

LIGHTING SCHEDULE

- L1 Supply and install new luminaire on new column. (See Luminaire & Column Notes 1 to 6)
Luminaire: AEC Techlight ITRON Zero 5P5 STA 7040.060-1M (1 Module LED) 11.9W luminaire, Color: Black
Column: 7.5m MH Standard Decorative Stepped C Column complete with Tuhiinga base and mid casting and **Single** 1.0m 90° 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 6)
Luminaire: AEC Techlight ITRON Zero 5P5 STA 7040.060-2M (2 Module LED) 23W luminaire, Color: Black
Column: 7.5m MH Standard Decorative Stepped C Column complete with Tuhiinga base and mid casting and **Single** 1.0m 90° outreach + arm, Color: Black.
Connection: Connect to U/G SLN.

MAXIMUM DESIGN SPACING

Street Name	Width	Arrangement Type*	Max Spacing
Astoria Street - 3.5m Offset	14.0m	Staggered	54.5m
Astoria Street - 4.5m Offset	14.0m	Single Sided	52.1m
Astoria Street - 4.5m Offset	14.0m	Staggered	54.3m
Dashwood Close - 3.5m Offset	16.0m	Single Sided	52.6m
Dashwood Close - 3.5m Offset	16.0m	Staggered	52.9m
Dashwood Close - 4.5m Offset	16.0m	Single Sided	52.1m
Dashwood Close - 4.5m Offset	16.0m	Staggered	53.1m
Boyce Drive / Lovelock Avenue	18.0m	Staggered	60.5m
Lovelock Avenue	18.6m	Staggered	60.2m

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

SYMBOLS:

- Existing column, outreach arm and luminaire to remain.
- New column, Single outreach arm and luminaire.

SYMBOLS LEGEND:

LX

XXW

P1

0.0m-XX

X°

Lighting Schedule Reference

Original Luminaire Wattage

Column Identification

Column offset

Luminaire Tilt from the horizontal
(See Adjustment Table)

Offset Descriptions

BAt Boundary

BKBehind Kerb

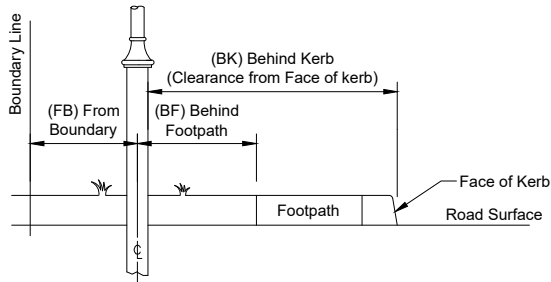
For Decorative Tubular and
Octagonal Column

With Decorative Arms and 0° Spigot*

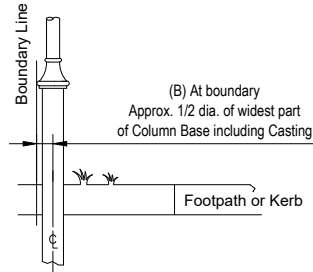
Value Shown on Plan	Adjustment on Luminaire
10°	10°
5°	5°
0°	0°
-5°	-5°

* As per CCC and SDC Standard Column Requirements

TYPICAL COLUMN POSITION:



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

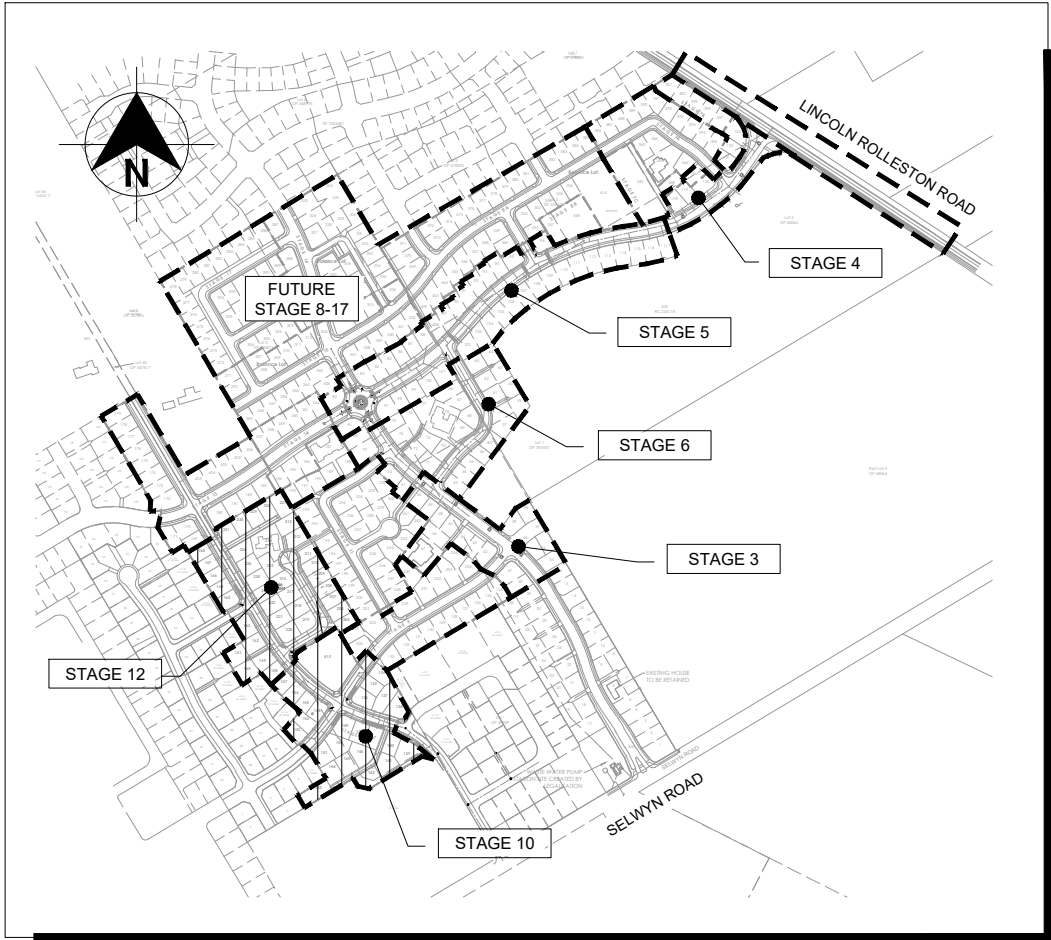


Column to be installed at Boundary Line

ISSUED FOR CONSTRUCTION

Friday, 22 August 2025 12:45:00 pm

KEY PLAN



LUMINAIRE & COLUMN NOTES:

- Luminaire to be fitted with mounting bracket to fit 42mm spigot.
- Luminaire to be supplied with an integral TMS compatible dimmable DALI driver suitable for operating at the specified load and a prewired 7 pin NEMA Socket and complete with shorting cap.
- 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.
- The attached Luminaire Tilt Table is for reference only, it is the installer responsibility to verify during their QA after installation that the luminaire tilt reflect the requested tilt to the horizontal as shown on the design.

NOTES:

- Road illumination is designed to comply with AS/NZS 1158; subcategory PR4, SDC "Code of Practice (ECOP) Part 12" and NZTA M30. Refer to lighting specification for lighting installation requirements.
- 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 redundant recovered streetlight poles and lanterns shall be removed to the store of the SDC Maintenance Contractor (Connetics Ltd, 11 Islington Avenue, Islington - Contact: Scott Millar).
- 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.

SPUNLITE NOTE:

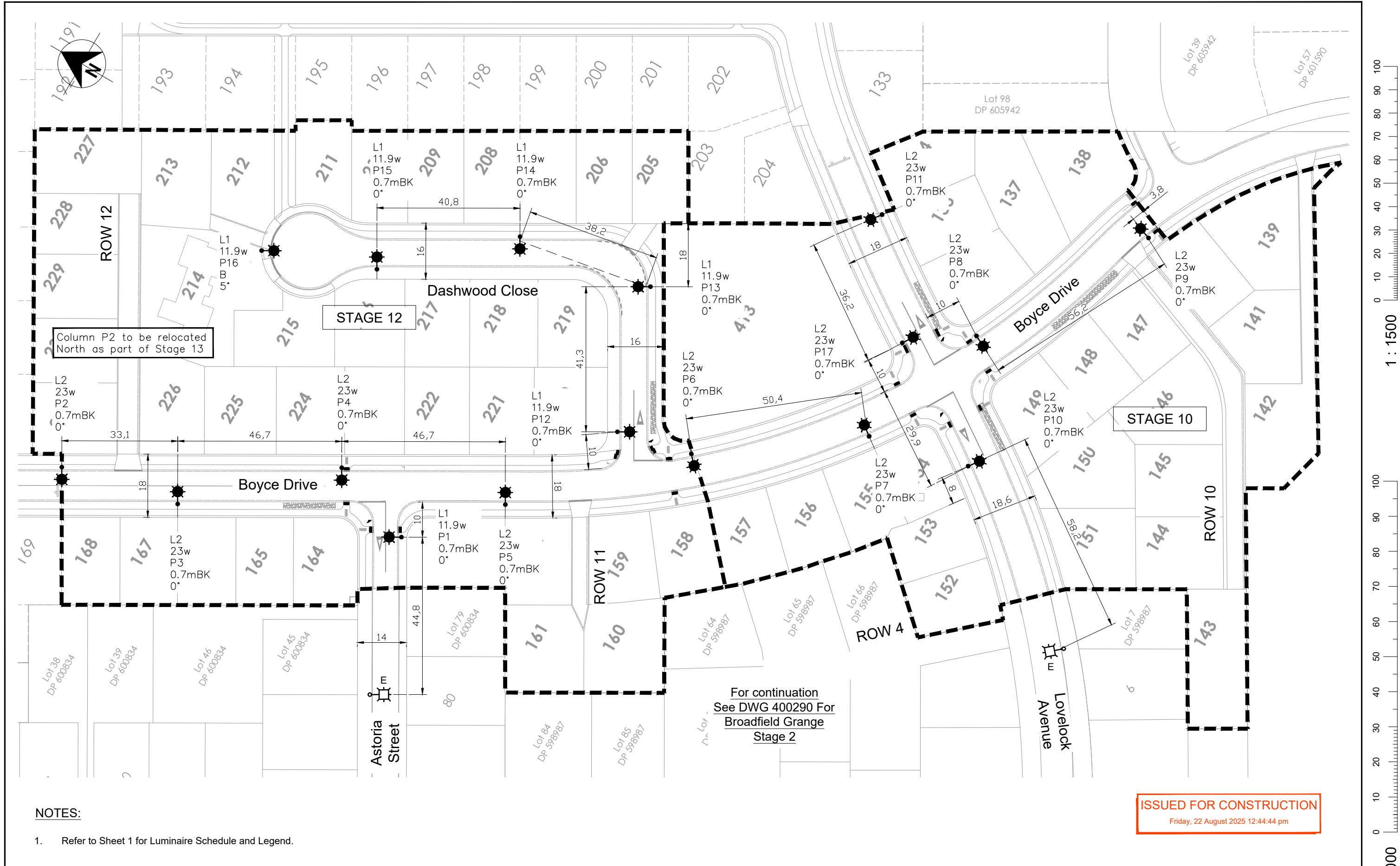
The use of this **FREE** Lighting design, is authorised by Windsor Urban Ltd and Spunlite Poles Ltd, and is conditional upon the specified lighting items(columns and luminaires), being purchased directly from Windsor Urban Ltd and Spunlite Poles Ltd, or our nominated agents. All nominated installing agents are to contact Windsor Urban Ltd and Spunlite Poles Ltd, to obtain product prices related to this project.

Any use of alternative manufacturer's products, differing from those listed in this design, and installed by any contractor, will automatically forfeit the right to use this intellectual property (lighting design).

Windsor Urban Ltd and Spunlite Poles Ltd hold all copyrights to any of our designs and manufactured products in accordance with the Berne Convention.

The lighting designer reserves the right to request that any alternative products, sourced from a non-listed manufacturer, be removed and replaced with the specified products, prior to any audit being conducted.

C WINDSOR URBAN LTD. ALL RIGHTS RESERVED. UNAUTHORISED USE PROHIBITED	Rev	Description	Date	Des	Dn	Chk	Apd	Or Acp	Contractor	Designed	R. St-Denis / Conn	May 25	Scale	STREETLIGHTING LAYOUT	 611 Halswell Junction Rd, Hornby, Christchurch, NZ Phone: (03) 349-7653 Fax: (03) 349-6529 Freeph: (0800) 845-845 Web: www.windsorurban.co.nz	Size Drawing Number Sheet		
	A	Issued to Client for Comments	16/05/25	RSD	RSD	-	-	-	-	Drawn	R. St-Denis / Conn	May 25	1:1000					
	B	Issued to SDC for Final Approval	12/08/25	RSD	RSD	-	-	-	-	Checked	J. Lim / Conn	Aug 25						
										Approved	B. Hayman for SDC	22/08/25						
													Revision					
										Connetics	-	-	B					



NOTES:

- 1. Refer to Sheet 1 for Luminaire Schedule and Legend.

ISSUED FOR CONSTRUCTION
Friday, 22 Aug 2025 12:44:44 pm

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	A3	400386	2 / 2																		
	A	Issued to Client for Comments	16/05/25	RSD	RSD	-	-	-	-	Drawn	R. St-Denis / Conn	May 25	1:1000								
	B	Issued to SDC for Final Approval	12/08/25	RSD	RSD	-	-	-	-	Checked	J. Lim / Conn	Aug 25									
									Approved	B. Hayman for SDC	22/08/25	Revision									
									Connetics	-	-	B									

LIGHTING SCHEDULE

- L1 Disconnect Existing column and luminaire and relocate at indicated location (See Luminaire & Column Notes 1 to 6)
Connection: Connect to U/G SLN.
- L2 Supply and install new luminaire on new column. (See Luminaire & Column Notes 1 to 6)
Luminaire: AEC Techlight ITRON Zero 5P5 STA 7040.060-2M (2 Module LED) 23W luminaire, Color: Black
Column: 7.5m MH Standard Decorative Stepped C Column complete with Tuhinga base and mid casting and **Single** 1.0m 90° outreach + arm, Color: Black.
Connection: Connect to U/G SLN.

MAXIMUM DESIGN SPACING

Street Name	Width	Arrangement Type*	Max Spacing
Boyce Drive	18.0m	Staggered	60.5m
Road 2 - 4.4m Offset	20.0m	Staggered	55.7m
Road 2 - 5.4m Offset	20.0m	Staggered	57.9m

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

SYMBOLS:

- Existing column, outreach arm and luminaire to remain.
- Existing column, outreach arm and luminaire to relocate at indicated location.
- New column, Single outreach arm and luminaire.

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

- B At Boundary
BK Behind Kerb

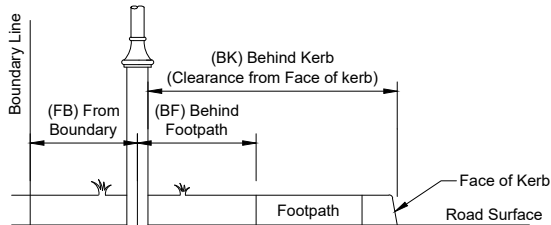
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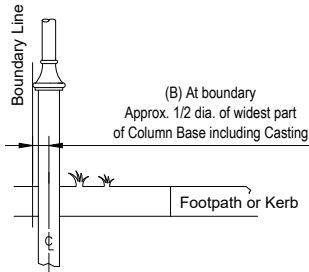
Value Shown on Plan	Adjustment on Luminaire
10°	10°
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* As per CCC and SDC Standard Column Requirements

TYPICAL COLUMN POSITION:

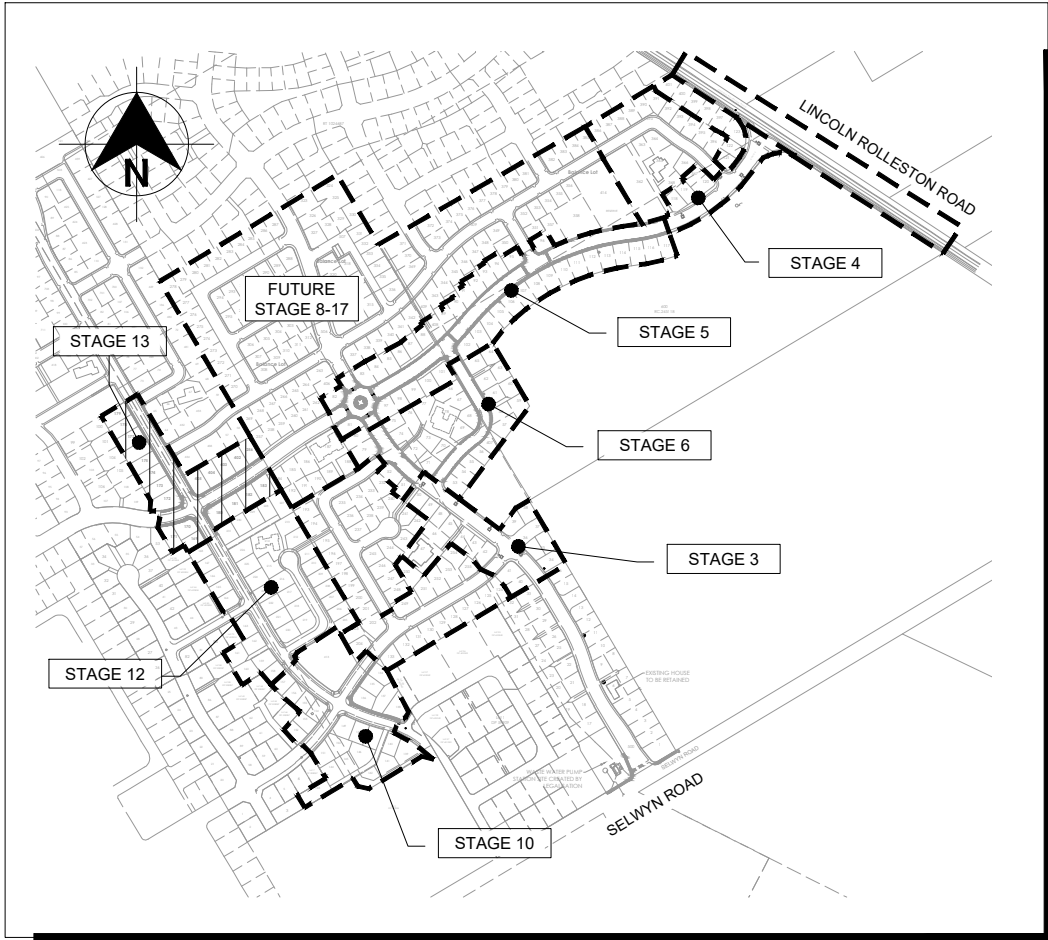


Column to be installed from Boundary Line, Behind Footpath or from Face of Kerb



Column to be installed at Boundary Line

KEY PLAN



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Rev	Description	Date	Des	Dn	Chk	Apd	Or Acp	Contractor	Designed	R. St-Denis / Conn	Aug 25	Scale
A	Issued to Client for Comments	14/08/25	RSD	RSD	-	-	-	-	Drawn	R. St-Denis / Conn	Aug 25	1:1000
B	Issued to SDC For Approval	21/08/25	RSD	RSD	-	-	-	-	Checked	J. Lim / Conn	Aug 25	
									Approved	B. Hayman for SDC	29/08/25	
												Revision
												B
									Connetics	-	-	

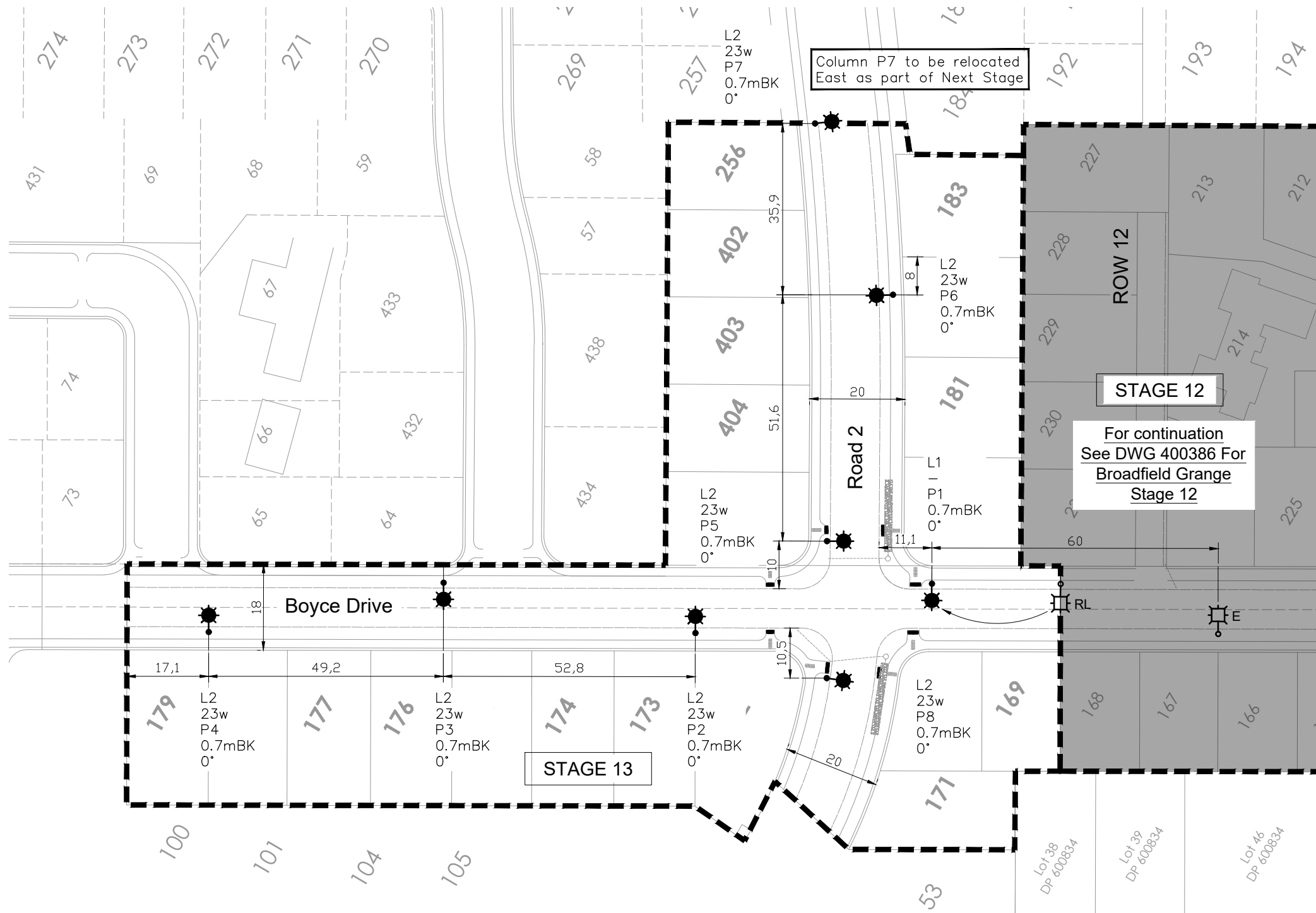
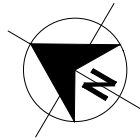
STREETLIGHTING LAYOUT

Broadfield Grange Sub-Division
Phase 2 - Stage 13
East Rolleston

windsorurban
LIGHTING FURNITURE

611 Holswell Junction Rd, Hornby, Christchurch, NZ
Phone: (03) 349-7653 Fax: (03) 349-6529 Freeph: (800) 845-845
Email: www.windsorurban.co.nz

Size	Drawing Number	Sheet
A3	400403	1/2



NOTES:

1. Refer to Sheet 1 for Luminaire Schedule and Legend.

ISSUED FOR CONSTRUCTION
Friday, 29 August 2025 6:50:18 pm

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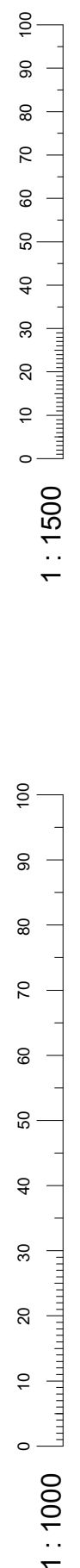
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STREETLIGHTING LAYOUT

Broadfield Grange Sub-Division
Phase 2 - Stage 13
East Rolleston


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Email: info@windsorurban.co.nz

Size	Drawing Number	Sheet
A3	400403	2/2



An inventory of the removed materials and equipment shall be made by using the SDC's standard document - "Road lighting Valuation – Removed equipment" (see Appendix 1).

All of the disconnected and removed materials and equipment shall be temporarily stored at a suitable location at the Contractor's cost pending inspection by the Engineer's representative. An inspection request will require at least 2 working days' notice.

On satisfactory completion of the inspection (to the Engineer's representative's satisfaction) all of the inspected materials and equipment suitable for reuse shall, as soon as practicable, be delivered to the local authority nominated Street Lighting Maintenance Depot.

All transport costs to be allowed for by the Contractor. Materials and equipment shall NOT be delivered to the depot until the Engineer's representative has inspected them.

Materials and equipment not suitable for reuse shall be correctly disposed of at the contractor's cost.

Attention is drawn to various publications (Ministry of Health, etc.) regarding the identification, safe handling and storage of equipment containing polychlorinated biphenyls (PCBs). All removed equipment shall be examined. If any equipment is found that contains (or is suspected of containing) PCBs, the Engineer's representative shall be notified immediately.

All lamp disposals are to be carried out in accordance with SDC and/or NZ Ministry of Health recommendations.

8. NEW ROAD LIGHTING COLUMNS AND OUTREACH ARMS

The columns and outreach arms shall be as specified on the drawings and guaranteed by the columns manufacturer (and/or supplier).

Columns shall be fitted with a standard SDC fuse panel and installed to meet all requirements specified in CSS. (Refer to Appendix 5 for clarification of behind kerb and at boundary).

Base compartment door must face towards the footpath, or any other appropriate direction that allows clear and safe access. Door shall be secured by at least one mushroom head, stainless steel, 6mm Allen Key bolt. The bolt(s) threads shall be coated with a suitable (long life) grease to prevent seizing.

Proposed locations of all columns shall be clearly marked on the ground by the project surveyor. It is the contractor responsibility to contact the project surveyor. Excavations must not be made in the ground, nor columns installed, until the surveyor has approved the proposed location of each column. A minimum of three working days' notice is required for the surveyor to mark new column locations. Column mark out to be completed 2 weeks prior to any construction commencement.

Supply and install all equipment necessary to complete the installation and/or as documented on the drawings.

Columns shall be installed as documented in accordance with the manufacturer's instructions and recommendations. They shall be vertical (+ or - 1° from vertical) after compacting, and shall remain so (except for fair wear and tear) until the end of the defects liability period. The disturbed ground around the