

LIGHTING SCHEDULE

L1 Supply and install new luminaire on new column. (See Luminaire & Column Notes 1 to 9)
 Luminaire: Philips Roadgrace 18W LED luminaire (BRP711 LED23NW 18W DWP) 4000K, Color: Black
 Dimming: Not required.
 Column: 7.0m MH Standard Decorative Stepped C Column complete with single 1.3m River outreach arm. Color: Black.
 Connection: Connect to U/G SLN

L2 Supply and install new luminaire on new column. (See Luminaire & Column Notes 1 to 9)
 Luminaire: Philips Roadgrace 20W LED luminaire (BRP711 LED26NW 20W DWP) 4000K, Color: Factory Gray
 Dimming: Not required.
 Column: 7.4m MH Sectional Octagonal Sub-Divisional column c/w single 1.5m 15° tilt Mitred outreach arm and a 42mm 5° tilt to the horizontal spigot, Color: Galvanized
 Connection: Connect to U/G SLN

MAXIMUM DESIGN SPACING

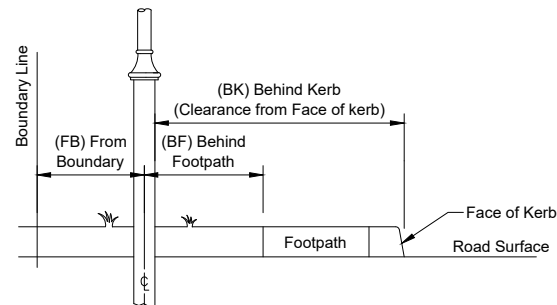
Street Name	Width	Arrangement Type*	Max Spacing
Road 3-5	18.0m	Single Sided	60.0m
Road 3-5	18.0m	Staggered	60.0m
Road 6	16.0m	Staggered	63.8m
Road 7	10.0m	Staggered	66.6m
Hawkins Road	20.0m	Single Sided	51.3m

* = Arrangement type as per AS/NZS 1158.2:2020 Fig. 5.1

SYMBOLS:

- LX New column, Single outreach arm and luminaire.
- E Existing column, outreach arm and luminaire to remain.
- F Future column, outreach arm and luminaire to remain. (not part of this project.)

TYPICAL COLUMN POSITION:



Column to be installed from Boundary Line, Behind Footpath or from Face of Kerb

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SYMBOLS LEGEND:

- LX Lighting Schedule Reference
- XXW Original Luminaire Wattage
- P1 Column Identification
- 0.0m-XX Column offset
- X° Luminaire Tilt from the horizontal (See Adjustment Table)

Offset Descriptions

- BF Behind Footpath
- BK Behind Kerb

For Decorative Tubular and Octagonal Column	
With Decorative Arms and 0° Spigot*	
Value Shown on Plan	Adjustment on Luminaire
10°	10°
5°	5°
0°	0°
-5°	-5°

* As per CCC and SDC Standard Column Requirements

For Sectional Octagonal Column	
With Mitred Arms and 5° Spigot* With Elliptical Arms and 5° Spigot* With Curved Arms and 5° Spigot* Subdivisinal with 5° Spigot*	
Value Shown on Plan	Adjustment on Luminaire
10°	5°
5°	0°
0°	-5°
-5°	-10°

* As per CCC and SDC Standard Column Requirements

KEY PLAN



LUMINAIRE & COLUMN NOTES:

- Luminaire are to be fitted with mounting bracket to fit 42mm spigot.
- Luminaire to be supplied with an integral TMS compatible dimmable DALI 2 driver suitable for operating at the specified load and a prewired 7 pin Nema Socket and a CCC approved Luminaire Controller (LC).
- LC to have internal GPS capability and be compatible with Strelight Vision software.
- The Contractor is required to provide data that can be uploaded into RAMM and SLV as changes to the network occur. Each LC has a MAC ID which is a unique identifier for that controller. When a LC has been installed the MAC ID shall be captured accurately to enable it to be added to RAMM and SLV. If not captured correctly, a return visit may be required to recapture this information.
- Luminaire to have an IP rating of IP66 unless stated otherwise.
- Luminaire colour temperature to be 4000K
- Luminaire to have Identification label applied at time of installation.
- Dimming will be completed by CCC Agent via CMS System once installed.
- All new columns being installed shall be earthed via a separate earth rod as per (CCC "IDS" Infrastructure Design Specifications – Part 11: Lighting)

NOTES (CCC):

- Road illumination is designed to comply with AS/NZS 1158; subcategory PR4(CCC) and CCC "Infrastructure Design Standards".
- Road lighting works to comply to CCC Construction Standard Specification CSS Parts 1-7; NZTA M30.
- Alternative lighting equipment to that specified in the schedule (columns, outreach arms, luminaires etc) can be provided with the tender or quotation submission, provided all requirements are met and the performance of all alternatives are equal or superior to those indicated on this drawing and within the associated documents.
- Key driver for lighting upgrade was : New Sub-Division
- Consult the designer for any lighting installation works that conflict on site. eg. recorded or unrecorded services.
- On completion documentation, record GPS location of all new Lighting columns.
- All connections part of the lighting installation work carried out, MUST be by an Orion approved contractor.
- All redundant recovered streetlight poles and lanterns shall be removed to the store of the CCC Maintenance Contractor (Connetics Ltd, 11 Islington Avenue, Islington - Contact: Martin Msimanga).
- New column location to be marked by the main contractor surveyor.
- Existing Services Identified in this design are indicative only and it is the contractor responsibility to locate any existing services by contacting BeforeUdig at <https://www.beforeudig.co.nz> before the start of any underground work.

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Rev	Description	Date	Des	Dn	Chk	Apd	Or Apc	Contractor	Designed	R. St-Denis / Conn	March 22
A	Issued to client for comments	10/03/22	RSD	RSD	-	-	-	-	Drawn	R. St-Denis / Conn	March 22
B	Issued to CCC for Final Approval	21/10/22	RSD	RSD	-	-	-	-	Checked	J. Dsouza / Conn	Jan 23
C	Issued to CCC for Final Approval	16/01/23	RSD	RSD	-	-	-	-	Approved	M. Jones / CCC	28/07/23
D	Amended Column position and Luminaire change P25-26	28/07/23	RSD	RSD	-	-	-	-			

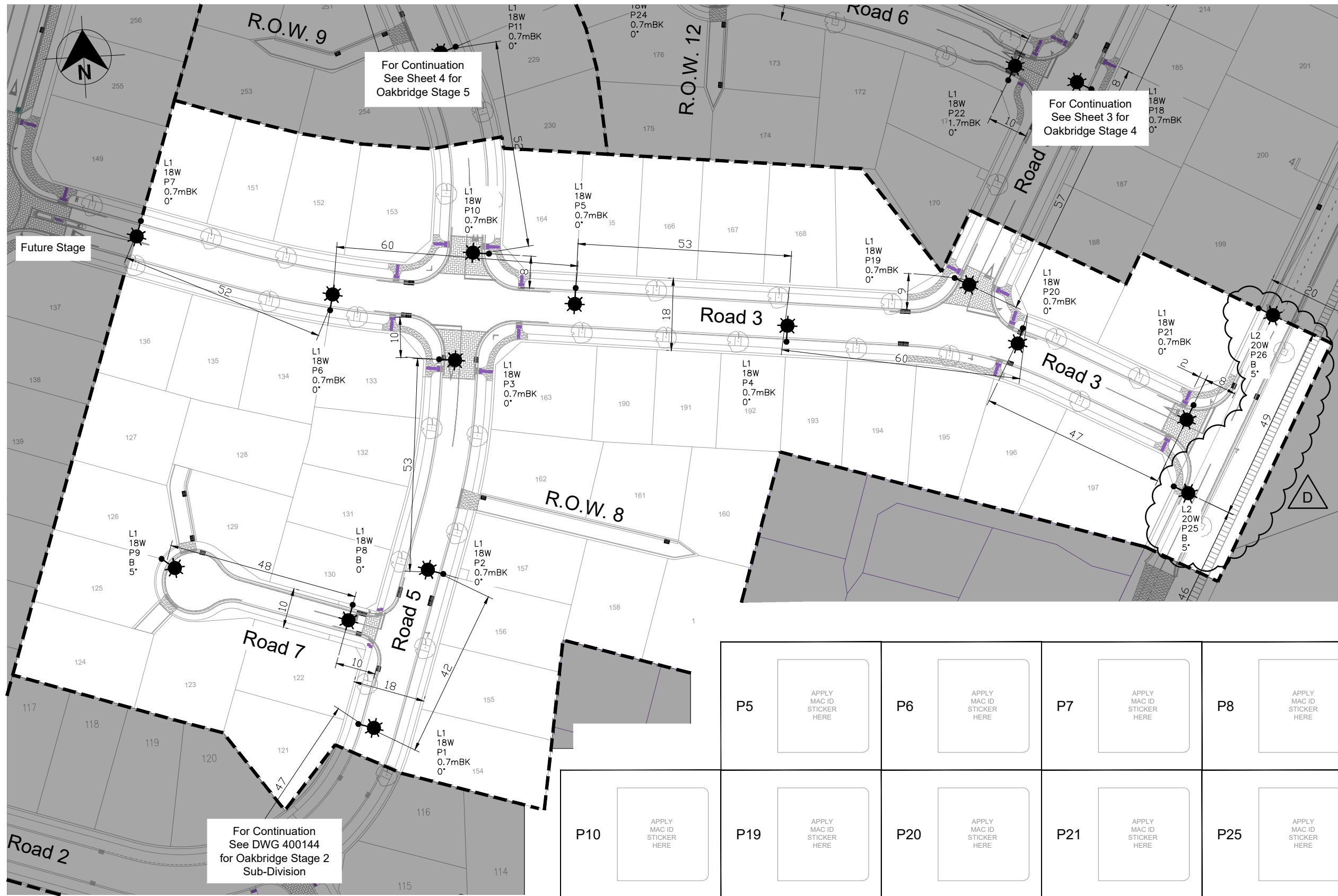
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Revision	D

STREETLIGHTING LAYOUT

Oakbridge Sub-Division
 Stage 3-4-5
 Christchurch

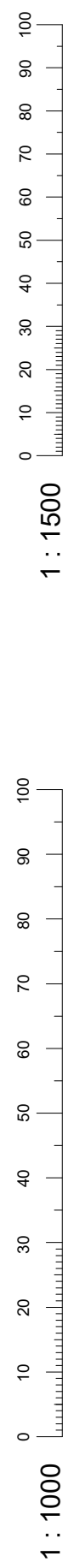
 611 Halswell Junction Rd, Hornby, Christchurch, NZ Phone: (03) 349-7653 Fax: (03) 349-6529 Freephone: (800) 845-845 Web: www.windsorurban.co.nz		
Size	Drawing Number	Sheet
A3	400202	1/4

1 : 1500
1 : 1000



Before issuing the As-Built drawings, apply The MAC ID Sticker supplied with the lighting controller next to their associated Column Number marked below.

P1	APPLY MAC ID STICKER HERE
P2	APPLY MAC ID STICKER HERE
P3	APPLY MAC ID STICKER HERE
P4	APPLY MAC ID STICKER HERE
P5	APPLY MAC ID STICKER HERE
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P10	APPLY MAC ID STICKER HERE
P19	APPLY MAC ID STICKER HERE
P20	APPLY MAC ID STICKER HERE
P21	APPLY MAC ID STICKER HERE
P25	APPLY MAC ID STICKER HERE
P26	APPLY MAC ID STICKER HERE



- NOTES:**
1. Refer to Sheet 1 for Luminaire Schedule, Legend and project specific notes.

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												D

STREETLIGHTING LAYOUT

Oakbridge Sub-Division
Stage 3
Christchurch

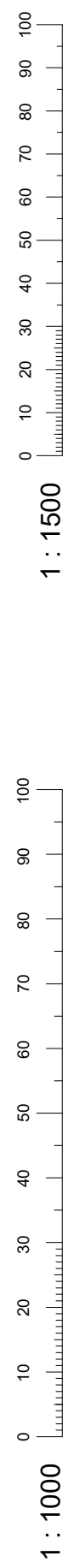
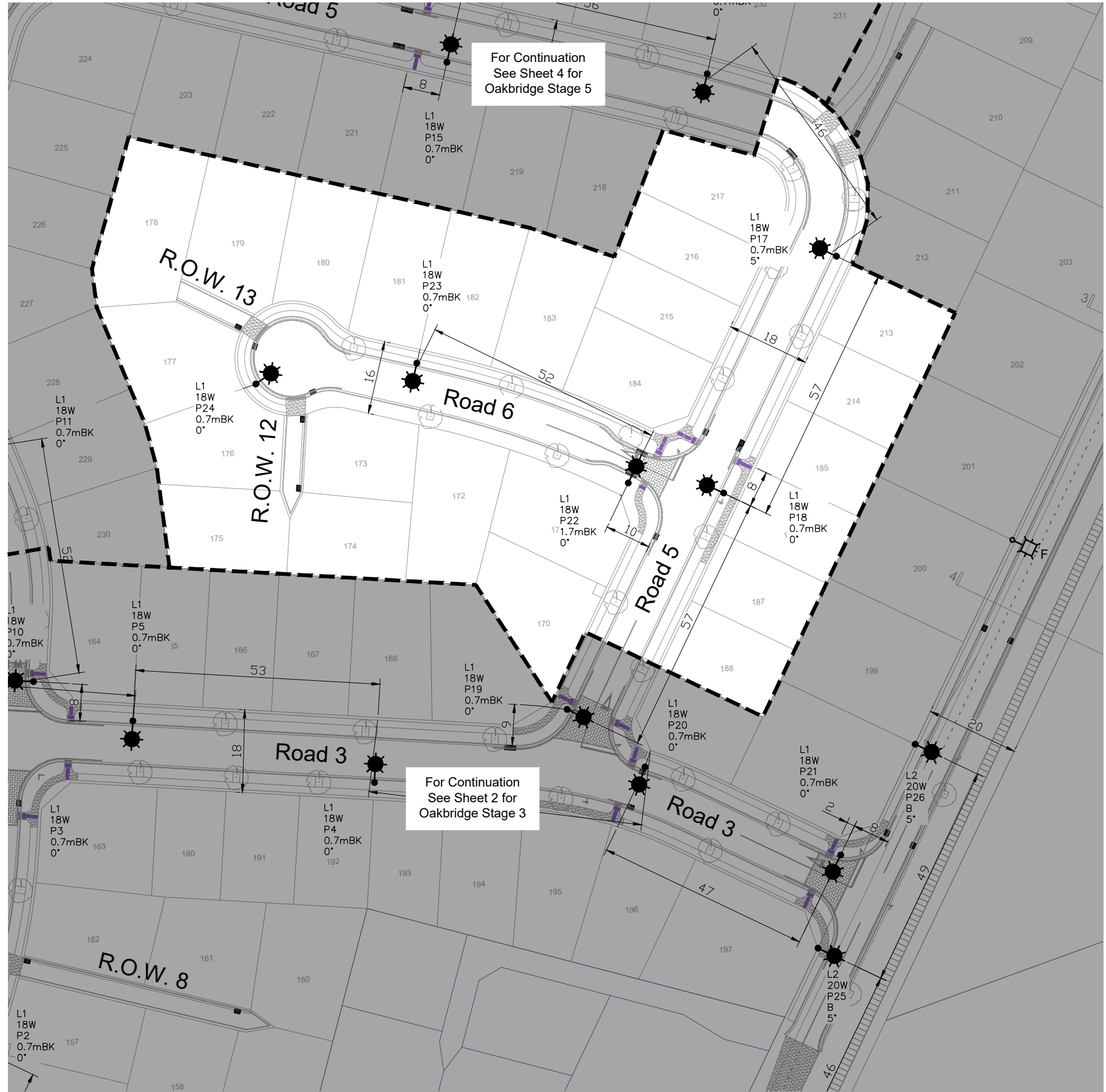
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LIGHTING FURNITURE

611 Halswell Junction Rd, Hornby, Christchurch, NZ
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A3	400202	2/4

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P17	APPLY MAC ID STICKER HERE	P18	APPLY MAC ID STICKER HERE
P22	APPLY MAC ID STICKER HERE	P23	APPLY MAC ID STICKER HERE
P24	APPLY MAC ID STICKER HERE		



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NOTES:

- 1. Refer to Sheet 1 for Luminaire Schedule, Legend and project specific notes.

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												D

STREETLIGHTING LAYOUT

Oakbridge Sub-Division
Stage 4
Christchurch

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Size	Drawing Number	Sheet
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Before issuing the As-Built drawings, apply The MAC ID Sticker supplied with the lighting controller next to their associated Column Number marked below.

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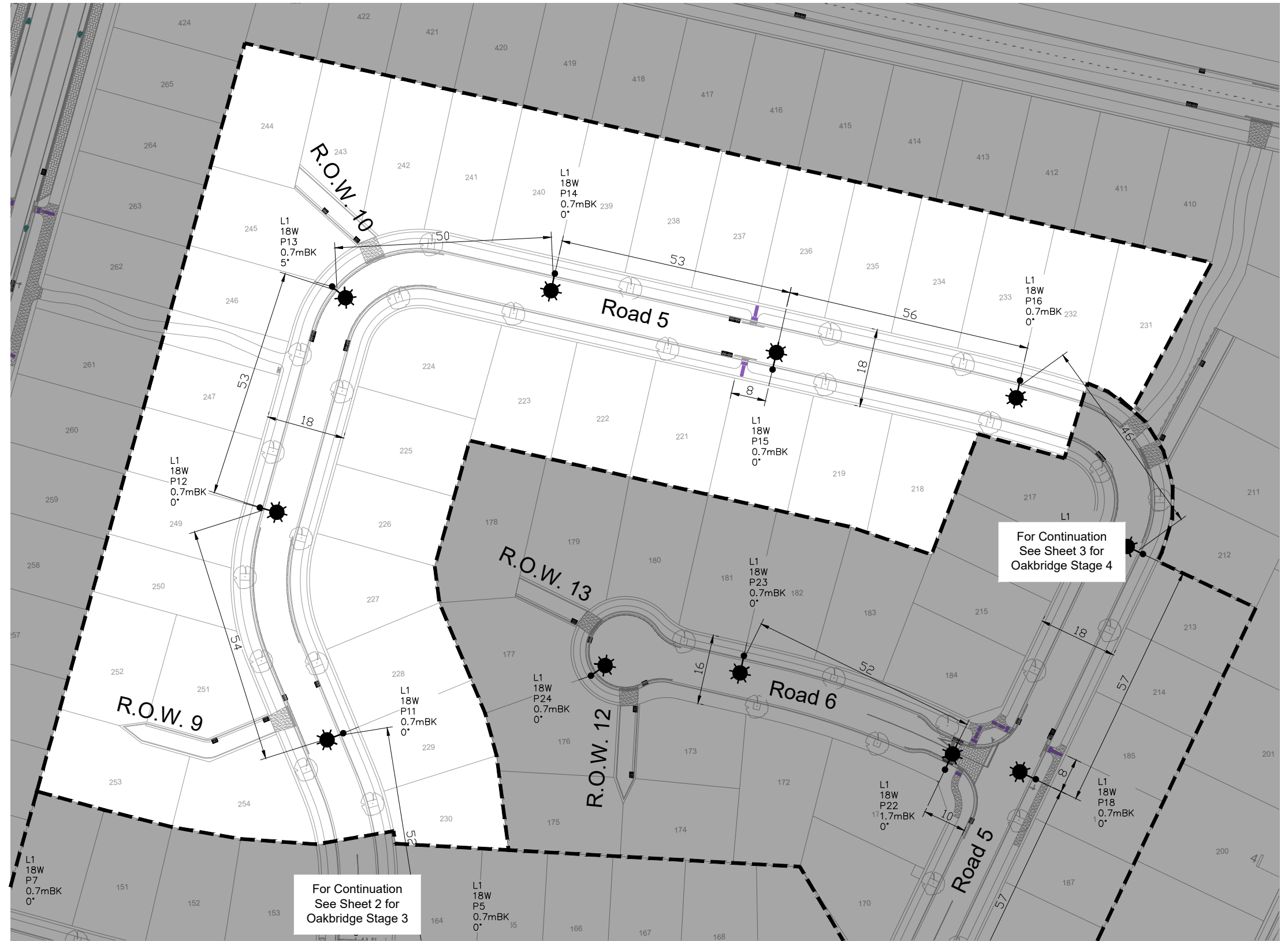
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P13 APPLY MAC ID STICKER HERE

P14 APPLY MAC ID STICKER HERE

P15 APPLY MAC ID STICKER HERE

P16 APPLY MAC ID STICKER HERE



For Continuation See Sheet 3 for Oakbridge Stage 4

For Continuation See Sheet 2 for Oakbridge Stage 3

NOTES:

1. Refer to Sheet 1 for Luminaire Schedule, Legend and project specific notes.

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												D

STREETLIGHTING LAYOUT

Oakbridge Sub-Division
Stage 5
Christchurch

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Size	Drawing Number	Sheet
A3	400202	4/4

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