

Case Consulting Engineers

A.B.N. 30128275610
4 Ross Street Kew Vic. 3101
Tel. 03 9817 3806
Mob. 0418 482 483
Email. peter@caseconsulting.com.au

Urban Initiatives
Ground Floor, 143 Franklin Street,
Melbourne VIC 3000

1107.4L 27th January 2022

Attention Tim Hart

**RE: NORTH RICHMOND HOUSING ESTATE
LANDSCAPING AND GREENING PROJECT
FUTSAL COURT LIGHTING**

Further to your request we attach the lighting design for the Futsal court including the spill lighting onto the west side of 110 Elizabeth Street (which is the closest habitable room building to the futsal court lighting).

The Australian/NewZealand Standard "Control of the obtrusive effects of outdoor lighting" AS/NZS 4282:2019 is the applicable standard and we believe that this site would meet with Table 3.1 Environmental Zones Zone "A3" Medium district brightness such as Suburban areas in towns and cities

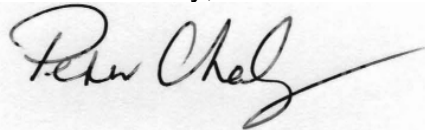
Table 3.2 Maximum Values of Light Technical Parameters has a non-curfew hour illumination in the vertical plane (Ev) of 10 lux

The lowest point of a habitable room window on this building is approximately 4.8 meters above the ground.

From the attached lighting calculations the light levels calculated produced at the lowest points of the habitable room windows generally meets the Ev 10 lux light levels criteria and decreases further up the building.

We trust the above is to your satisfaction and await your further advice

Yours faithfully,



PETER CHALY
CASE CONSULTING ENGINEERS

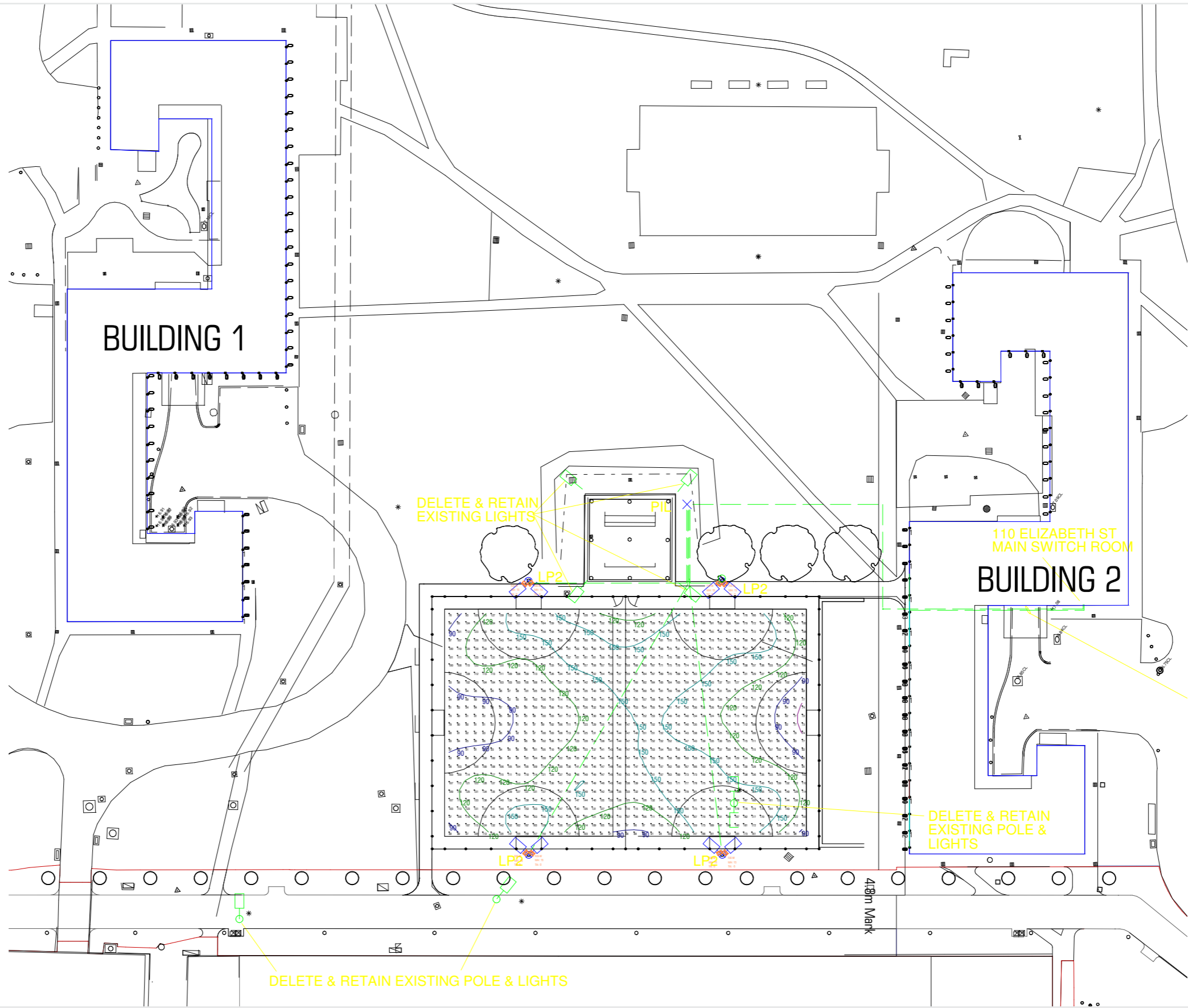
True Lighting Professionalism



DHHS RICHMOND

FUTSAL COURT



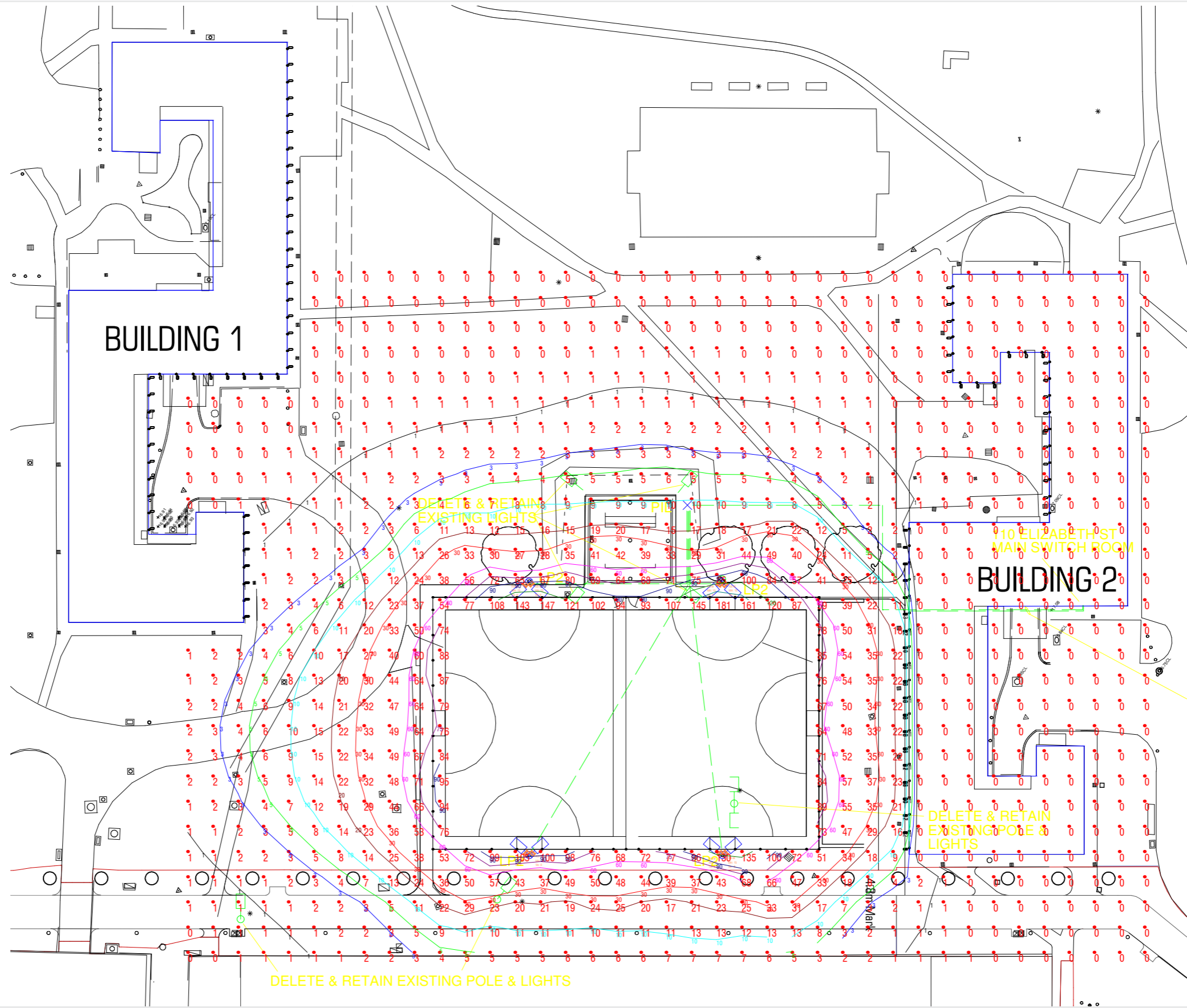


DESIGN FUTSAL COURT



CLIENT
CASE CONSULTING

REFERENCE GW1074D
REVISION
SCALE NOT TO SCALE

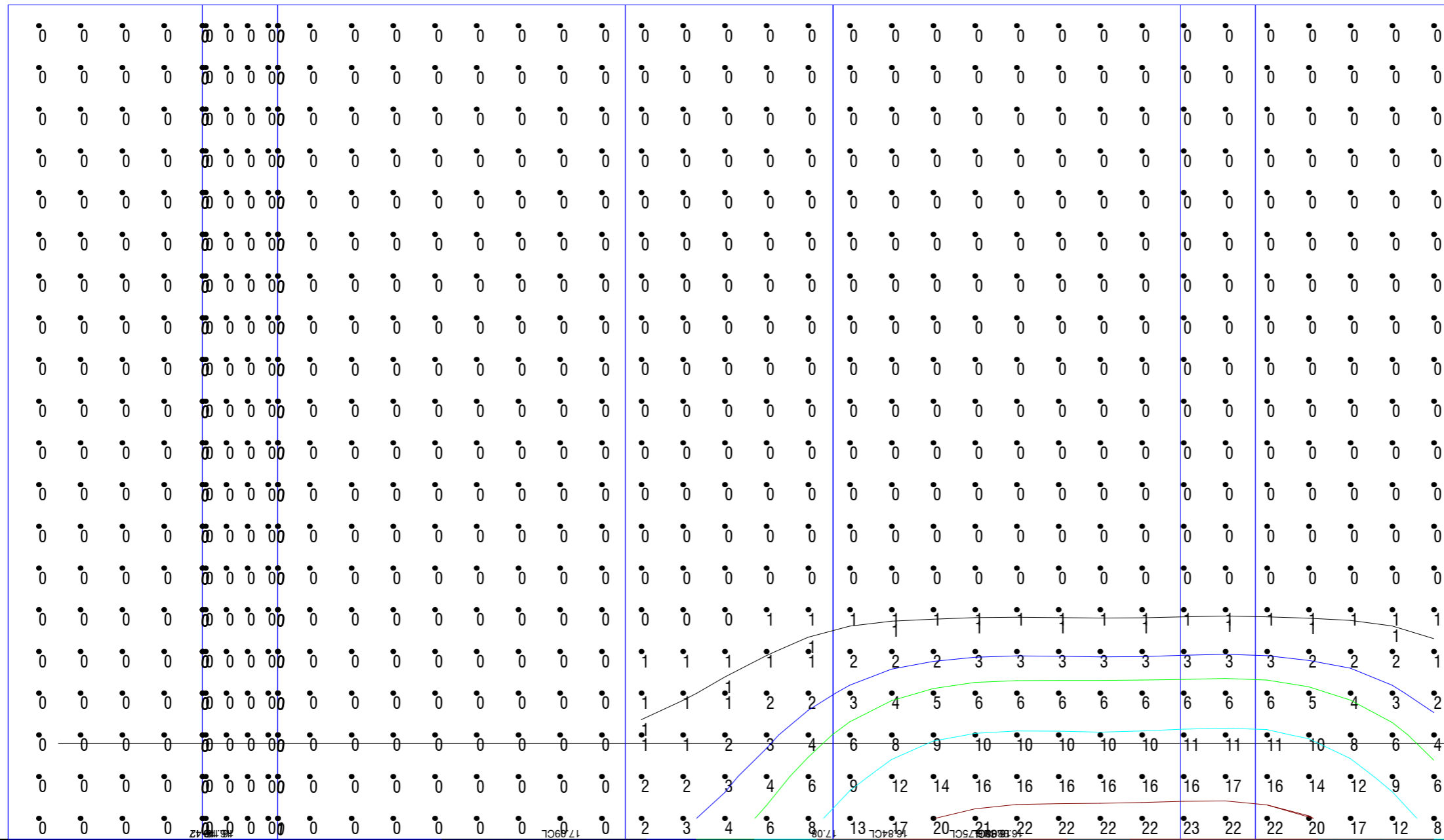


DESIGN SPILL HORIZONTAL



CLIENT
CASE CONSULTING

REFERENCE GW1074D
REVISION
SCALE NOT TO SCALE



4.8m Mark

110A DISMOUNTED CONCRETE OVER REINFORCED POLY

BUILDING 2



CLIENT CASE CONSULTING

REFERENCE GW1074D
REVISION
SCALE NOT TO SCALE

ROOM SUMMARY			
Mounting Height (m)	Ceiling Height (m)	Reflectance (C\W\F)	Tilt
15	N/A	N/A	AS SHOWN

RESULTS												
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	Max/Avg	PtSpcLr	PtSpcTb	Calc Height	
BUILDING 2 40M TALL_Side_10	Illuminance	Lux	0.00	0	0	N.A.	N.A.	N.A.	2	2	0 to 40	
BUILDING 2 40M TALL_Side_12	Illuminance	Lux	0.03	1	0	0.0	0.0	33.3	2	2	0 to 40	
BUILDING 2 40M TALL_Side_13	Illuminance	Lux	0.00	0	0	N.A.	N.A.	N.A.	2	2	0 to 40	
BUILDING 2 40M TALL_Side_7	Illuminance	Lux	2.03	23	0	0.0	0.0	11.3	2	2	0 to 40	
BUILDING 2 40M TALL_Side_9	Illuminance	Lux	0.00	0	0	N.A.	N.A.	N.A.	2	2	0 to 40	
FUTSAL	Illuminance	Lux	132.63	198	72	0.5	0.4	1.5	1	1	0	
SPILL	Illuminance	Lux	12.47	181	0	0.0	0.0	14.5	3	3	0	

LUMINAIRE SCHEDULE								
Qty	Label	Arrangement	Total Lamp Lumens	Lum. Watts	LLF	Description	Total Watts	Tag
8	FL6-W	Single	36500	270	0.90	NEXT 6 Asymmetrical Wide Beam 4000K CRI70	2160	P34101

NOTES

CLIENT

CASE CONSULTING

CONTACT

GREG WARNER
 0408 469 575
 GDWARNER@VERSALUX.COM.AU

Versalux Lighting Systems Pty Ltd

HEAD OFFICE
 28 Edgerton Road [PO Box 443] Mitcham, VIC, 3132
 PHONE (03) 8878 2000 | FAX (03) 8878 2099
 sales@versalux.com.au

This lighting design has been compiled in accordance with relevant Australian standards, and is based on parameters and Information provided by the client with regard to room finishes and reflectances, obstructions, environment and maintenance. Where the client has not been able to provide such information, the design has been based on parameters, which would be regarded as standard lighting practice for that particular type of application. No responsibility will be accepted for information provided by the client which is not accurate, or which has been changed from the time of the design to the time of commissioning, or for any period thereafter.

This lighting design remains the property of Versalux Lighting Systems Pty Ltd



REFERENCE GW1074D
 REVISION
 SCALE NOT TO SCALE



TYPE FL6W

NEXT 6

Optimised floodlight family
Multiple sizes, optics, and outputs (Ta50° versions available)
IP66 IK09 aluminium, galvanised steel, and glass construction

CODE: P34101