



**SHARK PARK SPORTS LIGHTING LED UPGRADE
INFRASTRUCTURE & COST PLAN REPORT
ENCLOSED OVAL EADE STREET BRUCE A.C.T.**

Report No: 1682-R1

For: Belconnen United Sharks R.L.F.C.

Prepared By: **AEC Engineers**

P.O. Box 503
Mawson A.C.T. 2607

Telephone: (02) 6101 4770
Email: aecengineers@tpg.com.au

Rev'n	Date	Details	Auth
A	08/01/24	Draft Issue	CJH
B	14/02/24	Client Review Issue	A.H.
C	5/03/24	Submission Issue	A.H.



Contents

Report No: 1682-R1 1

SECTION 1 INTRODUCTION & EXECUTIVE SUMMARY 3

1.01 METHODOLOGY 3

1.02 COST ESTIMATES 3

1.03 RESPONSE TO BRIEF - SUMMARY 4

1.04 SUMMARY OF PROPOSED UPGRADED LUMINAIRE TYPE / QUANTITY 4

1.05 SUMMARY OF SITES PROPOSED L.E.D. UPGRADED ILLUMINANCE 4

SECTION 2 SITE REPORT 5

2.01 SITE INVESTIGATION SUMMARY – SHARK PARK SPORTSGROUND 6

2.02 AAA-LUX LUMINAIRES REQUIRED SCOPE / COMMENTS 8

2.04 PROPOSED SPORTS LIGHTING DESIGN OPTION 9

SECTION 3 – PROPOSED WORKS ESTIMATES & RECOMMENDATIONS 12

..... 12

3.01 SHARK PARK BRUCE – AAA-LUX LUMINAIRES OPTION 12

3.02 HOLT No. 3 – COMMENTS & RECOMMENDATIONS 13

ATTACHMENT No.1 14



SECTION 1 INTRODUCTION & EXECUTIVE SUMMARY

This report provides the results of a comprehensive facilities survey and preliminary L.E.D. lighting designs for Shark Park enclosed sports ground commissioned by Belconnen United Sharks R.L.F.C. The assessment and designs were conducted in response to the brief proposing the following sports lighting upgrade for the site:

1. Upgrade existing metal halide luminaires and controls to current L.E.D. technology and provide new remote control system.
2. Upgrade lighting technical parameters to current Standards including illuminance levels and uniformity to Semi-professional competition / Professional match practice (200 lux minimum) level of play.
3. Provision of suitable equipment types and numbers proposed at the site for upgrades in accordance with Australian Standards.
4. A summary of proposed installation works and budget cost estimates for upgrade of the site.

1.01 METHODOLOGY

The briefed site has been inspected and the electrical physical infrastructure assessed and recorded in Section 2 of this report. Electrical supply capacity has been assessed on the basis of incoming mains cable size and capacity of protective devices and the authority metering.

Where existing field cabling and pylon infrastructure does not have the physical or electrical capacity to supply the proposed upgrade luminaires and control requirements new field cabling and pylons are proposed. New curved cross arms are proposed to suit mounting arrangements. Proposed installation scope and cost estimates are provided in Section 3.

In assessing the equipment and installation requirements of the installation, preliminary lighting calculations have been completed allowing selection of luminaire types and numbers, control equipment and cross arm mounting arrangements along with ensuring compliance with the current Standards is achievable. We have based equipment assessment on a leading manufacturer of L.E.D. sports lighting luminaires being AAA-Lux Lighting Australia who have successfully supplied equipment for recent projects in the A.C.T. Details are provided in Section 2.

1.02 COST ESTIMATES

Approximate budget estimates have been prepared for works proposed in the site report. Estimates for proposed upgrade requirements are included in Section 3 – Proposed Works Estimates & Recommendations. It should be noted that installation cost estimates are of a very general nature and intended to provide a budgeting guide only. They should be reviewed in the light of detailed design and installation documentation scope of work prior to commencement. Proposed equipment budget cost estimates are based on supplier's prices current at the date of this Report issue.



1.03 RESPONSE TO BRIEF - SUMMARY

Significant technical data necessary in responding to the four main briefed points has been gathered and recorded in the report. This data includes responses to the briefed points referenced in Section 2 with costs estimates in Section 3. Upgrade actions proposed system summaries are provided in this section with references to more detailed information in relevant Section. The briefed responses are:

1. Upgrade luminaires And controls - Refer to site report, Section 2 and 1.04 below.
2. Upgrade illuminance levels of play - Refer to individual site report, Section 2 and 1.05 below.
3. Provision of suitable equipment and quantities – Refer Section 2 for proposed equipment performance and Summary Tables below.
4. Summary of installation works and budget cost estimates – Refer Section 3 for proposed works and estimates tabled.

1.04 SUMMARY OF PROPOSED UPGRADED LUMINAIRE TYPE / QUANTITY

Design Manufacture	Luminaires	Quantity	Report Ref
AAA-Lux WS Series Gen. 7 Calc. Revision B	AAA-Lux WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC + Light Shields	28	2.02

1.05 SUMMARY OF SITES PROPOSED L.E.D. UPGRADED ILLUMINANCE

Design Manufacture	Required / Illuminance	Proposed Min. Maintained Av. Illuminance	Achieved Level of Play	Report Ref:
AAA-Lux WS Series Gen. 7 Calc. Revision B	50 to 200 lux	235 lux	Semi-professional Competition	2.04

Note: Training level and Amateur competition levels are achieved by dimming luminaires between 25% and 50% to provide 50 lux and 100 lux maintained averages.



SECTION 2 SITE REPORT

This section presents a reports for the individual site briefed within this project. The information includes the following data as required to achieve the project brief:

- Current electrical supply capacity of the sportsground installation and estimated load.
- Proposed upgraded load of the installation.
- Existing pylons and luminaire installation and capacity to install proposed L.E.D. luminaires.
- Scope of work required for an “upgrade” of sports lighting systems to Semi-professional competition level of play achieving Standard requirements and the inclusion of new remote control system included on AAA-Lux Dashboard for online control or by downloading the free mobile App available for android and Apple devices personnel access. We have addressed the scope items for the site in sufficient detail to provide a preliminary scope of work and estimates.
- The illumination levels (Lux) and performance details of proposed new L.E.D. lighting system calculated in accordance with current lighting Standards.

Site report is structured to present the above information as follows:

1. Site Investigation Summary Sheet presenting the required and briefed data.
2. Existing electrical and pylon capacities and proposed upgrade loading.
3. Proposed sports lighting details, performance and calculation summary.
4. Proposed upgrade scope / comments.

Note:

1. Electrical loads for existing installations have been calculated on the basis of AS3000 maximum demand diversities.
2. Potential floodlighting loads for upgrade estimates are based on the provision of Semi-professional competition level lighting.
3. Floodlighting illumination levels and performance details have been calculated using AGI32 lighting software in accordance with relevant Australian Standards.



2.01 SITE INVESTIGATION SUMMARY – SHARK PARK SPORTSGROUND

Site location:	Eade Street, Bruce , A.C.T. 2617 Block 4, Section 9
----------------	--

Field Lighting Electrical Supply

Evo Energy Source	HV Supply:	Sub-station No. S3419
	LV Supply:	Pillar No. N.A.
	Supply capacity:	270 A, 3 phase
Site Mains	Consumers main size/capacity:	35 mm / 145 A, 3 Ph.
	Main Switch size:	80 A, 3 Ph.
Main Switchboard	Capacity / Ways	125 A / 24 Ways
	Present diversified load	91 A

Existing Facilities Capacity & Loads:

Facility	Load Capacity	Present Load	Available Spare Capacity
Main Switchboard Power Supplies	80 A, 3 Ph.	25 A, 3 Ph.	55 A, 3 Ph.
Floodlighting	80 A, 3 Ph.	66 A, 3 Ph.	14 A, 3 Ph.
Total Loads	80 A, 3 Ph.	91 A, 3 Ph.	0 A, 3 Ph.

The existing Evo Energy supply capacity is currently limited to 80A, 3 phase by the service fuses and the main switch. Due to voltage drop from the Sub-station and the maximum the in line billing meter can operate the maximum capacity of the supply is limited to 125A.

Although the total maximum demand in accordance with AS/NZS 3000 exceeds the supply capacity the use of the loads obviously is within capacity as irrigation pump/s are not used with lighting.

Originally the floodlighting total load was 88A, 3 phase and due to an underground cable fault and likely the additional Main Switchboard loads of pumps, Raiders Shed and multiple outlets, Existing Pole 3 lights were modified so supplied separately from the Facility Building Main Switchboard.

Proposed Upgrade Electrical Requirements

Facility	Removed Load	New Load	Available Spare Capacity
Main Switchboard Power Supplies	0 A, 3 Ph.	0 A, 3 Ph.	55 A, 3 Ph.
Floodlighting	66 A, 3 Ph.	83 A, 3 Ph.	0 A, 3 Ph.
Total Loads	66 A, 3 Ph.	108 A, 3 Ph.	0 A, 3 Ph.

As with the existing loads and facility use the realistic maximum demand will be approximately 20A, 3phase less than indicated as irrigation pump is not used with lighting.

To utilise the existing supply capacity and accommodate the tabled loads the service fuses are proposed to be upgraded to 100A (they allow overloads of up to 125% for short periods) and the main switch upgraded to 125A. If required we will include control interlocks only allowing large loads as the irrigation pump to operate when lighting at $\leq 50\%$ (100 lux) or off. This is done regularly on sportsgrounds to avoid Evo Energy upgrade.

On completion of the proposed works the supply will be at capacity and any new significant loads or further upgrade of lighting would require a supply upgrade and new Main Switchboard for compliance and C.T. metering requirements.



Existing Pylon Capacity & Loading

Pylon	Details	Max. Top Weight	Max. Sail Area	Exist. Top Weight	Exist Sail Area
Type .1.	Four 20/22M tall tapered multi-faceted round with circular cross arms equal Taperline (now by Lysaght). Custom manufacture to suit.	To suit load	To suit load	169kg	2.60M ²

The existing maximum loading were custom designed as manufacture only provides specifications for pylons up to 12M tall. As the specifications for the pylons are not known the maximum loading can only match existing which are 6x 2000kW fittings equal to 25+ year old Philips ArenaVision with top mounted ballasts and ignitors. Based on the old specifications and estimated cross arm dimensions the tabled exiting top weight and sail areas are the maximum capacity of the pylons.

The pylons are in good order and suitable for continued use within the listed loading limitations. The proposed new lighting arrangement exceeds existing pylon weight capacity and requires taller pylons to achieve current compliance relating to player and spectator glare and beam intensity in the direction of surrounding roads.

Proposed new lighting designs exceed the capacity and height of existing pylons and would need replacing to suit as indicated in following design option.

Proposed Pylon Loading

Pylon	Details	Proposed Max. Equipment Details	New Top Weight	New Sail Area
Type .1.	Four new 27M tall tapered octagonal round with cross arms. Foundations and pylons equal Ingal Park Tapered Octagonal FPL25F. Max. Weight = 300kg Max. Sail = 3.06M ²	Option 1 - 7x AAA-Lux Gen. 7 L.E.D. fittings with new 4500mm curved cross arm	236kg	2.06M ²

Proposed Floodlighting Illumination Performance (Maintained)

Luminaire	Area	Uniformity Min./Av.	Uniformity Min./Max.	Average level Lux	Achieved Level of play
AAA-Lux WS Series Gen 7	Rugby League Field & warm up / training area	0.73	0.61	235	Semi-pro. Competition

Refer Proposed Sports Lighting Designs below for system details.

Note: Required illumination levels to AS 2560.2.3 (Football all codes)

Training	Amateur comp.	Semi-pro (snr)	Pro. Comp	Broadcast
50 lux	100 lux	200 lux	500 lux	750 to 1000 lux min.

**2.02 AAA-LUX LUMINAIRES REQUIRED SCOPE / COMMENTS**

- Remove existing 24x 2kW metal halide fittings, cross arms and existing 4 pylons 22M tall including cabling and gear trays. Dispose (recycle) of Pylons equipment.
- Remove top 300mm of the existing foundation concrete, cut bolts and backfill with top soil and re-seed. Remove top 50mm of existing fourth pylon concrete, cut bolts and repair concrete path area.
- Supply and install 4 new 27M tall pylons to new positions as shown on preliminary Site Plan (refer Attachment .1.) including pile foundation cages 4200mm deep, bolts placed in 32Mpa concrete and 4500mm long curved cross arms to pylons. Foundations designed and certified by structural engineer based on new Geotech Report.
- Supply and install twenty eight (28) new fittings based on design option equal to AAA-Lux WS Series Generation 7, 1550W L.E.D. luminaires to new cross arms including new cabling and "Cock Proof Flex" saddled to cross arms.
- Supply and install new phase links and two pole, 415V R.C.D. circuit breakers to suit fitting numbers on earthed gear tray mounted in pylon bases.
- Remove or abandon existing field cabling making safe at existing M.S.B. labelled in insulated connector.
- Engage underground service locator and trench new circuit cabling to new pylon positions using hydrovac via where passing over / under existing irrigation pipework and communications conduits. Backfill using top soil, compact and re-seed on completion.
- Aim all fittings to aiming drawings provided by the engineer and provide night commissioning and certification of compliance based on verification measurements taken and calculated in accordance with the Standards.
- Supply and install new Control Panel mounted on rear on existing M.S.B. complete with AAA-Lux Control box, input sensors, mobile router, multi-function mobile and WiFi antenna, interface relays including power supply and new system programming on AAA-Lux Dashboard. Provide user training and assistance providing login details and links to setup individual pin numbers.
- Upgrade existing switchboard service fuses, Main Switch and remove redundant pylon circuit breakers replacing with new field circuit breakers and contactors.
- Modify existing controls to provide new four position operational selector switch, four position lighting level selector and interface relays and control cabling to new Control Panel.
- Commission and test all control functions with engineer and provide 12 months warranty from handover.

Note: Dimming function for 50 lux, 100 lux, 200 lux and 20 lux ball finder operation of field lighting is achieved via RF signals from control panel to luminaires eliminating requirement for additional data cabling.

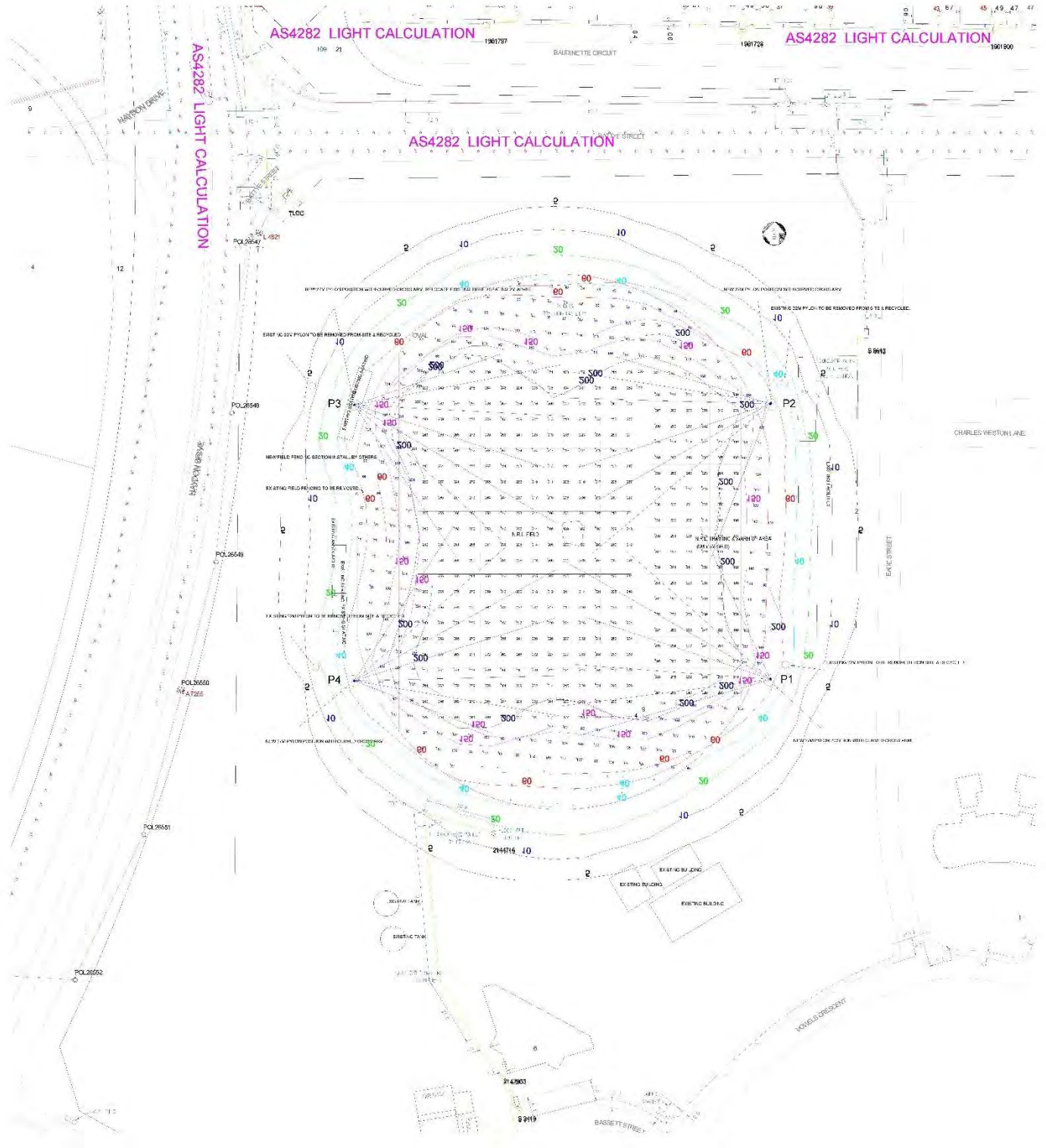


2.04 PROPOSED SPORTS LIGHTING DESIGN OPTION

SITE DATA SHEET

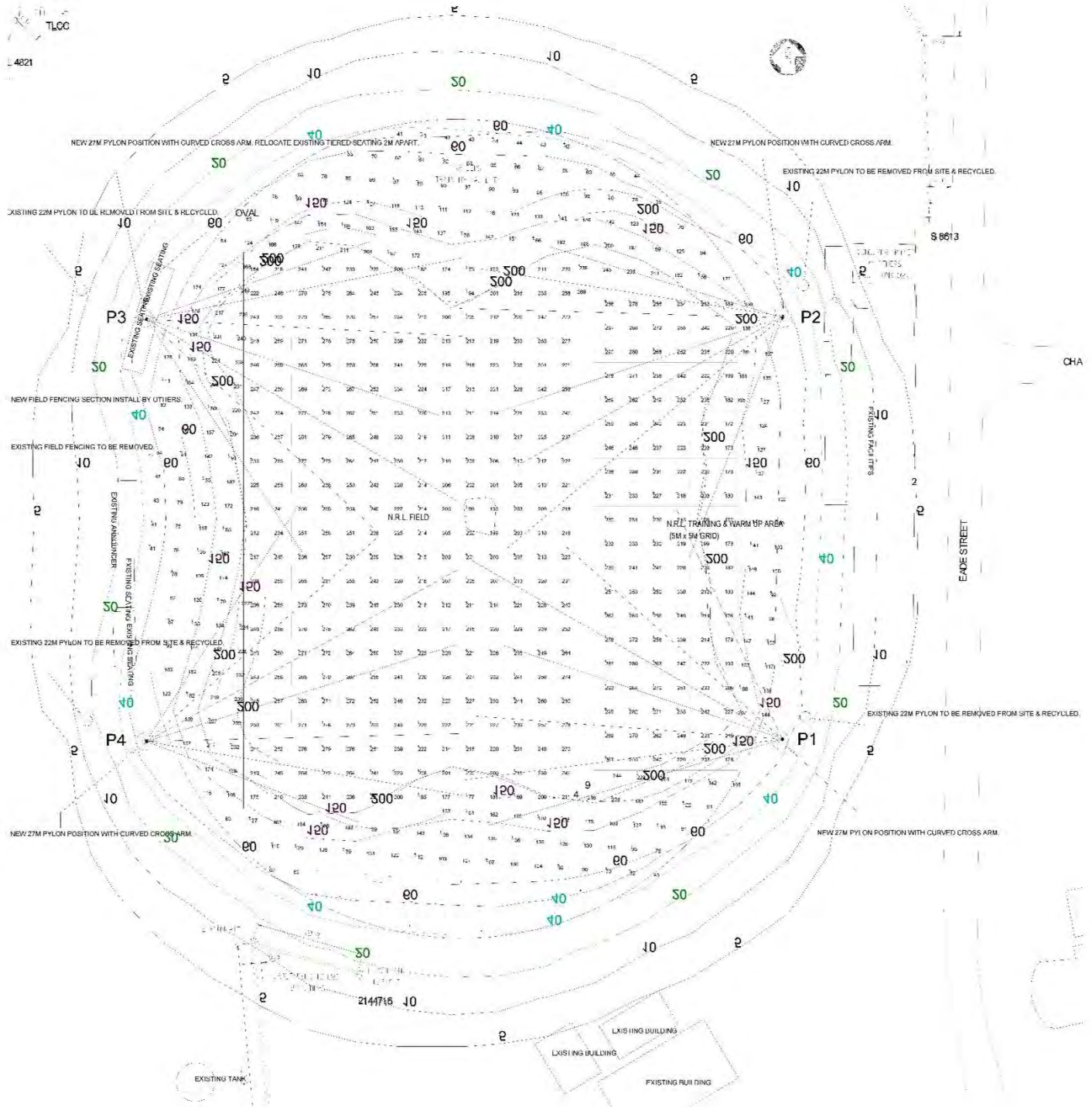
PROJECT LOCATION: Shark Park, Bruce. **FIELD / AREA:** Rugby League / Training.

AAA-LUX WS SERIES OPTION SITE CALCULATION PLAN





AAA-LUX WS SERIES OPTION FIELD CALCULATION PLAN





AAA-LUX OPTION NEW LUMINAIRE SCHEDULE

Qty	Label	Description	Tag	LLF	Watts	Mounting Height
28	WS2707 LS	AAA-LUX WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC	CAT. NO. WS2707 LSGEN7	0.85	1550	27

DESIGN OF LIGHTING TO ACHIEVE 200 LUX SEMI-PROFESSIONAL LEVEL

The following uniformity ratios and glare requirements apply:

- U1 Min/Ave - 0.60
- U2 Min/Max - 0.40
- Maximum Glare Rating - 50
- UG - MAX - 1.67

AAA-LUX OPTION CALCULATION RESULTS

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	U.G
Rugby Field	Illuminance	Lux	235.85	285	173	0.73	0.61	1.27
Training & Warm Up Area	Illuminance	Lux	236.40	297	172	0.73	0.58	1.23
CalcPtsGR	Glare Rating	N.A.	38.90	48	10	N.A.	N.A.	N.A.

The proposed new lighting design provides Semi-professional competition level of play in accordance with AS/NZS 2560.2.3 as briefed. Uniformity ratios achieve Professional level of play Standard. Refer Section 3.01 for associated preliminary cost estimates. Refer Attachment 1 for Site Plan and full calculation details.



SECTION 3 – PROPOSED WORKS ESTIMATES & RECOMMENDATIONS

This section of the report tabulates those works required to upgrade existing facilities sports lighting to minimum 200 lux Semi-professional competition level of play. It provides approximate preliminary cost estimates for required works.

3.01 SHARK PARK BRUCE – AAA-LUX LUMINAIRES OPTION

Item	Potential Upgrade Description	Estimated Cost	Comments
1	Remove existing 24 metal halide fittings from cross arms from existing 4 pylons 22M tall including cabling and gear trays and dispose / recycle equipment unless required by Client.	Sch 2.2(a)(xi)	Includes access.
2	Remove existing 4 pylons & cross arms dispose / recycle equipment unless required by Client. Remove top 300mm of existing foundation concrete, cut bolts and backfill with top soil and re-seed.		Includes transportation & crane removal.
3	Supply and install 4 new 27M tall pylons & curved cross arms 4500mm long equal Ingal EPS FPL27F to suit 7 AAA-Lux WS series 1550W fittings including foundation cage design.		Delivered to site & unloaded by contractor.
4	Supply and install 4 new concrete foundations including reinforcement and pylon bolts in accordance with a geotechnical report in proposed new positions.		Delivered to site & installed by contractor.
5	Supply and install twenty eight (28) new AAA-Lux WS Series 1550W fittings Generation 7, to new cross arms including new cabling and "Cock Proof Flex" saddled to cross arms.		Includes access & materials.
6	Supply and install new phase links and two pole, 415V R.C.D. circuit breakers to suit fitting number on earthed gear tray mounted in pylon bases.		Terminated.
7	Aim all fittings to aiming drawings provided by the engineer and provide night commissioning at certification of compliance.		Certified.
8	Supply and install two new external Control Panel complete with AAA-Lux Control box, input sensors, mobile router, interface relays and Challenger 10 Security Panel including power supply and new system programming on AAA-Lux Dashboard for approved personnel.		Includes Client Handover.
9	Modify existing switchboard controls to provide new four position operational selector switch, lighting level selectors and interface cabling to new Control Panel.		Commissioned.
10	WAE Drawings & warranty.		
11	Engineering design & documentation including construction phase tasks.		Includes inspections, defects & night verification test.
Site Sub-total including GST =			
Contingency 10% =			
Site Total including GST =			Budget Estimate.

Contingency can be reduced based on installation documentation.
 Minor associated works have been included in estimate tasks.
 Estimates are preliminary for budget purposes.



3.02 SHARK PARK LIGHTING UPGRADE – COMMENTS & RECOMMENDATIONS

The sports lighting solution using AAA-Lux L.E.D. luminaires is suitable for upgrading the Rugby League and Training / Warm Up Field to Semi-professional competition level of play.

Estimates provided have applied costs for removal of existing pylons and luminaires along with installation of new pylons, foundations and luminaires per fitting. Costs have been applied for Control and mobile network equipment and programming.

The AAA-Lux control equipment eliminates the additional trenching works using RF wireless communications for controlled dimming functions.

Pylon heights and the AAA-Lux fittings photometric option used provide coverage of the enclosed field without exceeding the L1 Non-curfew maximum luminous intensities of AS/NZS 4282, which allow compliance with AS 2560.2 using seven fitting / pylon.

The sports lighting results are achieved with AAA-Lux Option providing uniformity ratios complying with football Professional competition level of play.

As stated the AAA-Lux Option fitting numbers, cabling and associated works are based on feasibility level calculations with detailed calculations to be done in final design which may reduce requirements and cost estimate Sub-total.

We have proposed the AAA-Lux luminaires based on value for money, lighting performance and proven capability with remote control systems P.C. Dashboard and mobile application.



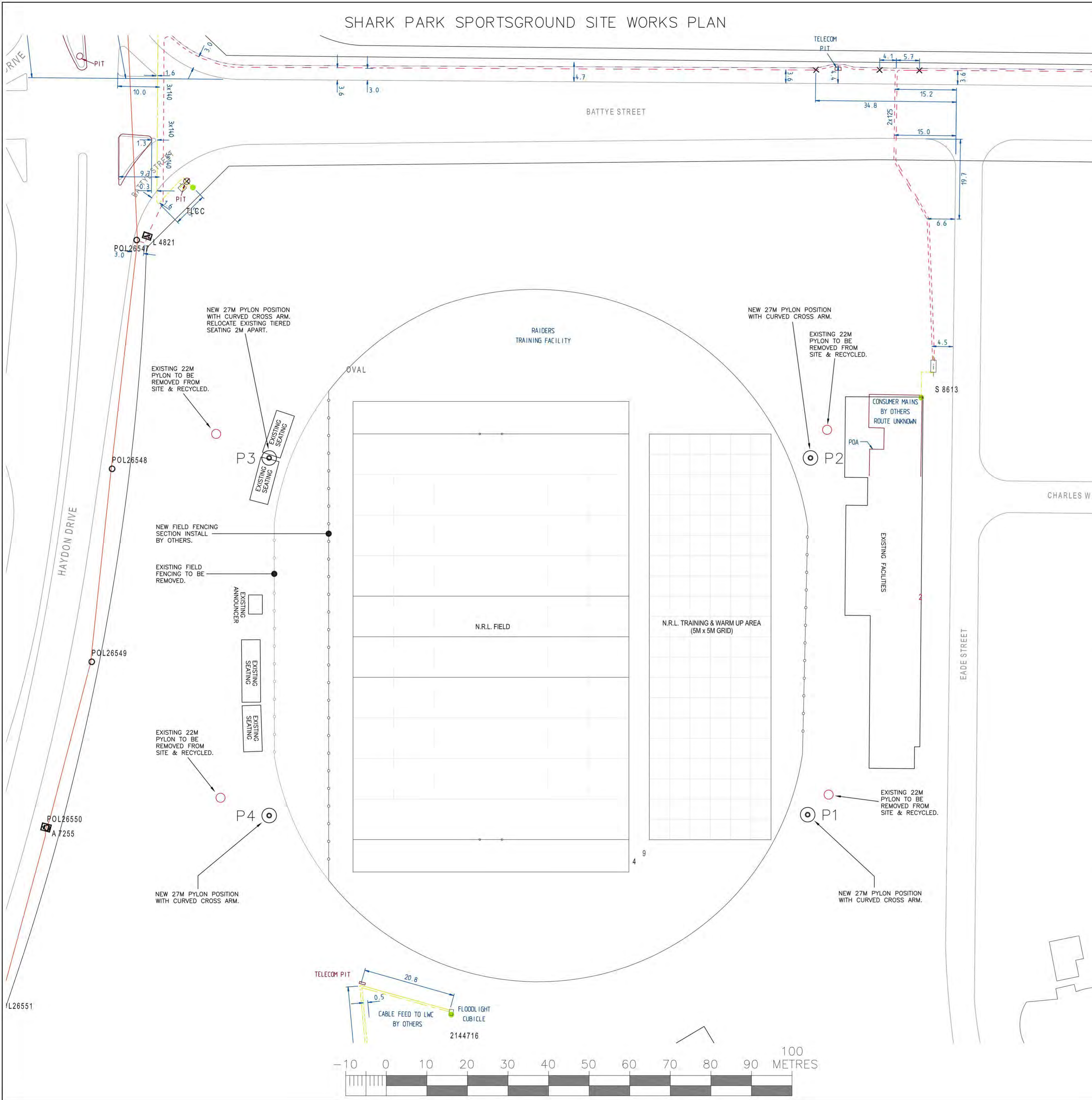
ATTACHMENT No.1

FUNCTIONAL STATEMENT:

This attachment contains the following documents in support of the proposed lighting upgrade works:

- Drawing 1682-E1 Electrical Services Shark Park Site Plan
- AAA-Lux Lighting Calculations

SHARK PARK SPORTSGROUND SITE WORKS PLAN



NOTES:

- UNLOAD DELIVERY TO SITE & ERECT 4 X 27 METER FLOODLIGHT PYLONS & CROSS ARMS SUPPLIED BY OTHERS TO POSITIONS SHOWN, SUPPLY & INSTALL NEW FOUNDATIONS IN ACCORDANCE WITH STRUCTURAL DESIGN PROVIDED BY PROJECT MANAGER. WHERE NOT AVAILABLE IN ACCORDANCE WITH THE PILE FOOTING PYLON RATINGS PROVIDED ON THE DRAWINGS. PYLONS TO BE UNLOADED TO SUITABLE LOCATIONS ON-SITE & SECTION SLIP ACHIEVED TO MANUFACTURES SPECIFICATIONS ON GROUND PRIOR TO ERECTION. ON COMPLETION SPOT WELD EACH BASE PLATE NUT (12 PER PYLON) TO ANCHOR BOLTS.
- INSTALL ANCHOR BOLTS & FOUNDATION CAGES PROVIDED USING BASE PLATE TEMPLATE & LEVEL AS SHOWN.
- STRUCTURAL SIGN OFF BY OTHERS DURING CARBON REDUCED CONCRETE PLACEMENT NOTIFY PROJECT MANAGER 7 DAY PRIOR TO ARRANGE INSPECTION.
- TRENCH OVALS AS SHOWN AND INSTALL UNDERGROUND CONDUITS, PITS & CABLING TO PYLONS FROM THE NEW M.S.B. / LIGHTING DISTRIBUTION / CONTROL PANEL. BACKFILL AND COMPACT MAKING GOOD GROUND SURFACE ON COMPLETION.
- SUPPLY & INSTALL TWENTY EIGHT NEW 1550 WATT L.E.D. FITTINGS TO CROSS BAR ASSEMBLIES AND FIT CROSS BARS TO PYLONS IN ACCORDANCE WITH EQUIPMENT DETAILS ON THE DRAWINGS. FITTINGS EQUAL AAA-LUX WS2707 INCLUDING SHIELDS BY AREALUX. OBTAIN SHIELD INSTALLATION INSTRUCTIONS & AIMING APPARATUS FROM ENGINEER & RETURN ON COMPLETION.
- INSTALL PHASE LINKS, ISOLATOR & LUMINARIES PROTECTION EQUIPMENT TO PYLONS AND MAKE ALL TERMINATIONS. ENSURE ALL EQUIPMENT IS ADEQUATELY FUSED/PROTECTED AT PYLONS IN ACCORDANCE WITH MANUFACTURERS' RATINGS.
- SUPPLY AND INSTALL NEW CONTROL PANEL & LIGHTING CONTROLS. MOUNT LIGHTING CONTROL, ANTEXNA BOX & INPUT SENSOR BOX SUPPLIED WITH LUMINARIES TO CONTROL PANEL & INTERFACE CABLING AS SHOWN ON DRAWINGS.
- SUPPLY AND INSTALL 63mmØ CONDUIT FOR NEW SUB-MAINS FROM NEW M.S.B. INSTALL 4 CORE 35mm² & 25mm² Cu X.L.P.E. SUB-MAINS CIRCUIT BREAKERS & INTERNAL CONDUIT MOUNTING AS NOTED.
- POSITION FLOODLIGHTS TO NOMINATED AIMING POINTS AND COMMISSION COMPLETE SYSTEM IN ACCORDANCE WITH ENGINEERS' INSTRUCTIONS. A REPRESENTATIVE FROM THE LUMINAIRE SUPPLIER CAN ASSIST WITH AIMING TECHNIQUES.
- PROVIDE SHOP DRAWINGS DETAILING THE PROPOSED SWITCHBOARD & LIGHTING CONTROL PANELS PHYSICAL AND ELECTRICAL LAYOUT PRIOR TO MANUFACTURE.

REMOTE ACCESS & CONTROL NOTES:

- CONTRACTOR TO INSTALL NEW CONTROL PANEL TO REAR OF M.S.B. CONTROL SECTION WITH I/O MODULES LINKED TO NEW FLOODLIGHT REMOTE CONTROL INTERFACE RELAYS VIA CONTROL / STATUS CABLING IN LIGHTING PANEL. INSTALL NEW MOBILE ROUTER CONNECTED TO MOBILE LEAD ON NEW ANTENNA MOUNTED ON TOP OF M.S.B. INSTALL DATA CABLE FROM ROUTER TO SECURITY PANEL.
- INSTALL 240V INTERFACE RELAYS WITH 10A 240V RATED CONTACTS, 2 CHANNEL TIME CLOCK (CHANNEL 2 SPARE), OFF/MANUAL/AUTO/REMOTE & 50 LUX/100 LUX / 200 LUX ROTARY OPERATIONAL SWITCHES.
- THE FOLLOWING SPECIFIC EQUIPMENT TO BE SUPPLIED DIRECTLY BY CONTRACTOR:
 - INDUSTRIAL MOBILE ROUTER COMSET CM685V-4 INDUSTRIAL GRADE 3G 4G 4GX COMPLETE WITH PLUG IN POWER SUPPLY.
 - "PUCK" TYPE ANTENNA TAOGLAS COLOSSEUM HEAVY DUTY LOW PROFILE 5 IN 1 (2XMOBILE, 2XWIFI & 1XGPS) NO. MA850.A.LBICG.001.
- CONTRACTOR TO SUPPLY & INSTALL NEW CONTROL / STATUS CABLING FROM CHALLENGER 10 PLUS CONTROL PANEL TO INTERFACE RELAY TERMINALS. CONTRACTOR TO UNDERTAKE INSTALLATION OF AAA-LUX EQUIPMENT & SUPPLY & INSTALLATION OF ALL OTHER EQUIPMENT & CABLING. CONNECT AAA-LUX LIGHTING ANTENNA BOX TO WIFI CONNECTION ON NEW ANTENNA PROVIDE CABLE EXTENSION AS REQUIRED & INSTALL DATA CABLE FROM PORT TO LIGHTING CONTROL BOX.
- UNDERTAKE REQUIRED PROGRAMING & ARRANGE ALL SYSTEMS INCLUSION ON WEB MANAGEMENT SYSTEM.
- PROVIDE USER TRAINING & ASSISTANCE FOR USERS TO ACCESS VIA AAA-LUX MOBILE APPLICATION.

GENERAL ELECTRICAL SPECIFICATION NOTES:

- AEC ENGINEERS WILL INSPECT THE INSTALLATION WORKS UNDERTAKE COMMISSIONING TESTS & VERIFICATION MEASUREMENTS AND CERTIFICATION ON COMPLETION.
- PROVIDE 12 MONTHS WARRANTY ON INSTALLATION WORKS AND MATERIALS FROM THE DATE OF PRACTICAL COMPLETION CERTIFIED BY THE ENGINEER.
- GAIN ENGINEERS' APPROVAL TO ALTER ANY PART OF THE APPROVED DOCUMENTED WORKS OR REJECTION & RECTIFICATION WORK WILL BE DONE AT COST TO THE CONTRACTOR.
- ON COMPLETION OF SWITCHBOARD INSTALLATION WORKS SUBMIT REQUIRED APPROVAL AND ENERGISE THE INSTALLATION.
- MAKE ALL NECESSARY ARRANGEMENTS FOR SHUTDOWNS ETC. WITH EVO ENERGY AND PAY ANY ASSOCIATED FEES & CHARGES.
- USE BARRIERS AND SIGNAGE TO PROTECT THE PUBLIC FROM INJURY ATTRIBUTED TO THE EXCAVATION OR INCOMPLETE WORKS.
- ALL WORK TO COMPLY WITH:
 - > BUILDING CODE OF AUSTRALIA
 - > AS 3000 (WIRING RULES)
 - > AS 3008 (CABLE SELECTION & DE-RATING)
 - > AS 2560 SERIES (SPORTS LIGHTING STANDARDS)
 - > AS 4282 (OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING)

No.	Date	Description	Init.
B	14/02/24	Report Issue	A.H.
A	08/01/24	INITIAL SETUP	A.H.

Client
BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB

AEC consulting group
P.O. Box 503 Mawson ACT 2607
Telephone: (02) 6101 4770
email: aecengineers@tpg.com.au
CONSULTING ENGINEERS

Project
SHARK PARK SPORTSGROUND UPGRADE WORKS
EAED STREET, BRUCE
BLOCK 4, SECTION 9
BRUCE, ACT

Title
SHARK PARK OVAL ELECTRICAL SERVICES SITE PLAN & DETAILS

Scale: 1:500	Date: 08/01/2024
Drawn: A.Hill	Checked: JMcK Approved: ---
CAD File: A1	Sheet 1 of 4
Job No.: 1682	Drawing Number: 1682-E1
	Amtd: B

NOTE: PRELIMINARY DESIGN ONLY

This design is subject to site verification of boundaries, pole positions and heights.

Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA

TECHNICAL INFORMATION

- * LM79 Intensity distribution source acc. To DEKRA measurement report 2174481-PHO 14-204
- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

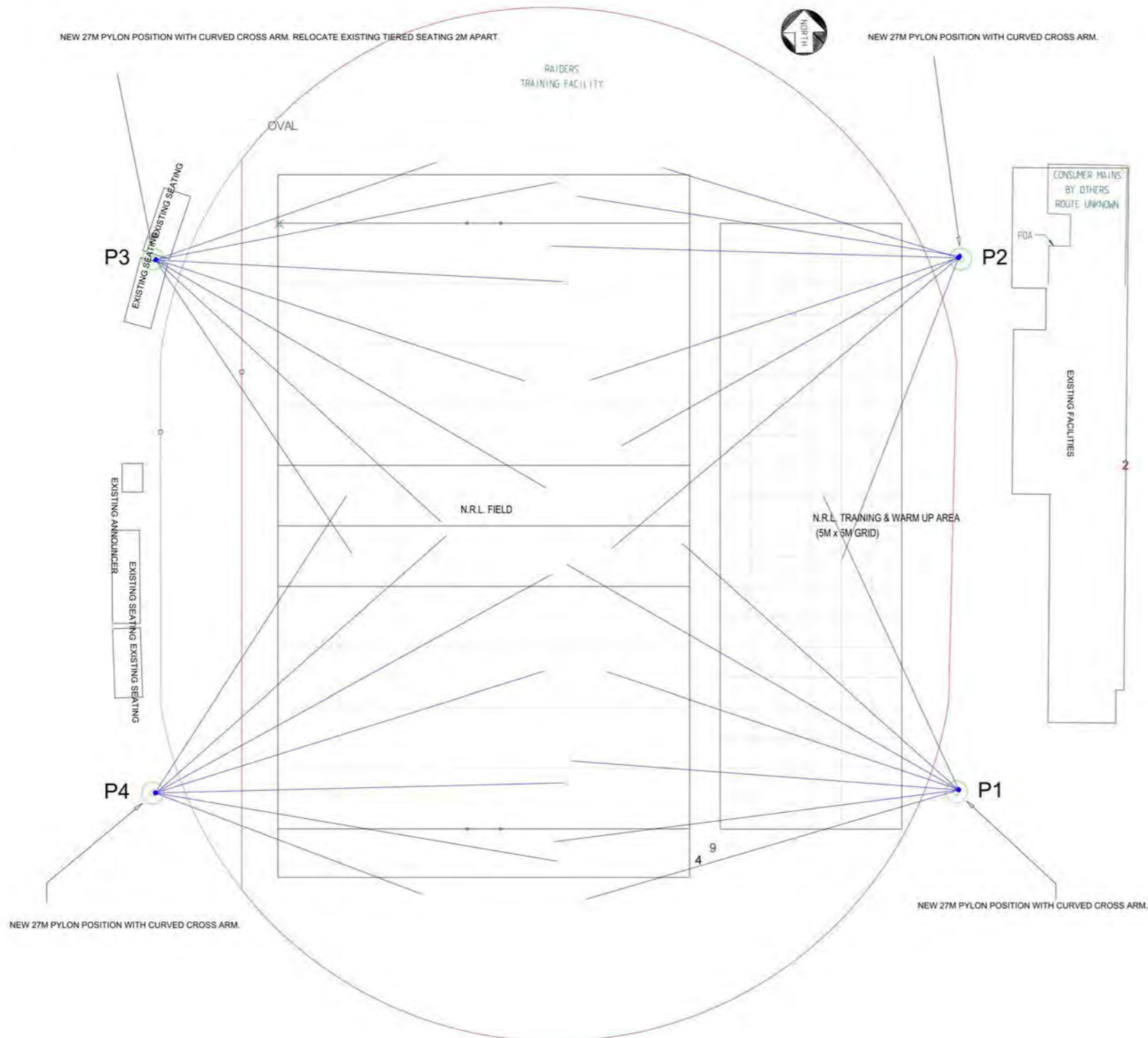
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2.1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

PROPOSED SPORTS AAA-LUX LED LIGHTING

4 X NEW POLES.LOCATIONS INDICATIVE FOR PRELIM. DESIGN PURPOSES ONLY.

LUMINAIRE MOUNTING HEIGHTS @ 27MTRS AGL.

CROSS ARM ARRANGEMENT TO SUIT 7 X AAA-LUX LUMINAIRES PER POLE.

DIMENSIONS OF FIELDS AND POLE LOCATIONS ARE AS PER .DWG DRAWING PROVIDED.

Luminaire Schedule

Symbol	Qty	Label	Description	LLF	Luminaire Watts	Total Watts	Mounting Height
⊙	28	WS2707 LS	AAA-LUX WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC	0.850	1550	43400	27.2

NOT FOR CONSTRUCTION



ADDRESSEE:
**PO Box 304
 Paddington
 QLD 4064
 p:1300 AAALUX
 (1300 222 589)**

PROJECT:
 20211008_Belconnen Sharks
 RLFC_Canberra Raiders Training
 Ground , Bruce ACT 2617

Drawing Title:
**PROPOSED NEW
 LIGHTING
 TRAINING GROUNDS
 200LUX**

ISSUES ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWINGS.
 AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR COPIES OF DRAWINGS ISSUED ELECTRONICALLY. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.
 This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any reproduction or use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
 This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of and use by the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by this party on the content of this document.
 Lighting Calculations are subject to the accuracy & existence accordance with AS/NZS 3827 (1/1998 & AS/NZS 3827.2:1998).
 This drawing is provided as part of a contractual agreement with the client named within. The photometric results as shown have been generated by the software AGES2 V10 and are subject to acceptance & tolerances including variation in the dimensions & obstructions, surface finishes, luminaire position, aiming, ambient temperature, atmospheric conditions, ambient lamp output, lighting design performance, electrical supply & instrument calibration.
 Disclaimer - This design is done for getting and informational purposes only. Please check all dimensions and units before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information to the extent or performance of any design whatsoever.
 © AAA-LUX LIGHTING AUSTRALIA

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008
 DATE: **01.11.2021**
 SHEET: **A3** SCALE: AS SHOWN
 LIGHTING ENGINEER
 SK M.I.E.S

SHEET
1

NOTE: PRELIMINARY DESIGN ONLY

This design is subject to site verification of boundaries, pole positions and heights.

Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA

TECHNICAL INFORMATION

- * LM79 Intensity distribution source acc. To DEKRA measurement report 2174481-PHO 14-204
- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

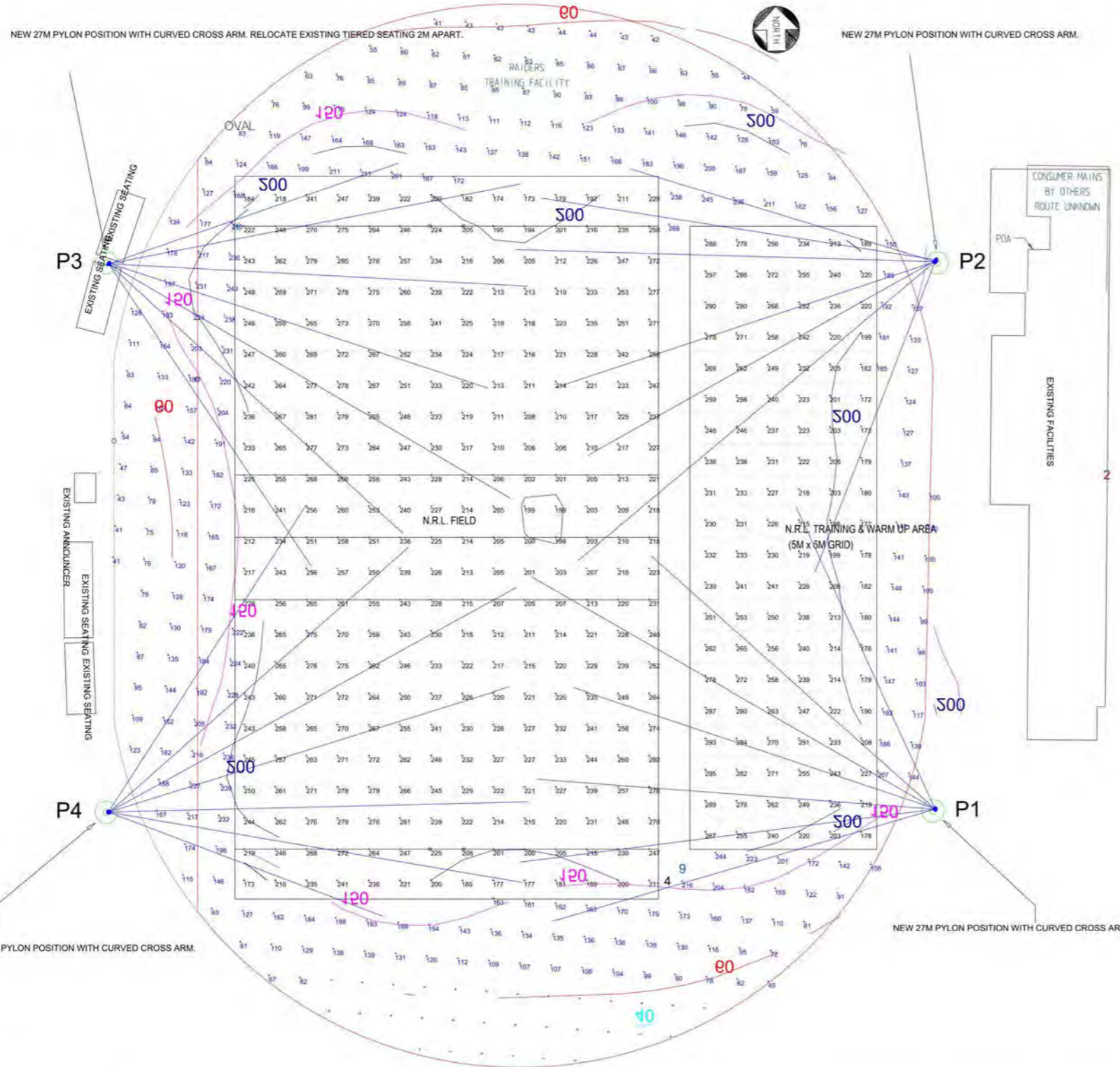
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2:1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

SPORTS LIGHTING ENGINEERING NOTES -

THIS SPORTS LIGHTING ASSESSMENT IS BASED ON THE LIGHT TECHNICAL PARAMETERS AND GUIDELINES FROM AUSTRALIAN STANDARD AS2560.2:2021, "SPORTS LIGHTING PART 2 SPECIFIC APPLICATIONS".

PRELIMINARY DESIGN UNDERTAKEN TO SUIT SECTION 2.6, FOOTBALL (ALL CODES) - SEMI PROFESSIONAL LEVEL - SEMI PROFESSIONAL COMPETITION - LIGHTING SPECIFICATIONS:

- DESIGN OF LIGHTING TO ACHIEVE 200 LUX
- U1 Min/Ave - 0.60
- U2 Min/Max - 0.40
- Maximum Glare Rating - 50
- UG - MAX - 1.67

DESIGN MEETS AND EXCEED THE REQUIREMENTS AS PER THE STANDARD - REFER TABLE BELOW.

SYSTEM CAN BE PROGRAMMED TO SUIT LOWER LEVELS OF PLAY.

THE DESIGN CALCULATIONS USE A CONSERVATIVE MAINTENANCE FACTOR OF 0.85 BASED ON THE BELOW QUANTIFICATION.

- LDD = 0.87 BASED ON IP6*, MEDIUM POLLUTION , 36MTH CLEANING CYCLE AS PER AS2560.1-2002 TABLE 4.1)
- LLD = 0.96 (TM-21 CALCULATION PERFORMED WITH THE LM80 MEASURED DATA TO EXTRAPOLATE THE LP. TM21 TEST REPORT STANDARD OPERATION 85 DEGREES AT 20,000HRS OF USE)

ALL ILLUMINANCE VALUES SHOULD BE MULTIPLIED BY THE MAINTENANCE FACTORS FOR MAINTAINED VALUES.

CALCULATIONS ARE SUBJECT TO ACCURACIES AND TOLERANCES NOMINATED IN AUSTRALIAN AND NEW ZEALAND STANDARDS AS/NZS 3827.1:1998 AND AS/NZS 3827.2:1998. THE DESIGN RESULTS ARE BASED ON PHOTOMETRIC DATA AND .IES FILES PROVIDED BY THE MANUFACTURER. SOFTWARE USED IN THE DESIGN IS AGI32 V21.2

DISCLAIMER
THIS CALCULATION AS AN ESTIMATE OF EXPECTED LIGHTING LEVELS. FOR ACCURACY - PRIOR TO INSTALLATION, ALL CALCULATIONS SHOULD BE CONFIRMED WITH ACCURATE SITE MEASUREMENTS, A SURVEYED CAD DRAWING WITH RELEVANT FIELD MARKINGS AND SURROUNDING RESIDENTIAL BOUNDARIES. THE DESIGN PROVIDED IS FOR INFORMATION ONLY TO ASSIST THE CLIENT IN OBTAINING NEW LIGHTING TO THE SITE AS INDICATED.

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	UG	
Eh Rugby Field	Illuminance	Lux	235.85	285	173	0.73	0.61	1.27	
Eh Training and Warm Up	Illuminance	Lux	236.40	297	172	0.73	0.58	1.23	
GLARE - Maximum on Either Field	Glare Rating	N.A.	N.A.	48	10	N.A.	N.A.	N.A.	

NOT FOR CONSTRUCTION



ADDRESSEE:
PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground , Bruce ACT 2617

Drawing Title:
**LUX PLOT
CALCULATIONS.**
**TRAINING GROUNDS
200LUX**

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS - USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWINGS.
AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR COPIES OF DRAWINGS FORWARDED ELECTRONICALLY.
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.
This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of and use by the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by this party on the content of this document.
Lighting Calculations are subject to the accuracy & existence accordance with AS/NZS 3827 (1:1998 & 2:1998).
This drawing is provided as part of a contractual agreement with the client named herein. The photometric results shown have been generated by the software AGI32 V21 and are subject to accuracy & tolerances including variance in the dimensions & obstruction surface. Spectral, luminaire position, aiming, ambient temperature, atmospheric conditions, ambient lamp output, lighting design software, electrical supply & instrument calibration.
Disclaimer - This design is done for getting and information purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information to the extent or performance of any design whatsoever.
© AAA-LUX LIGHTING. All Rights Reserved.

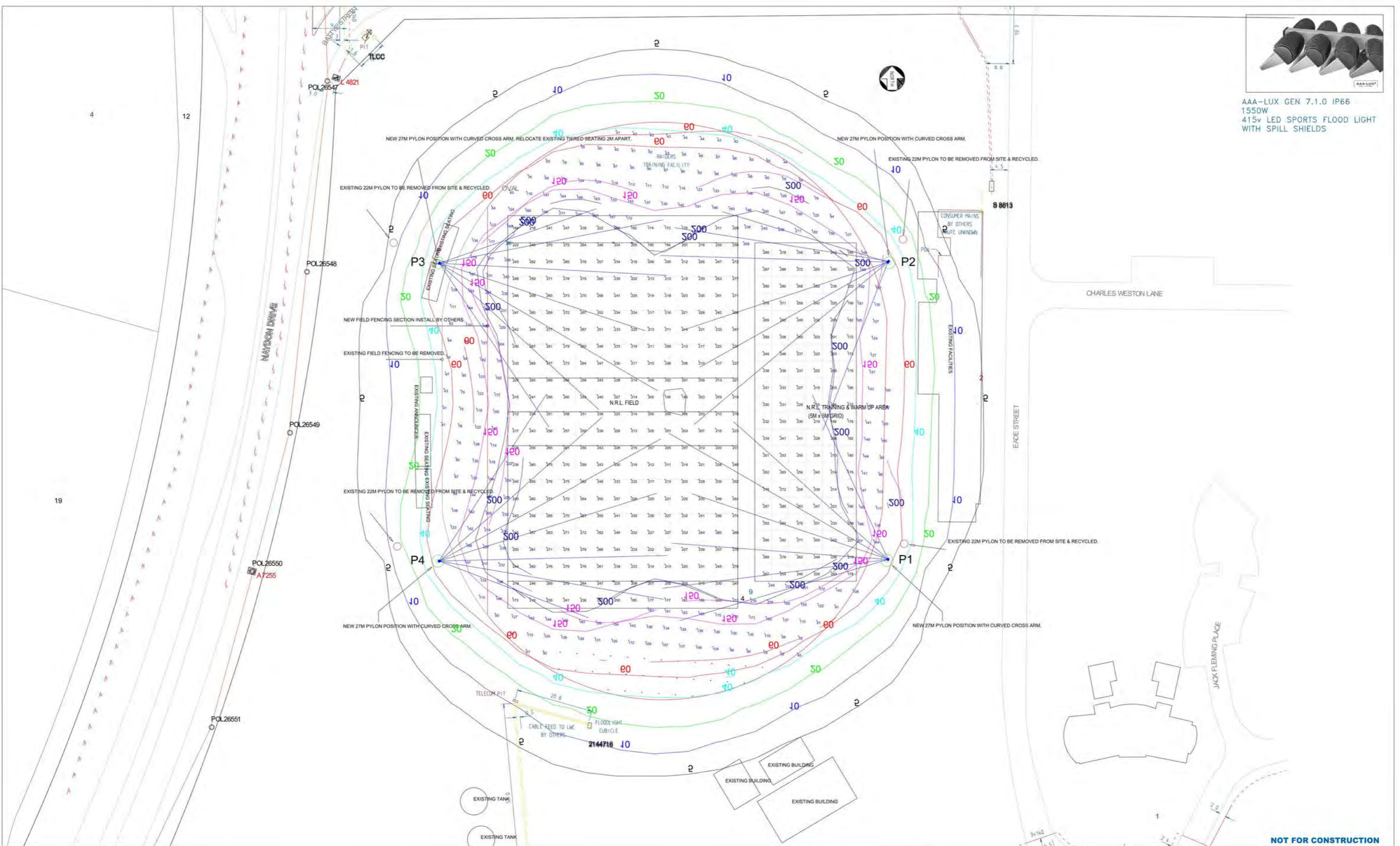
Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008
DATE:
01.11.2021
SHEET:
A3 SCALE:
AS SHOWN
LIGHTING ENGINEER
SK M.I.E.S

SHEET
2



AAA-LUX GEN 7.1.0 IP66
1550W
415v LED SPORTS FLOOD LIGHT
WITH SPILL SHIELDS



NOT FOR CONSTRUCTION



ADDRESSEE:
**PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)**

PROJECT:
**20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground , Bruce ACT 2617**

Drawing Title:
ISOLUX PLOT

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS.
USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWINGS.
AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT
FOR COPIES OF DRAWINGS ISSUED ELECTRONICALLY.
THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR
CONSTRUCTION' AND APPROVED FOR ISSUE.
This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any
unauthorized use may result in proceedings being brought against the user by AAA-LUX LIGHTING
AUSTRALIA.
This document is produced by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of use by
the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or
liability whatsoever to any third party arising out of any use or reliance by that party on the content
of this document.
Lighting Calculations are subject to the accuracy & tolerance accordance with AS/NZS 2827
11:2008 & AS/NZS 3527.2:1998.
This drawing is provided as part of a contractual agreement with the client named within.
The photometric results as shown have been generated by the software AGES2 V10 and are subject
to acceptance & tolerances including variance in the dimensions & obstructions on-site.
Beams, luminaire positions, mounting, ambient temperature, atmospheric conditions, luminaire lamp
output, lighting design software, electrical supply & instrument calibration.
Disclaimer - This design is done for guiding and informational purposes only. Please check all
dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not
responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the
accuracy of this information or the content or performance of any design whatsoever.
© AAA-LUX LIGHTING AUSTRALIA

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

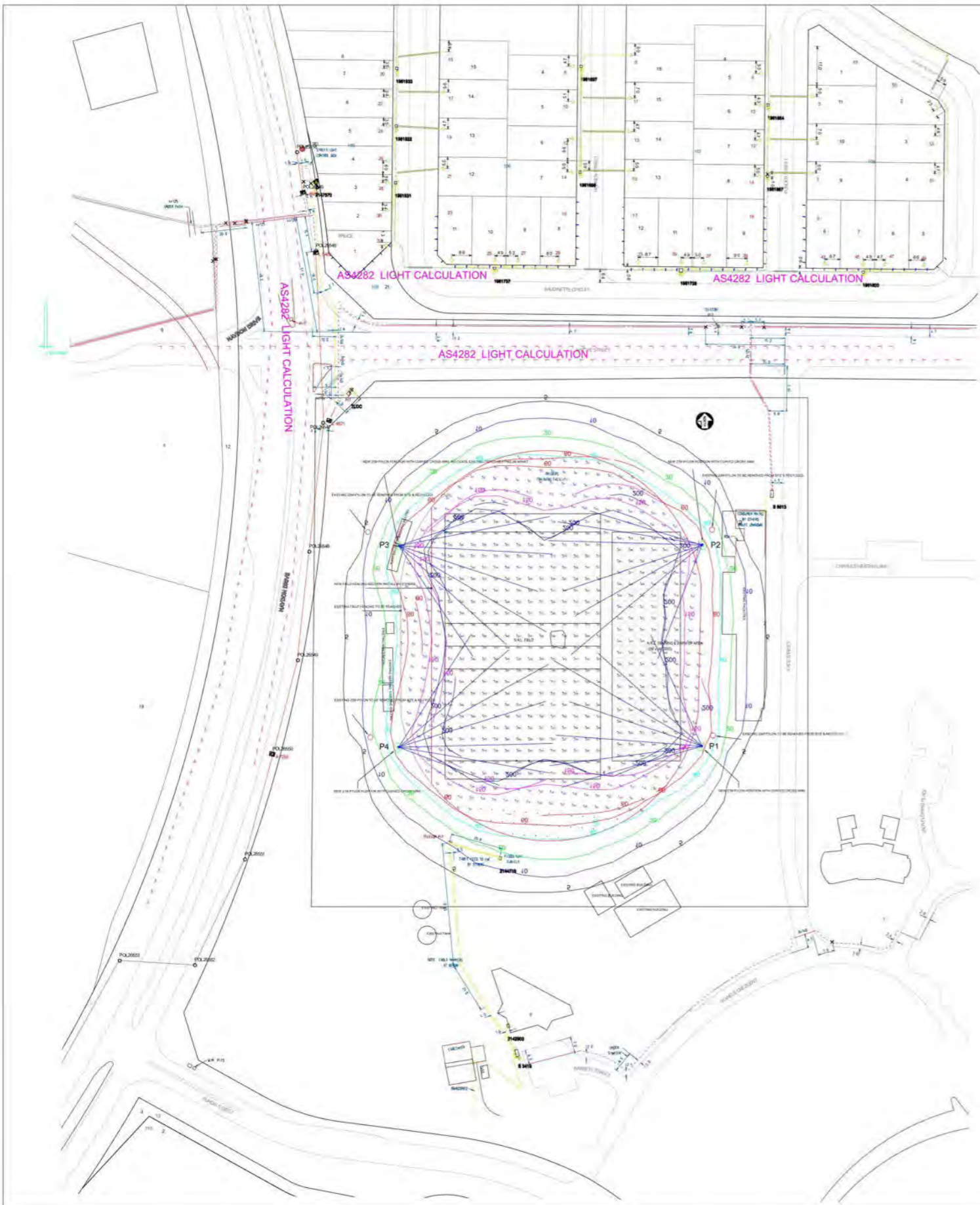
PROJECT No:
20211008

DATE:
01.11.2021

SHEET:
A3 SCALE:
AS SHOWN

LIGHTING ENGINEER
SK M. IES

SHEET
3



Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
 Filename: Belconnen Shark Park 200lux Design - Canberra Raiders Training Ground - Compliance Achieved - LLF = 1
 30/01/2024 10:27:42 AM

Illuminance
 Maximum Allowable Value: 10 Lux

Calculations Tested (12):

Calculation Label	Test Results	Max. Illum.
OL - RES BAUDINETTE CIRCUIT_1_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_1_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg4	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg2	PASS	1
OL - RES BAUDINETTE CIRCUIT_3_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg3	PASS	0

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (12):

Calculation Label	Test Results
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg4	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg3	PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (4):

Calculation Label	Adaptation Luminance	Test Results
OL - TI - BATTYE ST WEST	10	PASS
OL - TI - BATTYE ST EAST	10	PASS
OL - TI - HAYDON DR STH	10	PASS
OL - TI - HAYDON DR NTH	10	PASS

Upward Waste Light Ratio (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.0 %
 Test Results: **PASS**

AS/NZS 4282:2023, A3 - MED DISTRICT BRIGHTNESS - Non-Curfew L1

MAX. VERTICAL ILLUMINATION = 10LUX

VERTICAL LUMINOUS INTENSITY = 12 500cd

CALCULATIONS ARE UNDERTAKEN AT A LLF OF 1 AS PER THE STANDARD AS4282:2023.

THE DESIGN HAS DEMONSTRATED THAT THE RESULTS WILL HAVE THE LEAST IMPACT ON LOCAL AND VISITING RESIDENTS, TRANSPORT SYSTEM USERS, SKY GLOW AND WILDLIFE.

THE DESIGN RESULTS ARE BASED ON PHOTOMETRIC DATA AND .IES FILES PROVIDED BY THE MANUFACTURER. SOFTWARE USED IN THE DESIGN IS AGI32 V21.2

NOT FOR CONSTRUCTION



ADDRESSEE:
 PO Box 304
 Paddington
 QLD 4064
 p:1300 AAALUX
 (1300 222 589)

PROJECT:
 20211008_Belconnen Sharks
 RLFC_Canberra Raiders Training
 Ground, Bruce ACT 2617

Drawing Title:
**AS4282 SPILL LIGHT
 ASSESSMENT OF
 CONFORMANCE**

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWINGS.
 AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR COPIES OF DRAWINGS ISSUED ELECTRONICALLY. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.
 This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any reproduction or use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
 This document is produced by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of end user by the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by this party on the content of this document.
 Lighting Calculations are subject to the accuracy & existence accordance with AS/NZS 3827 (1/2020) © AS/NZS 3827:2019.
 This drawing is provided as part of a contractual agreement with the client named within. The photometric results as shown have been generated by the software AGI32 V19 and are subject to accuracy & tolerances including variation in the dimensions & obstructions surface. Surface luminance, position, mounting, ambient temperature, atmospheric conditions, luminaire lamp output, lighting design software, electrical supply & instrument calibration.
 Disclaimer - This design is done for getting and informational purposes only. Please check all dimensions with before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.
 © AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
 20211008

DATE:
 01.11.2021

SHEET: **A3** SCALE: AS SHOWN

LIGHTING ENGINEER
 SK M. IES

SHEET
4

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

SECTION 1: PROJECT OVERVIEW AND ELIGIBILITY

* indicates a required field

ASSESSMENT TOOL - CSFP PERMITS AND APPROVALS

Is the location of the proposed project zoned appropriately?

- Yes
 No

Is formal consent from the landowner provided to undertake the project at the proposed site?

- Yes
 No

If applicant is owner of land - answer (YES) to this question

Are all permits/approvals (e.g. building or planning) required to commence the project approved?

- Yes
 No

Assessor Comments (as required)

ASSESSMENT TOOL - CSFP (CONSTRUCTION) FUNDING STREAM

What funding stream is the organisation applying for?

- Single year funding: Facility upgrade or development projects that will be complete within 12 months and have a total investment (exclusive of GST) of \$5,000 - \$1,000,000.
 Multi-year funding: Facility upgrade or development projects that require a planning and construction period of two years and have a total investment (exclusive of GST) of up to \$2,000,000 (e.g. an applicant may request up to \$1,000,000 in year one and up to \$1,000,000 in year two - for a total investment of \$2,000,000).

ASSESSMENT TOOL - PROJECT ELIGIBILITY

1. PROJECT ELIGIBILITY: Has the applicant indicated which eligible category / categories the project aligns with?

- Upgrade to existing facilities and/or constructing new facilities
- Facilities and/or infrastructure upgrades that are female friendly (refer sport.act.gov.au)
- A project which encourages flexible, multi-use, shared and integrated facilities and services
- A project which fosters inclusive, diverse, accessible and responsible facility development through universal design, environmental sustainability, and strategically planned facilities
- A project which encourages collaboration with schools, service providers, facility managers and community organisations to deliver participation outcomes

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment (Version 2 of 2)
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 1 Jan 2026, 12:23PM AEDT

- New playing surfaces
- Development of sport infrastructure to increase the accessibility and diversity of organised sport and active recreation activity opportunities and enhances the experience of users
- Change rooms / ablutions
- Sports storage
- An enhancement of ACT Public School facilities that improve access and use by community sport and recreation organisations
- Upgrade to existing facilities that enhances the participation experience and opportunities for social connection in the community sport setting
- Development of facilities which, as a secondary benefit, allow the organisation to diversify its revenue streams and enhance its financial sustainability

Is the project eligible? *

- Yes No

Assessor Comments

2. PROJECT INELIGIBILITY: The applicant has confirmed that the project does not align with any of the ineligible projects listed in the CSFP Funding Guidelines. *

- Yes No

Assessor Comments

ASSESSMENT TOOL - PROJECT OVERVIEW

3. WHY has the proposed project been prioritised? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

4. WHAT will the CSFP funding specifically be used for? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

5. WHO will benefit from the proposed project? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

6. WHO will be responsible for the management of the project? Has a suitable response been provided for this question?

- Yes No

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Assessor Comments (as required)

7. HOW you will measure the impact of the project? Has a suitable response been provided for this question?

Yes No

Assessor Comments (as required)

8. Is the project listed on the ACT infrastructure survey?

Yes
 No

Project Overview and Eligibility - Assessment Summary

All Project Overview and Eligibility Requirements met?

Yes No

Assessor Comments (summary of above assessment)

SECTION 2: PROJECT SPECIFIC EVIDENCE REQUESTS

FOCUS AREA 1: PROJECT NEED

When completing this section of the Assessment Tool, assessors will use the following points system to **assess each assessment criteria** - i.e. in relation to the specific assessment criteria being assessed:

- Is the evidence provided **relevant**? (yes = 1 point / no = 0 points)
- Is the evidence provided **sufficient**? (yes = 1 point / no = 0 points)
- Is the evidence provided **current**? (yes = 1 point / no = 0 points)
- Is the evidence provided **authentic**? (yes = 1 point / no = 0 points)

Question 1.1

What process did the organisation undertake to ensure the proposed project is needed / justified?

Evidence supplied?

Yes No

Assessment Criteria 1.1

A sound process has been used to justify the need associated with the project's implementation, e.g. community consultation, membership and participation data, facility usage data, linkages to the organisation's strategic plan, etc.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Mandatory Evidence: A formalised needs analysis process (e.g. Feasibility Study) is required to have been undertaken for projects over \$500,000.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.2

How will the project address an identified need, gap or deficiency in the availability of sport facilities to the ACT community?

Evidence supplied?

Yes

No

Assessment Criteria 1.2

The successful completion of the project will address a specific gap or deficiency in the ACT community's ability to access sport or active recreation offerings delivered by the organisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.3

How will the project lead to positive participation and facility utilisation outcomes for sport or active recreation?

Evidence Supplied?

Yes

No

Assessment Criteria 1.3

The successful completion of the project will help to maintain or increase organised sport / active recreation participation and facility utilisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.4

Will the project facilitate improved inclusive access to organised sport or active recreation; and if so, how?

Evidence supplied?

Yes

No

Assessment Criteria 1.4

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

The successful completion of the project will help to increase organised sport / active recreation participation and facility utilisation, by specific target groups, e.g. female; youth; aboriginal; CALD; disabled; aged; LGBTQI+, those not engaged in sport/active recreation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.5

1.5 Will the project improve the quality, safety, or standard of sport / active recreation facilities that are available to the community; and if so, how?

Evidence supplied?

Yes

No

Assessment Criteria 1.5

How the project will improve the quality, safety, or standard of sport / active recreation facilities that are available to the community is clear.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.6

How does the project align with key priorities within the organisation's strategic plan?

Evidence supplied?

Yes

No

Assessment Criteria 1.6

The project's intended purpose clearly aligns with specific priorities within the organisation's strategic plan.

Mandatory Evidence: *Current organisational strategic plan and current state level organisation strategic plan.*

Relevant Score (0-1)

0.5

Must be a number.

Sufficient Score (0-1)

0.5

Must be a number.

Current Score (0-1)

0.5

Must be a number.

Authentic Score (0-1)

0.5

Must be a number.

TOTAL Score (0-4)

2

This number/amount is calculated.

Question 1.7

Has your project received formal support from your SSO?

Evidence supplied?

Yes

No

Assessment Criteria 1.7

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Mandatory Evidence: For all projects with a total value of over \$250,000, a formal letter of support from the relevant SSO.

Assessor Note: If the applicant is an SSO, or the total value of the project is under \$250,000, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.8

How does the project align with key priorities within the CBR Next Move Strategic Plan?

Evidence supplied?

Yes

No

Assessment Criteria 1.8

The project's intended purpose clearly aligns with specific priorities within the CBR Next Move Strategic Plan strategic plan.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment (Version 2 of 2)
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 1 Jan 2026, 12:23PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.9

Which alternatives to the proposed project were considered and why were they rejected?

Evidence supplied?

Yes

No

Assessment Criteria 1.9

Relevant alternatives to the proposed project were identified and assessed as not meeting the needs of the organisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Need Sub-Total

34

This number/amount is calculated.

Assessor Comments (as required)

FOCUS AREA 2: PROJECT FEASIBILITY

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment (Version 2 of 2)
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 1 Jan 2026, 12:23PM AEDT

Question 2.1

Has the organisation undertaken a feasibility study relating to the project?

Evidence Supplied?

Yes No

Assessment Criteria 2.1

A project feasibility study is provided which demonstrates the need and viability of the project.

Mandatory Evidence: A project feasibility study must be provided for all projects with a total budget over \$500,000.

Relevant Score (0-1)

1
Must be a number.

Sufficient Score (0-1)

1
Must be a number.

Current Score (0-1)

1
Must be a number.

Authentic Score (0-1)

1
Must be a number.

TOTAL Score (0-4)

4
This number/amount is calculated.

Question 2.2

2.2 Does the facility project involve partnerships which will result in shared use / multi-purpose use of the facility?

Evidence Supplied?

Yes No

Assessment Criteria 2.2

The project is designed to facilitate shared use of a facility by multiple sport / active recreation organisations.

Mandatory Evidence: A statement from partners regarding the nature of the shared use / multi-purpose facility project agreement is required for all shared use / multi-purpose facility projects.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 2.3

Has the organisation applied a Life Cycle Cost Analysis process to the project?

Evidence supplied?

Yes

No

Assessment Criteria 2.3

A life cycle cost analysis process has been undertaken in relation to the project which considers the whole of life implications associated with planning, acquiring, operating and maintaining the facility upgrade or development.

Mandatory Evidence: A lifecycle cost analysis must be provided for all projects with a budget over \$500,000.

Assessor Note: If the applicant is applying for funding to undertake a feasibility study which includes a lifecycle cost analysis, score this question 4/4.

Relevant Score (0-1)

0.5

Must be a number.

Sufficient Score (0-1)

0.5

Must be a number.

Current Score (0-1)

0.5

Must be a number.

Authentic Score (0-1)

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment (Version 2 of 2)
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 1 Jan 2026, 12:23PM AEDT

0.5

Must be a number.

TOTAL Score (0-4)

2

This number/amount is calculated.

Project Feasibility Sub-Total

10

This number/amount is calculated.

Assessor Comments (as required)

FOCUS AREA 3: PROJECT PLANNING

Question 3.1

Does the applicant have a clear, detailed, and realistic project plan, which meets CSFP requirements regarding project commencement and completion dates, etc.?

Evidence Supplied?

Yes

No

Assessment Criteria 3.1

A clear, detailed and realistic project plan designed to guide the successful delivery of the project is in place.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Question 3.2

Does the applicant have a detailed project budget, which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant?

Note: Co-investment from the application organisation towards the project is strongly encouraged and is to be viewed favourably.

Evidence supplied?

Yes No

Assessment Criteria 3.2

A detailed project budget which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant is in place.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Mandatory Evidence: For capital works/construction projects valued at over \$500,000, applicants must provide an independent, detailed costings plan developed by a certified quantity surveyor.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.3

Do all facility related plans meet Australian Design Standards, ACT government facility planning requirements, any sport specific facility standards appropriate to the nature of the facility; and environmentally sustainable design principles?

Evidence supplied?

Yes No

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Assessment Criteria 3.3

The applicant has demonstrated that all facility project related plans (e.g. concept designs, architect plans, builder plans, etc.) meet:

- Australian Design Standards;
- ACT government facility planning requirements;
- Any sport specific facility standards appropriate to the nature of the facility; and
- Environmentally sustainable design principles

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Assessor Note: If the applicant is applying for funding to undertake preliminary planning activities such as feasibility studies, options studies, etc., and not building related activities, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.4

Does the organisation has access to capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets; and if not, how will the organisation access the required expertise?

Evidence supplied?

Yes

No

Assessment Criteria 3.4

The applicant organisation demonstrates it has the capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Planning Sub-Total

16

This number/amount is calculated.

Assessor Comments (as required)

A detailed application which was unsuccessful in the past. The applicant has an approved DA for the project and has provided good supporting documentation including letters of support and other design related documentation. The project is also a Canberra Region Rugby League infrastructure priority project which will benefit several user groups. Recommend \$380,000 of support.

TOTAL SCORE

60

This number/amount is calculated.

SECTION 3: ASSESSMENT CATEGORISATION

This section of the assessment tool allows assessors to provide a very brief summary regarding the amount and quality of the evidence provided by the applicant, as well as providing a **quantitative score** to the application, and preliminary recommendations relating to the prioritisation and potential funding allocation associated with each project application.

Organisation Legal Name

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 1 Jan 2026, 12:23PM AEDT

This question is read only.

Project Stream

- Single year funding
- Multi-year funding

Section 1 Assessment Result - Project Overview and Eligibility

All Project Overview and Eligibility requirements contained within Section 1 of the assessment tool are:

- Met in full
- Partially met - additional evidence requested
- Not met

Section 2 Assessment Result - Project Specific Evidence Requests

Overall score for Section 4 Assessment Result - Project Specific Evidence Requests

Total score achieved

60

This number/amount is calculated.

Funding Prioritisation Recommendation

1: Single year funding project

- Priority A (41-64pts)
- Priority B (21-40pts)
- Priority C (1-20pts)

Overall Assessor Comments

A detailed application which was unsuccessful in the past. The applicant has an approved DA for the project and has provided good supporting documentation including letters of support and other design related documentation. The project is also a Canberra Region Rugby League infrastructure priority project which will benefit several user groups. Recommend \$380,000 of support.

Funding Recommendation

\$380,000.00

Must be a dollar amount.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

SECTION 1: PROJECT OVERVIEW AND ELIGIBILITY

*** indicates a required field**

ASSESSMENT TOOL - CSFP PERMITS AND APPROVALS

Is the location of the proposed project zoned appropriately?

- Yes
 No

Is formal consent from the landowner provided to undertake the project at the proposed site?

- Yes
 No

If applicant is owner of land - answer (YES) to this question

Are all permits/approvals (e.g. building or planning) required to commence the project approved?

- Yes
 No

Assessor Comments (as required)

Support from CIT (land custodian) and DA received.

ASSESSMENT TOOL - CSFP (CONSTRUCTION) FUNDING STREAM

What funding stream is the organisation applying for?

- Single year funding: Facility upgrade or development projects that will be complete within 12 months and have a total investment (exclusive of GST) of \$5,000 - \$1,000,000.
 Multi-year funding: Facility upgrade or development projects that require a planning and construction period of two years and have a total investment (exclusive of GST) of up to \$2,000,000 (e.g. an applicant may request up to \$1,000,000 in year one and up to \$1,000,000 in year two – for a total investment of \$2,000,000).

ASSESSMENT TOOL - PROJECT ELIGIBILITY

1. PROJECT ELIGIBILITY: Has the applicant indicated which eligible category / categories the project aligns with?

- Upgrade to existing facilities and/or constructing new facilities
- Facilities and/or infrastructure upgrades that are female friendly (refer sport.act.gov.au)
- A project which encourages flexible, multi-use, shared and integrated facilities and services
- A project which fosters inclusive, diverse, accessible and responsible facility development through universal design, environmental sustainability, and strategically planned facilities
- A project which encourages collaboration with schools, service providers, facility managers and community organisations to deliver participation outcomes

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

- New playing surfaces
- Development of sport infrastructure to increase the accessibility and diversity of organised sport and active recreation activity opportunities and enhances the experience of users
- Change rooms / ablutions
- Sports storage
- An enhancement of ACT Public School facilities that improve access and use by community sport and recreation organisations
- Upgrade to existing facilities that enhances the participation experience and opportunities for social connection in the community sport setting
- Development of facilities which, as a secondary benefit, allow the organisation to diversify its revenue streams and enhance its financial sustainability

Is the project eligible? *

- Yes No

Assessor Comments

Asking for \$388,234.

2. PROJECT INELIGIBILITY: The applicant has confirmed that the project does not align with any of the ineligible projects listed in the CSFP Funding Guidelines. *

- Yes No

Assessor Comments

ASSESSMENT TOOL - PROJECT OVERVIEW

3. WHY has the proposed project been prioritised? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

Existing lights have reached end-of-life and do not meet requirements for evening training. The proposed replacement lights will be LED which are more energy efficient and will allow for matchplay. The venue is used by multiple groups in addition to the Sharks.

4. WHAT will the CSFP funding specifically be used for? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

Replacement of the existing light poles and heads, electrical upgrade.

5. WHO will benefit from the proposed project? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

The facility is utilised by multiple groups including Canberra District Referees, Canberra

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Raiders High Performance and Score Raiders neuro-diverse program.

6. WHO will be responsible for the management of the project? Has a suitable response been provided for this question?

Yes No

Assessor Comments (as required)

IKON is a large construction firm with plenty of experience will install the lights with the lighting plan designed by AEC who do this work all the time.

7. HOW you will measure the impact of the project? Has a suitable response been provided for this question?

Yes No

Assessor Comments (as required)

Increased usage, particularly with evening matchplay will help ease demand on other facilities.

8. Is the project listed on the ACT infrastructure survey?

Yes
 No

Project Overview and Eligibility - Assessment Summary

All Project Overview and Eligibility Requirements met?

Yes No

Assessor Comments (summary of above assessment)

The respondent has meet all the eligibility requirements included obtaining a DA. There has been significant effort by the club to meet all the requirements.

SECTION 2: PROJECT SPECIFIC EVIDENCE REQUESTS

FOCUS AREA 1: PROJECT NEED

When completing this section of the Assessment Tool, assessors will use the following points system to **assess each assessment criteria** - i.e. in relation to the specific assessment criteria being assessed:

- Is the evidence provided **relevant**? (yes = 1 point / no = 0 points)
- Is the evidence provided **sufficient**? (yes = 1 point / no = 0 points)
- Is the evidence provided **current**? (yes = 1 point / no = 0 points)
- Is the evidence provided **authentic**? (yes = 1 point / no = 0 points)

Question 1.1

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

What process did the organisation undertake to ensure the proposed project is needed / justified?

Evidence supplied?

Yes No

Assessment Criteria 1.1

A sound process has been used to justify the need associated with the project's implementation, e.g. community consultation, membership and participation data, facility usage data, linkages to the organisation's strategic plan, etc.

Mandatory Evidence: A formalised needs analysis process (e.g. Feasibility Study) is required to have been undertaken for projects over \$500,000.

Relevant Score (0-1)

1
Must be a number.

Sufficient Score (0-1)

1
Must be a number.

Current Score (0-1)

1
Must be a number.

Authentic Score (0-1)

1
Must be a number.

TOTAL Score (0-4)

4
This number/amount is calculated.

Question 1.2

How will the project address an identified need, gap or deficiency in the availability of sport facilities to the ACT community?

Evidence supplied?

Yes No

Assessment Criteria 1.2

The successful completion of the project will address a specific gap or deficiency in the ACT community's ability to access sport or active recreation offerings delivered by the organisation.

Relevant Score (0-1)

1

2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.3

How will the project lead to positive participation and facility utilisation outcomes for sport or active recreation?

Evidence Supplied?

Yes

No

Assessment Criteria 1.3

The successful completion of the project will help to maintain or increase organised sport / active recreation participation and facility utilisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

0

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

0

Must be a number.

TOTAL Score (0-4)

2

This number/amount is calculated.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Question 1.4

Will the project facilitate improved inclusive access to organised sport or active recreation; and if so, how?

Evidence supplied?

Yes No

Assessment Criteria 1.4

The successful completion of the project will help to increase organised sport / active recreation participation and facility utilisation, by specific target groups, e.g. female; youth; aboriginal; CALD; disabled; aged; LGBTQI+, those not engaged in sport/active recreation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.5

1.5 Will the project improve the quality, safety, or standard of sport / active recreation facilities that are available to the community; and if so, how?

Evidence supplied?

Yes No

Assessment Criteria 1.5

How the project will improve the quality, safety, or standard of sport / active recreation facilities that are available to the community is clear.

Relevant Score (0-1)

1

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.6

How does the project align with key priorities within the organisation's strategic plan?

Evidence supplied?

Yes

No

Assessment Criteria 1.6

The project's intended purpose clearly aligns with specific priorities within the organisation's strategic plan.

Mandatory Evidence: *Current organisational strategic plan and current state level organisation strategic plan.*

Relevant Score (0-1)

0

Must be a number.

Sufficient Score (0-1)

0

Must be a number.

Current Score (0-1)

0

Must be a number.

Authentic Score (0-1)

0

Must be a number.

TOTAL Score (0-4)

0

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

This number/amount is calculated.

Question 1.7

Has your project received formal support from your SSO?

Evidence supplied?

Yes No

Assessment Criteria 1.7

Mandatory Evidence: For all projects with a total value of over \$250,000, a formal letter of support from the relevant SSO.

Assessor Note: If the applicant is an SSO, or the total value of the project is under \$250,000, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.8

How does the project align with key priorities within the CBR Next Move Strategic Plan?

Evidence supplied?

Yes No

Assessment Criteria 1.8

The project's intended purpose clearly aligns with specific priorities within the CBR Next Move Strategic Plan strategic plan.

Relevant Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

1
Must be a number.

Sufficient Score (0-1)

1
Must be a number.

Current Score (0-1)

1
Must be a number.

Authentic Score (0-1)

1
Must be a number.

TOTAL Score (0-4)

4
This number/amount is calculated.

Question 1.9

Which alternatives to the proposed project were considered and why were they rejected?

Evidence supplied?

Yes No

Assessment Criteria 1.9

Relevant alternatives to the proposed project were identified and assessed as not meeting the needs of the organisation.

Relevant Score (0-1)

1
Must be a number.

Sufficient Score (0-1)

0
Must be a number.

Current Score (0-1)

1
Must be a number.

Authentic Score (0-1)

0
Must be a number.

TOTAL Score (0-4)

2
This number/amount is calculated.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Project Need Sub-Total

28

This number/amount is calculated.

Assessor Comments (as required)

The club has received expert advice the current lights are no longer fit for purpose and have undertaken the process to get DA for a new set-up. The new lights will offer increased opportunity to optimise usage of the facility for a variety of groups.

FOCUS AREA 2: PROJECT FEASIBILITY

Question 2.1

Has the organisation undertaken a feasibility study relating to the project?

Evidence Supplied?

Yes

No

Assessment Criteria 2.1

A project feasibility study is provided which demonstrates the need and viability of the project.

Mandatory Evidence: A project feasibility study must be provided for all projects with a total budget over \$500,000.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 2.2

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

2.2 Does the facility project involve partnerships which will result in shared use / multi-purpose use of the facility?

Evidence Supplied?

Yes No

Assessment Criteria 2.2

The project is designed to facilitate shared use of a facility by multiple sport / active recreation organisations.

Mandatory Evidence: A statement from partners regarding the nature of the shared use / multi-purpose facility project agreement is required for all shared use / multi-purpose facility projects.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 2.3

Has the organisation applied a Life Cycle Cost Analysis process to the project?

Evidence supplied?

Yes No

Assessment Criteria 2.3

A life cycle cost analysis process has been undertaken in relation to the project which considers the whole of life implications associated with planning, acquiring, operating and maintaining the facility upgrade or development.

Mandatory Evidence: A lifecycle cost analysis must be provided for all projects with a budget over \$500,000.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Assessor Note: *If the applicant is applying for funding to undertake a feasibility study which includes a lifecycle cost analysis, score this question 4/4.*

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

0

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

3

This number/amount is calculated.

Project Feasibility Sub-Total

11

This number/amount is calculated.

Assessor Comments (as required)

The new lights will benefit multiple rugby league user groups. A thorough analysis of the current lights has been undertaken. While a life-cycle analysis hasn't been undertaken, the club has provided some detail on the expected lifespan of the new infrastructure.

FOCUS AREA 3: PROJECT PLANNING

Question 3.1

Does the applicant have a clear, detailed, and realistic project plan, which meets CSFP requirements regarding project commencement and completion dates, etc.?

Evidence Supplied?

Yes

No

Assessment Criteria 3.1

A clear, detailed and realistic project plan designed to guide the successful delivery of the project is in place.

Mandatory Evidence: *Refer to the Application Form for examples of suitable evidence.*

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.2

Does the applicant have a detailed project budget, which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant?

Note: Co-investment from the application organisation towards the project is strongly encouraged and is to be viewed favourably.

Evidence supplied?

Yes

No

Assessment Criteria 3.2

A detailed project budget which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant is in place.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Mandatory Evidence: For capital works/construction projects valued at over \$500,000, applicants must provide an independent, detailed costings plan developed by a certified quantity surveyor.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.3

Do all facility related plans meet Australian Design Standards, ACT government facility planning requirements, any sport specific facility standards appropriate to the nature of the facility; and environmentally sustainable design principles?

Evidence supplied?

Yes

No

Assessment Criteria 3.3

The applicant has demonstrated that all facility project related plans (e.g. concept designs, architect plans, builder plans, etc.) meet:

- Australian Design Standards;
- ACT government facility planning requirements;
- Any sport specific facility standards appropriate to the nature of the facility; and
- Environmentally sustainable design principles

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Assessor Note: If the applicant is applying for funding to undertake preliminary planning activities such as feasibility studies, options studies, etc., and not building related activities, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 15 Dec 2025, 12:17PM AEDT

4

This number/amount is calculated.

Question 3.4

Does the organisation has access to capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets; and if not, how will the organisation access the required expertise?

Evidence supplied?

Yes

No

Assessment Criteria 3.4

The applicant organisation demonstrates it has the capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Planning Sub-Total

16

This number/amount is calculated.

Assessor Comments (as required)

Detailed program and budget provided and the club has engaged consultants with appropriate skills and understanding of the project.

TOTAL SCORE

55

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

This number/amount is calculated.

SECTION 3: ASSESSMENT CATEGORISATION

This section of the assessment tool allows assessors to provide a very brief summary regarding the amount and quality of the evidence provided by the applicant, as well as providing a **quantitative score** to the application, and preliminary recommendations relating to the prioritisation and potential funding allocation associated with each project application.

Organisation Legal Name

This question is read only.

Project Stream

- Single year funding
- Multi-year funding

Section 1 Assessment Result - Project Overview and Eligibility

All Project Overview and Eligibility requirements contained within Section 1 of the assessment tool are:

- Met in full
- Partially met - additional evidence requested
- Not met

Section 2 Assessment Result - Project Specific Evidence Requests

Overall score for Section 4 Assessment Result - Project Specific Evidence Requests

Total score achieved

55

This number/amount is calculated.

Funding Prioritisation Recommendation

1: Single year funding project

Priority A
(41-64pts)

Priority B
(21-40pts)

Priority C
(1-20pts)

2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 15 Dec 2025, 12:17PM AEDT

Overall Assessor Comments

Recommended for funding.

Funding Recommendation

\$388,234.00

Must be a dollar amount.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

SECTION 1: PROJECT OVERVIEW AND ELIGIBILITY

* indicates a required field

ASSESSMENT TOOL - CSFP PERMITS AND APPROVALS

Is the location of the proposed project zoned appropriately?

- Yes
 No

Is formal consent from the landowner provided to undertake the project at the proposed site?

- Yes
 No

If applicant is owner of land - answer (YES) to this question

Are all permits/approvals (e.g. building or planning) required to commence the project approved?

- Yes
 No

Assessor Comments (as required)

ASSESSMENT TOOL - CSFP (CONSTRUCTION) FUNDING STREAM

What funding stream is the organisation applying for?

- Single year funding: Facility upgrade or development projects that will be complete within 12 months and have a total investment (exclusive of GST) of \$5,000 - \$1,000,000.
 Multi-year funding: Facility upgrade or development projects that require a planning and construction period of two years and have a total investment (exclusive of GST) of up to \$2,000,000 (e.g. an applicant may request up to \$1,000,000 in year one and up to \$1,000,000 in year two - for a total investment of \$2,000,000).

ASSESSMENT TOOL - PROJECT ELIGIBILITY

1. PROJECT ELIGIBILITY: Has the applicant indicated which eligible category / categories the project aligns with?

- Upgrade to existing facilities and/or constructing new facilities
- Facilities and/or infrastructure upgrades that are female friendly (refer sport.act.gov.au)
- A project which encourages flexible, multi-use, shared and integrated facilities and services
- A project which fosters inclusive, diverse, accessible and responsible facility development through universal design, environmental sustainability, and strategically planned facilities
- A project which encourages collaboration with schools, service providers, facility managers and community organisations to deliver participation outcomes

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

- New playing surfaces
- Development of sport infrastructure to increase the accessibility and diversity of organised sport and active recreation activity opportunities and enhances the experience of users
- Change rooms / ablutions
- Sports storage
- An enhancement of ACT Public School facilities that improve access and use by community sport and recreation organisations
- Upgrade to existing facilities that enhances the participation experience and opportunities for social connection in the community sport setting
- Development of facilities which, as a secondary benefit, allow the organisation to diversify its revenue streams and enhance its financial sustainability

Is the project eligible? *

- Yes No

Assessor Comments

2. PROJECT INELIGIBILITY: The applicant has confirmed that the project does not align with any of the ineligible projects listed in the CSFP Funding Guidelines. *

- Yes No

Assessor Comments

ASSESSMENT TOOL - PROJECT OVERVIEW

3. WHY has the proposed project been prioritised? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

4. WHAT will the CSFP funding specifically be used for? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

5. WHO will benefit from the proposed project? Has a suitable response been provided for this question?

- Yes No

Assessor Comments (as required)

6. WHO will be responsible for the management of the project? Has a suitable response been provided for this question?

- Yes No

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Assessor Comments (as required)

7. HOW you will measure the impact of the project? Has a suitable response been provided for this question?

Yes No

Assessor Comments (as required)

8. Is the project listed on the ACT infrastructure survey?

Yes
 No

Project Overview and Eligibility - Assessment Summary

All Project Overview and Eligibility Requirements met?

Yes No

Assessor Comments (summary of above assessment)

SECTION 2: PROJECT SPECIFIC EVIDENCE REQUESTS

FOCUS AREA 1: PROJECT NEED

When completing this section of the Assessment Tool, assessors will use the following points system to **assess each assessment criteria** - i.e. in relation to the specific assessment criteria being assessed:

- Is the evidence provided **relevant**? (yes = 1 point / no = 0 points)
- Is the evidence provided **sufficient**? (yes = 1 point / no = 0 points)
- Is the evidence provided **current**? (yes = 1 point / no = 0 points)
- Is the evidence provided **authentic**? (yes = 1 point / no = 0 points)

Question 1.1

What process did the organisation undertake to ensure the proposed project is needed / justified?

Evidence supplied?

Yes No

Assessment Criteria 1.1

A sound process has been used to justify the need associated with the project's implementation, e.g. community consultation, membership and participation data, facility usage data, linkages to the organisation's strategic plan, etc.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Mandatory Evidence: A formalised needs analysis process (e.g. Feasibility Study) is required to have been undertaken for projects over \$500,000.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.2

How will the project address an identified need, gap or deficiency in the availability of sport facilities to the ACT community?

Evidence supplied?

Yes

No

Assessment Criteria 1.2

The successful completion of the project will address a specific gap or deficiency in the ACT community's ability to access sport or active recreation offerings delivered by the organisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.3

How will the project lead to positive participation and facility utilisation outcomes for sport or active recreation?

Evidence Supplied?

Yes

No

Assessment Criteria 1.3

The successful completion of the project will help to maintain or increase organised sport / active recreation participation and facility utilisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.4

Will the project facilitate improved inclusive access to organised sport or active recreation; and if so, how?

Evidence supplied?

Yes

No

Assessment Criteria 1.4

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

The successful completion of the project will help to increase organised sport / active recreation participation and facility utilisation, by specific target groups, e.g. female; youth; aboriginal; CALD; disabled; aged; LGBTQI+, those not engaged in sport/active recreation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

0

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

3

This number/amount is calculated.

Question 1.5

1.5 Will the project improve the quality, safety, or standard of sport / active recreation facilities that are available to the community; and if so, how?

Evidence supplied?

Yes

No

Assessment Criteria 1.5

How the project will improve the quality, safety, or standard of sport / active recreation facilities that are available to the community is clear.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.6

How does the project align with key priorities within the organisation's strategic plan?

Evidence supplied?

Yes

No

Assessment Criteria 1.6

The project's intended purpose clearly aligns with specific priorities within the organisation's strategic plan.

Mandatory Evidence: *Current organisational strategic plan and current state level organisation strategic plan.*

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.7

Has your project received formal support from your SSO?

Evidence supplied?

Yes

No

Assessment Criteria 1.7

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Mandatory Evidence: For all projects with a total value of over \$250,000, a formal letter of support from the relevant SSO.

Assessor Note: If the applicant is an SSO, or the total value of the project is under \$250,000, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.8

How does the project align with key priorities within the CBR Next Move Strategic Plan?

Evidence supplied?

Yes

No

Assessment Criteria 1.8

The project's intended purpose clearly aligns with specific priorities within the CBR Next Move Strategic Plan strategic plan.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 1.9

Which alternatives to the proposed project were considered and why were they rejected?

Evidence supplied?

Yes

No

Assessment Criteria 1.9

Relevant alternatives to the proposed project were identified and assessed as not meeting the needs of the organisation.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Need Sub-Total

35

This number/amount is calculated.

Assessor Comments (as required)

FOCUS AREA 2: PROJECT FEASIBILITY

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Question 2.1

Has the organisation undertaken a feasibility study relating to the project?

Evidence Supplied?

Yes No

Assessment Criteria 2.1

A project feasibility study is provided which demonstrates the need and viability of the project.

Mandatory Evidence: A project feasibility study must be provided for all projects with a total budget over \$500,000.

Relevant Score (0-1)

1
Must be a number.

Sufficient Score (0-1)

1
Must be a number.

Current Score (0-1)

1
Must be a number.

Authentic Score (0-1)

1
Must be a number.

TOTAL Score (0-4)

4
This number/amount is calculated.

Question 2.2

2.2 Does the facility project involve partnerships which will result in shared use / multi-purpose use of the facility?

Evidence Supplied?

Yes No

Assessment Criteria 2.2

The project is designed to facilitate shared use of a facility by multiple sport / active recreation organisations.

Mandatory Evidence: A statement from partners regarding the nature of the shared use / multi-purpose facility project agreement is required for all shared use / multi-purpose facility projects.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 2.3

Has the organisation applied a Life Cycle Cost Analysis process to the project?

Evidence supplied?

Yes

No

Assessment Criteria 2.3

A life cycle cost analysis process has been undertaken in relation to the project which considers the whole of life implications associated with planning, acquiring, operating and maintaining the facility upgrade or development.

Mandatory Evidence: A lifecycle cost analysis must be provided for all projects with a budget over \$500,000.

Assessor Note: If the applicant is applying for funding to undertake a feasibility study which includes a lifecycle cost analysis, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 5 Jan 2026, 1:31PM AEDT

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Feasibility Sub-Total

12

This number/amount is calculated.

Assessor Comments (as required)

FOCUS AREA 3: PROJECT PLANNING

Question 3.1

Does the applicant have a clear, detailed, and realistic project plan, which meets CSFP requirements regarding project commencement and completion dates, etc.?

Evidence Supplied?

Yes

No

Assessment Criteria 3.1

A clear, detailed and realistic project plan designed to guide the successful delivery of the project is in place.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Question 3.2

Does the applicant have a detailed project budget, which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant?

Note: Co-investment from the application organisation towards the project is strongly encouraged and is to be viewed favourably.

Evidence supplied?

Yes No

Assessment Criteria 3.2

A detailed project budget which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant is in place.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Mandatory Evidence: For capital works/construction projects valued at over \$500,000, applicants must provide an independent, detailed costings plan developed by a certified quantity surveyor.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.3

Do all facility related plans meet Australian Design Standards, ACT government facility planning requirements, any sport specific facility standards appropriate to the nature of the facility; and environmentally sustainable design principles?

Evidence supplied?

Yes No

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Assessment Criteria 3.3

The applicant has demonstrated that all facility project related plans (e.g. concept designs, architect plans, builder plans, etc.) meet:

- Australian Design Standards;
- ACT government facility planning requirements;
- Any sport specific facility standards appropriate to the nature of the facility; and
- Environmentally sustainable design principles

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

Assessor Note: If the applicant is applying for funding to undertake preliminary planning activities such as feasibility studies, options studies, etc., and not building related activities, score this question 4/4.

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Question 3.4

Does the organisation has access to capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets; and if not, how will the organisation access the required expertise?

Evidence supplied?

Yes

No

Assessment Criteria 3.4

The applicant organisation demonstrates it has the capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets.

Mandatory Evidence: Refer to the Application Form for examples of suitable evidence.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP (Construction) Individual Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 5 Jan 2026, 1:31PM AEDT

Relevant Score (0-1)

1

Must be a number.

Sufficient Score (0-1)

1

Must be a number.

Current Score (0-1)

1

Must be a number.

Authentic Score (0-1)

1

Must be a number.

TOTAL Score (0-4)

4

This number/amount is calculated.

Project Planning Sub-Total

16

This number/amount is calculated.

Assessor Comments (as required)

TOTAL SCORE

63

This number/amount is calculated.

SECTION 3: ASSESSMENT CATEGORISATION

This section of the assessment tool allows assessors to provide a very brief summary regarding the amount and quality of the evidence provided by the applicant, as well as providing a **quantitative score** to the application, and preliminary recommendations relating to the prioritisation and potential funding allocation associated with each project application.

Organisation Legal Name

This question is read only.

Project Stream

Single year funding

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP (Construction) Individual Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 5 Jan 2026, 1:31PM AEDT

Multi-year funding

Section 1 Assessment Result - Project Overview and Eligibility

All Project Overview and Eligibility requirements contained within Section 1 of the assessment tool are:

- Met in full
- Partially met - additional evidence requested
- Not met

Section 2 Assessment Result - Project Specific Evidence Requests

Overall score for Section 4 Assessment Result - Project Specific Evidence Requests

Total score achieved

63

This number/amount is calculated.

Funding Prioritisation Recommendation

1: Single year funding project

Priority A
(41-64pts)

Priority B
(21-40pts)

Priority C
(1-20pts)

Overall Assessor Comments

Now presents as a very solid application - note that new poles ARE required!! DA is approved.

Only query is EP quote??? (Referenced in the budget)

Not that some costs have already been paid, including geotech - these are part of the process and cannot be retrospectively funded.

Funding Recommendation

\$380,000.00

Must be a dollar amount.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 CSFP Group Assessment Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 13 Apr 2026, 8:54AM AEST

GROUP ASSESSMENT DECISION

Application Number

2026CSFPc00002

This field is read only.

The identification number or code for this submission.

Organisation Legal Name

Belconnen United Sharks Rugby League

Project Title

Replacement of Lighting infrastructure

Funding Stream

- Facility Planning and Design
- Single year funding
- Multi-year funding

Total Amount Requested

\$388,234.39

Must be a dollar amount.

Funding Recommendation

- Fund in full
- Partially Fund
- No Funding

Overall Assessor Comments

This year's application is notably clearer and more fully developed than previous submissions, which were unsuccessful. It is supported by strong evidence, including land-custodian endorsement from the Canberra Institute of Technology. The applicant has made meaningful financial contributions to the project, including securing an approved Development Application and undertaking geotechnical investigations. Additional funding has also been committed by two other peak bodies.

Recommended Funding

\$374,000.00

Must be a dollar amount.

Funding Method

- Lumpsum: Payment less than \$25k
- Lumpsum: Project delivery and evaluation has short timeframe and requires funding as soon as possible to fulfil project.
- Other:

2026 Community Sport Facilities Program (CSFP) (Construction)
2026 CSFP Group Assessment
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 13 Apr 2026, 8:54AM AEST

Risk Management Around Payment

- LOW
- MEDIUM
- HIGH

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Capital Works / Construction Funding Stream

Application Introduction

Introduction

This site will allow you to apply for Capital Works / Construction Projects for the 2026 calendar year.

Facility planning and design projects must apply through the Planning Stream application form.

Objectives

The objective of the CSFP is to provide financial assistance to not-for-profit sport, recreation and community organisations to develop fit for purpose, sustainable and accessible places and spaces for sport and active recreation.

Completing an application

Before applying, eligible organisations should ensure they have read and understood the [Community Sports Facility Program - Funding Guidelines](#).

Time required to submit the application

This application requires multiple attachments and supporting information to fully complete and submit.

It is expected that the time required to coordinate the quotes, support letters, plans, financial documents and other relevant attachments required can take in excess of **10+ hours**. Sport and Recreation suggest that applicants take this into consideration when planning to submit an application.

Helpful hints and tips:

- Ensure you follow the *HINTS* on each question within the application form.
- Ensure you attach project specific Mandatory Evidence where it is stated in the application form.
- Keep your responses to the questions clear and concise.
- Assume the reader is not familiar with your project.

Submitting your application

- Check that all questions have been answered and all mandatory items are attached.
- Press "submit" once you have completed the application. You will not be able to submit your application until all compulsory questions are completed - **please ensure you leave enough time to review your responses prior to the application closing time!**

Attachments and support documents

The following documents are commonly required for an application to be considered eligible:

- Public Liability Insurance certificate.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

- The applicant's most recently certified (signed by the club Treasurer) or audited Statement of Financial Performance (Income and Expenditure Statement) and/or Statement of Financial Position (Balance Sheet) covering a period of 12 months.
- Current organisational strategic plan and current state level organisation strategic plan.
- Landowner consent (where applicable)
- Permits or approvals required to complete the project including building approvals (where applicable).
- State Sporting Organisation support (where applicable).
- Other user group support (where applicable)
- Current facility usage/bookings data to demonstrate demand.
- Quotes.
- Detailed project budget.
- Detailed project plan.
- Photographs and appropriate evidence of the current state of the facility (where applicable).
- Relevant reports/plans/strategic documents/community consultation that support the project.

For projects valued over \$500,000, the following documents are required:

- A project feasibility study.
- A lifecycle cost analysis.
- Independent detailed costings plan by a certified quantity surveyor.

Contact Information

If you have any questions about the program, please contact Sport and Recreation on (02) 6207 6195 or email: dougal.reed@act.gov.au

Eligibility Requirements

*** indicates a required field**

Please Note:

If you do not comply with the following eligibility requirements, your application will not be assessed for funding.

The following organisations are eligible to complete this survey. Please select your organisation type. *

- ACT State Sport Organisation (SSO)
- National Sporting Organisation where a unitary governance model is in place
- ACT State Active Recreation Organisation
- ACT Sport and Active Recreation club / district association
- Not-for-profit sport, recreation or community organisation operating in the ACT

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

- ACT Licensed Club
- Other:

Is your organisation a not-for-profit entity? *

- Yes
- No

Is your organisation incorporated in the ACT under either: *

- the Associations Incorporation Act 1991; or
- the Corporations Act 2001 (Commonwealth)

Which year did your organisation become incorporated? *

2016

Must be no more than 4 characters.

Must be a number

If your organisation is incorporated under the Associations Incorporation Act 1991, please provide your organisation's association number *

A05647

Is your organisation up to date with compliance requirements under the Associations Incorporation Act 1991, or the Corporations Act 2001? *

- Yes
- No

All applicants must have compliance requirements under the relevant Act up to date

Do you have Public Liability Insurance? *

- Yes
- No

Public Liability Insurance coverage to a minimum level of \$10,000,000

Please attach a copy of your current insurance certificate. *

Filename: PL Insurance.pdf

File size: 63.5 kB

Are you registered for the Goods and Services Tax (GST)? *

- Yes
- No

Applicable if turnover is greater than \$150,000 per annum

Do you have an ABN or ACN? *

- Australian Business Number (ABN)
- Australian Company Number (ACN)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Please provide your ABN. *

14 951 282 167

Information from the Australian Business Register	
ABN	14 951 282 167
Entity name	Belconnen United Sharks Rugby League Football Club
ABN status	Active
Entity type	Other Incorporated Entity
Goods & Services Tax (GST)	Yes
DGR Endorsed	No
ATO Charity Type	Not endorsed More information
ACNC Registration	No
Tax Concessions	No tax concessions
Main business location	2615 ACT

Information retrieved at 5:18am yesterday

Must be an ABN.

Does your organisation have an administrative structure and physical presence in the ACT? *

- Yes
 No

Do you deliver programs within the ACT for ACT residents? *

- Yes
 No

Is the proposed project being delivered in the ACT? *

- Yes
 No

Please provide a copy of your organisation's most recent certified (signed by the club treasurer) or audited Statements of Financial Performance (Income and Expenditure Statement), and Statement of Financial Position (Balance Sheet). *

Filename: Belconnen Sharks Financial Statements.pdf

File size: 131.2 kB

Documents must cover a period of 12 months

Please provide a copy of your organisation's current strategic plan or local operational plan. *

Filename: Sharks Strategic Plan 2025.docx

File size: 88.7 kB

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Do you have any outstanding reporting requirements for any previous Sport and Recreation or ACT Government Grants? *

- Yes
 No

If you have previously received an ACT Government grant and you are unsure if acquittal obligations have been met please check with the ACT Government area you received the funding from.

If yes, please explain why the acquittal and / or reporting requirements have not been met.

Please provide details of any ACT Government grants your organisation has received in the last two (2) years.

Have you been named in an application to the National Redress Scheme for Institutional Child Sexual Abuse and having been assessed as having the financial capacity to join the Scheme, joined the Scheme? *

- I have been named and joined the Scheme.
 I have been named and NOT joined the Scheme.
 I have not been named.

Organisation Details

*** indicates a required field**

Contact Details

Organisation Legal Name *

Belconnen United Sharks Rugby League Football Club

Organisation Trading Name

Belconnen United Sharks Rugby League Football Club

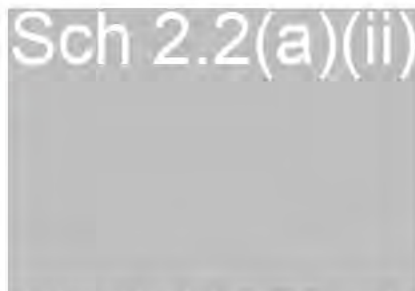
CEO (or equivalent) Name

President Name

Project Contact Person *

Project Contact Position

Physical Address *



Address Line 1, Suburb/Town, State/Province, and Postcode are required. Country must be Australia

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

**Is Postal Address same
as Physical Address? ***

- Yes
 No

Postal Address

HIGGINS ACT 2615 Australia

Phone Number *

Sch 2.2(a)(ii)

Must be an Australian phone number.

**Organisation Email
Address ***

Sch 2.2(a)(ii)

Must be an email address.

Website Address

Must be a URL.

Social Media

eg. Facebook / Twitter (if applicable)

**Please note: that as per the guidelines for this program each project requires a
separate application. Bundled or multiple site projects will not be accepted.**

Project Location / Address

Please provide the location of the proposed project.

[ACTmap viewer](#) can assist with location details if not already known.

Block Number *

4

Section Number *

9

Division / Suburb *

Bruce

Address *

2 Eade St

Bruce ACT 2617 Australia

Address Line 1, Suburb/Town, State/Province, and Postcode are required. Country must be Australia

Is the site zoned appropriately for the proposed use? *

- Yes
 No
 Not sure

Who is the Owner of the Land where the proposed project is to be located? *

- Our Organisation
 ACT Government

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

- Crown
- Private Owner (Private Property)
- Other:

Do you have landowner formal consent to undertake the project on the proposed site? *

- Yes
- Formal consent pending / in discussion
- No

Please attach evidence from the land custodian (owner of the land) demonstrating support of this project. *

Filename: Lessee Authorisation Form.pdf

File size: 461.6 kB

This could be a formal consent from the Government Department that manages your lease, or if on private land, evidence of a legally binding land use or community access agreement.

What is your organisation's tenure over the land? *

- Lease
- Sub-lease
- Licence
- Other:

What is your Lease / Licence expiry date? *

2030

Please provide contact details of the Landowner *

Canberra Institute of Technology

Phone Number *

Sch 2.2(a)(ii)

Must be an Australian phone number.

Email *

Sch 2.2(a)(ii)

Must be an email address.

Permits and Approvals

Please note: that as per the guidelines the status of any permits or approvals (e.g. building or planning approval) required to commence the project are to be approved.

Has your organisation had a Development Application (DA) approved for this proposed project by the ACT Planning and Land Authority (ACTPLA)? *

- Yes - received (attach below)
- No - lodged and awaiting decision (attach lodgement below)
- No - required, but not yet lodged

2026 Community Sport Facilities Program (CSFP) (Construction)
2026 Community Sport Facilities Program (CSFP) Construction
Application (Version 2 of 2)
Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club
 Form Submitted 17 Oct 2025, 7:46PM AEDT

- No - not required
- Other:

Please attach approval document or information related to an application pending approval. *

Filename: NOTICE OF DECISION-202544374-SIGNED.pdf
 File size: 997.2 kB

Are any other permits or approvals required before the project can commence? *

- Yes
- No

For example: Building, Planning Heritage, Environmental, Engineer, Design approvals

Type of Permit / Approval	Status of permit / approval	Evidence
For Example: Building, Planning, Heritage, Environmental		
Building Application	TBC	<i>No files have been uploaded</i>
		<i>No files have been uploaded</i>
		<i>No files have been uploaded</i>
		<i>No files have been uploaded</i>
		<i>No files have been uploaded</i>

Project eligibility and overview

*** indicates a required field**

CSFP Funding Stream

Which capital works/ construction stream are you applying for? *

- Single year funding: Facility upgrade or development projects that will be complete within 12 months and have a total investment (exclusive of GST) of \$5,000 - \$1,000,000
- Multi-year funding: Facility upgrade or development projects that require a planning and construction period of two years and have a total investment (exclusive of GST) of up to \$2,000,000 (e.g. an applicant may request up to \$1,000,000 in year one and up to \$1,000,000 in year two – for a total investment of \$2,000,000).

Project Eligibility

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

PROJECT ELIGIBILITY: Which eligible project category does the project align with?

*

- Upgrade to existing facilities and/or constructing new facilities
- Facilities and/or infrastructure upgrades that are female friendly (refer www.sport.act.gov.au)
- A project which encourages flexible, multi-use, shared and integrated facilities and services
- A project which fosters inclusive, diverse, accessible and responsible facility development through universal design, environmental sustainability, and strategically planned facilities
- A project which encourages collaboration with schools, service providers, facility managers and community organisations to deliver participation outcomes
- New playing surfaces
- Development of sport infrastructure to increase the accessibility and diversity of organised sport and active recreation activity opportunities and enhances the experience of users
- Change rooms / ablutions
- Sports storage
- An enhancement of ACT Public School facilities that improve access and use by community sport and recreation organisations
- Upgrade to existing facilities that enhances the participation experience and opportunities for social connection in the community sport setting

Note: You may indicate more than one if suitable.

Project Ineligibility

Having read the [Community Sport Facilities Program - Funding Guidelines](#), specifically **Section 5.4 Ineligible Projects**, please confirm that the project **does not** align with any of the *ineligible* projects listed in the CSFP Funding Guidelines.

Project ineligibility declaration *

- The project does not align with any of the ineligible projects listed in Section 5.4 of the CSFP Funding Guidelines

Project Overview

Brief Project Title *

Replacement of Lighting infrastructure that has failed

Maximum 10 words

WHY has the proposed project been prioritised? Within your response, please outline the extent to which the project is intended to improve the quality, safety or/standard of the facility; and how it will maintain, or increase participation? *

The proposed project for replacement lights at the Bruce rugby league facility has been prioritised due the lights themselves being at end of life and consistently malfunction which interrupts training for the Belconnen Sharks teams (5 teams - 3 male -2 female), the Canberra Referees (120 referees) , Canberra Raiders high performance squads (4 teams) and Monaro/Riverina high performance squads (6 Teams) plus the Score Raiders neuro-diverse team (40+ participants).

The light system is a halogen system and apart from the technical electrical failures is

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

outmoded and in effect at end of life as noted in many of the letters of support.

The quality of the training is affected by the inconsistency of the lights and the interruptions.

New lights will improve the quality of training of the existing teams but will enhance the facility as an attractive place to play and train for the Belconnen Sharks seniors who also service the largest junior club in Canberra.

The facility is often used by visiting rugby league and rugby union teams as a warm up facility for matches at GIO Stadium.

The safety aspect will be apart from on field improvements, also light spill into the car park will remove dark spaces which is more important with the increase in female participation and ensuring their safety.

The current Lighting is deemed unusable with only 11 of the 24 lights working, after replacing all of the globes at the start of the season.

The Belconnen Sharks have made great improvements to the club with the move to Bruce as a permanent home base and this will enhance the clubs ability to retain, recruit and showcase the club positively.

Maximum 250 words

WHAT will the CSFP funding specifically be used for? *

The CSFP funding will be used to replace the existing poles as the move to LED lighting necessitates the full replacement of lights and also upgrade the electrical system to accommodate the new lights system.

The improvements to the lights system will also allow for better access to power around the facility for cameras and broadcasting, generators and other electrical devices as required.

The project of works will be included but the works will also include excavation and trenching etc for the wires to connect the lights system.

Maximum 250 words

WHO will benefit from the proposed project? *

Beneficiaries of the project are the following:

Belconnen United Sharks RLFC with 5 senior teams (75 male – 58 female) (Community rugby league)

Belconnen Sharks JRLFC with 573 participants (2025- Female 210 & Male 363) who are serviced by the senior club and will interact with the senior club and have aspirations of playing at a high quality facility. We would also propose to play some of our Junior U17.s Girls & Boys games on Friday nights to take some pressure off other facilities & nurture to growing trend in our Junior Ladies Tackle game.(Community rugby league) * Note: 2022 Participation Female 93 Male 322.

Canberra District Referees who use Bruce as a training ground for fitness and field craft plus as a meeting area. (Community rugby league)

Canberra Region Rugby League which will be able to host matches in the evening on the ground mainly at Under 15, 16, 17 male and female levels. (Community rugby league)

Canberra Raiders High Performance Development with younger female and male age groups training midweek, especially in summer. (Performance)

NSW Regions Monaro and Riverina male and female teams who train at the NSWRL HQ facility for country championship preparation and trials for regional southern NSW teams. (Performance)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Score Raiders neuro-diverse team through partnership with The Disability Trust (Community rugby league).

Maximum 250 words

WHO will be responsible for the management of the project? *

We have engaged Project Managers IQON, who have complete several successful lighting projects for the Government. Specifically, Sch 2 2(a)(ii)

Andrew Hill from AEC Design & Consulting (Engineers) has provided the design & specification & will work with our team to provide a successful outcome for the project.

Maximum 250 words

HOW will you measure the impact of the project? *

The impact of the project can be measured in the following ways:

That there are no interruptions to training/s with the lights failing due to their own internal malfunctions.

The number of night matches able to be scheduled at the ground by CRRL where none can be played at present.

The Belconnen Sharks senior club can now invite the junior teams to training sessions with the confidence that the facility will be able to perform to expectations.

Improved reputation of the facility from players and administrators.

Better retention rate of players for Belconnen Sharks due to better facility and less frustration as to malfunctions.

Increased succession and alignment of Belconnen Sharks juniors to seniors through Under 17 boys to Under 19s; Under 17 girls tackle to Open women's tackle and Under 16 League tag to Open League tag.

Maximum 250 words

Maximum 250 words

Project Specific Evidence Requests

* indicates a required field

Focus area 1: Project Need

Applicant Organisation to respond to the question and include any documentation / booking/ usage data / images which validates or strengthens their response. This supporting evidence may be supplied via weblink/s or attachment/s.

Note: Where it is mandatory to provide evidence in support of a response, this has been stated.

1.1 What process did the organisation undertake to ensure the proposed facility project is needed / justified? *

The halogen lights are now at a point where they are unrepairable. over the past 4 years we have added band aid solutions to keep the "light on". These have included retrofitting a new power supply cable tied in conduit to the perimeter fence. Moving the gear trains to the

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

base of the poles & replacing the internal wiring. Replacing the whole light fittings & globes with salvage units. Replacing circuit breakers & rearranging lighting loads & the final straw was the renew all of the globes at the start of this season only for the units to oxidize & fail one by one until we got to the final stages with only 11 of the 24 fittings operable. There are no more feasible options.

Costs to date to keep the lights working

Sharks - Contractors, materials at cost from friendly suppliers, Boom lift hire = \$22k (plus plenty of Volunteer hrs)

NSWRL - New Lamps, Contractors, Boom lift hire = \$23k

NSWRL and Belconnen Sharks consulted with the CRRL as to undertaking a grant application which is supported and also the CRRL noted it would schedule matches if the lighting could reach match play standard.

The three groups, who have committed to providing funds for the project, then consulted Mick Roberts from the ACT Government who has been working on ACT Sportsgrounds lighting to ensure that any process was in keeping with the ACT Government requirements.

Andrew Hill from AEC Engineering was then brought in on the project.

Everyone who has been consulted have agreed that the current light facilities are inadequate and that a facility such as the NSWRL HQ Bruce would be elevated with better lighting for match play.

Usage of the lights is seasonal from Preseason Training beginning 1st Nov -1st Sept .

During the Daylight-saving period, night usage is contained to 3-5 evenings with minimal lighting required until March from then until Sept the night usage is 5 nights spread across Belconnen Sharks, Score Canberra Raiders, Canberra Referee's & Raiders Junior Reps from 5-8.30pm

Lighting is often required during Game Day matches at the back end of games.

With improved Lighting & after Raiders Junior Reps season concludes (April 30th) there will then be an opportunity to Play Under 17's Female & Male matches on Friday nights.

Please see attached report from AEC Engineers, whilst this report was commissioned in 2024 Andrew Hill has advised that it is still current .

Maximum 250 words

Mandatory Evidence for 1.1

Filename: 1682-R1 Belconnen Shark Park Enclosed Sportsground Lighting Upgrade Report Rev C.pdf

File size: 2.9 MB

MANDATORY EVIDENCE: A formalised needs analysis process (e.g. Feasibility Study) is required to have been undertaken for construction projects over \$500,000.

1.2 How will the project address an identified need, gap or deficiency in the availability of sport facilities in the ACT community? *

The project will address the need/gap or deficiency in the availability of sports facilities in the following ways:

CRRL wishes to play matches at NSWRL HQ on Friday nights as there are few ACT Government fields with match play lights. Those grounds are already utilized.

This will disperse games across more venues to protect already hard worked fields.

Having a training venue attached to The Disability Trust offices makes the organising and

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

delivery of rugby league for neuro-diverse peoples more convenient and cost effective.

The Melba DPF ground, home of the Belconnen Sharks Juniors, does not have match play lights so will enable their teams to have a "home ground" for future matches and build their affinity with the senior club.

Canberra Referees have not had a permanent home so the improvement of the lights along with the available office space for meetings etc ensures a home base and consistency in the training regime.

ACT Government Enclosed grounds are generally not open for training hire so a superior training venue with lights is an important facility for Performance rugby league teams such as the Canberra Raiders, Monaro and Riverina.

Maximum 250 words

Upload Evidence for 1.2

No files have been uploaded

1.3 How will the project lead to positive participation and facility utilisation outcomes for sport or active recreation? *

Having better lights of match play standard will allow the ground to be better utilised.

Having an extra ground of sufficient quality means that the current load on ACT Government grounds can be dispersed and allow better recovery or more time for remediation.

Players enjoy playing at suitably appointed superior grounds (Gungahlin Enclosed, Greenway, Raiders Belconnen) and with new LED lighting Bruce will be part of that group of superior grounds.

Better lighting means that visiting interstate teams that play at GIO Stadium will utilize the facility for their warm up/pre-match and actually enhance the reputation of Canberra for match preparation. The facility has been utilised by Rugby league and Rugby Union teams.

Maximum 250 words

Upload evidence for 1.3

No files have been uploaded

1.4 Will the project facilitate improved inclusive access to organised sport or active recreation, and if so, how? *

The project will definitely lead to improved inclusive access in a number of areas.

The Belconnen Sharks who are resident there has an expanding female program in both the seniors and the juniors. The seniors have increased their women's engagement with a women's tackle team joining the women's league tag team thereby doubling their engagement and good facilities on field and off field attracts players and retains players.

The Sharks junior teams has seen a movement from 93 girls in 2022 to 210 girls in 2025 and these are the players of the future for the Sharks. The Sharks have a clear pathway for female development and better lighting at a superior ground will act as an aspirational tool to keep females engaged with the club.

The Friday night matches scheduled by the CRRL will have a number of Sharks female teams drawn.

Better lighting will also facilitate a safer environment for females around the car parks etc.

The neuro-diverse program of the Score Raiders will utilize the grounds through the partnership with the Belconnen Sharks, The Disability Trust and CRRL. Late training at

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Bruce can allow the Score players to replicate the match conditions before they play at GIO Stadium. Better lighting assists their winter training which currently is curtailed by poor lighting conditions (many have poor visuals and depth awareness) and allows for continuity of training as routine is very important to our neuro-diverse community. The program will now be expanded to include a junior Score Raiders group.

Maximum 250 words

Upload Evidence for 1.4

No files have been uploaded

1.5 Will the project improve the quality, safety, or standard of sport / active recreation facilities available to the community, and if so, how? *

The improvement in lighting will definitely improve the quality, safety and standard of the facilities available to the community.

As mentioned previously, better lighting will allow more access to a superior facility due to being able to train in a better fashion for players, referees, neuro-diverse and also then to play more often in a better facility and surface.

Simply, better lighting will improve the training sessions on the field and also without the reservation that training could be curtailed at any time due to another tower failure or electrical outage all apart from the fact that the halogen lights are poor.

Supportive of this fact is that the ACT Government is transitioning to LED lighting for grounds and so the application for Bruce simply reflects the best practice currently.

As mentioned previously, a better load being taken by Bruce will reduce play and training load on ACT Government Enclosed and DPF grounds thereby giving a net return to the community in better ground facilities.

Maximum 250 words

Upload Evidence for 1.5

No files have been uploaded

1.6 How does the facility project align with key priorities within the applicant organisation's strategic plan? *

It will help us attract more people to our ever expanding Club with a safe & inclusive Culture by providing an opportunity to use the entire playing surface when we have over 120 Ladies & Gents at each training session.

Our U17's Girls & Boys, whilst officially aligned with our Junior Club, have been training with us periodically this past season. This will give us an opportunity to expand this practice & build a stronger bond before they join us in the following years, making a much higher transition rate from Juniors to Seniors.

By showcasing our upgraded Facility, we can promote the Game & ourselves which is an attractive asset in obtaining Support Sponsorship & funding to reinvest in our people & processes.

Maximum 250 words

1.7 Has your project received formal support from the relevant State Sporting or Active Recreation Peak Body? Also consider formal support from other user groups of the facility. *

Attached will be letters of support from the relevant State Sporting Peak Body, the Canberra

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Region Rugby League who have committed \$10,000 to the project.

The head lessee of the facility, the NSW Rugby league have also supplied a letter of support with a commitment of \$30,000

The Belconnen Sharks will also commit \$5,000 to the project making a total of \$45,000 for community contributions to the lights project.

Maximum 250 words

Mandatory Evidence for 1.7

Filename: 2 Eade st Lighting Support Doc CIT.pdf

File size: 150.8 kB

Filename: CRRL Letter of support Lights Bruce 2025.docx

File size: 61.4 kB

Filename: DT Letter for Bruce Light application.pdf

File size: 216.7 kB

Filename: email explanation for CIT letter (reuse of 2024 letter).msg

File size: 2.6 MB

Filename: NSWRL Letter of support.pdf

File size: 135.3 kB

MANDATORY EVIDENCE: For all projects with a total value of over \$250,000, a formal letter of support from the relevant Peak Body (not applicable if the applicant is the SSO).

1.8 How does the facility project align with key priorities within the in CBR Next Move Strategic Plan? *

Places and Spaces

Lights will increase the quality of the sport experience at the ground and increase its capacity to match play.

LED lighting is more efficient using less energy and last longer than Halogen which can reduce the carbon footprint and also better target lighting spill.

It will increase the utilisation rate at Bruce whilst potentially decreasing usage on ACT Government grounds or freeing up space for other users.

Participation and Performance

Increases in the Belconnen Sharks catchment of participation of both males and females will be enhanced by a better facility with lighting and senior and junior club engagement.

Performance pathways will be enhanced with better training and consistency of the product delivered with better lighting.

Referee performance and training will be enhanced with better conditions by better lighting.

Capability and Capacity

Better lighting will enhance the capability of coaches, trainers and referees officials to offer better training facilities and increase the capability of players and referees at all levels.

Welcoming and Inclusive Environments

Better facilities promote better reputation, pride and culture which will be utilised by the community rugby league.

Further development and expansion of female rugby league players which has been a focus

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

of the Sharks but also the performance areas through the Canberra raiders and CRRL.

Maintain and expand the Score raiders program where they are welcomed, have a better facility and are integrated into the rugby league family by being able to train and play in a good facility.

Please visit: <https://www.sport.act.gov.au/about-us/cbr-next-move>. Maximum 250 words

1.9 Which alternatives to the proposed project were considered and why were they rejected? *

The investment from the parties was focused on the Bruce ground due to the investment already made by both the NSWRL and Belconnen Sharks in the facility which was supported by the CRRL.

The CRRL had nominated the Bruce project in its priority response to the ACT Government in April 2023 as one of its top six projects.

Therefore any alternatives were not considered considering the amount of usage already at Bruce; the types of clubs, teams and organizations that use the facility and the historic usage of the ground as a rugby league venue made any alternatives not really viable.

Maximum 250 words

Upload Evidence for 1.9

No files have been uploaded

Focus area 2: Project Feasibility

Applicant Organisation to respond to the question and include any documentation / data / images which validates or strengthens their response. This supporting evidence may be supplied via weblink/s or attachment/s.

*Note: Where it is **mandatory** to provide evidence in support of a response, this has been stated.*

2.1 Has the organisation undertaken a feasibility study relating to the project? *

AEC Engineers conducted a feasibility study of all existing sports lighting including physical and electrical infrastructure to facilitate the proposed upgrade to new Semi-professional level L.E.D. sports lighting. Lighting calculations undertaken in accordance with Australian Standards assess any impact to surrounding residents and roads providing obtrusive light results within the maximum allowances of the Standard.

All results of the feasibility study including installation scope of works and associated cost plan are detailed in AEC Engineers document 1682-R1 Shark Park Sports Lighting Led Upgrade Infrastructure & Cost Plan Report, Revision C.

Maximum 250 words

Mandatory Evidence for 2.1

No files have been uploaded

MANDATORY EVIDENCE: A project feasibility study must be provided for all construction projects with a total budget over \$500,000.

2.2 Does the facility project involve partnerships which will result in shared use / multi-purpose use of the facility? *

Yes, the new lighting will enable a number of sporting organizations to engage in the usage.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Firstly, it will enable our Junior Sharks the opportunity to play their older grades (17's Girls, 16's & 17's Boys) on Friday evenings as their home ground. (This will also reduce usage at other facilities)

The ground can also be more consistently used by the following organizations:

Canberra Score Raiders

Monaro Representative squads

Canberra RL Referees

Junior Raiders Rep's training sessions

I have included a Letter of Support from CIT along with an email from Stephen French

Maximum 250 words

Mandatory Evidence for 2.2

Filename: 2 Eade st Lighting Support Doc CIT.pdf

File size: 150.8 kB

Filename: CRRL Letter of support Lights Bruce 2025.docx

File size: 61.4 kB

Filename: DT Letter for Bruce Light application.pdf

File size: 216.7 kB

Filename: email explanation for CIT letter (reuse of 2024 letter).msg

File size: 2.6 MB

Filename: NSWRL Letter of support.pdf

File size: 135.3 kB

MANDATORY EVIDENCE: A statement attached from partners regarding the nature of the shared use / multi-purpose facility project agreement is required for all shared use / multi-purpose facility projects.

2.3 Has the organisation applied a Life Cycle Cost Analysis process to the project?

Note: Life cycle costing is a key asset management tool that takes into account the whole of life implications of planning, acquiring, operating, maintaining and disposing of a facility related asset. *

No, however on the recommendation of AEC Engineers, please note the following points

- The existing system has reached it's end of life & all components will be recycled through local businesses

- New pylons would be expected to have a minimum life expectancy of 60-80 years with minimal maintenance

-Light fixtures will be good for between 50 000 to 75 000 hrs. Manufacturer's cleaning recommendation's are every 36months using soapy water & a suitable soft cloth

- The remaining infrastructure ie Electrical cabling & switches come with Manufacturer's & Installers standard industry warranties

Maximum 250 words

Mandatory Evidence for 2.3

No files have been uploaded

MANDATORY EVIDENCE: A lifecycle cost analysis must be provided for all construction projects with a budget over \$500,000.

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Focus area 3: Project Planning

Applicant Organisation to respond to the question and include any documentation / data / images which validates or strengthens their response. This supporting evidence may be supplied via weblink/s or attachment/s.

*Note: Where it is **mandatory** to provide evidence in support of a response, this has been stated.*

3.1 Does the applicant have a clear, detailed, and realistic project plan, which meets CSFP requirements regarding project commencement and completion dates, etc.? *

Yes. Please see attached the preliminary Program with a nominal commencement date. This would be amended on confirmation of our application to suit the approved commencement date.

Maximum 250 words

Mandatory Evidence for 3.1

Filename: 2 Eade St Lighting Program.pdf

File size: 683.1 kB

MANDATORY EVIDENCE: Examples could include (but may not be limited to) – feasibility study terms of reference / report, project management plan, design plans, evidence of landowner's consent, planning / building approvals, required statutory approvals, project budget, etc.

3.2 Does the applicant have a detailed project budget, which clearly identifies all project components that will be funded by the CSFP investment and any components to be funded by the applicant or other funding partner? *

Yes, please see attached our Budget along with supporting documents

Budget is broken into 4 main areas.

1. Prelims are expanded in the IQON Quote.

We will have a standard PM contract between IQON & BUSRLFC ensuring financial accountability, safety & project quality

2. EP Electrical will perform the works as per AEC Plans & specifications, also best practice, industry & Australian Standards.

We have conducted a Geotechnical survey & unfortunately the result was poor, leading to a move away from a standard 900 diameter pier. This is reflected in the Budget on lines 21 & 22 in reference to the EP Quote on Page 3 Item 2. So, add in Provisional sum (58k) & remove standard reinforced concrete piers (12.68k). Please see attached proposed & sufficient Pad & pedestal design.

3. Consultants, DA cost as listed, Geotechnical provided by Fortify see attached invoice(paid) & report.

AEC Engineers fee proposal & solid estimates for the Building Certifier & Site Engineer.

4. Co-contributors, totaling 45k these commitments are provided in Mandatory evidence item 1.7

Note: Co-investment from the application organisation towards the project is strongly encouraged and will be viewed favourably. Maximum 250 words

Mandatory Evidence for 3.2 (for projects over \$500,000)

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

No files have been uploaded

MANDATORY EVIDENCE: For capital works/construction projects valued at over \$500,000, applicants must provide an independent, detailed costings plan developed by a certified quantity surveyor.

Mandatory Evidence for 3.2 (for projects under \$500,000)

Filename: 2 Eade St Bruce - CSFP Budget.xlsx
File size: 13.2 kB

Filename: AEC Fee Proposal.JPG
File size: 94.8 kB

Filename: Fortify Geotech report 2025.pdf
File size: 2.1 MB

Filename: Fortify Invoice.pdf
File size: 99.0 kB

Filename: IQON -PM fee.pdf
File size: 133.1 kB

Filename: Pad & pedestal Design.pdf
File size: 154.0 kB

MANDATORY EVIDENCE: For projects valued under \$500,000, applicants could include (but may not be limited to) - Project budget; quotes for all project related work which include the name and description of the item(s) or service(s) to be purchased, the quantity and total cost of item(s) or service(s) to be purchased; and the supplier's business/company details (business name, Australian Business Number or website).

3.3 Do all facility related project plans (e.g. concept designs, architect plans, builder plans, etc.) meet Australian Design Standards, ACT Government facility planning requirements, any sport specific facility standards appropriate to the nature of the facility and environmentally sustainable design principles? *

Yes, AEC has designed the project to meet these requirements. DA has been approved & BA will consolidate the design proposal. Please see DA approved plans attached

Maximum 250 words

Mandatory Evidence for 3.3

Filename: 202544374 Block 4 Section 9 BRUCE -01 EVOENERGY GAS (63.7 KB).msg
File size: 85.0 kB

Filename: Evoenergy Application Decision. Application - 225678. Bruce - 49 (3.58 MB).msg
File size: 3.6 MB

Filename: LIGHTING-202544374-01.pdf
File size: 690.9 kB

Filename: LIGHTING-202544374-ELEVATION-01.pdf
File size: 672.4 kB

Filename: Network Protection Compliance submission assessment outcome 034302025 B...
(3.41 MB).msg
File size: 3.4 MB

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2) Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

Filename: NOTICE OF DECISION-202544374-SIGNED.pdf
File size: 997.2 kB

Filename: SITE-202544374-01.pdf
File size: 825.1 kB

MANDATORY EVIDENCE: Examples could include (but may not be limited to) - evidence of the project meeting key design and building standards as appropriate (e.g. Australian Standards for Facility Lighting, Female Friendly Changeroom Guidelines, specific sport design standards, etc).

3.4 Does the organisation have access to capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets; and if not, how will the organisation access the required expertise? *

We will rely on guidance from our nominated Project Manager - IQON and their team along with our Lighting Consultant Andrew Hill, Pat from EP Electrical who has a wealth of experience in this area.

Also, our **Sch 2.2(a)(ii)** who has held a B Class Builders license in the ACT since 1996 & completed a large & varying number of projects, will work closely with the Team to deliver a successful outcome for this very important project.

Maximum 250 words

Mandatory Evidence for 3.4

No files have been uploaded

MANDATORY EVIDENCE: Examples could include (but may not be limited to) - project management plan (inclusive of roles and responsibilities matrix), list of names, roles and qualifications of key project management personnel, names of firms being targeted to provide specific expertise, etc.

Project Specific Mandatory Evidence Checklist

Have you included the following project specific mandatory evidence items in your application, where relevant? (i.e. via an attachment or weblink)

- Question 1.1 - A formalised needs analysis process (e.g. Feasibility Study) is required to have been undertaken for projects over \$500,000.
- Question 1.6 - Current organisational strategic plan and current state level organisation strategic plan.
- Question 1.7 - For all projects with a total value of over \$250,000, a formal letter of support from the relevant State Sporting or Active Recreation Peak Body (not applicable if the applicant is the SSO).
- Question 2.1 - A project feasibility study must be provided for all projects with a total budget over \$500,000.
- Question 2.2 - A statement from partners regarding the nature of the shared use / multi-purpose facility project agreement is required for all shared use / multi-purpose facility projects.
- Question 2.3 - A lifecycle cost analysis must be provided for all projects with a budget over \$500,000.
- Question 3.1 - Clear, detailed, and realistic project plan.
- Question 3.2 - Detailed project budget.
- Question 3.2 - For capital works/construction projects valued at over \$500,000, applicants must provide an independent, detailed costings plan developed by a certified quantity surveyor

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

- Question 3.3 - Evidence that all facility related project plans meet Australian Design Standards, ACT Government facility planning requirements, and any sport specific facility standards.
- Question 3.4 - Evidence that the organisation has access to the capacity, expertise, and skills needed to deliver the project outcomes successfully, within stated timelines and budgets.

NOTE: Although an application may meet all of the above criteria, approval will depend on the number of applications received, the relative merit of the application, government priorities and available funds.

Certification and Feedback

*** indicates a required field**

Certification

I certify that:

- To the best of my knowledge the statements made within this application and the information provided is true and correct.
- I understand that Sport and Recreation is collecting information on this form and any other information I provide as part of my application to assess whether my organisation is eligible to receive funding under the 2026 Community Sport Facilities Program.
- I accept that Sport and Recreation may provide some or all of this information to other ACT Government agencies administering funding programs.
- I understand that information relating but not limited to this application may be used when assessing the eligibility of future investments for which my organisation might apply. If my organisation receives funding, the performance and acquittal of the investment may also be taken into consideration by the ACT Government when assessing future funding applications that are submitted by your organisation.
- I understand and accept that should the application be successful, I will be required to accept the terms and conditions of the investment as outlined in the Program Guidelines and Funding Deed.
- I understand and accept that the applicants contact details will be added to the Sport and Recreation e-newsletter distribution list.
- By submitting this application, I acknowledge that each individual referred to in the application is aware that the information relating to the organisation

2026 Community Sport Facilities Program (CSFP) (Construction) 2026 Community Sport Facilities Program (CSFP) Construction Application (Version 2 of 2)

Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club

Form Submitted 17 Oct 2025, 7:46PM AEDT

may be disclosed and used. I give consent for the Chief Minister, Treasury and Economic Development Directorate (CMTEDD) to use and publish photographic images and audio-visual recordings (the Material) of the project in this application for informational and promotional purposes. These include:

1. CMTEDD promotional material and reports;
2. External and educational publications;
3. The Sport and Recreation website; and
4. Social media.

Certification *

- Yes, I have read and agree to the above conditions.
 No

Name *

Position with the
organisation *

Day-time phone
number / mobile number
*

Email *

Must be an email address.

Date *

16/10/2025
Must be a date.

Privacy Notice

In compliance with the *Information Privacy Act 2014 (the Act)*, personal information on this form may be stored in CMTEDD's records database and may also be used for statistical research, information provision and evaluation of services. Your personal information may be disclosed to other agencies and third parties for purposes related to this application and/or monitoring compliance with the Act. Additional requirements outside of the provisions referenced above, personal or commercial information will only be disclosed to third parties with your consent unless otherwise required or authorised by law.

You are now coming to the end of your application process. Please **REVIEW** your application to ensure you have included all the information required and then click **SUBMIT**. Once submitted, it will not be able to be retrieved to edit.

Feedback Please take a few moments to provide some feedback. We value any feedback you may have regarding our online grants application process.

How did you find out about the 2026 Community Sport Facilities Program (CSFP)?

- Social Media i.e Facebook or Twitter
 Word of mouth

**2026 Community Sport Facilities Program (CSFP) (Construction)
2026 Community Sport Facilities Program (CSFP) Construction
Application (Version 2 of 2)**

**Application No. 2026CSFPc00002 From Belconnen United Sharks Rugby
League Football Club**

Form Submitted 17 Oct 2025, 7:46PM AEDT

- Internet browser
- Email
- Information session
- Website
- Other:

Please indicate how you found the online application process.

- Very easy
- Easy
- Neither
- Difficult
- Very difficult

How much time did it take you to complete this application?

20hrs

Do you have any recommendations and/or advice that could improve the application process?

From: Sch 2.2(a)(ii)
Sent: 11/09/2025 2:19 PM
To: "AC, EPD Customer Services" <ACEPDCustomerServices@act.gov.au>
Subject: 202544374 Block 4 Section 9 BRUCE -01 EVOENERGY GAS

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hello,

Jemena has reviewed the location of the Development Application and the documentation provided.

Please note that all works must comply with the ACT Government regulations and Development/Building Approvals, as detailed here:

<https://www.legislation.act.gov.au/View/a/2010-41/current/html/2010-41.html>

Jemena has no objection to this Development Application, provided it meets these requirements.

It is noted that there is a gas network in the vicinity; therefore, all care must be taken around our underground assets. Please ensure the appropriate Before You Dig Australia (BYDA) processes are followed during the construction process.

If a meter relocation or service pipe relocation is required, you must comply with Evoenergy standards. Please contact your gas retailer to lodge your inquiry. Only personnel accredited by Evoenergy are authorised to carry out this work.

Thank you.
Kind Regards

Sch 2.2(a)(ii)

Residential, Commercial, Medium Density/High Rise.

Jemena

5-7 Johns Street Hume ACT 2620

Office: 02) 98678784

Sch 2.2(a)(ii) @jemena.com.au | www.jemena.com.au



This is a confidential message intended for the named recipient(s) only. The contents herein are privileged to the sender and the use thereof is restricted to the intended purpose. If you have received this e-mail in error, please do not use, disclose, distribute, copy, print or relay on this email. If receipt is in error, please advise the sender by reply email. Thank you.

RE: Bruce lighting

Reply Reply All Forward ...

Mon 01-9-25 9:13 AM

AH

Sch 2.2(a)(ii)



Invoice_1682DC01_Shark Park Sports Lighting Upgrade Design & Construction Phase Task Claim 1.pdf
92 KB

Hello Sch 2.2(a)(ii),

Please find attached AEC Engineers Invoice 1682DC01 for Shark Park sports lighting upgrade design and installation consultancy tasks. AEC Engineers works for D.A., procurement, installation documentation and construction phase inspections and commissioning of Lighting and control systems in accordance with AEC Engineers Fee Proposed Sch 2.2(a)(xi) in Report 1682-R1 Revision C, Table 3.01, Item 11.

We break-up the Design and Installation Documentation and Construction Phase tasks in accordance with our Report Cost Estimate notes on file as follows:

Shark Park Design and Documentation Phase Fee Breakup - Sch 2.2(a)(xi)
Shark Park Construction Phase Services Fee Breakup -

This Claim 1 is for 35% Design and Installation Documentation.

If you have any queries please contact this office.

Kind regards,
Sch 2.2(a)(ii)

AEC Design & Consulting
Engineers

Sch 2.2(a)(xi)

P.O. Box 503
Mawson ACT 2607



5 September 2025

Sch 2.2(a)(ii)

Re: Lighting Upgrade – 2 Eade Street BRUCE ACT

The Canberra Region Rugby League (CRRL) continues to support the application by the Belconnen United Sharks RLFC for a grant to refurbish the lights at 2 Eade Street BRUCE ACT at the facility known as the New South Wales Rugby League HQ, to a match play standard.

The CRRL has a long history at the facility from its previous residence there along with the Canberra Raiders and is supportive of the Belconnen Sharks desire to further improve the facility with extra investment.

The Bruce facility continues to provide the Belconnen Sharks a permanent home base which the club has actively invested in and improved the facility. The senior club has grown in that time to now have three male and two female teams and the club has invested in making the facilities more female friendly as well as improving the spectator experience.

The Sharks have worked hard with their junior club which is now the largest in the CRRL and a superior facility such as Bruce will be aspirational for the young female and male rugby league players coming through. As you know, the Belconnen Sharks juniors now have 589 participants of which 220 are females; the first junior club to break 200 female participants.

With the number of females using the facility currently, and the pipeline going forward, better lighting will not only ensure a better and more stable training experience but also will provide extra safety for more female athletes that the club will have as the juniors graduate to the senior grades.

The better lighting will allow more junior match play which will assist both male and female athletes and most importantly tie them to the club and a new, superior, home base.

Lighting at the facility currently is dated and unreliable with the lights “cutting out” midway through training sessions and having to be reset. Poor lighting also provides a risk factor not only on field but also in the surrounding areas where the safety of people, especially women, is of paramount importance to rugby league.

Apart from the five Sharks teams that train and play at the facility, the Bruce facility continues to serve as the training base for the Canberra District Rugby League Referees Association, the Monaro, Riverina and Canberra Raiders junior representative male and female teams and especially for the Score Raiders team who are attached to The Disability Trust (TDT). The Score Raiders program consistently has more than 40 players with neuro-diverse backgrounds who wish to play rugby league. This program has been so successful that the CRRL, again in partnership with TDT, now runs the program as part of its junior league draws in a specifically modified competition with junior teams which integrates the Score Raiders but provides important education and life lessons to young under 14 and 15 rugby league players.

Improved lighting at the facility to at least 200 lux will also allow the CRRL to schedule matches at the ground, especially in the older junior age groups which will:

- 1) Take the pressure off other ACT Government facilities that are currently used.
- 2) Provide for this vital age group a positive playing experience at a superior facility and would be an integral part of the strategy to have juniors aligned to the senior club.

To support the Belconnen Sharks grant application, the CRRL continues to commit Sch 2.2(a)(xi) directly to the project and also in-kind contributions to provide the project with success.

Thank you for considering the Belconnen Sharks application for match play lighting.

Yours Faithfully

Sch 2.2(a)(ii)

Canberra Region Rugby League

To whom it may concern,

This is a letter of support for The Belconnen Sharks (as lead applicant) along with NSWRL and the Canberra Region Rugby League that are applying for facilities grant for Bruce from the ACT Government to improve the on-ground lighting at the oval to make it more reliable and also to bring it up to match play lighting specifications.

The Disability Trust run their Score Raiders Rugby program at this field and suitable lighting is important during the winter months. We support a varied range of disabilities in the program some with vision concerns, so we fully support and appreciate the work being done at this field to ensure it is suitable for all ability players.

I would also like to add our appreciation for the ongoing support from all the Rugby League community.

If you require any further information, please don't hesitate to contact me.

Regards

Sch 2.2(a)(ii)

E.P Electrical Services P/L

PO Box 421 Hall ACT 2618

Sch 2.2(a)(xi)

ACN105085596 ABN 65522750044

24 September, 2025

SHARK PARK OVAL SPORTS LIGHTING NEW INSTALLATION

Re – EAED STREET BRUCE, A.C.T.

Dear Sir or Madam:

Prepared as per AEC CONSULTING GROUP RFT DWG set 1682

QUOTATION FOR THE SUPPLY OF THE FOLLOWING WORKS

SWITCH BOARDS AND CONTROLS

- Modifications to existing P.O.E./M.S.B.
- Supply and installation of lighting control panel

CONTROLS AND AUTOMATION

- Supply and install user interface and lighting supplier controls, include testing and commissioning.

EXCAVATIONS LIGHTING SUBCIRCUITS

- Supply excavations, backfill and compaction to electrical underground service trenches.
- Excavate pile foundations, install foundation cages and concrete to Structural Engineer and Geo Technical site specific specifications.
- Supply and install pits, conduits and lighting column sub mains
- Restoration include reseeding to affected areas.

POLES, LIGHT FITTINGS AND CROSSARMS

- Supply delivered to site foundation cages, poles, crossarms and light fittings, include lifting for unloading and storage.
- Construct and wire columns.
- Install columns, include crainage and ground protection as required to satisfy site specific engineered solution lifting plan.

- Install and aim LED light fittings to consultant and manufacturers directions, includes elevated work platform hire.
- Demolish to ground level existing lighting columns and remove for recycling

TESTING, COMMISSIONING AND HAND OVER DOCUMENTATION

- Complete testing and energise lighting controls.
- Conduct live automation testing and commission to clients requirements.
- Supply as installed documentation and drawings detailing services locations, programmed and preventative maintenance and system programming instructions.
- Include supply 12 month defect liability and maintenance period.

SCOPE ITEM	COST	NOTES	OPTIONS
SWITCH BOARDS AND CONTROLS	Sch 2.2(a)(xi)	Custom Board Manufacturer EMU Energy	Not Required
CONTROLS AND AUTOMATION		Finder relays and switch gear, Challenger integration	As per Consultant spec
EXCAVATIONS LIGHTING SUBCIRCUITS		E.P Electrical Service	Not Required
POLES, LIGHT FITTINGS & CROSSARMS Includes foundation cages and crossarms		Poles - International Poles Light Fittings – AAA Area Lux	See below the line options at the end of this Quotation
TEST, COMMISSION & HANDOVER DOCS		E.P Electrical Service	Not Required
TOTAL			

TOTAL

G.S.T.

TOTAL INC. G.S.T.

Sch 2.2(a)(xi)



OPTIONS

Poles, cross arms and standard foundation cages

1. *International Poles*
2. *Ingal EPS*
3. *Haymans*

Sch 2.2(a)(xi)

Light Fittings and Local Network Automation

1. *AAA Area Lux*
2. *Raptor -Sylvania*

Sch 2.2(a)(xi)

Foundations

1. *Standard Foundation Cage*
2. *Custom Foundation cage for poor soil*

Sch 2.2(a)(xi)

From: "basubmission_electricity@Evoenergy.com.au"
<basubmission_electricity@Evoenergy.com.au>
Sent: 23/09/2025 12:12 PM
To: "AC, EPD Customer Services" <ACEPDCustomerServices@act.gov.au>
Subject: Evoenergy Application Decision. Application - 225678. Bruce - 4/9
Attachments: Conditional Approval Electricity225678.pdf, LIGHTING-202544374-01.pdf, LIGHTING-202544374-02.pdf, LIGHTING-202544374-03.pdf, LIGHTING-202544374-04.pdf, LIGHTING-202544374-ELEVATION-01.pdf, PLAN-202544374-SWITCHBOARD DETAIL-01.pdf, SITE-202544374-01.pdf, 3832-018.pdf

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Evoenergy

Approval ID : 225678, Bruce 4 /9

Please note that your application has been assessed for compliance with Evoenergy's Electricity Network and conditionally complies with our Electricity Networks requirements.

Please find attached, your stamped plans together with a conditional statement of compliance.

Separate compliance statements may be required from other entities.

Regards

Sch 2.2(a)(ii)

[Evoenergy](#)

Sch 2.2(a)(xi)

GPO Box 366 Canberra ACT 2601

www.evoenergy.com.au

Please consider our environment before printing this email.

PLEASE NOTE This email and any attachments may be confidential. If received in error, please delete all copies and advise the sender. The reproduction or dissemination of this email or its attachments is prohibited without the consent of the sender.

WARNING RE VIRUSES: Our computer systems sweep outgoing email to guard against viruses, but no warranty is given that this email or its attachments are virus free. Before opening or using attachments, please check for viruses. Our liability is limited to the re-supply of any affected attachments.



Electricity Networks

STATEMENT OF

CONDITIONAL COMPLIANCE

Application No: 225678 **Suburb:** Bruce

Block/Section 4 / 9

Appcn Type: Non residential/Addition Inclusions : Alteration/Addition

Attached Plans

LIGHTING-202544374-01.pdf

LIGHTING-202544374-02.pdf

LIGHTING-202544374-03.pdf

LIGHTING-202544374-04.pdf

LIGHTING-202544374-ELEVATION-01.pdf

PLAN-202544374-SWITCHBOARD DETAIL-01.pdf

SITE-202544374-01.pdf

This application is approved subject to compliance with the following conditions:

Conditions

A Minimum of 1.0M clearance is required within the block boundary for the proposed or existing Meter Box.

Development is to comply with minimum 1.5m machinery access clear of obstacles and vegetation to assets within the block.

Development is to comply with minimum separation requirements to underground assets. Ref Evoenergy Drawing 3832-018

Proponent is required to submit an "Application for Electricity Network Connection or Alteration form via: <https://www.evoenergy.com.au/Forms/ElecConnectionOrAlteration> prior to commencement of any development activity to negotiate the connection of new and/or relocation of existing electricity assets.

Proposed and existing development is to comply with minimum 1.5m machinery access clear of obstacles and vegetation to assets within or adjacent to the block. The development must maintain existing access arrangements to Evoenergy assets that located within or adjacent to the block at all time.

- No development activity shall be undertaken
 - a) within an electricity easement or,
 - b) that restricts access to Evoenergy asset/s

The location of the proposed or existing Point of Entry/ Meter Box is to comply with Evoenergy's Service and Installation rules.

Please Note

- **WARNING** Evoenergy underground assets may be in or adjacent to this block. It is your responsibility to ascertain the location of such assets.
- Development and Building Applications will need to include any proposed Evoenergy works
- If Evoenergy approval conditions are not met, a breach of the law may result.
- Separate applications are required for water & sewerage, and communication network services.
- Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy 's electricity network.
- Any attached reticulation or servicing plan is preliminary only. Contact Evoenergy for final plans prior to the commencement of any construction activity.
- A failure of this application to show accurately located electricity assets may result in damage and costs for which the proponent will be liable. Damage to network assets must be reported to Evoenergy.

Comments:

Signed

[Redacted Signature]

Date

23 Sep 2025

For further information please phone Evoenergy Electricity Network

Evoenergy Gas Networks:

[Redacted Contact Information]

NOTE: PRELIMINARY DESIGN ONLY

Application Number
225678
This design is subject to site verification of boundaries, pole positions and heights.

Sheet
1 of 8
Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

TECHNICAL INFORMATION

- * LM79 Intensity distribution source acc. To DEKRA measurement report 2174481-PHO 14-204
- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

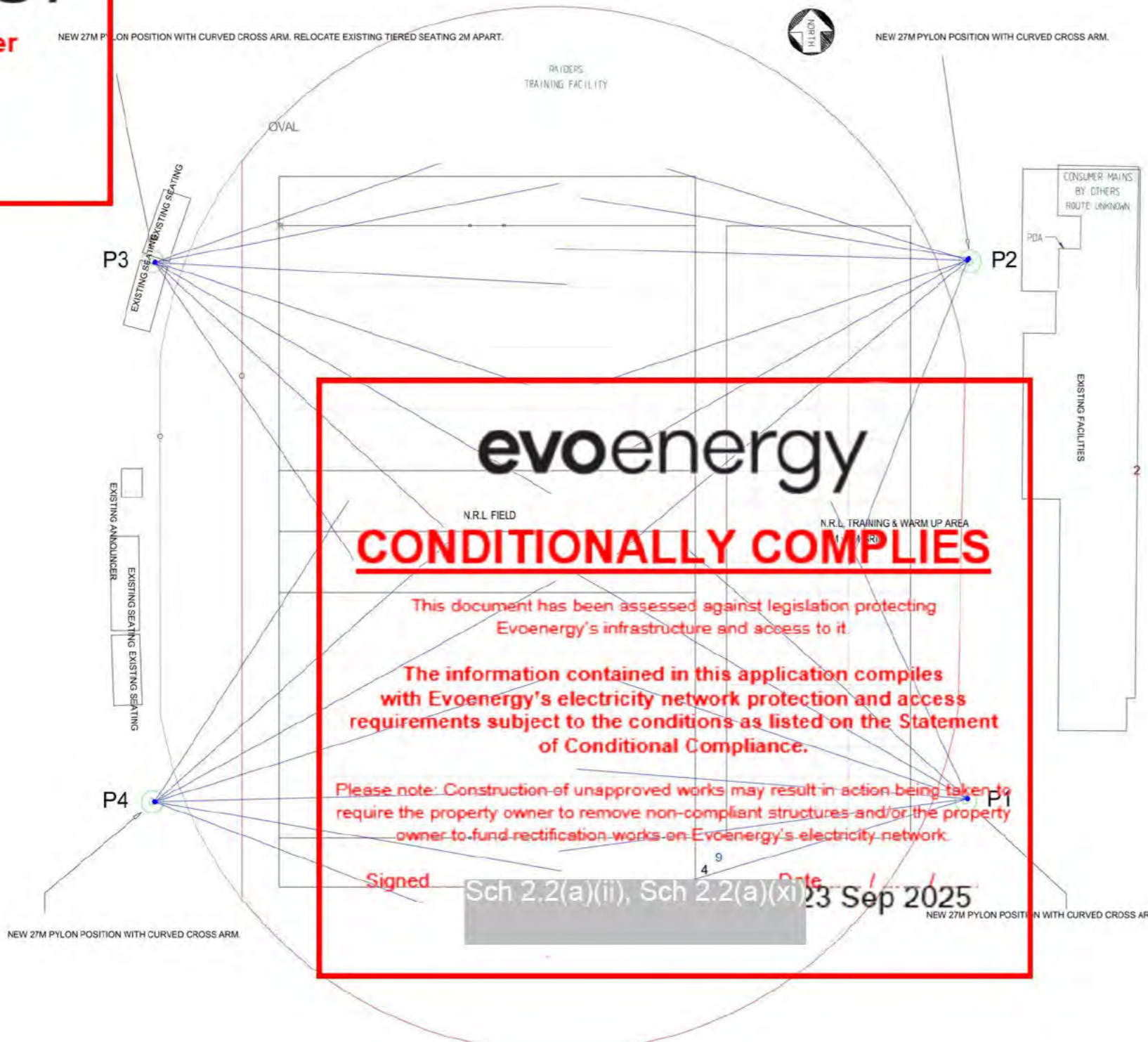
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2:1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



evoenergy
CONDITIONALLY COMPLIES

This document has been assessed against legislation protecting Evoenergy's infrastructure and access to it.

The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

Signed [Redacted] Date 23 Sep 2025
Sch 2.2(a)(ii), Sch 2.2(a)(xi)

PROPOSED SPORTS AAA-LUX LED LIGHTING

4 X NEW POLES. LOCATIONS INDICATIVE FOR PRELIM. DESIGN PURPOSES ONLY.

LUMINAIRE MOUNTING HEIGHTS @ 27MTRS AGL.

CROSS ARM ARRANGEMENT TO SUIT 7 X AAA-LUX LUMINAIRES PER POLE.

DIMENSIONS OF FIELDS AND POLE LOCATIONS ARE AS PER .DWG DRAWING PROVIDED.

Luminaire Schedule							
Symbol	Qty	Label	Description	LLF	Luminaire Watts	Total Watts	Mounting Height
□	28	WS2707 LS	AAA-LUX WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC	0.850	1550	43400	27.2

NOT FOR CONSTRUCTION



ADDRESSEE:
**PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)**

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground, Bruce ACT 2617

Drawing Title:
PROPOSED NEW LIGHTING
TRAINING GROUNDS 200LUX

DISCLAIMER AND TO BE READ IN CONJUNCTION WITH ALL RELEVANT REGULATIONS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.
AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONSTRUCTION OR ASSEMBLY PURPOSES. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED FOR CONSTRUCTION AND APPROVED FOR ISSUE.
This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of use by the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever for any third party acting out of any use or reliance by third party on the content of this document.
Lighting calculations are subject to the assumptions & information furnished with THESE 'NOT FOR CONSTRUCTION' DRAWINGS.
This drawing is provided in printed and/or digital form as part of a contract agreement with the client named within. The electronic results shown have been generated by the software listed in the software list and are subject to the accuracy & limitations including variation in the dimensions & tolerances, surface finish, luminaire performance, mounting height, atmospheric conditions, luminaire lamp angle, lighting design software, electrical supply & installation conditions.
Disclaimer - This design is made for guiding and information purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.
© AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008

DATE:
01.11.2021

SHEET: **A3** SCALE: AS SHOWN

LIGHTING ENGINEER
SK M IES

SHEET
1

NOTE: PRELIMINARY DESIGN ONLY

Application Number 225678
 This design is subject to site verification of boundaries, pole positions and heights.

Sheet 2 of 8
 Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA

TECHNICAL INFORMATION

- * LM79 Intensity distribution source acc. To DEKRA measurement report 2174481-PHO 14-204
- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

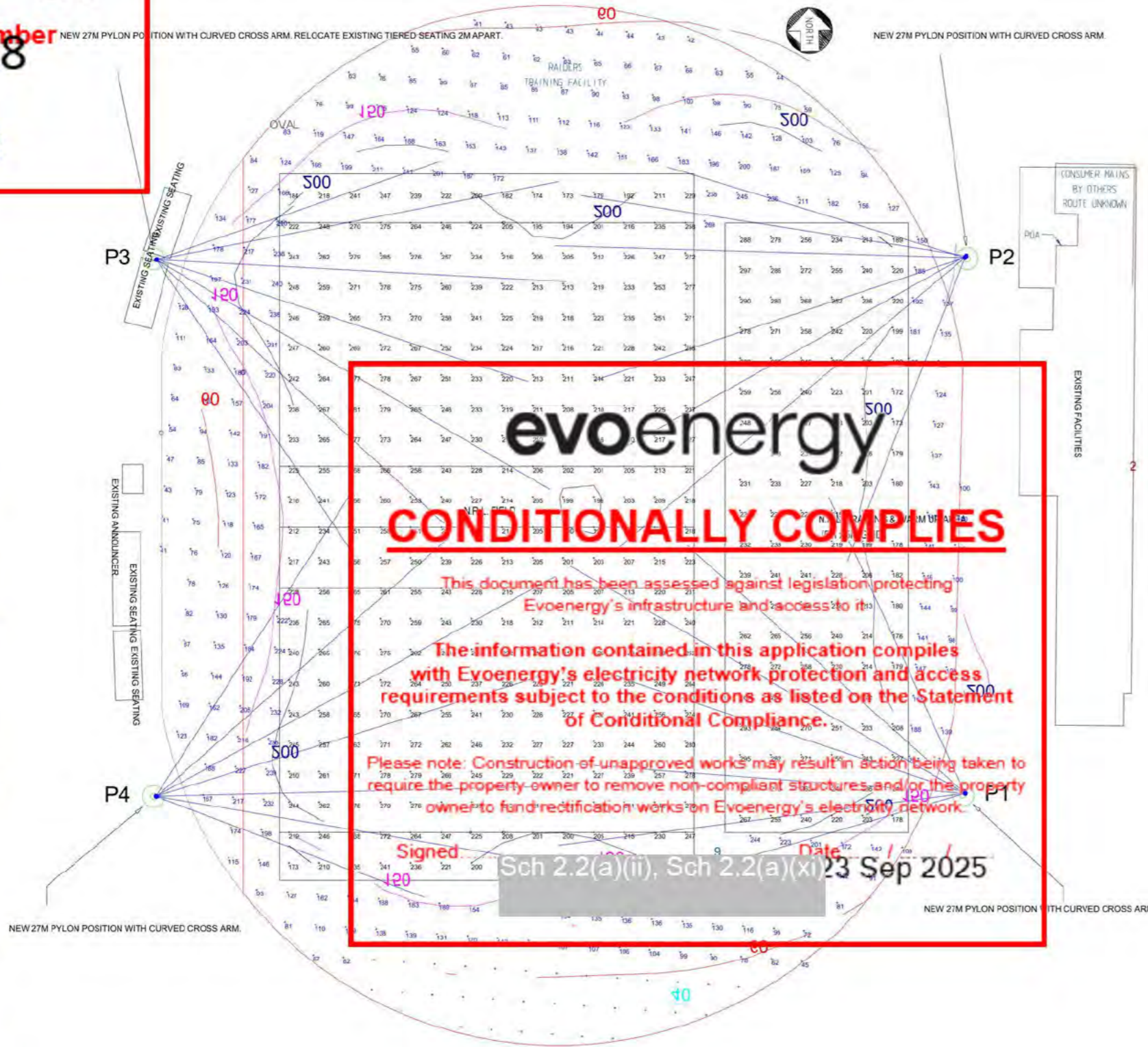
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2:1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

SPORTS LIGHTING ENGINEERING NOTES -

THIS SPORTS LIGHTING ASSESSMENT IS BASED ON THE LIGHT TECHNICAL PARAMETERS AND GUIDELINES FROM AUSTRALIAN STANDARD AS2560.2:2021, "SPORTS LIGHTING PART 2 SPECIFIC APPLICATIONS".

PRELIMINARY DESIGN UNDERTAKEN TO SUIT SECTION 2.6, FOOTBALL (ALL CODES) - SEMI PROFESSIONAL LEVEL - SEMI PROFESSIONAL COMPETITION - LIGHTING SPECIFICATIONS:

- DESIGN OF LIGHTING TO ACHIEVE 200 LUX
- U1 Min/Ave - 0.60
- U2 Min/Max - 0.40
- Maximum Glare Rating - 50
- UG - MAX - 1.67

DESIGN MEETS AND EXCEED THE REQUIREMENTS AS PER THE STANDARD - REFER TABLE BELOW.

SYSTEM CAN BE PROGRAMMED TO SUIT LOWER LEVELS OF PLAY.

THE DESIGN CALCULATIONS USE A CONSERVATIVE MAINTENANCE FACTOR OF 0.85 BASED ON THE BELOW QUANTIFICATION.

- LDD = 0.87 BASED ON IP6*, MEDIUM POLLUTION , 36MTH CLEANING CYCLE AS PER AS2560.1-2002 TABLE 4.1)
- LLD = 0.96 (TM-21 CALCULATION PERFORMED WITH THE LM80 MEASURED DATA TO EXTRAPOLATE THE LP. TM21 TEST REPORT STANDARD OPERATION 85 DEGREES AT 20,000HRS OF USE)

ALL ILLUMINANCE VALUES SHOULD BE MULTIPLIED BY THE MAINTENANCE FACTORS FOR MAINTAINED VALUES.

CALCULATIONS ARE SUBJECT TO ACCURACIES AND TOLERANCES NOMINATED IN AUSTRALIAN AND NEW ZEALAND STANDARDS AS/NZS 3827.1:1998 AND AS/NZS 3827.2:1998. THE DESIGN RESULTS ARE BASED ON PHOTOMETRIC DATA AND .IES FILES PROVIDED BY THE MANUFACTURER. SOFTWARE USED IN THE DESIGN IS AGI32 V21.2

DISCLAIMER
 THIS CALCULATION AS AN ESTIMATE OF EXPECTED LIGHTING LEVELS. FOR ACCURACY - PRIOR TO INSTALLATION, ALL CALCULATIONS SHOULD BE CONFIRMED WITH ACCURATE SITE MEASUREMENTS, A SURVEYED CAD DRAWING WITH RELEVANT FIELD MARKINGS AND SURROUNDING RESIDENTIAL BOUNDARIES. THE DESIGN PROVIDED IS FOR INFORMATION ONLY TO ASSIST THE CLIENT IN OBTAINING NEW LIGHTING TO THE SITE AS INDICATED.

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	UG
Eh Rugby Field	Illuminance	Lux	235.85	285	173	0.73	0.61	1.27
Eh Training and Warm Up	Illuminance	Lux	236.40	297	172	0.73	0.58	1.23
GLARE - Maximum on Either Field	Glare Rating	N.A.	N.A.	48	10	N.A.	N.A.	N.A.

evoenergy

CONDITIONALLY COMPLIES

This document has been assessed against legislation protecting Evoenergy's infrastructure and access to it.

The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

Signed: _____ Date: 23 Sep 2025

Sch 2.2(a)(ii), Sch 2.2(a)(xi)

NOT FOR CONSTRUCTION



ADDRESSEE:
 PO Box 304
 Paddington
 QLD 4064
 p:1300 AAALUX
 (1300 222 589)

PROJECT:
 20211008_Belconnen Sharks
 RLFC_Canberra Raiders Training
 Ground , Bruce ACT 2617

Drawing Title:
**LUX PLOT
 CALCULATIONS.**
**TRAINING GROUNDS
 200LUX**

DISCLAIMER AND TO BE READ IN CONJUNCTION WITH ALL SUPPLEMENTARY DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.
 AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONTENT OR ANY OTHER SYSTEMS. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED FOR CONSTRUCTION AND APPROVED FOR ISSUE.
 This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
 This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of the user for the site shown. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever for any third party acting out of any site or reliance by third party on the content of this document.
 Lighting calculations are subject to measurement & installation accordance with IESNA 9007 (1998) & AS/NZS 3827.1:1998.
 This drawing is intended to be used as part of a contract for agreement with the client named within. The photometric results shown have been generated by the software AGI32 V21.2 and are subject to the accuracy & tolerances including variation in the dimensions & characteristics of the luminaires, luminaire positioning, ambient temperature, atmospheric conditions, luminaire lamp output, lighting design software, electrical supply & installation conditions.
 Disclaimer - This design is also for quoting and information purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.
 © AAA-LUX LIGHTING. All Rights Reserved.

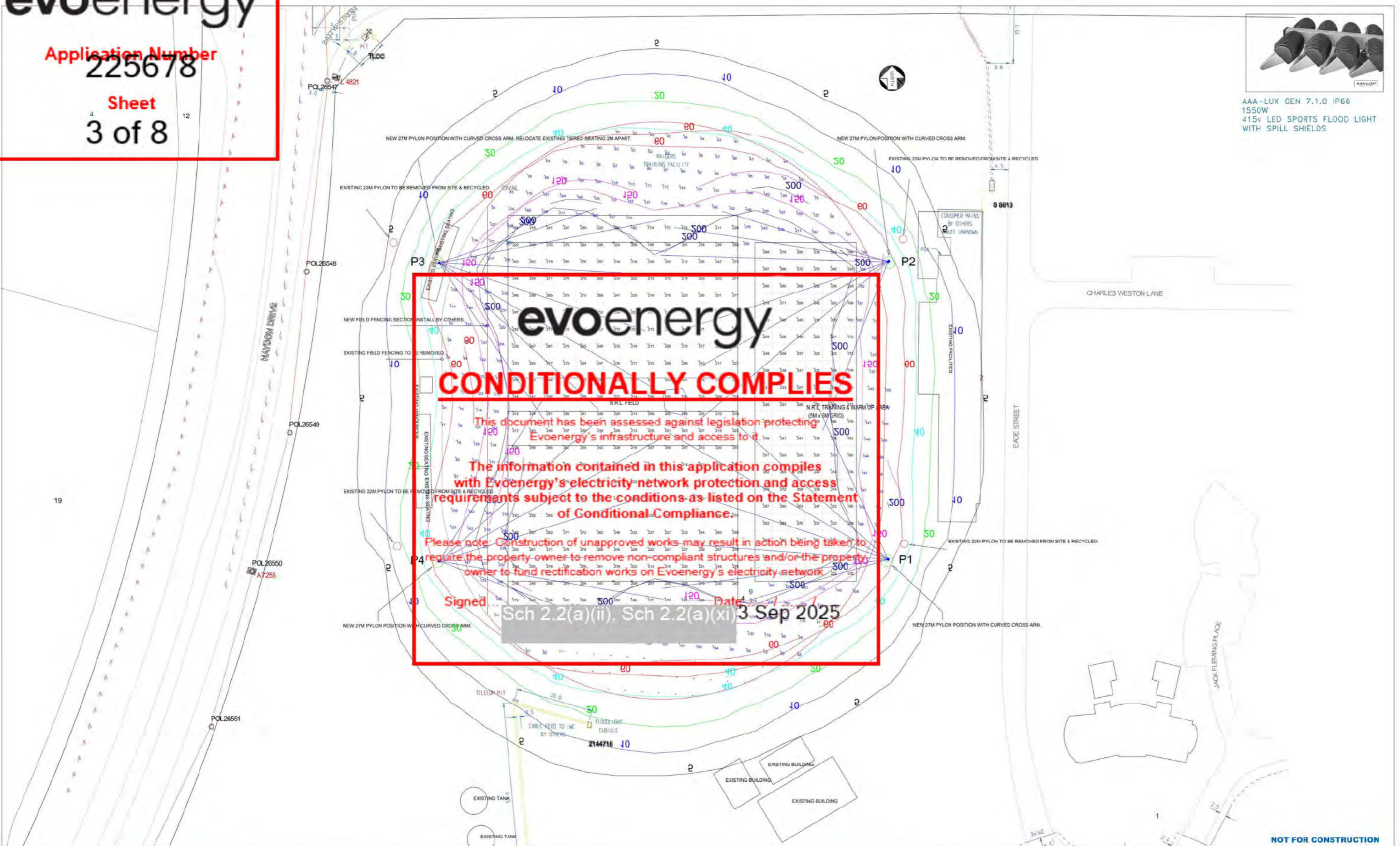
Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008
 DATE:
01.11.2021
 SHEET: **A3** SCALE: AS SHOWN
 LIGHTING ENGINEER
 SK M.I.E'S

SHEET
2



AAA-LUX GEN 7.1.0 IP66
1550W
415v LED SPORTS FLOOD LIGHT
WITH SPILL SHIELDS



evoenergy

CONDITIONALLY COMPLIES

This document has been assessed against legislation protecting Evoenergy's infrastructure and access to it

The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

Signed: [Signature] Date: 3 Sep 2025
Sch 2.2(a)(ii), Sch 2.2(a)(xi)

NOT FOR CONSTRUCTION



ADDRESSEE:
PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground, Bruce ACT 2617

Drawing Title:
ISOLUX PLOT

DESIGNED AND TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONSTRUCTION OR OTHERWISE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DOCUMENT. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.

This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.

This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of the user and is not to be used for any other purpose. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Lighting calculations are subject to the accuracy & tolerance accordance with AS/NZS 1627:17:2016 & AS/NZS 1627.2:2016.

This drawing/plan is provided as part of a contractual agreement with the client named within. The information shown is shown as generated by the software AS/12 V10 and may not reflect the actual conditions on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility for the accuracy of the information or the performance of any design whatsoever.

AAA-LUX LIGHTING AUSTRALIA

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT NO:
20211008

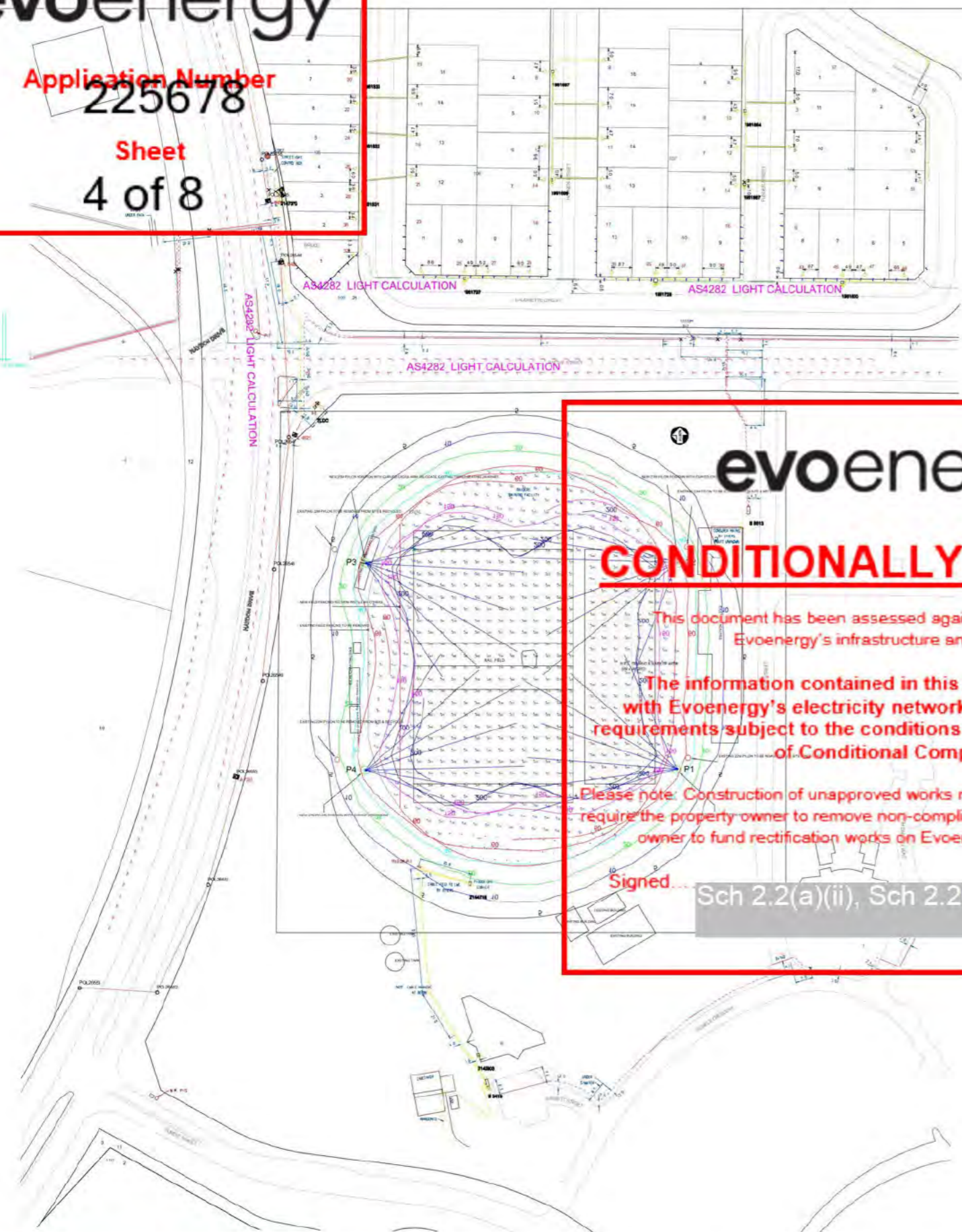
DATE:
01.11.2021

SHEET:
A3

SCALE:
AS SHOWN

LIGHTING ENGINEER
SK M.I.E'S

SHEET
3



evoenergy

CONDITIONALLY COMPLIES

This document has been assessed against legislation protecting Evoenergy's infrastructure and access to it.

The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

Signed: _____ Date: 3 Sep 2024

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
 Filename: Belconnen Shark Park 20Lux Design - Canberra Raiders Training
 Ground - Compliance Achieved - LLF = 1
 30/01/2024 10:27:42 AM

Illuminance
 Maximum Allowable Value: 10 Lux

Calculations Tested (12):

Calculation Label	Test Results	Max. Illum.
OL - RES BAUDINETTE CIRCUIT_1_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_1_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg4	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg2	PASS	1
OL - RES BAUDINETTE CIRCUIT_3_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg3	PASS	0

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (12):

Calculation Label	Test Results
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg4	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg3	PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (4):

Calculation Label	Adaptation Luminance	Test Results
OL - TI - BATTYE ST WEST	10	PASS
OL - TI - BATTYE ST EAST	10	PASS
OL - TI - HAYDON DR STH	10	PASS
OL - TI - HAYDON DR NTH	10	PASS

Upward Waste Light Ratio (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.0 %
 Test Results: **PASS**

AS/NZS 4282:2023, A3 - MED DISTRICT BRIGHTNESS - Non-Curfew L1

MAX. VERTICAL ILLUMINATION = 10LUX

VERTICAL LUMINOUS INTENSITY = 12 500cd

CALCULATIONS ARE UNDERTAKEN AT A LLF OF 1 AS PER THE STANDARD AS4282:2023.

THE DESIGN HAS DEMONSTRATED THAT THE RESULTS WILL HAVE THE LEAST IMPACT ON LOCAL AND VISITING RESIDENTS, TRANSPORT SYSTEM USERS, SKY GLOW AND WILDLIFE.

THE DESIGN RESULTS ARE BASED ON PHOTOMETRIC DATA AND .IES FILES PROVIDED BY THE MANUFACTURER. SOFTWARE USED IN THE DESIGN IS AGI32 V21.2

NOT FOR CONSTRUCTION



ADDRESSEE:
 PO Box 304
 Paddington
 QLD 4064
 p:1300 AAALUX
 (1300 222 589)

PROJECT:
 20211008_Belconnen Sharks
 RLFC_Canberra Raiders Training
 Ground, Bruce ACT 2617

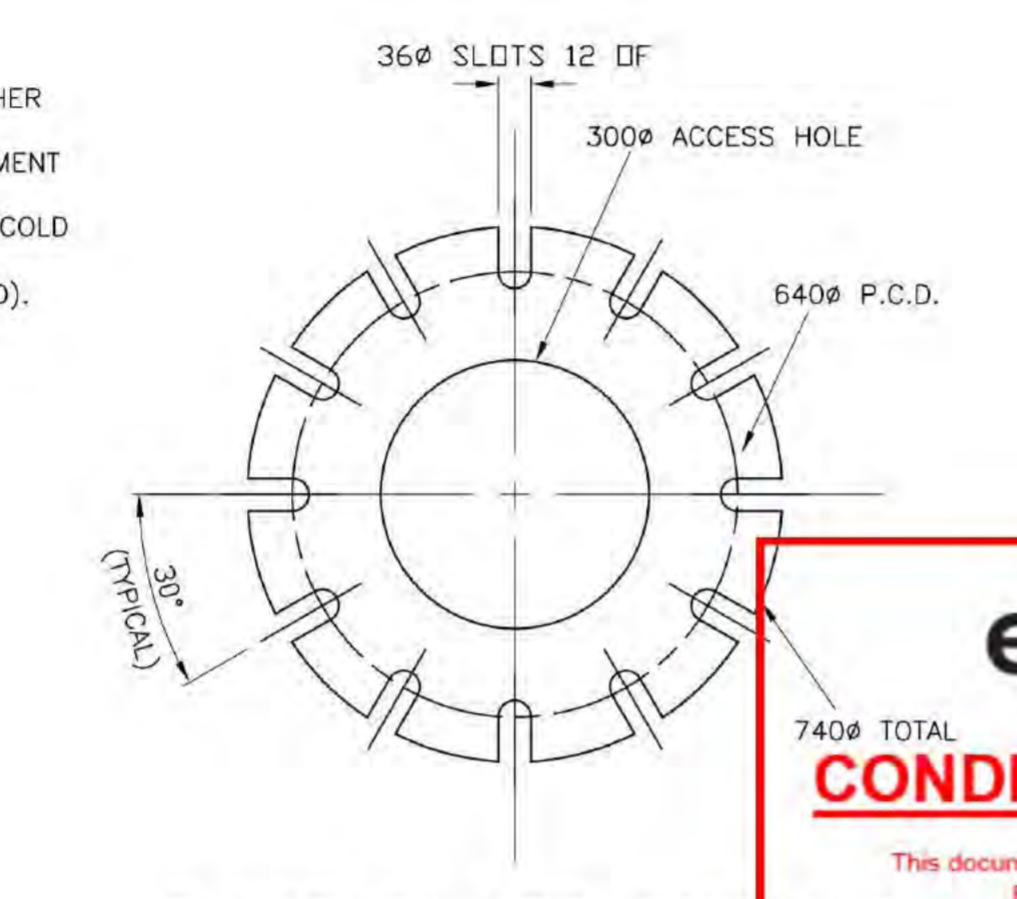
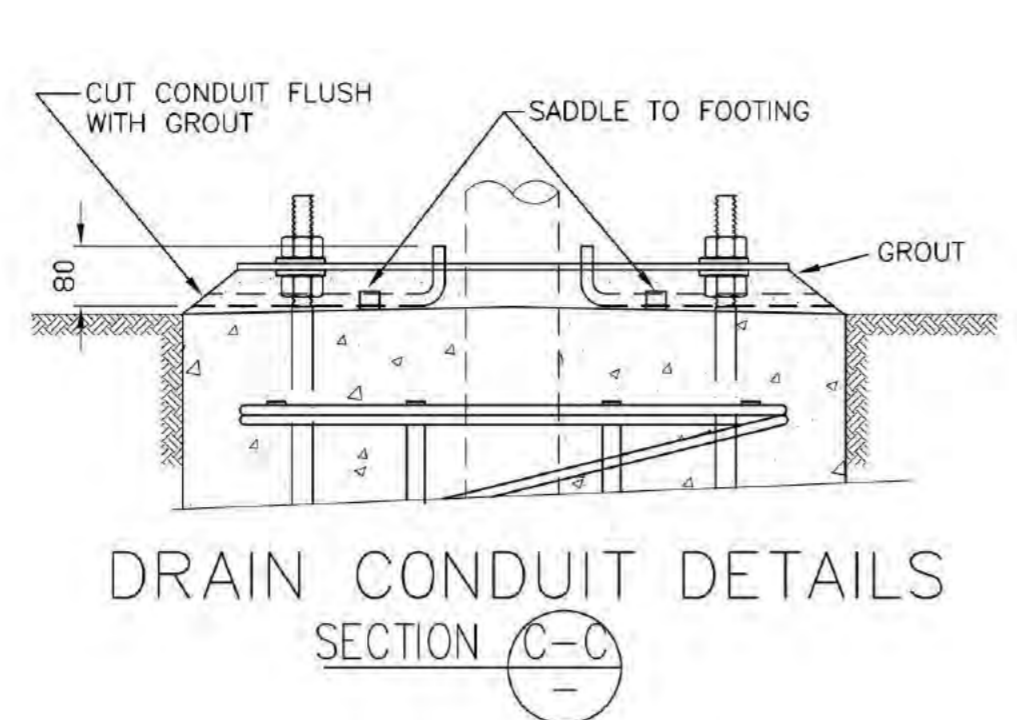
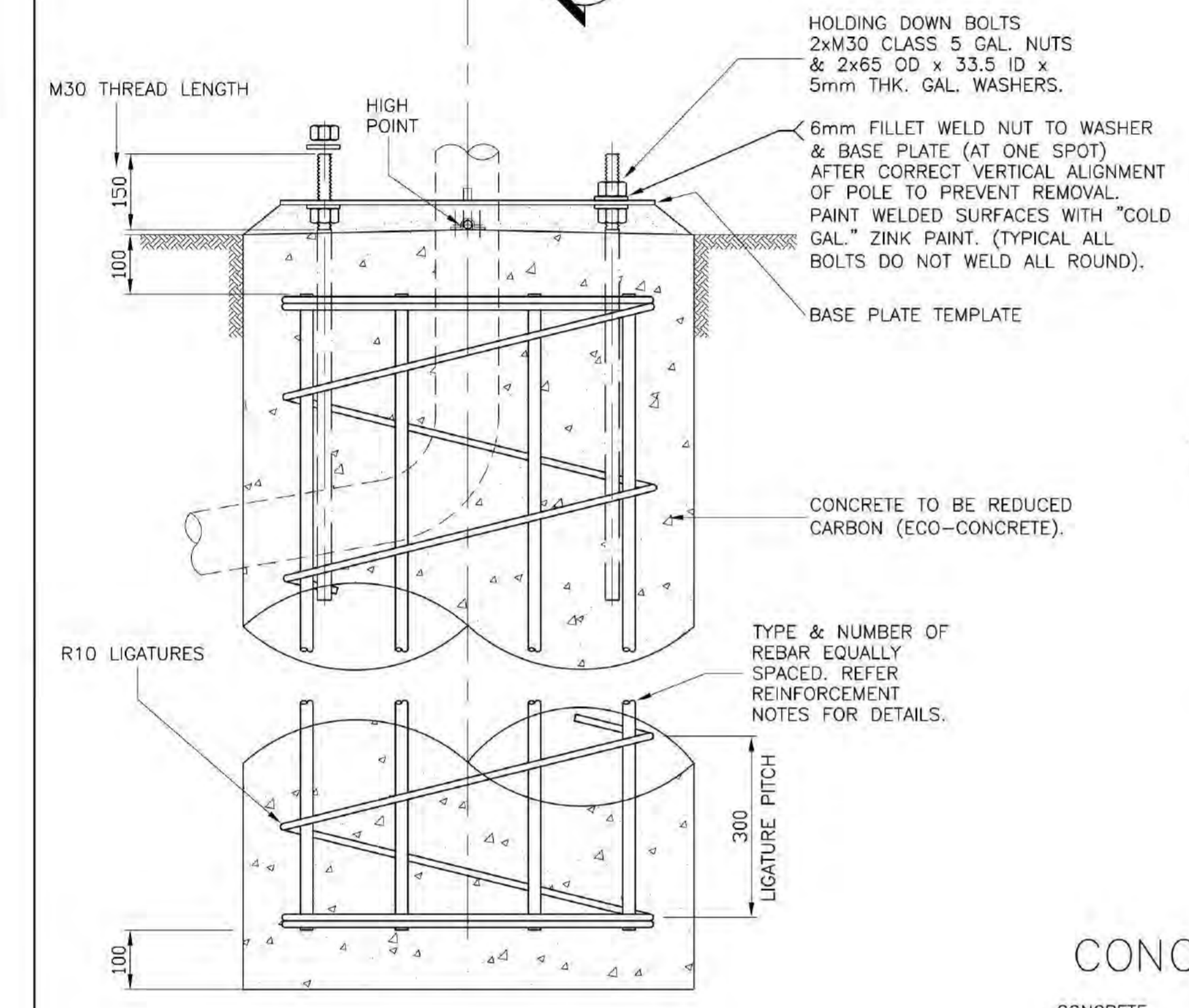
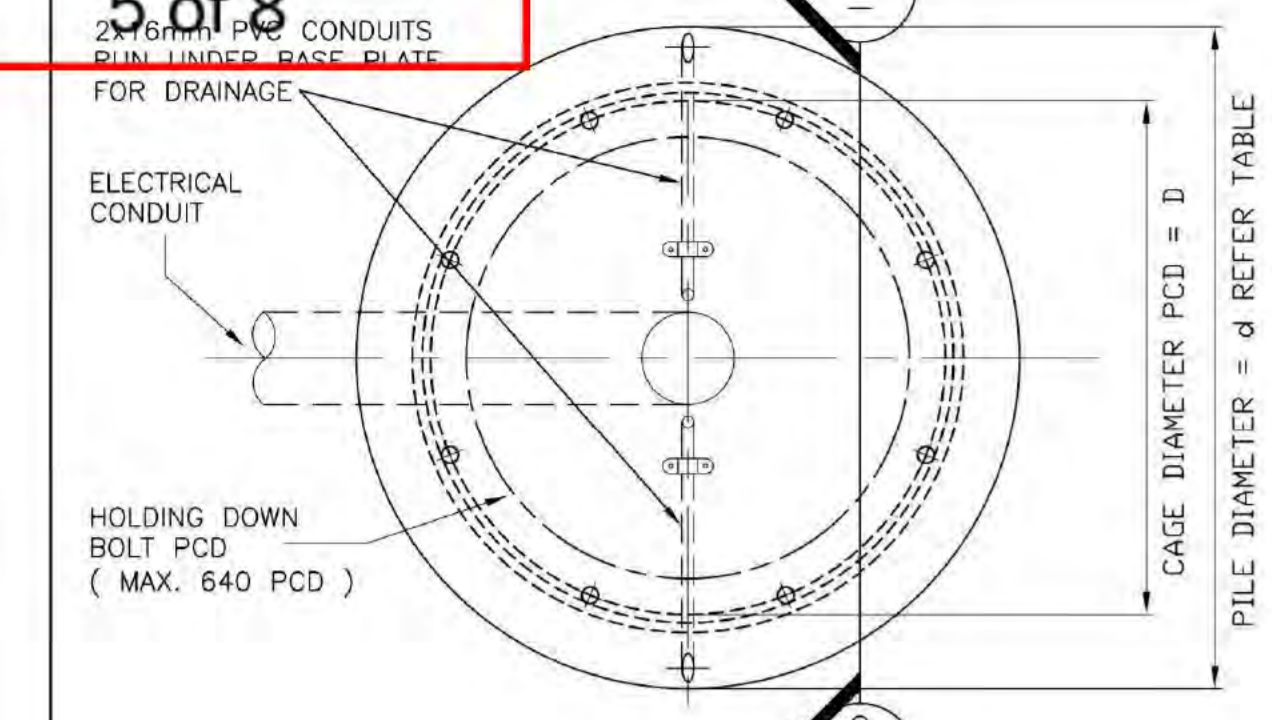
Drawing Title:
**AS4282 SPILL LIGHT
 ASSESSMENT OF
 CONFORMANCE**

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONSTRUCTION PURPOSES. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.
 This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
 This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of end user for the project. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.
 Lighting calculations are subject to measurement & instrument calibration with IESNA 9071 (2018) & IESNA 9071A (2018).
 This drawing protocol is provided as part of a conditional agreement with the client named within. The photometric results shown have been generated by the software AGI32 V21.2 and are subject to measurement & instrument calibration including tolerance in the dimensions & distribution surface. The design is based on the manufacturer's data. The design is based on the manufacturer's data. The design is based on the manufacturer's data.
 Disclaimer - This design is also for quoting and information purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.
 © AAA-LUX LIGHTING. All Rights Reserved.

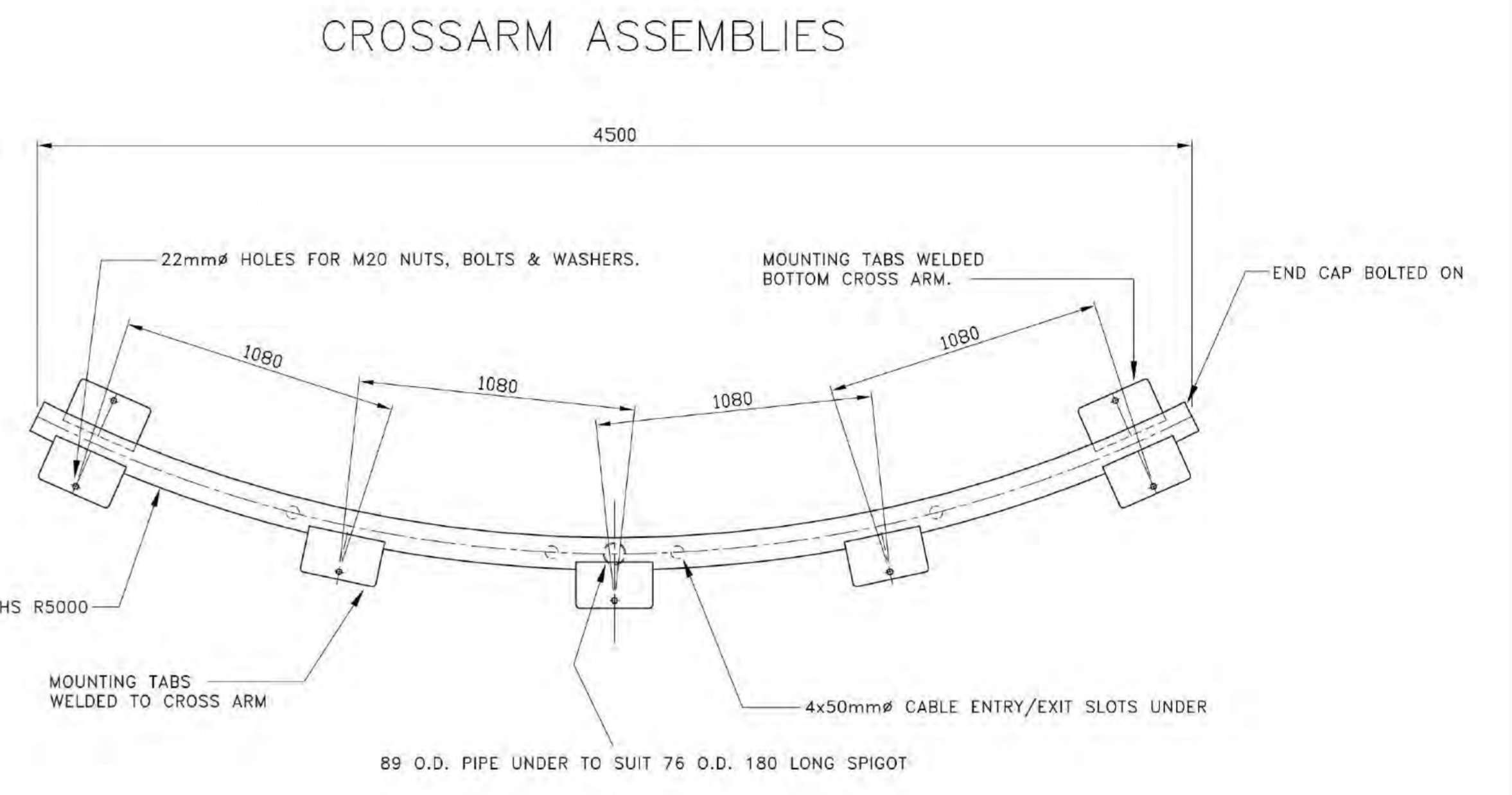
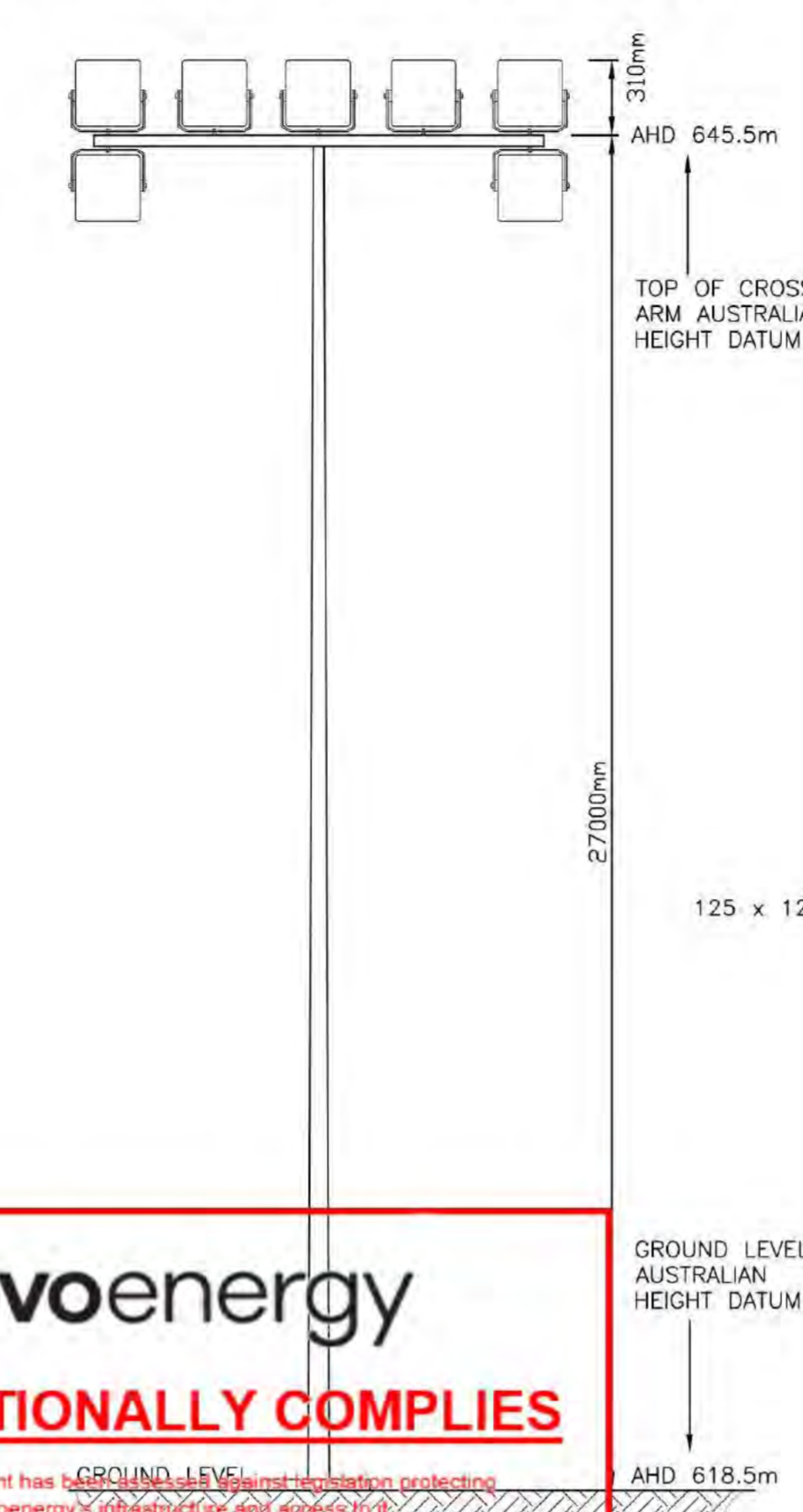
Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008
 DATE:
01.11.2021
 SHEET:
A3 SCALE:
 AS SHOWN
 LIGHTING ENGINEER
 SK M IES

SHEET
4



TYPICAL POLE ELEVATION



XSP4500-GA17016 CROSSARMS

POLE ASSEMBLY NOTES

SEE SPECIFICATION FOR POLE ASSEMBLY PROCEDURE. ENGINEERS INSPECTION AND "HOLD" POINTS IN ASSEMBLY PROCEDURE.
POLE SECTIONS ARE TO BE ASSEMBLED SO THAT OVERALL DIMENSIONS AND DIMENSIONS AND SLIP DIMENSIONS MATCH THOSE SHOWN ON INGALEPS DRAWINGS PROVIDED TO TOLERANCE +/- 4%.
ASSEMBLED POLES ARE TO BE ALIGNED ALONG THE CENTRE LINE AND ADJUSTED AT THE MOUNTING SO THE ERECTED POLE SHALL NOT DEVIATE MORE THAN 5 DEGREES FROM THE VERTICAL AT ANY POINT.

CONCRETE POUR NOTES

CONCRETE
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3800 - CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. ALL CONCRETE SHALL BE PREMIXED FROM AN APPROVED SUPPLIER. PORTLAND CEMENT TYPE A TO BE USED. BLENDED CEMENT NOT TO BE USED. TABLE BELOW INDICATES STRENGTH GRADES.
3. ALL CONCRETE SHALL BE VIBRATED.

LOCATION	STRENGTH GRADE	AGGREG. SIZE (MAX)	SLUMP NOMINAL (mm)
FOOTING-STANDARD SOILS	N32MPa	20mm	80
FOOTING-AGGRESSIVE SOILS	N40MPa	20mm	80

5. REINFORCEMENT:
M : HOT ROLLED DEFORMED BARS TO AS 4671
F : FABRIC TO AS 4671.
R : STRUCTURAL GRADE PLAIN ROUND BAR TO AS 4671.
6. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY BAR CHAIRS (PLASTIC TIPPED), SUPPORT AND SPACER BARS, AND CONCRETE BLOCKS FOR FOOTING AND SLAB REINFORCEMENT, TO PLACE STEEL IN ITS CORRECT POSITION DURING CONCRETING.
7. COVER TO REINFORCEMENT: 75mm MINIMUM ALL ROUND (CONCRETE WELL LINER INCLUDED).
8. SPLICES IN REINFORCEMENT SHALL ONLY AS APPROVED BY THE ENGINEER.
9. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS BY ONE OF THE FOLLOWING METHODS:
(i) AN APPROVED CURING COMPOUND, OR
(ii) CONTINUOUS WATER SPRAYS FOR PERIODS, OR
(iii) THE SURFACE SHALL BE THOROUGHLY MOISTENED AND COVERED COMPLETELY WITH PLASTIC SHEET SECURELY HELD IN POSITION.
10. ENSURE THAT SIDES OF EXCAVATION ARE SUCH THAT SOIL DOES NOT FALL IN DURING PLACEMENT OF CONCRETE.

REINFORCEMENT NOTES

REINFORCEMENT
Q = SOIL RUPTURE INTENSITY (kPa/m). ASSUMED 150 (POOR SOIL). REFER FOUNDATION NOTES.
M = MAXIMUM WORKING MOMENT RATED AT TOP OF PILE FOOTINGS 95.3kN-m. CONFIRM VALUE WITH INGALEPS.
V = MAXIMUM WORKING SHEAR RATED FOR AT TOP OF PILE FOOTING 7.7kN. CONFIRM VALUE WITH INGALEPS.
D = FOOTING DIAMETER (mm).
J = FOOTING DEPTH (m).
TABLE HAS BEEN PREPARED FOR A DISTURBED SOIL DEPTH OF UP TO 300mm. THE ANALYSIS IGNORES THIS LAYER OF SOIL IN ASSESSING THE SOIL STRENGTH. FOR DISTURBED SOILS DEPTHS GREATER THAN 300mm, REFER TO THE ENGINEER.
ALTERNATIVE REINFORCEMENT DETAILS:
8-N24 VERTICAL, 750mm PCD;
N12 CIRCULAR TIES @ 300mm SPACING AND 2/N12 RECTANGULAR TIES @ 300mm SPACING. TOP & BOTTOM TIES LOCATED 100mm FROM TOP & BOTTOM OF CONCRETE.
ALL REINFORCEMENT TO BE WELDED IN CAGE.

FOOTING DIAMETER (mm)	REINFC PCD (mm)	REINFORCEMENT (BAR SIZE / No DF BARS)
945	735	Y20/24
1028	820	Y24/20
1194	972	Y28/18
1358	1125	Y28/24

REFER DRAWING 1682-E1 FOR SITE PLAN
REFER DRAWING 1682-E3 FOR SWITCHBOARD DETAILS
REFER DRAWING 1682-E4 FOR AIMING DETAILS

PILE FOOTING NOTES

GENERAL
1. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE ENGINEERS DRAWINGS SHALL NOT BE SCALED.
2. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
FOUNDATIONS
SITE SHALL BE STRIPPED OF ALL VEGETATION IN BUILDING AREAS. ENSURE THAT NO VEGETATION OR ORGANIC MATTER EXISTS IN THE SOIL STRATA BELOW THE FOOTINGS OR SLAB ON GROUND FOR A DEPTH OF AT LEAST 1000mm.
IF BASE AT FOOTING EXCAVATIONS BECOMES WET PRIOR TO POURING CONCRETE THEN THE WATER AND ANY SOFTENED MATERIAL SHALL BE REMOVED PRIOR TO POURING THE FOOTINGS.
SOIL RUPTURE INTENSITY (Q kPa/m): THE WORST EXPECTED CONDITIONS SHOULD BE USED WHEN ESTIMATING THE STRENGTH OF PILE FOOTINGS FOR SOILS WHICH ARE DEFINED AS FOLLOWS:
GOOD BEARING (Q = 600 kPa/m)
HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATERTABLE.
MEDIUM BEARING (Q = 300 kPa/m)
BONDED SANDY LOAM, BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE. COMPACT MEDIUM CLAY, WELL
POOR BEARING (Q = 150 kPa/m)
SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER PROVIDED THESE DO NOT DEVELOP INTO SLUSH.
SOFT CLAY, POORLY COMPACTED
NOTE: THESE VALUES FOR Q ARE A GUIDE ONLY FOR ANY FOUNDATION.
NOTE
FOOTING DESIGN INDICATED ON THIS DRAWING HAS BEEN CHECKED & APPROVED BY A CIVIL ENGINEER ON BEHALF OF AEC. THE CONTRACTOR SHALL OBTAIN THE CIVIL ENGINEERS INSPECTION & APPROVAL BEFORE PLACING CONCRETE.
ENGINEERING LIGHTING COLUMNS: INGALEPS HAS SUPPLIED THE WORKING BASE MOMENT AND SHEAR FOR THE PARTICULAR LIGHTING COLUMNS TO BE SUPPLIED.

evoenergy
740# TOTAL
CONDITIONALLY COMPLIES
This document has been prepared in accordance with the requirements of the Electricity Act 2019 and the Electricity Regulations 2019.
The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions listed on the Statement of Conditional Compliance.
Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.
Signed: **Sch 2.2(a)(ii), Sch 2.2(a)(xi) Sep 2025**

TECHNICAL DETAILS

Pylon Type	Poor Soil (Q = 150)		Average Soil (Q = 300)		Good Soil (Q = 600)	
	d / D	J	d / D	J	d / D	J
Light Duty	945 / 735	3.6	1194 / 972	2.7	1358 / 1125	2.1

NOTE: RECOMMENDATIONS BASED ON INGALEPS FPL27F PYLON SPECIFICATIONS.

NOTE: FOUNDATION BOLTS ARE AS FOLLOWS (CONFIRM WITH MANUFACTURER)
Light Duty 12xM30 @ 640 PCD 900 EMBEDMENT
UNLESS GEOTECHNICAL REPORT PROVIDED FOR TENDER PURPOSES FOOTING DEPTH
Light Duty J=3.6M

NOTE:
FOOTING AND STEEL DETAILS ARE FOR GUIDANCE ONLY
OBTAIN CIVIL ENGINEER'S INSTRUCTIONS AND APPROVAL FOR ALL PROPOSED FOOTINGS BEFORE CONSTRUCTION.

Revised To Comments	18/08/25	A.H.
D.A. Issue	25/02/25	A.H.
Scope Details	18/10/24	A.H.
Report Issue	14/02/24	A.H.
INITIAL SETUP	05/01/24	A.H.

Client: BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB

AEC consulting group
P.O. Box 503, Mowbray ACT 2607
Telephone: (02) 6101 4770
email: aec@enginers.com.au

CONSULTING ENGINEERS

Project: SHARK PARK SPORTSGROUND UPGRADE WORKS EAED STREET, BRUCE

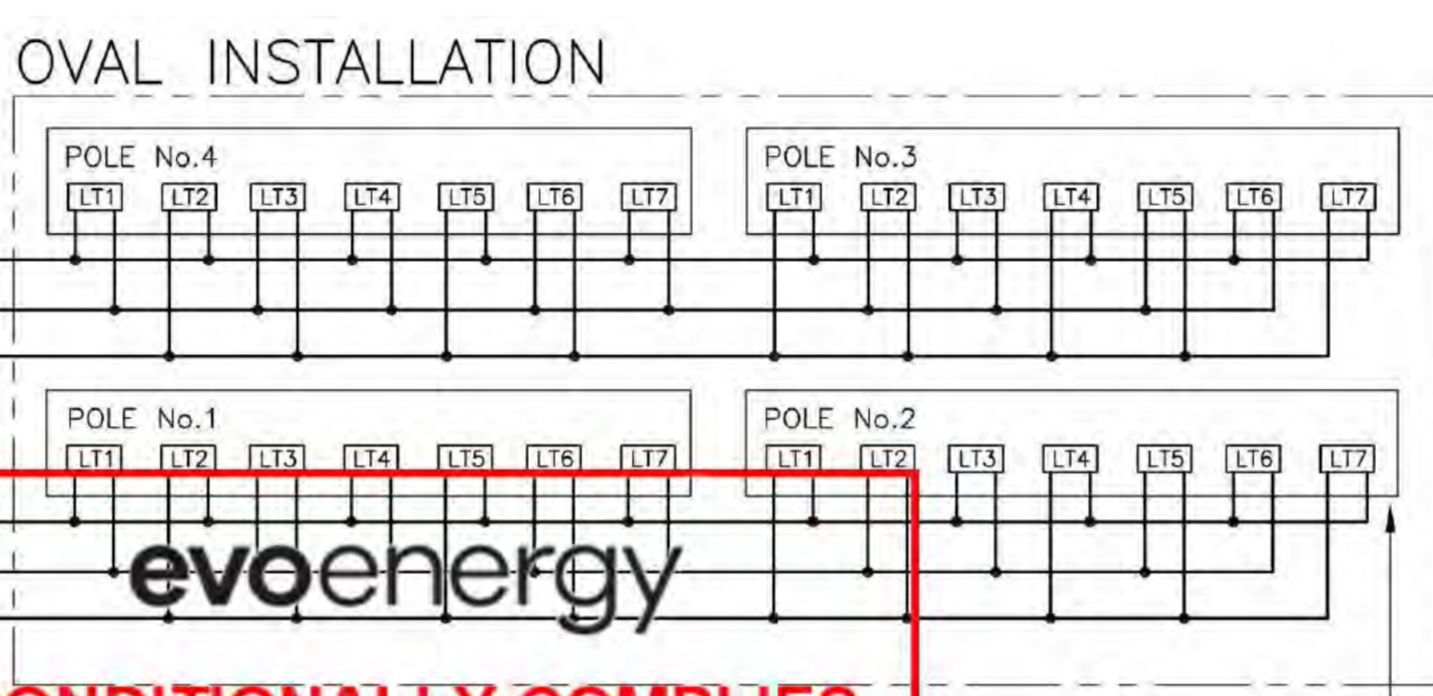
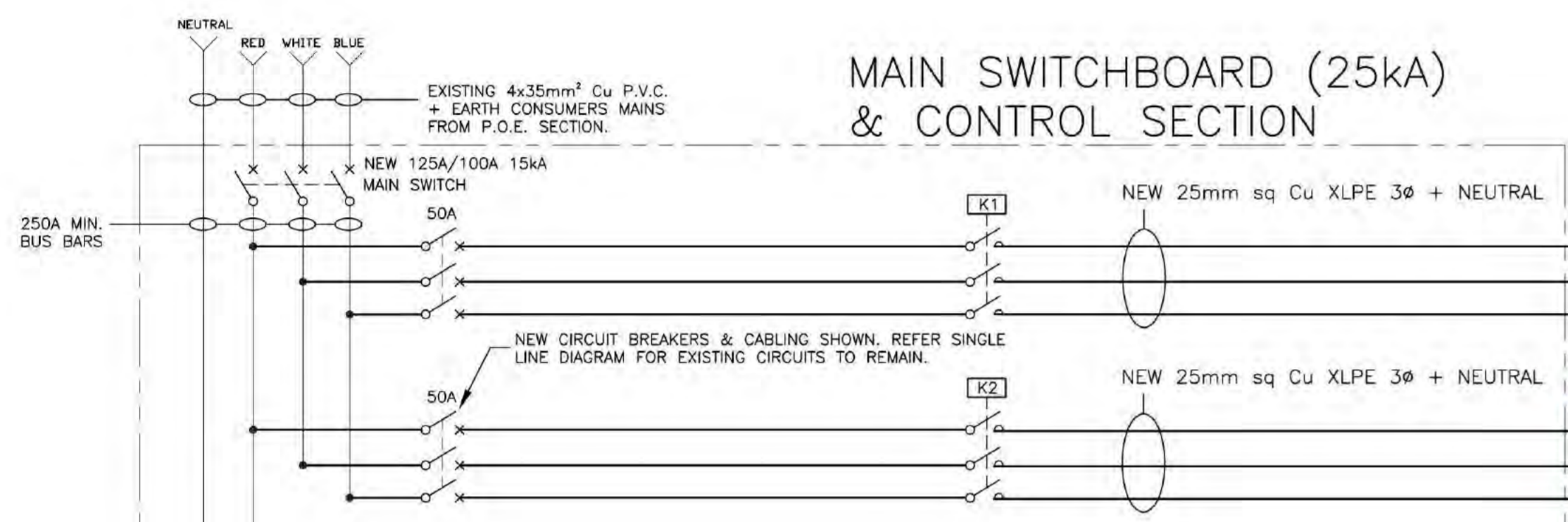
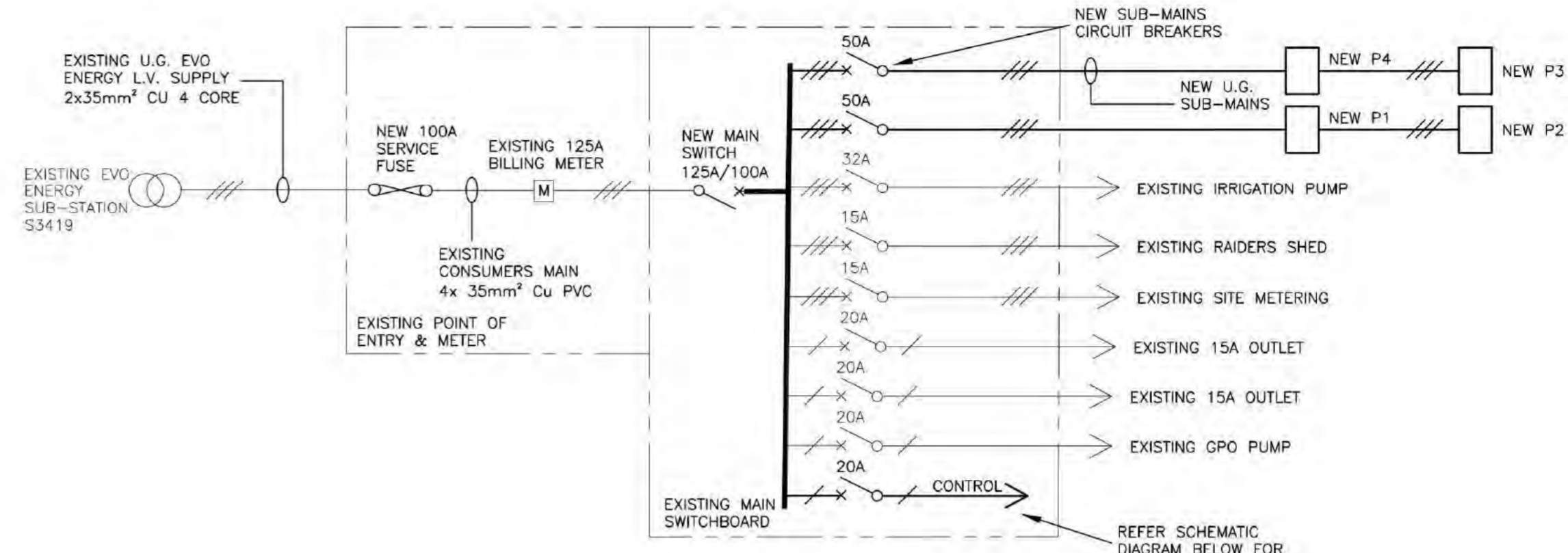
Block 4, Section 9 BRUCE, ACT

Title: SHARK PARK OVAL SPORTS LIGHTING INSTALLATION DETAILS

Scale: 1:500 Date: 08/01/2024
Drawn: A.Hill Checked: JMCK Approved: ---
CAD File: A1 Sheet 3 of 4
Job No: Drawing Number Amt.
1682 1682-E2 E

SINGLE LINE DIAGRAM

- NOTES:**
1. NEW LIGHTING PYLONS HAVE REMOTE M.E.N. CONNECTIONS & EARTH STAKES INSTALLED IN ACCESSIBLE FLUSH BOXES ADJACENT TO COMPLY WITH EVO ENERGY REQUIREMENTS.
 2. LABEL ALL CABLING & EQUIPMENT WITH SUPPLY DETAILS CORRESPONDING WITH TYPED LEGEND SUPPLIED IN FRAME ON REAR OF M.S.B. SUB-MAIN SECTION DOOR.
 3. DIGITAL TIME SWITCH SCHNEIDER ELECTRIC CCT15553 ACT1 9 IHP+ 2C (24H/7D) SMARTW PROGRAMMABLE TIME SWITCH AS REQUIRED BY SPORT & RECREATION STAFF.
 4. NEW SWITCHBOARD INDUSTRIAL ROTARY SWITCHES EQUAL SCHNEIDER ELECTRIC HARMONY K COMPLETE CAM 1 POLE 2, 3 OR 4 POSITION N/O CONTACTS AS INDICATED. E.G. 4 POSITION No: K1D004NLH.
 5. PANELS ARE 450mm DEEP WITH BOTTOM ENTRY ONLY MANUFACTURER TO INSPECT THE SITE TO ENSURE ALL CONDITIONS ARE ALLOWED FOR. ALL PENETRATIONS TO BE SEALED ON COMPLETION FOR EXCLUSION OF WATER & VERMIN.
 6. MAKE ALL ARRANGEMENTS FOR CONNECTION WITH EVO ENERGY AND PAY ANY ASSOCIATED FEES & CHARGES.
 7. MAKE ALL ARRANGEMENTS WITH ACTEWAGL FOR METER INSTALLATION. PAY ANY ASSOCIATED FEES & CHARGES.
 8. USE BARRIERS AND SIGNS TO PROTECT THE PUBLIC FROM INJURY ATTRIBUTED TO THE EXCAVATION OR INCOMPLETE WORKS.
 9. ALL WORKS TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS RELEVANT TO THE INSTALLATION. IN PARTICULAR AS 3000, AS 3008, AS/NZS 1939, AS/NZS 3439, AS 1136, AS/NZS 3111, AS/NZS 2184, AS/NZS 60269, AS 3135, AS/NZS 3134, EVO ENERGY/ACTEWAGL REGULATIONS & BUILDING CODE OF AUSTRALIA (ACT APPENDIX).



evoenergy

CONDITIONALLY COMPLIES

PROVIDE LABEL ABOVE TITLED "LIGHTING CONTROL OPTIONS" STATING:
 CH1 = SPORTS FIELDS
 CH2 = TRAINING FIELDS
 CH3 = CHALLENGER FIELDS
 CH4 = CHALLENGER FIELDS

Information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

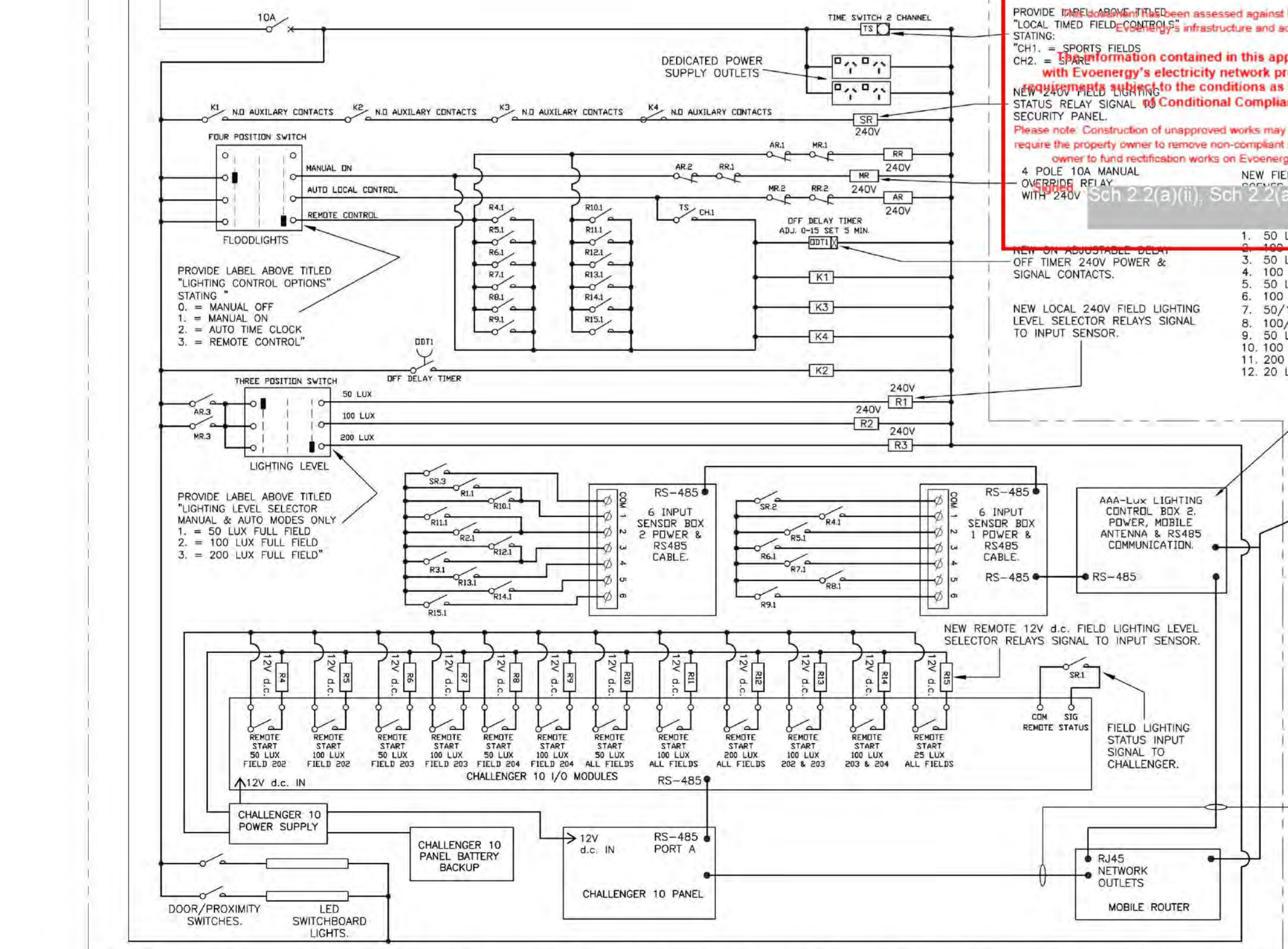
4 POLE 10A MANUAL OVERRIDE RELAY WITH 240V STATUS RELAY SIGNAL TO SECURITY PANEL.

NEW FIELD LIGHTING LEVEL SELECTOR RELAYS SIGNAL TO INPUT SENSOR.

NEW ON ADJUSTABLE DELAY OFF TIMER 240V POWER & SIGNAL CONTACTS.

NEW LOCAL 240V FIELD LIGHTING LEVEL SELECTOR RELAYS SIGNAL TO INPUT SENSOR.

NEW REMOTE 12V d.c. FIELD LIGHTING LEVEL SELECTOR RELAYS SIGNAL TO INPUT SENSOR.



1. 50 LUX MAIN FIELD
2. 100 LUX MAIN FIELD
3. 50 LUX TRAINING FIELD
4. 100 LUX TRAINING FIELD
5. 50 LUX ALL FIELDS
6. 100 LUX ALL FIELDS
7. 50/100 LUX TRAINING/MAIN
8. 100/50 LUX TRAINING/MAIN
9. 50 LUX ALL FIELDS
10. 100 LUX ALL FIELDS
11. 200 LUX ALL FIELDS
12. 20 LUX ALL FIELDS

TOP MOUNTED ANTENNA MOBILE NETWORK CONNECTION TO ROUTER & WIFI TO AAA-LUX ANTENNA BOX.

CAT. 6A DATA CABLES BY SECURITY CONTRACTOR.

No.	Date	Description	Prep.
D	25/02/24	D.A. Issue	A.H.
C	18/10/24	Scope Details	A.H.
B	14/02/24	Report Issue	A.H.
A	08/01/24	INITIAL SETUP	A.H.

Client:
BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB

AEC consulting group
 P.O. Box 503 Mayson ACT 2607
 Telephone: (02) 6101 4770
 email: aecengineers@spg.com.au

CONSULTING ENGINEERS

Project:
**SHARK PARK SPORTSGROUND UPGRADE WORKS
 EAED STREET, BRUCE**

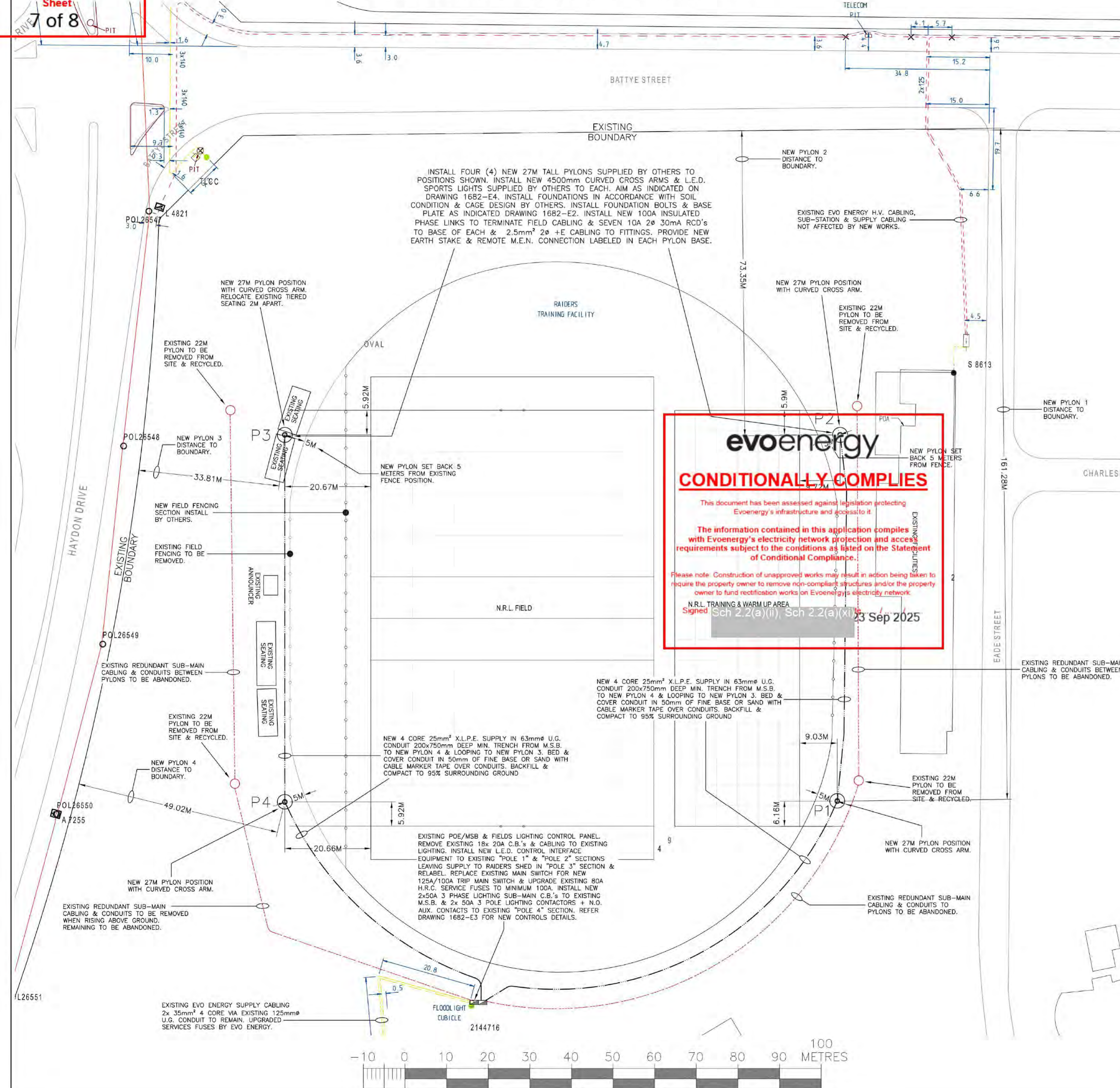
**BLOCK 4, SECTION 9
 BRUCE, ACT**

Title:
SHARK PARK OVAL SWITCHBOARD & CONTROLS DETAILS

Scale: 1:500
 Date: 08/01/2024
 Drawn: A.Hill
 Checked: JMcK
 CAD File: A1
 Sheet 4 of 4
 Job No.:
 Drawing Number: 1682-2
 Amdt: D

REFER DRAWING 1682-E1 FOR SITE PLAN
 REFER DRAWING 1682-E2 FOR INSTALLATION DETAILS
 REFER DRAWING 1682-E4 FOR AIMING DETAILS

SHARK PARK SPORTSGROUND SITE WORKS PLAN



NOTES:

- REMOVE EXISTING 24x 2KW METAL HALIDE FITTINGS AND CROSS ARMS FROM EXISTING 4 PYLONS 22M TALL INCLUDING CABLING AND GEAR TRAYS. RECYCLE / DISPOSE OF EQUIPMENT UNLESS REQUIRED BY CLIENT. REMOVE EXISTING PYLONS & RECYCLE. REMOVE TOP 300MM OF CONCRETE & CUT FOUNDATION BOLTS, BACKFILL, COMPACT & RE-SEED ON COMPLETION. DEVELOPER TO REINSTATE CONCRETE PAVING AT NEW & EXISTING PYLON 2 POSITION ON COMPLETION OF CONTRACTOR WORKS.
- UNLOAD DELIVERY TO SITE & ERECT 4 X 27 METER FLOODLIGHT PYLONS & CROSS ARMS SUPPLIED BY OTHERS TO POSITIONS SHOWN, SUPPLY & INSTALL NEW FOUNDATIONS IN ACCORDANCE WITH STRUCTURAL DESIGN PROVIDED BY PROJECT MANAGER. WHERE NOT AVAILABLE IN ACCORDANCE WITH THE PILE FOOTING PYLON RATINGS PROVIDED ON THE DRAWINGS, PYLONS TO BE UNLOADED TO SUITABLE LOCATIONS ON-SITE & SECTION SLIP ACHIEVED TO MANUFACTURES SPECIFICATIONS ON GROUND PRIOR TO ERECTION. ON COMPLETION SPOT WELD EACH BASE PLATE NUT (12 PER PYLON) TO ANCHOR BOLTS.
- INSTALL ANCHOR BOLTS & FOUNDATION CAGES PROVIDED USING BASE PLATE TEMPLATE & LEVEL AS SHOWN.
- STRUCTURAL SIGN OFF BY OTHERS DURING CARBON REDUCED CONCRETE PLACEMENT NOTIFY PROJECT MANAGER 7 DAY PRIOR TO ARRANGE INSPECTION.
- TRENCH OVALS AS SHOWN AND INSTALL UNDERGROUND CONDUITS, PITS & CABLING TO PYLONS FROM THE EXISTING M.S.B. / NEW LIGHTING DISTRIBUTION / CONTROL PANEL. BACKFILL AND COMPACT MAKING GOOD GROUND SURFACE ON COMPLETION.
- SUPPLY & INSTALL TWENTY EIGHT NEW 1550 WATT L.E.D. FITTINGS TO CROSS BAR ASSEMBLIES AND FIT CROSS BARS TO PYLONS IN ACCORDANCE WITH EQUIPMENT DETAILS ON THE DRAWINGS. FITTINGS EQUAL AAA-Lux WS2707 INCLUDING SHIELDS BY AREALUX. OBTAIN SHIELD INSTALLATION INSTRUCTIONS & AIMING APPARATUS FROM ENGINEER & RETURN ON COMPLETION.
- INSTALL PHASE LINKS, ISOLATOR & LUMINARIES PROTECTION EQUIPMENT TO PYLONS AND MAKE ALL TERMINATIONS. ENSURE ALL EQUIPMENT IS ADEQUATELY FUSED/PROTECTED AT PYLONS IN ACCORDANCE WITH MANUFACTURERS' RATINGS.
- SUPPLY AND INSTALL NEW LIGHTING CONTROLS. MOUNT LIGHTING CONTROL BOX, ANTENNA BOX & INPUT SENSOR BOX SUPPLIED WITH LUMINARIES TO CONTROL PANEL (EXISTING POLE 1 & POLE 2 SECTIONS) & INTERFACE CABLING AS SHOWN ON DRAWINGS.
- SUPPLY AND INSTALL 63mmØ CONDUIT FOR NEW SUB-MAINS FROM NEW M.S.B. INSTALL 4 CORE 35mm² & 25mm² Cu X.L.P.E. SUB-MAINS CIRCUIT BREAKERS & INTERNAL CONDUIT MOUNTING AS NOTED.
- POSITION FLOODLIGHTS TO NOMINATED AIMING POINTS AND COMMISSION COMPLETE SYSTEM IN ACCORDANCE WITH ENGINEERS' INSTRUCTIONS. A REPRESENTATIVE FROM THE LUMINAIRE SUPPLIER CAN ASSIST WITH AIMING TECHNIQUES.
- PROVIDE SHOP DRAWINGS DETAILING THE PROPOSED SWITCHBOARD & LIGHTING CONTROL PANELS PHYSICAL AND ELECTRICAL LAYOUT PRIOR TO MANUFACTURE.

LEGEND:

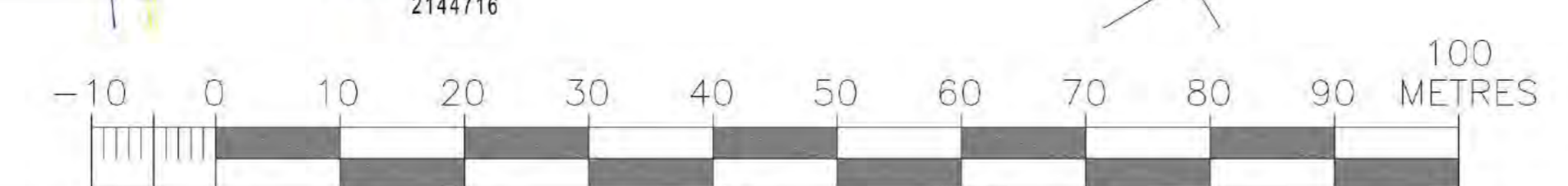
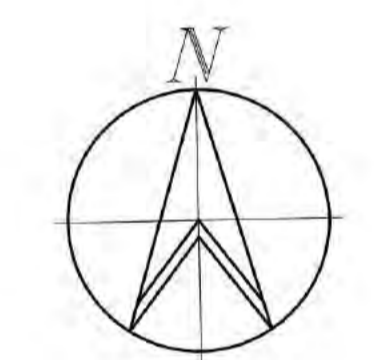
- (COMMUNICATIONS) = NEW JB COMMUNICATIONS PIT.
- (POWER) = ACO CABLEMATE PIT & LID No. 75957 & 75990 (715x410x800)
- - - - - = EXISTING OR NEW AS NOTED EVO ENERGY U.G. HIGH VOLTAGE CABLING.
- — — — — = EXISTING EVO ENERGY U.G. LOW VOLTAGE CABLING TO REMAIN.
- — — — — = EXISTING EVO ENERGY U.G. LOW VOLTAGE STREET LIGHT CABLING.
- — — — — = EXISTING INSTALLATION U.G. MAINS & CIRCUIT CABLING TO BE DISCONNECTED & ABANDONED.

REMOTE ACCESS & CONTROL NOTES:

- CONTRACTOR TO INSTALL NEW CONTROL PANEL TO REAR OF M.S.B. CONTROL SECTION WITH I/O MODULES LINKED TO NEW FLOODLIGHT REMOTE CONTROL INTERFACE RELAYS VIA CONTROL / STATUS CABLING IN LIGHTING PANEL. INSTALL NEW MOBILE ROUTER CONNECTED TO MOBILE LEAD ON NEW ANTENNA MOUNTED ON TOP OF M.S.B. INSTALL DATA CABLE FROM ROUTER TO SECURITY PANEL.
- INSTALL 240V INTERFACE RELAYS WITH 10A 240V RATED CONTACTS, 2 CHANNEL TIME CLOCK (CHANNEL 2 SPARE), OFF/MANUAL/AUTO/REMOTE & 50 LUX/100 LUX / 200 LUX ROTARY OPERATIONAL SWITCHES.
- THE FOLLOWING SPECIFIC EQUIPMENT TO BE SUPPLIED DIRECTLY BY CONTRACTOR:
 - INDUSTRIAL MOBILE ROUTER COMSET CM685V-4 INDUSTRIAL GRADE 3G 4G 4GX COMPLETE WITH PLUG IN POWER SUPPLY.
 - "PUCK" TYPE ANTENNA TAUGLAS COLOSSEUM HEAVY DUTY LOW PROFILE 5 IN 1 (2XMOBILE, 2XWIFI & 1XGPS) NO. MA850.A.LBICG.001.
- CONTRACTOR TO SUPPLY & INSTALL NEW CONTROL / STATUS CABLING FROM CHALLENGER 10 PLUS CONTROL PANEL TO INTERFACE RELAY TERMINALS. CONTRACTOR TO UNDERTAKE INSTALLATION OF AAA-LUX EQUIPMENT & SUPPLY & INSTALLATION OF ALL OTHER EQUIPMENT & CABLING. CONNECT AAA-LUX LIGHTING ANTENNA BOX TO WIFI CONNECTION ON NEW ANTENNA PROVIDE CABLE EXTENSION AS REQUIRED & INSTALL DATA CABLE FROM PORT TO LIGHTING CONTROL BOX.
- UNDERTAKE REQUIRED PROGRAMING & ARRANGE ALL SYSTEMS INCLUSION ON WEB MANAGEMENT SYSTEM.
- PROVIDE USER TRAINING & ASSISTANCE FOR USERS TO ACCESS VIA AAA-LUX MOBILE APPLICATION.

GENERAL ELECTRICAL SPECIFICATION NOTES:

- AEC ENGINEERS WILL INSPECT THE INSTALLATION WORKS UNDERTAKE COMMISSIONING TESTS & VERIFICATION MEASUREMENTS AND CERTIFICATION ON COMPLETION.
- PROVIDE 12 MONTHS WARRANTY ON INSTALLATION WORKS AND MATERIALS FROM THE DATE OF PRACTICAL COMPLETION CERTIFIED BY THE ENGINEER.
- GAIN ENGINEERS' APPROVAL TO ALTER ANY PART OF THE APPROVED DOCUMENTED WORKS OR REJECTION & RECTIFICATION WORK WILL BE DONE AT COST TO THE CONTRACTOR.
- ON COMPLETION OF SWITCHBOARD INSTALLATION WORKS SUBMIT REQUIRED APPROVAL AND ENERGISE THE INSTALLATION.
- MAKE ALL NECESSARY ARRANGEMENTS FOR SHUTDOWNS ETC. WITH EVO ENERGY AND PAY ANY ASSOCIATED FEES & CHARGES.
- USE BARRIERS AND SIGNAGE TO PROTECT THE PUBLIC FROM INJURY ATTRIBUTED TO THE EXCAVATION OR INCOMPLETE WORKS.
- ALL WORK TO COMPLY WITH:
 - > BUILDING CODE OF AUSTRALIA
 - > AS 3000 (WIRING RULES)
 - > AS 3008 (CABLE SELECTION & DE-RATING)
 - > AS 2560 SERIES (SPORTS LIGHTING STANDARDS)
 - > AS 4282 (OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING)



evoenergy

CONDITIONALLY COMPLIES

This document has been assessed against legislation protecting Evoenergy's infrastructure and access to it

The information contained in this application complies with Evoenergy's electricity network protection and access requirements subject to the conditions as listed on the Statement of Conditional Compliance.

Please note: Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.

N.R.L. TRAINING & WARM UP AREA
Signed Sch 2.2(a)(ii), Sch 2.2(a)(iii) 23 Sep 2025

No.	Date	Description	init.
F	18/08/25	Revised To Comments	A.H.
D	25/02/25	D.A. Issue	A.H.
C	19/10/24	Scope Details	A.H.
B	14/02/24	Report Issue	A.H.
A	26/01/24	INITIAL SETUP	A.H.

AMENDMENTS	
Client	BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB
Consulting Engineers	AEC consulting group P.O. Box 503 Mowson ACT 2607 Telephone: (02) 6101 4770 email: aecengineers@tpg.com.au
Project	SHARK PARK SPORTSGROUND UPGRADE WORKS EAED STREET, BRUCE BLOCK 4, SECTION 9 BRUCE, ACT
Title	SHARK PARK OVAL ELECTRICAL SERVICES SITE PLAN & DETAILS

Scale: 1:500	Date: 08/01/2024
Drawn: A.Hill	Checked: JMcK Approved: ---
CAD File: A1	Sheet: 2 of 4
Job No.: 1682	Drawing Number: 1682-E1
	Amtd: E

TABLE 1 - MINIMUM SEPARATION REQUIREMENTS

Application Number 225678	TO NEAREST PART TO:	MIN SEPARATION (mm)
PADMOUNT SUBSTATION / SWITCHING STATION SEE NOTES 4, 5, 6. Sheet 8 of 8	BUILDING	7500 (NOTE 6)
	PROPERTY BOUNDARY	1500
	Above GROUND OBJECTS	1500 (NOTE 5)
	DRIVEWAYS & ROADS	1500
	COMMS CABLES, GAS & WATER PIPES, SEWER LINES	1500 (NOTE 5)
	BUILDINGS & STRUCTURES	1200 (300-NOTE 2, 6.1)
	PROPERTY BOUNDARY	50
	ROADS	1200
	FOOTPATH	NOTE 10
	DRIVEWAYS	1200 (1000- NOTE 2)
PILLAR	SHRUBS AND SMALL TREES	1200 (500- NOTE 2)
	TREES THAT CAN GROW >3 M	1500
	BUILDINGS & STRUCTURES	1000
SERVICE PIT	PROPERTY BOUNDARY / FOOTPATH / DRIVEWAY	40 (NOTE 14)
	ROAD	1200
	SHRUBS	1200
HV CABLES (1kV <U≤22kV)	WATER PIPES	500 (H) 300 (V) (NOTE 1)
	SEWER PIPE LINES & STORMWATER PIPE LINES	600 (H), 300 (V) (NOTE 1)
	COMMUNICATIONS CABLES	300
	GAS PIPES	IN ACCORDANCE TO P006135 (NOTE 13)
	HV CABLES (22kV <U≤132kV)	750 (NOTE 3)
	EDGE OF INGROUND SWIMMING POOLS OR SPAS	3500
	HV CABLES (1kV <U≤22kV)	250 CENTRE TO CENTRE (NOTE 7)
LV CABLES (≤1kV) SERVICE MAINS CABLE PITS SERVICE PITS	WATER PIPES	500 (H) 275(V) (NOTE 1)
	SEWER PIPE LINES & STORMWATER PIPE LINES	600 (H), 150(V) (NOTE 1)
	COMMUNICATIONS CABLES	150
	GAS PIPES	IN ACCORDANCE TO P006135 (NOTE 13)
	EDGE OF INGROUND SWIMMING POOLS OR SPAS	REFERENCE DRAWING 3832-020
	HV CABLES (1kV <U≤22kV)	250 CENTRE TO CENTRE (NOTE 7)
LV & HV CABLES (NOT COVERED BY SHARED TRENCH)	LV CABLES	50 PHYSICAL SEPARATION
	PROPERTY BOUNDARY	300- OR AS PER DESIGN VARIATION
	BUILDINGS & STRUCTURES	1200 (H) (NOTE 8, 9)
	ROAD (SPEED LIMIT < 60 km/hr)	300 (H) (NOTE 11)
EVOENERGY ASSET, TRENCH OR CABLE	ROAD (SPEED LIMIT > 60 km/hr)	1500 (H) (NOTE 11)
	ROCK ANCHOR OR SOIL NAIL	1500

TABLE 1 NOTES:

- (H) - MINIMUM HORIZONTAL CLEARANCE, (V) MINIMUM VERTICAL CLEARANCE AT CROSS OVER POINTS FOR DIRECT BURIED CABLES. THE MINIMUM VERTICAL CLEARANCE CAN BE REDUCED TO 200MM (FOR HV) AND 150MM (FOR LV) FOR CABLE/S IN CONDUIT.
 - NO HV/LV CABLES OR EQUIPMENT ARE TO BE INSTALLED WITHIN A SEWER "TIE" PROTECTION ENVELOPE. REFER TO ICON WATER DOCUMENT, "BUILDING REQUIREMENTS FOR ICON WATER APPROVAL"
 - THE LOCATION OF EVOENERGY NETWORK CABLES OR POLES WITHIN 5m OF ICON WATER SEWER MAINS WITH A DIAMETER EQUAL TO OR GREATER THAN 300mm MUST BE SPECIFIED IN CONSULTATION WITH ICON WATER.
 - HORIZONTAL SEPARATION BETWEEN AN EVOENERGY CABLE(S) AND A SEWER OR STORM WATER MANHOLE, WATER METER PIT, WATER THRUST, VALVE OR HYDRANT SHOULD BE AT LEAST 1.0m (MEASURED FROM NEAREST POINT OF THE THIRD PARTY ASSET TO THE EDGE OF THE CABLE). WHERE THERE IS NO ALTERNATIVE, THIS REQUIREMENT MAYBE REDUCED TO NOT LESS THAN THE SEPARATION REQUIREMENT LISTED IN TABLE ONE IN CONSIDERATION TO AN EVOENERGY CABLE & A WATER OR SEWER PIPE.
- EXCLUDING THE FRONT SIDE OF ASSET- MINIMUM CLEARANCE MAYBE REDUCED TO THE FIGURE STATED ON ONE SIDE ONLY
- NO STRUCTURES OR SERVICES ARE PERMITTED WITHIN 750mm OF THE VERTICAL PROJECTION OF ANY 132KV CABLES. FOR FURTHER DETAILS REFER TO EVOENERGY DOCUMENT "P00718-A GUIDE TO WORKING WITHIN TRANSMISSION LINE RESERVATIONS"
- THE PADMOUNT SUBSTATION & SWITCHING STATION SITING CHECKLIST MUST BE COMPLETED AND APPROVED IN ACCORDANCE WITH THE EVOENERGY DOCUMENT "P007373 - PADMOUNT SUBSTATION & SWITCHING STATION SITING GUIDE"
- MINIMUM SEPARATION CLEARANCES QUOTED DO NOT CONSIDER EVOENERGY NETWORK EARTHING COMPLIANCE, EACH PROPOSED SUBSTATION LOCATION MUST HAVE A SITE SPECIFIC EARTHING DESIGN IN ACCORDANCE WITH EVOENERGY DOCUMENT "P007127-DISTRIBUTION EARTHING DESIGN AND CONSTRUCTION MANUAL".
- THIS DISTANCE MAY BE REDUCED IN ACCORDANCE WITH BOTH:
 - THE NATIONAL CONSTRUCTION CODE OF AUSTRALIA IN CONSIDERATION TO THE EVOENERGY ASSET BEING A FIRE SOURCE FEATURE. APPROPRIATE FRLs TO THE BUILDING OR STRUCTURE MUST BE OBSERVED, AND;
 - AS2067 (SUBSTATIONS AND HIGH VOLTAGE INSTALLATIONS EXCEEDING 1kV a.c), SECTION 6.
- MINIMUM 450mm CENTRE TO CENTRE SEPARATION REQUIRED FOR CABLES INSTALLED IN CONDUIT.
- CABLES THAT SERVICE THE BUILDING OR STRUCTURE MAY ENCROACH THE SPECIFIED MINIMUM REQUIREMENT.
- REQUIREMENT MAYBE REDUCED (THROUGH RISK ANALYSIS), TO ENSURE ENOUGH SEPARATION FOR ASSET MAINTENANCE / REPLACEMENT.
- SEPARATION REQUIREMENTS ARE OUTLINED IN TCCS DOCUMENT "DESIGN STANDARDS FOR URBAN INFRASTRUCTURE" AND TCCS ROAD VERGE DRAWING "DS4-04, FOOTPATHS SERVICE MODULES"
- FIGURES STATED ARE HORIZONTAL CLEARANCE REQUIREMENTS FOR CABLE TRENCHES RUNNING IN PARALLEL TO THE ROAD.
 - ANY VARIATION TO MINIMUM CLEARANCE MUST BE APPROVED BY ROADS ACT.
 - SEPARATION REQUIREMENT IS MEASURED FROM THE OUTER MOST EDGE OF THE FORMED KERB (GUTTER) OR ROAD SURFACE WHERE FORMED KERBS ARE NOT INSTALLED TO THE NEAREST EDGE OF CABLE TRENCH.
- A POWER POLE MUST BE MINIMUM OF 1500mm FROM AN UNDERGROUND GAS MAINS, WATER & SEWER MAINS. ALSO VERIFY THE REQUIREMENT WITH THE RESPECTIVE UTILITIES AND REFER P00793 CIVIL WORKS FIELD MANUAL FOR NO DIG ZONE.
- REFER TO EVOENERGY DOCUMENT P006135 - SAFE WORK AROUND OR NEAR THE ACT GAS NETWORK.
- PITS MAY ONLY BE ADJACENT TO A SINGLE DRIVEWAY AND MUST NOT BE INSTALLED BETWEEN TWO DRIVEWAYS.

TABLE 2 - RECOMMENDED BURIAL DEPTHS FOR UNDERGROUND LINES

TYPE OF UNDERGROUND LINE	DIRECT BURIED AND COVERED WITH A MECHANICAL COVER OR ENCLOSED IN HEAVY DUTY PIPE OR CONDUIT
22kV <U≤132kV	MINIMUM (mm) 1000


TABLE 2 NOTES:

- MAXIMUM TRENCH DEPTH FOR INSTALLATION OF CABLES IS 1.5 METRES
- COVERAGE REQUIREMENTS FOR CABLES UP TO 22kV ARE DEPICTED AND OUTLINED ON:
 - 390-002: CONDUIT INSTALLATION ROADWAYS AND DRIVEWAYS
 - 393-010: UNDERGROUND SERVICES IN A SHARED TRENCH, ELECTRICAL PIT REQUIREMENT UNDERGROUND RESIDENTIAL DISTRIBUTION
 - 393-007: CABLE TRENCH DETAILS FOR CABLE INSTALLATIONS NOT COVERED BY SHARED TRENCH AGREEMENT

MINIMUM SEPARATION REQUIREMENTS TO EVOENERGY EARTHING ASSETS

NOTES:

- EARTHING MUST BE ASSESSED, DESIGNED AND VALIDATED IN ACCORDANCE WITH THE EVOENERGY DOCUMENT "P007127-DISTRIBUTION EARTHING DESIGN AND CONSTRUCTION MANUAL".
- 11kV EARTHING ASSETS INCLUDE GRADING RINGS, DEEP EARTH ELECTRODES, EARTHING GRIDS, 11kV CONDUCTIVE POLES AND COPPER CLAD EARTH STAKES.
- MINIMUM SEPARATION REQUIREMENTS FROM ANY CONDUCTIVE BURIED ITEM OR CONDUCTIVE STRUCTURE ABOVE THE GROUND TO ANY EVOENERGY 11kV NETWORK EARTHING MUST BE DETERMINED ON A CASE BY CASE BASIS BY A DESIGNER OR REPRESENTATIVE OF THE EVOENERGY CUSTOMER ASSET PROTECTION TEAM
- ALL LOW VOLTAGE EARTHING MUST BE POSITIONED IN ACCORDANCE WITH EVOENERGY DOCUMENT "P007127-DISTRIBUTION EARTHING DESIGN AND CONSTRUCTION MANUAL" AND MAINTAIN A MINIMUM 4m SEPARATION TO ANY EVOENERGY 11kV EARTHING INFRASTRUCTURE.

S	TABLE 1 & TABLE 1 NOTE 1 AMENDED - KV	26/10/2021	N. Azizi	W. Cleland	Drawn: G. Adamaitys	Designed: G. Smith	 <p>SEPARATION AND COVER REQUIREMENTS FOR CABLES AND PLANT</p>	Scale:	Date: 12/05/2022	Sheet No:		
T	WF13143 REPLACED WITH 'P006135' AND NOTE 13 ADDED-KV	12/05/2022	N. Azizi	W. Cleland	Checked:			Work Pack No:	File:			
U	UPDATED NOTE 12 - MS	3/02/2023	N. Azizi	W. Cleland	Approved: G. Astbury			Status:	Current			
V	NOTE 7 AMENDED - KV NOTE 14 ADDED; SERVICE PIT DETAILS AMENDED	22/11/2023	J. Primmer	N. Azizi	Project No:							
No	Revision	Date	Checked	Approved								
<p>The information contained within this drawing & associated electronic file shall remain the property of Evoenergy and shall not be copied or used for any other purpose without express written permission from Evoenergy. © Evoenergy, 2018.</p>					<p>ACT Cadastral information supplied by the ACT Environment & Sustainable Development Directorate. © ACT Gov. 2018.</p>					A3	3832-018	Rev V



Proposed Sports Lighting

CLIENT

Belconnen United
Sharks RLFC

ADDRESS

2 Eade Street,
Bruce, ACT

DATE

September 2025



30 September 2025

Our ref: EM/C16855

Belconnen United Sharks RLFC

Sch 2.2(a)(ii)

Proposed Sports Lighting – 2 Eade Street, Bruce, ACT
Geotechnical Investigation Report

We are pleased to present our geotechnical investigation report for the proposed new sports lighting located at 2 Eade Street, in Bruce, ACT.

The report outlines the methods and results of exploration, describes site subsurface conditions and provides recommendations for building footing design, excavation conditions, shear strength parameters of soil, preparation of subgrades, stability of cut and fill batters, retaining wall design, designed CBR values, earthquake classification, site drainage advice and geotechnical inspection requirements.

Should you require any further information regarding this report, please do not hesitate to contact our office.

Yours faithfully
Fortify Geotech

Written by:

Reviewed by:

Sch 2.2(a)(ii)

About us

We work with our clients to provide practical advice and solutions tailored to each project. Our professional services are reliable, responsive and efficient.

Our highly capable Geotechnical Engineers and Geologists have a comprehensive understanding of the industry. We provide the best engineering solution for complicated geotechnical engineering issues. This has earned us a solid reputation with our Construction Industry, Municipal and Government clients.

INDUSTRIES WE WORK IN

- Residential
- Commercial
- Transport Infrastructure
- Industrial Developments of all sizes.

SERVICES

- Geotechnical Site Investigations and Reporting;
- Engineering Geology;
- Mining/Rock Geotechnics;
- Foundation Engineering;
- Dam Engineering; Embankment Design and Specification;
- Geotechnical Design Recommendations;
- Pavement Engineering and Design;
- Pavement Condition Surveys;
- Slope Stability and Risk Assessments;
- Geotechnical and Hydrological Instrumentation and Monitoring;
- Footing and Excavation Supervision and Certifications;
- Excavated soil/rock assessments and VENM assessments;
- Supervision and Certification of Earthworks and Controlled Fill, including Level 1 supervision;
- Geotechnical Construction Specifications;
- Deep Excavation Support; and
- Slope/Retaining Structure Analysis and Design

Table of Contents

1	INTRODUCTION	1
2	SITE DESCRIPTION & GEOLOGY	2
2.1	Site Location and Site Description	2
2.2	Topography and Drainage	2
2.3	Regional Geology	2
3	INVESTIGATION METHODS	3
4	INVESTIGATION RESULTS	3
4.1	Subsurface Conditions	3
4.2	Groundwater	5
5	DISCUSSION & RECOMMENDATIONS	6
5.1	Geotechnical Parameters	6
5.2	Site Classification	7
5.3	Building Footings	7
5.4	Excavation Conditions & Use of Excavated Material	8
5.5	Stable Excavation Batters	8
5.6	Low Retaining Walls	9
5.7	Controlled Fill Construction	9
5.8	Groundwater Control	10
5.9	Earthquake Site Factor	10
5.10	Geotechnical Inspections	10
	REFERENCES	11

Tables

<i>Table 4-1: Subsurface Profile Summary</i>	4
<i>Table 4-2: Depth Interval of Each Soil/Rock Unit in Each Borehole</i>	4
<i>Table 5-1: Estimated Geotechnical Parameters</i>	6
<i>Table 5-2: Recommended Allowable End-Bearing Pressures for Footings</i>	7

Geotechnical Investigation Report

Proposed Sports Lighting –2 Eade Street, Bruce, ACT

QUALITY INFORMATION

Revision history

Reference/ Revision	Description	Date	Author	Reviewer
EM/C16855 Rev0	For issue – Geotechnical Investigation	29/09/2025	EM	RO

Belconnen United Sharks RLFC

Proposed Sports Lighting – 2 Eade Street, Bruce, ACT

Geotechnical Investigation Report

1 INTRODUCTION

At the request of the client, Fortify Geotech Pty Ltd carried out a geotechnical investigation for a proposed new sports lighting located at 2 Eade Street, in Bruce, ACT.

The project will involve the construction/installation of four (4) sports lighting towers surrounding the oval. The aim of the investigation was to:

- i) Identify subsurface conditions including the extent and nature of any fill materials, soil strata, bedrock type and depth, and groundwater presence.
- ii) Provide site classification to AS2870 “Residential Slabs & Footings”.
- iii) Advise on suitable footings systems, founding depths, allowable bearing pressures.
- iv) Advise on excavation conditions and suitability of excavated material for use as structural fill.
- v) Advice on preparation of subgrades for building slabs, vehicle pavements and carpark.
- vi) Provide guidelines for construction of controlled fill platforms.
- vii) Advise on stable batter slopes.
- viii) Provide earthquake classification of this site.
- ix) Drainage and other geotechnical advice.

2 SITE DESCRIPTION & GEOLOGY

2.1 SITE LOCATION AND SITE DESCRIPTION

The investigation site is legally registered as Block 4, Section 9, (2 Eade Street), in Bruce, ACT. The area of the proposed sport lightings are located at four corners of the existing oval. The site is presently an oval used as NSW Rugby League HQ. Figure 1 shows the site locality, while Figure 2 is a recent aerial photo showing the present site layout. Plate 2-1 shows the drilling operation of BH1 and BH2.



Plate 2-1: Drilling of BH1 and BH2

2.2 TOPOGRAPHY AND DRAINAGE

The existing ground surface is relatively flat. The ground surface level is around RL618. Drainage in surrounding streets is expected to be through pits and pipe network via street guttering.

2.3 REGIONAL GEOLOGY

The 1:10,000 Central Canberra Geology Map documents the site to be underlain by Silurian age Abercrombie Formation bedrock, which includes Brown and buff to grey, thin- to thick-bedded, fine- to coarse-grained mica-quartz (\pm feldspar) sandstone, interbedded with laminated siltstone and mudstone. The geology map, which is an extract from Minview that shows the location of the site also indicates the presence of the SW-NE aligned fault located south-east of the site.

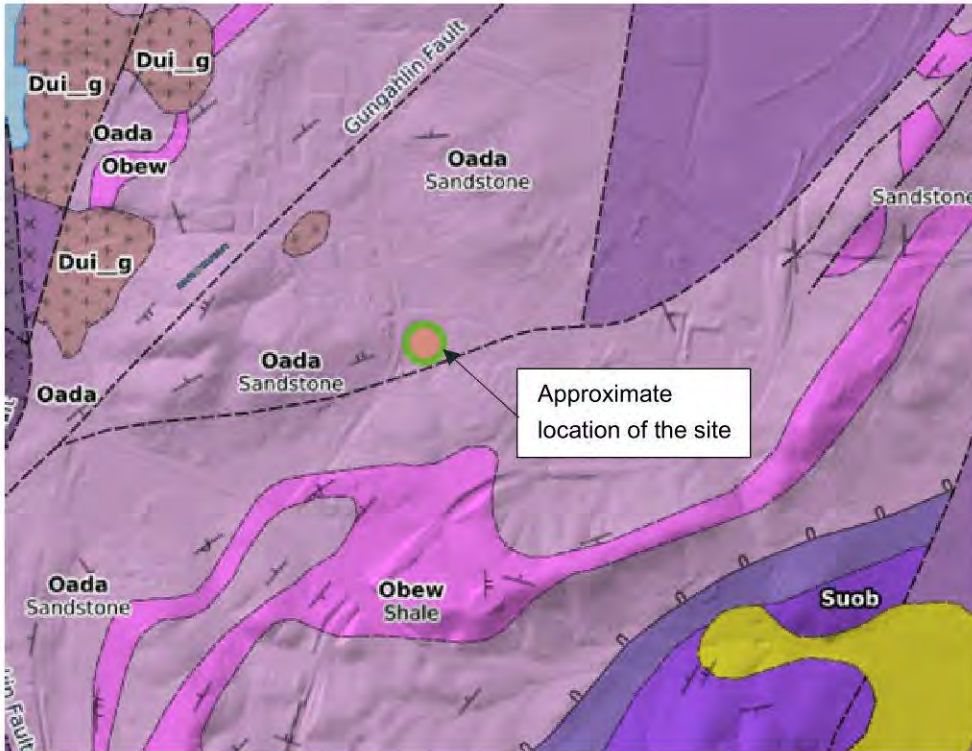


Plate 2-2: Geology Map Extract from Minview Showing Location of the Site

3 INVESTIGATION METHODS

To establish the subsurface conditions, a 250mm diameter Auger was used to drill four (4) boreholes, designated BH1 to BH4, on 25 September 2025. The boreholes were drilled to 4.0m target depth from existing ground level (RL618). The subsurface profiles were logged in general accordance with AS1726-2017. The locations of the boreholes are shown on Figure 2, and the detailed logs are included in Appendix A.

Definitions of geotechnical engineering terms used in the report on the borehole logs, including a copy of the USCS chart, are provided in Appendix B.

4 INVESTIGATION RESULTS

4.1 SUBSURFACE CONDITIONS

The subsurface conditions of the proposed development were investigated by four (4) boreholes. In summary, the results of the investigation indicate that the subsurface profile across the site comprises topsoil, fill, alluvial and residual soil underlain by very low to low strength, XW-HW Sandstone bedrock. The depth to bedrock ranges from 3.2m to below 4.0m.

The logs in Appendix A can be referred to for more detail. The investigation by 4 boreholes found the subsurface profile to comprise as shown in Table 4-1.

Table 4-1: Subsurface Profile Summary

Geological Profile	Unit	Description
TOPSOIL	Unit 1: Silty SAND	Silty SAND ; fine to coarse sand, low plasticity, brown, dark brown, moist, loose.
FILL	Unit 2: SAND	SAND ; coarse sand, yellow, pale brown, with low plasticity silt, moist, loose.
ALLUVIAL SOIL	Unit 3a: Sandy clayey SILT	Sandy Clayey SILT ; low to medium plasticity, fine to coarse sand, grey, pale grey, with fine to coarse angular to sub angular gravel, near plastic limit, firm.
	Unit 3a: Gravelly Sandy CLAY/Sandy CLAY	Gravelly Sandy CLAY/Sandy CLAY ; low to medium plasticity, fine to coarse sand, yellow, red mottled, pale brown, with fine to coarse angular to sub angular gravel, near plastic limit, stiff.
	Unit 3c: Clayey gravelly SAND	Clayey gravelly SAND/Clayey sandy GRAVEL ; fine to coarse angular to sub angular gravel, fine to coarse sand, low plasticity clay, dry to moist, dense.
RESIDUAL SOIL	Unit 4: Gravelly clayey SAND	Gravelly clayey SAND/Gravelly sandy CLAY ; fine to coarse sand, low plasticity, pale brown, pale grey, with fine to coarse angular to sub angular gravel, dry to moist, medium dense to dense.
WEATHERED BEDROCK	Unit 5: Sandstone	SANDSTONE ; extremely weathered (XW), low to medium strength, coarse grained, brown.

The depth intervals of encountered soil in each borehole are shown in Table 4-2.

Table 4-2: Depth Interval of Each Soil/Rock Unit in Each Borehole

Unit	Unit Description	Surface RL (m AHD)	Depth Interval Below Ground Level in Each Borehole (m)			
			BH01	BH02	BH03	BH04
Unit 1	Base Coarse	618.0	0.0 - 0.1	0.0 - 0.1	0.0 - 0.1	0.0 - 0.1
Unit 2	Fill	618.0	0.1 - 0.4	0.1 - 0.4	0.1 - 0.3	0.1 - 0.3
Unit 3	Alluvial Soil	618.0	0.4 - 2.5	0.4 - 2.5	0.3 - 2.5	0.3 - 2.5
Unit 4	Residual soil	618.0	2.5 - 3.7	2.5 - >4.0	2.5 - 3.2	2.5 - 3.3
Unit 5	XW Bedrock	618.0	3.7 - >4.0	-	3.2 - >4.0	3.3 - >4.0

4.2 GROUNDWATER

Groundwater was not encountered in the boreholes and the soils were mostly moist. Permanent groundwater is not expected within at least 3m depth of existing ground surface levels. However, temporary, perched seepages could be encountered within the more pervious alluvial soils following rainfall.

5 DISCUSSION & RECOMMENDATIONS

5.1 GEOTECHNICAL PARAMETERS

Table 5-1 shows the estimated geotechnical parameters of the soil/rock units based on our visual assessment.

Table 5-1: Estimated Geotechnical Parameters

Unit	Typical Interval Depth	Bulk Density γ_b (kN/m ³)	Cu (kPa)	C' (kPa)	ϕ' (degrees)	Young's Modulus (MPa)	Poisson's Ratio	K _a	K ₀	K _p
Unit 3b & 3c: Alluvial Soil (Stiff Clay)	1.0m – 2.5m	20	30	5	26	15	0.35	0.39	0.56	2.56
Unit 4: Residual Soil (Medium Dense Sand)	2.5m – 3.2m/4.0	21	-	-	32	25	0.35	0.31	0.47	3.25
Unit 5: XW Bedrock (low to medium Strength or better)	3.2/3.7m - >4.0m	23	100	10	30	50	0.35	0.33	0.50	3.0

Where,

γ_b	=	in-situ, dry unit weight, in kN/m ³
Cu	=	undrained cohesion, in kPa
C'	=	effective drained cohesion, in kPa
ϕ'	=	effective internal friction angle, in degrees
K _a	=	active pressure coefficient
K ₀	=	at rest coefficient
K _p	=	passive pressure coefficient

The above values can be used in software programs for design; however, it is recommended that the values for lateral earth pressures in Section 5.5 be used as a minimum.

5.2 SITE CLASSIFICATION

Due to the presence of uncontrolled fill materials exceeding 0.6m depth, the site is designated as a Class “P” (problem) site in accordance with AS2870. If the fill is removed, or if footings are founded in the natural soils or weathered bedrock below the fill, a Class “M” (moderately reactive) category can be used in design of new footings. The characteristic ground surface movement “ s_g ”, as defined by AS2870 for the range of normal soil moisture conditions is estimated to be between 40mm and 60mm for the encountered subsurface profile described in Section 2. If a controlled fill certification can be obtained, then the ‘uncontrolled fill’ could be re-classified as ‘controlled fill’, and the “P” classification could be removed.

Normal moisture conditions are those caused by seasonal and regular climatic effects.

Should earthworks (cut or fill) be undertaken on the site, or other activities which may cause abnormal moisture conditions to impact the soils within or near the building envelope beyond those addressed herein, the site classification shall be reassessed.

5.3 BUILDING FOOTINGS

As the site has been classified as Class P, footing design shall be undertaken in accordance with engineering principles, based upon the requirements on AS2870 and the characteristic ground surface movement estimate of 40mm to 60mm.

For structures founded at existing grade, footings, including thickened sections of slabs forming footings should be founded in stiff or better alluvial/residual soil or weathered bedrock below any uncontrolled fill and unsuitable natural soil. A depth of ~0.3/1.0m from existing levels may be required to reach a suitable founding stratum. Shallow footings could be founded in any newly placed controlled fill following removal of any uncontrolled fill material (see Section 5.6).

Shallow excavations are expected to expose stiff alluvial/residual soils (0.3/1.0m depth) over the foundation, and suitable footings include shallow strip/pad footings foundations in the stiff alluvial/residual soil or extremely weathered material. Alternatively, bored piers founded on XW bedrock can be used.

If designing footings based on engineering principles, recommended allowable end-bearing pressures for various footing systems and likely foundation materials are provided in Table 5-2.

Table 5-2: Recommended Allowable End-Bearing Pressures for Footings

Foundation Material Type	Unit	Depth Below Existing Surface Level	Allowable End-Bearing Pressure			Allowable Shaft Adhesion on Piles	
			Strips	Pads	Piles ¹	Downward Loading	Uplift
Newly Placed Controlled Fill (Section 5.7)	-	-	100kPa	125kPa	N.A.	N.A.	N.A.
Alluvial/Residual Soils (stiff or better)	Unit 3b, 3c & 4	~1.0m / 2.5m	125 kPa	150 kPa	200kPa	20kPa	10kPa
XW Bedrock	Units 5	~3.2m/ 3.7m	300kPa	450kPa	600kPa	50kPa	25kPa

¹Assumes a minimum embedment depth of 5 pile diameters

At allowable bearing pressure foundation settlement would be less than 1% of the footing width.

All footings should be inspected and approved by an experienced geotechnical engineer to confirm the foundation material and design values, and to ensure the excavations are clean and stable.

Ground slabs can be constructed on the natural soils, following the removal of any topsoil and loose material. Following excavation to required level, slab areas on soil should be test rolled by a pad foot roller to check for any weak, wet or deforming soils that may require replacement. Suitable replacement fill should be compacted in not thicker than 150mm layers to not less than 95%ModMDD.

If required for design of ground slabs, a modulus of subgrade reaction of 50kPa/mm can be assumed for a natural soil or controlled fill foundation, and 100kPa/mm for a bedrock foundation.

5.4 EXCAVATION CONDITIONS & USE OF EXCAVATED MATERIAL

Proposed excavation depths have not been advised. The soils and XW bedrock within the upper ~4.0m are readily diggable by backhoe and medium sized excavator; however, HW bedrock could be encountered below ~4.0m depth, which may require ripping or rock harmering.

The low/medium plasticity residual soils and weathered bedrock can be used in controlled fill construction of building platforms, although rock particles should be broken down to <75mm size. Any medium to high plasticity soil, and silty topsoil/alluvial material are not typically used in controlled fill construction, but the topsoil could be used in non-structural applications such as landscaping, while high plasticity clays could be used as a clay capping/lining material.

If imported fill is required, a suitable select fill material would include a low or medium plasticity soil such as clayey sand or gravelly clayey sand, containing between 25% and 50% fines less than 0.075mm size (silt and clay), and no particles greater than 75mm size.

5.5 STABLE EXCAVATION BATTERS

Temporary site excavations to 1.5m depth can be formed near vertical, although loose fill should be cut back at 1(H):1(V). If required and space allows, deeper temporary cuts can be formed at 1(H):1(V) or benched at 1.5m intervals in soils. If steeper temporary cuts are required, reinforced shotcrete stabilization or soldier piles could be considered. A geotechnical engineer should inspect all cut batters during construction to confirm stability. Exposed temporary batters should be protected from the weather by black plastic pinned to the face with link-wire mesh, or similar.

Permanent cut & fill batter slopes should be formed at no steeper than 2(H):1(V) in soil and XW bedrock and be protected against erosion by shotcreting, stone pitching or other suitable methods. Alternatively permanent excavations can be supported by structural retaining walls.

5.6 LOW RETAINING WALLS

Low retaining walls (<3m high) constructed in open excavation, with the gap between the excavation face and the wall backfilled later, can be designed for an earth pressure distribution given by:

$$\sigma_h = (K\gamma'h) + Kq$$

where,

σ_h is the horizontal earth pressure acting on the back of the wall, in kPa

K is the dimensionless coefficient of earth pressure; this can be assumed to be 0.4 when the top of the wall is unrestrained horizontally, and 0.5 when the top of the wall is restrained (i.e. by building slabs etc.)

γ' is the effective unit weight of the backfill, and can be assumed to be 20kN/m³ for a lightly compacted soil backfill

h is the height of the backfill, in metres

q is any uniform distributed vertical surcharge acting on the top of the backfill, in kPa

Apart from structural restraints such as floor slabs, resistance to overturning and sliding of retaining walls is provided by frictional and adhesive resistance on the base, and by passive resistance at the toe of the wall. For a natural soil or controlled fill foundation, an ultimate base friction factor ($\tan\delta$) of 0.4, base adhesion (c) of 5kPa, and allowable passive earth pressure coefficient $K_p=2.5$ can be used for calculation of sliding resistance. For calculating sliding resistance of concrete on the weathered bedrock, an ultimate base friction factor ($\tan\delta$) of 0.6 can be used, with an ultimate base adhesion (c) value of 10kPa, and allowable passive earth pressure coefficient $K_p= 3.0$.

Free-draining granular backfill or synthetic fabric drains should be installed behind all walls. These should connect to weep holes and/or a collector drain, and ultimately to the stormwater system. Granular backfill should be wrapped in a suitable filter fabric to minimise infiltration of silt/clay fines.

5.7 CONTROLLED FILL CONSTRUCTION

For construction of any new fill foundation platforms and road subgrades, it is recommended that:

- Areas be fully stripped of all uncontrolled fill and unsuitable natural soil. A stripping depth of ~0.3m/1.0m may be required. Stripped foundations should be test rolled by a vibratory pad-foot roller of not less than 9 tonne static mass to check for any weak or wet areas that would require replacement. No fill should be placed until a geotechnical engineer has confirmed the suitability of the foundation. If a controlled fill certification can be obtained, then the 'uncontrolled fill' could be re-classified as 'controlled fill', and would not need to be stripped off.
- Controlled fill comprising suitable site excavated or imported materials of not greater than 75mm maximum particle size, be compacted in not greater than 150mm layers to not less than 95%ModMDD at about OMC.
- Fill placement and control testing be overviewed and certified by a geotechnical engineer at Level 1 or 2 involvement of AS3798 – 2007 "Guidelines on Earthworks for Commercial & Residential Developments".

5.8 GROUNDWATER CONTROL

Groundwater was not encountered in the test pits during the investigation. The permanent groundwater table is expected to be well below expected excavations, although temporary perched seepages will be present following rain, but should be readily controllable through the use of pumps during construction.

Suitable surface drainage should be provided to ensure rainfall run-off or other surface water cannot pond against buildings or pavements. Drainage should be provided behind all retaining walls, and subsoil drains should be installed along the upslope sides of access roads and carparks.

5.9 EARTHQUAKE SITE FACTOR

Table 2.3 of AS1170.4 "Minimum Design Loads on Structures - Part 4: Earthquake Loads" lists the earthquake acceleration coefficients for major centers to be considered in structural design. The Canberra area has an acceleration coefficient of 0.08.

Section 4.2 of AS1170.4 "Minimum Design Loads on Structures – Part 4: Earthquake Loads" lists the site sub-soil classes to be considered in structural design. The site is classified as a "Class C_e – Shallow Soil Site".

5.10 GEOTECHNICAL INSPECTIONS

The following should be used as a guideline for hold points that require geotechnical inspections:

- All Footing excavations prior to pouring concrete
- All groundslabs to confirm the soil profile and bearing in adequate material.
- All unsupported excavations deeper than 1.5m to ensure batter stability
- Between 10% and 20% of all ground anchors be fully logged by a geotechnical engineer to confirm the design assumption for bond stress are correct
- All mobile crane and concrete pump foundations prior to mobile crane setting up on site
- All scaffold and formwork foundations on soil
- Vibration monitoring where rock hammering for the basement excavation is being conducted
- All groundslab and pavement subgrade foundations

Fortify Geotech Pty Ltd

REFERENCES

Australia. Bureau of Mineral Resources, Geology and Geophysics. (1980). Canberra 1:10 000 engineering geology series.

Standards Australia, "AS2870 – 2011 - Residential Slabs & Footings".

Standards Australia, "AS3798 – 2007 - Guidelines on earthworks for commercial and residential developments".

Standards Australia, "AS1170.4 – 2007 – Minimum Design Loads on Structures – Part 4 Earthquake Loads".

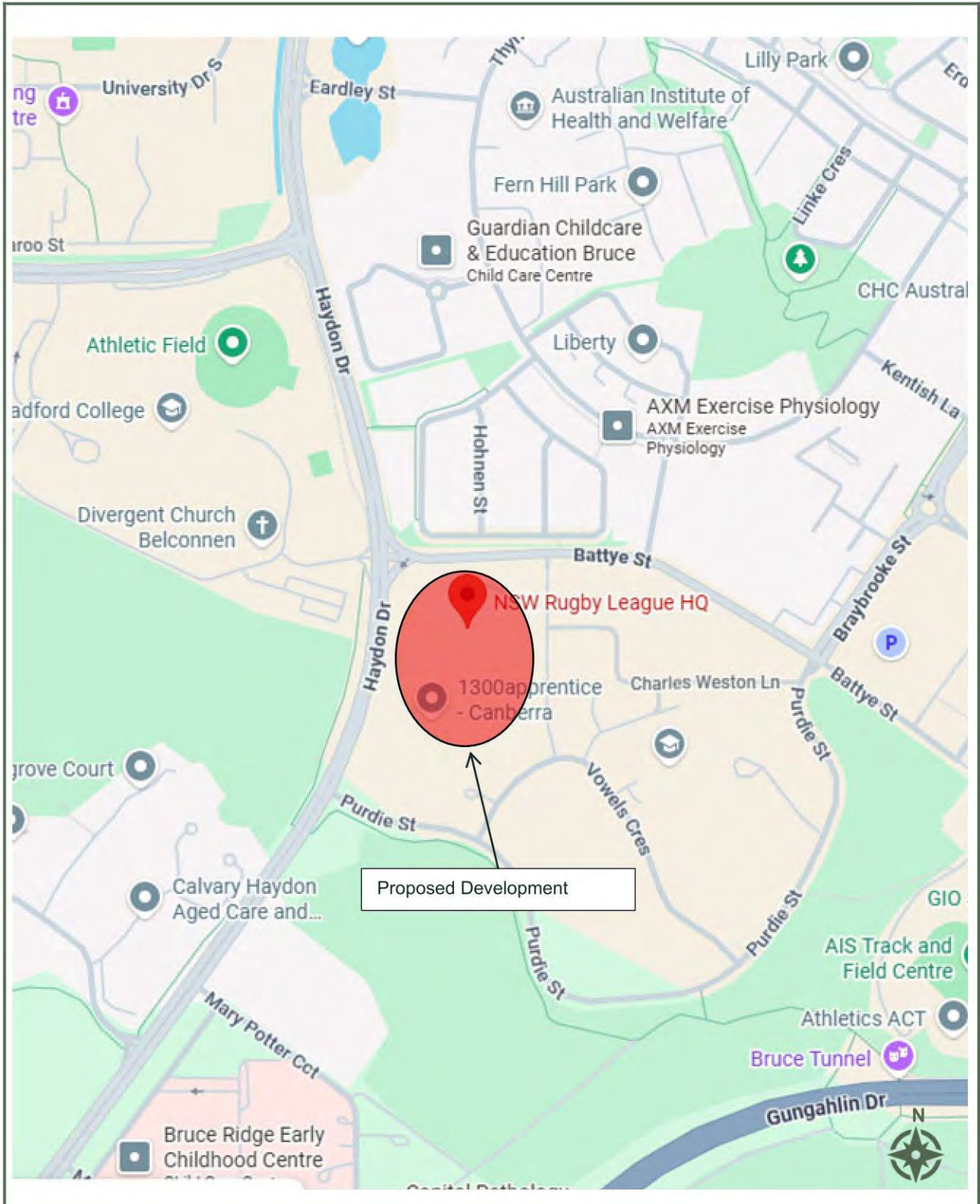


FIGURE 1: SITE LOCALITY

C16855

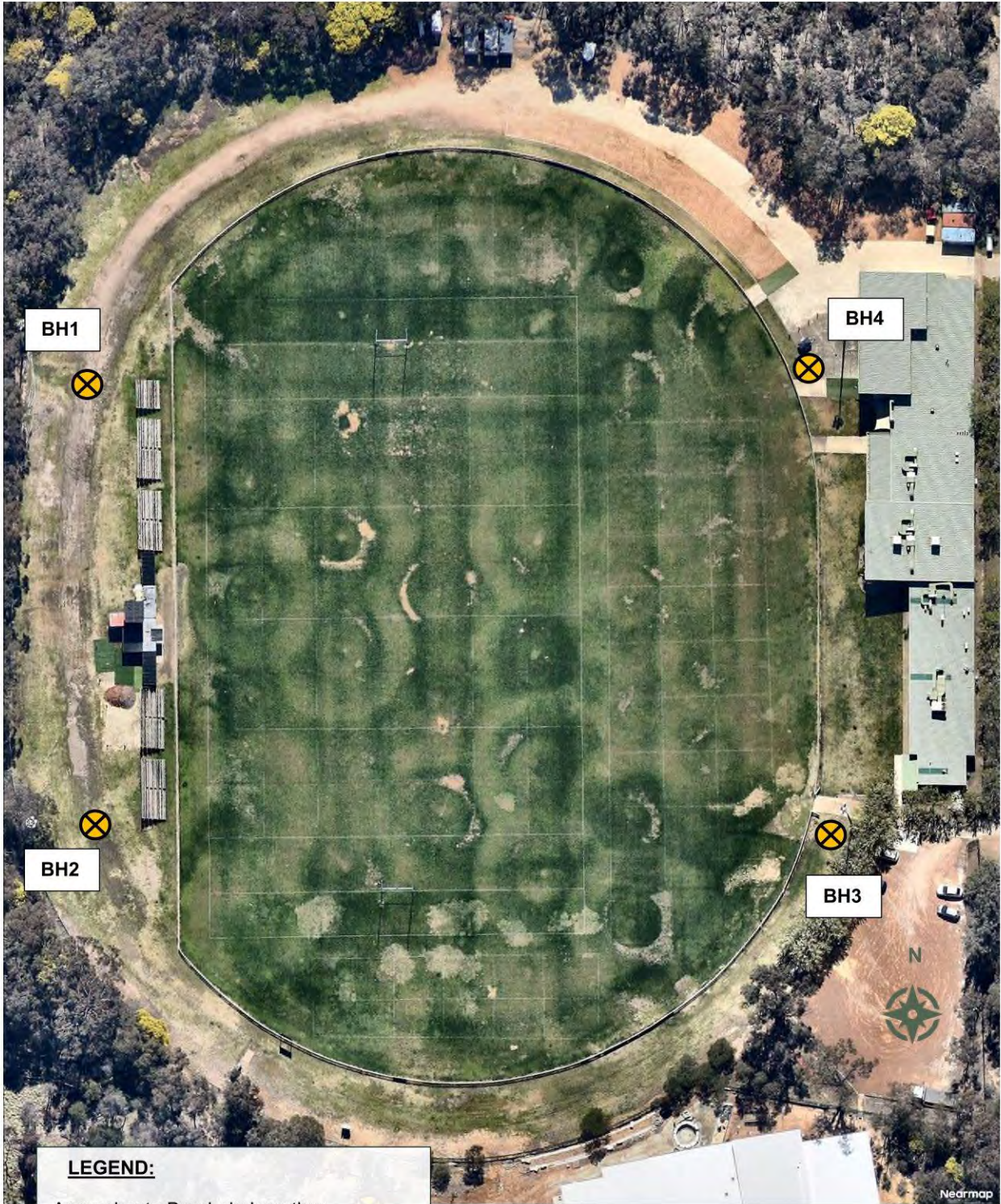


FIGURE 2: AERIAL PHOTOGRAPH SHOWING APPROXIMATE BOREHOLE LOCATIONS

C16855



Appendix A

Borehole Logs BH1 to BH4

Borehole Log

Borehole No.	BH01
Sheet	1 of 1
Job No.	C16855
Location	: See Report
Collar Level	: Not Known
Angle From Vertical	: 0°
Bearing	: N.A.

CLIENT:	Belconnen United Sharks RLFC
PROJECT	Proposed Sports Lighting 2 Eade Street, Bruce, ACT
Equipment Type	: Auger
Hole Diameter	: 250mm

Sample No.	Water	Method/Casing	RL (m)	Depth (m)	Graphic Log	U.S.C.S.	Material Description, Structure <small>Soil Type: Plasticity or Particle Characteristics, Colour, Secondary and Minor Components, Moisture, Structure</small>	Moisture Condition	Consistency or Relative Density	Field Test Results	Geological Profile	
				0.1		SM	Silt SAND; fine to coarse sand, low plasticity, brown, dark brown, moist, loose.	M	L	DCP <small>Dynamic Cone Penetration Test, Results in Blows per 100mm</small> 2 3 4 4 6 5 4 3 3 3 5	TOPSOIL	
				0.4		SP	SAND; coarse sand, yellow, pale brown, with low plasticity silt, moist, loose.	M	L		FILL	
				1.0		ML	Sandy Clayey SILT; low to medium plasticity, fine to coarse sand, grey, pale grey, near plastic limit, firm.	w~PL	F		ALLUVIAL SOIL	
				1.2		CL	Sandy CLAY; low plasticity, fine to coarse sand, pale brown, near plastic limit, firm to stiff.	w~PL	F-St			
				1.5		CL	Sandy CLAY; low plasticity, fine to coarse sand, pale brown, near plastic limit, stiff.	w~PL	St			
				2.0								
				2.5								
				3.0		CL	Gravelly Sandy CLAY/Gravelly clayey SAND; low plasticity, fine to coarse sand, pale brown, yellow, red mottled, with fine to medium sub angular to sub rounded gravel, cobbles at 3.5 - 3.7m, moist, medium dense to dense.	M	MD-D		RESIDUAL SOIL	
				3.7								
				4.0				SANDSTONE; extremely weathered (XW), low to medium strength, coarse grained, brown.				BEDROCK
				4.5			BOREHOLE TERMINATED AT 4m Target Depth					

None Encountered
AUGERING

BOREHOLE/EXCAVATION LOG C:16855.GPJ EXC.GDT 29/9/25

Logged By : EH Date : 29/9/25 Checked By : RO Date : 29/9/25

Borehole Log

Borehole No.	BH02
Sheet	1 of 1
Job No.	C16855
Location	: See Report
Collar Level	: Not Known
Angle From Vertical	: 0°
Bearing	: N.A.

CLIENT:	Belconnen United Sharks RLFC
PROJECT	Proposed Sports Lighting 2 Eade Street, Bruce, ACT
Equipment Type	: Auger
Hole Diameter	: 250mm

Sample No.	Water	Method/ Casing	RL (m)	Depth (m)	Graphic Log	U.S.C.S.	Material Description, Structure <small>Soil Type: Plasticity or Particle Characteristics, Colour, Secondary and Minor Components, Moisture, Structure</small>	Moisture Condition	Consistency or Relative Density	Field Test Results	Geological Profile
				0.1		SM	Silt SAND; fine to coarse sand, low plasticity, brown, dark brown, moist, loose.	M	L		TOPSOIL
				0.4		SP	SAND; coarse sand, yellow, pale brown, with low plasticity silt, moist, loose.	M	L		FILL
				0.4		ML	Sandy Clayey SILT; low to medium plasticity, fine to coarse sand, grey, pale grey, with fine to coarse angular to sub angular gravel, near plastic limit, firm.	w~PL	F		ALLUVIAL SOIL
				1.0		CL	Gravelly Sandy CLAY; low to medium plasticity, fine to coarse sand, with fine to coarse angular to sub angular gravel, near plastic limit, firm to stiff.	w~PL	F-St		
				1.5		CL	Sandy CLAY; low plasticity, fine to coarse sand, pale brown, near plastic limit, firm to stiff.	w~PL	St		
				2.0							
				2.5		CL	Gravelly Sandy CLAY/Gravelly clayey SAND; low plasticity, fine to coarse sand, pale brown, yellow, red mottled, with fine to medium sub angular to sub rounded gravel, moist, medium dense to dense.	M	MD-D		
				3.0		CL	Gravelly Sandy CLAY; low plasticity, fine to coarse sand, pale brown, pale grey, with fine to coarse angular to sub angular gravel, dry of plastic limit, stiff to very stiff.	w<PL	St-V.St		RESIDUAL SOIL
				4.0							
				4.0			BOREHOLE TERMINATED AT 4m Target Depth				
				4.5							

None Encountered
AUGERING

BOREHOLE/EXCAVATION LOG C:16855.GPJ EXC.GDT 29/9/25

Logged By : EH	Date : 29/9/25	Checked By : RO	Date : 29/9/25
-----------------------	-----------------------	------------------------	-----------------------

Borehole Log

Borehole No.	BH03
Sheet	1 of 1
Job No.	C16855
Location	: See Report
Collar Level	: Not Known
Angle From Vertical	: 0°
Bearing	: N.A.

CLIENT:	Belconnen United Sharks RLFC
PROJECT	Proposed Sports Lighting 2 Eade Street, Bruce, ACT
Equipment Type	: Auger
Hole Diameter	: 250mm

Sample No.	Water	Method/ Casing	RL (m)	Depth (m)	Graphic Log	U.S.C.S.	Material Description, Structure <small>Soil Type: Plasticity or Particle Characteristics, Colour, Secondary and Minor Components, Moisture, Structure</small>	Moisture Condition	Consistency or Relative Density	Field Test Results	Geological Profile
				0.1		SM	Silt SAND; fine to coarse sand, low plasticity, brown, dark brown, moist, loose.	M	L		TOPSOIL
				0.3		SP	SAND; coarse sand, yellow, pale brown, with low plasticity silt, moist, loose.	M	L		FILL
				0.3		CL	Gravelly Sandy CLAY; low to medium plasticity, fine to coarse sand, yellow, red mottled, pale brown, with fine to coarse angular to sub angular gravel, near plastic limit, stiff.	w~PL	St		ALLUVIAL SOIL
				1.0							
				1.2		CL	Gravelly Sandy CLAY/Gravelly Clayey SAND; low plasticity, fine to coarse sand, yellow, pale brown, with fine to coarse angular to sub angular gravel, dry of plastic limit, stiff/medium dense.	w<PL	St		
				1.8		SP	Clayey gravelly SAND/Clayey sandy GRAVEL; fine to coarse angular to sub angular gravel, fine to coarse sand, low plasticity clay, dry to moist, dense.	D-M	D		
				2.0							
				2.5		SP	Gravelly clayey SAND; fine to coarse sand, low plasticity, pale brown, pale grey, with fine to coarse angular to sub angular gravel, dry to moist, medium dense to dense.	D-M	MD-D		RESIDUAL SOIL
				3.0							
				3.2			SANDSTONE; extremely weathered (XW), low to medium strength, coarse grained, brown.				BEDROCK
				4.0							
				4.0			BOREHOLE TERMINATED AT 4m Target Depth				
				4.5							

None Encountered
AUGERING

BOREHOLE/EXCAVATION LOG C:16855.GPJ EXC.GDT 29/9/25

Logged By : EH	Date : 29/9/25	Checked By : RO	Date : 29/9/25
-----------------------	-----------------------	------------------------	-----------------------

Borehole Log

Borehole No.	BH04
Sheet	1 of 1
Job No.	C16855
Location	: See Report
Collar Level	: Not Known
Angle From Vertical	: 0°
Bearing	: N.A.

CLIENT:	Belconnen United Sharks RLFC
PROJECT	Proposed Sports Lighting 2 Eade Street, Bruce, ACT
Equipment Type	: Auger
Hole Diameter	: 250mm

Sample No.	Water	Method/ Casing	RL (m)	Depth (m)	Graphic Log	U.S.C.S.	Material Description, Structure <small>Soil Type: Plasticity or Particle Characteristics, Colour, Secondary and Minor Components, Moisture, Structure</small>	Moisture Condition	Consistency or Relative Density	Field Test Results	Geological Profile		
				0.1		SM	Silt SAND; fine to coarse sand, low plasticity, brown, dark brown, moist, loose.	M	L		TOPSOIL		
				0.3		SP	SAND; coarse sand, yellow, pale brown, with low plasticity silt, moist, loose.	M	L		FILL		
				0.3		CL	Gravelly Sandy CLAY; low to medium plasticity, fine to coarse sand, grey, pale grey, with fine to coarse angular to sub angular gravel, 20cm of cobbles, near plastic limit, firm to stiff.	w~PL	F-St		ALLUVIAL SOIL		
				1.0		CL	Sandy CLAY; low plasticity, fine to coarse sand, yellow, pale brown, red mottled, trace of fine to coarse sub angular to sub rounded gravel, near plastic limit, stiff.	w~PL	St				
				2.5		CL	Gravelly Sandy CLAY; low plasticity, fine to coarse sand, pale grey, grey, red mottled, near plastic limit, firm to stiff.	w~PL	St		RESIDUAL SOIL		
				3.8			SANDSTONE; extremely weathered (XW), low to medium strength, coarse grained, brown.				BEDROCK		
				4.0	BOREHOLE TERMINATED AT 4m Target Depth								
				4.5									

None Encountered
AUGERING

BOREHOLE/EXCAVATION LOG C:16855.GPJ EXC.GDT 29/9/25

Logged By :	EH	Date :	29/9/25	Checked By :	RO	Date :	29/9/25
-------------	----	--------	---------	--------------	----	--------	---------

Appendix B

Definitions of Geotechnical Engineering Terms

Limitations in the Use and Interpretation of this Geotechnical Report

Our Professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

The geotechnical report was prepared for the use of the Owner in the design of the subject facility and should be made available to potential contractors and/or the Contractor for information on factual data only. This report should not be used for contractual purposes as a warranty of interpreted subsurface conditions such as those indicated by the interpretive boring and test pit logs, cross- sections, or discussion of subsurface conditions contained herein.

The analyses, conclusions and recommendations contained in the report are based on site conditions as they presently exist and assume that the exploratory borings, test pits, and/or probes are representative of the subsurface conditions of the site. If, during construction, subsurface conditions are found which are significantly different from those observed in the exploratory borings and test pits, or assumed to exist in the excavations, we should be advised at once so that we can review these conditions and reconsider our recommendations where necessary. If there is a substantial lapse of time between the submission of this report and the start of work at the site, or if conditions have changed due to natural causes or construction operations at or adjacent to the site, this report should be reviewed to determine the applicability of the conclusions and the recommendations considering the changed conditions and time lapse.

The Summary Boring Logs are our opinion of the subsurface conditions revealed by periodic sampling of the ground as the borings progressed. The soil descriptions and interfaces between strata are interpretive and actual changes may be gradual.

The boring logs and related information depict subsurface conditions only at the specific locations and at the particular time designated on the logs. Soil conditions at the other locations may differ from conditions occurring at these boring locations. Also, the passage of time may result in a change in the soil conditions at these boring locations.

Groundwater levels often vary seasonally. Groundwater levels reported on the boring logs or in the body of the report are factual data only for the dates shown.

Unanticipated soil conditions are commonly encountered on construction sites and cannot be fully anticipated by merely taking soil samples, borings or test pits. Such unexpected conditions frequently require that additional expenditures be made to attain a properly constructed project. It is recommended that the Owner consider providing a contingency fund to accommodate such potential extra costs.

This firm cannot be responsible for any deviation from the intent of this report including, but not restricted to, any changes to the scheduled time of construction, the nature of the project or the specific construction methods or means indicated in this report: nor can our firm be responsible for any construction activity on sites other than the specific site referred to in this report.

DESCRIPTION AND CLASSIFICATION OF SOIL

The methods of description and classification of soils used in this report are based on the Australian Standard 1726 – 2017, Geotechnical site investigations. In general, soils are described along the following characteristics: soil name, plasticity or behavioural or particle characteristics of the primary soil component, colour, secondary soil components' plasticity or behavioural or particle characteristics, condition, structure, inclusions, strength or density and origin.

GENERAL DEFINITION - SOIL

SOIL In engineering usage, soil is a natural aggregate of mineral grains which can be separated by gentle mechanical means as agitation in water, can be remoulded and can be classified according to the Unified Soil Classification System.

SOIL ORIGIN

Soil origins fall into the following categories:

- Residual soil:** Soils which have been formed in-situ by the chemical weathering of parent rock. These soils no longer retain any visible structure or fabric of the parent soil or rock material.
- Extremely weathered material:** Formed directly from in situ weathering of geological formations. Although this material of soil strength it retains the structure and/or fabric of the parent rock material.
- Alluvial soil:** Deposited by streams and rivers.
- Estuarine soil:** Deposited in coastal estuaries, and including sediments carried by inflowing rivers and streams, and tidal currents.
- Marine soil:** Deposited in a marine environment.
- Lacustrine soil:** Deposited in freshwater lakes.
- Aeolian soil:** Carried and deposited by wind.
- Colluvial soil:** Soil and rock debris transported down slopes by gravity, with or without the assistance of flowing water.
- Topsoil:** Mantle of surface and/or near-surface soil often but not always defined by high levels of organic material, both dead and living.
- Fill:** Any material which has been placed by anthropogenic processes.

SOIL CLASSIFICATION

PARTICLE SIZE DEFINITIONS

Soil components are described according to the predominating particle size, qualified by the grading of other particles present (e.g. sandy clay) on the following basis:

Classification	Components	Subdivision	Particle Size (mm)
Oversize	Boulders		>200
	Cobbles		63 to 200
Coarse grained soil	Gravel	Coarse	19 to 63
		Medium	6.7 to 19
		Fine	2.36 to 6.7
	Sand	Coarse	0.6 to 2.36
		Medium	0.21 to 0.6
		Fine	0.075 to 0.21
Fine grained soil	Silt		0.002 to 0.075
	Clay		<0.002

MOISTURE CONDITION

Coarse Grained Soil		Fine Grained Soil	
Dry (D)	Non-cohesive and free-running.	Moist, dry of plastic limit ($w < W_P$)	Hard and friable or powdery.
Moist (M)	Soil feels cool, darkened in colour. Soil tends to stick together.	Moist, near plastic limit ($w \approx W_P$)	Soils can be moulded at a moisture content approximately equal to the plastic limit.
Wet (W)	As for moist, with free water forming when handled.	Moist, wet of plastic limit ($w > W_P$)	Soils usually weakened and free water forms on hands when handling.
		Wet, near liquid limit ($w \approx W_L$)	Near liquid limit.
		Wet, wet of liquid limit ($w > W_L$)	Wet of liquid limit.

CONSISTENCY/RELATIVE DENSITY

Cohesive soils are classified on the ease by which the soil can be remoulded and can be either assessed in the field by tactile means, by laboratory testing or through mechanical determination methods. Non-cohesive soils are classified on the basis of relative density, generally from the results of in-situ penetration tests and terms for both are defined as below:

Cohesive Soils			Non-cohesive Soils	
Consistency	Indicative Undrained Shear Strength s_u (kPa)	Field Guide to Consistency	Term	Relative Density (%)
Very soft (VS)	≤ 12	Exudes between the fingers when squeezed in hand.	Very Loose (VL)	≤ 15
Soft (S)	$>12 - \leq 25$	Can be moulded by light finger pressure.	Loose (L)	$>15 - \leq 35$
Firm (F)	$>25 - \leq 50$	Can be moulded by strong finger pressure.	Medium Dense (MD)	$>35 - \leq 65$
Stiff (St)	$>50 - \leq 100$	Cannot be moulded by fingers.	Dense (D)	$>65 - \leq 85$
Very Stiff (VSt)	$>100 - \leq 200$	Can be indented by thumb nail.	Very Dense (VD)	>85
Hard (H)	>200	Can be indented with difficulty by thumb nail.		
Friable (Fr)	-	Can be easily crumbled or broken into small pieces by hand.		

MINOR COMPONENTS

Descriptive Term	Assessment Guide	Proportion of minor component in:
With	Easily detectable by visual or tactile means and little difference between general properties and properties of primary component.	Coarse grained soils: Fines – 5 to 12% Accessory coarse component – 15 to 30% Fine grained soils: Coarse component - 15 to 30%
Trace	Detectable by visual or tactile means but little or no difference between general properties and properties of primary component.	Coarse grained soils: Fines – <5% Accessory coarse component – <15% Fine grained soils: Coarse component - <15%

CEMENTATION

Where cementation is present in soils, they can be either weakly cemented where they are easily disaggregated by hand in air or water or moderately cemented where effort is required to disaggregate the soil by hand in air or water.

SAMPLING

Sampling is carried out during drilling to allow engineering examination (and laboratory testing where required) of soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are generally taken by one of two methods:

1. Driving or pushing a thin walled sample tube into the soil and withdrawing with a sample of soil in a relatively undisturbed state.
2. Core drilling using a retractable inner tube (R.I.T.) core barrel.

Such samples yield information on structure and strength in additions to that obtained from disturbed samples and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

Details of the type and method of sampling are given in the report.

PENETRATION TESTING

The relative density of non-cohesive soils is generally assessed by in-situ penetration tests, the most common of which is the standard penetration test. The test procedure is described in Australian Standard 1289 "Testing Soils for Engineering Purposes" – Test No. F3.1.

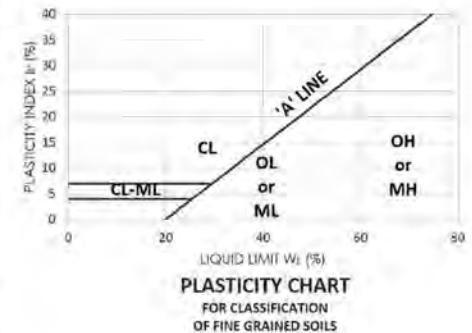
The standard penetration test is carried out by driving a 50mm diameter split tube penetrometer of standard dimensions under the impact of a 63kg hammer having a free fall of 750mm.

The "N" value is determined as the number of blows to achieve 300mm of penetration (generally after disregarding the first 150mm penetration through possibly disturbed material). The results of these tests can be related empirically to the engineering properties of the soil.

The test is also used to provide useful information in cohesive soils under certain conditions, a good quality disturbed sample being recovered with each test. Other forms of in situ testing are used under certain conditions and where this occurs, details are given in the report.

Unified Soil Classification System (Metricated) Data for Description Identification and Classification of Soils

MAJOR DIVISIONS	DESCRIPTION				FIELD IDENTIFICATION				LABORATORY CLASSIFICATION											
	Group Symbol	Graphic Symbol	TYPICAL NAME	DESCRIPTIVE DATA	GRAVELS AND SANDS			Group Symbol	% < 0.075 mm	PLASTICITY OF FINE FRACTION	Coefficient of Uniformity C_u	Coefficient of Curvature C_c	Notes							
					GRADATIONS	NATURE OF FINES	DRY STRENGTH													
COARSE GRAINED SOILS	GRAVELS More than 65% by dry mass; less than 63mm is greater than 0.075mm.	GW		Well graded gravels and gravel-sand mixtures, little or no fines	COARSE GRAINED SOILS More than 65% of material less than 63mm is greater than 0.075mm.	A 0.075mm particle is about the smallest particle visible to the naked eye.	GOOD	Wide range in grain size	"Clean" materials (not enough fines to bond coarse grains)	None	GW	0-5	-	>4	Between 1 and 3	1. Identify lines by the method given for fine grained soils. 2. For fines contents between 5% and 12%, the soil shall be given a dual classification comprising the two group symbols separated by a dash, e.g. for a gravel with between 5% and 12% silt fines, the classification is GP-GM. 3. Soils that are dominated by boulders, cobbles or peat (PI) are described separately and are not classified.				
		GP		Poorly graded gravels and gravel-sand mixtures, little or no fines			POOR	Predominantly one size or range of sizes			GP	0-5	Fails to comply with above							
		GM		Silty gravels, gravel-sand-silt mixtures			GOOD TO FAIR	"Dirty" materials (Excess of fines)	Fines are silty (I)	None to medium	GM	12-50	Below 'A' line and $I_p > 7$							
		GC		Clayey gravels, gravel-sand-clay mixtures					Fines are clayey (I)	Medium to high	GC	12-50	Above 'A' line and $I_p > 7$							
	SANDS More than 50% of coarse grains are less than 2.36mm.	SW		Well graded sands and gravelly sands, little or no fines	COARSE GRAINED SOILS More than 65% of material less than 63mm is greater than 0.075mm.	A 0.075mm particle is about the smallest particle visible to the naked eye.	GOOD	Wide range in grain size	"Clean" materials (not enough fines to bond coarse grains)	None	SW	0-5	-	>4	Between 1 and 3					
		SP		Poorly graded sands, little or no fines			POOR	Predominantly one size or range of sizes			SP	0-5	Fails to comply with above							
	SANDY SOILS More than 50% of coarse grains are less than 2.36mm.	SM		Silty sand, sand-silt mixtures	COARSE GRAINED SOILS More than 65% of material less than 63mm is greater than 0.075mm.	A 0.075mm particle is about the smallest particle visible to the naked eye.	GOOD TO FAIR	"Dirty" materials (Excess of fines)	Fines are silty (I)	None to medium	SM	12-50	Below 'A' line or $I_p < 4$							
		SC		Clayey sands, sand-clay mixtures					Fines are clayey (I)	Medium to high	SC	12-50	Above 'A' line and $I_p > 7$							
	FINE GRAINED SOILS	Liquid Limit less than 50%.	ML		Inorganic silts, very fine sands, rock flour, silty or clayey fine sands.	FINE GRAINED SOILS More than 35% of material less than 63mm is smaller than 0.075mm.	A 0.075mm particle is about the smallest particle visible to the naked eye.	SILT AND CLAY FRACTION Fraction smaller than 0.2 mm AS sieve size			Use the gradation curve of material passing 63mm for classification of fractions according to criteria for major component.	More than 50% of material is less than 63mm passing 0.075mm.	Below 'A' line	CL	OH or MH					
			CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays			DRY STRENGTH	DILATANCY	TOUGHNESS							ML	None to low	Slow to rapid	Low
OL				Organic silts and organic silty clays of low plasticity	Medium to high			None to slow	Medium	CL, CI						Medium to high			CL, CI	Above 'A' line
MH				Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts	Low to medium			Slow	Low	OL						Low to medium			OL	Below 'A' line
CH				Inorganic clays of high plasticity, fat clays	Low to medium			None to slow	Low to medium	MH						Low to medium			MH	Below 'A' line
OH				Organic clays of medium to high plasticity	High to very high			None	High	CH						High to very high			CH	Above 'A' line
Liquid Limit more than 50%.		PT		Peat muck and other highly organic soils	FINE GRAINED SOILS More than 35% of material less than 63mm is smaller than 0.075mm.	A 0.075mm particle is about the smallest particle visible to the naked eye.					PT					* Effervescence with H ₂ O ₂				



DESCRIPTION AND CLASSIFICATION OF ROCK

The methods of description and classification of rock used in this report are based on the Australian Standard 1726 – 2017, Geotechnical site investigations. In general, descriptions cover the following properties for rock – rock name, grain size, colour, fabric and texture, inclusions or minor components, moisture content, durability, rock material condition including strength and weathering and/or alteration, defects and geological description.

GENERAL DEFINITIONS – ROCK

ROCK In engineering usage, rock is a natural aggregate of minerals connected by strong and permanent cohesive forces. Since “strong” and “permanent” are subject to different interpretations, the boundary between rock and soil is necessarily an arbitrary one. Rock material is intact rock that is bounded by defects.

DEFECT Discontinuity, fracture, break or void in the material or materials across which there is little or no tensile strength.

STRUCTURE The nature and configuration of the different defects within the rock mass and their relationship to each other.

ROCK MASS The entirety of the system formed by all of the rock material and all the defects that are present.

DESCRIPTIVE TERMS

ROCK NAME Simple rock names are used rather than precise geological classification. Rock names fall into category types of sedimentary rocks, igneous rocks, metamorphic rocks and duricrust rocks.

PARTICLE SIZE

Grain size terms for sedimentary rocks with predominantly sand sized grains are:

Coarse grained – mainly 0.6mm to 2mm.

Medium grained – mainly 0.2mm to 0.6mm.

Fine grained – mainly 0.06mm (just visible) to 0.2mm.

In igneous and metamorphic rock types, where significant, the following terms are used to describe the dominant or average grain size and/or the grain size may be recorded in millimetres:

Coarse grained – mainly greater than 2mm.

Medium grained – mainly 0.06mm to 2mm.

Fine grained – mainly less than 0.06mm (just visible).

If readily identifiable, the minerals should be described.

FABRIC

When the arrangement of grains shows an alignment, a preferred orientation or a layering that is visible, descriptive terms for sedimentary rocks are bedding and lamination. Bedding is layering produced by changes in sedimentation. Lamination is similar to bedding but developed in layer thicknesses of less than 20mm. Fabric descriptive terms for metamorphic rocks are foliation, which is the parallel arrangement of minerals due to metamorphic processes and cleavage, which is a type of foliation developed in fine grained metamorphic rocks such as slates. For igneous rocks, flow banding is a layering produced during flow of a partially solidified igneous rock that causes crystals to become oriented.

INDISTINCT FABRIC

Where layering or fabric is just visible. There is little effect on strength properties.

DISTINCT FABRIC

Where layering or fabric is easily visible. The rock may break more easily parallel to the fabric.

ROCK WEATHERING DEFINITIONS

Extremely Weathered (XW)	Rock substance affected by weathering to the extent that the rock exhibits soil properties, i.e. it can be remoulded and can be classified according to the Unified Soil Classification System, but the texture of the original rock is still evident.
Highly Weathered (HW)	Rock substance affected by weathering to the extent that limonite staining or bleaching affects the whole of the rock substance and other signs of the chemical or physical decomposition are evident. Porosity and strength may be increased or decreased compared to the fresh rock usually as a result of iron leaching or deposition. The colour and strength of the original fresh rock substance is no longer recognisable.
Moderately Weathered (MW)	Rock substance affected by weathering to the extent that staining extends throughout the whole of the rock substance and the original colour of the fresh rock is no longer recognisable.
Slightly Weathered (SW)	Rock substance affected by weathering to the extent that partial staining or discolouration of the rock substance, usually limonite, has taken place. The colour and texture of fresh rock is recognisable.
Fresh (FR)	Rock substance unaffected by weathering.

The degrees of rock weathering may be gradational. Intermediate stages are described by dual symbols with the prominent degree of weathering first (e.g. EW-HW).

The various degrees of weathering do not necessarily define strength parameters as some rocks are of low strength, even when fresh, to the extent that they can be broken by hand across the fabric, and some rocks may increase in strength during the weathering process.

ROCK STRENGTH

Rock strength is defined by the Point Load Strength Index ($I_{s(50)}$) and refers to the strength of the rock substance in the direction normal to the bedding. The test procedure is described by the International Society of Rock Mechanics.

Term	Point Load Strength Index $I_{s(50)}$ MPa	Field Guide	Approx Unconfined Compressive Strength MPa*
Very Low Strength (VL)	0.03 to 0.1	Material crumbles under firm blows with sharp end of pick; can be peeled with knife; too hard to cut a triaxial sample by hand. Pieces up to 30mm thick can be broken by finger pressure.	0.6 to 2
Low Strength (L)	0.1 to 0.3	Easily scored with a knife; indentations 1 mm to 3mm show in the specimen with firm blows of the pick point; has dull sound under hammer. A piece of core 150 mm long by 50 mm diameter may be broken by hand. Sharp edges of core may be friable and break during handling.	2 to 6
Medium Strength (M)	0.3 to 1	Readily scored with a knife; a piece of core 150mm long x 50mm dia. can be broken by hand with difficulty.	6 to 20
High Strength (H)	1 to 3	A piece of core 150mm long x 50mm dia. cannot be broken by hand but can be broken by a pick with a single firm blow, rock rings under hammer.	20 to 60
Very High Strength (VH)	3 to 10	Hand specimen breaks with pick after more than one blow; rock rings under hammer.	60 to 200
Extremely High Strength (EH)	more than 10	Specimen requires many blows with geological pick to break through intact material; rock rings under hammer.	more than 200

ROCK DEFECT TYPES

This classification applies to the range of possible rock defect types that are types of natural fractures along which the core is discontinuous. These include bedding plane partings, joints and other rock defects, but exclude known artificial fractures such as drilling breaks.

Term		Description	Diagram
Parting		A surface or crack across which the rock has little or no tensile strength. Parallel or sub-parallel to layering (e.g. bedding) or a planar anisotropy in the rock material (e.g. cleavage). May be open or closed.	
Joint		A surface or crack with no apparent shear displacement across which the rock has little or no tensile strength, but which is not parallel to layering or to planar anisotropy in the rock material. May be open or closed.	
Sheared Surface		A near planar, curved or undulating surface which is usually smooth, polished or slickensided and which shows evidence of shear displacement.	
Sheared Zone		Zone of rock material with roughly parallel near planar, curved or undulating boundaries cut by closely spaced joints, sheared surfaces or other defects. Some of the defects are usually curved and intersect to divide the mass into lenticular or wedge-shaped blocks.	
Seams	Sheared Seam	Seam of soil material with roughly parallel almost planar boundaries, composed of soil materials with roughly parallel near planar, curved or undulating boundaries cut by closely spaced joints, sheared surfaces or other defects. Some of the defects are usually curved and intersect to divide the mass into lenticular or wedge-shaped blocks.	
	Crushed Seam	Seam of soil material with roughly parallel almost planar boundaries, composed of disoriented, usually angular fragments of the host rock material which may be more weathered than the host rock. The seam has soil properties.	
	Infilled Seam	Seam of soil material usually with distinct roughly parallel boundaries formed by the migration of soil into an open cavity or joint, infilled seams less than 1mm thick may be described as a veneer or coating on a joint surface.	
	Extremely Weathered Seam	Seam of soil material, often with gradational boundaries. Formed by weathering of the rock material in place.	

The spacing, length (sometimes called persistence), aperture (openness), and seam thickness should generally be described directly in millimetres or metres.

ROCK DEFECT DESCRIPTIONS

DEFECT ROUGHNESS TERMS		DEFECT SHAPE TERMS		DEFECT COATING TERMS	
Term	Description	Term	Description	Term	Description
Very Rough	Many large surface irregularities (amplitude generally more than 1mm). Feels like, or coarser than very coarse sand paper.	Planar	The defect does not vary in orientation.	Clean	No visible coating.
Rough	Many small surface irregularities (amplitude generally less than 1mm). Feels like fine to coarse sand paper.	Curved	The defect has a gradual change in orientation.	Stained	No visible coating but surfaces are discoloured.
Smooth	Smooth to touch. Few or no surface irregularities.	Undulating	The defect has a wavy surface.	Veneer	A visible coating or soil or mineral, too thin to measure; may be patchy.
Polished	Shiny smooth surface.	Stepped	The defect has one or more well defined steps.	Coating	A visible coating up to 1mm thick. Thicker soil material should be described using appropriate defect terms (e.g. infilled seam). Thicker rock strength material should be described as a vein.
Slickensided	Grooved or striated surface, usually polished.	Irregular	The defect has many sharp changes of orientation.		

FORTIFY

GEOTECH



Unit 2, 157 Newcastle Street, Fyshwick ACT 2609
+61 2 6285 1547
canberra@fortifygeotech.com.au
Fortifygeotech.com.au
ACT Geotechnical Engineers Pty Ltd trading as Fortify Geotech
ABN 19 063 673 530

TAX INVOICE

Belconnen United Sharks RLFC

Client Reference: Invoice Number: INV20297
Invoice Date: 30/09/2025
Invoice Due Date: 14/10/2025

C16855 - Proposed Sports Lighting - 2 Eade Street, Bruce ACT

Description	Agreed Fee	Amount AUD
Geotechnical Investigation		
		SUB TOTAL
		GST 10%
		TOTAL inc GST

Sch 2.2(a)(xi)

PROJECT MANAGEMENT FEE

Sport Lighting Upgrade - 2 Eade Street Bruce

Description	Quantity	Unit	Rate	Total
BUILDING APPROVAL FEE				\$5,600.00
BA fee	1.	Item		\$5,600.00
INSURANCE/ SECURITY				\$4,440.00
Professional Indemnity	1.	item		\$1,800.00
work insurance	1.	item		\$1,320.00
Public Liability	1.	item		\$1,320.00
CONSTRUCTION MANAGEMENT				\$26,070.00
Site Supervisor				\$8,000.00
Foreman - Toby Wright	2.	wks	\$4,000.00	\$8,000.00
Project Manager - Salesi Lavaka				\$16,750.00
Monthly report	72.	hr	\$145.00	\$10,440.00
Set up Simpel	4.	hr	\$145.00	\$580.00
Site inspections	16.	hr	\$145.00	\$2,320.00
Review of subbies safe work method statements	5.	no	\$450.00	\$2,250.00
Prepare project management plan	8.	hr	\$145.00	\$1,160.00
Safety Manager				\$1,320.00
Site inspections	8.	hr	\$165.00	\$1,320.00
TEMP - TELEPHONES AND COMPUTER				\$898.24
IT support	1.	item		\$343.14
Simpel	1.	item		\$245.10
365 Cloud monthly fee	1.	item		\$110.00
Mobile phones	1.	item		\$200.00
SITE SIGNAGE				\$180.00
- site office signage (600mmx450mm)	4.	no	\$45.00	\$180.00
			Subtotal	\$37,188.24
			G.S.T [10%]	\$3,718.82
			Total Incl GST	\$40,907.06

EXCLUSIONS:

- | | |
|------------------------------|----------------------------|
| * Cranage | * Trade Cost |
| * Make good | * Buiding Certrifier's fee |
| * Traffic management | * EWP and Scaffold |
| * Consultants | * Land surveyor |
| * Final and ongoing cleaning | * Site establishment |



ACT
Government

Environment, Planning and
Sustainable Development

Planning Act 2023

LETTER OF AUTHORISATION

To be completed and submitted with various planning applications, including development applications, to confirm permission for a third party to act on behalf of a lessee.

LEASE OR SITE DETAILS

If more than two leases/sites please attach the following details for each additional lease/site on a separate sheet

Block/s: 4

Section: 9

Suburb: Bruce

District: Belconnen

Street Address: 2 Eade St

Block/s: _____

Section: _____

Suburb: _____

District: _____

Street Address: _____

Where no block and section details are available, describe the location (i.e. road reserve name, or outdoor dining area location)

APPLICANT DETAILS AND DECLARATION

Applicant Details (Please Print)

Applicant name: _____ Email: _____

OR

Company name: BUSRLFC Email: Sch 2.2(a)(ii)

Company Nominees – a Company can list up to three nominees. The first nominee must be authorised to sign on behalf of the Company

Nominee 1: Sch 2.2(a)(ii) Nominee 3: _____

Applicant Declaration

I/we the applicant, by signing the below, declare that:

- I am the person authorised to sign, or to sign on behalf of the company described in this form; and
- I declare that all the information given on this form and its attachments are true and complete.

Signature: Sch 2.2(a)(ii) Date: 7/8/25

LESSEE DETAILS AND DECLARATION

Lessee Details (Please Print Names) - if more than two lessees, please number each additional lessee in 'additional lessees'

First Lessee: Stephen French Digitally signed by Stephen French

Additional lessees: French Date: 2025.08.07 14:47:54 +10'00'

Lessee Declaration - if more than two lessees, please number each additional lessee in 'additional lessees'

I/we the lessee(s), by signing the below, declare that:

- I am/we are the lessee(s) of the land described above;
- I/we have been made aware of the declaration and privacy clauses in all relevant forms; and

- I/we understand that all the information given on this form is true and complete.

I/we the lessee(s), by signing the below, authorise the person/company (to be known as *the Applicant*) to:

- obtain information in relation to this site;
- to act on my/our behalf in relation to the following types of application for the abovementioned site/s (please tick all that apply);
 - Pre-Application Meeting
 - Development Application, including amendments
 - Exemption Declaration
 - Reconsideration Application
 - Environmental Impact Statement or Environmental Significant Opinions
 - Other planning application
- to pay all application fees, bonds and securities, liaise with the Territory Planning Authority when required, alter, amend and provide further information as necessary and receive any communications relating to the application.

First Lessee Signature: Stephen French Digitally signed by Stephen French
Date: 2025.08.07 14:49:03 +10'00' Date: _____

Second Lessee Signature: _____ Date: _____

Additional Lessee Signature: _____ Date: _____

LAND CUSTODIAN DETAILS AND DECLARATION – for works on unleased Territory Land

Land Custodian Details (Please Print) - if more than two custodians, please number each additional custodian in 'additional custodians'

First Custodian Name: Stephen French Digitally signed by Stephen French
Date: 2025.08.07 14:49:26 +10'00' Agency: Canberra Institute of Technology

Second Custodian Name: _____ Agency: _____

Additional Custodians: _____

Land Custodian Declaration - if more than two custodians, please number each additional custodian in 'additional custodians'

I/we the land custodian(s), by signing the below, declare that:

- I am/we are the land custodian(s) of the public or unleased land described above;
- I/we have been made aware of the declaration and privacy clauses in all relevant forms; and
- I/we understand that all the information given on this form is true and complete.

I/we the land custodian(s), by signing the below, authorise the person/company (to be known as *the Applicant*) to:

- obtain information in relation to this site;
- to act on my/our behalf in relation to the following types of application for the abovementioned site/s (please tick all that apply);
 - Pre-Application Meeting
 - Development Application, including amendments
 - Exemption Declaration
 - Reconsideration Application
 - Environmental Impact Statement or Environmental Significant Opinions
 - Other planning application
- to pay all application fees, bonds and securities, liaise with the Territory Planning Authority when required, alter, amend and provide further information as necessary and receive any communications relating to the application.

First Custodian Signature: Stephen French Digitally signed by Stephen French
Date: 2025.08.07 14:49:51 +10'00' Date: _____

Second Custodian Signature: _____ Date: _____

Additional Custodian Signature: _____ Date: _____

THIS AUTHORISATION DOES NOT CONSTITUTE AN APPROVAL IN PRINCIPLE OR OTHERWISE BY THE LAND CUSTODIAN IN RELATION TO THE PROPOSED DEVELOPMENT.

NOTE: PRELIMINARY DESIGN ONLY

This design is subject to site verification of boundaries, pole positions and heights.

Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA

TECHNICAL INFORMATION

- * LM79 Intensity distribution source acc. To DEKRA measurement report 2174481-PHO 14-204
- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

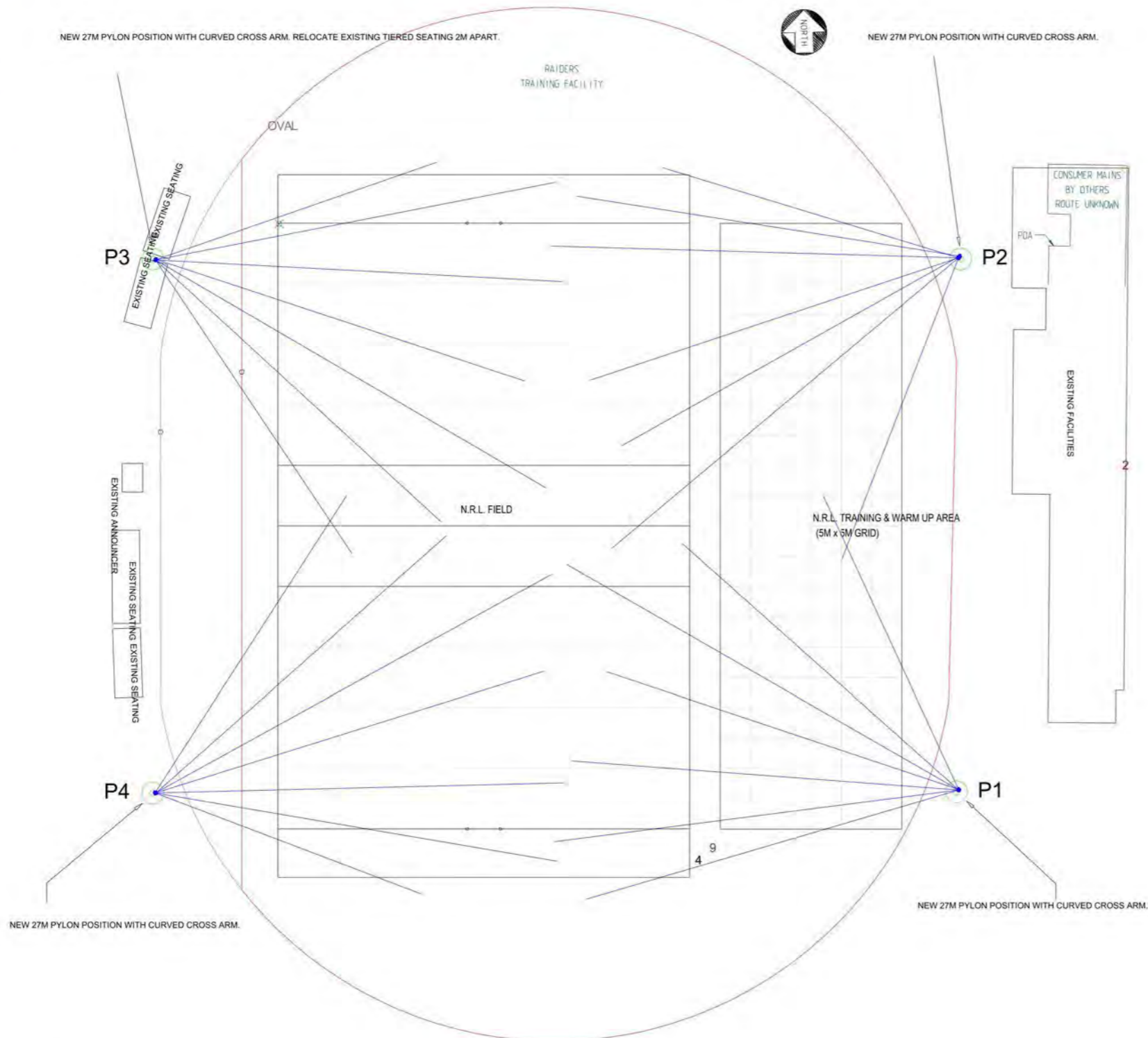
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2.1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

PROPOSED SPORTS AAA-LUX LED LIGHTING

4 X NEW POLES.LOCATIONS INDICATIVE FOR PRELIM. DESIGN PURPOSES ONLY.

LUMINAIRE MOUNTING HEIGHTS @ 27MTRS AGL.

CROSS ARM ARRANGEMENT TO SUIT 7 X AAA-LUX LUMINAIRES PER POLE.

DIMENSIONS OF FIELDS AND POLE LOCATIONS ARE AS PER .DWG DRAWING PROVIDED.

CONDITIONAL DEVELOPMENT APPROVAL GRANTED

Pursuant to section 185
Planning Act 2023

Please refer to the conditions included in the Notice of Decision and any conditions marked up on approved plans.

Delegate name: Anita Yusoff
Date: 16/10/2025

Luminaire Schedule							
Symbol	Qty	Label	Description	LLF	Luminaire Watts	Total Watts	Mounting Height
-	28	WS2707 LS	AAA-LUX WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC	0.850	1550	43400	27.2

NOT FOR CONSTRUCTION



ADDRESSEE:
**PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)**

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground , Bruce ACT 2617

Drawing Title:
PROPOSED NEW LIGHTING

TRAINING GROUNDS 200LUX

ISSUES ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWINGS.

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR COPIES OF DRAWINGS ISSUED ELECTRONICALLY. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.

This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any reproduction or use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.

This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of and use by the client. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by this party on the content of this document.

Lighting Calculations are subject to the accuracy & existence accordance with AS/NZS 3827 (1/10) & AS/NZS 3827.2:1998.

This drawing is provided as part of a contractual agreement with the client named within. The photometric results as shown have been generated by the software AGES2 V10 and are subject to acceptance & tolerance including variation in the dimensions & obstruction surface. Includes luminaire position, aiming, ambient temperature, atmospheric conditions, ambient lamp output, lighting design performance, electrical supply & instrument calibration.

Disclaimer - This design is done for getting and informational purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.

© AAA-LUX LIGHTING AUSTRALIA

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008

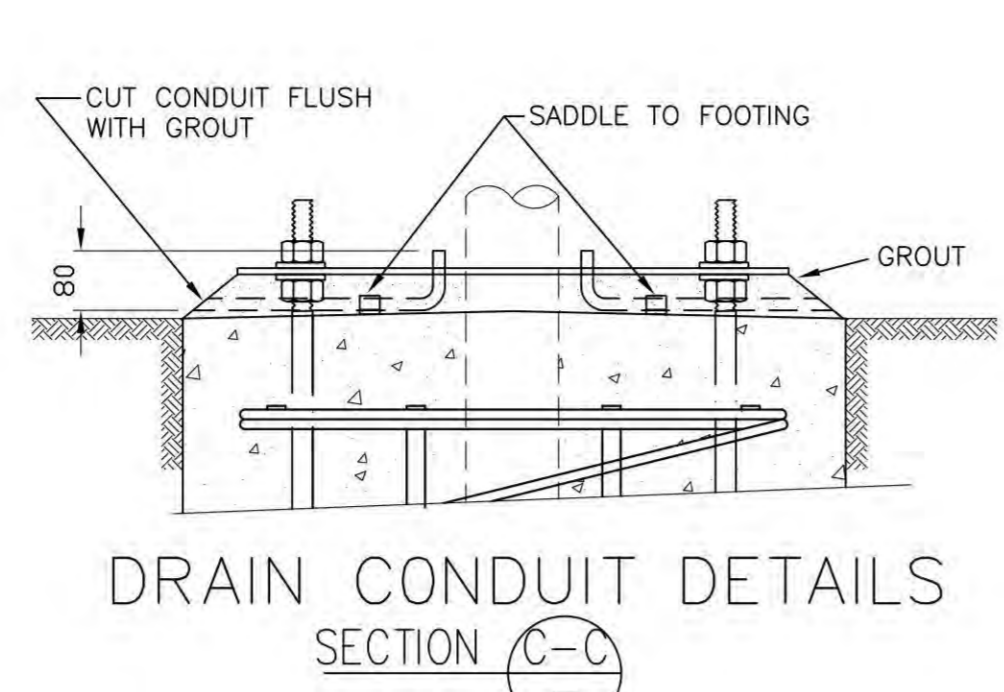
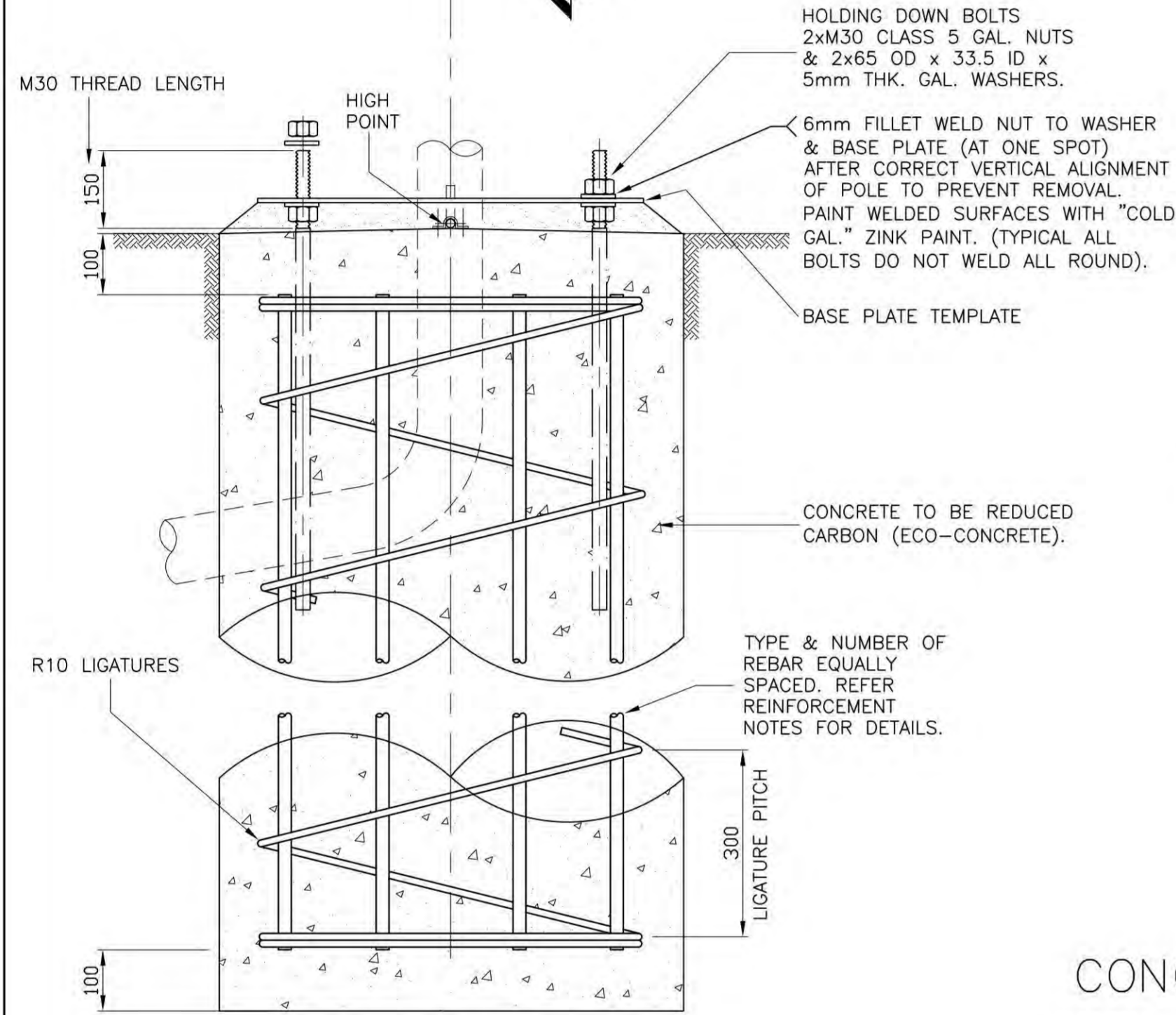
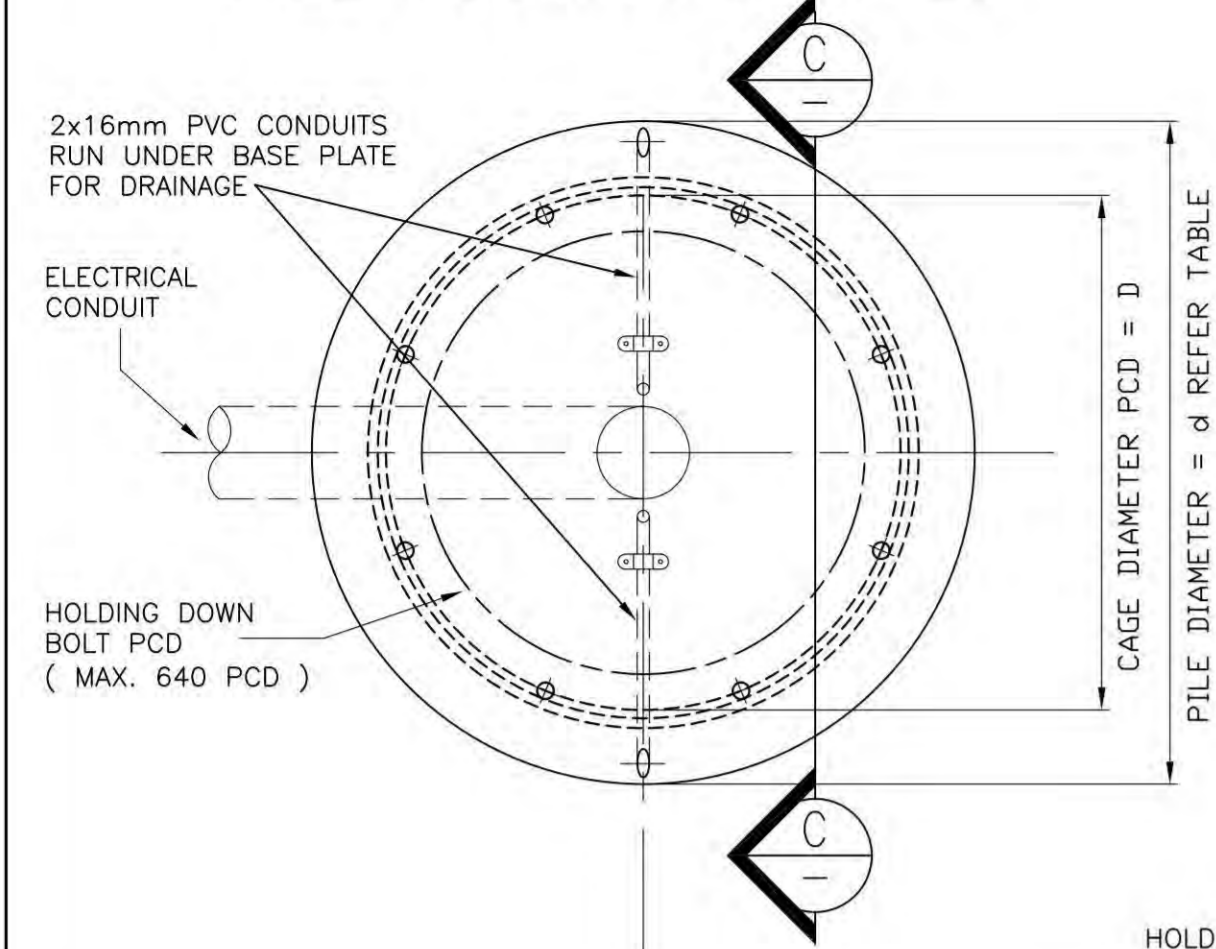
DATE:
01.11.2021

SHEET: **A3** SCALE: AS SHOWN

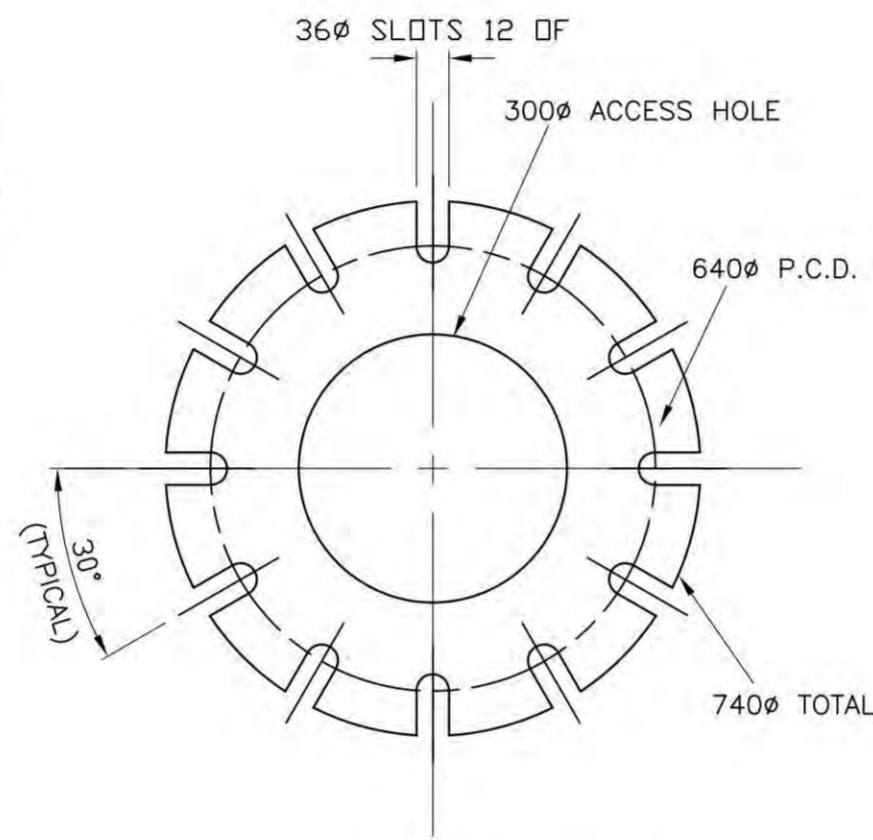
LIGHTING ENGINEER
SK M.I.E.S

SHEET
1

PILE FOOTING DETAILS

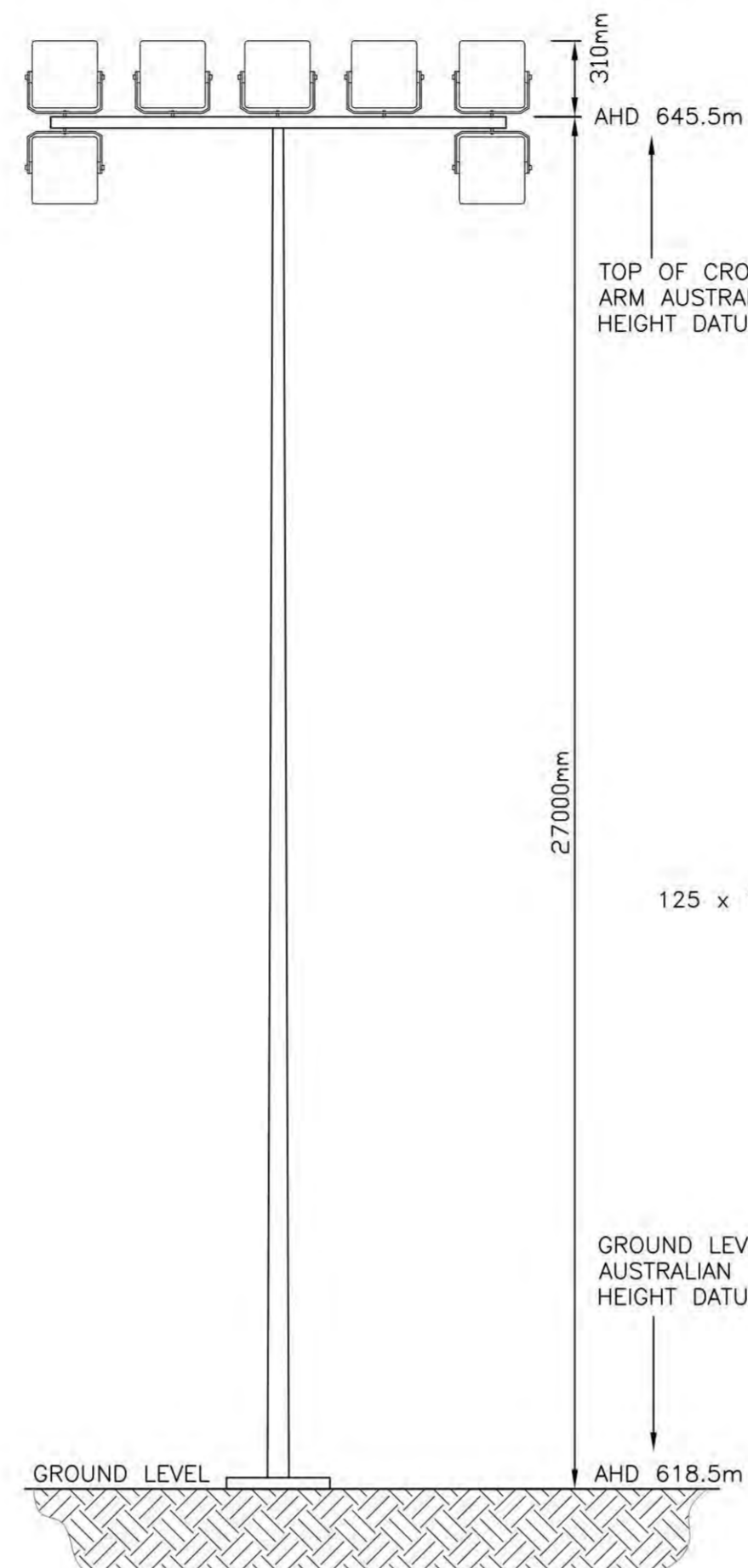


DRAIN CONDUIT DETAILS
SECTION C-C



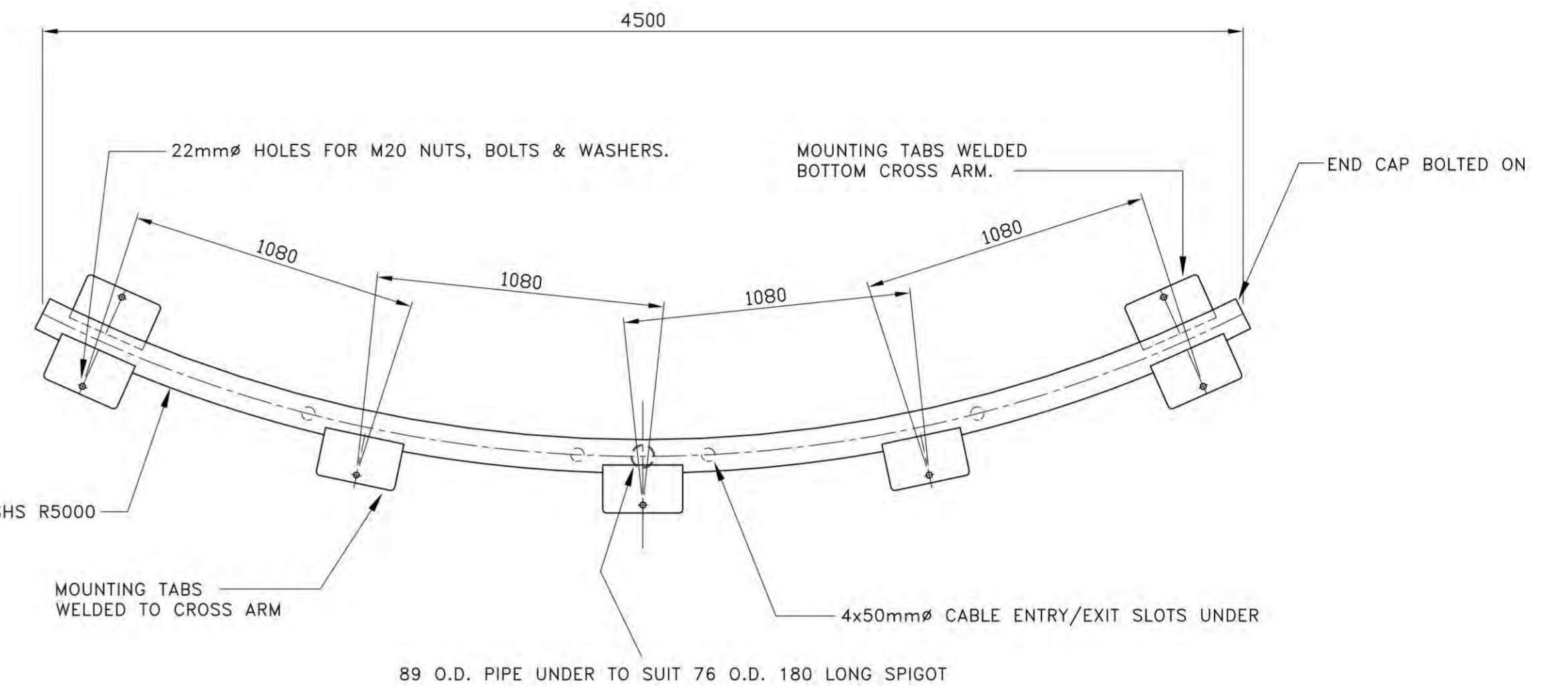
BASE PLATE DETAILS

TYPICAL POLE ELEVATION



POLES WITH 7 FITTINGS

CROSSARM ASSEMBLIES



XSP4500-GA17016 CROSSARMS

POLE ASSEMBLY NOTES

SEE SPECIFICATION FOR POLE ASSEMBLY PROCEDURE. ENGINEERS INSPECTION AND "HOLD" POINTS IN ASSEMBLY PROCEDURE.

POLE SECTIONS ARE TO BE ASSEMBLED SO THAT OVERALL DIMENSIONS AND DIMENSIONS AND SLIP DIMENSIONS MATCH THOSE SHOWN ON INGAL EPS DRAWINGS PROVIDED TO TOLERANCE +/- 4%.

ASSEMBLED POLES ARE TO BE ALIGNED ALONG THE CENTRE LINE AND ADJUSTED AT THE MOUNTING SO THE ERECTED POLE SHALL NOT DEVIATE MORE THAN 5 DEGREES FROM THE VERTICAL AT ANY POINT.

**CONDITIONAL DEVELOPMENT
APPROVAL GRANTED**

Pursuant to section 185
Planning Act 2023

Please refer to the conditions included in the Notice of Decision and any conditions marked up on approved plans.

Delegate name: Anita Yusoff
Date: 16/10/2025

PILE FOOTING NOTES

GENERAL

- ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE ENGINEERS DRAWINGS SHALL NOT BE SCALED.
- WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

FOUNDATIONS

SITE SHALL BE STRIPPED OF ALL VEGETATION IN BUILDING AREAS. ENSURE THAT NO VEGETATION OR ORGANIC MATTER EXISTS IN THE SOIL STRATA BELOW THE FOOTINGS OR SLAB ON GROUND FOR A DEPTH OF AT LEAST 1000mm.

IF BASE AT FOOTING EXCAVATIONS BECOMES WET PRIOR TO POURING CONCRETE THEN THE WATER AND ANY SOFTENED MATERIAL SHALL BE REMOVED PRIOR TO POURING THE FOOTINGS.

SOIL RUPTURE INTENSITY (Q kPa/m) THE WORST EXPECTED CONDITIONS SHOULD BE USED WHEN ESTIMATING THE STRENGTH OF PILE FOOTINGS FOR SOILS WHICH ARE DEFINED AS FOLLOWS:

GOOD BEARING (Q = 600 kPa/m)
HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATERTABLE.

MEDIUM BEARING (Q = 300 kPa/m)
BONDED SANDY LOAM, BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE. COMPACT MEDIUM CLAY, WELL

POOR BEARING (Q = 150 kPa/m)
SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER PROVIDED THESE DO NOT DEVELOP INTO SLUSH. SOFT CLAY, POORLY COMPACTED

NOTE: THESE VALUES FOR Q ARE A GUIDE ONLY FOR ANY FOUNDATION.

NOTE
FOOTING DESIGN INDICATED ON THIS DRAWING HAS BEEN CHECKED & APPROVED BY A CIVIL ENGINEER ON BEHALF OF AEC. THE CONTRACTOR SHALL OBTAIN THE CIVIL ENGINEERS' INSPECTION & APPROVAL BEFORE PLACING CONCRETE. ENGINEERING LIGHTING COLUMNS: INGAL EPS HAS SUPPLIED THE WORKING BASE MOMENT AND SHEAR FOR THE PARTICULAR LIGHTING COLUMNS TO BE SUPPLIED.

CONCRETE POUR NOTES

CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 - CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

2. ALL CONCRETE SHALL BE PREMIXED FROM AN APPROVED SUPPLIER. PORTLAND CEMENT TYPE A TO BE USED. BLENDED CEMENT NOT TO BE USED. TABLE BELOW INDICATES STRENGTH GRADES.

3. ALL CONCRETE SHALL BE VIBRATED.

4.

LOCATION	STRENGTH GRADE	AGGREG. SIZE (MAX)	SLUMP NOMINAL (mm)
FOOTING-STANDARD SOILS	N32MPa	20mm	80
FOOTING-AGGRESSIVE SOILS	N40MPa	20mm	80

5. REINFORCEMENT:

M : HOT ROLLED DEFORMED BARS TO AS 4671
F : FABRIC TO AS 4671.
R : STRUCTURAL GRADE PLAIN ROUND BAR TO AS 4671.

6. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY BAR CHAIRS (PLASTIC TIPPED), SUPPORT AND SPACER BARS, AND CONCRETE BLOCKS FOR FOOTING AND SLAB REINFORCEMENT, TO PLACE STEEL IN ITS CORRECT POSITION DURING CONCRETING.

7. COVER TO REINFORCEMENT: 75mm MINIMUM ALL ROUND (CONCRETE WELL LINER INCLUDED).

8. SPLICES IN REINFORCEMENT SHALL ONLY AS APPROVED BY THE ENGINEER.

9. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS BY ONE OF THE FOLLOWING METHODS:

- AN APPROVED CURING COMPOUND, OR
- CONTINUOUS WATER SPRAYS FOR PERIODS, OR
- THE SURFACE SHALL BE THOROUGHLY MOISTENED AND COVERED COMPLETELY WITH PLASTIC SHEET SECURELY HELD IN POSITION.

10. ENSURE THAT SIDES OF EXCAVATION ARE SUCH THAT SOIL DOES NOT FALL IN DURING PLACEMENT OF CONCRETE.

REINFORCEMENT NOTES

REINFORCEMENT

Q = SOIL RUPTURE INTENSITY (kPa/m). ASSUMED 150 (POOR SOIL). REFER FOUNDATION NOTES.

M = MAXIMUM WORKING MOMENT RATED AT TOP OF PILE FOOTINGS 95.3kN-m. CONFIRM VALUE WITH INGAL EPS.

V = MAXIMUM WORKING SHEAR RATED FOR AT TOP OF PILE FOOTING 7.7kN. CONFIRM VALUE WITH INGAL EPS.

D = FOOTING DIAMETER (mm).

J = FOOTING DEPTH (m).

TABLE HAS BEEN PREPARED FOR A DISTURBED SOIL DEPTH OF UP TO 300mm. THE ANALYSIS IGNORES THIS LAYER OF SOIL IN ASSESSING THE SOIL STRENGTH. FOR DISTURBED SOILS DEPTHS GREATER THAN 300mm, REFER TO THE ENGINEER.

ALTERNATIVE REINFORCEMENT DETAILS:
8-N24 VERTICAL, 750mm PCD;
N12 CIRCULAR TIES @ 300mm SPACING AND 2/N12 RECTANGULAR TIES @ 300mm SPACING. TOP & BOTTOM TIES LOCATED 100mm FROM TOP & BOTTOM OF CONCRETE. ALL REINFORCEMENT TO BE WELDED IN CAGE.

FOOTING DIAMETER (mm)	REINFC PCD (mm)	REINFORCEMENT (BAR SIZE / No DF BARS)
945	735	Y20/24
1028	820	Y24/20
1194	972	Y28/18
1358	1125	Y28/24

TECHNICAL DETAILS

Pylon Type	Poor Soil (Q = 150)		Average Soil (Q = 300)		Good Soil (Q = 600)	
	d / D	J	d / D	J	d / D	J
Light Duty	945 / 735	3.6	1194 / 972	2.7	1358 / 1125	2.1

NOTE: RECOMMENDATIONS BASED ON INGAL EPS FPL27F PYLON SPECIFICATIONS.

NOTE: FOUNDATION BOLTS ARE AS FOLLOWS (CONFIRM WITH MANUFACTURER)

Light Duty 12xM30 @ 640 PCD 900 EMBEDMENT

UNLESS GEOTECHNICAL REPORT PROVIDED FOR TENDER PURPOSES FOOTING DEPTH

Light Duty J=3.6M

NOTE:
FOOTING AND STEEL DETAILS ARE FOR GUIDANCE ONLY
OBTAIN CIVIL ENGINEER'S INSTRUCTIONS AND APPROVAL
FOR ALL PROPOSED FOOTINGS BEFORE CONSTRUCTION.

REFER DRAWING 1682-E1 FOR SITE PLAN
REFER DRAWING 1682-E3 FOR SWITCHBOARD DETAILS
REFER DRAWING 1682-E4 FOR AIMING DETAILS

No.	Date	Description	Init.
E	18/08/25	Revised To Comments	A.H.
D	25/02/25	D.A. Issue	A.H.
C	18/10/24	Scope Details	A.H.
B	14/02/24	Report Issue	A.H.
A	28/01/24	INITIAL SETUP	A.H.

AMENDMENTS

Client
BELCONNEN UNITED SHARKS
RUGBY LEAGUE FOOTBALL CLUB

AEC
consulting group
P.O. Box 503 Mowson ACT 2607
Telephone: (02) 6101 4770
email: oecengineers@tpg.com.au
CONSULTING ENGINEERS

Project
SHARK PARK SPORTSGROUND
UPGRADE WORKS
EAED STREET, BRUCE
BLOCK 4, SECTION 9
BRUCE, ACT

Title
SHARK PARK OVAL
SPORTS LIGHTING
INSTALLATION DETAILS

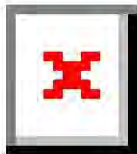
Scale: 1:500
Drawn: A.Hill
CAD File: A1
Job No.:
1682

Date: 08/01/2024
Checked: JMcK
Sheet 3 of 4
Drawing Number
1682-E2

Approved: ---
Amtd: E

From: "NO REPLY EMAIL : Icon Water customer applications and requests" <no-reply-cmp@iconwater.com.au>
Sent: 23/09/2025 9:08 AM
To: "AC, EPD Customer Services" <ACEPDCustomerServices@act.gov.au>
Subject: Network Protection Compliance submission assessment outcome 03430/2025 Block: 4
Section: 9 Suburb: BRUCE Email 1 of 1 CMP:02570014636
Attachments: Certificate of Conditional Acceptance.pdf, LIGHTING-202544374-03.pdf, PLAN-202544374-SWITCHBOARD DETAIL-01.pdf, LIGHTING-202544374-01.pdf, LIGHTING-202544374-02.pdf, LIGHTING-202544374-ELEVATION-01.pdf, SITE-202544374-01.pdf, APP-202544374-04.pdf, LIGHTING-202544374-04.pdf

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.



Network Protection Compliance submission assessment outcome.

Email 1 of 1

Dear ACT Planning
ACT Planning and Land
authority

Your Network Protection Compliance submission 03430/2025 for Block: 4 Section: 9 Suburb: BRUCE has been assessed by Icon Water.

Based on the information you have provided to us; your submission is deemed to be **Conditionally Compliant**.

Please find attached a copy of our decision outlining our assessment.

Should you wish to discuss the outcome of this assessment with us, please talk to us on (02) 6248 3111 and quote your submission reference number (03430/2025).

Regards,
Builder Services Team

Summary of All Files in Emails

EMAIL 1

- Certificate of Conditional Acceptance.pdf
- APP-202544374-04.pdf
- LIGHTING-202544374-01.pdf
- LIGHTING-202544374-02.pdf
- LIGHTING-202544374-03.pdf
- LIGHTING-202544374-04.pdf
- LIGHTING-202544374-ELEVATION-01.pdf
- PLAN-202544374-SWITCHBOARD DETAIL-01.pdf
- SITE-202544374-01.pdf

Please DO NOT REPLY to this email as this mailbox is not monitored. If you require further assistance, you can [contact us](#) online or give us a call on (02) 6248 3111.

12 Hoskins Street Mitchell ACT
2911

Icon Water Limited

PO Box 50 MITCHELL ACT 2911

ABN 86 069 381 960

(02) 6248 3111

iconwater.com.a

u



STATEMENT OF CONDITIONAL ACCEPTANCE

Application No: 03430/2025

Suburb: BRUCE

Block/Section 4 / 9

Application Details:

Non-Residential

Addition

Inclusions

Nil

Additional Block and Sections

Nil

This statement is in relation to DA 202544374 with additional details and amendments (if provided) submitted to Icon Water directly.

The following plans and documentation have been included in our assessment of your application.

LIGHTING-202544374-03.pdf

LIGHTING-202544374-04.pdf

LIGHTING-202544374-ELEVATION-01.pdf

LIGHTING-202544374-02.pdf

PLAN-202544374-SWITCHBOARD DETAIL-01.pdf

APP-202544374-04.pdf

SITE-202544374-01.pdf

LIGHTING-202544374-01.pdf

Conditions of Acceptance.

- An Icon Water sewer manhole or water main is located on this block.
Access to Icon Water assets (including any manholes and mains) must be provided and maintained in accordance with Icon Water emergency access requirements.

No structures are to be built over Icon Water emergency access passageways without approval from Icon Water in writing.

- A water or sewer network asset is located on this block.

Access to Icon Water assets must be provided and maintained in accordance with Icon Water maintenance access requirements.

No structures are to be built over Icon Water maintenance access passages without approval from Icon Water in writing.

- Icon Water assets shall be protected for the duration of the construction works from short term load shedding from construction machinery or vibration and groundwater ingress or infiltration.

Any damage to Icon Water assets resulting from the construction works will be repaired by Icon Water at the developers expense.

Icon Water must be provided 24/7 access to its assets including sewer structures, manholes, hydrants and valves for the duration of the construction works.

- All new cabling detailed must maintain minimum horizontal clearance of 1.75m from existing 375mm water mains along Battye Street. Any new vertical crossing must be in accordance to minimum clearances as per Icon Water standards.

See Additional Comments below.

Please Note:

- Separate applications are required for ActewAGL electricity and gas networks.
- Any failure to accurately show existing or proposed structures may result in damage and costs for which the property owner will be liable. Damage to network assets must be reported to Icon Water.
- Utility conditions may also apply to minor structures and landscaping works that may not have been depicted in this document. Consultation with Icon Water is advised if such structures and landscaping are planned.
- Icon Water recommends setbacks provided for equipment access to water or sewerage network assets are kept free of obstruction by the property owner.
- Construction of works without the approval of Icon Water may result in connection to Icon Water's water and sewerage networks being denied and /or action being taken to require the property owner to remove non-compliant services (e.g. sanitary drains) or structures.

The following plans and documentation have **NOT** been included in our assessment of your application.

AUTHORISATION-202544374-02.pdf
DEVOUTCOMEREP-202544374-01.pdf
AREA-202544374-01.pdf

WARNING

Failure to comply with these conditions is likely to result in interference with an Icon Water sewer or water asset. Part 14 of the Utilities (Technical Regulation) Act 2000 applies, which indicates a person who interferes with a utility asset may be subject to prosecution. The current maximum penalty is 200 penalty units, imprisonment for two years, or both. In addition, the landholder can be ordered at their expense to stop the interference, which may involve removal of the building work or that part of the building work that is causing, or is likely to cause, interference.

Comments:

Nil

Signed

Sch 2.2(a)(ii)

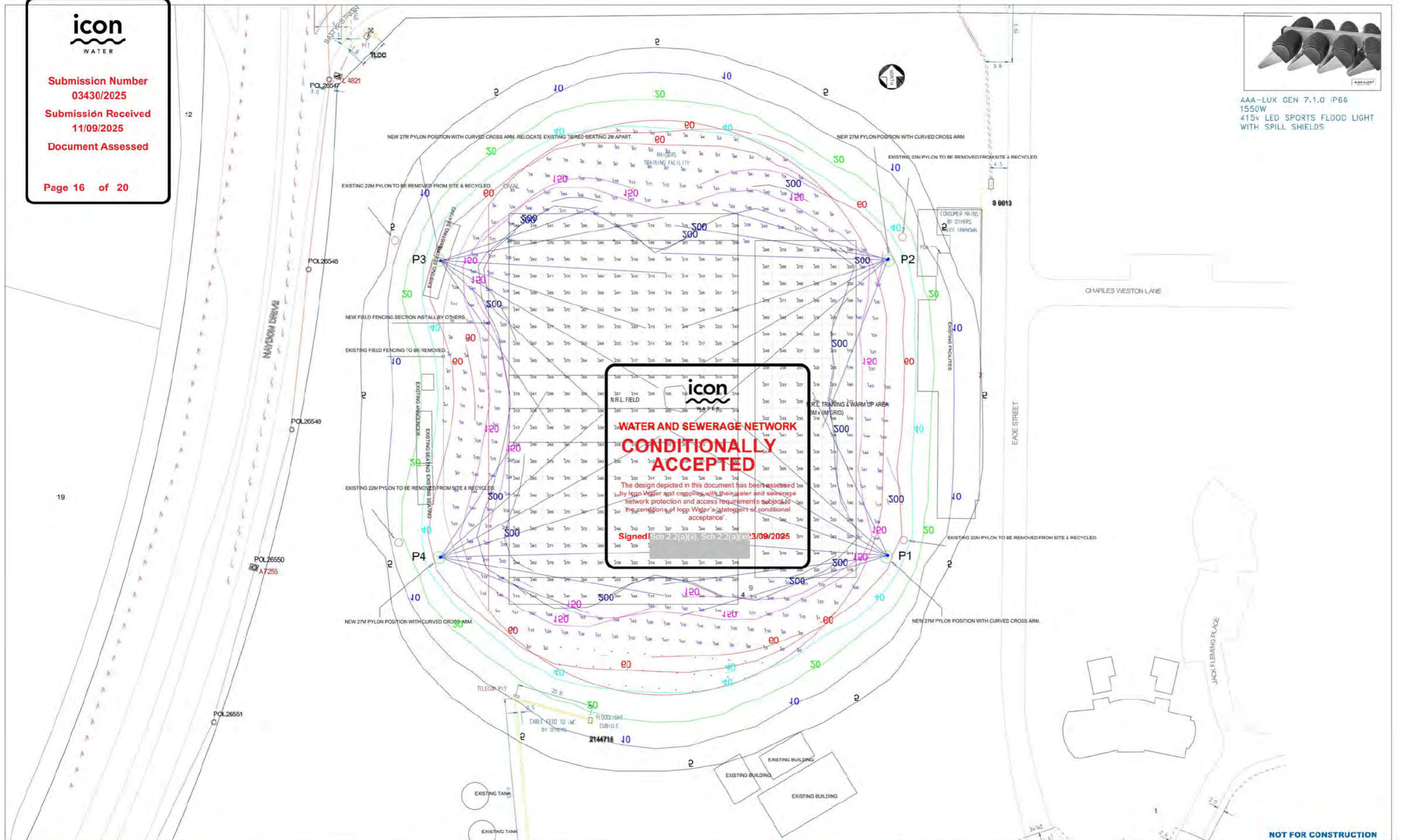
Date

23/09/2025

For further information please phone Icon Water Sch 2.2(a)(xi)



AAA-LUX GEN 7.1.0 IP66
1550W
415v LED SPORTS FLOOD LIGHT
WITH SPILL SHIELDS



NOT FOR CONSTRUCTION



ADDRESSEE:

PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)

PROJECT:

20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground, Bruce ACT 2617

Drawing Title:

ISOLUX PLOT

DESIGNED AND TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.
AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONTENT OR DIMENSIONS UNLESS SPECIFICALLY STATED OTHERWISE. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED 'FOR CONSTRUCTION' AND APPROVED FOR ISSUE.
This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.
This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of end user for the project. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.
Lighting calculations are subject to the accuracy & tolerance accordance with AS/NZS 1627:17:2008 & AS/NZS 1627:17:2016.
This drawing/plan/plot is provided as part of a contractual agreement with the client named within. The electronic results as shown have been generated by the software AS/12 V10 and are subject to inaccuracies & variations including tolerance in the dimensions & tolerances, surface finish, component production, lighting conditions, atmospheric conditions, luminaires lamp output, lighting design software, electrical supply & instrument calibration.
Disclaimer - This design is also for getting an information purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.
© AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT NO:

20211008

DATE:

01.11.2021

SHEET:

A3

SCALE:
AS SHOWN

LIGHTING ENGINEER
SK M.I.E'S

SHEET

3

NOTE: PRELIMINARY DESIGN ONLY

icon WATER

This design is subject to site verification of boundaries, pole positions and heights.

Submission Number: 03430/2025

Submission Receiver: 11/09/2025

Document Assessed: 11/09/2025

TECHNICAL INFORMATION

* Page 14 of 20

0.9 Intensity

distribution source loc. To DEKRA measurement report 2174481-PHO 14-204

- * LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C
- * Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

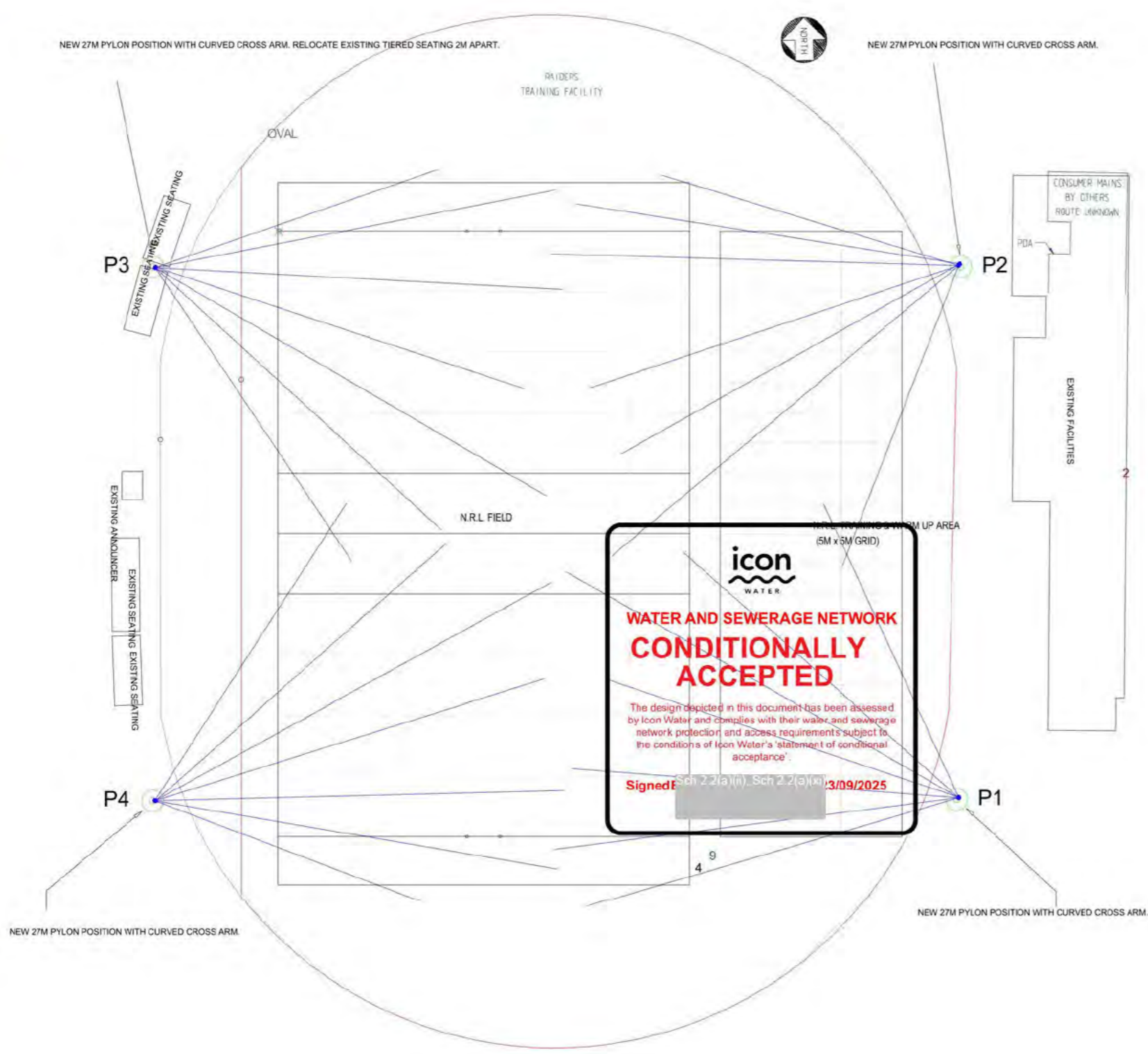
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2:1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

PROPOSED SPORTS AAA-LUX LED LIGHTING

4 X NEW POLES.LOCATIONS INDICATIVE FOR PRELIM. DESIGN PURPOSES ONLY.

LUMINAIRE MOUNTING HEIGHTS @ 27MTRS AGL.

CROSS ARM ARRANGEMENT TO SUIT 7 X AAA-LUX LUMINAIRES PER POLE.

DIMENSIONS OF FIELDS AND POLE LOCATIONS ARE AS PER .DWG DRAWING PROVIDED.

Luminaire Schedule							
Symbol	Qty	Label	Description	LLF	Luminaire Watts	Total Watts	Mounting Height
□	28	WS2707 LS	AAA-LUX WS2707 LS Gen 7 LED IP66 5000k ASYMETRIC OPTIC	0.850	1550	43400	27.2

NOT FOR CONSTRUCTION



ADDRESSEE:
PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground , Bruce ACT 2617

Drawing Title:
PROPOSED NEW LIGHTING
TRAINING GROUNDS 200LUX

DESIGNED AND TO BE READ IN CONJUNCTION WITH ALL SUPPORTING DOCUMENTS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONSTRUCTION OR ANY OTHER PURPOSES. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED FOR CONSTRUCTION TYPE AND APPROVED FOR ISSUE.

This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.

This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of the user and is not to be used for any other purpose. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever for any third party acting on or in reliance on the content of this document.

Lighting calculations are subject to the accuracy of the information provided with regards to site layout & design details.

This drawing is provided as part of a contract for the design of the lighting system. The information shown on this drawing has been generated by the software used and is not intended to be used for construction or any other purpose. AAA-LUX LIGHTING AUSTRALIA is not responsible and shall not be held responsible for any errors or omissions in the design or construction of the lighting system.

Disclaimer - This design is also for guidance and information purposes only. Please check all dimensions and specifications with the client. AAA-LUX LIGHTING AUSTRALIA is not responsible and shall not be held responsible for any errors or omissions in the design or construction of the lighting system.

© AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
20211008

DATE:
01.11.2021

SHEET: **A3** SCALE: AS SHOWN

LIGHTING ENGINEER
SK M IES

SHEET
1

NOTE: PRELIMINARY DESIGN ONLY

icon WATER

This design is subject to site verification of boundaries, pole positions and heights.

Submission Number: 03430/2025

Aiming details and instructions will be supplied once confirmed and order placed with AAA-LUX LIGHTING AUSTRALIA

Document Assessed

TECHNICAL INFORMATION

* Page 15 of 20

9 Intensity

distribution source loc. To DEKRA measurement report 2174481-PHO 14-204

* LM80 Flux And efficacy acc.to datasheet LED manufacturer @ 85°C

* Actual luminaire tilt = simulation tilt - 45°, e.G. 60° simulation tilt = 15° luminaire tilt.

Reports available upon request - Contact AAA-LUX LIGHTING AUSTRALIA ON 1300 AAA LUX.

The nominal values shown within this design are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination.

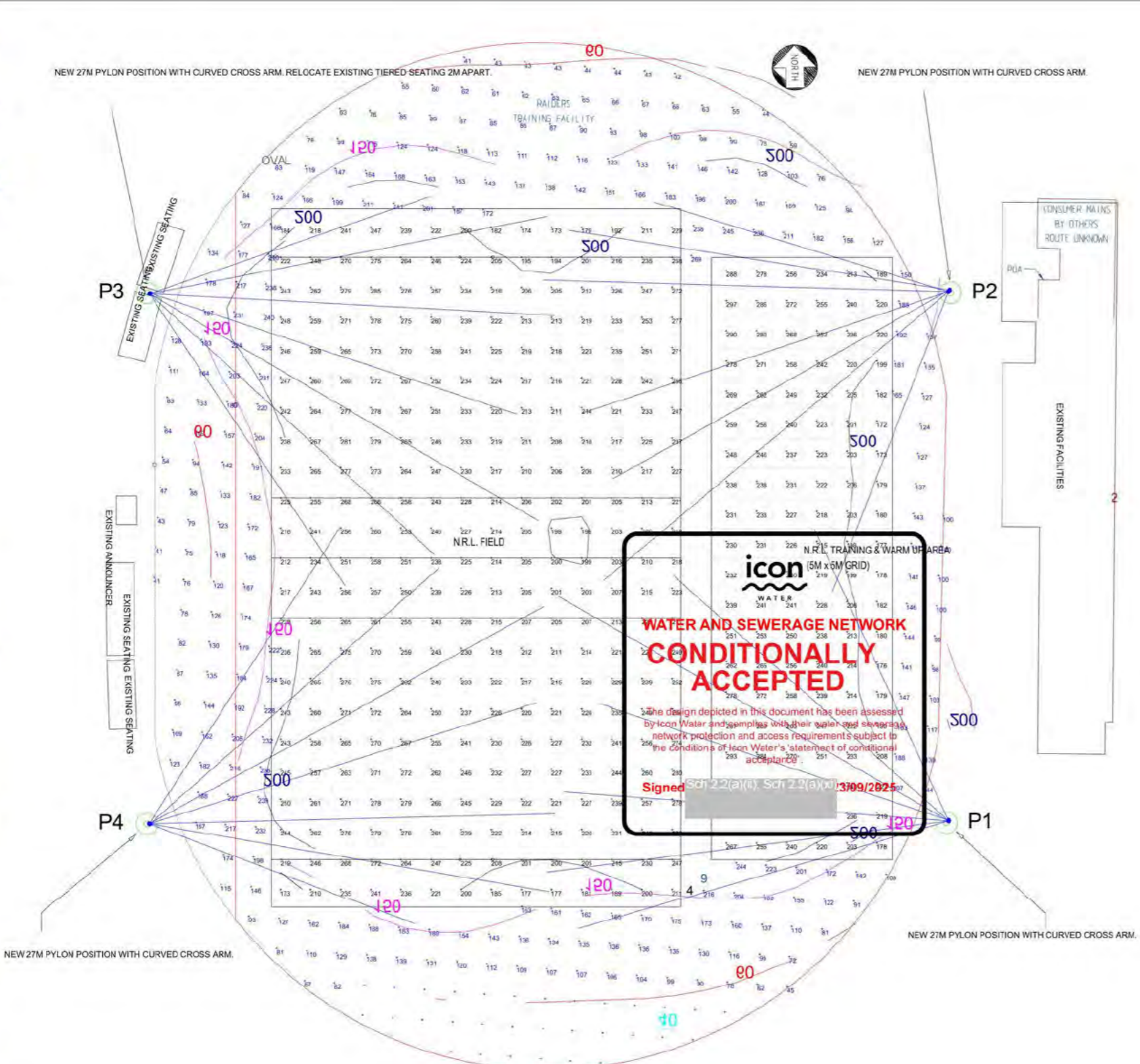
In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in AS/NZS 3827 :1:1998 & AS/NZS 3827.2:1998 and EN-12193 clause 5.4 with a maximum of 10%.

The design provided is " AS IS" for information only to assist the client in obtaining new lighting to the site as indicated.

Poles and cross arm arrangements to be provided by others.

No information provided to AAA-LUX on topography and geotechnical conditions.

Final design and luminaire types may/may not change at time of order.



AAA-LUX GEN 7.1.0 IP66 1550W 415v LED SPORTS FLOOD LIGHT WITH SPILL SHIELDS

SPORTS LIGHTING ENGINEERING NOTES -

THIS SPORTS LIGHTING ASSESSMENT IS BASED ON THE LIGHT TECHNICAL PARAMETERS AND GUIDELINES FROM AUSTRALIAN STANDARD AS2560.2:2021, "SPORTS LIGHTING PART 2 SPECIFIC APPLICATIONS".

PRELIMINARY DESIGN UNDERTAKEN TO SUIT SECTION 2.6, FOOTBALL (ALL CODES) - SEMI PROFESSIONAL LEVEL - SEMI PROFESSIONAL COMPETITION - LIGHTING SPECIFICATIONS:

- DESIGN OF LIGHTING TO ACHIEVE 200 LUX
- U1 Min/Ave - 0.60
- U2 Min/Max - 0.40
- Maximum Glare Rating - 50
- UG - MAX - 1.67

DESIGN MEETS AND EXCEED THE REQUIREMENTS AS PER THE STANDARD - REFER TABLE BELOW.

SYSTEM CAN BE PROGRAMMED TO SUIT LOWER LEVELS OF PLAY.

THE DESIGN CALCULATIONS USE A CONSERVATIVE MAINTENANCE FACTOR OF 0.85 BASED ON THE BELOW QUANTIFICATION.

- LDD = 0.87 BASED ON IP6*, MEDIUM POLLUTION , 36MTH CLEANING CYCLE AS PER AS2560.1-2002 TABLE 4.1)
- LLD = 0.96 (TM-21 CALCULATION PERFORMED WITH THE LM80 MEASURED DATA TO EXTRAPOLATE THE LP. TM21 TEST REPORT STANDARD OPERATION 85 DEGREES AT 20,000HRS OF USE)

ALL ILLUMINANCE VALUES SHOULD BE MULTIPLIED BY THE MAINTENANCE FACTORS FOR MAINTAINED VALUES.

CALCULATIONS ARE SUBJECT TO ACCURACIES AND TOLERANCES NOMINATED IN AUSTRALIAN AND NEW ZEALAND STANDARDS AS/NZS 3827.1:1998 AND AS/NZS 3827.2:1998. THE DESIGN RESULTS ARE BASED ON PHOTOMETRIC DATA AND .IES FILES PROVIDED BY THE MANUFACTURER. SOFTWARE USED IN THE DESIGN IS AGI32 V21.2

DISCLAIMER
THIS CALCULATION AS AN ESTIMATE OF EXPECTED LIGHTING LEVELS. FOR ACCURACY - PRIOR TO INSTALLATION, ALL CALCULATIONS SHOULD BE CONFIRMED WITH ACCURATE SITE MEASUREMENTS, A SURVEYED CAD DRAWING WITH RELEVANT FIELD MARKINGS AND SURROUNDING RESIDENTIAL BOUNDARIES. THE DESIGN PROVIDED IS FOR INFORMATION ONLY TO ASSIST THE CLIENT IN OBTAINING NEW LIGHTING TO THE SITE AS INDICATED.

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	UG	
Eh Rugby Field	Illuminance	Lux	235.85	285	173	0.73	0.61	1.27	
Eh Training and Warm Up	Illuminance	Lux	236.40	297	172	0.73	0.58	1.23	
GLARE - Maximum on Either Field	Glare Rating	N.A.	N.A.	48	10	N.A.	N.A.	N.A.	

NOT FOR CONSTRUCTION



ADDRESSEE:
**PO Box 304
Paddington
QLD 4064
p:1300 AAALUX
(1300 222 589)**

PROJECT:
20211008_Belconnen Sharks
RLFC_Canberra Raiders Training
Ground , Bruce ACT 2617

Drawing Title:
**LUX PLOT
CALCULATIONS.
TRAINING GROUNDS
200LUX**

DESIGNED AND TO BE MADE IN COMPLIANCE WITH ALL RELEVANT STANDARDS. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE FROM DRAWING.

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMATS FOR CONTENT OR INFORMATION PROVIDED HEREIN. THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS ENDORSED FOR CONSTRUCTION TYPE AND APPROVED FOR ISSUE.

This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.

This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of the user and for their use only. AAA-LUX LIGHTING AUSTRALIA does not and shall not assume any responsibility or liability whatsoever for any third party acting on or in reliance on the information contained in this document.

Lighting calculations are subject to measurement & installation conditions with RELEVANT IES FILES & SPECIFIC IES FILES.

This drawing is intended to be used as a guide only and is not intended to be used as a basis for construction. The information shown herein has been generated by the software AGI32 V21.2 and is subject to the accuracy & reliability of the data provided to the software. AAA-LUX LIGHTING AUSTRALIA is not responsible and shall not accept any liability for any errors or omissions in the design or construction of the lighting system.

Disclaimer - This design is for the purpose of providing information only. Please ensure all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and shall not accept any liability for any errors or omissions in the design or construction of the lighting system.

© AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT NO:
20211008

DATE:
01.11.2021

SHEET: **A3** SCALE: AS SHOWN

LIGHTING ENGINEER
SK M.I.E'S

SHEET
2

FOOTING DETAILS

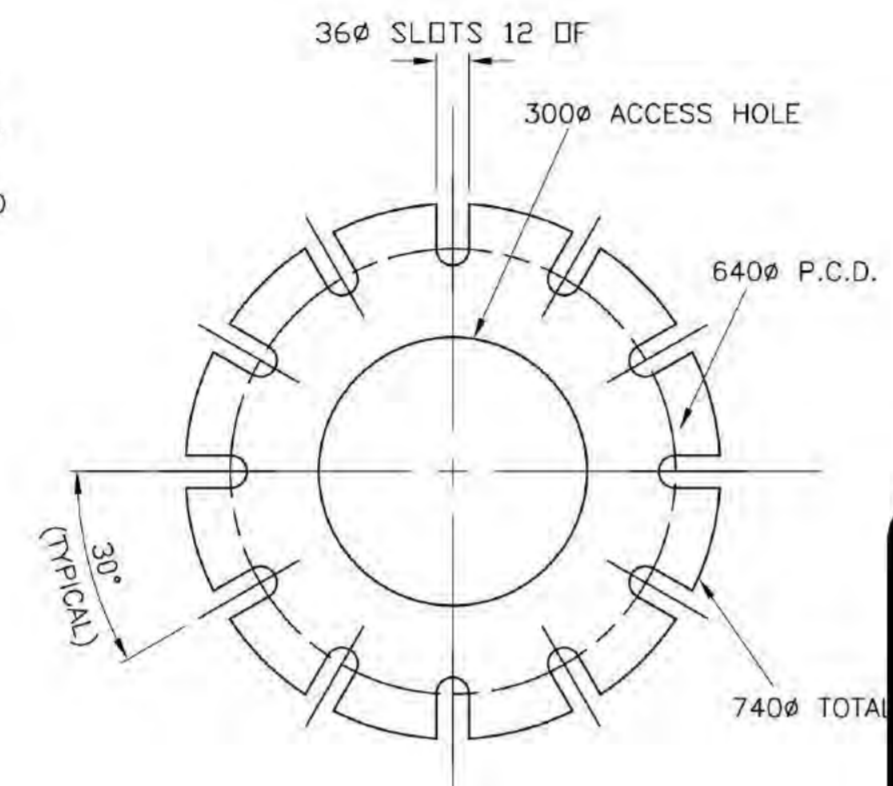
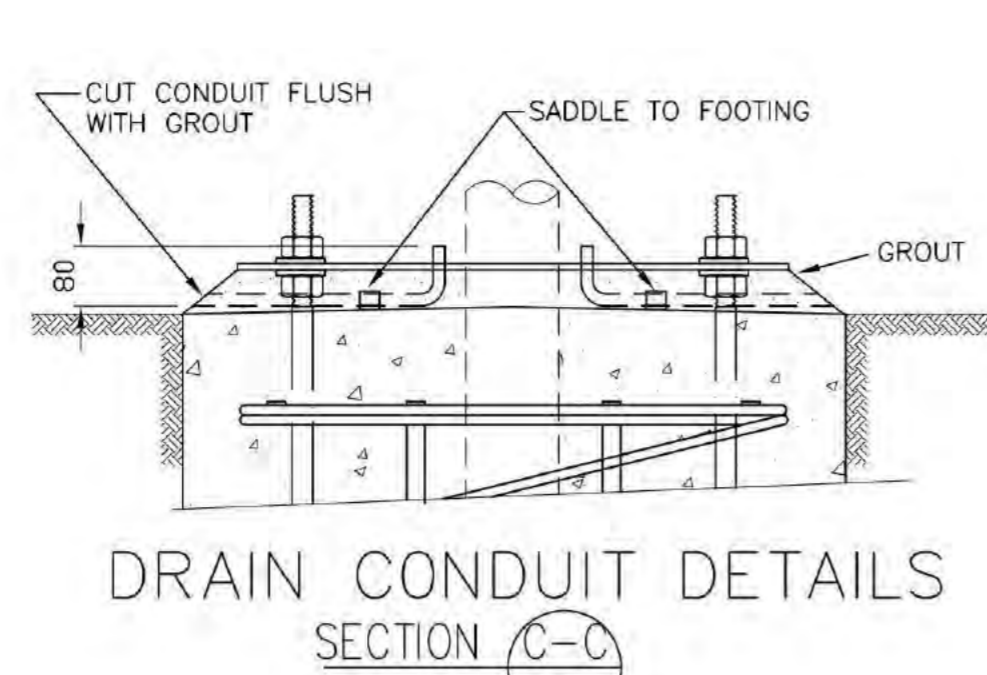
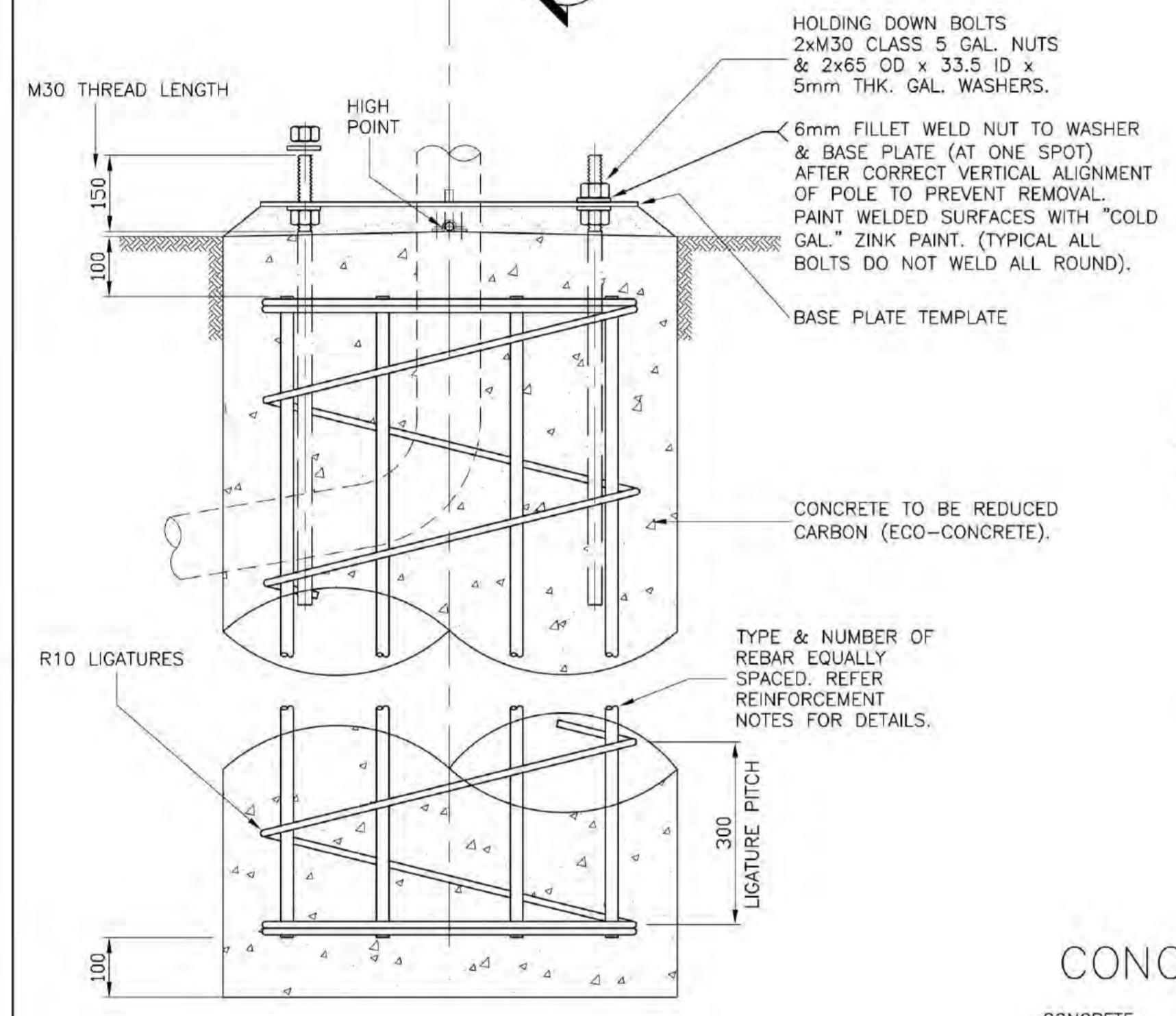
2x16mm PVC CONDUITS RUN UNDER BASE PLATE

Submission Number
03430/2025

Submission Received
11/09/2025

Document Assessed

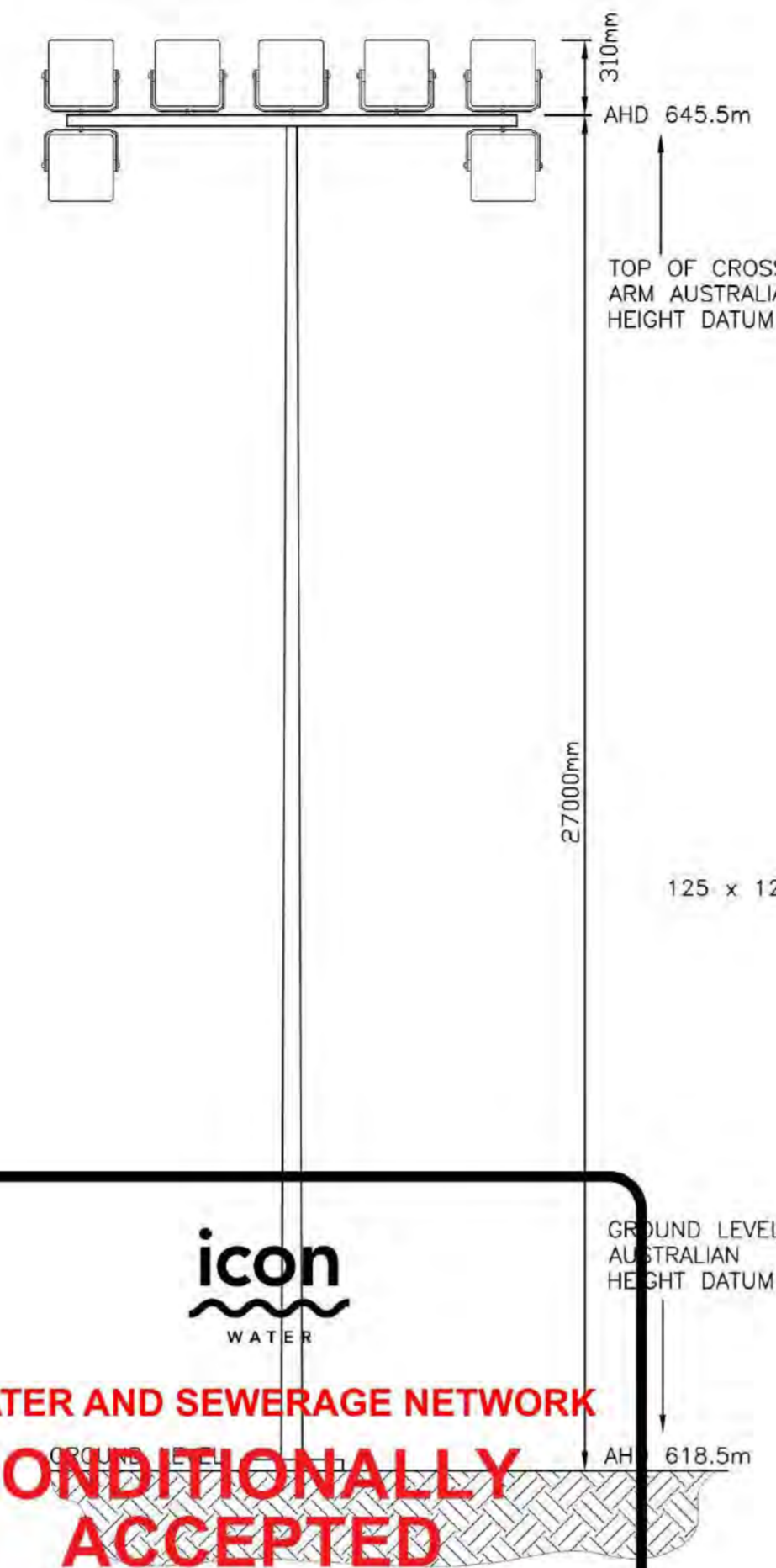
HOLDING DOWN
Page 18 of 20
(MAX. 640 PCD)



CONCRETE POUR NOTES

- CONCRETE
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3800 - CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
 - ALL CONCRETE SHALL BE PREMIXED FROM AN APPROVED SUPPLIER. PORTLAND CEMENT TYPE A TO BE USED. BLENDED CEMENT NOT TO BE USED. TABLE BELOW INDICATES STRENGTH GRADES.
 - ALL CONCRETE SHALL BE VIBRATED.
 - | LOCATION | STRENGTH GRADE | AGGREG. SIZE (MAX) | SLUMP NOMINAL (mm) |
|--------------------------|----------------|--------------------|--------------------|
| FOOTING-STANDARD SOILS | N32MPa | 20mm | 80 |
| FOOTING-AGGRESSIVE SOILS | N40MPa | 20mm | 80 |
 - REINFORCEMENT:
 - M : HOT ROLLED DEFORMED BARS TO AS 4671
 - F : FABRIC TO AS 4671.
 - R : STRUCTURAL GRADE PLAIN ROUND BAR TO AS 4671.
 - THE CONTRACTOR SHALL SUPPLY ALL NECESSARY BAR CHAIRS (PLASTIC TIPPED), SUPPORT AND SPACER BARS, AND CONCRETE BLOCKS FOR FOOTING AND SLAB REINFORCEMENT. TO PLACE STEEL IN ITS CORRECT POSITION DURING CONCRETING.
 - COVER TO REINFORCEMENT: 75mm MINIMUM ALL ROUND (CONCRETE WELL LINER INCLUDED).
 - SPLICES IN REINFORCEMENT SHALL ONLY AS APPROVED BY THE ENGINEER.
 - CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS BY ONE OF THE FOLLOWING METHODS:
 - (i) AN APPROVED CURING COMPOUND, OR
 - (ii) CONTINUOUS WATER SPRAYS FOR PERIODS, OR
 - (iii) THE SURFACE SHALL BE THOROUGHLY MOISTENED AND COVERED COMPLETELY WITH PLASTIC SHEET SECURELY HELD IN POSITION.
 - ENSURE THAT SIDES OF EXCAVATION ARE SUCH THAT SOIL DOES NOT FALL IN DURING PLACEMENT OF CONCRETE.

TYPICAL POLE ELEVATION



icon WATER

WATER AND SEWERAGE NETWORK

CONDITIONALLY ACCEPTED

POLES WITH 7 FITTINGS

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

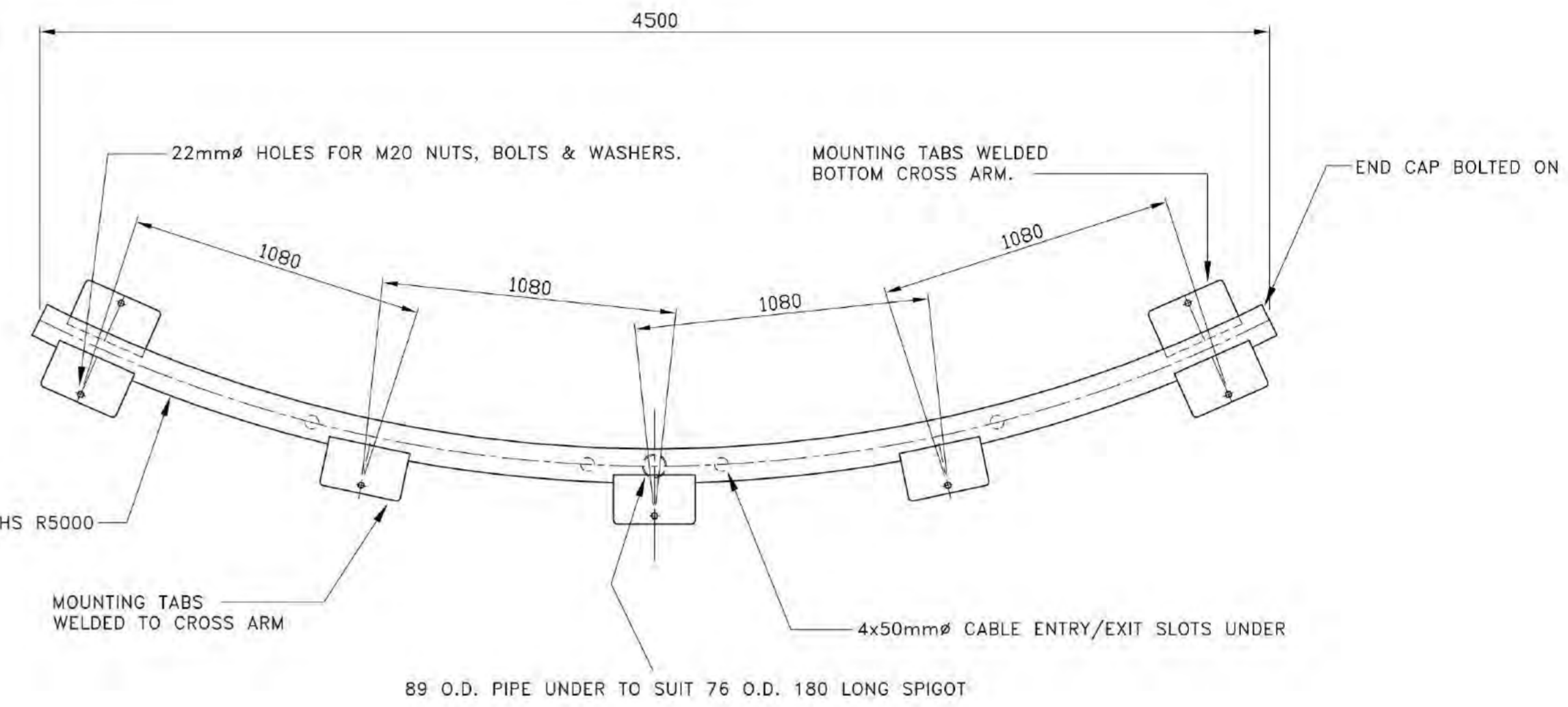
Signed: Sch 2.2(a)(ii) Sch 2.2(a)(iii) 13/09/2025

REINFORCEMENT NOTES

- REINFORCEMENT
- Q = SOIL RUPTURE INTENSITY (kPa/m). ASSUMED 150 (POOR SOIL). REFER FOUNDATION NOTES.
- M = MAXIMUM WORKING MOMENT RATED AT TOP OF PILE FOOTINGS 95.3kN-m. CONFIRM VALUE WITH INGAL EPS.
- V = MAXIMUM WORKING SHEAR RATED FOR AT TOP OF PILE FOOTING 7.7kN. CONFIRM VALUE WITH INGAL EPS.
- D = FOOTING DIAMETER (mm).
- J = FOOTING DEPTH (m).
- TABLE HAS BEEN PREPARED FOR A DISTURBED SOIL DEPTH OF UP TO 300mm. THE ANALYSIS IGNORES THIS LAYER OF SOIL IN ASSESSING THE SOIL STRENGTH. FOR DISTURBED SOILS DEPTHS GREATER THAN 300mm, REFER TO THE ENGINEER.
- | FOOTING DIAMETER (mm) | REINFC PCD (mm) | REINFORCEMENT (BAR SIZE / No DF BARS) |
|-----------------------|-----------------|---------------------------------------|
| 945 | 735 | Y20/24 |
| 1028 | 820 | Y24/20 |
| 1194 | 972 | Y28/18 |
| 1358 | 1125 | Y28/24 |

REFER DRAWING 1682-E1 FOR SITE PLAN
REFER DRAWING 1682-E3 FOR SWITCHBOARD DETAILS
REFER DRAWING 1682-E4 FOR AIMING DETAILS

CROSSARM ASSEMBLIES



XSP4500-GA17016 CROSSARMS

POLE ASSEMBLY NOTES

- SEE SPECIFICATION FOR POLE ASSEMBLY PROCEDURE. ENGINEERS INSPECTION AND "HOLD" POINTS IN ASSEMBLY PROCEDURE.
- POLE SECTIONS ARE TO BE ASSEMBLED SO THAT OVERALL DIMENSIONS AND DIMENSIONS AND SLIP DIMENSIONS MATCH THOSE SHOWN ON INGAL EPS DRAWINGS PROVIDED TO TOLERANCE +/- 4%.
- ASSEMBLED POLES ARE TO BE ALIGNED ALONG THE CENTRE LINE AND ADJUSTED AT THE MOUNTING SO THE ERECTED POLE SHALL NOT DEVIATE MORE THAN 5 DEGREES FROM THE VERTICAL AT ANY POINT.

TECHNICAL DETAILS

Pylon Type	Poor Soil (Q = 150)		Average Soil (Q = 300)		Good Soil (Q = 600)	
	d / D	J	d / D	J	d / D	J
Light Duty	945 / 735	3.6	1194 / 972	2.7	1358 / 1125	2.1

NOTE: RECOMMENDATIONS BASED ON INGAL EPS FPL27F PYLON SPECIFICATIONS.

- NOTE: FOUNDATION BOLTS ARE AS FOLLOWS (CONFIRM WITH MANUFACTURER)
- Light Duty 12xM30 @ 640 PCD 900 EMBEDMENT
- UNLESS GEOTECHNICAL REPORT PROVIDED FOR TENDER PURPOSES FOOTING DEPTH
- Light Duty J=3.6M

NOTE: FOOTING AND STEEL DETAILS ARE FOR GUIDANCE ONLY OBTAIN CIVIL ENGINEER'S INSTRUCTIONS AND APPROVAL FOR ALL PROPOSED FOOTINGS BEFORE CONSTRUCTION.

PILE FOOTING NOTES

- GENERAL
- ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE ENGINEERS DRAWINGS SHALL NOT BE SCALED.
 - WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- FOUNDATIONS
- SITE SHALL BE STRIPPED OF ALL VEGETATION IN BUILDING AREAS. ENSURE THAT NO VEGETATION OR ORGANIC MATTER EXISTS IN THE SOIL STRATA BELOW THE FOOTINGS OR SLAB ON GROUND FOR A DEPTH OF AT LEAST 1000mm.
- IF BASE AT FOOTING EXCAVATIONS BECOMES WET PRIOR TO POURING CONCRETE THEN THE WATER AND ANY SOFTENED MATERIAL SHALL BE REMOVED PRIOR TO POURING THE FOOTINGS.
- SOIL RUPTURE INTENSITY (Q kPa/m): THE WORST EXPECTED CONDITIONS SHOULD BE USED WHEN ESTIMATING THE STRENGTH OF PILE FOOTINGS FOR SOILS WHICH ARE DEFINED AS FOLLOWS:
- GOOD BEARING (Q = 600 kPa/m)**
HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATERTABLE.
- MEDIUM BEARING (Q = 300 kPa/m)**
BONDED SANDY LOAM, BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE. COMPACT MEDIUM CLAY, WELL
- POOR BEARING (Q = 150 kPa/m)**
SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER PROVIDED THESE DO NOT DEVELOP INTO SLUSH. SOFT CLAY, POORLY COMPACTED
- NOTE: THESE VALUES FOR Q ARE A GUIDE ONLY FOR ANY FOUNDATION.
- NOTE
FOOTING DESIGN INDICATED ON THIS DRAWING HAS BEEN CHECKED & APPROVED BY A CIVIL ENGINEER ON BEHALF OF AEC. THE CONTRACTOR SHALL OBTAIN THE CIVIL ENGINEERS INSPECTION & APPROVAL BEFORE PLACING CONCRETE. ENGINEERING LIGHTING COLUMNS. INGAL EPS HAS SUPPLIED THE WORKING BASE MOMENT AND SHEAR FOR THE PARTICULAR LIGHTING COLUMNS TO BE SUPPLIED.

No.	Date	Description	Init.
E	18/08/20	Revised To Comments	A.H.
D	25/02/25	D.A. Issue	A.H.
C	18/10/24	Scope Details	A.H.
B	14/02/24	Report Issue	A.H.
A	05/01/24	INITIAL SETUP	A.H.

Client
BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB

AEC consulting group
P.O. Box 503, Mowbray ACT 2807
Telephone: (02) 6101 4770
email: aec@aecgroup.com.au

CONSULTING ENGINEERS

Project
SHARK PARK SPORTSGROUND UPGRADE WORKS EAED STREET, BRUCE

BLOCK 4, SECTION 9 BRUCE, ACT

Site
SHARK PARK OVAL SPORTS LIGHTING INSTALLATION DETAILS

Scale: 1:500	Date: 08/01/2024
Drawn: A.Hill	Checked: JMCK Approved: ---
CAD File: A1	Sheet 3 of 4
Job No:	Drawing Number Amt.
1682	1682-E2 E

Submission Number

03430/2025

Submission Received

11/09/2025

Document Assessed

Page 20 of 20

NOTES:

REMOVE EXISTING 24x 2KW METAL HALIDE FITTINGS AND CROSS ARMS FROM EXISTING 4 PYLONS 22M TALL INCLUDING CABLING AND GEAR TRAYS. RECYCLE / DISPOSE OF EQUIPMENT UNLESS REQUIRED BY CLIENT. REMOVE EXISTING PYLONS & RECYCLE. REMOVE TOP 300MM OF CONCRETE & CUT FOUNDATION BOLTS. BACKFILL, COMPACT & RE-SEED ON COMPLETION. DEVELOPER TO REINSTATE CONCRETE PAVING AT NEW & EXISTING PYLON 2 POSITION ON COMPLETION OF CONTRACTOR WORKS.

UNLOAD DELIVERY TO SITE & ERECT 4 X 27 METER FLOODLIGHT PYLONS & CROSS ARMS SUPPLIED BY OTHERS TO POSITIONS SHOWN. SUPPLY & INSTALL NEW FOUNDATIONS IN ACCORDANCE WITH STRUCTURAL DESIGN PROVIDED BY PROJECT MANAGER. WHERE NOT AVAILABLE IN ACCORDANCE WITH THE PILE FOOTING PYLON RATINGS PROVIDED ON THE DRAWINGS. PYLONS TO BE UNLOADED TO SUITABLE LOCATIONS ON-SITE & SECTION SLIP ACHIEVED TO MANUFACTURES SPECIFICATIONS ON GROUND PRIOR TO ERECTION. ON COMPLETION SPOT WELD EACH BASE PLATE NUT (12 PER PYLON) TO ANCHOR BOLTS.

INSTALL ANCHOR BOLTS & FOUNDATION CAGES PROVIDED USING BASE PLATE TEMPLATE & LEVEL AS SHOWN.

STRUCTURAL SIGN OFF BY OTHERS DURING CARBON REDUCED CONCRETE PLACEMENT NOTIFY PROJECT MANAGER 7 DAY PRIOR TO ARRANGE INSPECTION.

TRENCH OVALS AS SHOWN AND INSTALL UNDERGROUND CONDUITS, PITS & CABLING TO PYLONS FROM THE EXISTING M.S.B. / NEW LIGHTING DISTRIBUTION / CONTROL PANEL. BACKFILL AND COMPACT MAKING GOOD GROUND SURFACE ON COMPLETION.

SUPPLY & INSTALL TWENTY EIGHT NEW 1550 WATT L.E.D. FITTINGS TO CROSS BAR ASSEMBLIES AND FIT CROSS BARS TO PYLONS IN ACCORDANCE WITH EQUIPMENT DETAILS ON THE DRAWINGS. FITTINGS EQUAL AAA-LUX WS2707 INCLUDING SHIELDS BY AREALUX. OBTAIN SHIELD INSTALLATION INSTRUCTIONS & AIMING APPARATUS FROM ENGINEER & RETURN ON COMPLETION.

INSTALL PHASE LINKS, ISOLATOR & LUMINARIES PROTECTION EQUIPMENT TO PYLONS AND MAKE ALL TERMINATIONS. ENSURE ALL EQUIPMENT IS ADEQUATELY FUSED/PROTECTED AT PYLONS IN ACCORDANCE WITH MANUFACTURERS' RATINGS.

SUPPLY AND INSTALL NEW LIGHTING CONTROLS. MOUNT LIGHTING CONTROL BOX, ANTENNA BOX & INPUT SENSOR BOX SUPPLIED WITH LUMINARIES TO CONTROL PANEL (EXISTING POLE 1 & POLE 2 SECTIONS) & INTERFACE CABLING AS SHOWN ON DRAWINGS.

SUPPLY AND INSTALL 63mmØ CONDUIT FOR NEW SUB-MAINS FROM NEW M.S.B. INSTALL 4 CORE 35mm² & 25mm² Cu X.L.P.E. SUB-MAINS CIRCUIT BREAKERS & INTERNAL CONDUIT MOUNTING AS NOTED.

POSITION FLOODLIGHTS TO NOMINATED AIMING POINTS AND COMMISSION COMPLETE SYSTEM IN ACCORDANCE WITH ENGINEERS' INSTRUCTIONS. A REPRESENTATIVE FROM THE LUMINAIRE SUPPLIER CAN ASSIST WITH AIMING TECHNIQUES.

PROVIDE SHOP DRAWINGS DETAILING THE PROPOSED SWITCHBOARD & LIGHTING CONTROL PANELS PHYSICAL AND ELECTRICAL LAYOUT PRIOR TO MANUFACTURE.

LEGEND:

- (COMMUNICATIONS) = NEW JB COMMUNICATIONS PIT.
(Power) = ACO CABLEMATE PIT & LID No. 75957 & 75990 (715x410x800)
- - - - - = EXISTING OR NEW AS NOTED EVO ENERGY U.G. HIGH VOLTAGE CABLING.
- - - - - = EXISTING EVO ENERGY U.G. LOW VOLTAGE CABLING TO REMAIN.
- - - - - = EXISTING EVO ENERGY U.G. LOW VOLTAGE STREET LIGHT CABLING.
- - - - - = EXISTING INSTALLATION U.G. MAINS & CIRCUIT CABLING TO BE DISCONNECTED & ABANDONED.

REMOTE ACCESS & CONTROL NOTES:

CONTRACTOR TO INSTALL NEW CONTROL PANEL TO REAR OF M.S.B. CONTROL SECTION WITH I/O MODULES LINKED TO NEW FLOODLIGHT REMOTE CONTROL INTERFACE RELAYS VIA CONTROL / STATUS CABLING IN LIGHTING PANEL. INSTALL NEW MOBILE ROUTER CONNECTED TO MOBILE LEAD ON NEW ANTENNA MOUNTED ON TOP OF M.S.B. INSTALL DATA CABLE FROM ROUTER TO SECURITY PANEL.

INSTALL 240V INTERFACE RELAYS WITH 10A 240V RATED CONTACTS, 2 CHANNEL TIME CLOCK (CHANNEL 2 SPARE), OFF/MANUAL/AUTO/REMOTE & 50 LUX/100 LUX / 200 LUX ROTARY OPERATIONAL SWITCHES.

- THE FOLLOWING SPECIFIC EQUIPMENT TO BE SUPPLIED DIRECTLY BY CONTRACTOR:
- INDUSTRIAL MOBILE ROUTER COMSET CM685V-4 INDUSTRIAL GRADE 3G 4G 4GX COMPLETE WITH PLUG IN POWER SUPPLY.
- "PUCK" TYPE ANTENNA TAOGLAS COLOSSEUM HEAVY DUTY LOW PROFILE 5 IN 1 (2XMOBILE, 2XWIFI & 1XGPS) NO. MA850.A.LBICG.001.

CONTRACTOR TO SUPPLY & INSTALL NEW CONTROL / STATUS CABLING FROM CHALLENGER 10 PLUS CONTROL PANEL TO INTERFACE RELAY TERMINALS. CONTRACTOR TO UNDERTAKE INSTALLATION OF AAA-LUX EQUIPMENT & SUPPLY & INSTALLATION OF ALL OTHER EQUIPMENT & CABLING. CONNECT AAA-LUX LIGHTING ANTENNA BOX TO WIFI CONNECTION ON NEW ANTENNA PROVIDE CABLE EXTENSION AS REQUIRED & INSTALL DATA CABLE FROM PORT TO LIGHTING CONTROL BOX.

UNDERTAKE REQUIRED PROGRAMING & ARRANGE ALL SYSTEMS INCLUSION ON WEB MANAGEMENT SYSTEM.

PROVIDE USER TRAINING & ASSISTANCE FOR USERS TO ACCESS VIA AAA-LUX MOBILE APPLICATION.

GENERAL ELECTRICAL SPECIFICATION NOTES:

AEC ENGINEERS WILL INSPECT THE INSTALLATION WORKS UNDERTAKE COMMISSIONING TESTS & VERIFICATION MEASUREMENTS AND CERTIFICATION ON COMPLETION.

PROVIDE 12 MONTHS WARRANTY ON INSTALLATION WORKS AND MATERIALS FROM THE DATE OF PRACTICAL COMPLETION CERTIFIED BY THE ENGINEER.

GAIN ENGINEERS' APPROVAL TO ALTER ANY PART OF THE APPROVED DOCUMENTED WORKS OR REJECTION & RECTIFICATION WORK WILL BE DONE AT COST TO THE CONTRACTOR.

ON COMPLETION OF SWITCHBOARD INSTALLATION WORKS SUBMIT REQUIRED APPROVAL AND ENERGISE THE INSTALLATION.

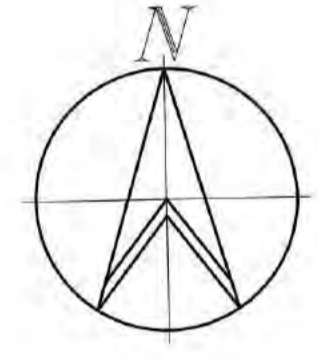
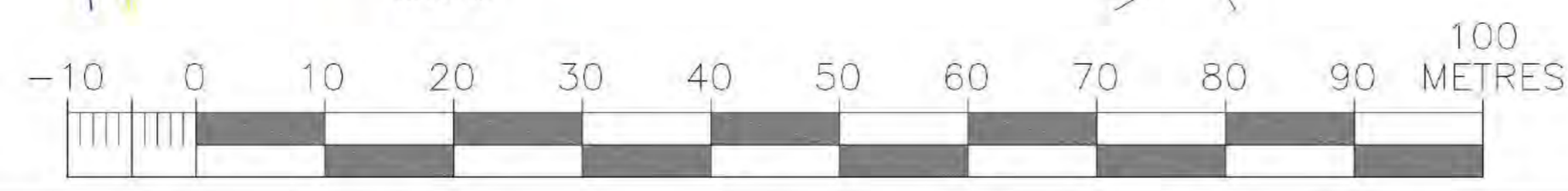
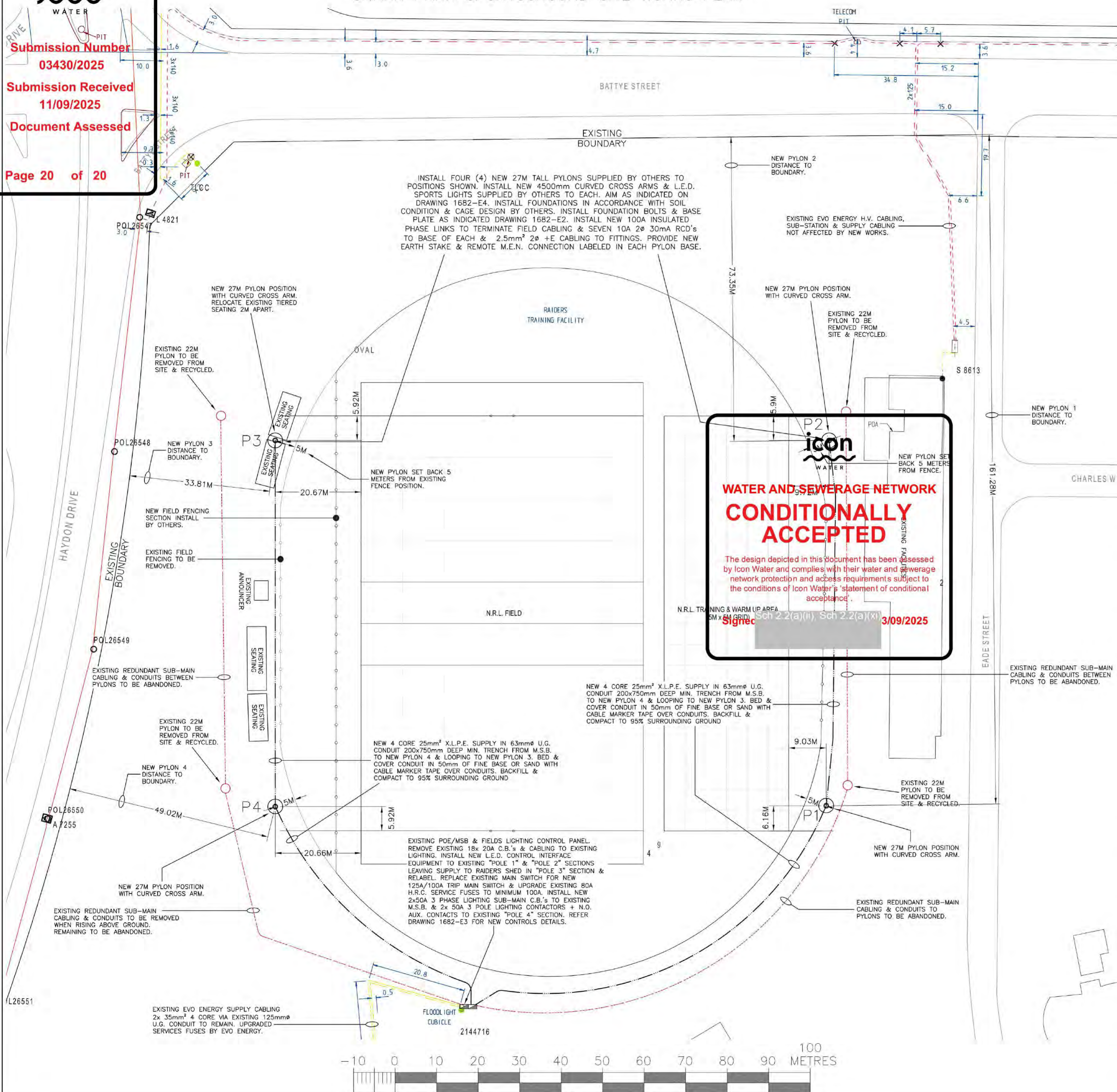
MAKE ALL NECESSARY ARRANGEMENTS FOR SHUTDOWNS ETC. WITH EVO ENERGY AND PAY ANY ASSOCIATED FEES & CHARGES.

USE BARRIERS AND SIGNAGE TO PROTECT THE PUBLIC FROM INJURY ATTRIBUTED TO THE EXCAVATION OR INCOMPLETE WORKS.

ALL WORK TO COMPLY WITH:

- > BUILDING CODE OF AUSTRALIA
> AS 3000 (WIRING RULES)
> AS 3008 (CABLE SELECTION & DE-RATING)
> AS 2560 SERIES (SPORTS LIGHTING STANDARDS)
> AS 4282 (OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING)

Water and Sewerage Network Conditionally Accepted. The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's statement of conditional acceptance. Signed 3/09/2025



Revision table with columns: No., Date, Description, Initials.

Client: BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB

AEC consulting group CONSULTING ENGINEERS

Project: SHARK PARK SPORTSGROUND UPGRADE WORKS EAED STREET, BRUCE BLOCK 4, SECTION 9 BRUCE, ACT

Title: SHARK PARK OVAL ELECTRICAL SERVICES SITE PLAN & DETAILS

Project information table including Scale (1:500), Date (08/01/2024), Drawn (A.Hill), Checked (J.McK), Sheet (2 of 4), Job No. (1682), Drawing Number (1682-E1), and Amt. (E).

Planning Act 2023

Development Application

Application Number: 202544374



Submission Number:
03430/2025
Submission Received:
11/09/2025
Document Assessed

Type of application

The type of application you are applying for is a New Application

To ensure officers can provide you with appropriate advice in relation to your development proposal you will need to provide supporting plans and documentation.

Are you applying for a

- Development Application

Site Details

Site Number: 1

If your rural property is identified by a block/section/suburb, please select the Urban radio button.

- Urban

Suburb: BRUCE Section: 9 Block Number: 4 Unit Number: []

Street Address: 2 EADE STREET, BRUCE



CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed: [Signature] 23/09/2025

Applicant Details

What type of applicant are you:

- Non-business (individual)

Solution: [] First Name: [] Surname: []

Sch 2.2(a)(ii)

Lessee Details

Submission Number: 24390026

Submission Received: 11/02/2025

Document Available

Lessee Number: 1

Page 2 of 29

Is the Lessee a:

Organisation or Government entity

Australian Business Number (ABN)

43273796990

Company Name

Australian Capital Territory

Position held / Title

Salutation

None

First Name

Stephen

Surname

French

Postal Address 1

GPO Box 826

Postal Address 2

Postal Address 3

Suburb

Canberra

State/Territory

ACT

Postcode

2601

Country

Phone Number

Sch 2.2(a)(ii)

Fax Number

Mobile Number

Email

stephenc.french@cit.edu.au

WATER AND SEWERAGE NETWORK

CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of the Water and Sewerage Network Protection and Access Requirements.

Signed: Sch 2.2(a)(ii), Sch 2.2(a)(iii) 11/02/2025

Exclusion of Lessee Details

Any information provided as part of the application (including lessee names and contact details in this application form and in the submitted plans), will be publicly notified. In accordance with publication requirements under the Planning Act 2023, these details may be available for up to 5 years after a decision has been made.

Has the lessee been advised on the access to information requirements under Chapter 14 of the *Planning Act 2023*?

Yes

Zones

Please specify which zone applies to this application.

NOTE: Land use zone information can be found on the Territory Plan map in [ACTmapi](#).

CFZ Community Facility Zone

Fully Describe Your Proposal

Please fully describe your proposal (this should outline all aspects of the development):
Replacement of Playing Field Lighting towers & light fixtures.


 Submission Number
 03430/2025
 Submission Received
 11/09/2025

Type of Development

Please outline the type of development or works that are proposed (please select all that apply):

Additions or alterations to existing development

The proposed development or land use is for the following, as per the Territory Plan definitions:

Parks and recreation

Outdoor recreation facility

Proposed Use of the Land

Is the proposed use consistent with the current Crown Lease?

Yes

Is the block unit titled?

No



WATER AND SEWERAGE NETWORK
CONDITIONALLY ACCEPTED

Development Application 03430/2025
Submitted 27/08/2025
Assessment completed 23/09/2025

Signed [Redacted] 23/09/2025

Related Applications

Is this application related to any other (development application, environmental impact statement, environmental significance opinion, major or minor plan variation or other DA)?

No

Territory Plan Policies

District policy:

Belconnen District Policy

Zone policy:

Community Facility Zones Policy

Other policies:

Not applicable

Development Height

Does the proposed development include any buildings or structures?

Yes

Submission Number: 03430/2025

Submission Received: 23/09/2025

Document Assessed

Storesys

Page 4 of 26

Metres

25.1-28

Gross Shop Floor Area

Does the development proposal increase the floor space of a shop by more than 2000m2 in a Residential Zone, Commercial Zone, Community Facility Zone or a Park and Recreation Zones?

No

Subdivision Design Application

Does the development proposal include subdivision or consolidation?

No

Does the development propose the creation of new public roads?

No

Does the development propose the removal of current public roads?

No

Does the development propose land use zone changes and construction requirements for future development (e.g. greenfield estates)?

No

Note: If yes to any of the above, the application may be considered a significant development.

Unit Title

Do you intend to Unit Title the development in the future?

Note: The information provided in this section is for information and use during development assessment only. It is not an application for unit titling. The unit title process is separate to the DA process. Further information can be found at

<https://www.planning.act.gov.au/community/buy/leasing-and-titles/unit-titles/guide-to-the-unit-title-application-process>.

Note: If yes, you will need to consider if the use is consistent with the Crown lease and your



development is for subdivision which requires consideration of the Subdivision Policy in the Territory Plan. Failure to accurately indicate the intention to Unit Title may result in the need for an additional development application.

Submission Number: 24746
 Application Reference: 24707072
 11/09/2025
 Document Assessed
 No
 Page 5 of 20

Gross Floor Area

A: Existing GFA (m2):

0.0

B: GFA to be demolished (m2):

0.0

C: GFA to be added (m2):

0.0

D: Total GFA (A-B+C) (m2):

0

icon
WATER

WATER AND SEWERAGE NETWORK

CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage requirements in accordance with the conditions of Icon Water's statement of conditional acceptance.

Signed: [Signature] 3/09/2025

Schedule of Area and Cost of Works

Are you proposing a development with an applicable building class as defined in the Building Code of Australia?

Yes

Please outline the total floor area of the building works (measured to the outside of the walls) and the associated cost of works for each applicable building class as defined in the Building Code of Australia.

Cost of works are calculated using the table of rates in the [Building \(General\) \(Cost of Building Work\) Determination 2020](#)

Note: A summary of costs from a bill of quantities prepared by a quantity surveyor MAY be requested for proposals where cost of work is between \$0 and \$10 million. A summary of costs from a bill of quantities **MUST** be provided for proposals where cost of work is over \$10 million.

Class 10

Building Class 10b

Building Class 10b Floor area (m2) measured to the outside of the walls:

50.0

Building Class 10b Cost of Works (\$):

300000.0

Submission Received
11/09/2025
Document Approved
Page 6 of 20

Cost of all associated works (\$):

50000.0

TOTAL COST OF WORKS (\$):

350000

City Renewal Precinct

Is the block located in the City Renewal Precinct?

Note: The City Renewal Precinct can be viewed on the Development Map in [ACTmapi](#).

No

National Capital Plan

Is the block subject to special requirements of the National Capital Plan?

Note: These details can be found on the National Capital Authority Map in [ACTmapi](#).

No



Future Urban Area

Is the block located in a future urban area?

Note: Future urban areas are shown as overlays on the Territory Plan map in [ACTmapi](#).

No

Trees

Does the proposal include the removal of any trees?

No

Does the site contain any protected trees, or does the proposal relate to any part of a declared site – as defined by the Urban Forest Act 2023?

No

Note: Protected trees, declared sites, tree protection zones and other terms are defined in the Urban Forest Act 2023. If works are proposed within a tree protection zone, or any protected trees are proposed for removal a Tree Management Plan may be required.

Public land

Does the proposed development relate to public land (e.g. a reserve or urban open space)?
Note: You can find public land information as an overlay on the Territory Plan map in [ACTmap](#).

No

Submission Number: 03430/2025
 Submitted/Received: 11/09/2025
 Document Assessed

Native vegetation and threatened habitat

Does the site contain any native vegetation?

Note: Native vegetation includes trees, understorey plants, ground story consisting of any kind of grass or herbaceous vegetation and plants occurring in a wetland or stream (as defined in the Nature Conservation Act 2014)

No

Will the proposal impact the habitat of a threatened species, ecological community or other protected matter?

Note: Threatened species, ecological communities and protected matters include species and ecological communities protected under the ACT Nature Conservation Act 2014, or any other matter under the Commonwealth Environment Protection and Biodiversity Conservation Act 1999.

No

Heritage

Does the proposal relate to a place or object registered under the Heritage Act 2004?

Note: Please refer to the ACT heritage register at <https://www.environment.act.gov.au/heritage/heritage-register> for more details.

No

icon
WATER AND SEWERAGE NETWORK
CONDITIONALLY ACCEPTED
Signed Sch 2.2(a)(i), Sch 2.2(a)(ii) 09/2025

Contamination

Is the site on the ACT Register of Contaminated Sites?

Note: Please refer to the online Register of Contaminated Sites at <https://services.accesscanberra.act.gov.au/s/public-registers/generic-register?registerid=register-of-contaminated-sites> for more details.

No

Hazardous Material

Does the proposal involve the storage of the placard quantity of a Schedule 11 hazardous chemical that is not mentioned in the [Planning and Development \(Placard Quantity Premises\) List 2018 \(NI-2018-532 – repealed\)](#)?

Note: Schedule 11 hazardous chemicals are outlined in the Work Health and Safety Regulation 2011. They include flammable gases, liquids or solids (e.g. petrol or diesel), and other toxic or unstable substances. Developments that store over the placard quantity will generally be industrial or very specific in nature, such as petrol stations.



Greenhouse Gas Emissions

Will the development, when operational, produce more than 250 tonnes of carbon dioxide per year?

No

Environmental Impact Statement and Environmental Significance Opinion

Is an environmental impact statement (EIS) required for the development proposed?

No

Is this an application for which an environmental significance opinion (ESO) has been given?

No

Significant Application



Is this a significant development application under section 94 of the Planning Act 2023?

No

Note: A development is a significant development if it requires any of the following:

- A subdivision design application (Note: to include a development proposal changing a block boundary or subdividing land under the Conveyancing Act 2001)
- Consultation with the National Capital Design Review Panel (NCDRP)
- An environmental impact statement (EIS).

Territory Priority Project

Is the project for a territory priority project?

Note: A territory priority project is one that is jointly declared by the Chief Minister and Minister prior to the lodgement of a DA.

No

Bushfire Risk Management

Is the site located within a bushfire prone area?

Note: Bushfire prone areas are shown on the Bushfire map in [ACTmapi](#).

No

Is the block identified in the relevant sections in the Territory Plan (see district

specifications) as having a Bushfire Attack Level?

icon WATER
No
Submission Number:
03430/2025
Submission Received:
11/09/2025
Parking

Does the development propose changes to existing onsite parking arrangements?

No

Does the development propose changes to existing offsite parking arrangements?

No

Are electric vehicle charging points proposed as part of the development?

No

Driveways

Does the development proposal include the construction or modification of driveway/s?

No

Waste Management

Are post-occupancy waste management facilities, including waste storage enclosures, proposed as part of the application?

No

icon WATER
WATER AND SEWERAGE NETWORK
CONDITIONALLY
ACCEPTED
Signed: [Redacted] 11/09/2025

Erosion and sediment controls

Is the site greater than 0.3 hectares?

Yes

Note: For development sites greater than 0.3 hectare, an Erosion and Sediment Control Plan must be prepared in accordance with the ACT EPA Environment Protection Guidelines for Construction and Land Development in the ACT.

Note: For works such as class 10 structures, additions and alterations, and backyard swimming pools - a note on the plan that "the development will comply with the ACT Environment Protection Authority, Environment Protection Guidelines for Construction and Land Development in the ACT" is required. In circumstances where there is a reasonable risk that soil from the required earth works in the front of the block will impact on the stormwater system because the block slopes towards the street a separate Erosion & Sediment Control Plan will be required.

Servicing and Utilities

Are utility connections and/or services proposed to be installed as part of this application?

No

Submission Number: 03430/2025
 Submission Received: 11/09/2025
 Document Assessment: Page 10 of 20

connections and/or services proposed to be installed as part of this application?

Are utility connections and/or services proposed to be relocated as part of this application?

No

Note: In accordance with the Climate Change and Greenhouse Gas Reduction Regulation 2010 (the CCGGR Regulation), a new connection to the gas network will not be available unless an exemption from the CCGGR Regulation is granted. An exemption must be granted prior to seeking Building Approval.

For more information about the Regulation and exemptions from the CCGGR Regulation, please visit the Everyday Climate Choices website: <https://www.climatechoices.act.gov.au/policy-programs/preventing-new-gas-network-connections>.

Are easements proposed to be established or altered?

*Note: Easements on leased land can be viewed on the basic map in [ACTmap*i*](#).*

Note: If yes, a lease variation may be required.

No

Entity consultation

Has an entity provided written agreement to the proposed development?

Note: If yes, written agreement from entities is required to be provided with the application.

No



Development Undertaken Without Approval

Is this application for development undertaken without approval (i.e. retrospective approval for existing works)?

Note: If yes, an unapproved existing development plan prepared or signed by a registered surveyor showing the location and dimensions of the unapproved development, including height, width, and length dimensions and setbacks to block boundaries is required to be provided with the application.

No

Survey Requirements

Has the required survey information been provided?

Note: A guideline may require certain survey information to be submitted in certain circumstances.

No

Loose fill asbestos

icon
WATER
Submission Number:
03430/2025
Submission Received:
08/27/2025
Document Assessed:
08/27/2025
Page 11 of 20

Is this a surrendered residential block?

Note: These are Mr Fluffy loose-fill asbestos affected residential premises, as outlined on the register at <https://www.loosefillasbestos.act.gov.au/affected-properties/register>.

No

Exclusion from Public Inspection

Are you requesting an exclusion from public inspection for any or part of the application?

Any information provided as part of the application (including lessee names and contact details in this application form and in the submitted plans), will be publicly notified. In accordance with publication requirements under the Planning Act 2023, these details may be available for up to 5 years after a decision has been made.

No

Conflicts of Interest

Does the applicant or lessee have any association with a delegate of the territory planning authority or an entity likely to be consulted during the assessment process?

No



Applicant/Lessee Declarations

I/we hereby apply for approval to carry out the development described on the land specified in this application;

I/we declare that this application is accompanied by all of the required information or documents that address the relevant Territory Plan Policies. This information outlines how the application meets mandatory requirements of the Territory Plan, and any other requirements of the Planning Act 2023);

I/we have provided all relevant documentation in accordance with the minimum documentation requirements for lodgement of a Development Application (DA). Please note, if your application does not contain all the required documentation that your application is likely to experience delays and fees may apply;

I/we understand that the information submitted with this application form will undergo a documentation check prior to the payment of fees and formal lodgement of the application. Further information may be required prior to the acceptance of the development application by the territory planning authority;

I /we understand that this application will be considered lodged once the relevant application fees have been paid;

I/we understand that if during the assessment of this application it is found that mandatory documentation requirements, such as a finalised environmental impact statement (EIS), environmental significance opinion (ESO), has not been submitted the application will be refused and I/we will not be entitled to a refund or transfer of fees;

Icon Privacy Notice

Submission Number:
03430/2025
Submission Received:
11/08/2024
Document Accessed:
11/08/2024
Page 13 of 28

The personal information on this form is provided to the City and Environment Directorate (CED) to enable the processing of your application. The collection of personal information is authorised by the Planning Act 2023. If all or some of the personal information is not collected CED cannot process your application.

The Planning Act 2023 requires the details of applications, decisions and orders to be kept on a register and made available for public inspection. Information and documentation relevant to a development application may be made available via the Internet.

The personal information you provide may be disclosed to Australian Bureau of Statistics, ACT Revenue Office, the Registrar General's Office, ACTEW Corporation, ActewAGL, and other Government agencies with a direct interest in the development assessment process. The information may also be disclosed where authorised by law or court order, or where the Directorate reasonably believes that the use or disclosure of the information is reasonably necessary for enforcement-related activities conducted by, or on behalf of, an enforcement body.

[CED's Information Privacy Policy](#) contains information about how you may access or seek to correct your personal information held by CED, and how you may complain about an alleged breach of the Territory Privacy Principles.



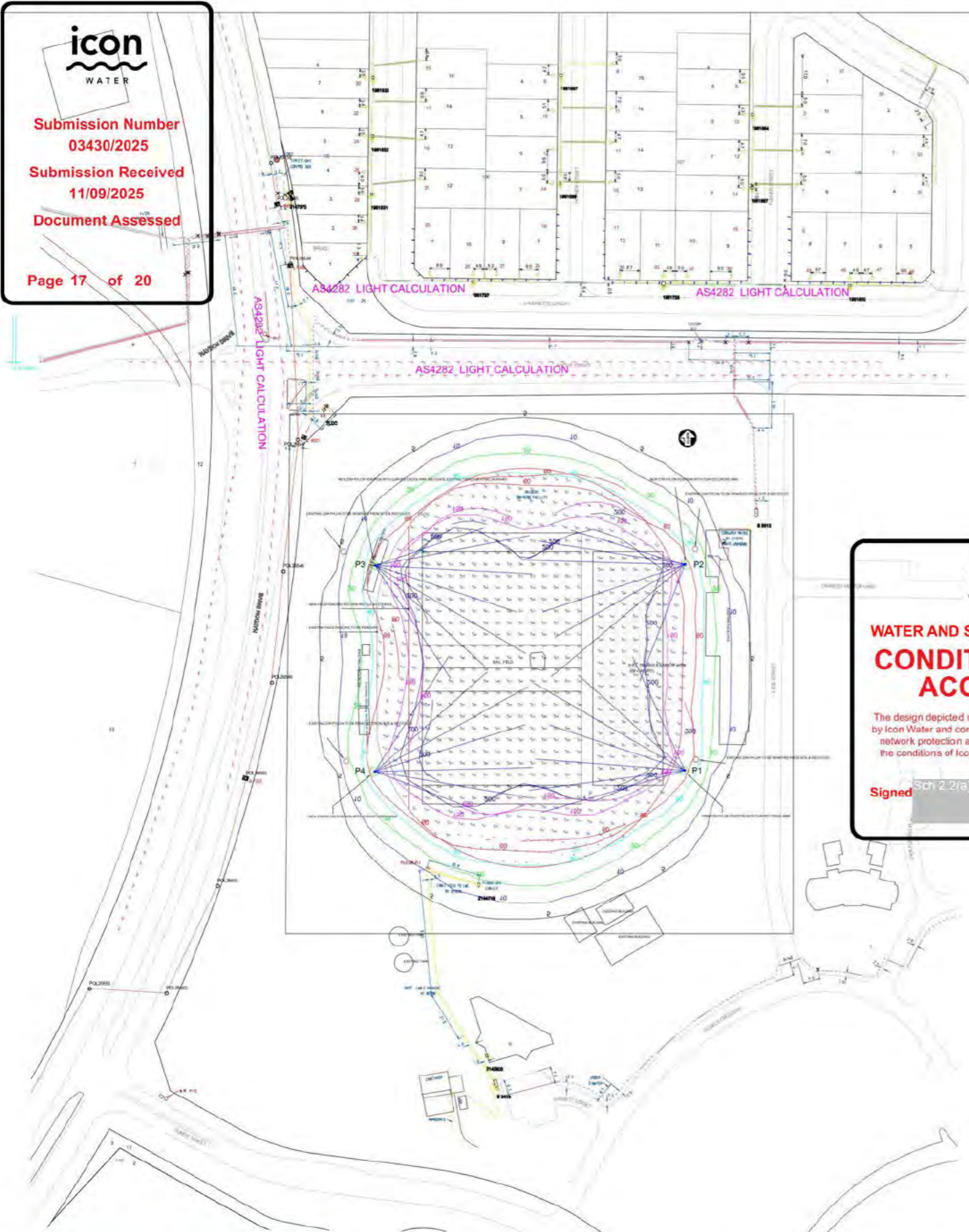
icon
WATER

Submission Number
03430/2025

Submission Received
11/09/2025

Document Assessed

Page 17 of 20



icon
WATER

WATER AND SEWERAGE NETWORK

CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of acceptance'.

Signed: [Signature] 11/09/2025

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
 Filename: Belconnen Shark Park 20Lux Design - Canberra Raiders Training
 Ground - Compliance Achieved - LLF = 1
 30/01/2024 10:27:42 AM

Illuminance
 Maximum Allowable Value: 10 Lux

Calculations Tested (12):

Calculation Label	Test Results	Max. Illum.
OL - RES BAUDINETTE CIRCUIT_1_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_1_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_2_III_Seg4	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_3_III_Seg2	PASS	1
OL - RES BAUDINETTE CIRCUIT_3_III_Seg3	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg1	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg2	PASS	0
OL - RES BAUDINETTE CIRCUIT_4_III_Seg3	PASS	0

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (12):

Calculation Label	Test Results
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_1_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_2_Cd_Seg4	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_3_Cd_Seg3	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg1	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg2	PASS
OL - RES BAUDINETTE CIRCUIT_4_Cd_Seg3	PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (4):

Calculation Label	Adaptation Luminance	Test Results
OL - TI - BATTYE ST WEST	10	PASS
OL - TI - BATTYE ST EAST	10	PASS
OL - TI - HAYDON DR STH	10	PASS
OL - TI - HAYDON DR NTH	10	PASS

Upward Waste Light Ratio (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.0 %
 Test Results: **PASS**

AS/NZS 4282:2023, A3 - MED
 DISTRICT BRIGHTNESS -
 Non-Curfew L1

MAX. VERTICAL ILLUMINATION =
 10LUX

VERTICAL LUMINOUS INTENSITY =
 12 500cd

CALCULATIONS ARE UNDERTAKEN
 AT A LLF OF 1 AS PER THE
 STANDARD AS4282:2023.

THE DESIGN HAS DEMONSTRATED
 THAT THE RESULTS WILL HAVE
 THE LEAST IMPACT ON LOCAL AND
 VISITING RESIDENTS , TRANSPORT
 SYSTEM USERS , SKY GLOW AND
 WILDLIFE.

THE DESIGN RESULTS ARE BASED
 ON PHOTOMETRIC DATA AND .IES
 FILES PROVIDED BY THE
 MANUFACTURER. SOFTWARE
 USED IN THE DESIGN IS AGI32
 V21.2

NOT FOR CONSTRUCTION



ADDRESSEE:
 PO Box 304
 Paddington
 QLD 4064
 p:1300 AAALUX
 (1300 222 589)

PROJECT:
 20211008_Belconnen Sharks
 RLFC_Canberra Raiders Training
 Ground , Bruce ACT 2617

Drawing Title:
**AS4282 SPILL LIGHT
 ASSESSMENT OF
 CONFORMANCE**

AAA-LUX LIGHTING AUSTRALIA CANNOT GUARANTEE THE ACCURACY OF CONTENT AND FORMAT FOR CONSTRUCTION UNLESS ENDORSED BY THE CONTRACTOR AND APPROVED FOR ISSUE.

This design and specification is the copyright of AAA-LUX LIGHTING AUSTRALIA. Any unauthorised use may result in proceedings being brought against the user by AAA-LUX LIGHTING AUSTRALIA.

This document is prepared by AAA-LUX LIGHTING AUSTRALIA solely for the benefit of the user and is not to be used for any other purpose without the prior written consent of AAA-LUX LIGHTING AUSTRALIA. The user shall be responsible for ensuring that the design and specification are suitable for the intended use and for any third party using or relying on the design and specification.

Lighting calculations are subject to measurement and installation conditions with regards to fixture & aimed light loss.

This drawing is intended to be used as a guide only and is not to be used for construction purposes. The user shall be responsible for ensuring that the design and specification are suitable for the intended use and for any third party using or relying on the design and specification.

Disclaimer - This design is made for guidance purposes only. Please check all dimensions and work before commencing work on site. AAA-LUX LIGHTING AUSTRALIA is not responsible and takes no responsibility. AAA-LUX LIGHTING AUSTRALIA accepts no liability for the accuracy of this information or the content or performance of any design whatsoever.

© AAA-LUX LIGHTING. All Rights Reserved.

Issue	Comment	Date
B	UPDATED DESIGN	30.01.2024
A	FOR INFORMATION	01.11.2021

PROJECT No:
 20211008

DATE:
 01.11.2021

SHEET:
 A3

SCALE:
 AS SHOWN

LIGHTING ENGINEER
 SK M IES

SHEET
 4



ACT
Government

Territory Planning
Authority

NOTICE OF DECISION

Made under part 7.6 of the *Planning Act 2023*

DEVELOPMENT APPLICATION DETAILS

This Notice of Decision relates to the below development application

Application Number	DA 202544374
Lodgement date	11 September 2025
Site Description	Block 4 Section 9 Bruce
Crown Lease	Volume: 1931 Folio: 15
Type of Development	Community Facility – Alterations and Additions
Proposal Description	Removal of the existing lighting poles, installation of new playing field lighting poles, light fixtures, and associated works.

DECISION

The below is made pursuant to section 185 of the *Planning Act 2023*.

Decision	APPROVED SUBJECT TO CONDITIONS
Decision Date	16 October 2025
Reasons for the Decision and Considerations	PART 1: Application and Assessment Summary PART 2: Statutory Considerations: <ul style="list-style-type: none">- Public notification and representations- Entity advice- The Territory Plan- Other Statutory Considerations
Conditions, Administrative Information and other Appendices	APPENDIX A: Conditions of approval and advisory notes APPENDIX B: Attachments of relevant entity advice APPENDIX C: Administrative Information

CONTACT / ENQUIRIES

DA Gateway team

Phone: (02) 6207 6383

Online Form:

<https://services.accesscanberra.act.gov.au/s/forms/land-planning-and-building-enquiry>

Sch 2 2(a)(ii)



Anita Yusoff

Delegate of the Territory planning authority

NOTICE OF DECISION

DA 202544374

REASONS FOR THE DECISION AND CONSIDERATIONS

PART 1 APPLICATION AND ASSESSMENT SUMMARY

The plans and documentation submitted as part of the development application and any subsequent information or amendments, as outlined in **Table 1** below, were considered throughout the assessment and decision-making process. All conditions of approval and advice is noted in **APPENDIX A**.

Table 1: Timeline of application

	Reference	Lodgement(L)/ Request (R) Date	Public Notification Period	Number Of Representations Received	Entity Referrals
Development Application (S166)	202544374	L-11 September 2025	16 September 2025 to 07 October 2025	Nil	11 September 2025 to 02 October 2025 17 September 2025 to 08 October 2025

THE ASSESSMENT

The Territory Planning Authority (the Authority) utilises a 6-stage process when assessing and determining all DAs. This allows different officers to work on different aspects of the same application to ensure probity and integrity is upheld during the assessment process.

More information about the 6-stage assessment process and what's involved is available online at <https://www.planning.act.gov.au/applications-and-assessments/development-applications/after-you-apply>.

For this DA:

- Stage 5 (Quality and Outcomes Assurance) consisted of all of the following:
 - Review and advice by a senior officer
- A total of 3 assessment officers were involved in the assessment and decision-making process, which included 1 during the stage 5 review.

NOTICE OF DECISION

DA 202544374

PART 2 STATUTORY CONSIDERATIONS

PUBLIC NOTIFICATION AND REPRESENTATIONS – S186(H)

Pursuant to Division 7.5.4 of the Act, the application was publicly notified for the periods outlined in **Table 1** and no representations were received.

ENTITY ADVICE – S186(I) AND S189(1)

Pursuant to Division 7.5.3 of the Act, the application was referred to entities for the periods outlined in **Table 1**.

The following entities were referred the original DA for advice.

1. CITY AND ENVIRONMENT DIRECTORATE (CED) (formerly TCCS)

CED were referred the original DA for advice.

CED provided advice stating that they support the proposal subject to conditions.

Please refer to **APPENDIX A** for conditions consistent with the CED advice.

2. ENVIRONMENTAL PROTECTION AUTHORITY (EPA)

The EPA were referred the original DA for advice.

The EPA provided advice stating that they support the proposal subject to conditions.

Please refer to **APPENDIX A** for conditions consistent with the EPA advice.

3. ACT EMERGENCY SERVICES AUTHORITY (ACTESA)

The ACTESA were referred the original DA for advice.

The ACTESA provided advice stating that ACTF&R and ACTSES have reviewed the DA and have no comments or objections. Any previous commentary remains valid and expected of this DA.

4. CONSERVATOR OF FLORA AND FAUNA (TREE PROTECTION UNIT) (the Conservator)

The Conservator were referred the original DA for advice.

The Conservator provided advice stating that they support the proposal subject to conditions.

Please refer to **APPENDIX A** for conditions consistent with the Conservator's advice.

5. ICON WATER

Icon Water provided advice stating that the proposal is supported subject to conditions.

A condition requiring the development to satisfy relevant entity requirements has been imposed in **APPENDIX A**.

A copy of the Icon Water advice is attached to this Notice of Decision.

6. EVOENERGY (ELECTRICITY)

EvoEnergy Electricity provided advice stating that the proposal is supported subject to conditions.

A condition requiring the development to satisfy relevant entity requirements has been imposed in **APPENDIX A**.

NOTICE OF DECISION

DA 202544374

A copy of the EvoEnergy Electricity advice is attached to this Notice of Decision.

7. EVOENERGY (GAS)

EvoEnergy Gas provided advice stating that the proposal is supported subject to conditions.

Refer to **APPENDIX A** for advice consistent with Evoenergy Gas advice.

THE TERRITORY PLAN AND – S186(A)-(B)

In making this decision, the decision-maker considered the applicable policies in the Territory Plan. These include:

- Belconnen District Policy
- Community Facility Zone Policy

In accordance with section 189 of the Act, the DA was **approved subject to conditions** as it was found that the proposal was **consistent with** the Territory Plan, including the above Policies.

While the decision-maker considered all relevant sections in the applicable policies and guides, below provides details on some key assessment themes.

BULK AND SCALE

Consistent with Assessment Outcome 11 from the Community Facility Zone Policy, it was demonstrated that the height, bulk and scale of the development was appropriate in the area and Community Facilities zone.

OTHER STATUTORY CONSIDERATIONS

SUITABILITY OF THE DEVELOPMENT IN THE CONTEXT OF THE SITE AND SURROUNDS – S186(E)

Considering the nature of the area and the permissible uses for that area, the proposed alterations/additions to the existing facility was considered to be suitable.

THE PROBABLE IMPACT OF THE PROPOSED DEVELOPMENT – S186(F)

The probable impact of the proposed development, including the nature, extent and significance of probable environmental impacts, were considered as part of the assessment. It is noted that any development will have a level of impact, however the proposed development was deemed to have reasonable impact based on the assessment of the Territory Plan.

THE INTERACTION OF THE PROPOSED DEVELOPMENT WITH ADJOINING OR ADJACENT DEVELOPMENT PROPOSALS – S186(G)

There are no development proposals adjoining or adjacent to the proposed development.

APPROPRIATE TRANSITION BETWEEN ZONES (WHERE THE SITE ADJOINS ANOTHER ZONE) – S186(D)

Not applicable as there are no zone transitions relevant to the subject block.

NOTICE OF DECISION

DA 202544374

APPENDIX A CONDITIONS OF APPROVAL AND ADVISORY NOTES

This development application is approved subject to the following conditions being satisfied. Some conditions of the approval require attention before work commences or before approved drawings will be released.

ADMINISTRATIVE AND GENERAL CONDITIONS

1. END OF DEVELOPMENT APPROVAL

- a) Pursuant to section 211 of the *Planning Act 2023*, this development approval ends **five years** from the date when this approval take effect.
- b) The development must be finished (completed) within this period, or within such further time as approved in writing by the territory planning authority.

Note: The territory planning authority may extend the development approval timeframe more than once for a cumulative period of up to two years.

An extension to the development approval timeframes can only be granted if:

- i) an application is made within 6 months after the end of the 5-year period;*
- ii) the development has started and is substantially progressed; and*
- iii) the works would be approved if were subject to a DA submitted on the same day as the application for the extension.*

The territory planning authority may also extend this approval timeframe if an appeal is made to a court in relation to the approval and if satisfied that more time is needed to start or complete the development accounting for the appeal timeframes.

ENTITY REQUIREMENTS

2. ICON WATER

The lessee/applicant must address and comply with any additional requirements imposed by Icon Water at **APPENDIX B**.

3. EVOENERGY (GAS)

- a) All works must comply with the ACT Government regulations and Development/Building Approvals, as detailed here: <https://www.legislation.act.gov.au/View/a/2010-41/current/html/2010-41.html>.
- b) It is noted that there is a gas network in the vicinity; therefore, all care must be taken around our underground assets. Please ensure the appropriate Before You Dig Australia (BYDA) processes are followed during the construction process.
- c) If a meter relocation or service pipe relocation is required, you must comply with Evoenergy standards. Please contact your gas retailer to lodge your inquiry. Only personnel accredited by Evoenergy are authorised to carry out this work.

4. EVOENERGY (ELECTRICITY)

The lessee/applicant must address and comply with any additional requirements imposed by EvoEnergy at **APPENDIX B**.

NOTICE OF DECISION

DA 202544374

5. ENVIRONMENT PROTECTION AUTHORITY (EPA)

The development shall comply with the following conditions to the satisfaction of the EPA:

- a) All works must be carried out in accordance with “[Environment Protection Guidelines for Construction and Land Development in the ACT, August 2022](#)” available at [Environment Protection Policies & Guidelines](#) or by calling 132281.
- b) All sediment and erosion control measures must be in place **prior to works commencing** and must be maintained until development completion.
- c) Adjacent roads must be swept clean at all times.

6. CITY AND ENVIRONMENT DIRECTORATE (CED)- formerly TCCS

The development shall comply with the following conditions to the satisfaction of CED:

No offsite works

- a) All proposed works are internal and there are no new offsite works.

7. CONSERVATOR OF FLORA AND FAUNA – TREE PROTECTION AUTHORITY (The Conservator)

The development must comply with the following conditions to the satisfaction of the Conservator:

- a) All works must proceed in accordance with the following plan/s and condition/s:
 - Site Plan and Details, Revision E, Date 18/08/25.

STANDARD CONDITIONS

8. WASTE MANAGEMENT – DURING CONSTRUCTION PHASE

All building waste is to be stored on the site in suitable receptacles/containers and collected regularly. The lessee is to take all reasonable steps to ensure that waste, particularly wind-borne litter, does not affect adjoining or adjacent properties.

ADVISORY NOTES

This application is approved with the following advisory notes. It is recommended that careful consideration be given to advisory notes prior to commencing work.

1. CONNECTION TO THE GAS NETWORK

In accordance with the *Climate Change and Greenhouse Gas Reduction Regulation 2010* (the CCGGR Regulation), this development is likely unable to connect to the gas network, unless an exemption from the CCGGR Regulation is granted. An exemption must be granted prior to seeking Building Approval.

For more information about the Regulation and exemptions from the CCGGR Regulation, please visit the Everyday Climate Choices website: <https://www.climatechoices.act.gov.au/policy-programs/preventing-new-gas-network-connections>.

2. SIGNAGE

- a) This development application does not include an assessment of any proposed signage.

Any proposed signage at the site must be the subject of a separate DA for approval by territory planning authority, unless exempt in accordance with the *Planning (Exempt Development) Regulation 2023*.

- b) All signage installed at the site, including advertising signage and hoarding, should comply with the Australian Association of National Advertisers (AANA) Code of Ethics and the ACT Government’s *Hoarding Signage Advertising Guidelines* available online at

NOTICE OF DECISION

DA 202544374

<https://www.planning.act.gov.au/professionals/resources/resource-articles/hoarding-signage-guidelines>.

3. BUILDING APPROVAL

Most building work requires building approval under the *Building Act 2004* to ensure it complies with building laws such as the *Building Code of Australia*. The lessee should engage a private building certifier to determine whether building approval is required and assess and approve the building plans before construction commences. A list of certifiers can be obtained from <https://www.planning.act.gov.au/community/build-or-renovate/before-you-start/find-a-professional>.

4. TREE DAMAGING ACTIVITY APPROVAL

A Tree Management Plan under the *Urban Forest Act 2023* is required for approval where it is proposed to undertake groundwork within the tree protection zone of a protected tree or likely to cause damage to, or remove, any trees defined as protected trees by that Act. More information is available from the Transport Canberra and City Services Directorate at <https://www.tccs.act.gov.au/city-living/trees>.

5. USE OF VERGES OR OTHER UNLEASED TERRITORY LAND

In accordance with the *Public Unleased Land Act 2013*, road verges and other unleased Territory land must not be used for the carrying out of works, including the storage of materials or waste, without prior approval of the Territory. More information is available from the Transport Canberra and City Services Directorate at <https://www.cityservices.act.gov.au/public-land/use>.

6. WORKS ON UNLEASED TERRITORY LAND

In accordance with the *Public Unleased Land Act 2013*, no work can be undertaken on unleased Territory land without the approval of the Territory. Such approval must be obtained from the Senior Manager, Place Coordination and Planning, Transport Canberra and City Services Directorate by way of:

- (a) a certificate of design acceptance prior to the commencement of any work; and
- (b) a certificate of operational acceptance on completion of all works to be handed over to TCCS.

Works on unleased Territory land may include the construction or upgrading of driveway verge crossings, public footpaths, roads, street lighting, stormwater works, waste collection amenities, street signs and line marking, road furniture and landscaping.

7. ENVIRONMENT PROTECTION AUTHORITY (EPA)

- construction noise

Building work, by its nature, is noisy. Within the identified area, when building work will take longer than two weeks, any noisy activities including material deliveries and work site preparation are only permitted between the following hours:

- i) 7:00am to 6:00pm, Monday to Saturday (excluding public holidays)
- ii) At all other times, noise emissions must not exceed the zone noise standard. 45 dB daytime and 35 dB nighttime (Residential)

- lights

All external lights must comply with Australian Standards AS4282:2023 Control of the obtrusive effects of outdoor lighting.

- dust

Where building work generates dust, all reasonable and practicable measures must be taken to minimise that dust. This can often be achieved by damping the ground with a light water spray.

NOTICE OF DECISION

DA 202544374

APPENDIX B ENTITY ADVICE

All entity attachments to this decision must be complied with, any changes may result in non-compliance with entity requirements. Entity advice attached to this decision as follows.

ICON WATER ENDORSEMENT NOTICE

EVOENERGY (ELECTRICITY) ENDORSEMENT NOTICE

NOTICE OF DECISION

DA 202544374

APPENDIX C ADMINISTRATIVE INFORMATION

DATE THIS APPROVAL TAKES EFFECT

Unless a condition of approval provides for otherwise, this approval takes effect the day after the date of this decision. The effective date for development applications approved subject to conditions may also be adjusted if the approval is reconsidered by the territory planning authority or if an application is made to the ACT Civil and Administrative Tribunal.

DEVELOPMENT APPROVAL EXPIRY

Pursuant to section 211 of the *Planning Act 2023* (the Act), approval related to the design and siting elements of the development will expire **5 years** after the approval takes effect. Under section 211 of the Act, the applicant may apply to the territory planning authority to extend the approval timeframe within 6 months after the end of the 5-year period.

Extensions to the approval timeframe can only be granted where the territory planning authority are satisfied that the development which the approval related has started and is substantially progressed, and if the works would be approved should they be subject to a DA submitted on the same day as the extension application.

A development approval may also be revoked by the territory planning authority under section 204 of the Act where satisfied the approval was obtained by fraud or misrepresentation, or, if the approval relates to a place registered or nominated for provisional registration under the *Heritage Act 2004*, if the applicant for the approval is convicted of an offence against chapter 13 of the *Heritage Act 2004*.

INSPECTION OF THE APPLICATION AND DECISION

A copy of the application and the decision can be inspected on the territory planning authority website and between 9.00am and 4:00pm weekdays at the Land, Planning and Building Shopfront at 8 Darling Street in Mitchell, ACT, 2911.

RECONSIDERATION OF THE DECISION

If the applicant is not satisfied with a conditional approval or refusal decision made by the territory planning authority, they are entitled to apply to the territory planning authority for reconsideration within 20 working days of being told of this decision (or any longer period allowed by the territory planning authority) in accordance with section 199 of the Act.

A reconsideration application is able to be made electronically through the Access Canberra [SmartForms](#).

REVIEW BY THE ACT CIVIL AND ADMINISTRATIVE TRIBUNAL (ACAT)

1. Decisions that are reviewable (sometimes referred to as appealable) by the ACAT are identified in Schedule 5 of the Act, except for matters that are exempted under Schedule 6 of the Act.
2. The time limit to make a request for a third-party review is 20 working days from the date the notice of decision is given to the recipient, pursuant to section 507 of the *Planning Act 2023*. This time limit cannot be extended under the *ACT Civil & Administrative Tribunal Act 2008*.
3. The notice of decision and this advice have been sent to all people who made a representation in relation to the application.
4. The ACAT is an independent body. It can review a large number of decisions made by ACT Government ministers, officials and statutory authorities on their merits. The ACAT can agree with, change or reject the original decision, substitute its own decision or send the matter back to the decision maker for reconsideration in accordance with ACAT recommendations.

NOTICE OF DECISION

DA 202544374

5. More information on appeal rights is available online at <https://www.planning.act.gov.au/applications-and-assessments/development-applications/amend-or-appeal-an-application> and in the *Development Applications: Appeals to a court or tribunal factsheet*, available from <https://www.planning.act.gov.au/professionals/resources>.
6. The ability to review the Authority's decision is a matter of law. If you think you have a right of review, you may apply to the ACAT for a review of the decision. Application forms can be obtained from the [ACAT website](#). You can also download the form from the [ACT Legislation Register](#). It is recommended you seek independent advice in regard to such reviews (e.g. from a legal practitioner).
7. If you are applying on behalf of an organisation or association, whether incorporated or not, the Tribunal in deciding whether to support this application will consider the effect of the decision being reviewed on the interests of the organisation or association in terms of its objects or purposes. A copy of the relevant documents will be required to be lodged with the Tribunal.
8. Applications to the ACAT, including an application to be joined as a party to a proceeding, require payment of a fee (the Tribunal Registry will advise of the current fee), unless you are receiving legal or financial assistance from the ACT Attorney-General. You can apply to have the fee waived on the grounds of hardship, subject to approval (refer to section 22T of the *ACT Civil and Administrative Tribunal Act 2008*). Decisions to grant assistance are made on the grounds of hardship and that it is reasonable, in all the circumstances, for the assistance to be granted. Applications should be made in writing to: the Director General, Justice and Community Safety Directorate, GPO Box 158, CANBERRA ACT 2601. You can ask the ACAT for more details.
9. The ACAT is required to decide appeals in land and planning and tree protection cases within 120 days after the lodging of the appeal, unless that period is extended by the ACAT upon it being satisfied that it is in the interests of justice to do so.
10. The following organisations may be able to provide you with advice and assistance if you are eligible:
 - ACT Law Society, telephone 6274 0300
 - ACT Legal Aid Office, telephone 1300 654 314
 - ACT Council of the Ageing, telephone 02 6154 9740
 - Welfare Rights Centre, telephone 1800 226 028
 - Environmental Defender's Office (ACT), telephone 02 6243 3460.
11. You will have to pay any costs involved in preparing or presenting your case. The ACAT also has the power to award costs against a party in the circumstances specified in s 48 of the *ACT Civil and Administrative Tribunal Act 2008*. This power is in addition to the power of the ACAT to strike out a party and to dismiss an application for failure to comply with the ACAT's directions.
12. You may apply for access to any documents you consider relevant to this decision under the *ACT Freedom of Information Act 2016*. Information about Freedom of information requests is available on the territory planning authority's web site at <https://www.environment.act.gov.au/about-us/access-government-information>.
13. The procedures of the ACAT are outlined on the ACAT's website, including in the Guide to the Land and Planning Division and the Guide to the Hearing. Contact the ACAT for alternative ways to access information about the ACAT's procedures.

NOTICE OF DECISION

DA 202544374

REVIEW BY THE ACT SUPREME COURT

1. The Authority's decision may also be subject to judicial review by the ACT Supreme Court under the *Administrative Decisions (Judicial Review) Act 1989* (ADJR Act).
2. Under the ADJR Act, an *eligible person* may make an application for review of a decision.
3. An *eligible person* must demonstrate that their interests are adversely affected by the decision and that the application raises a significant issue of public importance.
4. Section 5 of the ADJR Act sets out the grounds on which a decision can be reviewed.
5. The time limit to make an application for review is 28 days from the date the Notice of Decision is provided to the applicant and those people who made a representation.
6. The ACT Supreme Court is a costs jurisdiction where costs generally follow the event. This means that the unsuccessful party is required to pay the costs of the successful party.
7. For more information on ACT Supreme Court processes and fees, please visit <https://courts.act.gov.au/home>.

CONTACT DETAILS FOR RELEVANT AGENCIES

ACT Civil and Administrative Tribunal Level 4, 1 Moore Street CANBERRA CITY ACT 2601 GPO Box 370, CANBERRA, ACT 2601	www.acat.act.gov.au tribunal@act.gov.au 02 6207 1740 02 6205 4855 (Fax)
ACT Supreme Court 4-6 Knowles Place, CANBERRA CITY ACT 2601 GPO Box 1548, CANBERRA CITY, ACT 2601	www.courts.act.gov.au 02 6205 0000
City and Environment Directorate 480 Northbourne Avenue DICKSON ACT 2602 GPO Box 158, CANBERRA 2601 <ul style="list-style-type: none">• <i>Territory planning authority</i><ul style="list-style-type: none">- list of certifiers for building approval- demolition information- asbestos information• <i>Office of the Surveyor-General and Land information</i><ul style="list-style-type: none">- <i>Requests for new or amended address</i>• <i>Environment Protection Authority</i><ul style="list-style-type: none">- environment protection- water resources- Conservation, Planning and Research- threatened species/wildlife management• <i>WorkSafe ACT</i><ul style="list-style-type: none">- asbestos information• <i>ACT Heritage Council</i><ul style="list-style-type: none">- Aboriginal, historic and natural heritage management• <i>Tree Protection Unit</i><ul style="list-style-type: none">- <i>Development Applications (DA) issue:</i>	www.planning.act.gov.au 02 6207 1923 DigitalData@act.gov.au EPAPlanningLiaison@act.gov.au 6207 5642 worksafe@worksafe.act.gov.au 132 281 www.environment.act.gov.au 132 281 TCCS.TreeProtectionACTPLARef@act.gov.au TCCS.TreeProtection@Act.gov.au

NOTICE OF DECISION

DA 202544374

<p>- <i>Tree Damaging Activity Applications (TDAA) issue:</i></p>	
<p>City and Environment Directorate – formerly Transport Canberra and City Services</p> <ul style="list-style-type: none"> • landscape management and protection plan approval • use of verges or other unleased Territory land • works on unleased Territory land - design acceptance • driveway inspections or building applications • damage to public assets 	<p>www.tccs.act.gov.au</p> <p>132 281</p> <p>02 6207 0019 (development coordination)</p> <p>tccs.dcdevelopmentcoordination@act.gov.au</p>
<p>Health Directorate</p>	<p>www.health.act.gov.au</p> <p>hps@act.gov.au</p> <p>02 5124 9700</p>
<p>Education Directorate</p>	<p>www.education.act.gov.au</p> <p>02 6205 5429</p>
<p>Utilities</p> <ul style="list-style-type: none"> • Telstra (networks) • TransACT (networks) • Icon Water • Electricity reticulation 	<p>02 8576 9799</p> <p>02 6229 8000</p> <p>02 6248 3111</p> <p>02 6293 5749</p>

TRANSLATION AND INTERPRETATION SERVICES

The ACT Government's translation and interpreter service runs 24 hours a day, every day of the week by calling 131 450.

ENGLISH	If you need interpreting help, telephone:
ARABIC	إذا احتجت لمساعدة في الترجمة الشفوية ، إتصل برقم الهاتف :
CHINESE	如果你需要传译员的帮助，请打电话：
CROATIAN	Ako trebate pomoć tumača telefonirajte:
GREEK	Αν χρειάζεστε διερμηνέα τηλεφωνήστε στο
ITALIAN	Se avete bisogno di un interprete, telefonate al numero:
MALTESE	Jekk għandek bżonn l-għajnuna t'interpretu, ċempel:
PERSIAN	اگر به ترجمه شفاهی احتیاج دارید به این شماره تلفن کنید:
PORTUGUESE	Se você precisar da ajuda de um intérprete, telefone:
SERBIAN	Ако вам је потребна помоћ преводиоца телефонирајте:
SPANISH	Si necesita la asistencia de un intérprete, llame al:
TURKISH	Tercümana ihtiyacımız varsa lütfen telefon ediniz:
VIETNAMESE	Nếu bạn cần một người thông-ngôn hãy gọi điện-thoại:
<p>TRANSLATING AND INTERPRETING SERVICE</p> <p>131 450</p> <p>Canberra and District - 24 hours a day, seven days a week</p>	



STATEMENT OF CONDITIONAL ACCEPTANCE

Application No: 03430/2025

Suburb: BRUCE

Block/Section 4 / 9

Application Details:

Non-Residential

Addition

Inclusions

Nil

Additional Block and Sections

Nil

This statement is in relation to DA 202544374 with additional details and amendments (if provided) submitted to Icon Water directly.

The following plans and documentation have been included in our assessment of your application.

LIGHTING-202544374-03.pdf

LIGHTING-202544374-04.pdf

LIGHTING-202544374-ELEVATION-01.pdf

LIGHTING-202544374-02.pdf

PLAN-202544374-SWITCHBOARD DETAIL-01.pdf

APP-202544374-04.pdf

SITE-202544374-01.pdf

LIGHTING-202544374-01.pdf

Conditions of Acceptance.

- An Icon Water sewer manhole or water main is located on this block.
Access to Icon Water assets (including any manholes and mains) must be provided and maintained in accordance with Icon Water emergency access requirements.

No structures are to be built over Icon Water emergency access passageways without approval from Icon Water in writing.

- A water or sewer network asset is located on this block.

Access to Icon Water assets must be provided and maintained in accordance with Icon Water maintenance access requirements.

No structures are to be built over Icon Water maintenance access passages without approval from Icon Water in writing.

- Icon Water assets shall be protected for the duration of the construction works from short term load shedding from construction machinery or vibration and groundwater ingress or infiltration.

Any damage to Icon Water assets resulting from the construction works will be repaired by Icon Water at the developers expense.

Icon Water must be provided 24/7 access to its assets including sewer structures, manholes, hydrants and valves for the duration of the construction works.

- All new cabling detailed must maintain minimum horizontal clearance of 1.75m from existing 375mm water mains along Battye Street. Any new vertical crossing must be in accordance to minimum clearances as per Icon Water standards.

See Additional Comments below.

Please Note:

- Separate applications are required for ActewAGL electricity and gas networks.
- Any failure to accurately show existing or proposed structures may result in damage and costs for which the property owner will be liable. Damage to network assets must be reported to Icon Water.
- Utility conditions may also apply to minor structures and landscaping works that may not have been depicted in this document. Consultation with Icon Water is advised if such structures and landscaping are planned.
- Icon Water recommends setbacks provided for equipment access to water or sewerage network assets are kept free of obstruction by the property owner.
- Construction of works without the approval of Icon Water may result in connection to Icon Water's water and sewerage networks being denied and /or action being taken to require the property owner to remove non-compliant services (e.g. sanitary drains) or structures.

The following plans and documentation have **NOT** been included in our assessment of your application.

AUTHORISATION-202544374-02.pdf
DEVOUTCOMEREP-202544374-01.pdf
AREA-202544374-01.pdf

WARNING

Failure to comply with these conditions is likely to result in interference with an Icon Water sewer or water asset. Part 14 of the Utilities (Technical Regulation) Act 2000 applies, which indicates a person who interferes with a utility asset may be subject to prosecution. The current maximum penalty is 200 penalty units, imprisonment for two years, or both. In addition, the landholder can be ordered at their expense to stop the interference, which may involve removal of the building work or that part of the building work that is causing, or is likely to cause, interference.

Comments:

Nil

Signed

Sch 2.2(a)(ii)

Date

23/09/2025

For further information please phone Icon Water

Sch 2.2(a)(xi)



Electricity Networks

STATEMENT OF

CONDITIONAL COMPLIANCE

Application No: 225678 **Suburb:** Bruce

Block/Section 4 / 9

Appcn Type: Non residential/Addition Inclusions : Alteration/Addition

Attached Plans

LIGHTING-202544374-01.pdf

LIGHTING-202544374-02.pdf

LIGHTING-202544374-03.pdf

LIGHTING-202544374-04.pdf

LIGHTING-202544374-ELEVATION-01.pdf

PLAN-202544374-SWITCHBOARD DETAIL-01.pdf

SITE-202544374-01.pdf

This application is approved subject to compliance with the following conditions:

Conditions

A Minimum of 1.0M clearance is required within the block boundary for the proposed or existing Meter Box.

Development is to comply with minimum 1.5m machinery access clear of obstacles and vegetation to assets within the block.

Development is to comply with minimum separation requirements to underground assets. Ref Evoenergy Drawing 3832-018

Proponent is required to submit an "Application for Electricity Network Connection or Alteration form via: <https://www.evoenergy.com.au/Forms/ElecConnectionOrAlteration> prior to commencement of any development activity to negotiate the connection of new and/or relocation of existing electricity assets.

Proposed and existing development is to comply with minimum 1.5m machinery access clear of obstacles and vegetation to assets within or adjacent to the block. The development must maintain existing access arrangements to Evoenergy assets that located within or adjacent to the block at all time.

- No development activity shall be undertaken
 - a) within an electricity easement or,
 - b) that restricts access to Evoenergy asset/s

The location of the proposed or existing Point of Entry/ Meter Box is to comply with Evoenergy's Service and Installation rules.

Please Note

- WARNING Evoenergy underground assets may be in or adjacent to this block. It is your responsibility to ascertain the location of such assets.
- Development and Building Applications will need to include any proposed Evoenergy works
- If Evoenergy approval conditions are not met, a breach of the law may result.
- Separate applications are required for water & sewerage, and communication network services.
- Construction of unapproved works may result in action being taken to require the property owner to remove non-compliant structures and/or the property owner to fund rectification works on Evoenergy's electricity network.
- Any attached reticulation or servicing plan is preliminary only. Contact Evoenergy for final plans prior to the commencement of any construction activity.
- A failure of this application to show accurately located electricity assets may result in damage and costs for which the proponent will be liable. Damage to network assets must be reported to Evoenergy.

Comments:

Signed Sch 2.2(a)(ii)

Date 23 Sep 2025

For further information please phone Evoenergy Electricity Network Services on 1300 669 669 or
Evoenergy Gas Networks on 1300 669 669



15 October 2025

Sch 2.2(a)(ii)

Re: Lighting Upgrade – 2 Eade Street BRUCE ACT

NSW Rugby League (NSWRL) offers its full and unequivocal support for the lighting upgrade at the NSWRL Headquarters (HQ) Facility at 2 Eade St, Bruce ACT, the home of the Belconnen United Sharks RLFC. The proposed project involves the installation of new poles and the inclusion of LED lights.

The NSWRL in conjunction with the Canberra Institute of Technology (CIT) and with the support of the ACT Government took on the head lease of the facility when the Canberra Raiders vacated the premises in March 2020. Since taking on the head lease, we have transitioned the facility from being solely an elite venue for an NRL team to a community-based Rugby League facility.

NSWRL HQ is currently used by the Belconnen United Sharks RLFC, a community-based club, as a home base, where previously the club was spread across multiple grounds to train and play. The Sharks are a community-based club with both male and female players participating. Female participation at the club has grown by remarkable 163% since 2021 a trend that is being witnessed throughout NSW.

The existing halogen lights at the ground, which are now at end of life, need upgrading to enhance the rugby league experience of the many groups that now utilise this facility for playing, development and participation.

LED lighting is a smart investment for rugby league facilities, enhancing visibility safety, and energy efficiency. It offers significant benefits over traditional systems, making it an ideal choice for improving lighting quality and sustainability.

Improved lighting would also allow the Belconnen Sharks junior teams to have access to the ground for evening competition and training purposes thereby servicing the largest junior club in Canberra.

The facility is also home to the Canberra District Rugby League Referees Association who utilise both the building and oval for their evening training sessions between February and September.

The Disability Trust are an anchor tenant in the administration building at the oval and in partnership with the Canberra Region Rugby League (CRRL) were able to create The Score Raiders, a rugby league team for adults with an intellectual disability. This team trains on the ground and upgraded lighting will increase their ability to train and play on the oval. This program will be extended shortly with a Junior Score Raiders also being established.

NSW Rugby League Limited

NSW Rugby League, 12-14 Dawn Fraser Ave
Sydney Olympic Park NSW 2127
PO Box 584 Sydney Markets NSW 2129

Media enquiries: media@nswrl.com.au
Email: info@nswrl.com.au

T +61 2 8756 7000
F +61 2 8756 7097

nswrl.com.au
ABN 11 002 704 761

Improved lighting will also allow teams from the region (Monaro and Riverina) to train and play at the ground and thereby increases local short-term accommodation and economic input into Canberra.

The NSWRL has invested significantly into the facility and is proud to have an oval that is well maintained to an elite standard for players across all ages and abilities. Investment of a grant to improve the lighting will have many positive effects on the rugby league community, players and participants.

The NSWRL is willing to invest directly into the lighting project, \$30,000. The Belconnen United Sharks and the CRRL will provide further cash and in-kind support toward the project.

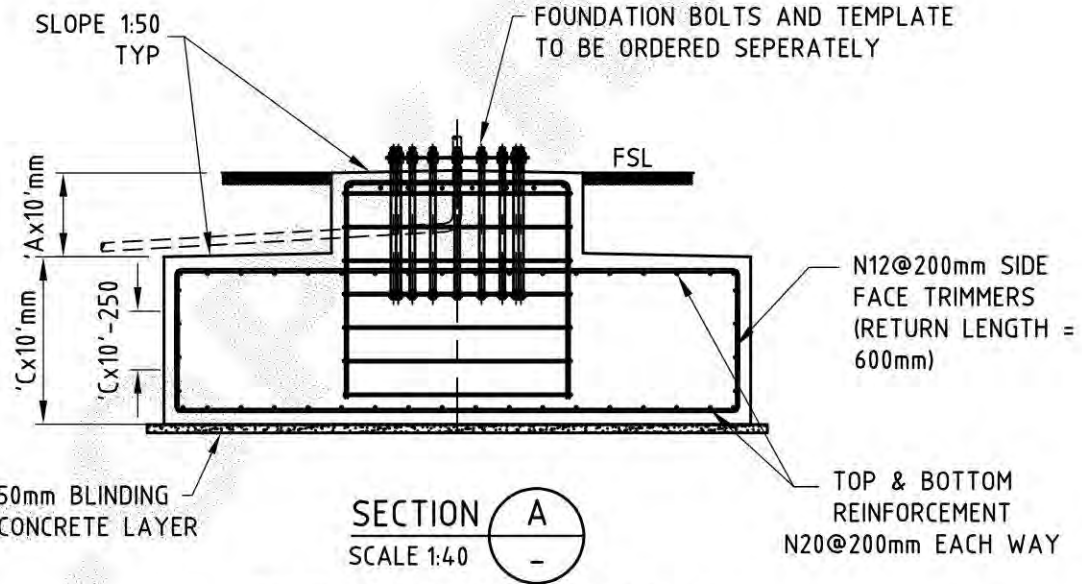
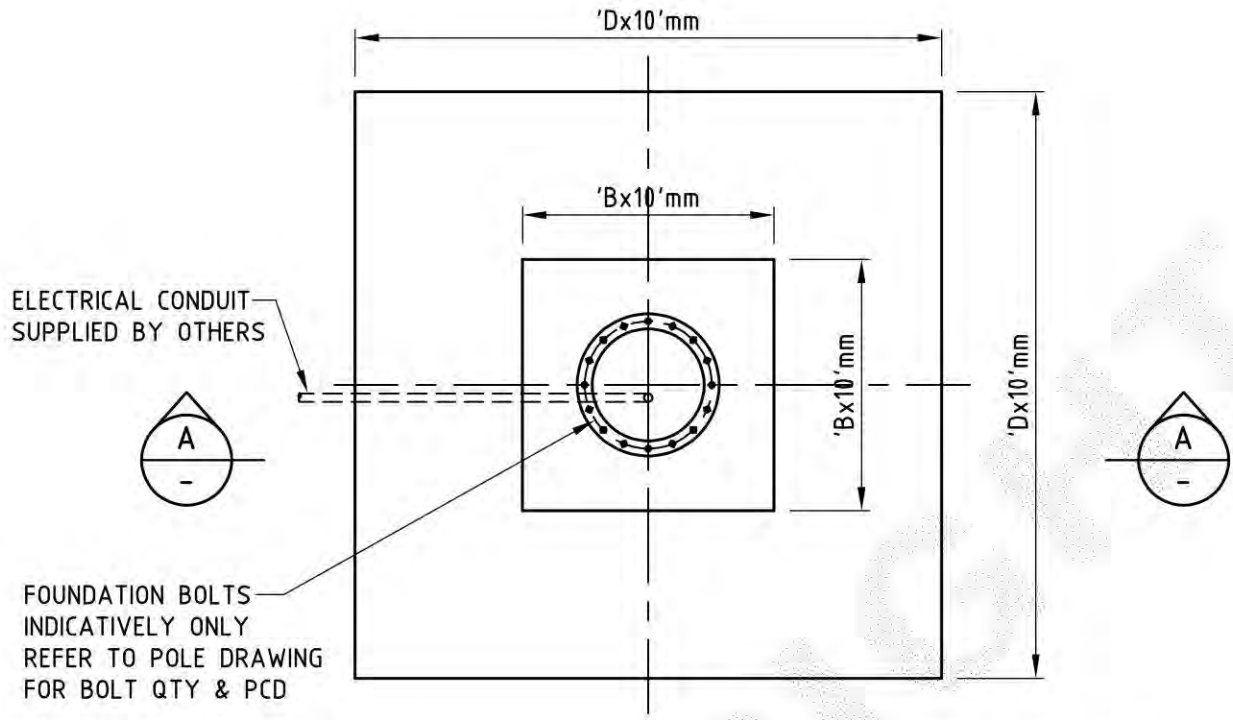
NSWRL strongly supports the proposed lighting upgrade at NSWRL HQ in Bruce. The LED lighting upgrade will allow players of all abilities, coaches, referees, and volunteers to enjoy their rugby league experience whilst at the venue. We know this project will make a significant and long-lasting contribution to rugby league and the local community.

Yours Sincerely,

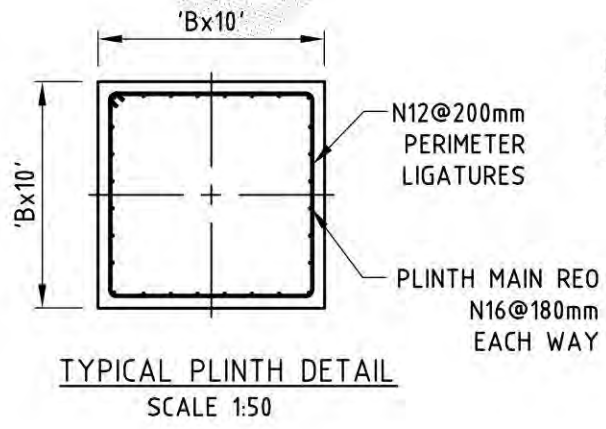
Sch 2.2(a)(ii)



Daniel Ristic
Government Relations and Infrastructure Manager
NSW Rugby League



SECTION A
SCALE 1:40
SLAB FOUNDATION WITH PLINTH



- NOTES:**
1. THE REINFORCEMENTS ARE NOT GALVANISED
 2. REFER TO GA1158 FOR THE SPECIFIC FOOTING NOTES
 3. THE PRODUCT NUMBER RELATES TO THE SIZE OF THE PLINTH & SLAB
 $Ax10$ = PLINTH HEIGHT
 $Bx10$ = PLINTH WIDTH
 $Cx10$ = SLAB DEPTH
 $Dx10$ = SLAB WIDTH
 FOR EXAMPLE: XPLIN30x150-60x500 INDICATES THE FOOTING HAS 300mm PLINTH HEIGHT x 1500mm PLINTH WIDTH, AND 600mm SLAB DEPTH x 5000mm SLAB WIDTH.

CUSTOMER APPROVAL		COPYRIGHT THIS DOCUMENT PRODUCED BY INGAL EPS MUST NOT BE COPIED, TRACED, REPRODUCED, OR LENT WITHOUT WRITTEN CONSENT		INGAL EPS		PRODUCT NUMBER XPLIN'Ax'B'-'C'x'D'	
DATE		DIMENSIONS IN MILLIMETRES		PROJECT SERVICES SLAB FOUNDATION WITH PLINTH ____mm SLAB DEPTH x ____mm WIDTH ____mm PLINTH HEIGHT x ____mm WIDTH		DRAWING NUMBER GA17440	
0 02/06/23 ISSUED FOR CONSTRUCTION		JL33		A4 DO NOT SCALE		SHEET NUMBER	
REV DATE DESCRIPTION		BY CHKD		CHECKED BY DATE		SCALE	
CUSTOMER NAME / PROJECT		02/06/23		DATE 02/06/23		N.T.S.	
				DRAWN BY JL33		CAD FILE No GA17440	



SLE Worldwide Australia Pty Limited
A.B.N. 15 066 698 575 AFSL237268

Level 15, 45 Clarence Street
SYDNEY NSW 2000

Telephone 61 (2) 9249 4850

Facsimile 61 (2) 9249 4840

Website: www.sleaustralia.com.au

Certificate of Currency

Type of Cover: Broadform Liability

The Insured: New South Wales Rugby League Limited ABN 11 002 704 761 and its Affiliates, District, Regions, Groups and Clubs. • New South Wales Student Rugby League • New South Wales Police Rugby League • New South Wales Wheelchair Rugby League • New South Wales Women's Rugby League • New South Wales Deaf Rugby League • New South Wales Disability Rugby League • Norfolk Island Rugby League • Sydney Business Houses Rugby League • Newcastle Rugby League • New South Wales Push and Power Rugby League • New South Wales Rugby League Referees Association • New South Wales Combined High Schools Rugby League • New South Wales Combined Independent Schools Rugby League • New South Wales Combined Catholic Colleges Rugby League • New South Wales Primary School Sports Association Rugby League • New South Wales Catholic Primary Schools Sports Council Rugby League • New South Wales Tertiary Rugby League • New South Wales Physical Disability Rugby League Association • New South Wales Rugby League Academy • New South Wales Western Sydney Academy • New South Wales Referee Coaching and Development Unit • New South Wales Women's Competitions including exhibitions and games • Country Rugby League of New South Wales Limited ACN 623 468 959 (now in liquidation) • New South Wales Junior Rugby Leagues' Association Incorporated ABN 53 272 744 791 and its Affiliates, Districts and Clubs: • Balmain Junior Rugby League Football Club Incorporated • Canberra District Minor Rugby League Limited • Canterbury-Bankstown District Junior Rugby League Incorporated • Cronulla Sutherland District Junior Rugby Football League Incorporated • Manly-Warringah District Junior Rugby Football League Incorporated • North Sydney District Junior Rugby League Football Incorporated • Parramatta District Junior Rugby League Club Incorporated • Penrith and Districts Junior Rugby League Club Limited • St George Junior Rugby Football League Incorporated • Sydney Roosters District Junior Rugby League Incorporated • Wests Tigers Macarthur District junior Rugby League Limited • Queensland Rugby Football League Limited, its Regions, affiliated local leagues and clubs • Any Principal in respect of the liability of such principal arising out of the performance by the Insured designated above, which is above any contract or agreement for the performance of work for such principal to the extent required by such agreement. • Any incorporated or unincorporated association or organisation including their office bearers and members organised by the Insured or their employees with the consent of the Insured for the purpose of providing canteen, social, sports, welfare and or child care organisations or first aid, medical, fire or ambulance service

Period Of Insurance: 31 December 2024 To 4:00pm on 31 December 2025

The Business: Sports administration and the development, promotion, organisation and conducting of rugby league games, sporting events and coaching courses and/or clinics and any other

activity incidental thereto including: - The playing of rugby league within New South Wales and Australia, and by club, district, community, regional, State, Australian and International representative teams; - Coaches, trainers, conditioners and medical persons, coaching and development clinics including accredited coaching camps employed by the Insured; - Game day activities, including ground and venue risks but only as a result of the negligence of the Named Insured

- Property owner/occupier of licensed rugby league club ("licensed" activities only included when a sanctioned activity is being conducted). Professional Services Coaching, training and refereeing of rugby league matches; Administration, management and organisation of rugby league teams Team selection and management; Regulations and laws of the game including through judicial and disciplinary committees; Medical physiotherapy and similar services to players and officials; liaising with, and at times sponsoring and funding local, district, region and state and rugby league clubs/teams at both a senior and junior level and any other occupation incidental thereto.

Competitions

Intrust Super Cup - Hasting Deering Colts - BHP Womens Premiership - Mal Meninga Cup - Metro and Regional Leagues - Resident Repetitive Leagues - Canterbury Cup (NSW) - Harvey Norman Women's Premiership - Jersey Flegg (U/20s) - Ron Massey Cup - Sydney Shield - UNE SG Ball (U/18s) - UNE Harold Matthews (U/16s) - Harvey Norman Tarsha Gale Cup - NSW Tertiary Student Rugby League - Junior/Schoolboy knockout competitions/carnivals - All Schoolboy Carnivals - Sanctioned knockout/competitions/matches such as Harmony Day Cup - Tarsha Gale Tournament - League Tag / Touch Competitions - Business Plaza Cup (Newcastle) - NSWJRLA district association competitions - NSW rural and regional Group competitions and Regional Championships For the sake of good order, entities within this program participate by providing teams, and coaching for the State of Origin, however the event is run by the National Rugby League.

Offsite BBQ Fund Raising (Bunnings Store)

Limits of Liability:

Public Liability	Sch 2.2(a)(xi) any one Occurrence
Products Liability	any one period of insurance

Sublimits:

Property in Physical or Legal Control	limited in the aggregate
Advertising Injury	any one Occurrence
Professional Liability	limited in the aggregate
Molestation	limited in the aggregate
Participant to Participant	Any one claim and limited in the aggregate
Concussion Liability	limited in the aggregate

Excess:

Personal Injury	each and every Occurrence inclusive of Supplementary Payments
Property Damage	each and every Occurrence inclusive of Supplementary Payments
Participant to Participant	each and every Occurrence inclusive of Supplementary Payments
Advertising injury	each and every Occurrence inclusive of Supplementary Payments
Professional Liability	each and every Claim inclusive of Supplementary Payments
Molestation	each and every Claim inclusive of Supplementary Payments
Concussion	each and every Claim inclusive of Supplementary Payments

Payments

Insurer: {Underwritten for certain underwriters at Lloyd's of London & Chubb Insurance Australia Limited by their agent SLE Worldwide Australia Pty Ltd. under binding authorities B128416380W24 & 001-2024 respectively.
{ \$ 20,000,000x \$5,000,000 Underwritten for certain underwriters at Lloyd's of London & Chubb Insurance Australia Limited by their agent SLE Worldwide Australia Pty Ltd. under binding authorities B128416380W24 & 001-2024 respectively.
{ \$ 25,000,000x \$25,000,000 is 100% underwritten for Chubb Insurance Australia Limited by their agent SLE Worldwide Australia Pty Limited.

Policy Number: 205095510392

Geographical Limits: Worldwide excluding North America

Broker: AJG - North Sydney
Level 12, 80 Pacific Highway
North Sydney NSW 2060

Stamped & Dated: 08 January 2025



SLE Worldwide Australia Pty Limited is acting under the authority of the Insurers and will be effecting this contract of insurance as agent of the Insurer and not the Insured. ABN 15 066 698 575 AFSL License No: 237268

Please Note: Whilst an expiry date has been indicated, it should be known this policy can be cancelled at any time in the future. Accordingly reliance should not be placed on the expiry date.

IMPORTANT NOTES:

1. The Named Insured may cancel this Policy by giving notice in writing to SLE. The Companies may cancel this Policy in any of the circumstances set out in the Insurance Contracts Act, 1984. After cancellation as aforesaid, the premium for the period prior to cancellation shall be adjusted on a pro rata basis plus 10% of the annual premium. When the premium is subject to adjustment, cancellation will not affect the Insured's obligation to supply such information as the Companies may require for the adjustment of the premium. Cancellation will not affect the Insured's obligations to pay the amount of adjustment applicable up to the date of cancellation.
2. Please ensure that you read this document in its entirety.

Belconnen United Sharks Strategic Plan for 2025-2028

Our Vision/Mission

The Belconnen Sharks vision is to become Canberra's most successful rugby league club. Our mission is to create a financially successful club through long-term partnerships, to develop the game of rugby league for both men and women, and to create pathways for junior boys and girls to transition to senior rugby league in a positive, safe environment

Our Values

The values that guide the Belconnen Sharks are:

Inclusion

- Inclusion of Belconnen Sharks into all grades in local elite competition
- Present Teams in both Mens and Ladies senior competition
- Support inclusion by providing a safe and inclusion club culture welcoming Cultural, Religious and Gender diversity

Respect

- Principles of Rugby League - NRL/CRRL code of conduct and governing framework,
- Match officials, Club players & officials, Opposition and spectators
- Respect of cultural, religion and diversity backgrounds

Fair Play

- Play within the rules of the game
- Adhere to NRL/CDRL code of conduct and governing framework,
- Recognition & appreciation good play across all teams and recognise varying skill levels
-

Strategic Partnerships

- Develop long term sponsorship agreements
- long term lease of Bruce facility, to support expansion
- Support & promotion of local business through sponsorship and visibility of the game

Our Strategic Priorities

Belconnen United Sharks has a set of strategic priorities with associated objectives (usually 2-6 per priority) to help us achieve our vision/mission.

Financially successful

- Maintain strong leadership through consistent Club Committee
- Establish sponsorship sub-committee to build long-term local strategic partnerships with major/minor partners
- Promotion of Financial sponsors, sponsor days and individual player sponsors
- Maintain CRRL corporate sponsorship through Raiders club attendance/support

Develop and maintain competitive player group and support expansion of the game

- Expansion of team participation - introduce under 19 and Ladies Tackle in 2024
- Provide 5 teams across all grades in local competition
- Alignment to CRRL female pathway program and Representative participation
- Establish ongoing relationship with junior club through training & gameday interactions

Develop a safe and inclusive culture

- Provide an open and transparent club culture
- Recognise culture, religious & diversity background
- Promotion of Family and community day, Ladies day
- Promote and celebrate diversity through annual cultural rounds
- Continued education of players, officials and supporters on benefits of diversity

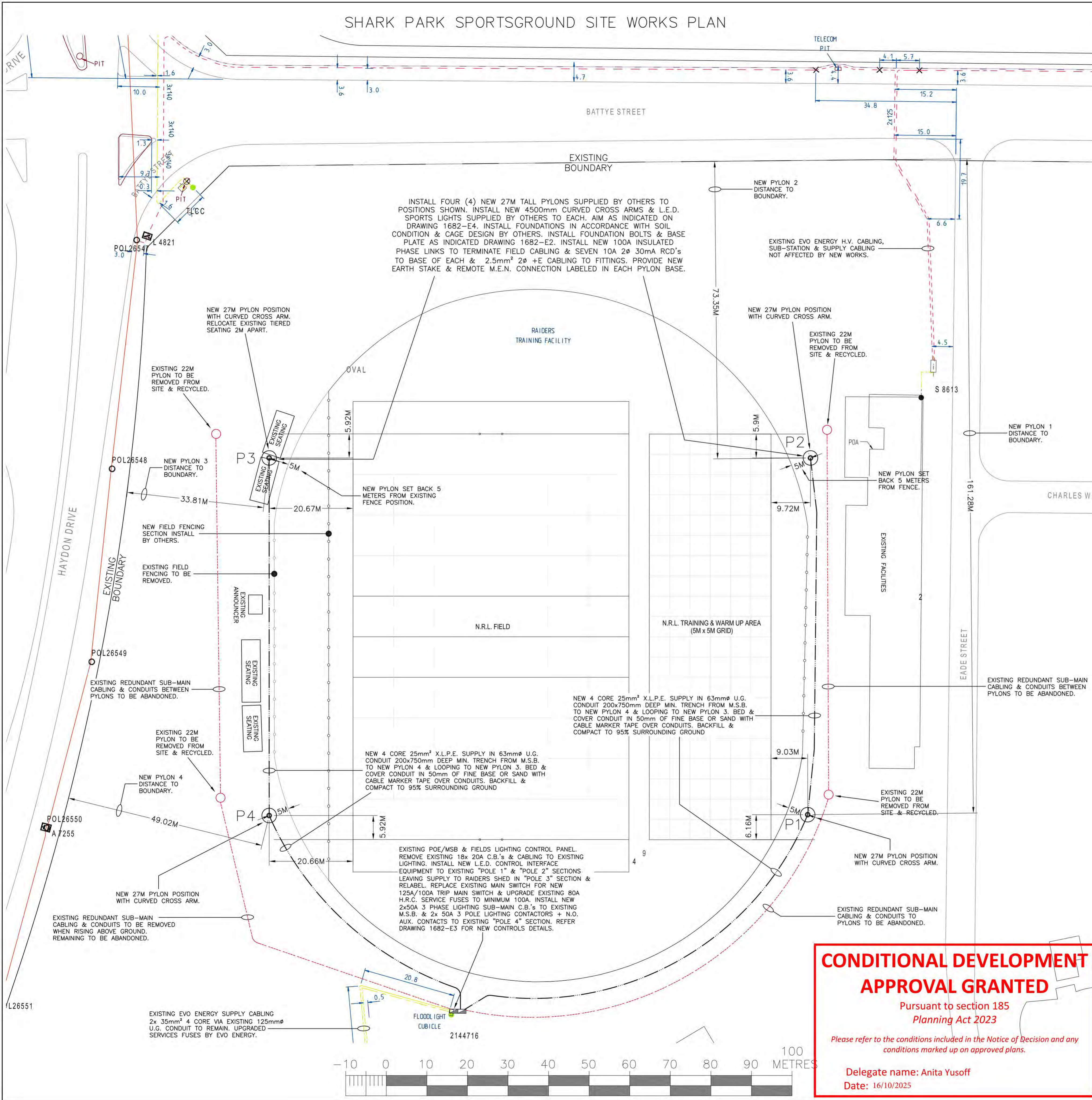
Develop game of Rugby League

- Support CRRL in operational and governance of local competition
- Maintain NRL relationship with maintenance and support of Bruce facilities
- Establish working group to investigate Grant options to develop Bruce facility
- support Monaro & KFS competition - hosting of local games
- Expansion of club numbers, introduce ladies tackle side in 2024

Create pathways to support the transition from junior to senior rugby league

- Provide opportunities for juniors to train with seniors in a development squad
- Partner with junior club on events, training and game day interactions
- CRRL to assist with Raiders training and promotions - Mens & Ladies
- Senior players to be available to assist with junior development
- Support strong Sharks junior competition

SHARK PARK SPORTSGROUND SITE WORKS PLAN



NOTES:

- REMOVE EXISTING 24x 2KW METAL HALIDE FITTINGS AND CROSS ARMS FROM EXISTING 4 PYLONS 22M TALL INCLUDING CABLING AND GEAR TRAYS. RECYCLE / DISPOSE OF EQUIPMENT UNLESS REQUIRED BY CLIENT. REMOVE EXISTING PYLONS & RECYCLE. REMOVE TOP 300MM OF CONCRETE & CUT FOUNDATION BOLTS, BACKFILL, COMPACT & RE-SEED ON COMPLETION. DEVELOPER TO REINSTATE CONCRETE PAVING AT NEW & EXISTING PYLON 2 POSITION ON COMPLETION OF CONTRACTOR WORKS.
- UNLOAD DELIVERY TO SITE & ERECT 4 x 27 METER FLOODLIGHT PYLONS & CROSS ARMS SUPPLIED BY OTHERS TO POSITIONS SHOWN, SUPPLY & INSTALL NEW FOUNDATIONS IN ACCORDANCE WITH STRUCTURAL DESIGN PROVIDED BY PROJECT MANAGER. WHERE NOT AVAILABLE IN ACCORDANCE WITH THE PILE FOOTING PYLON RATINGS PROVIDED ON THE DRAWINGS, PYLONS TO BE UNLOADED TO SUITABLE LOCATIONS ON-SITE & SECTION SLIP ACHIEVED TO MANUFACTURE SPECIFICATIONS ON GROUND PRIOR TO ERECTION. ON COMPLETION SPOT WELD EACH BASE PLATE NUT (12 PER PYLON) TO ANCHOR BOLTS.
- INSTALL ANCHOR BOLTS & FOUNDATION CAGES PROVIDED USING BASE PLATE TEMPLATE & LEVEL AS SHOWN.
- STRUCTURAL SIGN OFF BY OTHERS DURING CARBON REDUCED CONCRETE PLACEMENT NOTIFY PROJECT MANAGER 7 DAY PRIOR TO ARRANGE INSPECTION.
- TRENCH OVALS AS SHOWN AND INSTALL UNDERGROUND CONDUITS, PITS & CABLING TO PYLONS FROM THE EXISTING M.S.B. / NEW LIGHTING DISTRIBUTION / CONTROL PANEL. BACKFILL AND COMPACT MAKING GOOD GROUND SURFACE ON COMPLETION.
- SUPPLY & INSTALL TWENTY EIGHT NEW 1550 WATT L.E.D. FITTINGS TO CROSS BAR ASSEMBLIES AND FIT CROSS BARS TO PYLONS IN ACCORDANCE WITH EQUIPMENT DETAILS ON THE DRAWINGS, FITTINGS EQUAL AAA-LUX WS2707 INCLUDING SHIELDS BY AREALUX. OBTAIN SHIELD INSTALLATION INSTRUCTIONS & AIMING APPARATUS FROM ENGINEER & RETURN ON COMPLETION.
- INSTALL PHASE LINKS, ISOLATOR & LUMINARIES PROTECTION EQUIPMENT TO PYLONS AND MAKE ALL TERMINATIONS. ENSURE ALL EQUIPMENT IS ADEQUATELY FUSED/PROTECTED AT PYLONS IN ACCORDANCE WITH MANUFACTURERS' RATINGS.
- SUPPLY AND INSTALL NEW LIGHTING CONTROLS. MOUNT LIGHTING CONTROL BOX, ANTENNA BOX & INPUT SENSOR BOX SUPPLIED WITH LUMINARIES TO CONTROL PANEL (EXISTING POLE 1 & POLE 2 SECTIONS) & INTERFACE CABLING AS SHOWN ON DRAWINGS.
- SUPPLY AND INSTALL 63mmØ CONDUIT FOR NEW SUB-MAINS FROM NEW M.S.B. INSTALL 4 CORE 35mm² & 25mm² Cu X.L.P.E. SUB-MAINS CIRCUIT BREAKERS & INTERNAL CONDUIT MOUNTING AS NOTED.
- POSITION FLOODLIGHTS TO NOMINATED AIMING POINTS AND COMMISSION COMPLETE SYSTEM IN ACCORDANCE WITH ENGINEERS' INSTRUCTIONS. A REPRESENTATIVE FROM THE LUMINAIRE SUPPLIER CAN ASSIST WITH AIMING TECHNIQUES.
- PROVIDE SHOP DRAWINGS DETAILING THE PROPOSED SWITCHBOARD & LIGHTING CONTROL PANELS PHYSICAL AND ELECTRICAL LAYOUT PRIOR TO MANUFACTURE.

LEGEND:

- (COMMUNICATIONS) = NEW JB COMMUNICATIONS PIT.
- (POWER) = ACO CABLEMATE PIT & LID No. 75957 & 75990 (715x410x800)
- - - - - = EXISTING OR NEW AS NOTED EVO ENERGY U.G. HIGH VOLTAGE CABLING.
- - - - - = EXISTING EVO ENERGY U.G. LOW VOLTAGE CABLING TO REMAIN.
- - - - - = EXISTING EVO ENERGY U.G. LOW VOLTAGE STREET LIGHT CABLING.
- - - - - = EXISTING INSTALLATION U.G. MAINS & CIRCUIT CABLING TO BE DISCONNECTED & ABANDONED.

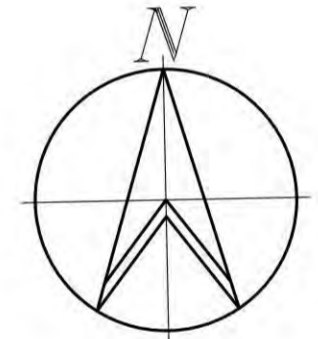
REMOTE ACCESS & CONTROL NOTES:

- CONTRACTOR TO INSTALL NEW CONTROL PANEL TO REAR OF M.S.B. CONTROL SECTION WITH I/O MODULES LINKED TO NEW FLOODLIGHT REMOTE CONTROL INTERFACE RELAYS VIA CONTROL / STATUS CABLING IN LIGHTING PANEL. INSTALL NEW MOBILE ROUTER CONNECTED TO MOBILE LEAD ON NEW ANTENNA MOUNTED ON TOP OF M.S.B. INSTALL DATA CABLE FROM ROUTER TO SECURITY PANEL.
- INSTALL 240V INTERFACE RELAYS WITH 10A 240V RATED CONTACTS, 2 CHANNEL TIME CLOCK (CHANNEL 2 SPARE), OFF/MANUAL/AUTO/REMOTE & 50 LUX/100 LUX / 200 LUX ROTARY OPERATIONAL SWITCHES.
- THE FOLLOWING SPECIFIC EQUIPMENT TO BE SUPPLIED DIRECTLY BY CONTRACTOR:
 - INDUSTRIAL MOBILE ROUTER COMSET CM685V-4 INDUSTRIAL GRADE 3G 4G 4GX COMPLETE WITH PLUG IN POWER SUPPLY.
 - "PUCK" TYPE ANTENNA TAOGLAS COLOSSEUM HEAVY DUTY LOW PROFILE 5 IN 1 (2XMOBILE, 2XWIFI & 1XGPS) NO. MA850.A.LBICG.001.

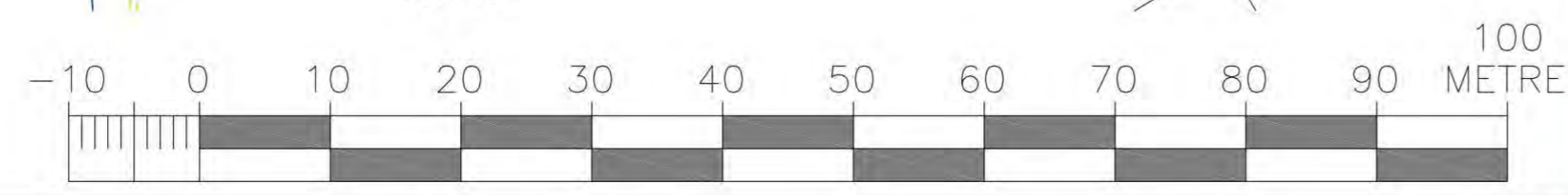
- CONTRACTOR TO SUPPLY & INSTALL NEW CONTROL / STATUS CABLING FROM CHALLENGER 10 PLUS CONTROL PANEL TO INTERFACE RELAY TERMINALS.
- CONTRACTOR TO UNDERTAKE INSTALLATION OF AAA-LUX EQUIPMENT & SUPPLY & INSTALLATION OF ALL OTHER EQUIPMENT & CABLING. CONNECT AAA-LUX LIGHTING ANTENNA BOX TO WIFI CONNECTION ON NEW ANTENNA PROVIDE CABLE EXTENSION AS REQUIRED & INSTALL DATA CABLE FROM PORT TO LIGHTING CONTROL BOX.
- UNDERTAKE REQUIRED PROGRAMING & ARRANGE ALL SYSTEMS INCLUSION ON WEB MANAGEMENT SYSTEM.
- PROVIDE USER TRAINING & ASSISTANCE FOR USERS TO ACCESS VIA AAA-LUX MOBILE APPLICATION.

GENERAL ELECTRICAL SPECIFICATION NOTES:

- AEC ENGINEERS WILL INSPECT THE INSTALLATION WORKS UNDERTAKE COMMISSIONING TESTS & VERIFICATION MEASUREMENTS AND CERTIFICATION ON COMPLETION.
- PROVIDE 12 MONTHS WARRANTY ON INSTALLATION WORKS AND MATERIALS FROM THE DATE OF PRACTICAL COMPLETION CERTIFIED BY THE ENGINEER.
- GAIN ENGINEERS' APPROVAL TO ALTER ANY PART OF THE APPROVED DOCUMENTED WORKS OR REJECTION & RECTIFICATION WORK WILL BE DONE AT COST TO THE CONTRACTOR.
- ON COMPLETION OF SWITCHBOARD INSTALLATION WORKS SUBMIT REQUIRED APPROVAL AND ENERGISE THE INSTALLATION.
- MAKE ALL NECESSARY ARRANGEMENTS FOR SHUTDOWNS ETC. WITH EVO ENERGY AND PAY ANY ASSOCIATED FEES & CHARGES.
- USE BARRIERS AND SIGNAGE TO PROTECT THE PUBLIC FROM INJURY ATTRIBUTED TO THE EXCAVATION OR INCOMPLETE WORKS.
- ALL WORK TO COMPLY WITH:
 - BUILDING CODE OF AUSTRALIA
 - AS 3000 (WIRING RULES)
 - AS 3008 (CABLE SELECTION & DE-RATING)
 - AS 2560 SERIES (SPORTS LIGHTING STANDARDS)
 - AS 4282 (OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING)



CONDITIONAL DEVELOPMENT APPROVAL GRANTED
 Pursuant to section 185 Planning Act 2023
 Please refer to the conditions included in the Notice of Decision and any conditions marked up on approved plans.
 Delegate name: Anita Yusoff
 Date: 16/10/2025



E	18/08/25	Revised To Comments	A.H.
D	25/02/25	D.A. Issue	A.H.
C	18/10/24	Scope Details	A.H.
B	14/02/24	Report Issue	A.H.
A	08/01/24	INITIAL SETUP	A.H.

No.	Date	Description	Init.
AMENDMENTS			
Client			
BELCONNEN UNITED SHARKS RUGBY LEAGUE FOOTBALL CLUB			
 consulting group P.O. Box 503 Mawson ACT 2607 Telephone: (02) 6101 4770 email: oecengineers@tpg.com.au			
CONSULTING ENGINEERS			
Project			
SHARK PARK SPORTSGROUND UPGRADE WORKS EAED STREET, BRUCE			
BLOCK 4, SECTION 9 BRUCE, ACT			
Title			
SHARK PARK OVAL ELECTRICAL SERVICES SITE PLAN & DETAILS			
Scale:	1:500	Date:	08/01/2024
Drawn:	A.Hill	Checked:	JMcK
CAD File:	A1	Sheet:	2 of 4
Job No.:	1682	Drawing Number:	1682-E1
		Amtd.:	E

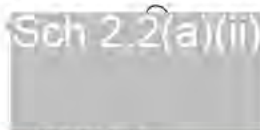
Profit and loss report

Cash mode

01 Oct 2024 - 30 Sep 2025

		Total		
	Actual	Last Year	Variance \$	Variance %
4-0000 Income				
4-1200 Sponsorship	138,709.09	110,590.87	28,118.22	25
4-1225 Transfer Fee	650.00	1,000.00	(350.00)	-35
4-1250 CRL Grant	35,725.00	59,771.00	(24,046.00)	-40
4-1300 Canteen Income	50,273.20	33,284.99	16,988.21	51
4-1350 Gate	16,050.69	15,570.26	480.43	3
4-1400 Player Registration	27,073.42	28,091.67	(1,018.25)	-4
4-1500 Miscellaneous Income	1,729.99	571.37	1,158.62	203
4-1600 Fundraiser Income	27,614.63	48,991.86	(21,377.23)	-44
Total Income	297,826.02	297,872.02	(46.00)	0.00%
Gross Profit	297,826.02	297,872.02	(46.00)	0
6-0000 Expense				
6-1200 Signage, Sponsor Costs & Promo	11,854.14	6,863.51	4,990.63	73
6-1400 Bank charges	1,544.87	1,324.62	220.25	17
6-2000 Player Payments	53,935.00	92,865.85	(38,930.85)	-42
6-2050 Coaches Payments	26,950.00	32,275.00	(5,325.00)	-16
6-2070 Physio	5,454.55	14,493.18	(9,038.63)	-62
6-2100 Playing Fees	12,811.04	11,704.86	1,106.18	10
6-2110 Ground Hire	0.00	600.00	(600.00)	-100
6-2150 Strapping	7,096.26	7,031.61	64.65	1
6-2600 Insurance	14,399.54	14,470.00	(70.46)	-0
6-3000 Function Expenses	29,095.67	48,020.06	(18,924.39)	-39
6-3100 Canteen Costs	22,192.73	21,303.02	889.71	4
6-3200 Equipment	6,271.33	7,730.91	(1,459.58)	-19
6-3400 Player Kit	40,003.00	54,303.27	(14,300.27)	-26
6-3600 Office supplies	783.53	1,041.76	(258.23)	-25
6-4800 Repairs & maintenance	181.82	0.00	181.82	-
6-5900 Video	1,890.91	1,854.55	36.36	2
Total Expense	234,464.39	315,882.20	(81,417.81)	-25.80%
Operating Profit	63,361.63	(18,010.18)	81,371.81	452
8-0000 Other Income				
8-1400 Other income	4,880.75	0.00	4,880.75	-
Total Other Income	4,880.75	0.00	4,880.75	-
Net Profit	68,242.38	(18,010.18)	86,252.56	479

I certify this as a true record of the financial statements for the Belconnen United Sharks Rugby League Football Club Inc

Sch 2.2(a)(iii)

Treasurer

Balance sheet report

Cash mode
30 Sep 2025

	Actual	Total Last Year	Variance \$	Variance %
1-0000 Asset				
1-0001 Banking				
1-1010 Commonwealth Bank	71,967.34	12,723.89	59,243.45	466
1-1020 Commonwealth Bank Fundraising Acct	837.05	1,275.00	(437.95)	-34
Total Banking	72,804.39	13,998.89	58,805.50	420.07%
1-0003 Fixed Assets				
1-2600 Plant & equipment	32,968.52	24,786.70	8,181.82	33
Total Fixed Assets	32,968.52	24,786.70	8,181.82	33.01%
Total Asset	105,772.91	38,785.59	66,987.32	172.71%
2-0000 Liability				
2-0002 Current Liabilities				
2-2200 GST collected	(24.97)	(25.62)	0.65	-3
2-2400 GST paid	0.59	(0.70)	1.29	-184
2-2450 GST Payable	3,909.00	5,166.00	(1,257.00)	-24
Total Current Liabilities	3,884.62	5,139.68	(1,255.06)	-24.42%
Total Liability	3,884.62	5,139.68	(1,255.06)	-24.42%
Net Assets	101,888.29	33,645.91	68,242.38	203
3-0000 Equity				
3-0001 Current Earnings				
3-1800 Current year earnings	68,242.38	(18,010.18)	86,252.56	-479
Total Current Earnings	68,242.38	(18,010.18)	86,252.56	-478.91%
3-0002 Retained Earnings				
3-1600 Retained earnings	33,645.91	51,656.08	(18,010.18)	-35
Total Retained Earnings	33,645.91	51,656.08	(18,010.17)	-34.87%
Total Equity	101,888.29	33,645.90	68,242.39	202.83%

I certify this as a true record of the financial statements of the Belconnen United Sharks Rugby League Football Club

Inc
Sch 2.2(a)(ii)

Treasurer

From: "French, StephenC (CIT)" <StephenC.French@cit.edu.au>
Sent: 17/10/2025 10:04 AM
To: Sch 2.2(a)(ii)
Subject: RE: Land Custodian

UNOFFICIAL

Hello Sch 2.2(a)(ii),

Happy for you to reuse the existing as all details remain the same within.

Regards,

Stephen French
Senior Director - Facilities
Facilities Operations and Campus Renewal

Canberra Institute of Technology
Mobile: Sch 2.2(a)(ii) | Email: stephenc.french@cit.edu.au
GPO 826, Canberra 2601
CRICOS No. 00001K | RTO 0101

Connect with CIT on: cit.edu.au | [Facebook](#) | [Instagram](#) | [YouTube](#) | [LinkedIn](#)



From: Sch 2.2(a)(ii)
Sent: Wednesday, 15 October 2025 6:08 AM
To: French, StephenC (CIT) <StephenC.French@cit.edu.au>
Subject: RE: Land Custodian

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi
Stephen,

Hope your well mate!

You may have seen that the DA notification period has closed & was favourable for us!! Just waiting for the official notice.

Could you take a look at the attached doc & reissue for me to add to our grant please?

I will be submitting on Friday, Fingers crossed!!!

Sch 2.2(a)(ii)



Sch 2.2(a)(ii)



From: French, StephenC (CIT) <StephenC.French@cit.edu.au>
Sent: Thursday, August 7, 2025 2:57 PM
To: Sch 2.2(a)(ii)
Subject: RE: Land Custodian

UNOFFICIAL

Hello Sch 2.2(a)(ii),

Attached, let me know if you need any further

Stephen French
A/G Senior Director - Facilities
Campus Renewal
Corporate Services

Canberra Institute of Technology
Mobile: Sch 2.2(a)(ii) | Email: stephenc.french@cit.edu.au
GPO 826, Canberra 2601
CRICOS No. 00001K | RTO 0101

Connect with CIT on: cit.edu.au | [Facebook](#) | [Instagram](#) | [YouTube](#) | [LinkedIn](#)

Winner – ACT Large Training Provider of the Year 2024
Winner – ACT VET Teacher of the Year 2024
Winner – ACT Apprentice of the Year 2024
CRICOS No. 00001K – RTO 0101

From: Sch 2.2(a)(ii)
Sent: Thursday, 7 August 2025 2:46 PM
To: French, StephenC (CIT) <StephenC.French@cit.edu.au>
Subject: Land Custodian

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi mate,
Apologies,

they have superseded the old form!

Could you complete the Lessee & Land Custodian sections pleas.

Also, I need the correct Entity name for the Title of the block. It needs to be exactly the same when I do the DA application, but I can't do a title search.

Thanks heaps mate!!

Sch 2.2(a)(ii)



Out of Scope