

PROPOSED INSTALLATION OF STREET LIGHTS -TOWFIQ ROAD,
BAY PROJECT ROAD, AND ADC ROAD IN BAIDOA DISTRICT,
SOUTH WEST STATE,SOMALIA



Project Title:



Proposed Baidoa streetlights
Towfiq Road

Legend
● Feature 1
→ Towfiq

Notes

1. All dimensions are to be checked on site. Any discrepancy in dimensions is to be reported to the architect before any work commences. The Architect's drawings and specifications over rule any other. The Structural Engineers detail drawings.
2. All construction work to comply with the international standards codes protection.
3. The PV denotes permanent ventilation and must be provided above all doors and windows where indicated.
4. All walls less than 200mm thick are to be reinforced with hoop iron sheet every alternate course.
5. All reinforced concrete works to be done according to structural detail drawings

| No: | Date: | Description: |
|----------|-------|--------------|
| | | |
| REVISION | | |

Implemented by:

International Organization for Migration (IOM)
The UN Migration Agency

Client:

THE FEDERAL REPUBLIC OF SOMALIA

SOUTH WEST STATE, BAIDOA DISTRICT

Project Title:
PROPOSED INSTALLATION OF STREETLIGHTS - IN BAIDOA, SOUTH WEST STATE, SOMALIA

Drawing Title:
SITE ANALYSIS

| | |
|--------------|------------------|
| SCALE: | AS SHOWN |
| DATE: | SEPTEMBER 2018 |
| DRAWN BY: | ENG. Duale Salah |
| REVIEWED BY: | |

Sheet No.

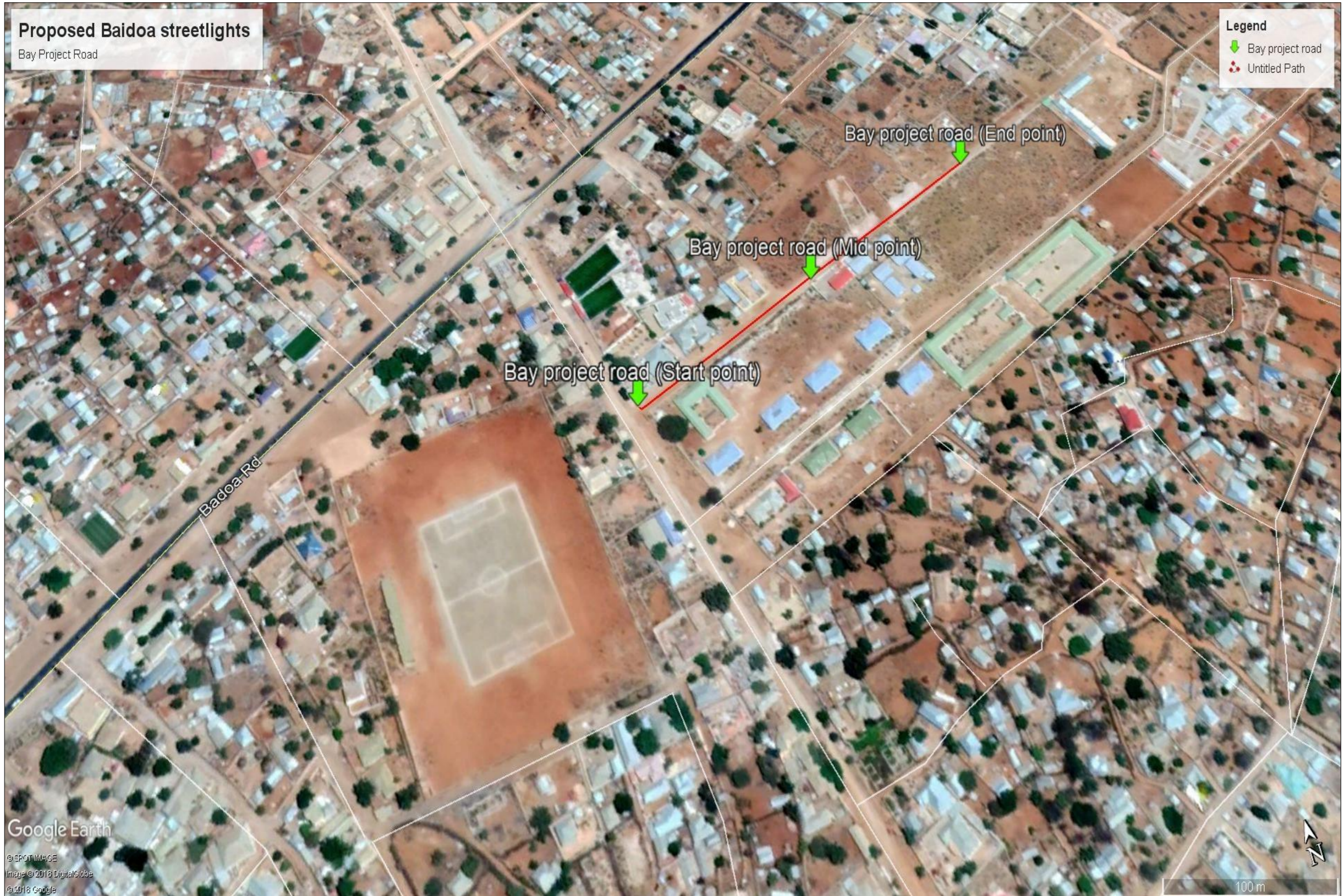
03/11

A3

| LABEL: | LOCATION: | |
|----------|-------------------------------------|-----------------------|
| A | N - 3° 7'37.04" E - 43°40'10.22" | Point A - Start Point |
| B | N - 3° 7'36.55" E - 43°40'13.74" | Point B - Mid Point |
| C | N - 3° 7'36.00" E - 43°40'16.72" | Point C - End Point |

SITE ANALYSIS OF TOWFIQ ROAD

PROJECT LIMITS
(Length = 240 Meters)
TOTAL STREETLIGHTS = 6 Units



Proposed Baidoa streetlights
Bay Project Road

Legend
 Bay project road
 Untitled Path

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The UN Migration Agency

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PROPOSED INSTALLATION OF STREETLIGHTS - IN BAIDOA, SOUTH WEST STATE, SOMALIA

Drawing Title:
SITE ANALYSIS

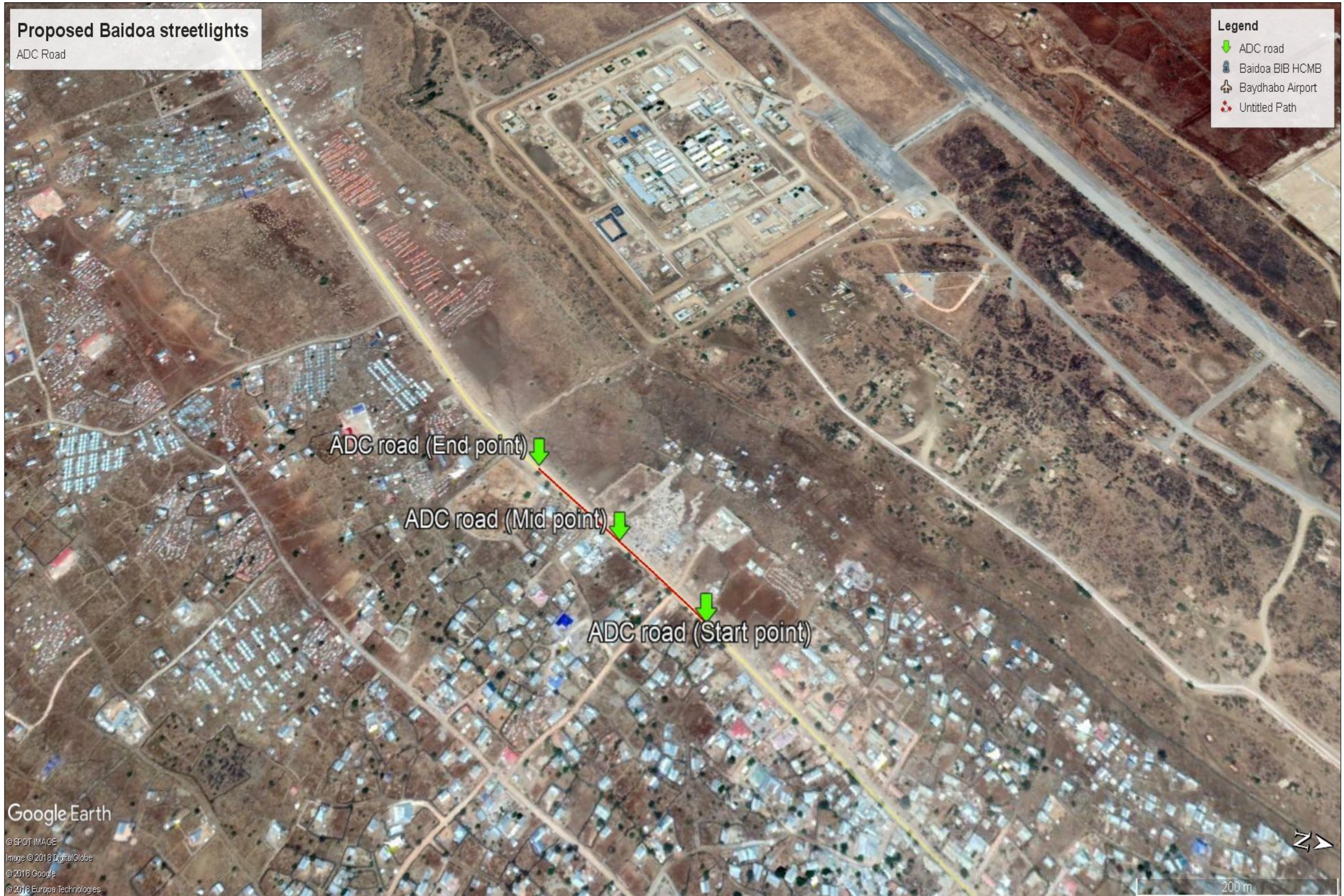
SCALE: AS SHOWN
DATE: SEPTEMBER 2018
DRAWN BY: ENG. Duale Salah
REVIEWED BY:

Sheet No.
04/11
A3

| LABEL: | LOCATION: |
|---|-----------------------|
| A N - 3° 7'20.50" E - 43°39'39.62" | Point A - Start Point |
| B N - 3° 7'21.96" E - 43°39'44.51" | Point B - Mid Point |
| C N - 3° 7'23.62" E - 43°39'49.41" | Point C - End Point |

SITE ANALYSIS OF BAY PROJECT ROAD

PROJECT LIMITS
(Length = 320 Meters)
TOTAL STREETLIGHTS = 8 Units



Proposed Baidoa streetlights
ADC Road

Legend

- ADC road
- Baidoa BIB HCMB
- Baydhabo Airport
- Untitled Path

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SOUTH WEST STATE, BAIDOA DISTRICT

Project Title:
PROPOSED INSTALLATION OF STREETLIGHTS - IN BAIDOA, SOUTH WEST STATE, SOMALIA

Drawing Title:
SITE ANALYSIS

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: ENG. Duale Salah

REVIEWED BY:

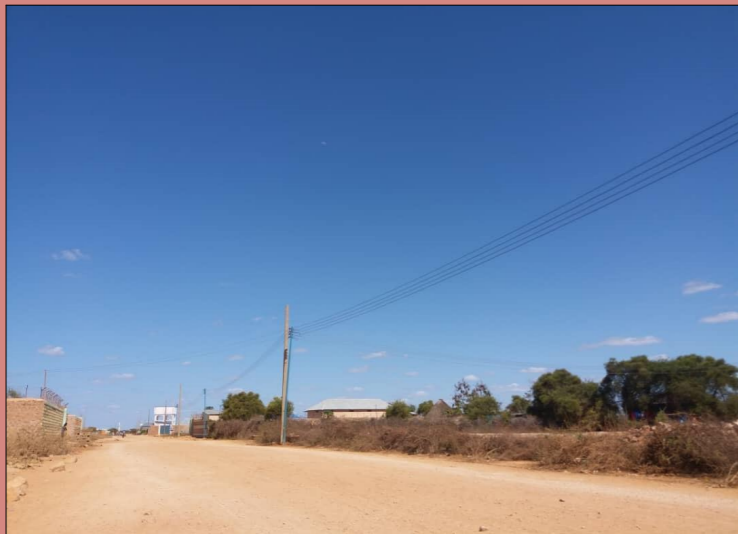
Sheet No.
05/11

A3

| LABEL: | LOCATION: |
|--|-----------------------|
| A N - 3° 7'20.50" E - 43°39'39.62" | Point A - Start Point |
| B N - 3° 7'21.96" E - 43°39'44.51" | Point B - Mid Point |
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SITE ANALYSIS OF ADC ROAD

PROJECT LIMITS
(Length = 280 Meters)
TOTAL STREETLIGHTS = 7 Units



Notes

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The UN Migration Agency

Client:



THE FEDERAL REPUBLIC OF SOMALIA



SOUTH WEST STATE, BAIDOA DISTRICT

Project Title:

PROPOSED INSTALLATION OF STREETLIGHTS - IN BAIDOA, SOUTH WEST STATE, SOMALIA

Drawing Title:

SITE PHOTOS

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: ENG. Duale Salah

REVIEWED BY:

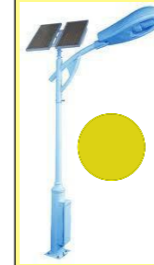
Sheet No.

06/11

A3

FULL - STRETCH TRAVERSE PLAN (Length = 240 METERS) TOWFIQ ROAD

LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(8 POLES)

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| REVISION | | |

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The UN Migration Agency

Client:



THE FEDERAL REPUBLIC
OF SOMALIA



SOUTH WEST STATE,
BAIDOA DISTRICT

Project Title:

PROPOSED INSTALLATION OF
STREETLIGHTS - IN BAIDOA, SOUTH
WEST STATE, SOMALIA

Drawing Title:

TRAVERSE PLAN

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: ENG. Duale Salah

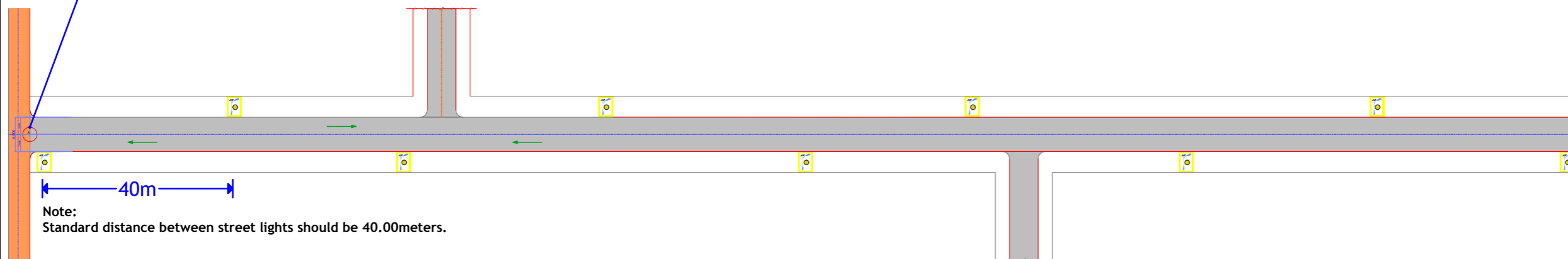
REVIEWED BY:

Sheet No.

07/11

A3

Beginning of Project
Point A



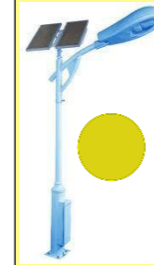
Note:
Standard distance between street lights should be 40.00meters.

TOWFIQ ROAD - TRAVERSE PLAN -

| LABEL: | LOCATION: |
|--|-----------------------|
| A N - 3° 7'37.04" E - 43°40'10.22" | Point A - Start Point |
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| C N - 3° 7'36.00" E - 43°40'16.72" | Point C - End Point |

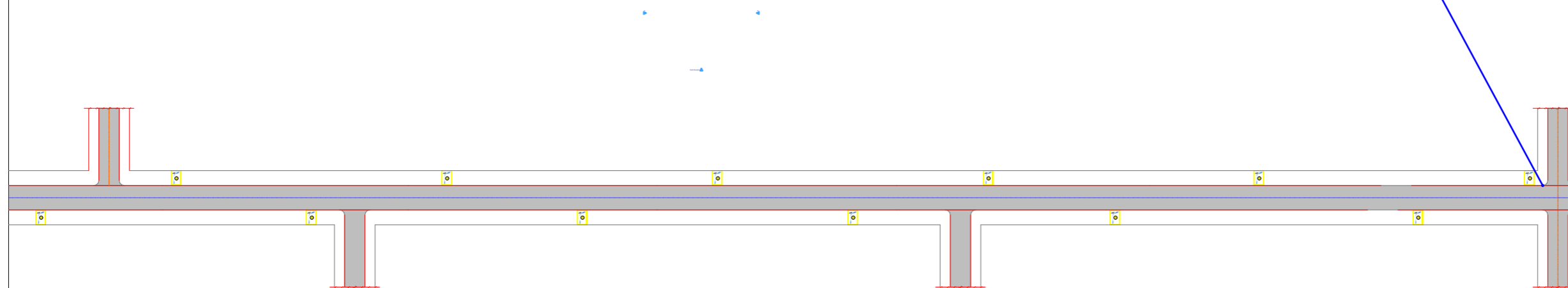
FULL - STRETCH TRAVERSE PLAN (Length = 320 METERS) BAY PROJECT ROAD

LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(8 POLES)

Ending of Project
Point C



BAY PROJECT ROAD -TRAVERSE PLAN-

| LABEL: | LOCATION: |
|--|-----------------------|
| A N - 3° 7'20.50" E - 43°39'39.62" | Point A - Start Point |
| B N - 3° 7'21.96" E - 43°39'44.51" | Point B - Mid Point |
| C N - 3° 7'23.62" E - 43°39'49.41" | Point C - End Point |

Notes

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THE FEDERAL REPUBLIC
OF SOMALIA



SOUTH WEST STATE,
BAIDOA DISTRICT

Project Title:

PROPOSED INSTALLATION OF
STREETLIGHTS - IN BAIDOA, SOUTH
WEST STATE, SOMALIA

Drawing Title:

TRAVERSE PLAN

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: **ENG. Duale Salah**

REVIEWED BY:

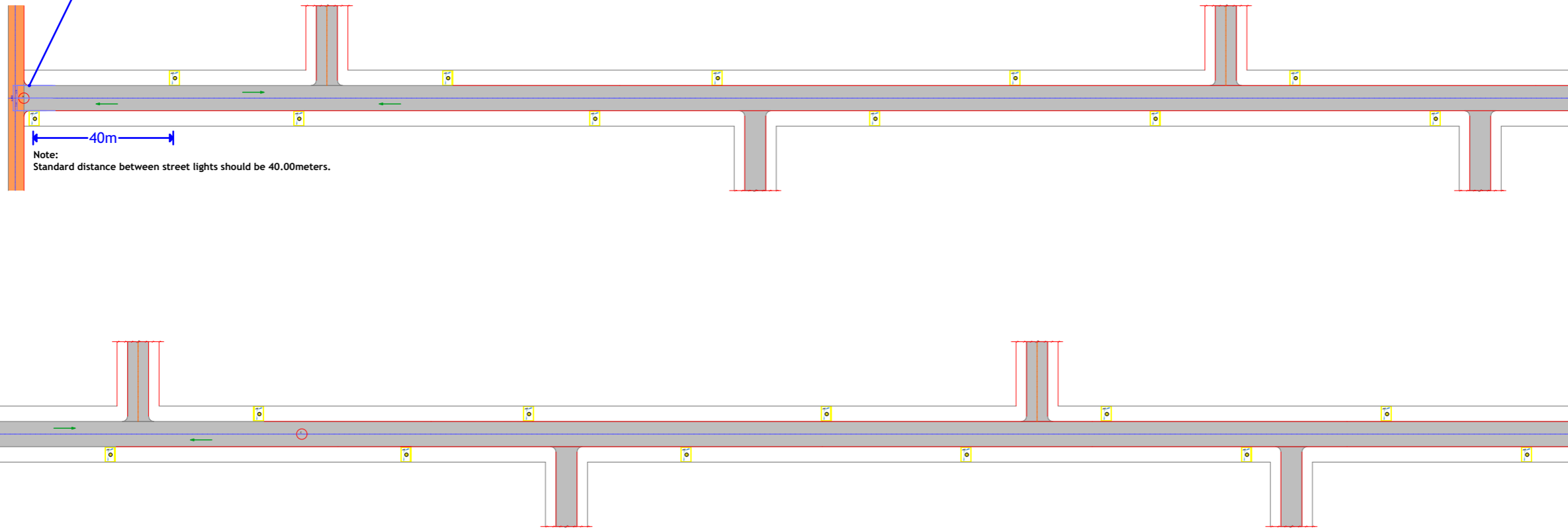
Sheet No.

08/11

A3

FULL - STRETCH TRAVERSE PLAN (Length = 280 METERS) ADC ROAD

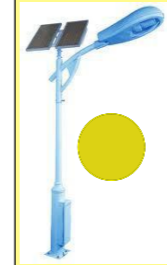
Beginning of Project
Point A



40m

Note:
Standard distance between street lights should be 40.00meters.

LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(7 POLES)

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THE FEDERAL REPUBLIC
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SOUTH WEST STATE,
BAIDOA DISTRICT

Project Title:

PROPOSED INSTALLATION OF
STREETLIGHTS - IN BAIDOA, SOUTH
WEST STATE, SOMALIA

Drawing Title:

TRAVERSE PLAN

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: ENG. Duale Salah

REVIEWED BY:

Sheet No.

09/11

A3

ADC ROAD —TRAVERSE PLAN—

| LABEL: | LOCATION: |
|--|-----------------------|
| A N - 3° 7'20.50" E - 43°39'39.62" | Point A - Start Point |
| B N - 3° 7'21.96" E - 43°39'44.51" | Point B - Mid Point |
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THE FEDERAL REPUBLIC OF SOMALIA SOUTH WEST STATE, BAIDOA DISTRICT

Project Title:
PROPOSED INSTALLATION OF STREETLIGHTS - IN BAIDOA, SOUTH WEST STATE, SOMALIA

Drawing Title:
ROAD CROSS SECTION

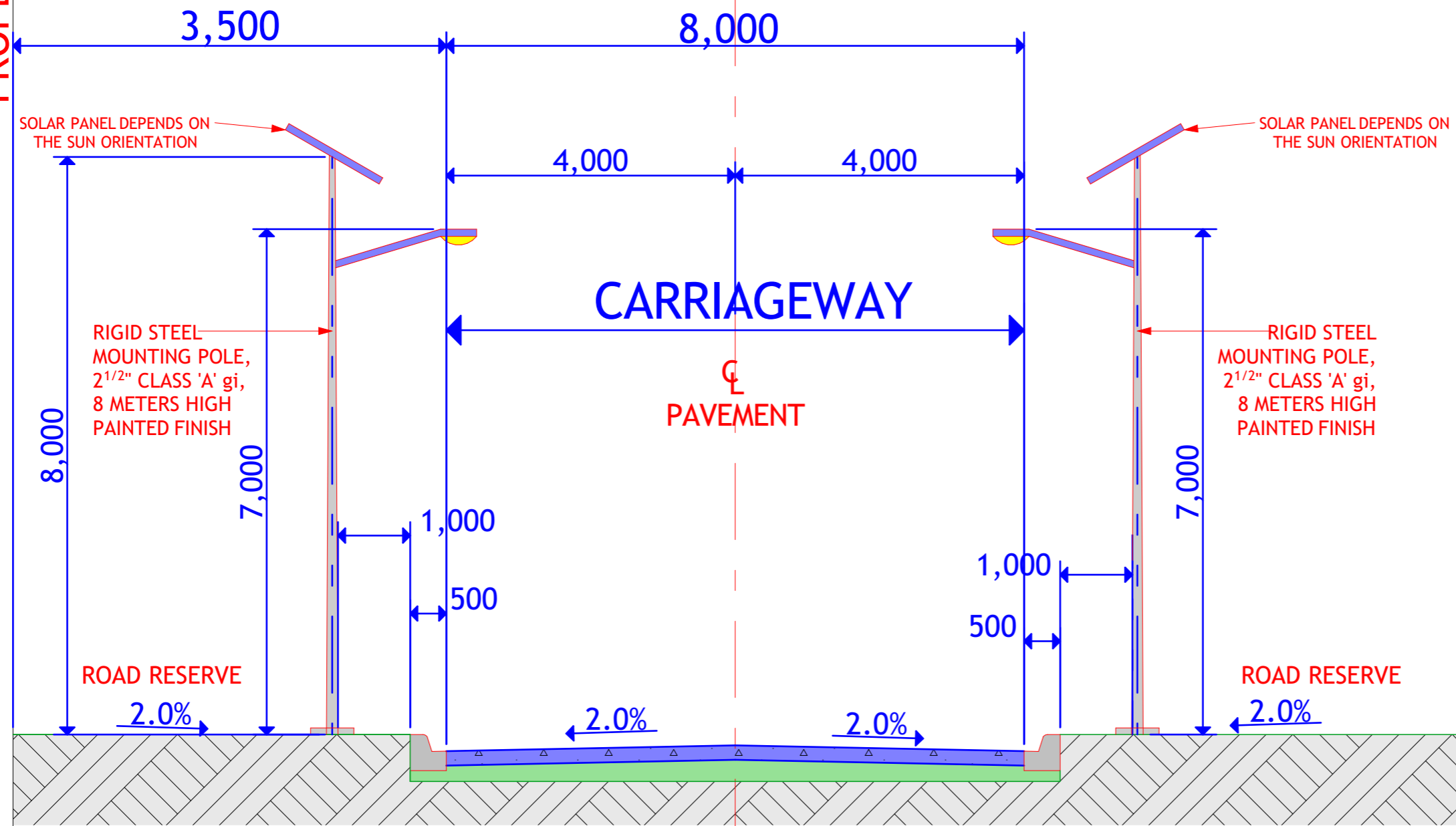
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| SCALE: | AS SHOWN |
| DATE: | SEPTEMBER 2018 |
| DRAWN BY: | ENG. Duale Salah |
| REVIEWED BY: | |

Sheet No.
10/11
A3

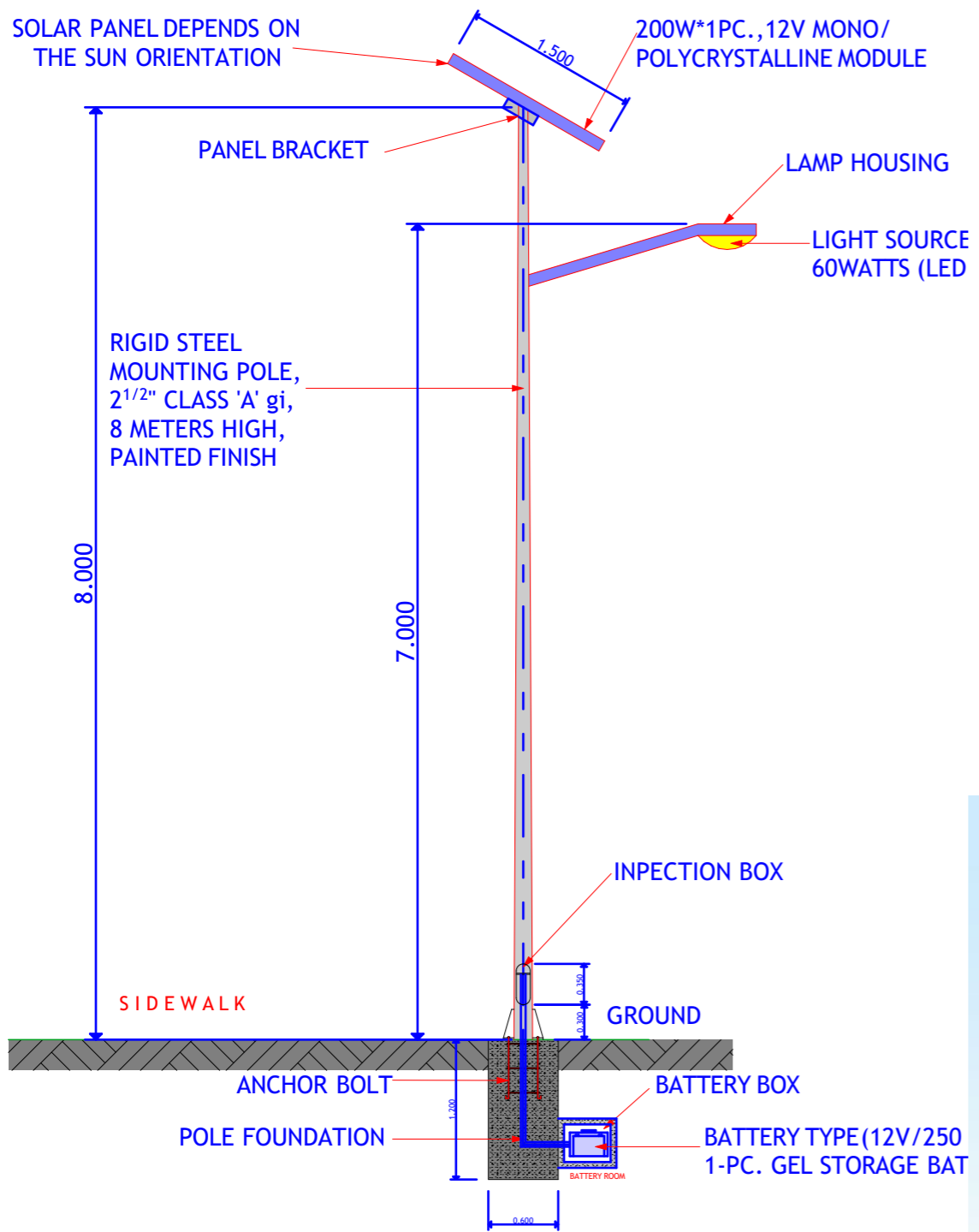
PROPERTY LINE

PROPERTY LINE

ROAD RIGHT OF WAY



TYPICAL ROAD CROSS - SECTION



SOLAR STREET LIGHT
(AS PER MANUFACTURER'S DETAILS)

| SOLAR LAMP | | 60W SINGLE LED SOLAR STREET LIGHT SYSTEM SPECIFICATION |
|----------------|--------------------------|--|
| ORDINAL NUMBER | COMPONENTS | PARAMETER GENERAL SITUATION |
| 01 | SOLAR PANEL | 200W*1PC. MONO/POLYCRYSTALLINE SILICON |
| 02 | BATTERY | 12V/250AH*1-PC. GEL STORAGE BATTERY |
| 03 | LIGHT SOURCE SOCKET | 60WATTS (LED) * ONE(1) PC. |
| 04 | CONTROLLER | 24VOLTS/20AMPERES |
| 05 | TEMPERATURE | -40 - 50 DEGREE CELSIUS |
| 06 | LIGHTING TIME | 3 RAINY DAYS, EVERYDAY 12 HOURS |
| 07 | HEIGHT | EIGHT METERS (8M) |
| 08 | BATTERY BOX (PLASTIC) | ONE(1) SET (TO BE PUT UNDERGROUND) |
| 09 | ACCESSORIES, CABLE, ETC. | ONE(1) SET |



DETAILS & SPECIFICATIONS

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Drawing Title:
DETAILS & SPECS

SCALE: AS SHOWN

DATE: SEPTEMBER 2018

DRAWN BY: ENG. Duale Salah

REVIEWED BY:

Sheet No.
11/11

A3