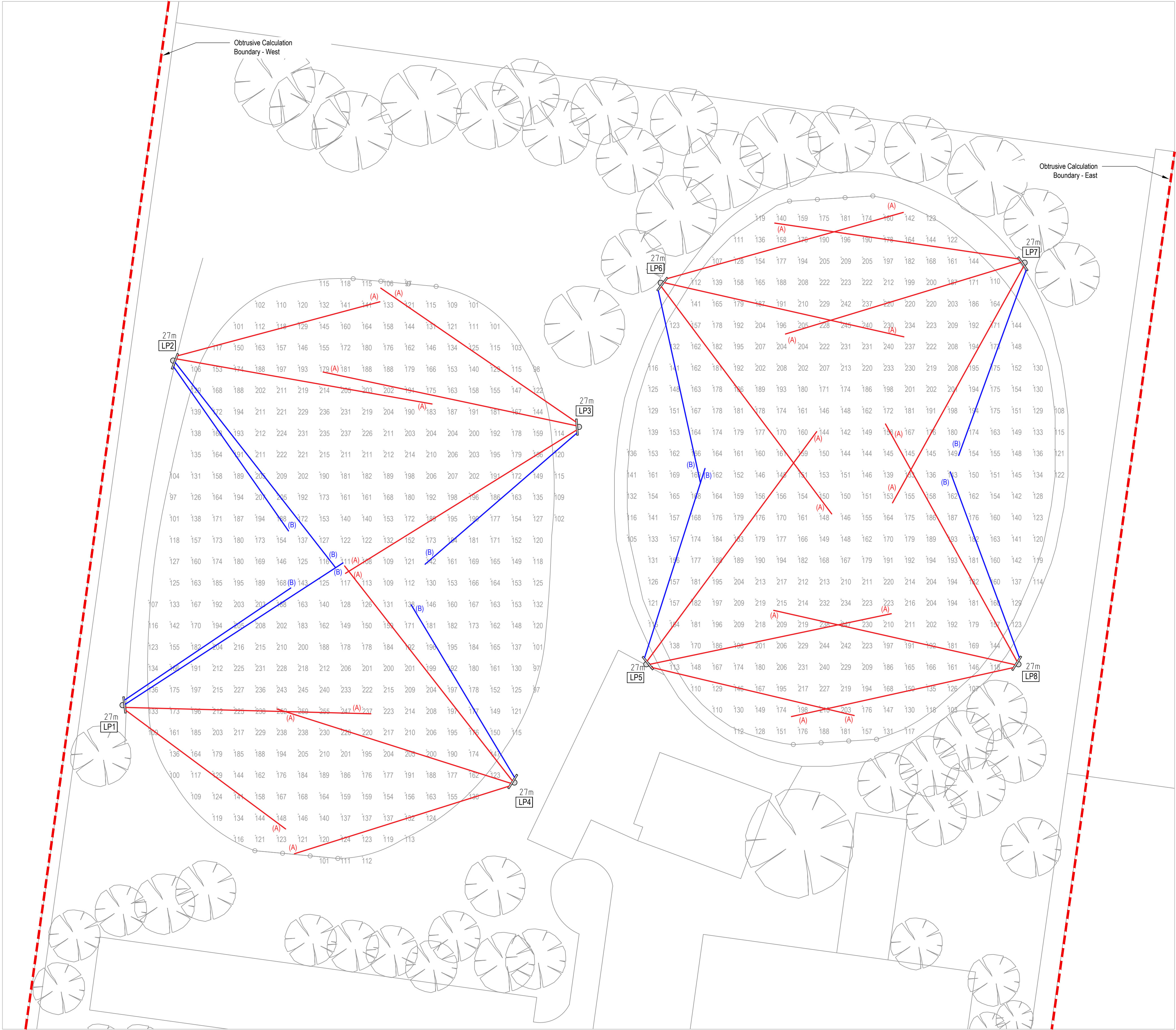
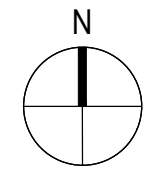
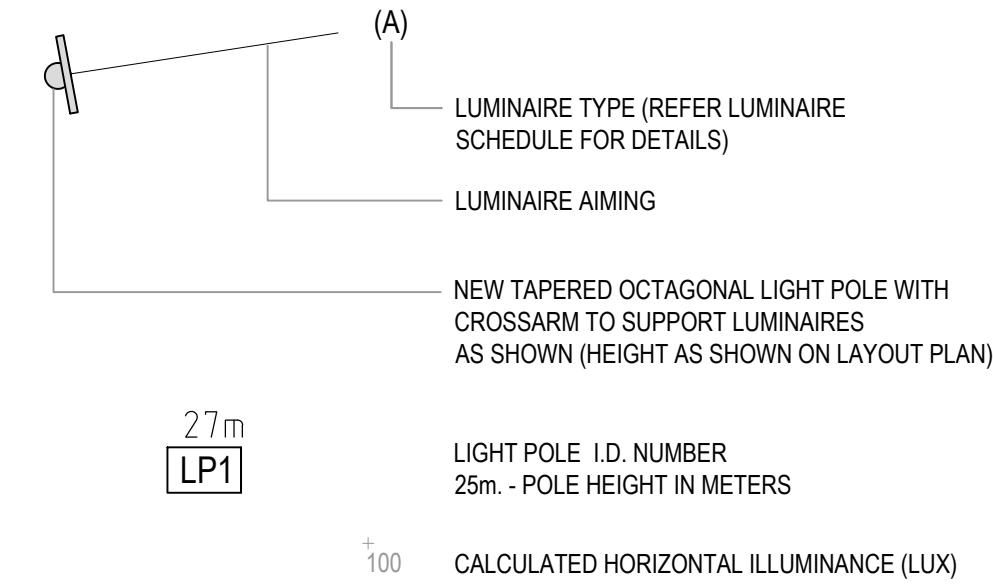


KOONUNG PARK - EAST & WEST OVALS
SPORTS LIGHTING



Lighting Layout
Scale 1:500

Legend



Luminaire Schedule :

(A)	1.5KW ASYMMETRIC NARROW BEAM LED LUMINAIRE WITH BL LOUVRE
(B)	1.5KW ASYMMETRIC NARROW BEAM LED LUMINAIRE WITH L0 LOUVRE

Calculation Summary

Label	Average Horizontal Illuminance (lux)			U1		U2	
	Required	Calculated					
		Initial	Maintained (@ 0.80 LLF)	Required	Calculated	Required	Calculated
East Oval	100	173	138	0.5	0.60	0.3	0.40
West Oval	100	168	134	0.5	0.58	0.3	0.37

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
Filename: LC-01
18/01/2022 2:36:05 PM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (2):

Calculation Label	Test Results	Max. Illum.
2 OL - East_Ill_Seg1	PASS	4.5
2 OL West_Ill_Seg1	PASS	5.5

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (2):

Calculation Label	Test Results
2 OL - East_Cd_Seg1	PASS
2 OL West_Cd_Seg1	PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
OL1 - East & North Bound	1	PASS
OL1 - South & West Bound	1	PASS

Upward Waste Light Ratio (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.1 %
Test Results: PASS

01	PRELIMINARY ISSUE	18.01.22	P.M.	P.M.
ISSUE	REVISION	DATE	REVIEW	APPROVED



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CLIENT
CITY OF WHITEHORSE

PROJECT
KOONUNG PARK, BLACKBURN NORTH
EAST & WEST OVALS: SPORTS LIGHTING

DRAWING
LIGHTING CONCEPT DESIGN

DATE	SCALE	D	R	A
18.01.22	AS SHOWN [A1]	JD	PM	WPH

PROJECT	DWG NO	REVISION	NO IN SET
Q571A	L-01	01	-

STATUS
FOR INFORMATION

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