

TYPE B1 BOLLARD LUMINAIRE

- 1.2m HIGH
- LED 3000K
- T4 OPTIC (WIDE-FORWARD THROW)

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TYPE D1 SURFACE CAN DOWNLIGHT LUMINAIRE

- LED 3000K
- W OPTIC (WIDE BEAM)





TYPE D2
RECESSED DOWNLIGHT LUMINAIRE

- LED 3000K
- W OPTIC (WIDE BEAM)



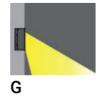


TYPE W1

SURFACE WALL MOUNTED LUMINAIRE

- MOUNTED 2.5m HIGH AFFL
- LED 3000K
- T4 OPTIC (WIDE-FORWARD THROW)





TYPE W2
RECESED WALL MOUNTED LUMINAIRE (BRICK LIGHT)

- MOUNTED 400m ABOVE STEPS
- LED 3000K
- G OPTIC

(WIDE-FORWARD THROW TOWARDS THE GROUND)

RECOMMENDED LIGHTING STANDARDS

Recommended LED light colour temperature to be 3000K and the lighting design be compliant with the recommendations from the Australian Darks Sky Society in minimising upward spill light.

Car Parking within the site to be illuminated to Australian Standards AS/NZS1158.3.1:2020.
Recommended lighting sub-category to be PC3 because vehicle & pedestrian movement at night will be low.
Average horizontal illuminance Eh = 3.5 lux
Point horizontal illuminance Eph = 0.7 lux
Illuminance (horizontal uniformity Cat. P UE2 = 8

Pedestrian paths and cyclist paths within the site to be illuminated to Australian Standards AS/NZS1158.3.1:2020. Recommended lighting sub-category to be PP3 because pedestrian movement at night will be low. Average horizontal illuminance Eh = 3.0 lux Point horizontal illuminance Eph = 0.5 lux Illuminance (horizontal uniformity Cat. P UE2 = 5 Point vertical illuminance EPV = 0.1 lux

Main entry forecourt within the site to be illuminated to Australian Standards AS/NZS1158.3.1:2020.

Recommended lighting sub-category to be PA3 because usage at night will be low.

Average horizontal illuminance Eh = 7.0 lux

Point horizontal illuminance Eph = 2.0 lux Illuminance (horizontal uniformity Cat. P UE2 = 8 Point vertical illuminance EPV = 2.0 lux

New lighting scheme to consider spill light and will be designed to suit Australian standards for spill light AS/NZS4282:2019

Spill Lighting for new external lighting installed for this project is to comply to Australian Standards AS/NZS4282:2019. Recommended environmental zone is considered as Zone A3 Medium district brightness
Vertical Illuminance levels Non-curfew Ev = 10 lux
Vertical Illuminance levels Curfew Ev = 2 lux



SKETCH TITLE BY: jkirkland
PROPOSED EXTERNAL LIGHTING
PHILOSOPHY

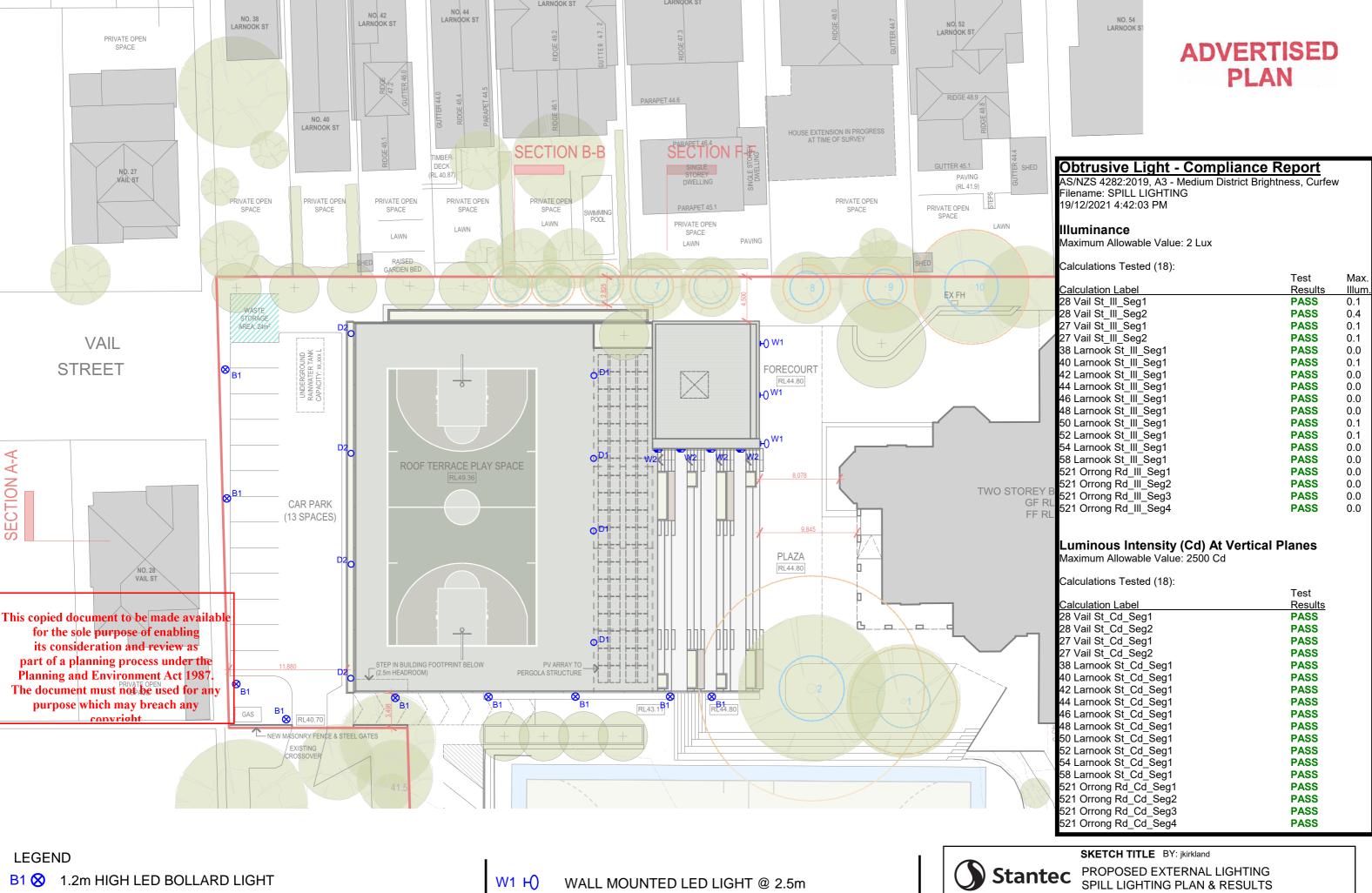
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SURFACE MOUNTED LED CAN DOWNLIGHT (WIDE BEAM)

D2 **O** RECESSED MOUNTED LED DOWNLIGHT (WIDE BEAM)

W2 🕶 RECESSED LED BRICK LIGHT TO LIGHT STAIRS



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