



LEGEND:

- EXISTING BUILDING / STRUCTURE TO BE RETAINED
- EXISTING TREE TO BE RETAINED
- EXISTING BITUMEN PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING CRUSHED ROCK SURFACE
- EXISTING PERMEABLE GROUND / GRASSED AREA
- EXISTING GARDEN BEDS
- EXISTING ASTRO TURF

STAGE 2 VCE & MIDDLE SCHOOL BUILDINGS:

- 4.4km TO PARKMORE SHOPPING CENTRE
- 5.8km TO DANDENONG TRAIN STATION & DANDENONG SHOPPING PRECINCT
- 4.5km TO PARKMORE MEDICAL CENTRE
- 1.2km TO KEYSBOROUGH SOUTH SHOPPING CENTRE

SITE AREA SUMMARY:

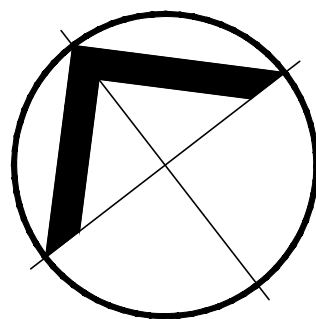
SITE AREA:	97,140m ²	
EXISTING BUILDINGS FOOTPRINTS	9,040m ²	9.3%
EXISTING DRIVEWAYS & PAVEMENT (NON-PERMEABLE)	25,100m ²	25.8%
TOTAL IMPERVIOUS SURFACES	34,180m ²	35.2%
TOTAL PERVIOUS SURFACES	62,960m ²	64.8%

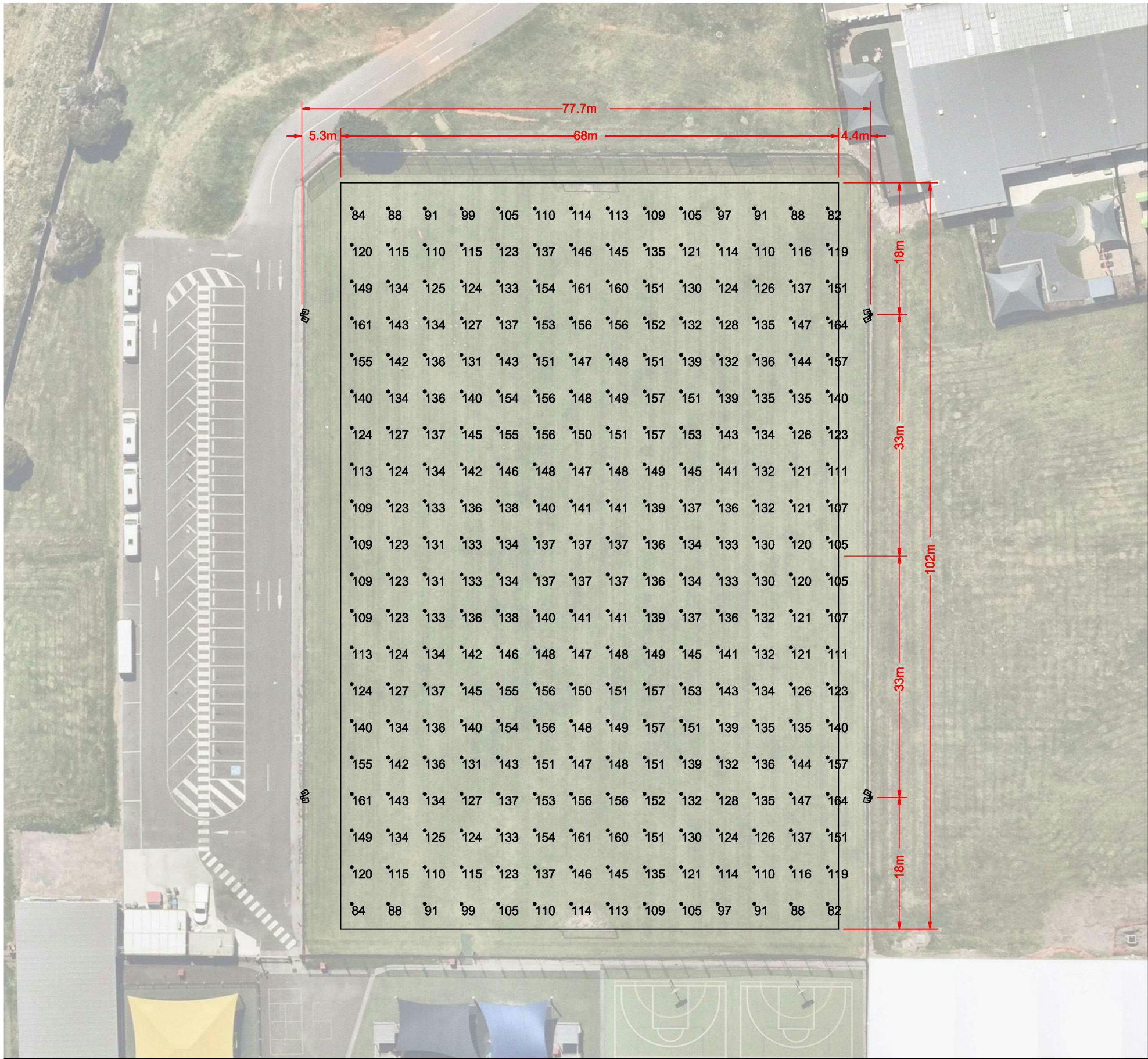
SOCCER PITCH LIGHTING NOTES:

- SOCCER PITCH LIGHTS TO HAVE A MANUAL ON/OFF SWITCH LOCATED AT THE SWITCHBOARD AND ALSO A TIMER FITTED TO ENSURE THE LIGHTS TURN OFF AT 11PM
- SOCCER PITCH LIGHTS TO BE SET AT 100LUX, WHICH IS THE MINIMUM LIGHT LEVEL FOR SOCCER TRAINING

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C	28/11/2024	Aerial Photo & Neighbouring Property Information Updated
B	19/11/2024	Soccer Pitch - External Lighting Notes Added
A	04/09/2024	Soccer Pitch - External Light Poles Added
Rev	Date	Description





Obtrusive Light - Compliance Report		
AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1		
Filename: Mt Hira Soccer AS4282 AGI		
5/09/2024 9:11:30 AM		
Illuminance		
Maximum Allowable Value: 10 Lux		
Calculations Tested (4):		
Calculation Label	Test Results	Max. Illum.
OL - EAST_III_Seg1	PASS	1.0
OL - WEST_III_Seg1	PASS	1.0
OL - NORTH_III_Seg1	PASS	0.6
OL - SOUTH_III_Seg1	PASS	0.6
Luminous Intensity (Cd) At Vertical Planes		
Maximum Allowable Value: 12500 Cd		
Calculations Tested (4):		
Calculation Label	Test Results	
OL - EAST_Cd_Seg1	PASS	
OL - WEST_Cd_Seg1	PASS	
OL - NORTH_Cd_Seg1	PASS	
OL - SOUTH_Cd_Seg1	PASS	
Upward Waste Light Ratio (UWLR)		
Maximum Allowable Value: 2.0 %		
Calculated UWLR:	0.2 %	
Test Results:	PASS	

Luminaire Schedule		
Qty	Label	LLF
8	ELA HLF1500-HN1v4	1.000

LUMINAIRE MOUNTING:
Mounting height: 18 metres
Luminaire upward tilt: Maximum 12 degrees

DESIGN NOTES:
Light Loss Factor (LLF) of 1.00 has been applied to all luminaires.

When applying 0.85 LLF, the lighting system performance meets the minimum lighting criteria of AS2560.2:2021 for the following level of play:
Club competition and match practice for amateur level and match practice for semi-professional level (100 lux) as per table 2.6.1

System complies with AS4282.

CALCULATION POINTS

AS2560 FIELD ILLUMINANCE
Plane Height: 0m (surface level)
Point Spacing: 5m
Calculation points as per AS2560.2:2021

Calculation Summary								
Project: AS2560 CALCULATIONS								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	UG
EH FIELD	Illuminance	Lux	133.0	164	82	0.62	0.50	1.45

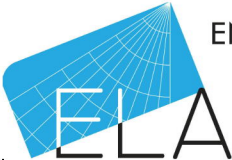
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PROJECT:

LIGHTING SYSTEM: ELA UNILUX HLF SERIES LED v4
18 METRE MOUNTING HEIGHT



LIGHTING DESIGN ANALYSIS NO. ELA240905A

ENVIRONMENTAL LIGHTING AUSTRALIA

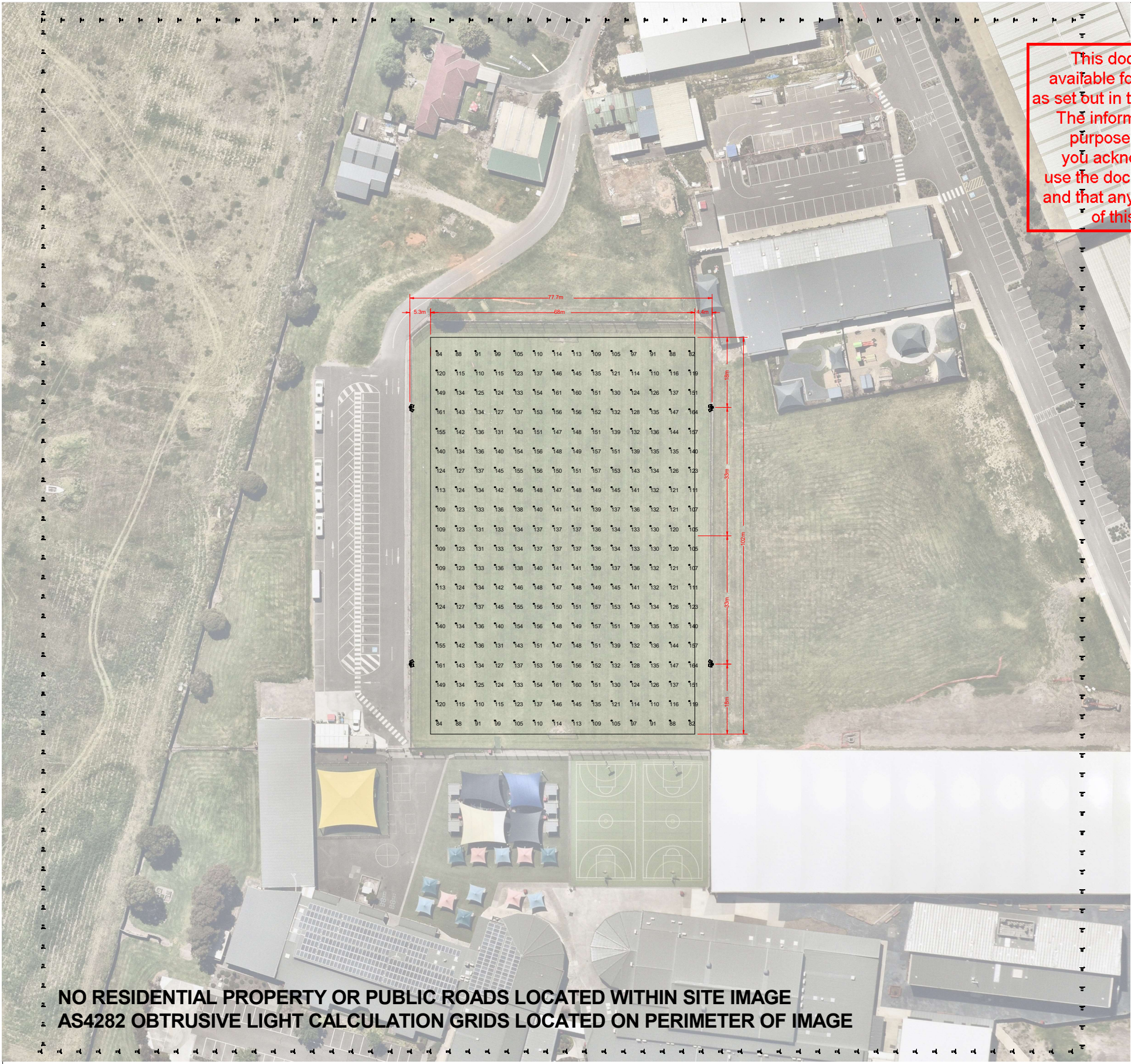
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NO RESIDENTIAL PROPERTY OR PUBLIC ROADS LOCATED WITHIN SITE IMAGE
AS4282 OBTRUSIVE LIGHT CALCULATION GRIDS LOCATED ON PERIMETER OF IMAGE



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PROJECT: KEYSBOROUGH TURKISH ISLAMIC CULTURAL CENTRE AND MT HIRA COLLEGE

LIGHTING SYSTEM: ELA UNILUX HLF SERIES LED v4
18 METRE MOUNTING HEIGHT

LIGHTING DESIGN ANALYSIS NO. ELA240905A



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