



KISMAYO STREETLIGHTING

PROJECT:

**PROPOSED INSTALLATION
OF STREETLIGHTS
(VIA AFMADHOW ROAD &
DALXISKA CAMP)
- KISMAYO DISTRICT -**

IMPLEMENTED

DAL★BILE

A NATION IS BUILT BY ITS PEOPLE

SOMALI STABILIZATION INITIATIVES

GOVERNMENT



PROPOSED INSTALLATION OF STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
- KISMAYO DISTRICT -

SEPT. 2017

GRANT N^o: KIS070

DRAWING INDEX



	SHEET N ^o	DRAWING N ^o	DRAWING CONTENT
01.	01/12		Cover Page
02.	02/12		Drawing Index
03.	03/12		Site Analysis
04.	04/12		Site Photos
			VIA AFMADHOW ROAD
05.	05/12		Traverse Plan 1
06.	06/12		Traverse Plan 2
07.	07/12		Traverse Plan 3
			DALXISKA CAMP
08.	08/12		Traverse Plan 1
09.	09/12		Traverse Plan 2
10.	10/12		Traverse Plan 3
11.	11/12		Typical Road Cross-Section
12.	12/12		Solar Street Light Details and Specifications

SIGNED & STAMPED:



PROJECT. **PROPOSED INSTALLATION OF STREETLIGHTS (VIA AFMADHOW ROAD & DALXISKA CAMP) -KISMAYO DISTRICT-**

LABEL:	LOCATION:
A N 0° 31' 0.31" E 042° 3' 49.25"	Point A - Start Point
B N 0° 30' 59.64" E 042° 4' 6.16"	Point B - Mid Point
C N 0° 30' 55.92" E 042° 4' 23.86"	Point C - End Point

PROJECT LIMITS
(Length = 4 Kilometers)
TOTAL STREETLIGHTS = 100 Units

SCALE	NTS
DATE	SEPT. 2017
DRAWN BY:	J. NANDWA
REVIEWED BY:	J. NANDWA
APPROVED BY:	

DRAWING TITLE:	SITE ANALYSIS
DRAWING N ^o :	
PROJECT N ^o :	
IOM GRANT N ^o :	KIS070

SITE ANALYSIS

SHEET N^o: **03/12** A3

Imagery Date: 3/5/2015 0°30'58.11" N 42°04'07.98" E elev 67 ft eye alt 3694 ft



PROJECT. **PROPOSED INSTALLATION OF
STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-**

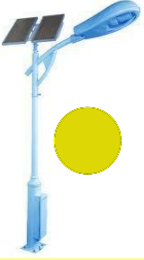
SCALE	NTS
DATE	SEPT. 2017
DRAWN BY: J. NANDWA	
REVIEWED BY: J. NANDWA	
APPROVED BY:	

DRAWING TITLE: SITE PHOTOS
DRAWING N ^o :
PROJECT N ^o :
IOM GRANT N ^o : KIS070

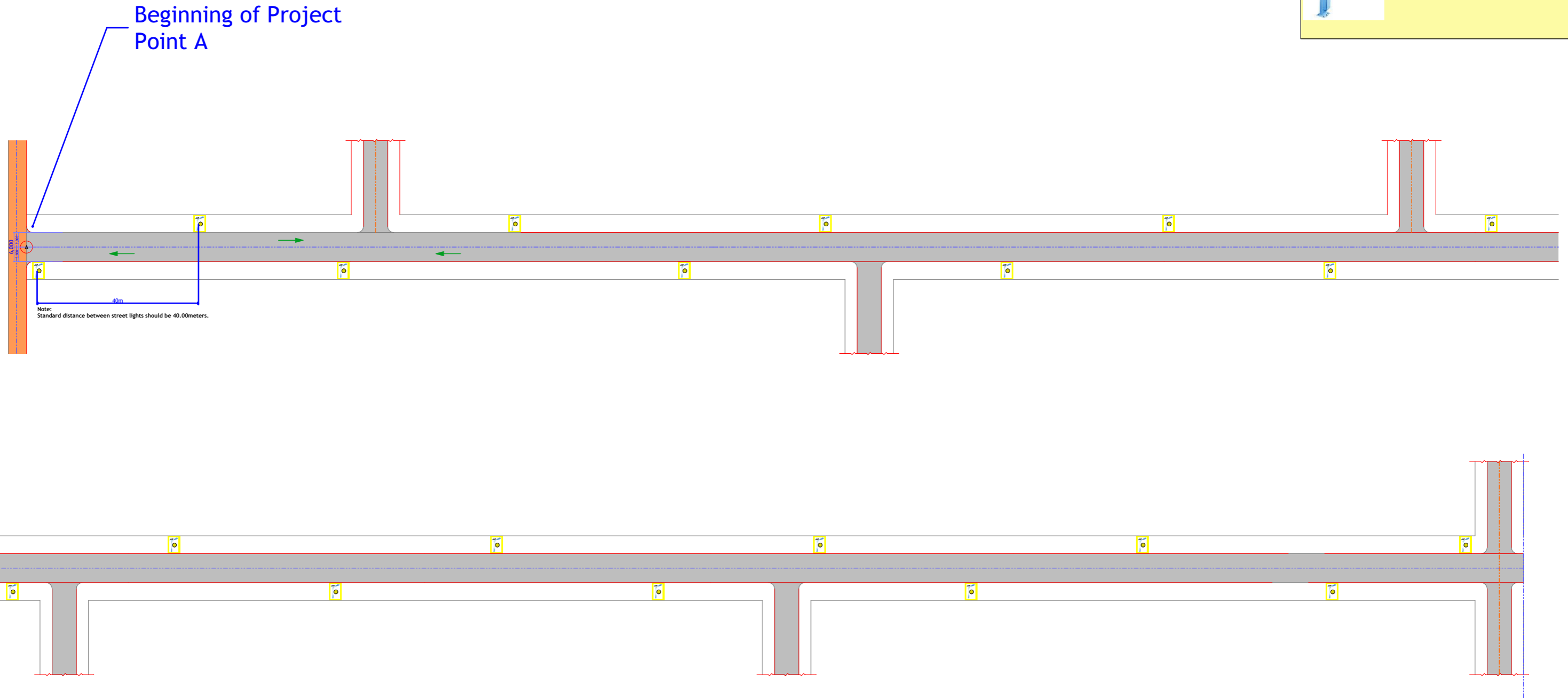
SITE PHOTOS
SHEET N ^o : 04/12

FULL - STRETCH TRAVERSE PLAN (Length = 0.8 Kilometers) Via Afmadhow road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(20 Units)



PROJECT. **PROPOSED INSTALLATION OF STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-**

SCALE: NTS
DATE: SEPT. 2017

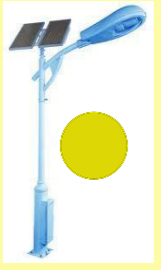
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE:
TRAVERSE PLAN
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

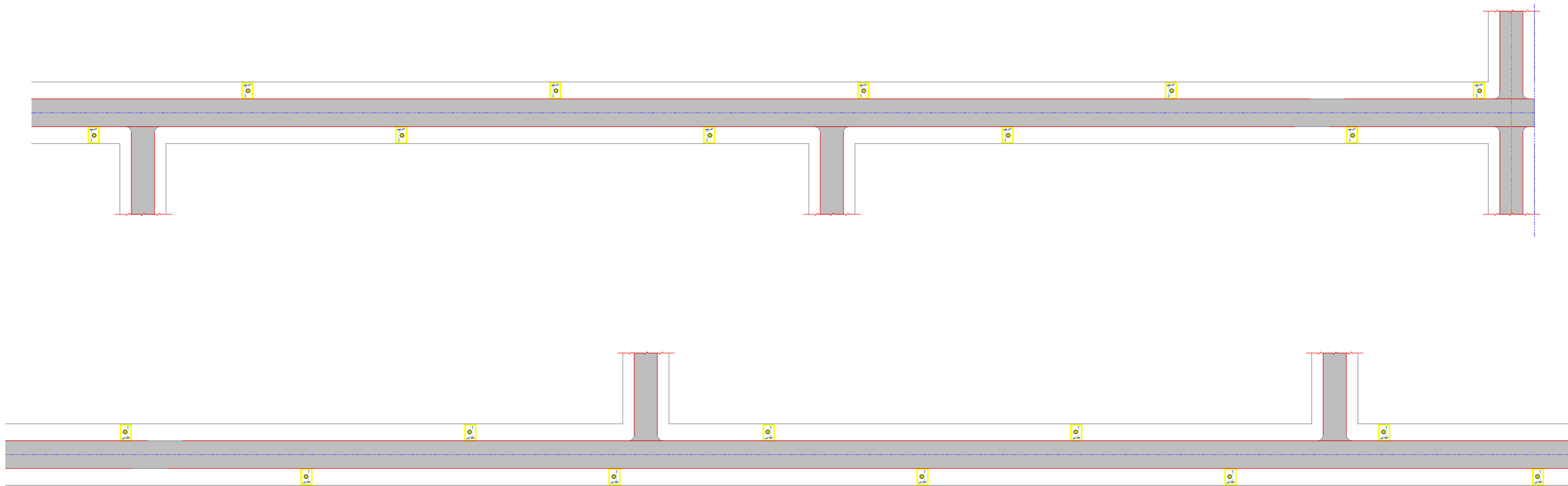
TRAVERSE PLAN
SHEET N^o:
05/12 A3

FULL - STRETCH TRAVERSE PLAN (Length = 0.8 Kilometers) Via Afmadhow road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(20 Units)



PROJECT. **PROPOSED INSTALLATION OF STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-**

SCALE: NTS
DATE: SEPT. 2017

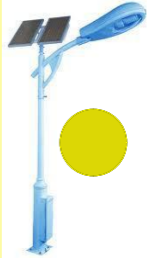
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE:
TRAVERSE PLAN 2
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

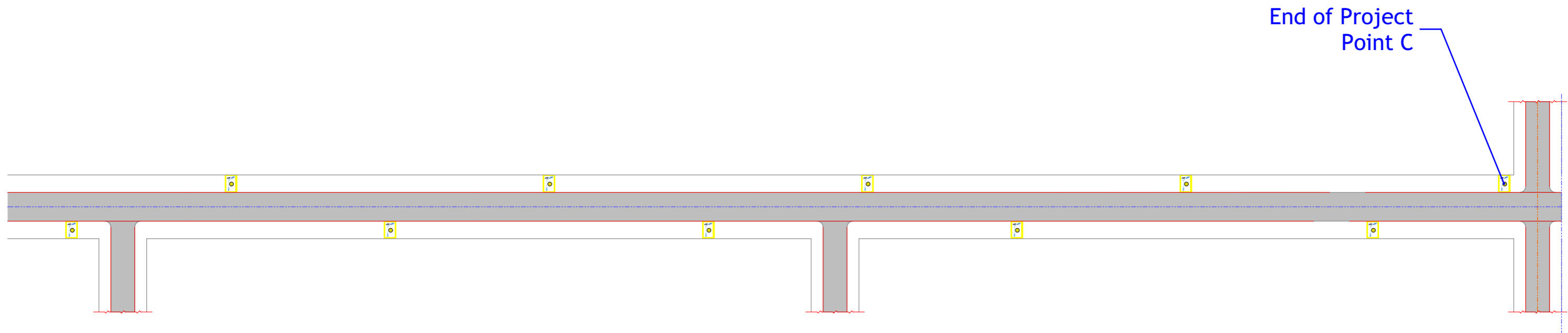
TRAVERSE PLAN
SHEET N^o:
06/12 A3

FULL - STRETCH TRAVERSE PLAN (Length = 0.4 Kilometers) Via Afmadhow road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT (10 Units)



PROJECT. PROPOSED INSTALLATION OF STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-

SCALE: NTS
DATE: SEPT. 2017

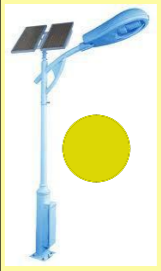
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE:
TRAVERSE PLAN 3
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

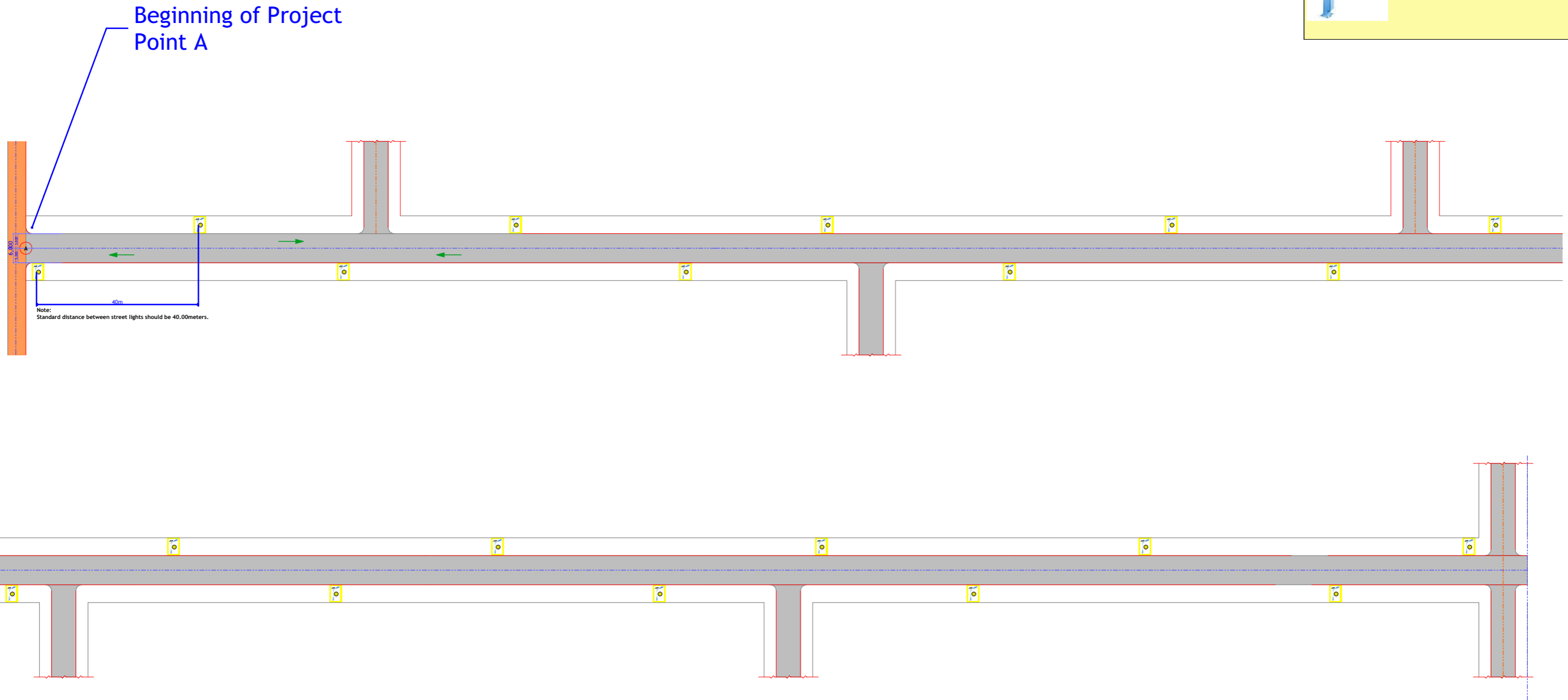
TRAVERSE PLAN
SHEET N^o:
07/12 A3

FULL - STRETCH TRAVERSE PLAN (Length = 0.8 Kilometers) Dalxiska Camp road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(20 Units)



PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-

SCALE: NTS
DATE: SEPT. 2017

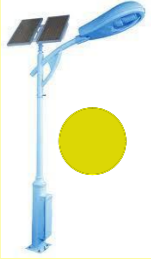
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE:
TRAVERSE PLAN
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

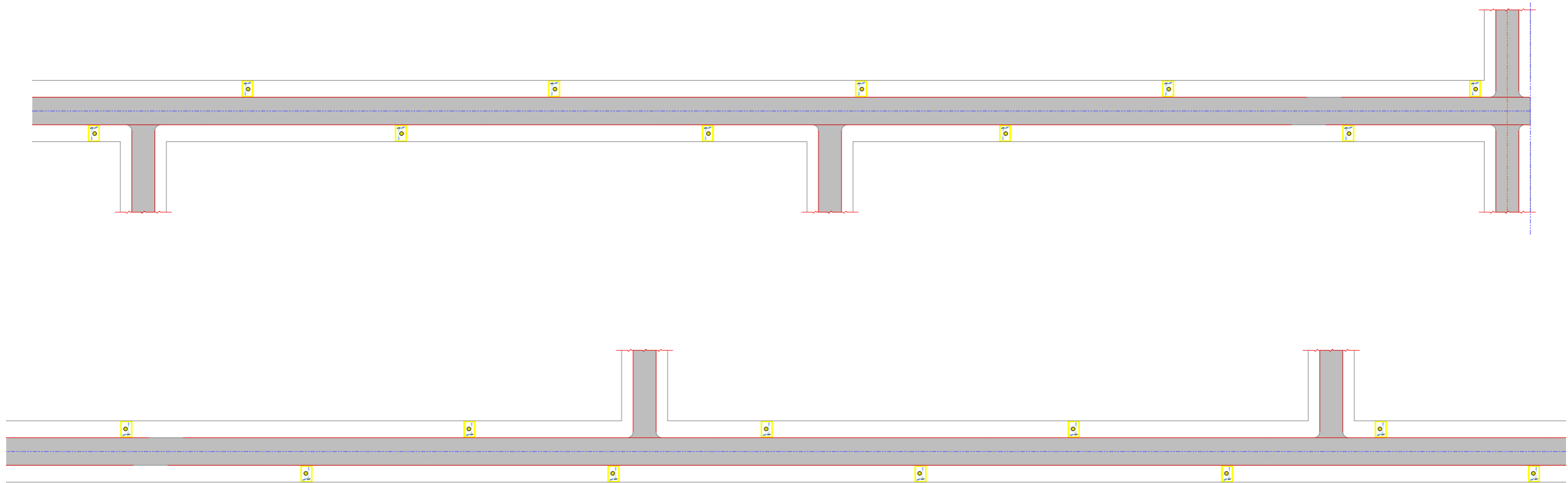
TRAVERSE PLAN
SHEET N^o:
08/12 A3

FULL - STRETCH TRAVERSE PLAN (Length = 0.8 Kilometers) Dalxiska Camp road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(20 Units)



PROJECT. **PROPOSED INSTALLATION OF
STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-**

SCALE: NTS
DATE: SEPT. 2017

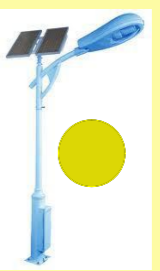
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE:
TRAVERSE PLAN 2
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

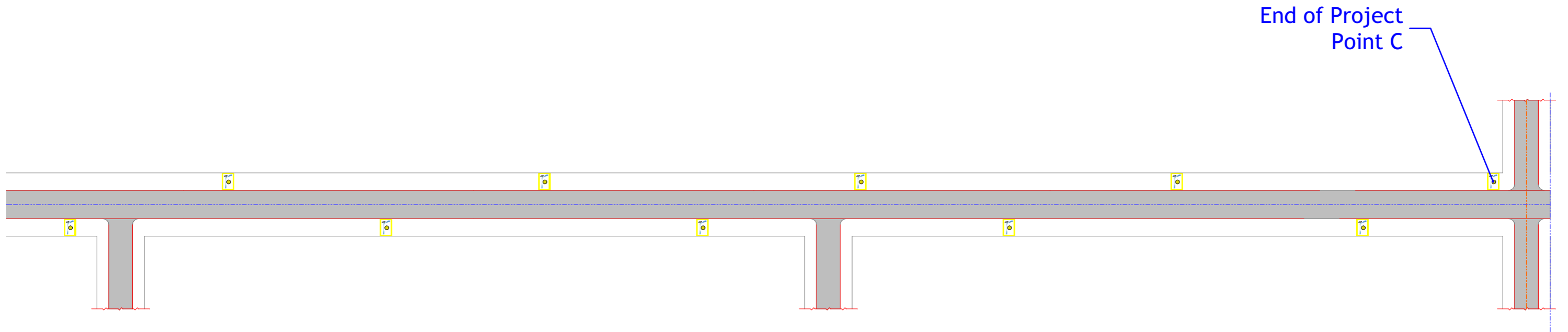
SHEET N^o:
09/12 A3

FULL - STRETCH TRAVERSE PLAN (Length = 0.4 Kilometers) Dalxiska Camp road

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(10 Units)



PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-

SCALE: NTS
DATE: SEPT. 2017

DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

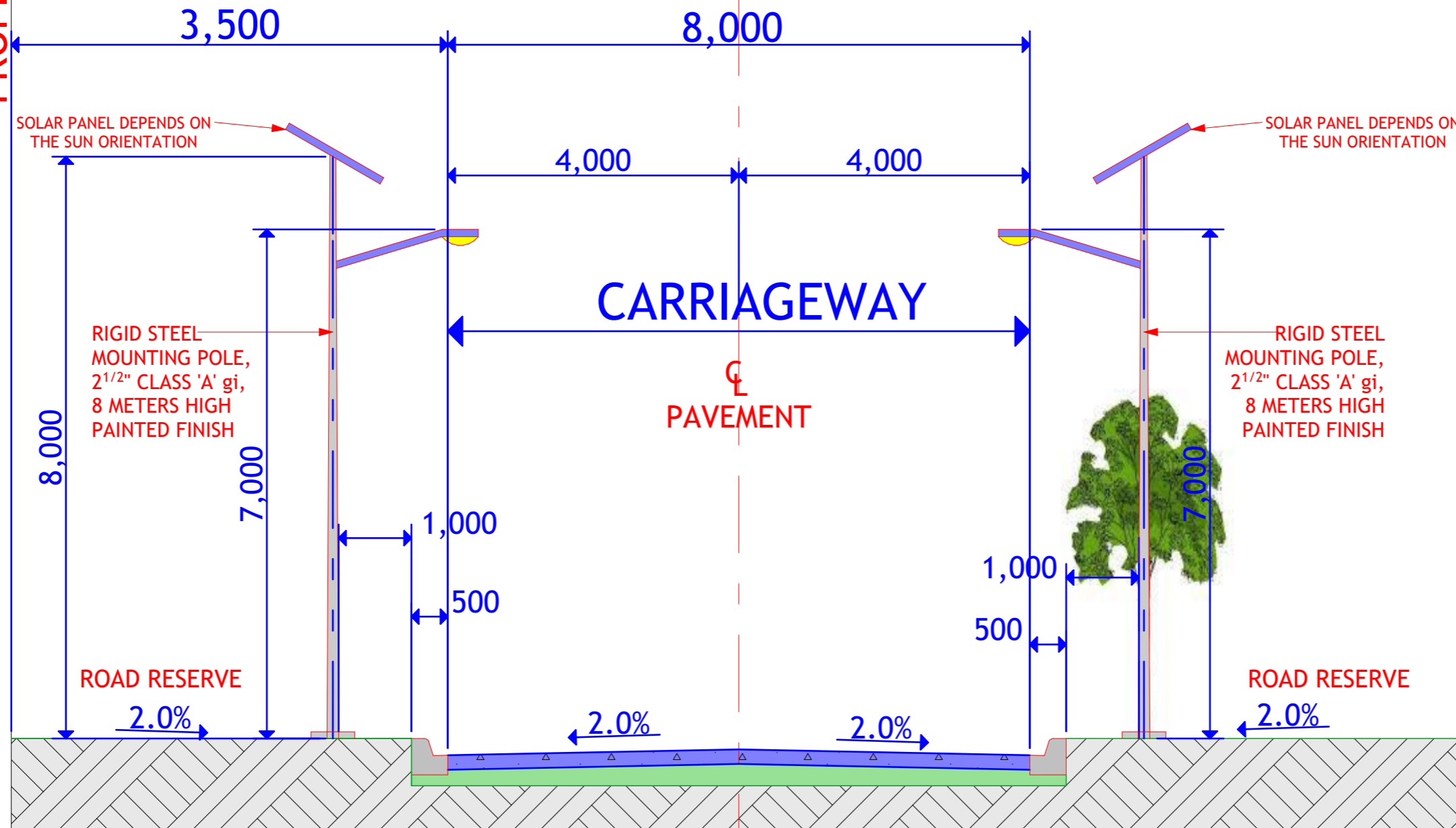
DRAWING TITLE:
TRAVERSE PLAN 3
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

TRAVERSE PLAN
SHEET N^o:
10/12 A3

PROPERTY LINE

PROPERTY LINE

ROAD RIGHT OF WAY



TYPICAL ROAD CROSS - SECTION

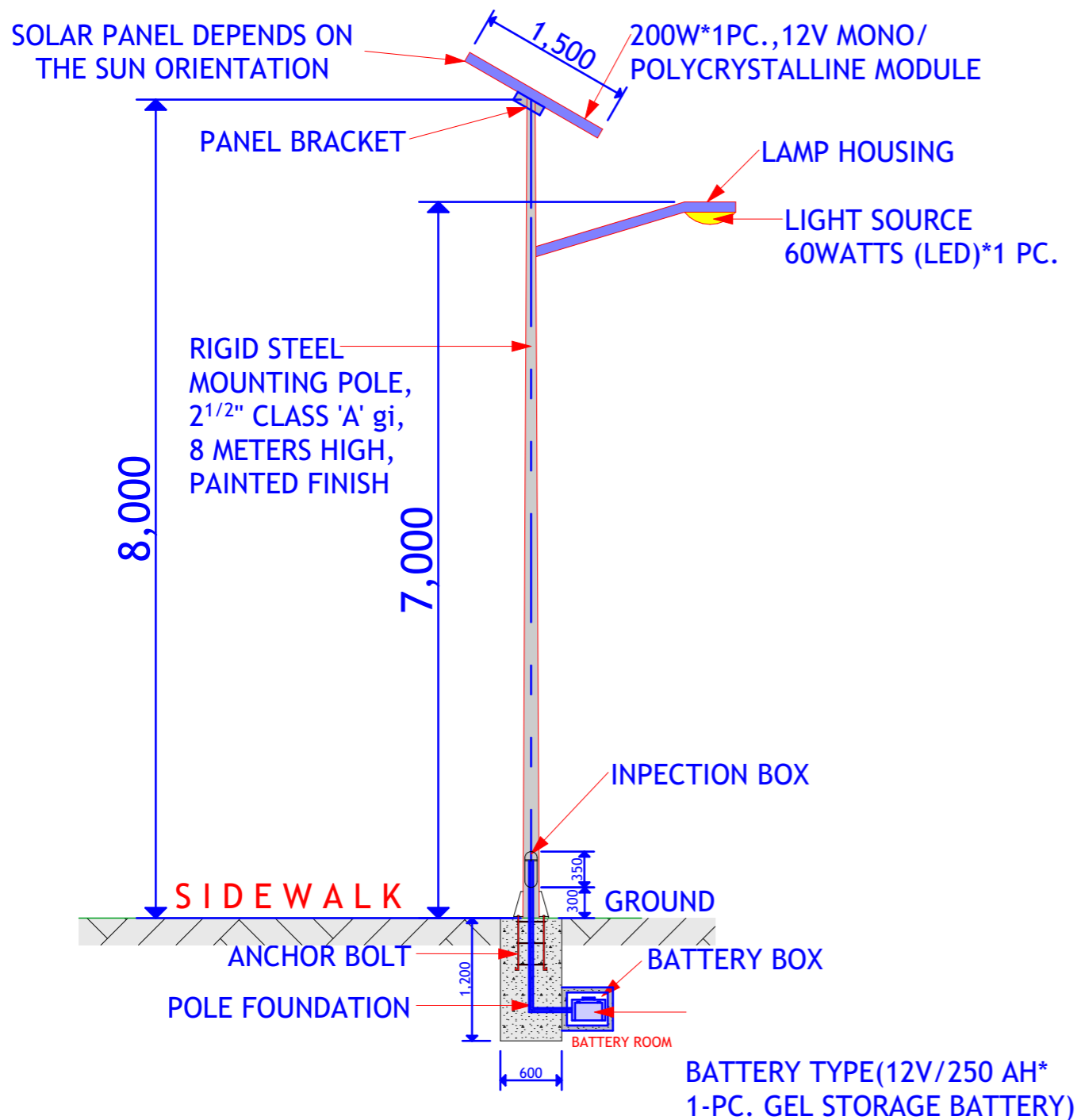
PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-

SCALE: NTS
DATE: SEPT. 2017

DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

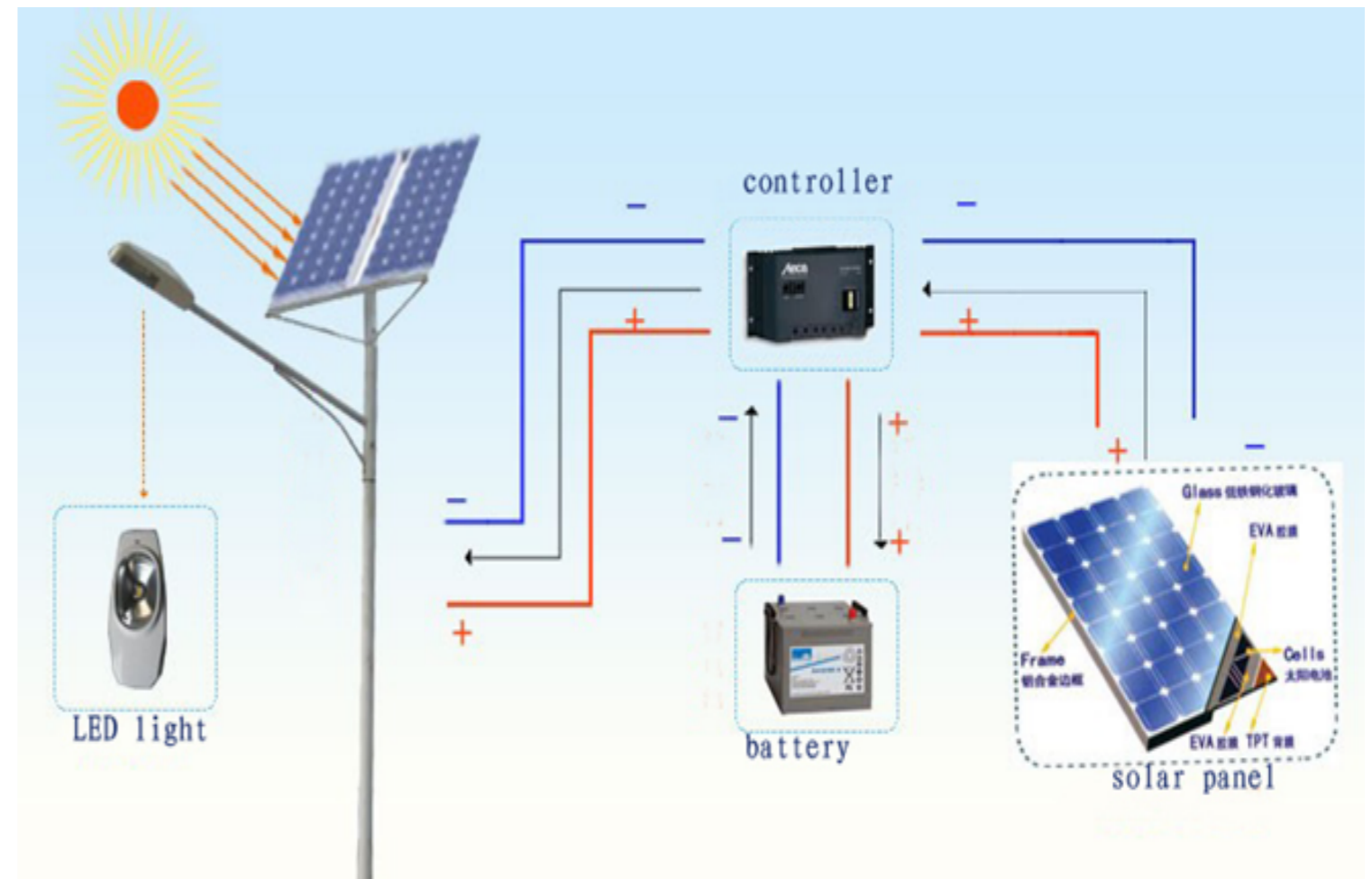
DRAWING TITLE:
ROAD CROSS-SECTION
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:
KIS070

ROAD CROSS-SECTION
SHEET N^o:
11/12 A3



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



PROJECT. PROPOSED INSTALLATION OF STREETLIGHTS
(VIA AFMADHOW ROAD & DALXISKA CAMP)
-KISMAYO DISTRICT-

SCALE: NTS
DATE: SEPT. 2017
DRAWN BY: J. NANDWA
REVIEWED BY: J. NANDWA
APPROVED BY:

DRAWING TITLE: DETAILS & SPECIFICATIONS
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o: KIS070

DETAILS & SPECS

SHEET N^o:

12/12

A3