



BELET XAWA DISTRICT

PROJECT:

PROPOSED INSTALLATION OF STREETLIGHTS - BELET XAWA DISTRICT -

CONSULTANT



IOM International Organization for Migration
OIM Organisation Internationale pour les Migrations
OIM Organización Internacional para las Migraciones

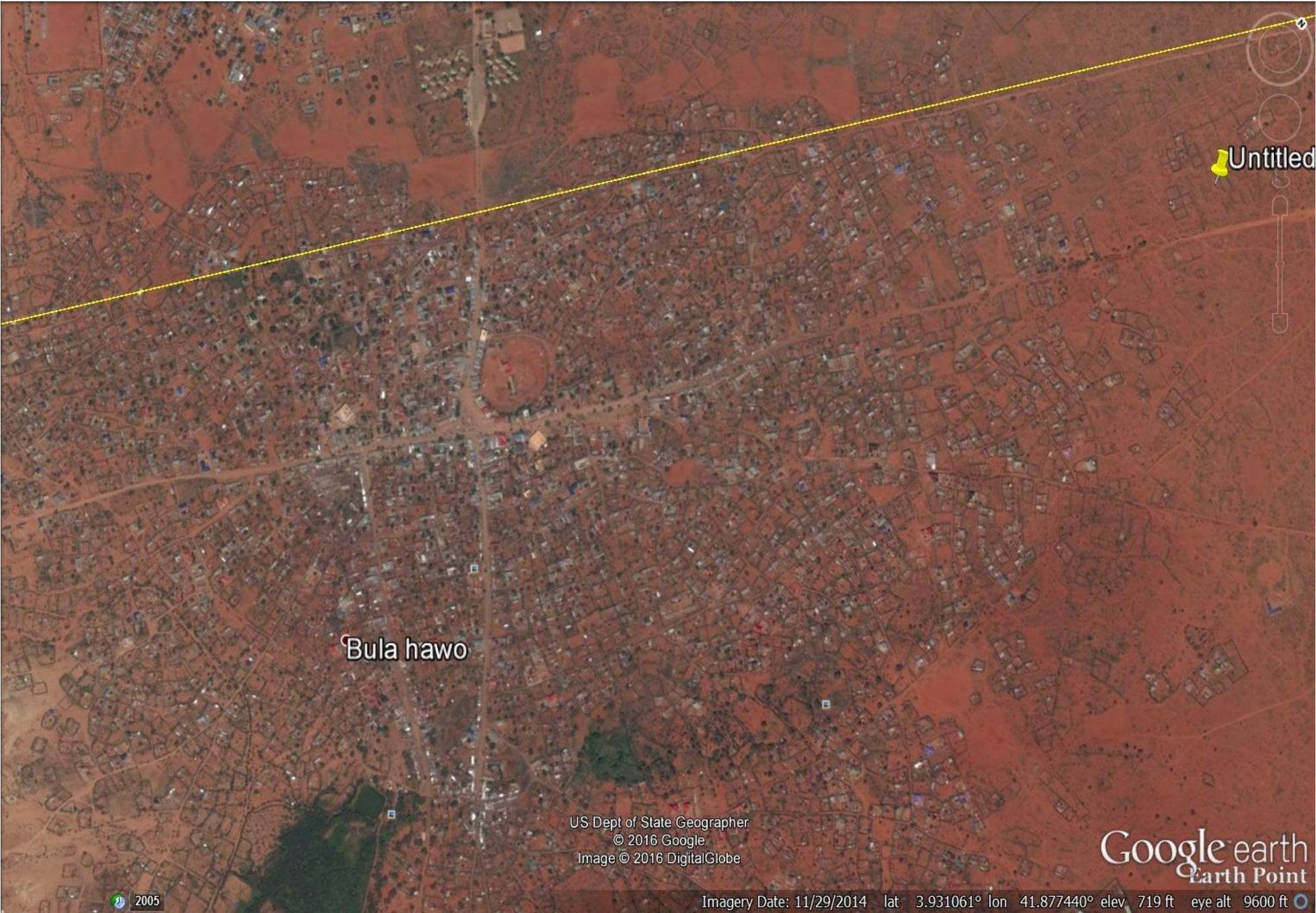
SOMALI STABILIZATION INITIATIVES

GOVERNMENT



SOMALI REPUBLIC
Federal Government

SIGNED & STAMPED:



LABEL:	LOCATION:
A N 03 56 34.7228" E 041 52 57.0473"	Point A - Start Point
B N 03 55 42.8279" E 041 52 26.4102"	Point B - Mid Point
C N 03 55 3.1606" E 041 51 59.1035"	Point C - End Point

PROJECT LIMITS(Length=2 Kilometers)

SITE PHOTOS



PROJECT.
PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

SCALE	NTS
DATE	DECEMBER 2016
DRAWN BY:	J. NANDWA
REVIEWED BY:	J. NANDWA
APPROVED BY:	

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

SITE ANALYSIS
SHEET N ^o :
03/07
A3



PROJECT.

PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

SCALE	NTS
DATE	DECEMBER 2016
DRAWN BY: J. NANDWA	
REVIEWED BY: J. NANDWA	
APPROVED BY:	

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

SITE PHOTOS

SHEET N^o:


04/07

A3

FULL - STRETCH TRAVERSE PLAN

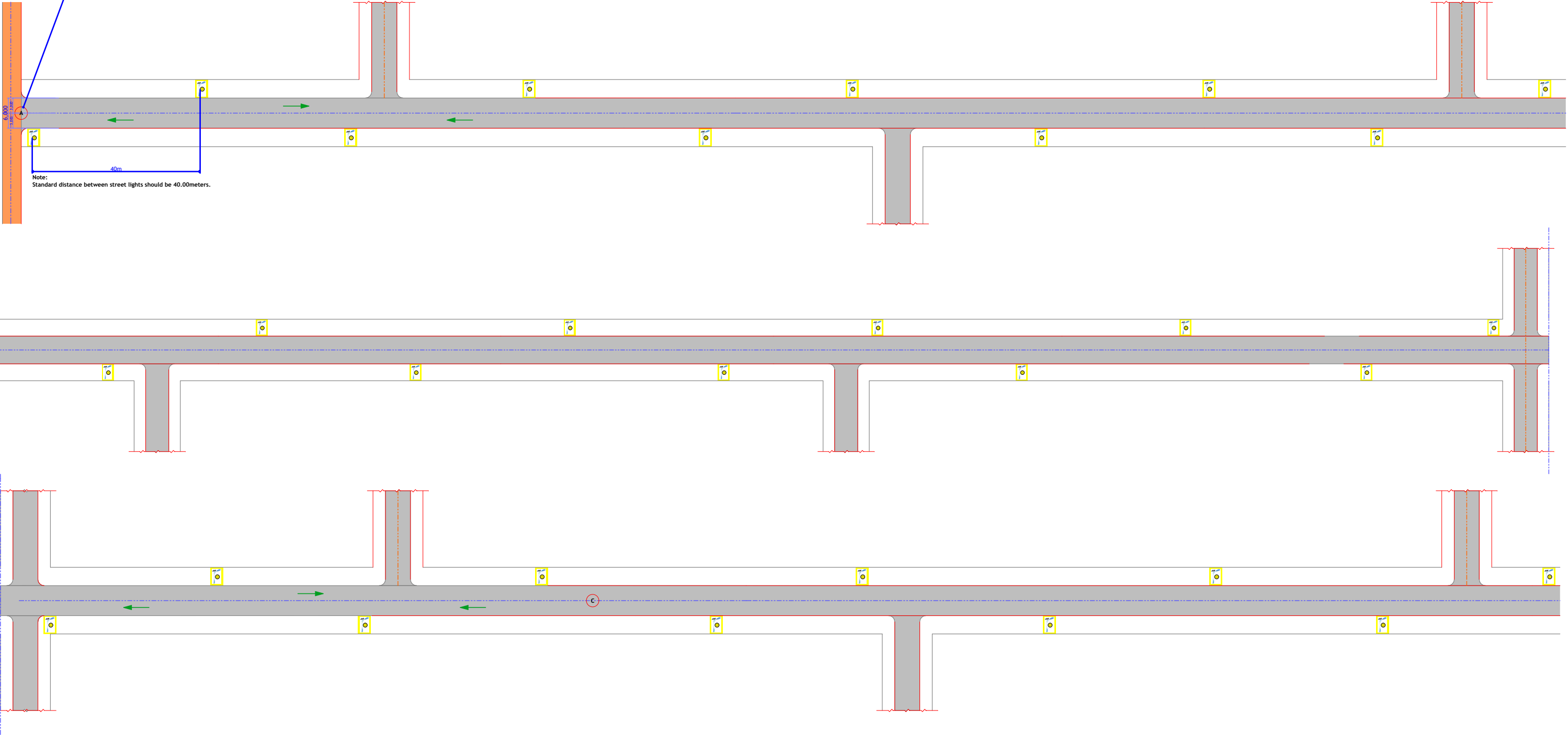
(Length=2 Kilometers)

LEGEND:



PROPOSED LOCATION OF SOLAR STREET LIGHT
(50 Units)

Beginning of Project
Point A



PROJECT.

PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

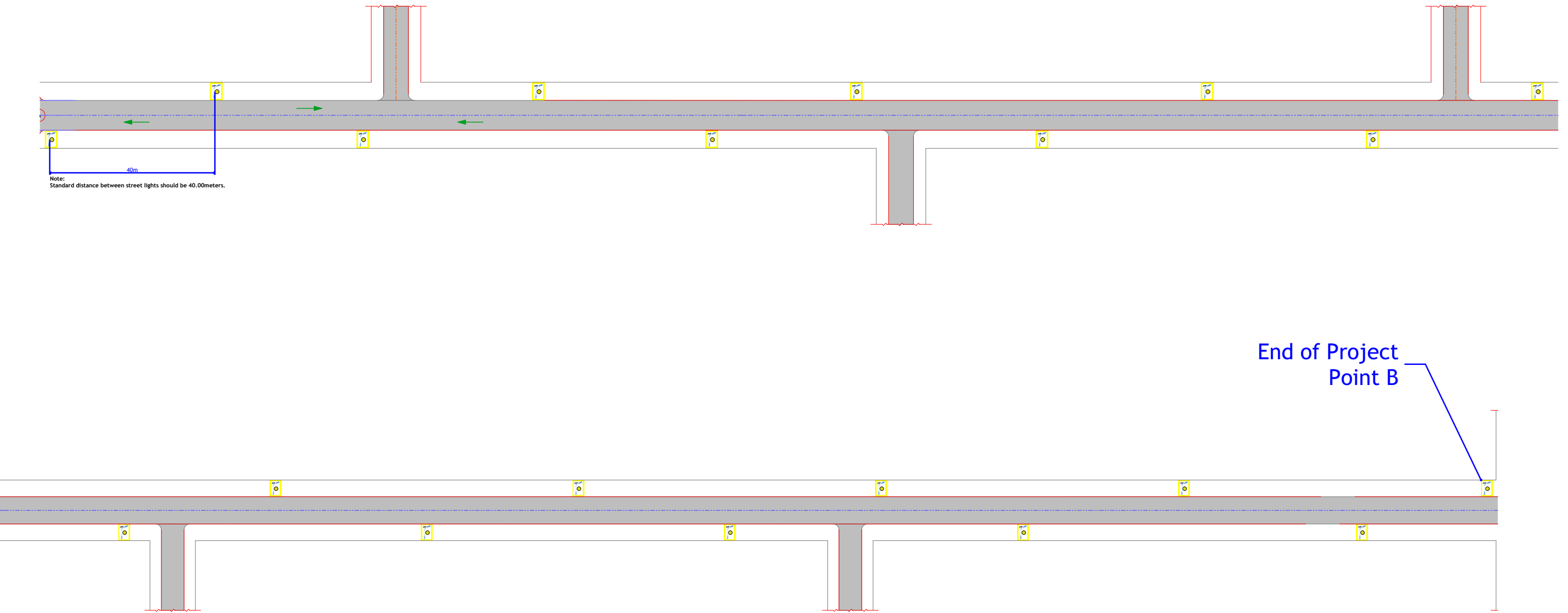
SCALE	NTS
DATE	DECEMBER 2016
DRAWN BY: J. NANDWA	
REVIEWED BY: J. NANDWA	
APPROVED BY:	

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

TRAVERSE PLAN
SHEET N ^o :
05/07
A3

FULL - STRETCH TRAVERSE PLAN

(Length=2 Kilometers)



PROJECT.

PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

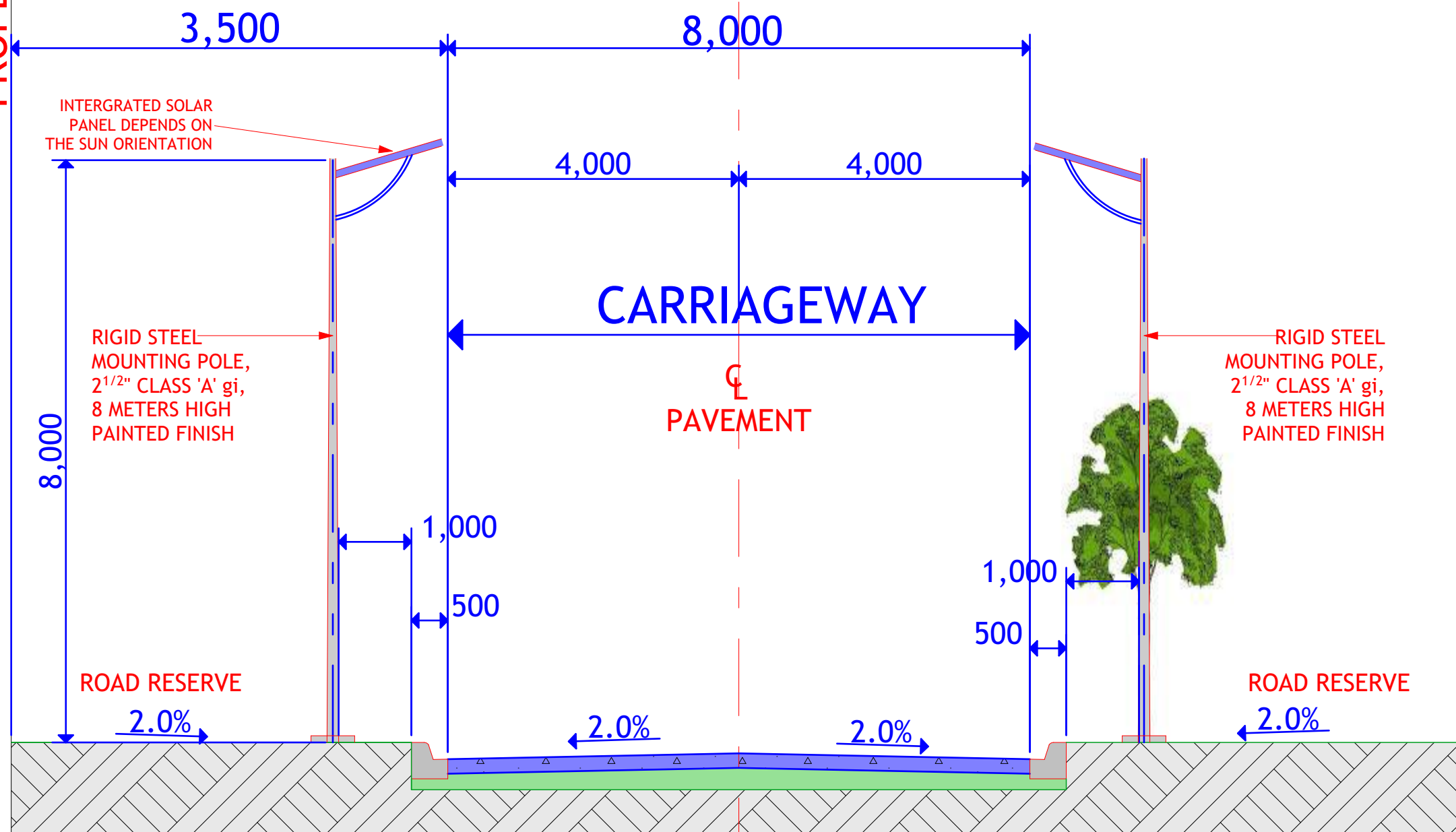
SCALE	NTS
DATE	DECEMBER 2016
DRAWN BY: J. NANDWA	
REVIEWED BY: J. NANDWA	
APPROVED BY:	

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

SHEET N ^o :

A3

PROPERTY LINE



PROPERTY LINE

TYPICAL ROAD CROSS - SECTION

PROJECT.
PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

SCALE	NTS
DATE	DECEMBER 2016
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 :

ROAD CROSS-SECTION

SHEET N^o:

06/07

A3

SOLAR PANEL DEPENDS ON THE SUN ORIENTATION

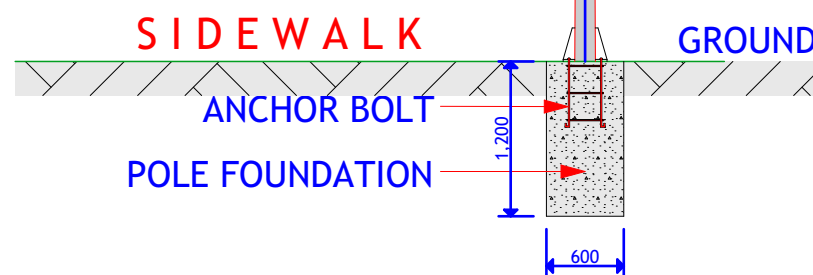
1PC., 18V60W MONO/CRYSTALLINE SILICON MODULE

PANEL BRACKET

LAMP HOUSING

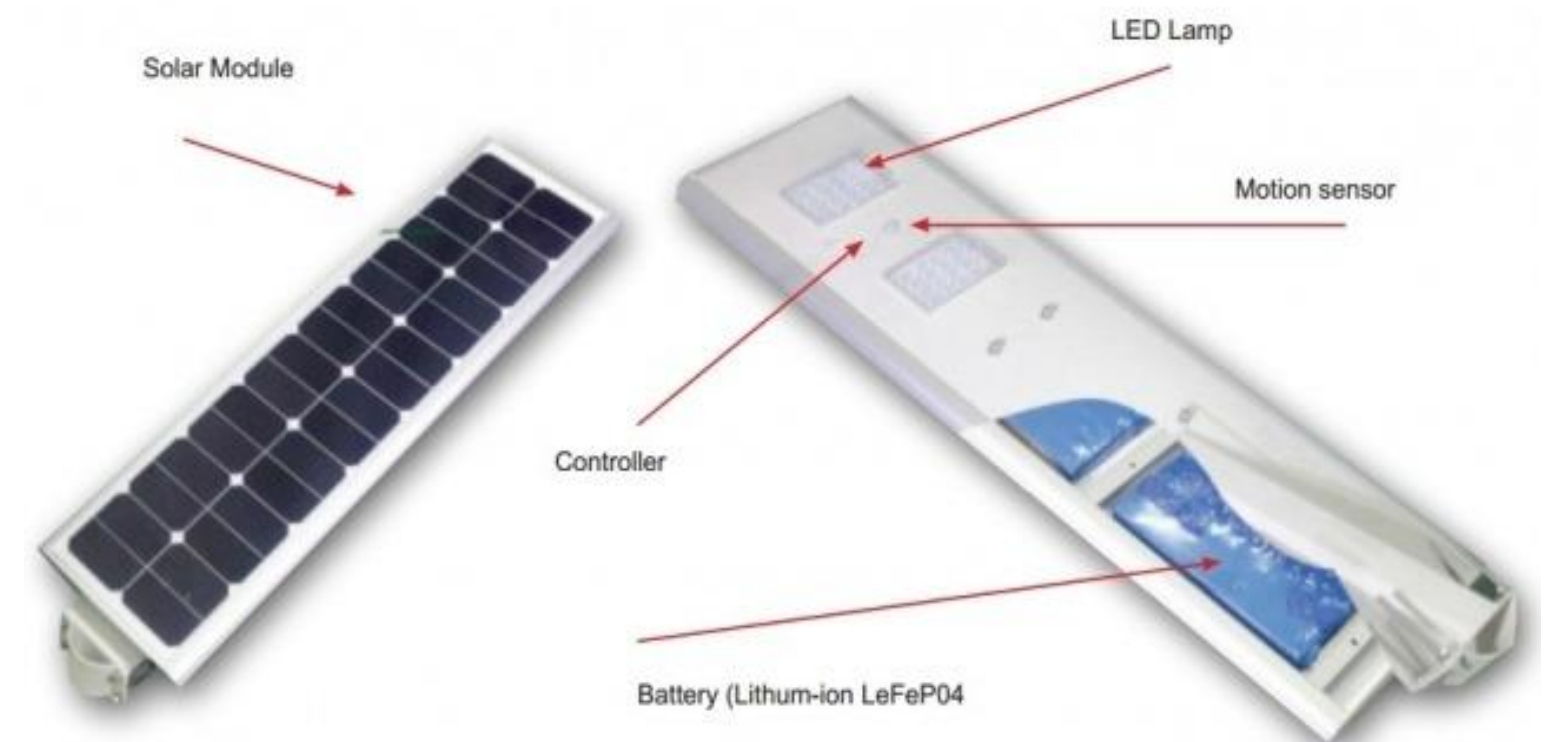
LIGHT SOURCE
60WATTS (LED)*1 PC.

RIGID STEEL MOUNTING POLE,
2 1/2" CLASS 'A' gi,
8 METERS HIGH,
PAINTED FINISH



INTERGRATED SOLAR STREET LIGHT (AS PER MANUFACTURER'S DETAILS)

Integrated Solar Street Light (30W)		
Solar panel	Max power	18V60W (monocrystalline silicon)
	Life time	25 years
Battery	Type	lithium battery 12.8V24AH
	Life time	5 years
LED Lamp (with sensor)	Max power	12V 30W
	led chip brand	Bridgelux from USA with high brightness
	lumen (LM)	3000-3300lm
	Life time	50000hours
Charge time	by sun	6 hours (with enough strong shine)
	full power	more 10 hours
Discharge time	saving mode	more 20 hours
	range(°C)	-30℃~+70℃
working Temperature	range(k)	6000k
colour temperature	range (m)	6-7m
mounting height	range (m)	18-20m
space between light	aluminium alloy	
Lamps material of main	CE / ROHS / IP65	
Certificate	2years	
warranty period		



PROJECT.
PROPOSED INSTALLATION OF
STREETLIGHTS ALONG MAIN ROAD

-BELET XAWA
DISTRICT-

SCALE NTS
DATE DECEMBER 2016

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

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

DETAILS & SPECS

SHEET N^o:

07/07

A3