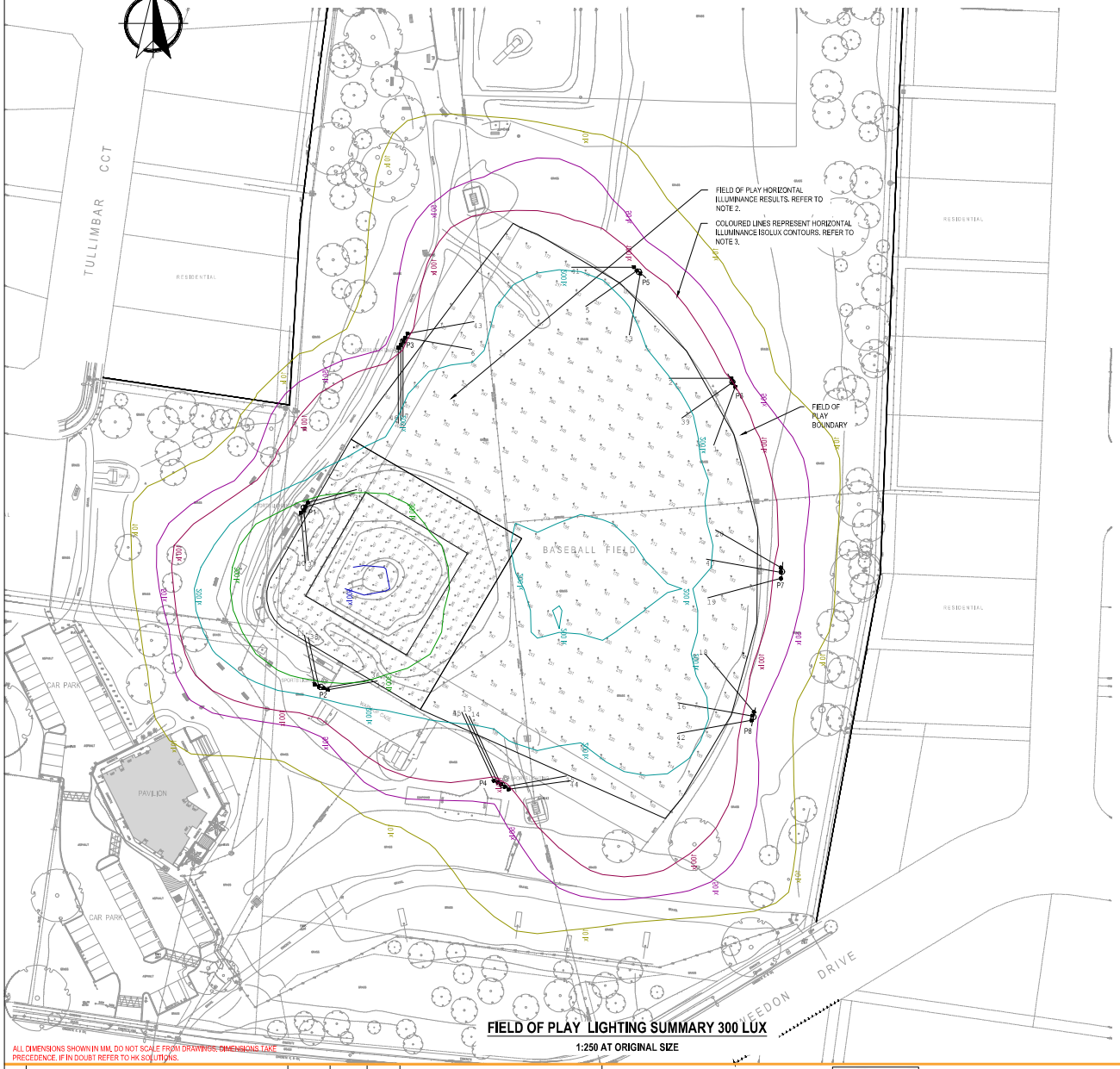


FIELD OF PLAY LIGHTING SUMMARY 300 LUX

1:250 AT ORIGINAL SIZE

ALL DIMENSIONS SHOWN IN MM. DO NOT SCALE FROM DRAWINGS. DIMENSIONS TAKE PRECEDENCE. IF IN DOUBT REFER TO HK SOLUTIONS.

NOTES

1. FIELD OF PLAY CALCULATED POINTS ARE HORIZONTAL ILLUMINANCE MADE AT GROUND LEVEL.
2. ISOLUX LINES ARE CALCULATED HORIZONTAL ILLUMINANCE VALUES SHOWN AT GROUND LEVEL.
3. CALCULATIONS ARE BASED ON 0% REFLECTANCE VALUES.
4. BOTH 300 LUX AND PROVISIONAL 500 LUX LUMINAIRES ARE SHOWN. CONTRACTOR SHALL INSTALL 300 LUX LUMINAIRES ONLY AND MAKE PROVISION FOR THE DESIGN AND CONSTRUCTION OF LIGHTING POLES, FOOTINGS AND CROSSARMS FOR ALL POLES TO INCLUDE BOTH THE PROPOSED 300 LUX AND FUTURE 500 LUX LED LUMINAIRES.

LUMINAIRE TYPE & AIMING SCHEDULE

POLE ID	POLE HEIGHT (m)	LUMINAIRE ID	MODEL	OPTICS	TILT	ORIENTATION	PERFORMANCE LEVEL (NOTE 4)
P1	25	10	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB	25°	275°	300 LUX
P1	25	37	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB	25°	275°	300 LUX
P1	25	35	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	25°	15°	300 LUX
P1	25	9	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	25°	15°	500 LUX
P2	25	12	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB	25°	10°	500 LUX
P2	25	36	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB	25°	10°	300 LUX
P2	25	38	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	25°	102°	300 LUX
P2	25	11	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	25°	102°	300 LUX
P3	25	46	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	270°	500 LUX
P3	25	8	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	270°	300 LUX
P3	25	7	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	270°	300 LUX
P3	25	6	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	32°	350°	300 LUX
P3	25	43	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	32°	350°	300 LUX
P4	25	44	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	10°	300 LUX
P4	25	15	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	10°	300 LUX
P4	25	14	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	115°	300 LUX
P4	25	13	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	115°	300 LUX
P4	25	45	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	115°	500 LUX
P5	25	41	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	180°	300 LUX
P5	25	5	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	205°	500 LUX
P5	25	3	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	260°	300 LUX
P6	25	2	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	180°	300 LUX
P6	25	39	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	215°	500 LUX
P6	25	1	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	30°	250°	300 LUX
P7	25	20	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	150°	300 LUX
P7	25	40	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	170°	500 LUX
P7	25	19	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	195°	300 LUX
P8	25	18	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	130°	300 LUX
P8	25	16	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	170°	500 LUX
P8	25	42	1PH 230V 1.5kW PHILIPS OPTIVISION BVP528 OUT T30 4K	NB + LT	35°	190°	300 LUX

FIELD OF PLAY CALCULATION SUMMARY

APPLICABLE STANDARD: AS2560.2 (BASEBALL)
LEVEL OF PLAY: COMPETITION 300 LUX
LUMINAIRE LLF: 0.85

SEGMENT LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	U1 (MIN/AVG)	U2 (MIN/MAX)
INFIELD	HORIZONTAL ILLUMINANCE	LUX	363	511	192	0.63	0.44
OUTFIELD	HORIZONTAL ILLUMINANCE	LUX	215	294	121	0.56	0.41

0 5 10m
SCALE 1:250 @A1

NOT FOR CONSTRUCTION

REV.	DESCRIPTION	DATE	INIT.	COMPANY
0	100% DETAILED DESIGN	31.10.25	RO	HKS

REVISIONS

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WHITEHORSE CITY COUNCIL

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DESIGNED	SK
CHECKED	RO
APPROVED	RO
Date Approved	31.10.25

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WHITEHORSE CITY COUNCIL
BILLABONG PARK BASEBALL
BILLABONG PARK, VERMONT SOUTH, VIC
ELECTRICAL AND LIGHTING SERVICES
LIGHTING SUMMARY 300LUX

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