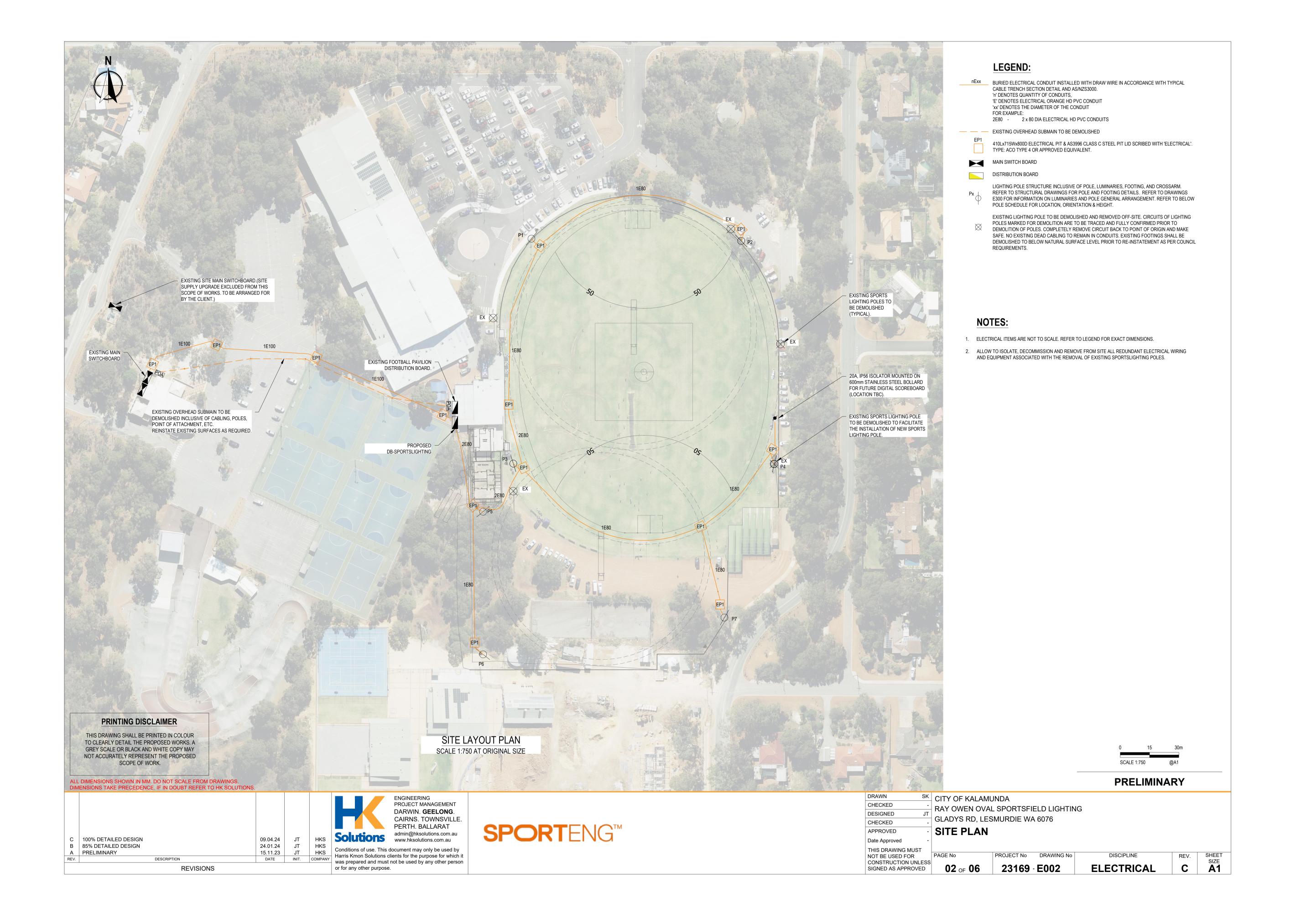
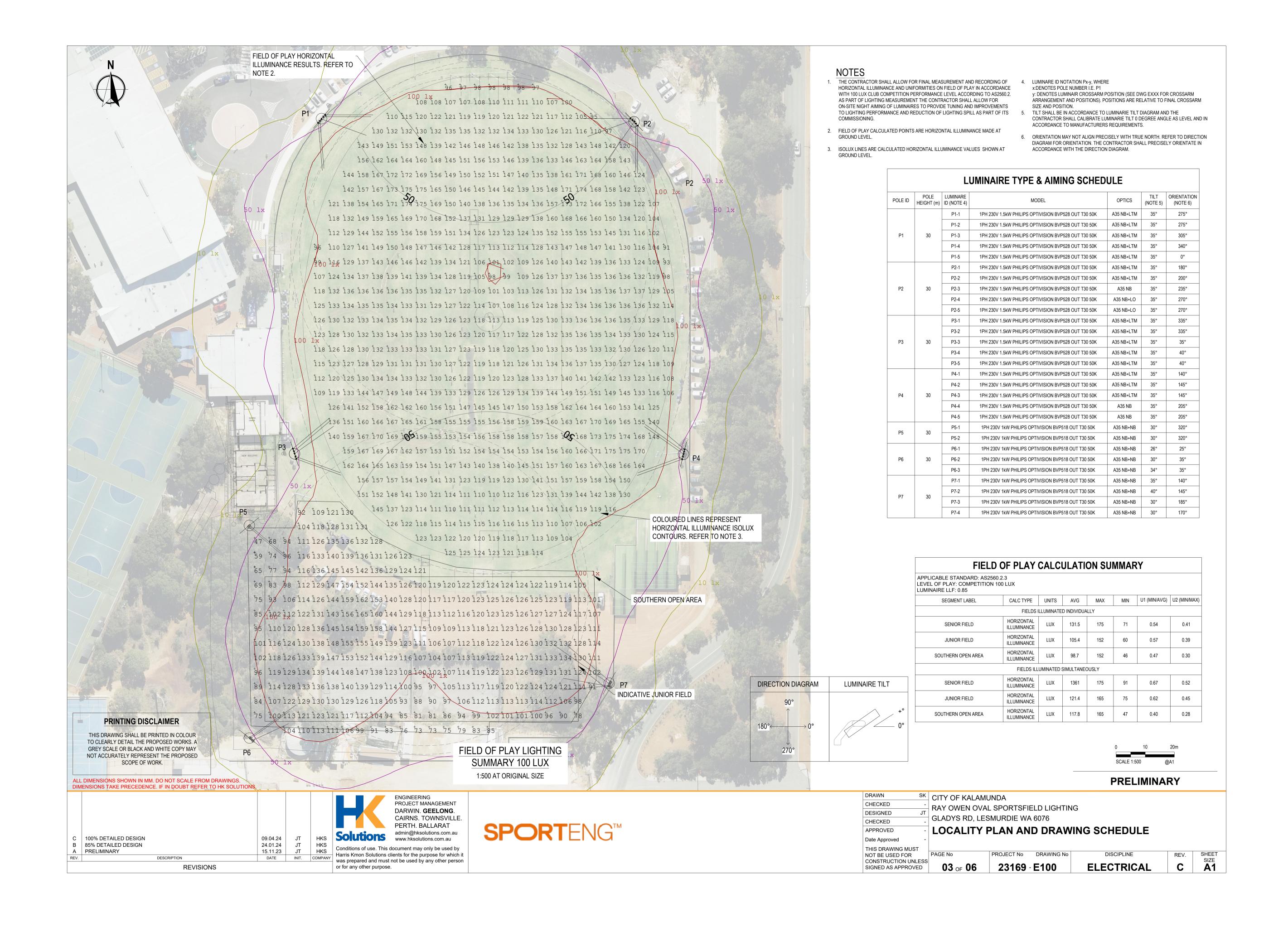
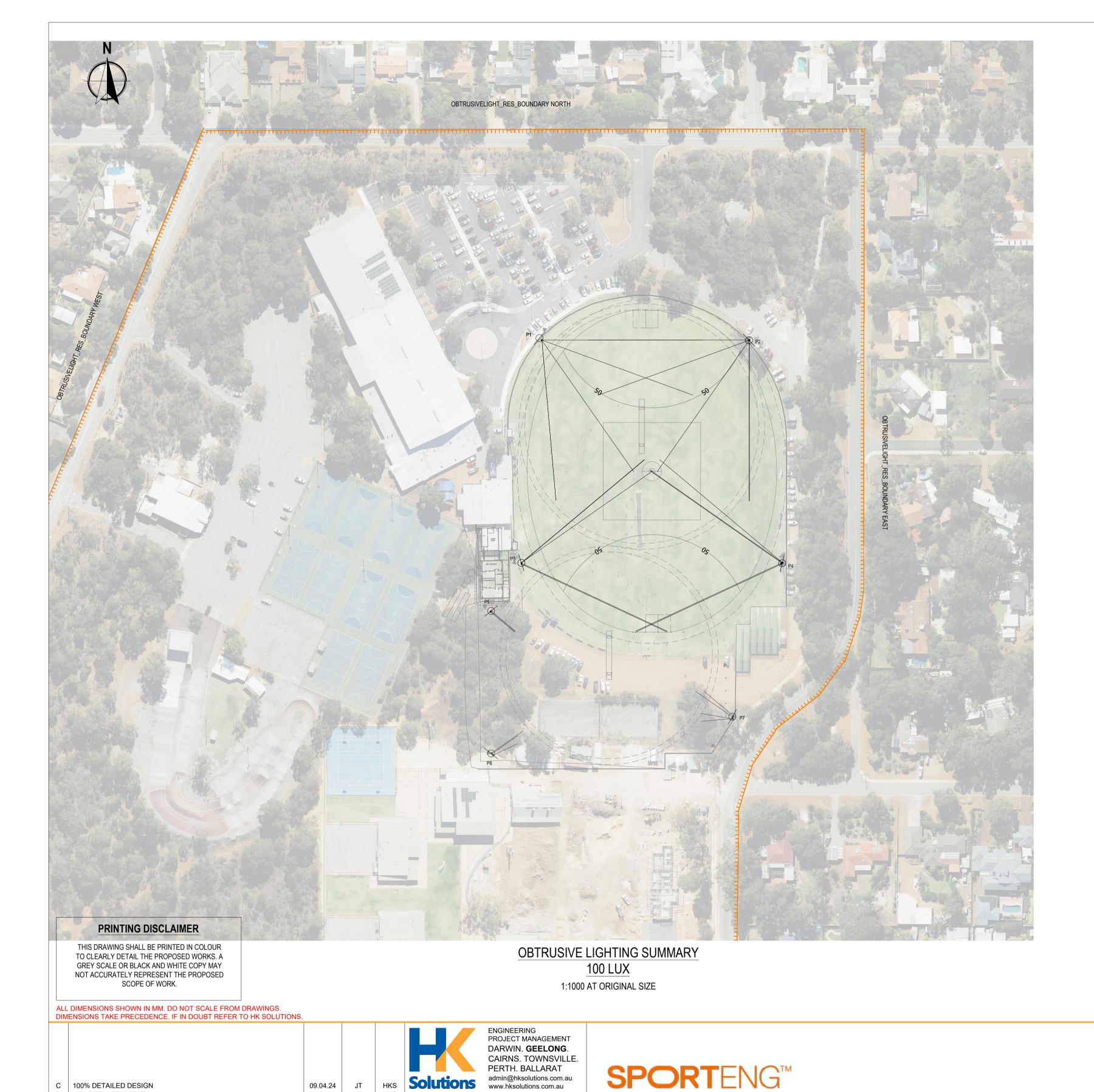
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123





admin@hksolutions.com.au

09.04.24
24.01.24
JT HKS
15.11.23
JT HKS
DATE INIT. COMPANY

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## NOTES

- 1. THE CONTRACTOR SHALL ALLOW FOR FINAL MEASUREMENT AND RECORDING OF HORIZONTAL ILLUMINANCE AND UNIFORMITIES ON FIELD OF PLAY IN ACCORDANCE WITH CLUB COMPETITION PERFORMANCE LEVEL ACCORDING TO AS2560.2. AS PART OF LIGHTING MEASUREMENT THE CONTRACTOR SHALL ALLOW FOR ON-SITE NIGHT AIMING OF LUMINAIRES TO PROVIDE TUNING AND IMPROVEMENTS TO LIGHTING PERFORMANCE AND REDUCTION OF LIGHTING SPILL AS PART OF ITS COMMISSIONING.
- 2. OBTRUSIVE LIGHTING WAS CALCULATED AT THE PROPERTY BOUNDARIES USING A GRID PLANE 20M HIGH WITH 5M HORIZONTAL & 2M VERTICAL POINT GRID SPACING. THE CALCULATIONS WERE PERFORMED WITH AGI32 SOFTWARE USING A LIGHTING ZONE 'A3' & L1 CURFEW CONDITIONS AS PER AS4282-2019.

<b>OBTRUSIVE LIGHTING CALCULATION SUMMARY</b>									
APPLICABLE STANDARD: AS/NZS ENVIRONMENTAL ZONE: A3 CONDITIONS: NON-CURFEW L1 LUMINAIRE LLF: 1.0	4282:2019								
SEGMENT LABEL	CALC TYPE	UNITS	CALC MAX	AS4282 LIMIT	AS4282 COMPLIANT?				
OBTRUSIVELIGHT_RES_BOUNDARY EAST	LUMINOUS INTENSITY	Cd	11891	12500	YES				
	VERTICAL ILLUMINANCE	LUX	6.3	10	YES				
OBTRUSIVELIGHT_RES_BOUNDARY NORTH	LUMINOUS INTENSITY	Cd	10283	12500	YES				
	VERTICAL ILLUMINANCE	LUX	0.7	10	YES				
OBTRUSIVELIGHT_RES_BOUNDARY WEST	LUMINOUS INTENSITY	Cd	11137	12500	YES				
	VERTICAL ILLUMINANCE	LUX	0.4	10	YES				

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
Filename: 23169 - RAY OWEN OVAL (02) 9/04/2024 3:32:43 PM

Illuminance Maximum Allowable Value: 10 Lux			Luminous Intensity (Cd) At Vertical Planes Maximum Allowable Value: 12500 Cd		
Calculations Tested (10):	Test	Max.	Calculations Tested (10):	Tes	
Calculation Label  OB RES WEST_III_Seg1  OB RES NORTH_III_Seg1  OB RES EAST_III_Seg1  OB RES EAST_III_Seg2  OB RES EAST_III_Seg3  OB RES EAST_III_Seg4  OB RES EAST_III_Seg5  OB RES EAST_III_Seg6  OB RES EAST_III_Seg6  OB RES EAST_III_Seg6	Results PASS PASS PASS PASS PASS PASS PASS PAS	10.4 0.7 2.3 1.7 2.0 2.6 5.1 6.3 4.3	Calculation Label OB RES WEST_Cd_Seg1 OB RES NORTH_Cd_Seg1 OB RES EAST_Cd_Seg1 OB RES EAST_Cd_Seg2 OB RES EAST_Cd_Seg3 OB RES EAST_Cd_Seg4 OB RES EAST_Cd_Seg5 OB RES EAST_Cd_Seg6 OB RES EAST_Cd_Seg6 OB RES EAST_Cd_Seg6	Res PAS PAS PAS PAS PAS PAS	
OB RES EAST_III_Seg8	PASS	1.6	OB RES EAST_Cd_Seg8	PAS	

**PRELIMINARY** 

SK CITY OF KALAMUNDA CHECKED DESIGNED CHECKED APPROVED Date Approved THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED

RAY OWEN OVAL SPORTSFIELD LIGHTING GLADYS RD, LESMURDIE WA 6076

**OBTRUSIVE LIGHTING DESIGN SUMMARY** 

REV. SHEET SIZE A1 PROJECT No DRAWING No DISCIPLINE **ELECTRICAL 04** OF **06** 23169 - E101

City of Kalamunda

100% DETAILED DESIGN

REVISIONS

B 85% DETAILED DESIGN A PRELIMINARY

