

Appendix J

Street Lighting Assessment - ACOR

Street Lighting Assessment

Randwick City Council Cycleway Links

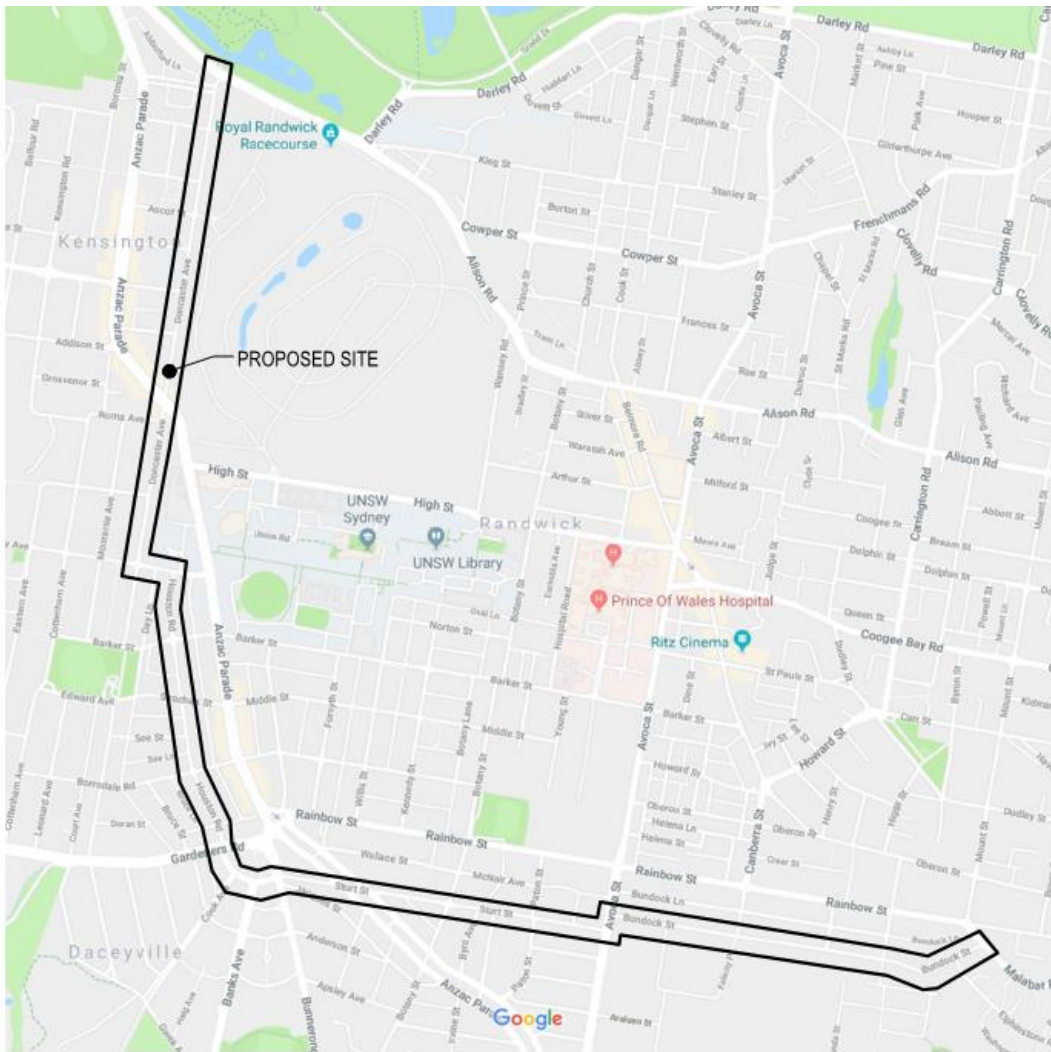
Centennial Park to Kingsford and Kingsford to South Coogee

Document No.: SY170970-EL-RP-001

Revision: B

ACOR Project No.: SY170970

Date: 17 May 2018



LOCALITY PLAN
N.T.S.

MAP DATA © 2017 GOOGLE

Disclaimer

This report has been prepared in accordance with the scope of services described in the contract or agreement between ACOR Consultants Pty Ltd and the Client. It relies upon data, surveys, measurements and results taken at or under the particular times and conditions specified herein. Changes to circumstances or facts after certain information or material has been submitted may impact on the accuracy, completeness or currency of the information or material. This report has been prepared solely for use by the Client, ACOR Consultants accepts no responsibility for its use by other parties without the specific authorization of ACOR Consultants Pty Ltd. ACOR Consultants Pty Ltd reserves the right to alter, amend, discontinue, vary or otherwise change any information, material or service at any time without subsequent notification. All access to, or use of, the information or material is at the user's risk and ACOR Consultants Pty Ltd accepts no responsibility for the results of any actions taken on the basis of information or material provided, nor for its accuracy, completeness or currency.

Issue	Date	Purpose	Prepared By	Reviewed By	Accepted By
A	13.02.18	Formal Issue	L. Wheeler	W. Nel	A. Hall
B	17.05.18	Formal Issue	L. Wheeler	W. Nel	A. Hall

Table of Contents

1. Executive Summary	3
2. Scope.....	4
2.1 <i>Scope of Works</i>	4
2.2 <i>Standards and Codes</i>	4
2.3 <i>Assessment Criteria</i>	4
3. Lighting Assessment	7
3.1 <i>Existing lighting installation</i>	7
3.2 <i>Lighting locations and condition</i>	7
3.3 <i>Illumination Levels and Findings</i>	7
Appendix A – Photos	10
Appendix B – Lux Meter Calibration Certificate	13
Appendix C – Illumination Level Mark-ups.....	14

1. Executive Summary

Randwick City Council are proposing to undertake 'streetscape' improvements, including a new cycleway from Centennial Park to Kingsford and Kingsford to South Coogee.

As part of these works, ACOR Consultants Pty Ltd (ACOR) has been engaged to carry out an assessment of the existing street / area lighting along the proposed cycleway routes from Centennial Park to Kingsford and from Kingsford to South Coogee.

Clause 3.3 'Pathways for Pedestrians or Cyclists' of AS/NZS 1158.3.1 stipulates that:

"Where the pathway forms part of a local road that is to be lit to subcategory P3, P4 or P5, no special lighting requirements apply other than those specified in Clause 3.2.1 for the whole of the road reserve."

Based on the assessment of the measured lighting levels, minimum subcategory P3 compliance is achieved in the majority of locations along the proposed cycleway routes. Where compliance with subcategory P3 is not currently achieved, multiple options have been proposed to rectify any non-compliances.

- Local trimming back of existing trees at impacted locations
- Providing additional luminaries at the identified locations

The above options will be explored further within the detailed design of the cycleway to ensure that the minimum subcategory P3 is achieved along the entire route.

Appendix C of this report contains detailed mark-ups of the recorded illumination data obtained during the site surveys.

2. Scope

2.1 Scope of Works

ACOR Consultants Pty Ltd (ACOR) has been engaged to carry out an assessment of the existing street / area lighting along the proposed cycleway routes from Centennial Park to Kingsford and from Kingsford to South Coogee.

The scope of works includes the following services:

- Afterhours site visits to measure existing lighting levels, as well as record the location and condition of existing luminaires along the proposed cycleway routes
- Lighting assessment report.

2.2 Standards and Codes

- AS 1158 - Lighting for roads and public spaces (Series)
- AS 4282 - Control of the obtrusive effects of outdoor lighting
- AS/NZS 3000 - Electrical installations
- AS/NZS 3008.1 - Electrical installations – Selection of cables
- NSW Installation and Service Rules

2.3 Assessment Criteria

Clause 3.3 'Pathways for Pedestrians or Cyclists' of AS/NZS 1158.3.1 stipulates that:

"Where the pathway forms part of a local road that is to be lit to subcategory P3, P4 or P5, no special lighting requirements apply other than those specified in Clause 3.2.1 for the whole of the road reserve."

Therefore, lighting along the proposed routes has been assessed against the criteria set out in AS 1158.2 & AS 1158.3.1. Table 2.6 of 1158.3.1 details the required illumination levels for road in local areas and for pathways.

Based on assessment of illumination levels along the proposed cycleway routes against the criteria set out in Tables 2.2 AS 1158.3.1, it is assumed that a lighting category of minimum P3 would apply to the proposed cycleways. Lighting along the proposed routes has been assessed against the criteria set out in Table 2.6 of 1158.3.1. Where achieved along a given section of the proposed routes, compliance with Lighting Subcategory P3 or greater is stated. Where category P3 is not achieved, further discussion is provided around the observed installation and underlying cause for lack of compliance.

Illumination levels for 'zebra' pedestrian crossings should achieve the requirements set out in AS/NZS 1158.4.

Illumination levels for roundabouts and other local area traffic management devices should achieve the requirements set out in clause 3.2.6 of AS/NZS 1168.3.1 which stipulates a minimum illumination level of 3.5 lux.

**TABLE 2.2
LIGHTING CATEGORIES FOR PATHWAYS (INCLUDING CYCLEWAYS)**

1	2	3	4	5	6
Type of pathway		Selection criteria ^{a,b)}			Applicable lighting subcategory
General description	Basic operating characteristics	Pedestrian/cycle activity	Risk of crime ^{f)}	Need to enhance prestige	
Pedestrian or cycle orientated pathway, e.g. footpaths, including those along local roads ^{d)} and arterial roads ^{e)} , walkways, lanes, park paths, cycleways	Pedestrian/cycle traffic only	N/A	High	N/A	P1 ^{c)}
		High	Medium	High	P2 ^{c)}
		Medium	Low	Medium	P3
		Low	Low	N/A	P4

a) The selection criteria of Columns 3 to 5 should be separately evaluated. The highest level of any of the selection criteria that is deemed appropriate for the pathway will determine the applicable lighting subcategory.

b) Refer to Appendix C for guidance on choosing the applicable level of each selection criteria for the environment and purpose of a lighting scheme.

c) Where there are vertical surfaces of high reflectance (e.g. light coloured walls bordering on an alleyway) alongside the pathway, the next lower lighting subcategory may be selected.

d) Where the footpath is along a local road and subcategory P1 or P2 is selected, the light technical parameters for that subcategory only apply to the formed footpath. Where subcategory P3 or P4 is selected, the light technical parameters apply to the whole road reserve width, including the footpath.

e) Footpaths associated with arterial roads are deemed not to require separate lighting provided that—
 (i) the road is lit to at least the applicable level of Category V lighting complying with AS/NZS 1158.1.1; and
 (ii) the footpath is unshaded, e.g. there are no substantially continuous building awnings, and the footpath is contiguous with the roadway.

If the footpath is shaded, or is separated from the roadway by an extensive nature strip or a service road, it shall be provided with lighting to at least subcategory P4.

f) The risk levels 'High', 'Medium' and 'Low' correspond to the classifications of the same names in HB 436.

Figure 1 AS/NZS 1158.3.1 Table 2.2

TABLE 2.6

VALUES OF LIGHT TECHNICAL PARAMETERS AND PERMISSIBLE LUMINAIRE TYPES FOR ROADS IN LOCAL AREAS AND FOR PATHWAYS

1	2	3	4	5	6
Lighting subcategory	Light technical parameters				Permissible luminaire type (see Table 2.10)
	Average horizontal illuminance ^{a,b)} (\bar{E}_h) lux	Point horizontal illuminance ^{a,b)} (E_{ph}) lux	Illuminance (horizontal) uniformity ^{c)} Cat. P (U_{E2})	Point vertical illuminance ^{a,b)} (E_{pv}) lux	
P1	7	2	10	2	Type 4 where part of a road reserve or Types 2, 3, 4 or 6 elsewhere
P2	3.5	0.7	10	0.7	
P3 ^{e)}	1.75	0.3	10	0.3 ^{d)}	
P4 ^{e)}	0.85	0.14	10	N/A	
P5 ^{e)}	0.5	0.07	10	N/A	

- a) These values are maintained.
- b) Compliance is achieved by being greater than or equal to the applicable table value.
- c) Compliance is achieved by being less than or equal to the applicable table value.
- d) The vertical illuminance requirement only applies when subcategory P3 is selected for application to pathways, i.e. it does not apply for local roads.

Figure 2 AS/NZS 1158.3.1 Table 2.6

Note that glare control and UWLR parameters in table 3.2 are outside the scope of these works and were not assessed on site. These parameters would need to be assessed against actual luminaire data. Luminaire model/output data was not available for the lighting at the time of preparing this report.

In summary, the following parameters have been utilised in the assessment:

Table 1 Lighting Assessment Parameters Summary

Light Technical parameters					
Location	Lighting Subcategory	Average Horizontal Illuminance	Point Horizontal Illuminance	Horizontal Uniformity	Point Vertical Illuminance (at approx. 1.5m height)
Primary road / cycleway	P3	1.75	0.3	10	0.3 (pathways only)
Traffic management devices (including roundabouts)	-	-	3.5	-	-
Zebra Crossings	PX2	-	-	-	32

3. Lighting Assessment

3.1 Existing lighting installation

The existing street / area lighting installation consists of a primarily of pole top street lights mounted at 7m-8m with outreach arm. The lighting manufacturer and model had not been verified at the time of preparing this report.

Supplementary lighting is provided in certain locations by under canopy lighting, illuminated signage and spill lighting from shops/customer premises at certain locations.

3.2 Lighting locations and condition

Lighting locations are nominated on the mark-ups in Appendix C.

In general the street lighting along the proposed routes was functional and appeared to be in fair condition; however, three of the post top street luminaires were not functional at the time of inspection. It is likely that these luminaires simply require new globes and it is recommended that a maintenance call be placed. Details of the non-functional luminaires are as follows:

Table 2 Faulty Luminaire Schedule

Lighting Type	Type / Model	Asset Number	Issue
7m-8m post top HPS	Unknown	SY14420	Non-functional
7m-8m post top HPS	Unknown	MA10263	Non-functional
7m-8m post top HPS	Unknown	MA09321	Non-functional

3.3 Illumination Levels and Findings

3.3.1 Measurement Apparatus and Methodology

The apparatus utilised to capture the illumination levels across the designated site was the Topcon IM-2DLux Meter. The calibration certificate for the meter is included in Appendix B of this report.

The lighting assessment was conducted during a series of afterhours site inspections, which typically occurred between the hours of 9.30pm until 3.30am.

The roadways and associated parking zones were in use at the time of inspection, meaning clear access across the extent of each proposed cycleway footprint was not possible. Therefore, in order to capture illumination data representative of levels across the proposed cycleway, measurements were taken at given intervals (typically 6m) along road-side and gutter-side edges of the proposed cycleway footprint.

It should be noted that in certain circumstances, recorded illumination levels may have been affected by the proximity of parked vehicles and/or other obstacles. While this was unavoidable, every effort was made to collect data representative of overall illumination levels along the proposed route.

Horizontal illuminance measurements were typically taken at 6m intervals along the path of travel.

Vertical illuminance, was generally measured in the two directions of travel, with additional perpendicular vertical illuminance measurements taken in certain locations such as intersections and roundabouts.

3.3.2 Measured Illumination Levels

The mark-ups in Appendix C of this report contain the measured horizontal and vertical illumination levels along the proposed routes. The table below contains a summary of the illumination levels measured on site.

Table 3 Measured Illumination Summary

Location	Average Horizontal Illumination (lux)	Point Horizontal Illumination (lux)	Horizontal Uniformity	Average Vertical Illumination (lux)	Point Vertical Illumination (lux)
Doncaster Avenue: Allison Road to Day Avenue	7.1	0.1	7.4	4.6	0
Day Avenue: Doncaster Avenue to Houston Road	4.9	0.7	5.9	4.8	1.0
Houston Road: Day Avenue to Gardeners Road	3.7	0.1	7.4	3.8	0.1
General Bridges Crescent: Gardeners Road to Bunnerong Road	21	2.6	3	12.8	1.3
Sturt Street: Bunnerong Road to Avoca Street	3.8	0	12.2	3.0	0
Avoca Street: Sturt Street to Bundock Street	8.5	4.7	1.7	3.4	0.8
Bundock Street: Acova Street to Malabar Road	2.4	0	6.6	1.7	0

3.3.3 Doncaster Avenue (Allison Road to Day Avenue) Findings

As detailed in the above table, the measured illumination levels at various locations along Doncaster Avenue between Anzac Parade and Day Avenue do not achieve compliance with subcategory P3 compliance. This can be attributed to the lighting being obstructed by trees for a significant portion of the route.

It is expected that subcategory P3 will be achieved if the existing trees are trimmed back at various locations along the street between Anzac Parade and Day Avenue to remove obstructions and provide better lighting distribution along the proposed route and or the preferred option of the inclusion of additional luminaries. Some examples of trees obstructing the existing lighting installation are included in Appendix A of this report.

3.3.4 Day Avenue (Doncaster Avenue to Houston Road) Findings

The existing lighting installation along Day Avenue between Doncaster Avenue and Houston Road exceeds subcategory P3 requirements and achieves subcategory P2 along the proposed cycleway footprint.

3.3.1 Houston Road (Day Avenue to Gardeners Road) Findings

While the majority of the lighting installation along Houston Road meets the criteria for subcategory P3, the measured horizontal and vertical point (minimum) illuminance fails to do so at a number of locations. This can again be attributed to obstructions caused by trees.

It is expected that subcategory P3 will be achieved if the existing trees are trimmed back at a number of locations along the route and or the preferred option of the inclusion of additional luminaries. Specific locations where compliance was not achieved can be found on sheets E3.23, E3.24 and E3.32 of the 'Existing Lighting Levels' drawing set in Appendix C.

3.3.2 General Bridges Crescent (Gardeners Road to Bunnerong Road) Findings

The existing lighting installation along General Bridges Crescent between Gardeners Road and Bunnerong Road exceeds both subcategory P3 and P2 requirements and actually achieves subcategory P1 along the proposed cycleway footprint.

3.3.3 Sturt Street (Bunnerong Road to Avoca Street) Findings

While the majority of the lighting installation along Sturt Street between Bunnerong Road and Avoca Street fails to achieve the criteria for subcategory P3 at numerous locations along the proposed route. This can again be attributed to existing obstructions caused by trees. The locations at which compliance is not achieved can be found on sheets E3.46 to E3.53 of the 'Existing Lighting Levels' drawing set in Appendix C.

It is again expected that subcategory P3 will be achieved if the existing trees are trimmed back at the abovementioned locations to remove obstructions and provide improved lighting distribution.

3.3.4 Avoca Street (Sturt Street to Bundock Street) Findings

The existing lighting installation along Avoca Street between Sturt Street and Bundock Street exceeds subcategory P3 requirements and achieves subcategory P2 along the proposed cycleway footprint.

3.3.5 Bundock Street (Acova Street to Malabar Road) Findings

It should be noted that lighting levels were measured along both sides of the road along Bundock Street for the section between the Canberra Street and Malabar Road intersections. As the areas investigated on both sides of the road are representative of the over lighting subcategory for the road, the findings were consolidated for assessment against the criteria detailed in table 2.6 of AS/NZS 1158.3.1.

The measured illumination levels at various locations along Bundock Street between Acova Street and Malabar Road do not achieve compliance with subcategory P3 compliance. The majority of non-compliant measurements were taken on the southern side of the road. In the majority of cases this can be attributed to the lighting being obstructed by trees at various locations for a significant portion of the route.

It is again expected that subcategory P3 will be achieved if the existing trees are trimmed back at various locations to remove obstructions and provide better lighting distribution along the proposed route.

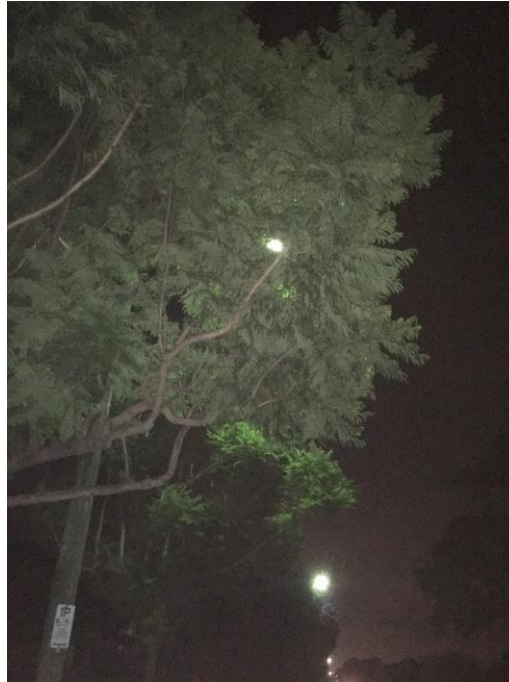
3.3.1 Roundabouts and other traffic management devices

Illumination levels for roundabouts and other local area traffic management devices should achieve the requirements set out in clause 3.2.6 of AS/NZS 1168.3.1 which stipulates a minimum illumination level of 3.5 lux.

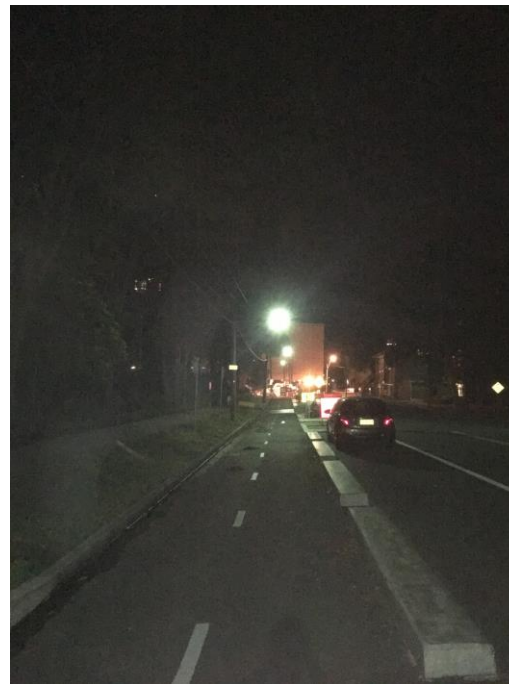
Although illumination levels were not measured across the entire footprint of each roundabout during the survey, there were several roundabouts where the measured illuminance was less than 3.5 lux. Below is a list of roundabouts where compliance with clause 3.2.6 of AS/NZS 1158.3.1 was not achieved:

- Roundabout at Houston Road and Barker Street intersection
- Roundabout at Houston Road and Borrodale Road intersection
- Roundabout at Sturt Street and Botany Street intersection

Appendix A – Photos



Doncaster Avenue



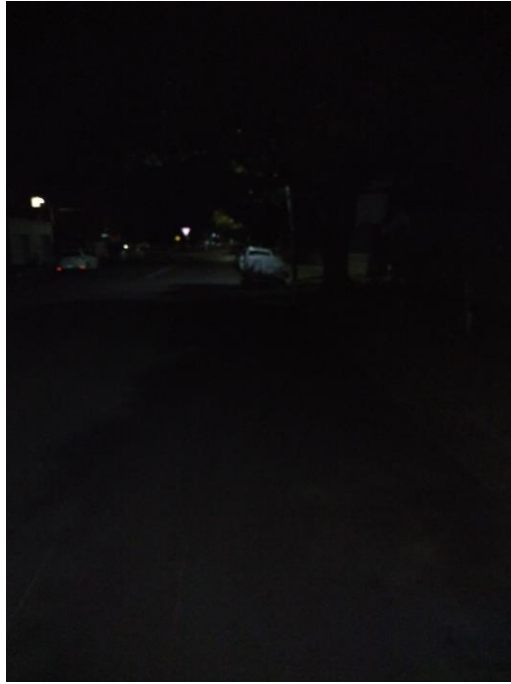
Day Avenue



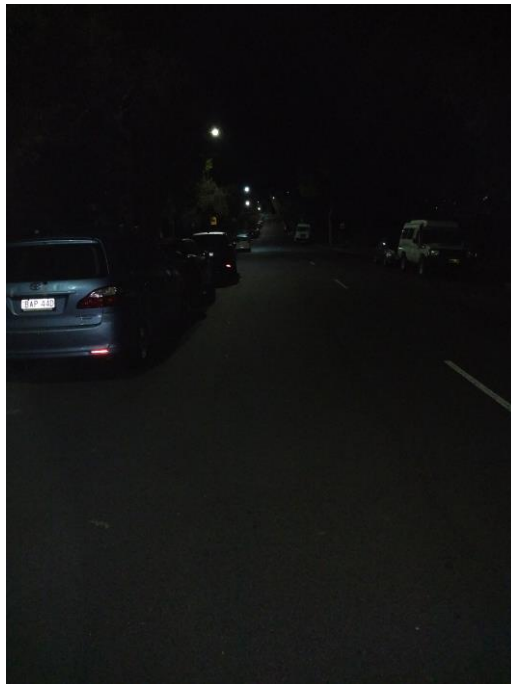
Houston Road



General Bridges Crescent



General Bridges Crescent



Doncaster Avenue

Appendix B – Lux Meter Calibration Certificate



Ttechrentals

Certificate of Calibration Conformance

Certificate Number : 29488

Reference : 544603

Model : TOP,IM-2D-NATA

Asset Number : 202205

Description : Topcon IM-2D Lux Meter NATA Calibrated

Date Calibrated : 24/11/2017

Technician : Nick Sawyer

Serial No. : 10441680

Calibration valid for : 365 days.

The performance of the above listed equipment has been verified for measurement accuracy to the manufacturers relevant published specification, in accordance with our Quality Assurance Procedures, using the appropriate calibrated equipment, traceable to nationally recognised standards.

SOURCE ASSET 125545 CAL.SUB-CONTRACTED REPORT 387442 DUE 2/03/2018

Cris Ascenzo
National Service Manager

QSF 326-1/C

Offices throughout Australia, New Zealand and Malaysia
TR Pty Ltd (Box 1185) 18 Joseph Street Blackburn North 3130 VIC Australia
Freecall 1800 632 652 P 03 9896 3000 F 03 9896 3099
www.techrentals.com.au
ABN 99 005 499 721

TR0147

Appendix C – Existing Lighting Levels Detailed Mark-ups

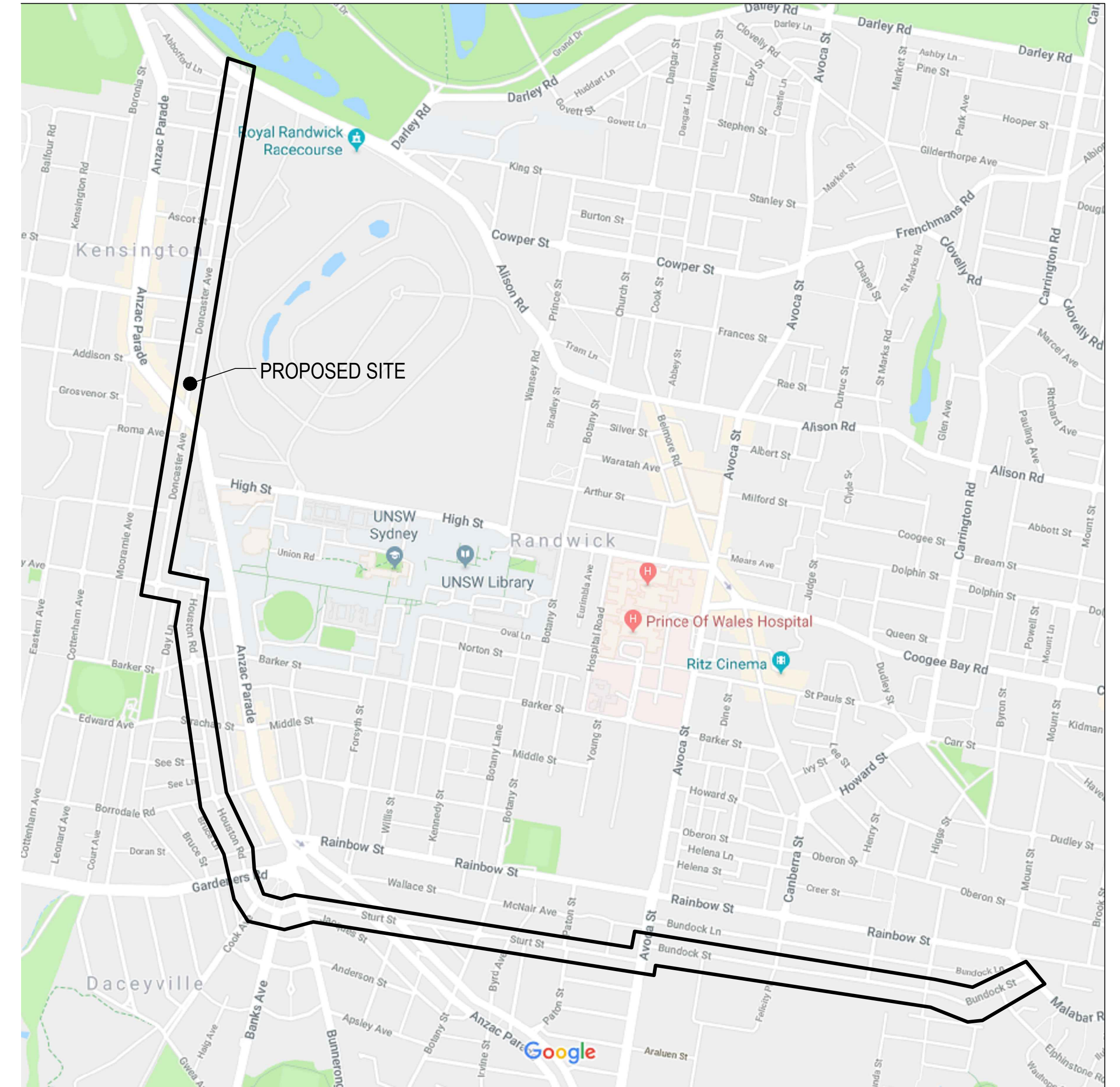
RANDWICK CITY COUNCIL CYCLEWAY LINKS

DONCASTER AVE, KENSINGTON 2033

SITE AUDIT - EXISTING LIGHTING LEVELS

DRAWING LIST	
E1.01	COVER SHEET & DRAWING LIST
E3.01	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 1
E3.02	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 2
E3.03	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 3
E3.04	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 4
E3.05	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 5
E3.06	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 6
E3.07	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 7
E3.08	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 8
E3.09	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 9
E3.10	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 10
E3.11	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 11
E3.12	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 12
E3.13	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 13
E3.14	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 14
E3.15	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 15
E3.16	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 16
E3.17	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 17
E3.18	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 18
E3.19	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 19
E3.20	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 20
E3.21	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 21
E3.22	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 22
E3.23	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 23
E3.24	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 24
E3.25	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 25
E3.26	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 26
E3.27	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 27
E3.28	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 28
E3.29	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 29
E3.30	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 30
E3.31	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 31
E3.32	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 32
E3.33	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 33
E3.34	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 34
E3.35	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 35
E3.36	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 36
E3.37	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 37
E3.38	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 38
E3.39	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 39

DRAWING LIST	
E3.40	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 40
E3.41	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 41
E3.42	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 42
E3.43	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 43
E3.44	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 44
E3.45	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 45
E3.46	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 46
E3.47	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 47
E3.48	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 48
E3.49	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 49
E3.50	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 50
E3.51	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 51
E3.52	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 52
E3.53	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 53
E3.54	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 54
E3.55	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 55
E3.56	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 56
E3.57	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 57
E3.58	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 58
E3.59	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 59
E3.60	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 60
E3.61	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 61
E3.62	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 62
E3.63	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 63
E3.64	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 66
E3.65	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 65
E3.66	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 66
E3.67	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 67
E3.68	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 68
E3.69	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 69
E3.70	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 70
E3.71	SITE AUDIT - EXISTING LIGHTING LEVELS - SHEET 71



LOCALITY PLAN
N.T.S.

MAP DATA © 2017 GOOGLE

DIAL BEFORE YOU DIG

DIAL BEFORE YOU DIG
www.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

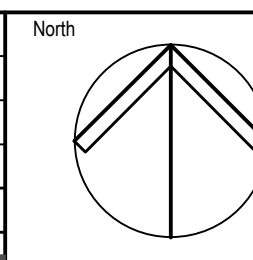
DRAWING UNDER REVISION

NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	S.Y.	W.N.



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title

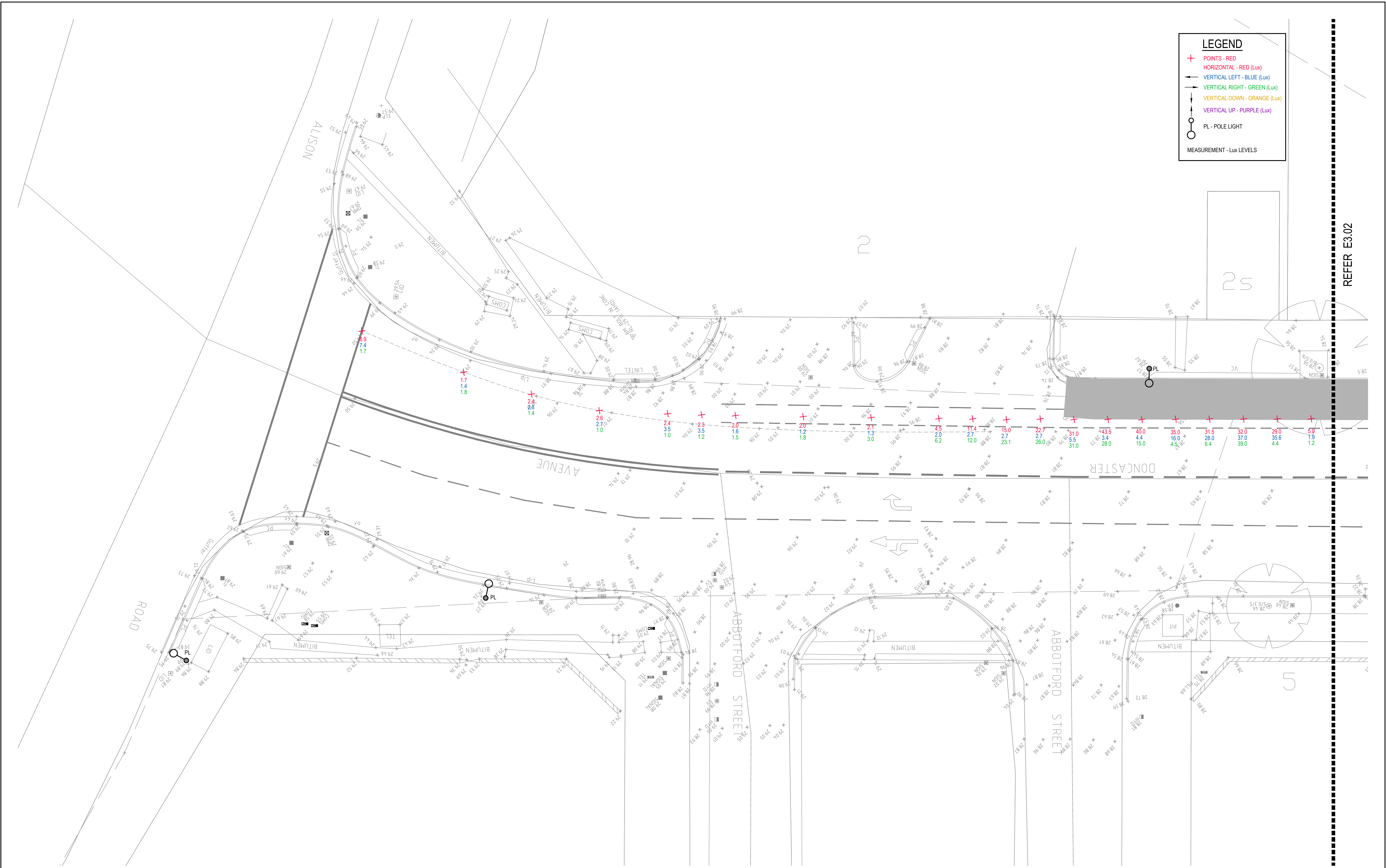
**SITE AUDIT - EXISTING LIGHTING LEVELS
COVER SHEET & DRAWING LIST**

Drawn	Date	Scale	A1	G.A. Check	Date
SY	JAN, 2018	N/A		W.N.	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E1.01	A

P:\317570790\randwick\cycleway\sydney\sydney_e1.dwg

LEGEND

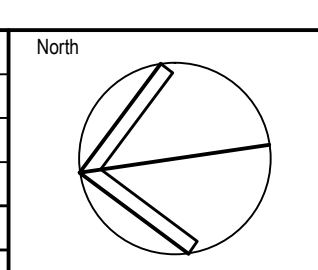
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
 CYCLEWAY LINKS**

Doncaster Ave
 Kensington 2033 NSW

Drawing Title

**SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 1**

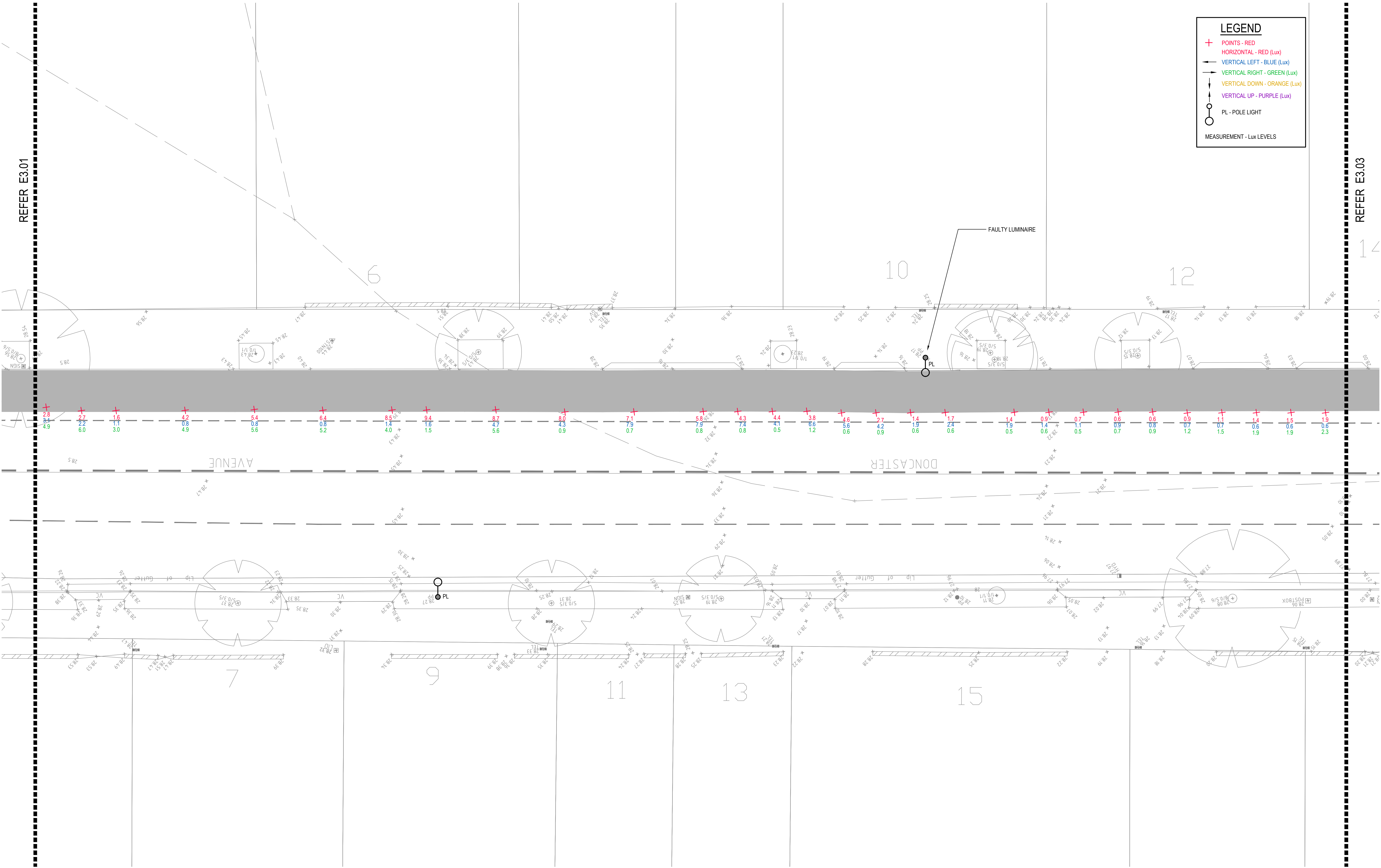
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.01	A

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

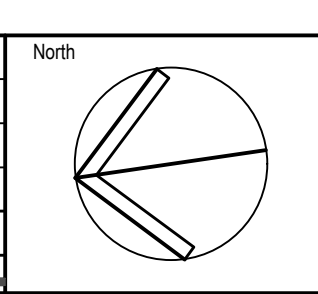


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

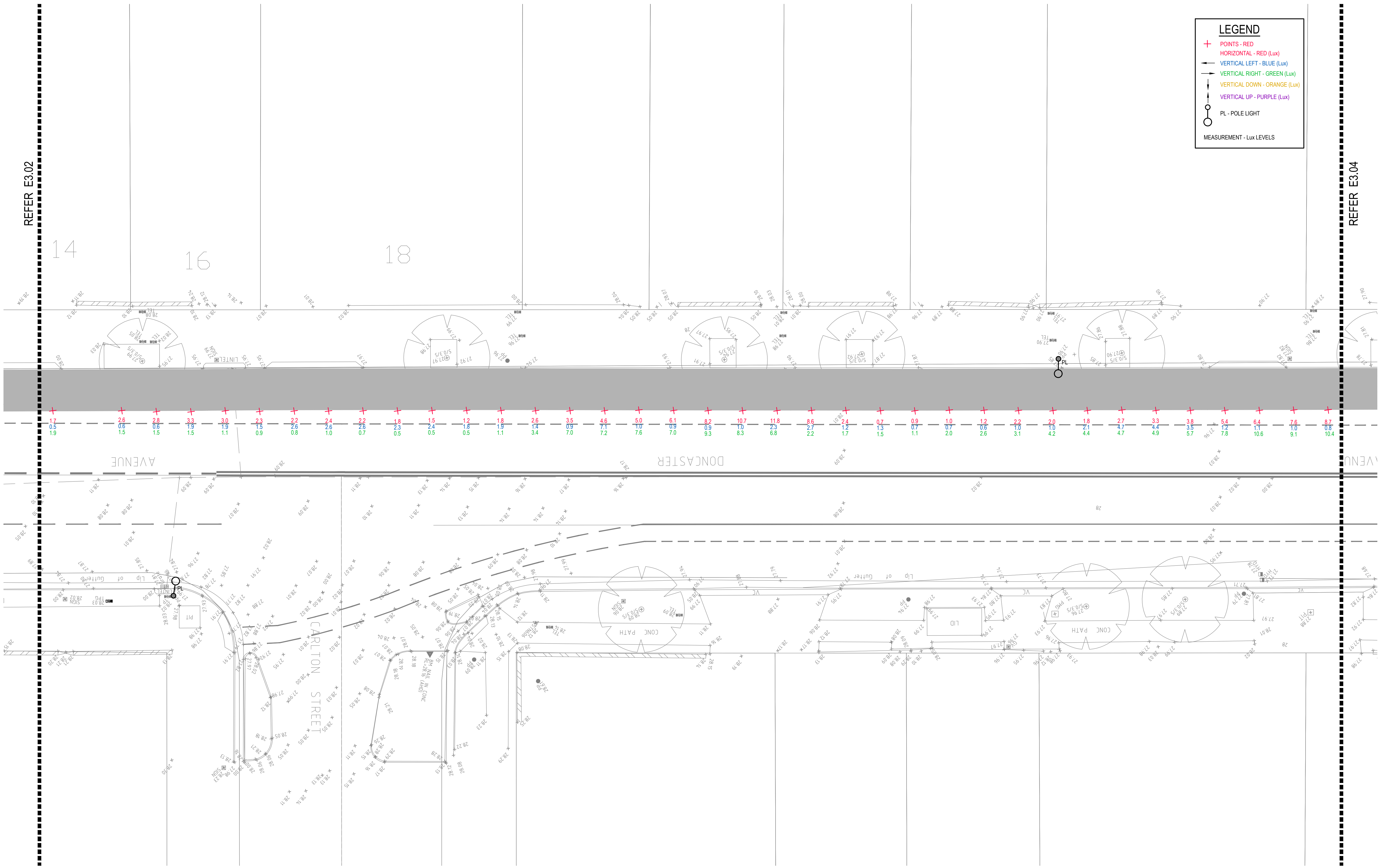
Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title		Scale		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		1:100		05.02.18	
SHEET 2					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.02	A

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



REFER E3.02

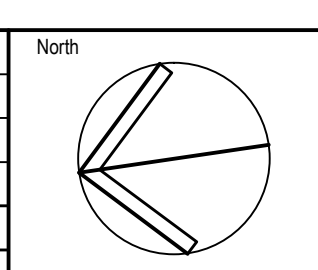
REFER E3.04

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 Randwick City Council
 as a service of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.03	A

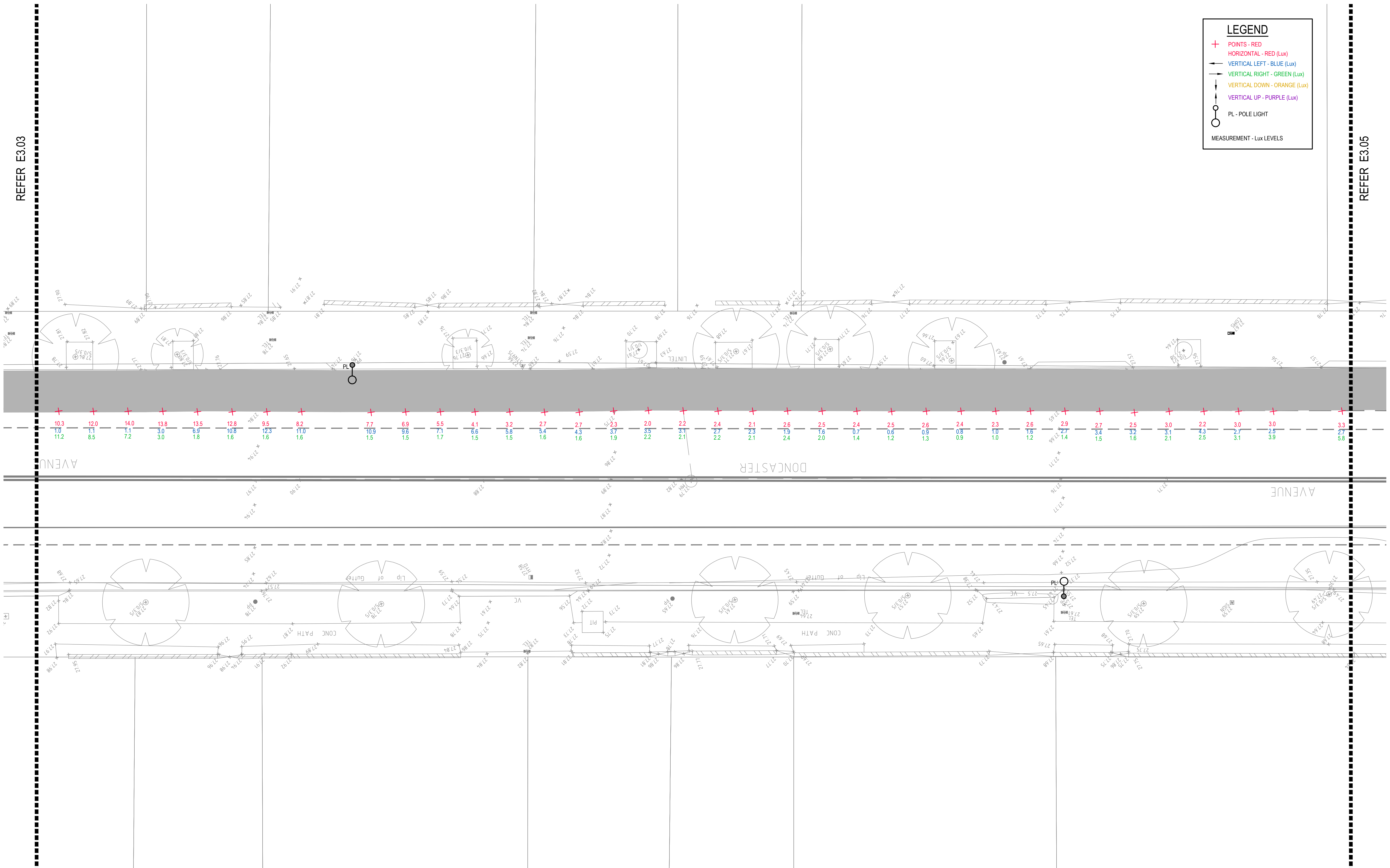
P:\2017\170790\randwick\electrical\sy170790_e3.03.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

REFER E3.03

REFER E3.05

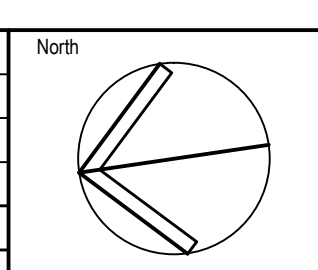


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

ACOR CONSULTANTS
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

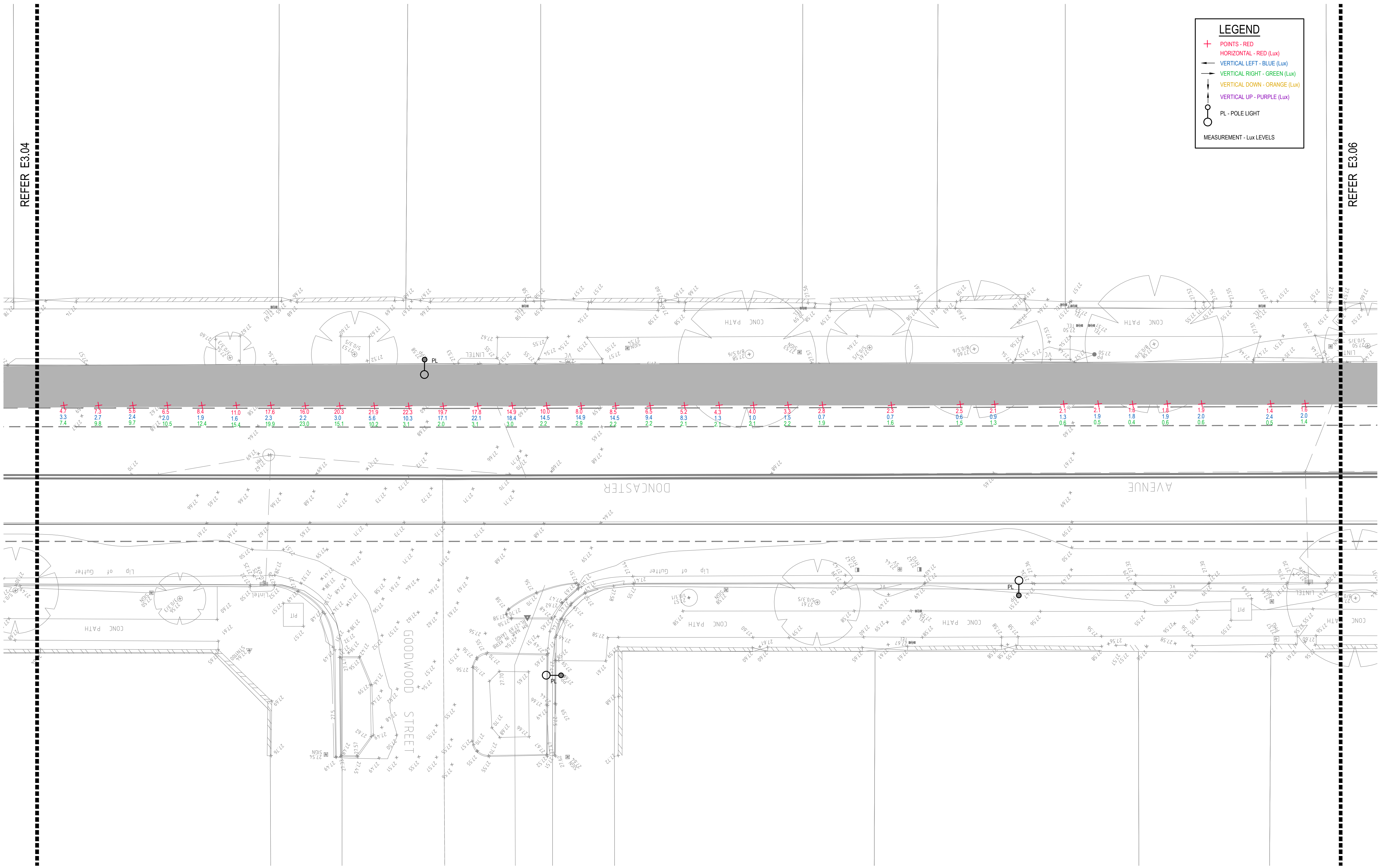
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title		SHEET 4	
Drawn	Date	Scale	A1
SY	JAN 2018	1:100	WN
Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.04	A

P:\2017\170790\randwick\electrical\sy170790_e3.04.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

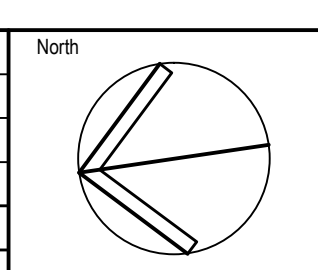


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
as a service of community
30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

Project No. SY170790
Designed by BS & LW
KENSINGTON 2033 NSW

Drawing Title

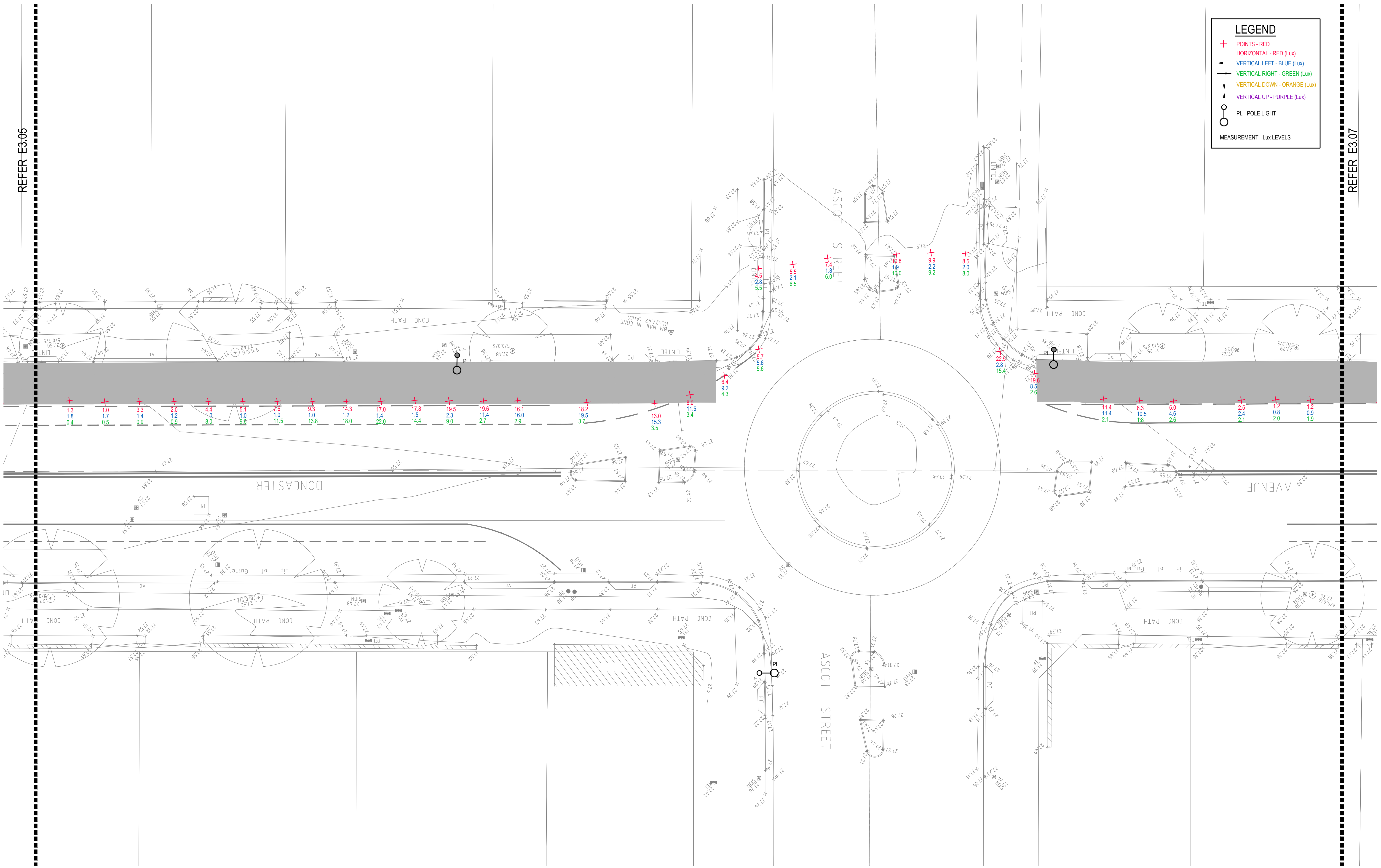
**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 5**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.05	A		

P:\2017\170790\randwick\electrical\sy170790_e3.05.dwg

LEGEND

- + POINTS - RED
- ← HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- ↓ VERTICAL RIGHT - GREEN (Lux)
- ↑ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

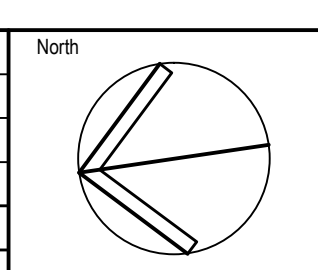


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
 as a service of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
 CYCLEWAY LINKS**

Doncaster Ave
 Kensington 2033 NSW

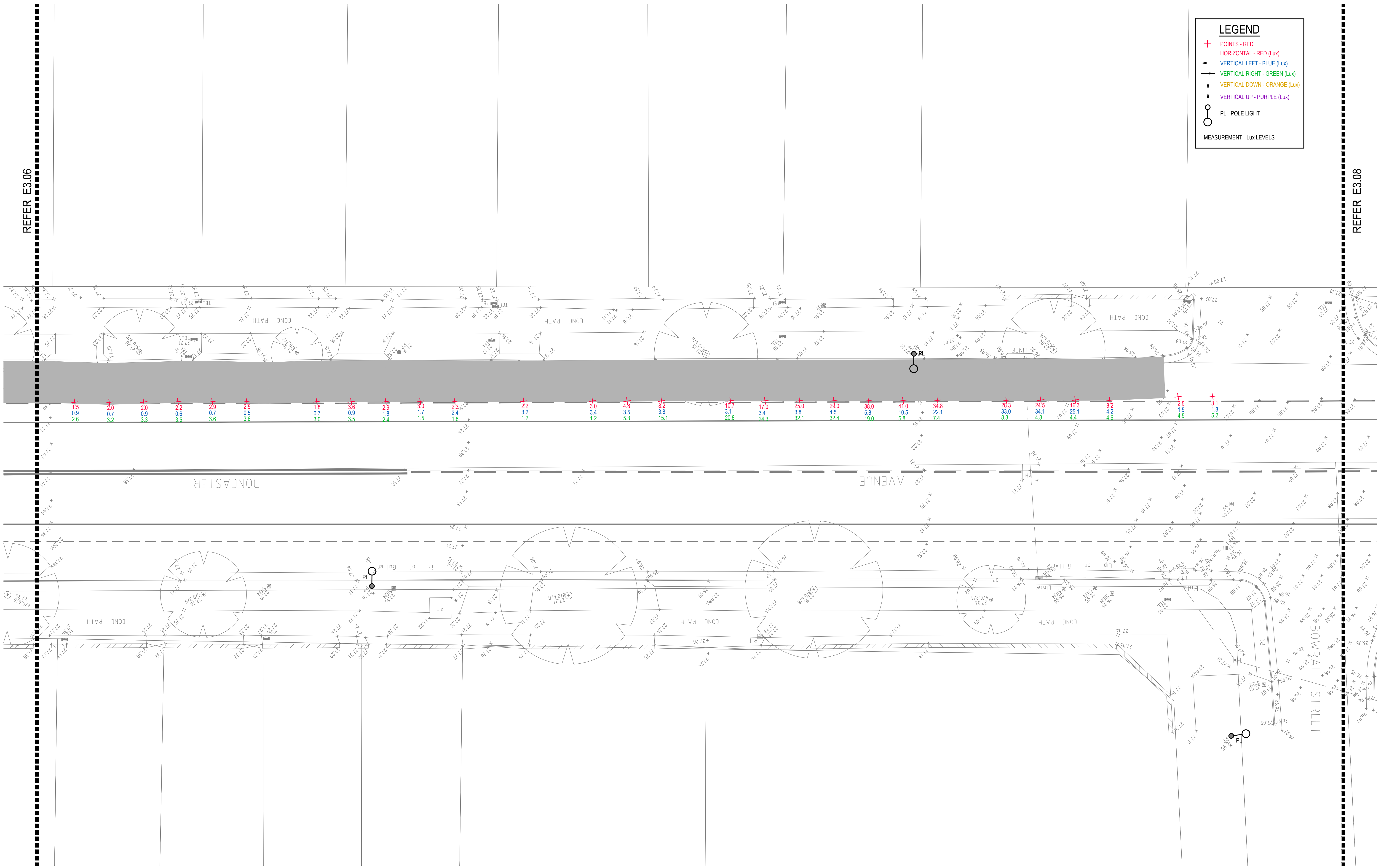
Drawing Title
**SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 6**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.06	A

P:\2017\170790\randwick\electrical\sy170790_e3.06.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



REFER E3.06

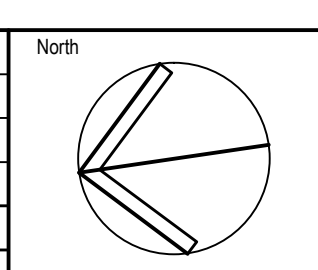
REFER E3.08

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
as a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

**LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011**
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

Doncaster Ave
Kensington 2033 NSW

Drawing Title
**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 7**

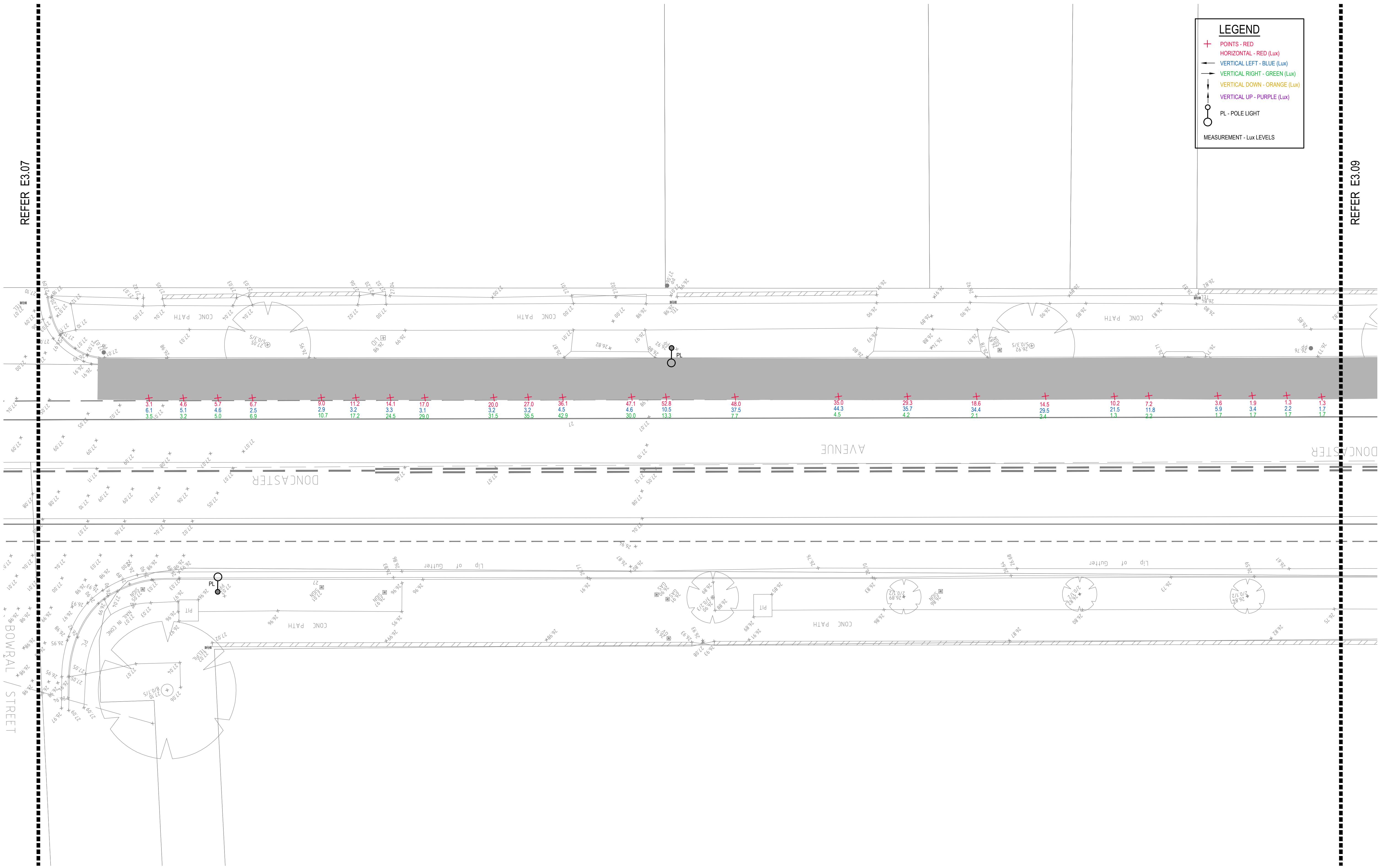
Drawn	Date	Scale	A1	G.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.07	A

P:\2017\170790\randwick\electrical\sy170790_e3.07.dwg

LEGEND

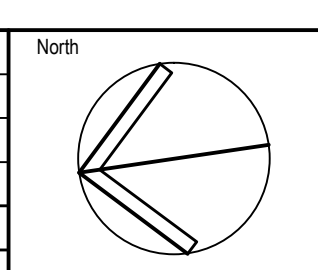
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
as a sense of community
30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title

**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 8**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.08	A

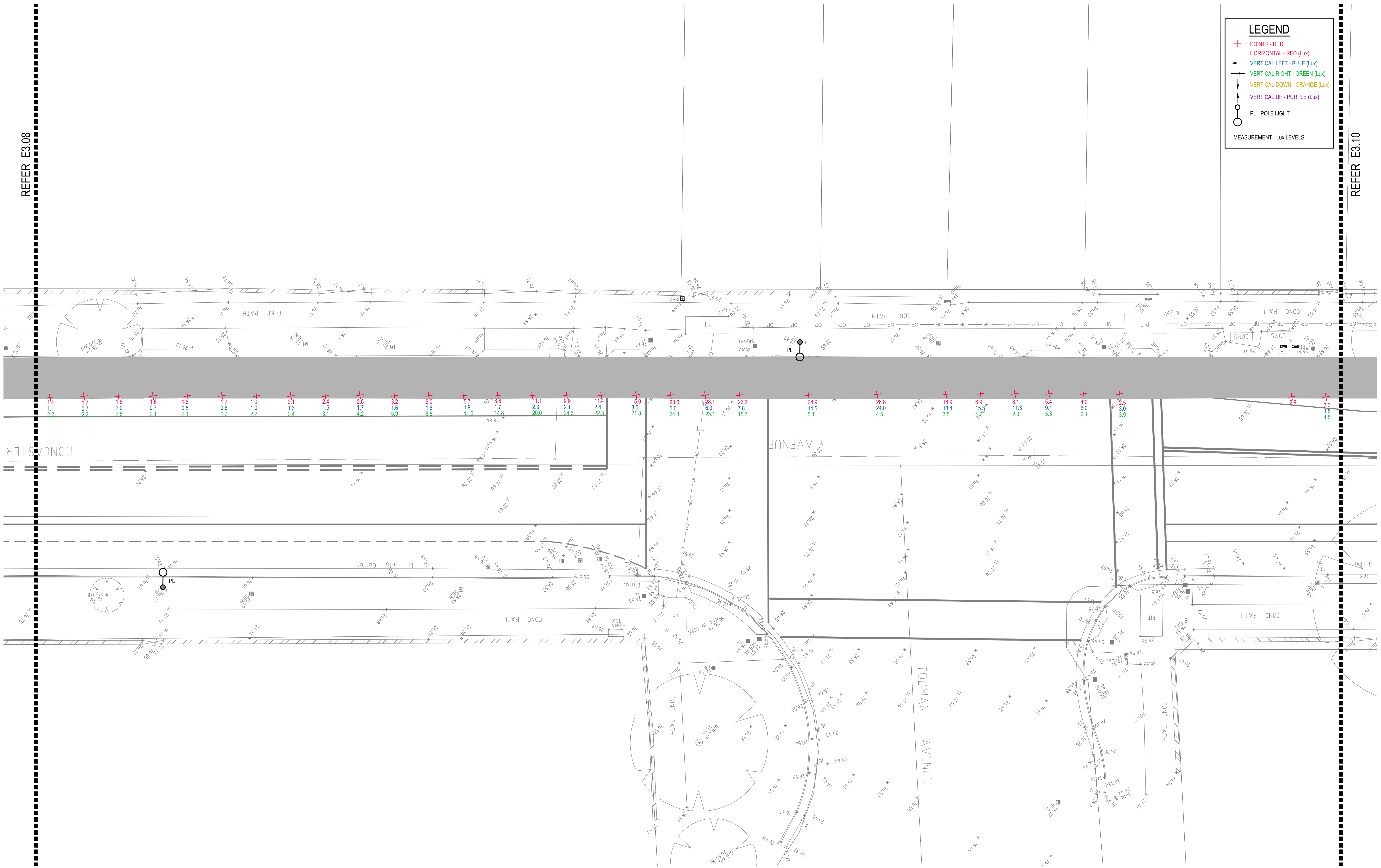
DRAWING UNDER REVISION NOT FOR CONSTRUCTION

REFER E3.08

REFER E3.10

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

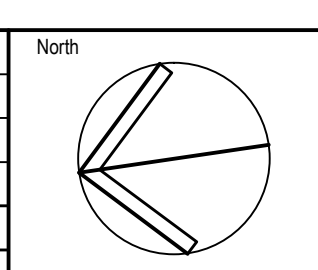


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
 as a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR
 CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title
SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 9

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.09	A

P:\2017\170790\randwick\electrical\sy170790_e3.09.dwg

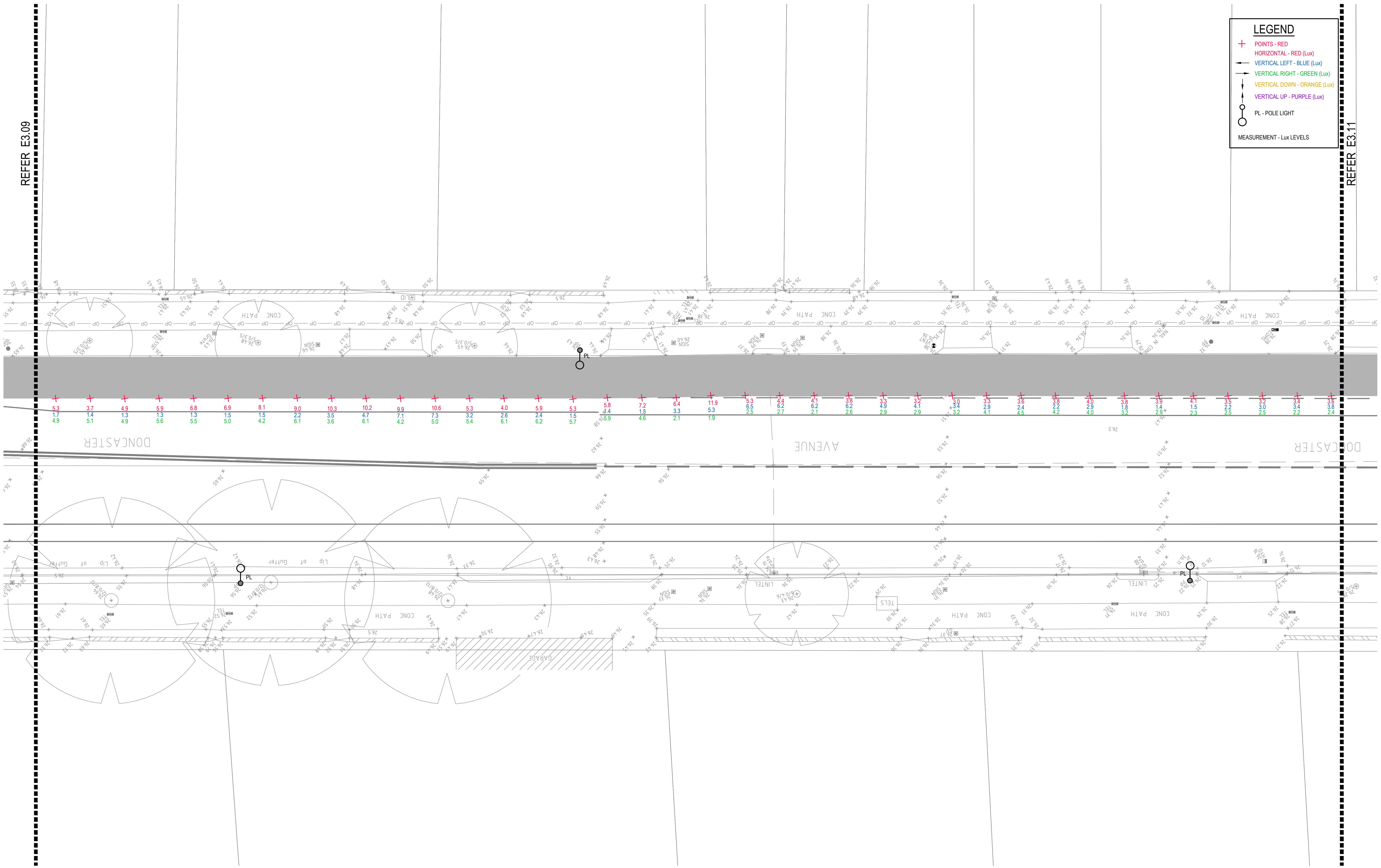
REFER E3.09

REFER E3.11

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

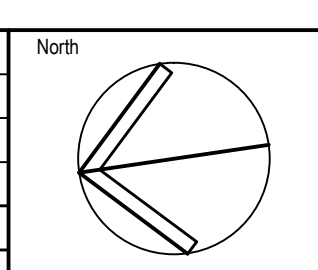


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a service of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
 CYCLEWAY LINKS**

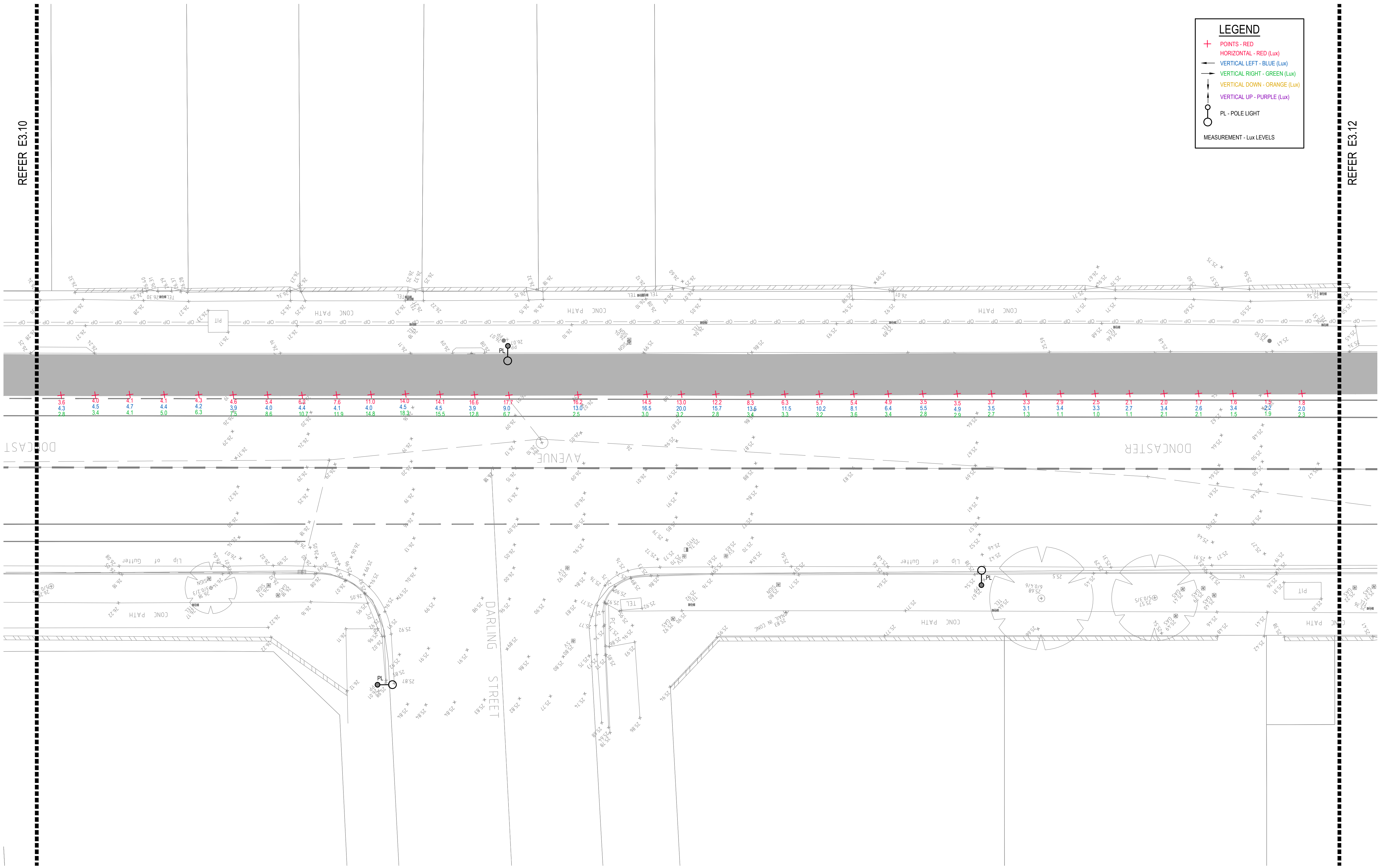
DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title		SITE AUDIT - EXISTING LIGHTING LEVELS		Date	
SHEET 10				05.02.18	
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.10	A		

P:\2017\170790\randwick\electrical\sy170790_e3.10.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



REFER E3.10

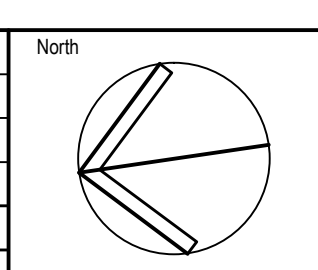
REFER E3.12

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
 CYCLEWAY LINKS**

DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title

**SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 11**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.11	A

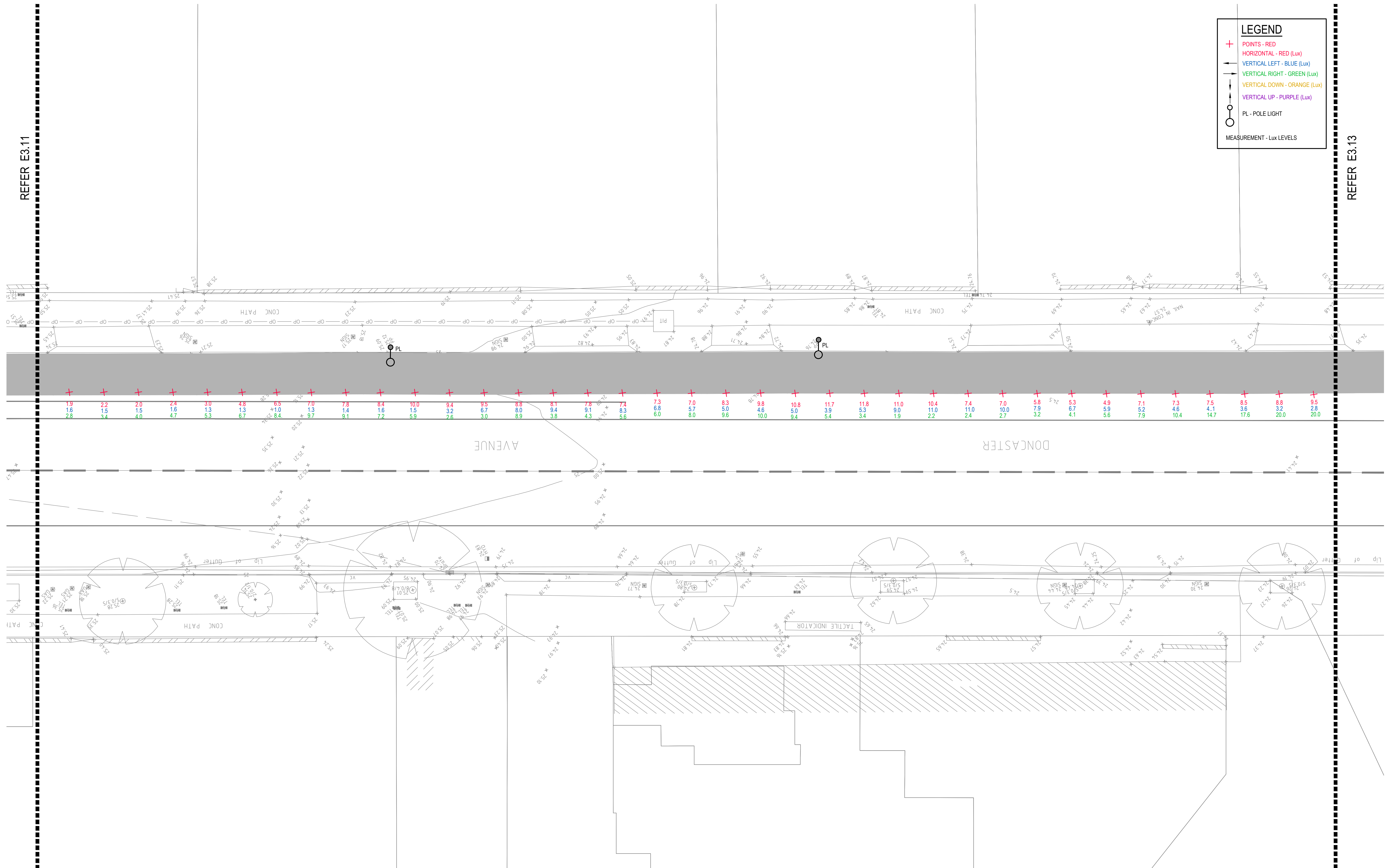
P:\2017\170790\randwick\electrical\sy170790_e3.11.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

REFER E3.11

REFER E3.13

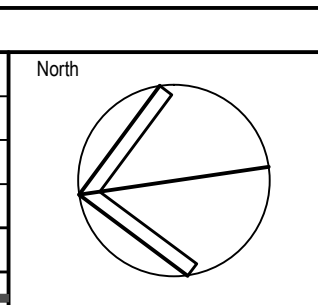


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
 CYCLEWAY LINKS**

DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title		Scale		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		A1		05.02.18	
SHEET 12		1:100		WN	
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100	A1	WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.12	A		

P:\07170790\randwick\electrical\sy170790_e3.12.dwg

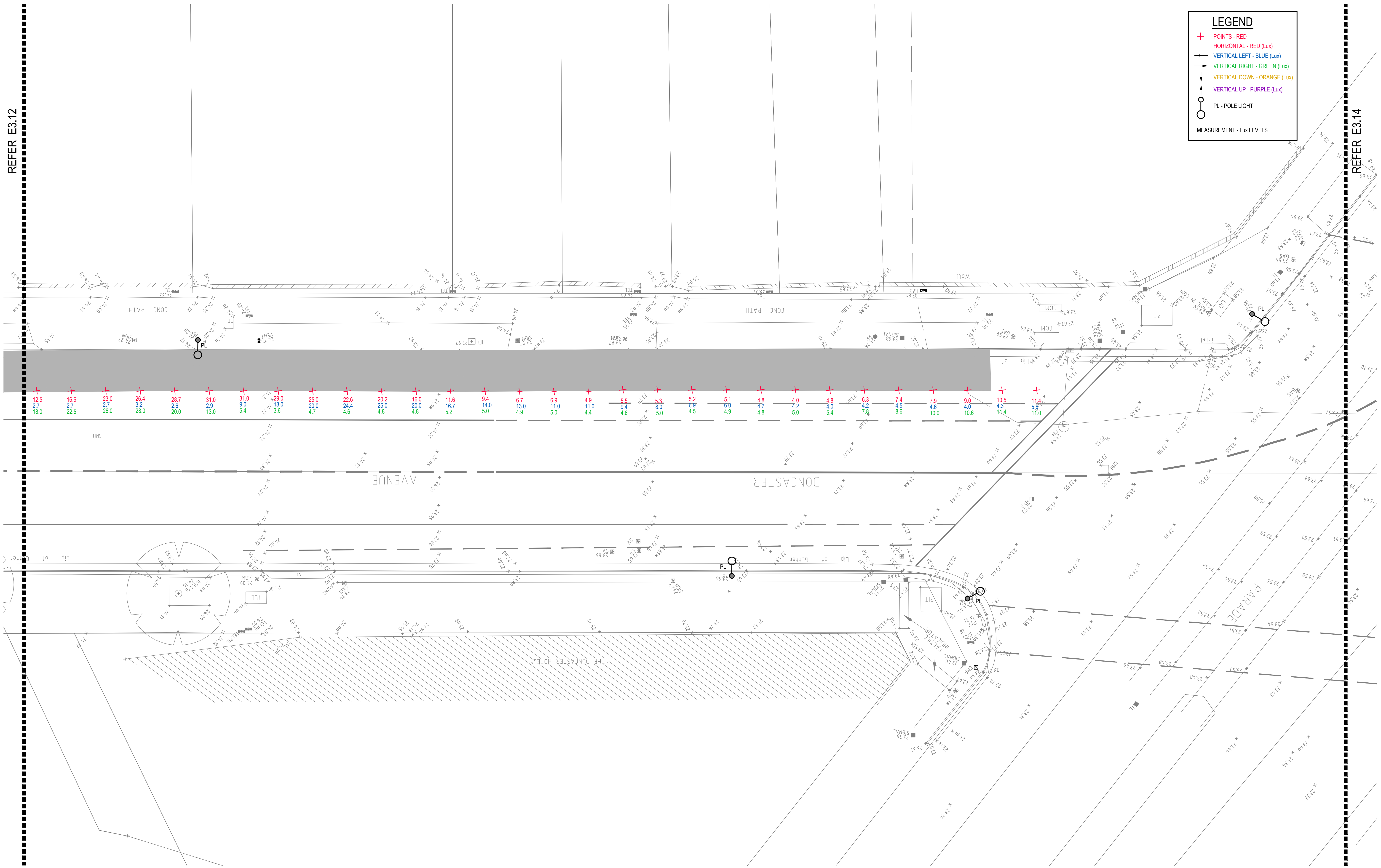
REFER E3.12

REFER E3.14

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

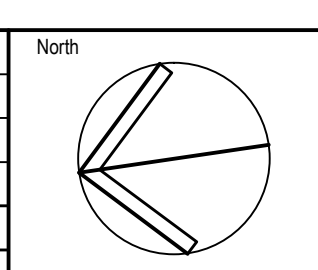
MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North	
A	INITIAL ISSUE	05.02.18	SY WN
Issue	Description	Date	Drawn Approved
1:100		20cm	



Client

Randwick City Council
as a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2065
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

RANDWICK CITY COUNCIL
CYCLEWAY LINKS

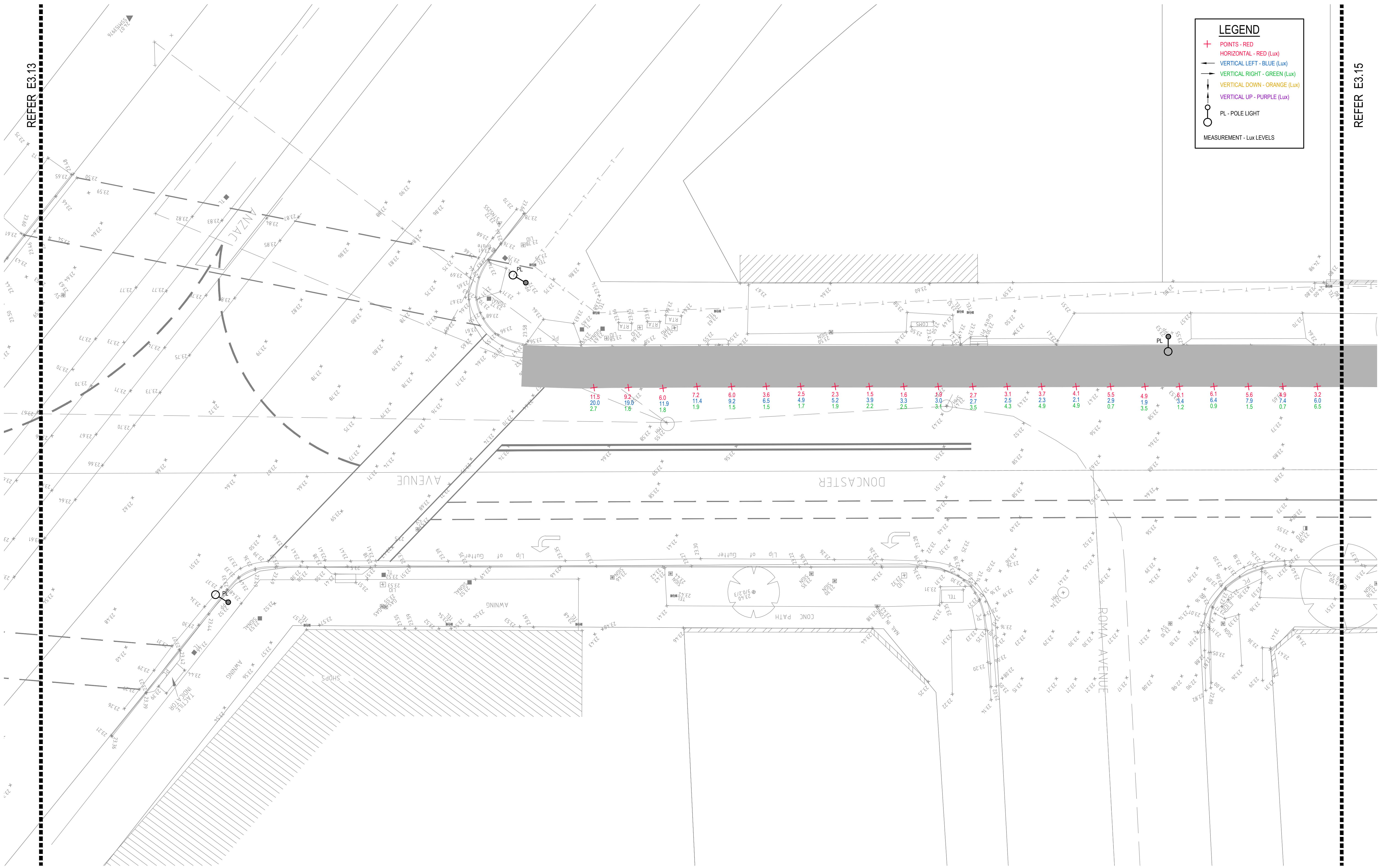
Doncaster Ave
Kensington 2033 NSW

Drawing Title			
SITE AUDIT - EXISTING LIGHTING LEVELS			
SHEET 13			
Drawn	Date	Scale	A1
SY	JAN.2018	1:100	WN
Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.13	A
Date		Date	
05.02.18		05.02.18	

P:\2017\170790\randwick\electrical\sy170790_e3.13.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

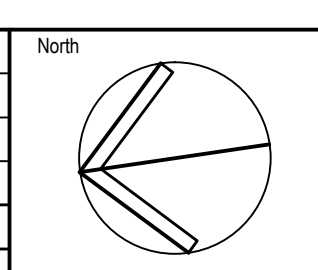


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by.

Issue	Description	Date	Drawn	SY	WN	Approved
A	INITIAL ISSUE	05.02.18		SY	WN	



Client

Randwick City Council
in service of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS

Location
 DONCASTER AVE
 KENSINGTON 2033 NSW

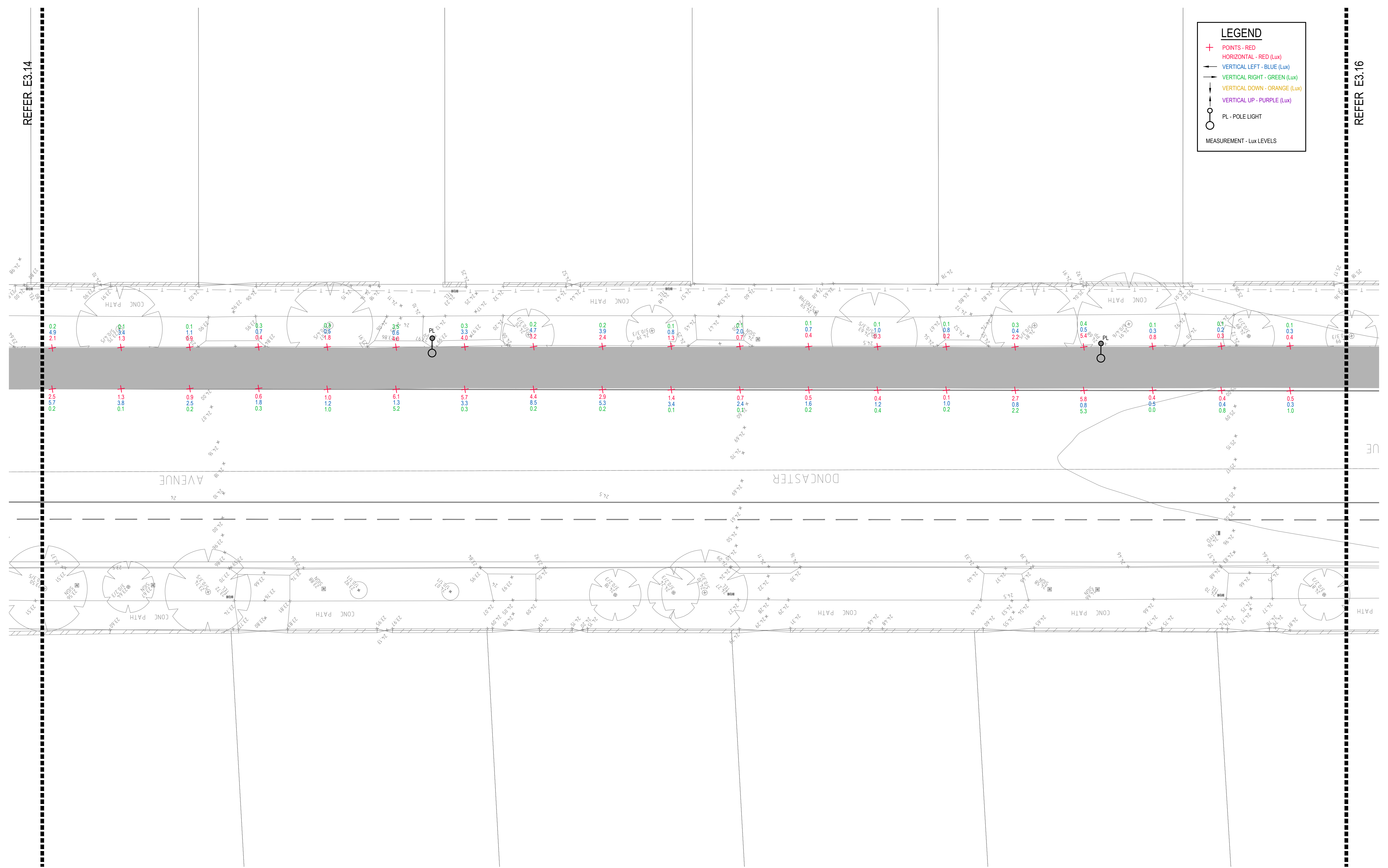
Drawing Title
SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 14

Drawn	Date	Scale	A1	G.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.14	A

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

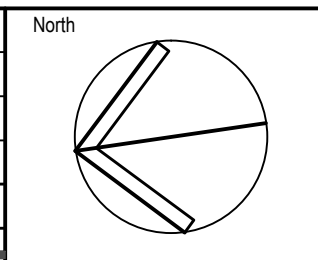


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title		Scale		Q.A. Check		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		1:100		WN		05.02.18	
Drawn	Date	Scale	A1	Q.A. Check	Date		
SY	JAN 2018	1:100		WN	05.02.18		
Designed	Project No.			Dwg. No.	Issue		
BS & LW	SY170790			E3.15	A		

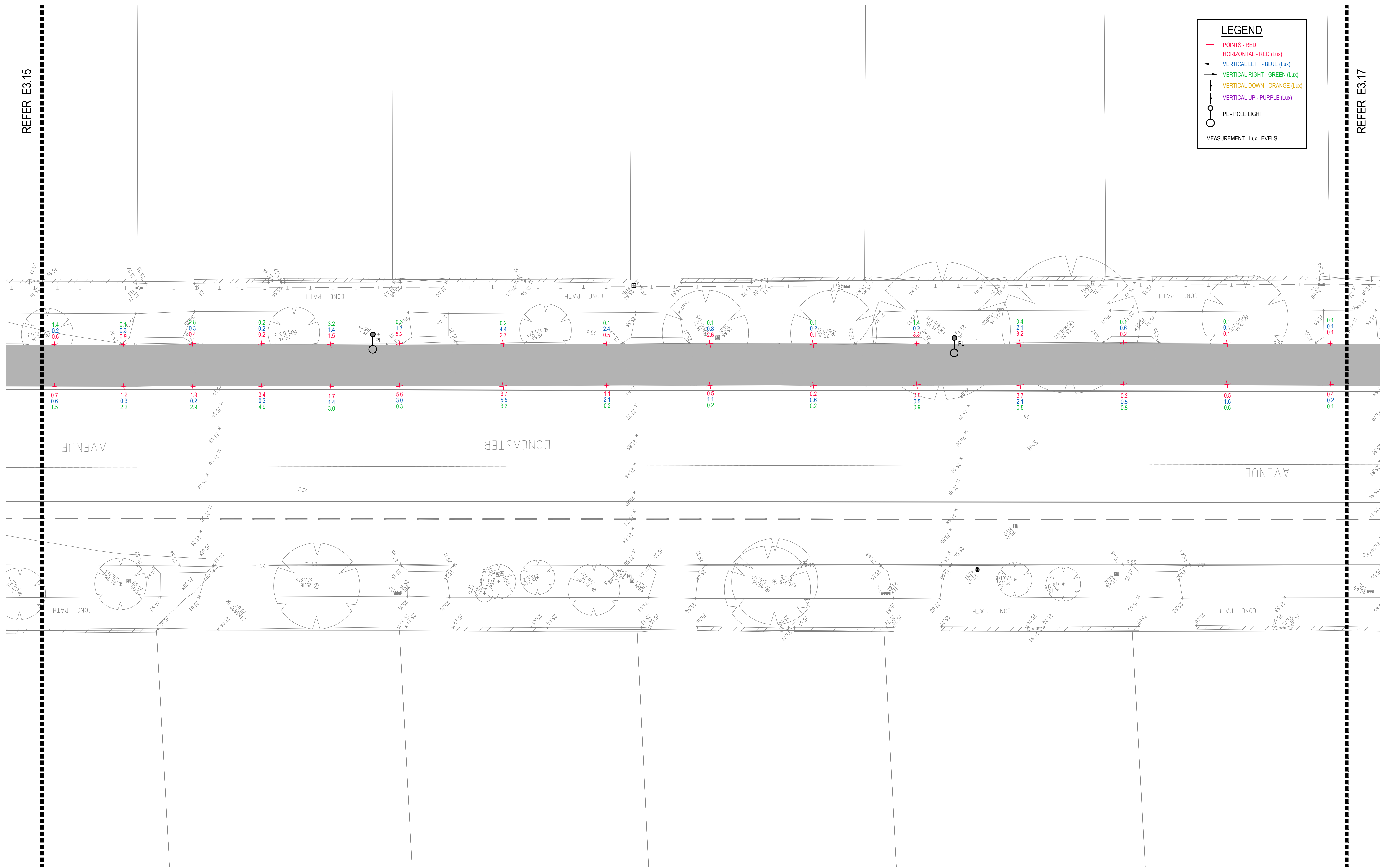
P:\2017\170790\randwick\cyclewaylinks\SY170790_E3.15.dwg

REFER E3.15

REFER E3.17

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

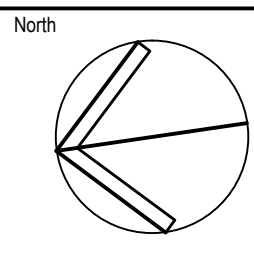


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPGSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 16					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.16	A		

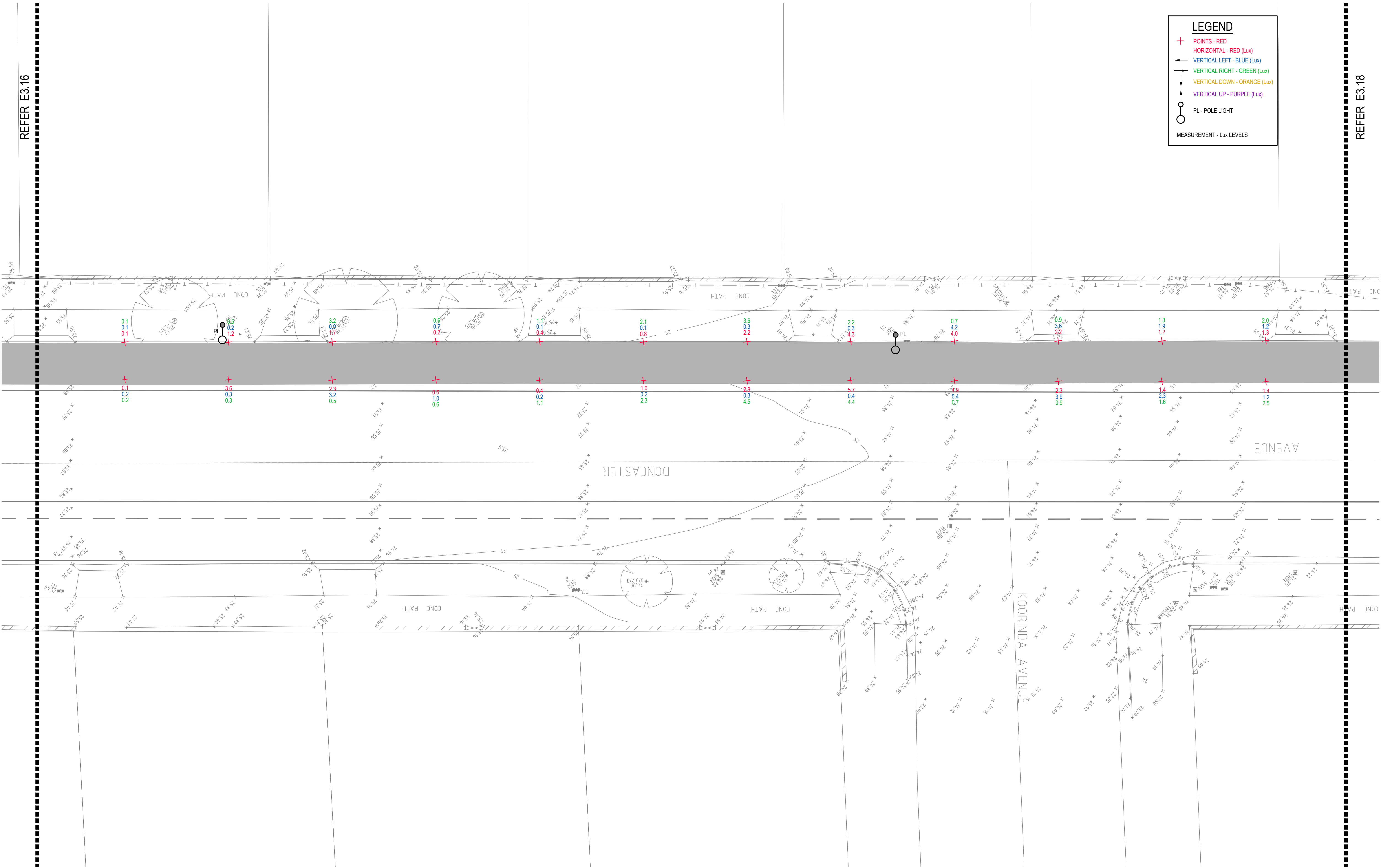
REFER E3.16

REFER E3.18

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

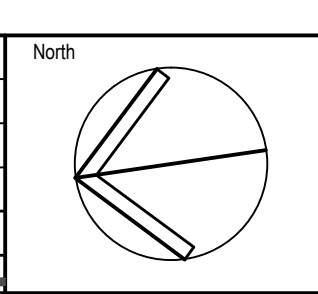
MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

A	INITIAL ISSUE	05.02.18	SY	WN
Issue	Description	Date	Drawn	Approved



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

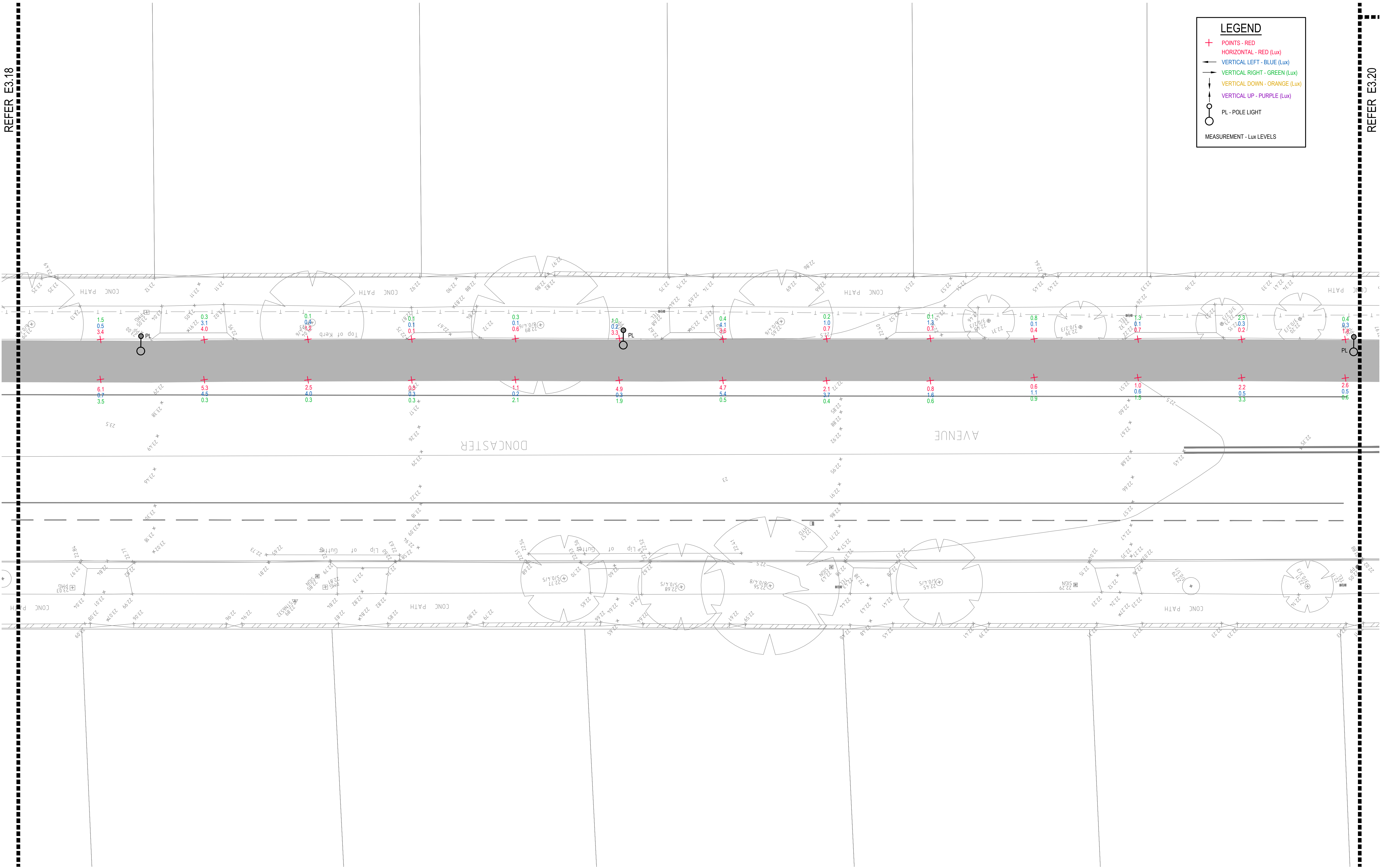
Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 17				
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN
Designed BS & LW	Project No. SY170790	Dwg. No. E3.17	Issue A	Date 05.02.18

REFER E3.18

REFER E3.20

LEGEND

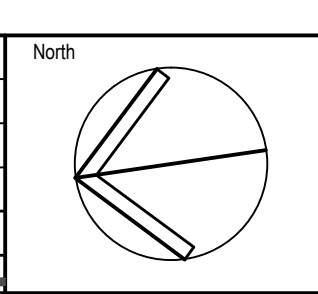
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North
A	INITIAL ISSUE	05.02.18
SY	WN	Date
Issue	Description	Date
Drawn	Approved	Date
20m	20m	20m



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

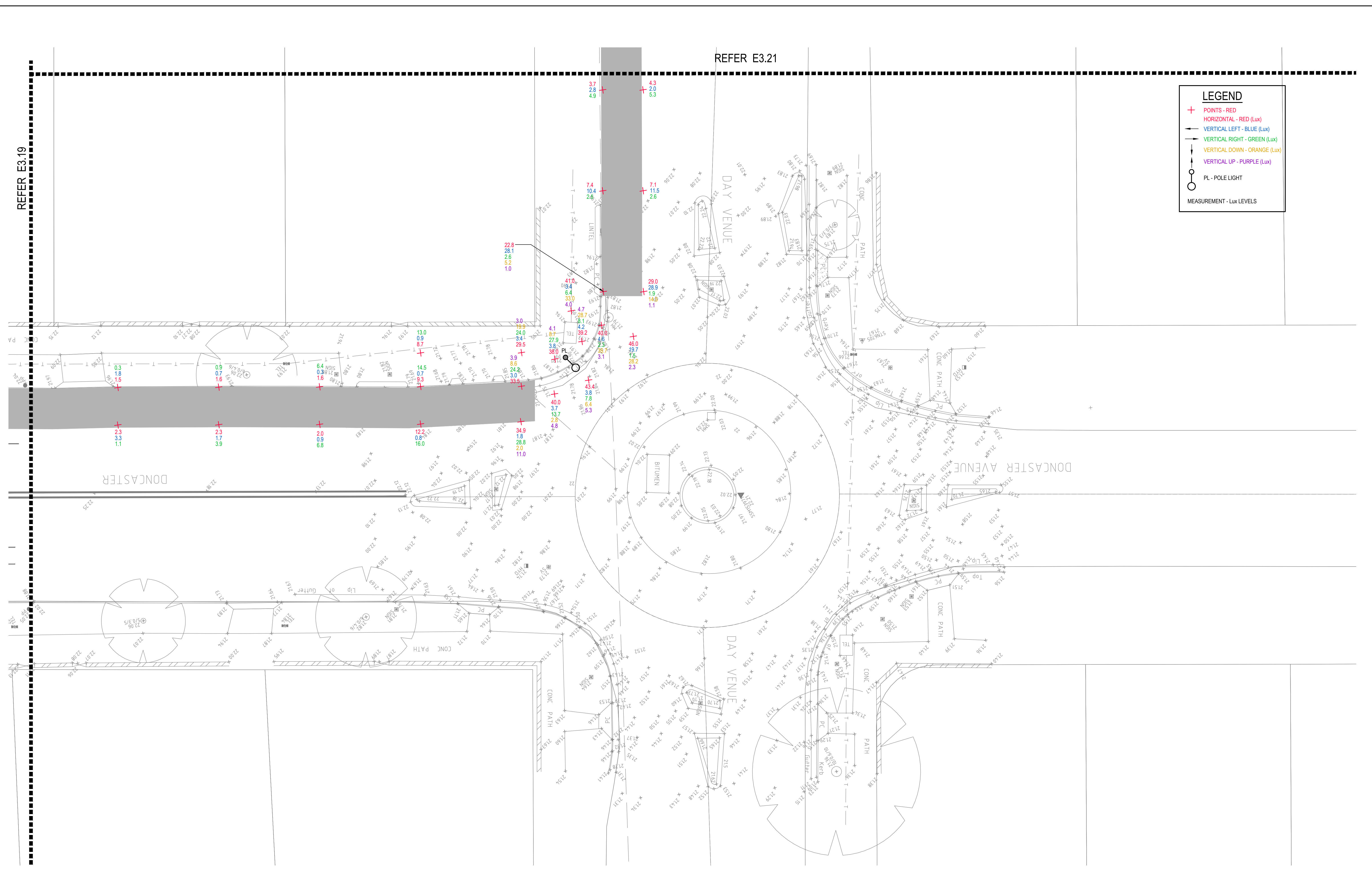
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 19					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.19	A



LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

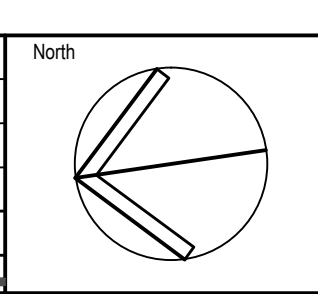
MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

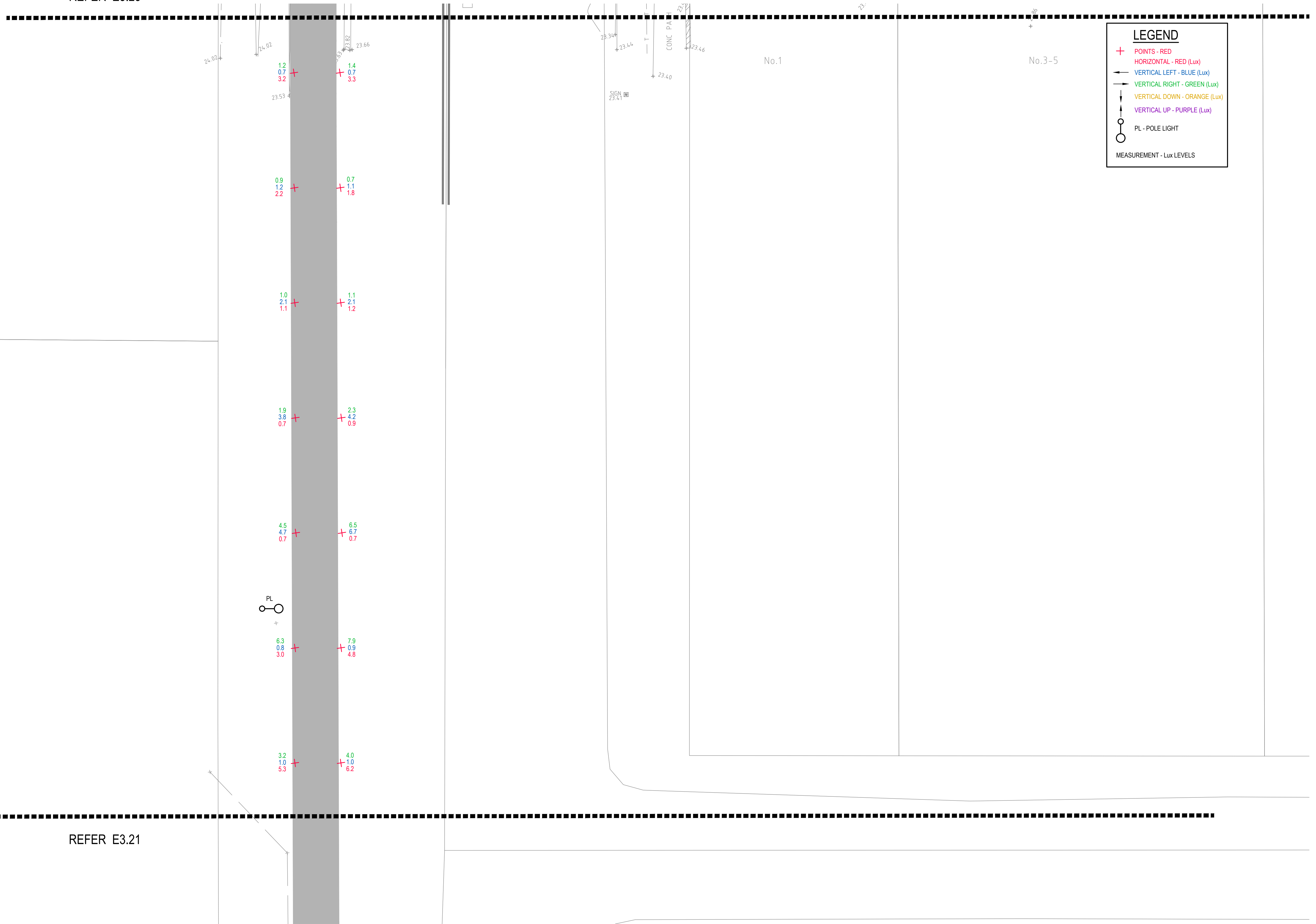
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 20					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.20		Issue A	

REFER E3.23

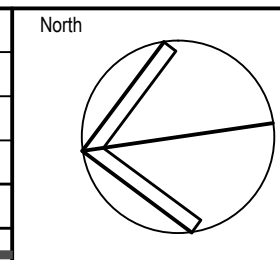


REFER E3.21

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098
ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

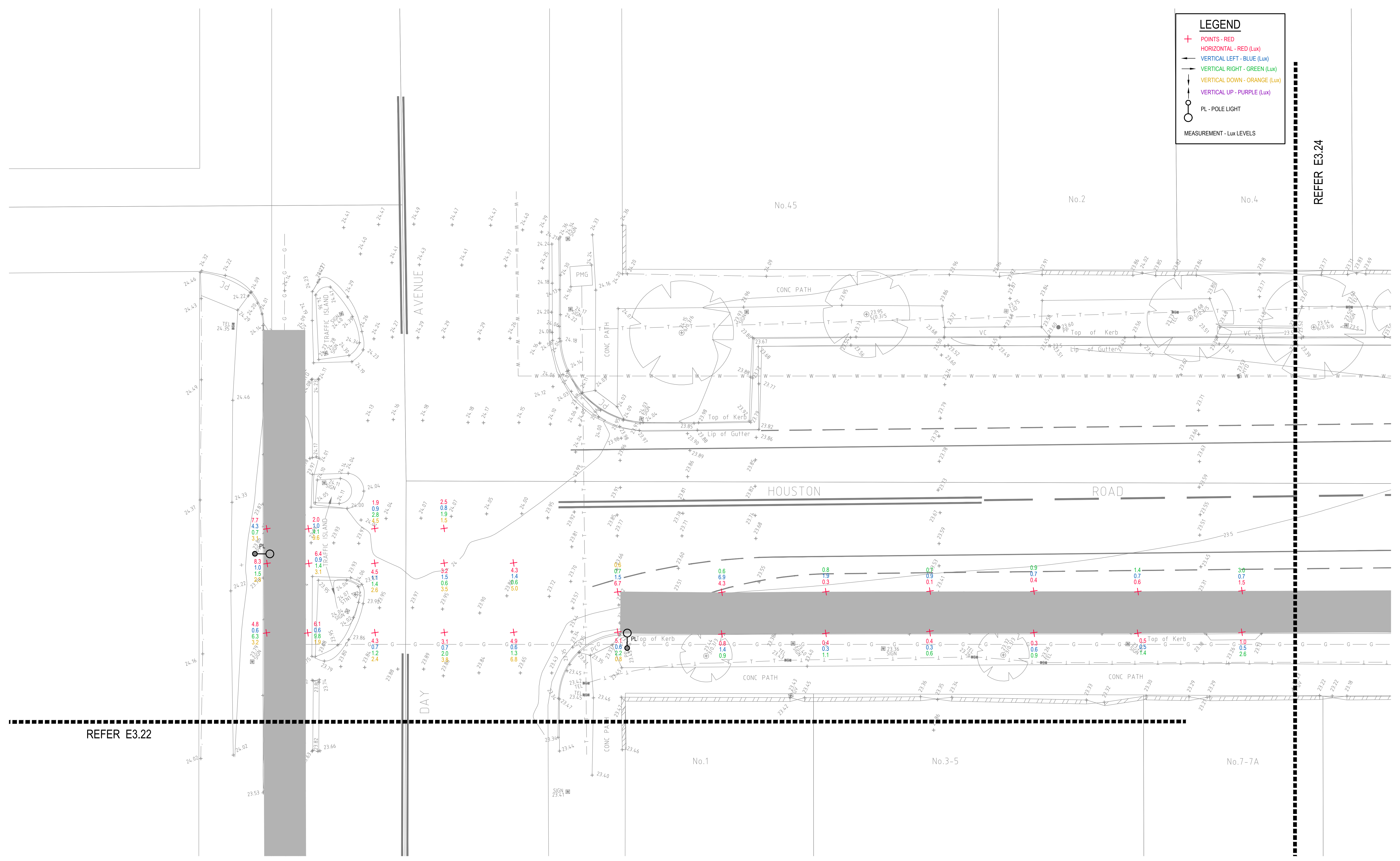
Drawing Title		Scale		Q.A. Check	
SITE AUDIT - EXISTING LIGHTING LEVELS		1:100		WN	
SHEET 22				05.02.18	
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.22	A		

DRAWING UNDER REVISION **NOT FOR CONSTRUCTION**

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS



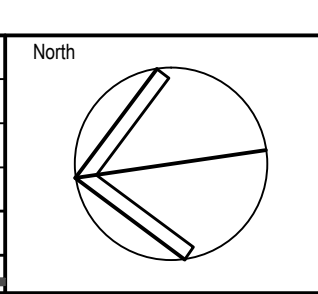
REFER E3.24

REFER E3.22

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd, ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

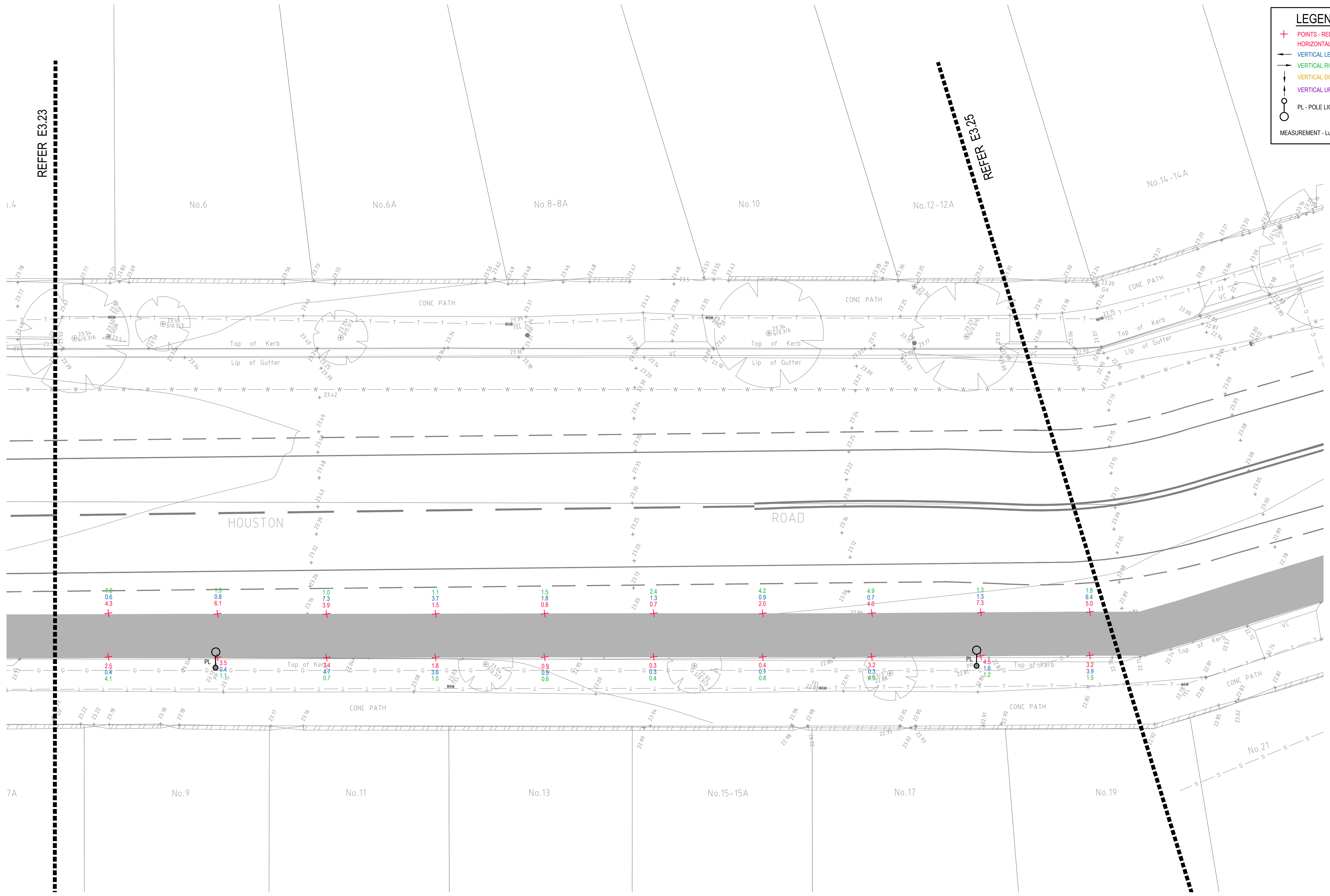
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 23				
Drawn SY	Date JAN 2018	Scale 1:100	A1 Q.A. Check WN	Date 05.02.18
Designed BS & LW		Project No. SY170790		Issue E3.23
				A

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

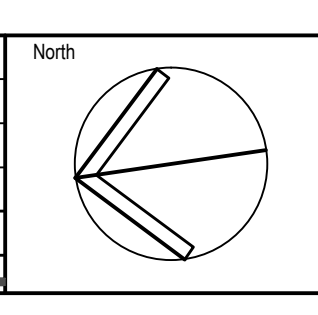


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

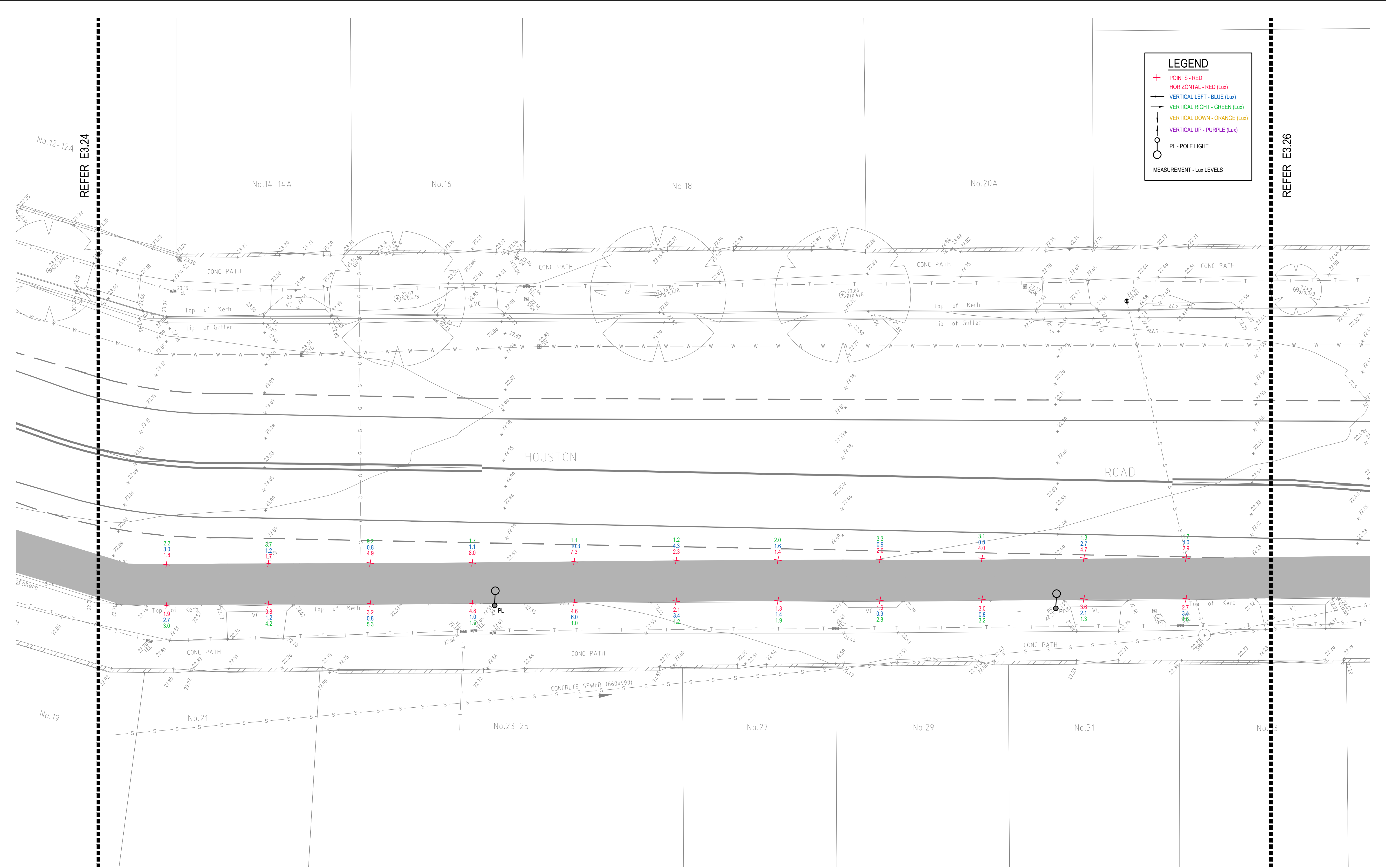
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 24				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg. No.	Issue	Date
BS & LW	SY170790	E3.24	A	05.02.18

P:\2017\170790\170790-EXISTING LIGHTING LEVELS.DWG

LEGEND

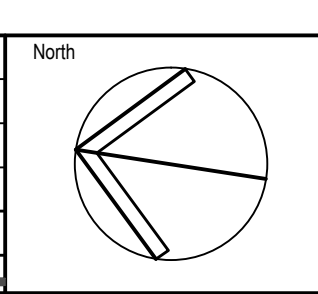
- + POINTS - RED (Lux)
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

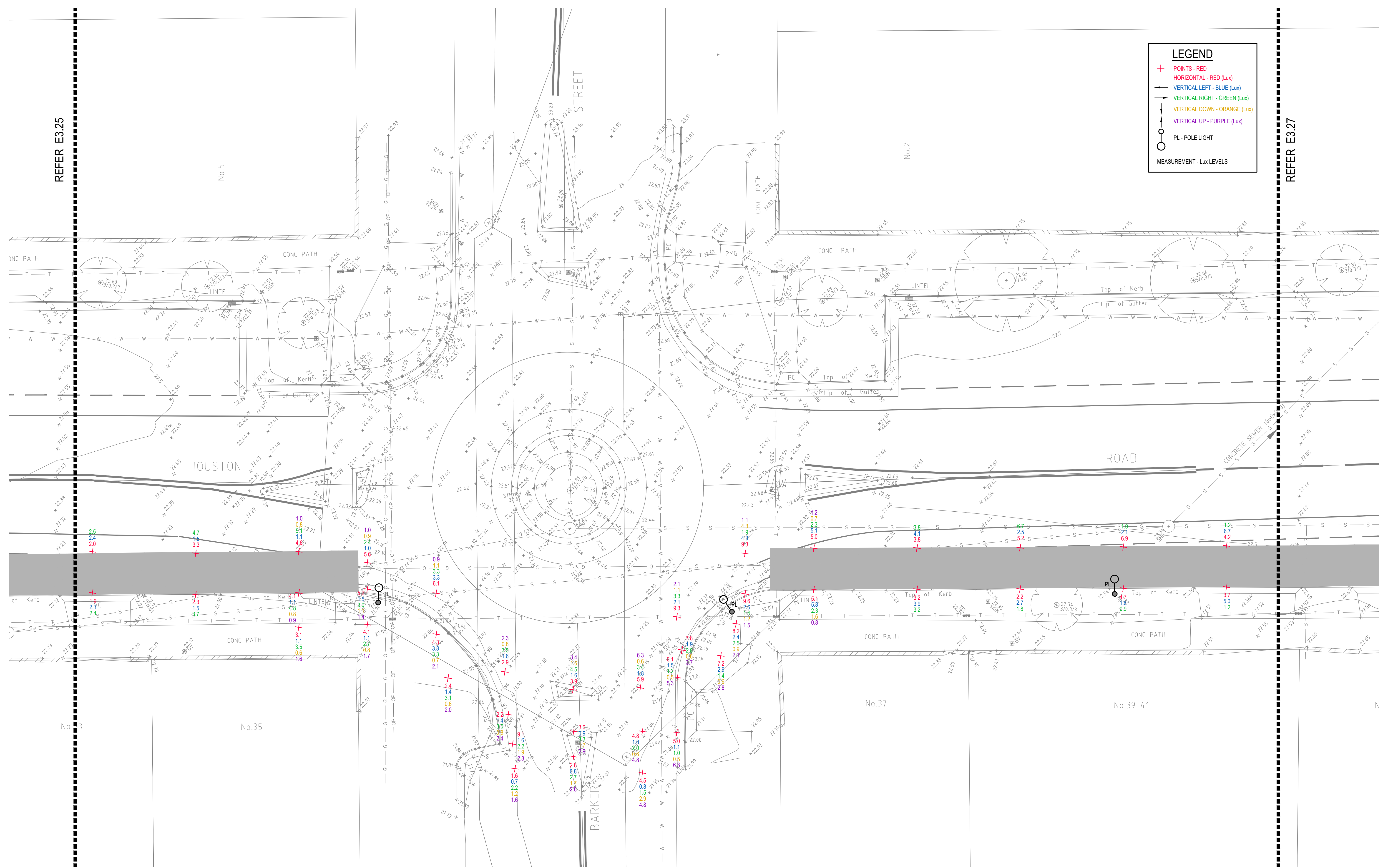
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 25				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2017	1:100		WN
Designed	Project No.	Dwg. No.	Issue	Date
BS & LW	SY170790	E3.25	A	05.02.18



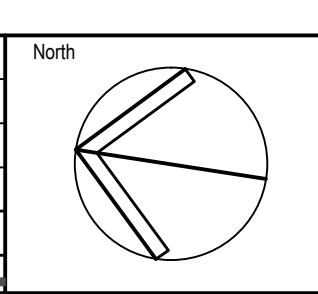
LEGEND

- + POINTS - RED (Lux)
- ↖ VERTICAL LEFT - BLUE (Lux)
- ↗ VERTICAL RIGHT - GREEN (Lux)
- ↘ VERTICAL DOWN - ORANGE (Lux)
- ↙ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

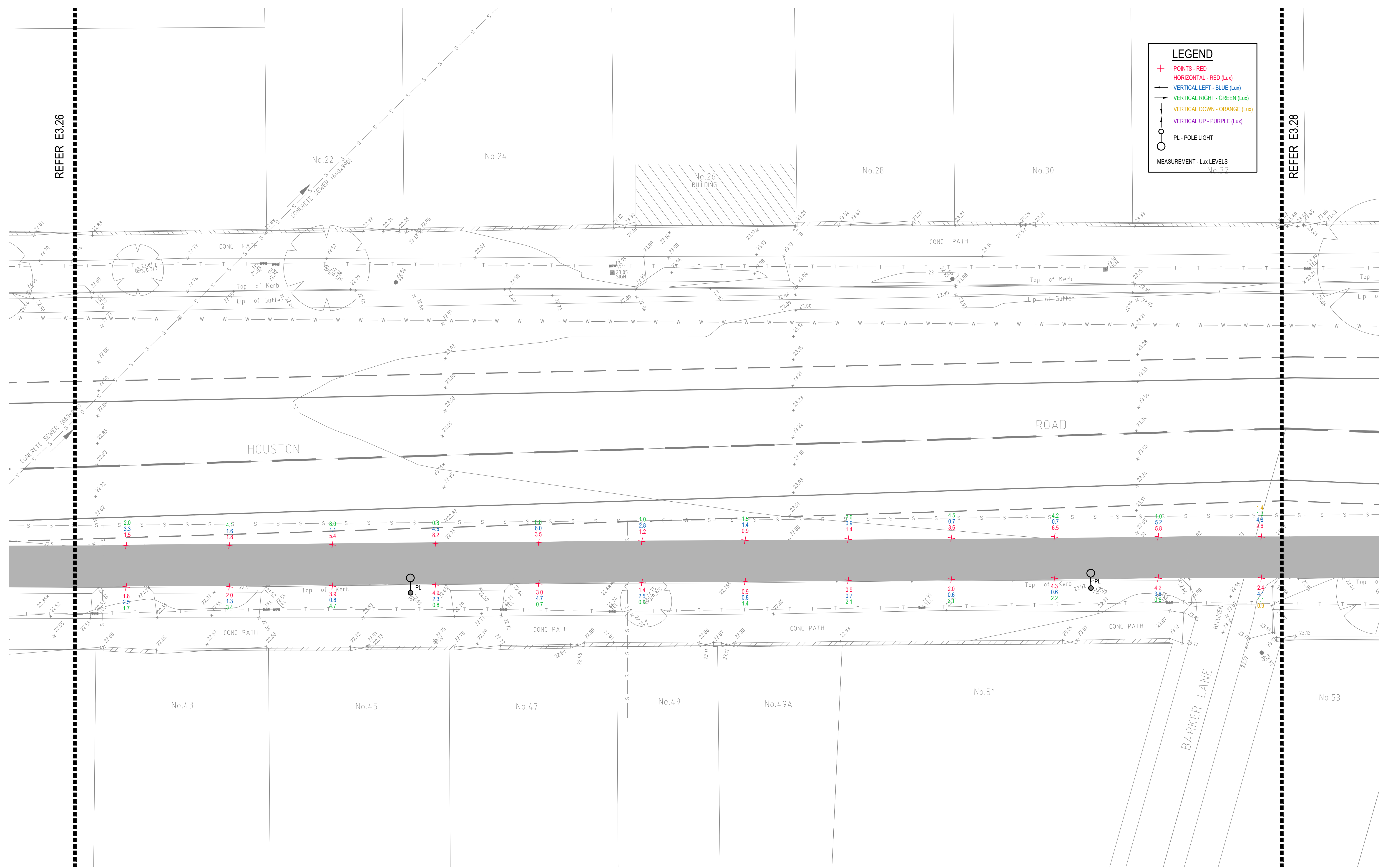
ACOR CONSULTANTS

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed				Dwg. No.	Issue
BS & LW				SY170790	E3.26 A



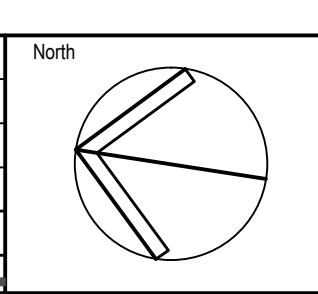
LEGEND

- ⊕ POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098
ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

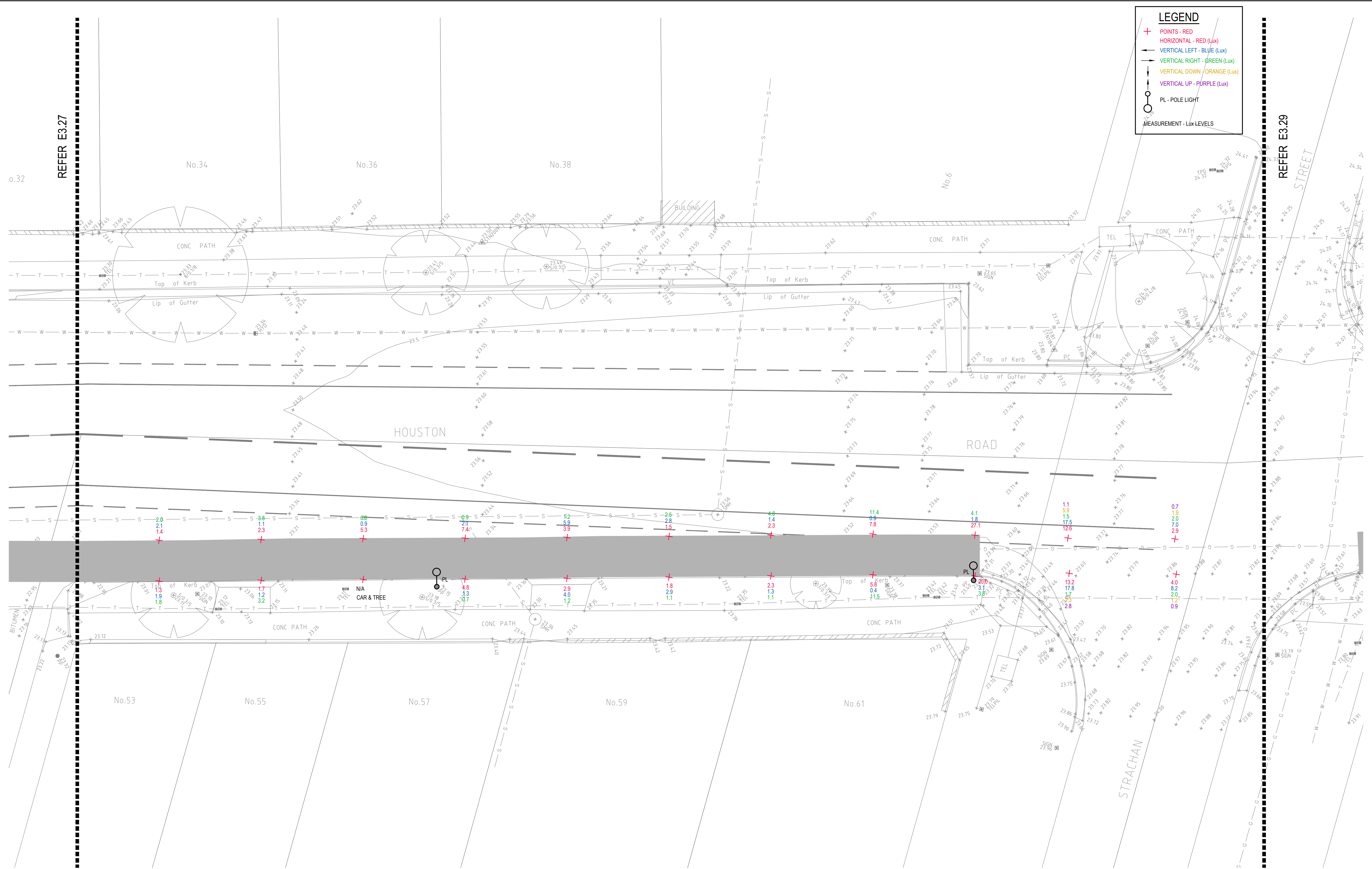
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100	WN	05.02.18	
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.27	A		

P:\SY170790\randwick\cycleway\sydney\sydney\EST.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North

A	INITIAL ISSUE	05.02.18	SY	WN
Issue	Description	Date	Drawn	Approved

Client
Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP GSA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

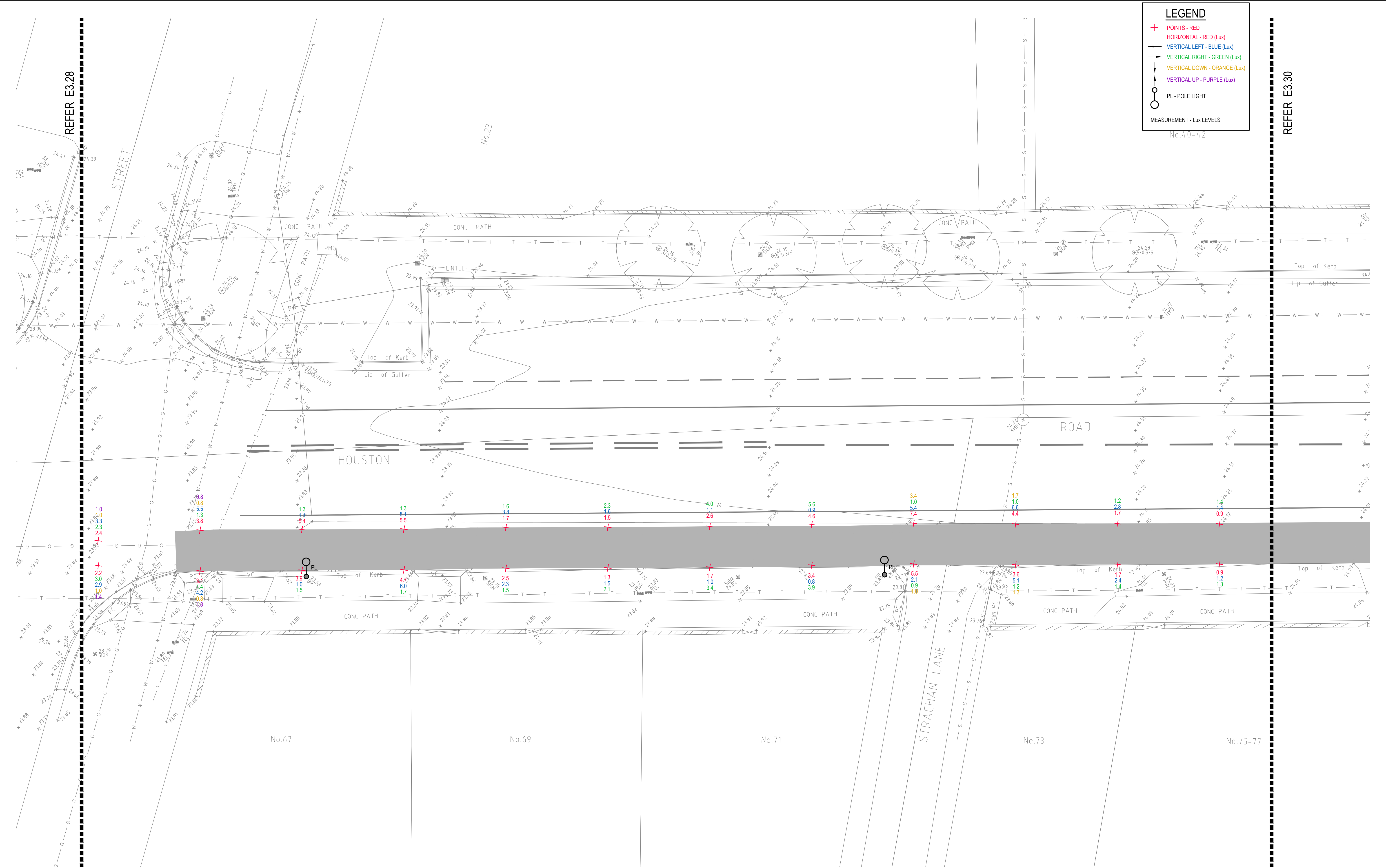
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.		Issue	
BS & LW	SY170790	E3.28		A	

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

No.40-42

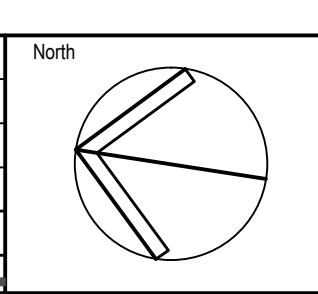


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP GSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

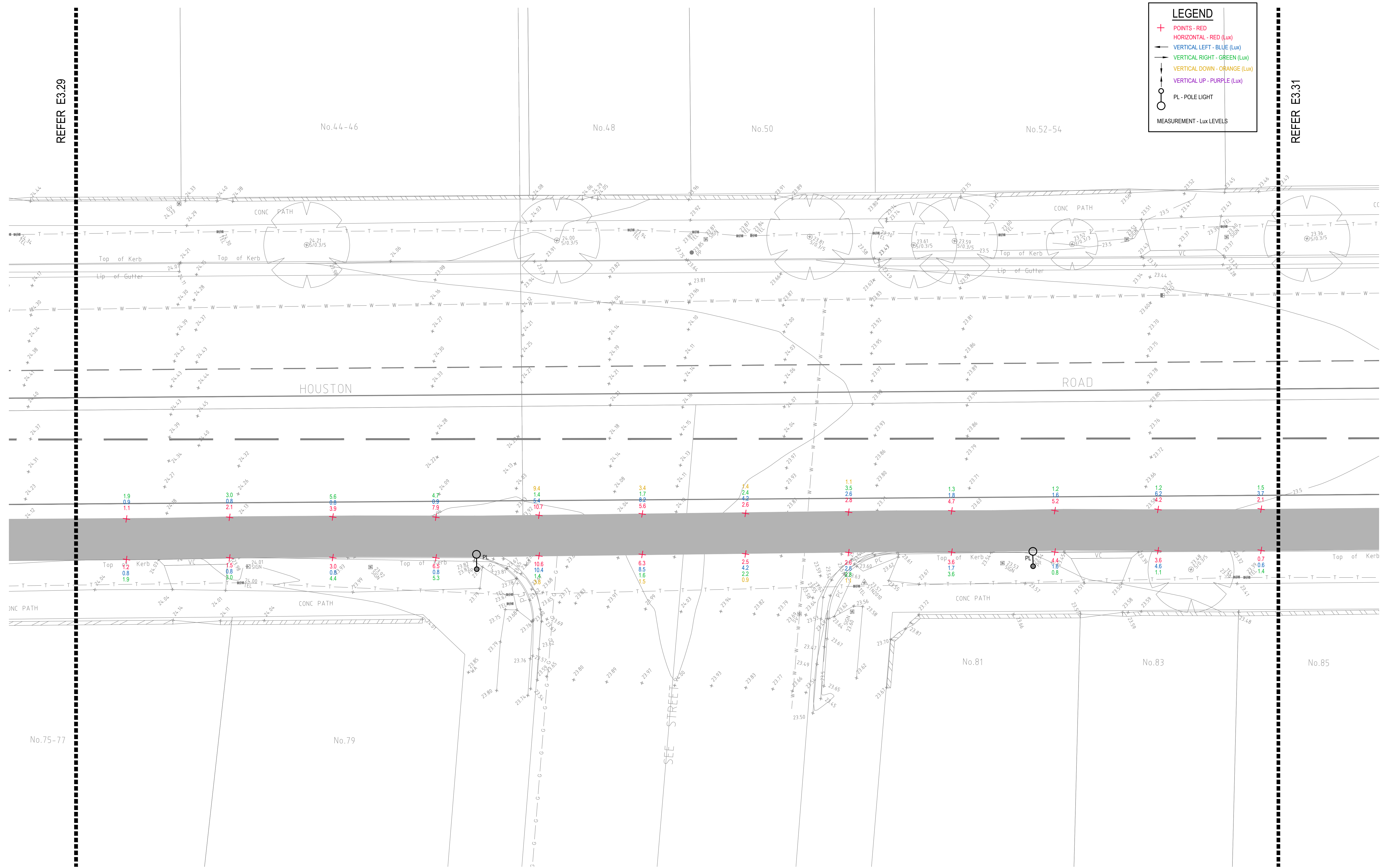
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 29					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.29	A		

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN

Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

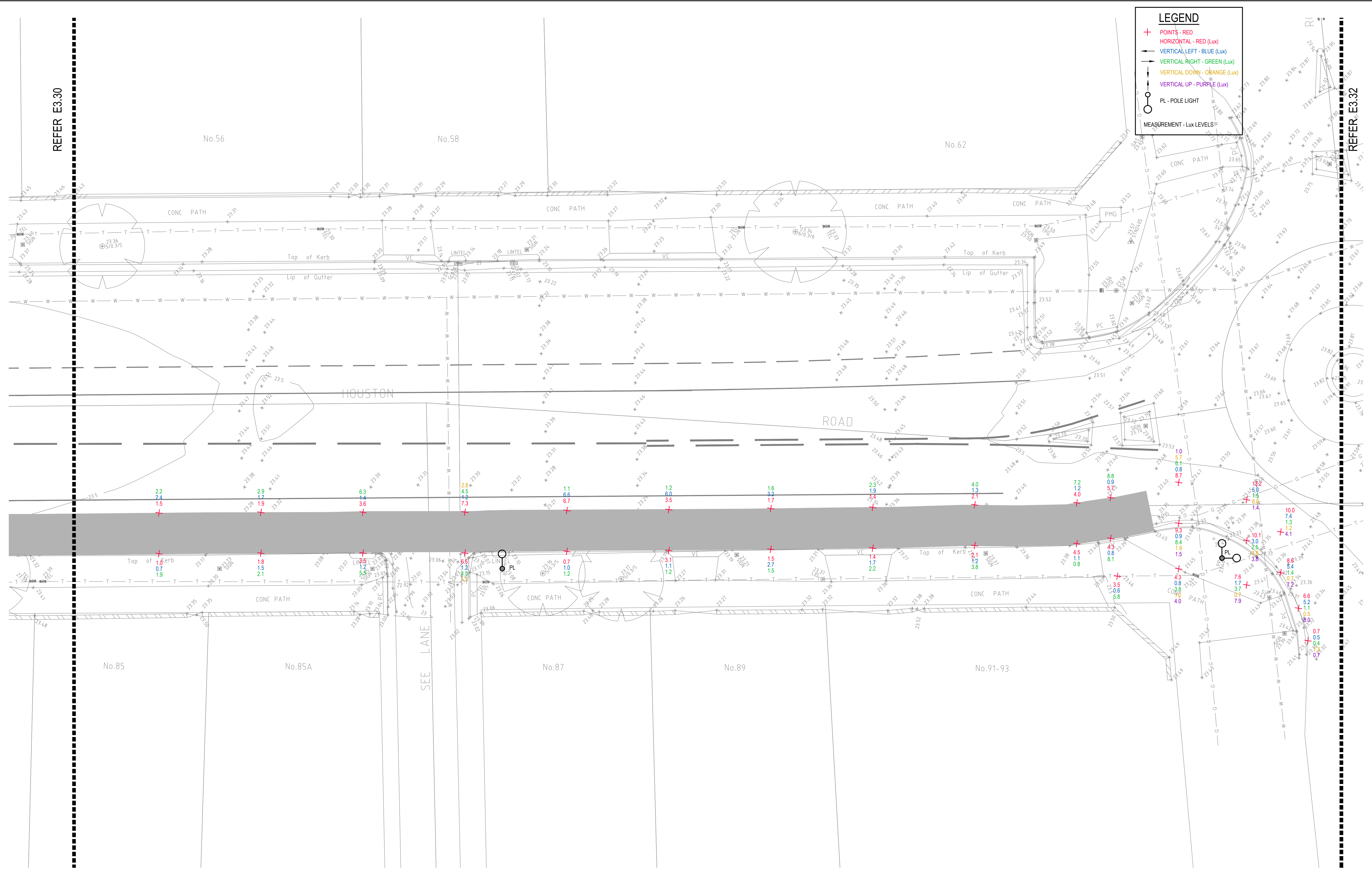
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
 RANDWICK CITY COUNCIL
 CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title		SITE AUDIT - EXISTING LIGHTING LEVELS	
SHEET 30			
Drawn	Date	Scale	A1
SY	JAN 2018	1:100	WN
Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.30	A



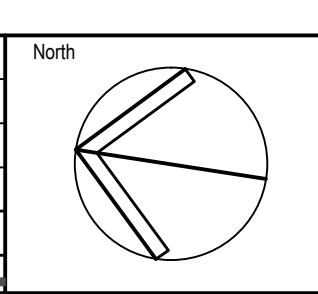
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

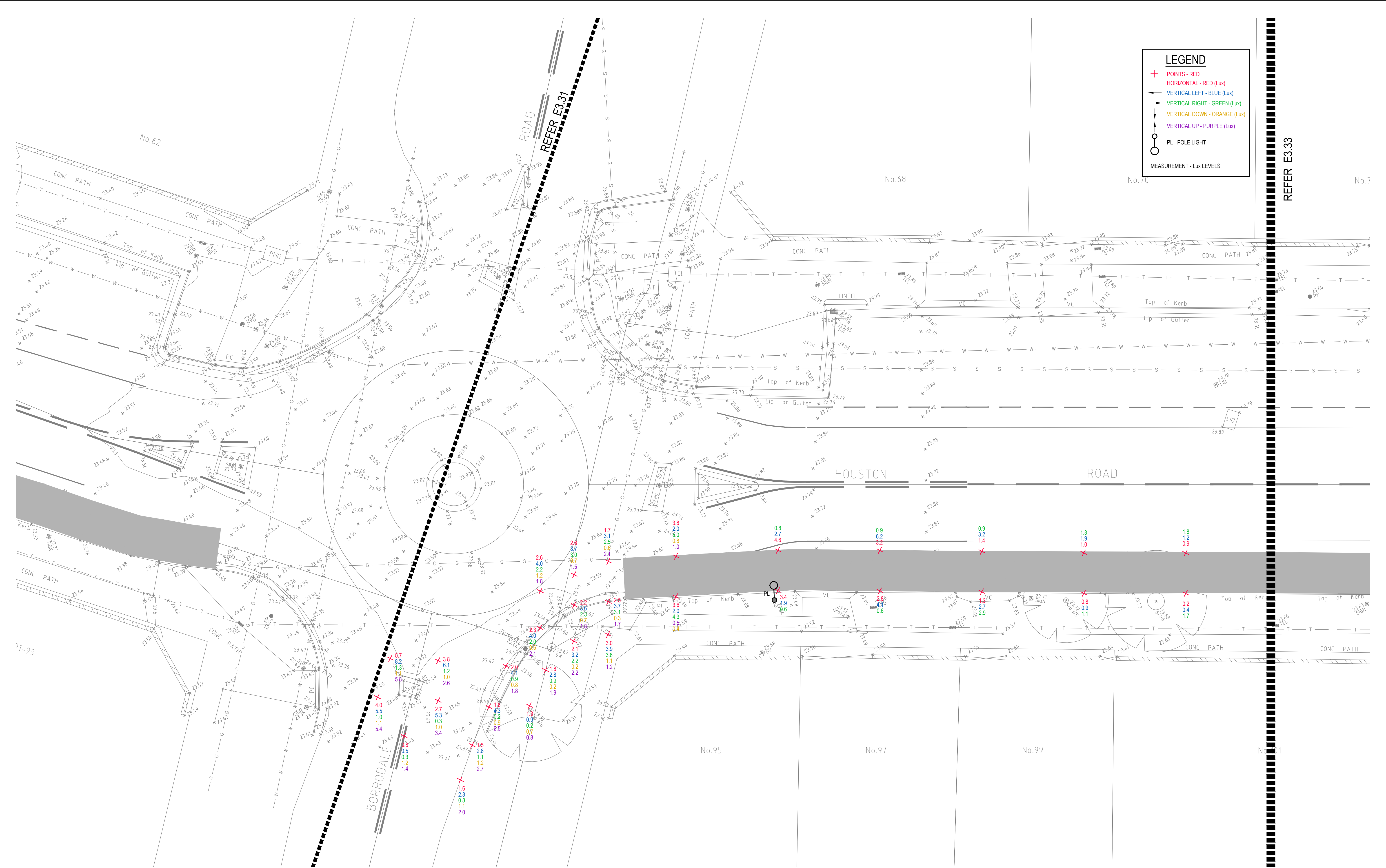
ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.31	A

P:\2017\170790\randwick\cycleway\sydney\EST.dwg



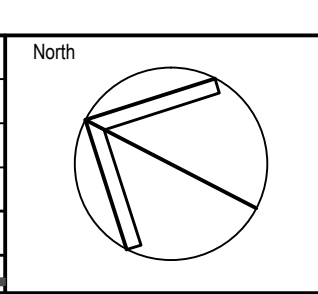
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue		Date	Drawn	Approved
A INITIAL ISSUE		05.02.18	SY	WN
Issue Description		Date	Drawn	Approved



Client
Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUPSA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

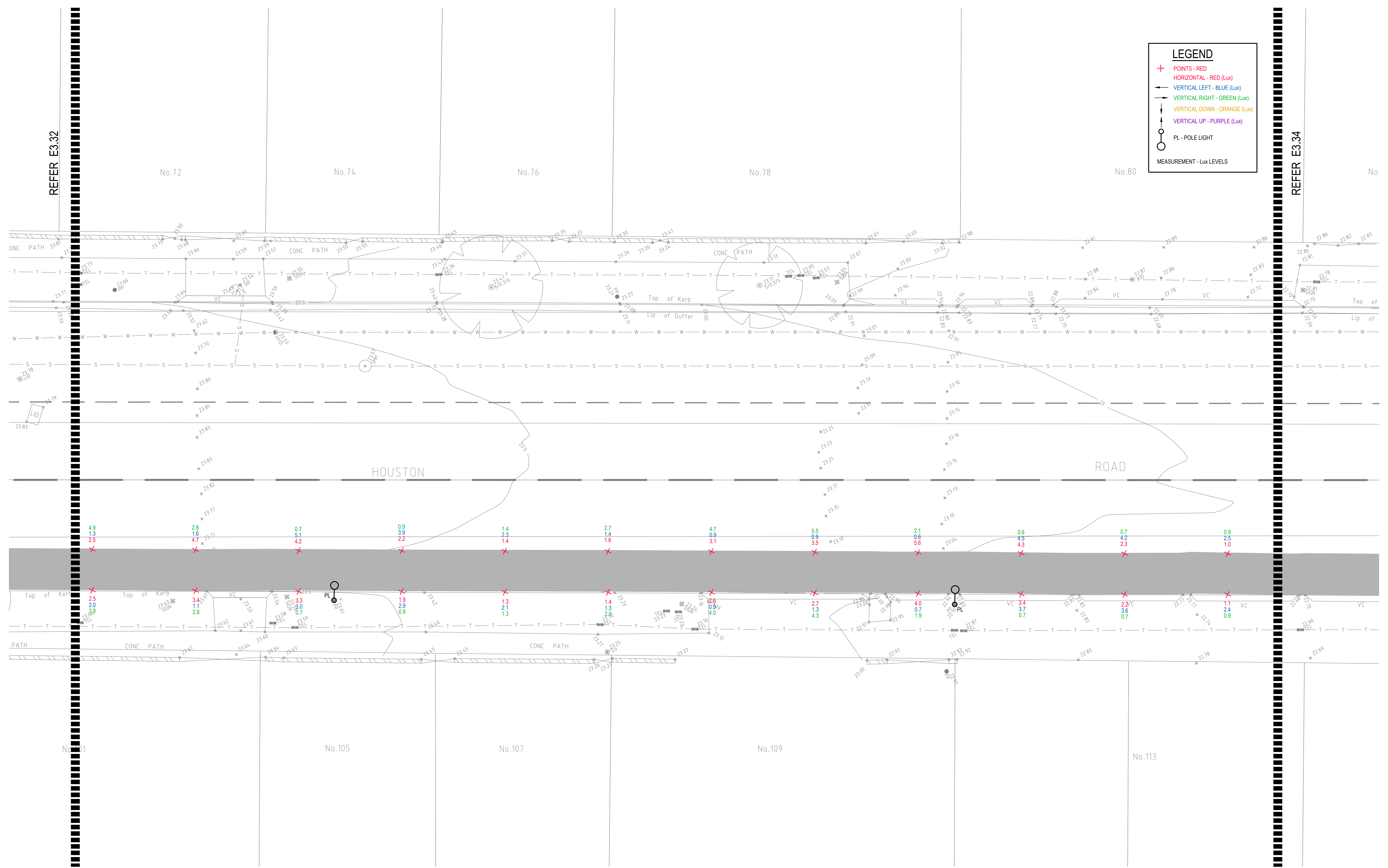
ACOR
CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 32				
Drawn SY	Date JAN 2018	Scale 1:100	A1	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.32	Q.A. Check WN	Issue A

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

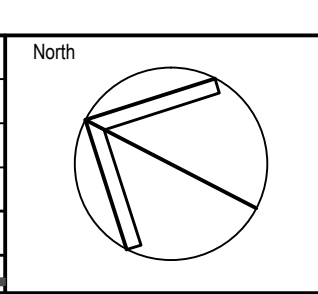


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

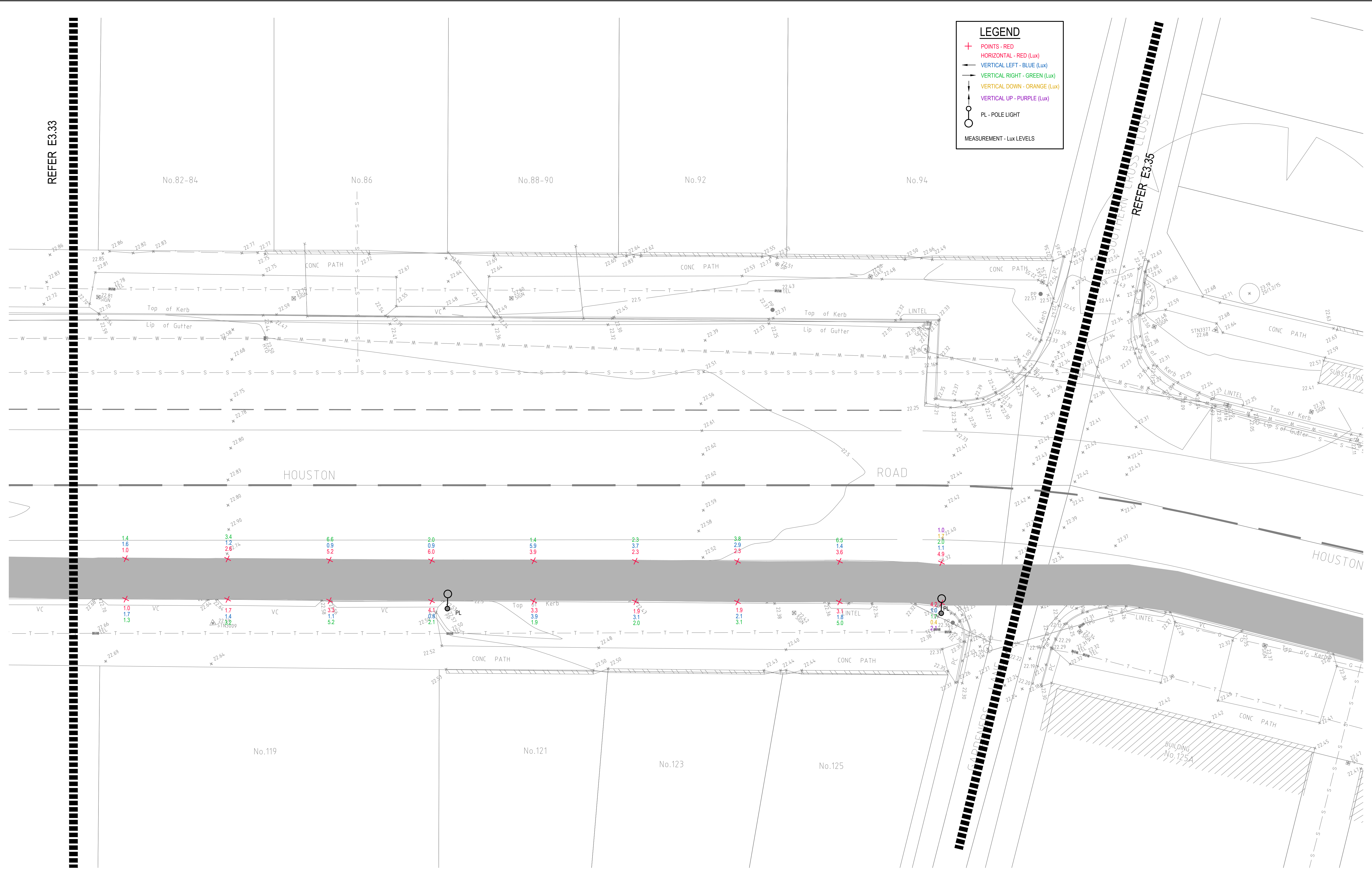
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

ACOR
 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 33				
Drawn SY	Date JAN 2018	Scale 1:100	A1 Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.33	Issue A	

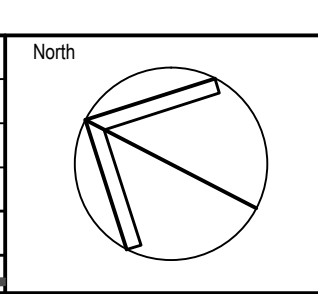


LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- | VERTICAL LEFT - BLUE (Lux)
- | VERTICAL RIGHT - GREEN (Lux)
- | VERTICAL DOWN - ORANGE (Lux)
- | VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

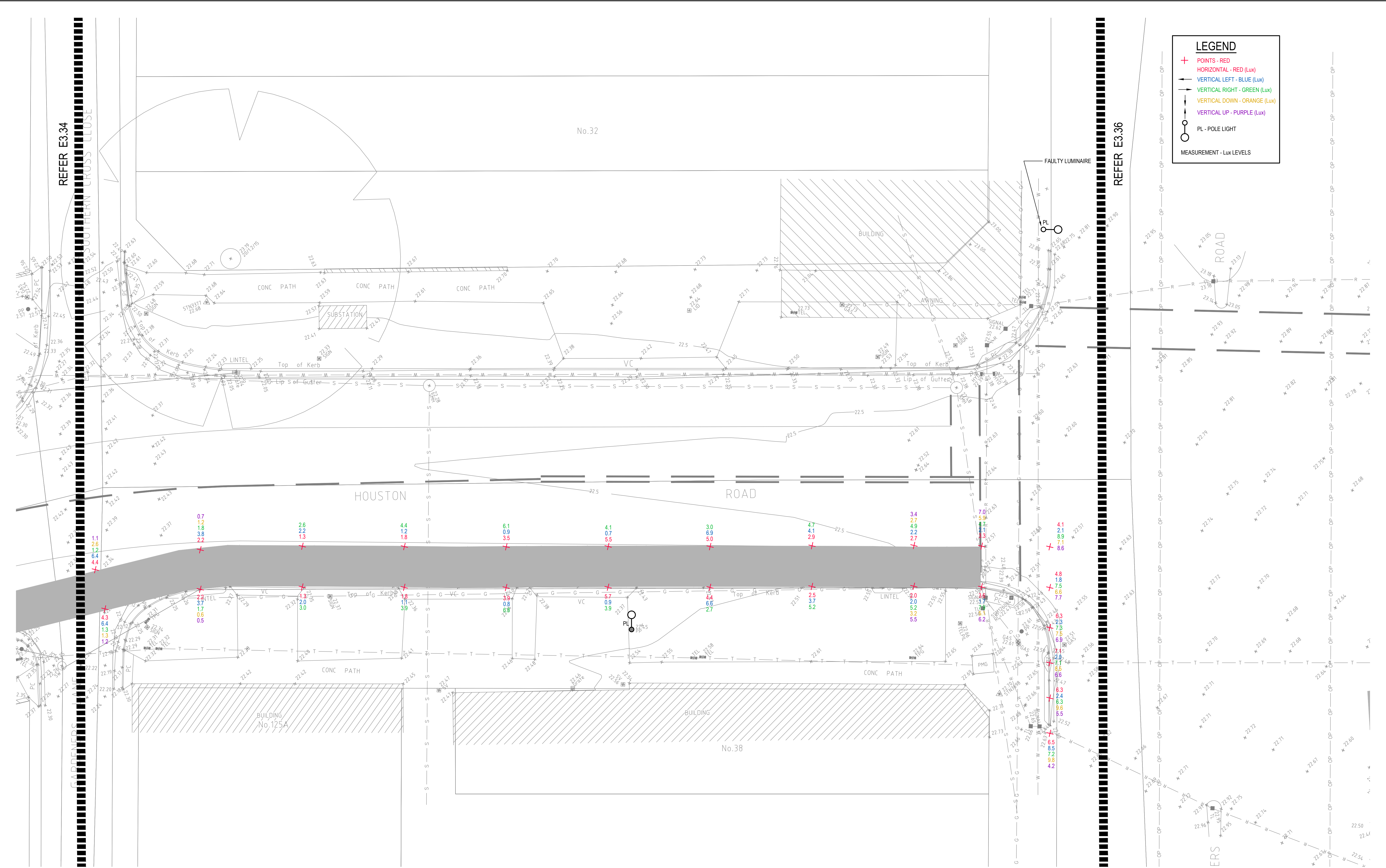
Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 34				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg No.	Issue	Date
BS & LW	SY170790	E3.34	A	05.02.18

DRAWING UNDER REVISION NOT FOR CONSTRUCTION



LEGEND

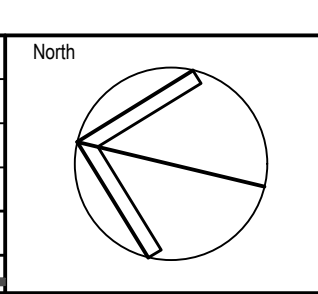
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP GSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

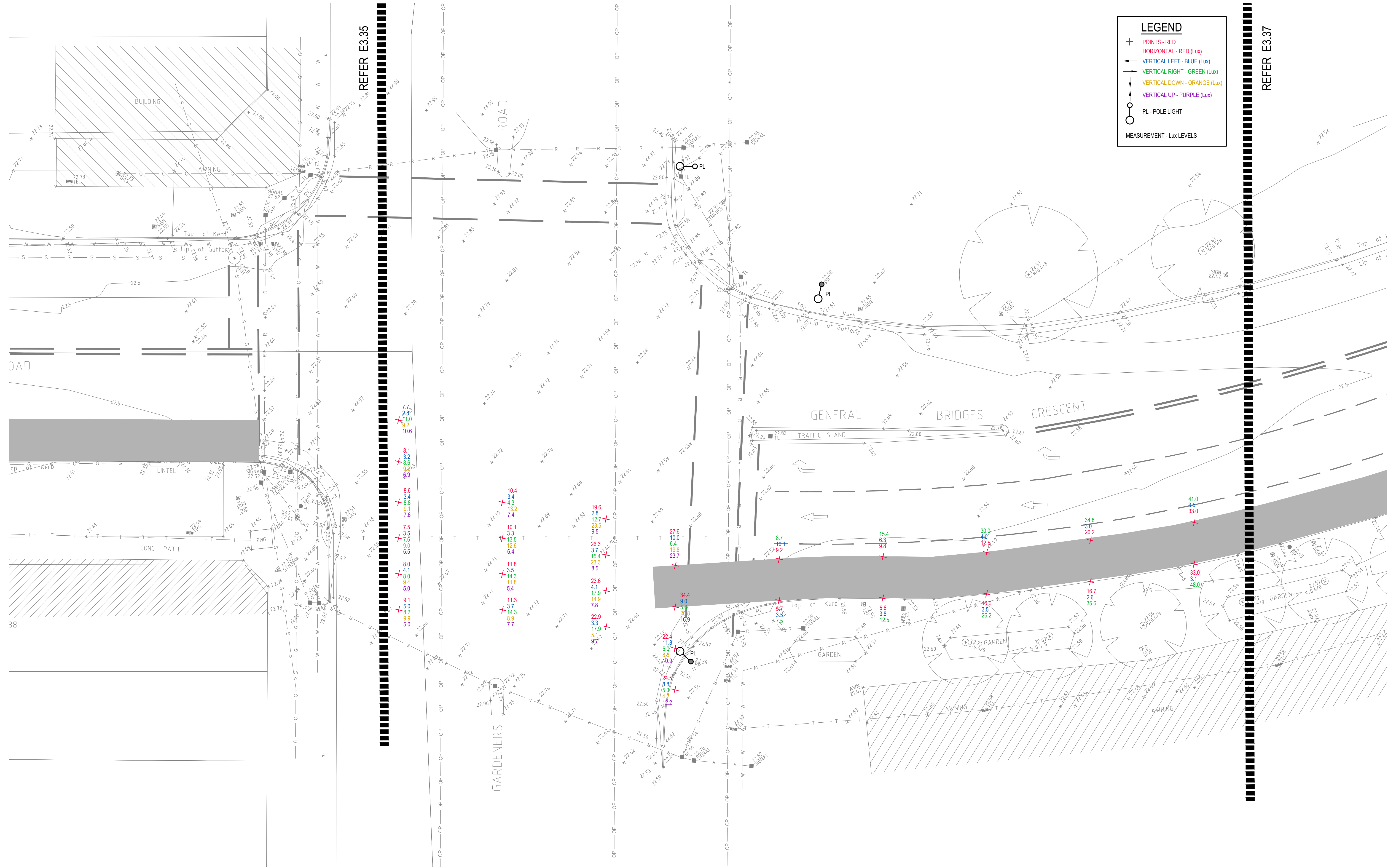
ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 35				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg No.	Issue	Date
BS & LW	SY170790	E3.35		05.02.18



LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

REFER E3.35

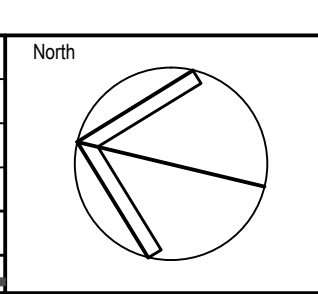
REFER E3.37

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title
 SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 36

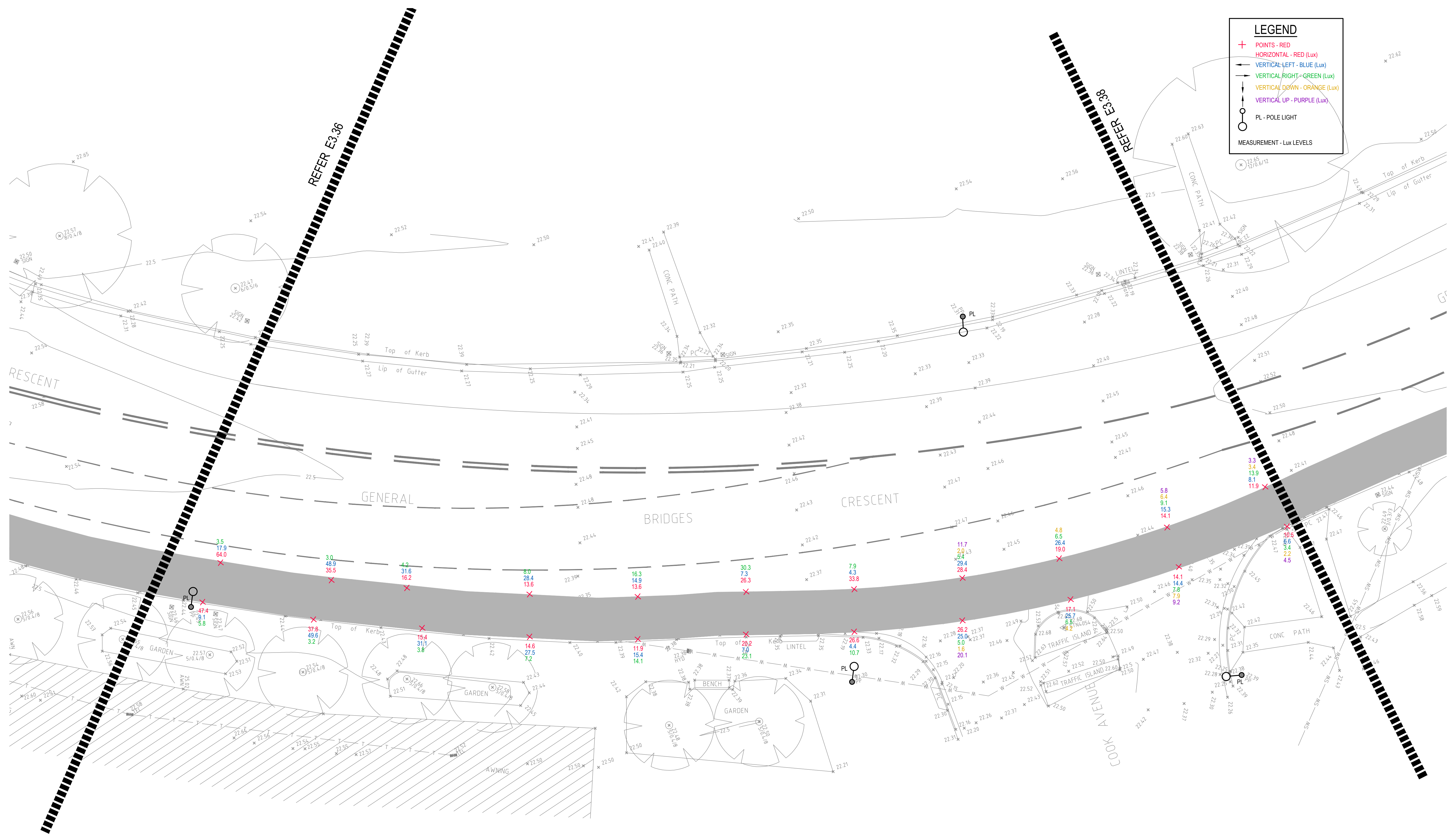
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.36	A

P:\SY170790\Randwick City Council\Drawings\SY170790_E3.36.dwg

LEGEND

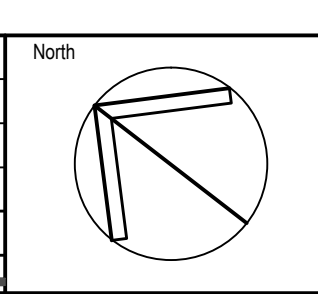
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN




Client

 Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

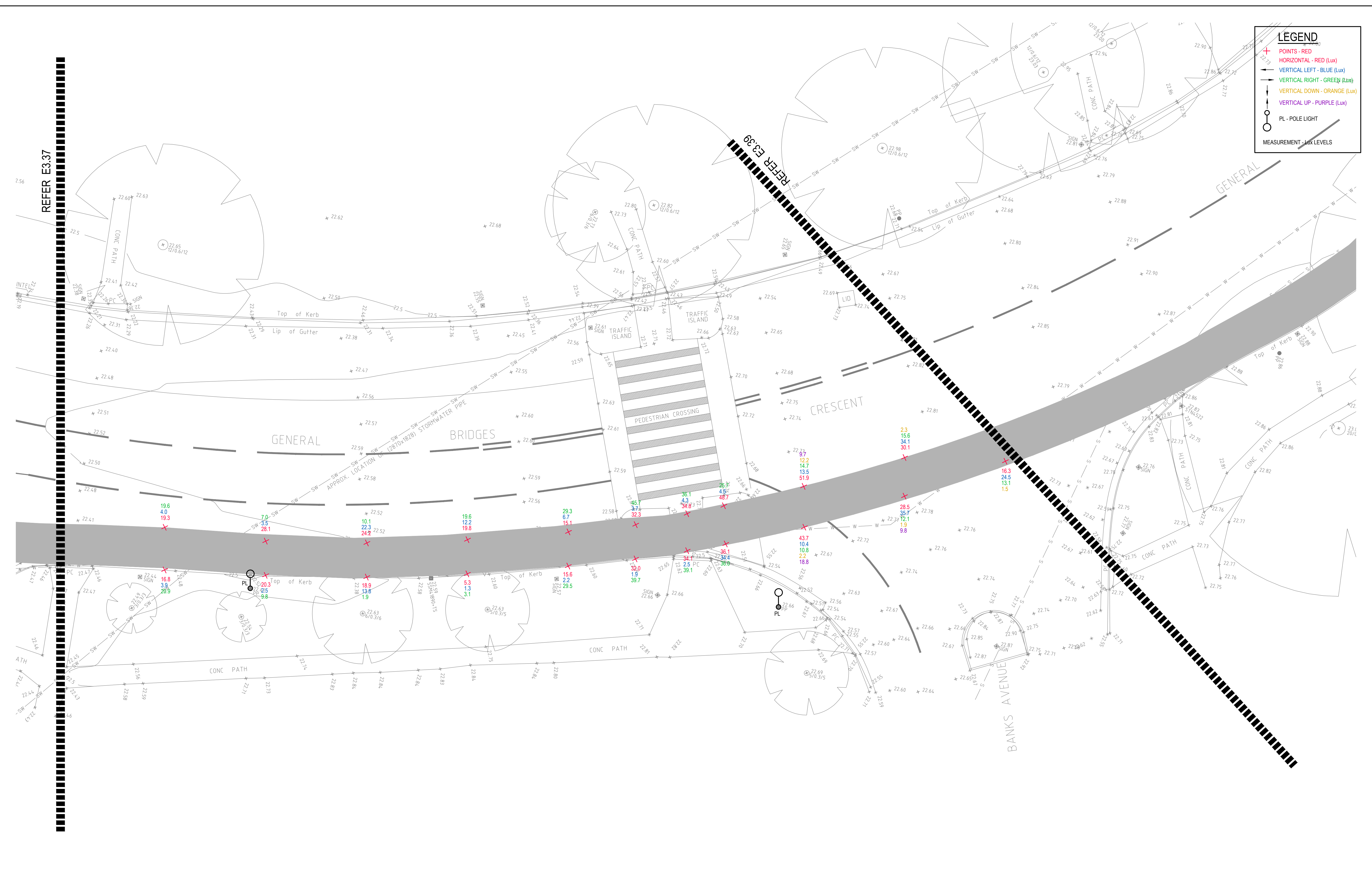
DRAWING UNDER REVISION NOT FOR CONSTRUCTION

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title
SITE AUDIT - EXISTING LIGHTING LEVELS
 SHEET 37

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.37	A

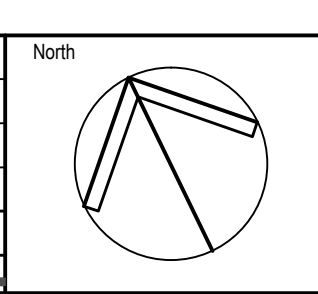


LEGEND	
+	POINTS - RED
—	HORIZONTAL - RED (Lux)
—	VERTICAL LEFT - BLUE (Lux)
—	VERTICAL RIGHT - GREEN (Lux)
—	VERTICAL DOWN - ORANGE (Lux)
—	VERTICAL UP - PURPLE (Lux)
○	PL - POLE LIGHT
—	MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North	
A	INITIAL ISSUE	05.02.18	SY WN
Issue	Description	Date	Drawn / Approved
[Signature]		[Signature]	



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

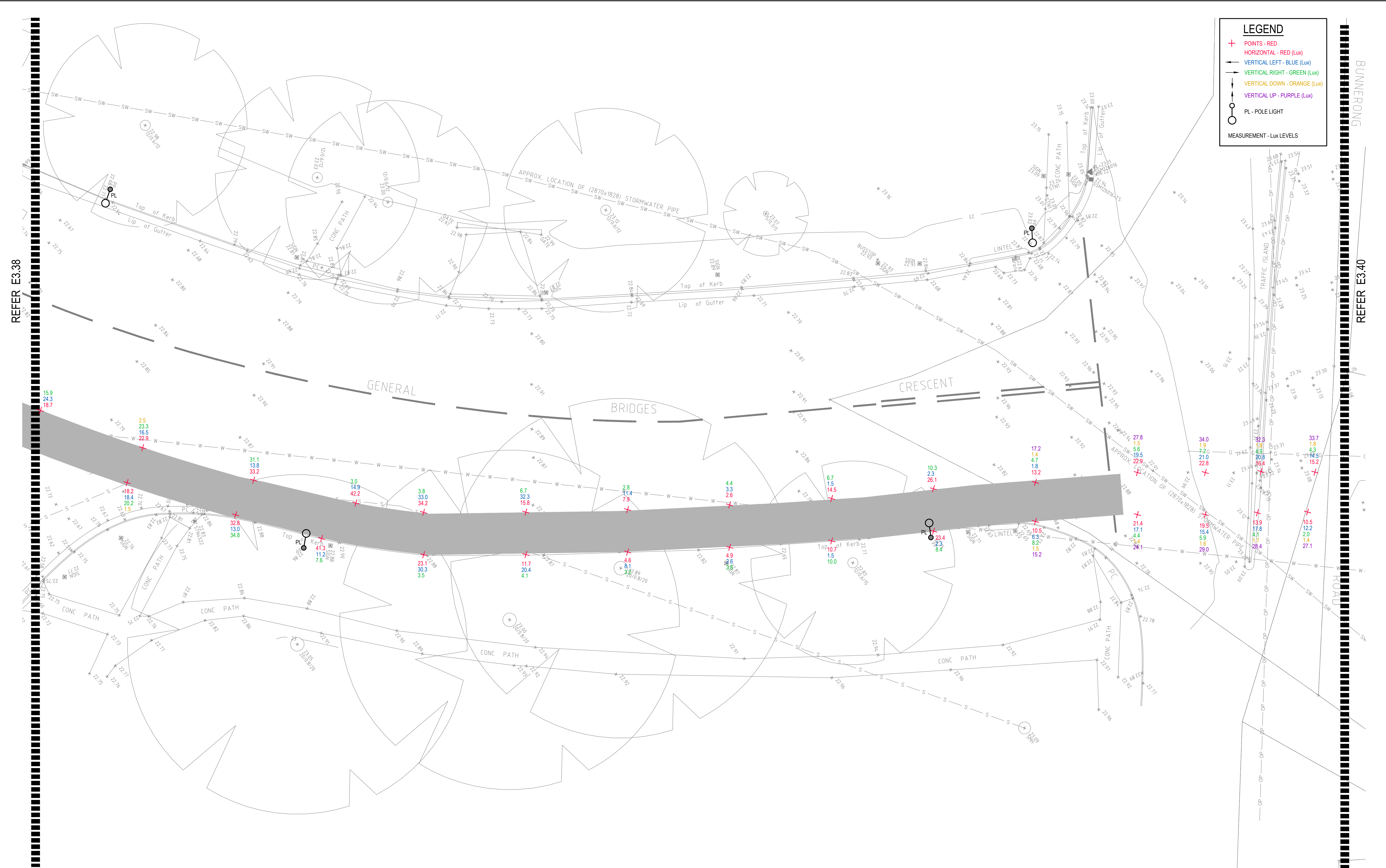
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
 RANDWICK CITY COUNCIL
 CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title			
SITE AUDIT - EXISTING LIGHTING LEVELS			
SHEET 38			
Drawn	Date	Scale	A1
SY	JAN 2018	1:100	WN
Designed	Project No.	Dwg No.	Issue
BS & LW	SY170790	E3.38	A



LEGEND

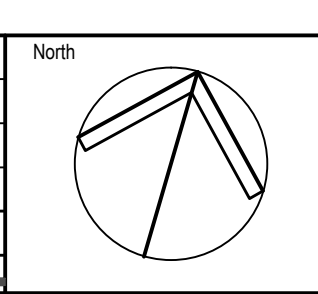
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

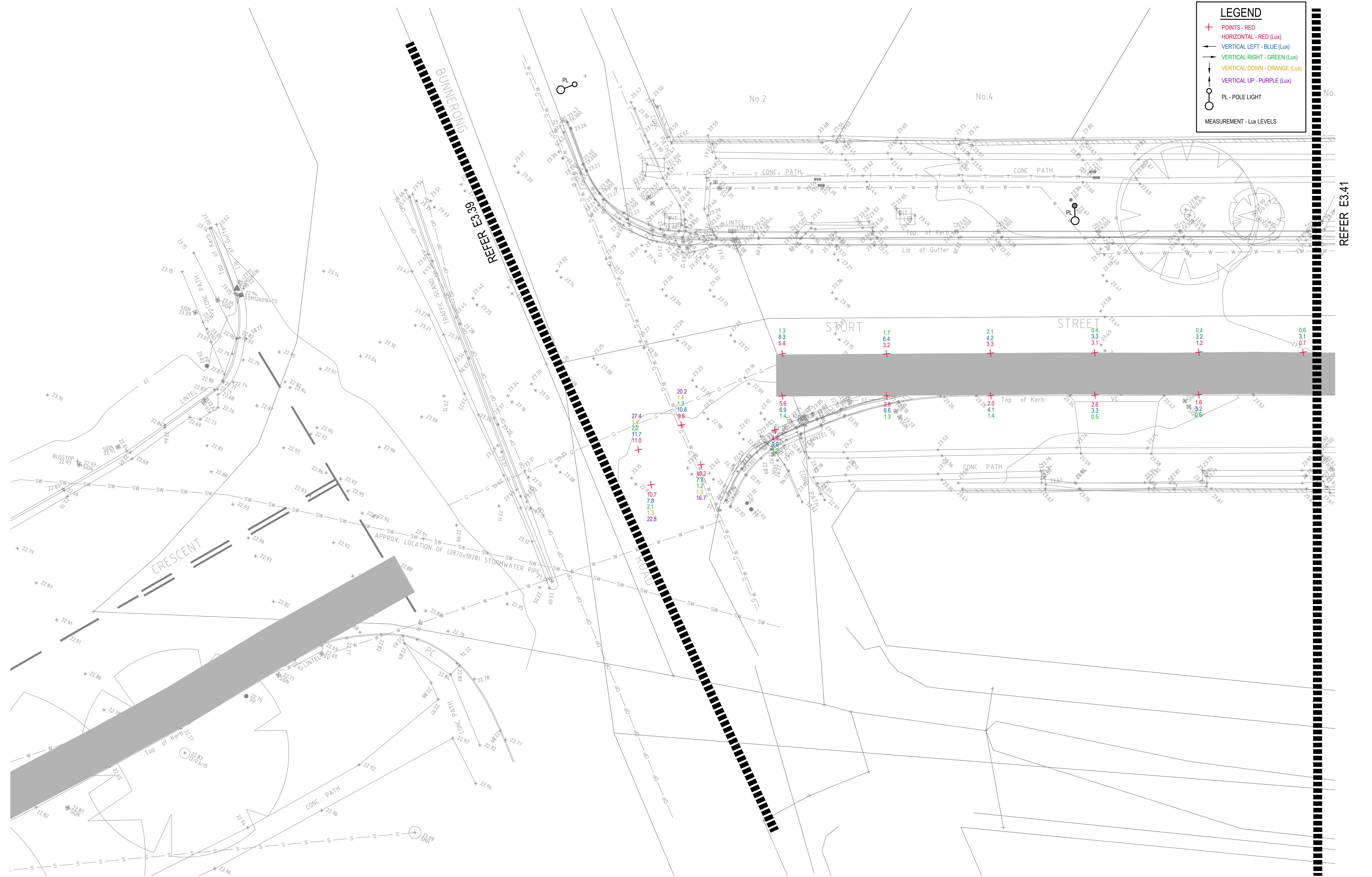
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title		Scale		Q.A. Check		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		1:100		WN		05.02.18	
SHEET 39							
Drawn	Date	Scale	A1	Q.A. Check	Date		
SY	JAN 2018	1:100		WN	05.02.18		
Designed	Project No.		Dwg. No.		Issue		
BS & LW	SY170790		E3.39		A		

LEGEND

- + POINTS - RED
- HORIZONTAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

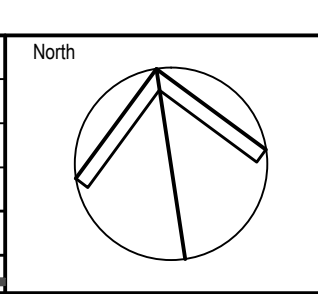
MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:			
A	INITIAL ISSUE	05.02.18	SY WN
Issue	Description	Date	Drawn Approved



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP GSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR CONSULTANTS Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

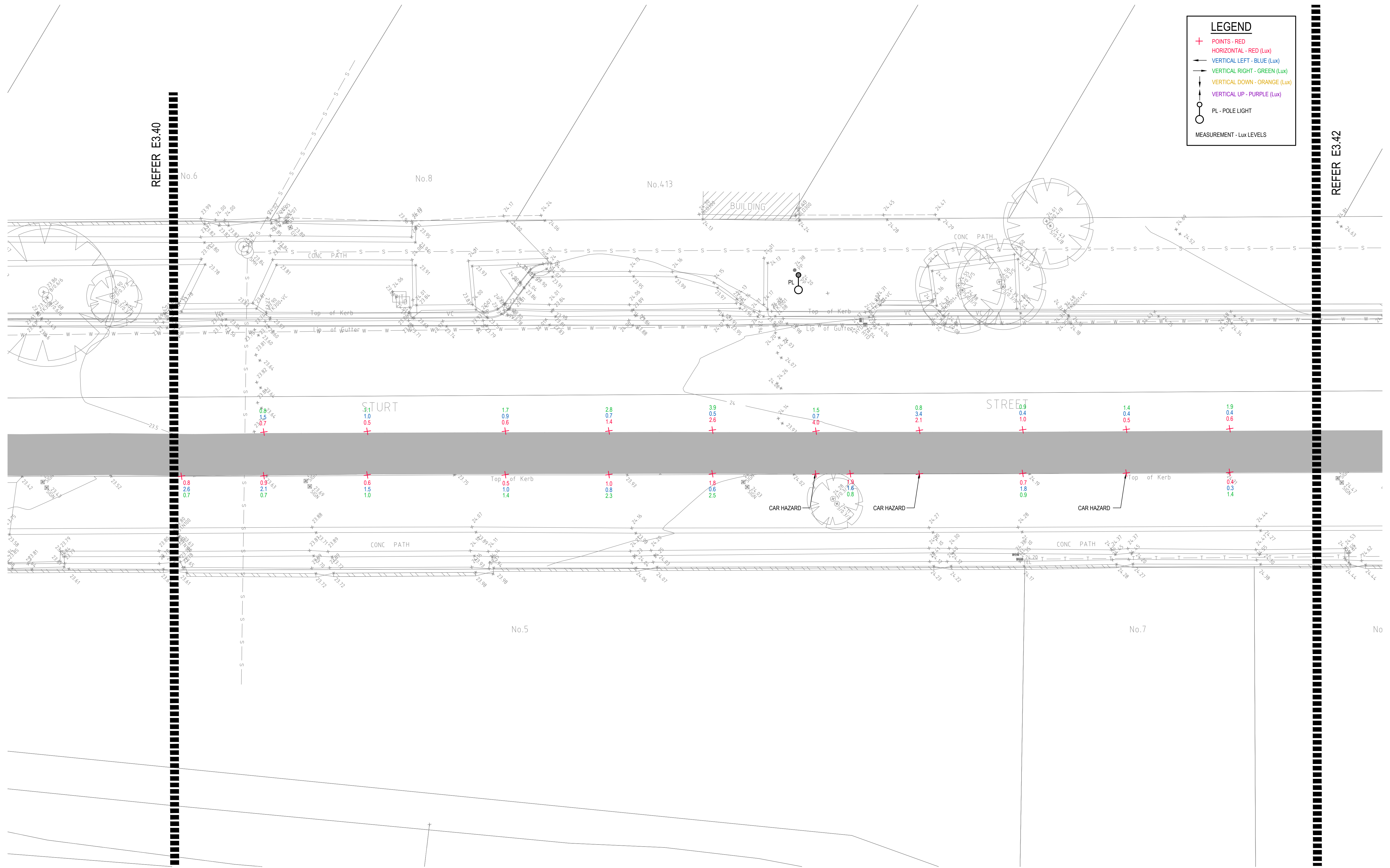
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 40					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.40	Issue A		

LEGEND

- + POINTS - RED (Lux)
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS



REFER E3.40

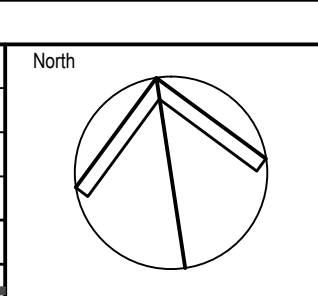
REFER E3.42

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

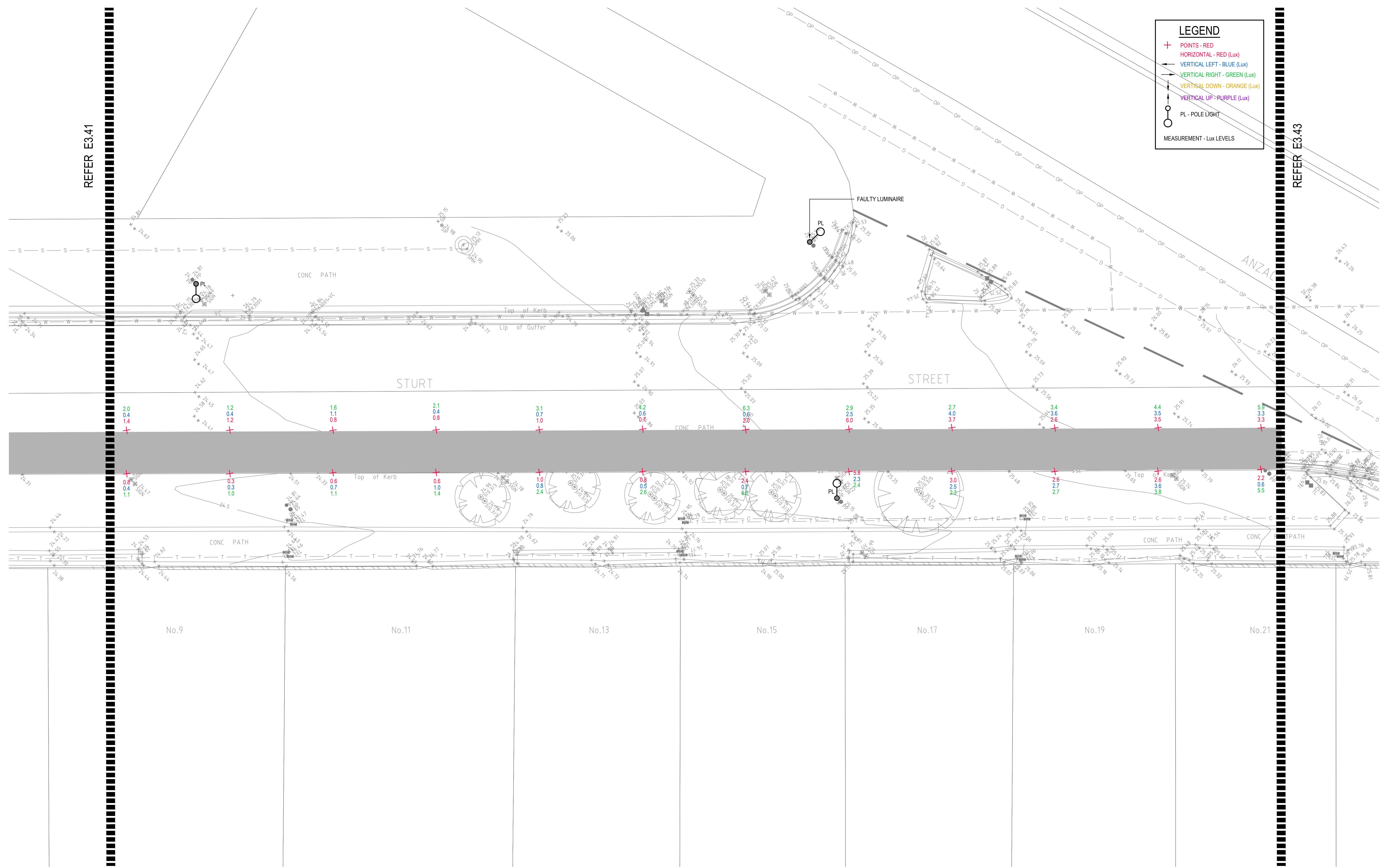
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 41				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100	WN	05.02.18
Designed	Project No.	Dwg. No.	Issue	
BS & LW	SY170790	E3.41	A	

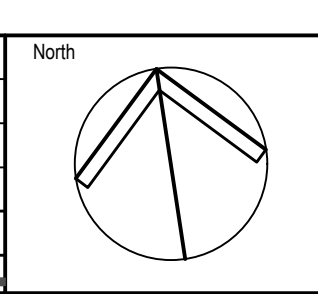
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

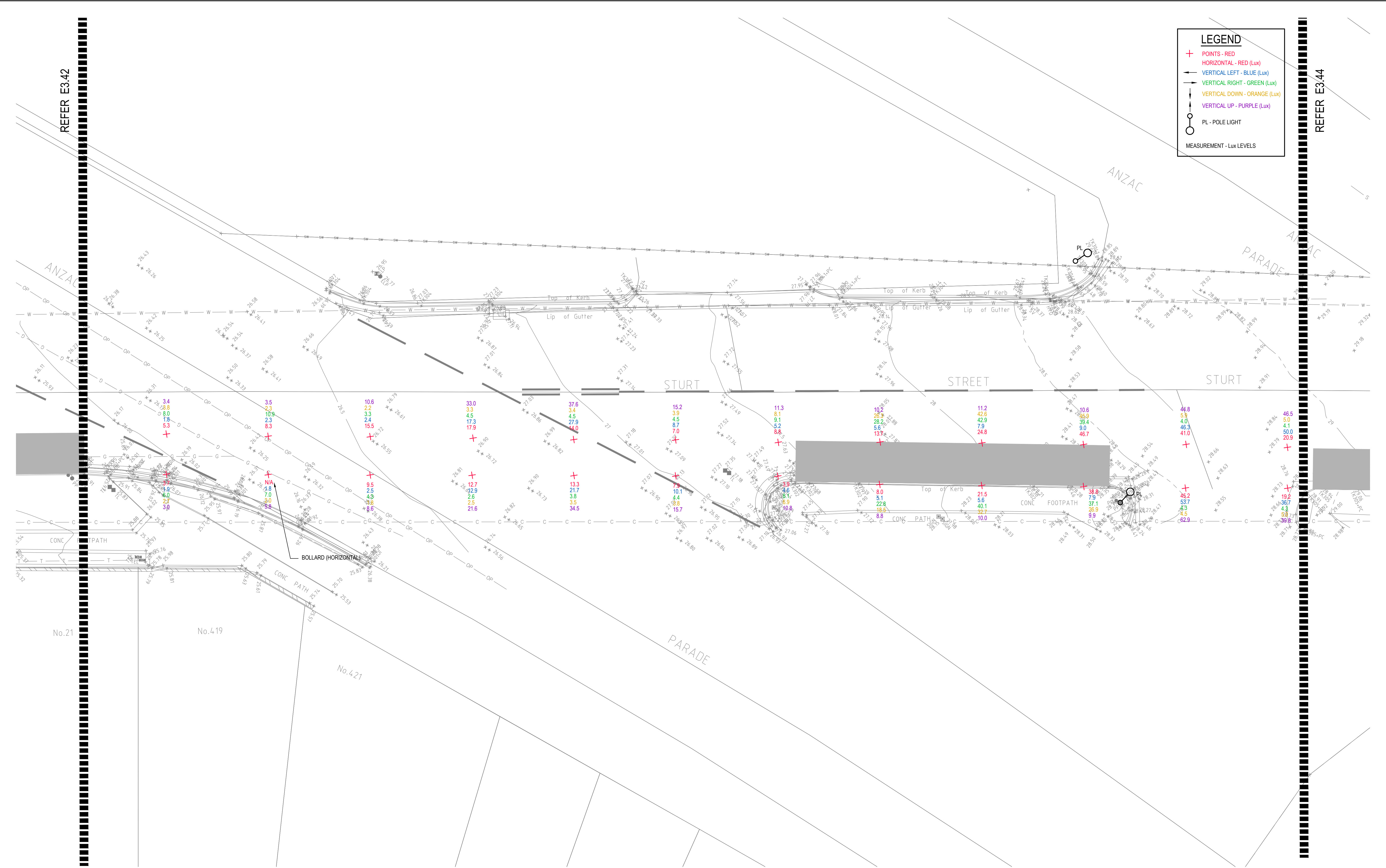
Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 42					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.42	Issue A		

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

- + POINTS - RED
- ← HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- ↑ VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

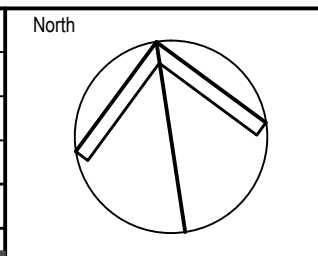


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

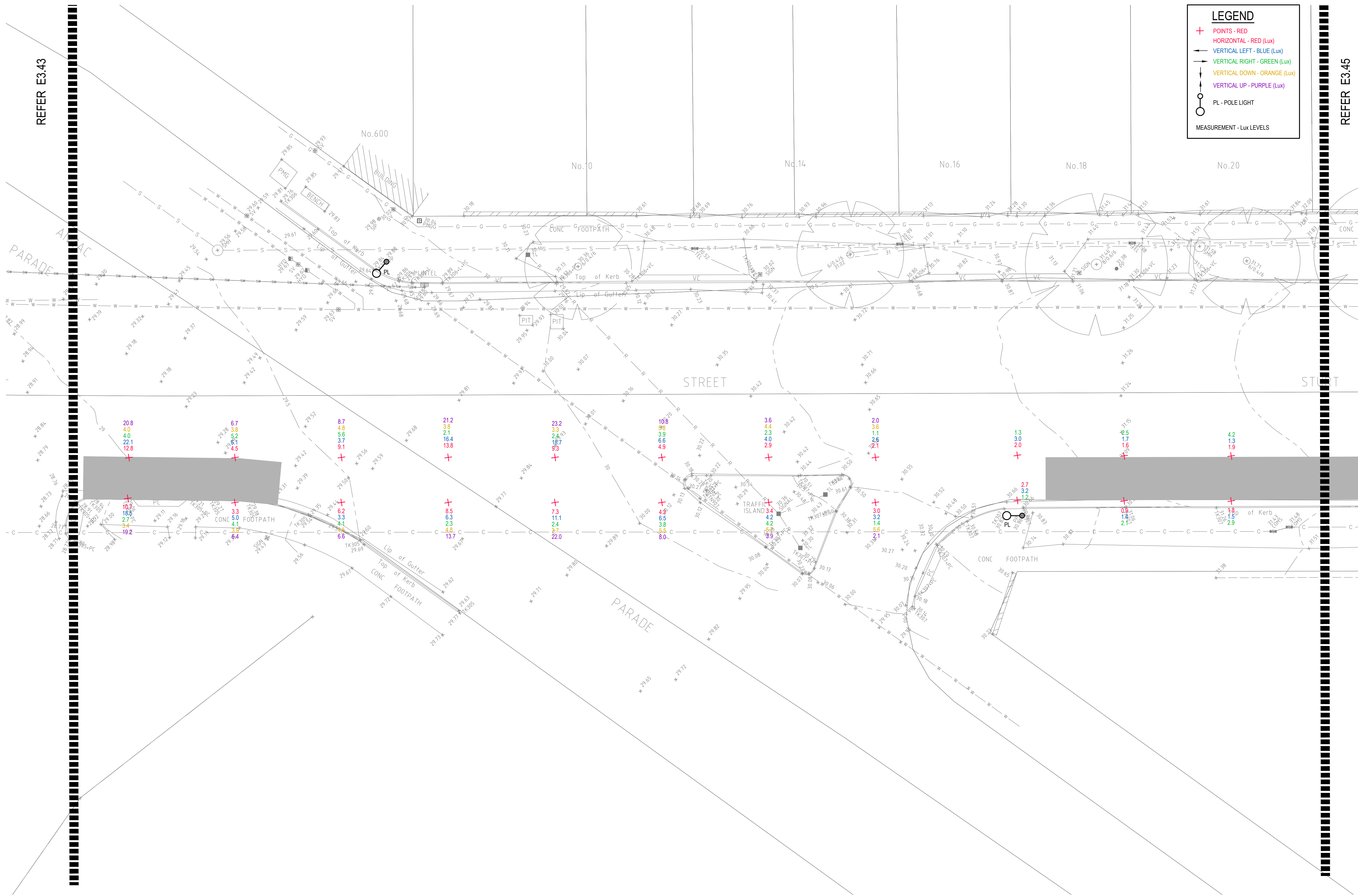
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 43					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.43	A		



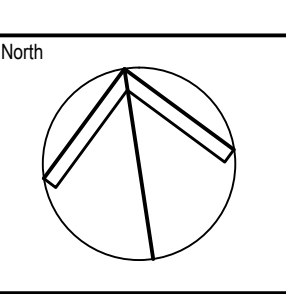
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:				
A	INITIAL ISSUE	05.02.18	SY	WN
Issue	Description	Date	Drawn	Approved



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

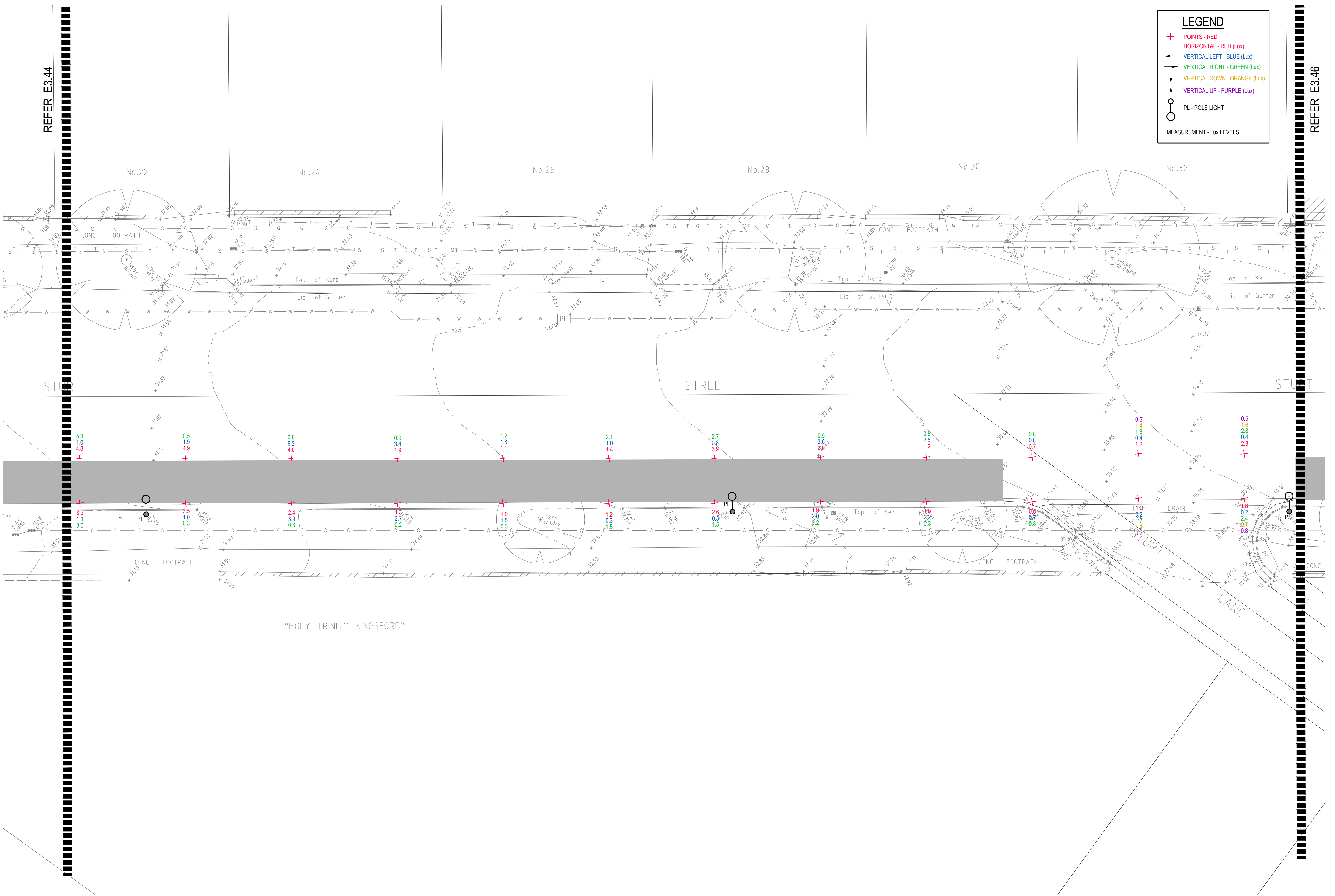
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 44				
Drawn SY	Date JAN 2018	Scale 1:100	A1 Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.44	Issue A	

P:\SY170790\randwick\cycleway\sydney\sydney_e3.44.dwg

LEGEND

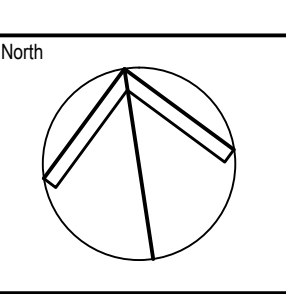
- + POINTS - RED
- ← HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:				
A	INITIAL ISSUE	05.02.18	SY	WN
Issue	Description	Date	Drawn	Approved



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

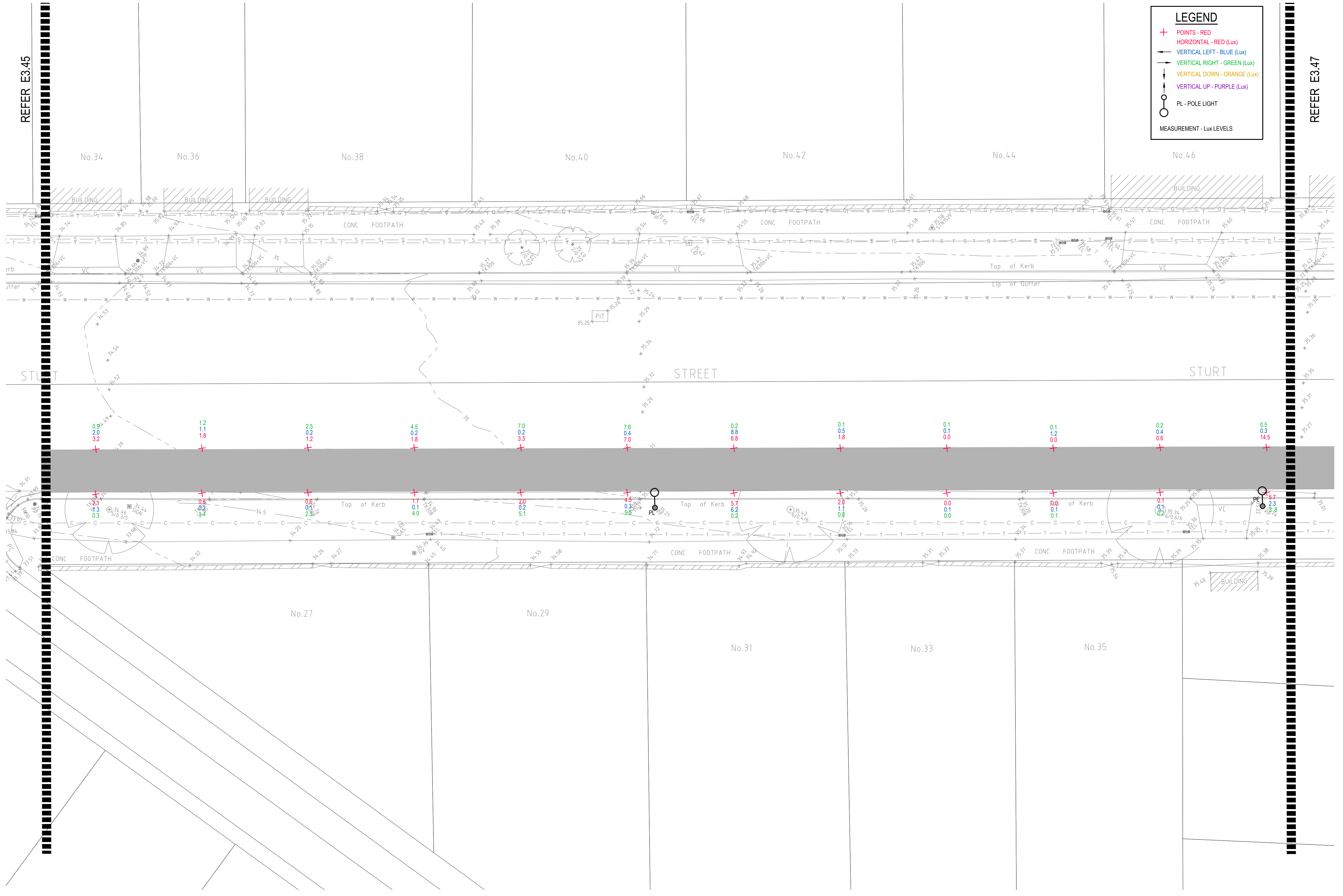
Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 45				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg. No.	Issue	Date
BS & LW	SY170790	E3.45	A	05.02.18

P:\SY170790\randwick\cycleway\SY170790_E3.45.dwg

LEGEND

- + POINTS - RED (Lux)
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

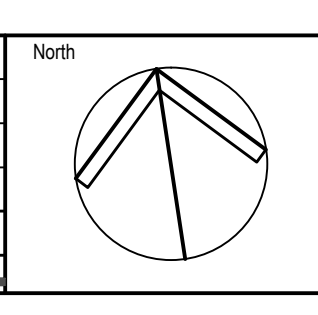
MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North
A	INITIAL ISSUE	05.02.18 SY WN
Issue	Description	Date Drawn Approved



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

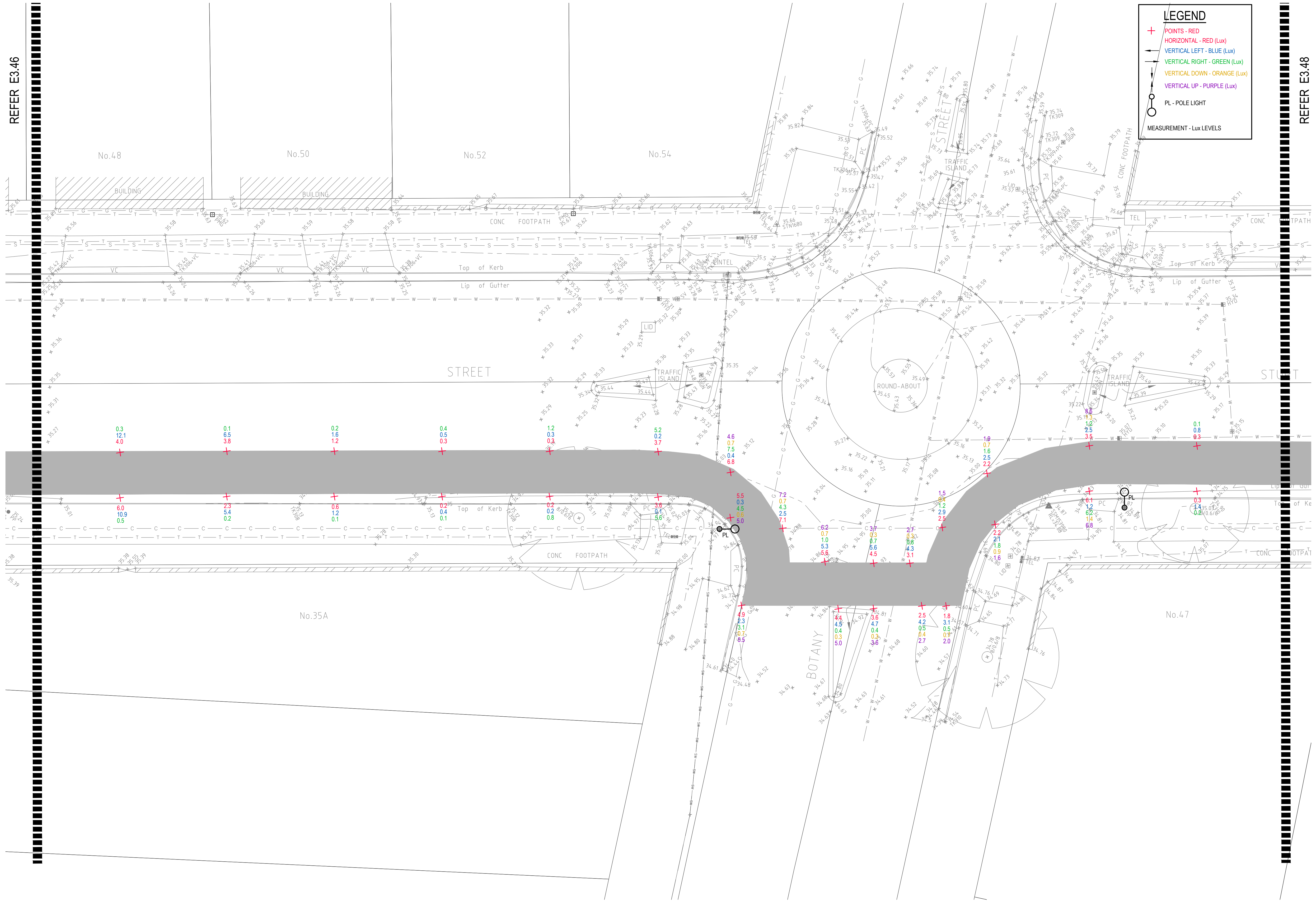
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 46					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.46	Issue A		



LEGEND

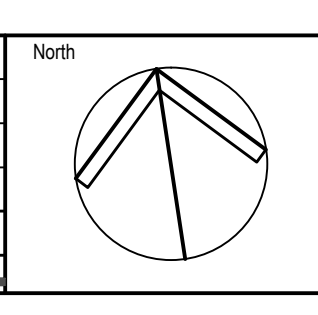
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



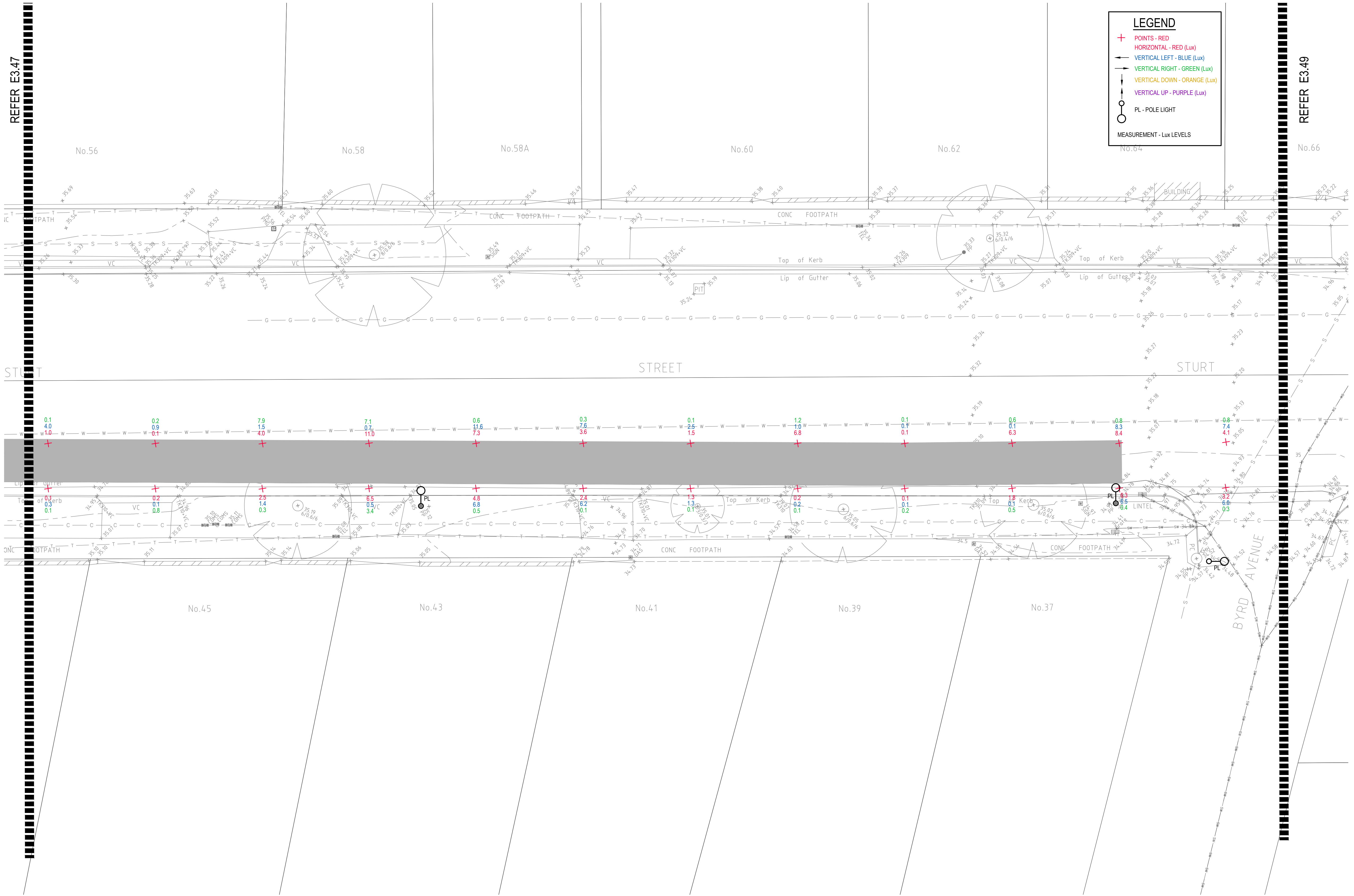
Client
Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.47	A



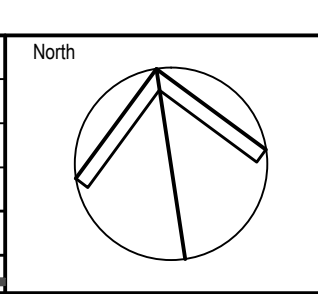
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

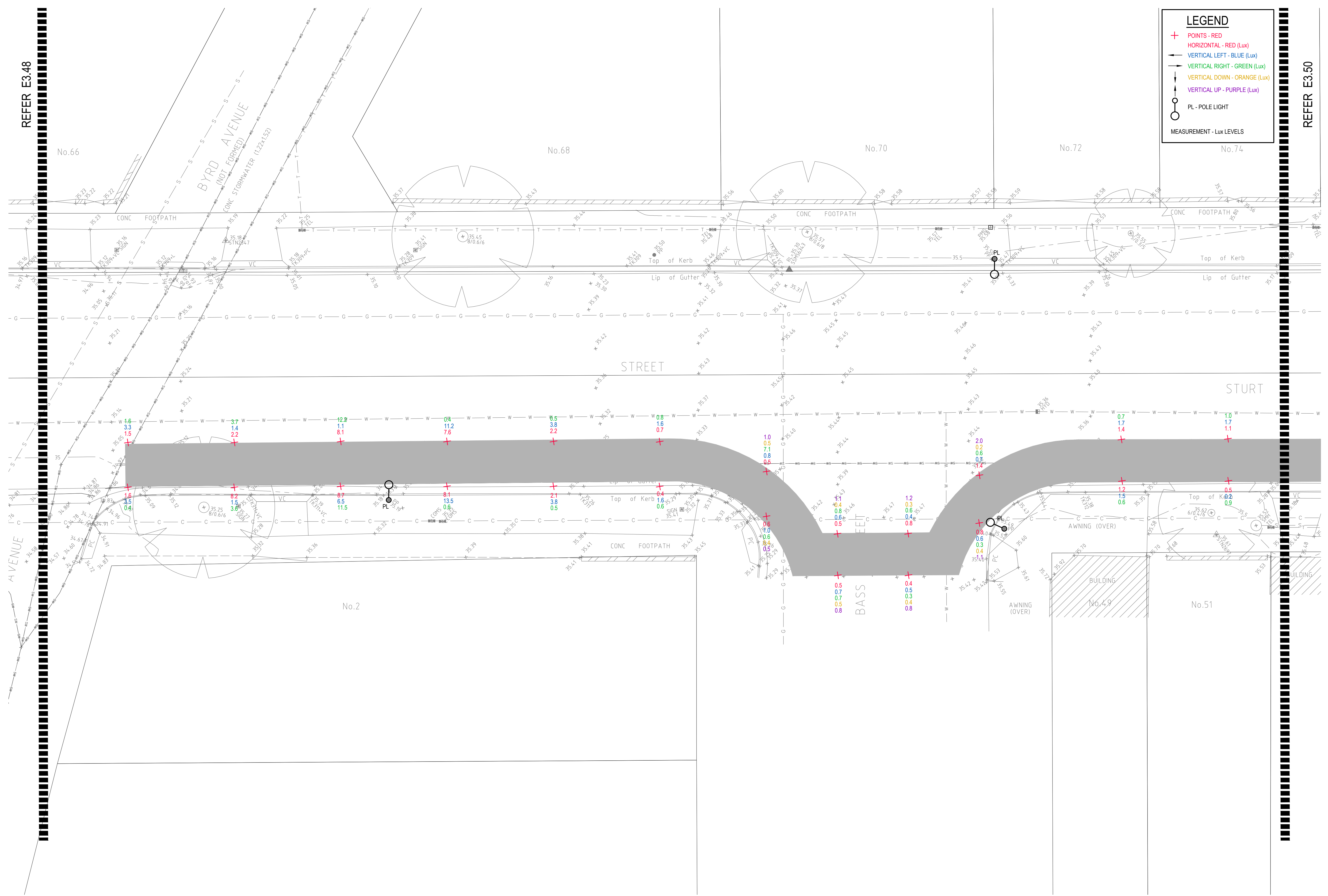
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 48				
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN
Designed BS & LW	Project No. SY170790	Issue E3.48	Date 05.02.18	Issue A



LEGEND

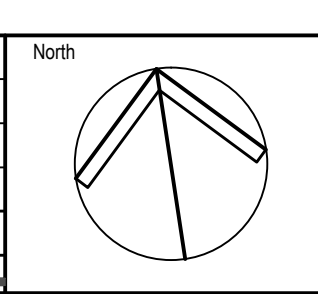
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP GSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title

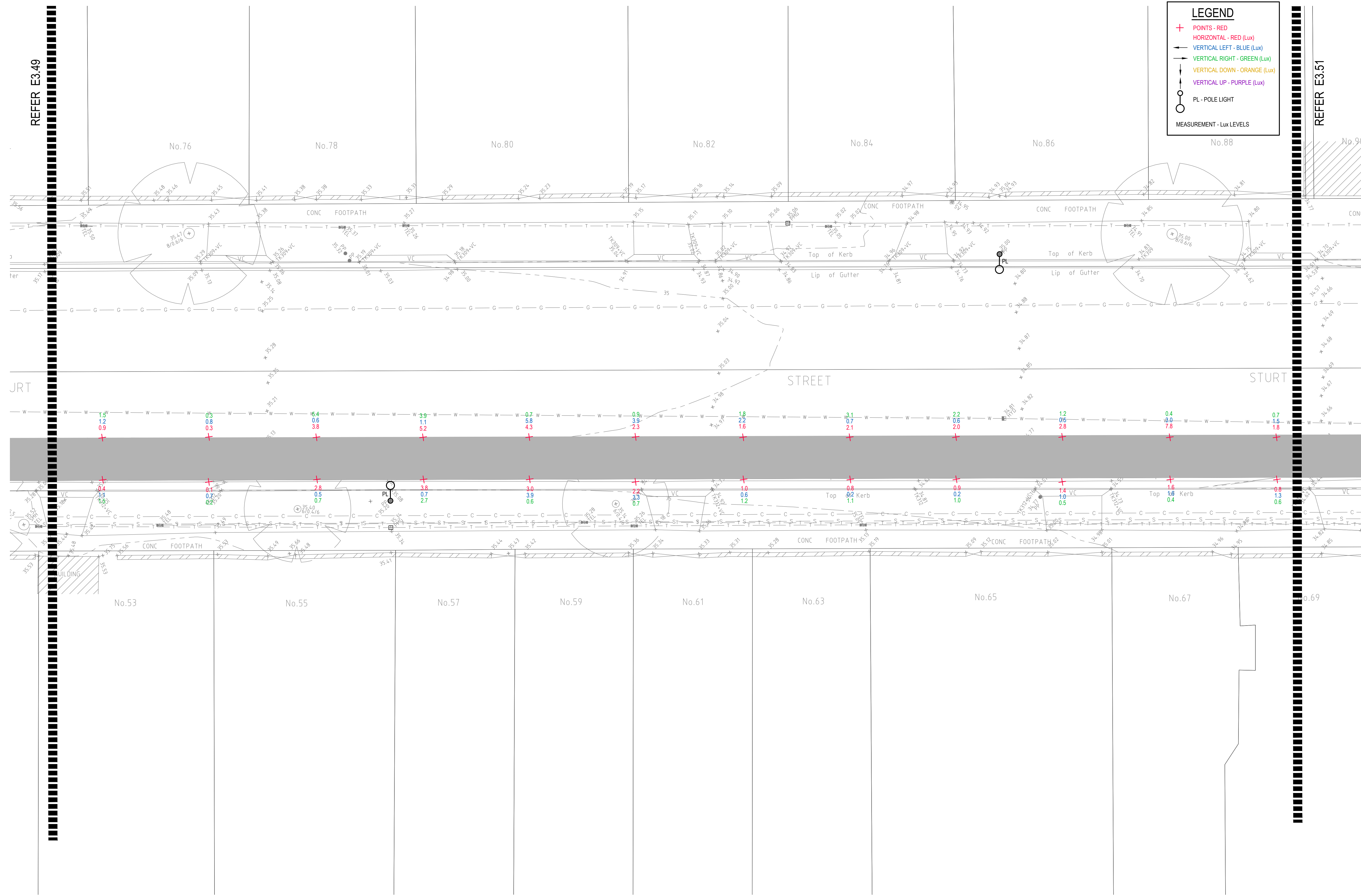
**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 49**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.49	A		

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

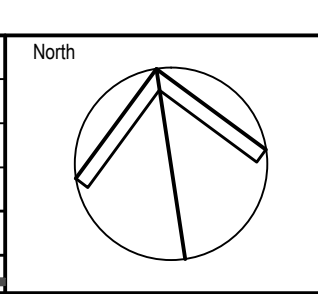


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPGSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

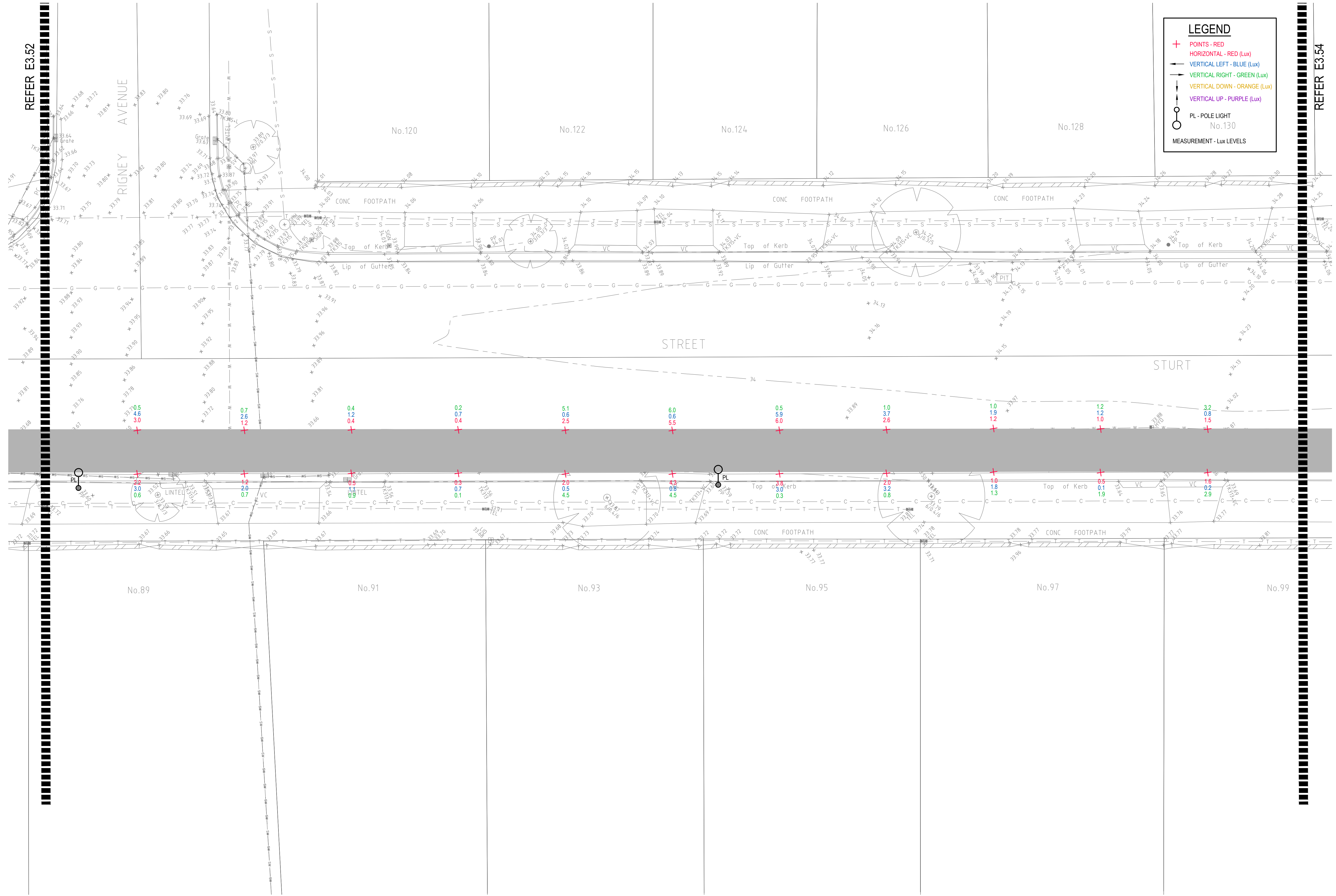
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 50					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.50	Issue A		

P:\SY170790\randwick\cycleway\sydney\sydney_e3.50.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT No.130
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North

Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

GROUP GSA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

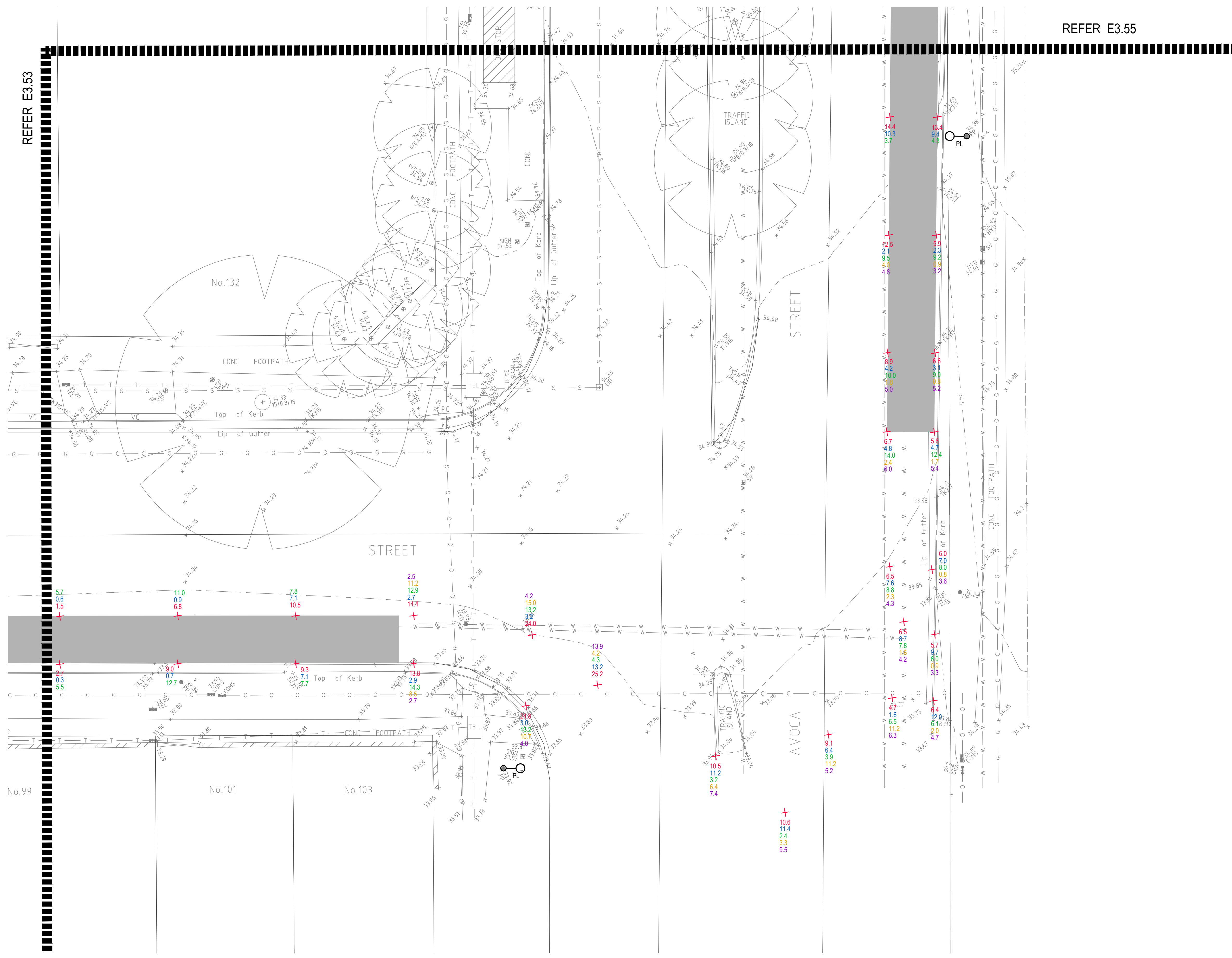
ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.			Dwg. No.	Issue
BS & LW	SY170790			E3.53	A

REFER E3.55

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

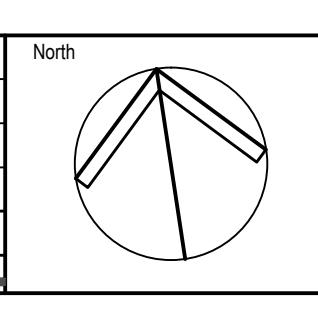


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

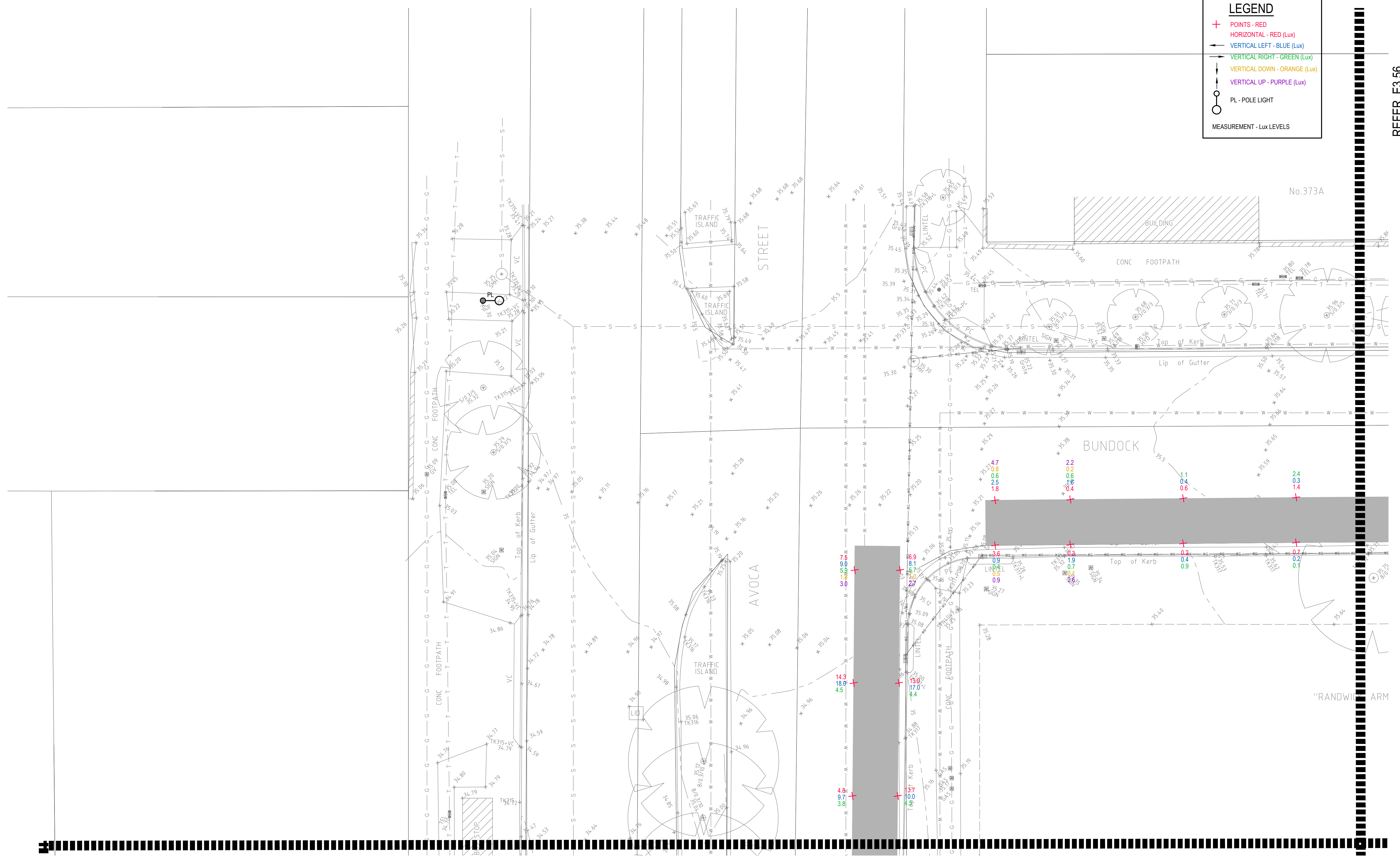
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title		Scale		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		1:100		05.02.18	
SHEET 54					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.54	A		

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

REFER E3.56

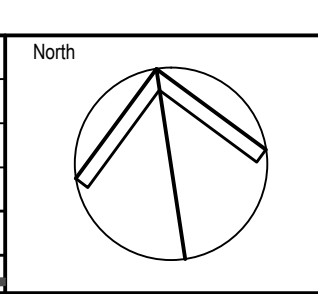


REFER E3.54

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

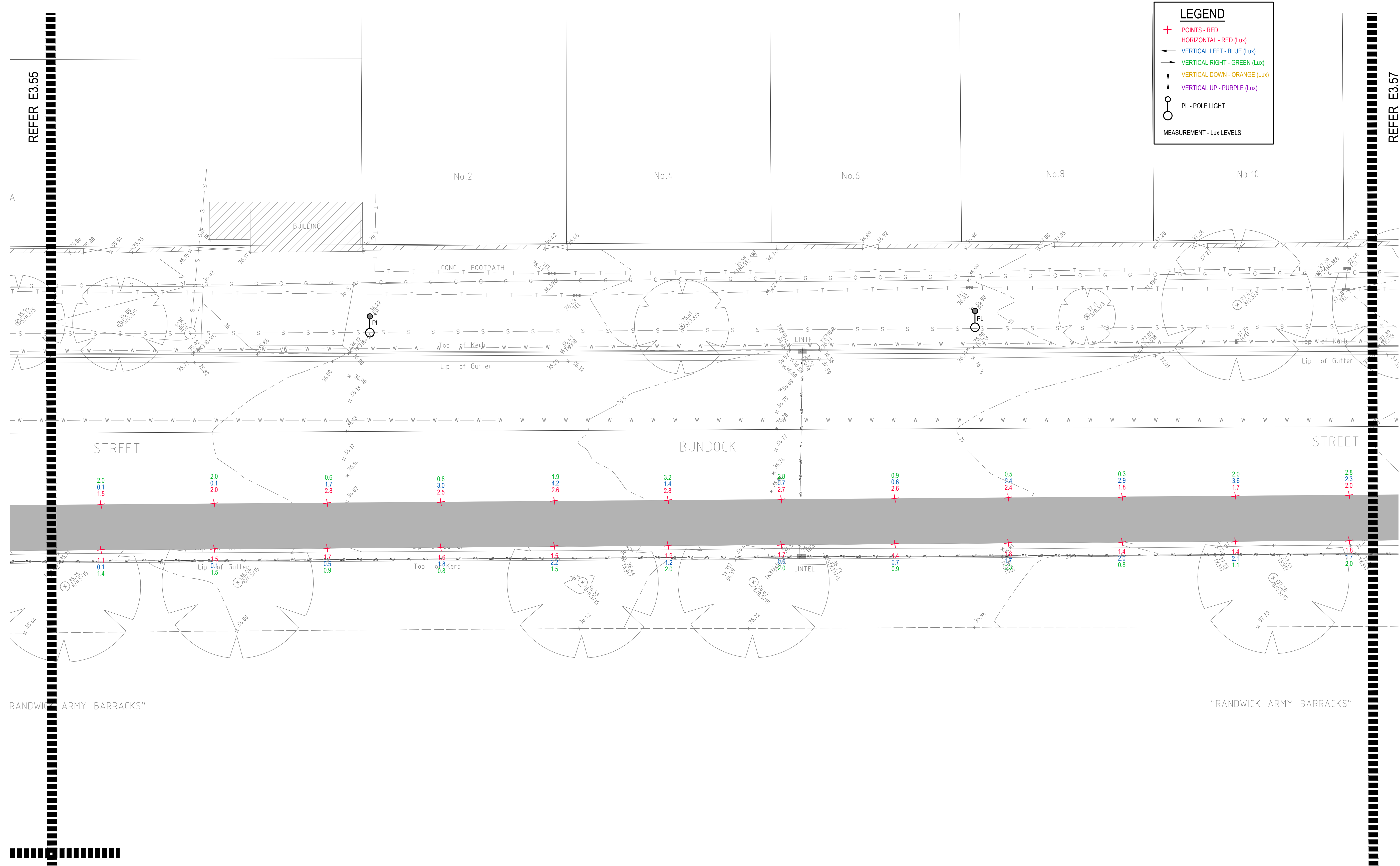
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 55					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.55	A		

LEGEND

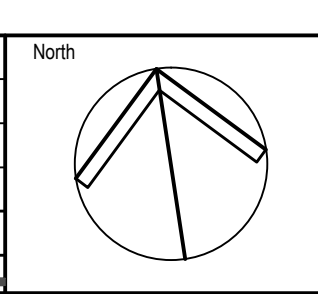
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

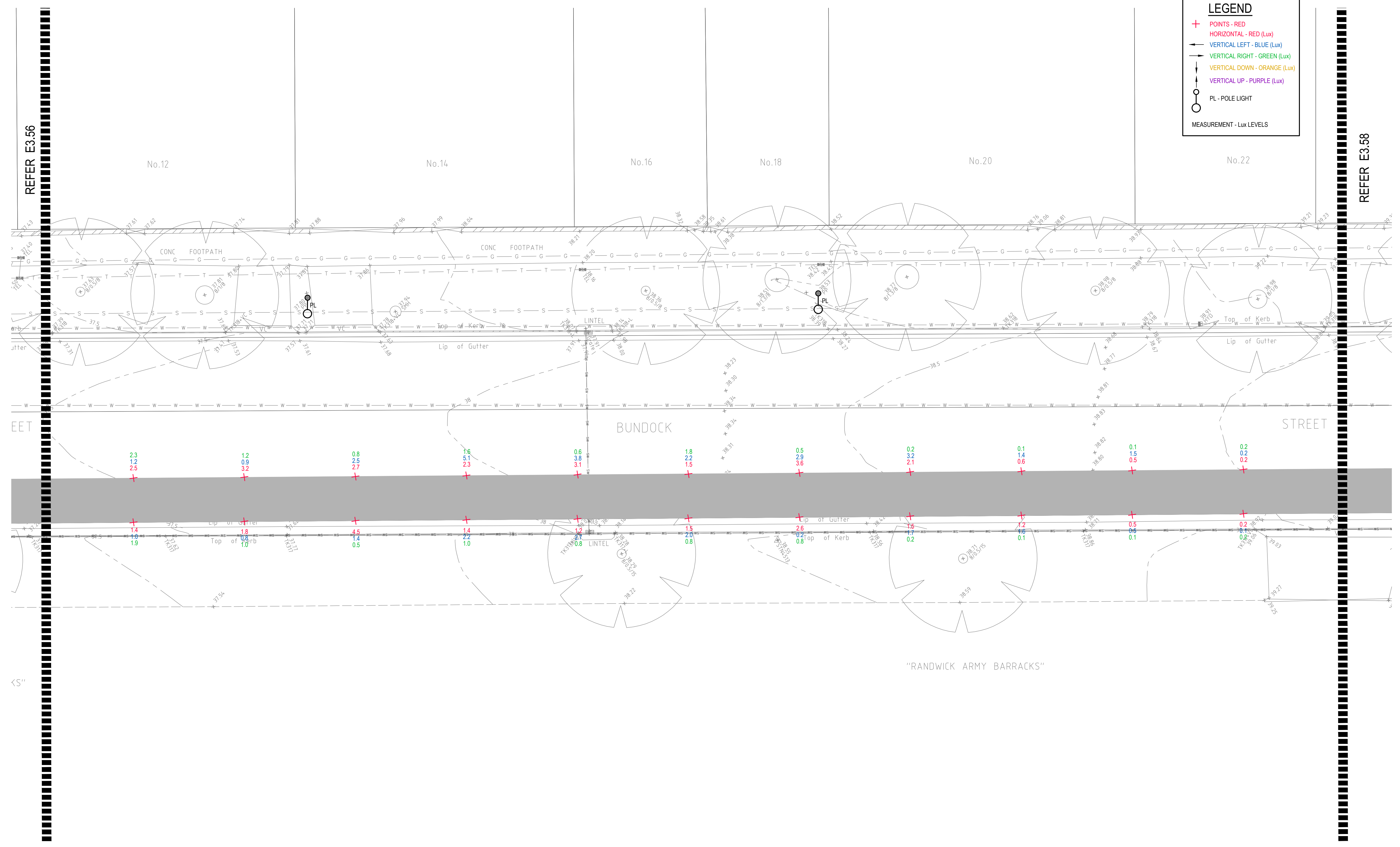
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 56				
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN
Designed BS & LW	Project No. SY170790	Dwg. No. E3.56	Issue A	Date 05.02.18

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

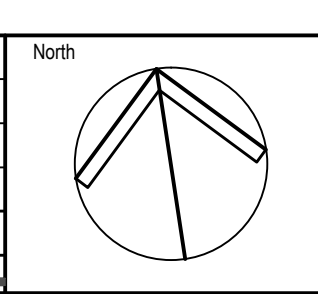
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

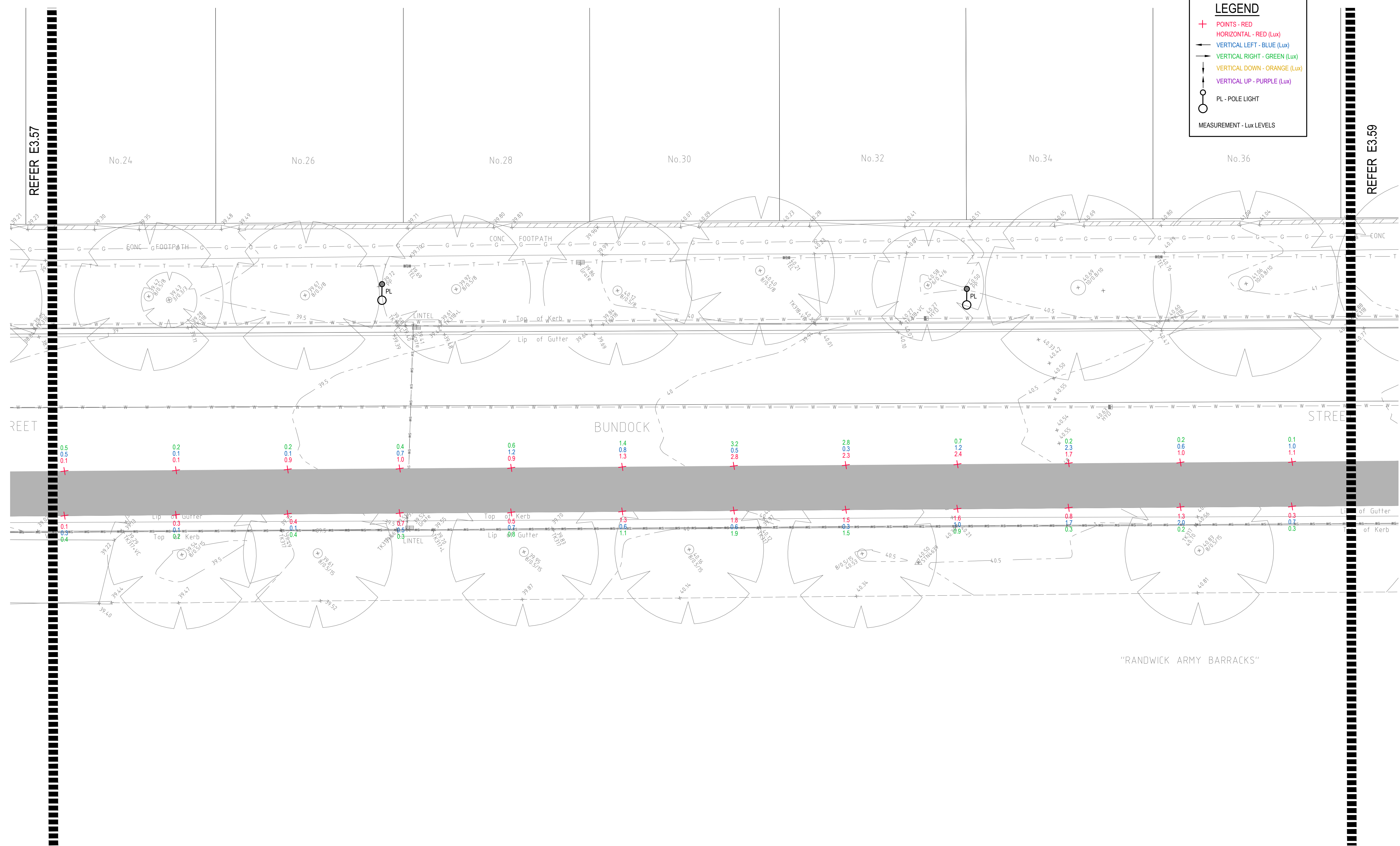
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 57					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.57	Issue A		

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

- + POINTS - RED
- ← HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- ↓ VERTICAL RIGHT - GREEN (Lux)
- ↑ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

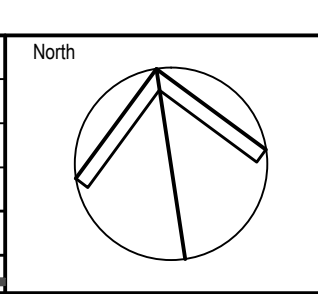


"RANDWICK ARMY BARRACKS"

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 58					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.58	Issue A		

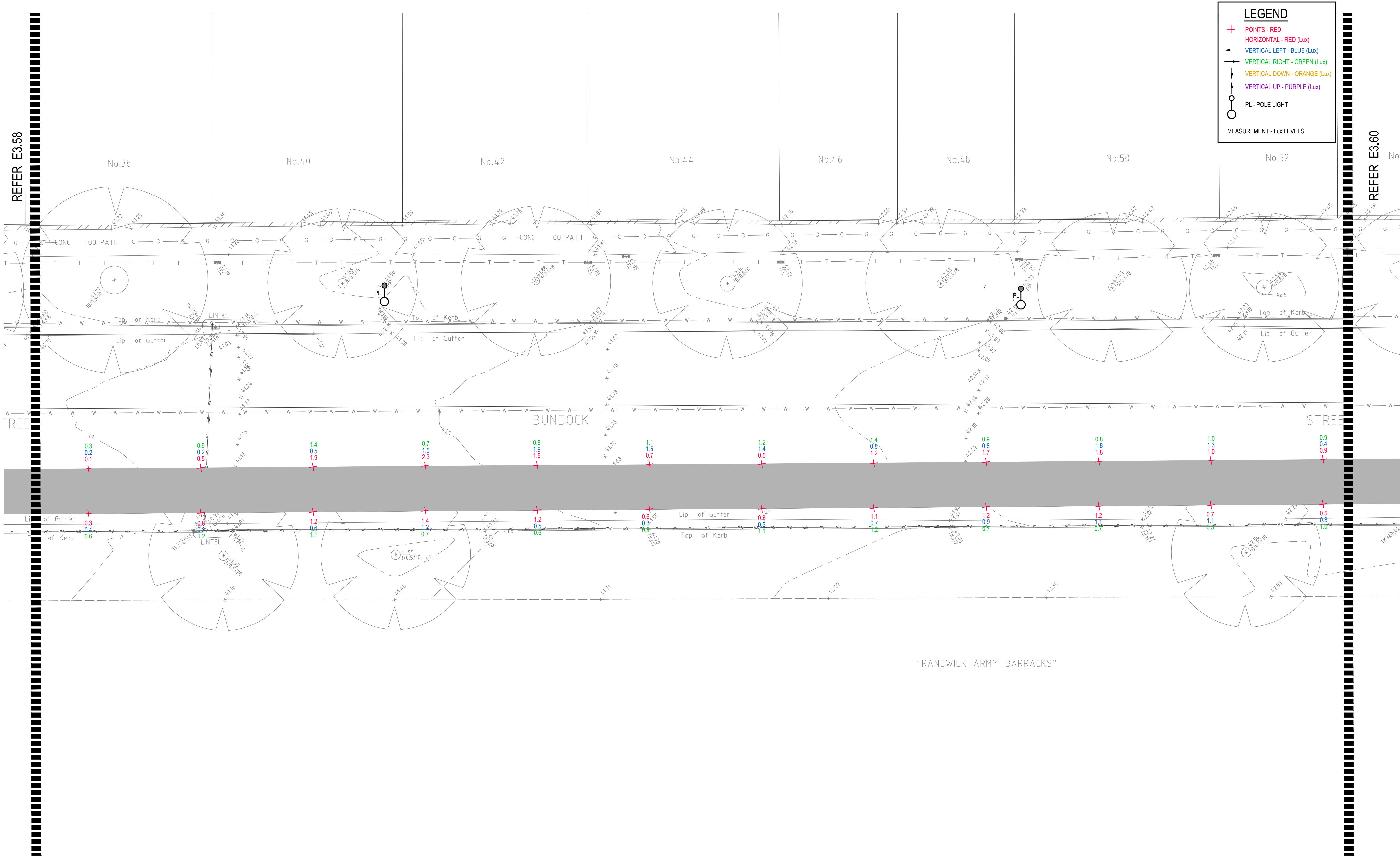
DRAWING UNDER REVISION NOT FOR CONSTRUCTION

P:\SY170790\randwick\cycleway\SY170790_E3.58.dwg

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

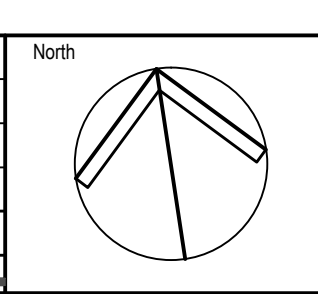


"RANDWICK ARMY BARRACKS"

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title

**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 59**

Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18

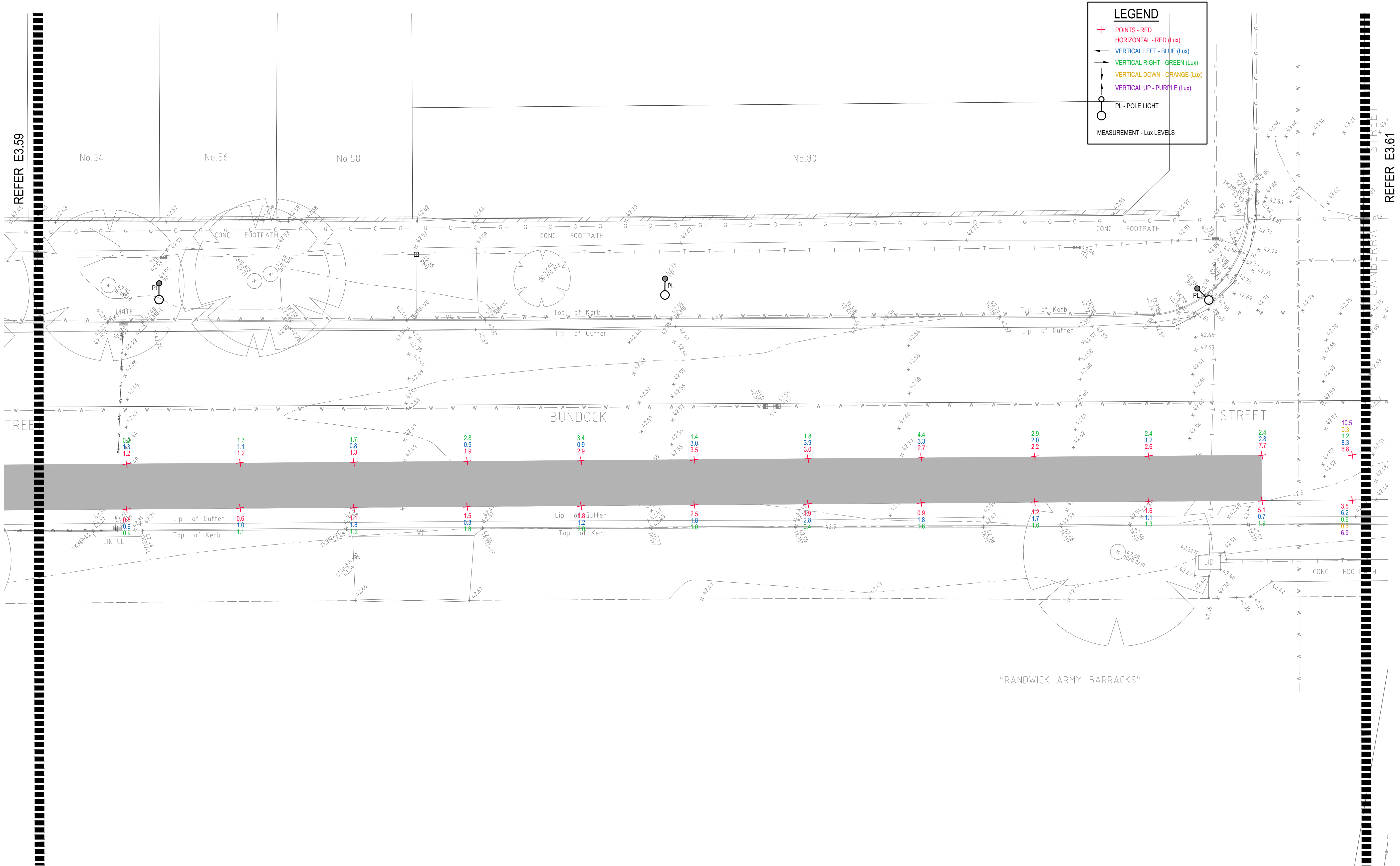
Designed	Project No.	Dwg. No.	Issue
BS & LW	SY170790	E3.59	A

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

P:\21757700\randwick\cycleway\SY170790_E3.59.dwg

LEGEND

- ✦ POINTS - RED
- HORIZONTAL - RED (Lux)
- ← VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



REFER E3.59

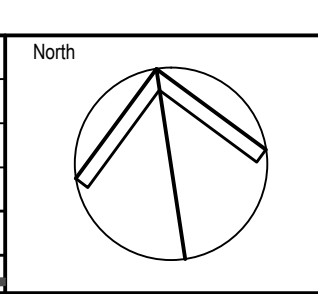
REFER E3.61

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

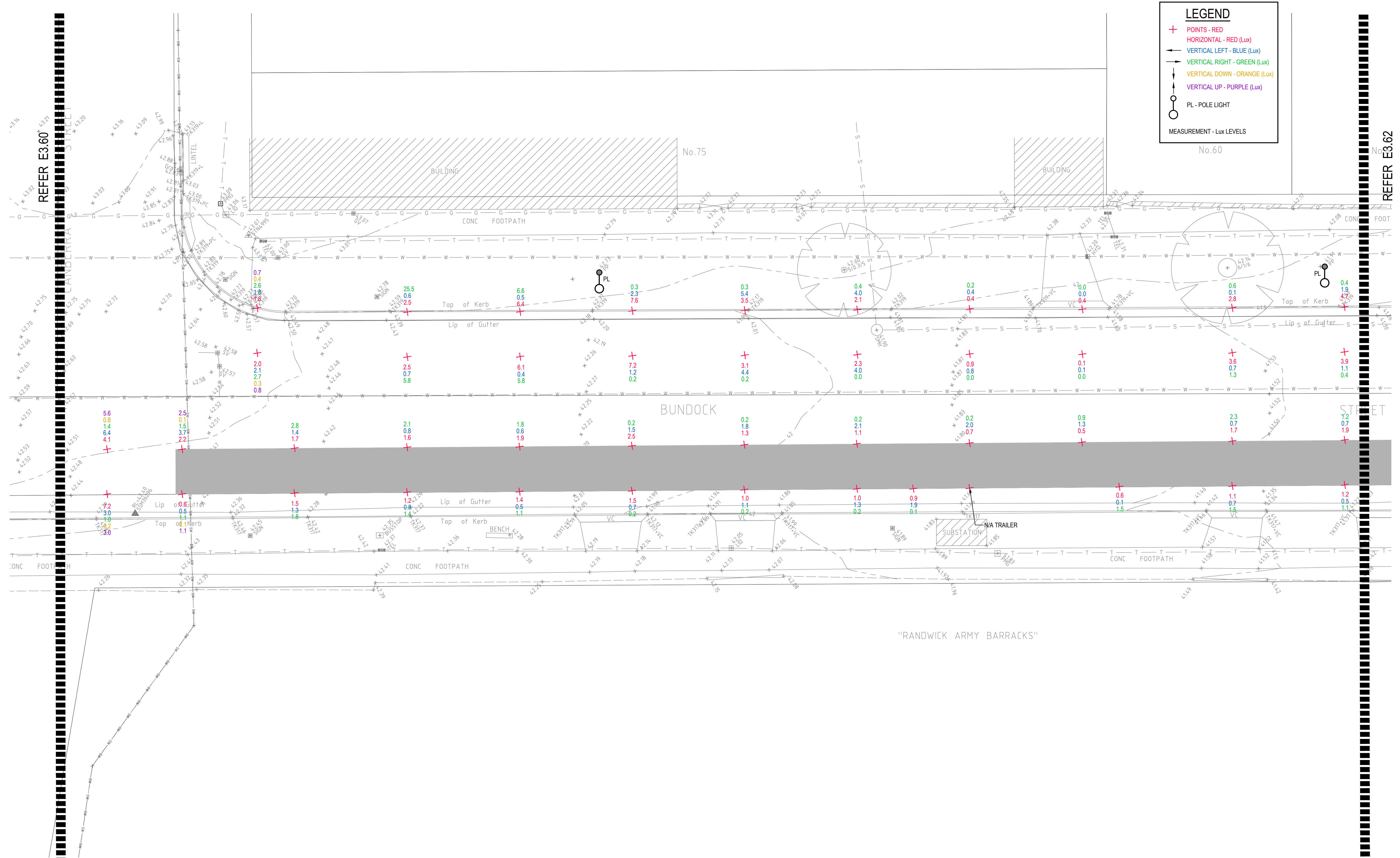
ACOR
 CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title		Scale		Date	
SITE AUDIT - EXISTING LIGHTING LEVELS		A1		05.02.18	
SHEET 60		1:100		WN	
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100	A1	WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.60	A		

P:\SY170790\randwick\cycleway\sydney\sydney_e3.60.dwg



LEGEND

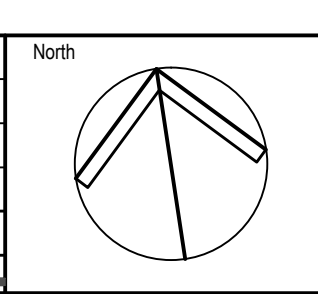
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT

MEASUREMENT - Lux LEVELS

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

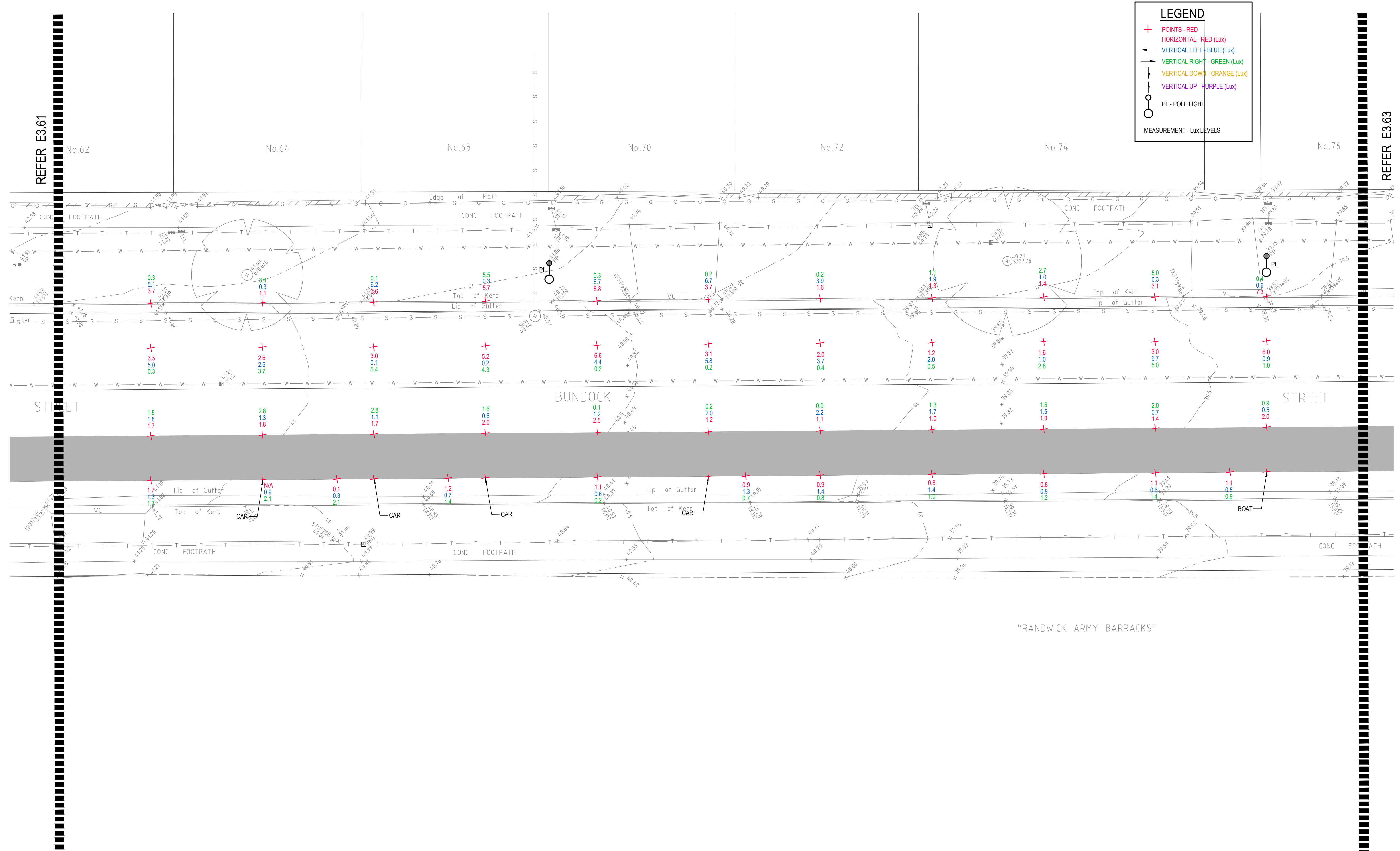
Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 61					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.61	Issue A		

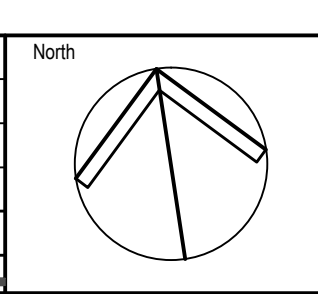
LEGEND

- + POINTS - RED
- ← HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- ↓ VERTICAL DOWN - ORANGE (Lux)
- ↑ VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

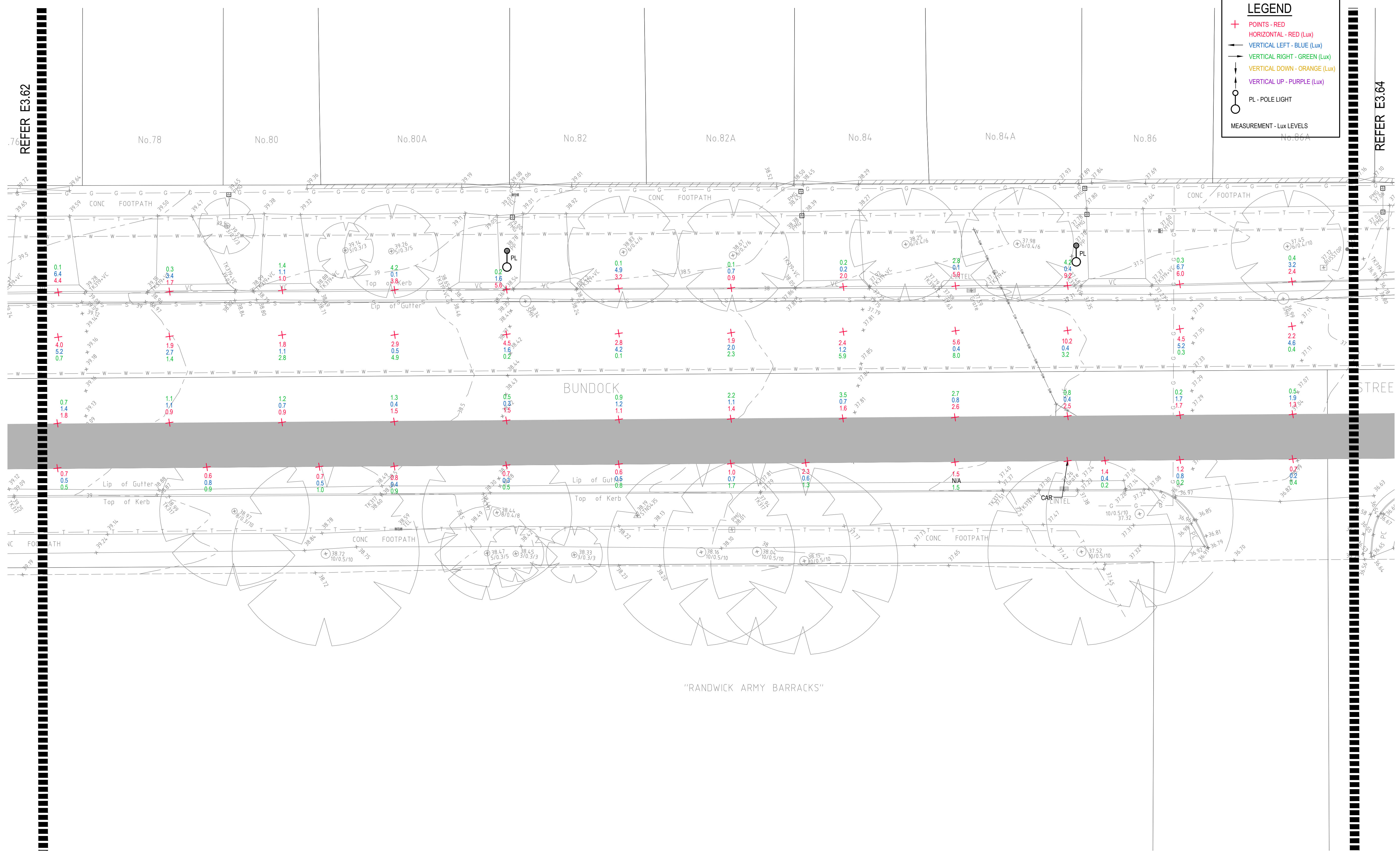
ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 62					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW		Project No. SY170790		Dwg. No. E3.62	Issue A

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

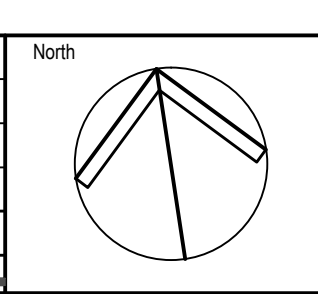
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

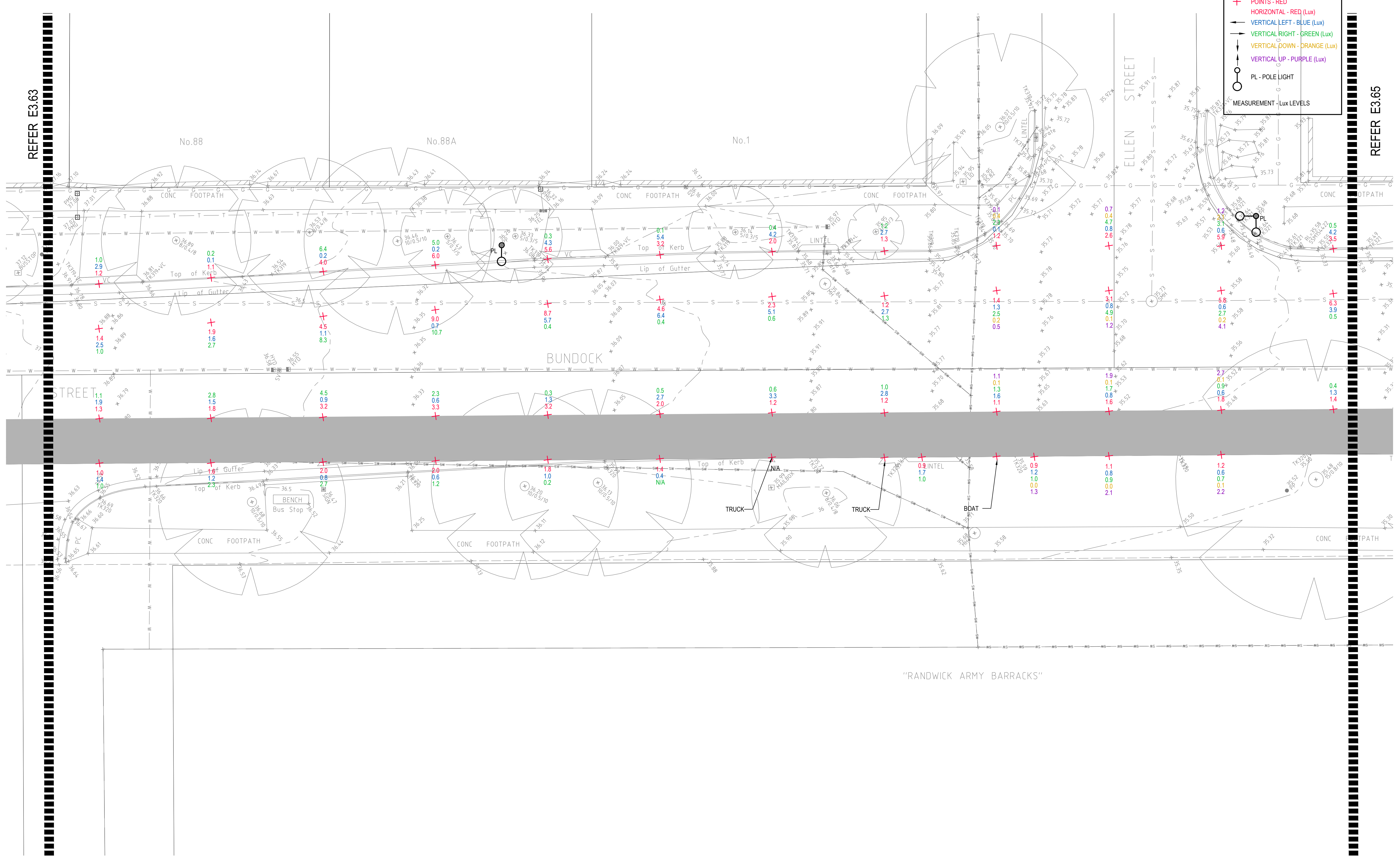
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 63				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg. No.	Issue	Date
BS & LW	SY170790	E3.63	A	05.02.18

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

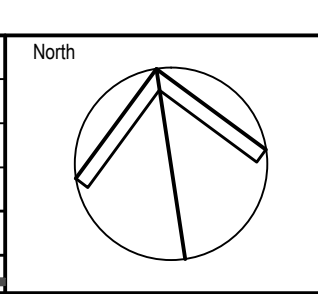
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



"RANDWICK ARMY BARRACKS"

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
 a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098
ACOR
 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

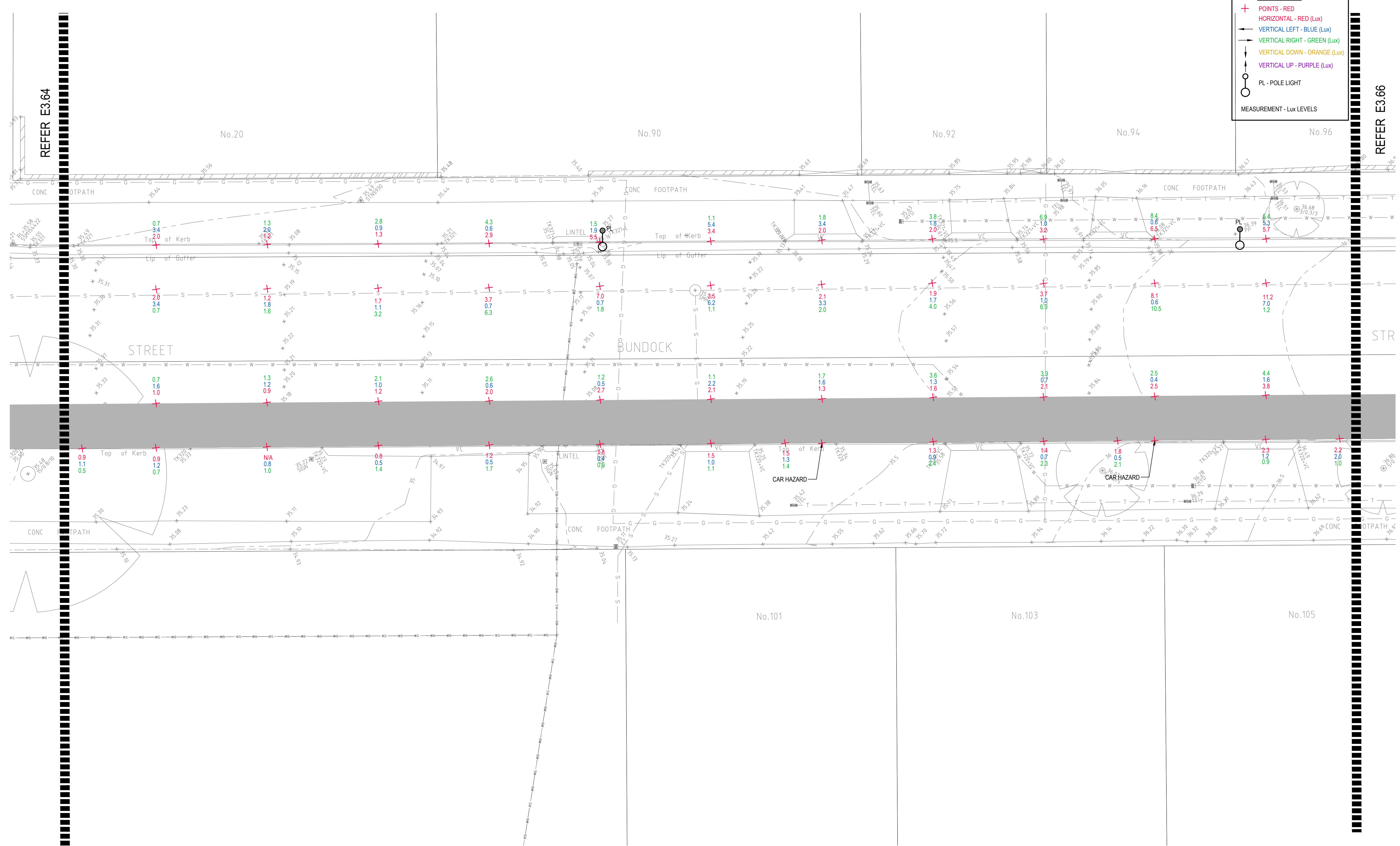
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 64					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.64	Issue A		

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

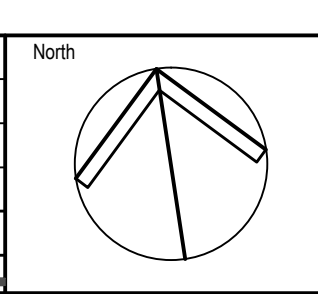
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

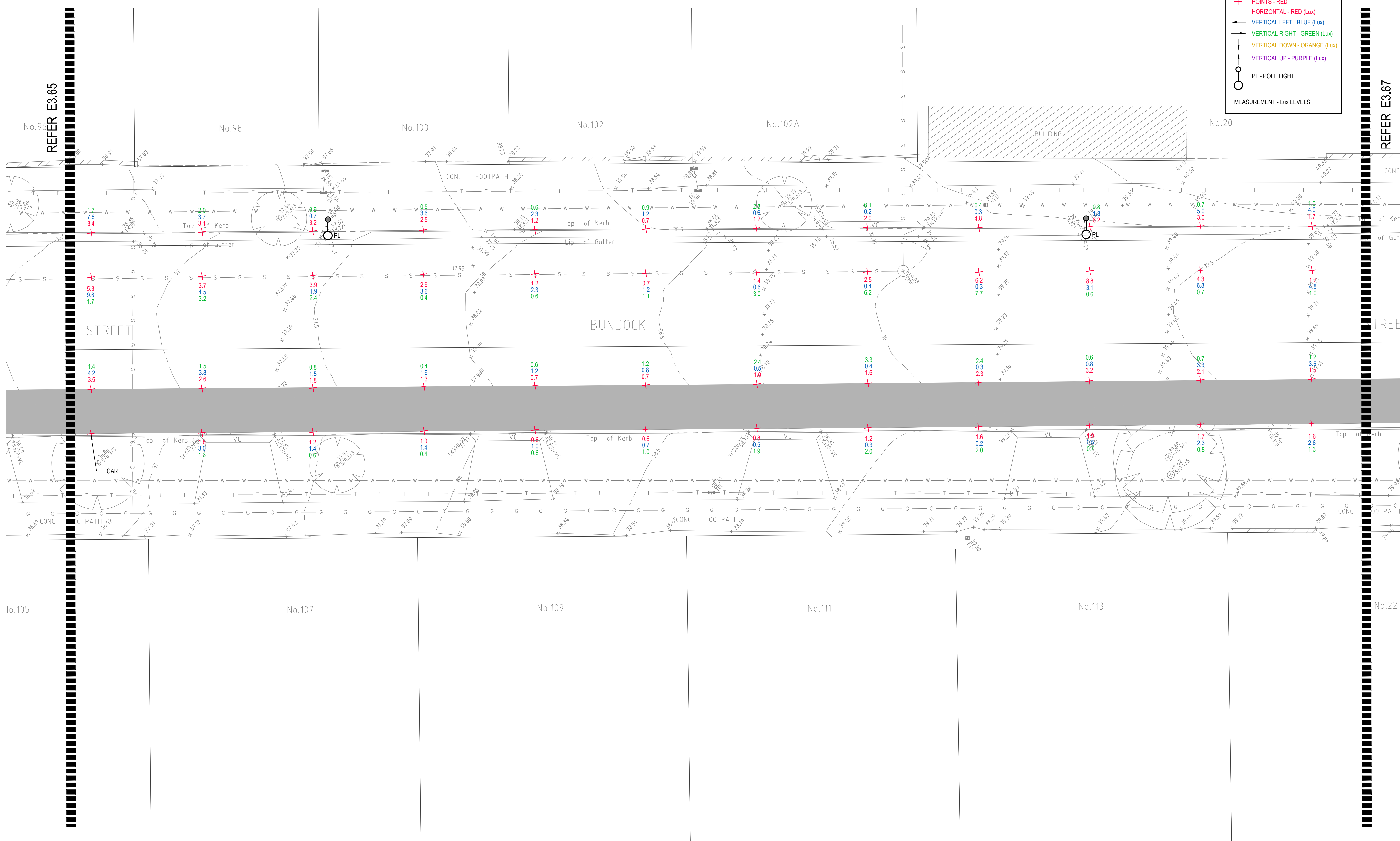
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 65					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.65	Issue A		

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

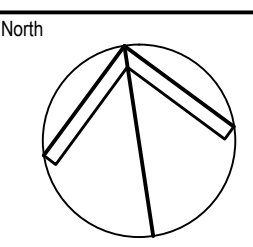
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client
Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP SA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
 ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

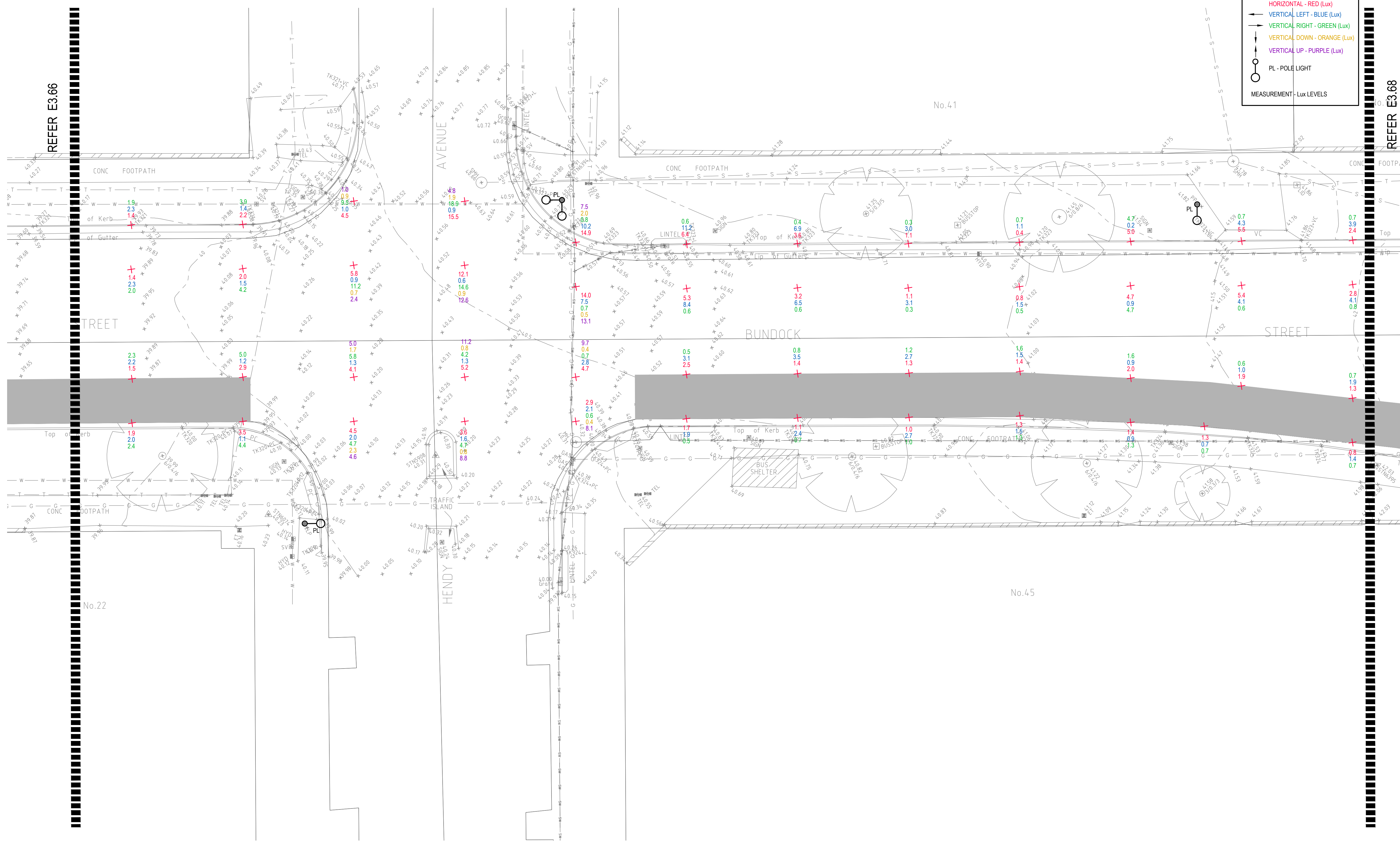
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 66				
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN
Designed BS & LW	Project No. SY170790	Dwg. No. E3.66	Issue A	Date 05.02.18

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

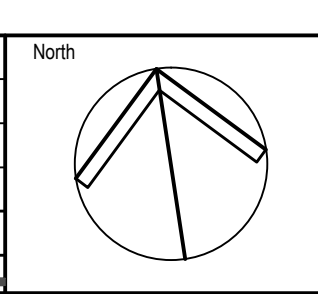
LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN




Client

 Randwick City Council
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

 CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

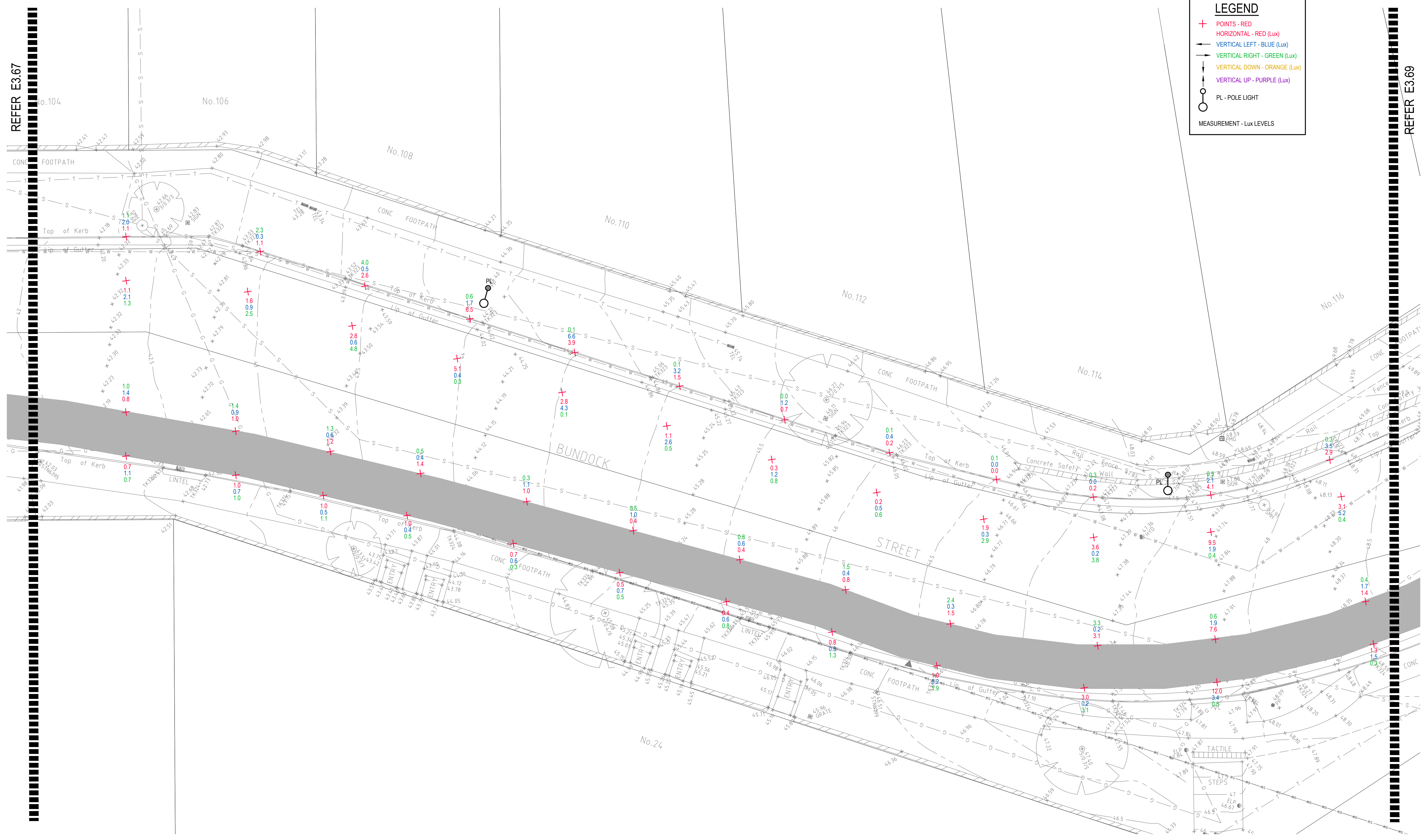
Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 67					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.67	Issue A		

DRAWING UNDER REVISION NOT FOR CONSTRUCTION

LEGEND

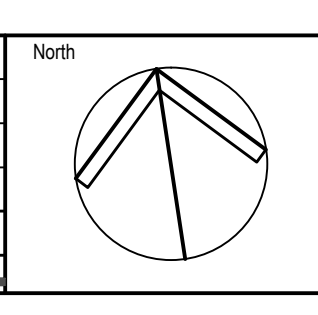
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP GSA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS

ACOR
CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

Project

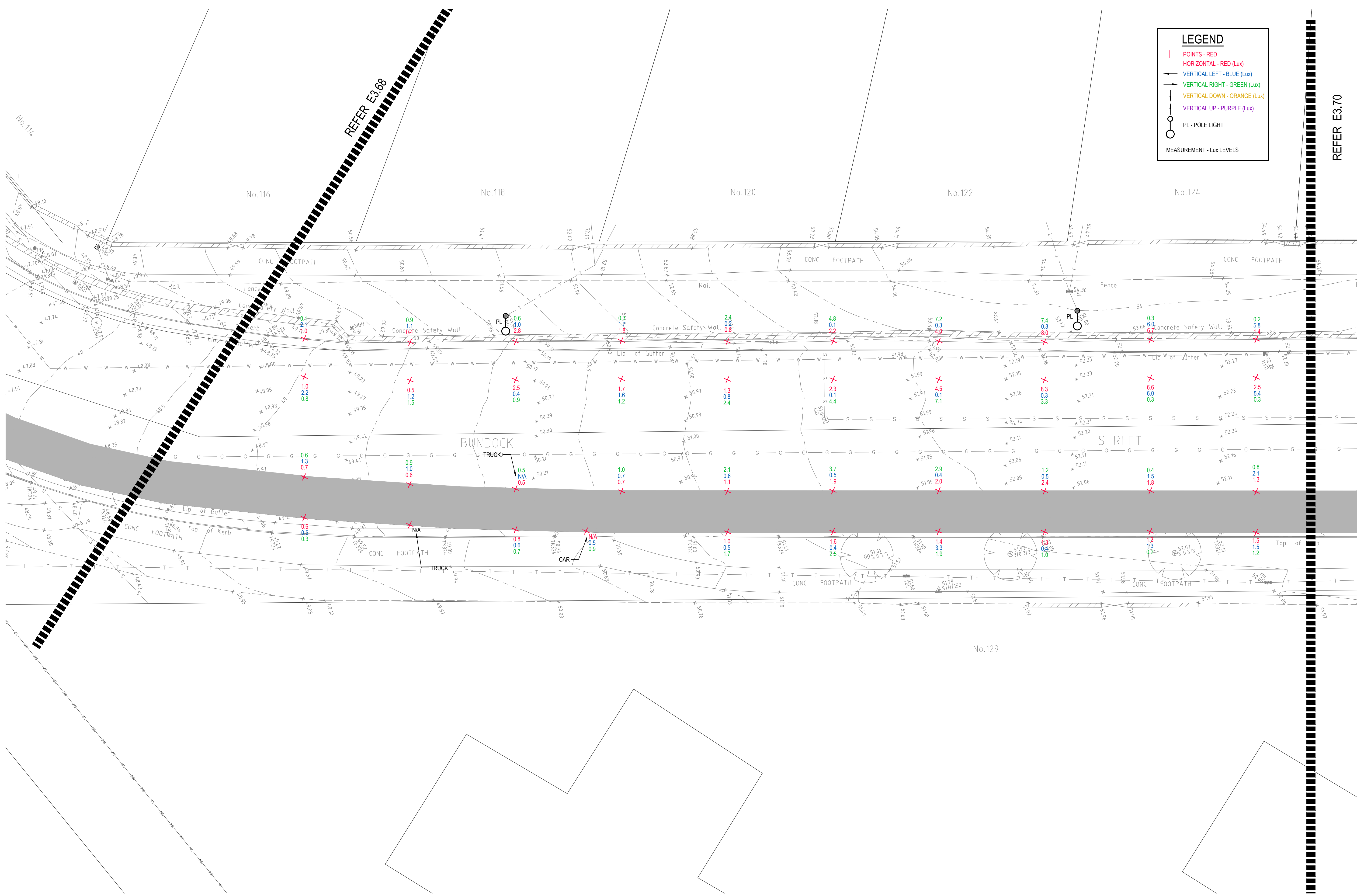
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title				
SITE AUDIT - EXISTING LIGHTING LEVELS				
SHEET 68				
Drawn	Date	Scale	A1	Q.A. Check
SY	JAN 2018	1:100		WN
Designed	Project No.	Dwg. No.	Issue	Date
BS & LW	SY170790	E3.68	A	05.02.18

LEGEND

- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:		North

Client
Randwick City Council
a sense of community
30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect
GROUP GSA
LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR CONSULTANTS
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

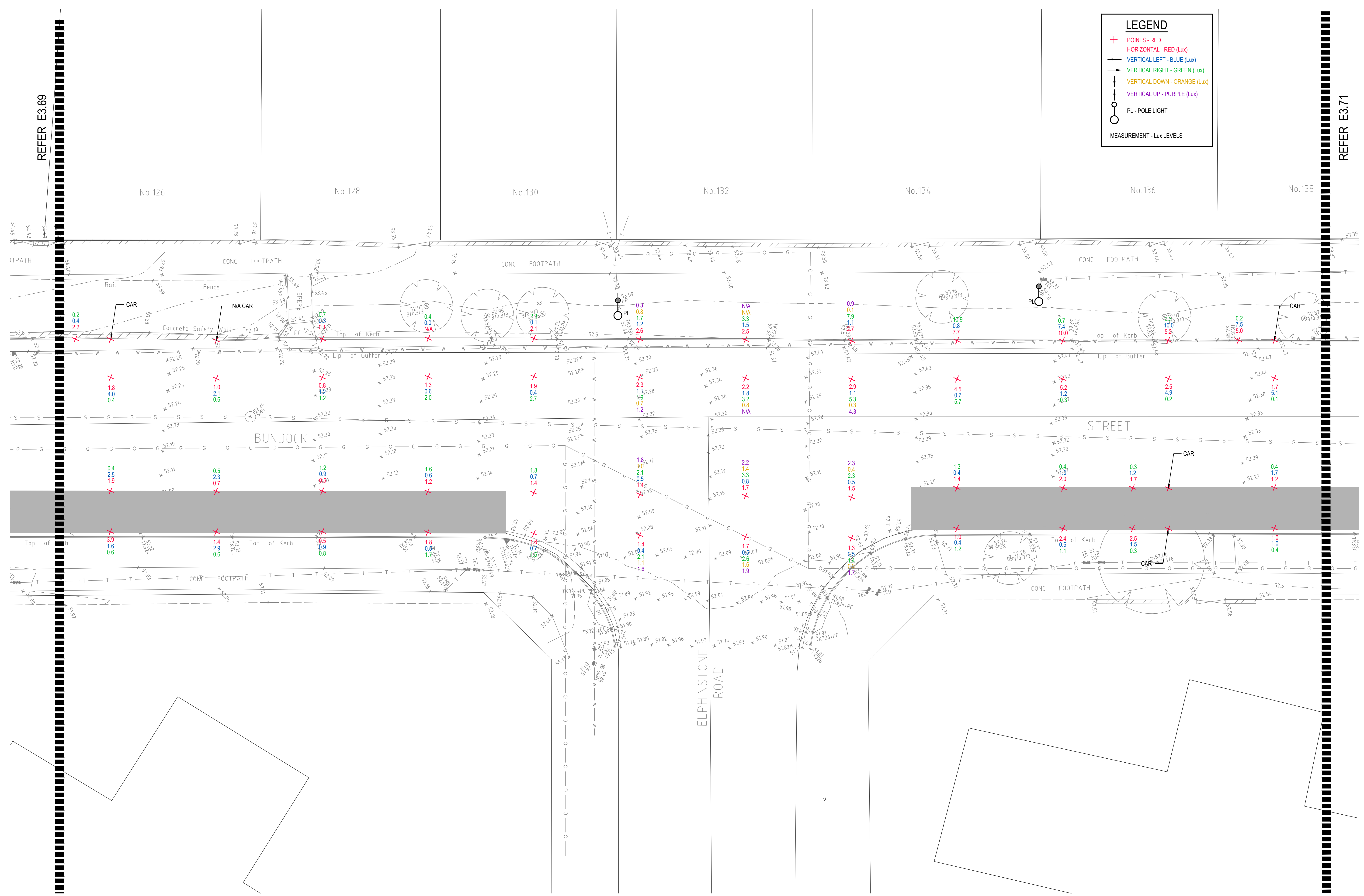
Project
**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**
DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title
**SITE AUDIT - EXISTING LIGHTING LEVELS
SHEET 69**

Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.69	Issue A		

LEGEND

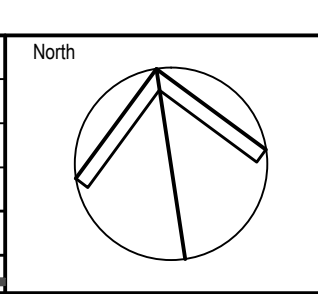
- + POINTS - RED
- HORIZONTAL - RED (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS



DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN




Client

Randwick City Council
a sense of community
 30 FRANCES STREET
 RANDWICK NSW 2031
 PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUPSA
 LEVEL 7, 80 WILLIAM STREET
 EAST SYDNEY NSW 2011
 PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR

CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

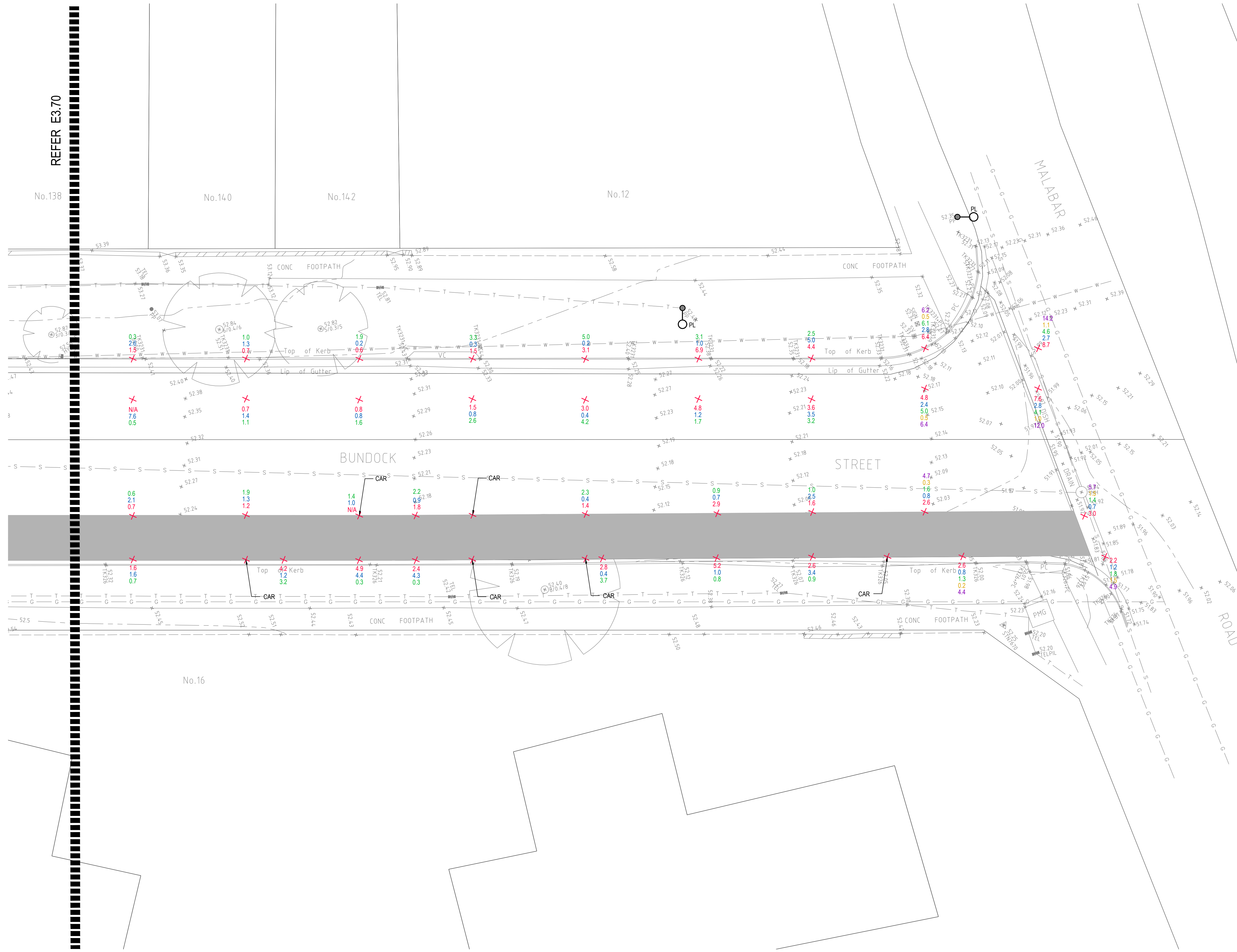
ACOR Consultants Pty Ltd
 Suite 2, Level 1, 33 Herbert Street
 St Leonards NSW 2065
 T +61 2 9438 5098

Project
RANDWICK CITY COUNCIL
CYCLEWAY LINKS
 DONCASTER AVE
 KENSINGTON 2033 NSW

Drawing Title					
SITE AUDIT - EXISTING LIGHTING LEVELS					
SHEET 70					
Drawn	Date	Scale	A1	Q.A. Check	Date
SY	JAN 2018	1:100		WN	05.02.18
Designed	Project No.	Dwg. No.	Issue		
BS & LW	SY170790	E3.70	A		

LEGEND

- + POINTS - RED
- HORIZONTAL - BLUE (Lux)
- VERTICAL LEFT - BLUE (Lux)
- VERTICAL RIGHT - GREEN (Lux)
- VERTICAL DOWN - ORANGE (Lux)
- VERTICAL UP - PURPLE (Lux)
- PL - POLE LIGHT
- MEASUREMENT - Lux LEVELS

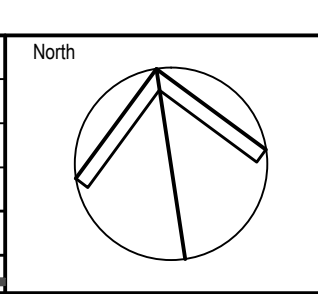


DRAWING UNDER REVISION NOT FOR CONSTRUCTION

© COPYRIGHT of this design and plan is the property of ACOR Consultants Pty Ltd. ACN 079 306 246 ABN 40 079 306 246, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	INITIAL ISSUE	05.02.18	SY	WN



Client

Randwick City Council
a sense of community

30 FRANCES STREET
RANDWICK NSW 2031
PHONE : (02) 9093 6000 FAX : (02) 9319 1510

Architect

GROUP SA

LEVEL 7, 80 WILLIAM STREET
EAST SYDNEY NSW 2011
PHONE : +612 9361 4144 FAX : +612 9332 3458

ACOR Consultants Pty Ltd

Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T +61 2 9438 5098

CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

**RANDWICK CITY COUNCIL
CYCLEWAY LINKS**

DONCASTER AVE
KENSINGTON 2033 NSW

Drawing Title SITE AUDIT - EXISTING LIGHTING LEVELS SHEET 71					
Drawn SY	Date JAN 2018	Scale 1:100	A1	Q.A. Check WN	Date 05.02.18
Designed BS & LW	Project No. SY170790	Dwg. No. E3.71	Issue A		