

Status: FINAL DESIGN

Drawing Number: CS-03
Revision: 00



STATION=0+180



STATION=0+160

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

— — — — — CENTER-LINE

EXISTING SURFACE



| | | | |
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| | | | |
| | | | |
| | | | |
| Date | Revision Details | Drawn | |

ISLAMIC EMIRATE OF
AFGHANISTAN

| | |
|---------|--|
| Client: | |
|---------|--|



KABUL MUNICIPALITY

Designed by:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

CROSS SECTIONS

Designed by:

Rohullah Ata

Drawn by:

Checked by: Rohullah Ati

Checked by:
M.Essa Sirat

Checked by:

Hasibullah Sh

Date: _____

10/10/2023

Scale:

1.250

Status:

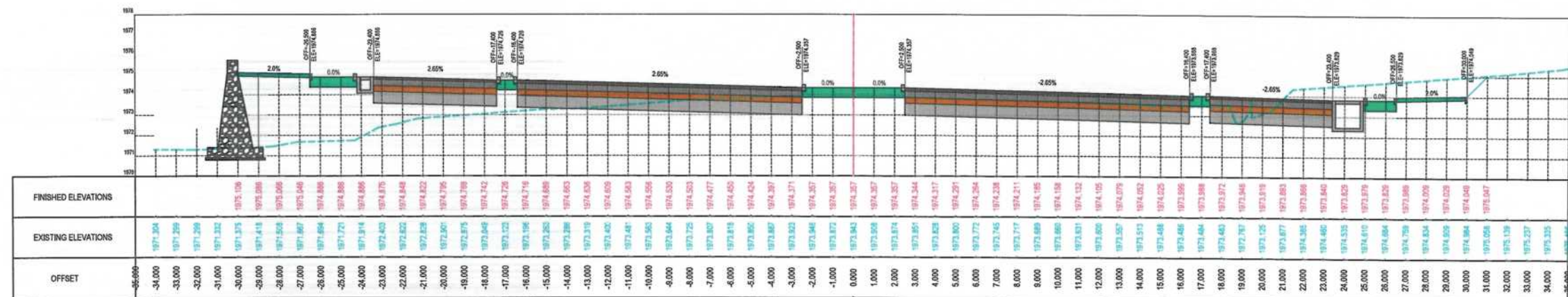
FINAL DESIGN

Drawing Number

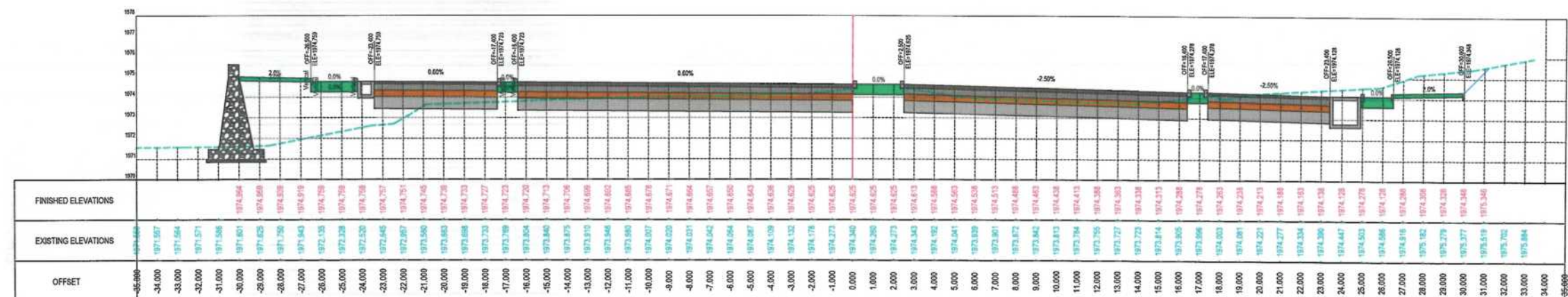
CS-04

revision

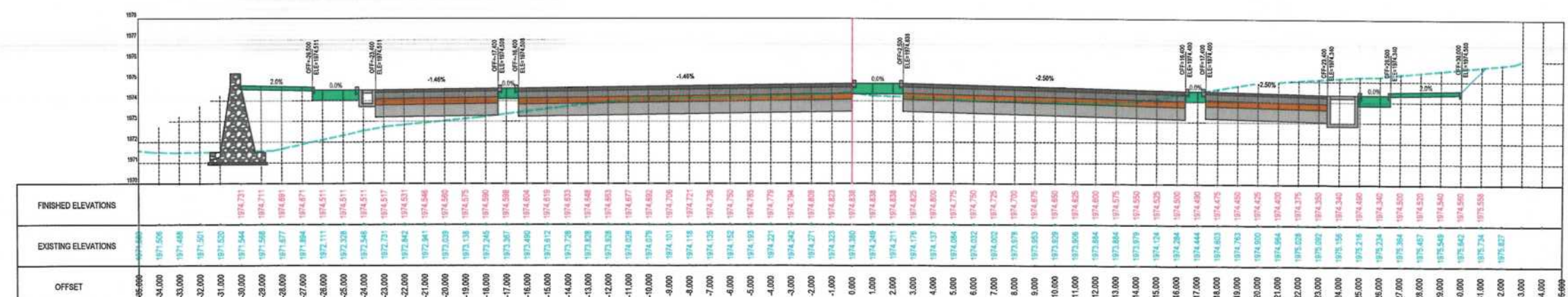
00



STATION=0+360



STATION=0+340



STATION=0+320

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

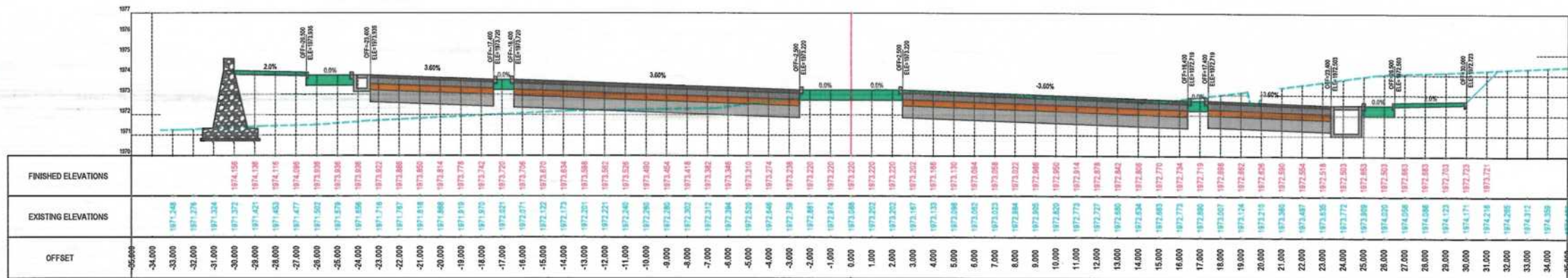
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|------------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirat | Signature: |
| Checked by: Hassanullah Shalizi | Signature: |

Date:
10/10/2023

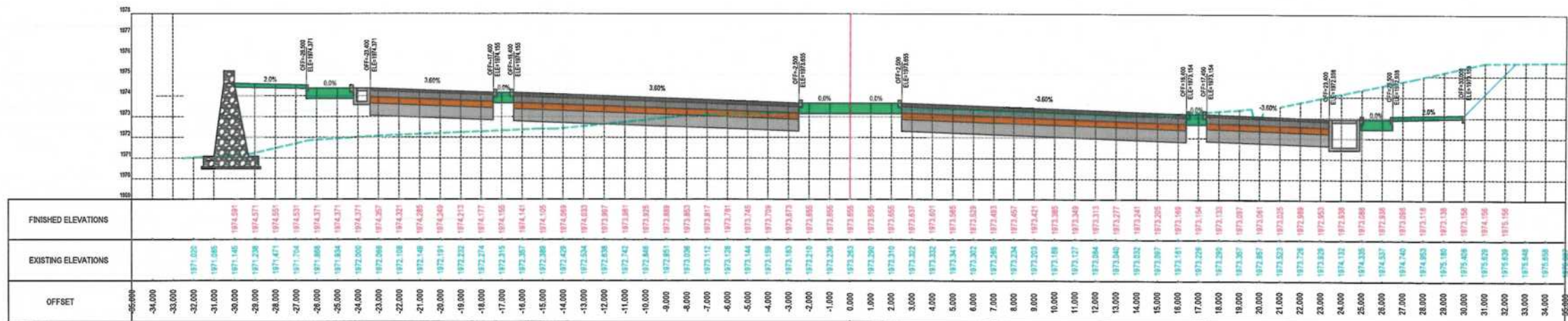
Status:
FINAL DESIGN

Drawing Number
CS-07

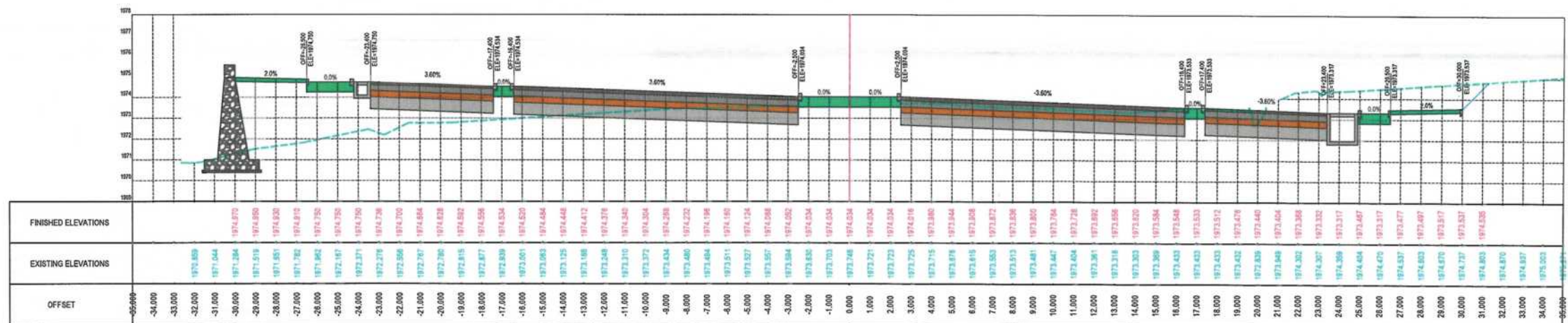
Revision
00



STATION=0+420



STATION=0+400



STATION=0+380

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:

KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

CROSS SECTIONS

| | |
|------------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Eisa Surat | Signature: |
| Checked by: Hassanullah Shalizi | Signature: |

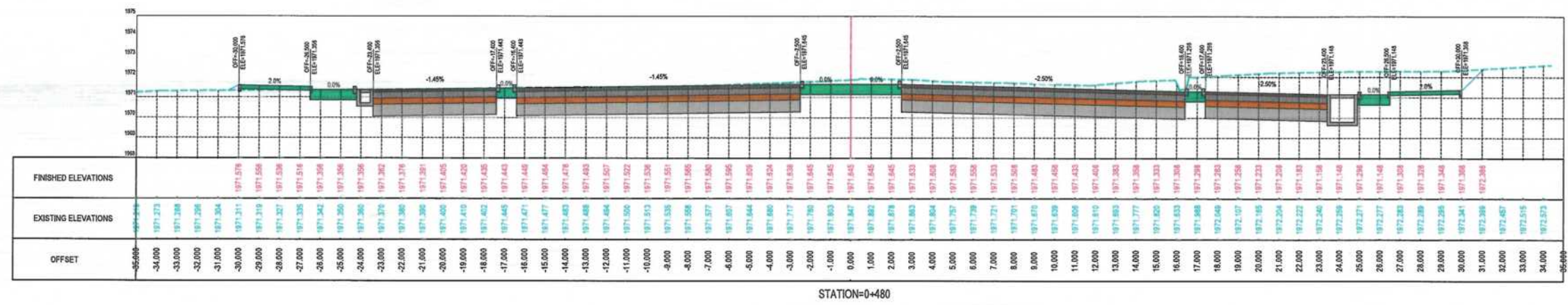
Date:
10/10/2023

Scale:
1:250

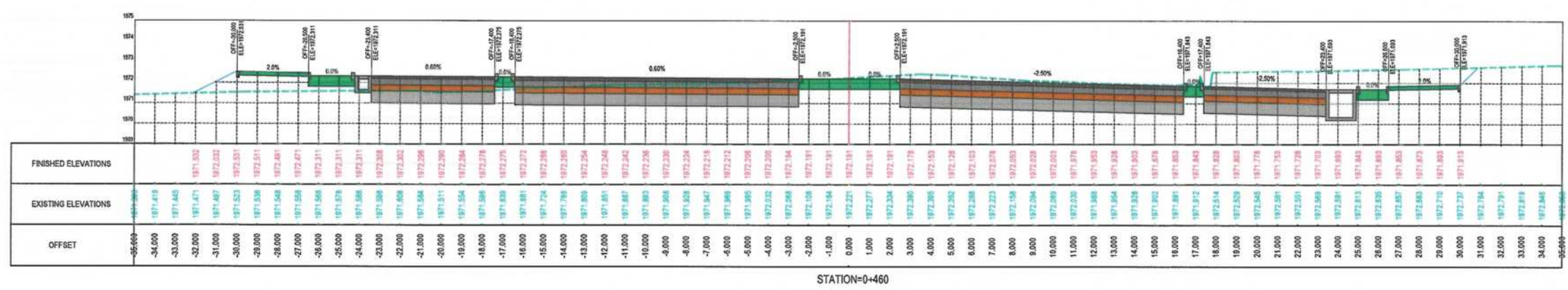
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FINAL DESIGN

Drawing Number
CS-08

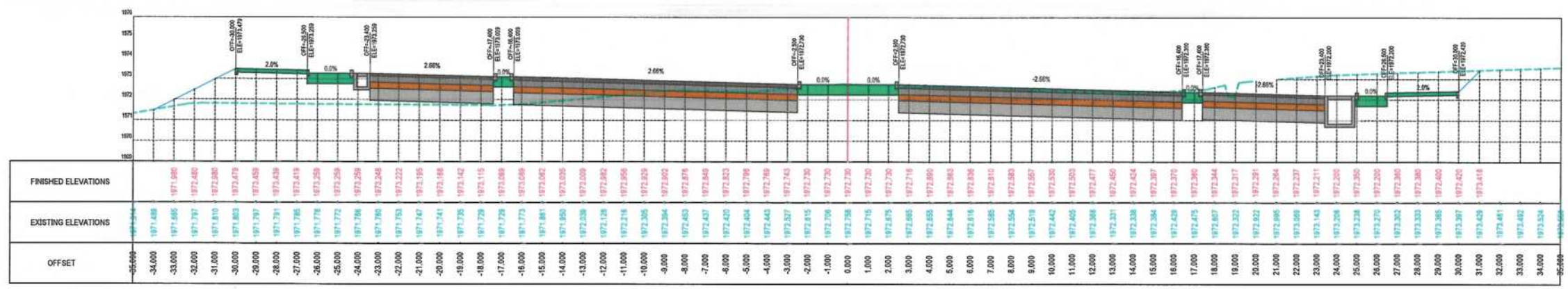
Revision
00



STATION=0+480



STATION=0+460



STATION=0+440

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN
KABUL MUNICIPALITY

Client: KABUL MUNICIPALITY
DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

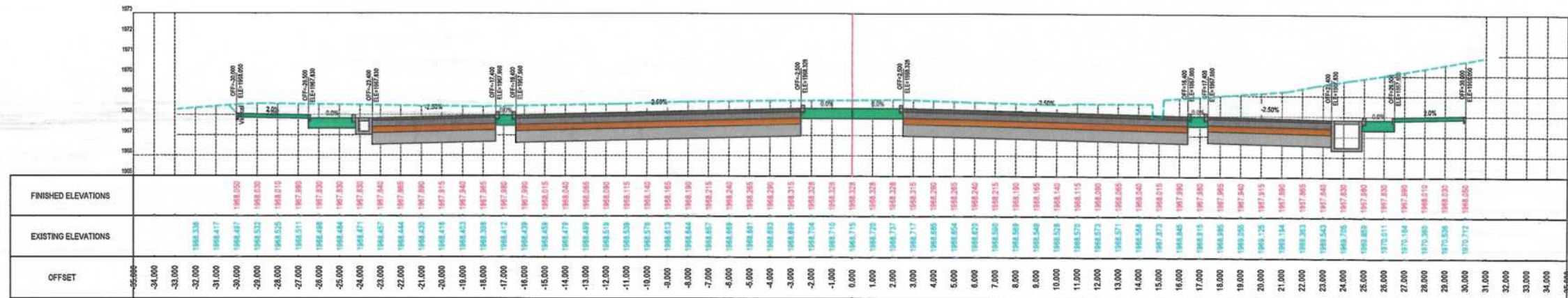
Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Hanbulah Shalizi

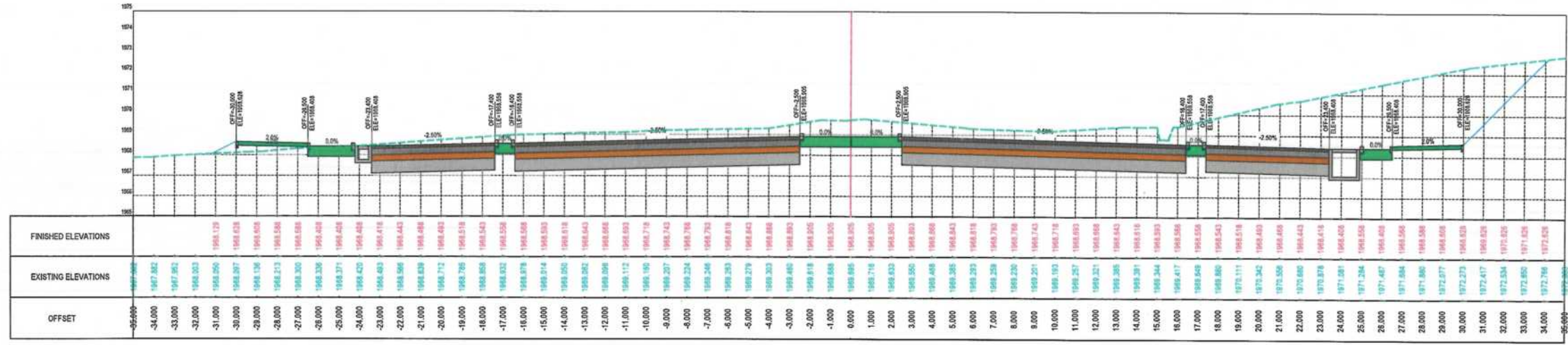
Date: 10/10/2023
Scale: 1:250
AS

Status: FINAL DESIGN

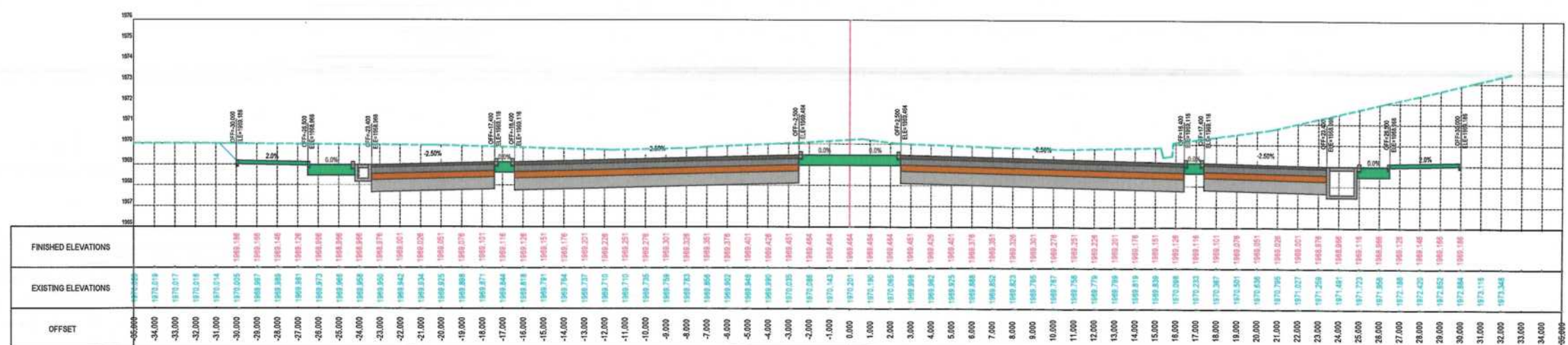
Drawing Number: CS-09
Revision: 00



STATION=0+600



STATION=0+580



STATION=0+560

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

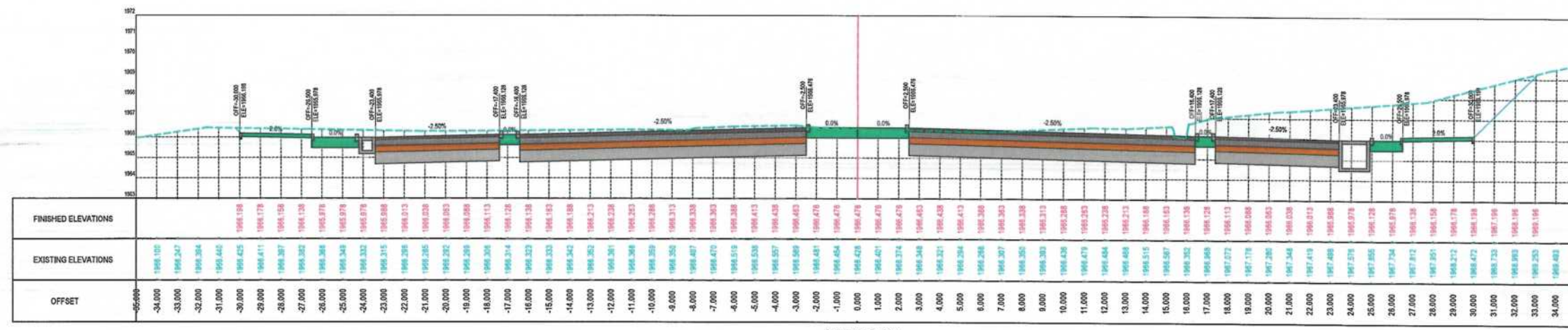
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sini
Checked by: Habibullah Shalizi

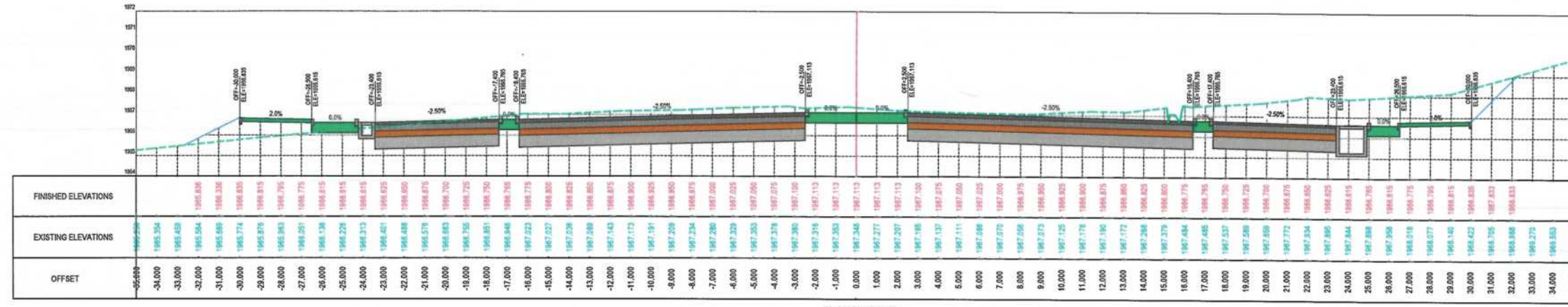
Date: 10/10/2023
Scale: 1:250
AS

Status: FINAL DESIGN

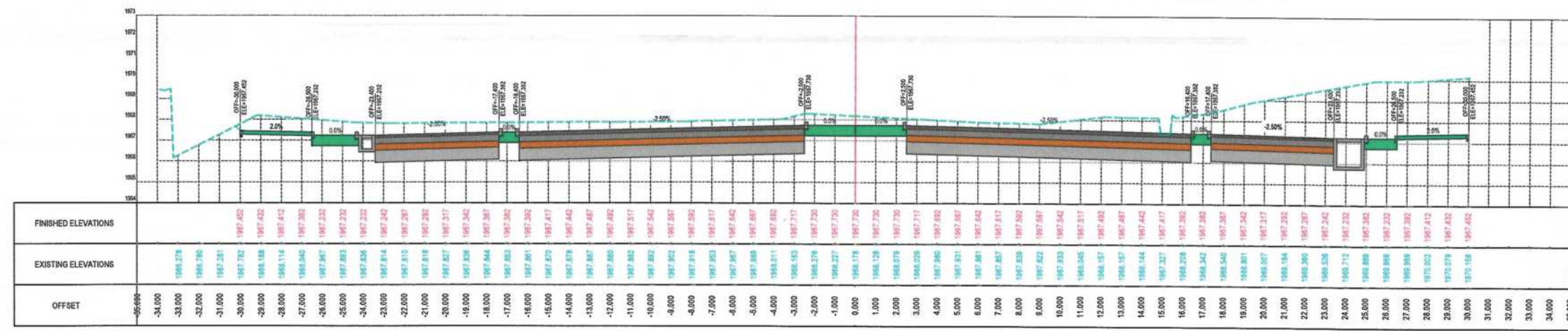
Drawing Number: CS-11
Revision: 00



STATION=0+660



STATION=0+640



STATION=0+620

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

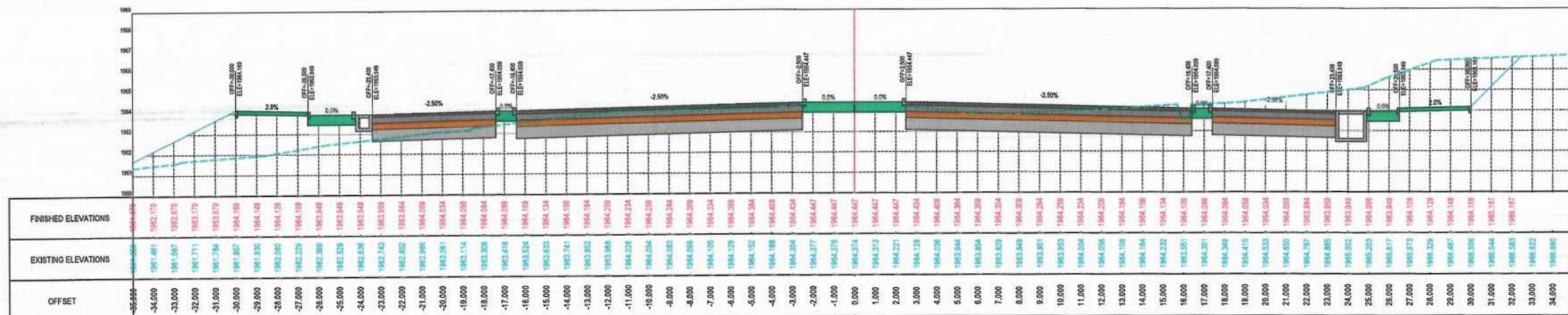
Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

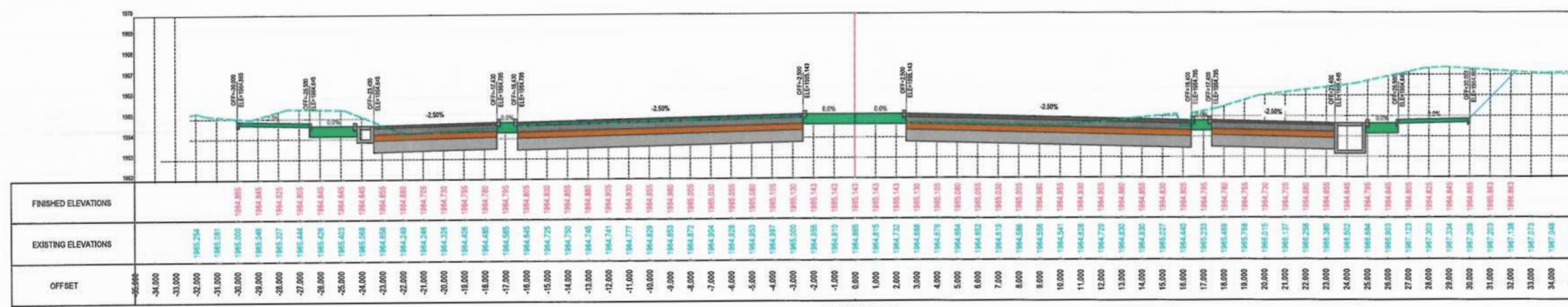
Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Easa Sirat
Checked by: Habibullah Shalizi

Date: 10/10/2023
Scale: 1:250
Status: FINAL DESIGN

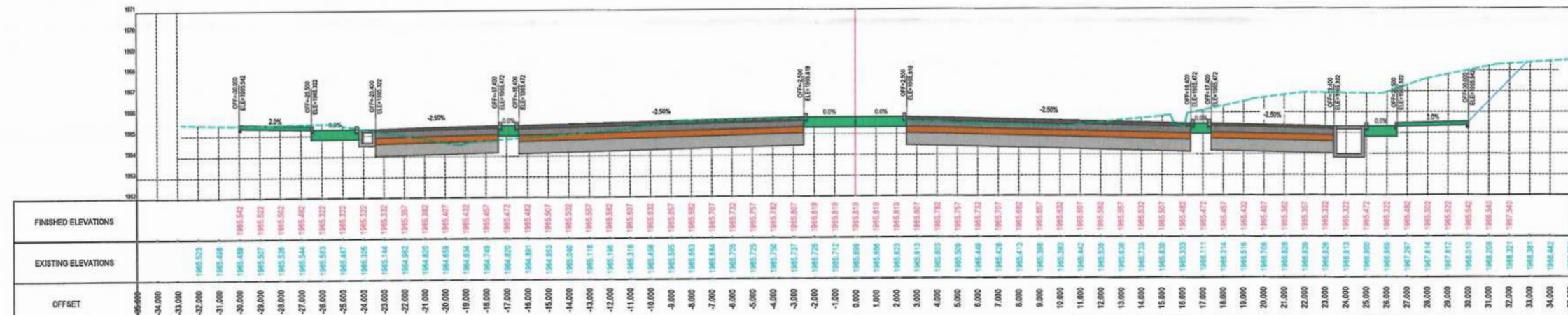
Drawing Number: CS-12
Revision: 00



STATION=0+720



STATION=0+700



STATION=0+680

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAI, KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

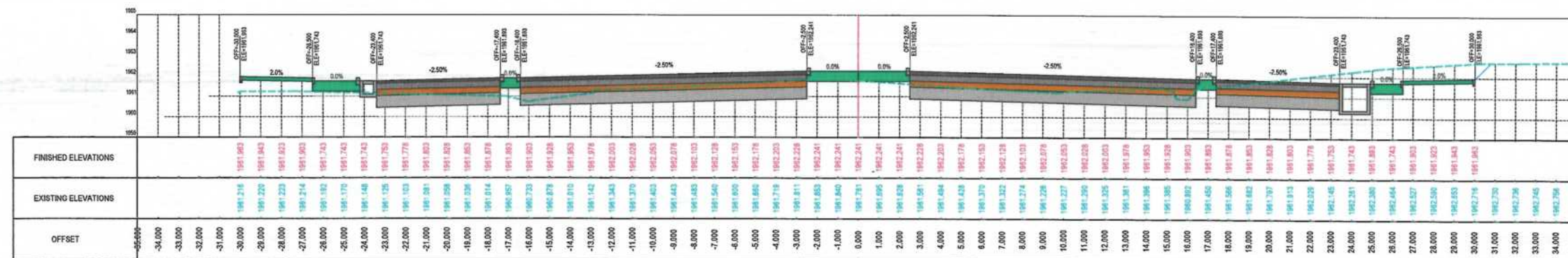
Date:
10/10/2023

Scale:
1:250
A3

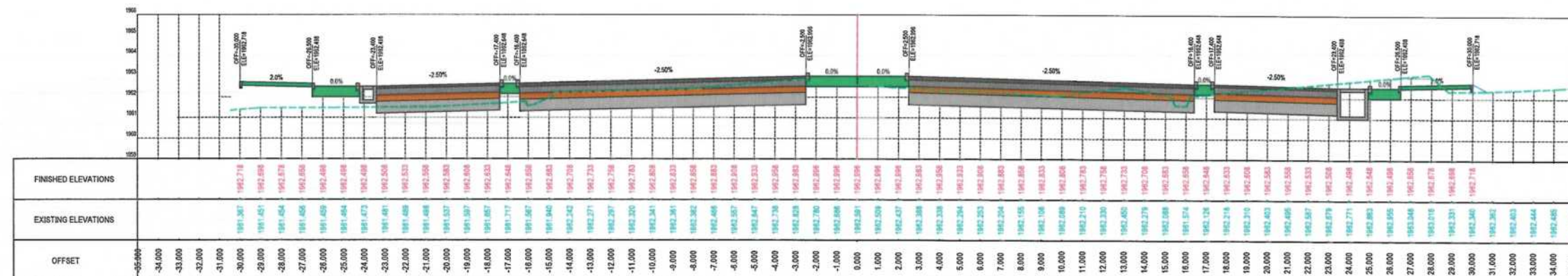
Status:
FINAL DESIGN

Drawing Number
CS-13

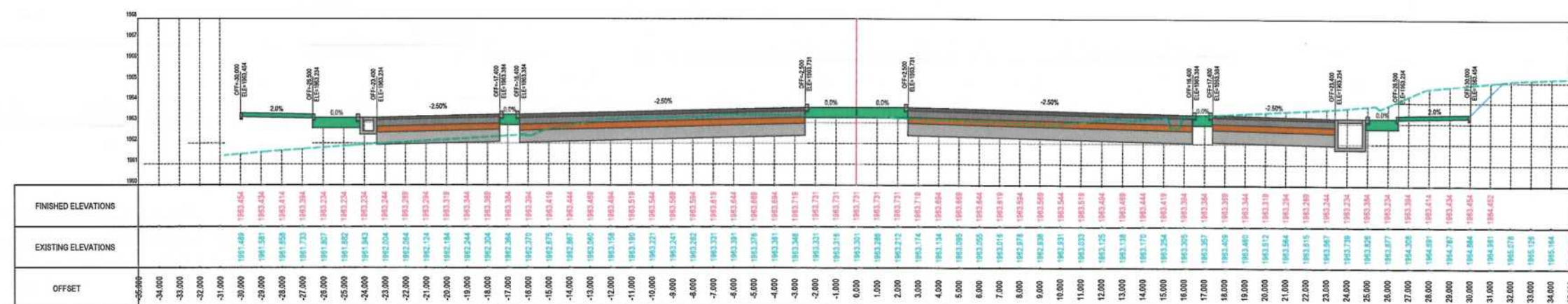
Revision
00



STATION=0+760



STATION=0+760



STATION=0+740

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

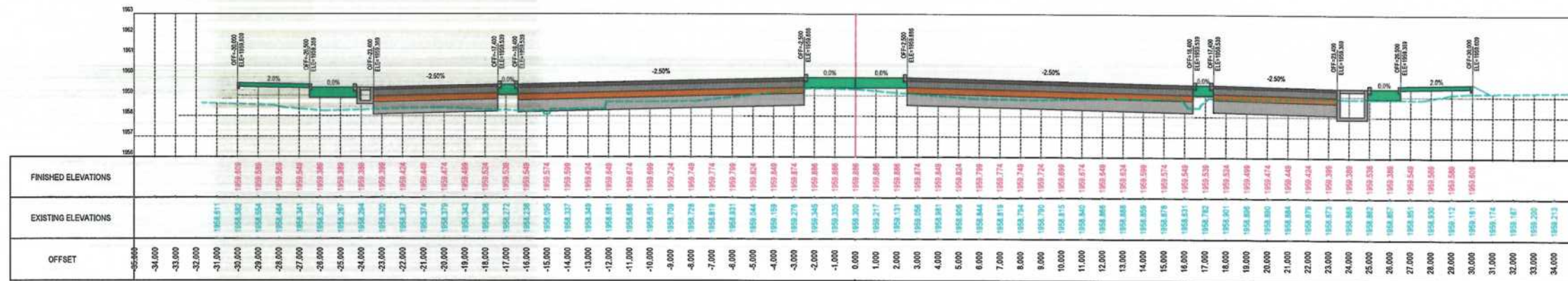
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Surat
Checked by: Haniullah Shalizi

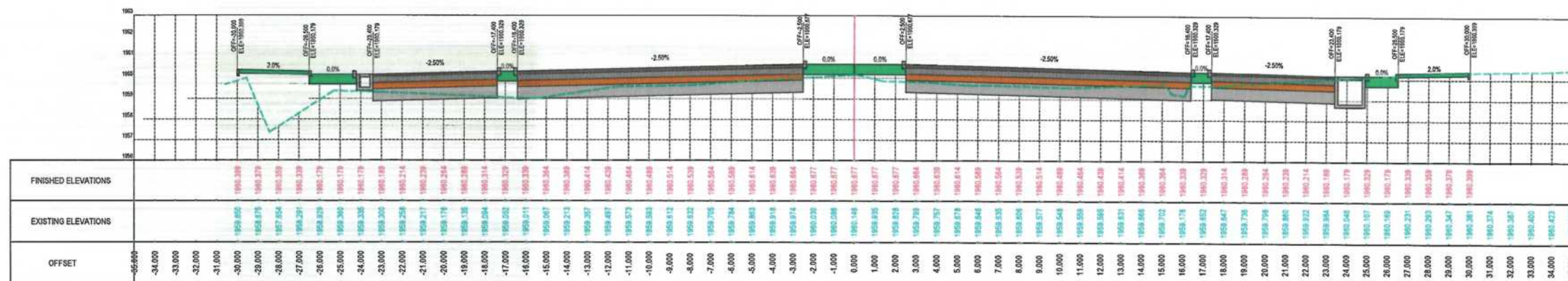
Date: 10/10/2023
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Status: FINAL DESIGN

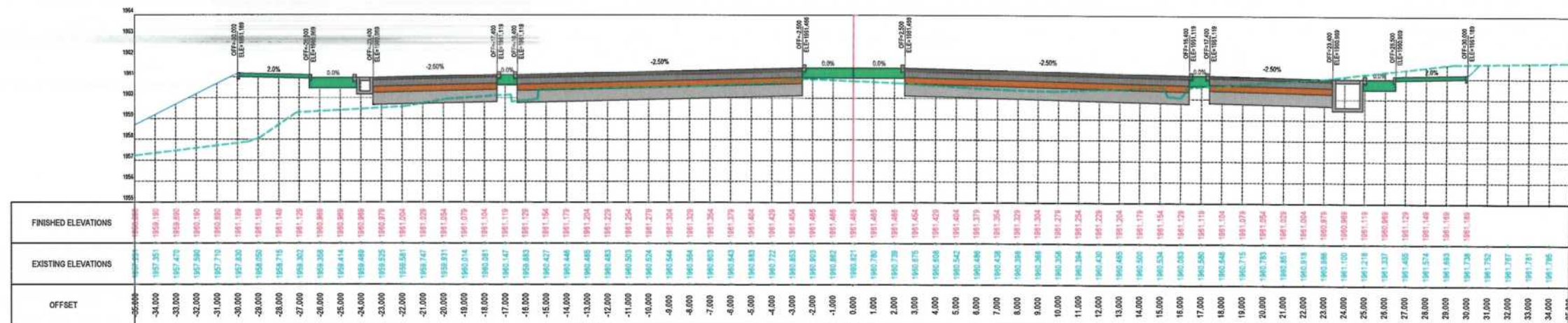
Drawing Number: CS-14
Revision: 00



STATION=0+840



STATION=0+820



STATION=0+800

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

--- CENTER-LINE
--- EXISTING SURFACE



Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

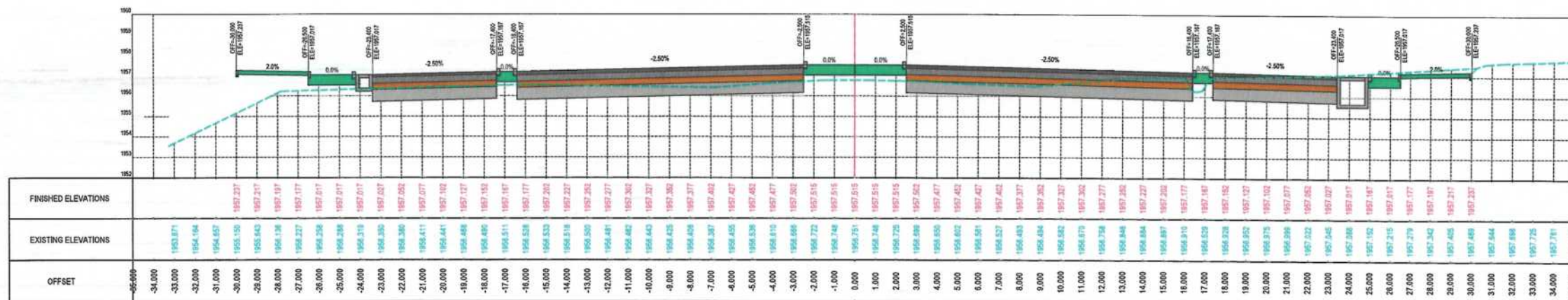
Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sirat
Checked by: Haniullah Shalizi

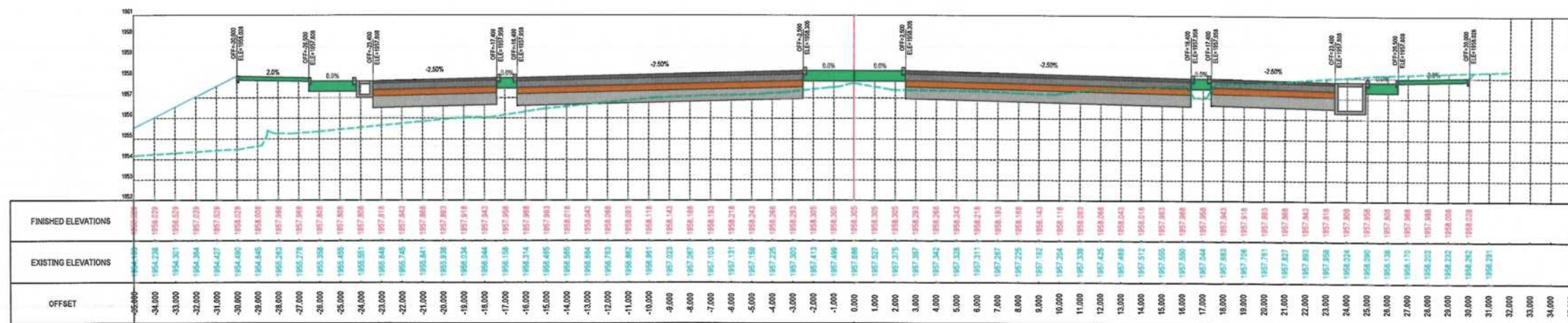
Date: 10/10/2023 Scale: 1:250

Status: FINAL DESIGN

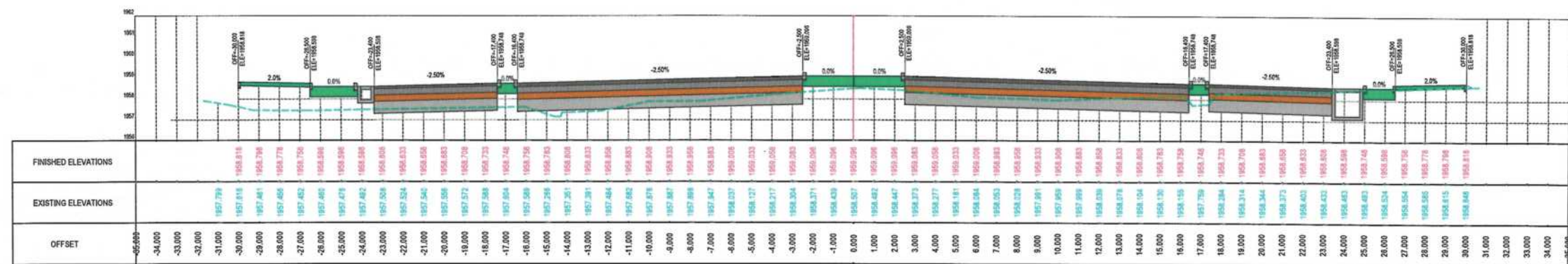
Drawing Number: CS-15 Revision: 00



STATION=0+900



STATION=0+880



STATION=0+860

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

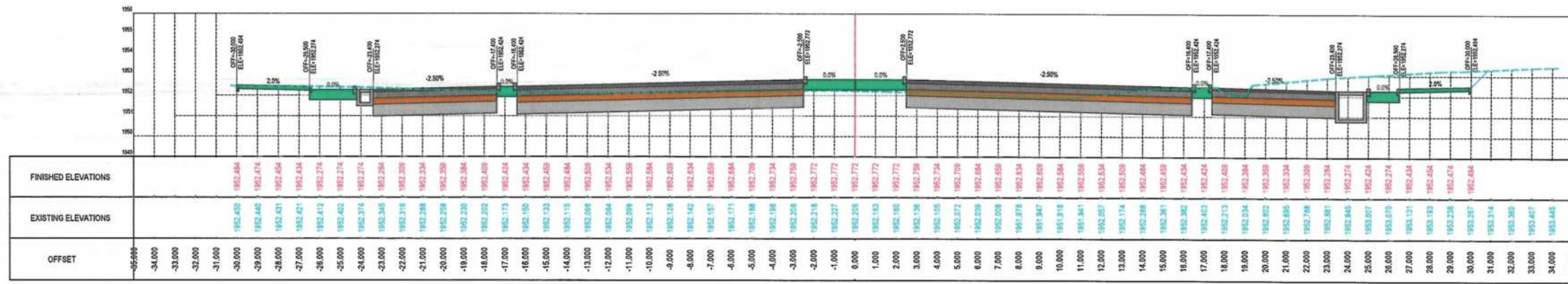
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Eisa Sini
Checked by: Habibullah Shalizi

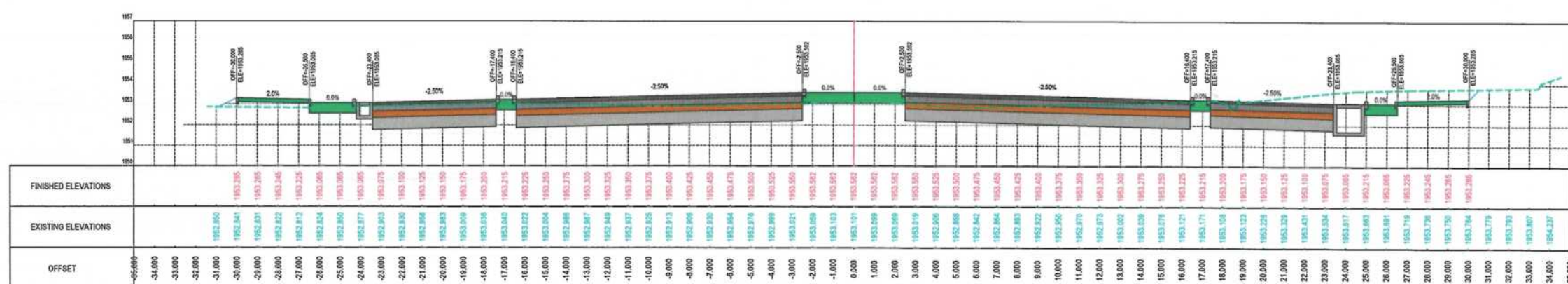
Date: 10/10/2023
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A3

Status: FINAL DESIGN

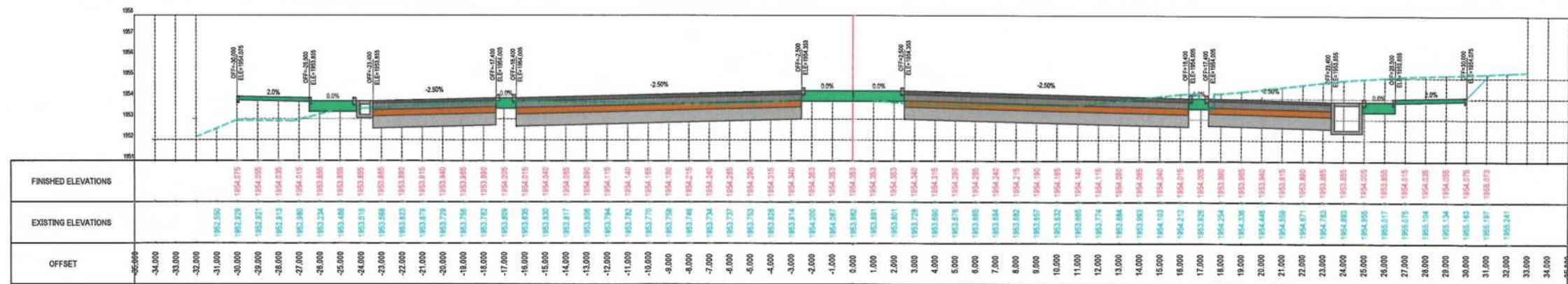
Drawing Number: CS-16
Revision: 00



STATION=1+020



STATION=1+000



STATION=0+980

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sirt
Checked by: Habibullah Shalizi

Date: 10/10/2023
Scale: 1:250

Status: FINAL DESIGN

Drawing Number: CS-18
Revision: 00

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

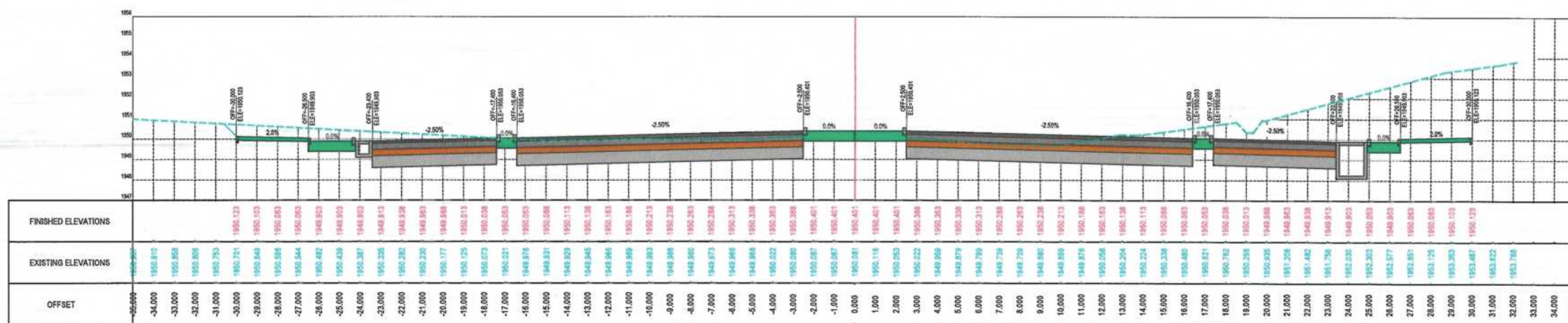
Drawing Title:
CROSS SECTIONS

| | |
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| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirat | Signature: |
| Checked by: Hambullah Shalizi | Signature: |

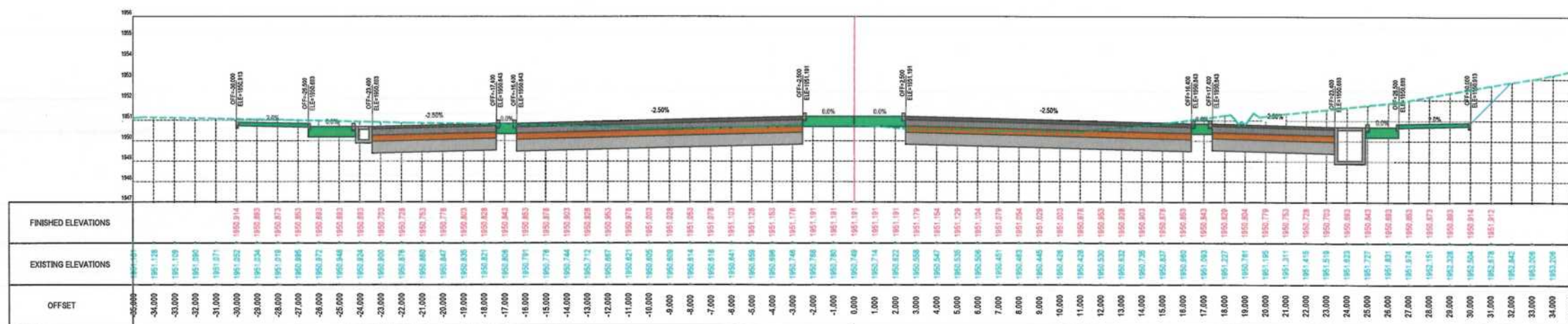
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| Date: 10/10/2023 | Scale: 1:250 AS |
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Status:
FINAL DESIGN

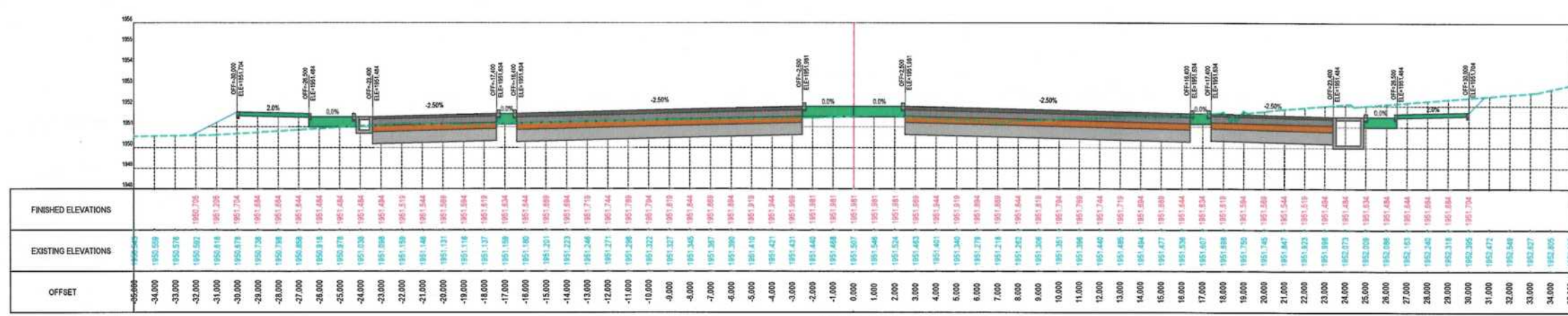
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| Drawing Number CS-19 | Revision 00 |
|-------------------------|----------------|



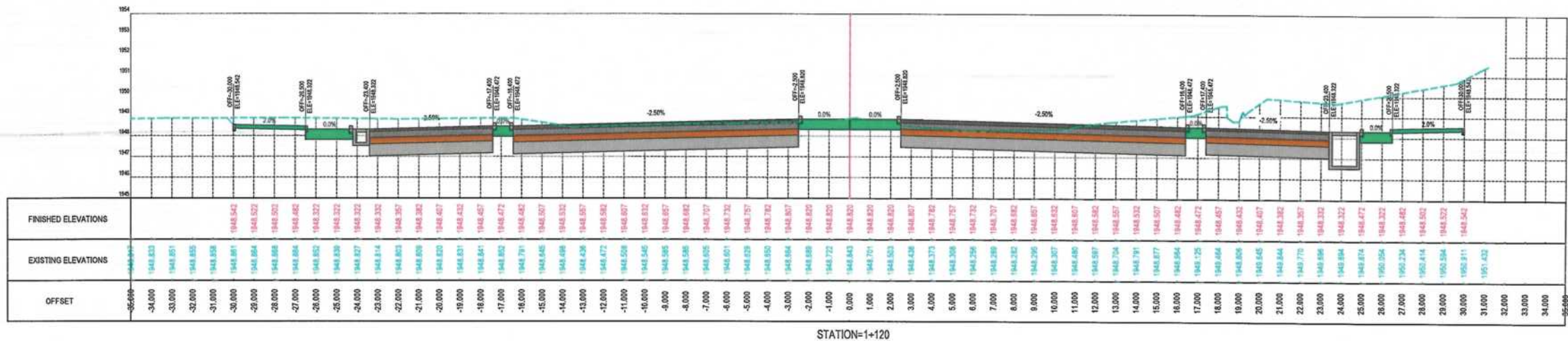
STATION=1+080



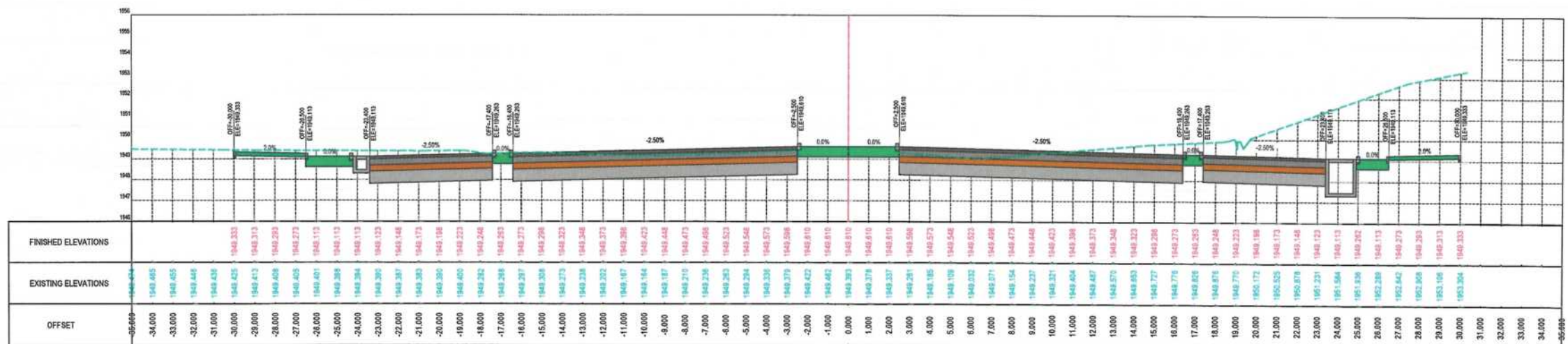
STATION=1+060



STATION=1+040



STATION=1+120



STATION=1+100

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata
 Drawn by: Rohullah Ata
 Checked by: M. Easa Sirat
 Checked by: Habibullah Shalizi

Date: 10/10/2023
 Scale: 1:250
 AS

Status: FINAL DESIGN

Drawing Number: CS-20
 Revision: 00

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

CROSS SECTIONS

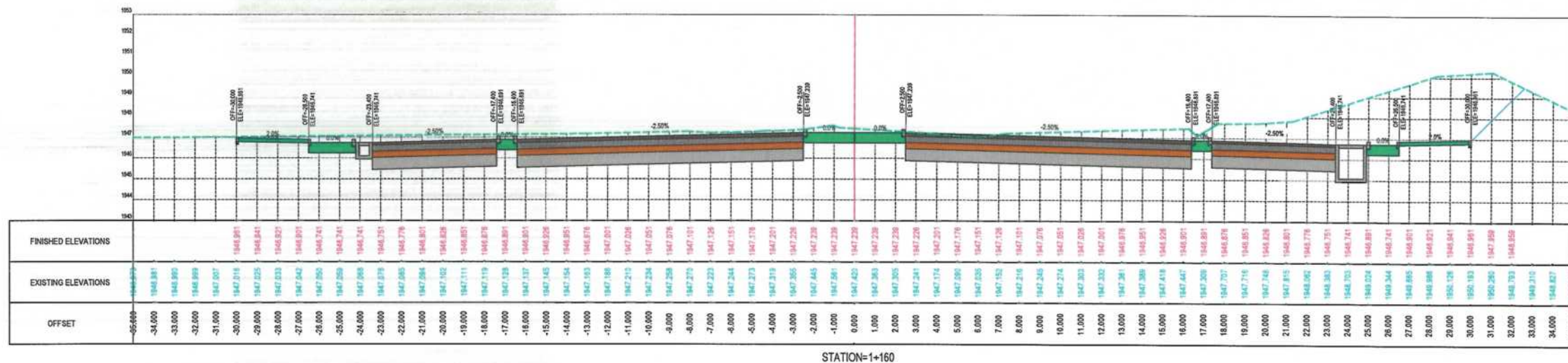
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| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirat | Signature: |
| Checked by: Hamidullah Shalizi | Signature: |

Date:
5/02/2023

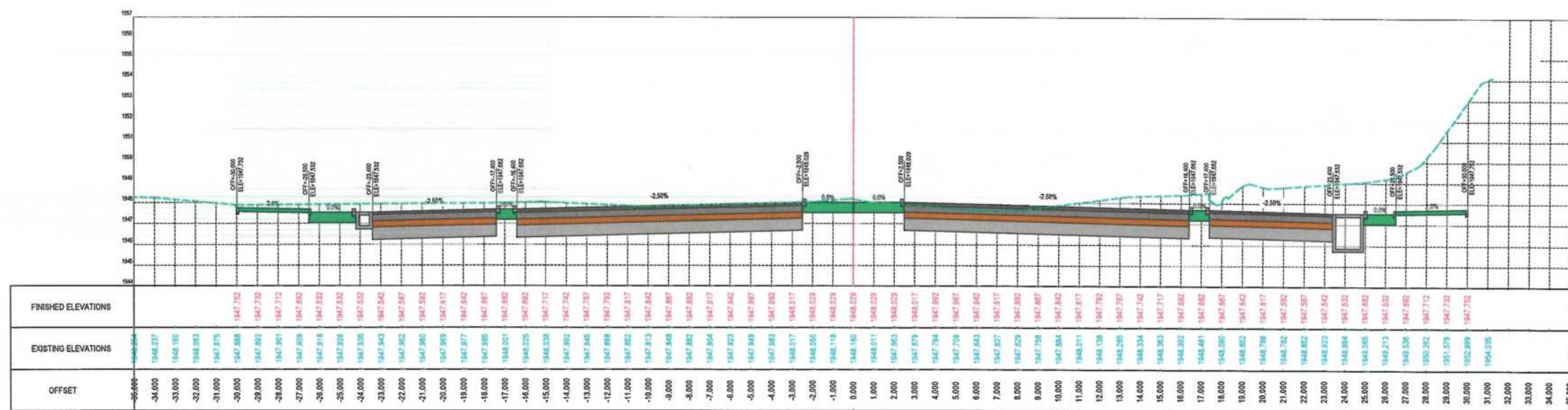
Scale:
1:250
AS

Status:
FINAL DESIGN

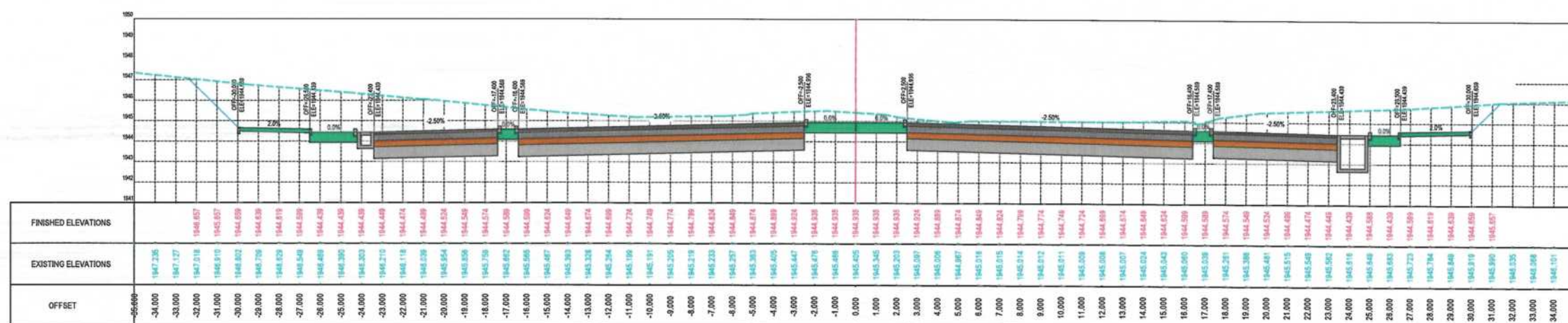
| | |
|----------------|----------|
| Drawing Number | Revision |
| CS-21 | 00 |



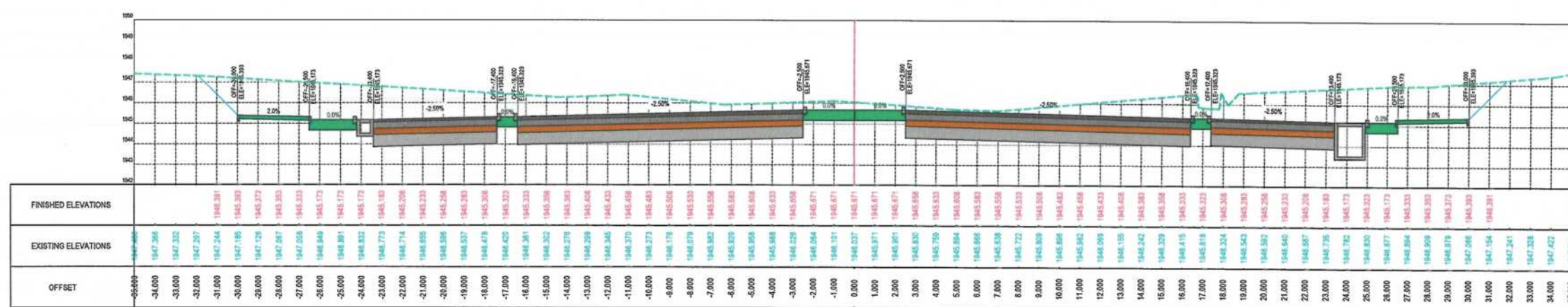
STATION=1+160



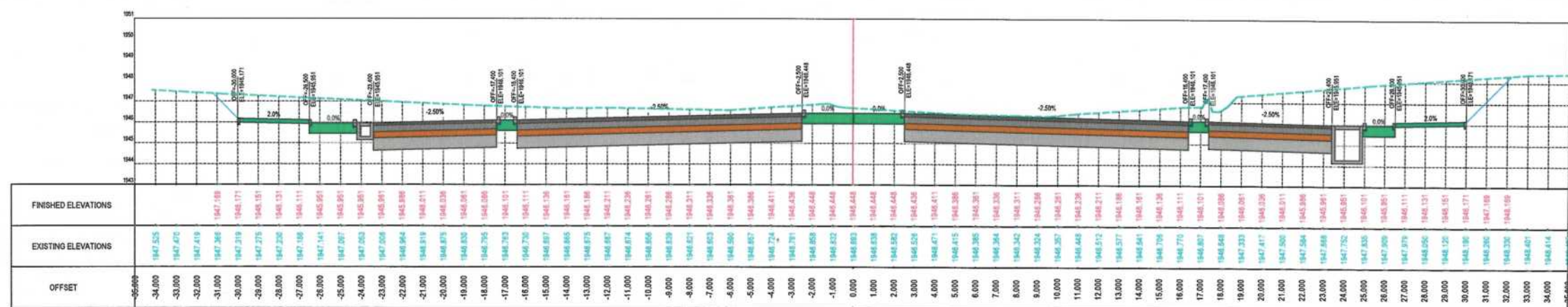
STATION=1+140



STATION=1+220



STATION=1+200



STATION=1+180

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

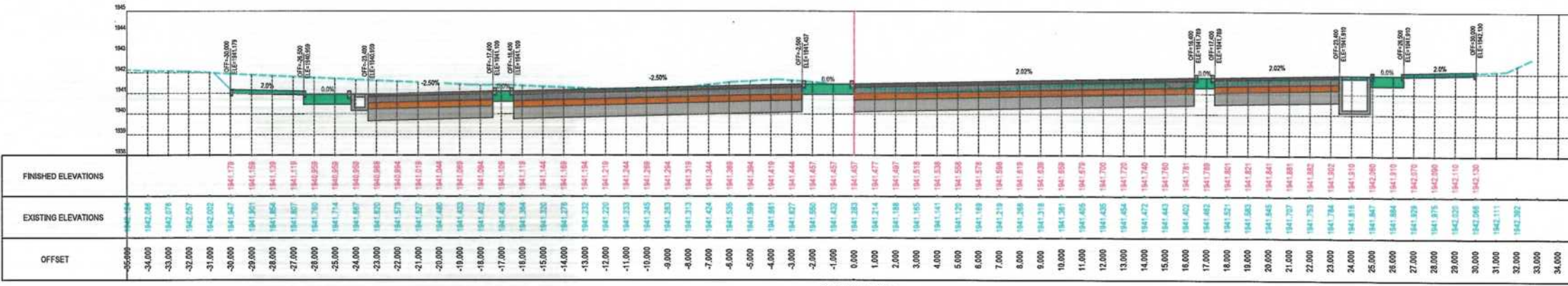
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sirat
Checked by: Heshmatullah Shalizi

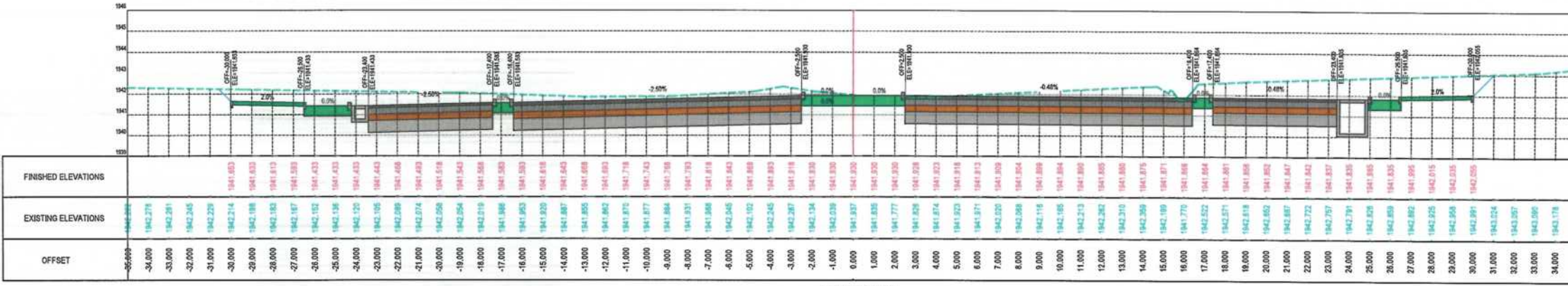
Date: 10/10/2023
Scale: 1:250

Status: FINAL DESIGN

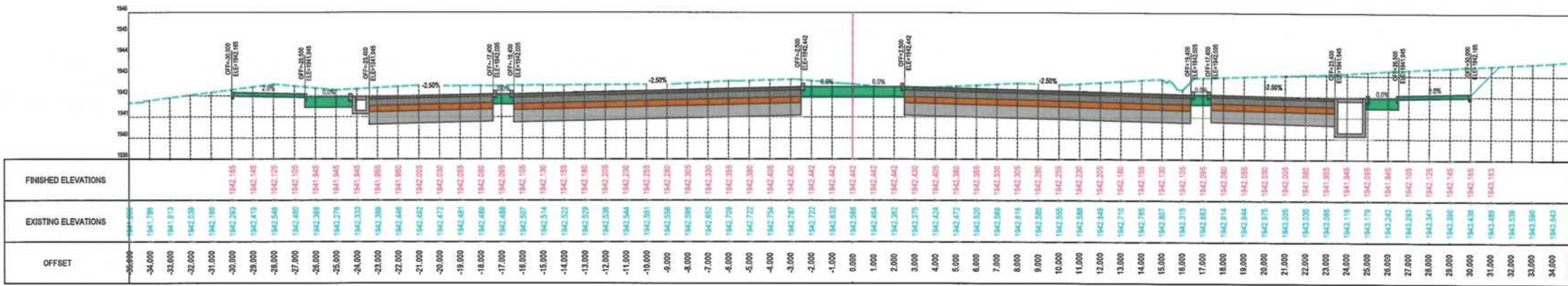
Drawing Number: CS-22
Revision: 00



STATION=1+340



STATION=1+320



STATION=1+300

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

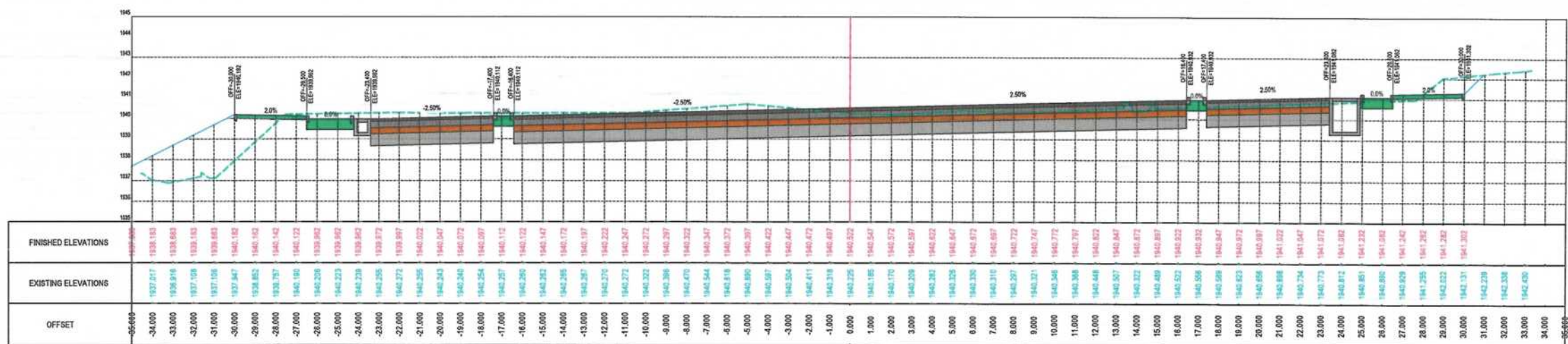
Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Easa Sirat
Checked by: Habibullah Shalizi

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

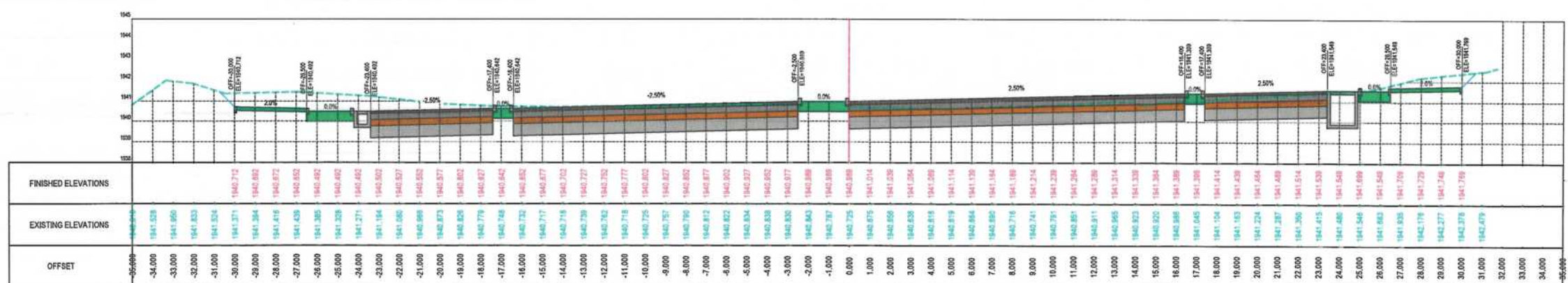
Date: 10/10/2023
Scale: 1:250
AS

Status: FINAL DESIGN

Drawing Number: CS-24
Revision: 00



STATION=1+380



STATION=1+360

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| | | |
|------|------------------|-------|
| Date | Revision Details | Drawn |
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

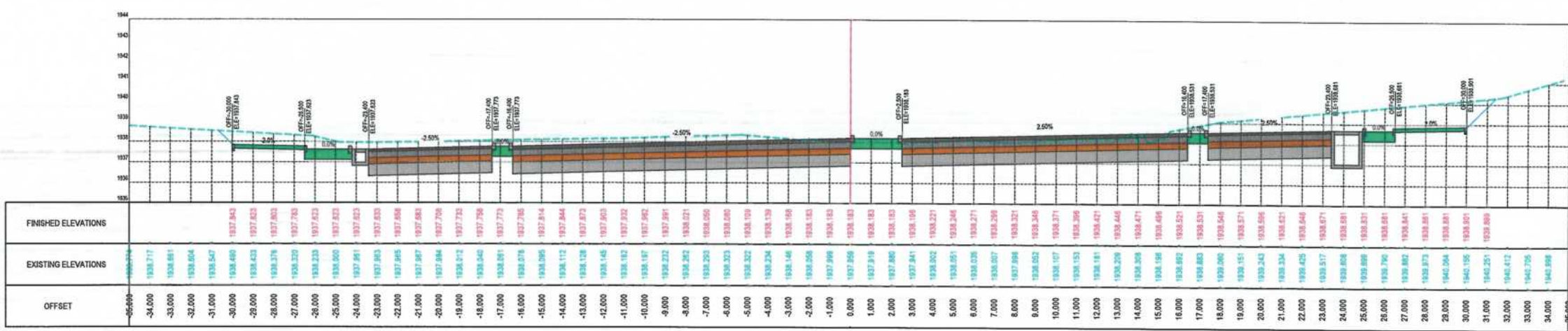
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sirat
Checked by: Haniullah Shalizi

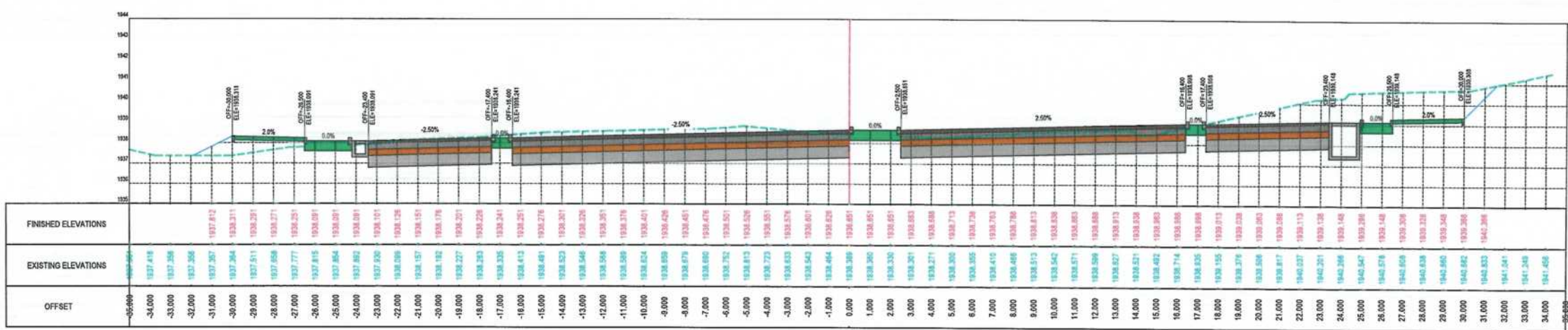
Date: 10/10/2023
Scale: 1:200

Status: FINAL DESIGN

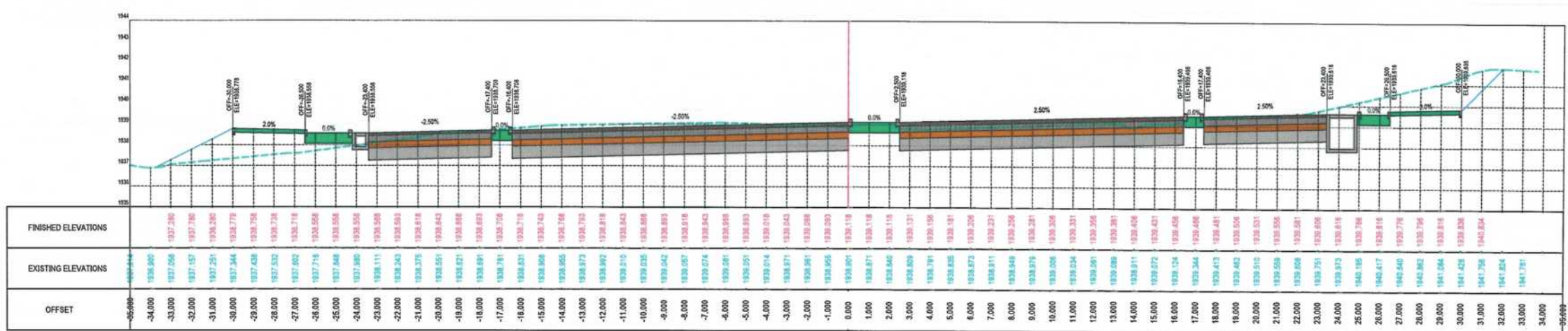
Drawing Number: CS-25
Revision: 00



STATION=1+440



STATION=1+460



STATION=1+440

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

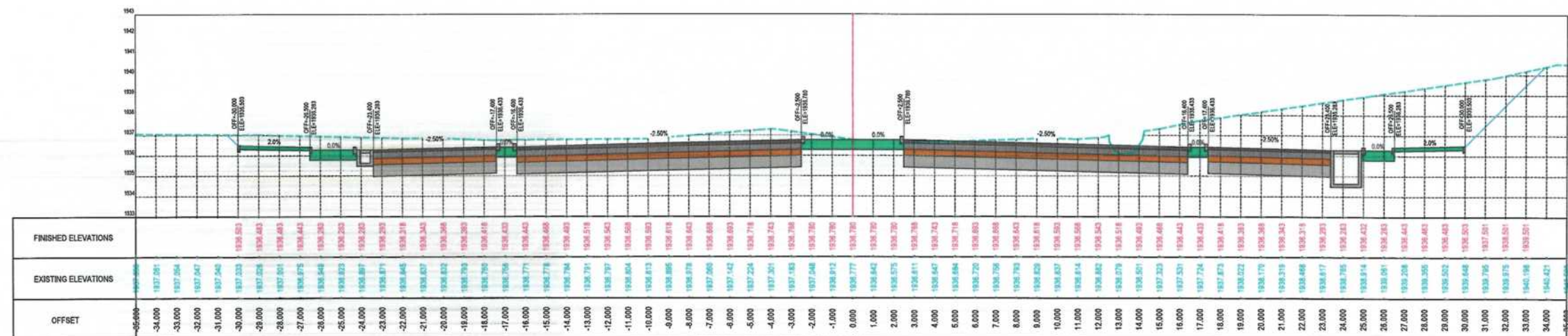
Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Essa Sinal
Checked by: Hamidullah Shalizi

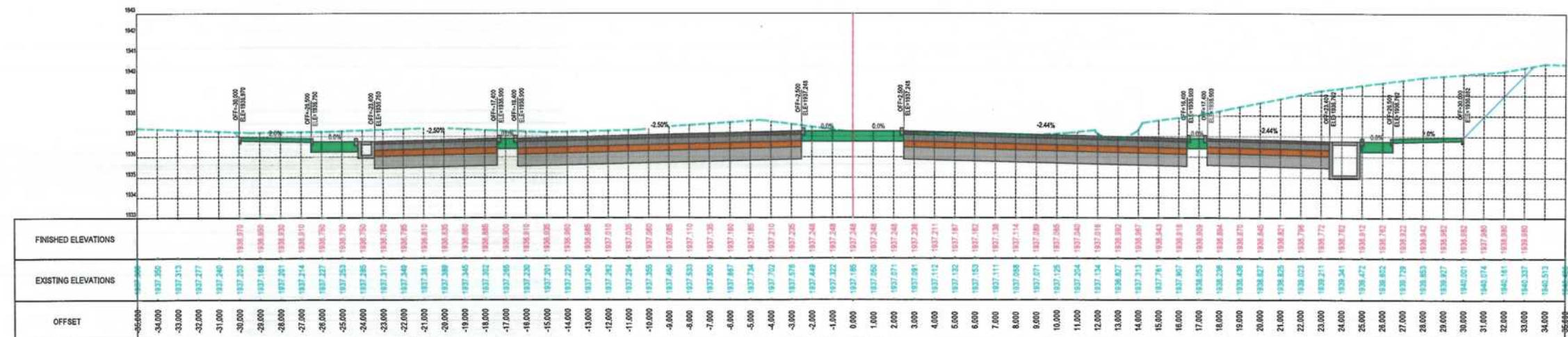
Date: 10/10/2023
Scale: 1:250
A3

Status: FINAL DESIGN

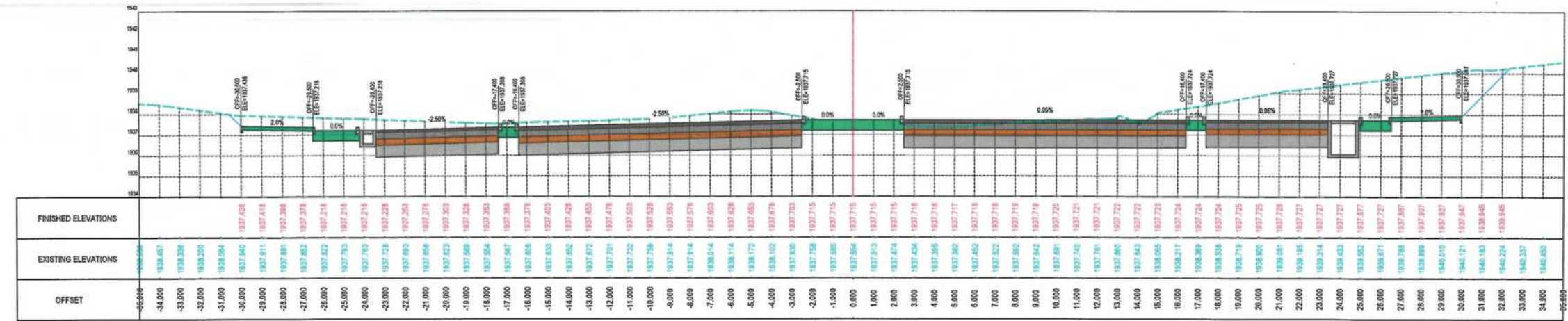
Drawing Number: CS-27
Revision: 00



STATION=1+540



STATION=1+520



STATION=1+500

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

Date: Revision Details: Drawn:

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

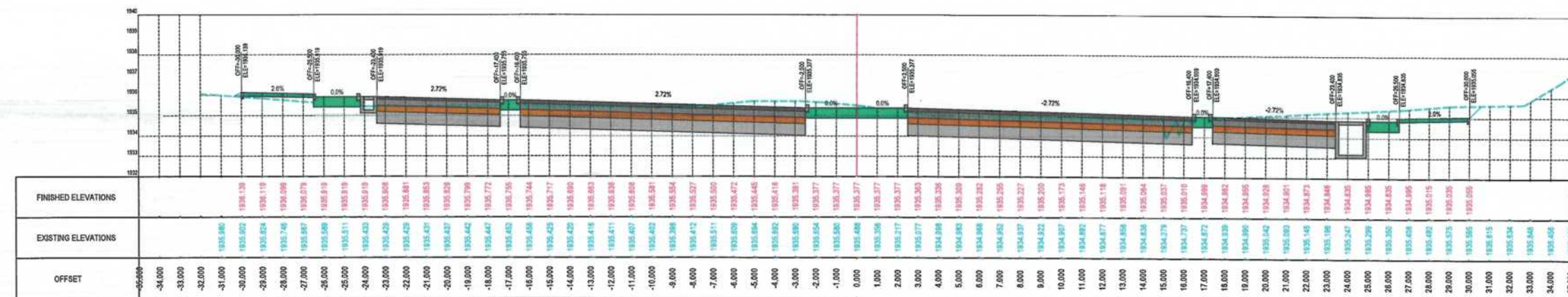
Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata Signature: [Signature]
Drawn by: Rohullah Ata Signature: [Signature]
Checked by: M. Easa Sanaat Signature: [Signature]
Checked by: Habibullah Shalizi Signature: [Signature]

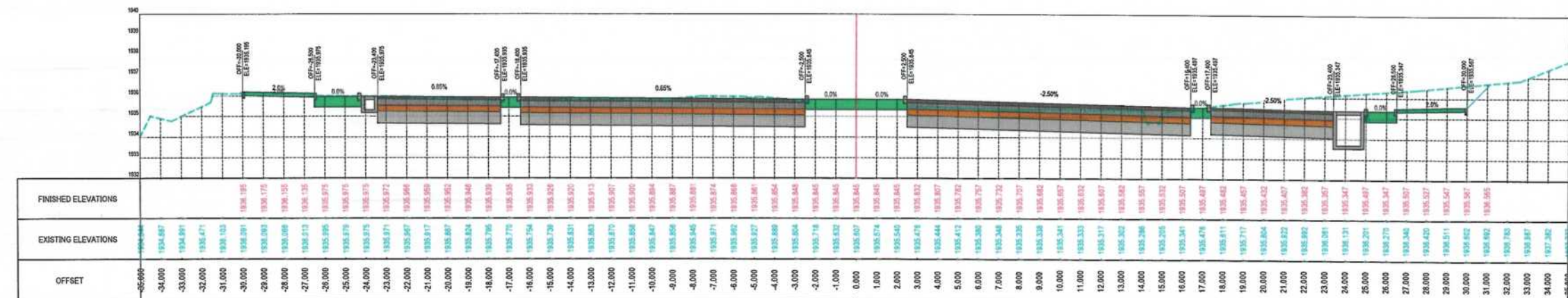
Date: 10/10/2023 Scale: 1:250
AS

Status: FINAL DESIGN

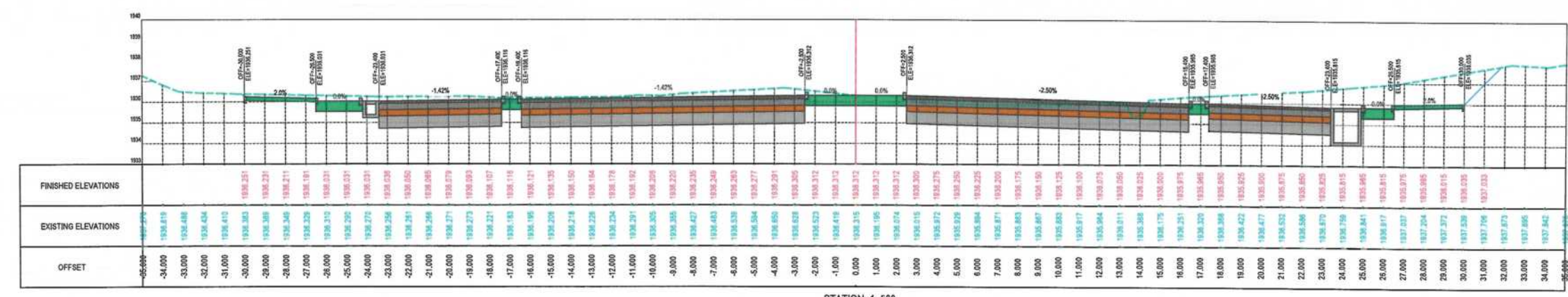
Drawing Number: CS-28 Revision: 00



STATION=1+600



STATION=1+580



STATION=1+560

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

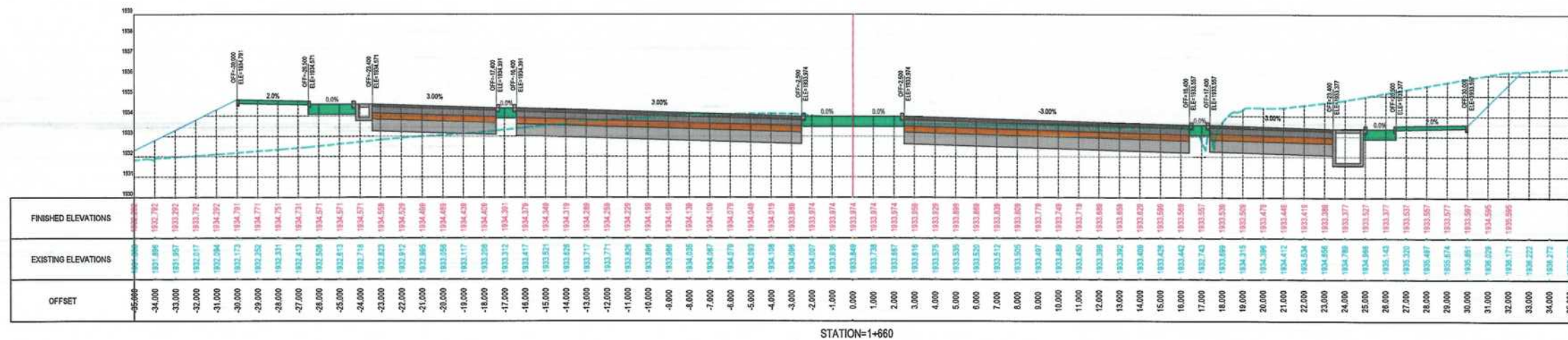
Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Ensa Sirat
Checked by: Hasebullah Shalizi

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

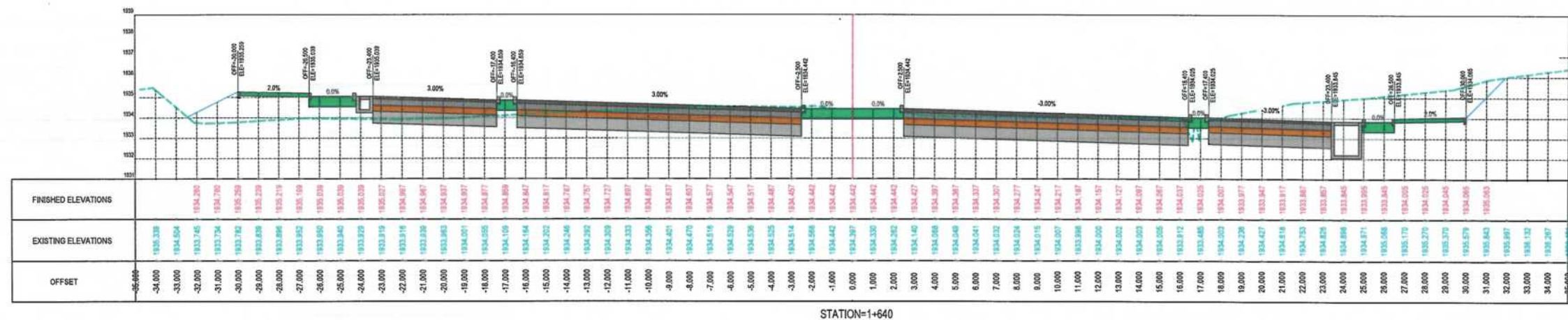
Date: 10/10/2023
Scale: 1:250
AS

Status: FINAL DESIGN

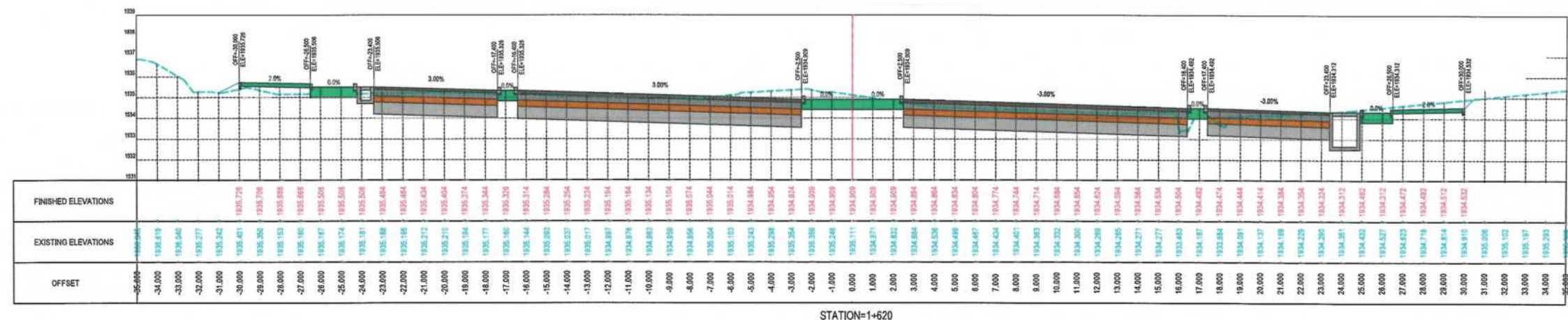
Drawing Number: CS-29
Revision: 00



STATION=1+660



STATION=1+640



STATION=1+620

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

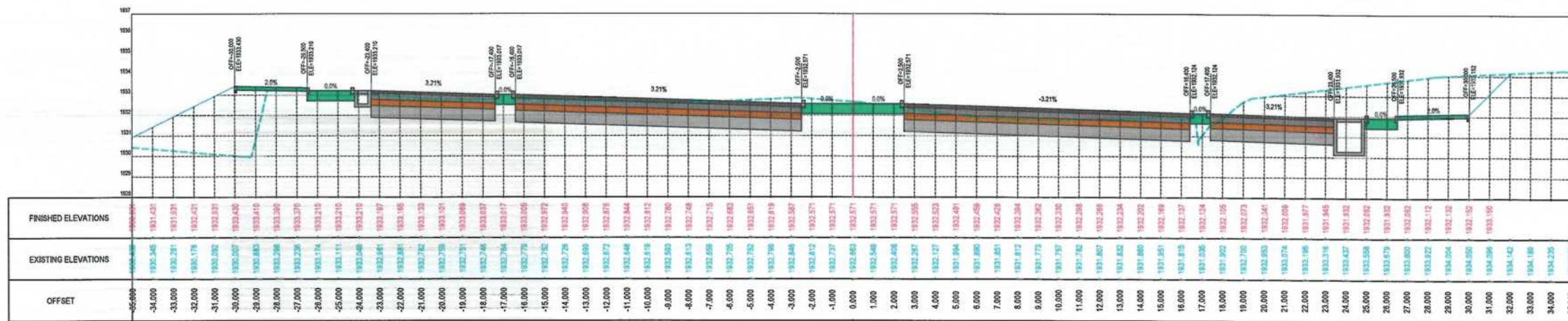
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Srat
Checked by: Hasibullah Shalizi

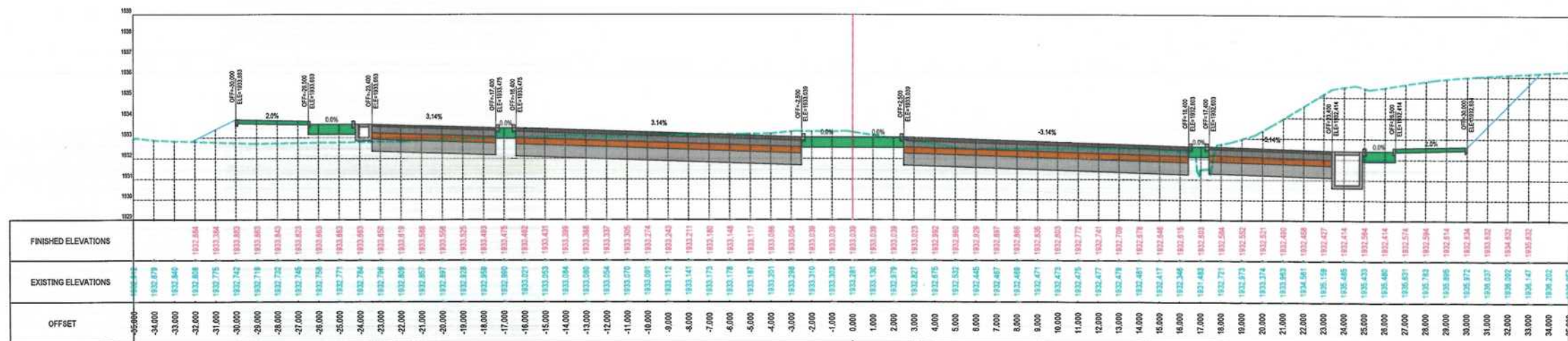
Date: 10/10/2023
Scale: 1:250
AS

Status: FINAL DESIGN

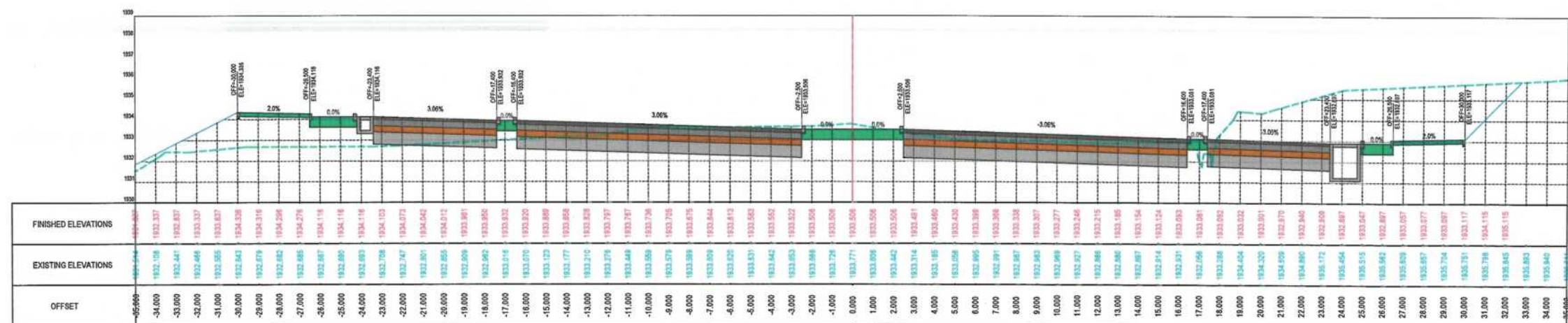
Drawing Number: CS-30
Revision: 00



STATION=1+720



STATION=1+700



STATION=1+680

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

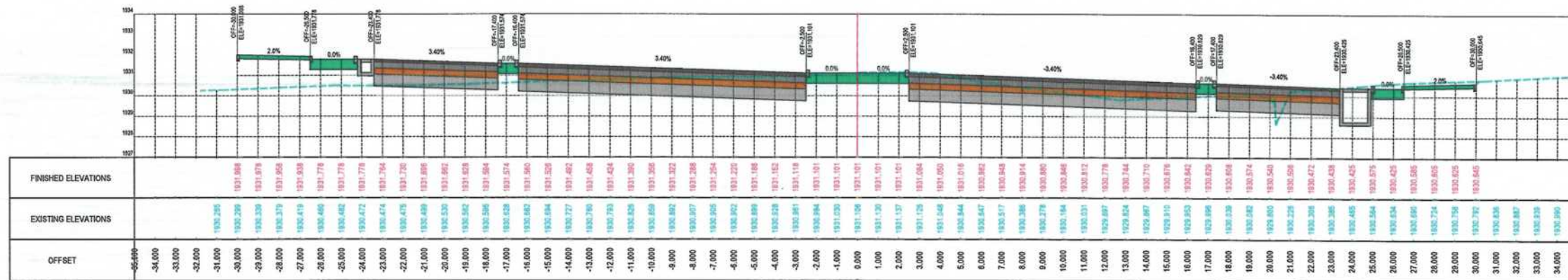
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Easa Sirat
Checked by: Hanbulah Shalizi

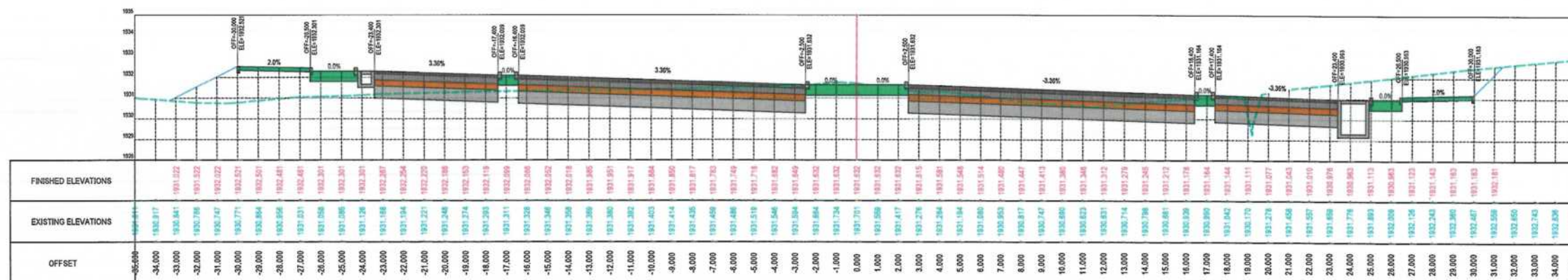
Date: 10/10/2023
Scale: 1:250
A3

Status: FINAL DESIGN

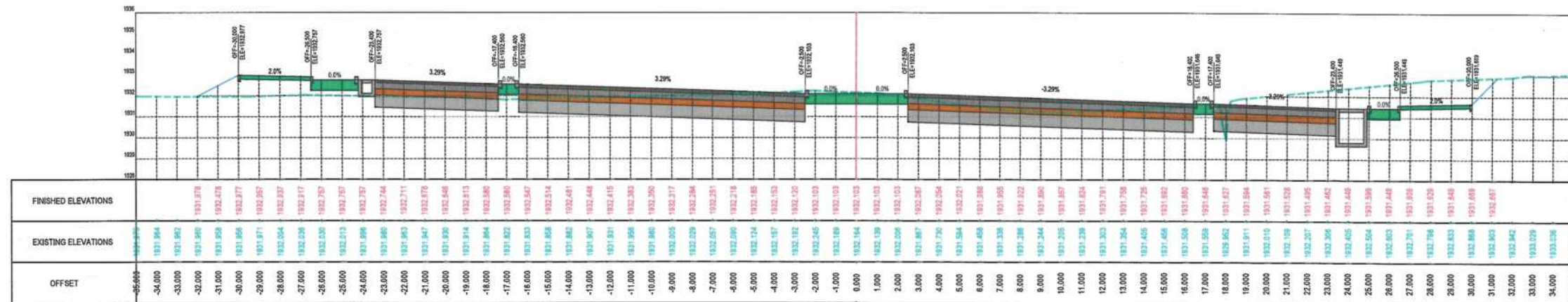
Drawing Number: CS-31
Revision: 00



STATION=1+780



STATION=1+760



STATION=1+740

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

| | |
|----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M. Ensa Sirat | Signature: |
| Checked by: Haniullah Shalizi | Signature: |

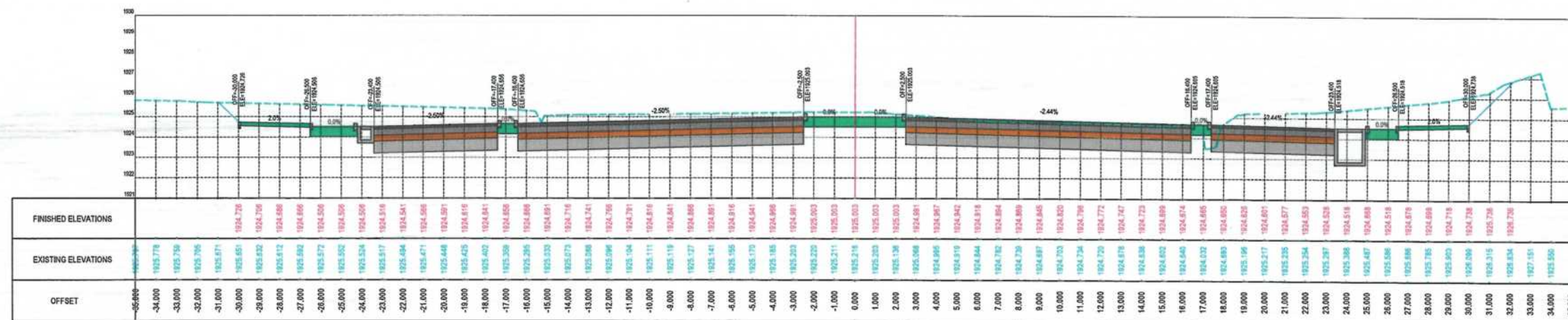
Date:
10/10/2023

Scale:
1:250

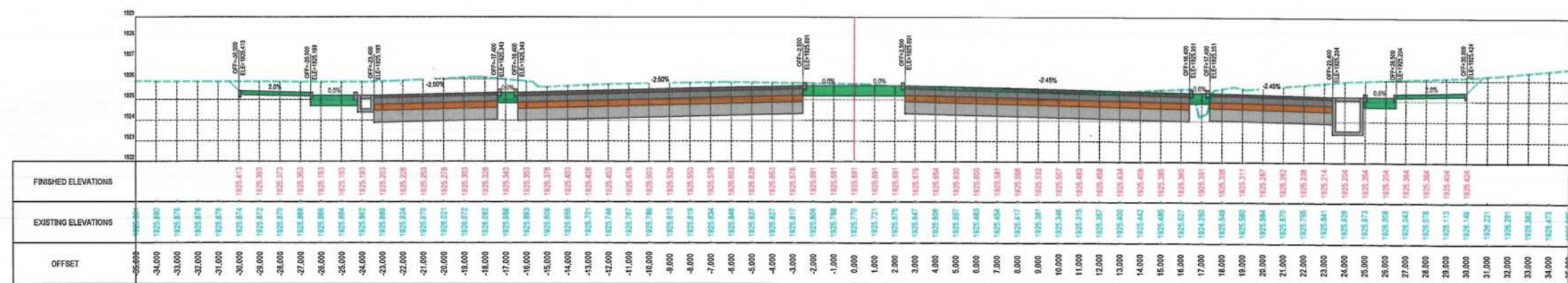
Status:
FINAL DESIGN

Drawing Number
CS-32

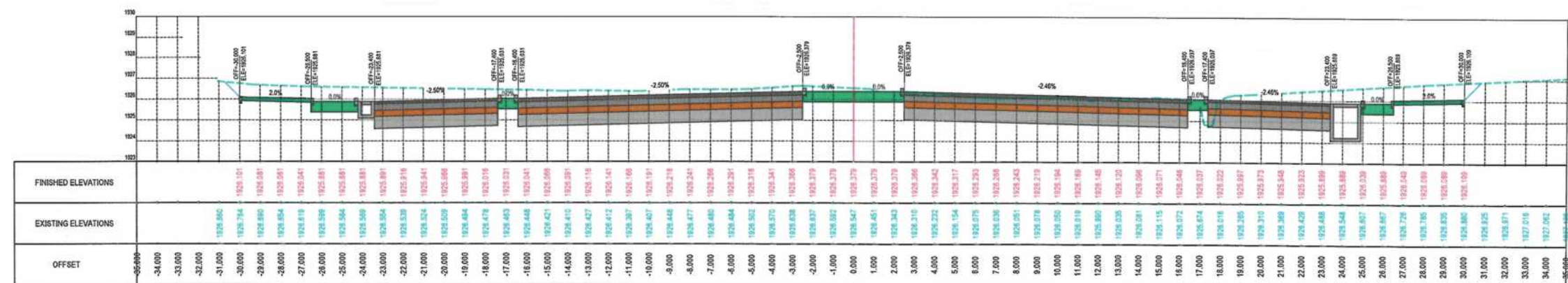
Revision
00



STATION=1+960



STATION=1+940



STATION=1+920

NOTE:

1. All dimensions are in meters unless otherwise indicated.

LEGENDS

--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

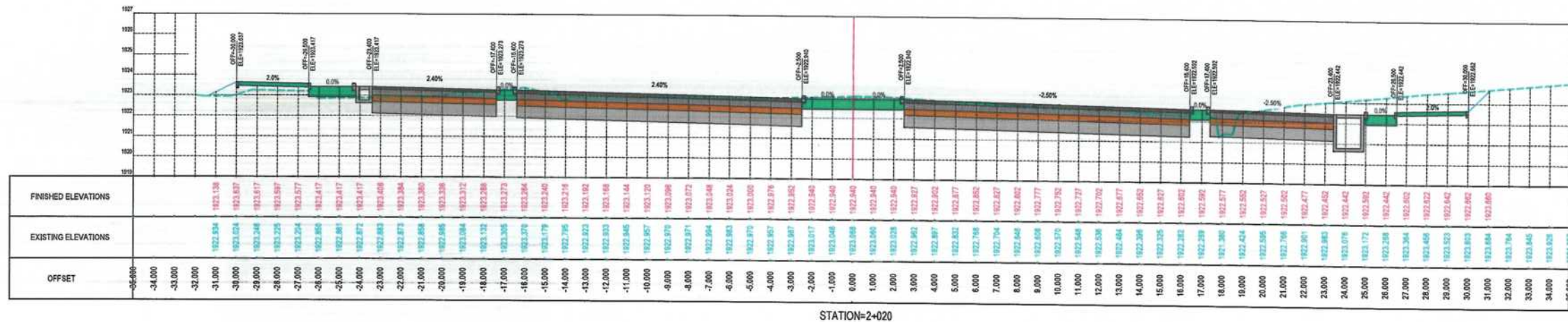
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Habibullah Shalizi

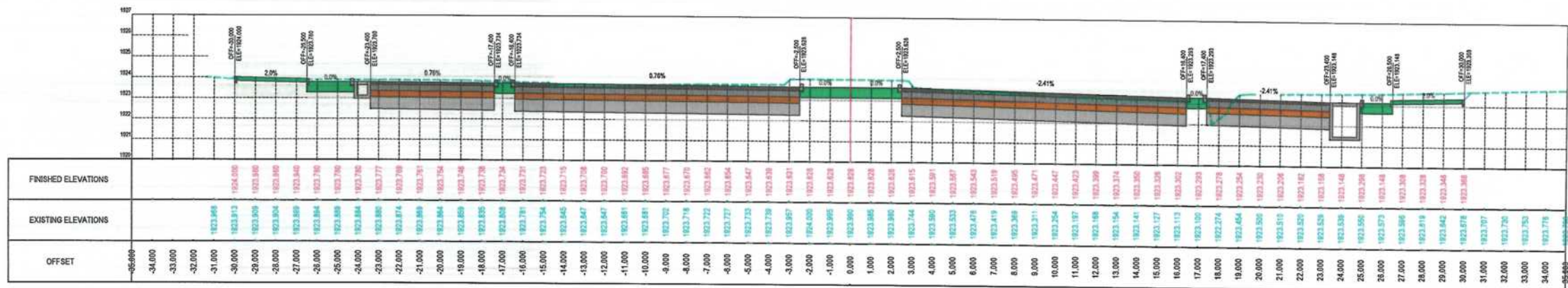
Date: 10/10/2023
Scale: 1:250

Status: FINAL DESIGN

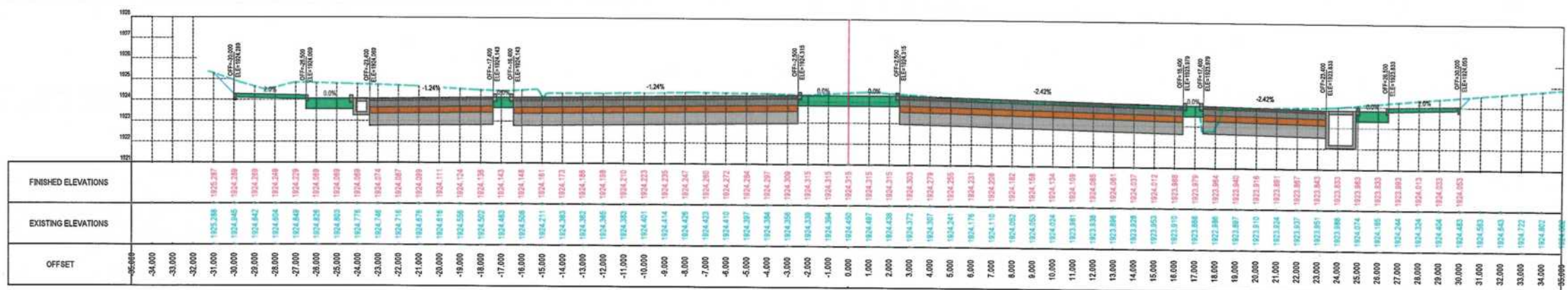
Drawing Number: CS-35
Revision: 00



STATION=2+020



STATION=2+000



STATION=1+980

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

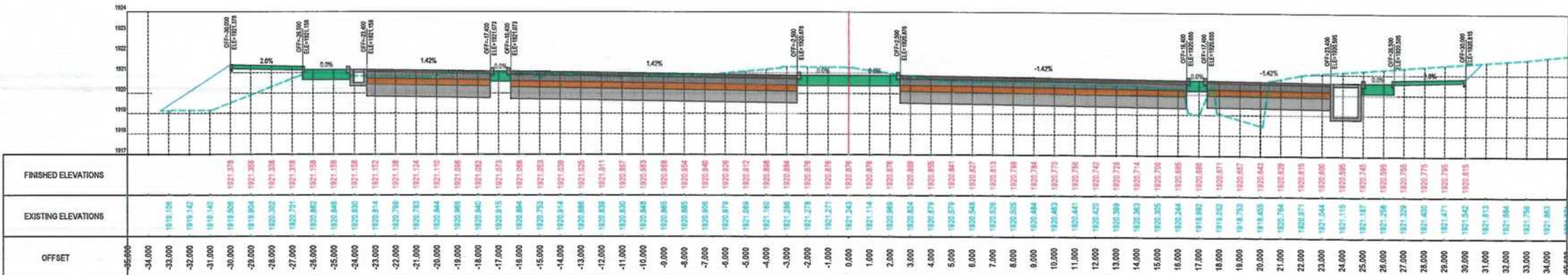
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Essa Sirat
Checked by: Hasibullah Shalizi

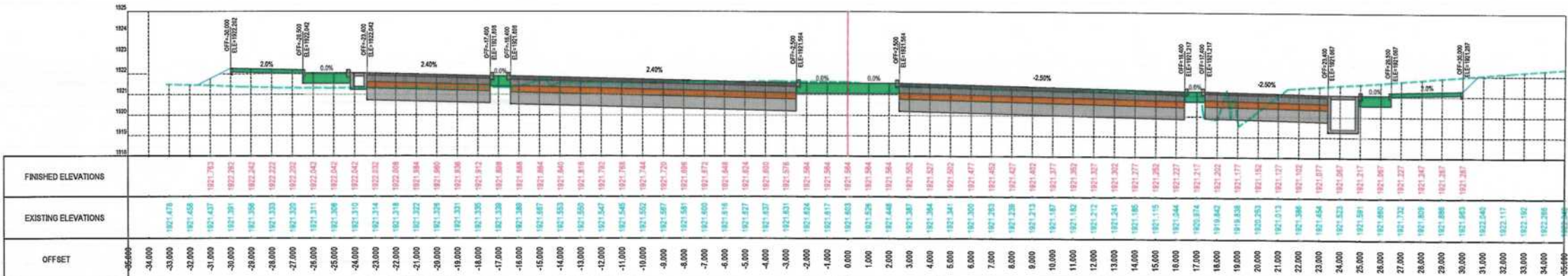
Date: 10/10/2023
Scale: 1:250
A3

Status: FINAL DESIGN

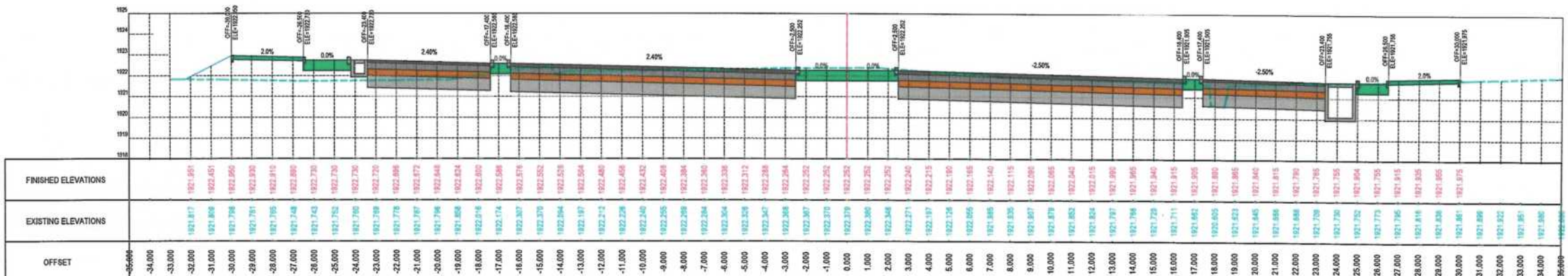
Drawing Number: CS-36
Revision: 00



STATION=2+080



STATION=2+060



STATION=2+040

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

| | |
|----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Eisa Sani | Signature: |
| Checked by: Hasbullah Shalizi | Signature: |

Date:
10/10/2023

Scale:
1:250
A3

Status:
FINAL DESIGN

Drawing Number
CS-37

Revision
00

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



Date Revision Details Drawn

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

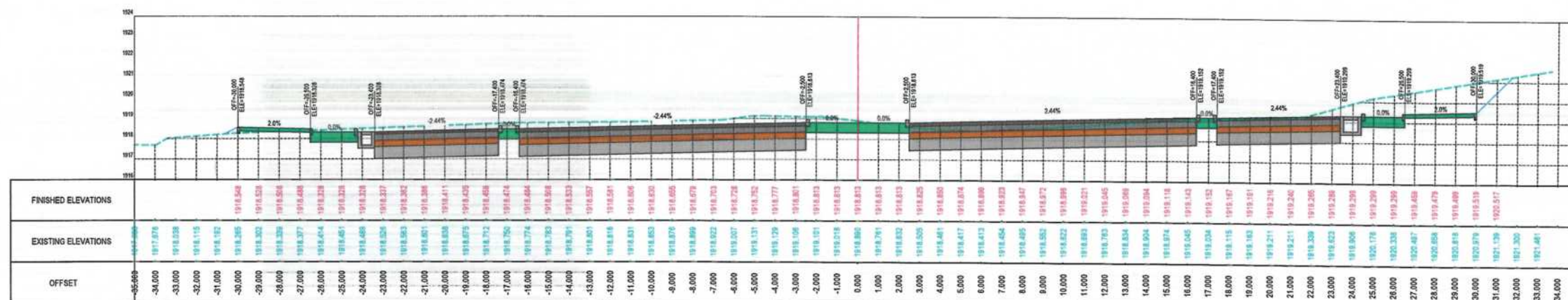
Drawing Title:
CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M. Eisa Sina
Checked by: Hasibullah Shalizi

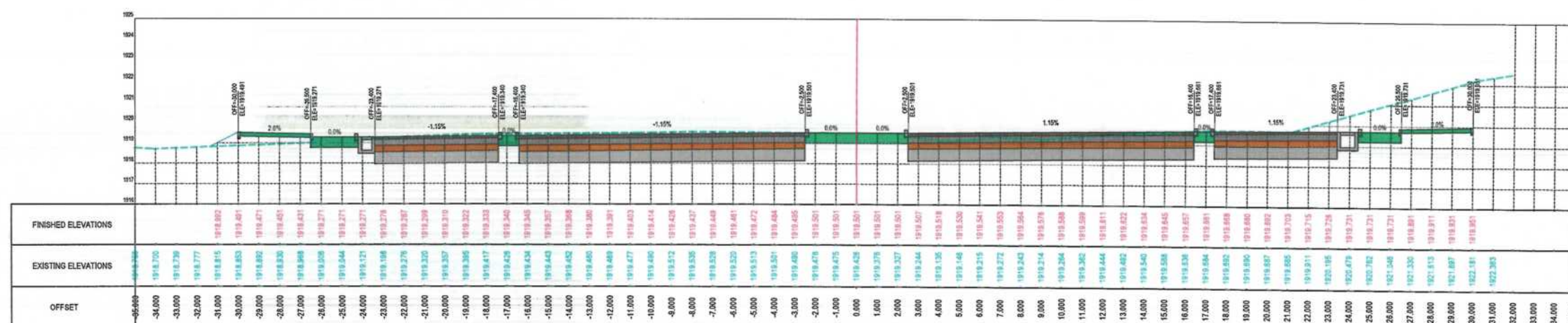
Date: 10/10/2023 Scale: 1:250 A3

Status: FINAL DESIGN

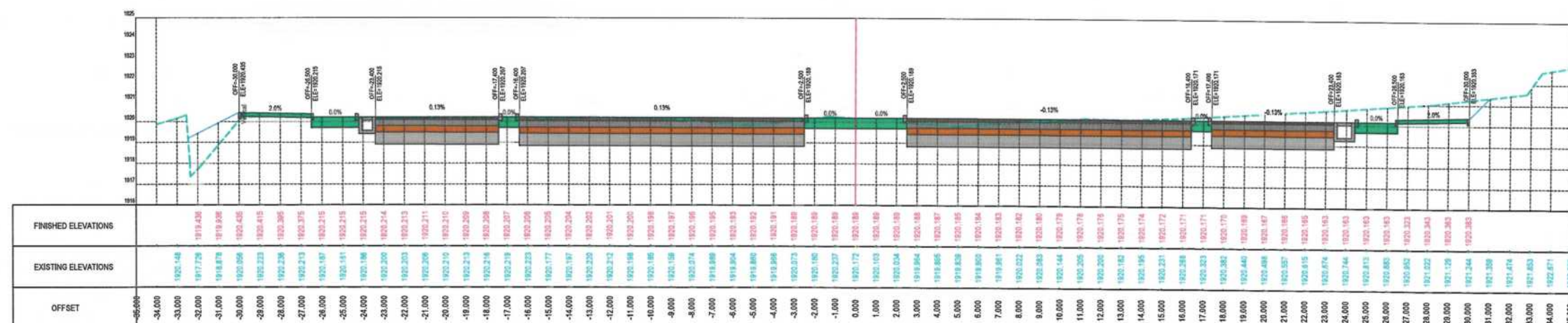
Drawing Number: CS-38 Revision: 00



STATION=2+140



STATION=2+120



STATION=2+100

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |
| | | |
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

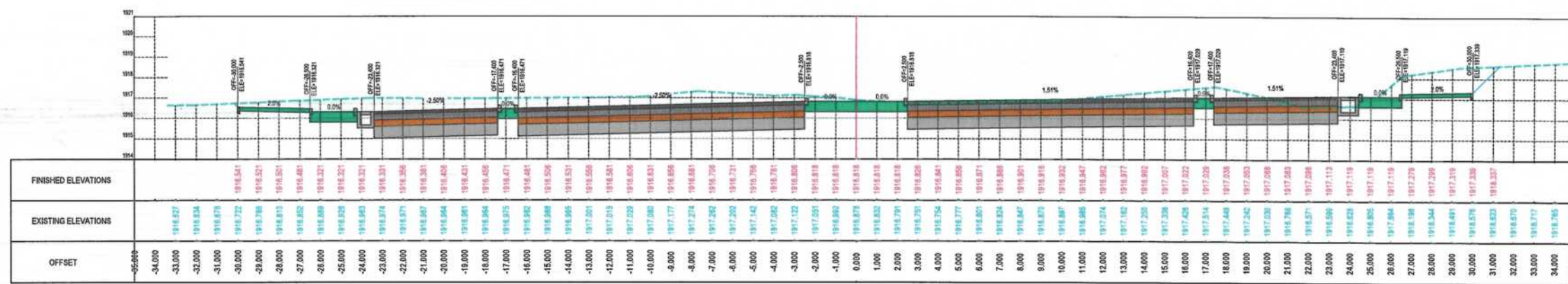
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|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sifat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date:
10/10/2023

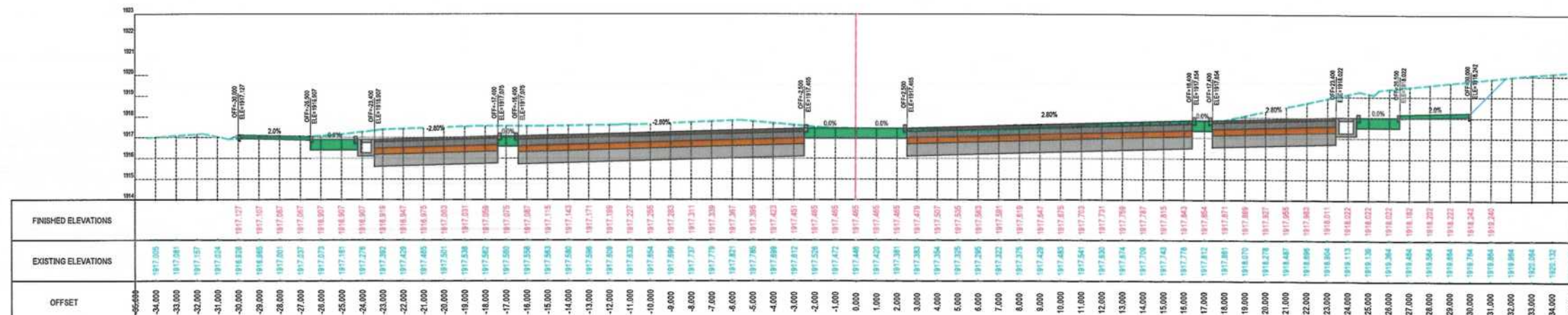
Scale:
1:250
A3

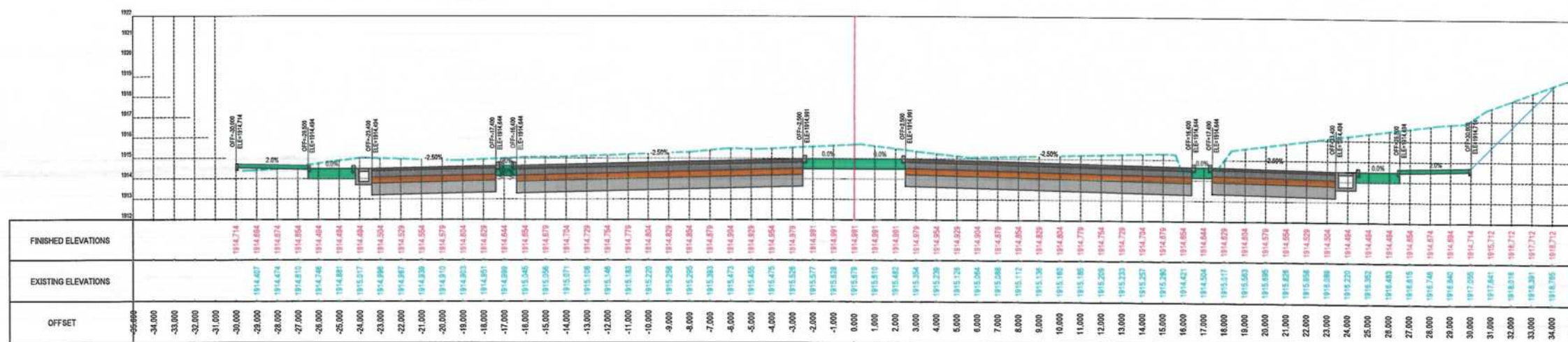
Status:
FINAL DESIGN

| | |
|----------------|----------|
| Drawing Number | Revision |
| CS-39 | 00 |

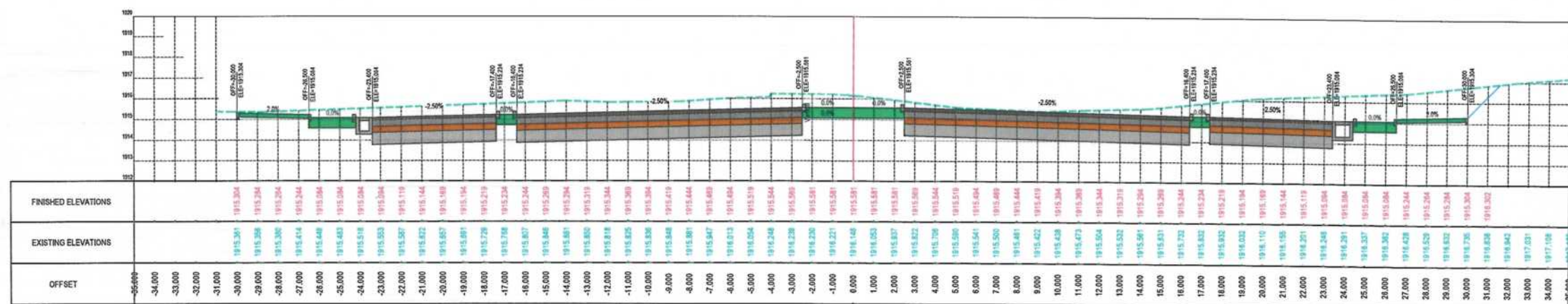


STATION=2+200

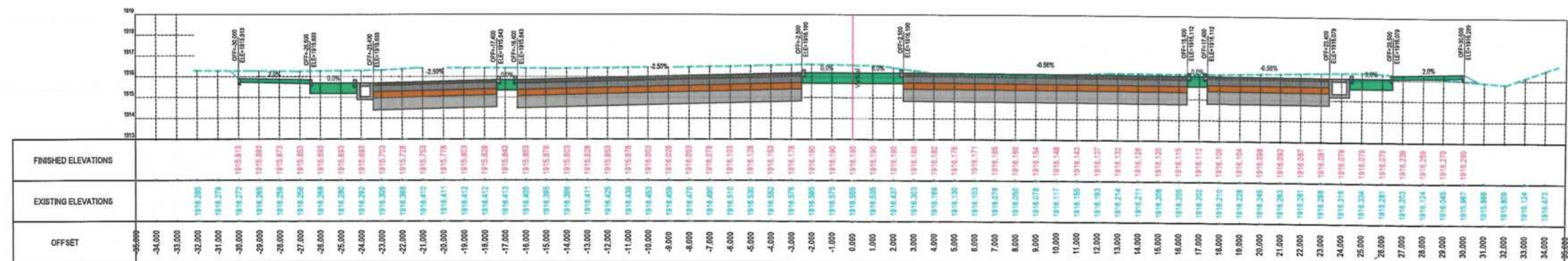




STATION=2+260



STATION=2+240



STATION=2+220

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Client:
KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Simat | Signature: |
| Checked by: Hamidullah Shalizi | Signature: |

Date:
10/10/2023

Scale:
1:250

Status:
FINAL DESIGN

| | |
|----------------|----------|
| Drawing Number | Revision |
| CS-40 | 00 |

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

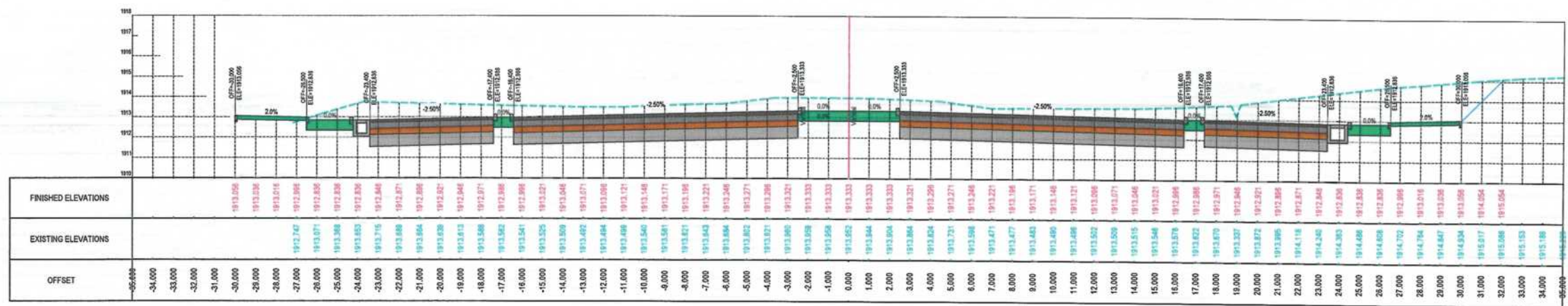
Drawing Title:
CROSS SECTIONS

| | |
|------------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Essa Sirat | Signature: |
| Checked by: Hassibullah Shalizi | Signature: |

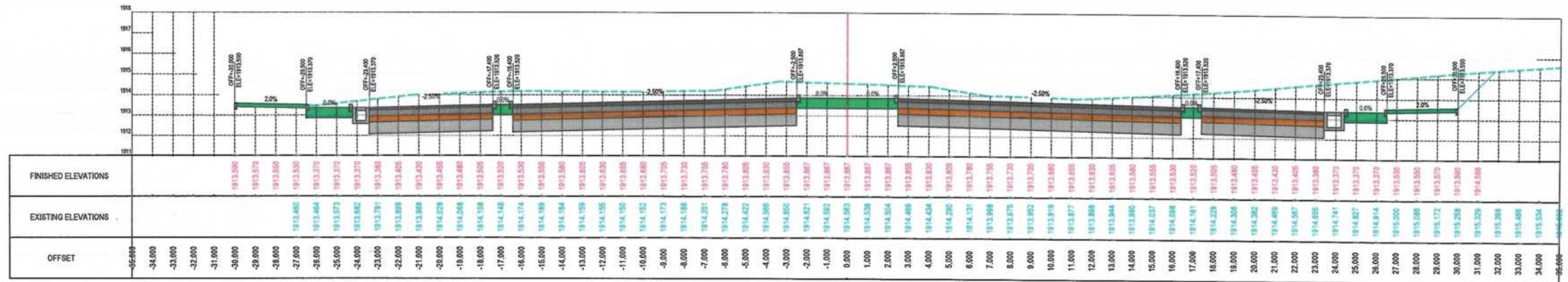
| | |
|---------------------|-----------------|
| Date: 10/10/2023 | Scale: 1:250 |
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Status:
FINAL DESIGN

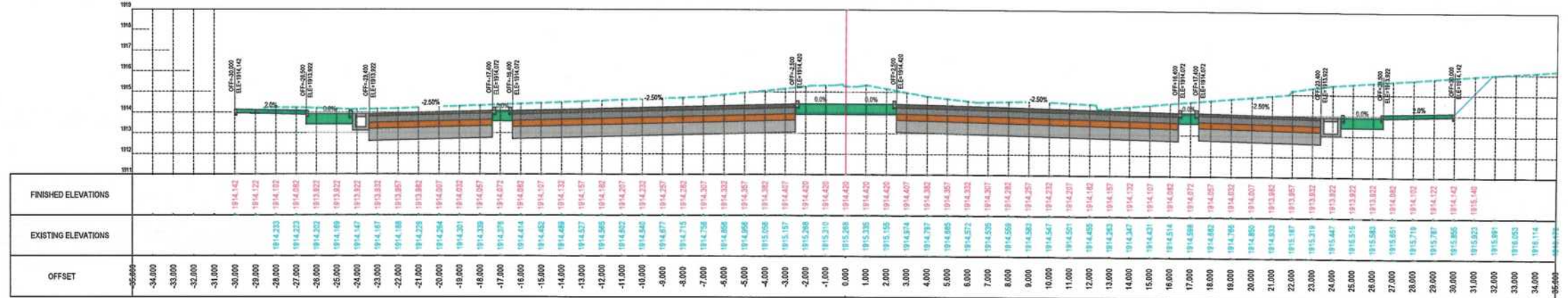
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| Drawing Number CS-41 | Revision 00 |
|-------------------------|----------------|



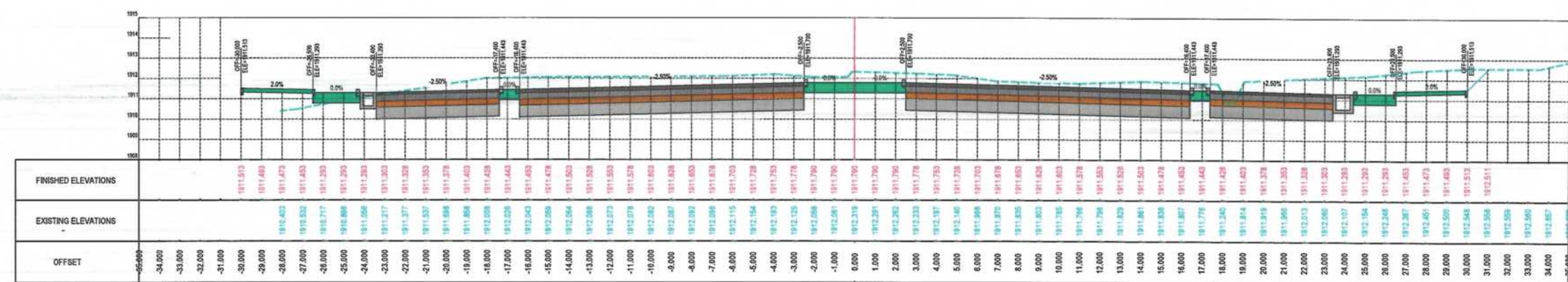
STATION=2+320



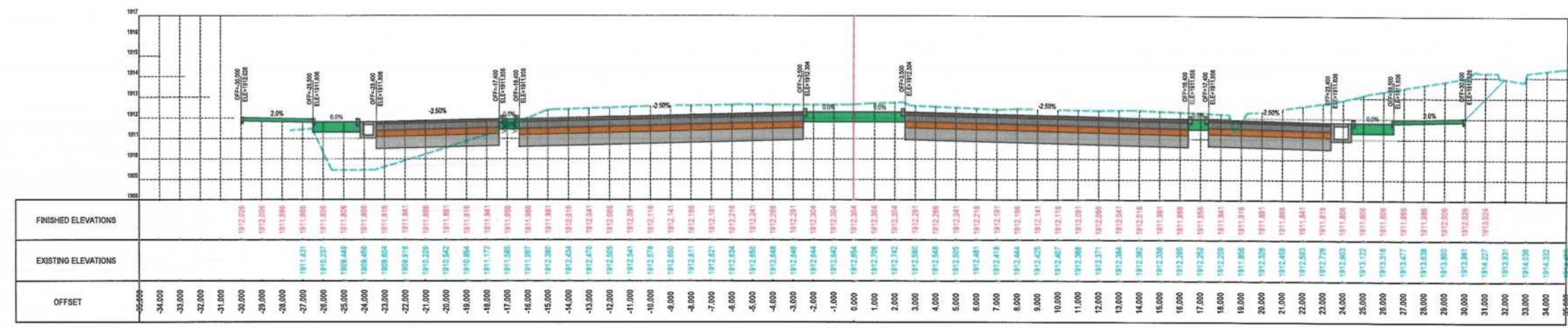
STATION=2+300



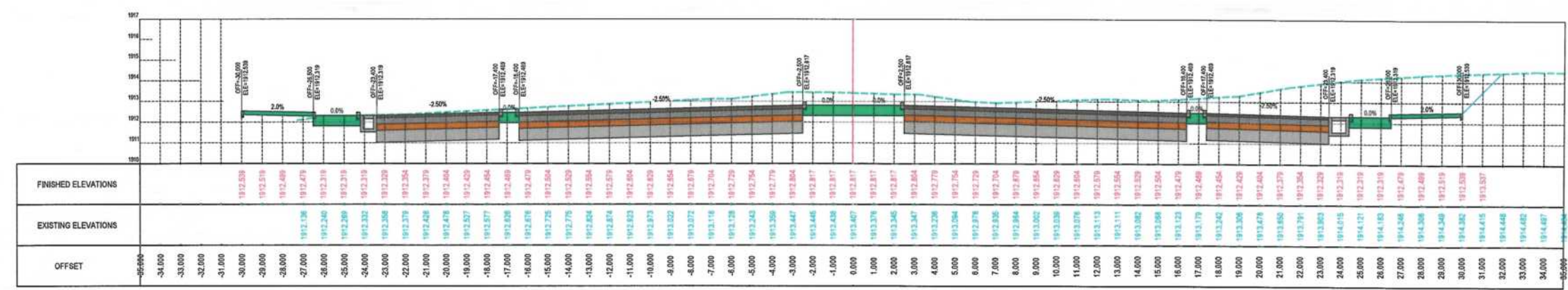
STATION=2+280



STATION=2+380



STATION=2+360



STATION=2+340

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE

ISLAMIC EMIRATE OF AFGHANISTAN

Client: KABUL MUNICIPALITY

Designed by: KABUL MUNICIPALITY DESIGN TEAM

Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title: CROSS SECTIONS

Designed by: Rohullah Ata
Drawn by: Rohullah Ata
Checked by: M.Easa Sirt
Checked by: Hashbullah Shalizi

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

Date: 10/10/2023
Scale: 1:250
A3

Status: FINAL DESIGN

Drawing Number: CS-42
Revision: 00

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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:



Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

CROSS SECTIONS

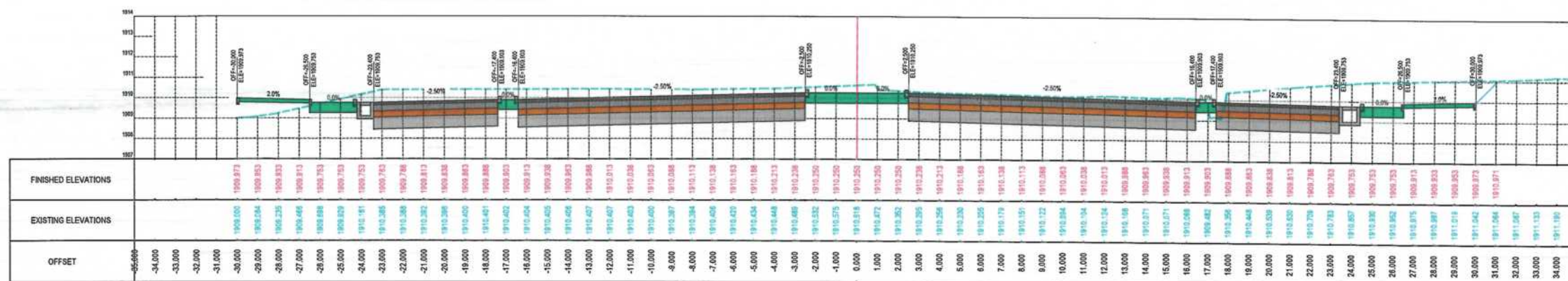
| | |
|-----------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Easa Sirt | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

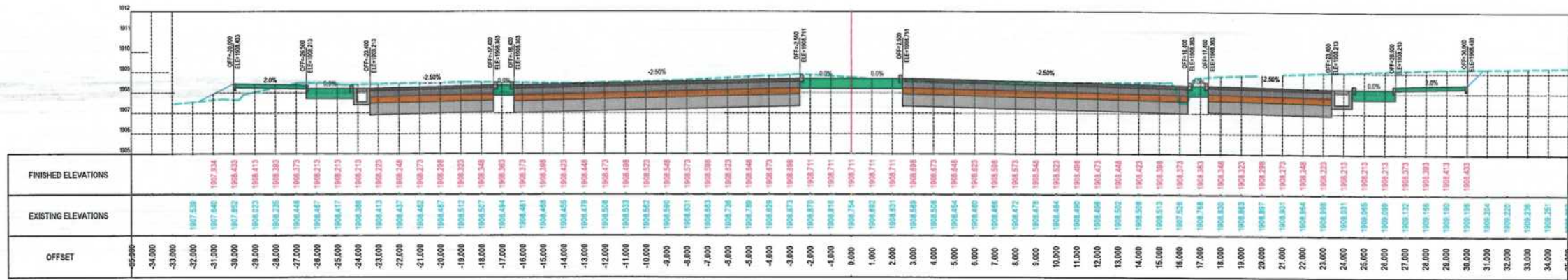
Date:
10/10/2023

Scale:
1:250
A3

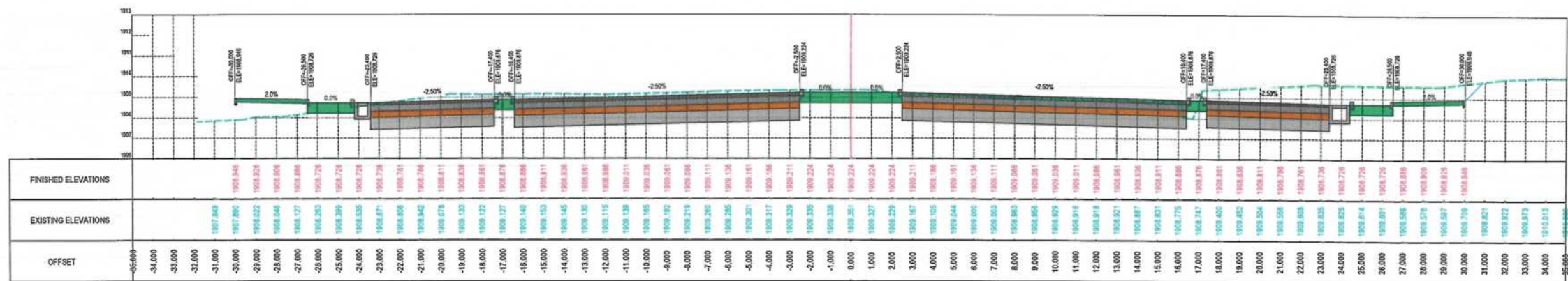
Status:
FINAL DESIGN

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| Drawing Number CS-43 | Revision 00 |
|-------------------------|----------------|

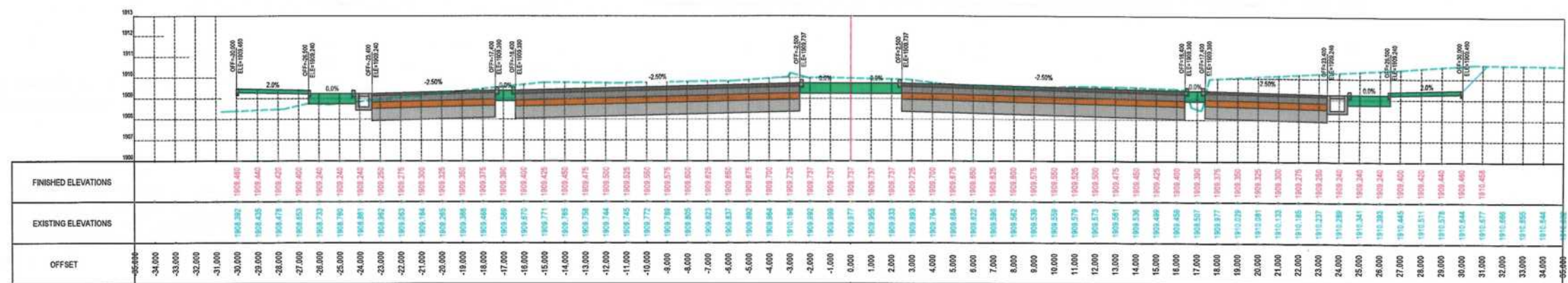




STATION=2+500



STATION=2+480



STATION=2+460


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

LEGENDS
--- CENTER-LINE
--- EXISTING SURFACE



| Date | Revision Details | Drawn |
|------|------------------|-------|
| | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Client:
 KABUL MUNICIPALITY

Designed by:
KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL, KHAIRKHANA MINA ROAD

Drawing Title:
CROSS SECTIONS

| | |
|------------------------------------|------------|
| Designed by: Rohullah Ata | Signature: |
| Drawn by: Rohullah Ata | Signature: |
| Checked by: M.Easa Sirat | Signature: |
| Checked by: Hassanullah Shalizi | Signature: |

Date:
10/10/2023

Scale:
1:250
A3

Status:
FINAL DESIGN

| | |
|----------------|----------|
| Drawing Number | Revision |
| CS-44 | 00 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+000.00 | 8.06 | 30.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+020.00 | 10.54 | 25.51 | 105.97 | 557.57 | 185.97 | 557.57 |
| 0+040.00 | 18.52 | 19.89 | 280.63 | 455.04 | 476.60 | 1012.60 |
| 0+060.00 | 43.12 | 7.83 | 616.43 | 276.23 | 1093.03 | 1290.84 |
| 0+080.00 | 43.91 | 1.70 | 870.33 | 95.38 | 1963.36 | 1386.22 |
| 0+100.00 | 42.48 | 0.92 | 863.93 | 26.29 | 2827.28 | 1412.51 |
| 0+120.00 | 48.58 | 1.97 | 910.37 | 28.96 | 3737.66 | 1441.46 |
| 0+140.00 | 47.25 | 2.88 | 958.04 | 48.49 | 4695.70 | 1489.96 |
| 0+160.00 | 37.20 | 3.22 | 844.42 | 61.02 | 5540.12 | 1550.98 |
| 0+180.00 | 35.49 | 14.21 | 726.88 | 174.36 | 6267.00 | 1725.34 |
| 0+200.00 | 33.82 | 18.01 | 693.09 | 322.23 | 6960.09 | 2047.57 |
| 0+220.00 | 32.12 | 20.38 | 659.38 | 384.06 | 7619.48 | 2431.63 |
| 0+240.00 | 6.32 | 32.27 | 384.43 | 526.83 | 8003.91 | 2958.26 |
| 0+260.00 | 7.55 | 33.90 | 138.69 | 661.85 | 8142.61 | 3619.91 |
| 0+280.00 | 8.38 | 37.01 | 159.30 | 709.09 | 8301.91 | 4329.00 |
| 0+300.00 | 17.11 | 36.18 | 254.89 | 732.95 | 8556.79 | 5061.05 |
| 0+320.00 | 28.84 | 32.20 | 459.45 | 683.93 | 9016.25 | 5744.97 |
| 0+340.00 | 18.75 | 28.90 | 475.87 | 610.99 | 9492.12 | 6355.96 |
| 0+360.00 | 28.20 | 25.61 | 469.45 | 545.10 | 9961.57 | 6901.06 |
| 0+380.00 | 25.11 | 35.05 | 571.31 | 577.86 | 10532.88 | 7478.92 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+400.00 | 26.56 | 42.15 | 553.13 | 732.74 | 11086.01 | 8211.66 |
| 0+420.00 | 23.70 | 41.52 | 537.24 | 793.26 | 11623.25 | 9004.92 |
| 0+440.00 | 14.67 | 43.37 | 411.10 | 810.93 | 12034.36 | 9815.85 |
| 0+460.00 | 4.44 | 51.84 | 191.05 | 952.07 | 12225.41 | 10767.92 |
| 0+480.00 | 0.19 | 69.05 | 46.28 | 1208.84 | 12271.60 | 11976.76 |
| 0+500.00 | 1.12 | 80.88 | 13.10 | 1409.30 | 12284.79 | 13478.05 |
| 0+520.00 | 0.00 | 98.67 | 11.18 | 1795.49 | 12295.97 | 15271.54 |
| 0+540.00 | 0.00 | 117.52 | 0.00 | 2161.91 | 12295.97 | 17433.45 |
| 0+560.00 | 0.00 | 113.93 | 0.00 | 2314.58 | 12295.97 | 19748.03 |
| 0+580.00 | 1.04 | 111.29 | 10.44 | 2252.28 | 12306.41 | 22000.31 |
| 0+600.00 | 0.00 | 96.40 | 10.44 | 2076.97 | 12316.85 | 24077.27 |
| 0+620.00 | 0.00 | 101.59 | 0.00 | 1979.90 | 12316.85 | 26057.16 |
| 0+640.00 | 3.80 | 74.46 | 38.00 | 1760.49 | 12354.85 | 27817.67 |
| 0+660.00 | 0.00 | 81.43 | 38.00 | 1558.88 | 12392.84 | 29376.55 |
| 0+680.00 | 0.15 | 67.20 | 1.47 | 1486.23 | 12394.32 | 30862.78 |
| 0+700.00 | 0.00 | 71.37 | 1.47 | 1385.72 | 12395.79 | 32248.51 |
| 0+720.00 | 16.23 | 52.70 | 182.27 | 1240.78 | 12558.06 | 33489.28 |
| 0+740.00 | 9.31 | 36.29 | 255.37 | 889.89 | 12813.43 | 34379.17 |
| 0+760.00 | 6.12 | 26.07 | 154.27 | 623.59 | 12967.69 | 35002.77 |
| 0+780.00 | 2.68 | 26.56 | 88.02 | 526.37 | 13055.71 | 35529.14 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+800.00 | 26.18 | 18.44 | 288.65 | 450.08 | 13344.36 | 35979.21 |
| 0+820.00 | 10.17 | 11.92 | 363.46 | 303.61 | 13707.83 | 36282.83 |
| 0+840.00 | 9.82 | 8.94 | 199.84 | 208.55 | 13907.67 | 36491.38 |
| 0+860.00 | 9.97 | 11.22 | 197.84 | 201.82 | 14105.51 | 36693.00 |
| 0+880.00 | 38.84 | 15.16 | 488.01 | 263.85 | 14593.52 | 36956.85 |
| 0+900.00 | 6.27 | 21.13 | 451.10 | 362.95 | 15044.62 | 37319.79 |
| 0+920.00 | 5.33 | 26.87 | 116.07 | 420.03 | 15160.69 | 37739.82 |
| 0+940.00 | 12.08 | 27.72 | 174.13 | 485.89 | 15334.82 | 38225.71 |
| 0+960.00 | 1.11 | 42.49 | 131.93 | 702.09 | 15466.75 | 38927.80 |
| 0+980.00 | 3.39 | 46.24 | 45.03 | 887.29 | 15511.78 | 39815.09 |
| 1+000.00 | 1.05 | 38.29 | 44.45 | 855.29 | 15556.23 | 40670.38 |
| 1+020.00 | 0.37 | 41.75 | 14.27 | 810.43 | 15570.50 | 41480.81 |
| 1+040.00 | 3.76 | 36.75 | 41.38 | 785.09 | 15511.87 | 42295.89 |
| 1+060.00 | 0.07 | 53.24 | 38.36 | 900.00 | 15650.24 | 43195.89 |
| 1+080.00 | 0.00 | 73.78 | 0.71 | 1270.00 | 15650.95 | 44435.89 |
| 1+100.00 | 0.00 | 78.94 | 0.00 | 1526.94 | 15650.95 | 45962.83 |
| 1+120.00 | 0.00 | 73.39 | 0.00 | 1523.26 | 15650.95 | 47486.10 |
| 1+140.00 | 0.00 | 81.95 | 0.00 | 1553.36 | 15650.95 | 49039.46 |
| 1+160.00 | 0.00 | 90.25 | 0.00 | 1722.04 | 15650.95 | 50761.49 |
| 1+180.00 | 0.00 | 99.39 | 0.00 | 1896.49 | 15650.95 | 52657.98 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 1+200.00 | 0.00 | 112.22 | 0.00 | 2116.18 | 15650.95 | 54774.16 |
| 1+220.00 | 0.00 | 105.99 | 0.00 | 2182.19 | 15650.95 | 56956.34 |
| 1+240.00 | 0.00 | 99.11 | 0.00 | 2051.09 | 15650.95 | 59007.43 |
| 1+260.00 | 0.00 | 87.86 | 0.00 | 1869.73 | 15650.95 | 60877.17 |
| 1+280.00 | 0.00 | 87.93 | 0.00 | 1757.91 | 15650.95 | 62635.07 |
| 1+300.00 | 0.00 | 82.43 | 0.00 | 1703.63 | 15650.95 | 64338.71 |
| 1+320.00 | 0.00 | 78.20 | 0.00 | 1606.28 | 15650.95 | 65944.98 |
| 1+340.00 | 0.00 | 55.62 | 0.04 | 1338.18 | 15650.99 | 67283.16 |
| 1+360.00 | 0.00 | 53.15 | 0.04 | 1067.75 | 15651.03 | 68370.91 |
| 1+380.00 | 11.04 | 50.16 | 110.38 | 1033.09 | 15761.42 | 69404.00 |
| 1+400.00 | 1.88 | 54.44 | 126.20 | 1045.96 | 15889.62 | 70449.95 |
| 1+420.00 | 0.00 | 69.34 | 18.85 | 1237.77 | 15908.47 | 71687.73 |
| 1+440.00 | 6.87 | 53.57 | 68.72 | 1228.09 | 15978.18 | 72916.82 |
| 1+460.00 | 2.59 | 62.33 | 94.58 | 1159.05 | 16072.77 | 74075.87 |
| 1+480.00 | 0.00 | 69.61 | 25.91 | 1319.47 | 16098.68 | 75395.34 |
| 1+500.00 | 0.00 | 83.78 | 0.00 | 1533.92 | 16098.68 | 76929.25 |
| 1+520.00 | 0.00 | 100.78 | 0.00 | 1845.62 | 16098.68 | 78774.87 |
| 1+540.00 | 0.00 | 103.57 | 0.00 | 2043.57 | 16098.68 | 80818.44 |
| 1+560.00 | 0.00 | 66.90 | 0.00 | 1704.71 | 16098.68 | 82523.15 |
| 1+580.00 | 0.01 | 53.74 | 0.10 | 1206.33 | 16098.78 | 83729.49 |



| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 1+600.00 | 0.60 | 46.69 | 6.08 | 1004.28 | 16104.87 | 84733.77 |
| 1+620.00 | 1.16 | 43.77 | 18.39 | 896.24 | 16123.25 | 85633.01 |
| 1+640.00 | 8.40 | 48.81 | 100.07 | 914.36 | 16223.32 | 86547.37 |
| 1+660.00 | 23.28 | 53.68 | 331.92 | 1001.15 | 16555.24 | 87548.53 |
| 1+680.00 | 13.05 | 64.40 | 374.53 | 1160.58 | 16929.77 | 88709.10 |
| 1+700.00 | 5.87 | 72.93 | 189.17 | 1373.28 | 17118.94 | 90082.38 |
| 1+720.00 | 13.95 | 59.54 | 196.17 | 1324.67 | 17315.10 | 91407.05 |
| 1+740.00 | 4.56 | 44.65 | 195.97 | 1042.03 | 17502.17 | 92449.09 |
| 1+760.00 | 10.33 | 39.00 | 148.92 | 836.63 | 17651.10 | 93285.72 |
| 1+780.00 | 8.78 | 26.19 | 293.13 | 636.16 | 17844.23 | 93921.88 |
| 1+800.00 | 8.40 | 24.88 | 180.31 | 503.35 | 18034.54 | 94425.22 |
| 1+820.00 | 4.90 | 30.39 | 139.27 | 546.54 | 18173.80 | 94971.76 |
| 1+840.00 | 2.51 | 38.07 | 78.63 | 686.73 | 18252.44 | 95658.49 |
| 1+860.00 | 0.03 | 47.39 | 26.93 | 857.19 | 18279.36 | 96515.68 |
| 1+880.00 | 2.10 | 53.28 | 21.29 | 1006.70 | 18300.65 | 97532.39 |
| 1+900.00 | 0.13 | 63.88 | 22.38 | 1171.54 | 18323.03 | 98693.92 |
| 1+920.00 | 0.25 | 69.65 | 3.85 | 1335.28 | 18326.88 | 100029.20 |
| 1+940.00 | 0.30 | 71.02 | 5.53 | 1406.73 | 18332.41 | 101435.93 |
| 1+960.00 | 0.27 | 80.22 | 5.78 | 1512.41 | 18338.18 | 102948.33 |
| 1+980.00 | 0.18 | 82.65 | 4.53 | 1428.72 | 18342.71 | 104377.05 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 2+000.00 | 0.06 | 56.01 | 2.33 | 1186.64 | 18345.05 | 105563.89 |
| 2+020.00 | 1.47 | 50.05 | 15.23 | 1060.64 | 18360.27 | 106624.33 |
| 2+040.00 | 6.12 | 38.56 | 77.83 | 881.56 | 18438.10 | 107505.89 |
| 2+060.00 | 4.33 | 42.49 | 107.05 | 806.23 | 18545.15 | 108312.13 |
| 2+080.00 | 6.39 | 47.87 | 107.26 | 901.00 | 18652.41 | 109213.73 |
| 2+100.00 | 2.87 | 54.02 | 92.68 | 1016.82 | 18745.10 | 110230.55 |
| 2+120.00 | 1.88 | 56.53 | 45.49 | 1106.43 | 18790.59 | 111336.97 |
| 2+140.00 | 0.17 | 59.54 | 18.50 | 1161.67 | 18809.09 | 112498.65 |
| 2+160.00 | 0.00 | 59.70 | 1.67 | 1194.06 | 18810.76 | 113692.71 |
| 2+180.00 | 0.04 | 69.99 | 0.43 | 1296.18 | 18811.19 | 114991.89 |
| 2+200.00 | 0.00 | 66.99 | 0.43 | 1390.91 | 18811.61 | 116382.79 |
| 2+220.00 | 0.24 | 67.41 | 2.37 | 1363.97 | 18813.98 | 117746.76 |
| 2+240.00 | 0.00 | 83.52 | 2.37 | 1509.33 | 18816.35 | 119256.09 |
| 2+260.00 | 0.15 | 82.34 | 1.53 | 1758.63 | 18817.88 | 121014.72 |
| 2+280.00 | 0.00 | 86.34 | 1.53 | 1786.86 | 18819.41 | 122801.57 |
| 2+300.00 | 0.00 | 89.10 | 0.00 | 1754.43 | 18819.41 | 124556.01 |
| 2+320.00 | 0.02 | 91.79 | 0.23 | 1808.90 | 18819.64 | 126364.91 |
| 2+340.00 | 0.12 | 85.77 | 1.39 | 1775.66 | 18821.03 | 128140.57 |
| 2+360.00 | 7.99 | 68.80 | 81.04 | 1545.76 | 18902.07 | 129686.33 |
| 2+380.00 | 1.32 | 73.15 | 93.12 | 1419.53 | 18995.19 | 131105.86 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 2+400.00 | 0.77 | 74.51 | 20.89 | 1476.57 | 19016.17 | 132582.42 |
| 2+420.00 | 0.00 | 77.44 | 7.74 | 1519.43 | 19023.92 | 134101.85 |
| 2+440.00 | 1.83 | 73.10 | 19.32 | 1505.36 | 19043.24 | 135607.21 |
| 2+460.00 | 2.82 | 65.65 | 47.50 | 1387.48 | 19090.74 | 136994.69 |
| 2+480.00 | 2.57 | 61.87 | 53.83 | 1267.16 | 19144.57 | 138261.85 |
| 2+500.00 | 1.11 | 61.75 | 36.80 | 1228.19 | 19181.37 | 139490.04 |
| 2+520.00 | 1.00 | 58.56 | 21.16 | 1203.18 | 19202.53 | 140693.22 |

NOTE: AS PER TOPOGRAPHIC SURVEY AND SITE VESTING FROM STATION 1+140 UP TO 1+180 AT THE RIGHT SIDE OF THE ROAD ON THE EXISTING GROUND SEEM HARD ROCK



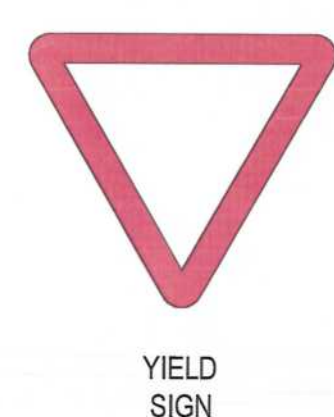
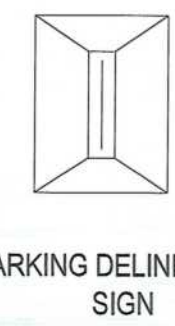
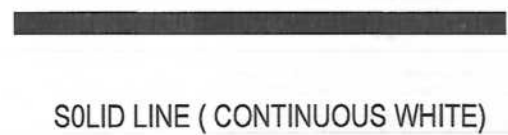
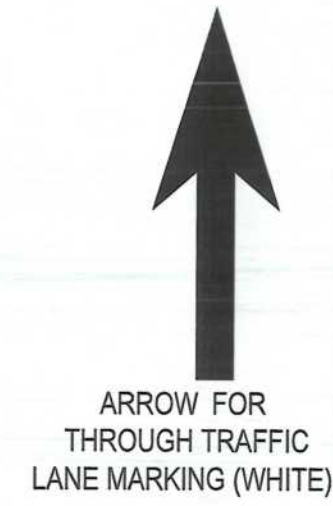
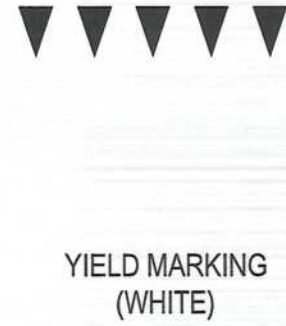
| | | |
|--|--|-------|
| Date | Revision Details | Drawn |
| ISLAMIC EMIRATE OF AFGHANISTAN | | |
| Client:  KABUL MUNICIPALITY | | |
| Designed by: KABUL MUNICIPALITY DESIGN TEAM | | |
| Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | |
| Drawing Title: VOLUME REPORT | | |
| Geometric Designed by: Rohullah Ata | Signature:  | |
| Drawn by: Rohullah Ata | | |

TRAFFIC SIGN & ROAD MARKING PLAN








NOTE:

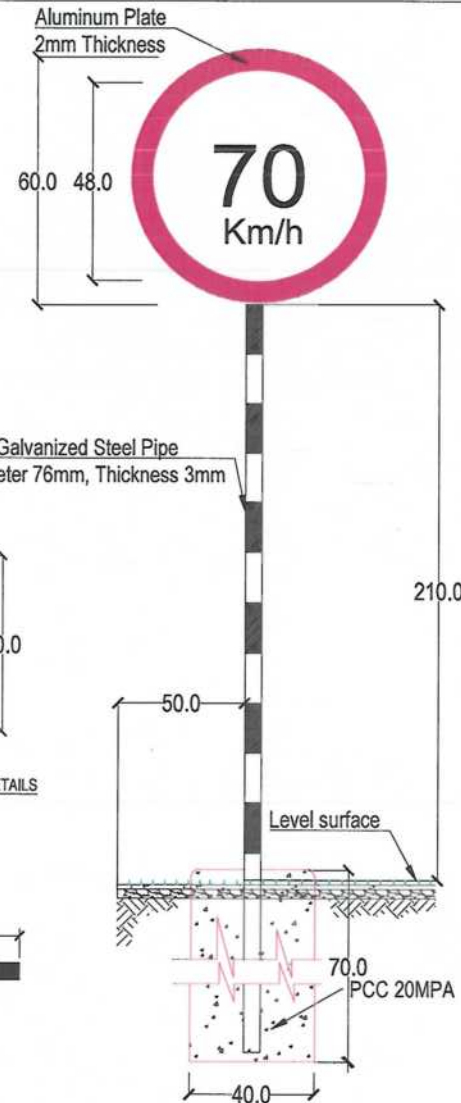
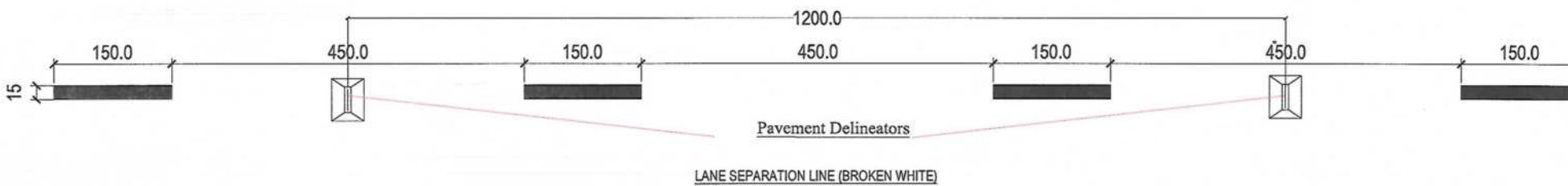
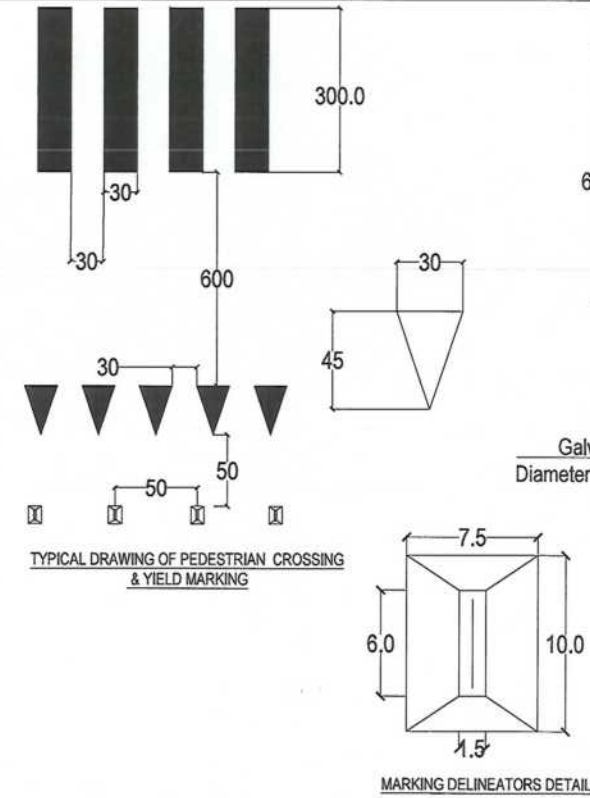
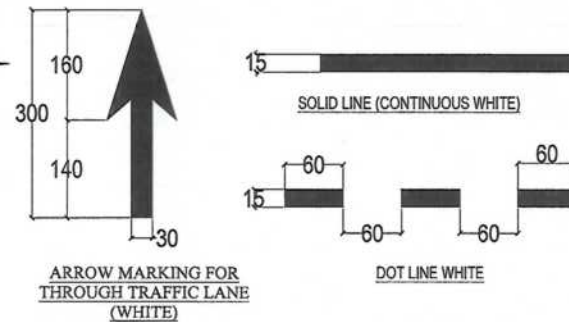
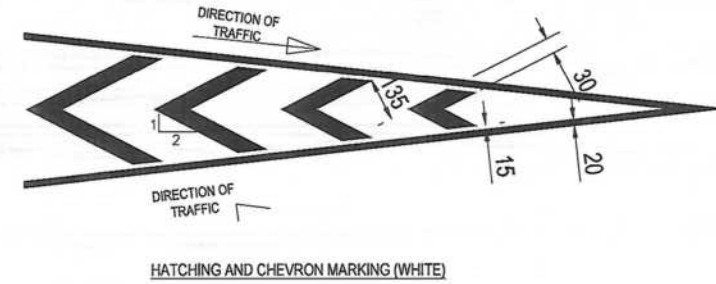
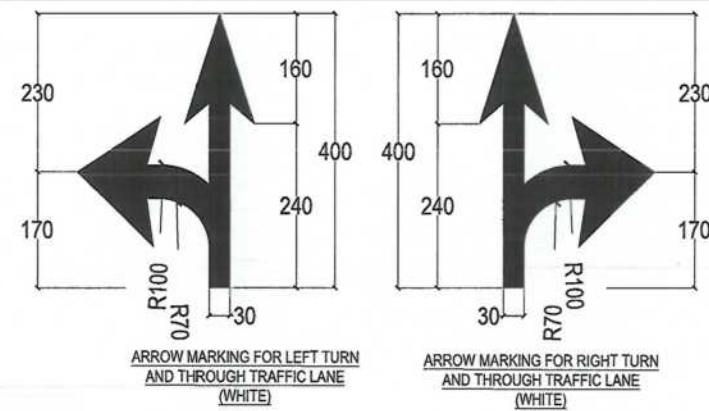
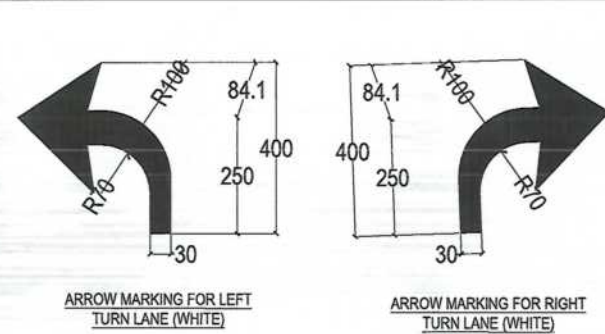
1. ROAD SIGNS SHOULD BE ACCORDING TO AFGHAN TRAFFIC CONTROL DEVICE CODE CONFORMING WITH THE 1968 UNITED NATIONS VIENNA CONVENTION ON ROAD SIGNS AND SIGNALS, AND AMENDED IN NOVEMBER 1995.
2. ROAD SIGNS SHALL BE MOUNTED FACING THE DIRECTION OF TRAFFIC FLOW AT AN ANGLE THAT GIVES A HIGH LEVEL OF REFLECTIVITY.
3. TEXTS ON INFORMATIVE SIGNS SHALL BE IN DARI OR PASHTO.
4. THE CURBSTONE SHOULD BE PAINTED YELLOW AND BLACK OR RED AND WHITE AS PER AFGHAN TRAFFIC CONTROL DEVICE CODE OR WITH CONSULTING TO THE TRAFFIC DIRECTORATE.



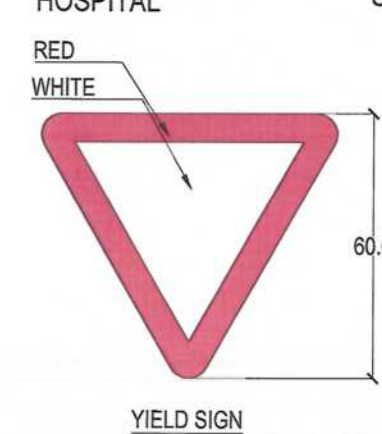
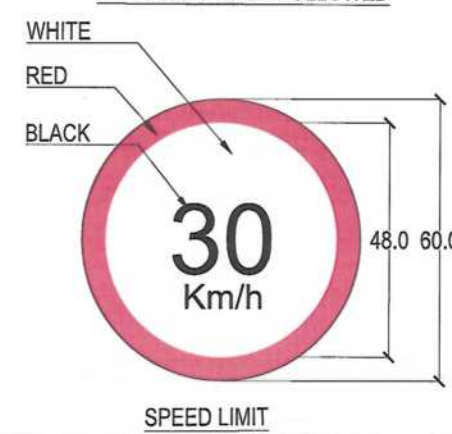
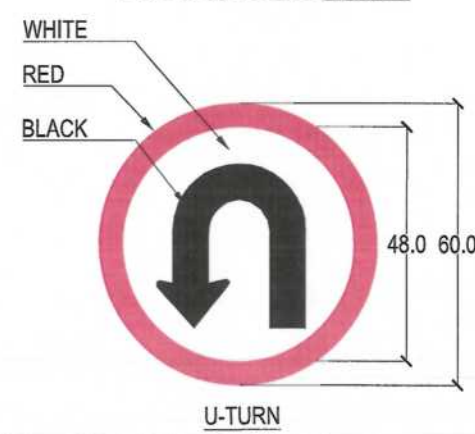
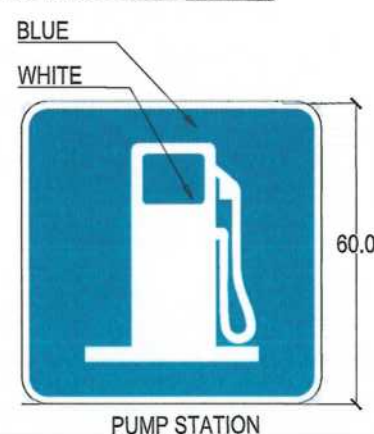
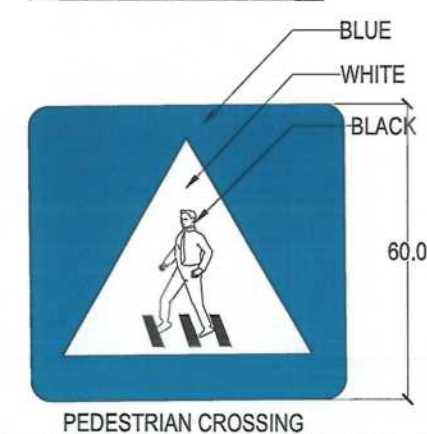
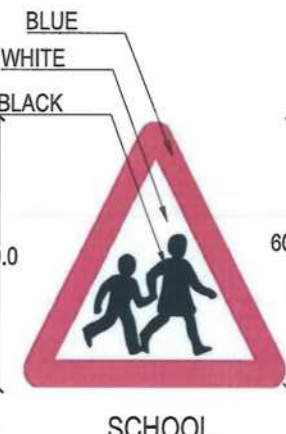
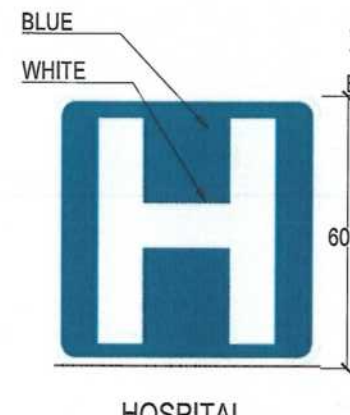
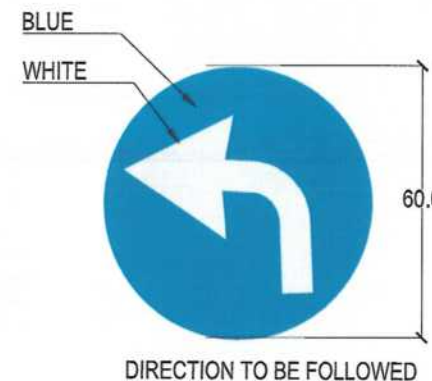
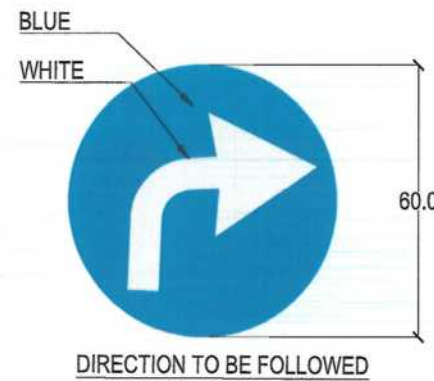
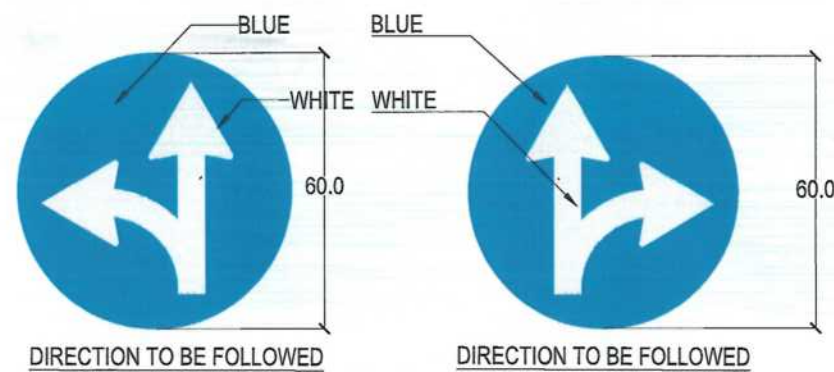
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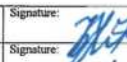





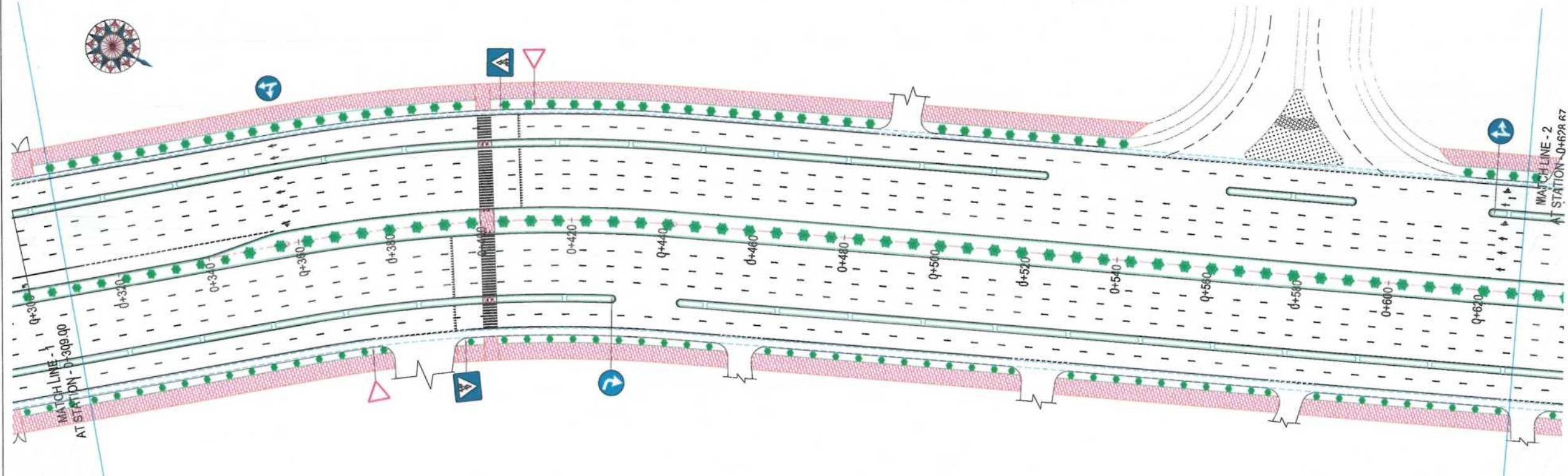
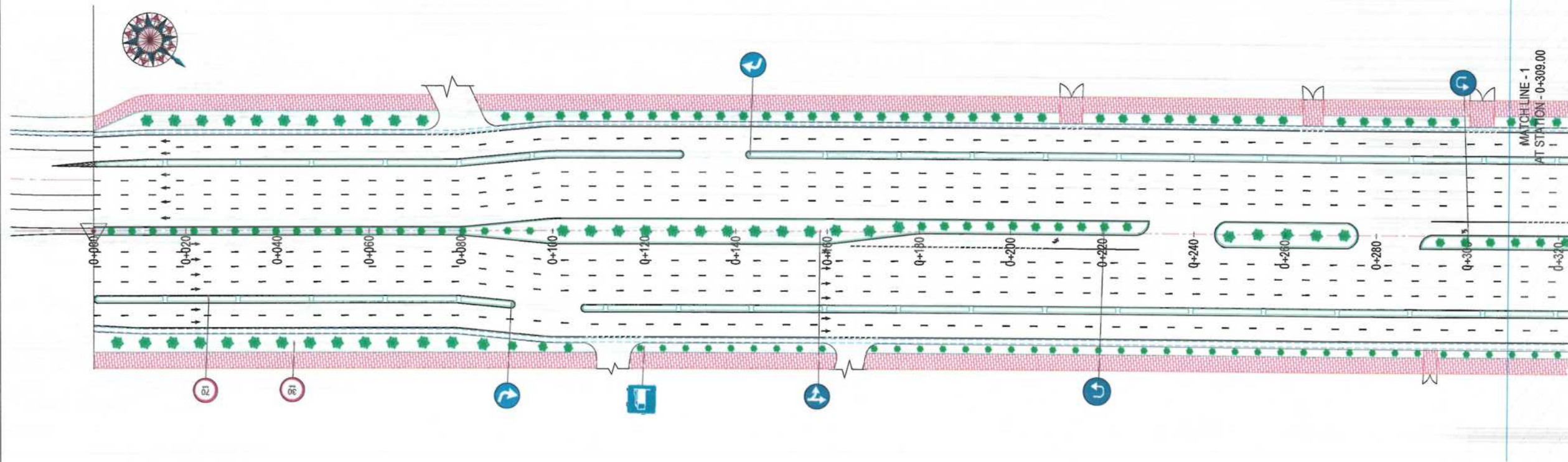
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| Date | Revision Details | Drawn | Chkd. | Appr | |
| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | |
| Designed By: | | | | | |
|  | | KABUL MUNICIPALITY DESIGN TEAM | | | |
| Project Name: | | | | | |
| CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | |
| Drawing Title: | | | | | |
| TRAFFIC SIGN & ROAD MARKING-DETAILS | | | | | |
| Drawn by: | | Signature: | | | |
| Rohullah Ata | |  | | | |
| Designed by: | | Signature: | | | |
| Rohullah Ata | |  | | | |
| Checked: | | Signature: | | | |
| M Easa Sirat | |  | | | |
| Checked by: | | Signature: | | | |
| Hasibullah Shalizi | |  | | | |
| Date: 7/22/2023 | | Scale: As shown | | | |
| Status: | | FINEL DESIGN | | | |
| Project Code | | | | | |
| SHEET NO. | | | PAGE NO | | |
| T-S&R-M-D-01 | | | 01 | | |



- NOTE:
- All dimensions are in Centimeters unless otherwise indicated.
 - All the Radius of Marking Symbols are in Meters.
 - Marking Delineators Should be installed along Broken Line and Taper Lane at each 12M.
 - The Details of Steel Pipe stand, foundation, plate thickness and dimensions are the same as shown on the speed sign for the other signs too.



| Date | Revision | Details | Drawn | Chkd. | Appr. |
|---|--|---------|-------|-------|-------|
| | | | | | |
| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | |
| Designed By:  KABUL MUNICIPALITY DESIGN TEAM | | | | | |
| Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | |
| Drawing Title: TRAFFIC SIGN & ROAD MARKING-DETAILS | | | | | |
| Drawn by: Rohullah Ata | Signature:  | | | | |
| Designed by: Rohullah Ata | Signature:  | | | | |
| Checked by: M.Easa Sirat | Signature:  | | | | |
| Checked by: Hasibullah Shalizi | Signature:  | | | | |
| Date: 7/22/2023 | Scale: As shown | | | | |
| Status: FINAL DESIGN | | | | | |
| Project Code | | | | | |
| SHEET NO. T-S&R-M-D-02 | REVISION 01 | | | | |



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

LEGENDS

| | |
|-------------------------------|-------|
| Dotted Line Marking | --- |
| Broken Line Marking | - - - |
| Solid White Line Marking | — |
| Through Movement Arrow | → |
| Left, Through Movement Arrow | ↔ |
| Right, Through Movement Arrow | ↔ |
| Left Movement Arrow | ↶ |
| Right Movement Arrow | ↷ |
| Sign Installation Location | ■ |
| Yield Marking | ▼▼▼▼ |
| Bollard | ● |
| Pedestrian Crossing | ≡ |

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

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

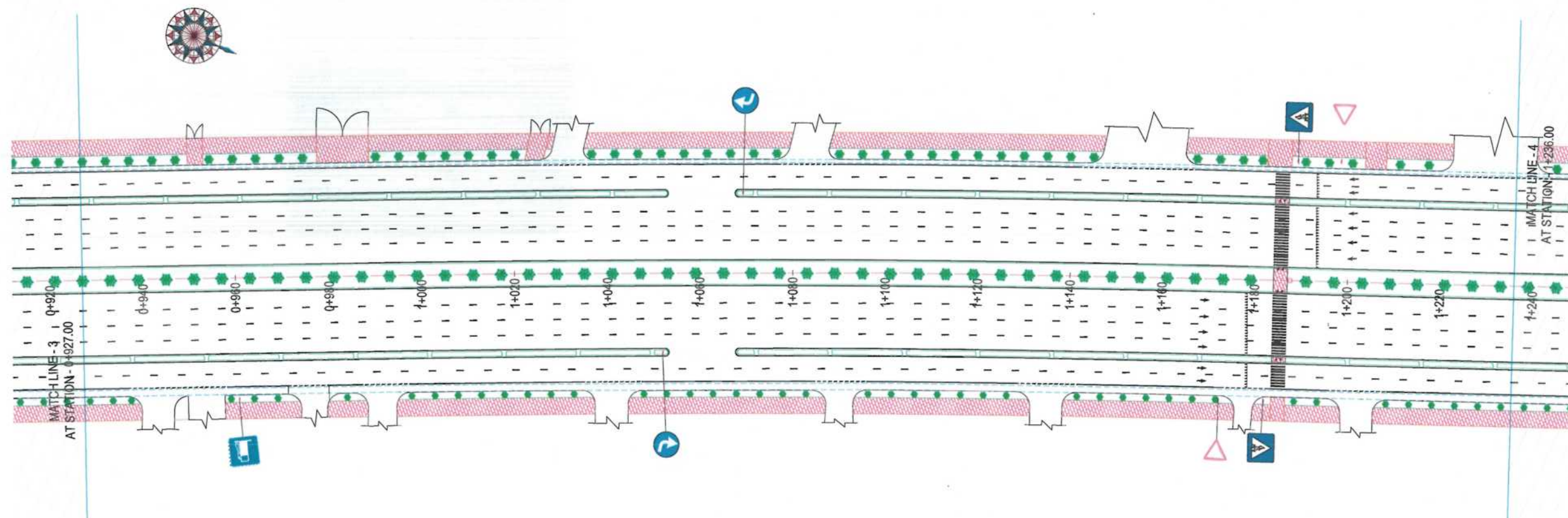
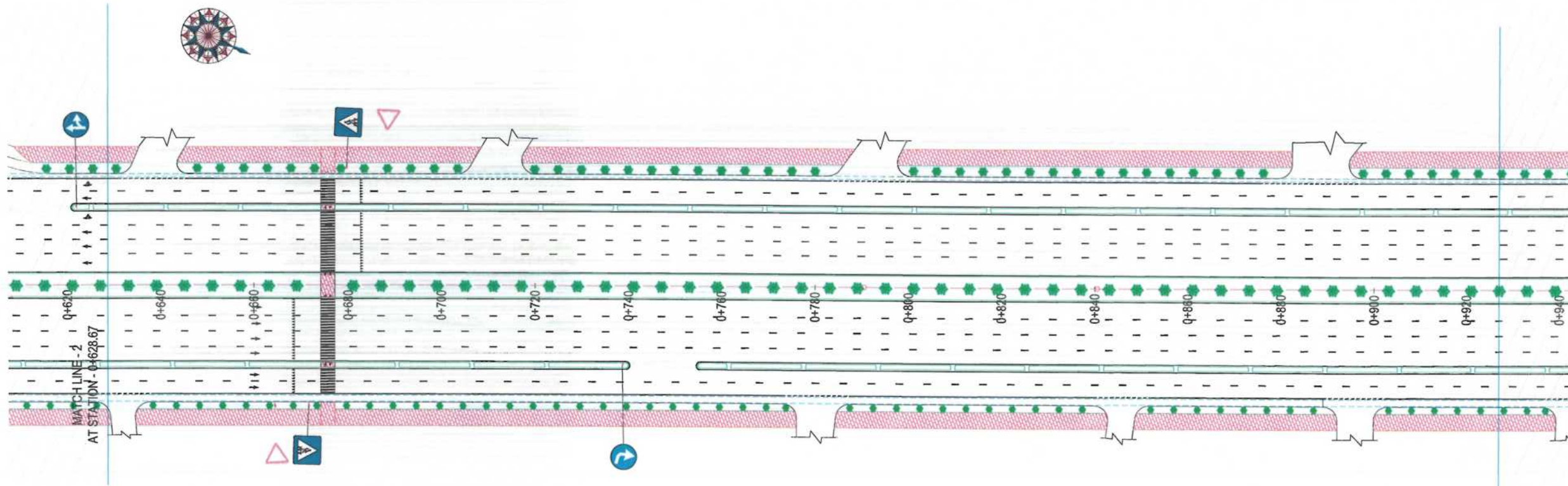
Drawing Title:
TRAFFIC SIGN & ROAD
MARKING-PLAN

| | |
|-------------------------------------|------------|
| Drawn: Rohullah Ata | Signature: |
| Geometric Designed: Rohullah Ata | Signature: |
| Checked: M. Essa Sirat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 7/22/2023 Scale: A3 1:1000

Status: FINAL DESIGN

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|---------------------------|----------------|
| SHEET NO. T-S&R-M-P-01 | Revision 01 |
|---------------------------|----------------|



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

LEGENDS

| | |
|-------------------------------|-------|
| Dotted Line Marking | --- |
| Broken Line Marking | - - - |
| Solid White Line Marking | — |
| Through Movement Arrow | → |
| Left, Through Movement Arrow | ↶ |
| Right, Through Movement Arrow | ↷ |
| Left Movement Arrow | ↵ |
| Right Movement Arrow | ↹ |
| Sign Installation Location | ⊥ |
| Yield Marking | ⋮ |
| Bollard | ● |
| Pedestrian Crossing | ≡ |

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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

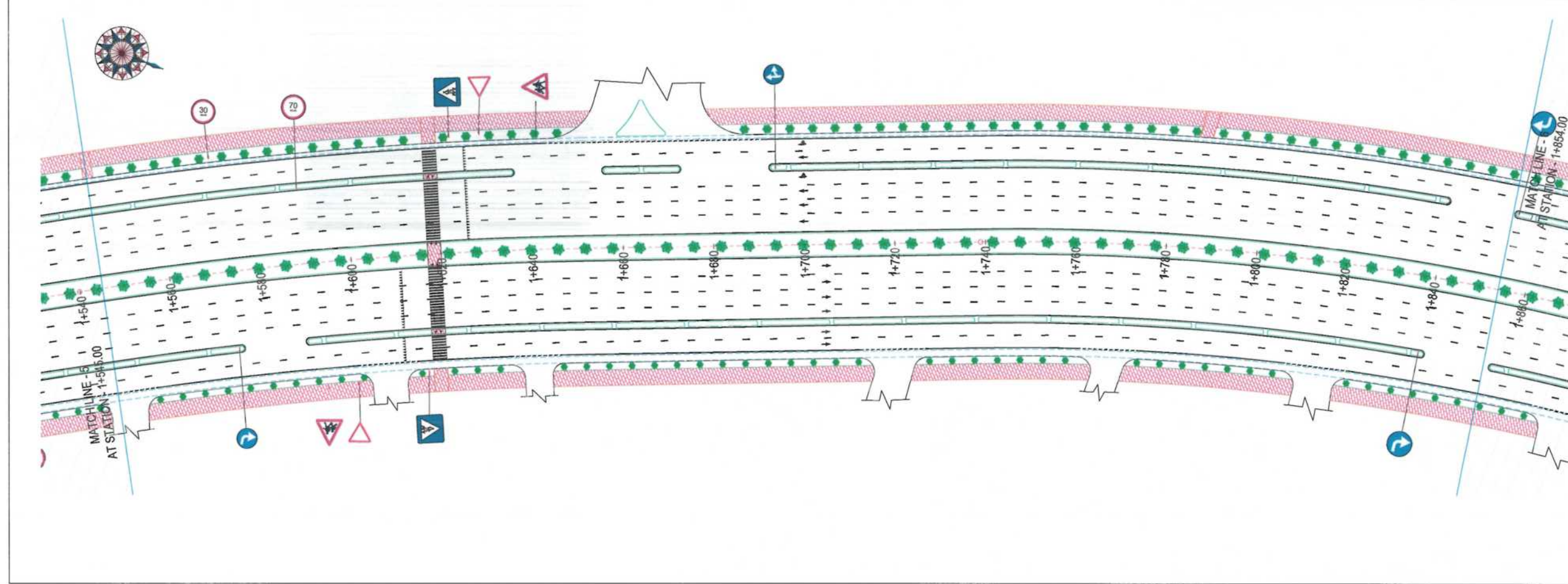
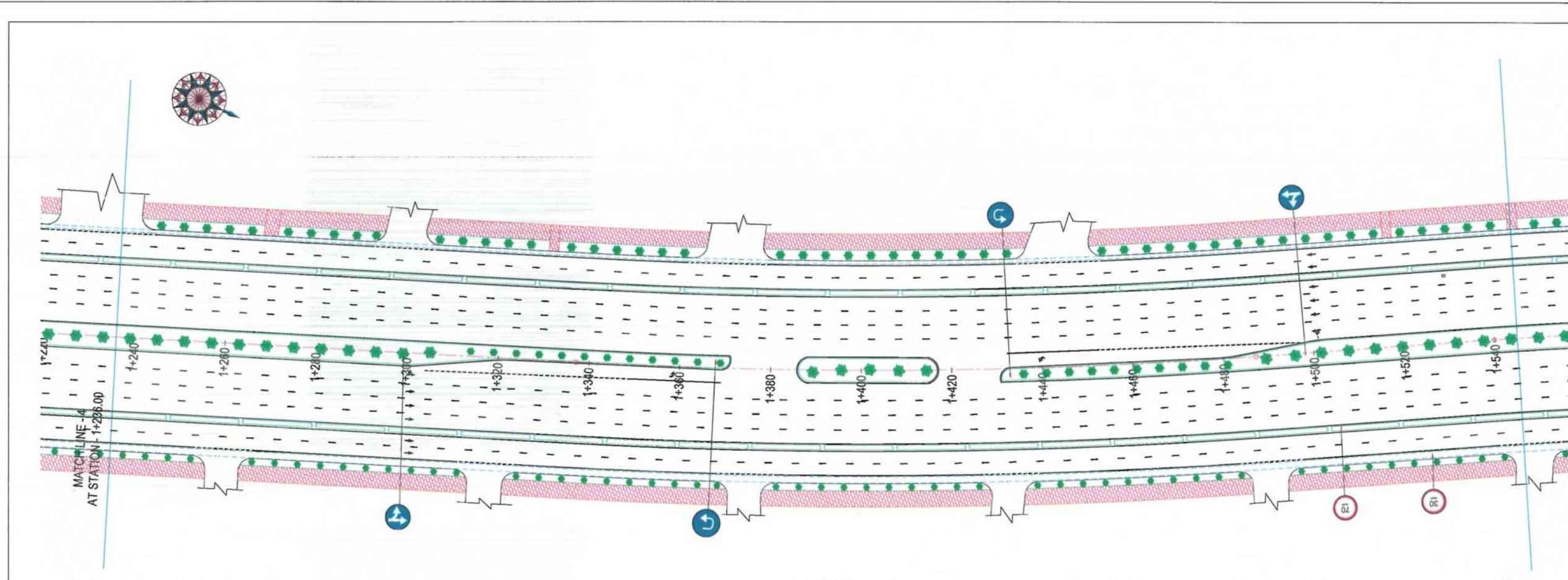
Drawing Title:
TRAFFIC SIGN & ROAD
MARKING-PLAN

| | |
|-------------------------------------|------------|
| Drawn: Rohullah Ata | Signature: |
| Geometric Designed: Rohullah Ata | Signature: |
| Checked: M. Essa Sirat | Signature: |
| Checked by: Hastbulh Shalizi | Signature: |

Date: 7/22/2023 Scale: A3 1:1000

Status: FINAL DESIGN

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|---------------------------|----------------|
| SHEET NO. T-S&R-M-P-02 | Revision 01 |
|---------------------------|----------------|



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

LEGENDS

- Dotted Line Marking
- Broken Line Marking
- Solid White Line Marking
- Through Movement Arrow
- Left, Through Movement Arrow
- Right, Through Movement Arrow
- Left Movement Arrow
- Right Movement Arrow
- Sign Installation Location
- Yield Marking
- Bollard
- Pedestrian Crossing

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

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

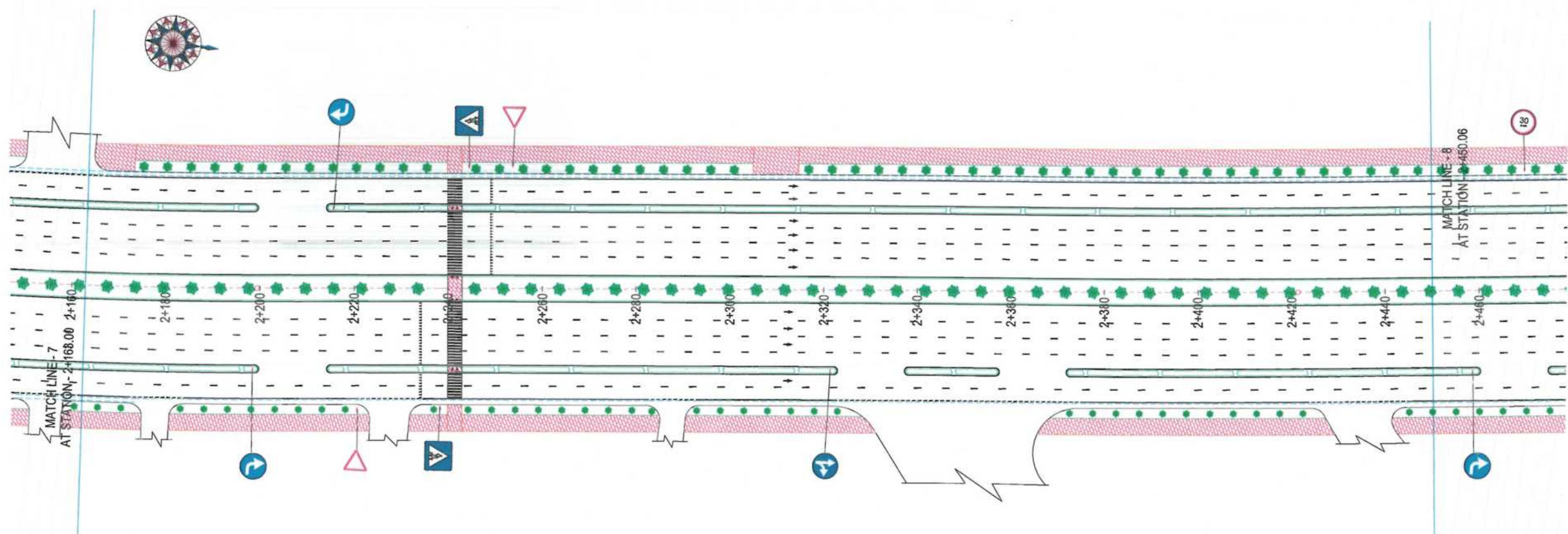
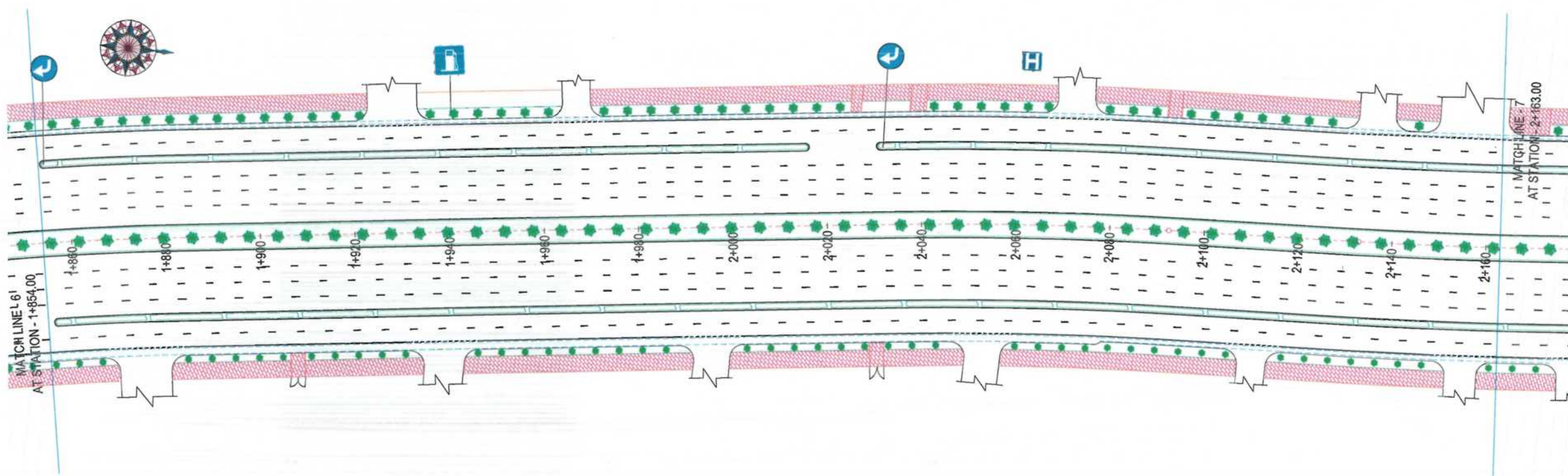
TRAFFIC SIGN & ROAD MARKING-PLAN

| | |
|---------------------|------------|
| Drawn: | Signature: |
| Geometric Designed: | Signature: |
| Checked: | Signature: |
| Checked by: | Signature: |

Date: 7/22/2023 Scale: A3 1:1000

Status: FINAL DESIGN

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| SHEET NO. | Revision |
| T-S&R-M-P-03 | 01 |



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

LEGENDS

| | |
|-------------------------------|-------|
| Dotted Line Marking | --- |
| Broken Line Marking | - - - |
| Solid White Line Marking | — |
| Through Movement Arrow | → |
| Left, Through Movement Arrow | ↶ |
| Right, Through Movement Arrow | ↷ |
| Left Movement Arrow | ↵ |
| Right Movement Arrow | ↷ |
| Sign Installation Location | ■ |
| Yield Marking | ▼▼▼▼ |
| Bollard | ● |
| Pedestrian Crossing | ≡ |

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

Designed By:

 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
TRAFFIC SIGN & ROAD MARKING-PLAN

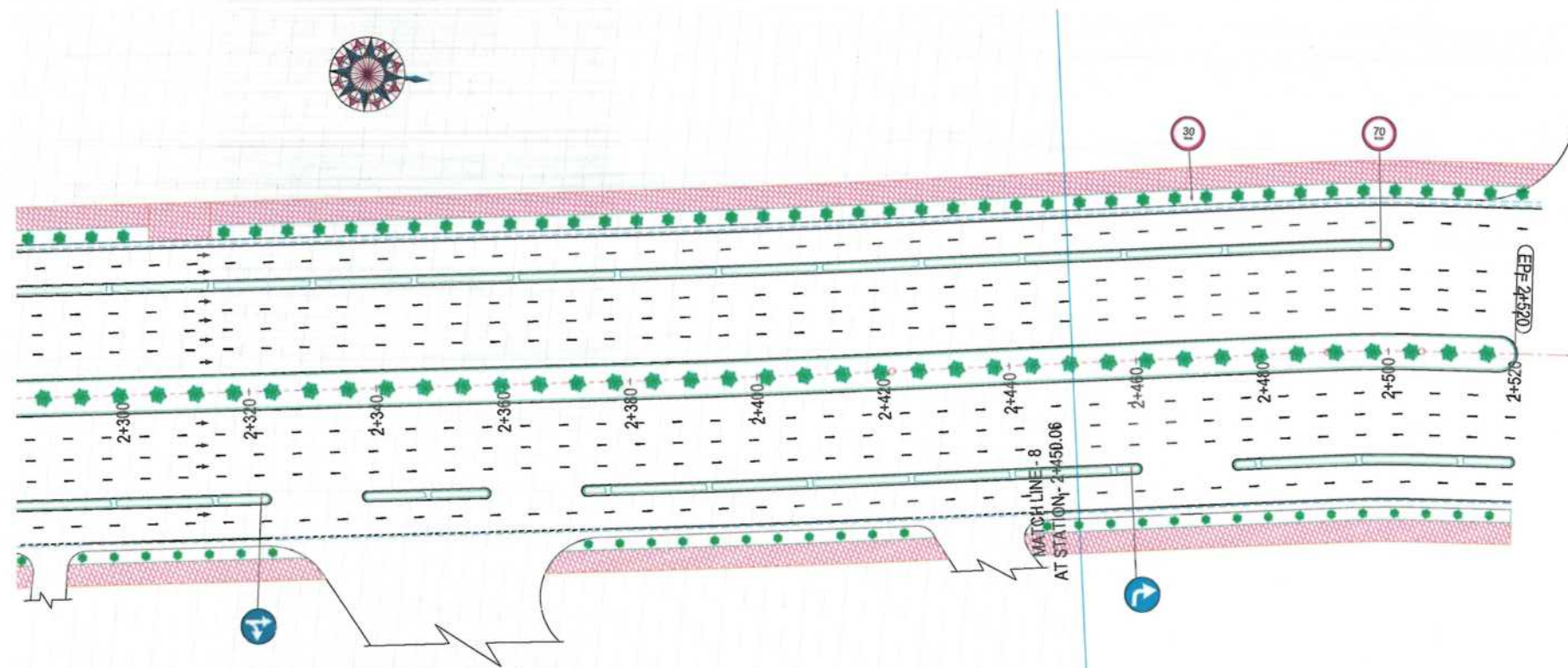
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|-------------------------------------|------------|
| Drawn: Rohullah Ata | Signature: |
| Geometric Designed: Rohullah Ata | Signature: |
| Checked: M. Essa Sirat | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 7/22/2023 Scale: A3 1:1000

Status: FINAL DESIGN

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| SHEET NO. T.S&R-M-P-04 | Revision 01 |
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NOTE:
1. All dimensions are in meters unless
otherwise indicated.

LEGENDS

| | |
|-------------------------------|-------|
| Dotted Line Marking | --- |
| Broken Line Marking | - - - |
| Solid White Line Marking | — |
| Through Movement Arrow | → |
| Left, Through Movement Arrow | ↶ |
| Right, Through Movement Arrow | ↷ |
| Left Movement Arrow | ↶ |
| Right Movement Arrow | ↷ |
| Sign Installation Location | ■ |
| Yield Marking | ▼ |
| Bollard | ● |
| Pedestrian Crossing | ≡ |

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

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
TRAFFIC SIGN & ROAD
MARKING-PLAN

| | |
|-------------------------------------|------------|
| Drawn: Rohullah Ata | Signature: |
| Geometric Designed: Rohullah Ata | Signature: |
| Checked: M. Ensa Siret | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

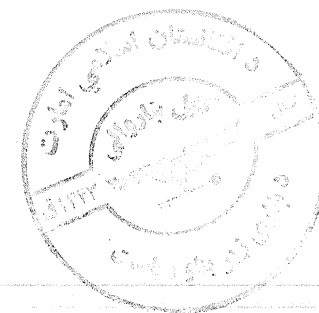
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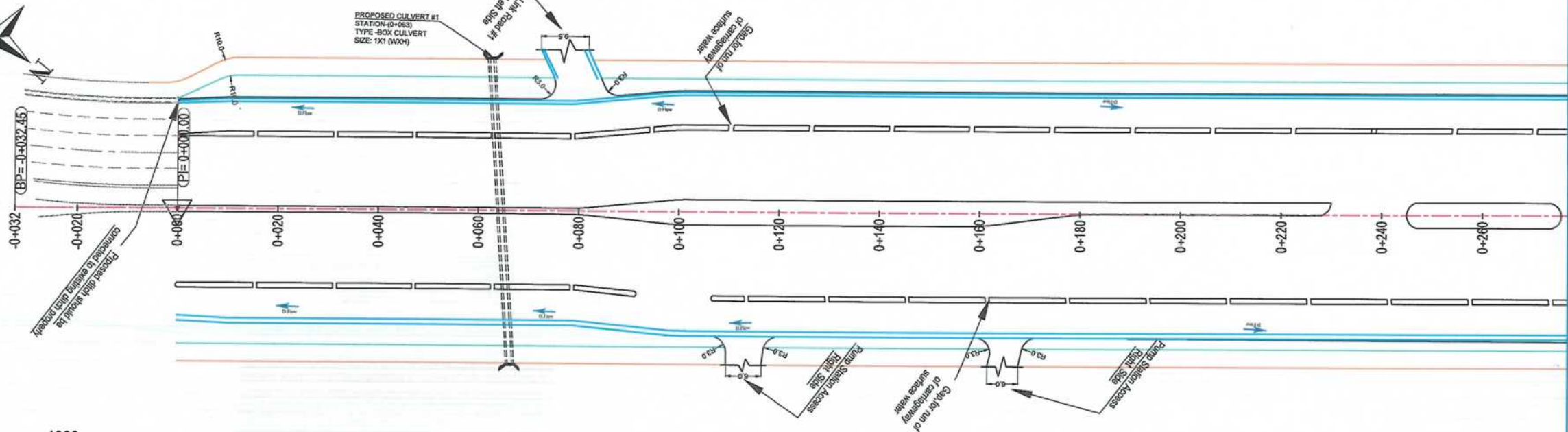
Status: FINAL DESIGN

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Drainage, Structure Drawings & Design

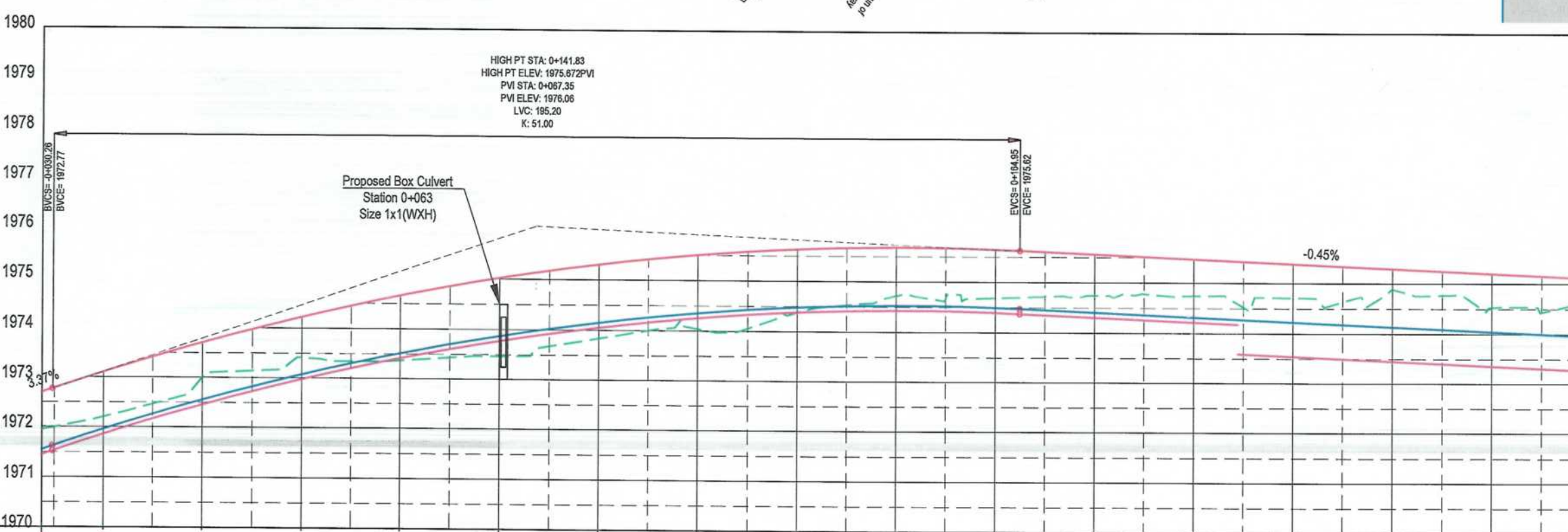




MATCH LINE - 1
AT STATION - 0+277.00

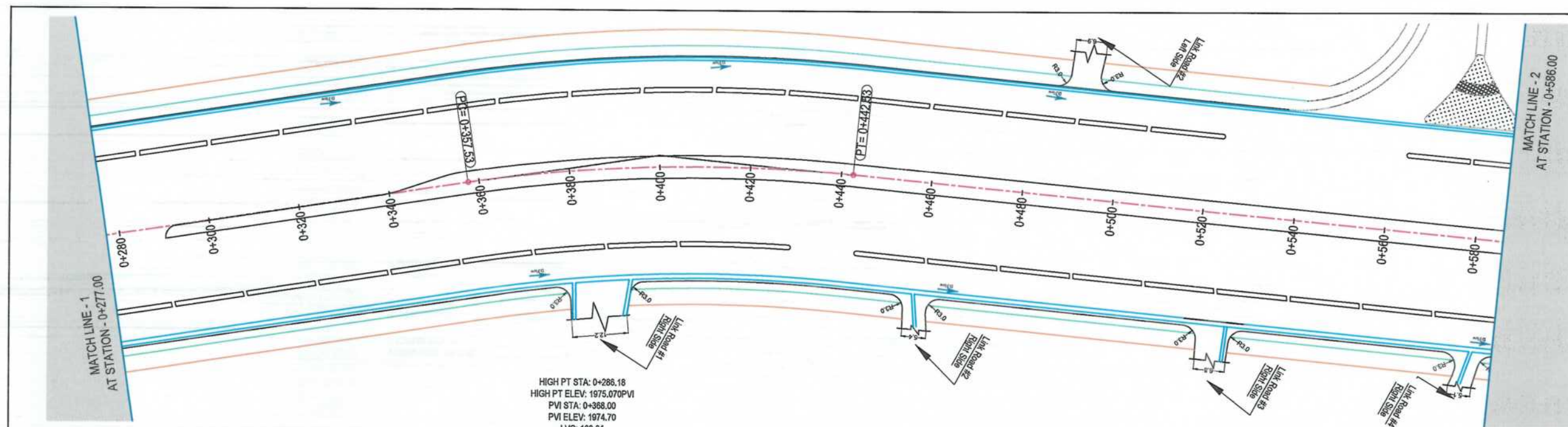
- NOTE:
1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
 2. Provide a (0.6m x 0.5m) gap at each 15m distance in both median that is between the main road and service road for the run of, of carriageway surface water into the ditches, and provide the gap at the middle median with the same details also only where super elevation applied.
 3. The height or depth of the Ditches are various just where super elevation applied.

- LEGENDS
- DESIGN LEVEL
 - EXISTING LEVEL
 - LEFT SIDE DRAIN BED LEVEL
 - RIGHT SIDE DRAIN BED LEVEL
 - PROPOSED BOX CULVERT
 - DITCH FLOW DIRECTION
 - CARRIAGE WAY SURFACE WATER RUN OF GAP



| FINISHED ELEVATION | 1973.466 | 1973.105 | 1973.700 | 1974.217 | 1974.655 | 1975.016 | 1975.298 | 1975.501 | 1975.626 | 1975.672 | 1975.640 | 1975.552 | 1975.461 | 1975.370 | 1975.280 | 1975.189 | 1975.095 |
|-------------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| EXISTING ELEVATION | 1971.547 | 1971.957 | 1972.553 | 1973.070 | 1973.508 | 1973.868 | 1974.150 | 1974.353 | 1974.478 | 1974.525 | 1974.492 | 1974.404 | 1974.314 | 1974.223 | 1974.132 | 1974.042 | 1973.965 |
| STATION | 0+032.452 | 0+040 | 0+050 | 0+060 | 0+070 | 0+080 | 0+090 | 0+100 | 0+110 | 0+120 | 0+130 | 0+140 | 0+150 | 0+160 | 0+170 | 0+180 | 0+190 |
| LEFT SIDE DRAIN BED ELEVATION | 1971.547 | 1971.957 | 1972.553 | 1973.070 | 1973.508 | 1973.868 | 1974.150 | 1974.353 | 1974.478 | 1974.525 | 1974.492 | 1974.404 | 1974.314 | 1974.223 | 1974.132 | 1974.042 | 1973.965 |
| RIGHT SIDE BED ELEVATION | 1971.447 | 1971.857 | 1972.453 | 1972.970 | 1973.408 | 1973.768 | 1974.050 | 1974.253 | 1974.378 | 1974.425 | 1974.392 | 1974.304 | 1974.214 | 1974.123 | 1974.032 | 1973.941 | 1973.851 |

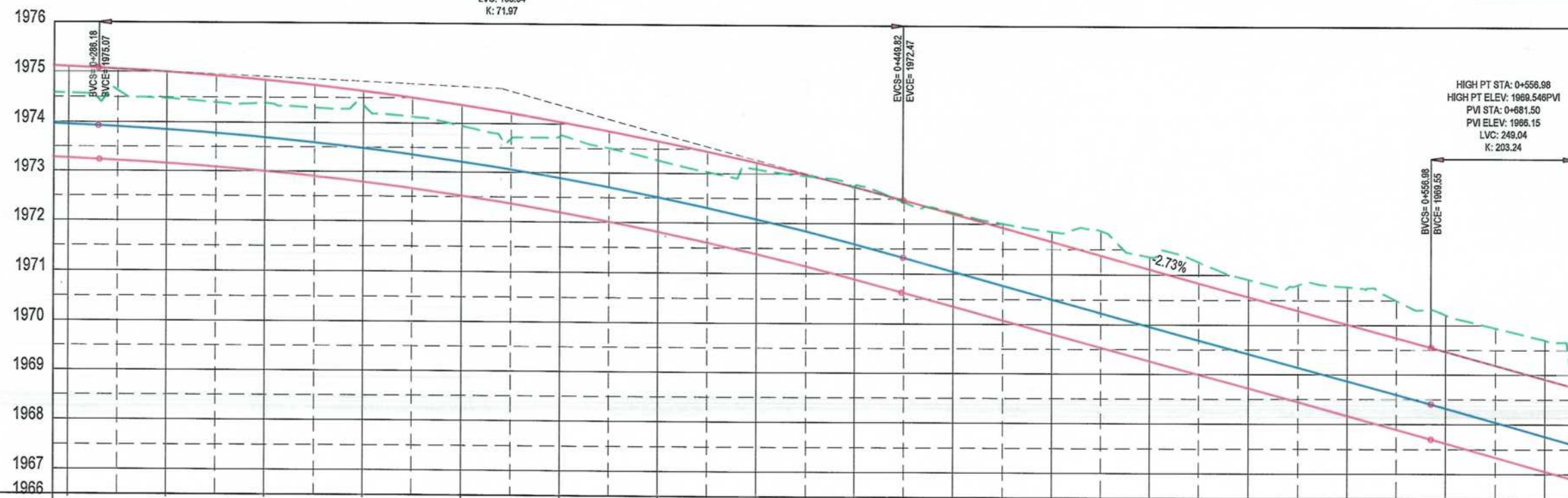
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| Rev. | Date | Revision Details | Drawn | Chkd | Appd. |
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| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | |
| Designed By: | | | | | |
|  KABUL MUNICIPALITY DESIGN TEAM | | | | | |
| Project Name: | | | | | |
| CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | |
| Drawing Title: | | | | | |
| DRAINAGE PLAN & PROFILE | | | | | |
| Drawn by: | | Signature: | | | |
| Designed by: | | Signature: | | | |
| Checked by: | | Signature: | | | |
| Date: | | 7/10/2023 | | Scale: HQR: 1:1000 ASVER: 1:100 | |
| Status: | | FINAL DESIGN | | | |
| SHEET NO. | | DR-PP-01 | | Revision | |
| | | | | 01 | |



NOTE:

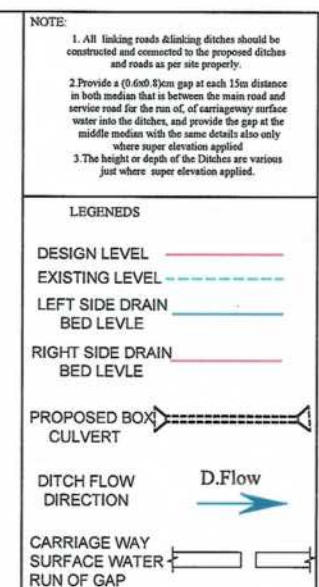
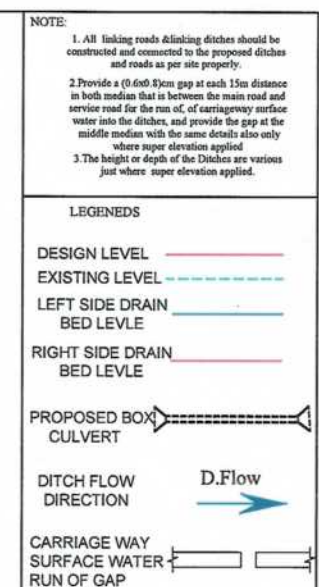
1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
2. Provide a (0.6x0.8)m gap at each 15m distance in both median that is between the main road and service road for the run of, of carriage way surface water into the ditches, and provide the gap at the middle median with the same details also only where super elevation applied.
3. The height or depth of the Ditches are various just where super elevation applied.

- LEGENDS
- DESIGN LEVEL
 - EXISTING LEVEL
 - LEFT SIDE DRAIN BED LEVEL
 - RIGHT SIDE DRAIN BED LEVEL
 - PROPOSED BOX CULVERT
 - DITCH FLOW DIRECTION
 - CARRIAGE WAY SURFACE WATER RUN OF GAP

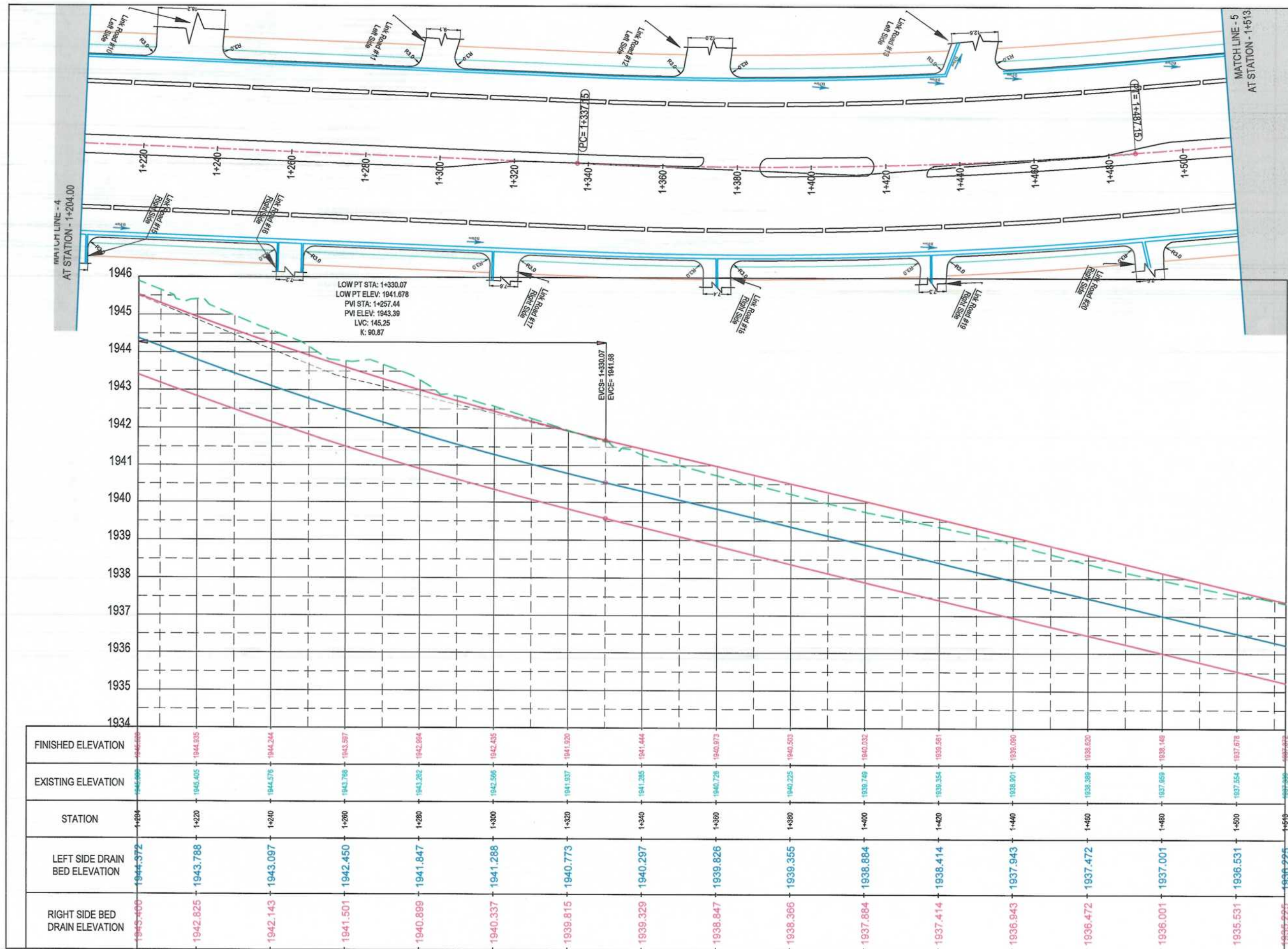


| FINISHED ELEVATION | 1973.965 | 1973.951 | 1973.847 | 1973.690 | 1973.478 | 1973.210 | 1972.886 | 1972.507 | 1972.072 | 1971.582 | 1971.043 | 1970.498 | 1969.953 | 1969.407 | 1968.862 | 1968.316 | 1967.758 | 1967.567 |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| EXISTING ELEVATION | 1974.570 | 1974.570 | 1974.469 | 1974.380 | 1974.340 | 1973.943 | 1973.745 | 1973.263 | 1973.086 | 1972.757 | 1972.221 | 1971.847 | 1971.348 | 1970.904 | 1970.782 | 1970.201 | 1969.895 | 1969.558 |
| STATION | 0+277 | 0+280 | 0+300 | 0+320 | 0+340 | 0+360 | 0+380 | 0+400 | 0+420 | 0+440 | 0+460 | 0+480 | 0+500 | 0+520 | 0+540 | 0+560 | 0+580 | 0+586 |
| LEFT SIDE DRAIN BED ELEVATION | 1973.965 | 1973.951 | 1973.847 | 1973.690 | 1973.478 | 1973.210 | 1972.886 | 1972.507 | 1972.072 | 1971.582 | 1971.043 | 1970.498 | 1969.953 | 1969.407 | 1968.862 | 1968.316 | 1967.758 | 1967.567 |
| RIGHT SIDE BED DRAIN ELEVATION | 1973.271 | 1973.257 | 1973.152 | 1972.995 | 1972.782 | 1972.513 | 1972.189 | 1971.809 | 1971.373 | 1970.882 | 1970.343 | 1969.798 | 1969.252 | 1988.707 | 1968.162 | 1967.616 | 1967.058 | 1966.889 |

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| Rev | Date | Revision Details | Drawn | Chkd | Appd |
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| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | |
| Designed By: | | | | | |
| KABUL MUNICIPALITY DESIGN TEAM | | | | | |
| Project Name: | | | | | |
| CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | |
| Drawing Title: | | | | | |
| DRAINAGE PLAN & PROFILE | | | | | |
| Drawn by: | | | Signature: | | |
| Abdul Shaloor Mansour | | | | | |
| Designed by: | | | Signature: | | |
| Abdul Shaloor Mansour | | | | | |
| Checked by: | | | Signature: | | |
| Hasibullah Shalizi | | | | | |
| Date: | | | Scale: | | |
| 7/10/2023 | | | HOR: 1:1000 AVER: 1:100 | | |
| Status: FINAL DESIGN | | | | | |
| SHEET NO. | | | Revision | | |
| DR-PP-02 | | | 01 | | |



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| Rev. | Date | Revision Details | Drawn | Chkd. | Appd. | | | | |
| ISLAMIC EMIRATE OF AFGHANISTAN | | | | | | | | | |
| Designed By: | | | | | | | | | |
|  KABUL MUNICIPALITY DESIGN TEAM | | | | | | | | | |
| Project Name: CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD | | | | | | | | | |
| Drawing Title: DRAINAGE PLAN & PROFILE | | | | | | | | | |
| Drawn by: Abdul Shaloor Mansour | | | Signature:  | | | | | | |
| Designed by: Abdul Shaloor Mansour | | | Signature:  | | | | | | |
| Checked by: Hasibullah Shalzai | | | Signature:  | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Date: 7/10/2023 | | | Scale: HOR: 1:100 AQVER: 1:100 | | | | | | |
| Status: FINAL DESIGN | | | | | | | | | |
| | | | | | | | | | |
| SHEET NO. | | | | | | | | Revision | |
| DR-PP-Q3 01 | | | | | | | | | |



- NOTE:
1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
 2. Provide a (0.60x0.5)m gap at each 15m distance in both medium that is between the main road and service road for the run off, of carriage way surface water into the ditches, and provide the gap at the middle medium with the same details also only where super elevation applied.
 3. The height or depth of the Ditches are various just where super elevation applied.

- LEGENDS
- DESIGN LEVEL
 - EXISTING LEVEL
 - LEFT SIDE DRAIN BED LEVEL
 - RIGHT SIDE DRAIN BED LEVEL
 - PROPOSED BOX CULVERT
 - DITCH FLOW DIRECTION
 - CARRIAGE WAY SURFACE WATER RUN OF GAP



| Rev | Date | Revision Details | Drawn | Chkd | Appd |
|-----|------|------------------|-------|------|------|
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ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
DRAINAGE PLAN & PROFILE

Drawn by:
Abdul Shaloor Mansour

Designed by:
Abdul Shaloor Mansour

Checked by:
Hasibullah Shalizi

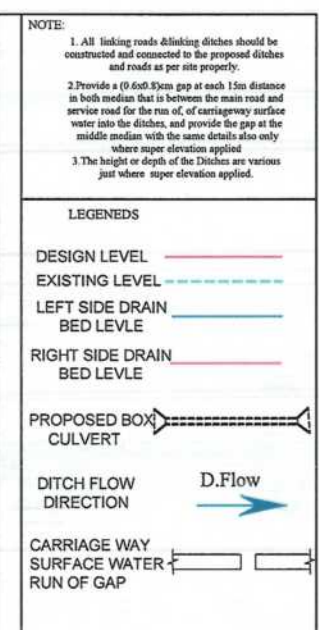
Date:
7/10/2023

Scale:
HOR: 1:1000
VER: 1:100

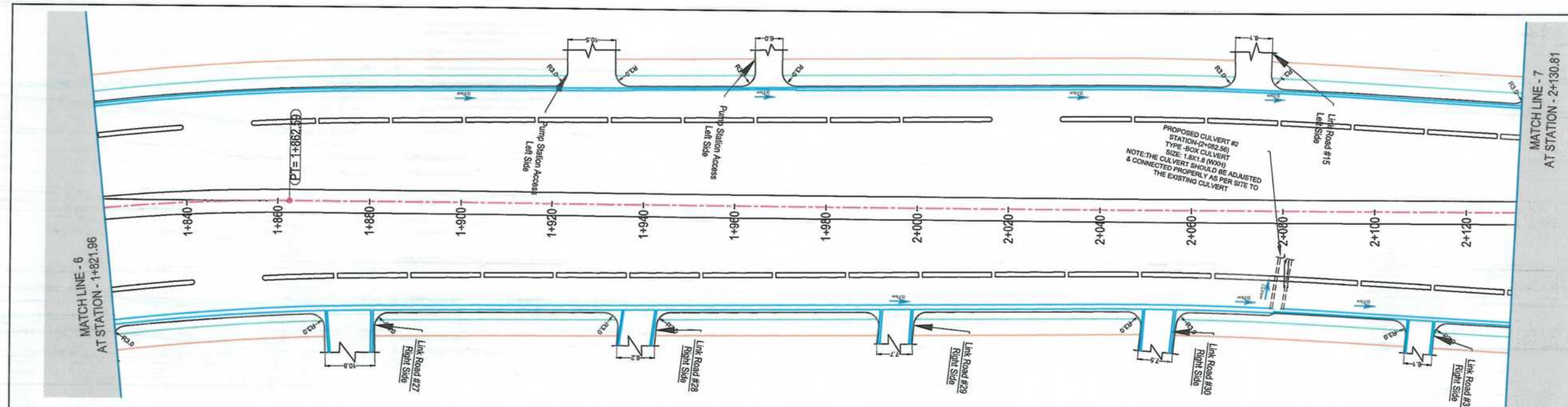
Status:
FINAL DESIGN

SHEET NO.
DR-PP-05

Revision
01



| | |
|---------------------------------------|--|
| Drawn by: Abdul Shaleeh Maricar | Signature: |
| Designed by: Abdul Shaleeh Maricar | Signature: |
| Checked by: Hambullah Shafizai | Signature: |
| | |
| | |
| | |
| Date: 7/10/2023 | Scale: HOR: 1:100 AZ: VER: 1:100 |
| Status: FINAL DESIGN | |
| | |
| SHEET NO. | Revision |
| DR-PP-06 | 01 |



- NOTE:
1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
 2. Provide a (0.6x0.8)m gap at each 15m distance in both median that is between the main road and service road for the run of, of carriage way surface water into the ditches, and provide the gap at the middle median with the same details also only where super elevation applied
 3. The height or depth of the Ditches are various just where super elevation applied.

LEGENDS

- DESIGN LEVEL ————
- EXISTING LEVEL - - - - -
- LEFT SIDE DRAIN ————
- BED LEVEL ————
- RIGHT SIDE DRAIN ————
- BED LEVEL ————
- PROPOSED BOX CULVERT
- DITCH FLOW DIRECTION
- CARRIAGE WAY SURFACE WATER RUN OF GAP

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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

DRAINAGE PLAN & PROFILE

Drawn by: Abdul Shaloor Mansour

Designed by: Abdul Shaloor Mansour

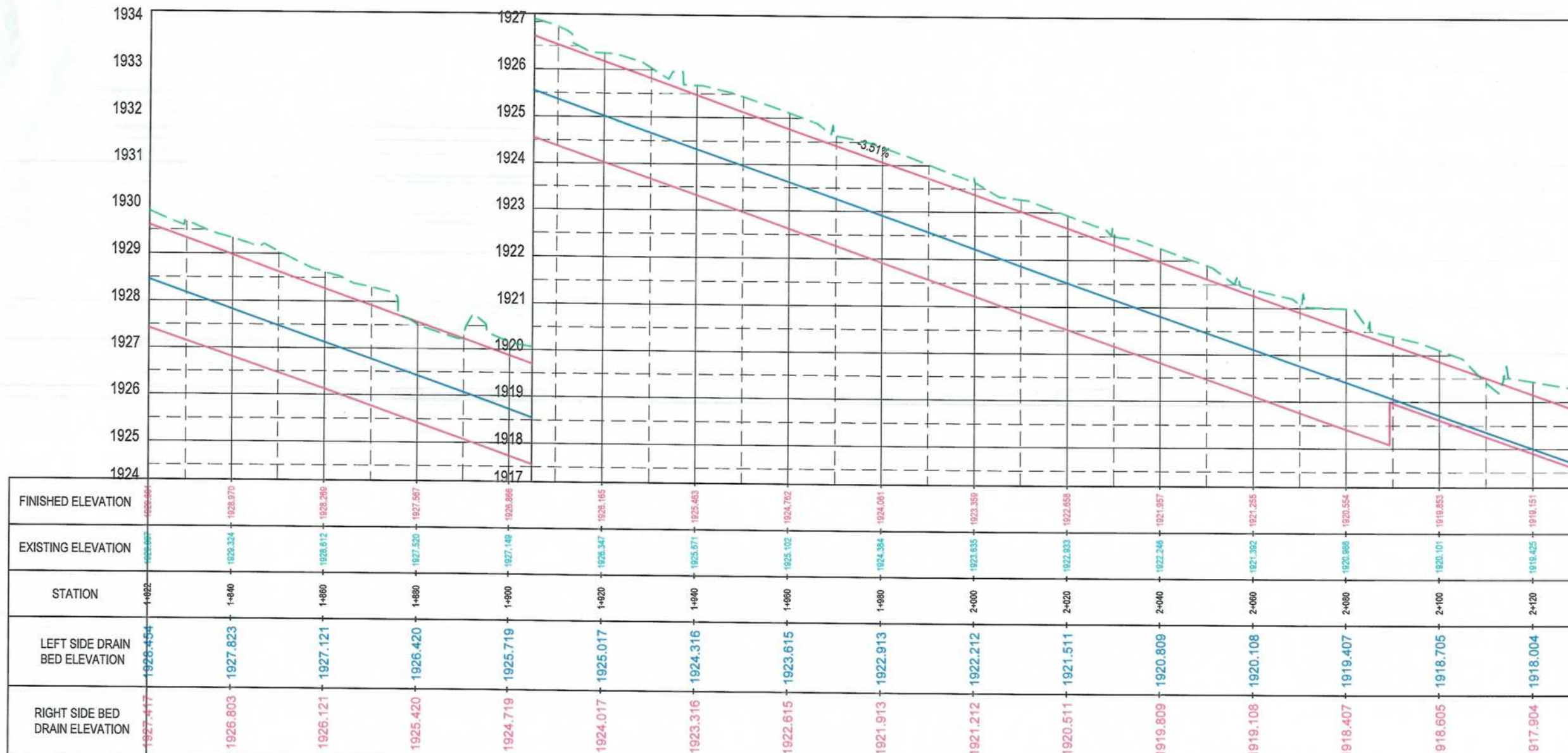
Checked by: Hasibullah Shalizi

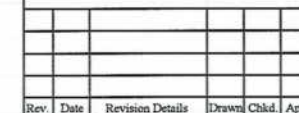
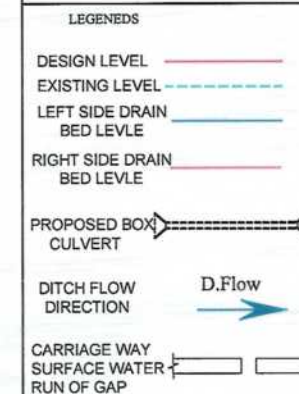
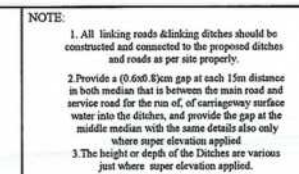
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VER: 1:100

Status: FINAL DESIGN

SHEET NO. DR-PP-07

Revision
01



ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

DRAINAGE PLAN & PROFILE

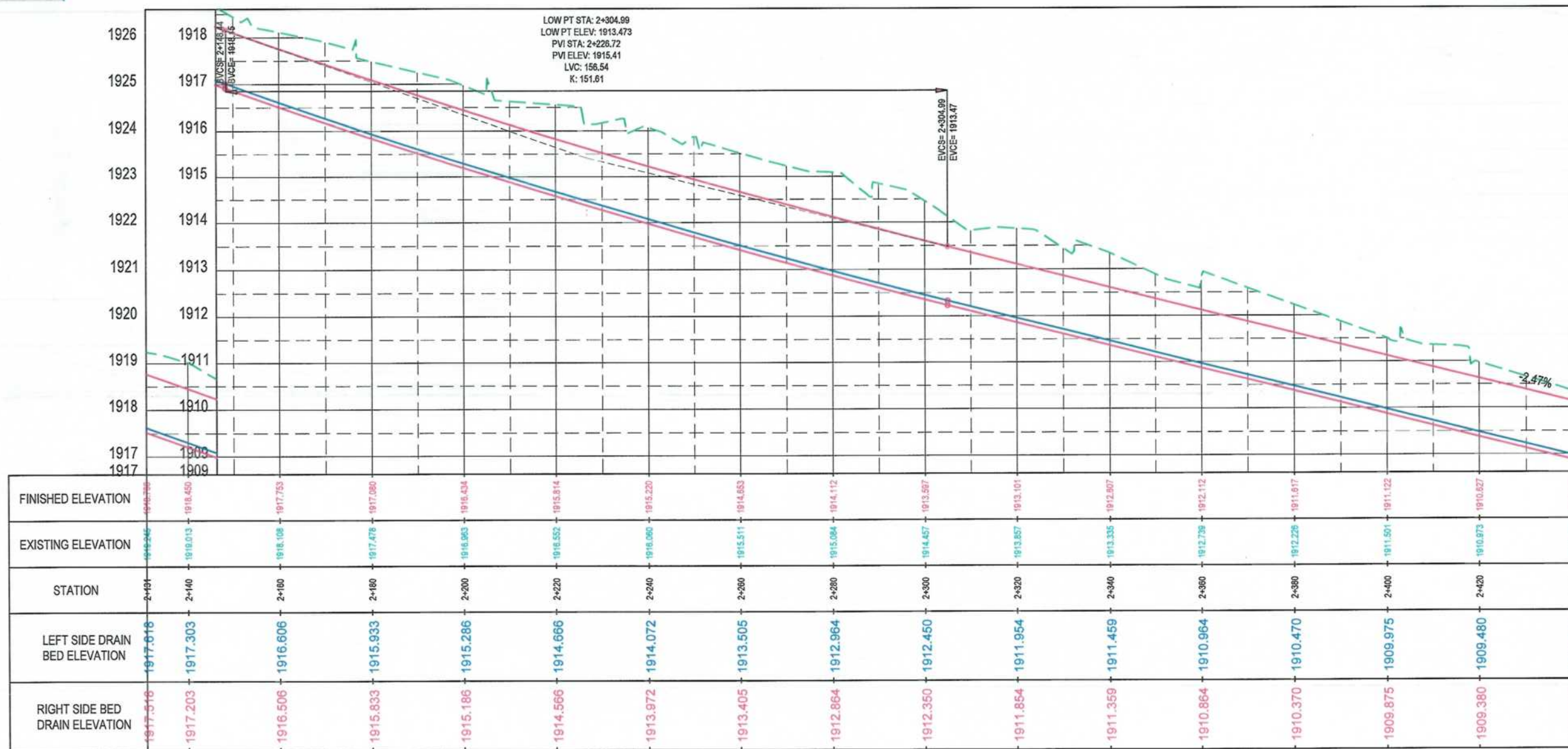
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| Designed by: Abdul Shaloor Mansour | Signature:  |
| Checked by: Hasibullah Shalizi | Signature:  |

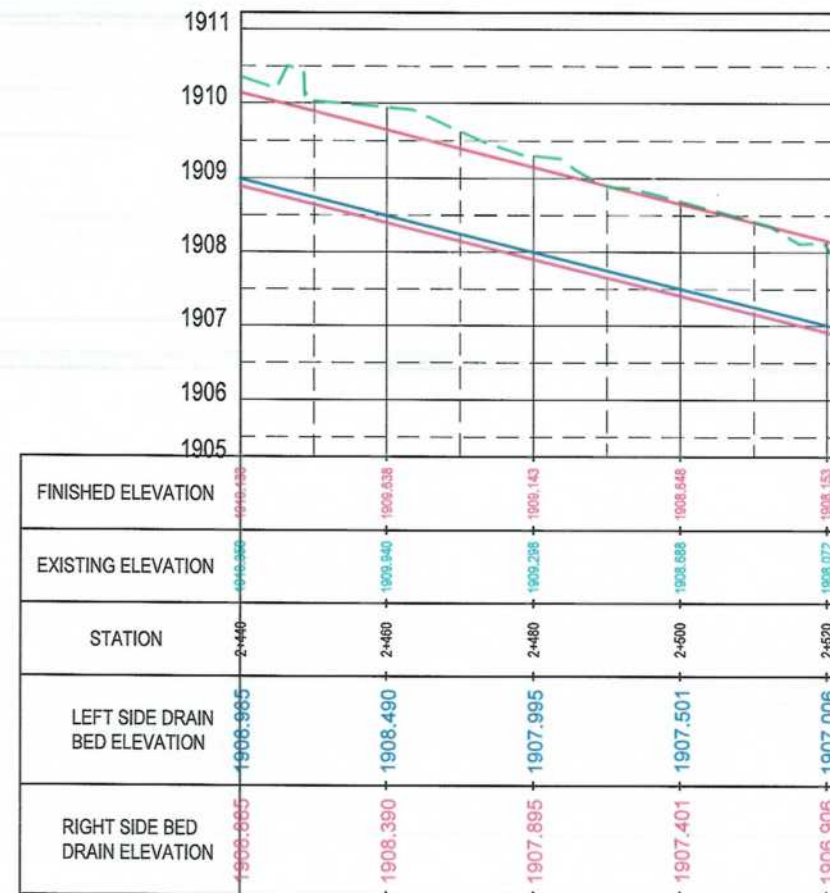
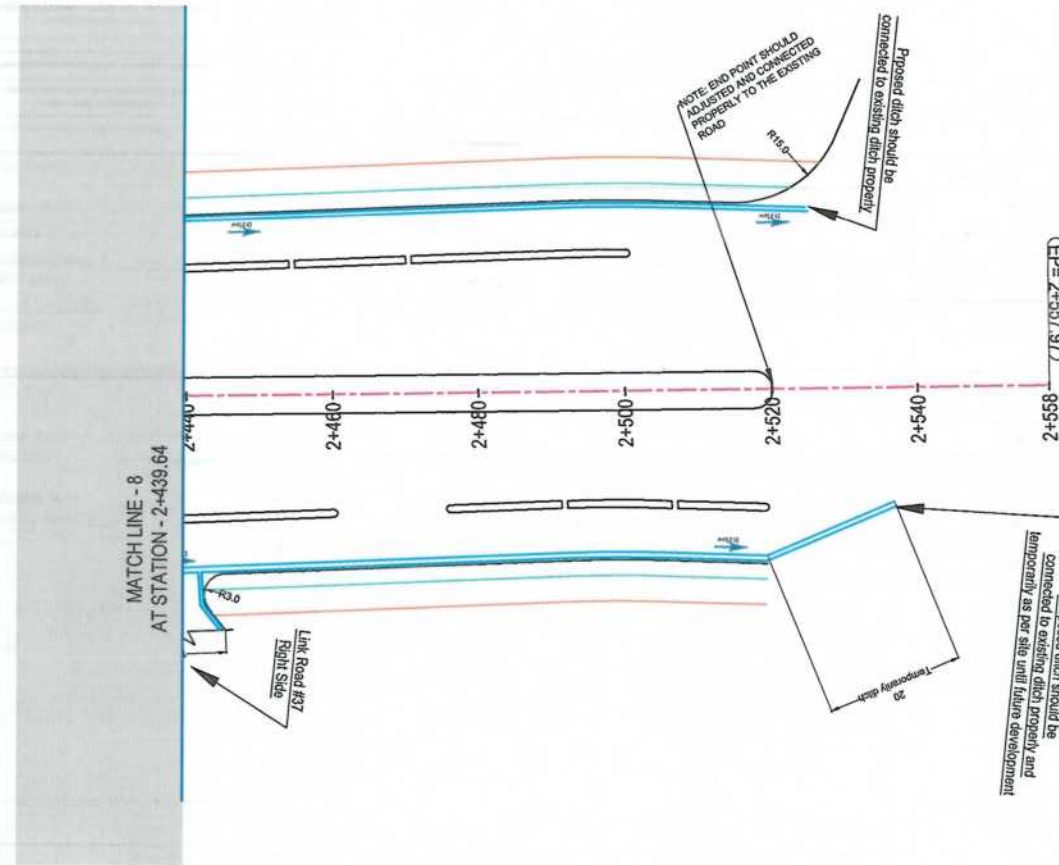
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Scale: HOR: 1:1000
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Status: **FINAL DESIGN**

| | |
|-----------|----------|
| SHEET NO. | Revision |
| DR-PP-08 | 01 |





- NOTE:
1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
 2. Provide a (0.6x0.8)m gap at each 15m distance in both median that is between the main road and service road for the run of, of carriageway surface water into the ditches, and provide the gap at the middle median with the same details also only where super elevation applied.
 3. The height or depth of the Ditches are various just where super elevation applied.

LEGENDS

- DESIGN LEVEL ————
- EXISTING LEVEL - - - - -
- LEFT SIDE DRAIN BED LEVEL ————
- RIGHT SIDE DRAIN BED LEVEL ————
- PROPOSED BOX CULVERT
- DITCH FLOW DIRECTION
- CARRIAGE WAY SURFACE WATER RUN OF GAP

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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
DRAINAGE PLAN & PROFILE

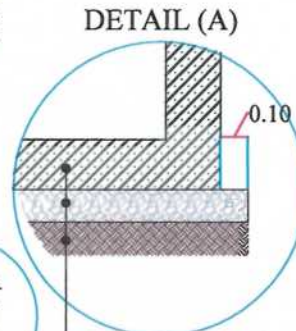
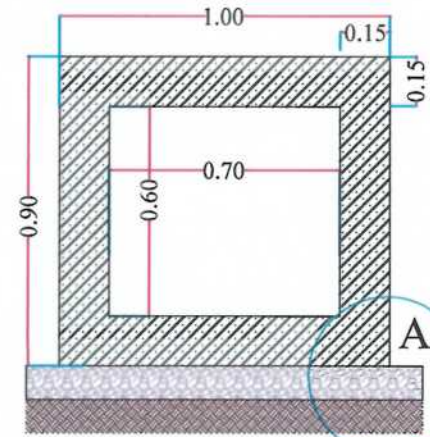
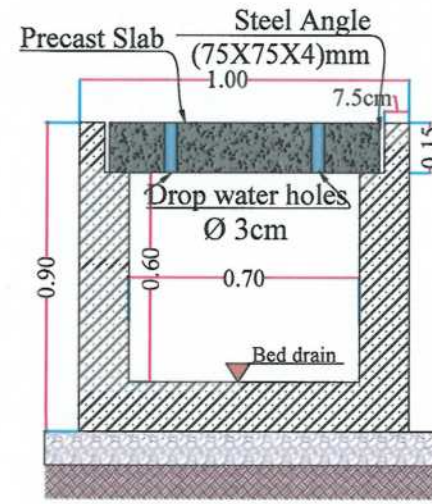
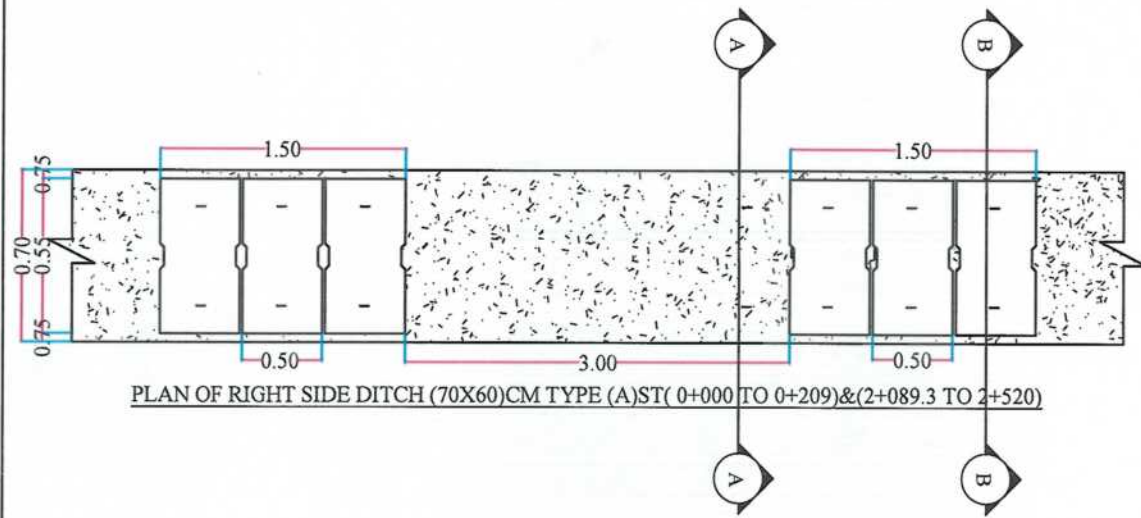
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| Drawn by: Abdul Shaloor Mansour | Signature: |
| Designed by: Abdul Shaloor Mansour | Signature: |
| Checked by: Hasibullah Shalizi | Signature: |

Date: 7/10/2023 Scale: HOR: 1:1000
VER: 1:100

Status: FINAL DESIGN

| | |
|-----------------------|----------------|
| SHEET NO. DR-PP-09 | Revision 01 |
|-----------------------|----------------|

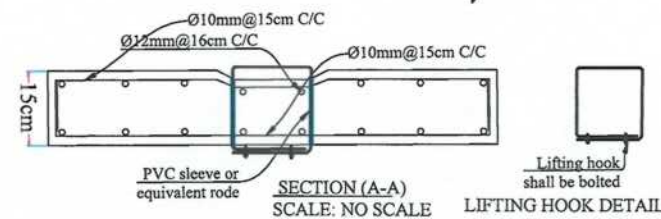
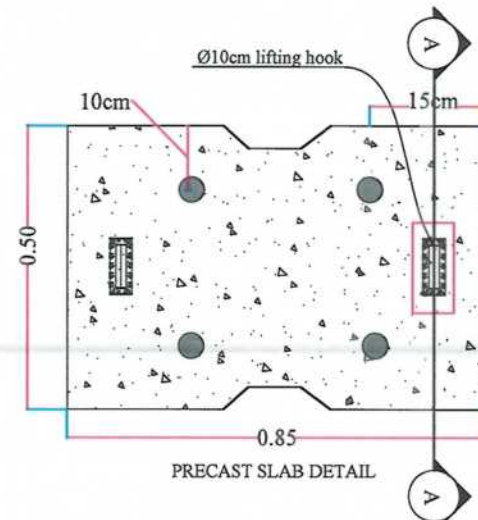
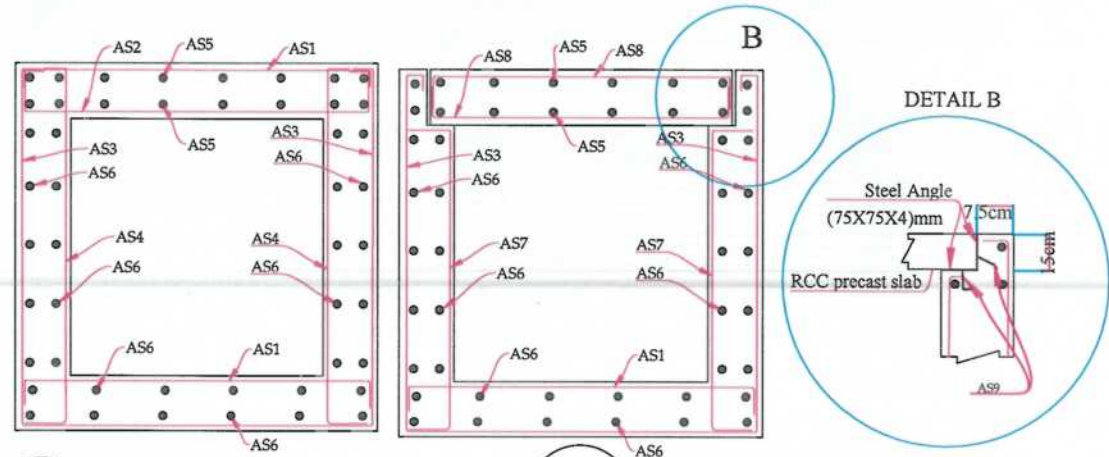




RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)

DRT:A
TCS(01)

DRT:A
TCS(01)



| DITCH (100X90) CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 160 | | |
| As2 | | 12 | 160 | | |
| As3 | | 12 | 160 | | |
| As4 | | 12 | 160 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 150 | | |
| As8 | | 12 | 160 | | |
| As9 | | 8 | 200 | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Construction affairs of the second lot of Kotel Khair Khaneh Mina Road

Drawing Title: Right Side, Side drain typical cross section type (A)

Drawn: Nooryalia Naseri
Designed: Abdul Shakoor Mansour
Checked: Habibullah Shalizi

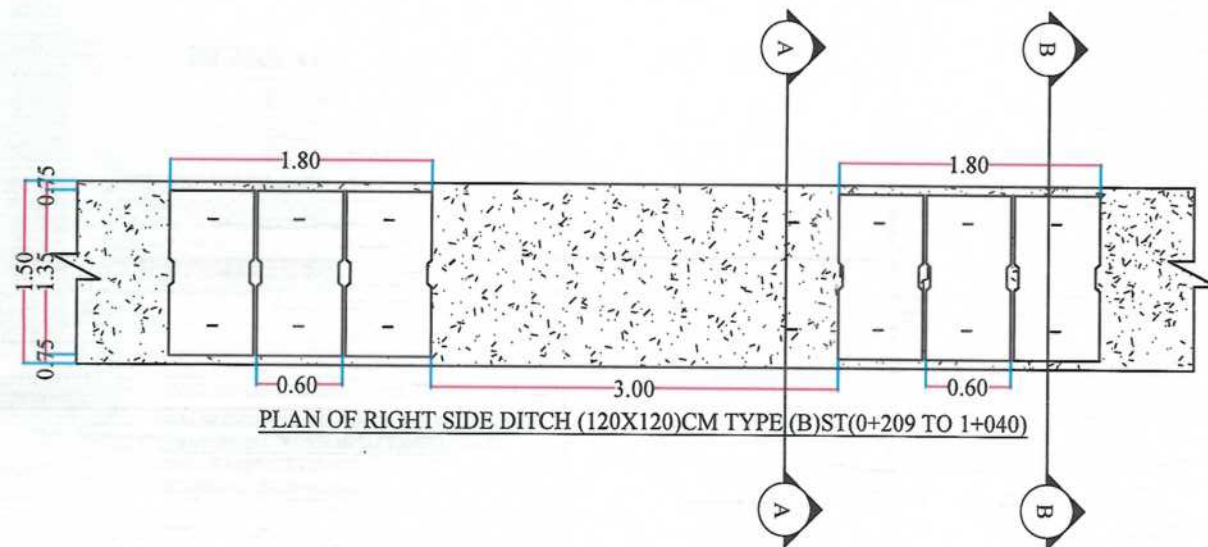
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Date: 07/23/2023 Scale:

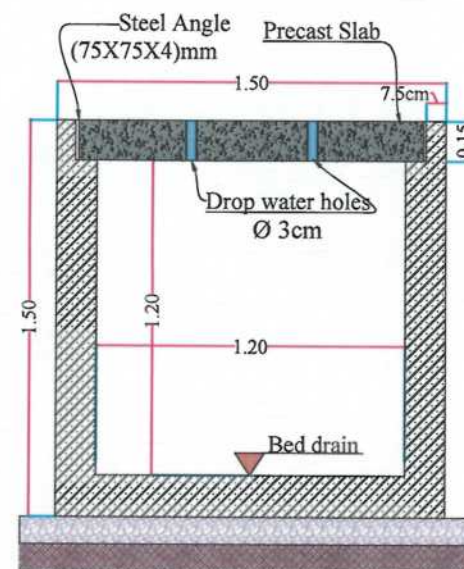
Status: FINAL DESIGN

Project Code

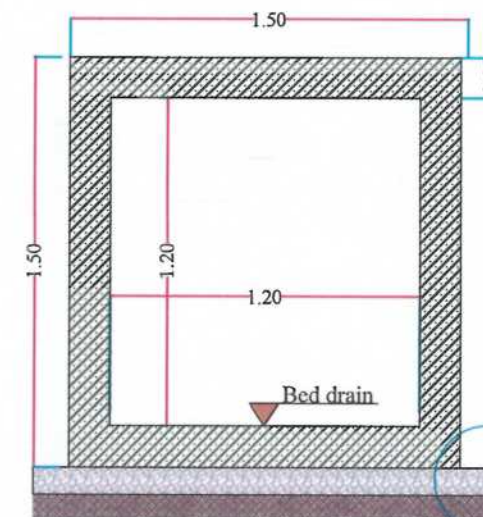
SHEET NO. 01 Revision 01



PLAN OF RIGHT SIDE DITCH (120X120)CM TYPE (B) ST(0+209 TO 1+040)

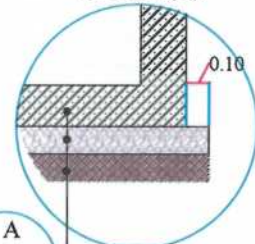


DRT:B
TCS(01) DETAIL SECTION (B-B)
SCALE: NTS

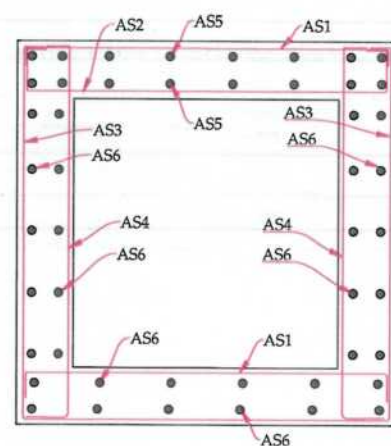


DRT:B
TCS(01) DETAIL SECTION (A-A)
SCALE: NTS

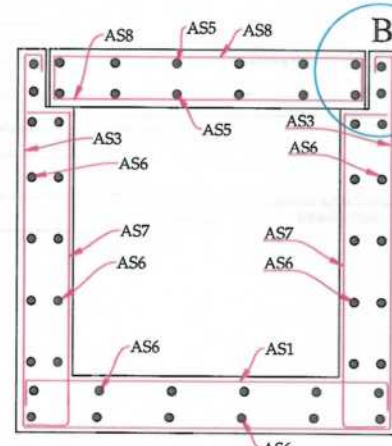
DETAIL (A)



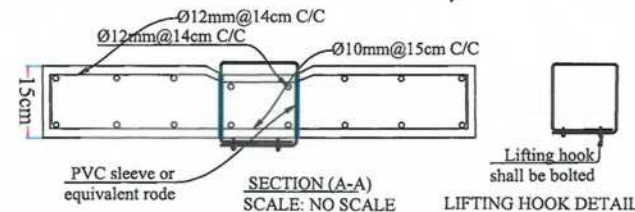
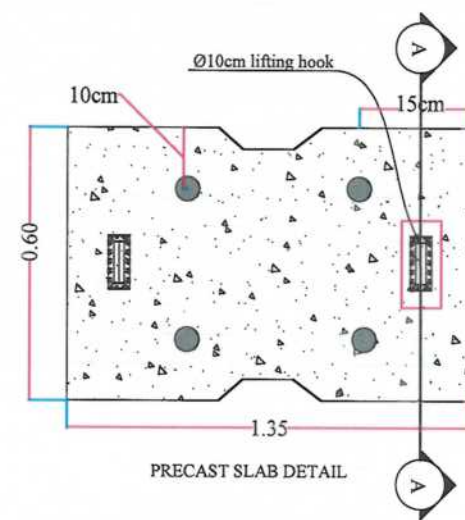
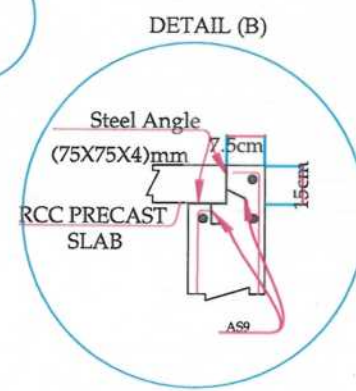
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



DRT:B
TCS(01) DETAIL OF REINFORCING SECTION (A-A)
SCALE: NTS



DRT:B
TCS(01) DETAIL OF REINFORCING SECTION (B-B)
SCALE: NTS



| DITCH (150X150)CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 14 | 140 | | |
| As2 | | 14 | 140 | | |
| As3 | | 14 | 140 | | |
| As4 | | 14 | 140 | | |
| As5 | | 12 | 150 | | |
| As6 | | 12 | 150 | | |
| As7 | | 12 | 140 | | |
| As8 | | 12 | 140 | | |
| As9 | | 8 | 200 | | |

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



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

ISLAMIC EMARATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction affairs of the second lot of Kotel Khair
Khunch Mina Road

Drawing Title:

Right Side, Side drain typical cross
section type (B)

Drawn By:

Nooriya Naseri

Signature:

Designed By:

Abdul Shakoor Mansour

Signature:

Checked By:

Hanbulah Shalizi

Signature:

Reviewed By:

Signature:

Date:

07/23/2023

Scale:

Status:

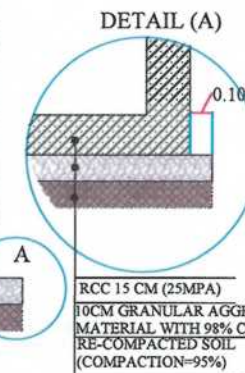
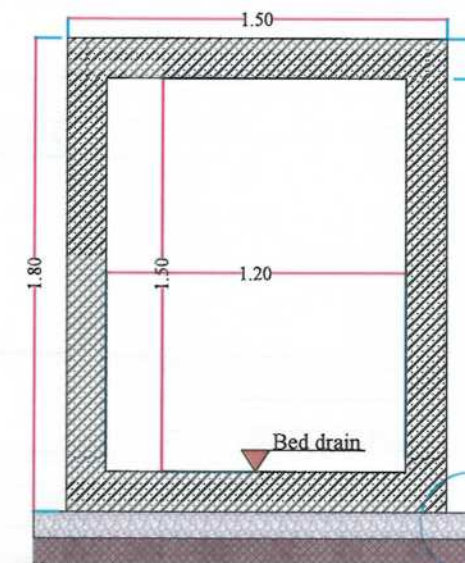
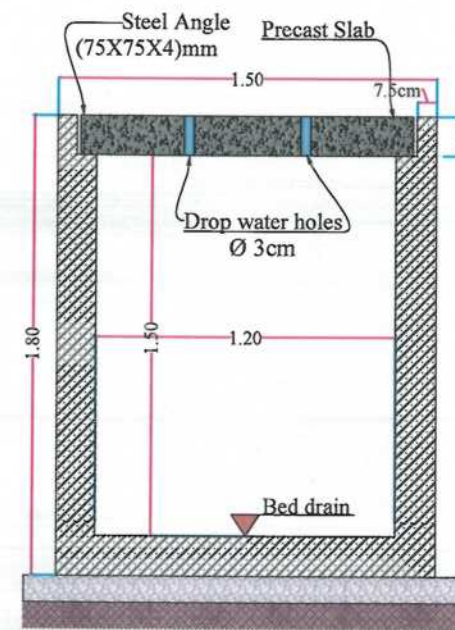
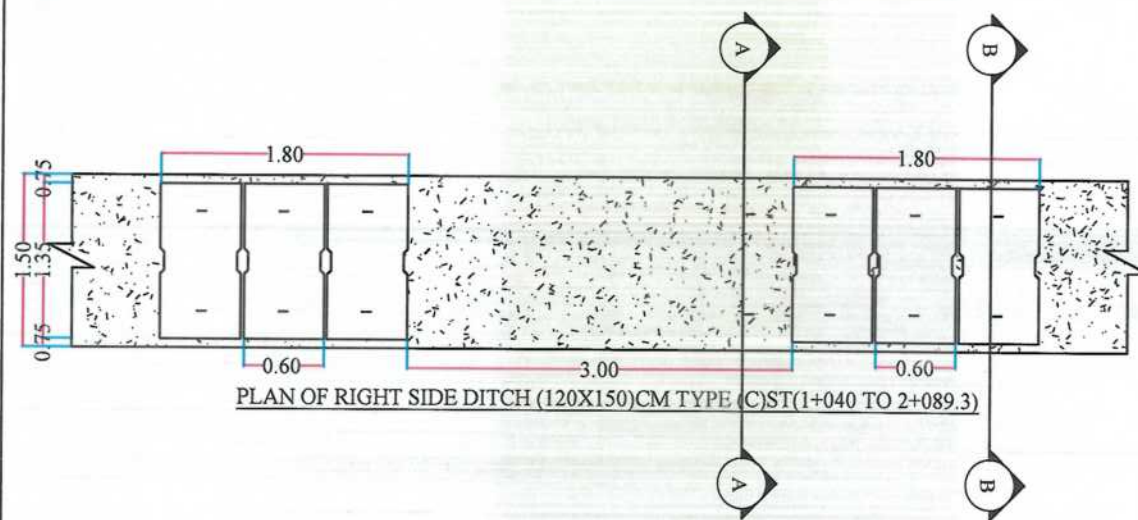
Project Code

Drawing Number

02

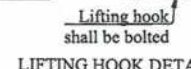
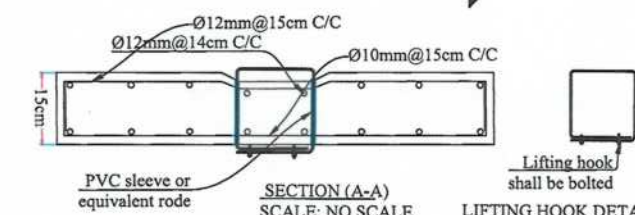
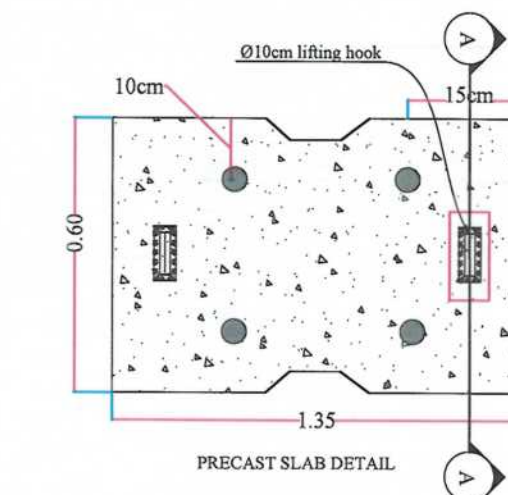
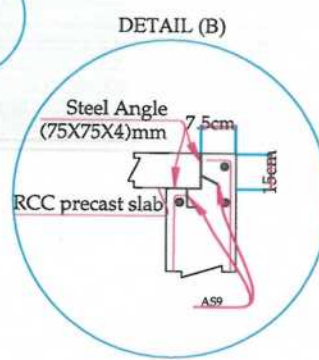
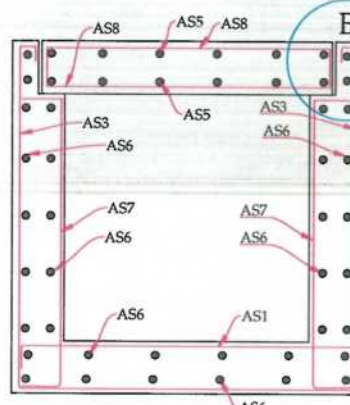
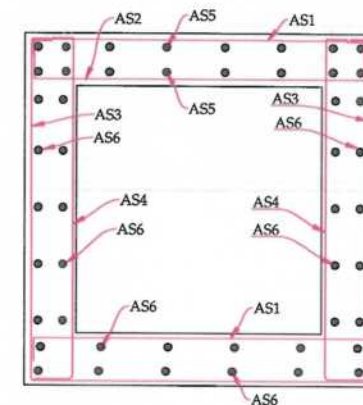
Revision

00



DRT:C
TCS(01)

DRT:C
TCS(01)



| DITCH (150X180)CM REINFORCEMENT SCHEDULE | | | | |
|--|-----------|--------|--------------|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | Remark |
| As1 | | 14 | 140 | |
| As2 | | 14 | 140 | |
| As3 | | 14 | 140 | |
| As4 | | 14 | 140 | |
| As5 | | 12 | 150 | |
| As6 | | 12 | 150 | |
| As7 | | 12 | 140 | |
| As8 | | 12 | 140 | |
| As9 | | 8 | 200 | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

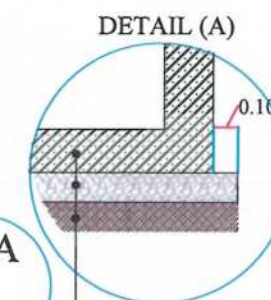
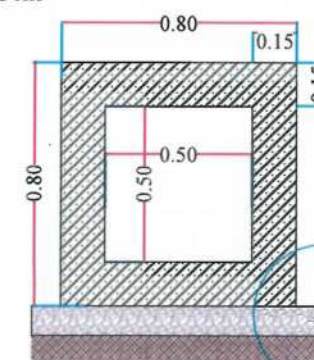
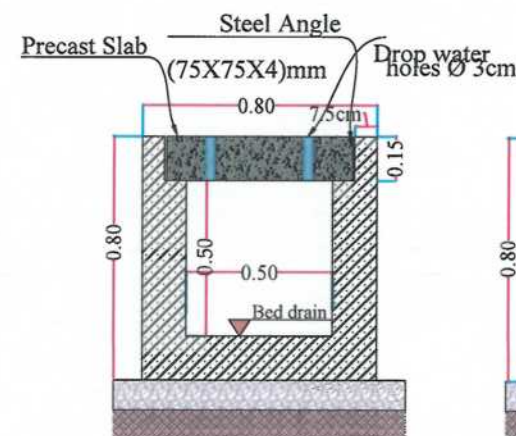
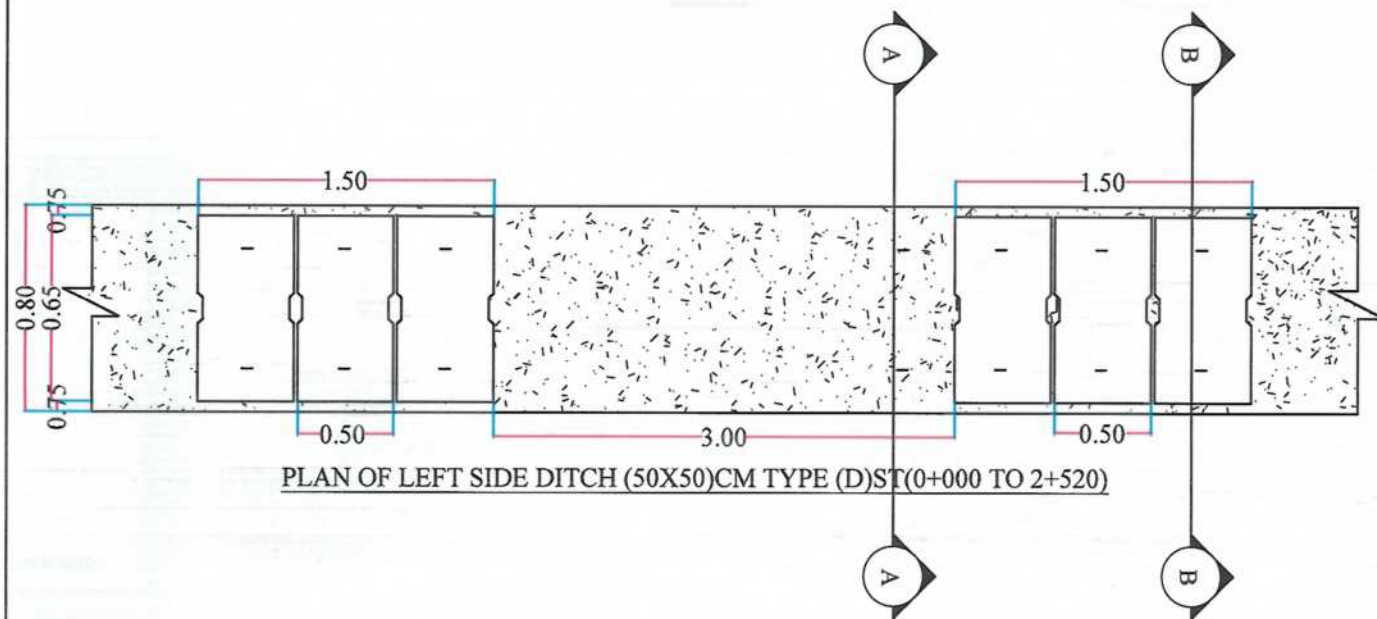
Designed By: KABUL MUNICIPALITY DESIGN TEAM

Project Name: Construction affairs of the second lot of Kotel Khair Khanah Mina Road

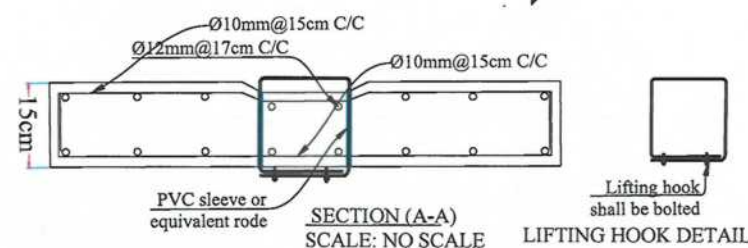
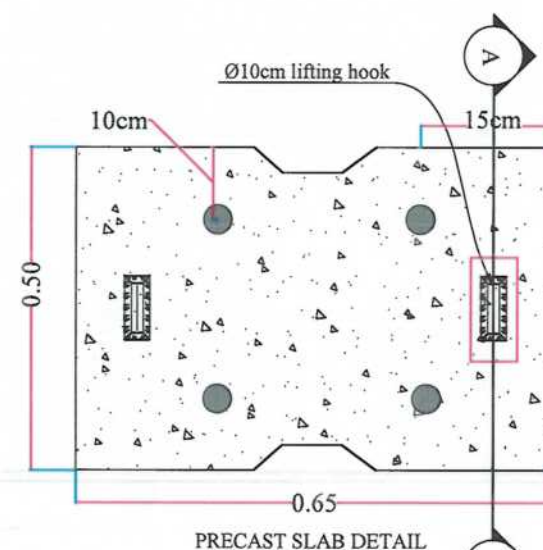
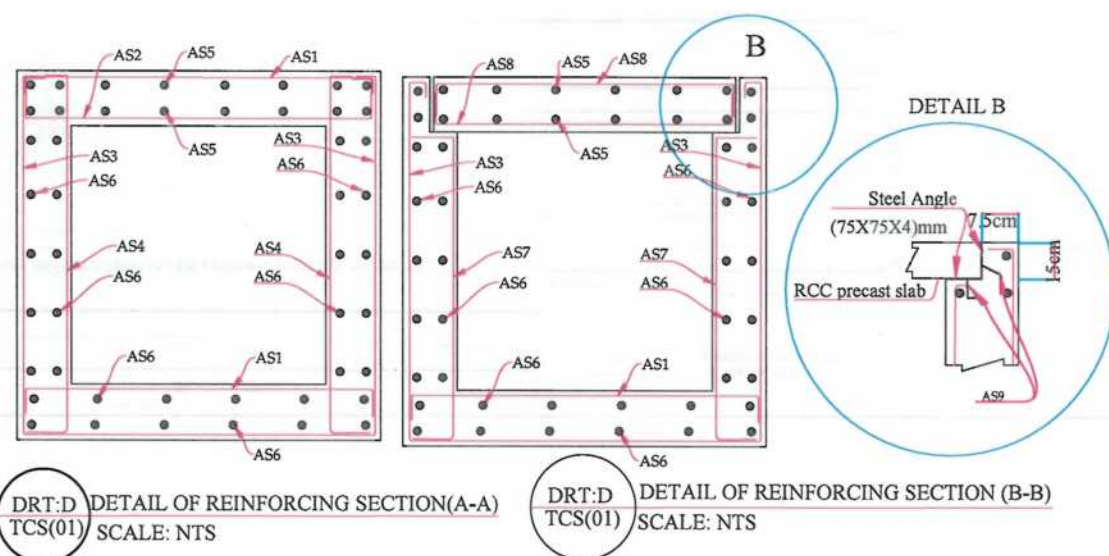
Drawing Title: Right Side, Side drain typical cross section type (C)

Drawn: Nooriyala Naseri
Designed: Abdul Shakoor Mansour
Checked: Hasibullah Shalizi

Date: 07/23/2023
Status: FINAL DESIGN
Project Code: SHEET NO. 03
Revision: 01



RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



| DITCH (80X80) CM REINFORCEMENT SCHEDULE | | | | | |
|---|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 170 | | |
| As2 | | 12 | 170 | | |
| As3 | | 12 | 170 | | |
| As4 | | 12 | 170 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 170 | | |
| As8 | | 12 | 170 | | |
| As9 | | 8 | 200 | | |

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

Rev. Date Revision Details Drawn Chkd Appd

ISLAMIC EMARATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction affairs of the second lot of Kotel Khair
Khaneh Mina Road

Drawing Title:

Left Side, Side drain typical cross
section type (D)

Drawn By:

Noorvali Naseri

Designed By:

Abdul Shukoor Mansour

Checked By:

Hasibullah Shalizi

Reviewed By:

Date:

07/23/2023

Status:

FINAL DESIGN

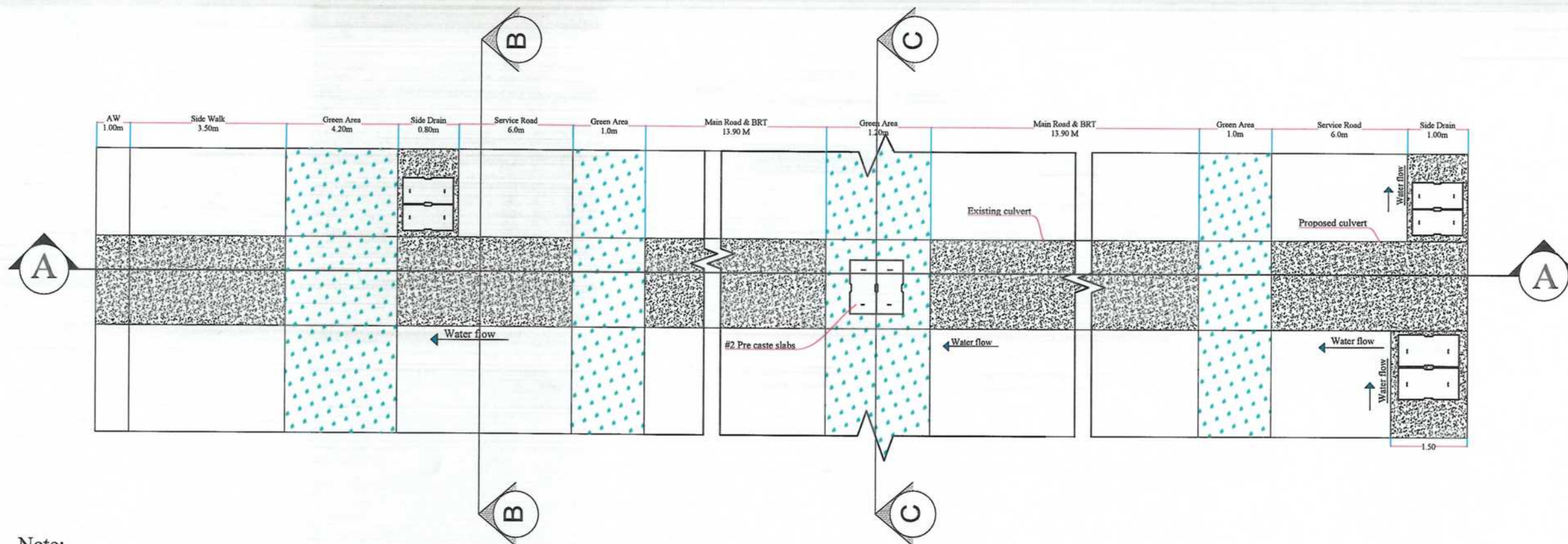
Project Code

Drawing Number

04

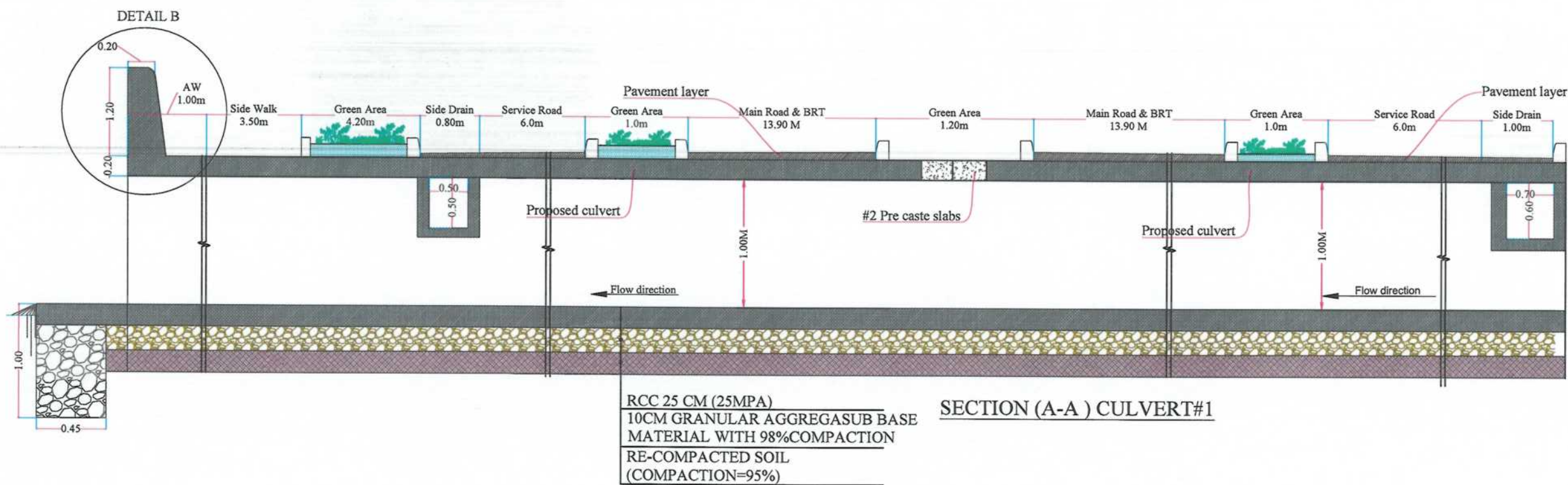
Revision

00



Note:
Inlet and outlet of proposed culvert properly should be adjusted
as per site

PLAN OF RCC CULVERT # 1 STATION(0+064.44)



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



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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction affairs of the second lot of Kotel Khair
Khaneh Mina Road

Drawing Title:
CULVERT#1 TYPICAL CROSS
SECTION

Drawn:
Nooryalia Naseri

Designed:
Abdul Shakoor Manan

Checked:
Hassibullah Shalizi

Signature:

Signature:

Signature:

Date: 07/23/2023

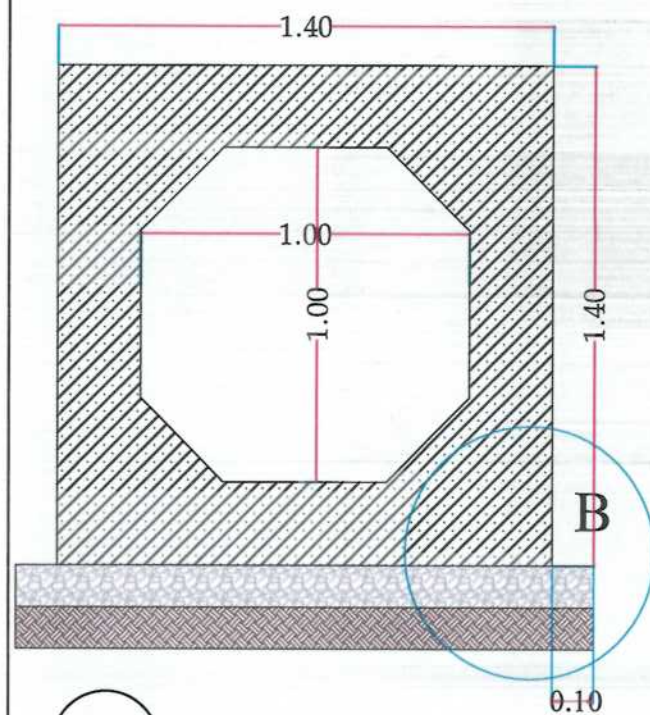
Scale:

Status: FINAL DESIGN

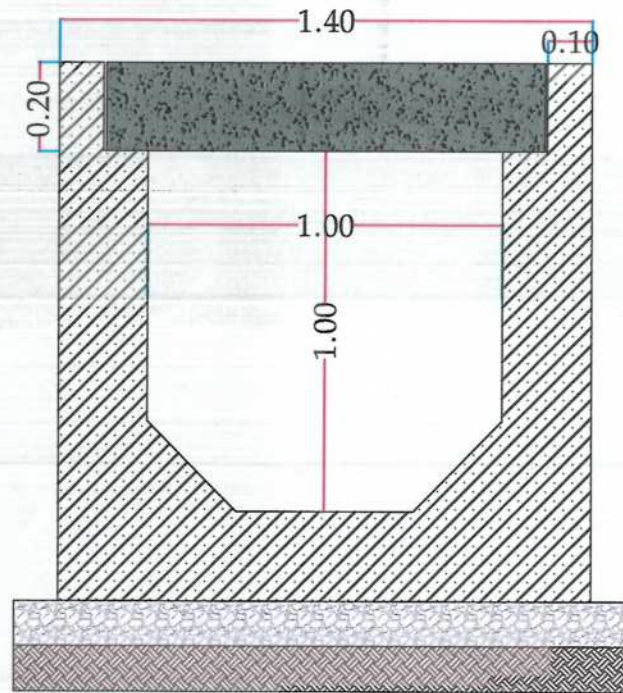
Project Code

SHEET NO. 01

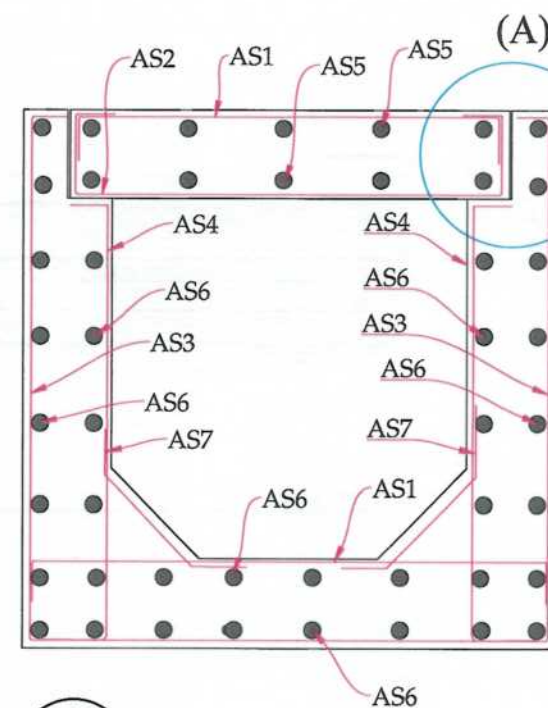
Revision 01



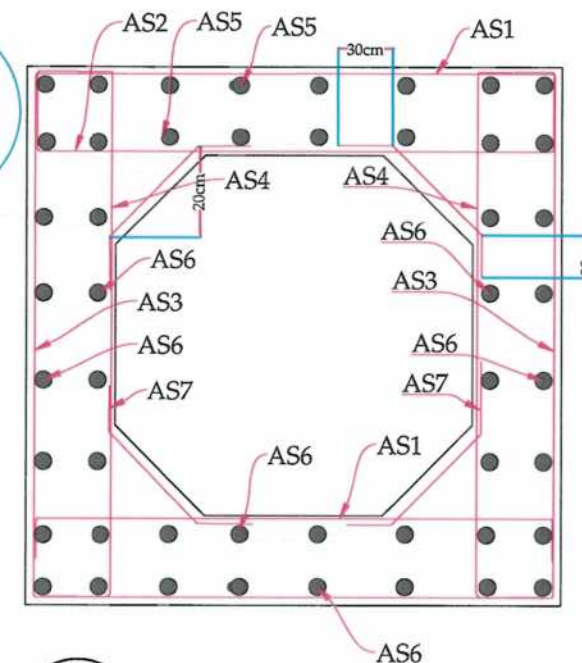
T-CUL(1) DETAIL SECTION(B-B)
SCALE: NTS



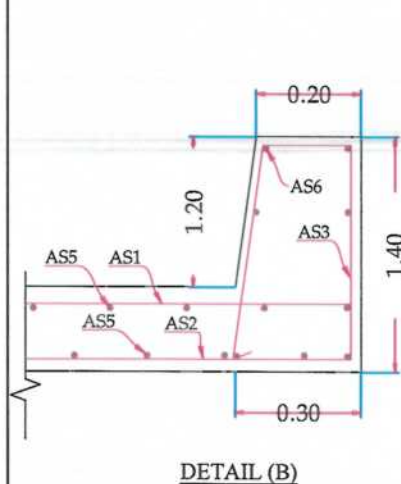
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SCALE: NTS



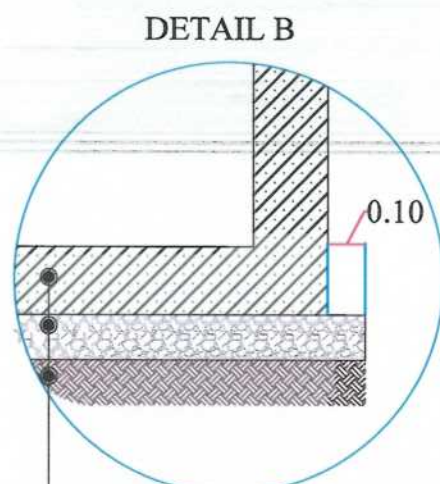
T-CUL(1) DETAIL SECTION(C-C)
SCALE: NTS



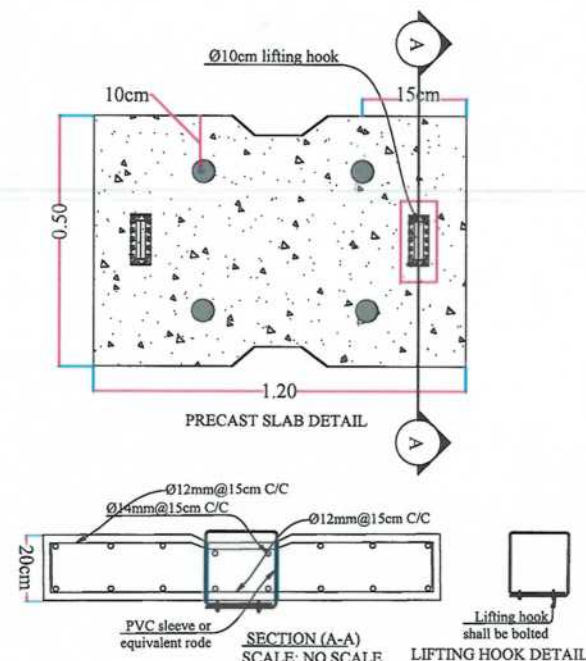
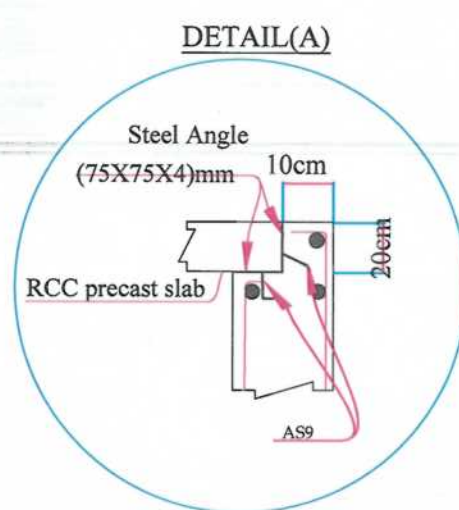
T-CUL(1) DETAIL SECTION(B-B)
SCALE: NTS



DETAIL (B)



RCC 20 CM (25MPA)
10CM GRANULAR AGGREGATE
SUB BASE MATERIAL WITH 98%
COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



| SCHEDULE STEEL BARS OF CULVERT #1 | | | | | |
|-----------------------------------|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 14 | 150 | | |
| As2 | | 14 | 150 | | |
| As3 | | 14 | 150 | | |
| As4 | | 14 | 150 | | |
| As5 | | 12 | 150 | | |
| As6 | | 12 | 150 | | |
| As7 | | 12 | 300 | | |
| As9 | | 12 | 150 | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By: KABUL MUNICIPALITY DESIGN TEAM

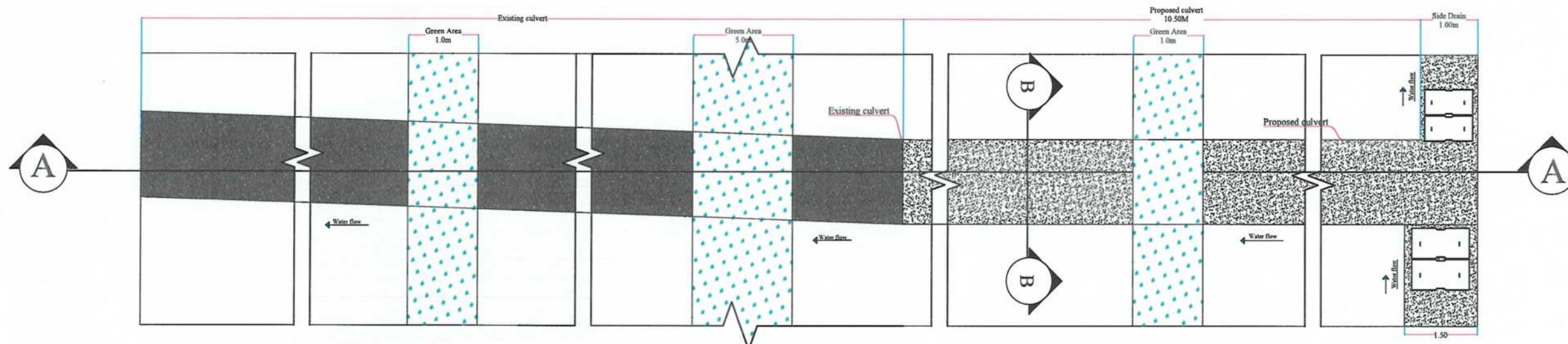
Project Name: Construction affairs of the second lot of Kotel Khair Khanch Mina Road

Drawing Title: CULVERT#1 TYPICAL CROSS SECTION DETAIL

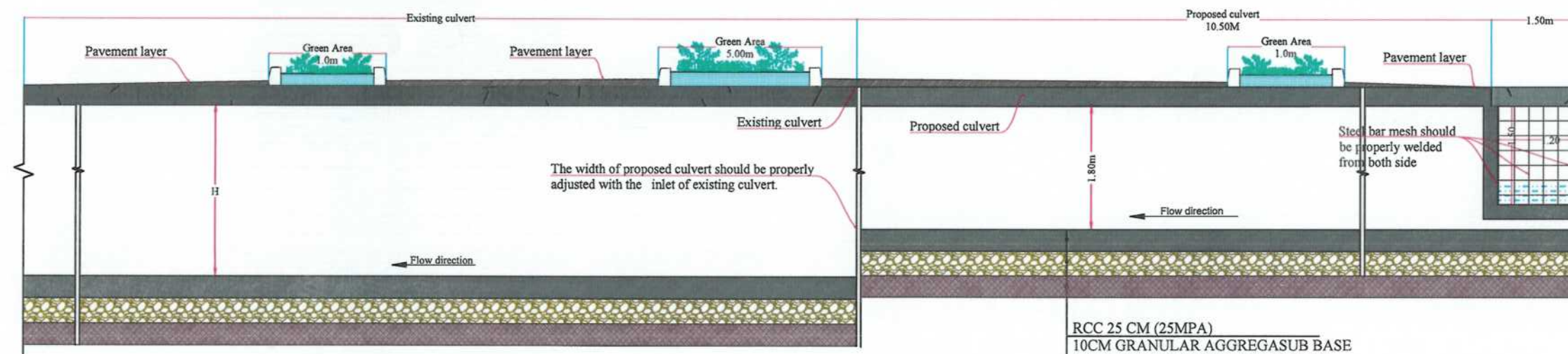
Drawn: Nooryalia Nasiri
Designed: Abdul Shakoor Memon
Checked: Habibullah Shalizi

Date: 07/23/2023
Scale: FINAL DESIGN

Project Code: SHEET NO. 03 Revision 01



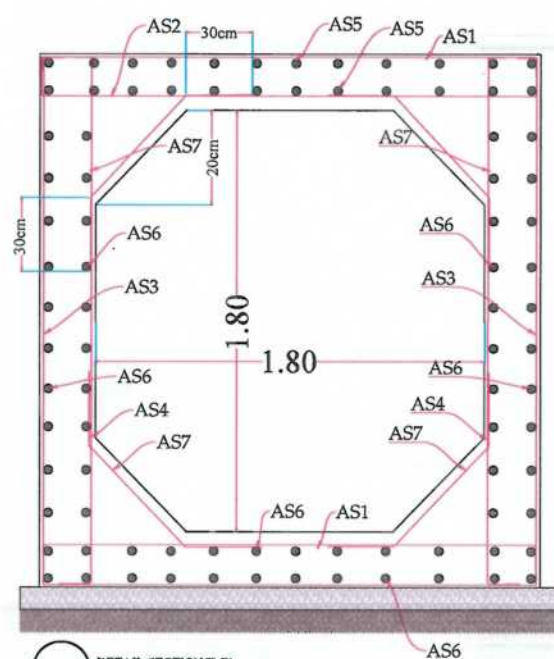
PLANE OF CULVERT#2 STATION(2+082.56)



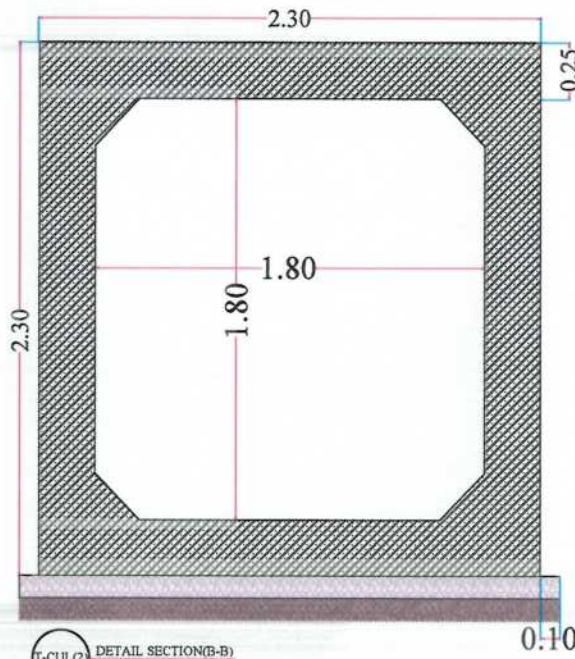
SECTION (A-A) CULVERT#2

RCC 25 CM (25MPA)
10CM GRANULAR AGGREGASUB BASE
MATERIAL WITH 98%COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)

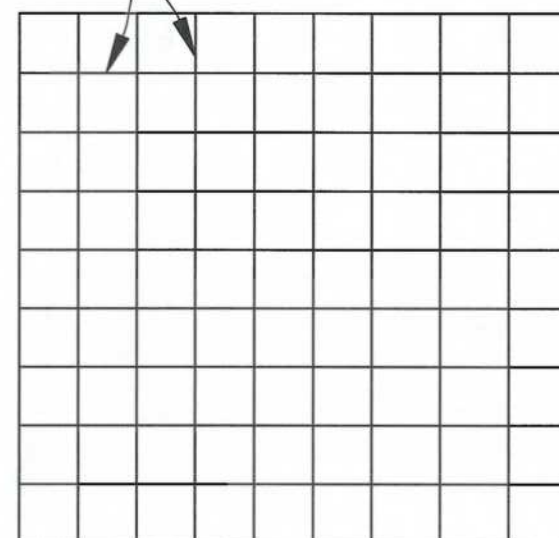
Ø10mm@5cm



DETAIL SECTION(B-B)
SCALE: NTS



DETAIL SECTION(B-B)
SCALE: NTS



STEEL BAR MESH DETAIL

| CULVERT #2 REINFORCEMENT SCHEDULE | | | | |
|-----------------------------------|-----------|--------|--------------|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | Remark |
| As1 | | 16 | 150 | |
| As2 | | 16 | 150 | |
| As3 | | 16 | 150 | |
| As4 | | 16 | 150 | |
| As5 | | 12 | 150 | |
| As6 | | 12 | 150 | |
| As7 | | 12 | 300 | |

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



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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
Construction affairs of the second lot of Kotel Khair
Khanah Mina Road

Drawing Title:

CULVERT#2 TYPICAL CROSS
SECTION

Drawn:

Nooryalia Naseri

Signature:

Designed:

Abdul Shaloor Mansour

Signature:

Checked:

Hanibullah Shalizi

Signature:

Date: 07/23/2023

Scale:

Status:

FINAL DESIGN

Project Code

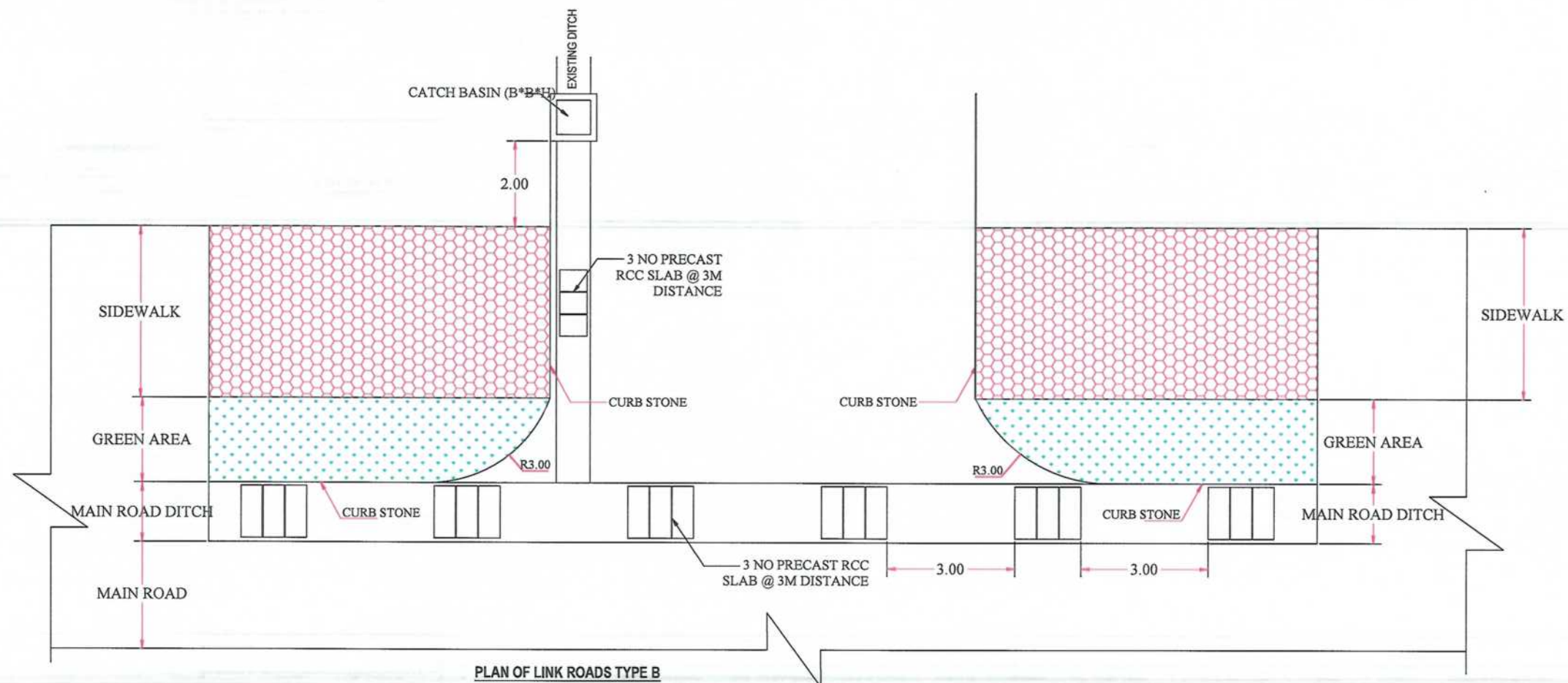
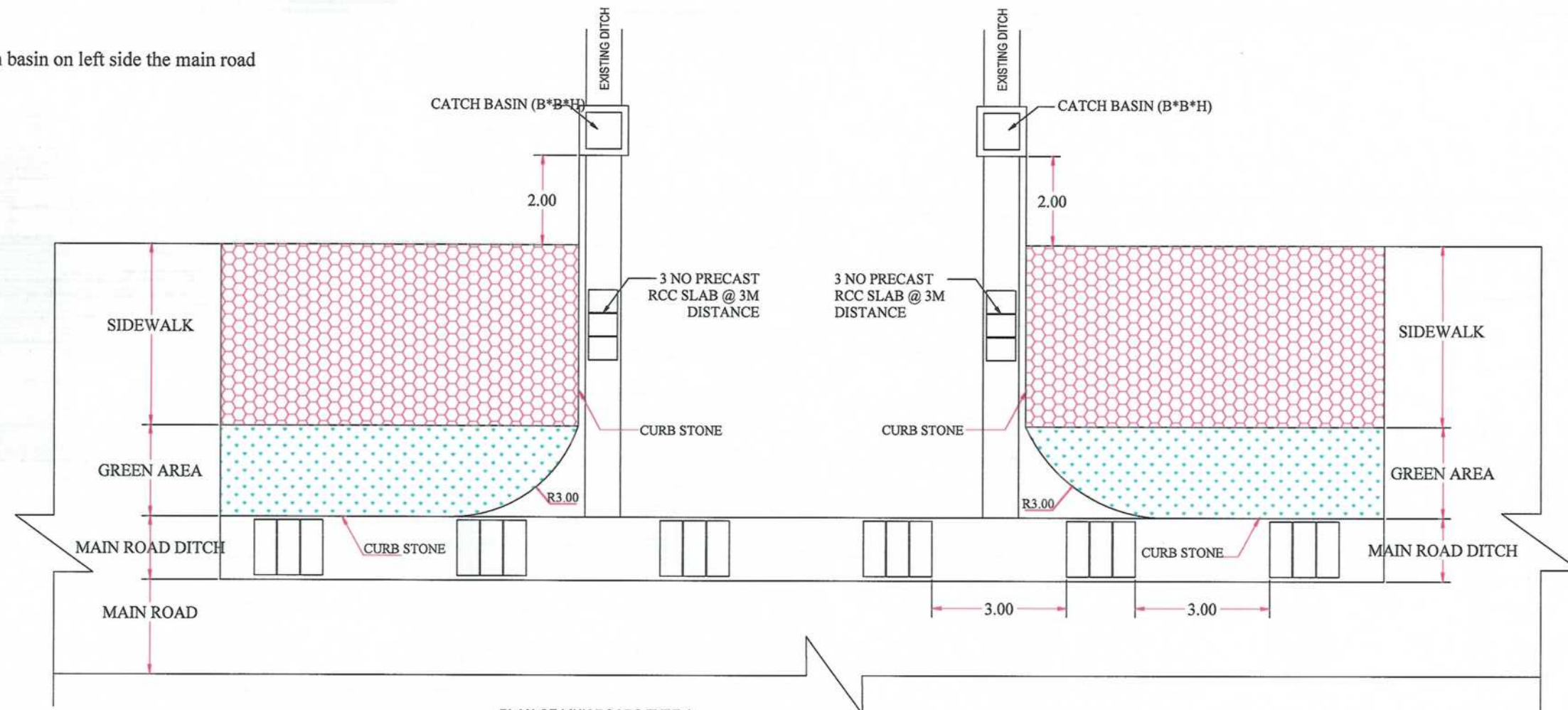
SHEET NO.

01

Revision

01

Link road drain Catch basin on left side the main road should not be built



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

ABUL MUNICIPALITY
DESIGN TEAM

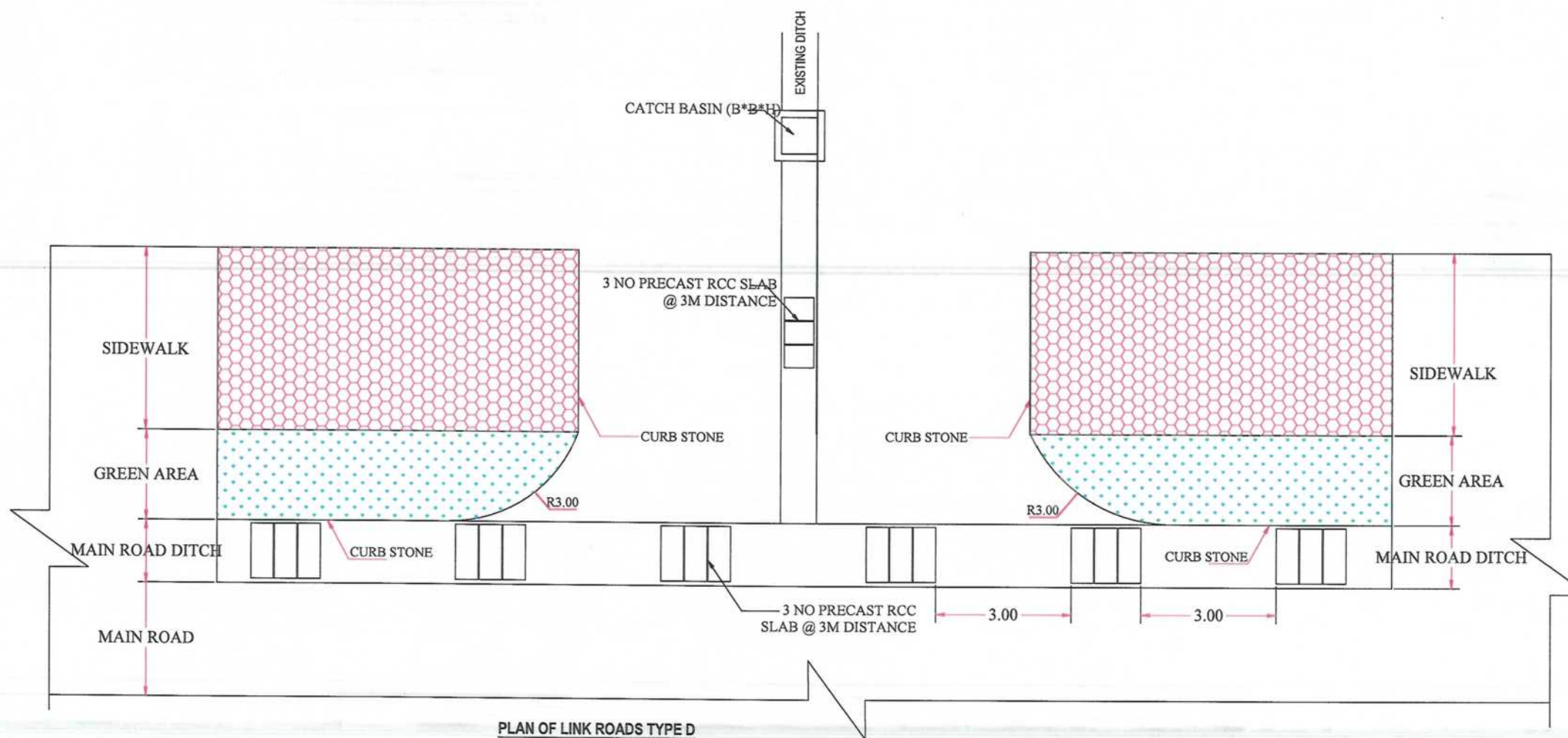
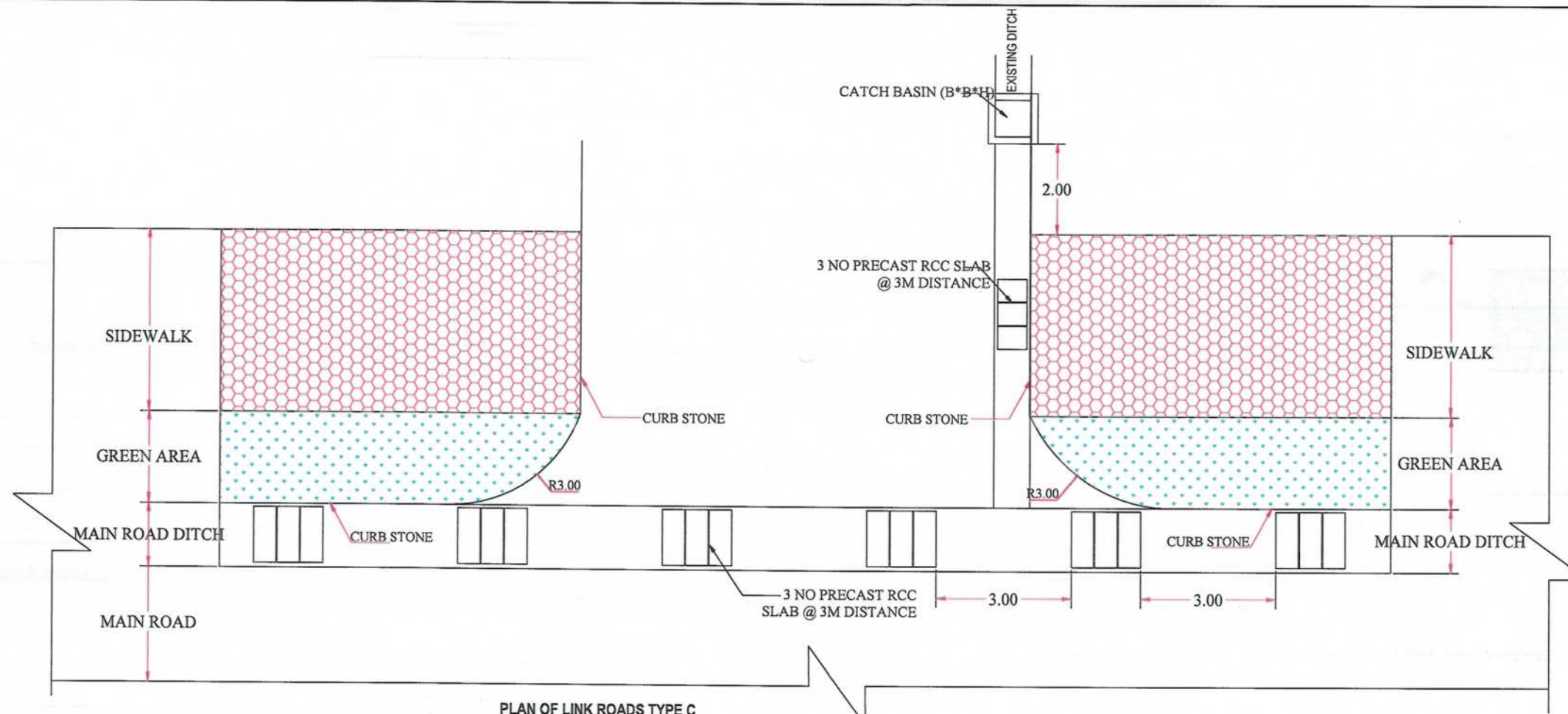
LINK ROAD'S PLAN

Signature: 

Scale: -

Project Code

01



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:

CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:

LINK ROAD'S PLANS

Drawn:
Nooryalai Naseri

Signature:

Designed:
Abdul Shakoor Mansour

Signature:

Checked:
Hasibullah Shalizi

Signature:

Date:
07/23/2023

Scale:

Status: FINAL DESIGN

Project Code

SHEET NO.

LR(P-02)

Revision

01

| SCHEDULE OF LINK ROAD DRAIN ON RITHT SIDE THE MAIN RAOD | | |
|---|---------------|-----------------------|
| NO:LINK ROAD | TYPE OF DRAIN | LOCATION ON LINK ROAD |
| 1 | a | BOTH SIDE |
| 2 | a | MIDDLE |
| 3 | a | RIGHT SIDE |
| 4 | a | MIDDLE |
| 5 | a | LEFT SIDE |
| 6 | a | MIDDLE |
| 7 | b | BOTH SIDE |
| 8 | a | MIDDLE |
| 9 | b | BOTH SIDE |
| 10 | c | BOTH SIDE |
| 11 | c | BOTH SIDE |
| 12 | c | BOTH SIDE |
| 13 | b | MIDDLE |
| 14 | b | MIDDLE |
| 15 | b | LEFT SIDE |
| 16 | b | BOTH SIDE |
| 17 | b | LEFT SIDE |
| 18 | b | MIDDLE |
| 19 | b | MIDDLE |
| 20 | c | MIDDLE |
| 21 | c | MIDDLE |
| 22 | c | LEFT SIDE |
| 23 | c | BOTH SIDE |
| 24 | a | MIDDLE |
| 25 | b | BOTH SIDE |
| 26 | c | LEFT SIDE |
| 27 | a | BOTH SIDE |
| 28 | a | BOTH SIDE |
| 29 | d | BOTH SIDE |
| 30 | d | BOTH SIDE |
| 31 | b | BOTH SIDE |
| 32 | b | BOTH SIDE |
| 33 | b | MIDDLE |
| 34 | b | MIDDLE |
| 35 | b | BOTH SIDE |
| 36 | d | BOTH SIDE |
| 37 | d | BOTH SIDE |

Note:

Link road drain Catch basin on left side the main road should not be built

| SCHEDULE OF LINK ROAD DRAIN ON LEFT SIDE THE MAIN RAOD | | |
|--|---------------|-----------------------|
| NO:LINK ROAD | TYPE OF DRAIN | LOCATION ON LINK ROAD |
| 6 | b | LEFT SIDE |
| 13 | b | LEFT SIDE |
| 14 | b | LEFT SIDE |

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



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:



KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND
LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:

LINK ROAD'S PLAN

Drawn:

Nooryalai Nasiri

Signature:

Designed:

Abdul Shakoor Mansour

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

07/23/2023

Scale:

Status:

FINEL DESIGN

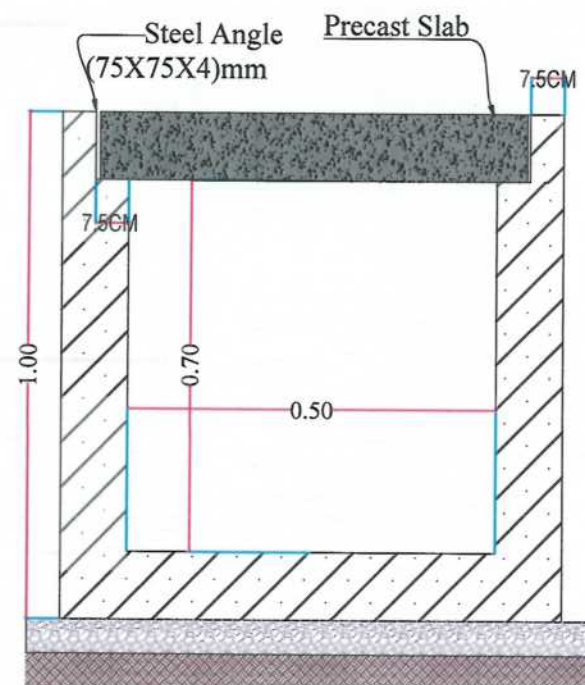
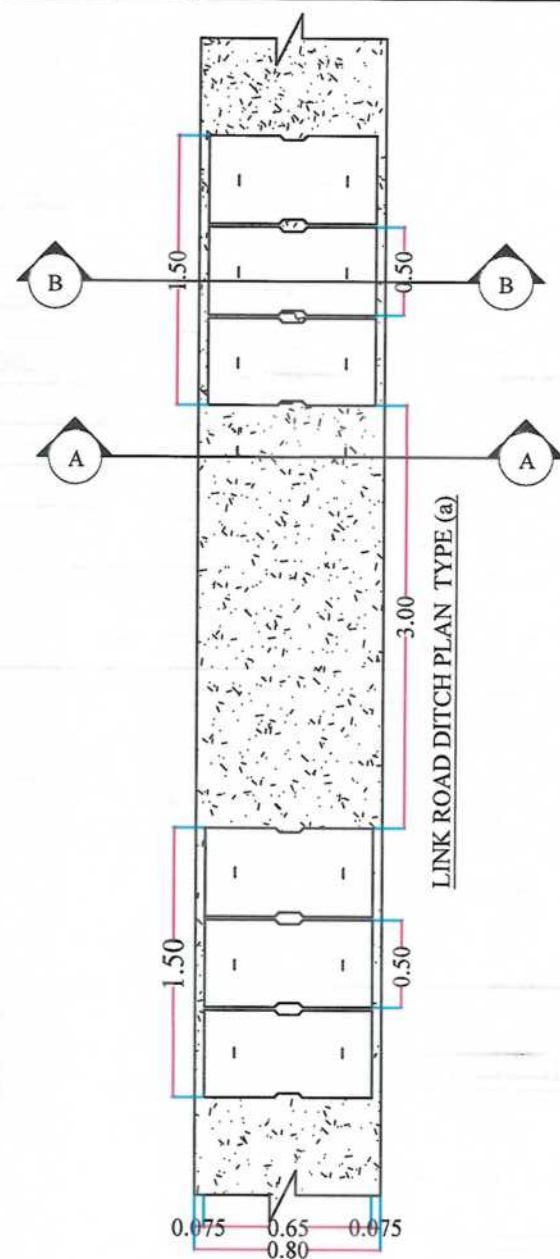
Project Code

SHEET NO.

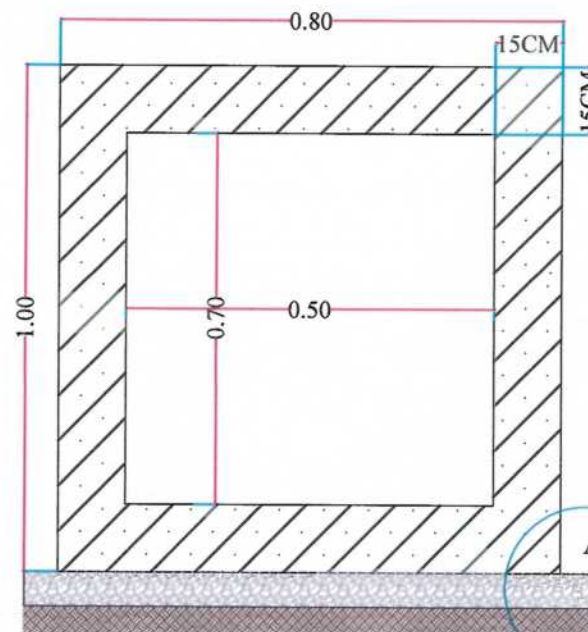
LRP-03

Revision

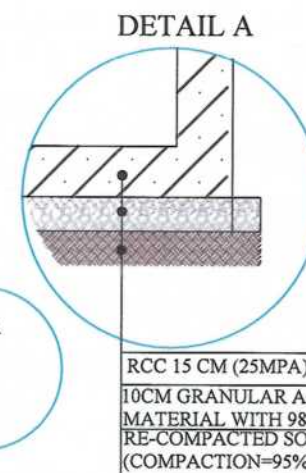
01



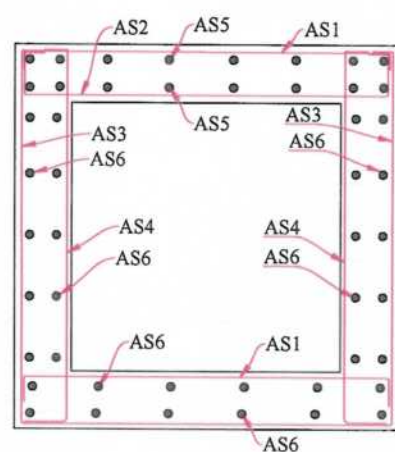
DET: LRDT(a) SCALE: NTS



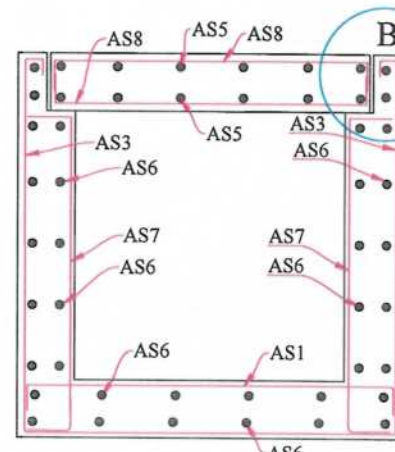
DET: LRDT(a) SCALE: NTS



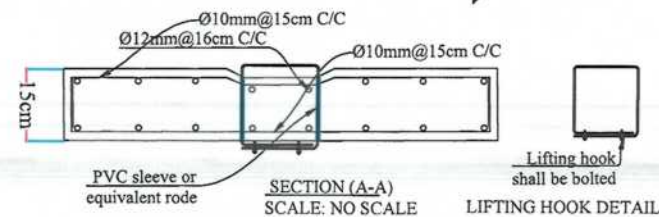
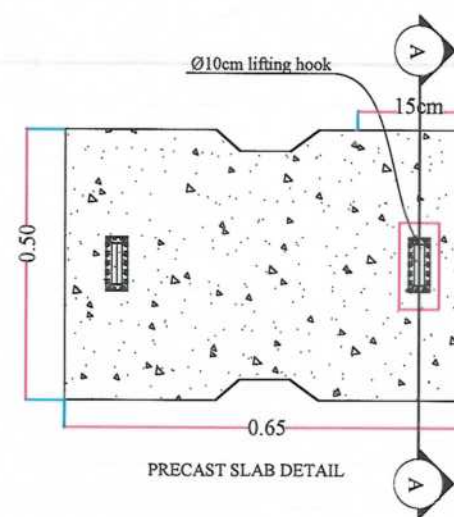
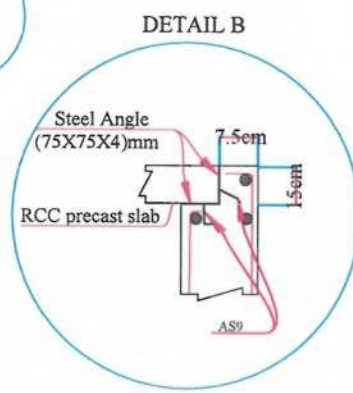
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



DET: LRDT(a) SCALE: NTS



DET: LRDT(a) SCALE: NTS



SCALE: NO SCALE

| DITCH (80X100)CM REINFORCEMENT SCHEDULE | | | | | |
|---|-----------|--------|--------------|--|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 160 | | |
| As2 | | 12 | 160 | | |
| As3 | | 12 | 160 | | |
| As4 | | 12 | 160 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 160 | | |
| As8 | | 12 | 160 | | |
| As9 | | 8 | 200 | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:
LINK ROAD'S DRAIN TYPICAL CROSS SECTION TYPE (a)

Drawn:
Nooryalai Naseri

Signature:

Designed:
Abdul Shakoor Mammadov

Signature:

Checked:
Hasibullah Shalizi

Signature:

Date:
07/23/2023

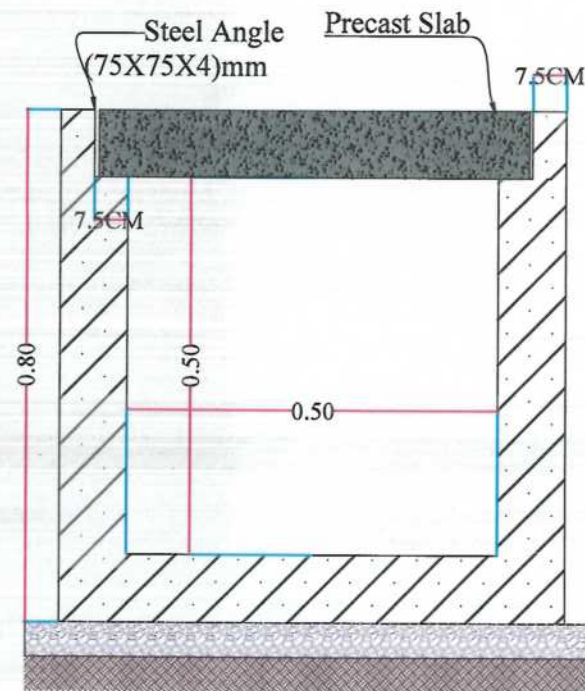
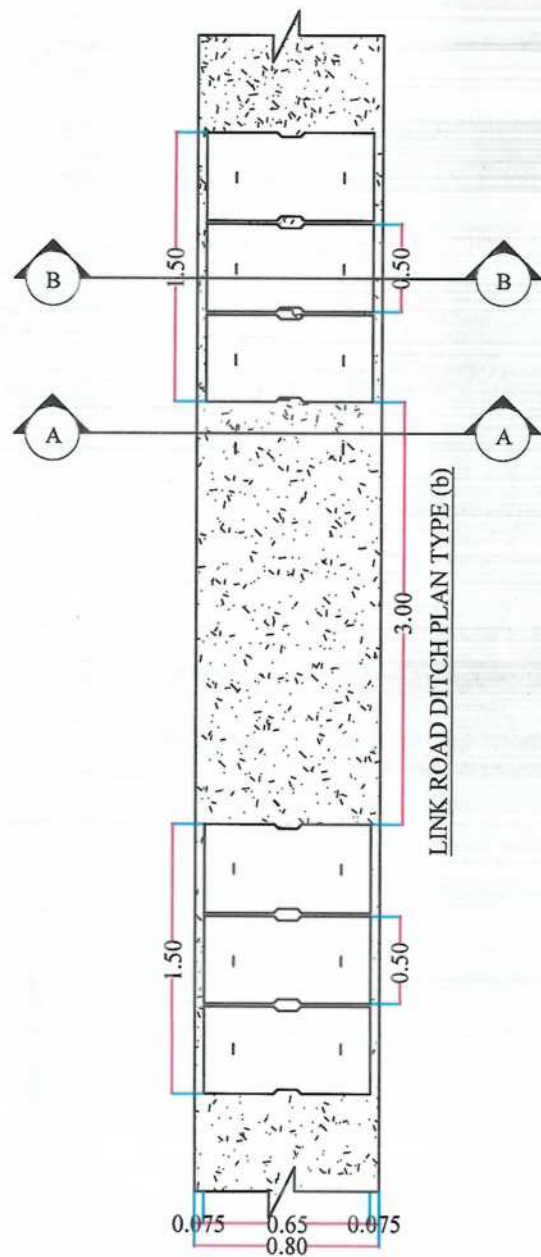
Scale:

Status:
FINEL DESIGN

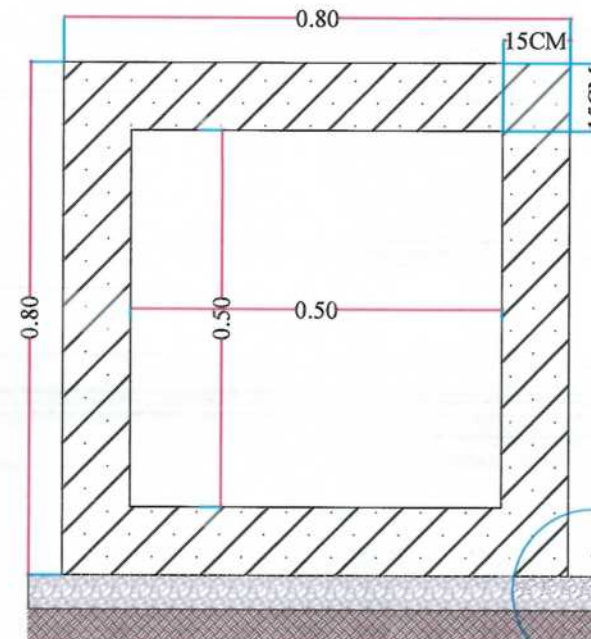
Project Code:

SHEET NO:
LRD(1)

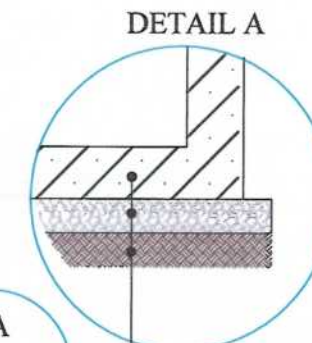
Revision:
01



DET: LRDT(b) DETAIL SECTION (B-B)
SCALE: NTS

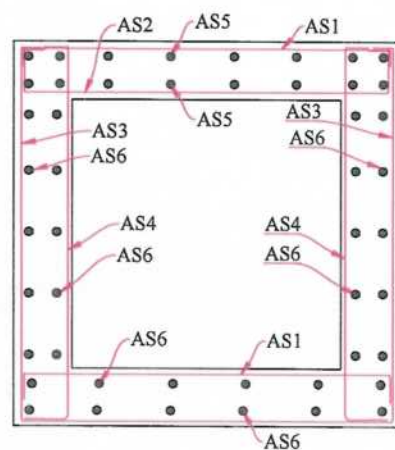


DET: LRDT(b) DETAIL SECTION (A-A)
SCALE: NTS

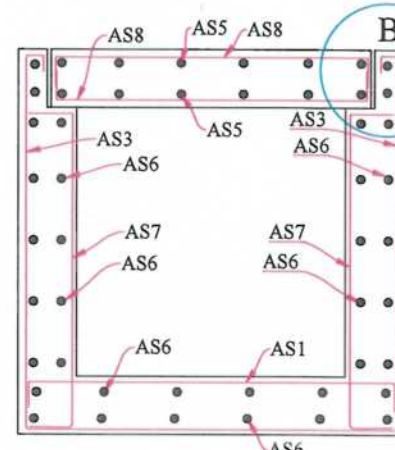


DETAIL A

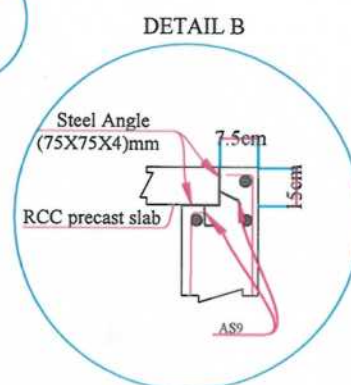
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTION SOIL
(COMPACTION=95%)



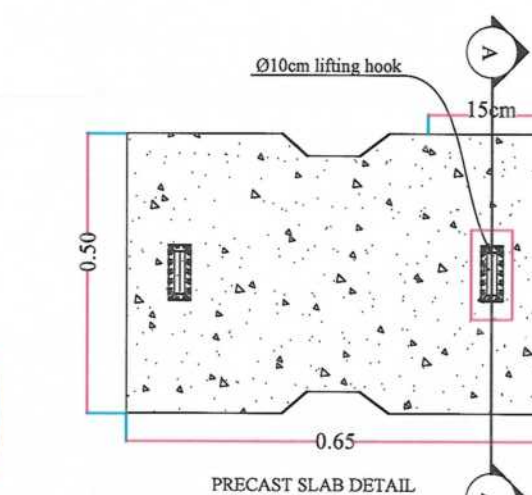
DET: LRDT(b) DETAIL OF REINFORCING SECTION (A-A)
SCALE: NTS



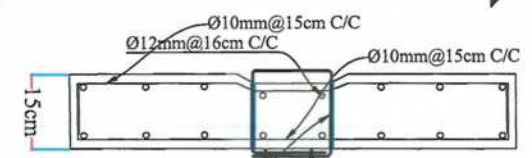
DET: LRDT(b) DETAIL OF REINFORCING SECTION (B-B)
SCALE: NTS



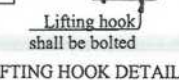
DETAIL B



PRECAST SLAB DETAIL



SECTION (A-A)
SCALE: NO SCALE



| DITCH (80X80)CM REINFORCEMENT SCHEDULE | | | | |
|--|-----------|--------|--------------|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | Remark |
| As1 | | 12 | 160 | |
| As2 | | 12 | 160 | |
| As3 | | 12 | 160 | |
| As4 | | 12 | 160 | |
| As5 | | 10 | 150 | |
| As6 | | 10 | 150 | |
| As7 | | 12 | 160 | |
| As8 | | 12 | 160 | |
| As9 | | 8 | 200 | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIK KHANEH MINA ROAD

Drawing Title:
LINK ROAD'S DRAIN TYPICAL CROSS SECTION TYPE(b)

Drawn:
Noorjalei Naseri

Signature:

Designed:
Abdul Shakoor Manasir

Signature:

Checked:
Hassanullah Shalizi

Signature:

Date:
07/23/2023

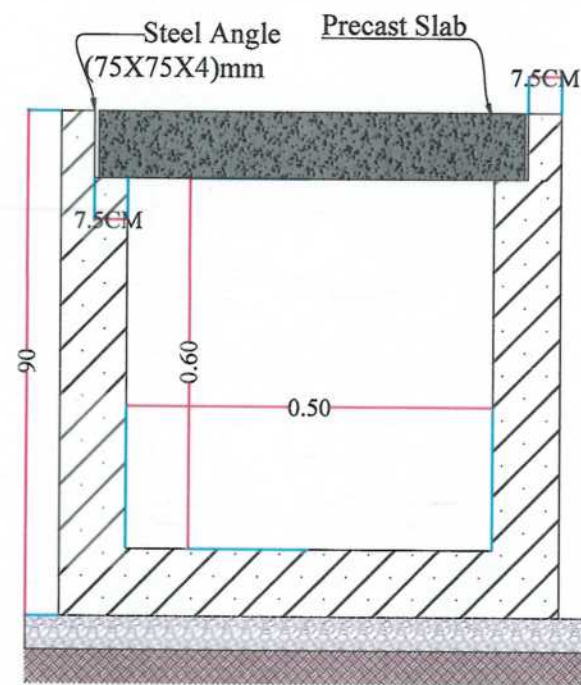
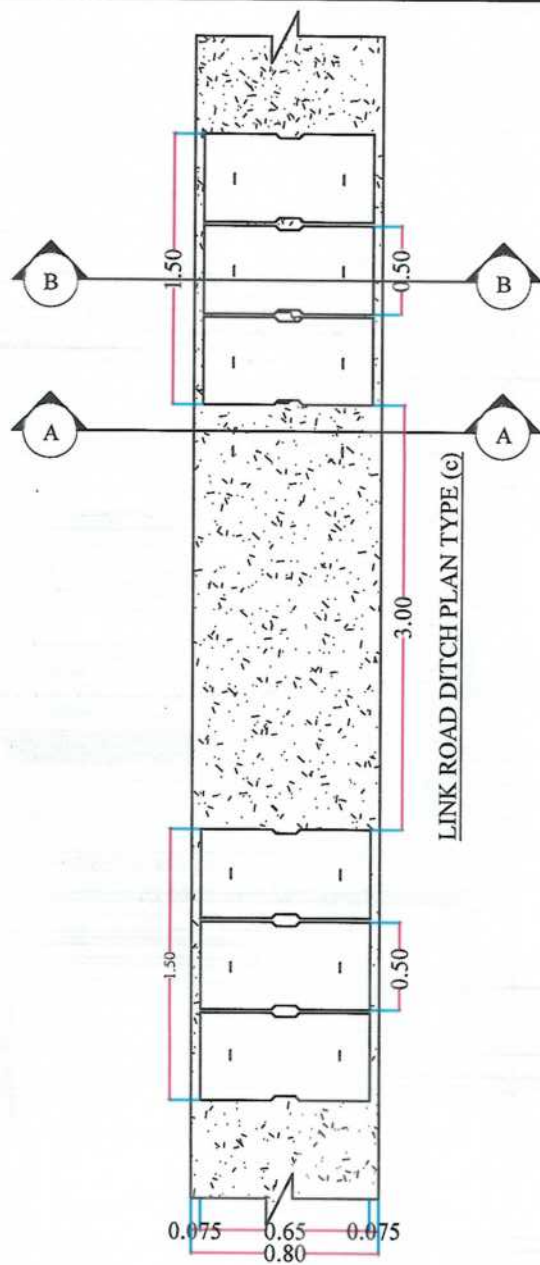
Scale:

Status:
FINEL DESIGN

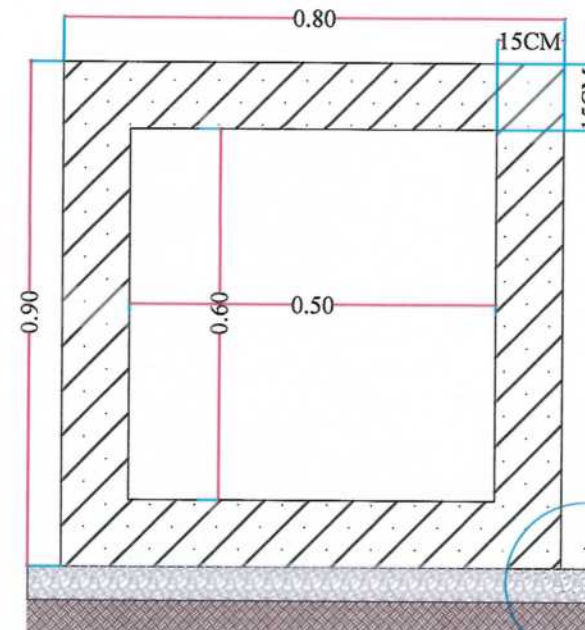
Project Code

SHEET NO:
LRD(2)

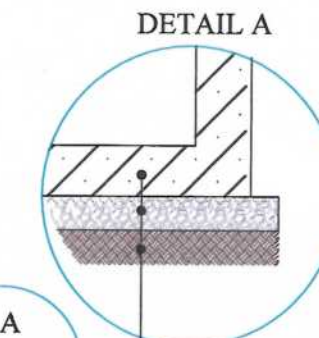
Revision:
01



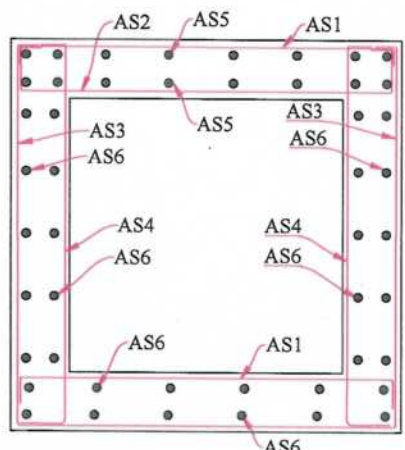
DET: LRDT(c) DETAIL SECTION(B-B)
SCALE: NTS



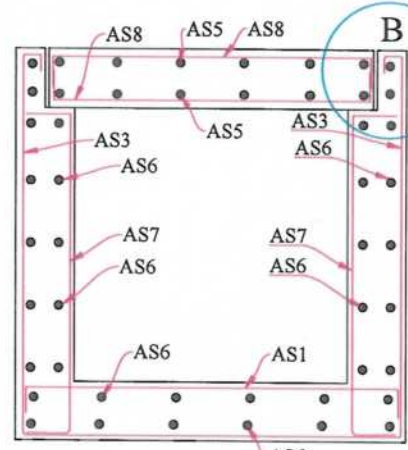
DET: LRDT(c) DETAIL SECTION(A-A)
SCALE: NTS



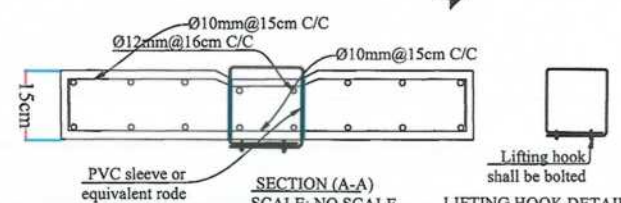
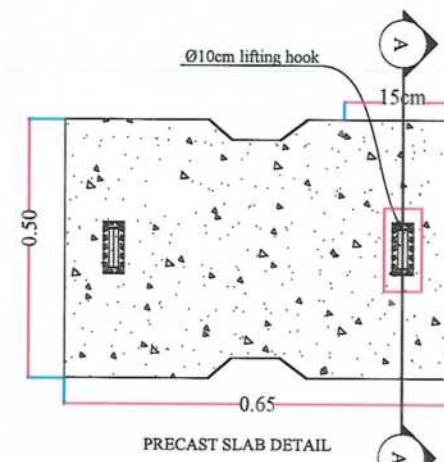
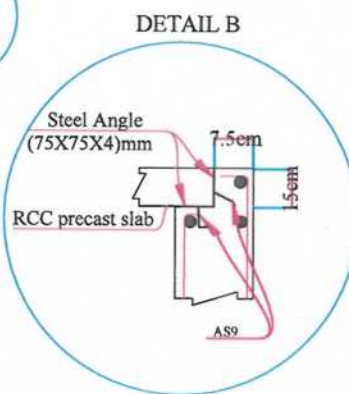
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



DET: LRDT(c) DETAIL OF REINFORCING SECTION(A-A)
SCALE: NTS



DET: LRDT(c) DETAIL OF REINFORCING SECTION (B-B)
SCALE: NTS



| DITCH (80X90)CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 160 | | |
| As2 | | 12 | 160 | | |
| As3 | | 12 | 160 | | |
| As4 | | 12 | 160 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 160 | | |
| As8 | | 12 | 160 | | |
| As9 | | 8 | 200 | | |

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

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:
LINK ROAD'S DRAIN TYPICAL CROSS SECTION TYPE(c)

Drawn:
Nooriyal Naseri

Designed:
Abdul Shakoor Mansour

Checked:
Hasibullah Shalizi

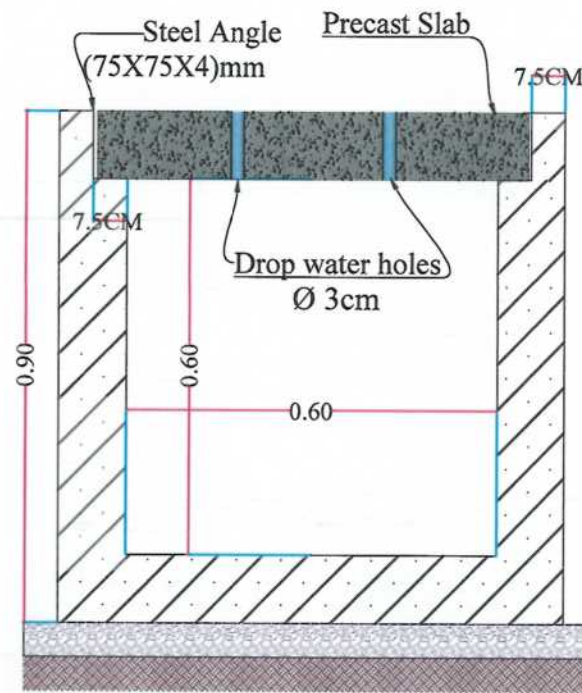
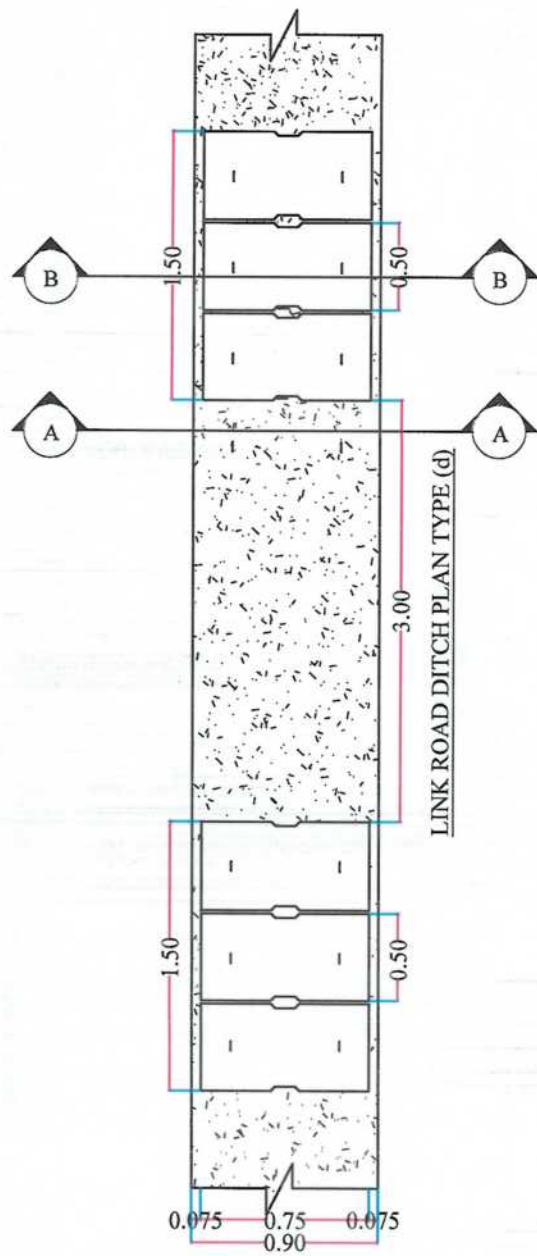
Date:
07/23/2023

Status:
FINEL DESIGN

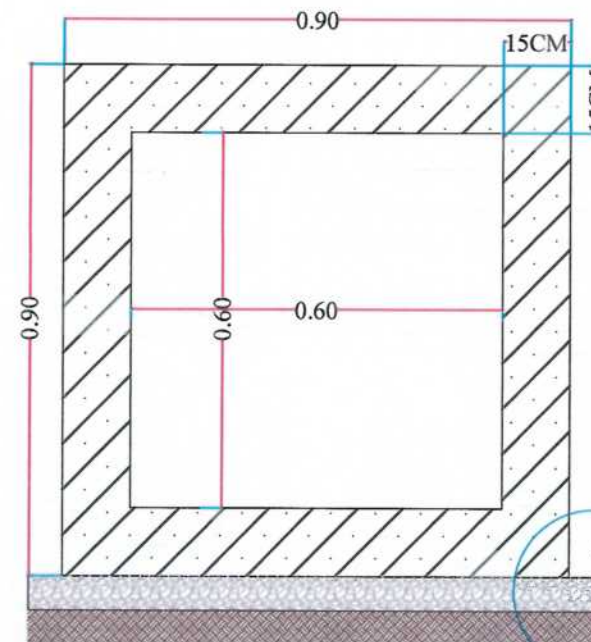
Project Code:

SHEET NO.
LRD(3)

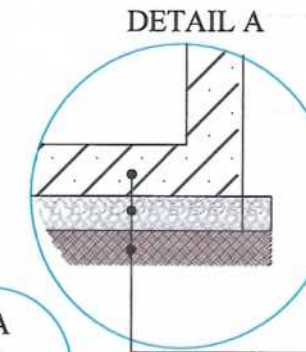
Revision:
01



DET: LRDT(d) DETAIL SECTION(B-B) SCALE: NTS

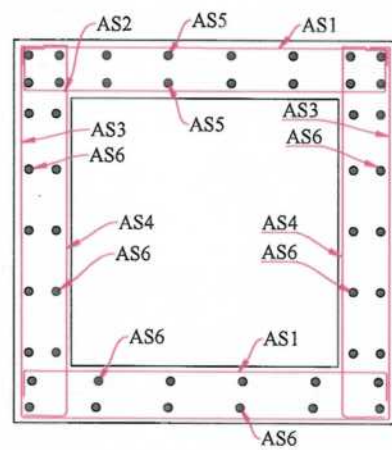


DET: LRDT(d) DETAIL SECTION(A-A) SCALE: NTS

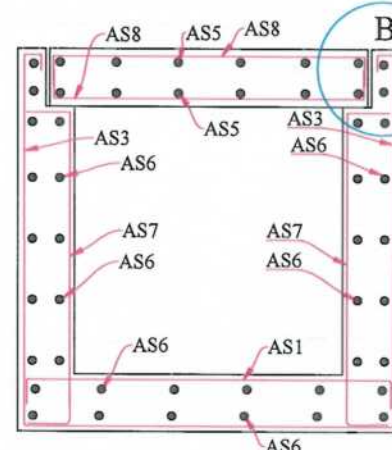


DETAIL A

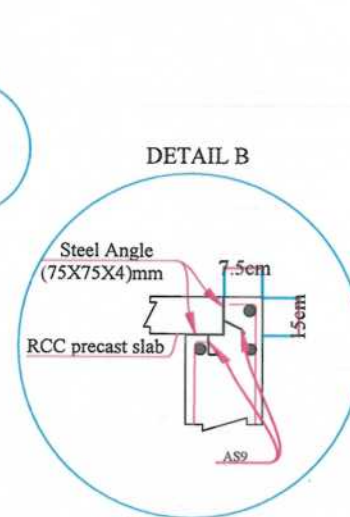
RCC 15 CM (25MPA)
10CM GRANULAR AGGREGATE SUB BASE
MATERIAL WITH 98% COMPACTION
RE-COMPACTED SOIL
(COMPACTION=95%)



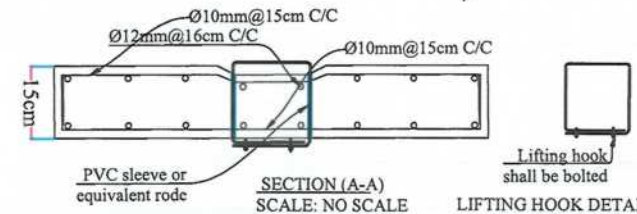
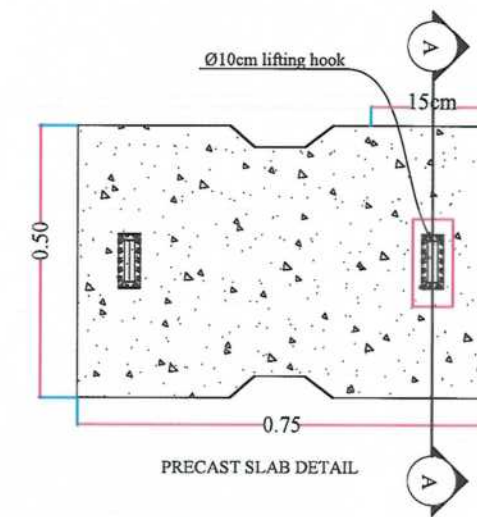
DET: LRDT(d) DETAIL OF REINFORCING SECTION(A-A) SCALE: NTS



DET: LRDT(d) DETAIL OF REINFORCING SECTION (B-B) SCALE: NTS



DETAIL B



| DITCH (90X90)CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar.No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 160 | | |
| As2 | | 12 | 160 | | |
| As3 | | 12 | 160 | | |
| As4 | | 12 | 160 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 160 | | |
| As8 | | 12 | 160 | | |
| As9 | | 8 | 200 | | |

NOTE:

1. All dimensions are in meters unless otherwise indicated.

ISLAMIC EMIRATE OF AFGHANISTAN

DESIGNED BY:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:

LINK ROAD'S DRAIN TYPICAL CROSS SECTION TYPE(d)

Drawn: Nooryalai Nasari

Designed: Abdul Shakoor Mansour

Checked: Habibullah Shalizi

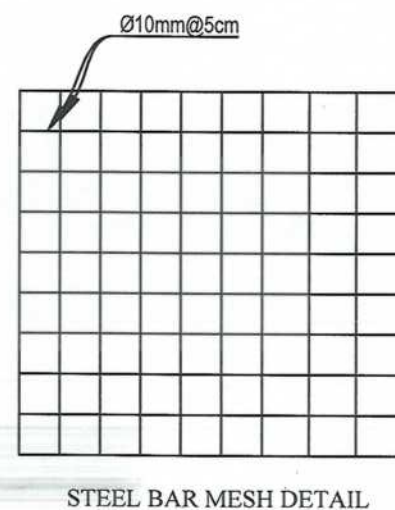
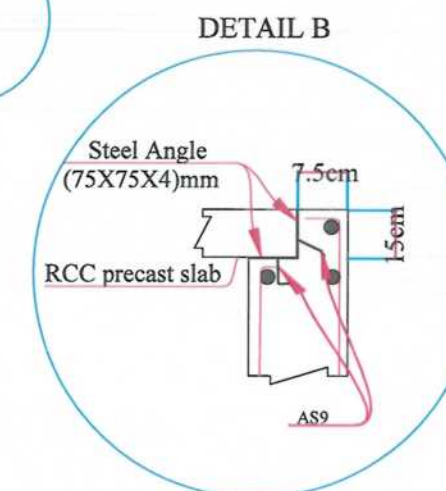
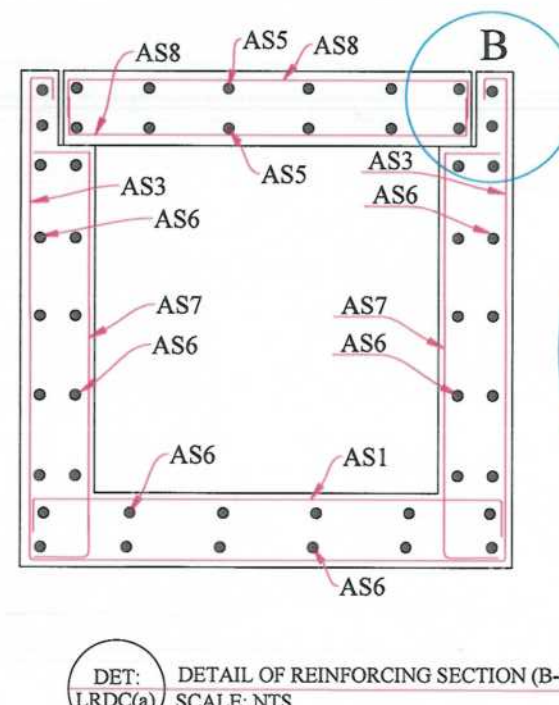
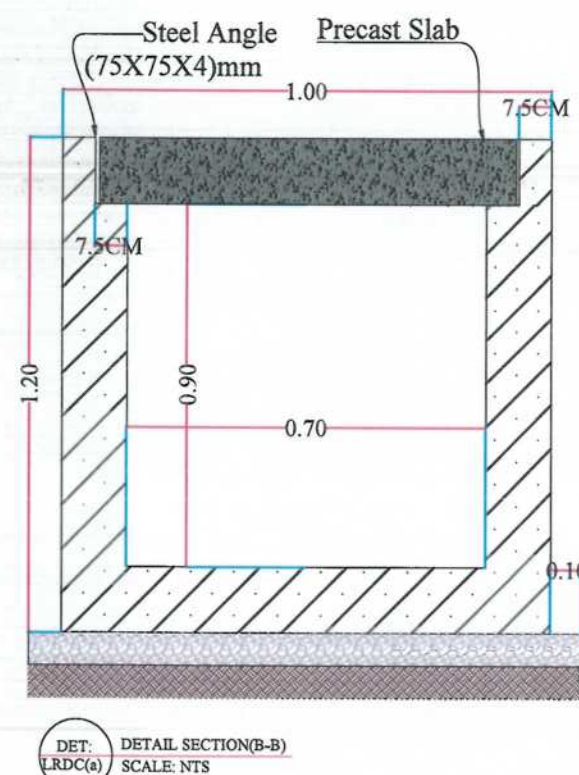
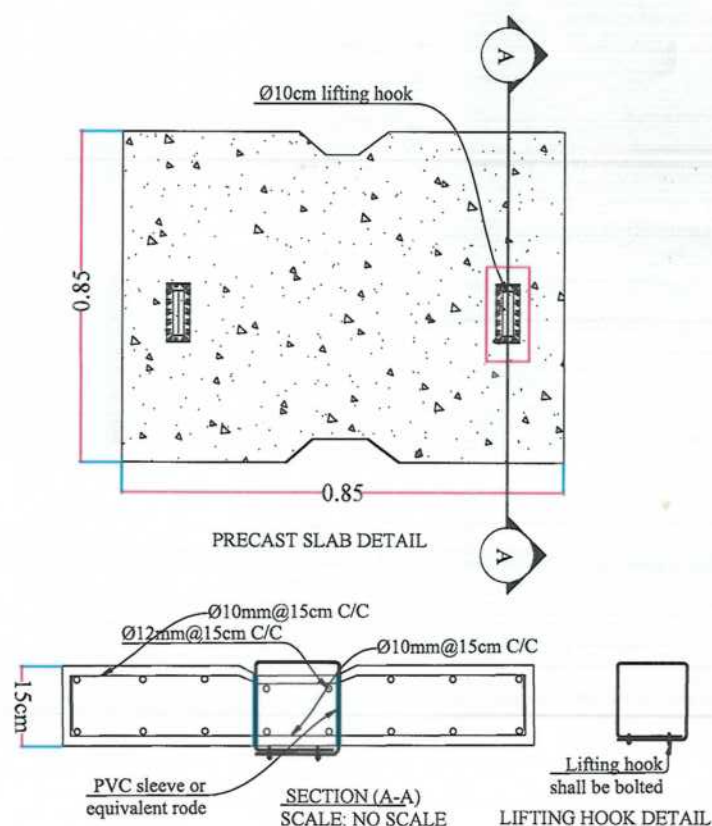
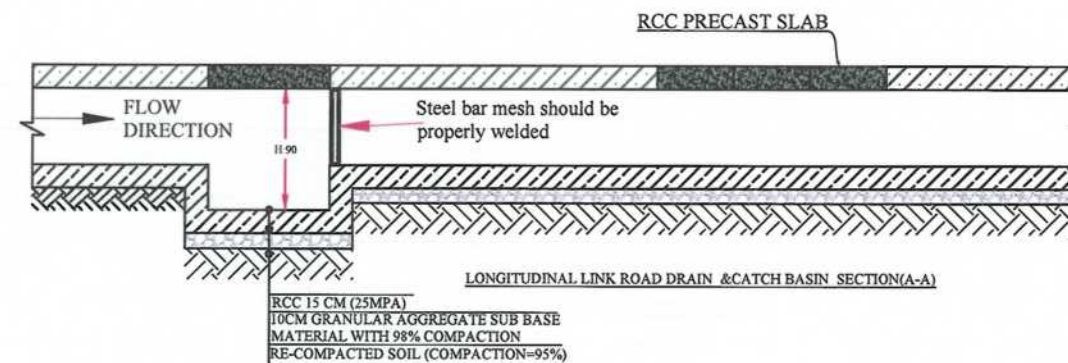
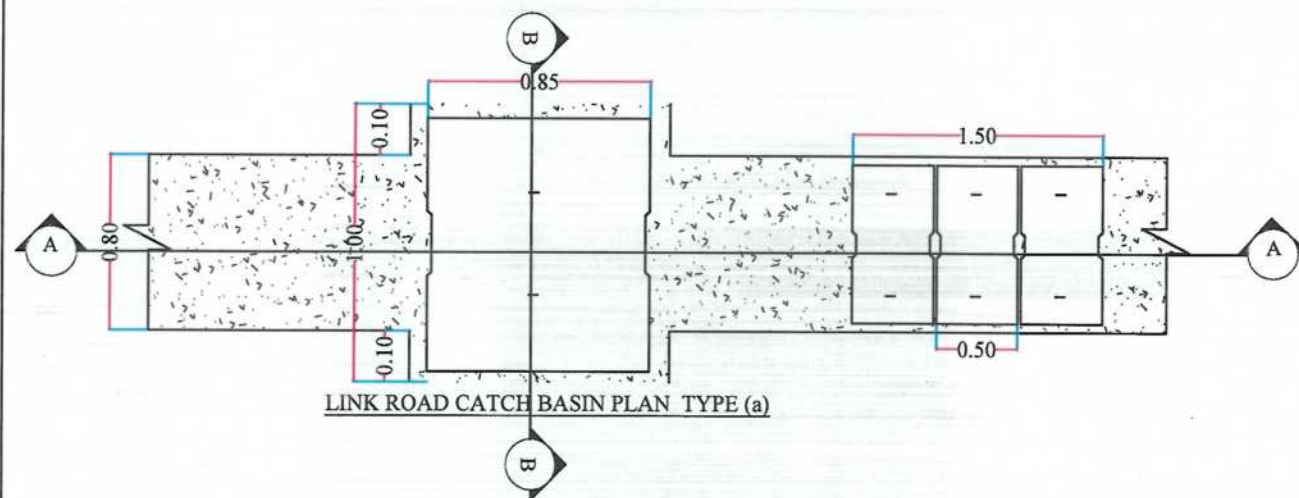
Date: 07/23/2023

Status: FINAL DESIGN

Project Code:

SHEET NO. LRDT(4)

Revision: 01



| CATCH BASIN (100X120)CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 150 | | |
| As2 | | 12 | 150 | | |
| As3 | | 12 | 150 | | |
| As4 | | 12 | 150 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 150 | | |
| As8 | | 12 | 150 | | |
| As9 | | 8 | 200 | | |

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



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:

CATCH BASIN DETAIL
TYPE (a)

Drawn:

Nooryalai Naseri

Signature:

Designed:

Abdul Shakoor Mansour

Signature:

Checked:

Hasibullah Shalizi

Signature:

Date:

07/23/2023

Scale:

Status:

FINEL DESIGN

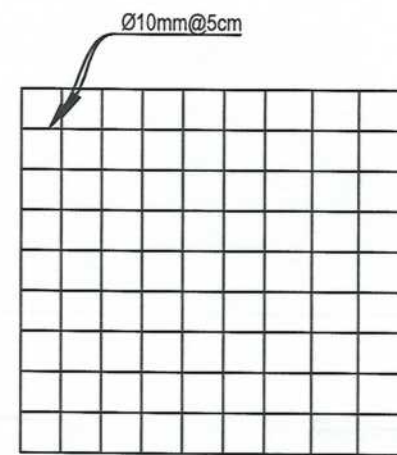
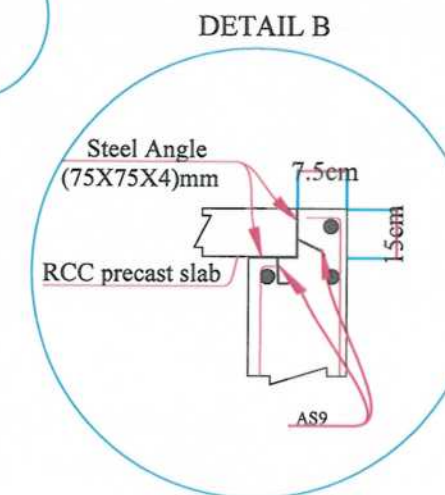
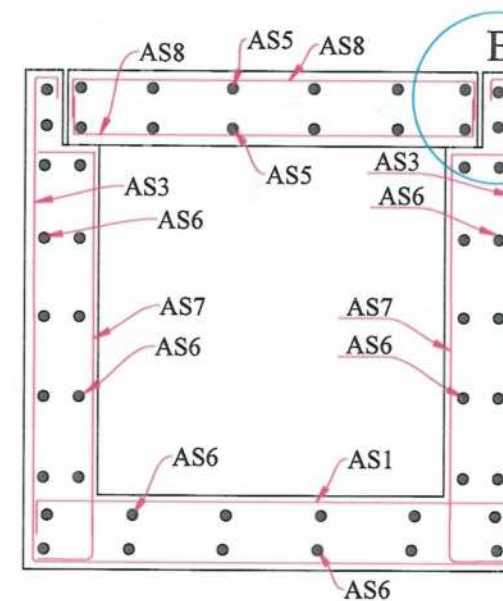
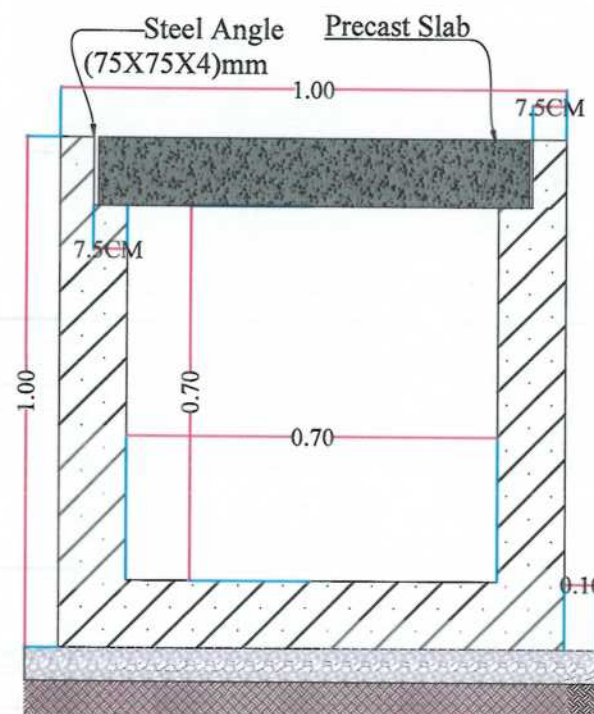
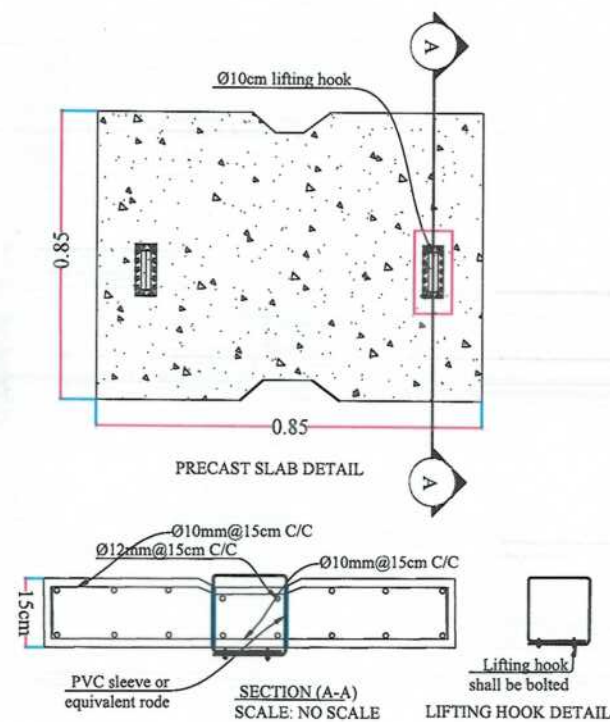
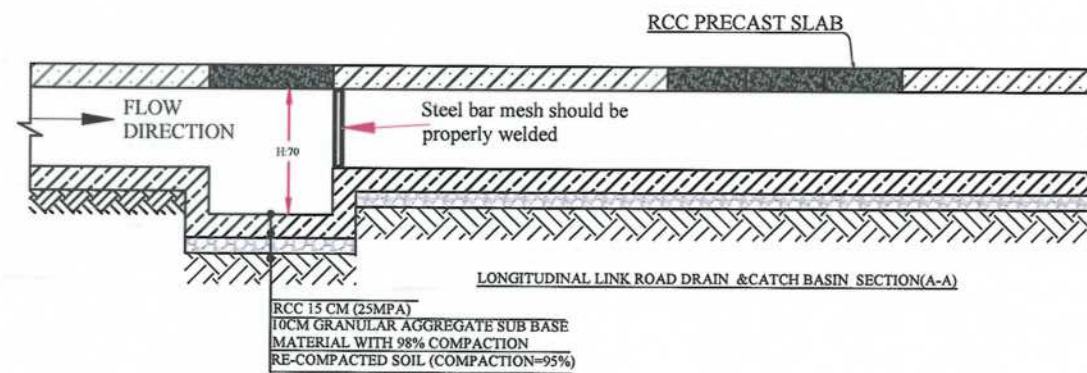
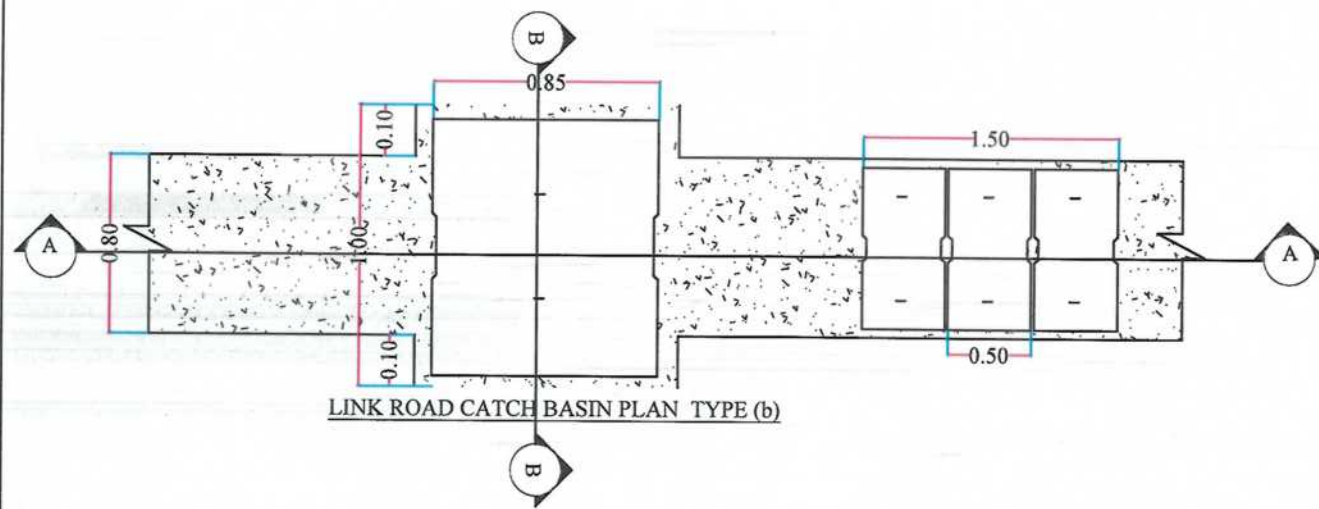
Project Code

SHEET NO.

CBD(1)

Revision

01



| CATCH BASIN (100X100)CM REINFORCEMENT SCHEDULE | | | | |
|--|-----------|--------|--------------|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | Remark |
| As1 | | 12 | 150 | |
| As2 | | 12 | 150 | |
| As3 | | 12 | 150 | |
| As4 | | 12 | 150 | |
| As5 | | 10 | 150 | |
| As6 | | 10 | 150 | |
| As7 | | 12 | 150 | |
| As8 | | 12 | 150 | |
| As9 | | 8 | 200 | |

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



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:
CATCH BASIN DETAIL TYPE (b)

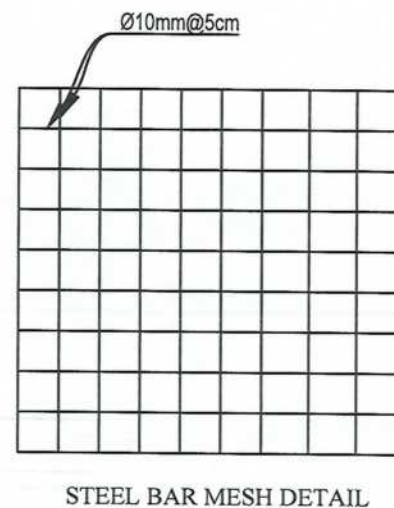
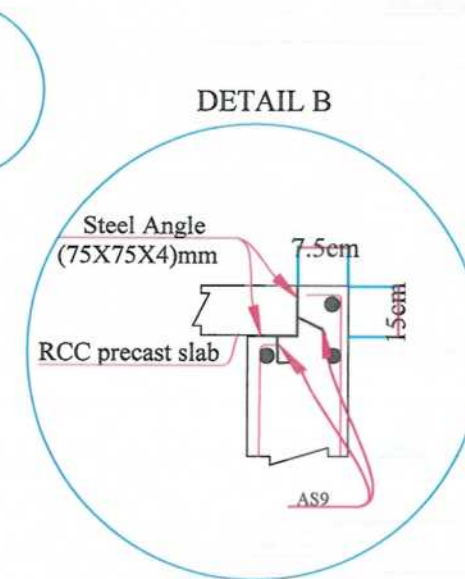
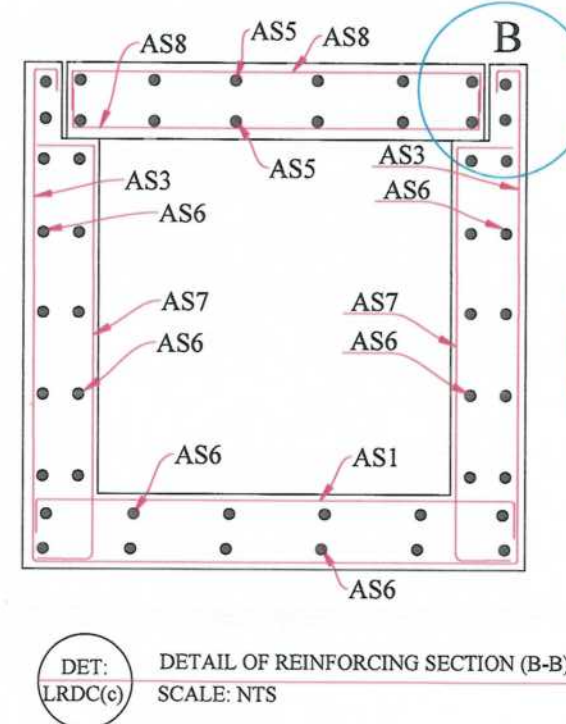
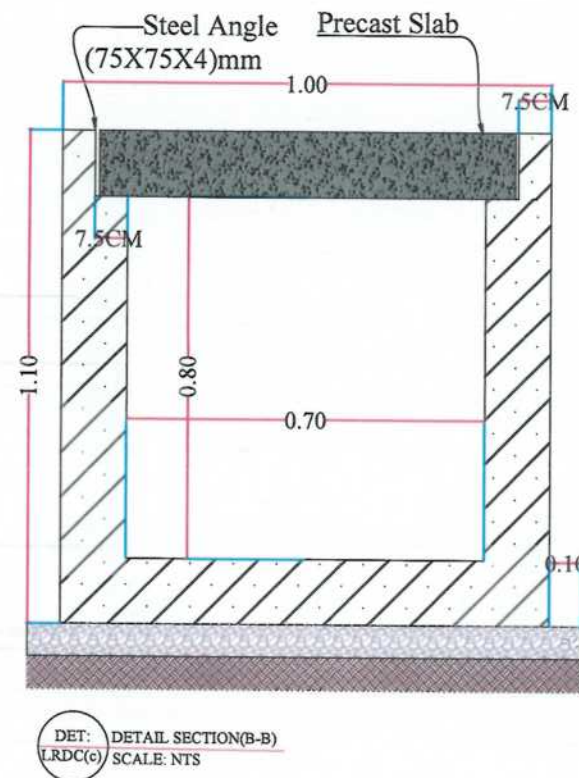
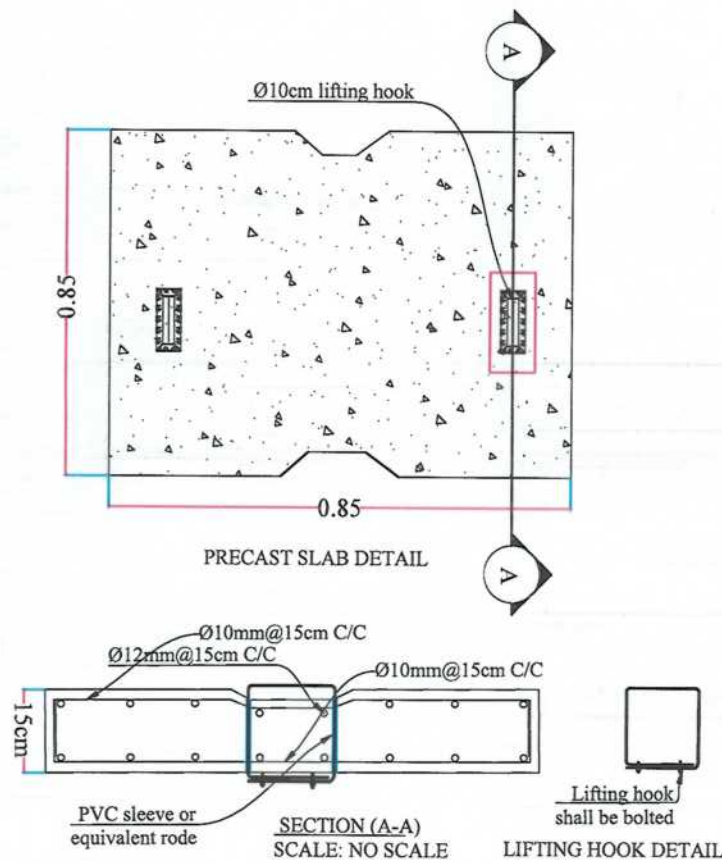
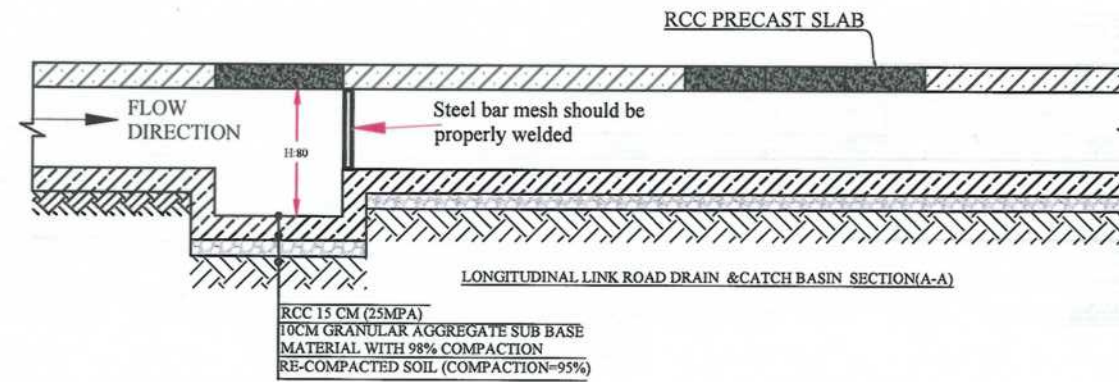
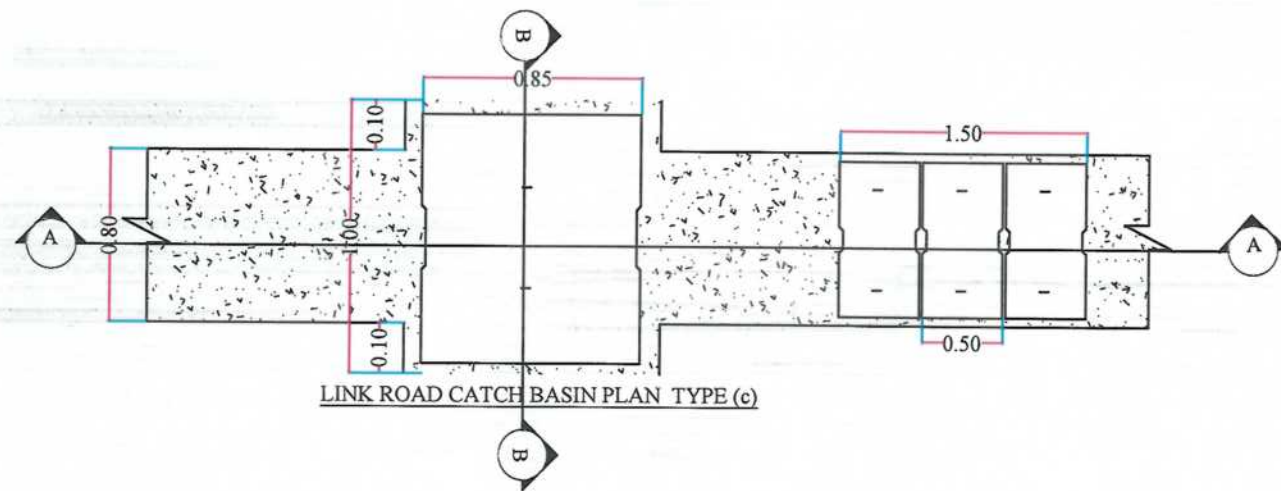
Drawn: Nooryalai Naseri
Designed: Abdul Shakoor Mansoor
Checked: Hasibullah Shalizi

Date: 07/23/2023 Scale:

Status: FINAL DESIGN

Project Code:

SHEET NO. CBD(2) Revision 01



| CATCH BASIN (100X110)CM REINFORCEMENT SCHEDULE | | | | |
|--|-----------|--------|--------------|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | Remark |
| As1 | | 12 | 150 | |
| As2 | | 12 | 150 | |
| As3 | | 12 | 150 | |
| As4 | | 12 | 150 | |
| As5 | | 10 | 150 | |
| As6 | | 10 | 150 | |
| As7 | | 12 | 150 | |
| As8 | | 12 | 150 | |
| As9 | | 8 | 200 | |

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



| Date | Revision | Details | Drawn | Chkd. | Appr. |
|------|----------|---------|-------|-------|-------|
| | | | | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:
CATCH BASIN DETAIL TYPE (c)

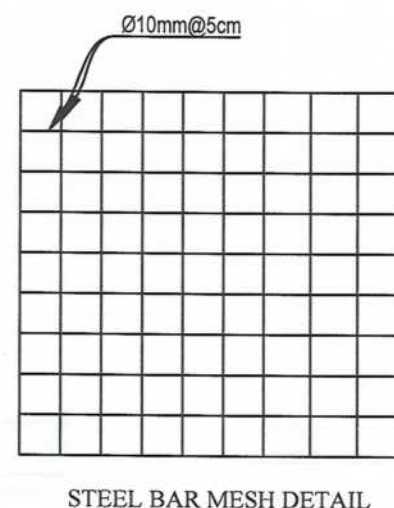
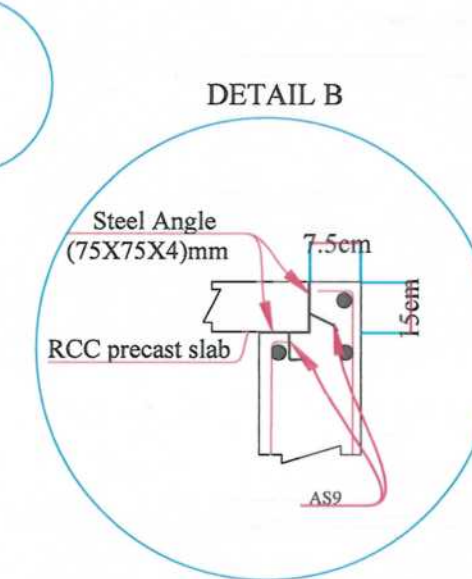
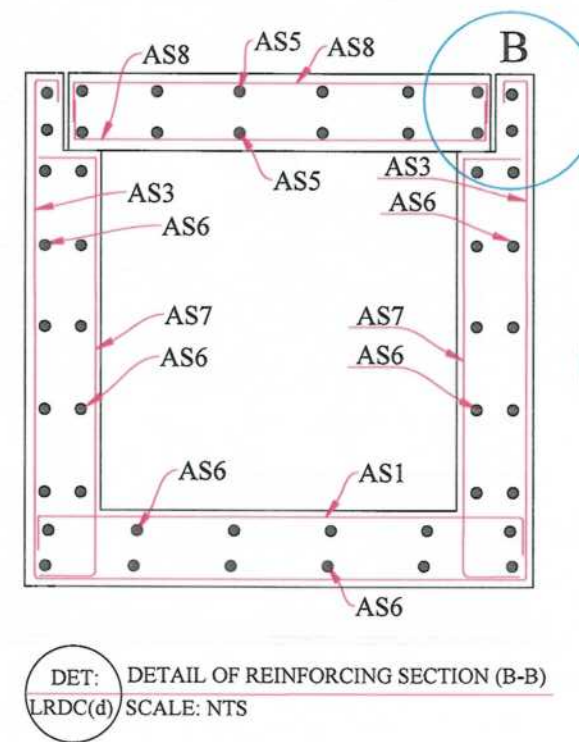
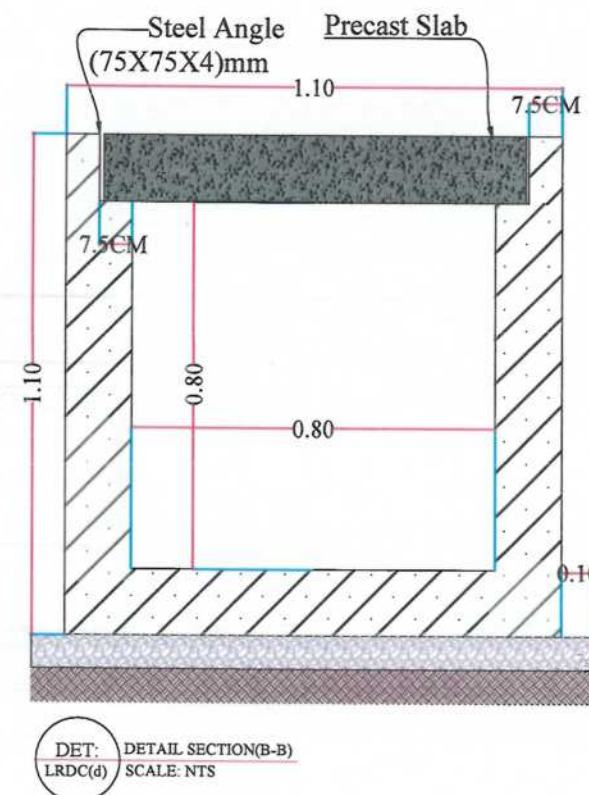
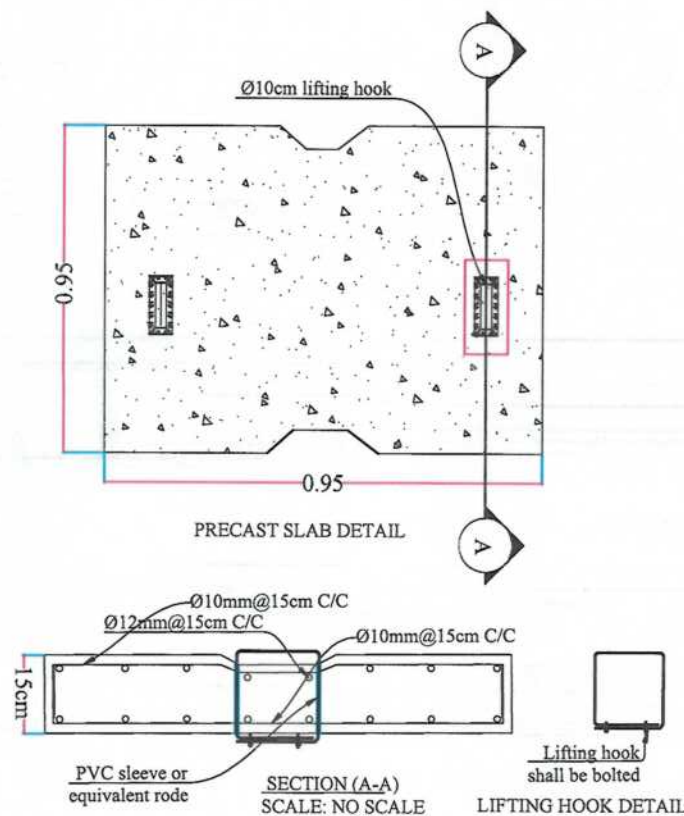
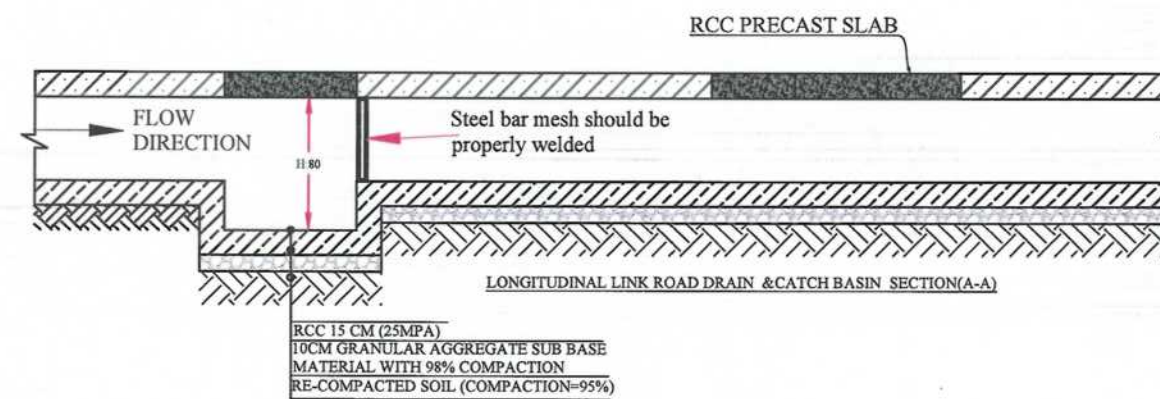
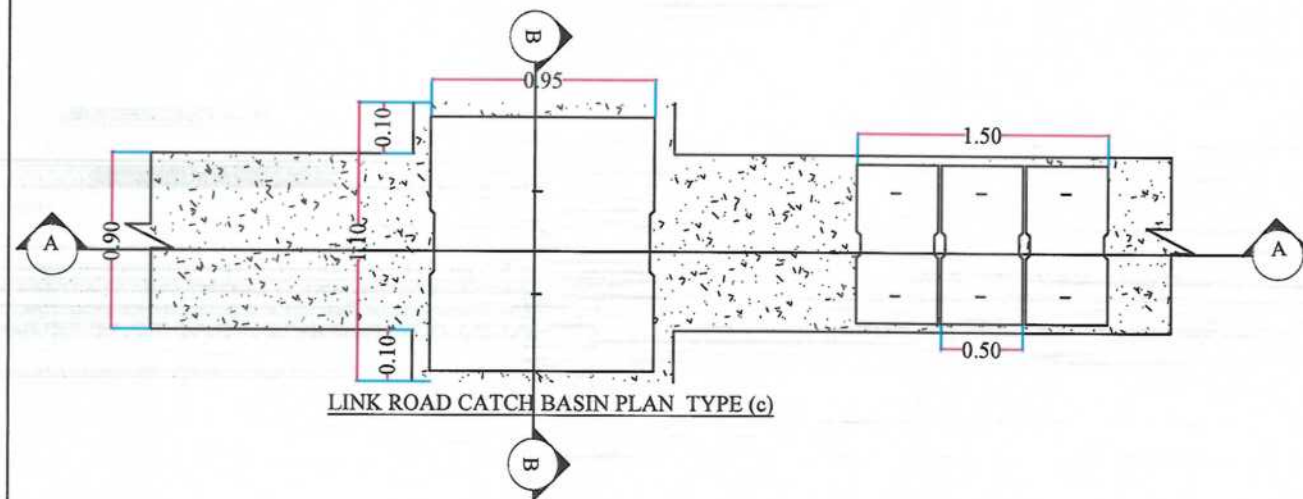
Drawn:
Noorjalei Nazeri
Designed:
Abdul Shakoor Manooch
Checked:
Hasibullah Shalizi

Date: 07/23/2023 Scale:

Status: FINAL DESIGN

Project Code

SHEET NO. CBD(3) Revision 01



| CATCH BASIN (110X110)CM REINFORCEMENT SCHEDULE | | | | | |
|--|-----------|--------|--------------|--|--------|
| Bar No | Bar Shape | Ø (mm) | Spacing (mm) | | Remark |
| As1 | | 12 | 150 | | |
| As2 | | 12 | 150 | | |
| As3 | | 12 | 150 | | |
| As4 | | 12 | 150 | | |
| As5 | | 10 | 150 | | |
| As6 | | 10 | 150 | | |
| As7 | | 12 | 150 | | |
| As8 | | 12 | 150 | | |
| As9 | | 8 | 200 | | |

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



| Date | Revision | Details | Drawn | Chkd. | Appr. |
|------|----------|---------|-------|-------|-------|
| | | | | | |

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:
 KABUL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT OF KOTEL KHAIR KHANEH MINA ROAD

Drawing Title:
CATCH BASIN DETAIL TYPE (d)

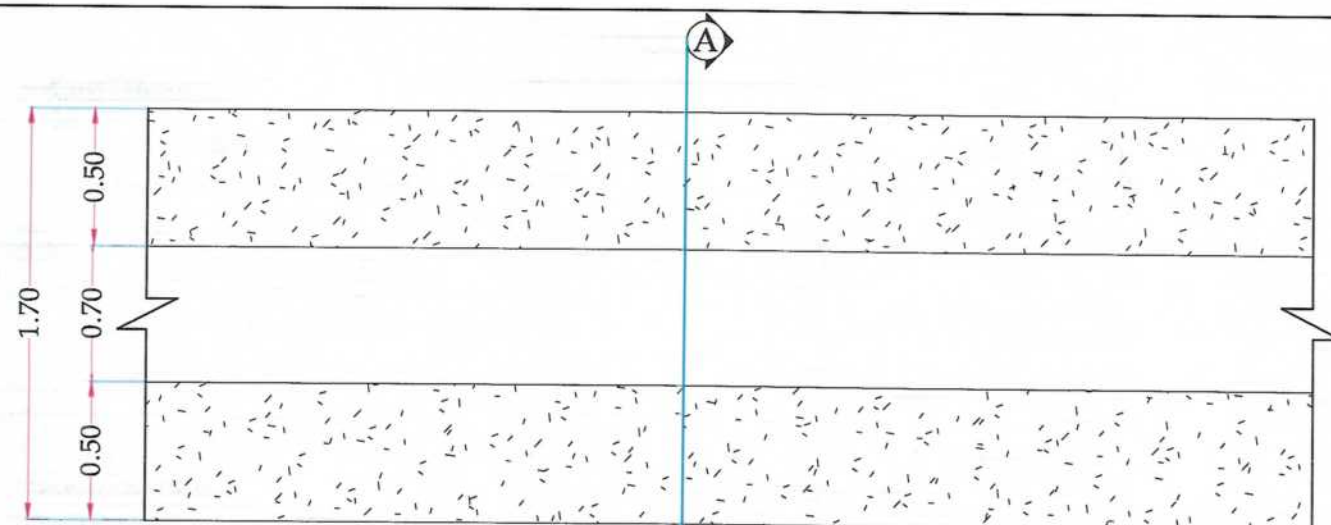
Drawn: Nooryalai Naseri
Designed: Abdul Shakoor Manasoor
Checked: Hanibullah Shalizi

Date: 07/23/2023 Scale:

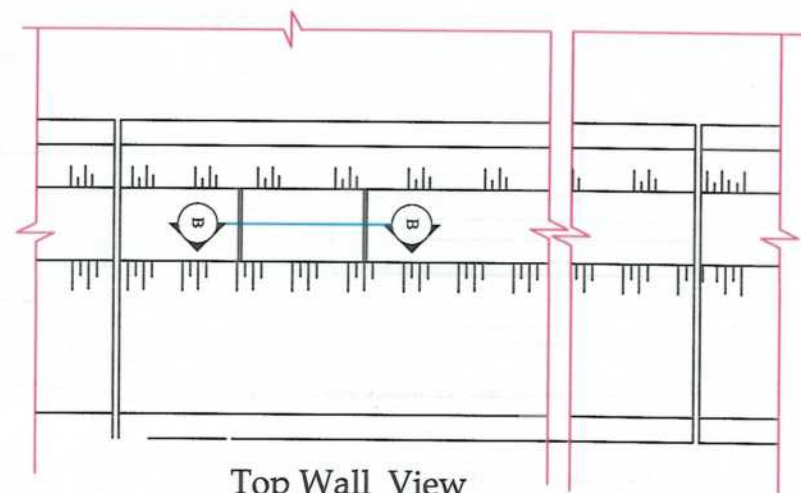
Status: FINEL DESIGN

Project Code

SHEET NO. CBD(4) Revision 01



STONE MASONRY PROPOSED SIDE DITCH PLAN



Top Wall View
Scale: No scale

PCC FINISHING LAYER

GRANULAR AGGREGATE
BASE COURSE MATERIALS

NATURAL SCARIFIED AND RE-COMPACTED
SUB GRADE



PAVEMENT DETAIL (C-C)

100MM WELL MIXED PLAIN CONCRETE
PCC LAYER (M.20MPA)

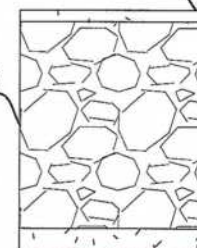
100MM THICKNESS WITH MIN OF
95% COMPACTION, MIN CBR 35%

SUB GRADE SHOULD HAVE MIN OF
95% COMPACTION

5CM PCC Copping (M1:4)

Stone Masonry
M 1:4

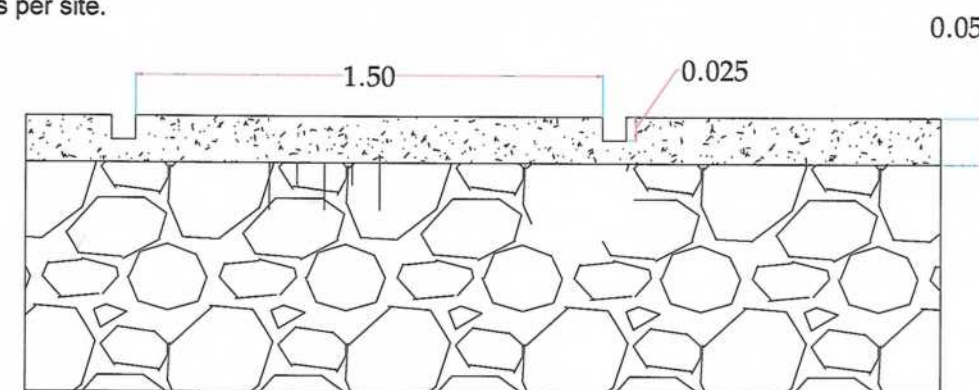
Pointing (1:3)



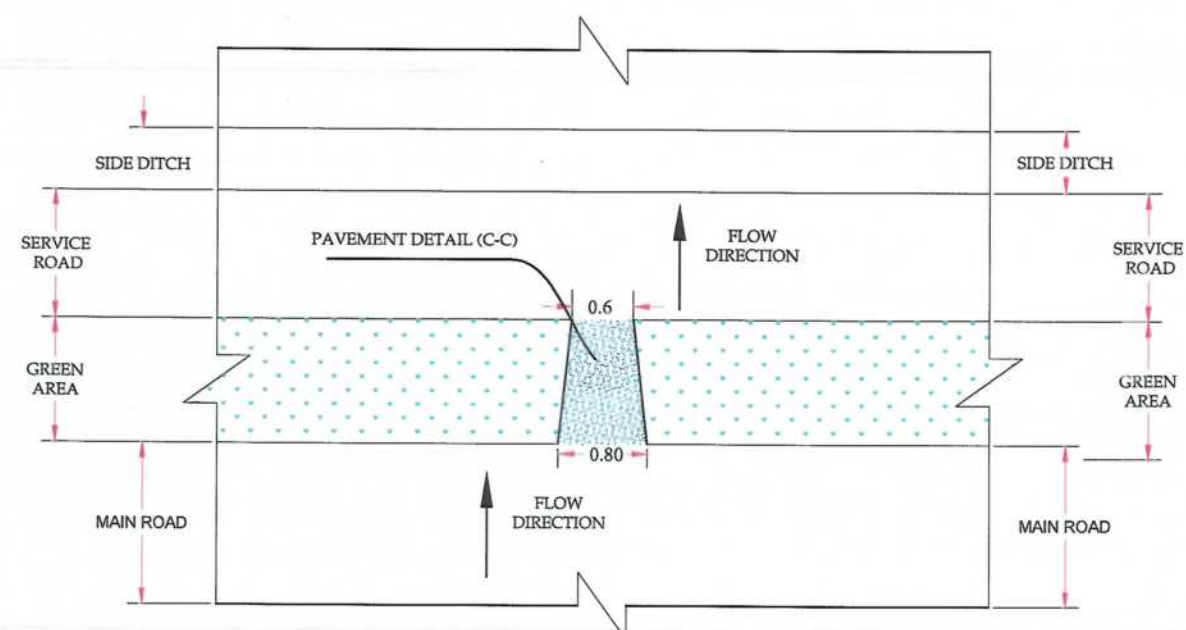
Proposed Stone Msonry Ditch
Section A-A
Scale: No scale

10cm concrete M(20mpa)
well compacted sub grad

NOTE: The stone masonry ditch should
be connected with both (proposed RCC
ditch and existing stone masonry ditch
properly as per site.



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



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

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

Islamic Emarate of
Afghanistan

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

Construction affairs of the second lot of Kotel Khair
Khanah Mina Road

Drawing Title:

Stone masonry proposed side ditch &
green area opening details

Drawn By:

Noorjalai Nasari

Designed By:

Abdul Shakoor Mansour

Checked By:

Hanibullah Shalizi

Reviewed By:

Signature:

Date:
07/23/2023

Status:

FINAL DESIGN

Project Code

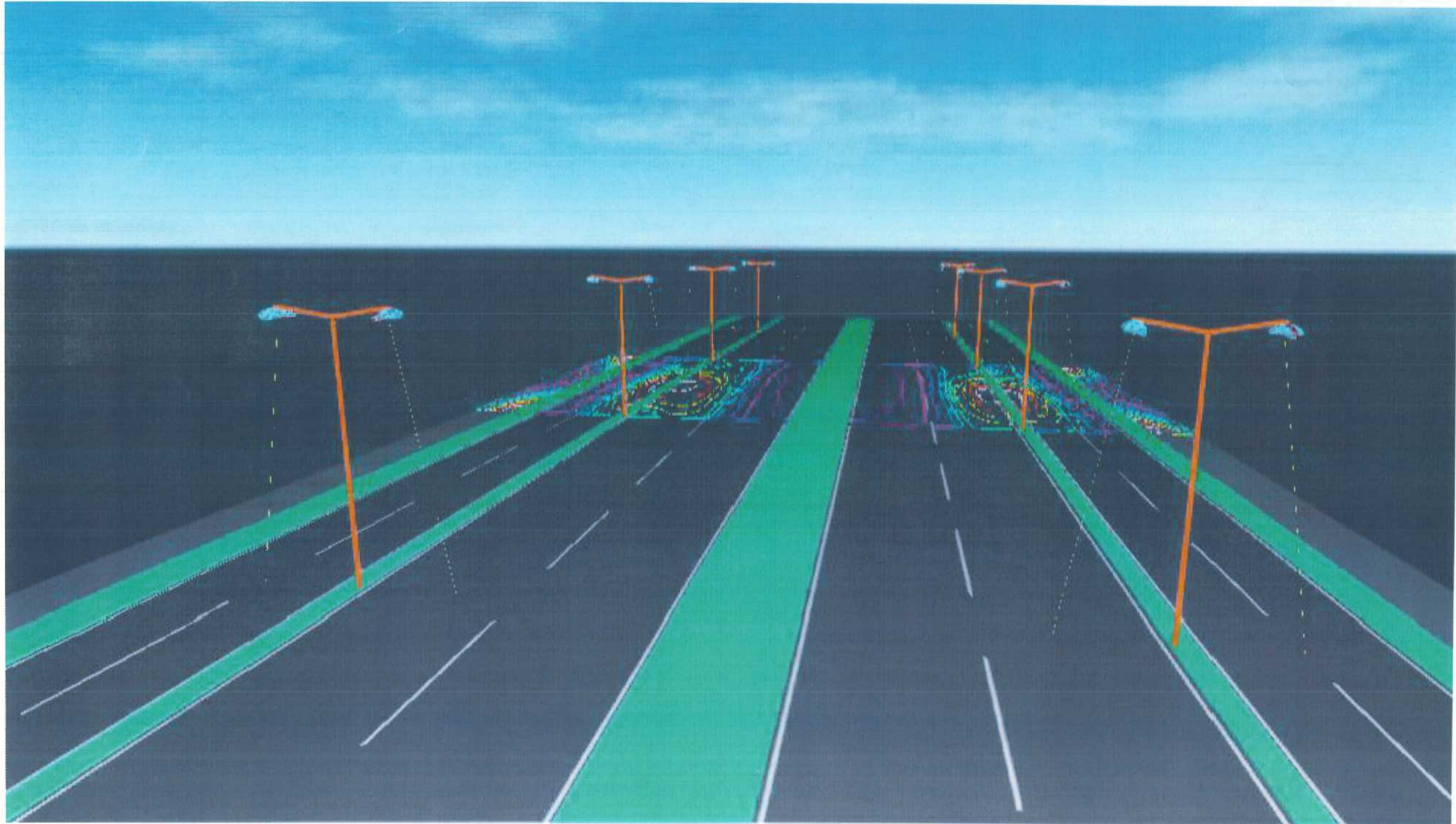
Drawing Number

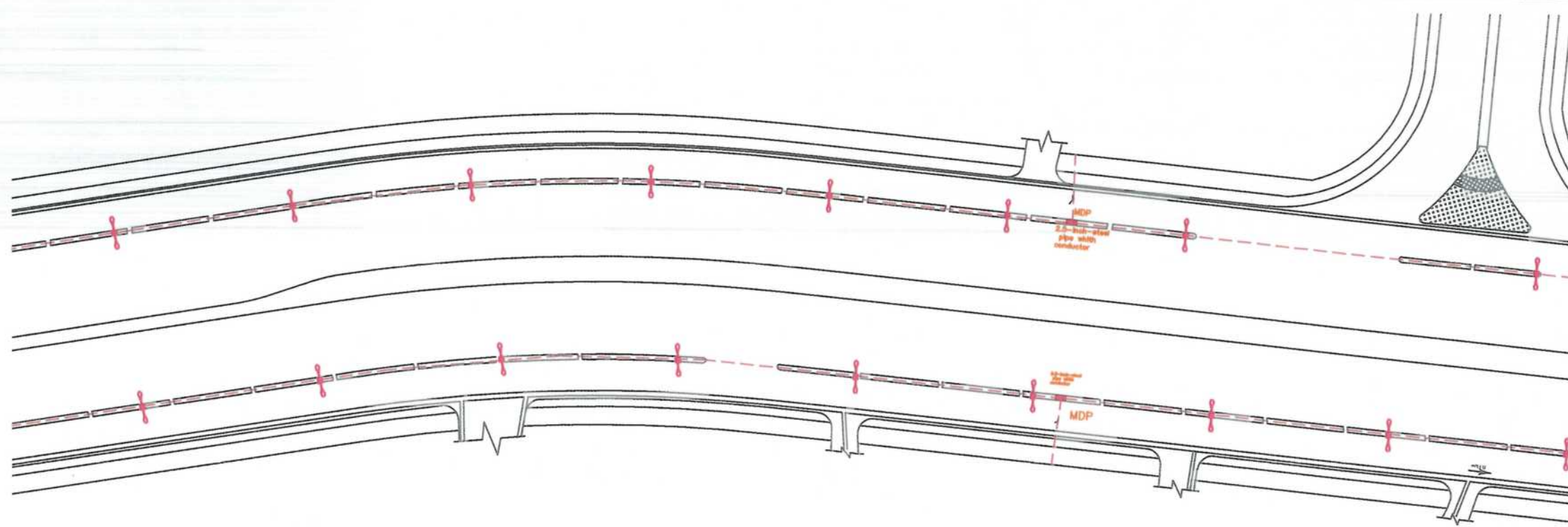
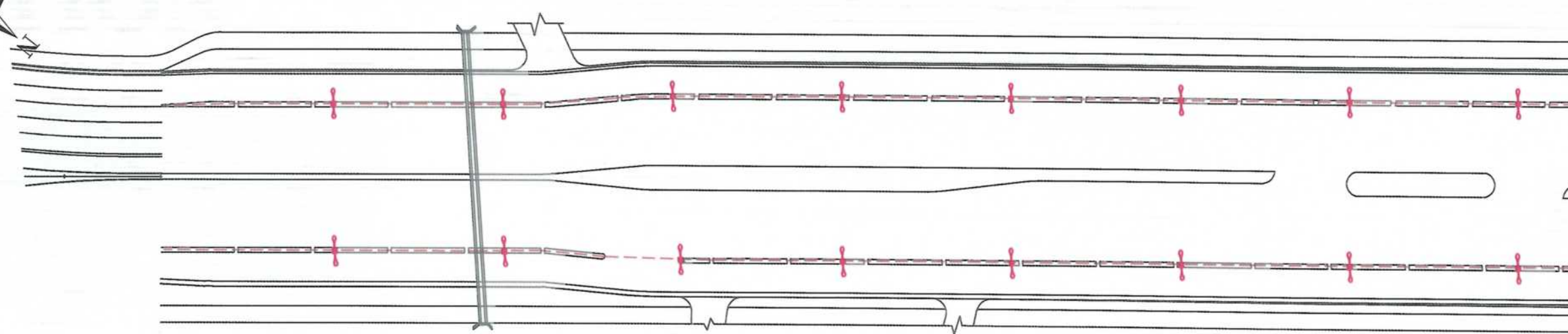
01

Revision

00

STREET LIGHTING SECTION





NOTE:

LEGENDS

Conduit & Conductor — — — — —

Duble pole street light

MDP

Rev. Date Revision Details Drawn Chkd. Appd.

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABL MUNICIPALITY DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

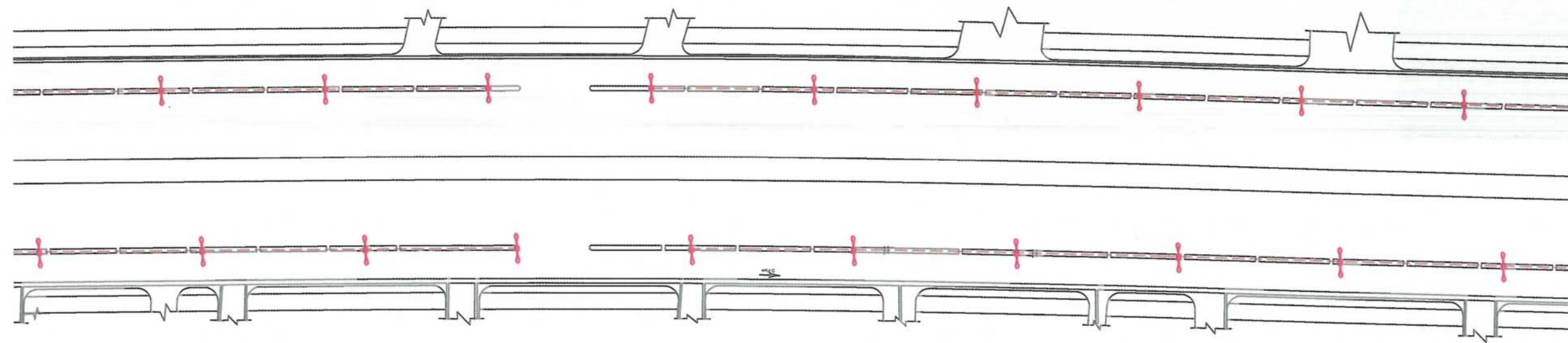
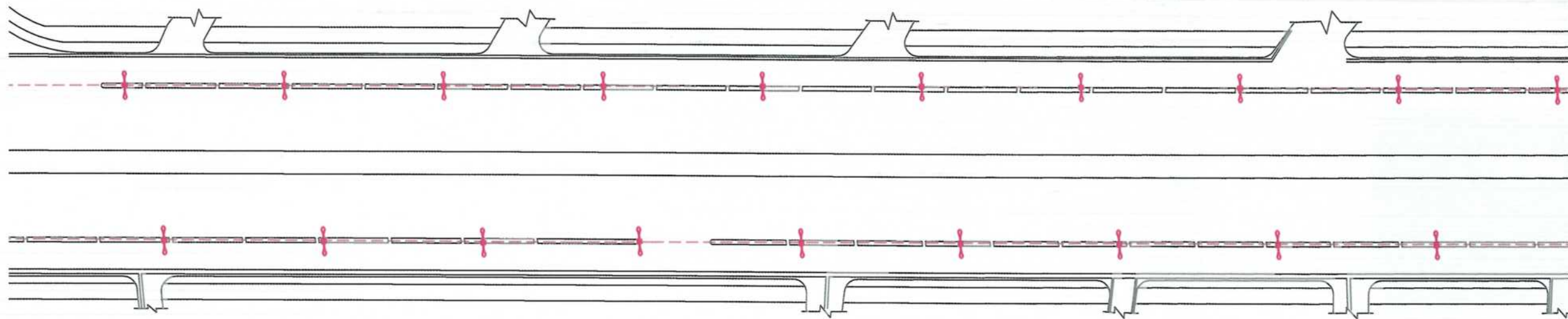
Drawing Title:
ELECTRICAL PLANE

| | |
|-----------------------------------|------------|
| Drawn by: Jamalullah Nazari | Signature: |
| Designed by: Jamalullah Nazari | Signature: |
| Checked: M.H Fasa strat | Signature: |
| Checked: Hosibullah Shalizi | Signature: |
| Approved by: | Signature: |

Date: 2023-08-06 Scale: HOR: 1:1000 A3

Status: FINAL DESIGN

| | |
|-----------------------|----------------|
| SHEET NO. EL-PP-01 | Revision 01 |
|-----------------------|----------------|



NOTE

1. All linking roads & linking ditches should be constructed and connected to the proposed ditches and roads as per site properly.
2. Provide a (0.6x0.8)m gap at each 15m distance in both median that is between the main road and service road for the run of, of carriageway surface water into the ditches.

LEGENDS

Conduit & Conductor

Double pole street light

MDP

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

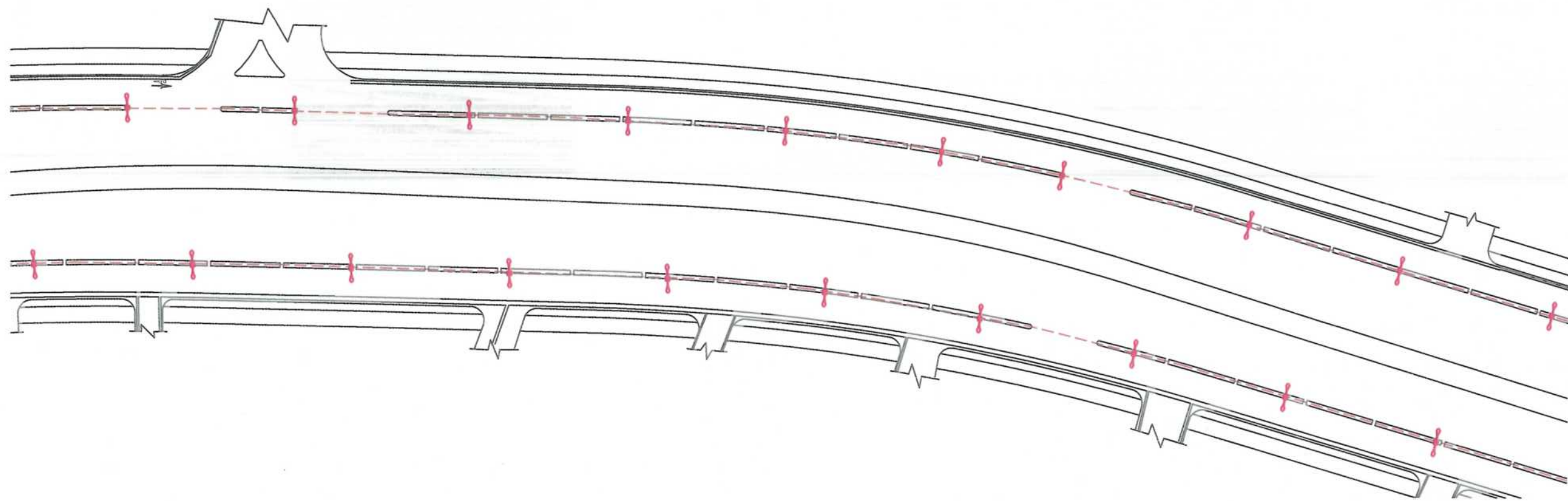
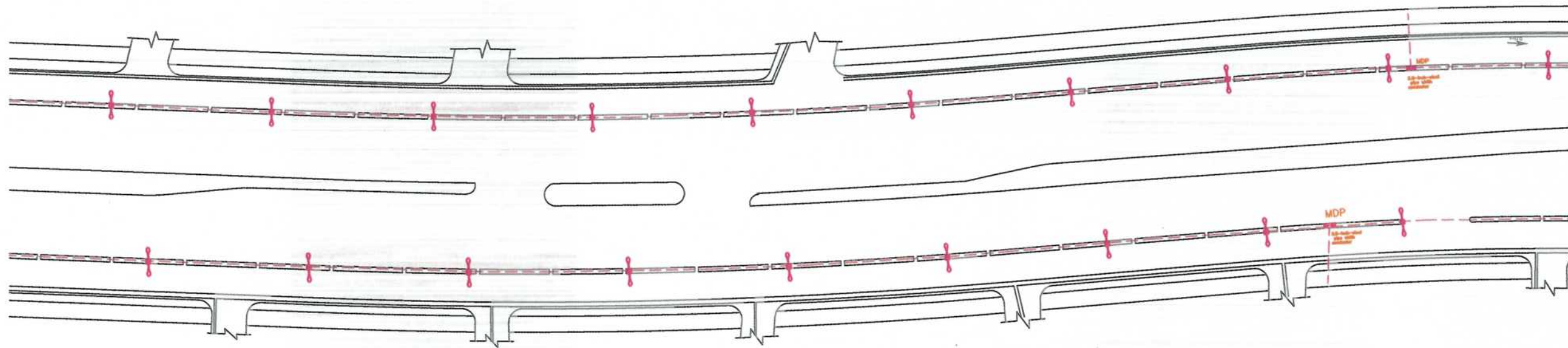
Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

ELECTRICAL PLANE

| | |
|--------------------|----------------|
| Drawn by: | Signature: |
| Jamshullah Nazari | |
| Designed by: | Signature: |
| Jamshullah Nazari | |
| Checked: | Signature: |
| M.H. Essa sirat | |
| Checked: | Signature: |
| Hosibulloh Shalizi | |
| Approved by: | Signature: |
| | |
| Date: | Scale: |
| 2023-08-06 | A3 HOR: 1:1000 |
| Status: | FINAL DESIGN |
| SHEET NO. | Revision |
| EL-PP-02 | 01 |



NOTE:

LEGENDS

Conduit & Conductor

Double pole street light

MDP



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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:



Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

ELECTRICAL PLANE

Drawn by:
Jamalullah Nazari

Signature:

Designed by:
Jamalullah Nazari

Signature:

Checked:
M.H. Easa sirat

Signature:

Checked:
Hasibullah Shalizi

Signature:

Approved by:

Signature:

Date:
2023-08-06

Scale:
HOR: 1:1000
A3

Status:

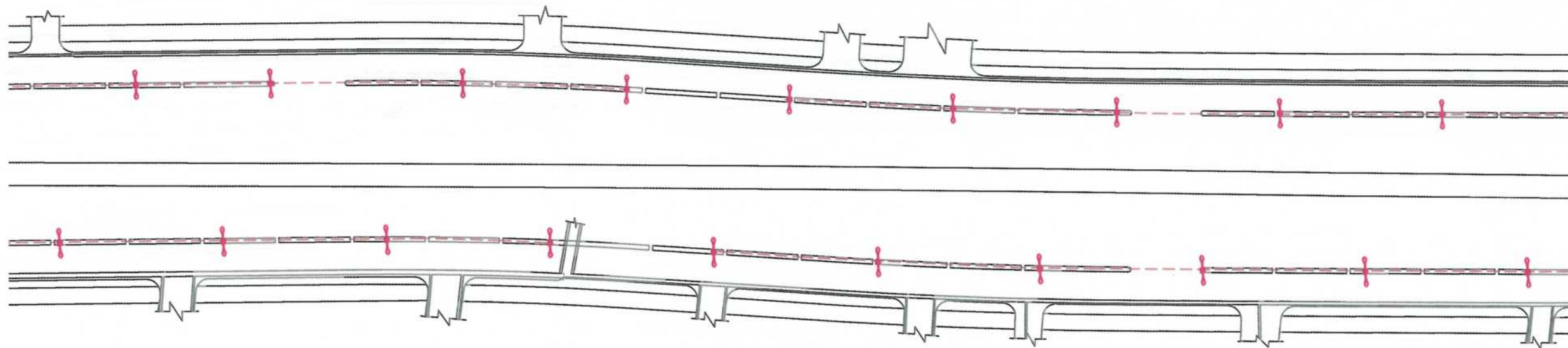
FINAL DESIGN

SHEET NO.

EP-PP-03

Revision


01



NOTE:

LEGENDS

Conduit & Conductor ————

Duble pole street light 

MDP 



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

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

 KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

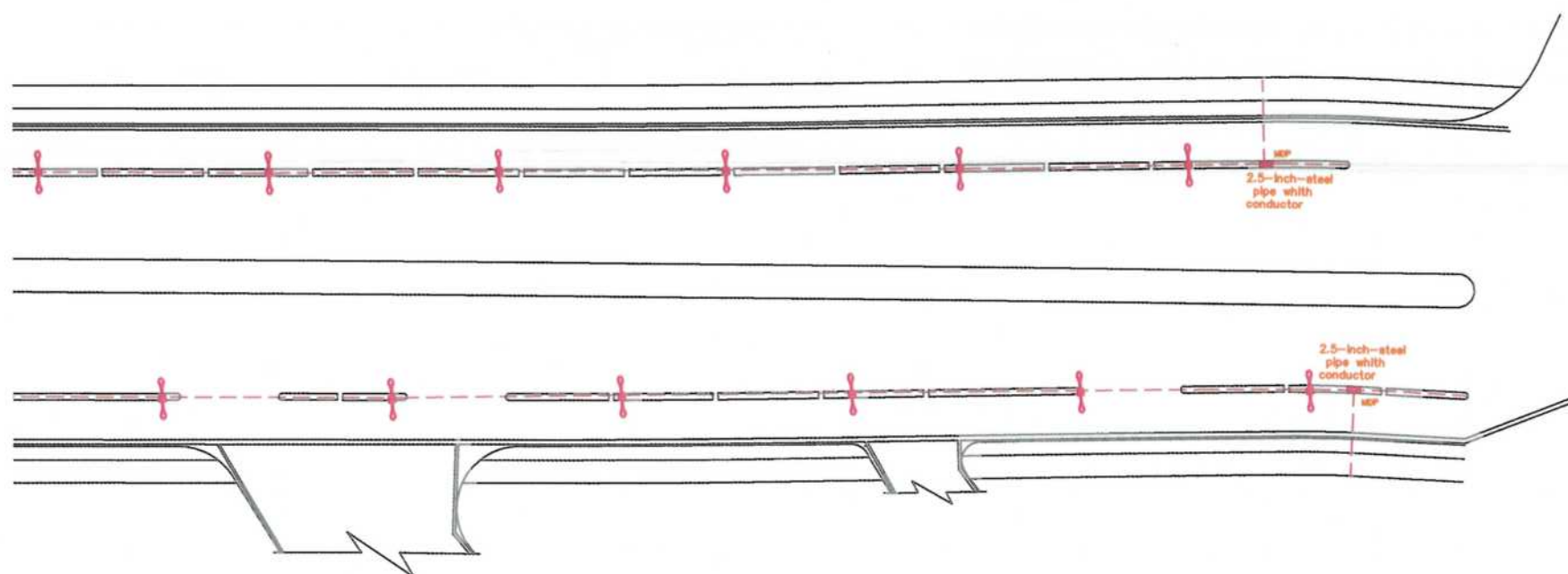
Drawing Title:
ELECTRICAL PLANE

| | |
|-----------------------------------|------------|
| Drawn by: Jamalullah Nazari | Signature: |
| Designed by: Jamalullah Nazari | Signature: |
| Checked: M.H. Essa sirat | Signature: |
| Checked: Hosbullah Shalizi | Signature: |
| Approved by: | Signature: |

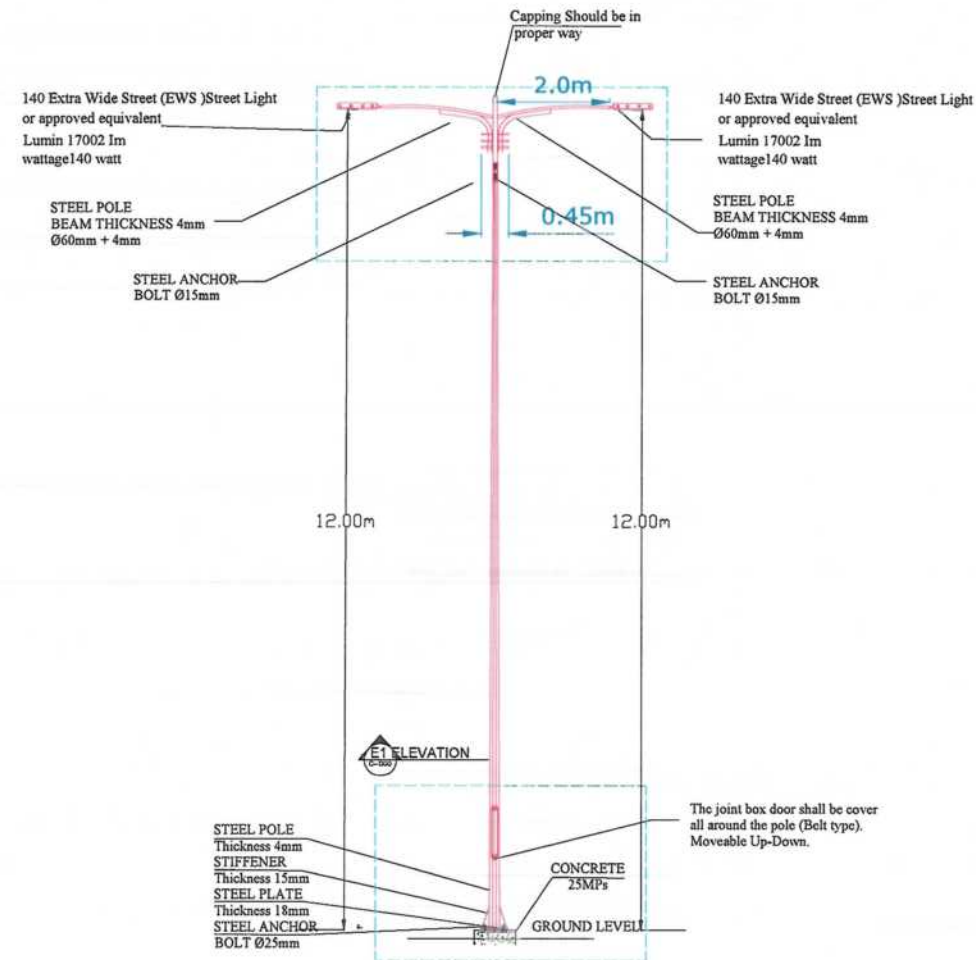
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|---------------------|-----------------------------|
| Date: 2023-08-06 | Scale: HOR: 1:1000 A3 |
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Status: FINAL DESIGN

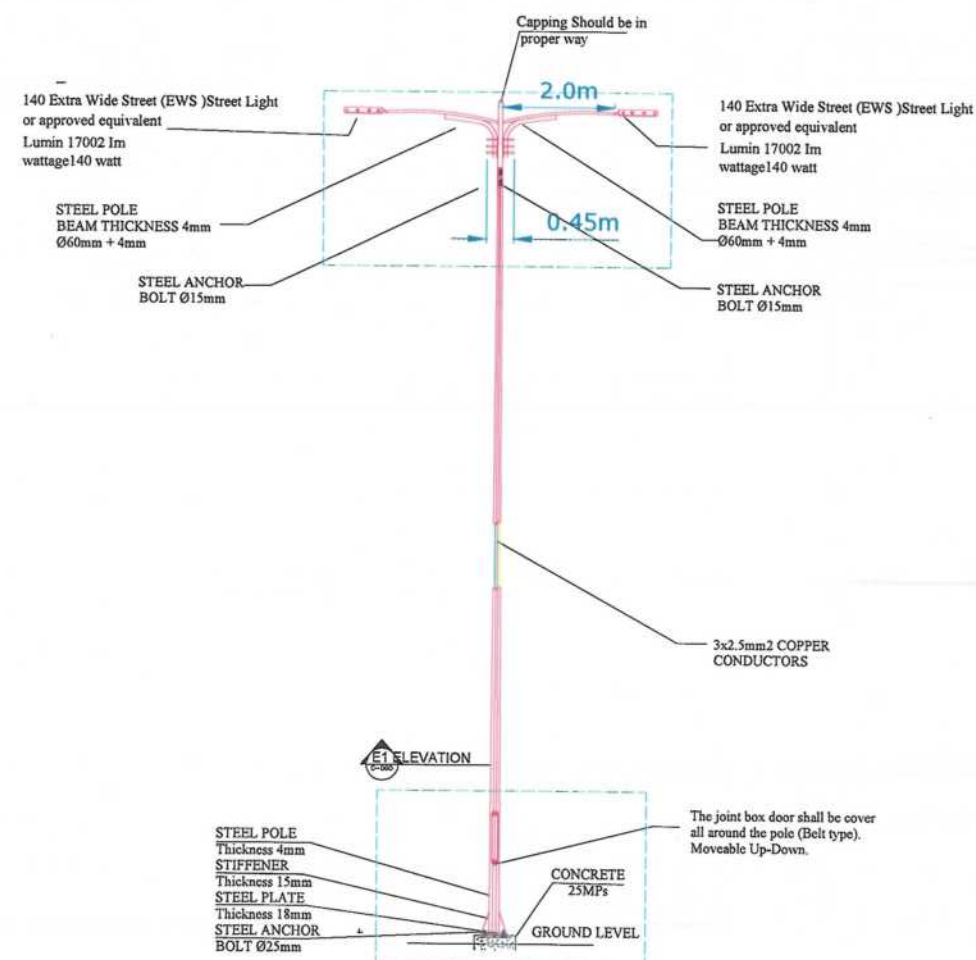
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|-----------------------|----------------|
| SHEET NO. EL-PP-04 | Revision 01 |
|-----------------------|----------------|



STREET LIGHTING POLE



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



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

NOTE:



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Street Lighting Details

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

Date: 70/08/2023

Status: FINEL DESIGN

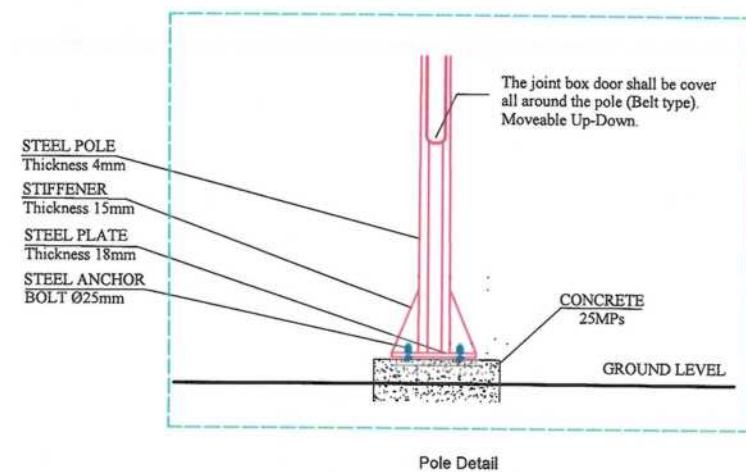
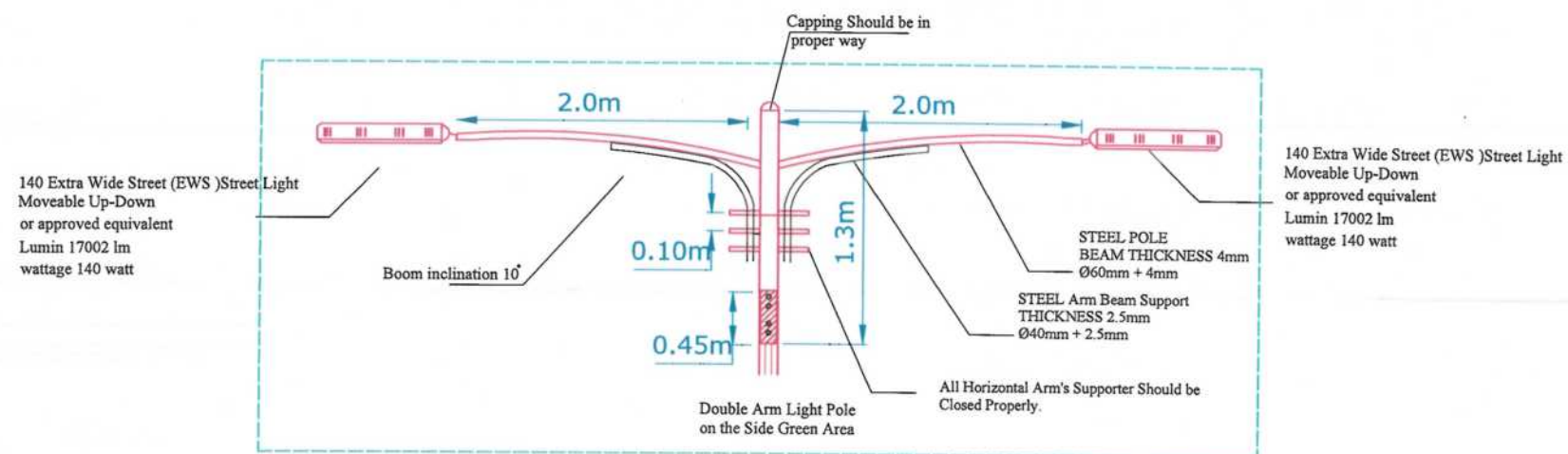
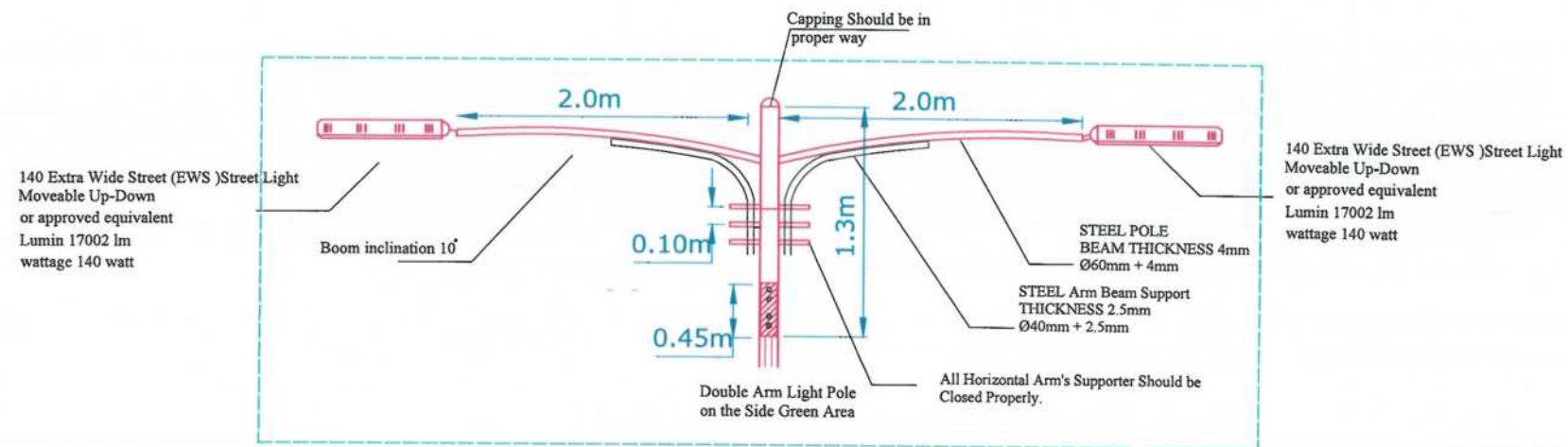
Project Code

SHEET NO.

EP-05

PAGE NO

06



Street Light Pole Double Arm

NOTE:



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

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Street Lighting Details

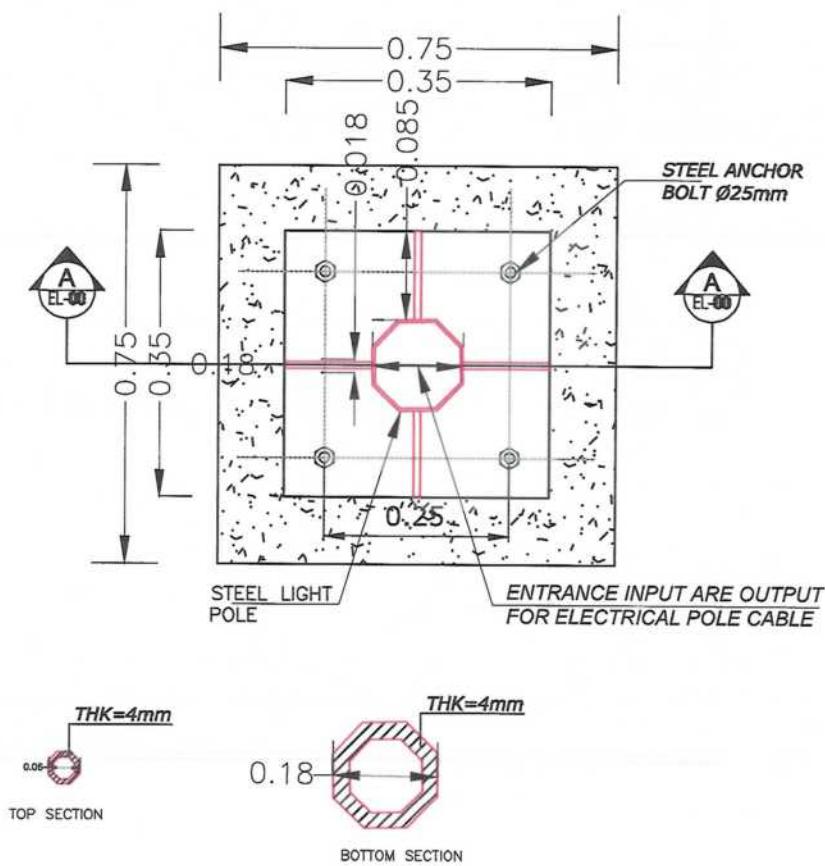
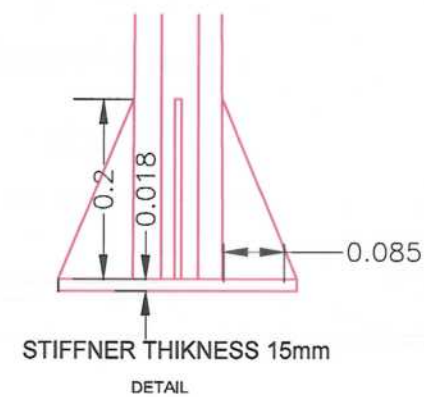
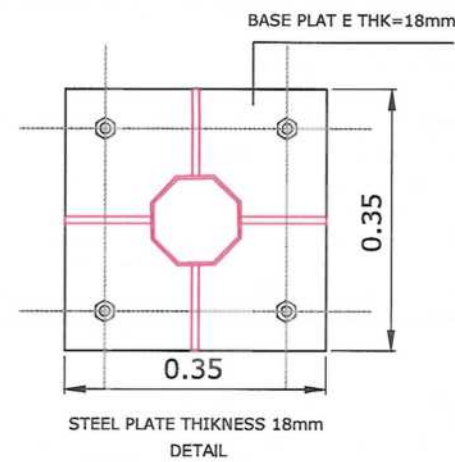
| | |
|-----------------------------|------------|
| Drawn: | Signature: |
| Designed: Jamshid Nazari | Signature: |
| Checked: M.H. Essa sirat | Signature: |
| Checked: Hasibullah Shalizi | Signature: |
| Approved by: | Signature: |

Date: 7/08/2023

Status: FINAL DESIGN

Project Code

| SHEET NO. | PAGE NO. |
|-----------|----------|
| EP-06 | 07 |



NOTE:



| Date | Revision Details | Drawn | Chkd. | Appr. |
|------|------------------|-------|-------|-------|
| | | | | |
| | | | | |
| | | | | |

ISLAMIC EMIRATE OF
AFGHANISTAN

Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Street Lighting Details

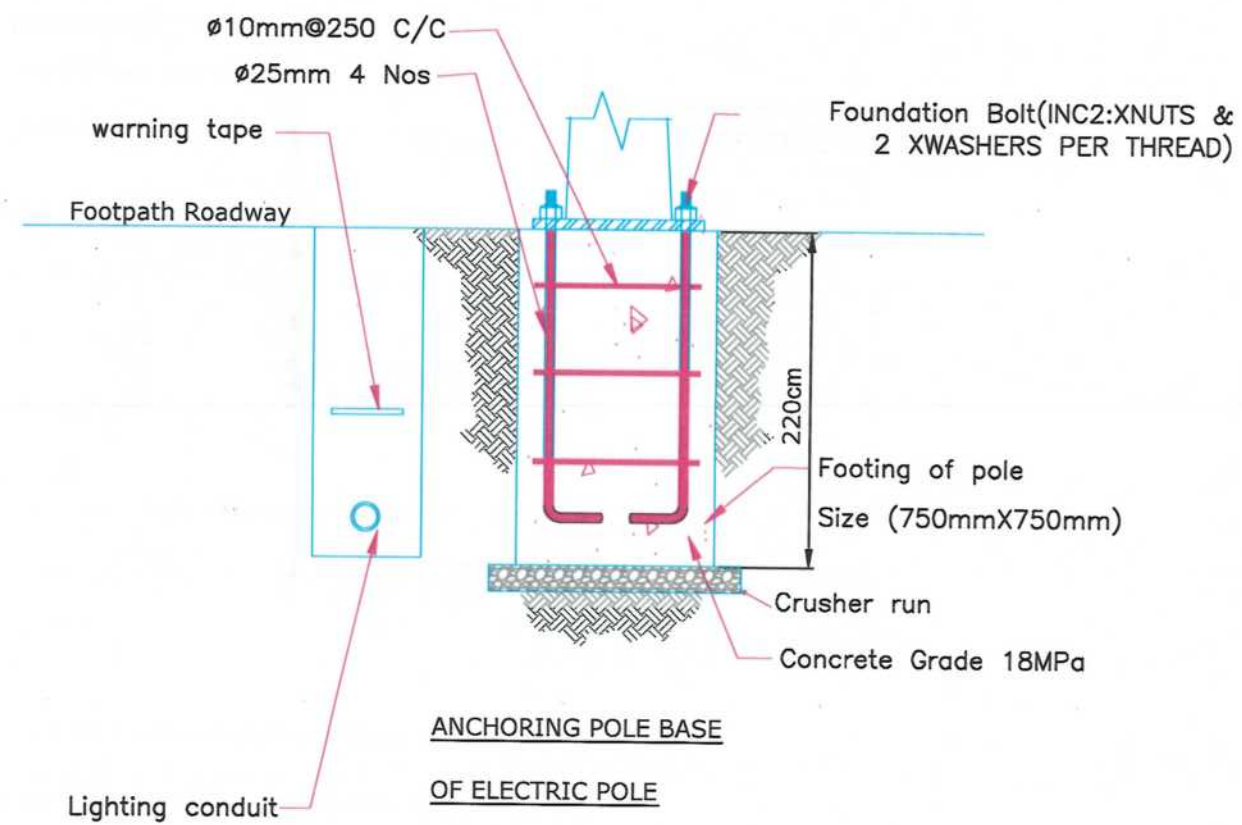
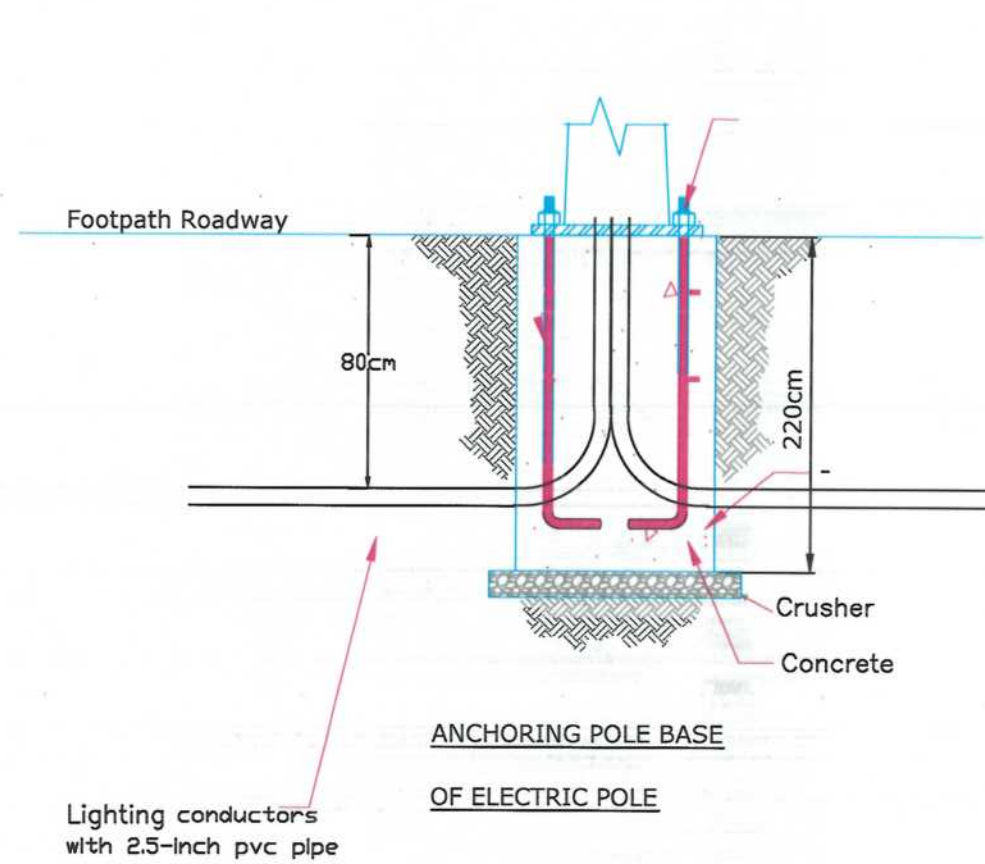
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|-----------------------------|------------|
| Drawn: Jamalulha Nazari | Signature: |
| Designed: Jamalulha Nazari | Signature: |
| Checked: M.H. Essa sirat | Signature: |
| Checked: Hasibullah Shalizi | Signature: |
| Approved by: | Signature: |

Date: 7/08/2023

Status: FINEL
DESIGN

Project Code

| | |
|--------------------|----------------|
| SHEET NO. EP-07 | PAGE NO. 08 |
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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 |
| Side Green Area | 12000 | 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:
CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:
Street Lighting Details

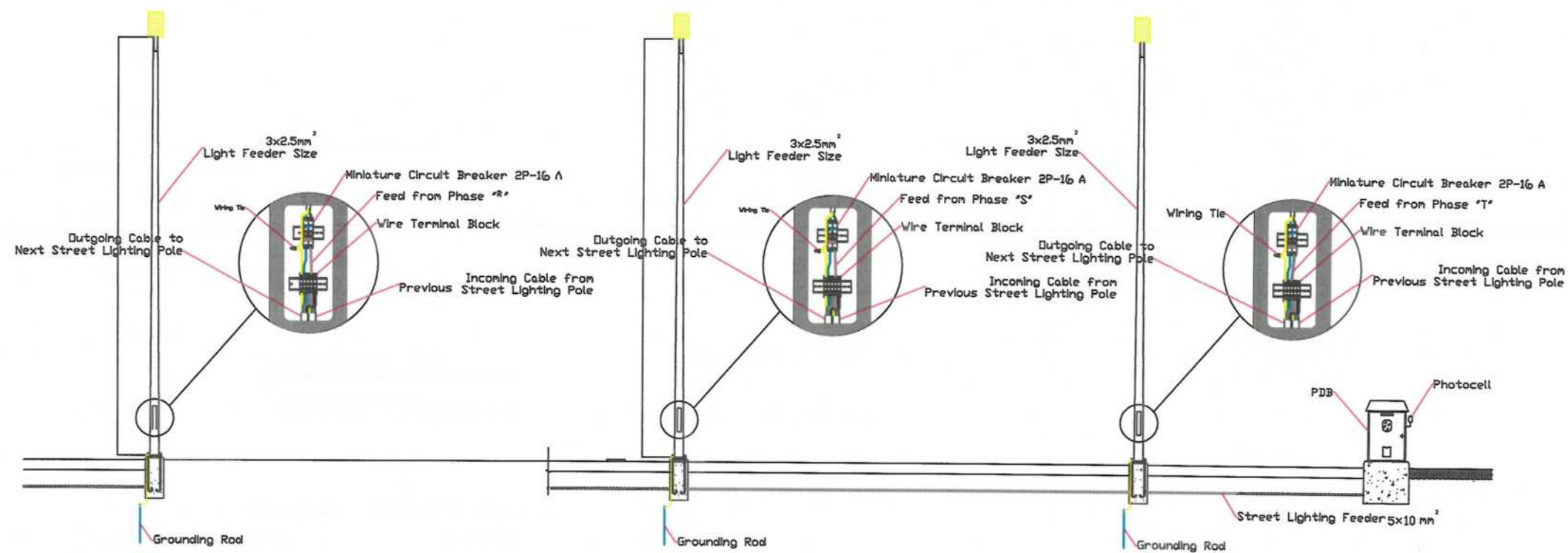
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Designed: Jamalulla Nazari Signature: [Signature]
Checked: M.H. Eisa strat Signature: [Signature]
Checked: Hasibullah Shalizi Signature: [Signature]
Approved by: Signature: [Signature]

Date: 7/08/2023

Status: FINEL
DESIGN

Project Code

SHEET NO. EP-8 PAGE NO. 9



Street Light Poles Wiring System (Elevation)

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.

NOTE:

1. All dimensions are in meters unless otherwise indicated.



| Date | Revision | Details | Drawn | Chkd. | Appr. |
|------|----------|---------|-------|-------|-------|
| | | | | | |

ISLAMIC EMIRATE OF
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Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIKHAHA MINA ROAD

Drawing Title:

Street Lighting Details

| | |
|-----------------------------|------------|
| Drawn: Jamshidha Nazari | Signature: |
| Designed: Jamshidha Nazari | Signature: |
| Checked: M.H. Bani Ghani | Signature: |
| Checked: Hasibullah Shalizi | Signature: |
| Approved by: | Signature: |

Date:

7/08/2023

Status:

FINEL
DESIGN

Project Code

SHEET NO.

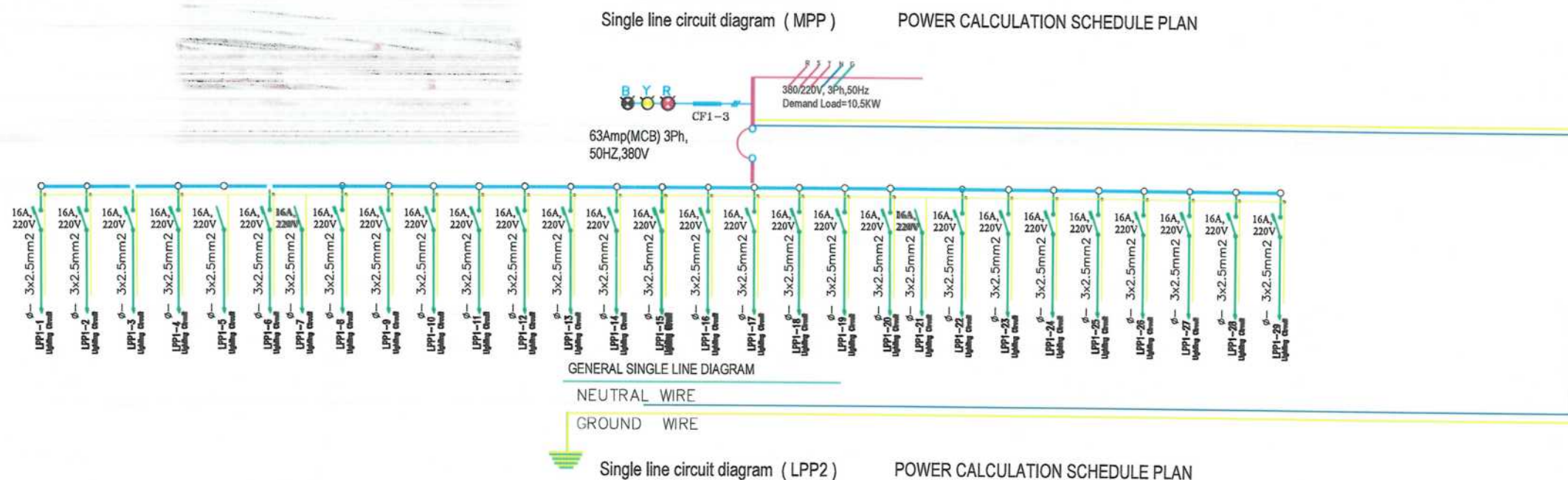
EP-9

PAGE NO.

9

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

| 380Y / 220 VOLTS, 3 PHASE, 5 WIRE 50Hz PANEL BOARD | | | MAIN CIRCUIT BREAKER:- | | | | | | | | | | 3 Ph-63A | | | MOUNTING , SURFACE PANEL BOARD LOCATION :- | | | | |
|---|-------------|------------------|---------------------------|-------|------|-----|------|-----|---|---|---|-----|----------|-----|---------------|---|------|------------------|-------------|----------------------|
| WIRE & CONDUIT mm2 | GND WIRE | LOAD DESCRIPTION | DEMEANED (VA) | | | AMP | POLE | CKT | A | B | C | CKT | POLE | AMP | DEMEANED (VA) | | | LOAD DESCRIPTION | GND WIRE | WIRE & CONDUIT mm2 |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | 280 | | | 16 | | | | | | | | 16 | 280 | | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | 280 | | 16 | | | | | | | | 16 | | 280 | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | | 280 | 16 | | | | | | | | 16 | | | 280 | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | 280 | | | 16 | | | | | | | | 16 | 280 | | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | 280 | | 16 | | | | | | | | 16 | | 280 | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | | 280 | 16 | | | | | | | | 16 | | | 280 | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | 280 | | | 16 | | | | | | | | 16 | 280 | | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | 280 | | 16 | | | | | | | | 16 | | 280 | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | | 280 | 16 | | | | | | | | 16 | | | 280 | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | 280 | | | 16 | | | | | | | | 16 | 280 | | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | 280 | | 16 | | | | | | | | 16 | | 280 | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | | 280 | 16 | | | | | | | | 16 | | | 280 | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | 280 | | | 16 | | | | | | | | 16 | 280 | | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | 280 | | 16 | | | | | | | | 16 | | 280 | | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| 2(1C X2.5 mm) Ø 20mm | 2.5mm2 | LIGHTING | | | 280 | 16 | | | | | | | | 16 | | | 280 | LIGHTING | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| SPARE | | | | | | | | | | | | | | | | | | SPARE | 2.5mm2 | 2(1C X2.5 mm) Ø 20mm |
| SUB - TOTAL | | | 1400 | 1400 | 1400 | | | | | | | | | | 1400 | 1400 | 1120 | SUB - TOTAL | | |
| | | | VA | AMP | | | | | | | | | | | | | | | | |
| Total Phase A | | | 2520 | 11.45 | | | | | | | | | | | | | | | | |
| Total Phase B | | | 2800 | 12.73 | | | | | | | | | | | | | | | | |
| Total Phase C | | | 2800 | 12.73 | | | | | | | | | | | | | | | | |
| Total Connected Load | | | 8.12 | VA | | | | | | | | | | | | | | | | |
| Power Factor=0.8 | | | 10.15 | | | | | | | | | | | | | | | | | |
| Demand Factor Load =0.7 | | | 7.105 | VA | | | | | | | | | | | | | | | | |
| 20 % Future Load | | | 1.421 | VA | | | | | | | | | | | | | | | | |
| Total Load | | | 10.6575 | KVA | | | | | | | | | | | | | | | | |
| Total Ampere 3 PH | | | 21.05 | AMP | | | | | | | | | | | | | | | | |



ISLAMIC EMIRATE OF
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Designed By:

KABUL MUNICIPALITY
DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND
LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Street Lighting Details

Drawn: Jamulilla Nazari Signature: [Signature]

Designed: Jamulilla Nazari Signature: [Signature]

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

Checked: Hasibullah Shalizi Signature: [Signature]

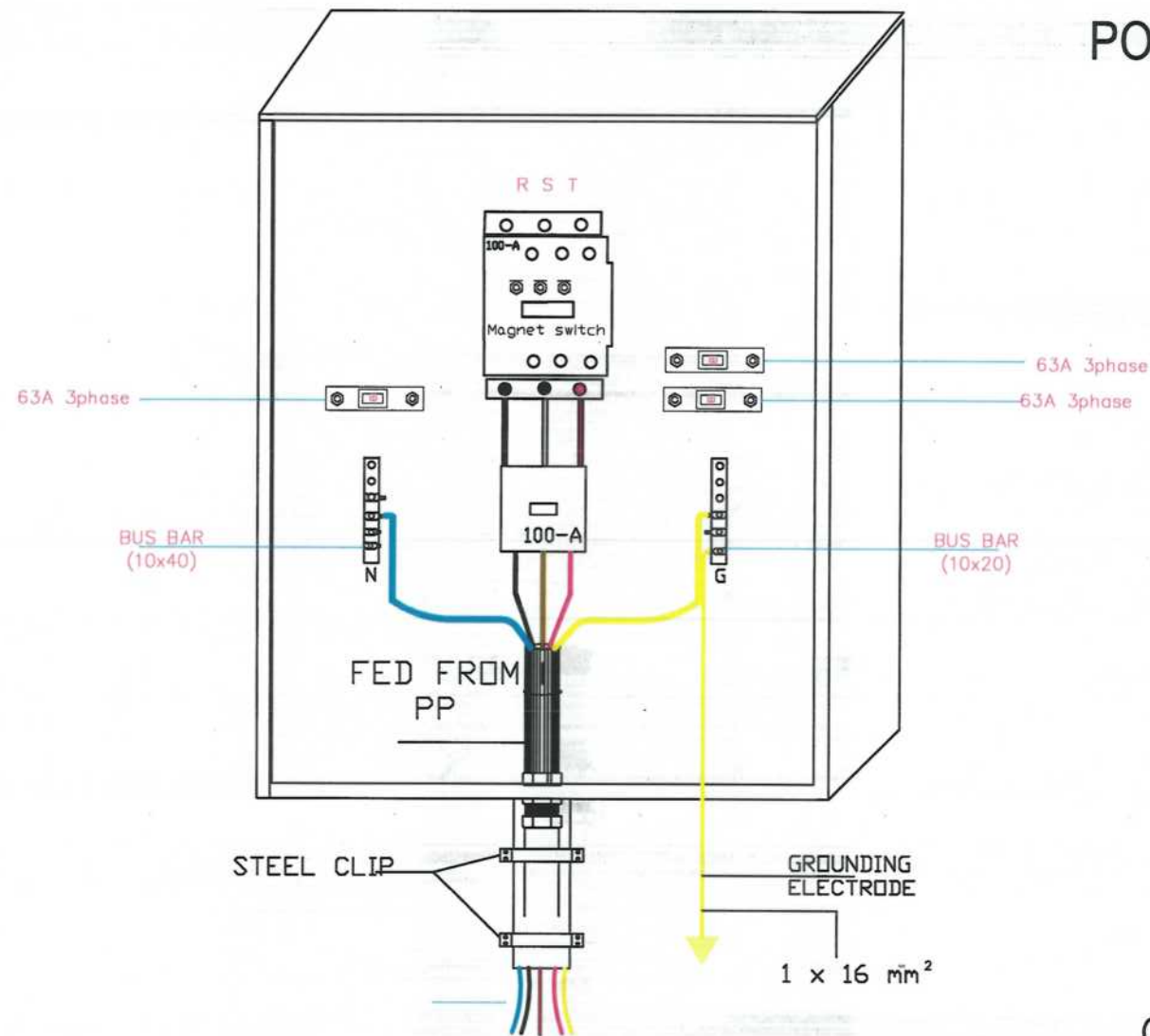
Approved by: Signature: [Signature]

Date: 7/08/2023

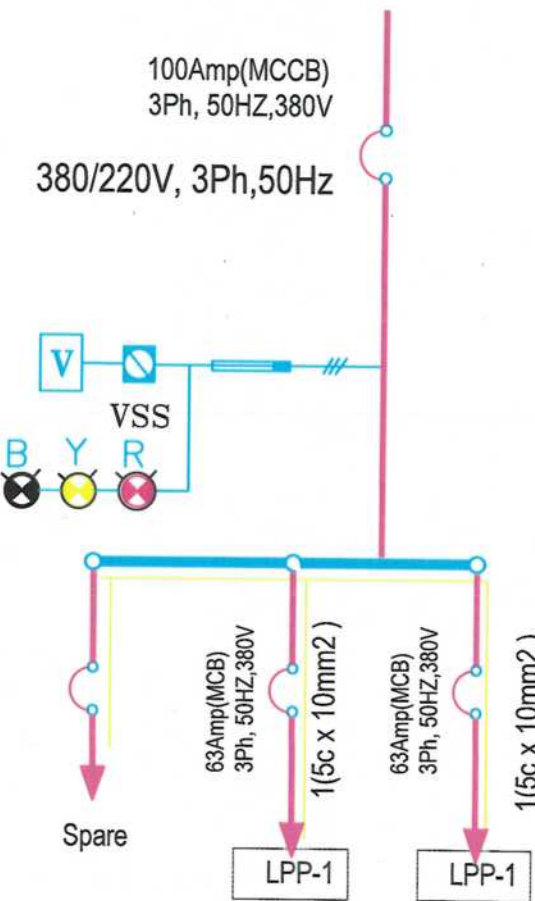
Status: FINEL
DESIGN

Project Code

SHEET NO. EP10 PAGE NO. 11



POWER CALCULATION SCHEDULE PLAN



GENERAL SINGLE LINE DIAGRAM (MDB)

COLORS COD

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

NOTE



Date Revision Details Drawn Chkd Appr

ISLAMIC EMIRATE OF AFGHANISTAN

Designed By:

KABUL MUNICIPALITY DESIGN TEAM

Project Name:

CONSTRUCTION AFFAIRS OF THE SECOND LOT KOTAL KHAIRKHANA MINA ROAD

Drawing Title:

Street Lighting Details

Drawn: Jamalulha Nazari Signature:

Designed: Jamalulha Nazari Signature:

Checked: M.H. Easo sirat Signature:

Checked: Hasibullah Shalizi Signature:

Date: 7/08/2023

Status: FINEL DESIGN

Project Code

SHEET NO.

EP-13

PAGE NO.

14

Angle = (40 X 40 X3)MM

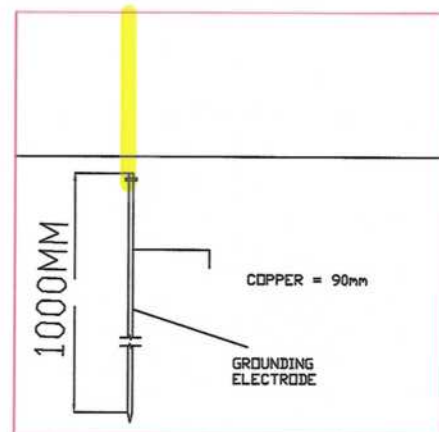
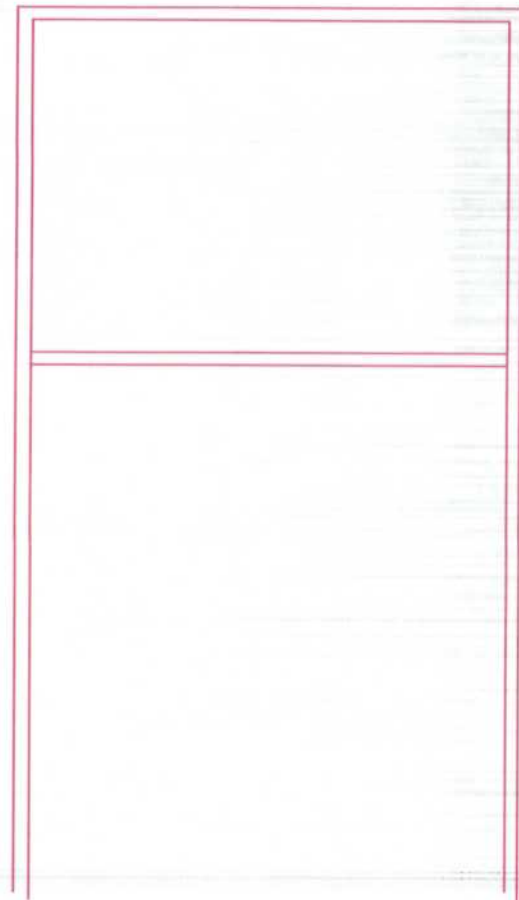
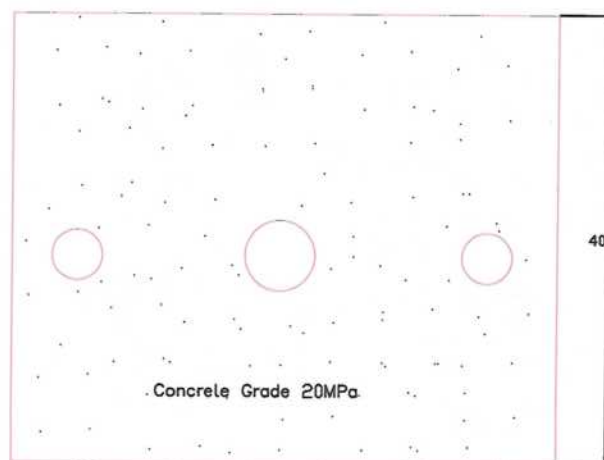
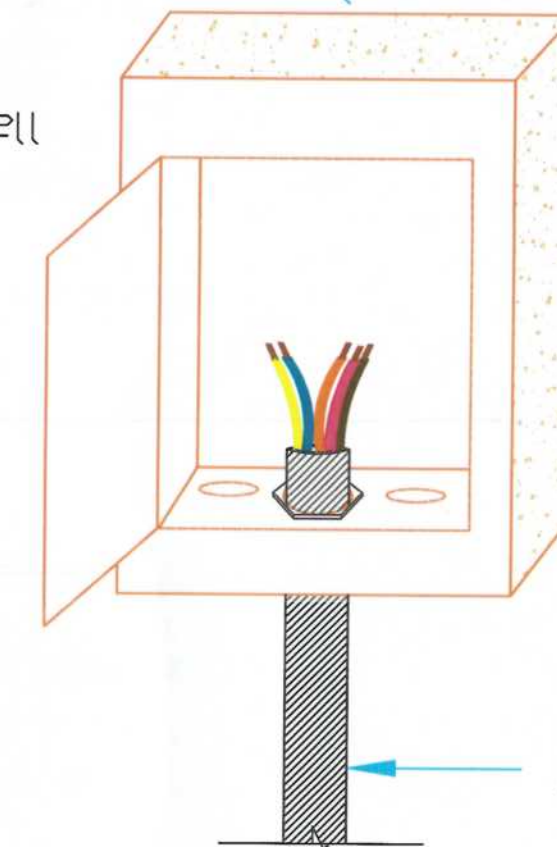
MDP

Photo cell

STEEL WATER PROOF
LOCKABLE PANEL

Control Box 80CM x 50CM x 15CM

GALWNIZED
STEEL EMT 2"



Lighting conductors
with PVC PIPE 2-Inch

Lighting conductors
with Steel PIPE 2.5-Inch

Concrete Grade 20MPa

Satisfactory material

80CM

10CM

75CM

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



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

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Drawing Title:
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| | |
|-----------------------------|------------|
| Drawn: Jamshid Nazari | Signature: |
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| Checked: M.H. Easa sirst | Signature: |
| Checked: Hasibullah Shalizi | Signature: |
| Approved by: | Signature: |

Date: 7/08/2023

Status: FINEL
DESIGN

Project Code

SHEET NO.

EP-14

PAGE NO.

15