



GARBAHAREY DISTRICT

PROJECT:

PROPOSED INSTALLATION OF STREETLIGHTS - GARBAHAREY DISTRICT -

IMPLEMENTED



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

PROPOSED INSTALLATION OF STREETLIGHTS
- GARBAHAREY DISTRICT -

FEBRUARY 2017

PROJECT N⁰:

IOM GRANT N^o:

DRAWING INDEX

[illegible]

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

Police Station Road 730M	
LABEL:	LOCATION:
A N 03 19.560" E 042 13.340"	Point A - Start Point
B N 03 19.732" E 042 13.288"	Point B - Mid Point
C N 03 19.893" E 042 13.235"	Point C - End Point

Market School Road 770M	
LABEL:	LOCATION:
A N 03 19.762" E 042 12.997"	Point A - Start Point
B N 03 19.819" E 042 13.168"	Point B - Mid Point
C N 03 19.881" E 042 13.356"	Point C - End Point

PROJECT LIMITS(Length
2.2 Kilometers)

PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS

-GARBAHAREY-
DISTRICT-

SCALE	NTS
DATE	FEBRUARY 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 :

SITE ANALYSIS
SHEET N ^o :
03/07
A3



PROJECT. PROPOSED INSTALLATION OF STREETLIGHTS
-GARBAHAREY-DISTRICT-

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DRAWN BY: J. NANDWA	
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APPROVED BY:	

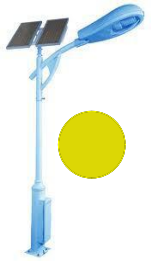
DRAWING TITLE:
SITE PHOTOS
DRAWING N ^o :
PROJECT N ^o :
IOM GRANT N ^o :

SITE PHOTOS
SHEET N ^o :
04/07
A3

TAALADDA ROAD

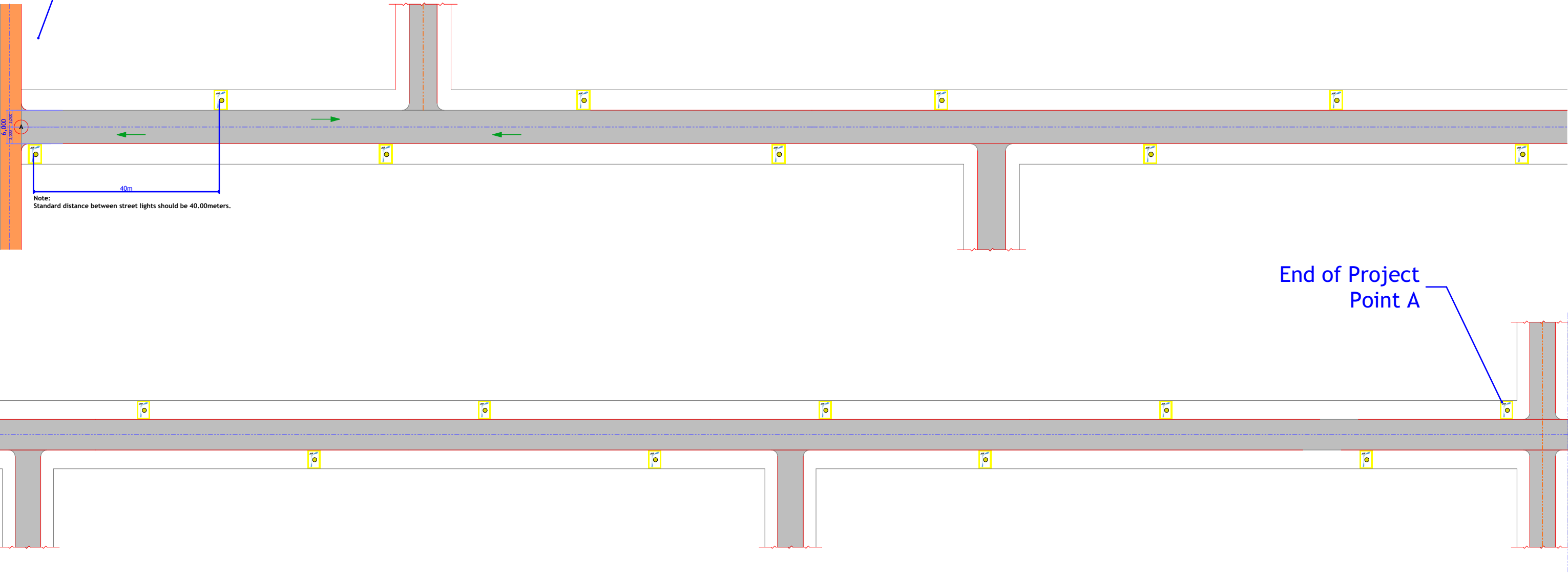
FULL - STRETCH TRAVERSE PLAN
(Length=0.7 Kilometers)

LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(18 Units)

Beginning of Project
Point A



End of Project
Point A

PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
-GARBAHAREY-
DISTRICT-

SCALE	NTS
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APPROVED BY:	

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

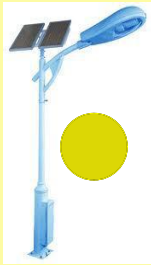
TRAVERSE PLAN
SHEET N ^o :
05/07
A3

POLICE STATION ROAD

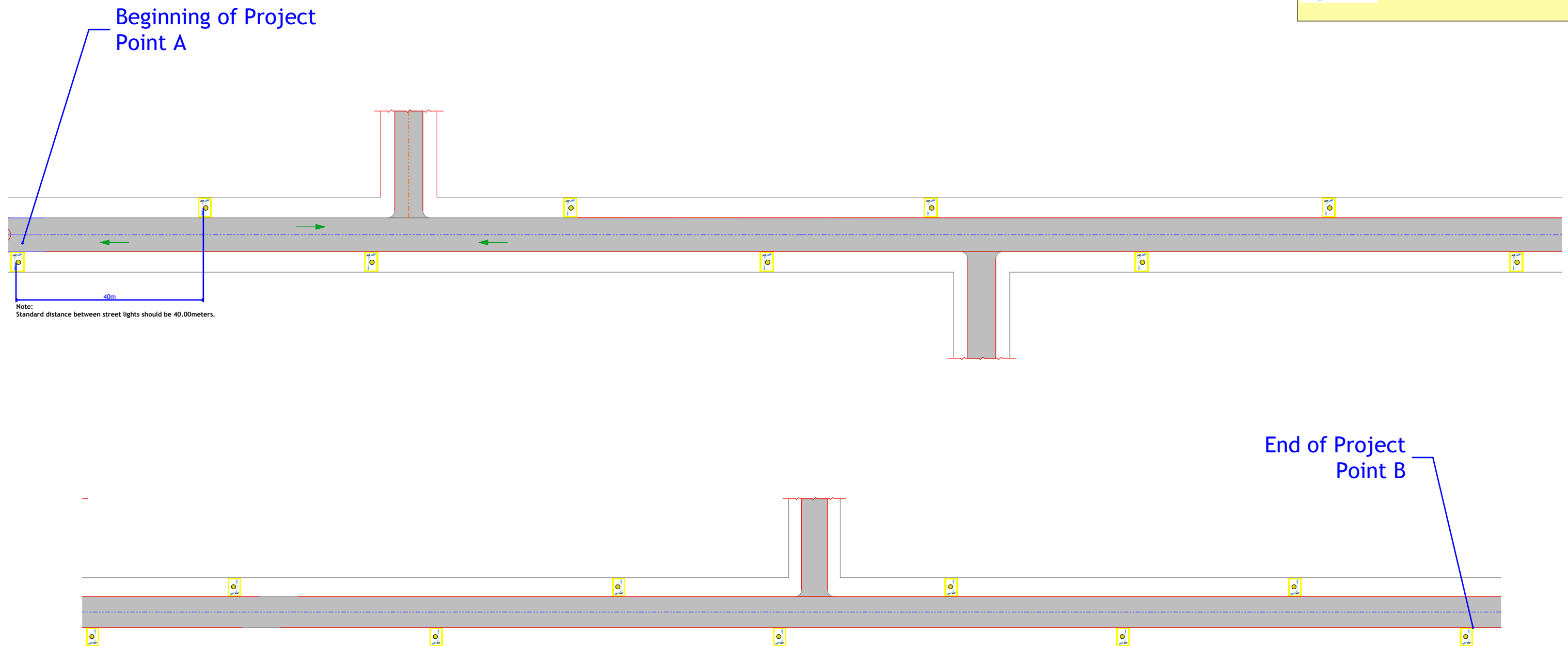
FULL - STRETCH TRAVERSE PLAN

(Length=2 Kilometers)

LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(18 Units)



PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
-GARBAHAREY-
DISTRICT-

SCALE	NTS
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REVIEWED BY:	J. NANDWA
APPROVED BY:	

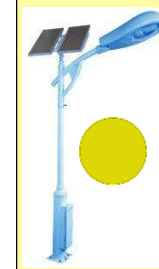
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TRAVERSE PLAN 2
DRAWING N ^o :
PROJECT N ^o :
IOM GRANT N ^o :

SHEET N^o:

MARKET-SCHOOL ROAD

FULL - STRETCH TRAVERSE PLAN (Length=2 Kilometers)

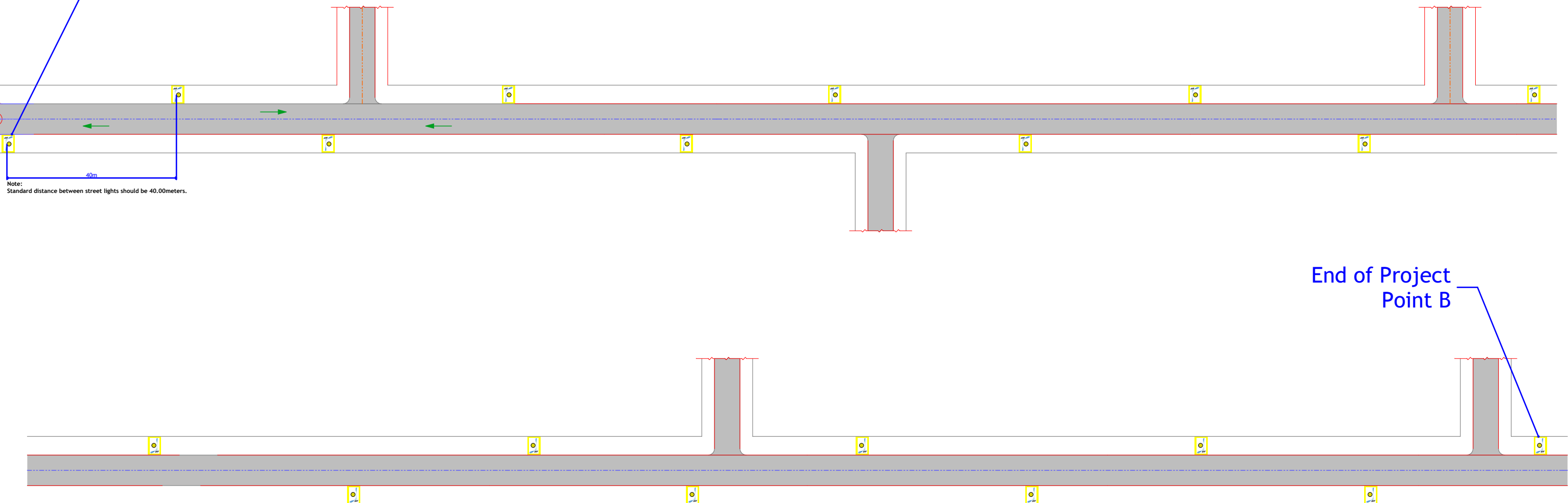
LEGEND:



PROPOSED LOCATION OF
SOLAR STREET LIGHT
(19 Units)

Beginning of Project
Point A

End of Project
Point B



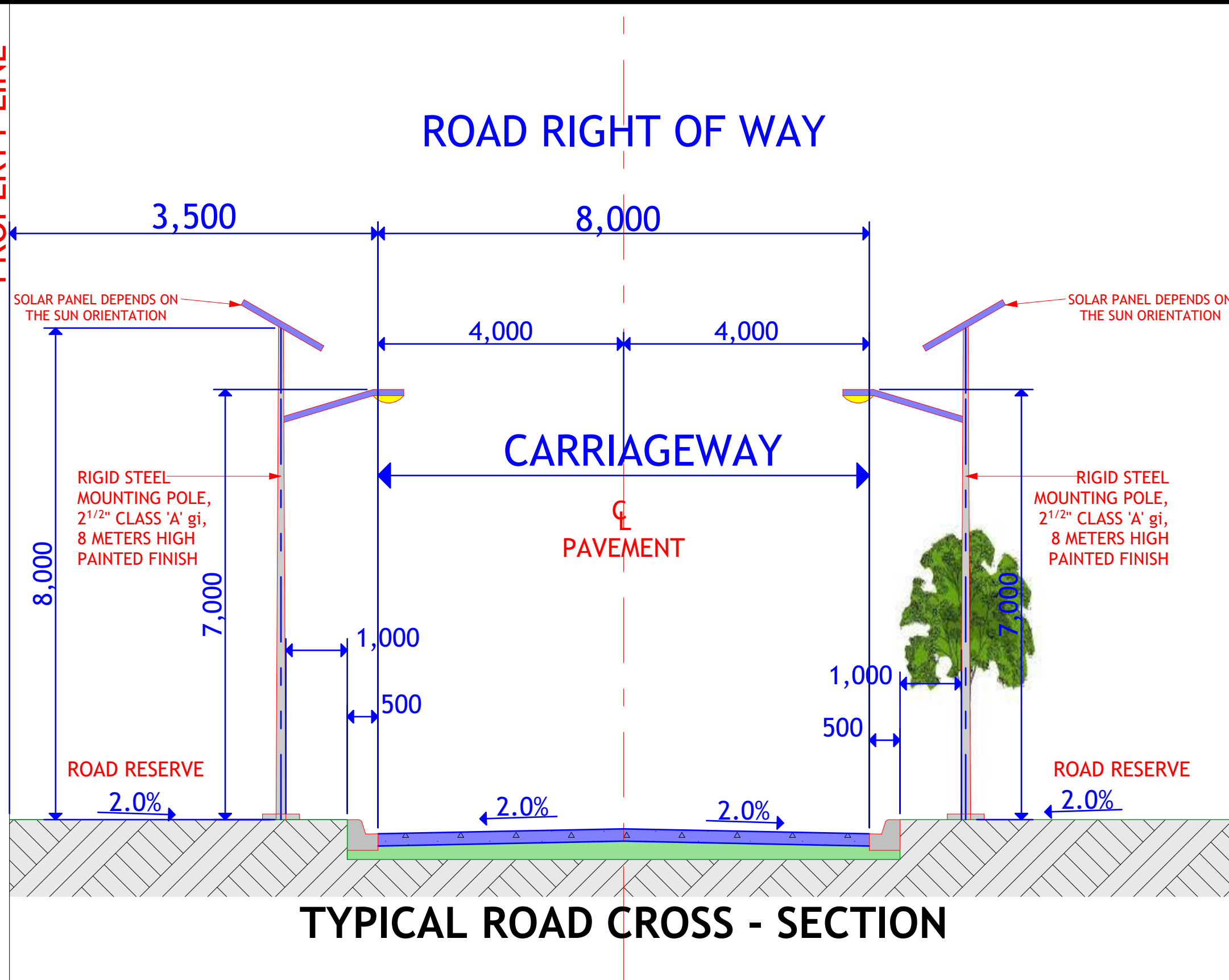
PROJECT. PROPOSED INSTALLATION OF
STREETLIGHTS
-GARBAHAREY-
DISTRICT-

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DRAWN BY: J. NANDWA	
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APPROVED BY:	

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

SHEET N^o:

PROPERTY LINE



PROPERTY LINE

TYPICAL ROAD CROSS - SECTION

PROJECT. PROPOSED INSTALLATION OF STREETLIGHTS
-GARBAHAREY-DISTRICT-

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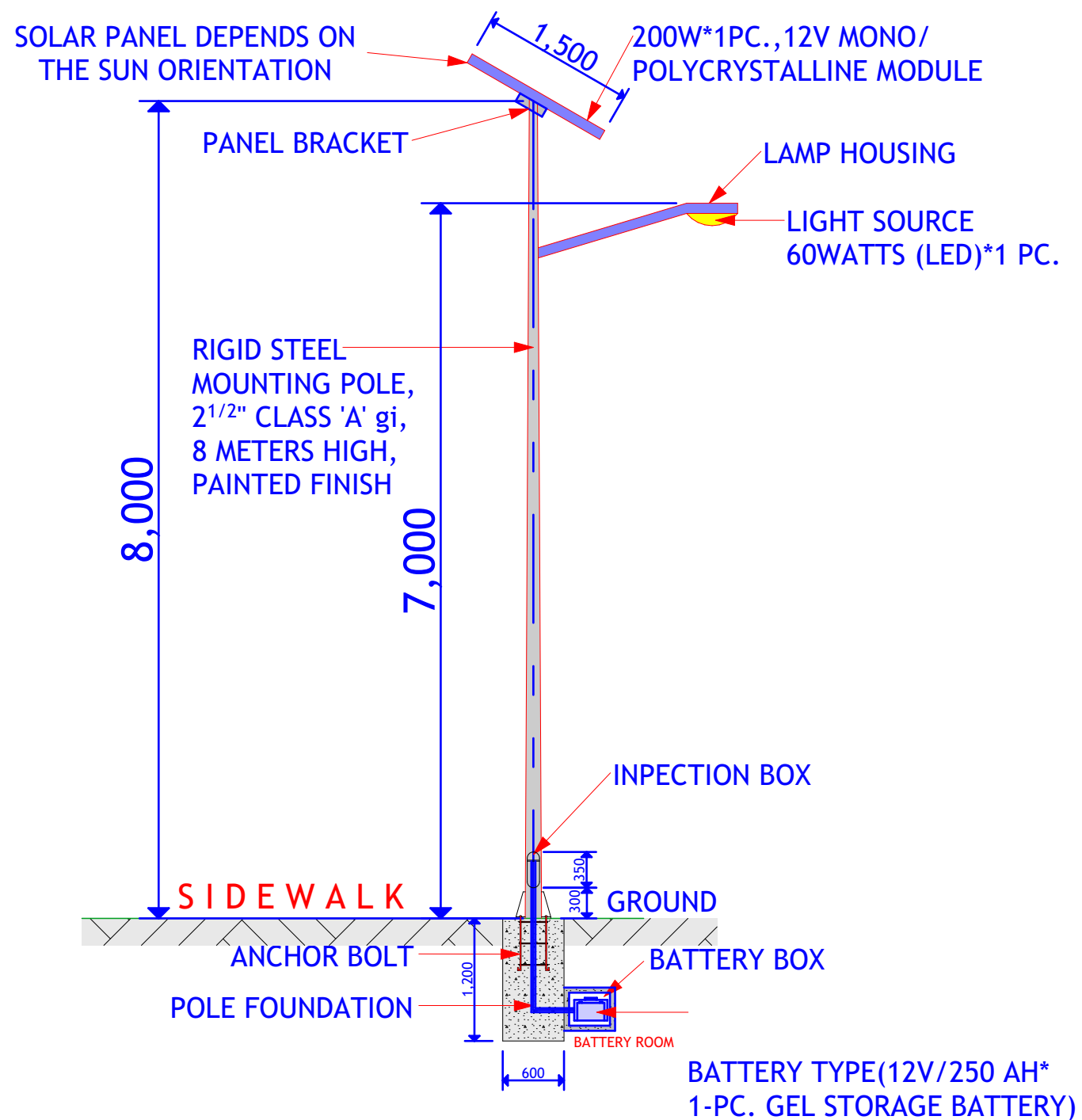
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ROAD CROSS-SECTION
DRAWING N^o:
PROJECT N^o:
IOM GRANT N^o:

ROAD CROSS-SECTION

SHEET N^o:

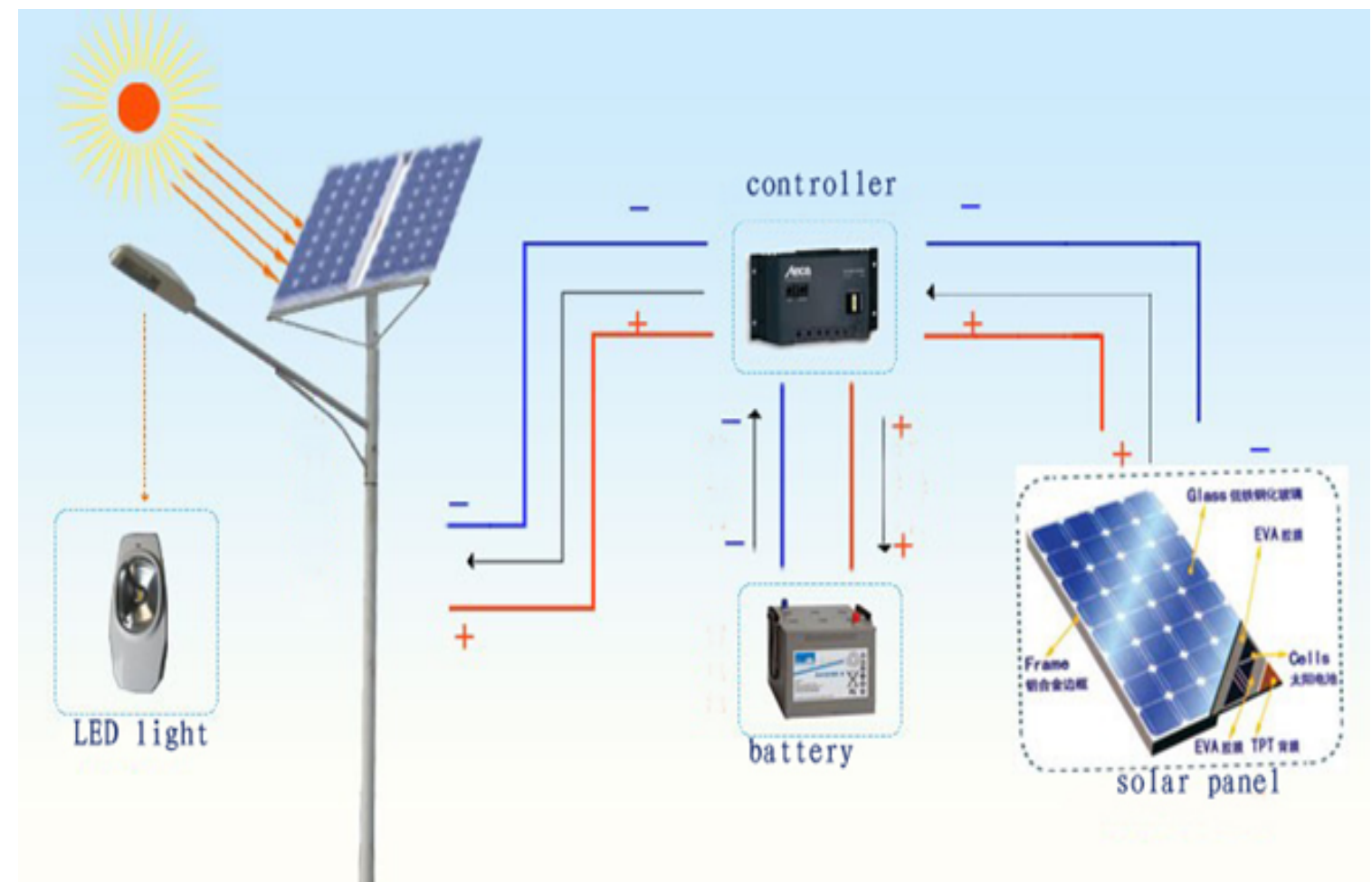
06/07

A3



SOLAR STREET LIGHT (AS PER MANUFACTURER'S DETAILS)

S O L A R L A M P		60W SINGLE LED SOLAR STREET LIGHT SYSTEM SPECIFICATION
ORDINAL NUMBER	C O M P O N E N T S	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



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DETAILS & SPECS
SHEET N^o:
07/07 A3