



Community Engagement Report

Nightcliff Oval Lights



1. BACKGROUND

Council currently provides 17 publicly available active reserves which cater to a range of sports and recreation activities. The main users of Council ovals are cricket and soccer in the Dry Season and AFL and soccer in the Wet Season. Council developed the Sports Field Plan 2016-2026 to guide the future use, development and management of sporting fields and ovals. Sports field lighting was identified as a key infrastructure item with the following strategies and actions for implementation:

- Support installation of sports training lights to help increase the capacity of reserves to accommodate additional uses and spread hours of availability.
- In partnership with relevant Peak Sporting Bodies and clubs, support the provision of training lights on a case-by-case basis, having regard to site condition, constraints and demonstrated demand.

The Sports Field Plan categorises Council's ovals into Regional, District and Local level ovals.

Regional Ovals	District Ovals	Local Ovals
Gardens 1	Gardens 2 Nightcliff Bagot Malak Kahlin	Anula Chrisp Street Dinah Beach Fannie Bay Jingili Moil Nakara Tiwi Wagaman Wanguri Wulagi

The category based management system defines facility maintenance, service levels and infrastructure development. Council's only Regional level oval, Gardens Oval 1, has been built and maintained at a premier standard for competition and training. A lighting design for this oval is currently being developed.

District level ovals cater for junior and senior training and competition and incorporate community facilities and support infrastructure to encourage informal and organised physical activity. These ovals include change rooms, kiosk pavilions and turf maintenance at these grounds is provided to accommodate high levels of use.

In order to maximise the capital investment required to light sporting fields, the District level fields are prioritised due to their higher use, the variety of sports they accommodate and their ability to host both training and competition use. Following discussions and consultation with peak sporting bodies and clubs, Council has received proposals for lights at two District level venues, Bagot and Nightcliff Ovals.

When considering other District venues, Malak Oval already has lighting installed, and Kahlin Oval is used exclusively for cricket predominately in the Dry Season. Therefore, Bagot and Nightcliff ovals are preferential for consideration given both their geographic distribution and use.

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the NT Government Urban and Regional Oval Lights Program.

2. THE PROPOSAL

The Nightcliff lights proposal includes the installation of four light poles to achieve a maximum brightness of 200 lux in the centre of the oval. The poles would be 32 metres high and fabricated from steel. The recommended system utilises metal halide luminaires, each with a glare shield and rear visor to prevent unwanted light spill to surrounding areas. A user pays control system would be installed near the clubhouse, so the lights can be switched to the required lux level.

As the main users of the oval, Nightcliff Football Club and Nightcliff Cricket Club have indicated the following times the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 - 9pm*	100 lux (training)
Tuesday	6 - 9pm	100 lux (training)
Wednesday	6 - 9pm	100 lux (training)
Thursday	6 - 9pm	100 lux (training)
Friday	6 – 9.30pm	200 lux (Wet Season football game)
Saturday	6 – 9.30pm	200 lux (Wet Season football game)
Sunday	Occasional Use**	

**It is expected that from Monday to Thursday the lights will often be off by 8pm, however this table indicates the latest possible time that the lights will be used.*

***There may be an occasional junior twilight match, with lights used until 8pm at the latest.*

3. ENGAGEMENT OBJECTIVES

The objectives of this engagement program were:

- To provide a range of opportunities for the community to participate and contribute their views regarding the lighting proposal
- To develop an understanding of the community views regarding the proposed lighting of Bagot Oval, including an understanding of their concerns, issues, aspirations and opportunities
- To provide feedback to participants on the outcomes of the community engagement process and how it shaped the outcome

4. APPROACH

The engagement process was delivered in accordance with City of Darwin's Community Engagement Policy 025. The process was delivered at the level of 'consult' to obtain feedback on different options, plans or proposals. The feedback received is to be presented to Council to help inform a decision on the proposal. The engagement process was delivered over a 6 week period, from 29 January to 9 March 2018.

5. METHODS AND TOOLS

The engagement process included a range of communication material and methods to promote the consultation to the community, as well as providing a variety of ways for people to engage with us to provide their feedback.

Engage Darwin

The Engage Darwin site was the online platform for the consultation. The following information was available on the Engage Darwin site and is provided in **Appendix A**:

- Lighting design
- Lighting design image
- Recommended Luminaire Technical Data Sheet
- Australian Standard 4282 Control of Obtrusive Light
- Australian Standard 2560.2.3 Lighting for football
- Community Cricket Lighting Guidelines
- Nightcliff Oval Masterplan
- City of Darwin Sport Field Plan 2016 – 2026
- Fact Sheet
- Frequently Asked Questions

Survey

A survey was available on the Engage Darwin site to capture community views on the lighting proposal. Feedback could also be provided via email, phone, mail or in person.

Door Knocking

Door knocking was carried out on the streets surrounding Nightcliff Oval to understand the views of these residents as they will be most directly affected by the proposal.

Mail out

A letter with a fact sheet was mailed to 869 residents and property owners in the surrounding area.

Community stalls

The following community stalls were held to enable community members to attend to discuss the proposals and provide their feedback:

- Saturday 17 February 2pm – 5pm, Nightcliff Oval
- Sunday 25 February 4pm, Bagot Oval
- Sunday 4 March 8am – 12noon, Nightcliff Markets
- Wednesday 7 March 11am – 2pm, Smith St Mall

Media Launch & Media Release

A media launch was held on Tuesday 30 January at Nightcliff Oval. Lord Mayor and representatives from Football Federation NT and the Nightcliff Sports Club presented to media. A media release was sent to media outlets following the launch, with a story published in the NT News on 31 January and discussions held on local radio.

NT News and Darwin Sun Advertisements

Three advertisements were placed in special Sport and Recreation features run on Tuesday 13 February (Darwin Sun), Wednesday 14 February and Saturday 17 February (NT News).



NT News and Darwin Sun advertisement

Lighting way forward for a cooler season

JUDITH AISTHORPE

SPORTING teams using Nightcliff and Bagot Ovals could soon be able to train and play at night if a proposal for new lighting gets approval. Residents near the sub-urban ovals are asked to have their say about the proposal to install lights at the fields, with feedback open until March 9.

Darwin Council has received \$3.5 million to install four light poles at Nightcliff Oval and six at Bagot Oval. Nightcliff Sports Club oval redevelopment co-ordinator Steve Glennon said it would mean players wouldn't have to train and play in the heat of the day.

"They will now be able to play in the cool of the evening. Also our training facilities often end when the sun goes down — we're not getting as much out of our training as we could," he said.

For more information, visit engage.darwin.nt.gov.au



Nightcliff Sports Club's Steve Glennon, Mayor Kon Vatskalis, Football Federation NT's Bruce Stalder

NT News article 31 January 2018

Social media

A Facebook post and advertisement were used to promote the consultation.



Facebook Post



Facebook Advertisement

The Facebook post and advertisement achieved a reach of 27,448 with the following analytics:

	REACTIONS	COMMENTS, SHARES	POST CLICKS	REACH
Facebook Post 30 January	50	14	308	2803
Facebook Advertisement 30 Jan–9 March	114	80	624	24,645

TOTAL	164	94	932	27,448
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Corflute sign

A corflute sign was erected at the entrance to Nightcliff Oval.



6. FEEDBACK

The following feedback was received through the consultation:



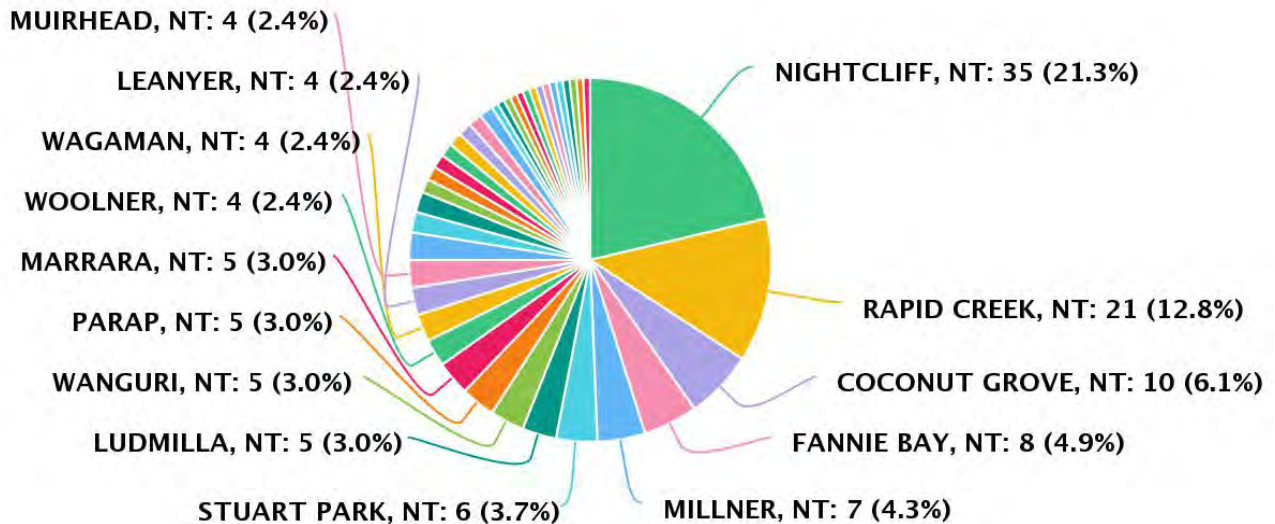
Survey summary

The full survey results are shown in **Appendix B**

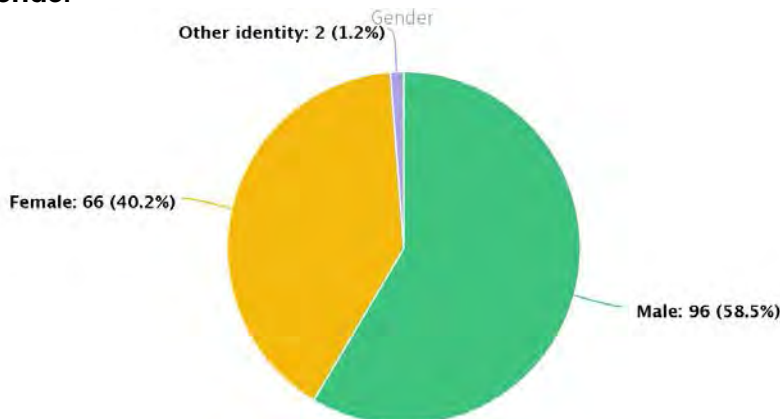
527 people visited the Engage Darwin project page with 165 people completing the survey.

Where people live

40% of survey respondents were from the surrounding suburbs of Nightcliff, Rapid Creek and Coconut Grove with the remaining respondents spread across other Darwin suburbs.



Gender



Use of Nightcliff Oval

94% of respondents use Nightcliff Oval and 6% do not. Of those that indicated they (or their family) use Nightcliff Oval:

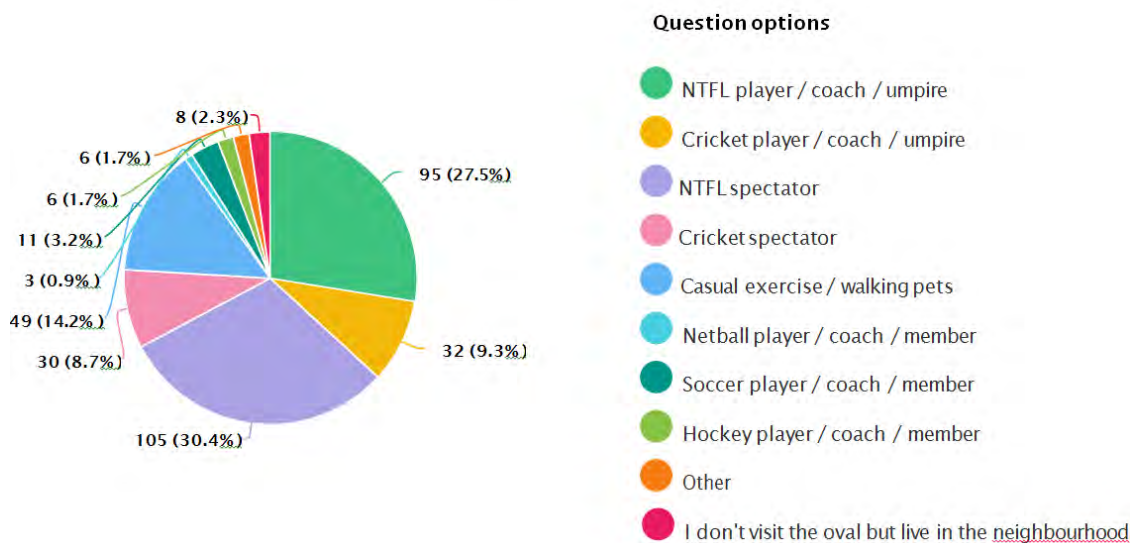
- 61% use it often (more than once a week)
- 10% regularly (once a week)
- 10% Occasionally (once every two or three weeks)
- 12% Sometimes (once every few months)

- 7% Rarely (once or twice a year)

When asked why people use Nightcliff Oval (could select more than one option):

- 57% as a NTFL player / coach / umpire
- 19% as a cricket player / coach / umpire
- 64% as a NTFL spectator
- 18% as a cricket spectator
- 30% for casual exercise / walking pets
- 2% as a netball player / coach / member
- 7% as a soccer player / coach / member
- 5% don't visit but live in the local area

Q3. Why do you (or your family) use or visit Nightcliff Oval?



What do you currently like about Nightcliff Oval?

There were 145 responses received regarding what people currently like about Nightcliff Oval. It was evident that Nightcliff Oval and Sports Club provide a valued community hub for the local residents. The key themes raised were:

- Community hub, brings community together, community feel, supported by local community
- Central hub of Nightcliff, always filled with activity, great social asset
- Convenient, central location
- Easy parking, accessible
- Good spot to play multiple sports surrounded by great facilities
- Supports multiple sporting clubs and community uses
- Well maintained, great community facility in the suburbs
- Shade, cool, great afternoon breeze
- Great playing surface

What don't you currently like about Nightcliff Oval?

There were 129 responses received regarding what people currently don't like about Nightcliff Oval. The lack of lights was the most common response, with the key themes raised being:

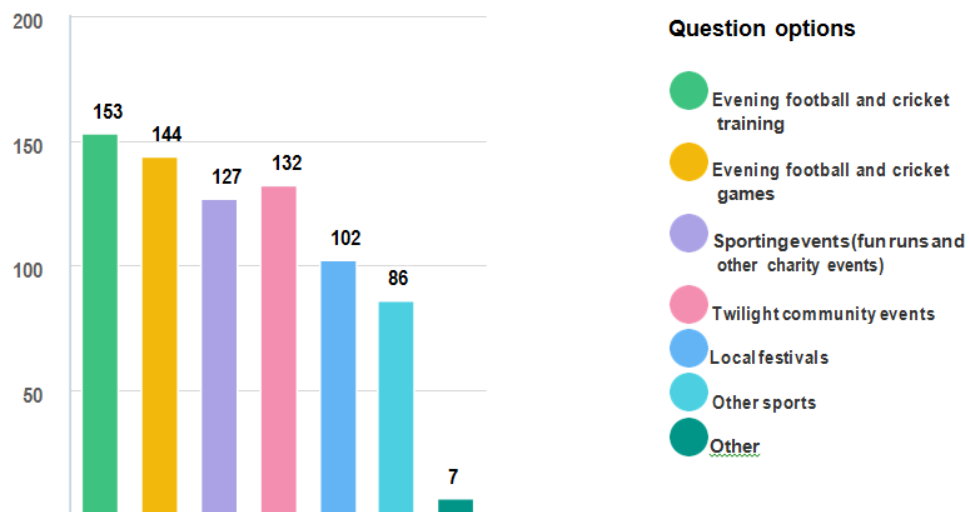
- No lights – limits training and games, cannot fully utilise the facility, forces games to be played in heat (safety issue)
- Old / poor change room facilities and toilets
- Kiosk needs to be upgraded
- Traffic issues when games are on - parked cars on surrounding streets creates congestion
- Need additional shaded areas and seating for spectators
- Anti-social behaviour, break-ins at kiosk
- Would like the perimeter gate locked at night
- Not enough parking during games

Extending use of Nightcliff Oval

Most survey respondents (98%) said they would like to see Nightcliff Oval extended beyond its current use, with 2% not wanting it extended. Respondents supportive of extending the current use are supportive of:

- 93% evening football and cricket training
- 87% evening football and cricket games
- 77% sporting events, fun runs and other charity events
- 80% twilight community events
- 62% local festivals
- 52% Other sports

Q7. If you answered yes to the use of Nightcliff Oval being extended, what type of activities would you like to see?

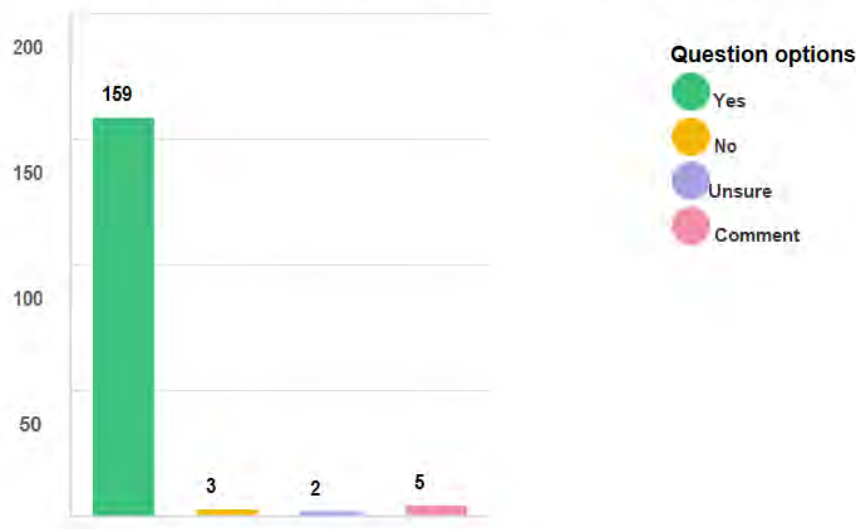


Do you support lights at Nightcliff Oval?

A high majority of survey respondents (97%) support the installation of lights at Nightcliff Oval, with 2% of respondents not supportive and 1% unsure.

Q8. Installing lights at Nightcliff Oval would allow the facility to be used in the evening.

Do you support the installation of lights at Nightcliff Oval?



Concerns with the installation of lights

24 respondents indicated they had concerns with the lights being installed. The concerns raised included:

- Neighbours need to be considered and not negatively impacted, ensure design has the least impact on residents and plan a tree planting program to assist in retaining a buffer for light spill
- The current proposal will not provide enough light to facilitate cricket matches / install infrastructure that can be upgraded to facilitate cricket matches in the future if needed
- Need parking and traffic management planning, particularly for traffic flow on surrounding feeder roads / need a thoughtful approach to increasing cycle and foot traffic to manage increased use of facilities.
- Current parking is insufficient for matches
- Potential social issues that may flow on from late night activity and extension of liquor licensing such as loitering after night games and events
- Need to have security checks of the area upon closure
- Links to activity at Nightcliff Sports Club and management of behaviour/noise leaving the Sports Club. It used to be rowdy, then it improved, then recently it has been rowdy again. Events on the oval shouldn't go past 9pm.
- Strict end time to reduce potential noise and light spillage impacts
- Want to have transparency in the process
- Negative effect on property values
- Would like it to be energy efficient lights
- That the project will not proceed due to NIMBY attitude

Community Stalls

A total of 264 people provided their views through the community stalls. The feedback included:

262 people (99%) were supportive of the proposal

1 person (.5%) were not supporting of the proposal

1 person (.5%) was unsure

Comments:

- Progress is a fact of living in a city
- Mindful of neighbours
- I live within 100m of the oval, absolutely no concerns
- Extend the program to include the bowling greens
- If it gets people out being active in a safe area I am all for it
- Better to not play/practice in the sun

Concerns:

- The lights are not bright enough, need 1500 lux
- The associated behaviour is my main concern, parking near the water tower is an issue, and rubbish left
- Extra traffic
- Impact on property values
- Too bright for surrounding houses
- Lights off by 8pm would be better
- Lights off by 21:30
- Crime

Door knocking

Door knocking was carried out in the area around the oval including Oleander St, Camphor St, Bauhinia St, Pandanus St, Bamboo St, Pheonix St, and Nightcliff Rd. 20 residents were spoken to, a further 6 local residents provided written submissions. The following feedback was received through door knocking:

Have you completed online survey?	Do you support lights?	Do you have any concerns?
No	Yes	I'm happy to see lights but the car parking on the little side streets is a nightmare, cars come onto our property. The clubs need to take responsibility to ensure the behaviour and rubbish is managed.
No	Unsure	I like progress, I just don't want light to shine into my house, I'm unsure whether it will be an issue or not, it's hard to tell.
No	Yes	No
No	Yes	Lights are a great idea but traffic is an issue, they park on both sides of the street and we can't get out of our property. It would be good to have 'no parking' on one side of the street while the football is on. There needs to be traffic management plans for the area. Often people park on the side streets rather than using the car park as it's slightly quicker to the entrance gate, they need to get them to use the car park. The clubs need to take responsibility for ensuring people do the right thing by the neighbours.
No	Yes	No

No	Yes	No
No	Yes but with strong concerns	I'm not worried about the lights but I am very concerned about anti-social behaviour issues it will create. There is already anti-social behaviour issues at the ground, people sleep under the cover of the grandstands, they are noisy into the night. I'm worried people will hang around after the matches. There should be added security and lock the boundary gates at night time so people can't get in there. I also think there will be an increase in crime because people will target the parked cars at night to steal things. I support the idea of growing sport and money going to sport, there's no issues when the matches are on as it draws a crowd. But I am really worried about the anti-social behaviour.
No	Yes	No
No	Yes	No
Yes	Yes	No
No	Yes	No
No	Yes	No
No	Yes	No
No	Yes	Cars park right along our side street and we can't get the boat out as they are parked so close to driveway and on both sides of street
No	Yes	No
No	Yes	No
No	Yes	No
No	Yes	No
No	Yes	No
No	Yes	No

Written Submissions

The full written submissions are provided in **Appendix C**

There were 12 written submissions received with 8 in support of the proposal, 3 supportive but with concerns and 1 opposed.

A summary of the points raised in the written submissions include:

Support for the proposal

- Having another usable sporting venue for night events
- The venue supports the local community and additional use will support local business who supply the clubs
- Encourages use of the oval for other events such as concerts, movie nights
- Keeps local families in the area, but also entices new visitors to the area - both generates income
- Enabling greater use of the facility, allowing all grades to train on the oval rather than having to train at other venues
- The lights may deter break-ins at the rear of the Nightcliff Community Centre
- The proposed hours of use are acceptable
- The extra light will mean a lot for the development of junior players in numerous sports and it has great community benefit for all involved
- Currently the options for night games are limited by a lack of ovals with lights installed. Installation of lights at Nightcliff (and other grounds around Darwin including Gardens Oval) would greatly reduce risks associated with playing in the day time heat while making games more enjoyable and more family-friendly.
- The advantages to the community of having lights far outweigh the risk of negative outcomes. Also, I understand that lights are now available with quite good targeting of the playing field, meaning little light-fall beyond the oval itself.

Support for the proposal with concerns

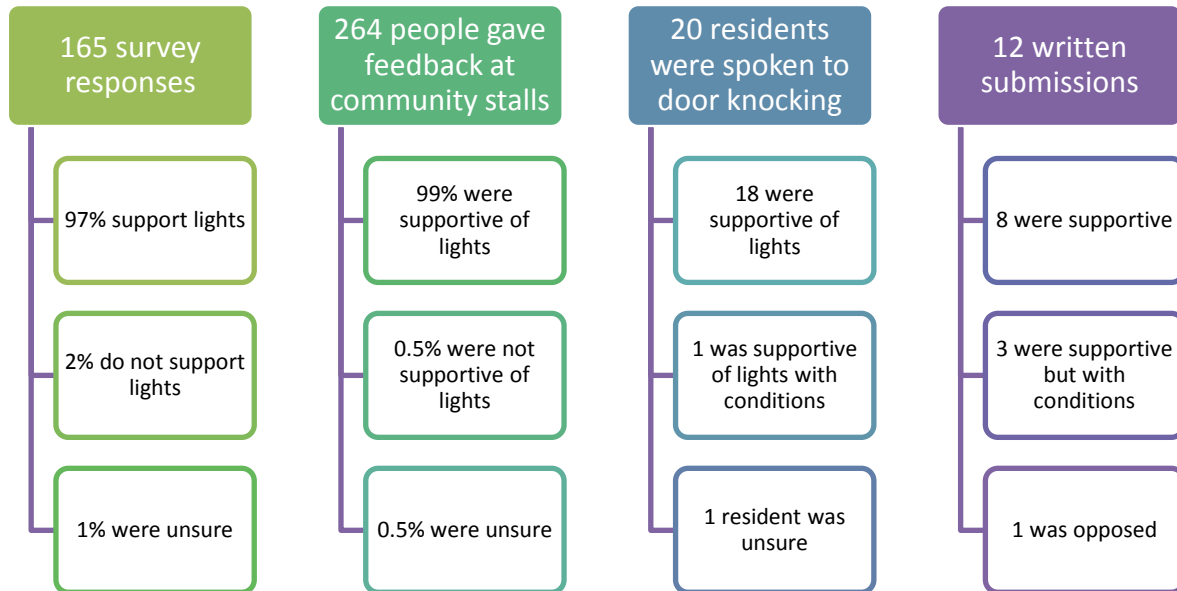
- Danger posed by increased traffic at both ends of Camphor Street in night time conditions.
- Current parking at the junction of Camphor, Oleander and Verbena Streets is chaotic. Traffic hazards could be exasperated in darkness without good lighting, signage and rationalization of parking.
- Don't cut down the oval trees as this will stop the lights shining in on my property.
- Concerns with parking – needs to be improved/increased to reduce overflow onto surrounding streets creating noise and traffic issues when families are trying to get young children to sleep. Stop people parking on verges.
- Anti-social behaviour - itinerants camping on the oval, secure the oval gates.

Oppose the proposal

- These locations are not suitable and were never intended for such use, and exclusivity against residents and ratepayers in the amenity of the evenings.
- We are strongly against the proposal which demonstrates poor planning, loss of amenity and need for consideration of more suitable sites or choices and uses of public money.

7. SUMMARY

The engagement process ran for six weeks and 461 responses were received. The majority of respondents support the installation of lights, with a very small number of people opposed.



Support for the lights

The main reasons for supporting the installation of lights include:

- Enhances a valued and important community hub
- To allow for sport and activities to occur at night rather than in the heat of the day
- Enabling greater use of the facility, it is currently very restricted for training hours
- Provides advantages for multiple users
- Encourages people to be social and active

Opposition to the lights

The reasons for not supporting the installation of lights include:

- The location is not suitable, too close to housing
- Demonstrates poor planning, loss of amenity
- Waste of public money
- Concerns regarding anti-social behaviour
- Adverse effects on land values

Concerns

There were a number of concerns raised by both people that supported and opposed the project:

- Ensuring neighbours are not negatively impacted by light spill
- That the lux level will not facilitate cricket matches
- Traffic management concerns with increased traffic in night time conditions
- There is not enough parking for matches
- The existing car park often doesn't get used, with people parking on side streets instead
- Parking on the side streets creates issues for residents with driveways being blocked and creates access issues
- Would like the lights to be energy efficient
- Concern that it will increase anti-social behaviour in the area, particularly with people loitering after night matches and events

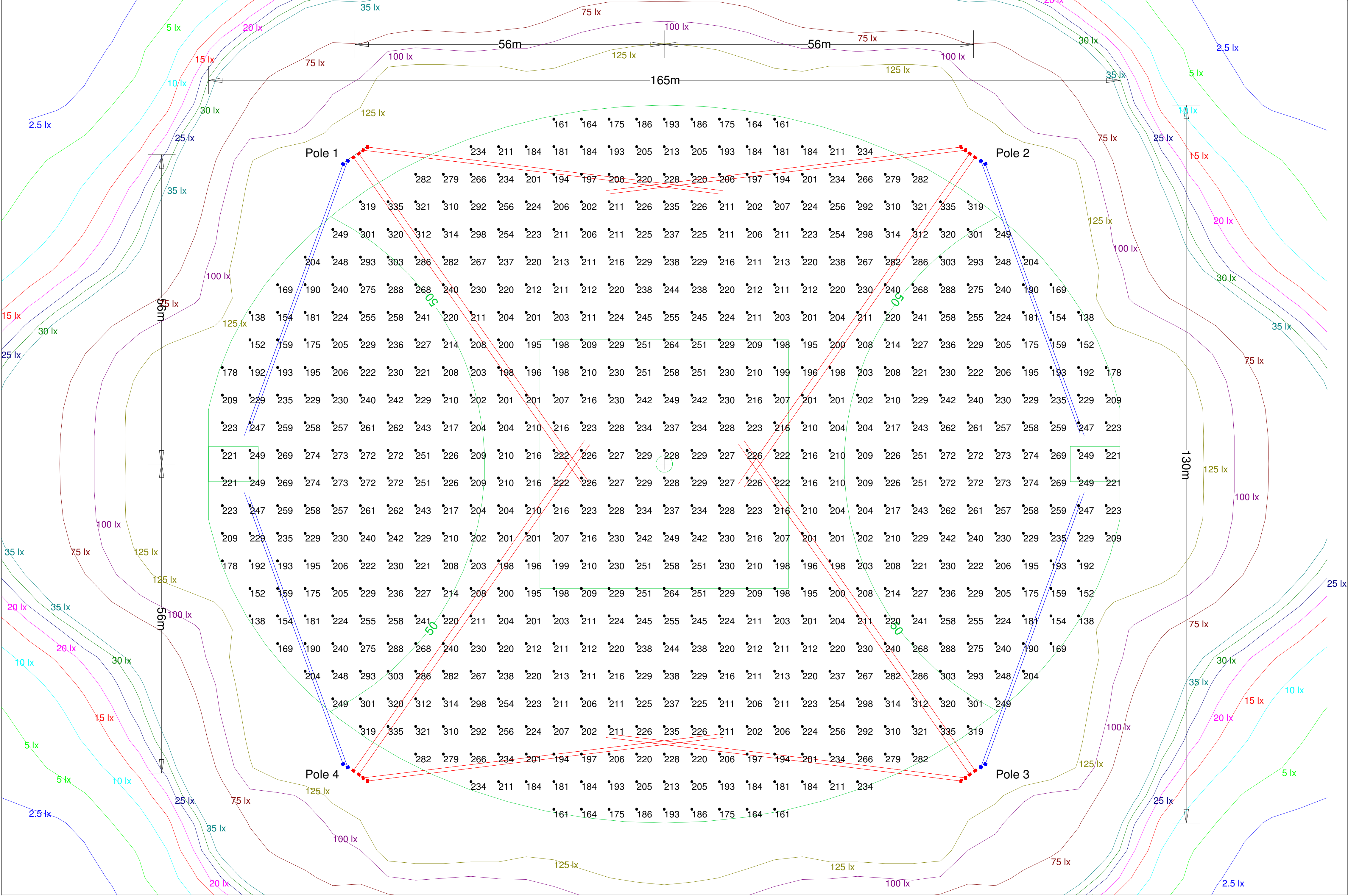
- Suggested that there is security checks and the gates are locked in the evening
- Ensuring rubbish is managed

8. CONCLUSION

The feedback received through this consultation shows a lot of pride and value placed on Nightcliff Oval precinct as an important local community hub. The Oval supports a number of different sporting clubs and community users and creates a valued social network. There is strong support amongst local residents as well as the broader community for the installation of lights to further enhance the use of this community facility. There was a very small number of respondents opposed to the proposal.

The consultation process has provided a good understanding of people's views, concerns and issues with the proposal to install lights. The identification of these issues can assist with future planning for the facility. It is recommended that if the proposal proceeds the following key concerns are further considered:

- Monitor and management of antisocial behaviour issues
 - Investigate suggestion of locking facility gate at night time
 - Investigate options for security checks
 - Ensure rubbish is removed
- Car parking and traffic management assessment
 - Assessment of traffic management with increased night time traffic
 - Investigate options to improve parking and improve access issues on side streets
 - Investigate measures to increase use of existing car park rather than parking in the side streets



Luminaire Location Summary						
LumNo	Label	Pole	X	Y	Z	Orient
1	FL2[2]	1	-58.048	54.566	29.5	250
2	FL2[2]	1	-58.048	54.566	30.18	250
3	FL2[2]	1	-57.229	55.14	29.5	250
4	FL2[2]	1	-57.229	55.14	30.18	250
5	FL2[3]	1	-56.41	55.713	30.18	305
6	FL2[3]	1	-56.41	55.713	29.5	305
7	FL2[3]	1	-55.43	56.399	30.18	305
8	FL2[3]	1	-55.43	56.399	29.5	305
9	FL2[3]	1	-54.771	56.86	29.5	353
10	FL2[3]	1	-54.771	56.86	30.18	353
11	FL2[3]	1	-53.952	57.434	30.18	353
12	FL2[3]	1	-53.952	57.434	29.5	353
13	FL2[3]	2	53.952	57.434	29.5	187
14	FL2[3]	2	53.952	57.434	30.18	187
15	FL2[3]	2	54.771	56.86	30.18	187
16	FL2[3]	2	54.771	56.86	29.5	187
17	FL2[3]	2	55.43	56.399	29.5	235
18	FL2[3]	2	55.43	56.399	30.18	235
19	FL2[3]	2	56.41	55.713	29.5	235
20	FL2[3]	2	56.41	55.713	30.18	235
21	FL2[2]	2	57.229	55.14	30.18	290
22	FL2[2]	2	57.229	55.14	29.5	290
23	FL2[2]	2	58.048	54.566	30.18	290
24	FL2[2]	2	58.048	54.566	29.5	290
25	FL2[2]	3	58.048	-54.566	30.18	70
26	FL2[2]	3	58.048	-54.566	29.5	70
27	FL2[2]	3	57.229	-55.14	29.5	70
28	FL2[2]	3	57.229	-55.14	30.18	70
29	FL2[3]	3	56.41	-55.713	29.5	125
30	FL2[3]	3	56.41	-55.713	30.18	125
31	FL2[3]	3	55.43	-56.399	29.5	125
32	FL2[3]	3	55.43	-56.399	30.18	125
33	FL2[3]	3	54.771	-56.86	29.5	173
34	FL2[3]	3	54.771	-56.86	30.18	173
35	FL2[3]	3	53.952	-57.434	29.5	173
36	FL2[3]	3	53.952	-57.434	30.18	173
37	FL2[3]	4	-53.952	-57.434	29.5	7
38	FL2[3]	4	-53.952	-57.434	30.18	7
39	FL2[3]	4	-54.771	-56.86	30.18	7
40	FL2[3]	4	-54.771	-56.86	29.5	7
41	FL2[3]	4	-55.43	-56.399	29.5	55
42	FL2[3]	4	-55.43	-56.399	30.18	55
43	FL2[3]	4	-56.41	-55.713	30.18	55
44	FL2[3]	4	-56.41	-55.713	29.5	55
45	FL2[2]	4	-57.229	-55.14	29.5	110
46	FL2[2]	4	-57.229	-55.14	30.18	110
47	FL2[2]	4	-58.048	-54.566	29.5	110
48	FL2[2]	4	-58.048	-54.566	30.18	110
Total Quantity: 48						

- Note:
- 1.This design is compliant with the light technical parameters of Australian Standards AS2560.2.3-2007 'Lighting of Football' semi-professional level competition play, however it should be taken as provisional only as all dimension, pole locations and heights must be confirmed before installation.
 2. An assessment of the floodlight system in accordance with the requirements of AS4282-1997 'The obtrusive effect of outdoor lighting' has not been performed.
 3. The pole heights specified in this design proposal should be taken as notional and are taken as the vertical distance from the base of the pole to the top cross-arm and assumes that the base is at the same relative height as the centre of the field. They therefore do not take into consideration the topography of the site. An analysis of the site topography should be taken into account when determining the actual required heights of each poles.
 4. The proposed floodlights are 2kW metal halide operating on 415V (phase phase) reactor/ignitor control gear.

Luminaire Schedule					
Symbol	Label	Qty	Description	Lumens/Lamp	MF
	FL2[2]	16	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 2	220000	0.800
	FL2[3]	32	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 3	220000	0.800



Champion (New)

Calculation Summary						
Label	Description	Avg	Max	Min	Min/Avg	Min/Max
Eh_1	Horizontal illuminance on the PPA at 0m AGL	228.10	335	138	0.61	0.41

Note:
Refer to installation instructions for details
on lampholder positional adjustment

Ordering Guide			
Qty	Description	SAP code	Type
48	CHAMPION 2kW MHNLA	96261230	2 kW metal halide floodlight
48	HIT-DE2000W/842MHNLA	96009899	2 kW metal halide lamp
48	CGTM2MHNLA415NIF	96038307	Tray mounted control gear
48	CGWP2MHNLA415NIF	96038308	Weatherproof control gear

Installation Details	
No. of floodlights	48
No. of poles	4
Height of poles (nom)	30m
Total power (nom)	102 kW
Start current (nom)	6.32 amps
Run current (nom)	5.363 amps

Note 1 - phase/phase 415 volt, nominal
Note 2 - per each lamp, power factor 0.9

This design and specification is the copyright
property of Thorn Lighting Pty Limited
(ABN 74 001 142 501). Any unauthorised use
may result in proceedings being brought
against the user by Thorn Lighting Pty Limited
for and on the behalf of Thorn Lighting Pty Limited.
Date: _____
Signed: _____

zumtobel group

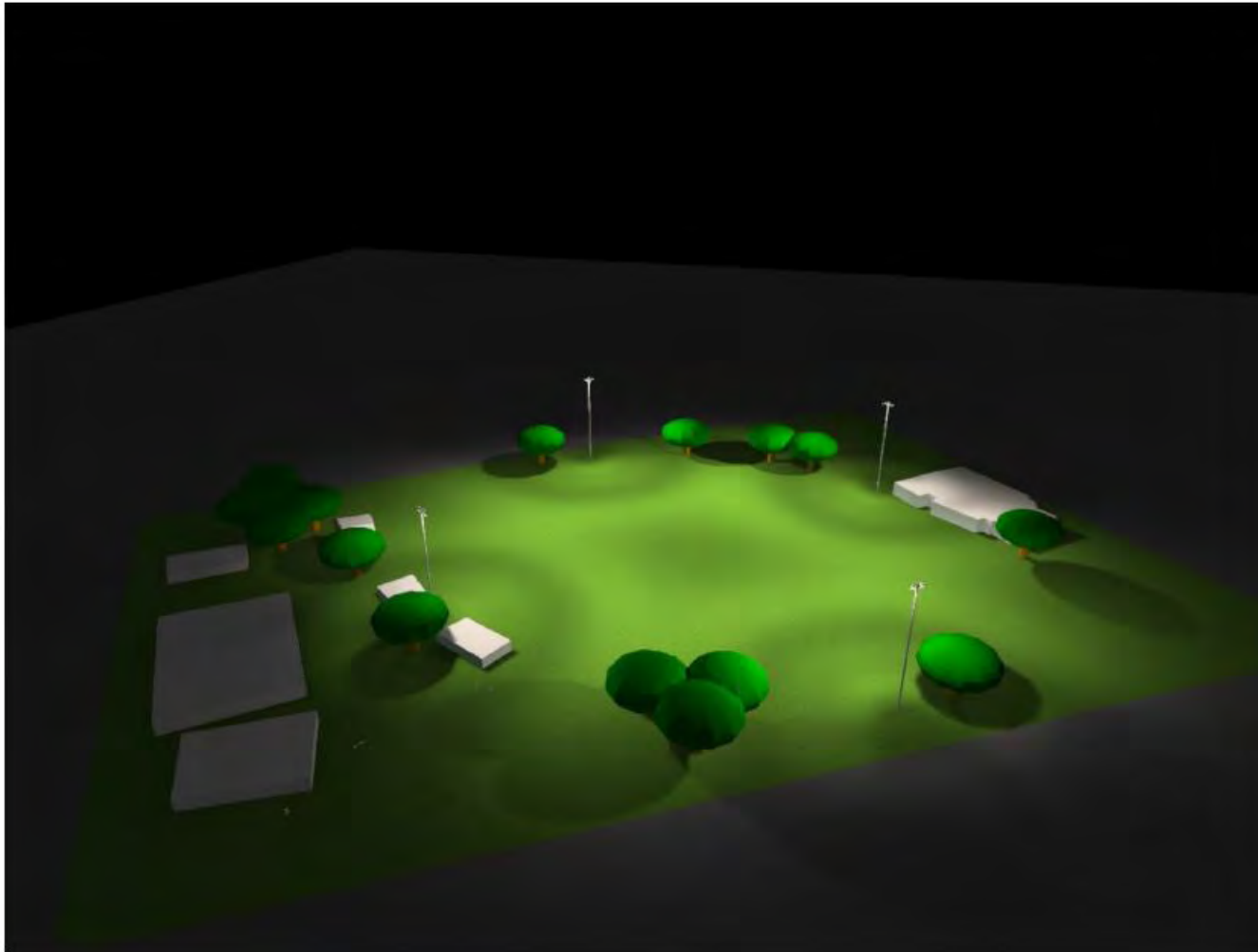
43-4 / Newton Road, Werribee Park NSW 2104

Project: Nightcliff AFL Oval
Lighting Layout - 200 Lux







Client:

Project No:	PT/Quote No:	Date:
Drawing No:	Lighting Engineer:	
Revision No:	File:	Nightcliff AFL 200 Lux.AGI

THORN ZUMTOBEL BEGA

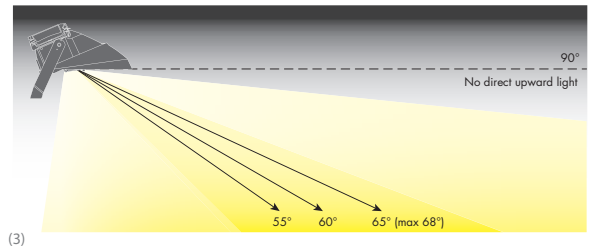
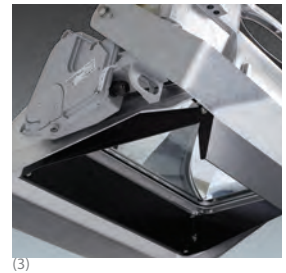
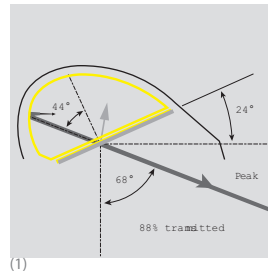


False render image extracted from the lighting design model for Metal Halide 200 lux lighting (provided by NTBS PTY LTD)

	HQI-TS/S (MD)	1/2kW
	HQI-TS/L (MD)	2kW
	MHN-LA (MD)	1/2kW
	HST (ST)	E40 1kW
	HIT (MT)	E40 1kW
AS/NZS60598		Class II Electrical
IP66 (IP65 ignitor box)		

Our number one solution to floodlighting general areas and sporting grounds where the control of obtrusive light is critical

- Asymmetric floodlight for 1 and 2kW lamps, incorporating an innovative design concept which takes the performance of asymmetric floodlights to the next level
- Integrated visor for total control of glare and obtrusive light (0 cd at 90°)
- Instead of having a true 'flat glass' construction, which can limit the efficiency of a floodlight, Champion's front glass is inclined inside the floodlight
- Three lamp positions, adjustable on site to provide different photometries from just one installed position
- Safe, tool-free lamp access and replacement with automatic shut-off via hinged door
- Additional accessories for increased control of obtrusive light available
- Tool-free aiming in azimuth thanks to integrated aiming sights
- Available in hot-restrike option



- Champion is designed to be installed without tilting, thereby reducing artificial sky glow, glare and intrusive light. The tilted glass inside Champion enables 88% of the emitting light to be transmitted, whilst the 'virtual' light emitting surface remains horizontal to the ground(1)
- Champion offers a variety of light distributions from one installed position. With its 3 adjustable lamp positions any aiming required to optimise uniformity can be achieved through the lamp position and not tilting (2)
- Total cut-off achieved at 75° from the perpendicular.
- The use of adjustable vertical light shields enables further control of light, in the front (usually the most critical direction) but also side and rear (3)



Accessories/Attachments

- Adjustable visor (front and sides)
- Adjustable visor (rear)
- Wire guard
- Aiming device

Materials/Finish

Body: die-cast aluminium, unpainted.

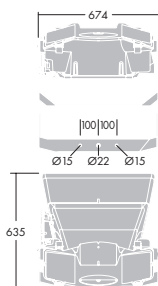
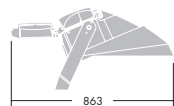
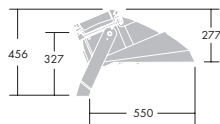
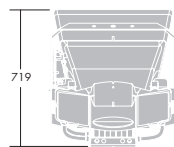
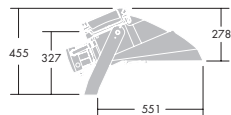
Glass: 4mm toughened.

Wiring/ignitor box: polyamide (66 V0 Black: 20% glass fibre reinforced).

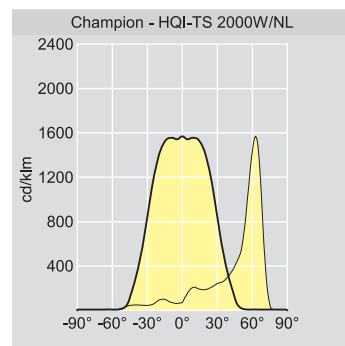
Screws: stainless steel.

Installation/Mounting

Rear access to lamp with automatic power disconnection on opening of rear access door. Tool-free installation and lamp replacement. Stirrup fixed by M20 bolt through Ø22mm hole, or through Ø15mm holes. Ballast and capacitors to be mounted separately. Cable gland for Ø7.5-13mm cable. Aiming via top (door and visor) or side (ignitor box) integrated aiming sights.



Windage: 0.19m-max.



Ordering Guide For complete fitting please order floodlight, control gear and lamp.

Description	Socket	Wt (kg)	Product SAP Code	Lamp SAP Code
Floodlight				
CHAMPION 1KW HQITSS CL2 WI	-	19.17	96261223	96031734
CHAMPION 1KW E40 HST CL2 WI	E40	19.07	96261225	96038921
CHAMPION 1KW E40 HPIT CL2 WI	E40	18.97	96261224	96011265
CHAMPION 1KW MHN-LA CL2 WI	-	19.3	96261227	96035188
CHAMPION 2KW HQITSS CL2 WI	-	19.17	96261229	96031766
CHAMPION 2KW MHN-LA CL2 WI	-	19.3	96261230	96009899
CHAMPION 2KW HQITSL CL2 WI	-	19.17	96261232	96058628
Accessories				
CHAMPION NM WG		1.05	96261969	
CHAMPION NM AJ VS FRONT		1.4	96261970	
CHAMPION NM VS REAR		0.43	96261971	
CHAMPION NM AIMING DEVICE		2.08	96262065	
Control Gear				
CG TM 1KW HPIT 240V NI FUSED			96540592	
CG TM 1KW HPIT 415V NI FUSED			96540593	
CG WP 1KW HPIT 240V NI FUSED			96540594	
CG WP 1KW HPIT 415V NI FUSED			96540595	
CG TM 1KW HST/HQI/MHNLA 240V NI FUSED			96038288	
CG TM 1KW HST/HQI/MHNLA 415V NI FUSED			96038289	
CG WP 1KW HST/HQI/MHNLA 240V NI FUSED			96038290	
CG WP 1KW HST/HQI/MHNLA 415V NI FUSED			96038291	
CG TM 2KW HQI/MBIL 415V NI FUSED			96038305	
CG WP 2KW HQI/MBIL 415V NI FUSED			96038306	
CG TM 2KW MHNLA 415V NI FUSED			96038307	
CG WP 2KW MHNLA 415V NI FUSED			96038308	

TM - Tray mount, WP - Weatherproof box, WI - With ignitor, NI - No ignitor

TABLE 2.1
RECOMMENDED MAXIMUM VALUES OF LIGHT TECHNICAL PARAMETERS
FOR THE CONTROL OF OBTRUSIVE LIGHT
(See Clause 2.7)

1	2	3	4	5
Light technical parameter	Application or calculation conditions (see also Figure 2.1 and Section 5)	Recommended maximum values		
		In commercial areas or at boundary of commercial and residential areas*	Residential areas	
			Light surrounds†	Dark surrounds‡
Illuminance in vertical plane (E_v)	<i>Pre-curfew:</i> Limits apply at relevant boundaries of nearby residential properties, in a vertical plane parallel to the relevant boundary, to a height commensurate with the height of the potentially affected dwellings. Values given are for the direct component of illuminance	25 lx	10 lx	10 lx
	<i>Curfewed hours:</i> Limits apply in the plane of the windows of habitable rooms of dwellings on nearby residential properties. In the absence of development (i.e. vacant allotment), the limits apply on the potentially affected property, in a vertical plane parallel to the relevant boundary, at the minimum setback permitted for a dwelling, to a height commensurate with land use zoning provisions. Values given are for the direct component of illuminance	4 lx	2 lx	1 lx
Luminous intensity emitted by luminaires (I)	<i>Pre-curfew:</i> Limits apply to each luminaire (irrespective of the number on a head frame) in the principal plane, for all angles at and above the control direction, when aimed in accordance with the installation design	Limits as determined from Table 2.2. Alternatively, the limits and method of assessment associated with curfewed hours may be applied, at the discretion of the designer (see Clauses 2.7.1 and 2.7.2)		
	<i>Curfewed hours:</i> Limits apply in directions where views of bright surfaces of luminaires are likely to be troublesome to residents, from positions where such views are likely to be maintained, i.e. not where momentary or short-term viewing is involved	2 500 cd	1 000 cd	500 cd
Threshold increment (TI)	Limits apply at all times where users of transport systems are subject to a reduction in the ability to see essential information. Values given are for relevant positions and viewing directions in the path of travel	20% based on adaptation luminance (\bar{L}) of 10 cd/m ²	20% based on adaptation luminance (\bar{L}) of 1 cd/m ²	20% based on adaptation luminance (\bar{L}) of 0.1 cd/m ²

* Applies to residential accommodation in commercial areas or at the boundary between commercial and residential areas. The term 'commercial' is used as a generic description for zoning which provides for urban uses other than residential.

† Where the affected property abuts roads that are lit to Category V5 or higher in accordance with AS/NZS 1158.1.1.

‡ Where the affected property abuts roads that are lit to Category B1 or lower in accordance with AS 1158.1, or where there is no lighting.

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TABLE 1
LIGHTING CRITERIA

Level of play	Maintained horizontal illuminance ^{1,2} E_{mh}	Minimum horizontal uniformities ³		Maximum glare rating GR_{max}	Minimum colour rendering index $R_{a\ min}$	Maximum uniformity gradient
		U_1	U_2			
Amateur and semi-professional level						
Ball and physical training	50	0.3	N/A	N/A	20	N/A
Club competition and match practice	100	0.5	0.3	50	65	N/A
Semi-professional competition	200	0.6	0.4	50	65 ⁴	N/A
Professional level						
Ball and physical training	100	0.5	0.3	50	20	N/A
Match practice	200	0.6	0.4	50	65	N/A
Professional competition	500	0.7	0.5	50	65 ⁴	20% per 5m

1 For the height above the playing surface at which the illuminance is to be measured, refer to Clause 6.3.1.

2 Values of illuminance measured at the time of commissioning an installation (ie: initial or close to) should be higher than the maintained illuminance values (see Clause 6.2)

3 Being ratios, U_1 and U_2 can be calculated with equal accuracy by using either all initial or all maintained values.

4 If future upgrading to a level suitable for television broadcasting is intended or likely, the selection of light sources with $R_a \geq 90$ should be considered.

NOTE: The above values are chosen to be adequate to provide for the safety of the participants and the level of visual tasks anticipated. Factors such as large crowds (e.g. ≥ 10000) with consequent longer viewing distances, might require higher values to be chosen than initially indicated above.

7 UNIFORMITY OF ILLUMINANCE

7.1 General

As the participants are required to observe the football well above the PPA, the distribution of light across the space above the PPA needs to be reasonably uniform as large variations in illuminance across this space will cause apparent uneven flight of the ball and hence poor judgement by the participants.

This Standard specifies requirements for the uniformity of horizontal illuminance of the PPA only. It sets no requirements for the uniformity of vertical illuminance at any height, however this parameter can be addressed by considering items (a), (b) and (c) of Clause 6.1.

7.2 Determination requirements

Except where specifically stated otherwise in this Standard, determination (by calculation or measurement) of horizontal illuminance uniformity shall be made in accordance with the relevant sections of AS 2560.1.

LIGHTING CRITERIA FOR OUTDOOR CRICKET

Lighting Criteria for Non-televised Matches

HORIZONTAL ILLUMINANCE (MAINTAINED)*						
CLASS	SQUARE			OUTFIELD		
	AVERAGE LUX	UNIFORMITIES		AVERAGE LUX	UNIFORMITIES	
		Emin/Eave, U1	Emin/Emax, U2		Emin/Eave, U1	Emin/Emax, U2
I	750	0.7	0.5	500	0.5	0.4
II	500	0.7	0.5	300	0.5	0.4
III	300	0.5	0.5	200	0.3	0.3
MINIMUM COLOUR RENDERING, RA8			MAXIMUM UNIFORMITY GRADIENT, UG		MAXIMUM GLARE RATING, GR	
>65; preferable** >90			20% per 5m		50†	

* Values of illuminance measured at the time of commissioning an installation (i.e. "day one") should be greater than the maintained illuminance values shown above – see maintenance clause. A nominal maintenance factor of 0.8 is recommended, the initial values will therefore be 1.25 times the values shown in the tables.

** If future upgrading to a level suitable for television broadcasting is intended or likely; the selection of light sources with CRI Ra≥90 should be considered.

† GR should be ≤40 for each batsman in direction of view towards the opposite wicket.

Source: IESANZ Lighting Guide for Outdoor Cricket LG - 4.01 : Table 1

Lighting Criteria for Cricket Training and Match Practice

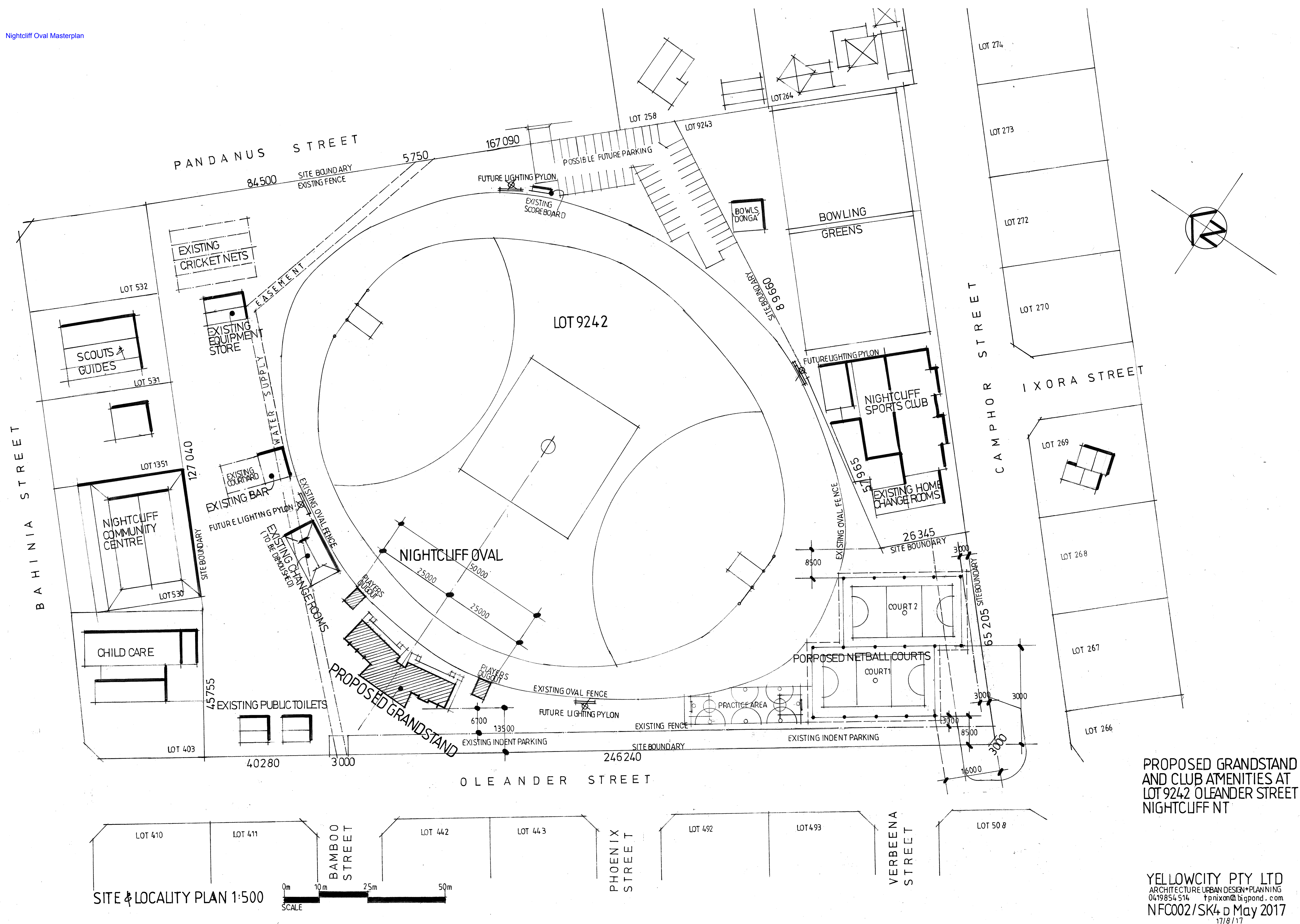
LEVEL OF PLAY	AVERAGE HORIZONTAL ILLUMINANCE (MAINTAINED), LUX	UNIFORMITIES		MINIMUM COLOUR RENDERING, Ra8	MINIMUM GLARE RATING, GR
		Emin/Eave, U1	Emin/Emax, U2		
Match practice	200	0.6	0.4	65	50
Non-body contact training*	100	0.5	0.3	65	50

* Ball training and physical training: non-body contact only.

Source: IESANZ Lighting Guide for Outdoor Cricket LG - 4.01 : Table 3.



Refer to IESANZ Lighting Guide for Outdoor Cricket LG - 4.01 for guidance for International and Domestic / First Class matches which are likely to involve cricket at the professional level and cater for televised matches.



Nightcliff Oval Lights

Nightcliff Sports Club has presented a proposal to City of Darwin to install lights at Nightcliff Oval.

Nightcliff Oval is positioned in the heart of Nightcliff, on the corner of Camphor St and Oleander St. It is home to several sporting clubs with the main users being Nightcliff Football Club in the Wet Season and Nightcliff Cricket Club in the Dry Season. Consisting of a change room facility, cricket nets, scoreboard and grassed oval, the facility is an important part of Darwin's sporting landscape and is one of 17 public sports reserves provided by City of Darwin.

City of Darwin wants to hear your views on the proposal.



FEEDBACK CLOSES
9 March 2018

Factsheet

Nightcliff Oval Lights

The Proposal

The installation of lights would include four light poles to achieve a maximum brightness of 200 lux in the centre of the oval.

The lights will have a control system to switch them to the required lux level, for example it would be switched to only 100 lux for training.

To find out what 200 lux lighting looks like you can go to Larrakia Park Football Stadium (Abala Rd, Marrara) which has 200 lux lighting installed on the pitch closest to Henry Wrigley Drive.

For more information on the design including a concept lighting design go to engage.darwin.nt.gov.au

Hours of Use

As the main users of the oval, Nightcliff Football Club and Nightcliff Cricket Club have indicated the following times that the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 - 9pm*	100 lux (training)
Tuesday	6 - 9pm	100 lux (training)
Wednesday	6 - 9pm	100 lux (training)
Thursday	6 - 9pm	100 lux (training)
Friday	6 - 9.30pm	200 lux (Wet Season football game)
Saturday	6 - 9.30pm	200 lux (Wet Season football game)
Sunday	Occasional use**	

*It is expected that from Monday to Thursday the lights will often be off by 8pm, however this table indicates the latest possible time that the lights will be used.

**There may be an occasional junior twilight match, with lights used until 8pm at the latest.

Why are lights needed?

Darwin needs more room to grow local sports and the absence of lights on sports ovals restricts the amount of time they can be used for training and matches. There are limited opportunities for new open space areas to be created and as a result we need to investigate opportunities to better utilise our current fields.

Darwin's climate also presents challenges to our sports players with heat related illness an issue, especially in the Wet Season. Lighting Nightcliff Oval will open the facility to night training and games, provide the opportunity to grow local sports and allow play to occur in cooler, safer and more enjoyable conditions.

How will it be funded?

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the Urban and Regional Oval Lights Program. These funds will be used to pay for the lights at Nightcliff Oval should the project proceed.

What happens next?

At the end of the consultation period, a report will be presented to Council which will be available to the public. After considering the consultation report, Council will decide whether it supports the proposal to light Nightcliff Oval.

Your City Your Say

We want to hear your views to help inform a decision on the proposal.

Find out more information and complete the survey at engage.darwin.nt.gov.au

Email: engage@darwin.nt.gov.au

Phone: Sheree on 8930 0197

Community Stalls: Drop in and we will provide information and answer any questions you may have:

•Saturday 17 February 2pm – 5pm
Nightcliff Oval

•Sunday 25 February 4pm Bagot Oval

•Sunday 4 March 8am – 12noon
Nightcliff Markets

•Wednesday 7 March 11am – 2pm
Smith St Mall

FREQUENTLY ASKED QUESTIONS

What is the proposal?

The proposal is to install lights at Nightcliff Oval on the corner of Camphor St and Oleander St in Nightcliff. The proposal includes the installation of four light poles to achieve a maximum brightness of 200 lux in the centre of the oval. The poles would be 32m high and fabricated from steel. The recommended system utilises metal halide luminaires. There will be 48 luminaires per pole, each with a glare shield and rear visor to prevent unwanted light spill to surrounding areas. The lights will have a control system so that they can be switched to the required lux level, for example they will be switch to 100lux for training.

Why are lights needed?

More people are playing Aussie Rules football than ever before, with the Territory recording 42,196 participants in 2016. More than 13,000 women now play AFL across the Territory, that's a year-on year increase of 23%. Junior participation is also growing, with 7,134 kids playing football in 2016. Cricket tells a similar story, with 27,100 players in 2016 – up a massive 194% from 9,221 in 2009. Current facilities are not able to cope with this growth in their current form. The absence of lights on sports ovals restricts the amount of time they can be used for training and matches. There are limited opportunities for new open space areas to be created and as a result we need to investigate opportunities to better utilise our current fields. Darwin needs more room to grow local sports and this can be achieved by lighting existing facilities. Darwin's climate also presents challenges to our sports players with heat related illness an issue. Lighting Nightcliff Oval will open the facility to night training and games, provide the opportunity to grow local sports and allow play to occur in cooler, safer and more enjoyable conditions. Lights could also provide an opportunity for other non-sport related community events to be held at Nightcliff Oval.

How often will the lights be used?

As the main users of the oval, Nightcliff Football Club and Nightcliff Cricket Club have indicated the following times the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 – 9pm*	100LUX (training)
Tuesday	6 – 9pm	100LUX (training)
Wednesday	6 – 9pm	100LUX (training)
Thursday	6 – 9pm	100LUX (training)
Friday	6 – 9.30pm	200LUX (Wet Season football game)
Saturday	6 – 9.30pm	200 LUX (Wet Season football game)
Sunday	Occasional Use**	

*It is expected that from Monday to Thursday the lights will often be off by 8pm, however this table indicates the latest possible time that the lights will be used. **There may be an occasional junior twilight match, with lights used until 8pm at the latest.

How will Council make sure the lights aren't used past the indicated times?

The times indicated above will become part of the Seasonal Oval Allocations Agreement with the sports clubs. All clubs must adhere to the Agreement to be able to use Council facilities.

What will the lit oval look like?

The lighting design carefully considers impacts on surrounding residential areas. The proposed light fittings include a glare shield and rear visor to prevent unwanted light spill and comply with Australian Standards AS4282 – Control of the Obtrusive Effects of Outdoor Lighting.

Are there any similar lights in Darwin to look at to compare?

Malak Oval (Malak Crescent, Malak) has 100 lux lighting installed with metal halide luminaires and the poles are 28m high. Larrakia Park (Abala Rd, Marrara) has 200 lux lighting with metal halide luminaires, the poles are 22m high.

How will it be funded?

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the Urban and Regional Oval Lights Program. These funds will pay for the lights at Nightcliff Oval should the project proceed.

Who will pay for the operational costs of the lights?

A user pays control system would be installed near the clubhouse. This system will allow the users to switch the lights to the required lux level.

Who will pay for the ongoing maintenance of the lights?

City of Darwin will own the lights and will pay the ongoing maintenance costs.

Why have these ovals been chosen rather than others in Darwin?

Council developed the Sports Field Plan 2016-2026 to guide the future use, development and management of sporting fields and ovals. Sports field lighting was identified as a key infrastructure item to play an increasingly important role in accommodating additional uses, managing allocations and maximising participation opportunities. The Sports Field Plan categorises Council's ovals into Regional, District and Local level ovals. The category based management system defines facility maintenance, service levels and infrastructure development. Council's only Regional level oval is Gardens Oval 1; this facility has been built and maintained at a premier standard for competition and training. A lighting proposal for this oval is currently being developed. In order to maximise the capital investment required to light sporting fields, there is a strong case to prioritise District level fields due to their higher use, the variety of sports they accommodate and their ability to host both training and competition use. When considering other District venues, Malak Oval already has lighting installed, and Kahlin Oval is used exclusively for cricket predominately in the Dry Season. Therefore, Bagot and Nightcliff ovals are preferential for consideration given both their geographic distribution and variety of use.

Does this proposal result in any impacts to traffic and parking?

It is not expected that night training will impact on parking around the ground. There is sufficient car parking to cater for all people attending training sessions. Night games will attract larger crowds, which are expected to be a similar size crowd to the attendance at normal weekend games at the moment.

Will it attract more people to the local area resulting in noise, rubbish and anti-social behaviour issues?

There is not expected to be a lot of change to the area on nights when training is on. There will be more people in the area when night games are on. City of Darwin Seasonal Oval Allocations Agreement provides conditions of use which clubs must adhere to. It has the following key points:

- Facilities will only be allocated to clubs with sound governance structures; open membership for men, women and juniors; elected committees and a demonstrated commitment to social responsibility.
- Bookings may not be shared without the express written prior approval of Council.
- Failure to comply with any of these terms may jeopardise the Hirer's current (and/or future) booking/s.
- Any costs incurred by Council as a result of non-compliance will be recovered from the Hirer.
- Any Clubs intending to sell alcohol are required to seek permission from Council and hold a current Liquor Licence, issued by the Director-General.
- Council will require a Level 2 Good Sports accreditation for all special continuing liquor licences from 2018.

- Organisations are required to collect and remove from the venue all litter introduced onto the oval and/or its surrounding areas and facilities at the end of each training or competition session.
- If the facility is left in an untidy state or condition to the determination of a Council Officer, cleaning charges and an administration fee will apply, as set out in Council's Schedule of Fees and Charges.
 - City of Darwin will work with the Clubs to ensure these conditions are adhered to.

What is lux?

The term lux is the typical measurement of illuminance used in various Australian Standards and Building Codes to determine the light levels for different areas and uses. As a comparison, office lighting is generally between 350 to 400lux.

Who makes the decision about whether the lights can be installed at Nightcliff Oval?

As a Council-owned facility, City of Darwin is responsible for deciding whether to approve the proposal and proceed with a development application.

What happens next?

A report will be presented to Council following the consultation which will outline the feedback received, and this will be made publicly available. The consultation outcomes will assist Council in making a decision on whether to approve the proposal to light Nightcliff Oval.

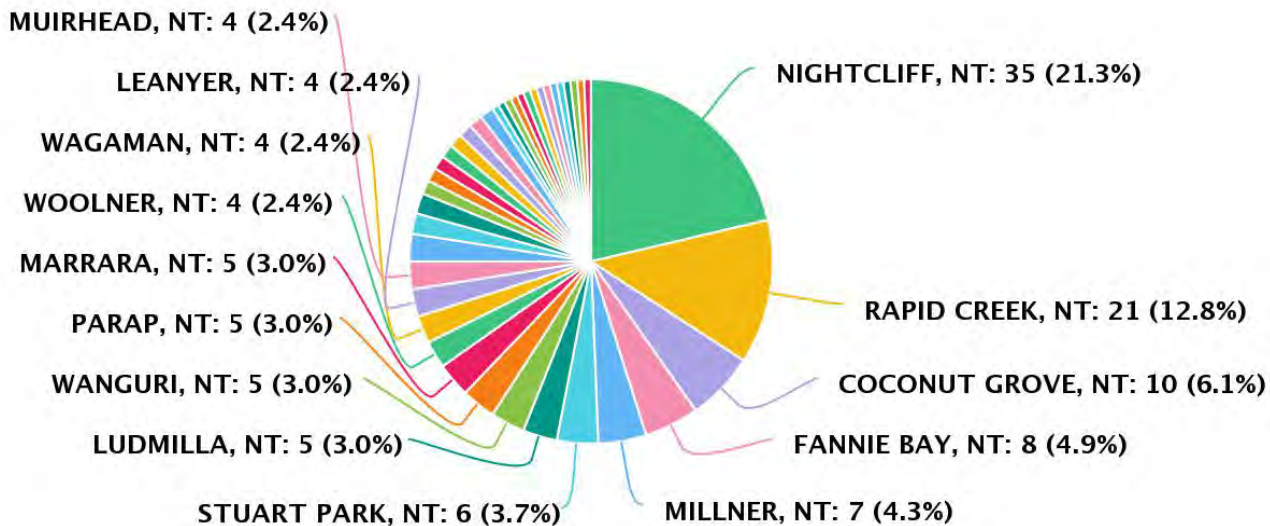
What is happening with the proposal to light Gardens Oval 1?

Following community consultation Council provided in principle support for the lighting proposal to enable AFL NT and NT Cricket to develop detailed design, documentation and cost estimates. Council endorsed that the key concerns of the community as identified in the Council Report be taken into consideration in the planning and design process. A further report will be presented to Council to provide the detailed design, documentation and cost.

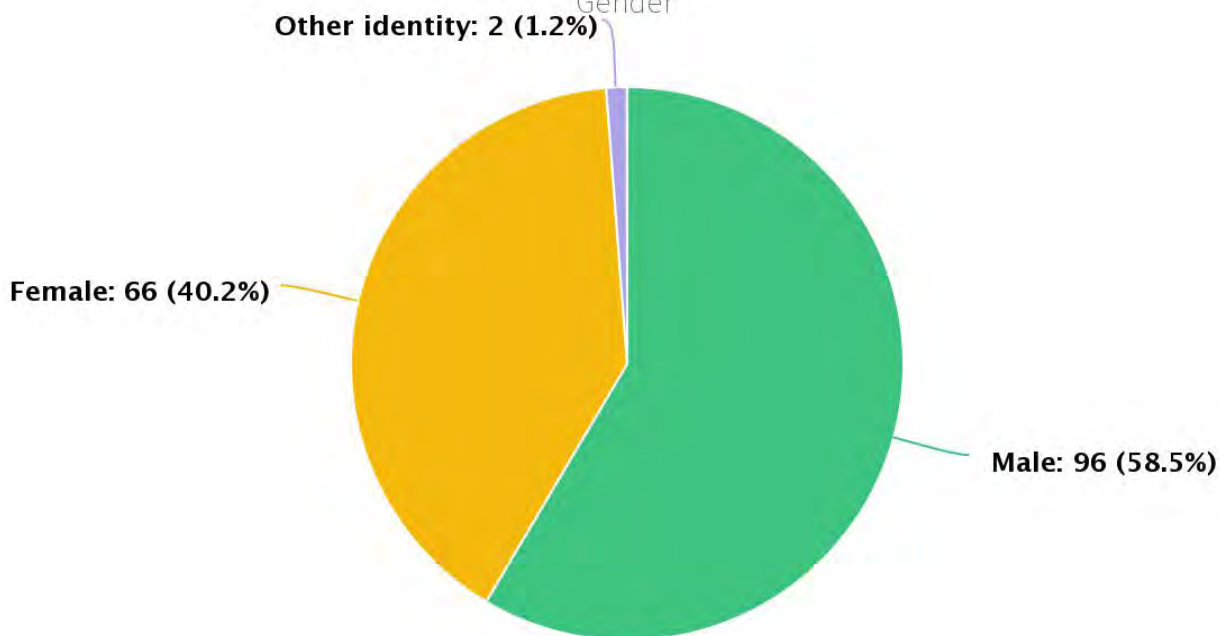
FULL SURVEY RESULTS

Nightcliff Oval Lights

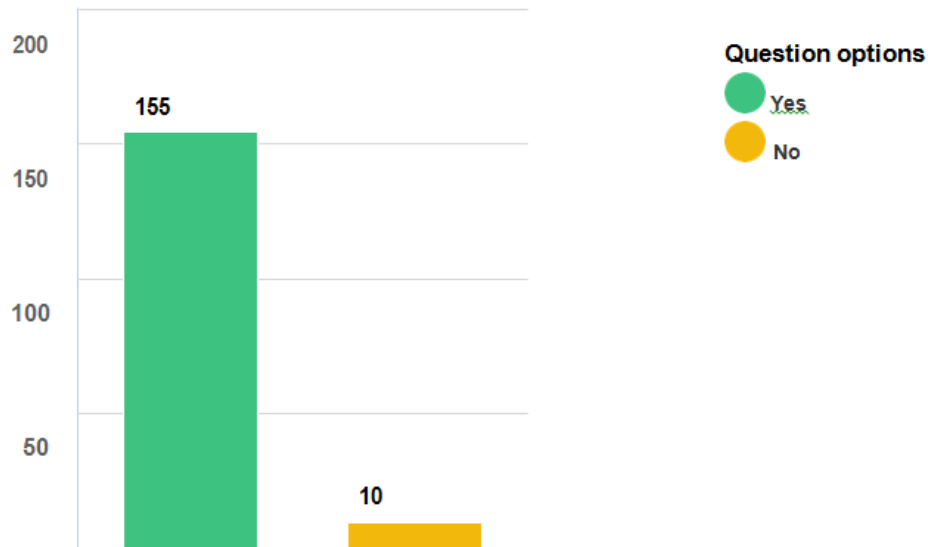
Suburb



Gender

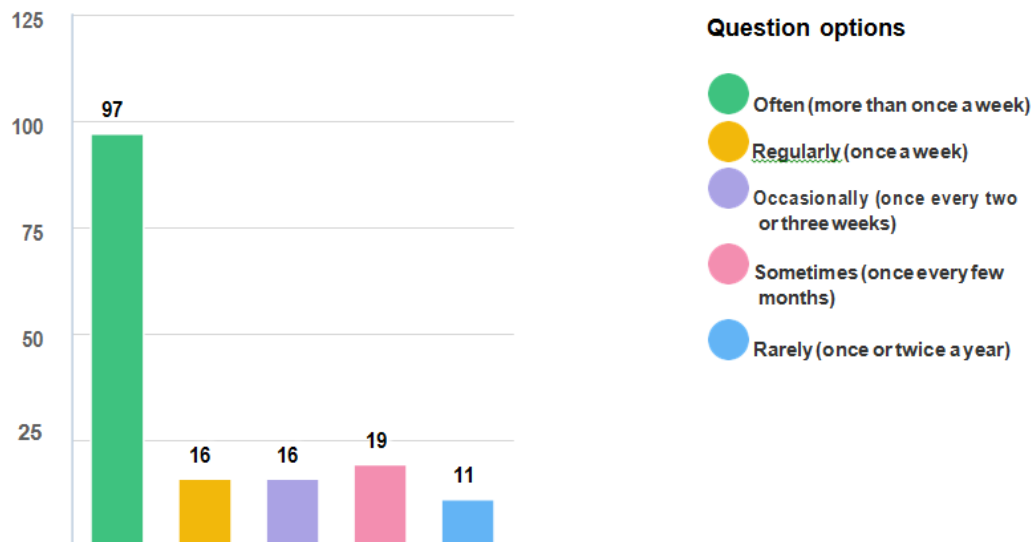


Q1. Do you (or your family) use or visit Nightcliff Oval?



Q1. Do you (or your family) use or visit Nightcliff Oval?		
Yes	155	94%
No	10	6%

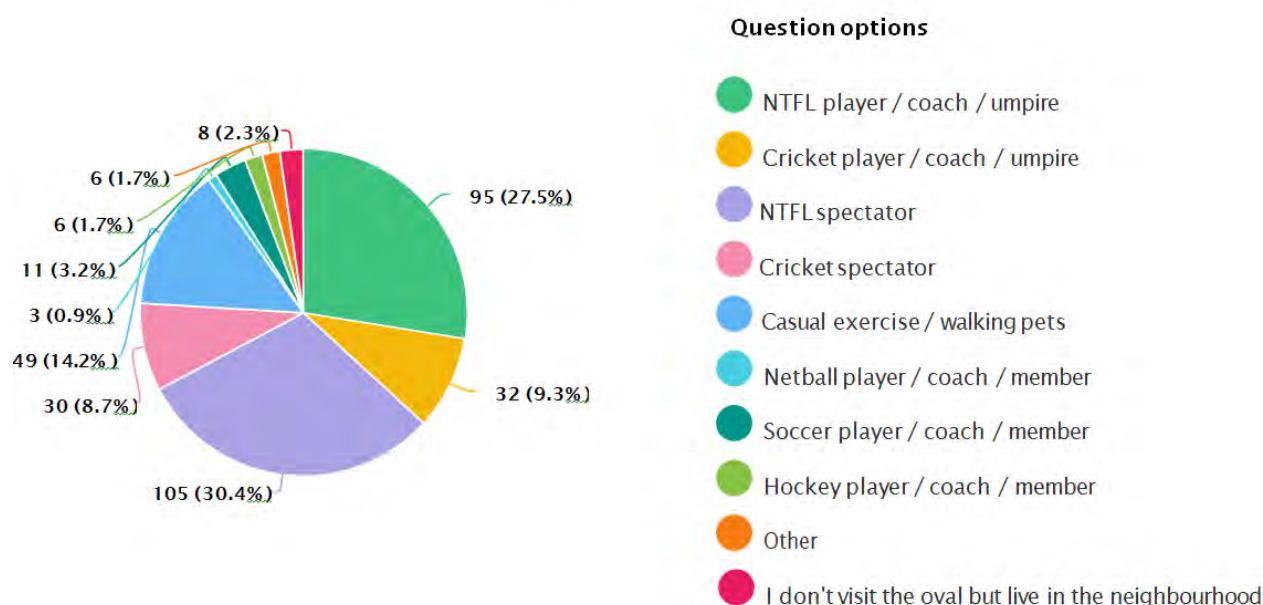
Q2. If you (or your family) use or visit Nightcliff Oval, how often do you?



Q2. If you (or your family) use or visit Nightcliff Oval, how often do you?		
Often more than once a week	97	61%
Regularly once a week	16	10%
Occasionally once every two or three weeks	16	10%

Sometimes once every few months	19	12%
Rarely once or twice a year	11	7%

Q3. Why do you (or your family) use or visit Nightcliff Oval?



Q3. Why do you (or your family) use or visit Nightcliff Oval?		
NTFL player / coach / umpire	95	57%
Cricket player / coach / umpire	32	19%
NTFL spectator	105	64%
Cricket spectator	30	18%
Casual exercise / walking pets	49	30%
Netball player / coach / member	3	2%
Soccer player / coach / member	11	7%
Hockey player / coach / member	6	4%
I dont visit the oval but I live in the local neighbourhood	8	5%
Other	6	4%
Please provide more information	I visit Nightcliff regularly	
	For social outings	
	Sports trainer	
	Son possibly to play next NTFL season with Nightcliff Football Club	
	Bowls	

Q4 What do you currently like about Nightcliff Oval?

Location is convenient, central location in Nightcliff
Great facility and being fenced allows it to benefit the Nightcliff Sports Club which is a good community facility.
Location, sports club facility, public space with organised sport as well.
It's the only active suburban ground in Darwin.
Not much stands out.
Nightcliff Oval has the potential to be utilised beyond its current use. The oval is located at a family and community orientation multi-purpose sports club. It's used by a large array of community members, organisations and sporting clubs.
close to where I am
It's a great location. Is well maintained. Good spot to play numerous sports surrounded by great facilities.
The location is great and it's great for football with both ladies and mates football as well as children's football and cricket
Great location and great clubs attached
It's my second home, the facility is great
My local lived and grown up here since 1983
Close to where I live; good facilities
The incredible location and opportunity I get to train and play football for Nightcliff football club
Good location with generally good playing surfaces.
It's a well kept oval
Close to home
It's a great oval and has great facilities! Lights would crop that off
Community hub
Its grass is green
Good size. Great to play sport on and also take the dog to.
Great venue beautiful breeze during games
It is very well maintained to an exceptional standard. It is a perfect sized oval. It is home of the Nightcliff Tigers
Shade, cool and convenient
Good shade trees. Open to whole community
It is a great oval which is well maintained. It gets a great afternoon ocean breeze. An excellent place to play sport.
It is modernizing. The sea breeze is unique to this ground for playing cricket.
Suburban feel. Lots of trees
Nightcliff Oval has been a part of my life since 1981 and part of my family's life since early 2000. We have enjoyed the fact that the oval is in a suburb that the community gets involved in and with lights there would be more community usage
The location and the local facilities available.
It is a nice clean oval
Great oval with good facilities
Breaks up the housing and provides green area and essential for sporting events
Great suburban Oval in a nice part of town
Good place to play footy.
I use the oval to exercise a couple of days per week
Great facility for the community

Well used space and strong community use
pleasant open atmosphere for all to enjoy the oval and surrounds. Easy parking when events are held.
Good local footy oval
Nightcliff sports club and footy training and matches
Good location beautiful surroundings close to the beach and good people in the area
Location and facilities
It's part of our community, better to watch footy with community rather than at TIO, shade trees, it's our community hub (town centre is dirty)
Local. Nice grass. Nightcliff tigers. Nice trees/shade. Fox sports games
It is close to my parents place and is close to our hockey teams sporting club. Oval allows us to train as a hockey club twice a week as a club rather than being at the turf which can be quite disjointed from a club perspective
Trees
It's a good ground to play football on.
It is a great oval. Built by the community and needs to be more utilised
Great suburban sporting facility - used by multiple sporting and social groups.
Green spaces, Nice park for kids
I like the fact that it is in a central area in the Nightcliff community and it is well used by different groups. I also love the open space it provides.
Good location
It's a beautiful space where I enjoy recreating.
Best oval in Darwin to be a spectator or player
A community oval in the suburbs.
Convenient location excellent maintenance of the playing surface
a well maintained central community facility
I love this green space. It is very relaxing to take a chair and just sit there. Lovely atmosphere. Son plays for Nightcliff Tigers and he often goes to watch others play. Also visits the cricket nets with mates.
community use. I drive past and see people doing things, it's good!!
The feeling of a well set up club and well maintained facility in the suburbs
Close to home
The facilities, oval and bar
Well looked after oval. It's a good ground to play footy on and it's close to the bar.
excellent location, lovely atmosphere, great football club
it is a beautifully maintained sporting oval. it caters for a range of sports. It is situated in a central position in Nightcliff and caters for sportspeople north of Darwin.
accessibility, community feel, local facility
Suburban football
Good oval. Great location.
Its location and that it is an alternate venue to play, coach and spectate.
central location
The oval setting with the trees surrounding the oval
Great suburban oval ready to be brought into the 21st century
Proximity to home, ease of walking pets, good grass, shaded spectator viewing area
Trees
It's community feel; the way it has multiple uses from the football and cricket teams, matches and

training to casual walkers etc.
Such a well kept ground and great to train all types of physical activity on
Great oval used by a great club
That it's a good environment and it's good to play on
The location it's in. Great people involved through out
great facility
That it is a original oval with a lot of history that needs an upgrade
It's family friendly
Feels safe, is clean and lots of people use it and you make new friends
Playing afl with the nightcliff football club
Large open space and good surface
good venue for families, good oval
Oval surface & surrounds, facilities, parking
It is a community oval and supports the locals
The community spirit
Friendly club, shade, easy parking, space
great open space, location, easy access, sports club supports affiliates, field is well maintained,
Quality of the oval the clubs that use the oval family friendly
Is a real suburban oval where you can get up close to the action. Is also a fantastic playing surface
Home ground, love everything!
Family safe place
Its a central hub of Nightcliff, always filled with sports and activity. Great social asset for Nightcliff suburb.
Good facilities
The great level of activity by a variety of sports and the local suburban feel.
Home for a number of sporting clubs. Great family friendly club that has fantatsic facilities.
1. Local. Accessible. 2.The changerooms and canteen on the nth-west side of the oval provides a pleasant and family friendly place to watch cricket with the afternoon sun behind you. 3. Council workers are approachable and respond to maintenance needs.
Community boutique oval
Has a great community feel and is walking distance from home. Nice shade too.
Space for community activity
great community oval easy access
It's looked after well
close and easy access
Accessibility, recent investment in shelter, playground and facilities, diversity of sports supported.
accessibility, friendly, great spot
Shade trees, play area, pleasant areas to sit and watch sports and training, family friendly, canteen, new cricket nets
Great place for all ages, always have had great time there. Great community vibes.
Nice and green great football club
It is a very good place for my son to play cricket and train. It is a great asset to our community
Convenient to the club rooms and a good surface
Accessibility
An open and big space for the boys to run and play

Great atmosphere. Ease of access.
Openness and location
Best oval surface in town Closeness to my home available open space
Playing surface and surrounds are the best in town
Best surface and surrounds of available venues.
Provides a playing field for my children to participate in AFL
good facilities, close to home, welcoming environment
Very well maintained and the people associated with oval
Great location and club
The football club and atmosphere. Good playing surface
It is close and available to use
Well maintained oval surface, trees and shade around the perimeter for spectator comfort
Close to home. Training ground and for games
Green space, used for training for local cricket and football teams
Football training
Fantastic local facility. Was one of the factor I recent purchased a property for me and my family in Nightcliff
A fantastic community facility .. My son took his first steps there and now plays and trains cricket and my daughter and I walk our pugs there nightly.
Great training oval and place to do your own fitness. Love watching local AFL games there.
Fantastic Facility - great location used by numerous sporting codes. Anything that promotes greater community engagement and activities across Darwin should be supported 100%.
Great community oval in the middle of Nightcliff, Love there is multiple sports at this area footy, cricket , bowls, playgrounds walking distance to shops good public club in grounds
Suburban oval with park....good outfield and good sized oval
Big ground and well looked after great for games and training
The office is well kept and cricket do a great job with this, as a hockey person we work in with cricket to share the oval during our sports seasons.
Ground is in good condition, cricket nets are good. Plenty of space for fitness work.
I like the trees and the openness to the public
Great sports ground
The oval is well maintained and it's where my club trains
Accessable to the community
The grounds are well kept and always green, the parking is easy, the kids can ride their bikes there as it just around the corner from home.
Pleasant open space in my immediate neighbourhood

Q5 What don't you currently like about Nightcliff Oval?

Seems to be underutilised
No lights...
Other than recent addition of perimeter fence and cricket nets, the overall facilities are poor for the clubs using the ground and the spectators when compared to other grounds and sports facilities in Darwin
Nil
Poor change room facilities, not a good place to view sport.
No lights - unable to use after the sun goes down
It doesnt have lights

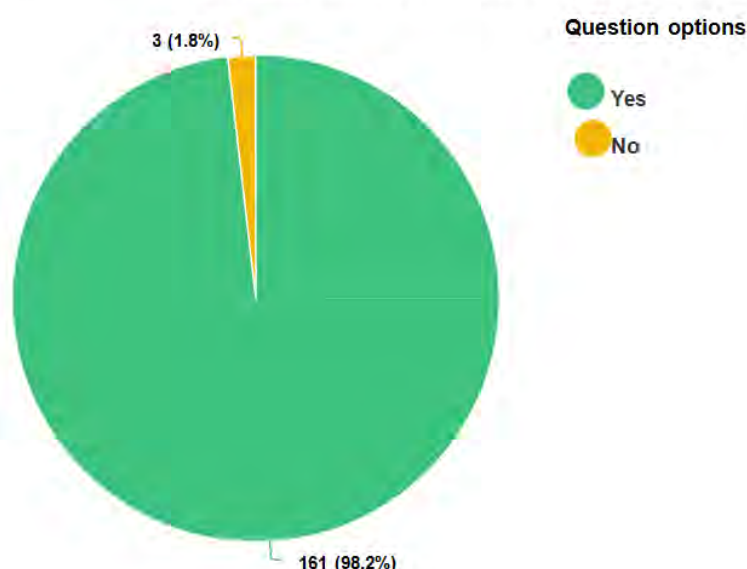
How limited we are with training and games as there is no lighting what so ever
No lights
Our limited time to train due to lighting
Limited training due to light restrictions
Lack of seating
The fact that the oval cannot be utilised after the sun goes down for sporting clubs to continue training
Lack of parking, particularly on football games. Outdated cricket/football away change rooms. Lack of lights.
More car parking
The lack of amenity for families at the affiliated Nightcliff Sport Club
It has no lights , which makes admiring the green grass hard
No lights. By the time people finish work and get to training for football or cricket, its such a short training session due to being no lighting.
Well kept and location
No lights
Lack of use after hours
No lights. Not much ch seating
The seating around the ground needs to be improved as does the canteen and changerooms.
The change rooms and off field facilities are a massive detraction.
Car parking
Quality of toilets and bubler located at the training nets.
Doesn't have lights so can't have night games or later training
The changing facilities are poor and the kiosk is also aged and not very well presented.
Not enough seating.
No parking within the grounds. Should have 4 changing rooms
I like to watch football training and witness the frustration of having to finish training when the sun goes down.
Training facilities inadequate for large number of stakeholders. Forces training elsewhere, which is a problem for parents when supervising children. Matches played in midday heat. Duty of care to players/officials to avoid sun and risk of melanoma
Have to drive carefully on game days to avoid traffic
lack of upgraded facilities such as better grand stands, score boards and canteen area
Not enough protection from the daily heat
Nothing visitors change rooms need upgraded before lights they are a dicgrace
Nothin
No lights!
No lights, no netball court, poor change room facilities, limited room for additional green space, insufficient spectator seating
Pokies. Smoking
parking can be a little bit limited at times on major game/function days
Mud
It can't be used as much as it should due to no lights. It would make the early games on Saturday and Sunday a unnecessary thing.
No lights cannot fully utilise the facility
It need lights... and a few more spectator stands/seating (under shade)
I have not problems with Nightcliff Oval

When games are on parked cars can make traffic congested in surrounding streets
That we cant use it into the evening,
That you cant bring your car in around the oval like the old days
The facilities and the fence.
No lights, old scoreboard stand
No shaded/protected spectator stands during hot games. Mo lights to allow for twilight games
Too exposed & hot, particularly for junior age footy (players & spectators). Further tree planting/shade shelters (both sides of the oval) would be great, lights to enable a shift of the junior games to a sensible time (twilight mid week etc) better
Nothing I don't like
I think that the perimeter of the space could be better managed
Too hot during the build up
Training without lights in the hot sun
It gets very hot trying to play footy in the afternoons there.
lack of facilities
It would have to be lighting. With AFL I am a coach of an Under 16 side - we often play as early as 7:30 or in the sun at 1:00 Lights
price of entry to games
Lack of seating
Lack of lights. Lack of a second oval.
no lights
not enough seating for spectators especially since the fencing was put around the oval
Change rooms and toilet facilities.
New fence obstructs view of sporting events when sitting in a deck chair
No lights & family friendly interior facility
That it can only be used until sun down
No lights
That there are no lights
No lights can't train for any longer then a hour really
no lights
That there is no lights
It doesn't have lights
find it very hot when spectating at football and cricket
Can't have a night game due to no lights
Not enough room for all teams to train on and gets hot during the day
not enough benches to sit on when watching afl.
Lack of lighting
Can't use after dark for any purpose .Some games are better to play at evenings which is cooler than in a middle of the day with 36 degrees heat and humid
No lights
Muddy near cricket nets, no lights
facilities need to be improved, lighting for all sports would increase usage and foster greater community events,
Could do with more seating spread around the ground instead of having to take your own
Lack of nighttime lighting which would allow better sharing of grounds across men and women's leagues training.

Unable to fit 12-13 teams to train and play. Plus understanding other codes use the oval in NTFL off season.
Nothing.
Ground requires more maintenance
Facilities for players and spectators are poor and it would be great to watch night games of Aussie rules.
Some of the trees around the oval impede your vision.
1. Upgraded facilities and viewing platforms will further enhance this Nth-W area. 2. Itinerant activity at night result in needles, condoms and break-ins to the canteen. A caretaker is urgently needed who could lock and unlock access to the oval at night
Name
not enough seating for sports and no lights
No lights
It is a favourite haunt for itinerants, prostitutes and drug users. Break-ins happen frequently, hazardous waste left. On-site caretaker urgently needed. Lock it at night!
Would love some night time games and training times. Would work out great for families with kids.
Too many itinerants loitering around, drinking alcohol and causing a nuisance
No lights makes the oval crowded at training
Not enough shade
Increased traffic on our street when big events on
Hot and limited shade for spectators during the day. The oval is under used due to being limited to daytime use. Most people work during the day and it's hot to train during the day. Community can get more use during the evening.
Has no lights!
Overcrowded for training purposes
The lack of lighting means that all games need to be played through daylight hours which is very hot for youngsters
Overcrowding and a lack of seating and good lighting
No lights to enable more teams to participate in training and games at night when there is less heat
needs lights
very few places to sit and watch participants and no lighting
Ground condition, lack of spectator stands (undercover) and lighting
Not available at night making it hard for all Ntfl teams to train during the week, as they're don't all fit
Old change rooms and no lights
We are woman team training with three other men teams beforehand it gets so dark. There's not enough space most of the time.
Anti social behaviour, traffic issues on football home game days
The woman only get to train on the oval Thursdays. On Tuesdays we are on an oval that is also a track so the girls are constantly rolling ankles on it. On Thursdays we are kicked off the oval by 6:30 so the men can train.
No lights
No lights for night time games/training. Why should our juniors have to play football in the extreme wet season heat, at 12:30pm and get sunburnt and possible future skin cancer when games could be played at night. Rugby union juniors only play at night.
Tired, dated buildings and surrounds. Buildings around the oval can be problematic with anti social behaviour. Requires to be developed to a standard similar to other regional sporting areas like Townsville and Cairns.
no lights
Nil

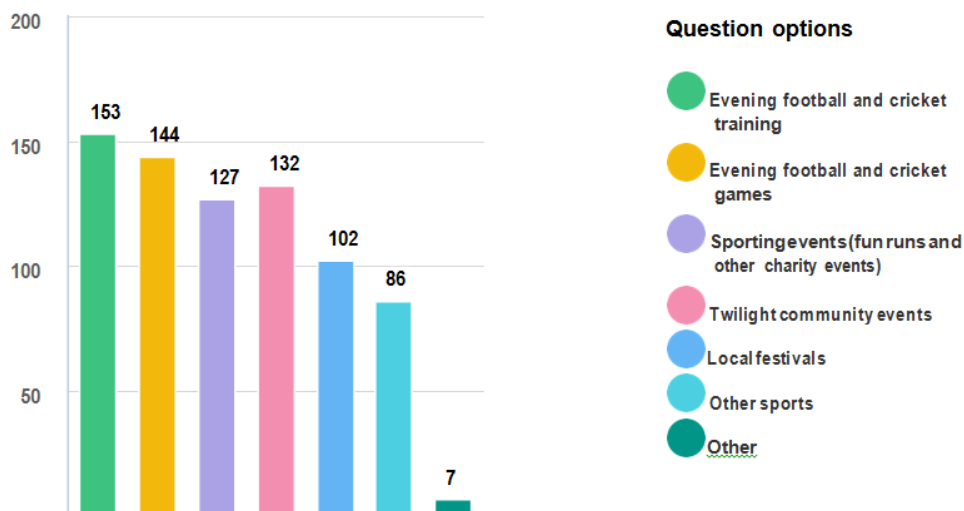
it has limited lighting
Change rooms, lighting
Facilities, close proximity to where I live
That there is no lights
There are no lights which limits its use
We have 13 teams and find it extremely hard to train all the teams. As the senior players work they have limited time to train and lights would be extremely beneficial to our training and training times.
needs a grandstand
The toilets are not the nicest, need more water bubblers in various spots around the oval, can get crowded with different groups training at same time, it gets pretty hot for players of midday games
Inconsiderate spectators who obstruct my driveway with their parked vehicles

Q6. The main users of Nightcliff Oval is currently Aussie Rules in the Wet Season and cricket clubs in the Dry Season, during daylight hours. Installation of lights would provide an opportunity for greater use of Nightcliff Oval. Would you like to see the use of Nightcliff Oval extended beyond its current use?



Q6. The main users of Nightcliff Oval is currently Aussie Rules in the Wet Season and cricket clubs in the Dry Season, during daylight hours. Installation of lights would provide an opportunity for greater use of Nightcliff Oval. Would you like to see the use of Nightcliff Oval extended beyond its current use?		
Yes	161	98%
No	3	2%

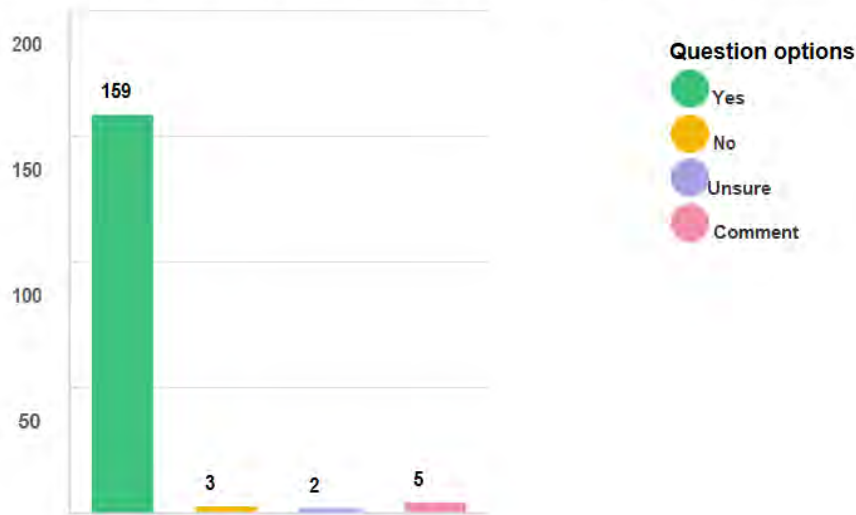
Q7. If you answered yes to the use of Nightcliff Oval being extended, what type of activities would you like to see?



Q7. If you answered yes to the use of Nightcliff Oval being extended, what type of activities would you like to see?		
Evening football and cricket training	153	93%
Evening football and cricket games	144	87%
Sporting events fun runs and other charity events	127	77%
Twilight community events	132	80%
Local festivals	102	62%
Other sports	86	52%
Other	7	4%
What other activities would you like to see?	I support all/any type of community events.	
	any twilight community event that respects the surrounding neighbours and retains a healthy oval surface	
	Basically what is being proposed now. I'm not averse to the other activities but I think they need to be handled one by one rather than me ticking the box looking like I am giving carte blanche to everyone straight away.	
	Other events for charities	
	softball	

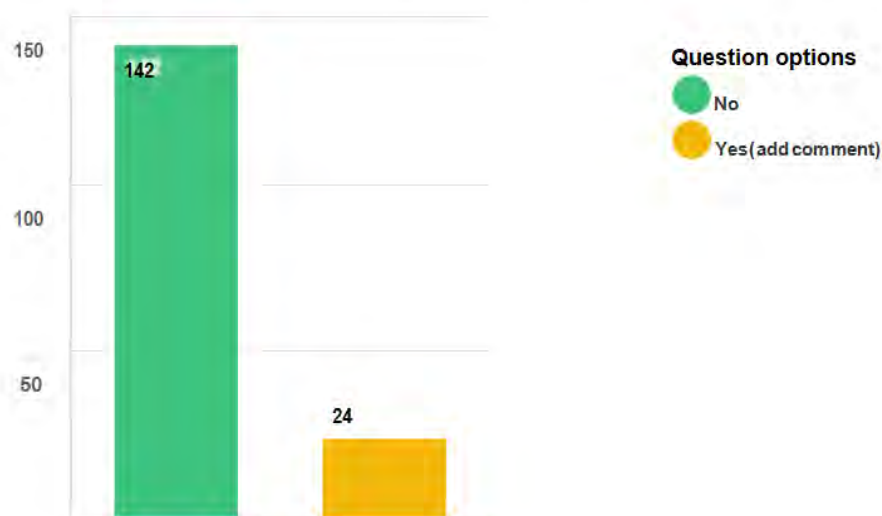
Q8. Installing lights at Nightcliff Oval would allow the facility to be used in the evening.

Do you support the installation of lights at Nightcliff Oval?



Q8. Installing lights at Nightcliff Oval would allow the facility to be used in the evening. Do you support the installation of lights at Nightcliff Oval?		
Yes	159	97%
No	3	2%
Unsure	2	1%
Comment	the club should pay for them	
	If lights are to be installed, please ensure they are adequate, also please upgrade TIO 2 lights while you are at it (at least double the lumens they are now)	
	Darwin is a growing city, regardless of the current slow down. Lights would help the increase in demand	
	I would like transparency with this process so that those living close to the oval, especially families with young children and older people, will not be adversely affected by the use of the lights and the increase in activity and evening noise.	
	Although we would like consideration on the placement of light to minimize lights shining into house	

Q9. Do you have any concerns about lights being installed at Nightcliff Oval?



Q9. Do you have any concerns about lights being installed at Nightcliff Oval?

No	142	85%
Yes add comment	24	15%
What are your concerns?	Take in the consideration of neighbours	
	Would need to ensure they don't impact on surrounding residents. Concerns that the current proposal would not provide enough light to facilitate Cricket games at night. Concerns about the use of metal halides as opposed to energy saving LED lighting.	
	There a too many NIMBY citizens in the near proximity that have had too much influence on shutting down progress. Every time an option to add purpose to this venue is raised, it is howled down unlike the development of say Tracy Village facilities. This proposal will be met with the same opposition as Gardens Oval only the residents will be closer in proximity and they will have a massive platform just for the reason this has been raised. I hope you have prepared yourself before this consultation because no development in Nightcliff is possible without gumption to follow through.	
	Again ensure they are bright enough to sufficiently do the job, do not put up 3/4 of what is beaded, otherwise install them at TIO 2 and bring them up to standard	
	Would need to ensure security checks area on closure. Also who would be paying for the cost of running the lights? Clubs are financially stretched and so is CoD so the cost could be a factor.	
	Waste of money fix change rooms fist they're a disgrace	
	would not like lights to glare too much upsetting people in surrounding houses	
	A lighting engineer study should be carried out to determine the least immediate impact to surrounding residences and should include an additional/sequential tree planting program around the perimeter to assist in retaining a buffer and ensuring the future loss of any existing tree does not pose a nuisance light spill into surrounding residences.	
	that there is a strict end time to reduce potential interference of noise and light spillage to neighbouring properties. Agree 9pm should be the latest time the lights could be used.	
	It is too close to residential housing and will impact on their quality of life.	
	I would like transparency with this process so that those living close to the oval, especially families with young children and older people, will not be adversely affected by the use of the lights and the increase in activity and evening noise.	
	Light need to be energy efficient	
	Potential social issues that may flow on from late night activities at the Nightcliff Oval and extensions of liquor licensing should it occur. As a resident on Bauhinia Street, I am concerned about potential drunks and young people loitering in the area after after late night games and events.	
	The lighting at 200 lux is 100 lux below the basic level recommended by Cricket Australia for community and junior games. Premier and club cricket games are recommended to have 500 lux. The current lighting plan in this proposal will be excellent for fielding and cricket practice on the	

	<p>oval. This is currently an issue of safety when training natural light drops towards the end of a training session. Therefore the infrastructure should be built to allow for future improvement should the demand for evening cricket games exceed the capacity at Gardens and Marrara.</p>
	<p>Impact on neighbors needs to be minimal</p>
	<p>I would like light installed to be energy efficient (solar powered at least partly</p>
	<p>If the light are not installed, it is detrimental to players, as in exposes them to dangerous heat and sun exposure. Instillation of lights to enable evening use is a duty of care for DCC. Who is responsible when someone dies of heat exposure during a game in the middle of the day?</p>
	<p>The current proposal is for lights which are not bright enough. And the nets should have lights too</p>
	<p>The need already for planning for the traffic flow on Nightcliff Rd and surrounding feeder roads People speed on Nightcliff Rd and we need a thoughtful approach to increasing cycle and foot traffic to manage any increased use of the facilities around here</p>
	<p>Lights will shine into houses - can you consider the positioning of lights to minimize and perhaps screen plants along the nature strips to screen oval to minimize light</p>
	<p>Excess traffic hazards particularly in Pandanus, Oleander and Camphor Streets for pedestrians and road users, current parking insufficient for current use (4 AFLNT Nightcliff Football Club home games per annum), environmental effect on neighbourhood and properties bordering and opposite oval, increase in antisocial behaviour, negative effect on property values on properties bordering Nightcliff Oval.</p>
	<p>Lighting must be fit for purpose of both football and cricket (and any other sports that may use the groundl</p>
	<p>There would have to be a strict time limit to allow residents in neighbouring properties to have minimal impact.</p>
	<p>Use of the Oval cannot be delinked from use of the Nightcliff Sports Club. I have lived opposite the club and oval for 20+ years. For the first couple of years the Club was notorious for noise and rowdiness at closing time. Until very recent times it has been a good situation; recently Saturday night/Sunday morning (late closing) period has been rowdy. Events on oval should not go past 9:00 pm. Car Parking!</p>

Nightcliff Oval Lights – Written Submissions

To: Engage

Subject: Nightcliff Oval Consultation.

Nightcliff Oval Lights Consultation

While I Have no objection to extending utilization of the Nightcliff Oval, I would like to record a few problems, which may arise from such lighting.

I have lived in Oleander Street for 18 years and am a member of the Nightcliff Sports Club.

My major concern is the danger posed by increased traffic at both ends of Camphor Street.

Both junctions cause problems in daylight conditions

The 'dog leg' between Camphor St and Fox Crescent frequently used to cross Nightcliff Road is one hazard.

There is an Aboriginal Hostel at the junction of Camphor, Oleander and Verbena Streets and Oleander Street is frequently used by Aboriginal Folk transiting from the beach, and Aralia Street shops to Nightcliff shops.

Current parking arrangement near the junction are chaotic and the area is very busy at sundown after training sessions.

All these hazards could be exasperated in darkness without good lighting, signage and rationalization of parking.

I am pleased the council is using the term 'Nightcliff Oval' and not the ridiculously named and meaningless BPCS Oval.

A simple solution to naming rights of all ovals is to call the oval by the suburb it is located in. If companies wish to sponsor that oval then a sign ...Nightcliff Oval. Proudly sponsored by Company xxxxxx should be adopted

It took over a year to get the previous hideous BPCS sign removed.

Thanks for the opportunity to contribute to the consultation.

Cheers

xx Oleander Street, Nightcliff.

To: Engage

Subject: Requesting Feedback option of Proposed Lights and Lights on times at Nightcliff Oval and Bagot Park

Good Afternoon,

These locations are not suitable and were never intended for such use, and exclusivity against residents and ratepayers in the amenity of the evenings.

We are strongly against the proposal which demonstrates poor planning, loss of amenity and need for consideration of more suitable sites or choices and uses of public money.

Kind regards

To: Engage

Subject: RE: Community consultation - Nightcliff Oval Lights

Thank you Sheree and I agree with having lights on the Nightcliff oval, the lights may deter break-ins at the rear of the Nightcliff Community Centre?

NT Mental Health Coalition
Nightcliff Community Centre

Subject: Support for the proposal to install lights a Nightcliff oval

To: <engage@darwin.nt.gov.au>

Dear Darwin City Council

Thank you for the opportunity to provide feedback regarding the proposal to install lights at the Nightcliff oval.

I support the idea for the following reasons:

- Having another usable sporting venue for evening/night events takes pressure off using ovals at TIO 1 and TIO 2
- This venue supports the local community. Extending the use of this facility into evening/night games provides teams with options
- Families that attend evening/night games are more likely to stay at the Nightcliff Sports club and have a meal before or after the game or event
- Encourages use of the oval for other events such as concerts
- How about a movie night on the oval once a month in the dry season? Families bring a blanket and vendors can sell meals (the hot dog or potato man, etc). Council wheel in a big screen (think movie nights at Darwin Water Front). Small entry fee goes to a different charity every month. Or erect the movie screen between goal posts
- Potential support for local business who might supply the club
- Keeps local families in the area, but also entices new visitors to the area - both generates income

I hope you achieve this goal, pardon the pun!

Thank you and regards

To: Engage

Subject: Nightcliff Oval Lights

Hello

I am the owner of XX Phoenix Street Nightcliff. I am currently renting my property as I reside overseas for the moment.

I have no objection to the lights as long as the oval trees don't get cut down as this is a buffer for my property and will stop the lights shining in on my property.

What does concern me is the weekends attract a high volume of traffic in our area and without ample carpark, people have been parking on the verge/nature strip around my property (which is on a corner).

In the past small trees have been damaged on the Phoenix Street side nature strip. This was also irrigated and became an expensive alternative to keep watering and maintaining due to this activity.

I would like to have more plantings done but not to obstruct the pre-existing driveway that was in place there in the early days, as I am going to have this reinstalled. I also don't recommend Frangipanni Trees as the replacement as these are not evergreens and create a mess. If you could help in this matter I would appreciate it.

I have also heard that there has been itinerants camping on the oval. This was told to me by neighbours. I would like to think that the oval gates will be secured so that this will stop any trespassers after hours.

Your response would be greatly appreciated.

Kind regards

To: Engage
Subject: Nightcliff oval consultation

Hi there just wanted to say this is a great idea - go for it!
Thanks
Kaye Hall
xx Bamboo st Nightcliff

To: Engage
Subject: Nightcliff Oval Lights

Hi
Great idea
this would allow all grades to train on the oval and not force lower grades and womens teams to train at nightcliff ps oval on the main nights.
Would also allow for juniors to play a night out of the rediculouse heat in the build up and wet.
Regards
xx Hibiscus St Nightcliff

To: Engage
Subject: Lights at Nightcliff Oval

To whom it may concern,

I am a Life Member of the Nightcliff Cricket Club and also on the Executive Committee of the Nightcliff Sports Club.

My personal opinion is the lights will be of a great advantage to the many sporting teams young and old that train and play on the Nightcliff Oval.

I totally understand there needs to be a time limit (lateness) they can be on for residents in the area, however as outlaid in the 'hours of use' I think this is acceptable and everyone should be comfortable with this.

The extra light will mean a lot for the development of junior players in numerous sports and it has great community benefit for all involved.

To: Engage

Subject: Lights Nightcliff Oval

Hi,

I am in favour of the lights on the Nightcliff Sports Oval. Being someone who is born and bread, growing up in the area and played many games on the oval, to see lights and games being played at night fantastic. It is great on weekends when the oval has a game playing and we can hear the game from where we live, Evans Street.

Also I recall the tennis courts on Chrisp Street Rapid Creek under the water tower had lights and to recall it took 20 cents and a dollar was 15 minutes and later on it was changed to accept \$1 coins it was great to go and play on the courts at night.

To: Engage

Subject: Nightcliff oval lights and other things

Dear Sir/Madam,

I think that it is a fantastic idea to put new lighting at the Nightcliff oval !

While you are at improving things- can you build us a basketball/netball court there as well ?

Thank you

xx Verbena st, Nightcliff

To: Engage

Subject: Community feedback - lights for Nightcliff Oval - quote 3246533SJ:kl

I have received a letter about the Nightcliff Oval lights consultation, requesting community feedback.

I do not object to lights being installed on Nightcliff Oval but would like for parking at the oval to be improved/increased so it does not overflow onto surrounding streets creating noise and traffic issues when families are trying to get young children to sleep.

Regards

xx Ixora Street

Nightcliff

To: Engage

Subject: Nightcliff oval lights

Hi DCC

I 100% support the installation of lights on Nightcliff Oval.

1. As an AFL umpire and parent of junior AFL players, I am well aware of the advantages of being able to play night games of AFL, and currently the options for night games are limited by a lack of ovals with lights installed. Installation of lights at Nightcliff (and other grounds around Darwin including Gardens Oval) would greatly

reduce risks associated with heat while making games more enjoyable and more family-friendly.

2. As a Nightcliff resident I am not at all concerned about any negative issues such as light spill or late night noise during or after games or training. I think that the advantages to the community of having lights far outweigh the risk of negative outcomes. Also, I understand that lights are now available with quite good targeting of the playing field, meaning little light-fall beyond the oval itself. My specific thoughts on this are that if it is necessary to spend a bit more to get lights that have less impact on neighbours then this would be a good investment.
3. As a cricketer, the ability to train into the evening will be quite helpful in managing junior and senior training loads at Nightcliff.



Community Engagement Report

Bagot Oval Lights



1. BACKGROUND

Council currently provides 17 publicly available active reserves which cater to a range of sports and recreation activities. The main users of Council ovals are cricket and soccer in the Dry Season and AFL and soccer in the Wet Season. Council developed the Sports Field Plan 2016-2026 to guide the future use, development and management of sporting fields and ovals. Sports field lighting was identified as a key infrastructure item with the following strategies and actions for implementation:

- Support installation of sports training lights to help increase the capacity of reserves to accommodate additional uses and spread hours of availability.
- In partnership with relevant Peak Sporting Bodies and clubs, support the provision of training lights on a case-by-case basis, having regard to site condition, constraints and demonstrated demand.

The Sports Field Plan categorises Council's ovals into Regional, District and Local level ovals.

Regional Ovals	District Ovals	Local Ovals
Gardens 1	Gardens 2 Nightcliff Bagot Malak Kahlin	Anula Chrisp Street Dinah Beach Fannie Bay Jingili Moil Nakara Tiwi Wagaman Wanguri Wulagi

The category based management system defines facility maintenance, service levels and infrastructure development. Council's only Regional level oval, Gardens Oval 1, has been built and maintained at a premier standard for competition and training. A lighting design for this oval is currently being developed.

District level ovals cater for junior and senior training and competition and incorporate community facilities and support infrastructure to encourage informal and organised physical activity. These ovals include change rooms, kiosk pavilions and turf maintenance at these grounds is provided to accommodate high levels of use.

In order to maximise the capital investment required to light sporting fields, the District level fields are prioritised due to their higher use, the variety of sports they accommodate and their ability to host both training and competition use. Following discussions and consultation with Peak Sporting Bodies and clubs, Council has received proposals for lights at two District level venues, Bagot and Nightcliff Ovals.

When considering other District venues, Malak Oval already has lighting installed, and Kahlin Oval is used exclusively for cricket predominately in the Dry Season. Therefore, Bagot and Nightcliff ovals are preferential for consideration given both their geographic distribution and use.

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the NT Government Urban and Regional Oval Lights Program.

2. THE PROPOSAL

The Bagot Oval lights proposal includes the installation of six light poles to achieve a maximum brightness of 200 lux in the centre of the pitch configuration. The recommended lighting system will utilize metal halide luminaires of 2kW MHNLA operating on 415 volt reactor/ignitor control gear. The light fittings include a glare shield and rear visor to prevent unwanted light spill and will comply with Australian Standards AS4282 – Control of the Obtrusive Effects of Outdoor Lighting. The design will be compliant with the light technical parameters of Australian Standards AS2560.2.3-2007 'Lighting of Football' semi-prof level competition play, and training.

As the main user of the oval Mindil Aces Football Club have indicated the following times the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 - 9pm	100 lux (training)
Tuesday	6 - 10pm	100 lux (training)
Wednesday	6 - 10pm	100 lux (training)
Thursday	6 - 10pm	100 lux (training)
Friday	6 – 10pm	200 lux (football matches)
Saturday	Not in use	
Sunday	5.45 – 6.45pm	200 lux (matches)

A user pays control system will be installed so the lights can be switched to the required lux level, this will also house the automated timer to ensure the lights are turned off at the agreed curfew times.

3. ENGAGEMENT OBJECTIVES

The objectives of this engagement program were:

- To provide a range of opportunities for the community to participate and contribute their views regarding the lighting proposal
- To develop an understanding of the community views regarding the proposed lighting of Bagot Oval, including an understanding of their concerns, issues, aspirations and opportunities
- To provide feedback to participants on the outcomes of the community engagement process and how it shaped the outcome

4. APPROACH

The engagement process was delivered in accordance with City of Darwin's Community Engagement Policy 025. The process was delivered at the level of 'consult' to obtain feedback on different options, plans or proposals. The feedback received is to be presented to Council to help inform a decision on the proposal. The engagement process was delivered over a 6 week period, from 29 January to 9 March 2018.

5. METHODS AND TOOLS

The engagement process included a range of communication material and methods to promote the consultation to the community, as well as providing a variety of ways for people to engage with us to provide their feedback.

Engage Darwin

The Engage Darwin site was the online platform for the consultation. The following information was available on the Engage Darwin site and is provided in **Appendix A**:

- Lighting layout and design
- Recommended Luminaire Technical Data Sheet
- Australian Standard 4282 Control of Obtrusive Light
- Australian Standard 2560.2.3 Lighting for football
- City of Darwin Sport Field Plan 2016 – 2026
- Fact Sheet
- Frequently Asked Questions

Survey

A survey was available on the Engage Darwin site to capture community views on the lighting proposal. Feedback could also be provided via email, phone, mail or in person.

Door Knocking

Door knocking was carried out on Old McMillans Road to understand the views of these residents as they will be most directly affected by the proposal.

Mail out

A letter with a fact sheet was mailed to 886 residents and property owners in the surrounding area.

Community stalls

The following community stalls were held to enable community members to attend to discuss the proposals and provide their feedback:

- Saturday 17 February 2pm – 5pm, Nightcliff Oval
- Sunday 25 February 4pm, Bagot Oval
- Sunday 4 March 8am – 12noon, Nightcliff Markets
- Wednesday 7 March 11am – 2pm, Smith St Mall

Media Launch & Media Release

A media launch was held on Tuesday 30 January at Nightcliff Oval. Lord Mayor and representatives from Football Federation NT and the Nightcliff Sports Club presented to media. A media release was sent to media outlets following the launch, with a story published in the NT News on 31 January and discussions held on local radio.

NT News and Darwin Sun Advertisements

Three advertisements were placed in special Sport and Recreation features run on Tuesday 13 February (Darwin Sun), Wednesday 14 February and Saturday 17 February (NT News).



NT News and Darwin Sun advertisement



NT News article 31 January 2018

Social media

A Facebook post and advertisement were used to promote the consultation.



Facebook Post



Facebook Advertisement

The Facebook post and advertisement achieved a reach of 27,448 with the following analytics:

	REACTIONS	COMMENTS, SHARES	POST CLICKS	REACH
Facebook Post 30 January	50	14	308	2803
Facebook Advertisement 30 Jan–9 March	114	80	624	24,645
TOTAL	164	94	932	27,448

Corflute sign

Corflute sign erected at Bagot Oval



6. FEEDBACK

The following feedback was received through the consultation:



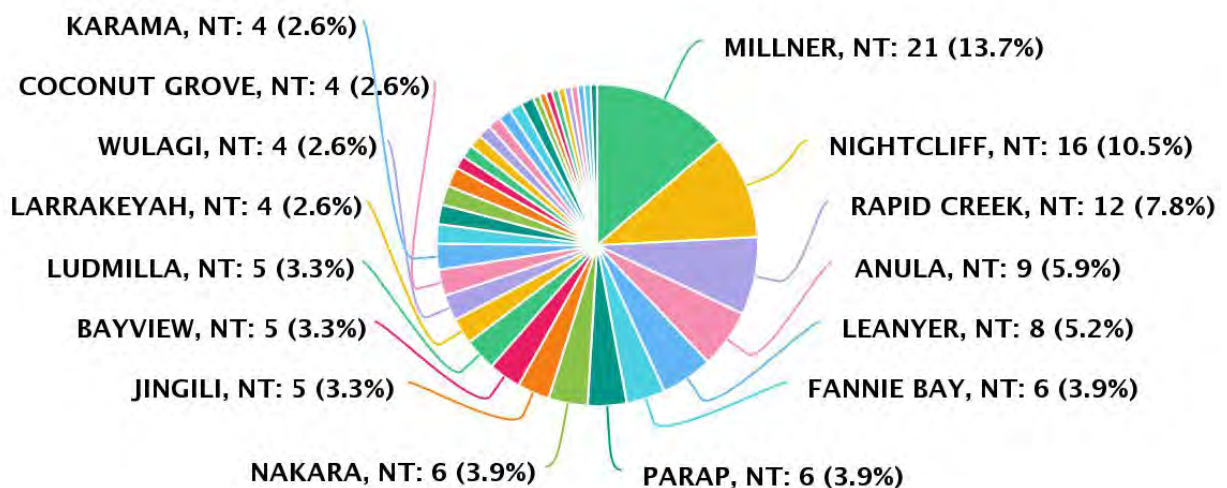
Survey summary

The full survey results are shown in **Appendix B**

466 people visited the Engage Darwin project page with 154 people completing the survey.

Where people live

32% of survey respondents were from the surrounding suburbs of Millner, Nightcliff and Rapid Creek, with the remaining respondents spread across other Darwin suburbs.



Gender

50.3% of respondents were female and 49.7% were male.

Use of Bagot Oval

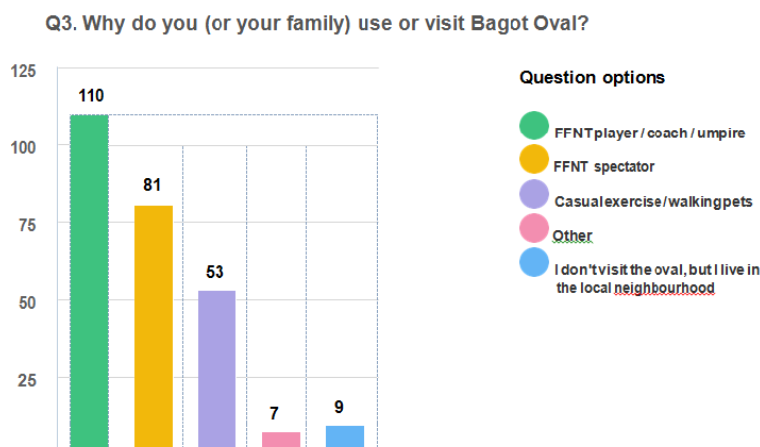
94% of respondents use Bagot Oval and 6% do not. Of those that indicated they (or their family) use Bagot Park:

- 48% use it often (more than once a week)
- 29% regularly (once a week)

- 12% Occasionally (once every two or three weeks)
- 5% Sometimes (once every few months)
- 6% Rarely (once or twice a year)

When asked why people use Bagot Park (could select more than one option):

- 71% as a FFNT player / coach / umpire
- 52% as a FFNT spectator
- 34% for casual exercise / walking pets
- 6% don't visit but live in the local area



What do you currently like about Bagot Oval?

There were 137 responses received regarding what people currently like about Bagot Oval. The key themes raised were:

- Great public space / lots of space / large playing fields that can accommodate many uses
- Central location and easy to get to
- Nice setting and shade trees
- Playground for kids
- Well maintained / good facilities
- Easy parking
- Great history going back to motorcycle racing and speedway days

What don't you currently like about Bagot Oval?

There were 128 responses received regarding what people currently don't like about Bagot Oval. The lack of lights was the most common response, with the key themes raised being:

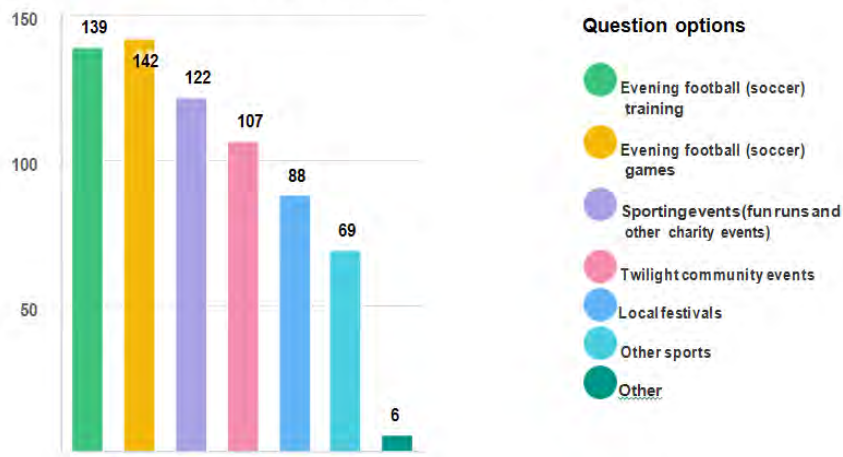
- That there aren't any lights: it restricts the use of the facility, it means you can't play soccer or exercise at night, it forces games to be played in the heat of the day
- Needs better toilet, kiosk and change room facility
- Needs seating/grandstand and more shade for spectators
- Itinerants / anti-social behaviour
- Car park needs improvements – better line marking, pot holes fixed, gravelly surface fixed
- Cars speeding, parking on verges, headlights into properties, burnouts
- Needs improved wheelchair access
- Rubbish and not enough bins
- Poor playing surface at times, poor drainage

Extending use of Bagot Oval

Most survey respondents (94%) said they would like to see Bagot Oval extended beyond its current use, with 6% not wanting it extended. Respondents supportive of extending the current use are supportive of:

- 90% evening soccer training
- 92% evening soccer games
- 79 % sporting events, fun runs and other charity events
- 69% twilight community events
- 57% local festivals
- 44% Other sports

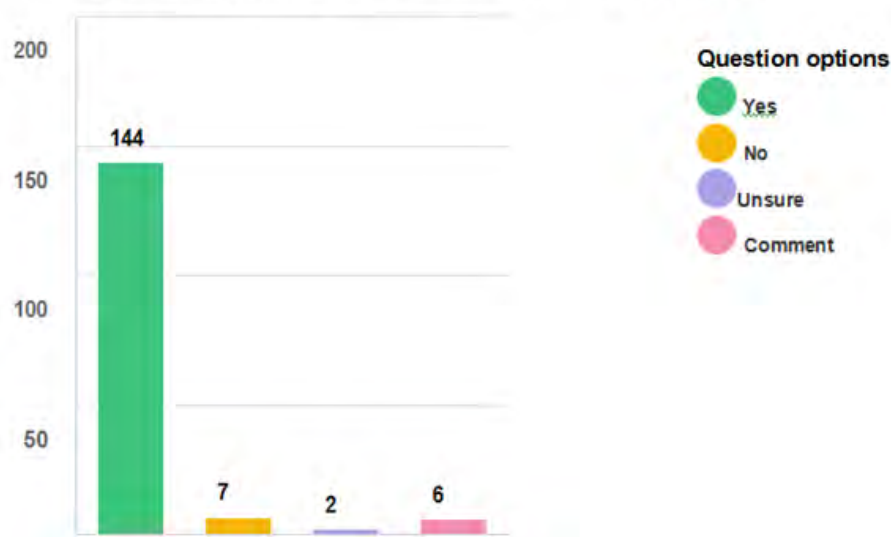
Q7. If you answered yes to the use of Bagot Oval being extended, what type of activities would you like to see?



Do you support lights at Bagot Oval?

A high majority of survey respondents (94%) support the installation of lights at Bagot Oval, with 4.5% of respondents not supportive and 1.5% unsure.

Q8. Installing lights at Bagot Oval would allow the facility to be used in the evening.
Do you support the installation of lights at Bagot Oval?



Concerns with the installation of lights

18 respondents indicated they had concerns with the lights being installed. The concerns raised were mainly regarding traffic management issues as well as noise and anti-social behaviour:

Parking and traffic management concerns

- Increased traffic in the evening
- Vehicles do not use the exit and entrance driveways in the car park, they drive over kerb creating dangerous erosion and killing the grass, as well as shining lights into properties
- Poor car park surface makes it very noisy for residents across the road
- Cars leaving the car park will shine their lights directly into houses
- Cars park on the verge and road too close to driveways, this makes it hard to exit driveways safely as visibility is reduced
- It's hard to drive along McMillans Road as cars park on both sides of the road

Late night noise, rubbish and antisocial behaviour

- Late night noise will disturb residents
- Increase in rubbish – ensuring it is removed
- Do not want alcohol available at any time / concern about people hanging around drinking after matches
- Concern that it will increase anti-social behaviour in the area
- 10pm is too late
- There needs to be a strict end time to reduce potential interference of noise and light spillage
- Waste of money / encourages vandalism

Other

- The lights should be energy efficient (LED technology or solar)
- It gives an unfair advantage to Mindil Aces when there are other soccer grounds and clubs that also need lights
- Bagot Park needs more planning and development other than just lights to ensure it is a valuable park and recreation area
- Ensuring access to use of the lights by all community groups
- Adverse effect on land values
- Frequency of use per week causing unnecessary and stressful effects on local working residents

Community Stalls

A total of 105 people provided their views through the community stalls. The feedback included:

101 people (96%) were supportive of the proposal

4 people (4%) were not supporting of the proposal

Comments:

- Great idea x 7
- Excellent idea, kids will love it
- Very important for increased utilisation
- Good for community, can it be solar?
- Would like it to be renewable energy
- 150% yes
- Too hot for the little ones
- Support this idea
- About time
- I want to play at night
- I want to play football
- Get lights!
- Put the lights ASAP
- The best idea ever!
- Lots of lights for all soccer
- All year use and multi-user advantages

- Shine on you crazy diamond
- Good for crime prevention
- If it gets people out being active in a safe area I am all for it
- No practice / play in the sun is better

Concerns:

- Car headlights shining into properties when leaving the car park
- Extra traffic in the area
- Erosion to verges from people parking on the verge as well as driving over the verge to exit rather than using the car park driveways
- Increased rubbish in the area
- Increased noise in the evening
- Lights off by 8pm would be better
- Mindful of neighbours
- Bagot getting lights before Gardens Oval

Door knocking

Door knocking was carried out on Old McMillans Road as these residents will be most directly impacted by the proposal, 16 residents were spoken to. The following feedback was received:

Have you completed online survey?	Do you support lights?	Do you have any concerns?
No	Yes	No, okay with the lights
Yes	Yes ok with lights, but have concerns	It's good to see the park used but I am concerned about parking, people end up parking on the verge. This creates safety issues as cars block the view from our driveway. People use my driveway to turn around. People don't use the car park driveway to exit, they drive over the verge instead, this ruins the verge and also means lights shine into our properties. There should be something put in place so they can't drive over the verge.
No	Yes	All for it, great idea
No	Yes	No
Yes	Yes	We need traffic calming measure on Old McMillans Rd, people speed along, and it should be a one way street. People drive over the kerb to exit the car park rather than use the driveways.
Yes	Yes	People speed, it needs traffic calming to slow cars down. The pathway connection on the oval side needs to be improved, the pathway goes to nowhere.
No	No	Traffic, noise, parking, 10pm switch off time is too late, need calming devices on road.
Yes	Yes but not to 10pm	A 9pm time would be ok. The noise of the loose gravel in the car park is an issue. Also headlights from cars into my house could be an issue.
No	Unsure	Cars speeding on Old McMillans Road is an issue. More

		trees would be good.
No	Yes	I have concerns with the speeding along Old McMillans Road.
Yes	Yes but earlier	10pm is too late. There are issues in the car park of people doing burnouts, also drinking and drug use. But the lights might positively help the anti-social behaviour issues. Rubbish is an issue.
No	Yes	As long as it shines inwards then happy to see lights.
No	Yes	No
No	Yes	Light would be good. No issues
No	Yes	Great idea
No	Yes	No

Written Submissions

The full written submissions are provided in **Appendix C**

There were 4 written submissions received with 1 in support of the proposal, 2 supportive but with concerns and 1 opposed.

The key points raised in the written submissions include:

Support for the proposal

- Support for the lights to avoid kids having to play in the heat

Support the proposal with concerns

- Support for the proposal but 10pm is too late, 9pm should be sufficient
- I support night recreation and have no concerns with the lighting of Bagot Park, however have the following associated concerns:
 - Issue with cars parking on verges on Old McMillans Road
 - The existing car park driveways are rarely used, people drive straight over the kerb creating erosion and killing grass
 - Concern that traffic hazards will occur with vehicles entering from Bagot Rd, entering from Sabine Rd end and leaving in both directions combined with driving over verges.
 - Impact on properties and their occupants – often 300 cars there on Sunday for soccer, if this changes to night there will be increased traffic, noise and headlight disturbance.
 - Speeding hazard – there are problems with speeding and hoon behaviour along Old McMillans Rd, this can be dangerous with children around.
 - Rubbish issues – there was an issue when a skip bin was previously placed at the ground, became a dumping area. With activities 5 nights a week it would be difficult for sporting organisers to dispose of rubbish at night and so it would stay overflowing until the next day or later.

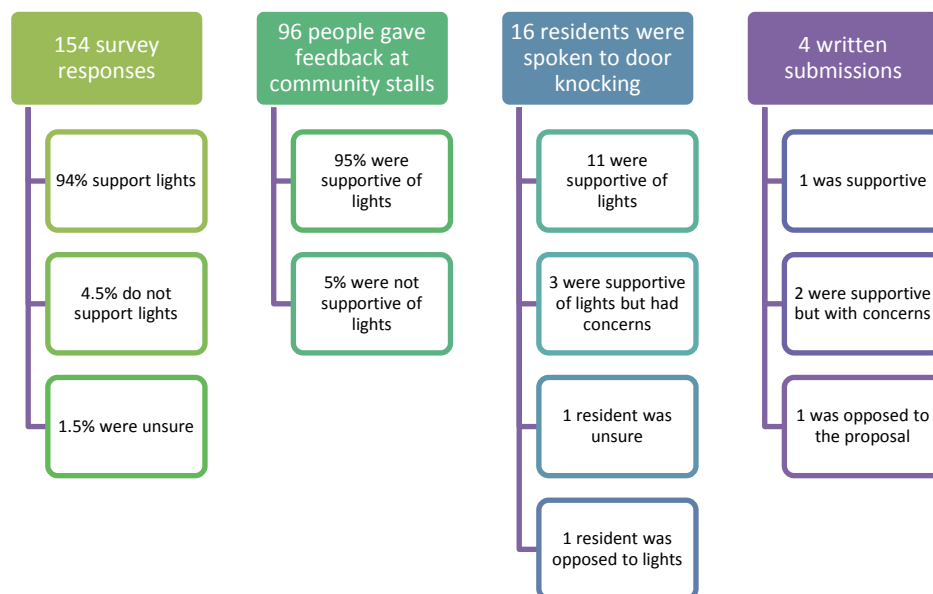
- The current times of 9pm Monday and 10pm all other week days is too much.
- Bagot Park needs to be improved for increased recreational activity and its surrounds sorely need an upgrade, including;
 - Proper entrance and exit to carpark
 - Footpath to continue along car park side
 - Bollards placed along the path to prevent verge parking
 - Upgrade of car park surface
 - Replant trees in car park
 - Seating and tables made available around the oval and playground

Oppose the proposal

- These locations are not suitable and were never intended for such use, and exclusivity against residents and ratepayers in the amenity of the evenings.
- We are strongly against the proposal which demonstrates poor planning, loss of amenity and need for consideration of more suitable sites or choices and uses of public money.

7. SUMMARY

The engagement process ran for six weeks and 270 responses were received. The majority of respondents support the installation of lights, with a small percentage of people opposed.



Support for the lights

The main reasons for supporting the installation of lights are:

- To allow for sport and activities to occur at night rather than in the heat of the day
- Currently playing in the day time is too hot for players as well as not enough shading for spectators
- Being restricted to day time use only means the facility is underutilised
- Lights will enable increased use of the facility, therefore allowing growth in local sport

Opposition to the lights

The reasons that people did not support the installation of lights are:

- Increased traffic in the local area in the evening
- Locations are not suitable and were never intended for such use

- Poor planning, loss of amenity and need for consideration of more suitable uses of public money
- Late night noise disturbance
- Increased anti-social behaviour issues
- Adverse effects on land values

Concerns

There were a number of concerns raised by both people that supported and opposed the project:

- Vehicles drive over the verge and kerb to exit the car park rather than using the driveways
- Cars leaving the car park will shine their lights directly into houses
- The car park surface is in poor condition which makes it very noisy for residents
- Cars speed along Old McMillans Road
- Cars park on verges and too close to driveways creating safety issues for people trying to exit their driveway
- That it will create an increase in rubbish in the area
- Concern about alcohol being available / consumed at matches and after matches
- Some residents were concerned that the installation of lights would lead to an increase in anti-social behaviour in the area, whereas other residents thought that it might help with anti-social behaviour as the area would be activated.
- Concern at the usage time to 10pm

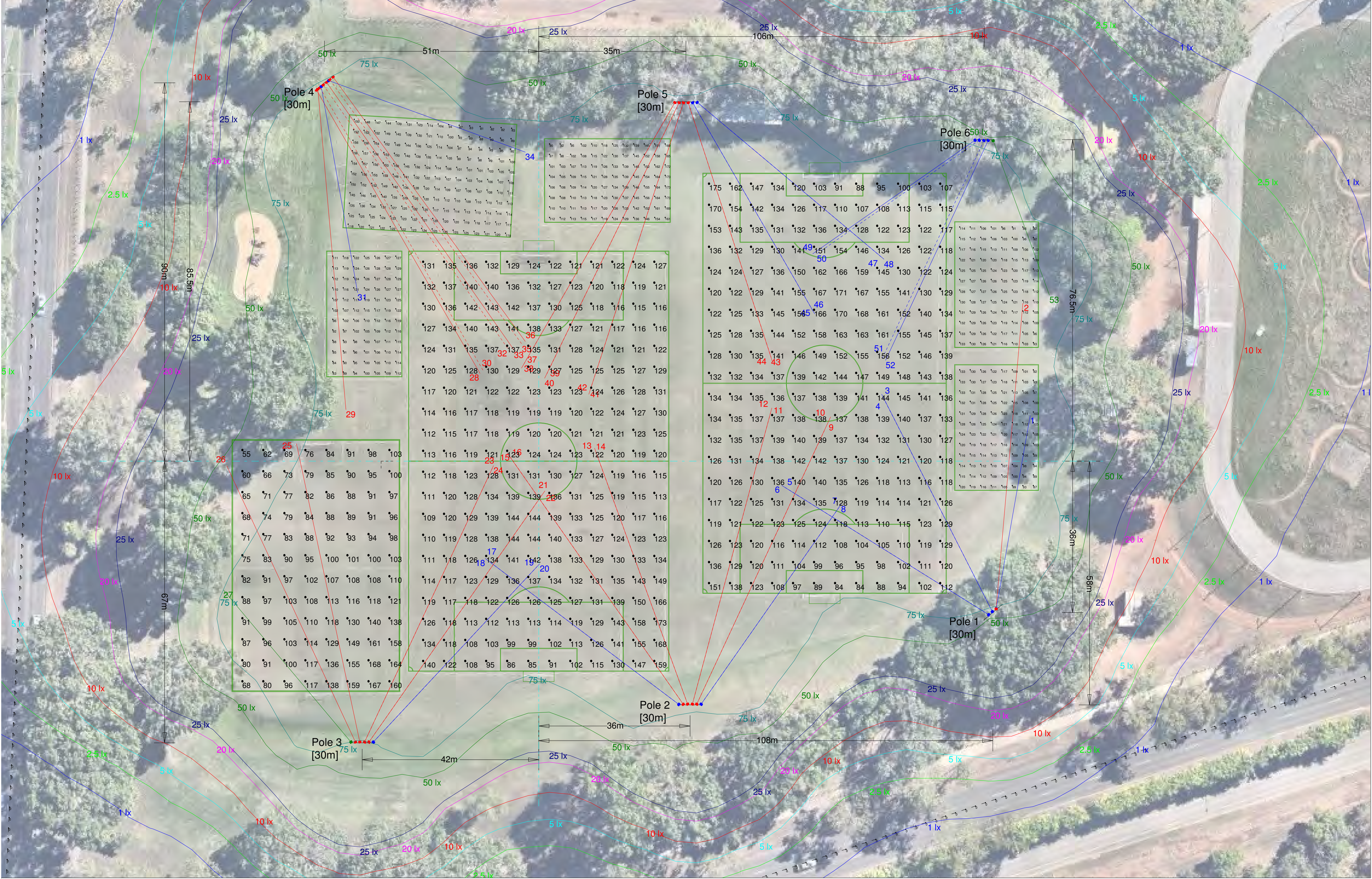
8. CONCLUSION

It was clear through the consultation that Bagot Oval is a valued public facility. The size, location and amenity of the facility are highly regarded by the community. There is strong support for installing lights to provide a facility that can create greater recreational opportunity for the community. There was a small number of respondents opposed to the proposal.

There was a sentiment that to increase the use of the facility with the installation of lights will require an assessment and planning for the whole facility to ensure the associated infrastructure and conditions of use are appropriate for the upgraded facility. The feedback received through the consultation will be valuable with further planning of the facility.

It is recommended that if the proposal proceeds the following key concerns are further considered:

- Car park and traffic management with consideration to:
 - Prevent cars driving over the car park verge/kerb, and use the driveways instead
 - Measures to prevent parking on verges and too close to driveways
 - Improvement to the car park surface to reduce noise
 - Need/options for traffic calming to reduce speeding
 - Assessment of the Old McMillans Road footpath on the oval side
- Monitor and management of anti-social behaviour
- Management of rubbish
- Hours of use – a number of respondents felt that 10pm was too late



Luminaire Schedule					
Scene: All Fields 100 Lux					
Symbol	Label	Qty	Description	Lumens/Lamp	MF
	FL2[1]	2	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 1	220000	0.800
	FL2[2]	21	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 2	220000	0.800
	FL2[3]	30	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 3	220000	0.800



Calculation Summary						
Scene: All Fields 100 Lux						
Label	Description	Avg	Max	Min	Min/Avg	Min/Max
Eh_1	Horizontal plane illuminance on field 1 the ground at 0m afgl	130.75	175	84	0.64	0.48
Eh_2	Horizontal plane illuminance on field 2 the ground at 0m afgl	125.84	173	85	0.68	0.49
Eh_3	Horizontal plane illuminance on field 3 the ground at 0m afgl	100.50	168	55	0.55	0.33
Eh_4	Horizontal plane illuminance on field 4 the ground at 0m afgl	111.42	129	83	0.74	0.64
Eh_5	Horizontal plane illuminance on field 5 the ground at 0m afgl	121.98	157	81	0.66	0.52
Eh_6	Horizontal plane illuminance on field 6 the ground at 0m afgl	129.50	173	90	0.69	0.52
Eh_7	Horizontal plane illuminance on field 7 the ground at 0m afgl	116.25	133	82	0.71	0.62
Eh_8	Horizontal plane illuminance on field 8 the ground at 0m afgl	114.51	133	87	0.76	0.65
Evs_1_III_Seg1	Vertical 'wall' illuminance on the Bagot Rd residential boundary	1.25	4	0	0.00	0.00
TI_1	Threshold increment calculation on Bagot Rd southbound	0.00	0	0	N.A.	N.A.
TI_2	Threshold increment calculation on McMillans Rd eastbound	0.00	0	0	N.A.	N.A.

Ordering Guide			
Qty	Description	SAP code	Type
53	CHAMPION 2kW MHNLA	96261230	2 kW metal halide floodlight
53	HIT-DE2000W/842MHNLA	96009899	2 kW metal halide lamp

53	CGTM2MHNLA415NIF	96038307	Tray mounted control gear alternatively
53	CGWP2MHNLA415NIF	96038308	Weatherproof control gear

Installation Details	
No. of floodlights	53
No. of poles	6
Height of poles (nom)	5 at 30m, 1 at 32m
Total power (nom)	112.625 kW
Start current (nom)	6.32 amps
Run current (nom)	5.363 amps

Note 1 - phase/phase 415 volt, nominal
Note 2 - per each lamp, power factor 0.9

Obtrusive Light - Compliance Report

AS 4282-1997. Pre-Curfew, Residential - Light Surrounds.
Filename: 6419-1_rev1 "All floodlights on"
1/12/2017 3:09:24 PM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.
Evs_1_III_Seg1	PASS	4

Luminous Intensity (Cd) Per Luminaire

Maximum Allowable Value: 7500 Cd
Control Angle: 83 Degrees

Luminaire Locations Tested (53)

Test Results: PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
TI_1	10	PASS
TI_2	1	PASS

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Date: _____

Signed: _____

Luminaire Location Summary								
Scene: All Fields 100 Lux								
LumNo	Label	Pole	X	Y	Z	Orient	Tilt	Switched
1	FL2[2]	1	108.767	-35.358	29.68	80	0	On
2	FL2[3]	1	108.767	-35.358	30.18	85	2.5	On
3	FL2[2]	1	108	-36	29.68	117	5	Off
4	FL2[2]	1	108	-36	30.18	117	5	On
5	FL2[2]	1	107.233	-36.642	29.68	148	5	Off
6	FL2[2]	1	107.233	-36.642	30.18	148	5	On
7	FL2[2]	2	38.5	-58	29.68	55	5	Off
8	FL2[2]	2	38.5	-58	30.18	55	5	On
9	FL2[3]	2	37.5	-58	29.68	65	2.5	Off
10	FL2[3]	2	37.5	-58	31.18	65	2.5	On
11	FL2[3]	2	36.5	-58	29.68	75	2.5	Off
12	FL2[3]	2	36.5	-58	30.18	75	2.5	On
13	FL2[3]	2	35.5	-58	29.68	110	0	Off
14	FL2[3]	2	35.5	-58	30.18	110	0	On
15	FL2[3]	2	34.5	-58	30.18	125	2.5	On
16	FL2[3]	2	34.5	-58	29.68	125	2.5	Off
17	FL2[2]	2	33.5	-58	30	143	5	Off
18	FL2[2]	2	33.5	-58	30	143	5	On
19	FL2[2]	3	-39.5	-67	29.68	47	5	Off
20	FL2[2]	3	-39.5	-67	30.18	47	5	On
21	FL2[3]	3	-40.5	-67	30.18	55	2.5	On
22	FL2[3]	3	-40.5	-67	29.68	55	2.5	Off
23	FL2[3]	3	-41.5	-67	30	65	2.5	On
24	FL2[3]	3	-41.5	-67	30	65	2.5	Off
25	FL2[3]	3	-42.5	-67	30	102	2.5	On
26	FL2[3]	3	-43.5	-67	30	115	2.5	On
27	FL2[1]	3	-44.5	-67	30	130	5	On
28	FL2[3]	4	-52.952	88.438	32.18	300	2.5	On
29	FL2[3]	4	-52.562	88.751	31.68	275	2.5	On
30	FL2[3]	4	-52.171	89.063	32.18	300	2.5	Off
31	FL2[2]	4	-51.781	89.375	31.68	280	0	On
32	FL2[3]	4	-51.39	89.688	32.18	305	2.5	Off
33	FL2[3]	4	-50.61	90.312	32.18	305	2.5	On
34	FL2[2]	4	-50.219	90.625	31.68	340	0	On
35	FL2[3]	4	-49.829	90.937	32.18	306	2.5	Off
36	FL2[3]	4	-49.048	91.562	32.18	306	2.5	On
37	FL2[3]	5	32.5	85.5	30.18	240	2.5	On
38	FL2[3]	5	32.5	85.5	29.68	240	2.5	Off
39	FL2[3]	5	33.5	85.5	29.68	244	2.5	Off
40	FL2[3]	5	33.5	85.5	30.18	244	2.5	On
41	FL2[3]	5	34.5	85.5	29.68	252	2.5	Off
42	FL2[3]	5	34.5	85.5	30.18	252	2.5	On
43	FL2[3]	5	35.5	85.5	29.68	288	0	Off
44	FL2[3]	5	35.5	85.5	30.18	288	0	On
45	FL2[2]	5	36.5	85.5	30.18	300	5	On
46	FL2[2]	5	36.5	85.5	29.68	300	5	Off
47	FL2[2]	5	37.5	85.5	29.68	320	5	Off
48	FL2[2]	5	37.5	85.5	30.18	320	5	On
49	FL2[2]	6	104	76.5	30	215	0	On
50	FL2[2]	6	105	76.5	30	215	0	Off
51	FL2[2]	6	106	76.5	30	245	5	Off
52	FL2[2]	6	107	76.5	30	245	5	On
53	FL2[1]	6	108	76.5	30	290	0	On
Total Quantity: 53								

- Note:
- This design is compliant with the light technical parameters of Australian Standards AS2560.2.3-2007 'Lighting of Football' amateur competition and semi-professional matc practice level competition play, however it should be taken as provisional only as all dimension, pole locations and heights must be confirmed before installation.
 - This design is based on the information extrapolated from an aerial image of the area and therefore can only be considered as provisional due to the inherent inaccuracies involved in the interpretation process. Therefore all the information supplied in this design is subject to verification, which can be provided on the receipt of accurate surveyed drawings in AutoCAD format.
 - An assessment of the floodlight system in accordance with the requirements of AS4282-1997 'The obtrusive effect of outdoor lighting' has been performed and the system is fully compliant for pre-curfew conditions for a large area [i.e. >75m] in a control level 1.
 - The pole heights specified in this design proposal should be taken as notional and are taken as the vertical distance from the base of the pole to the top cross-arm and assumes that the base is at the same relative height as the centre of the field. They therefore do not take into consideration the topography of the site. An analysis of the site topography should be taken into account when determining the actual required heights of each poles.
 - The proposed floodlights are 2kW metal halide operating on 415V (phase phase) reactor/ignitor control gear.
 - Refer to installation instructions for details on lampholder positional adjustment

zumtobel group

43-4/ Newton Road, Wetherill Park NSW 2104

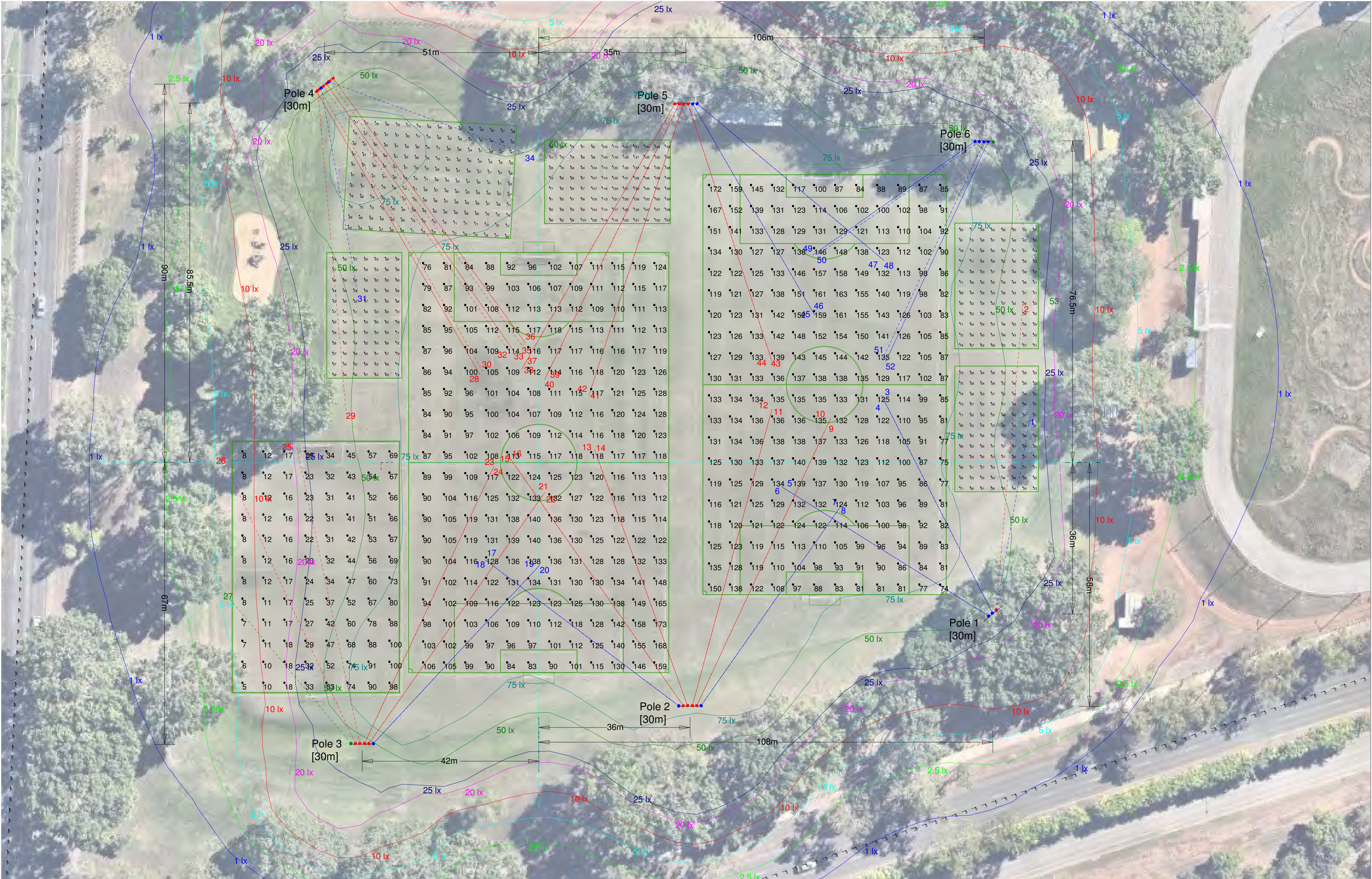
Project: Bagot Park
Sports Lighting Layout - All fields 100 Lux

Client:

Project No:	6419	PT/Quote No:	1856356	Date:	1/12/2017
Drawing No:	1_rev1_AF 100	Lighting Engineer:	Peter Jones		
Revision No:		File:	6419-1_rev1.AGI		

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ZUMTOBEL



Luminaire Schedule					
Scene: Both Fields 100 Lux					
Symbol	Label	Qty	Description	Lumens/Lamp	MF
	FL2[1]	2	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 1	220000	0.800
	FL2[2]	21	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 2	220000	0.800
	FL2[3]	30	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 3	220000	0.800



Calculation Summary					
Scene: Both Fields 100 Lux					
Label	Description	Avg	Max	Min	Min/Avg
Eh_1	Horizontal plane illuminance on field 1 the ground at 0m afgl	119.76	172	74	0.62
Eh_2	Horizontal plane illuminance on field 2 the ground at 0m afgl	113.65	173	76	0.67
Eh_3	Horizontal plane illuminance on field 3 the ground at 0m afgl	37.13	100	5	0.13
Eh_4	Horizontal plane illuminance on field 4 the ground at 0m afgl	56.44	74	37	0.66
Eh_5	Horizontal plane illuminance on field 5 the ground at 0m afgl	68.95	82	36	0.52
Eh_6	Horizontal plane illuminance on field 6 the ground at 0m afgl	116.28	169	55	0.47
Eh_7	Horizontal plane illuminance on field 7 the ground at 0m afgl	53.17	82	30	0.56
Eh_8	Horizontal plane illuminance on field 8 the ground at 0m afgl	51.29	75	30	0.58
Evs_1_III_Seg1	Vertical 'wall' illuminance on the Bagot Rd residential boundary	0.14	1	0	0.00
TI_1	Threshold increment calculation on Bagot Rd southbound	0.00	0	0	N.A.
TI_2	Threshold increment calculation on McMillans Rd eastbound	0.00	0	0	N.A.

Ordering Guide			
Qty	Description	SAP code	Type
53	CHAMPION 2kW MHNLA	96261230	2 kW metal halide floodlight
53	HIT-DE2000W/842MHNLA	96009899	2 kW metal halide lamp
53	CGTM2MHNLA415NIF	96038307	Tray mounted control gear alternatively
53	CGWP2MHNLA415NIF	96038308	Weatherproof control gear

Installation Details	
No. of floodlights	53
No. of poles	6
Height of poles (nom)	5 at 30m, 1 at 32m
Total power (nom)	112.625 kW
Start current (nom)	6.32 amps
Run current (nom)	5.363 amps

Note 1 - phase/phase 415 volt, nominal
Note 2 - per each lamp, power factor 0.9

Obtrusive Light - Compliance Report

AS 4282-1997, Pre-Curfew, Residential - Light Surrounds
Filename: 6419-1_rev1 "All floodlights on"
1/12/2017 3:09:24 PM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.
Evs_1_III_Seg1	PASS	4

Luminous Intensity (Cd) Per Luminaire

Maximum Allowable Value: 7500 Cd

Control Angle: 83 Degrees

Luminaire Locations Tested (53)

Test Results: PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
TI_1	10	PASS
TI_2	1	PASS

Luminaire Location Summary							
Scene: Both Fields 100 Lux							
LumNo	Label	Pole	X	Y	Z	Orient	Tilt
1	FL2[2]	1	108.767	-35.358	29.68	80	0
2	FL2[3]	1	108.767	-35.358	30.18	85	2.5
3	FL2[2]	1	108	-36	29.68	117	5
4	FL2[2]	1	108	-36	30.18	117	5
5	FL2[2]	1	107.233	-36.642	29.68	148	5
6	FL2[2]	1	107.233	-36.642	30.18	148	5
7	FL2[2]	2	38.5	-58	29.68	55	5
8	FL2[2]	2	38.5	-58	30.18	55	5
9	FL2[3]	2	37.5	-58	29.68	65	2.5
10	FL2[3]	2	37.5	-58	31.18	65	2.5
11	FL2[3]	2	36.5	-58	29.68	75	2.5
12	FL2[3]	2	36.5	-58	30.18	75	2.5
13	FL2[3]	2	35.5	-58	29.68	110	0
14	FL2[3]	2	35.5	-58	30.18	110	0
15	FL2[3]	2	34.5	-58	30.18	125	2.5
16	FL2[3]	2	34.5	-58	29.68	125	2.5
17	FL2[2]	2	33.5	-58	30	143	5
18	FL2[2]	2	33.5	-58	30	143	5
19	FL2[2]	3	-39.5	-67	29.68	47	5
20	FL2[2]	3	-39.5	-67	30.18	47	5
21	FL2[3]	3	-40.5	-67	30.18	55	2.5
22	FL2[3]	3	-40.5	-67	29.68	55	2.5
23	FL2[3]	3	-41.5	-67	30	65	2.5
24	FL2[3]	3	-41.5	-67	30	65	2.5
25	FL2[3]	3	-42.5	-67	30	102	2.5
26	FL2[3]	3	-43.5	-67	30	115	2.5
27	FL2[1]	3	-44.5	-67	30	130	5
28	FL2[3]	4	-52.952	88.438	32.18	300	2.5
29	FL2[3]	4	-52.562	88.751	31.68	275	2.5
30	FL2[3]	4	-52.171	89.063	32.18	300	2.5
31	FL2[2]	4	-51.781	89.375	31.68	280	0
32	FL2[3]	4	-51.39	89.688	32.18	305	2.5
33	FL2[3]	4	-50.61	90.312	32.18	305	2.5
34	FL2[2]	4	-50.219	90.625	31.68	340	0
35	FL2[3]	4	-49.829	90.937	32.18	306	2.5
36	FL2[3]	4	-49.048	91.562	32.18	306	2.5
37	FL2[3]	5	32.5	85.5	30.18	240	2.5
38	FL2[3]	5	32.5	85.5	29.68	240	2.5
39	FL2[3]	5	33.5	85.5	29.68	244	2.5
40	FL2[3]	5	33.5	85.5	30.18	244	2.5
41	FL2[3]	5	34.5	85.5	29.68	252	2.5
42	FL2[3]	5	34.5	85.5	30.18	252	2.5
43	FL2[3]	5	35.5	85.5	29.68	288	0
44	FL2[3]	5	35.5	85.5	30.18	288	0
45	FL2[2]	5	36.5	85.5	30.18	300	5
46	FL2[2]	5	36.5	85.5	29.68	300	5
47	FL2[2]	5	37.5	85.5	29.68	320	5
48	FL2[2]	5	37.5	85.5	30.18	320	5
49	FL2[2]	6	104	76.5	30	215	0
50	FL2[2]	6	105	76.5	30	215	0
51	FL2[2]	6	106	76.5	30	245	5
52	FL2[2]	6	107	76.5	30	245	5
53	FL2[1]	6	108	76.5	30	290	0
Total Quantity: 53							

Note:

1.This design is compliant with the light technical parameters of Australian Standards AS2560.2.3-2007 'Lighting of Football' amateur competition and semi-professional matc practice level competition play, however it should be taken as provisional only as all dimension, pole locations and heights must be confirmed before installation.

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3. An assessment of the floodlight system in accordance with the requirements of AS4282-1997 'The obtrusive effect of outdoor lighting' has been performed and the system is fully compliant for pre-curfew conditions for a large area [i.e. >75m] in a control level 1.

4. The pole heights specified in this design proposal should be taken as notional and are taken as the vertical distance from the base of the pole to the top cross-arm and assumes that the base is at the same relative height as the centre of the field. They therefore do not take into consideration the topography of the site. An analysis of the site topography should be taken into account when determining the actual required heights of each poles.

5. The proposed floodlights are 2kW metal halide operating on 415V (phase phase) reactor/ignitor control gear.

6. Refer to installation instructions for details on lampholder positional adjustment

zumtobel group

43-4/ Newton Road, Wetherill Park NSW 2104

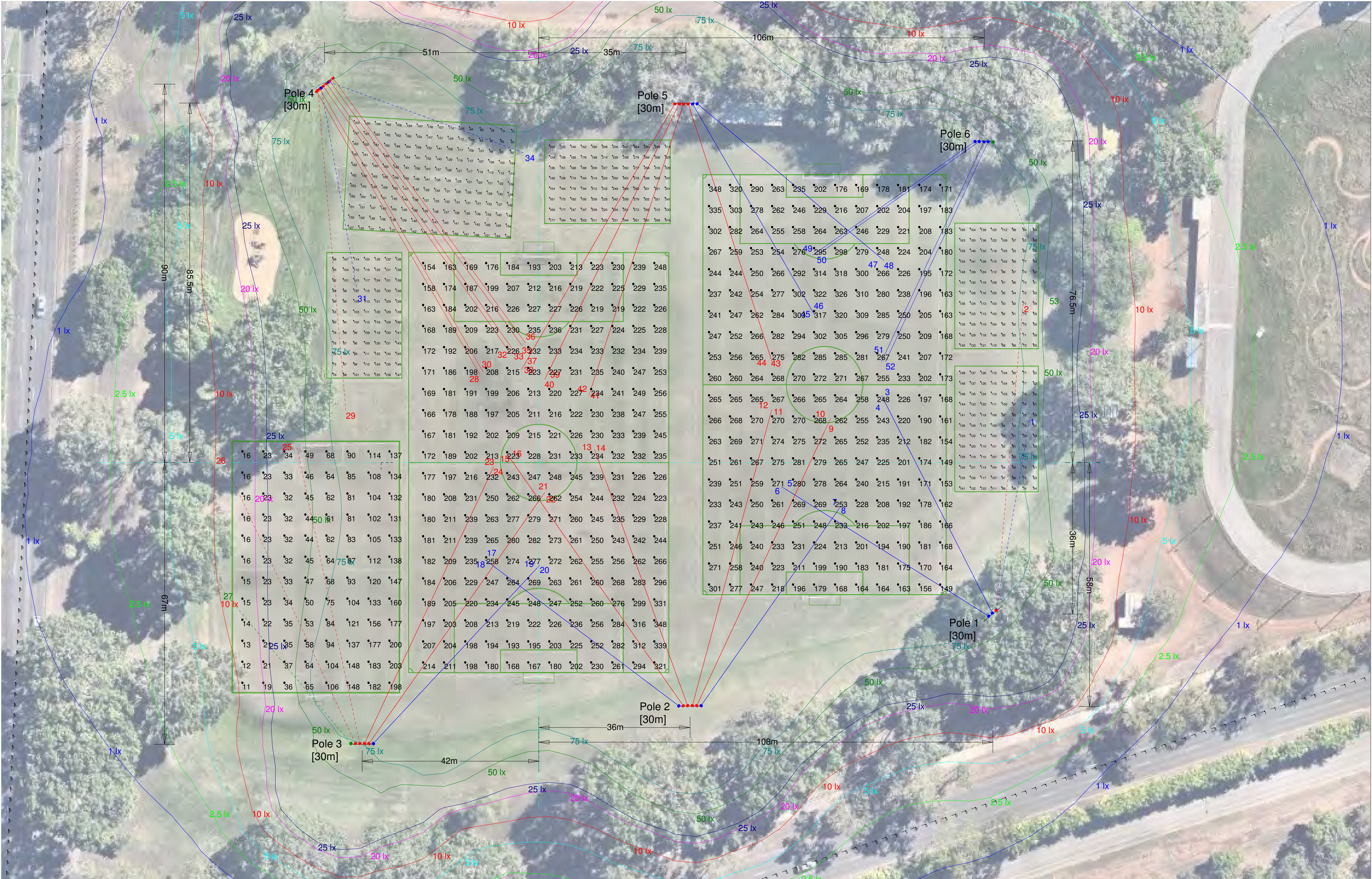
Project: **Bagot Park**
Sports Lighting Layout - Fields 1 & 2 100 Lux

Client:

Project No:	6419	PT/Quote No:	1856356	Date:	1/12/2017
Drawing No:	1_rev 1_F1-2 100	Lighting Engineer:	Peter Jones		
Revision No:		File:	6419-1_rev1.AGI		

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ZUMTOBEL



Luminaire Schedule				
Scene: Both Fields 200 Lux				
Symbol	Label	Qty	Description	
	FL2[1]	2	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 1	Lumens/Lamp MF
	FL2[2]	21	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 2	220000 0.800
	FL2[3]	30	CHAMPION - 2000W MHN-LA (MD) Asymmetric floodlight, lamp pos 3	220000 0.800



Calculation Summary					
Scene: Both Fields 200 Lux					
Label	Description	Avg	Max	Min	Min/Avg
Eh_1	Horizontal plane illuminance on field 1 the ground at 0m afgl	239.81	348	149	0.62
Eh_2	Horizontal plane illuminance on field 2 the ground at 0m afgl	227.17	348	154	0.68
Eh_3	Horizontal plane illuminance on field 3 the ground at 0m afgl	74.10	203	11	0.15
Eh_4	Horizontal plane illuminance on field 4 the ground at 0m afgl	112.73	147	75	0.67
Eh_5	Horizontal plane illuminance on field 5 the ground at 0m afgl	137.66	164	71	0.52
Eh_6	Horizontal plane illuminance on field 6 the ground at 0m afgl	233.30	341	108	0.46
Eh_7	Horizontal plane illuminance on field 7 the ground at 0m afgl	104.91	165	58	0.55
Eh_8	Horizontal plane illuminance on field 8 the ground at 0m afgl	101.20	148	59	0.58
Evs_1_III_Seg1	Vertical 'wall' illuminance on the Bagot Rd residential boundary	0.70	1	0	0.00
TI_1	Threshold increment calculation on Bagot Rd southbound	0.00	0	0	N.A.
TI_2	Threshold increment calculation on McMillans Rd eastbound	0.37	1	0	0.00

Ordering Guide			
Qty	Description	SAP code	Type
53	CHAMPION 2kW MHNLA	96261230	2 kW metal halide floodlight
53	HIT-DE2000W/842MHNLA	96009899	2 kW metal halide lamp
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53	CGWP2MHNLA415NIF	96038308	Weatherproof control gear

Installation Details	
No. of floodlights	53
No. of poles	6
Height of poles (nom)	5 at 30m, 1 at 32m
Total power (nom)	112.625 kW
Start current (nom)	6.32 amps
Run current (nom)	5.363 amps

Note 1 - phase/phase 415 volt, nominal
Note 2 - per each lamp, power factor 0.9

Obtrusive Light - Compliance Report

AS 4282-1997, Pre-Curfew, Residential - Light Surrounds
Filename: 6419-1_rev1 "All floodlights on"
1/12/2017 3:09:24 PM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.
Evs_1_III_Seg1	PASS	4

Luminous Intensity (Cd) Per Luminaire

Maximum Allowable Value: 7500 Cd
Control Angle: 83 Degrees

Luminaire Locations Tested (53)

Test Results: PASS

Threshold Increment (TI)

Maximum Allowable Value: 20 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
TI_1	10	PASS
TI_2	1	PASS

Luminaire Location Summary							
Scene: Both Fields 200 Lux							
LumNo	Label	Pole	X	Y	Z	Orient	Tilt
1	FL2[2]	1	108.767	-35.358	29.68	80	0
2	FL2[3]	1	108.767	-35.358	30.18	85	2.5
3	FL2[2]	1	108	-36	29.68	117	5
4	FL2[2]	1	108	-36	30.18	117	5
5	FL2[2]	1	107.233	-36.642	29.68	148	5
6	FL2[2]	1	107.233	-36.642	30.18	148	5
7	FL2[2]	2	38.5	-58	29.68	55	5
8	FL2[2]	2	38.5	-58	30.18	55	5
9	FL2[3]	2	37.5	-58	29.68	65	2.5
10	FL2[3]	2	37.5	-58	31.18	65	2.5
11	FL2[3]	2	36.5	-58	29.68	75	2.5
12	FL2[3]	2	36.5	-58	30.18	75	2.5
13	FL2[3]	2	35.5	-58	29.68	110	0
14	FL2[3]	2	35.5	-58	30.18	110	0
15	FL2[3]	2	34.5	-58	30.18	125	2.5
16	FL2[3]	2	34.5	-58	29.68	125	2.5
17	FL2[2]	2	33.5	-58	30	143	5
18	FL2[2]	2	33.5	-58	30	143	5
19	FL2[2]	3	-39.5	-67	29.68	47	5
20	FL2[2]	3	-39.5	-67	30.18	47	5
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24	FL2[3]	3	-41.5	-67	30	65	2.5
25	FL2[3]	3	-42.5	-67	30	102	2.5
26	FL2[3]	3	-43.5	-67	30	115	2.5
27	FL2[1]	3	-44.5	-67	30	130	5
28	FL2[3]	4	-52.952	88.438	32.18	300	2.5
29	FL2[3]	4	-52.562	88.751	31.68	275	2.5
30	FL2[3]	4	-52.171	89.063	32.18	300	2.5
31	FL2[2]	4	-51.781	89.375	31.68	280	0
32	FL2[3]	4	-51.39	89.688	32.18	305	2.5
33	FL2[3]	4	-50.61	90.312	32.18	305	2.5
34	FL2[2]	4	-50.219	90.625	31.68	340	0
35	FL2[3]	4	-49.829	90.937	32.18	306	2.5
36	FL2[3]	4	-49.048	91.562	32.18	306	2.5
37	FL2[3]	5	32.5	85.5	30.18	240	2.5
38	FL2[3]	5	32.5	85.5	29.68	240	2.5
39	FL2[3]	5	33.5	85.5	29.68	244	2.5
40	FL2[3]	5	33.5	85.5	30.18	244	2.5
41	FL2[3]	5	34.5	85.5	29.68	252	2.5
42	FL2[3]	5	34.5	85.5	30.18	252	2.5
43	FL2[3]	5	35.5	85.5	29.68	288	0
44	FL2[3]	5	35.5	85.5	30.18	288	0
45	FL2[2]	5	36.5	85.5	30.18	300	5
46	FL2[2]	5	36.5	85.5	29.68	300	5
47	FL2[2]	5	37.5	85.5	29.68	320	5
48	FL2[2]	5	37.5	85.5	30.18	320	5
49	FL2[2]	6	104	76.5	30	215	0
50	FL2[2]	6	105	76.5	30	215	0
51	FL2[2]	6	106	76.5	30	245	5
52	FL2[2]	6	107	76.5	30	245	5
53	FL2[1]	6	108	76.5	30	290	0
Total Quantity: 53							

Note:

1.This design is compliant with the light technical parameters of Australian Standards AS2560.2.3-2007 'Lighting of Football' semi-professional level competition play, however it should be taken as provisional only as all dimension, pole locations and heights must be confirmed before installation.

2. This design is based on the information extrapolated from an aerial image of the area and therefore can only be considered as provisional due to the inherent inaccuracies involved in the interpretation process. Therefore all the information supplied in this design is subject to verification, which can be provided on the receipt of accurate surveyed drawings in AutoCAD format.

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5. The proposed floodlights are 2kW metal halide operating on 415V (phase phase) reactor/ignitor control gear.

6. Refer to installation instructions for details on lampholder positional adjustment

zumtobel group

43-4/ Newton Road, Wetherill Park NSW 2104








Project: **Bagot Park**
Sports Lighting Layout - Fields 1 & 2 200 Lux

Client:

Project No:	6419	PT/Quote No:	1856356	Date:	1/12/2017
Drawing No:	1_rev 1_F1-2-200	Lighting Engineer:	Peter Jones		
Revision No:		File:	6419-1_rev1.AGI		

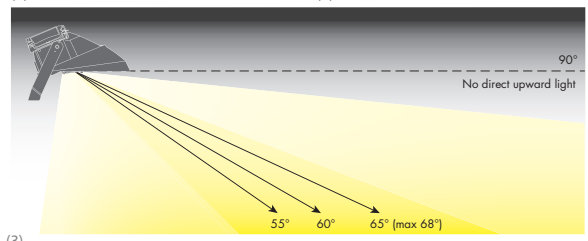
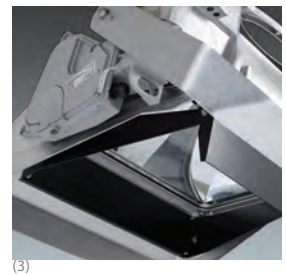
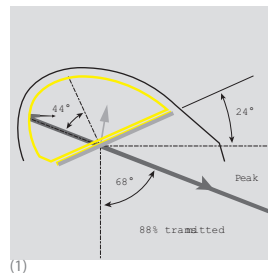
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ZUMTOBEL

	HQI-TS/S (MD)	1/2kW
	HQI-TS/L (MD)	2kW
	MHN-LA (MD)	1/2kW
	HST (ST)	E40 1kW
	HIT (MT)	E40 1kW
AS/NZS60598	 Class II Electrical	
IP66 (IP65 ignitor box)		

Our number one solution to floodlighting general areas and sporting grounds where the control of obtrusive light is critical

- Asymmetric floodlight for 1 and 2kW lamps, incorporating an innovative design concept which takes the performance of asymmetric floodlights to the next level
- Integrated visor for total control of glare and obtrusive light (0 cd at 90°)
- Instead of having a true 'flat glass' construction, which can limit the efficiency of a floodlight, Champion's front glass is inclined inside the floodlight
- Three lamp positions, adjustable on site to provide different photometries from just one installed position
- Safe, tool-free lamp access and replacement with automatic shut-off via hinged door
- Additional accessories for increased control of obtrusive light available
- Tool-free aiming in azimuth thanks to integrated aiming sights
- Available in hot-restrike option



- Champion is designed to be installed without tilting, thereby reducing artificial sky glow, glare and intrusive light. The tilted glass inside Champion enables 88% of the emitting light to be transmitted, whilst the 'virtual' light emitting surface remains horizontal to the ground(1)
- Champion offers a variety of light distributions from one installed position. With its 3 adjustable lamp positions any aiming required to optimise uniformity can be achieved through the lamp position and not tilting (2)
- Total cut-off achieved at 75° from the perpendicular.
- The use of adjustable vertical light shields enables further control of light, in the front (usually the most critical direction) but also side and rear (3)



Accessories/Attachments

- Adjustable visor (front and sides)
- Adjustable visor (rear)
- Wire guard
- Aiming device

Materials/Finish

Body: die-cast aluminium, unpainted.

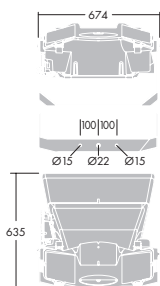
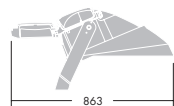
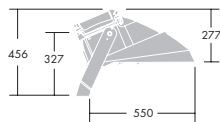
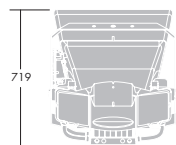
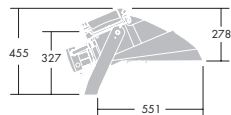
Glass: 4mm toughened.

Wiring/ignitor box: polyamide (66 V0 Black: 20% glass fibre reinforced).

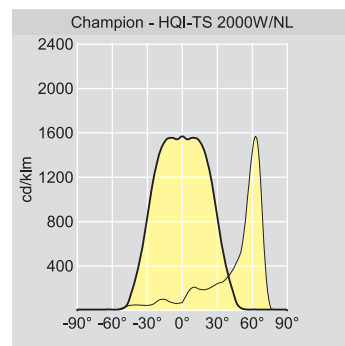
Screws: stainless steel.

Installation/Mounting

Rear access to lamp with automatic power disconnection on opening of rear access door. Tool-free installation and lamp replacement. Stirrup fixed by M20 bolt through Ø22mm hole, or through Ø15mm holes. Ballast and capacitors to be mounted separately. Cable gland for Ø7.5-13mm cable. Aiming via top (door and visor) or side (ignitor box) integrated aiming sights.



Windage: 0.19m-max.



Ordering Guide For complete fitting please order floodlight, control gear and lamp.

Description	Socket	Wt (kg)	Product SAP Code	Lamp SAP Code
Floodlight				
CHAMPION 1KW HQITSS CL2 WI	-	19.17	96261223	96031734
CHAMPION 1KW E40 HST CL2 WI	E40	19.07	96261225	96038921
CHAMPION 1KW E40 HPIT CL2 WI	E40	18.97	96261224	96011265
CHAMPION 1KW MHN-LA CL2 WI	-	19.3	96261227	96035188
CHAMPION 2KW HQITSS CL2 WI	-	19.17	96261229	96031766
CHAMPION 2KW MHN-LA CL2 WI	-	19.3	96261230	96009899
CHAMPION 2KW HQITSL CL2 WI	-	19.17	96261232	96058628
Accessories				
CHAMPION NM WG		1.05	96261969	
CHAMPION NM AJ VS FRONT		1.4	96261970	
CHAMPION NM VS REAR		0.43	96261971	
CHAMPION NM AIMING DEVICE		2.08	96262065	
Control Gear				
CG TM 1KW HPIT 240V NI FUSED			96540592	
CG TM 1KW HPIT 415V NI FUSED			96540593	
CG WP 1KW HPIT 240V NI FUSED			96540594	
CG WP 1KW HPIT 415V NI FUSED			96540595	
CG TM 1KW HST/HQI/MHNLA 240V NI FUSED			96038288	
CG TM 1KW HST/HQI/MHNLA 415V NI FUSED			96038289	
CG WP 1KW HST/HQI/MHNLA 240V NI FUSED			96038290	
CG WP 1KW HST/HQI/MHNLA 415V NI FUSED			96038291	
CG TM 2KW HQI/MBIL 415V NI FUSED			96038305	
CG WP 2KW HQI/MBIL 415V NI FUSED			96038306	
CG TM 2KW MHNLA 415V NI FUSED			96038307	
CG WP 2KW MHNLA 415V NI FUSED			96038308	

TM - Tray mount, WP - Weatherproof box, WI - With ignitor, NI - No ignitor

TABLE 2.1
RECOMMENDED MAXIMUM VALUES OF LIGHT TECHNICAL PARAMETERS
FOR THE CONTROL OF OBTRUSIVE LIGHT
(See Clause 2.7)

1	2	3	4	5
Light technical parameter	Application or calculation conditions (see also Figure 2.1 and Section 5)	Recommended maximum values		
		In commercial areas or at boundary of commercial and residential areas*	Residential areas	
			Light surrounds†	Dark surrounds‡
Illuminance in vertical plane (E_v)	<i>Pre-curfew:</i> Limits apply at relevant boundaries of nearby residential properties, in a vertical plane parallel to the relevant boundary, to a height commensurate with the height of the potentially affected dwellings. Values given are for the direct component of illuminance	25 lx	10 lx	10 lx
	<i>Curfewed hours:</i> Limits apply in the plane of the windows of habitable rooms of dwellings on nearby residential properties. In the absence of development (i.e. vacant allotment), the limits apply on the potentially affected property, in a vertical plane parallel to the relevant boundary, at the minimum setback permitted for a dwelling, to a height commensurate with land use zoning provisions. Values given are for the direct component of illuminance	4 lx	2 lx	1 lx
Luminous intensity emitted by luminaires (I)	<i>Pre-curfew:</i> Limits apply to each luminaire (irrespective of the number on a head frame) in the principal plane, for all angles at and above the control direction, when aimed in accordance with the installation design	Limits as determined from Table 2.2. Alternatively, the limits and method of assessment associated with curfewed hours may be applied, at the discretion of the designer (see Clauses 2.7.1 and 2.7.2)		
	<i>Curfewed hours:</i> Limits apply in directions where views of bright surfaces of luminaires are likely to be troublesome to residents, from positions where such views are likely to be maintained, i.e. not where momentary or short-term viewing is involved	2 500 cd	1 000 cd	500 cd
Threshold increment (TI)	Limits apply at all times where users of transport systems are subject to a reduction in the ability to see essential information. Values given are for relevant positions and viewing directions in the path of travel	20% based on adaptation luminance (\bar{L}) of 10 cd/m ²	20% based on adaptation luminance (\bar{L}) of 1 cd/m ²	20% based on adaptation luminance (\bar{L}) of 0.1 cd/m ²

* Applies to residential accommodation in commercial areas or at the boundary between commercial and residential areas. The term 'commercial' is used as a generic description for zoning which provides for urban uses other than residential.

† Where the affected property abuts roads that are lit to Category V5 or higher in accordance with AS/NZS 1158.1.1.

‡ Where the affected property abuts roads that are lit to Category B1 or lower in accordance with AS 1158.1, or where there is no lighting.

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TABLE 1
LIGHTING CRITERIA

Level of play	Maintained horizontal illuminance ^{1,2} E_{mh}	Minimum horizontal uniformities ³		Maximum glare rating GR_{max}	Minimum colour rendering index $R_{a\ min}$	Maximum uniformity gradient
		U_1	U_2			
Amateur and semi-professional level						
Ball and physical training	50	0.3	N/A	N/A	20	N/A
Club competition and match practice	100	0.5	0.3	50	65	N/A
Semi-professional competition	200	0.6	0.4	50	65 ⁴	N/A
Professional level						
Ball and physical training	100	0.5	0.3	50	20	N/A
Match practice	200	0.6	0.4	50	65	N/A
Professional competition	500	0.7	0.5	50	65 ⁴	20% per 5m

1 For the height above the playing surface at which the illuminance is to be measured, refer to Clause 6.3.1.

2 Values of illuminance measured at the time of commissioning an installation (ie: initial or close to) should be higher than the maintained illuminance values (see Clause 6.2)

3 Being ratios, U_1 and U_2 can be calculated with equal accuracy by using either all initial or all maintained values.

4 If future upgrading to a level suitable for television broadcasting is intended or likely, the selection of light sources with $R_a \geq 90$ should be considered.

NOTE: The above values are chosen to be adequate to provide for the safety of the participants and the level of visual tasks anticipated. Factors such as large crowds (e.g. ≥ 10000) with consequent longer viewing distances, might require higher values to be chosen than initially indicated above.

7 UNIFORMITY OF ILLUMINANCE

7.1 General

As the participants are required to observe the football well above the PPA, the distribution of light across the space above the PPA needs to be reasonably uniform as large variations in illuminance across this space will cause apparent uneven flight of the ball and hence poor judgement by the participants.

This Standard specifies requirements for the uniformity of horizontal illuminance of the PPA only. It sets no requirements for the uniformity of vertical illuminance at any height, however this parameter can be addressed by considering items (a), (b) and (c) of Clause 6.1.

7.2 Determination requirements

Except where specifically stated otherwise in this Standard, determination (by calculation or measurement) of horizontal illuminance uniformity shall be made in accordance with the relevant sections of AS 2560.1.



Bagot Oval Lights

FEEDBACK
CLOSES
9 March

Bagot Oval is one of seventeen public sporting reserves maintained by the City of Darwin. It is located on the corner of Bagot and McMillans Road in Millner. The oval is home to Mindil Aces Football Club in the Dry Season and is also used by community groups and the general public. Football Federation NT has presented a proposal to City of Darwin to install lights at Bagot Oval. City of Darwin wants to hear your views on the proposal.

The Proposal

The installation of lights would include six light poles to achieve a maximum brightness of 200 lux in the centre of the fields.

The lights will have a control system to switch them to the required lux level, for example it would be switched to only 100lux for training.

To find out what 200 lux lighting looks like you can go to Larrakia Park Football Stadium (Abala Rd, Marrara) which has 200 lux lighting installed on the pitch closest to Henry Wrigley Drive.

For more information on the design including a concept lighting design go to

engage.darwin.nt.gov.au

Your City Your Say

We want to hear your views to help inform a decision on the proposal.

Find out more information and provide your feedback:

engage.darwin.nt.gov.au

Email: engage@darwin.nt.gov.au

Phone: Sheree on 8930 0197

Community Stalls: Drop in and we will provide information and answer any questions you may have:

- Saturday 17 February 2pm – 5pm Nightcliff Oval
- Sunday 25 February 4pm Bagot Oval
- Sunday 4 March 8am – 12noon Nightcliff Markets
- Wednesday 7 March 11am – 2pm Smith St Mall



Why are lights needed?

Darwin needs more room to grow local sports and the absence of lights on sports fields restricts the amount of time they can be used for training and matches. There are limited opportunities for new open space areas to be created and as a result we need to investigate opportunities to better utilise our current fields.

For FFNT's largest Club, Mindil Aces Football Club, Bagot oval is their home ground. However, it already can not cater to all the Mindil Aces teams within available daylight hours, with Mindil Aces having to hire school grounds to accommodate all their junior and senior training.

Darwin's climate also presents challenges to our sports players with heat related illness an issue. Lighting Bagot Oval will open the facility to night training and games, provide the opportunity to continue to grow local sports and allow play to occur in cooler, safer and more enjoyable conditions.



How will it be funded?

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the Urban and Regional Oval Lights Program. These funds will be used to pay for the lights at Bagot Oval should the project proceed.

What happens next?

At the end of the consultation period, a report will be presented to Council which will be available to the public. After considering the consultation report, Council will decide whether it supports the proposal to light Bagot Oval.

Hours of use

As the main users of the oval, Mindil Aces Football Club has indicated the following times that the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 - 9pm	100 lux (training)
Tuesday	6 - 10pm	100 lux (training)
Wednesday	6 - 10pm	100 lux (training)
Thursday	6 - 10pm	100 lux (training)
Friday	6 - 10pm	200 lux (soccer matches)
Saturday	Not in use	
Sunday	5.45pm - 6.45pm	200 lux (matches)

Mindil Aces use the ground from February to October.



FREQUENTLY ASKED QUESTIONS

What is the proposal?

The proposal includes the installation of six light poles to achieve a maximum brightness of 200 lux in the centre of the fields. The poles would be 30m high and fabricated from steel. The recommended lighting system will utilise metal halide Champion luminaires of 2kW MHNLA operating on 415 volt reactor/ignitor control gear. The luminaire has a glare shield, wide tilt and a rear visor to prevent unwanted light spill.

Why are lights needed?

FFNT needs more room to cater for the growth in local football and to continue to provide the best facilities possible in the best conditions for the thousands of children and adults and their families who enjoy soccer in Darwin. There are limited opportunities for new open space areas to be created and as a result we need to investigate opportunities to better utilise our current fields. For FFNT's largest Club, Mindil Aces Football Club, Bagot oval is their home ground. However, at the moment Mindil Aces have to hire school ovals to accommodate all their juniors while the seniors have to train elsewhere as well because of the lack of lighting. Lights will provide the opportunity for all teams to train at Bagot Oval and enable further growth of local sport. The other reason for lights at Bagot Oval is that Darwin's climate presents unique challenges to our sports players. There is a responsibility to ensure the health and wellbeing of players, officials, staff, volunteers and spectators. FFNT has a heat policy to assist in preventing injury through heat related effects. They recognise that the risk of an elevated body temperature from high intensity sport in a hot environment is significant, and can lead to heat illness presented as heat exhaustion and heat stroke. Playing and training under lights reduces the risks of heat related illness and injury and would be a key heat management principle in FFNT's duty of care. Lighting Bagot Oval will open the facility to night training and games, provide the opportunity to grow local sports and allow play to occur in cooler, safer and more enjoyable conditions. Lights could also provide an opportunity for other non-sport related community events to be held at Bagot Oval.

How often will the lights be used?

As the main user of the oval Mindil Aces Football Club have indicated the following times the lights would be used:

DAY	TIME	LUX LEVEL
Monday	6 – 9pm	100LUX (training)
Tuesday	6 – 10pm	100LUX (training)
Wednesday	6 – 10pm	100LUX (training)
Thursday	6 – 10pm	100LUX (training)
Friday	6 – 10pm	200LUX (Junior soccer matches)
Saturday	Not in use	
Sunday	5.45pm – 6.45pm	200 LUX (Soccer matches)

How will Council make sure the lights aren't used past the indicated times?

The times indicated by Mindil Aces Football Club will become part of the Seasonal Oval Allocations Agreement with the sports club. All clubs must adhere to the Agreement to be able to use Council facilities. FFNT plan to install a control system at the existing canteen site so the lights can be switched to

the required lux level, this will also house the automated timer which will turn lights off at the agreed curfew times.

What will the lit oval look like?

The lighting design will carefully consider impacts on surrounding residential areas. As outlined above the proposed light fittings include a glare shield and rear visor to prevent unwanted light spill and will comply with Australian Standards AS4282 – Control of the Obtrusive Effects of Outdoor Lighting.

Are there any similar lights in Darwin to look at to compare?

Malak Oval (Malak Crescent, Malak) has 100 lux lighting utilising metal halide luminaires, and the poles are 28m high.

Larrakia Park (Abala Rd, Marrara) has 200 lux lighting utilising metal halide luminaires, the poles are 22m high.

How will it be funded?

Northern Territory Government has committed \$3.5M for City of Darwin to light sports ovals in 2017/18 and 2018/19 under the Urban and Regional Oval Lights Program. These funds will pay for the lights at Bagot Oval should the project proceed.

Who will pay for the operational costs of the lights?

A user pays control system would be installed near the clubhouse. This system will allow the users to switch the lights to the required lux level.

Who will pay for the ongoing maintenance of the lights?

City of Darwin will own the lights and will pay the ongoing maintenance costs.

Why have these ovals been chosen rather than others in Darwin?

Council developed the Sports Field Plan 2016-2026 to guide the future use, development and management of sporting fields and ovals. Sports field lighting was identified as a key infrastructure item to play an increasingly important role in accommodating additional uses, managing allocations and maximising participation opportunities. The Sports Field Plan categorises Council's ovals into Regional, District and Local level ovals. The category based management system defines facility maintenance, service levels and infrastructure development. Council's only Regional level oval is Gardens Oval 1; this facility has been built and maintained at a premier standard for competition and training. A lighting proposal for this oval is currently being developed. In order to maximise the capital investment required to light sporting fields, there is a strong case to prioritise District level fields due to their higher use, the variety of sports they accommodate and their ability to host both training and competition use. When considering other District venues, Malak Oval already has lighting installed, and Kahlin Oval is used exclusively for cricket predominately in the Dry Season. Therefore, Bagot and Nightcliff ovals are preferential for consideration given both their geographic distribution and variety of use.

What are the sports codes currently using Bagot Oval and will this change?

The main user of Bagot Oval is Mindil Aces Football (soccer) club.

Mindil Aces Football Club is a family oriented club providing a welcoming environment for all to enjoy playing football in Darwin. The club is one of the largest single code sporting clubs in Darwin with near 40 teams and 550 players. Mindil fields teams in each junior age group (Under 6 to Under 18) and also has teams in the senior mens and womens competitions. The Club is run by volunteers and with near 550 members and over 1500 people from the Darwin community using the facility each weekend those volunteers are kept busy.

Does this proposal result in any impacts to traffic and parking?

It is expected to be the same amount of traffic and parking that currently uses the facility, but it is the time of use that will change.

There is sufficient car parking to cater to the number of people that attend training and matches.

Will it attract more people to the local area resulting in noise, rubbish and anti-social behaviour issues?

There is not expected to be a lot of change to the area on nights when training is on. There will be more people in the area when night games are on. City of Darwin Seasonal Oval Allocations Agreement provides conditions of use which clubs must adhere to. It has the following key points:

- Facilities will only be allocated to clubs with sound governance structures; open membership for men, women and juniors; elected committees and a demonstrated commitment to social responsibility.
- Bookings may not be shared without the express written prior approval of Council.
- Failure to comply with any of these terms may jeopardise the Hirer's current (and/or future) booking/s.
- Any costs incurred by Council as a result of non-compliance will be recovered from the Hirer.
- Any Clubs intending to sell alcohol are required to seek permission from Council and hold a current Liquor Licence, issued by the Director-General.
- Council will require a Level 2 Good Sports accreditation for all special continuing liquor licences from 2018.
- Organisations are required to collect and remove from the venue all litter introduced onto the oval and/or its surrounding areas and facilities at the end of each training or competition session.
- If the facility is left in an untidy state or condition to the determination of a Council Officer, cleaning charges and an administration fee will apply, as set out in Council's Schedule of Fees and Charges.
- City of Darwin will work with the facility users to ensure the conditions are adhered to.

What is lux?

The term lux is the typical measurement of illuminance used in various Australian Standards and Building Codes to determine the light levels for different areas and uses. As a comparison, office lighting is usually between 350 to 400lux.

Who makes the decision about whether the lights can be installed at Bagot Oval?

As a Council-owned facility, City of Darwin is responsible for deciding whether to approve the proposal and proceed with a development application.

What happens next?

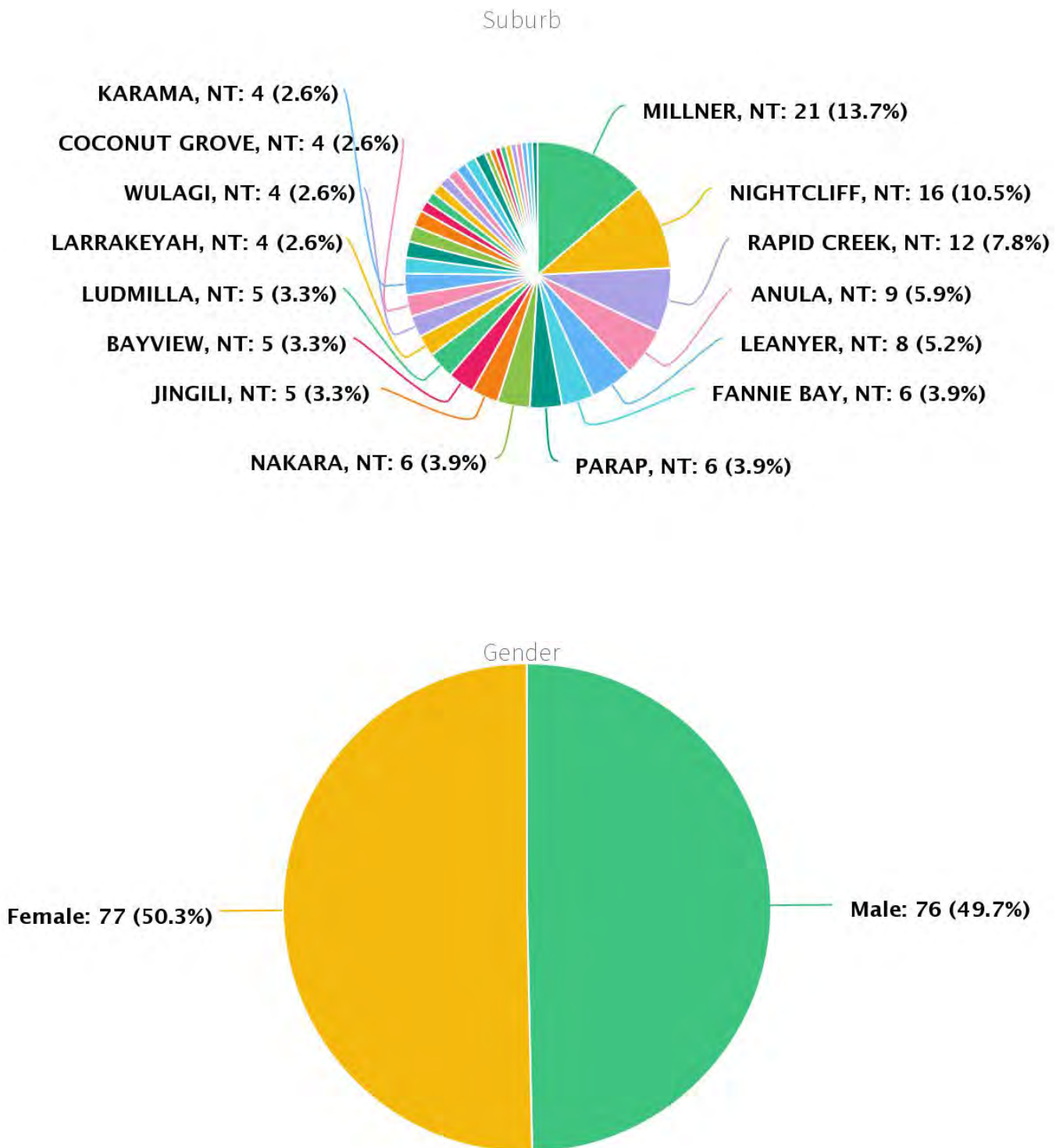
A report will be presented to Council following the consultation which will outline the feedback received, and this will be made publicly available. The consultation outcomes will assist Council in making a decision on whether to approve the proposal to light Bagot Oval.

What is happening with the proposal to light Gardens Oval 1?

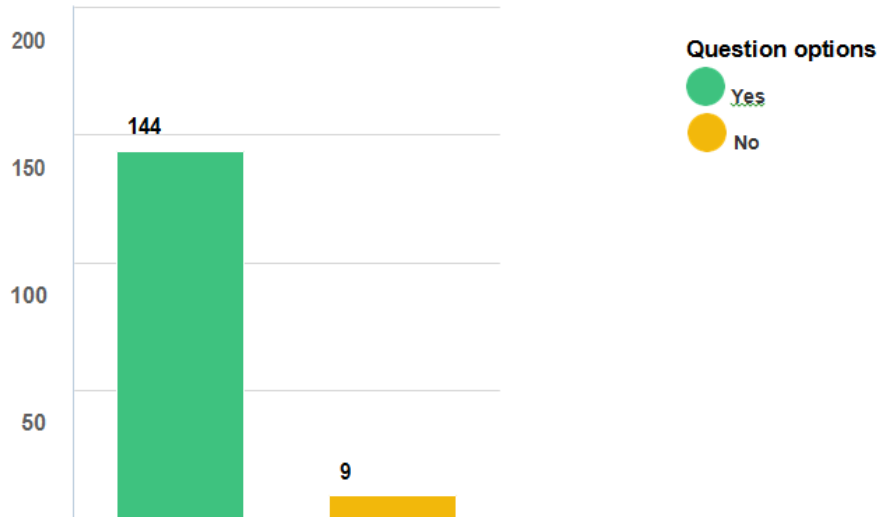
Following community consultation Council provided in principle support for the lighting proposal to enable AFL NT and NT Cricket to develop detailed design, documentation and cost estimates. Council endorsed that the key concerns of the community as identified in the Council Report be taken into consideration in the planning and design process. A further report will be presented to Council to provide the detailed design, documentation and cost.

FULL SURVEY RESULTS

Bagot Oval Lights

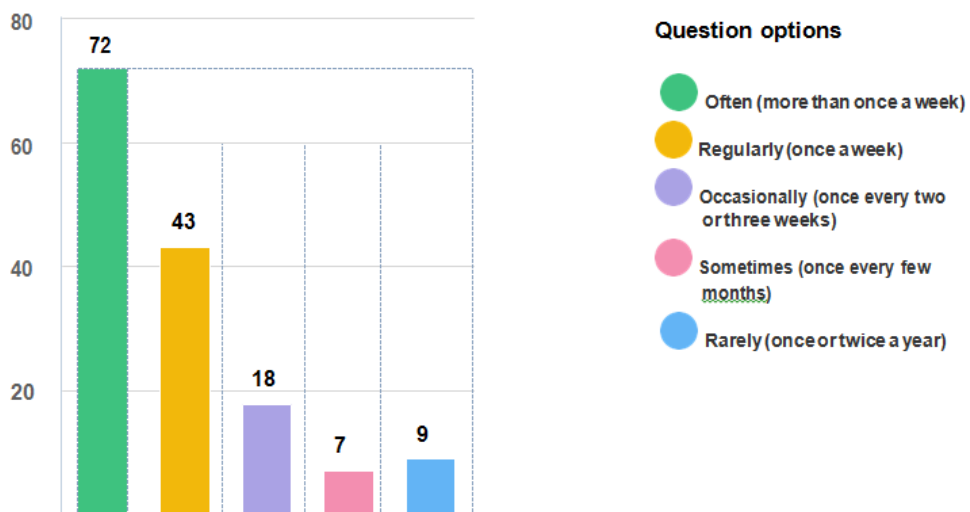


Q1. Do you (or your family) use or visit Bagot Oval?



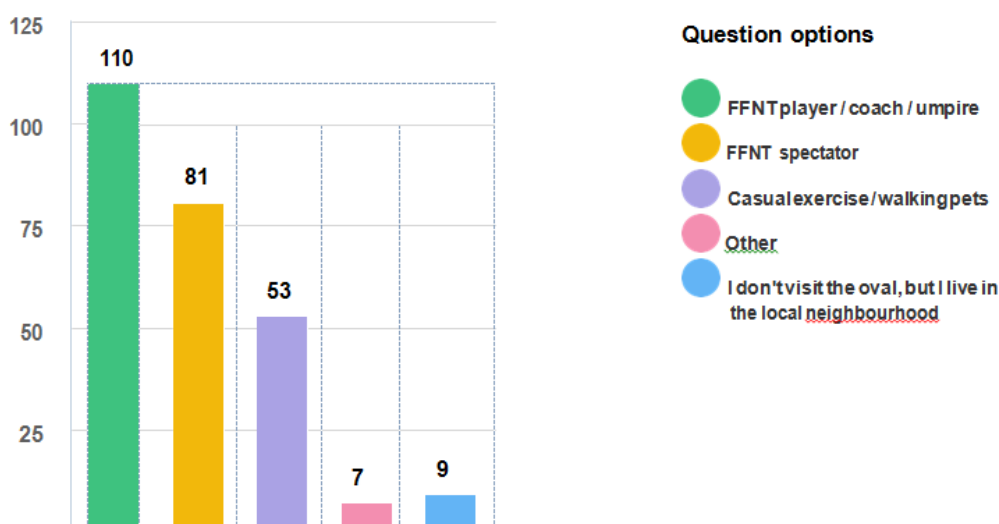
Q1. Do you (or your family) use or visit Bagot Oval?		
Yes	144	94%
No	9	6%

Q2. If you (or your family) use or visit Bagot Oval, how often do you?



Q2. If you (or your family) use or visit Bagot Oval, how often do you?		
Often (more than once a week)	72	48%
Regularly (once a week)	43	29%
Occasionally (once every two or three weeks)	18	12%
Sometimes (once every few months)	7	5%
Rarely (once or twice a year)	9	6%

Q3. Why do you (or your family) use or visit Bagot Oval?



Q3. Why do you (or your family) use or visit Bagot Oval?		
FFNT player / coach / umpire	110	71%
FFNT spectator	81	52%
Casual exercise / walking pets	53	34%
I don't visit the oval but I live in the local neighbourhood	9	6%
Other	7	4%
Please provide more information	Velodrome	
	To kick a ball, play a game, have a boys catch-up for my son (11 yo) and friends	
	I do not use Bagot Oval	
	I live opposite.	
	Local resident living directly opposite who uses park for peace & serenity seasons	
	Until this year my son was a junior player with Mindil Aces	
	Soccer	

Q4. What do you currently like about Bagot Oval?

Excellent, central location, playground for little kids, nice shade trees around perimeter
Well maintained facility, large number of fields, central location
It's a beautiful setting with plenty of shade surrounding, and a good quality grass surface.
Excellent public space, very central
Its the best central ground for junior soccer.
Great public space
The space, and soccer facilities
Heaps of space for many actives
Close to where i live and very accessable with plenty of room and facilities
I like it's history as a community as a sporting focal point going back to the old speedway days. I enjoy driving past and seeing it in use, but always thinknit always should have had lights
Close to where we live
good surface and a big space able to cater to all age groups.

Its a great space to take the kids to practice soccer
Large playing field, many non-structured football matches are played weekly by various informal non incorporated groups
Large size and Capacity, good basic shade, excellent grass for the kids playing sports, close and local location.
Well kept, maintained and regularly used for sport and recreation. Also a history of being used for community recreation dating back to motorcycle racing and later the local speedway
Size location access parking
That's it's a large local space and it's central. Easy to get to and has good facilities.
That it is the home of Mindil Aces Football Club, one of the largest single sport clubs in Darwin and therefore able to cater to the clubs needs needs
location
It's a good large area for soccer training.
beautiful place, good location, big parking, has public toilet, good maintenance (cutting grass, rubbish bins, clean toilet, coloring the soccer pitches)
Great pitch
It's always well maintained and clean
its easily accessible, parking , well maintained lawns
Lovely shady surroundings, fairly well maintained, easy parking
The size of the pitch is quite outstanding and very accommodating in term of having different finctions in the same pitch.
Grounds are well maintained
Location, space, lots of parking
Easy access from main roads, surrounded by big trees
Location
Good parking
Large open area to do various activities
Space, closeness to northern suburbs/city, good car parking, playground, good playing surface
The new play ground is good, the shade is quite good although can be quite hot for players/coaches/etc.
Shade, cleanliness, canteen and toilet facilities
It's a big oval n the kids love to run on it so do the adults
It's well kept and in a good location. It is perfectly position for spectators to watch games.
Location
Grounds are well kept
soccer facilities and amazing green playing surface
The leafy trees, great community facility, the space, lots of shade for spectators
close to home and well kept
How wide and the location
Trees good shade for spectacting. Great venue for soccer. Central to where we live.
It's a great oval to be playing sports on and it easy to get too
Easy to park under lovely trees. (PLEASE DO NOT REMOVE THEM)
Where its located and the parking
We love to play there ever since the speed way Close
The oval is big
It's very accessible,well maintained
Lawn well kept
Plenty of room
Green grass , trees and location

Shady trees, well kept and central location
Central location
Large oval for lots of kids to play and train for soccer
Big area for sports and other events
Shade, fields in good condition
It's large number of football fields allowing up to 2 teams to train on each field. As many as 8 teams can train using goals and many more without goals.
Good grass surface. Huge participation usage via Mindil Aces soccer club. Good canteen.
How big it is. Many people can't train at the same time
soccer and shady seating
Location and meeting place with friends who share the enjoyment in football with Mindil Aces Football club
It has plenty of space for everyone, reasonably close to city where we live, has lots of beautiful trees around it.
raised areas around oval, tree shade
centrally located, mostly well maintained fields
It's there
I like the pitch layout and location of the oval
Location is central for most people associated with the Mindil Aces Football club. Our family has been associated with the club for approx 28 years through our children.
Great ground always maintained by the club and council. Also caters to large masses of junior and senior football
Great venue for kids soccer. Centrally located
location, ease of access, space for multiple games and activities to be occurring simultaneously
The grounds and soccer oval
Nothing at all
beautiful grass for soccer, shady trees, playground
Large space and well maintained place.
There is sufficient space for a variety of pitch sizes
Wide open green space, shady trees, nice playground
The open space
It is a conveniently located venue for junior football. The fields are reasonably well maintained.
The big open manicured and maintained space it provides
really good location, nice playing surface,
Excellent sport field and open space. Good parking and access
close to home
Central, easy access
Good soccer ovals
Open space and shade
The open space and green place to exercise.
Open space with beautiful trees and lawned areas. Fairly quiet area not frequented by a lot of people except for sport training and games. Feels safe to walk about during daylight times
good space for community sport
suburban location no fencing
The green space. Trees, birds. Multiple recreational use, velodrome and soccer, playground and walking/bike track
Nice quiet safe area
Open space : limited use to non local ratepayers : non after hours use : increased police presence after hours to deter criminal/anti social behaviour

The serenity, quietness & the cleanliness of living opposite the oval & also the choice if I want to pop over for convenience, quiet during week, noise buffer zone from McMillans Rd.
Convenient, central and easy access with excellent ground where many friends & many cultures play a game of football together. Plenty of parking bays surrounded by great landscapes.
It has the potential to become Darwin's most beloved football pitch with its size of a professional stadium and the care of a local park.
Field of dreams, football community
Grond / grass maintenance
shady, good for sport
Great set up for soccer games. Lovely large trees.
Big space for lots of football fields one of the major soccer hubs
Decent facilities-clean & tidy - nice friendly vibe
Shade, playground and space
Great setup for football
Soft Green grass
Fantastic playing surface for football
The oval is well maintained and in a great spot just out of Darwin. I live in Palmerston and take my son to soccer there so it's not too far.
The location
It's a great soccer facility. We play and train there, and it has good shady trees.
The shade and playground
The large space is appealing amongst otherwise busy road and suburb. Great facility for soccer
Car park was biggest concern until sealed a few years ago.
Shade from trees, toilets, canteen, large field, playground, parking
The grasss is well kept, parking is easy.
Playground and plenty of space
Green open space, native trees, a venue for sports, a pleasant visual contrast to the ugliness of the development on the other side of Bagot Rd.
Location, shade and high use by sports groups
good soccer grounds, plenty of shade from trees, enjoyable place to be at
Great environment, good playing fields
A great community space that is used by hundreds of sports-kids and sportsmen every weekend
Great facility, good suburban location with minimal direct impact on adjoining residential properties. Council should investigate options to include small scale walkable, shops / cafes nearby to complement after hours use.
The carnival atmosphere generated during the football season because of all the kids and parents attending match fixtures.
Great open green space in the middle of the road network, breaks down the industrial feeling of this area. Heaps of parking, lots of open space
Good facility
the lovely green grass, play ground for little kids and open space
Nice Green Ground
Size, access and parking. Reasonably good surface for football
It is well set up and maintained, has good shade and facilities
Great football (soccer) venue
The grounds are well maintained
Accessible to the community
Great central location with good facilities.
It's well kept and convenient, nice playground for kids

Q5. What don't you currently like about Bagot Oval?

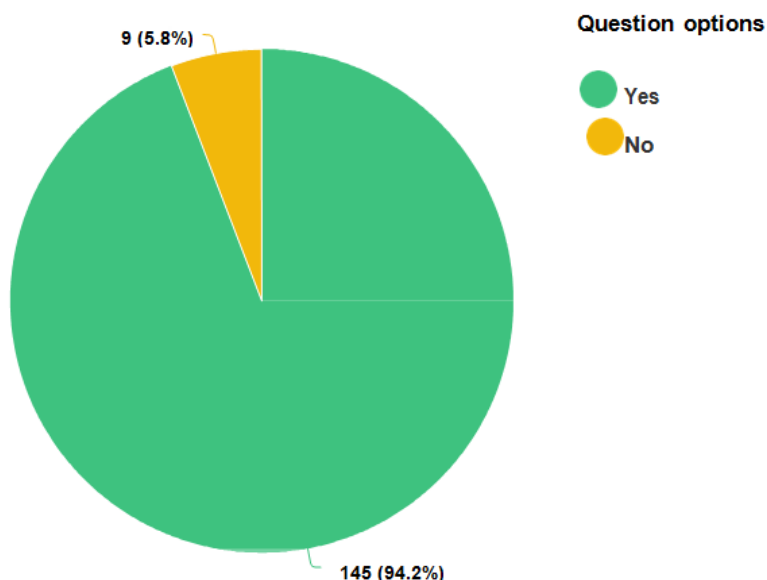
It's very hot during the FFNT season, particularly in the middle of the day
Toilet/changeroom facility is very basic and quite a distance from some fields. No lights so evening games/training can not currently be held there.
Itinerants leave a mess around the canteen and toilets.
Better facilities needed for Mindil Aces football club, change rooms, storage. Improve facilities for spectators with shade and wheel chair access.
Probably better change room & toilet facilities.
Itinerants
Needs Lights and more seating stands.
Needs more places to sit down
Car Park not marked correctly
Watching youngsters train as it gets dark, it should be lit at night
Car parking needs improvement
Limitations on its use, lights would help a lot and give a much more comfortable and enjoyable experience for players and families
its a bit scarey and secluded when dark
No lights. The dry season has short days and as a result playing time is severely restricted. This isn't an issue during the wet season with longer days, but it's much more wetter and soggy grounds to play.
It needs LIGHTS ASAP! also a seating or grand stand set up would be great for parents and families to enjoy the weekend and weekday afternoon sports offered on the grounds. Car Park needs some pot holes fixed too.
It doesn't cater for night sport, where sports people and children can participate in sport away from the sun
No lights. Toilets not maintained very well
The lack of lighting doesn't allow the community to walk or exercise in darkness. The lack of time has a massive effect on the quality of training and grass roots level soccer and other sports which are fields based.
It doesn't have lights! Or seating for spectators; or good toilet facilities.
carpark needs work
There is not lights. The lights would make it more user friendly.
nil
Gets quite water logged by main road
It's a place we're family's go to exercise, the installation of lights will make it safer for extended training hours for family's and soccer teams that's use the facilities
nil
It doesn't have any light which hinders it from been lively most especially on the evening hours.
No Lights and kiosk needs a serious upgrade-
Car park needs to be done properly. It gets really messy. No lights
ground can be muddy or uneven, depending on the weather
Toilet facilities are terrible
No shade
Main soccer field should be orientated differently for greater spectator viewing. Not large enough to accommodate all of the teams for training due to the restricted hours of available time.
Facilities need upgrading, especially need new toilets, needs clubrooms.
Nothing I don't really like about it, but Lights would be a great asset.
Car parking - needs repainting
That it cannot be used after the sunset
Needs lighting to facilitate night time games - games during the later part of the day are WAY too hot for kids to play in (although they do)

No lights
Access to toilet facilities
cant train play at night. lets get on board with some solar panels and mre shaded areas .
I'm concerned about the mahogany trees - dropping branches. Car park surface needs attending to.
limited to use during daytime only
Sometimes need more maintenance on the field and can't walk after sunset cause it's dark
Can only use during the day
There's no lights at night time to be able to play different types of sports
my teenage daughter trains at Bagot Oval but it can get very dark by the end of training during the middle of the dry season.
Its away from the road and its big
No lights and a better grass would be nice.
Can have dirt patches at times, no stands for spectators
People walking dogs without leads. Concerned of falling tress/ branches.
Muddy areas especially in front of canteen and no spectator grandstand
No lights for later train sessions, positioning of toilets unsafe for younger members to use.
Lack of seating and shade for spectators - lack of draining in the wet season. This does affect pre-season training sessions.
Limited shade and with the high risk of sun exposure this is not appropriate for young children
Holes/ditches in ground and on soccer fields
No lights, limited toilet access, limited seating for spectators, parking lot not in good condition
The surface is quite uneven.
Players, both adult and juniors always in full sun for training. Not all of Mindil teams can use the oval at the same time as it is too crowded. Lack of lighting compared to Malak Oval, Sanderson Middle School Oval
Nothing bagot my is really good.
not enough shade
No ability to hold comps in the evening when it's cooler.
unmarked carpark
no lights to be able to play night games, carpark needs works to fill holes and even out, canteen could do with an upgrade
The lack of lighting around the oval. Not been able to play football in the evenings when the temperature is more comfortable
Toilet facilities are more isolated and i feel it should be part of the canteen area where it would be safer for children.
Lights need to be provided to meet the demand of the ground use. Bagot park is the home of junior football and used regularly for senior games. Lights will be able to cater a club with over 500 registered players
It offers a home to Mindil Aces SC and lots of kids.
lack of lighting
No lights and no viewing shades during day time
Out of my way
Toilet and small playground for kids
The ground is horrible to play on, solid and dry, and during the wet season becomes a soup bowl as there is no run off.
In the wet season the area around the Playground turns into a swamp and you cannot access the playground without walking in muddy, wet grass.
I dont have any proplems with Bagot Oval
No lights so junior plays can train & play in cooler conditions. The toilets and canteen building need renovating or replacing.
The lack of seating and shade structures
lack of facilities

Limited toilet access
the poor playing surface and lack of lighting
Doesn't have lights
Night time games can't happen and limited training light
Midgees
Poorly maintained carpark, Trees removed from car park, Parking on verge has killed off grass.
There are no seats to sit on except for the club house area. Noise from itinerants times. Damaged verge where cars mount the verge instead of using entrance and exits. No trees in parking area.
not enough seating and no lights
The seedy nights. Police highlighting the sex for drugs problem, needles found on ground with meth tablets, cars driving in and out at all hours and burnouts.
Rubbish flying over to my residence after Oval has been used
use by antisocial groups : use by anti social vagrants/sporting players : use by illegal after hrs offenders
The lack of parking , the way that people not only park on my verge but USE MY DRIVEWAY to do Uturns
Itinerant antisocial behaviour(drunk, arguing, faeces, public bathing), noise from gravelly carpark, headlights into property, drug traffic, backpacker camping, litter/rubbish, mosquitos, traffic congestion, increase crime with other dev. zone kids.
Lack of commitment to keeping bagot at a high level maintenance and the lack of passion towards its facilities
No lights limits training opportunities and makes training hazardous
Lack of lights for training at night times
No fencing near the playground
It has no lights
I view games well you must sit between fields in the blazing sun. Very hot ground for players
Parking, seating and the need for the oval to be more utilised
Toilet facilities are disgusting and no shade
Games having to be played in the heat of the midday sun as it's a very open space
No lights or shade for players and parents.
No shade and no lights, no changerooms
Our training is limited because we have so many teams so we need lights. Also there are itinerants there quite often leaving a mess behind or being a nuisance.
No lights or sun protection on oval
Nothing
Cars speeding onto Old McMillans road without looking for traffic is a hazard.kmroad
Drainage of the fields when wet, unsocialiable behaviour by drunks
not enough bins, no doggy bag stations next to bin (For example Perth council parks)
No lights
The council allows the grass grow tall, need regular mowing to keep it clean.
Nil
no lights, dark toilets, littering
No lights, toilets are too dark and disgusting and the itinerants
Not used as often as it could be
Sunday morning soccer games are unbearably hot for juniors and their parents
This upgrade is really only targetted at one sport and one club - future lighting installations should prioritise mixed use facilities. Don't let this comment stop you from installing lights at Bagot though - LIGHT UP ALL OVALS and community spaces.
That kids have to play football during the heat of the day, and the lack of shade around some of the smaller fields.
Car Park, buildings all tired and dated, the bottom of the grounds has poor drainage.

No lights
not much its well maintained however it does need lights
Unorganized carpark, More toilet, KIOSK
Can be quite hard in the dry season, minimum facilities
Needs better drainage
There are currently no lights at the venue
I have 3 children playing soccer for FFNT and our club used Bagot as it's home ground/training ground. As my club is the biggest club in the territory soccer we have over 500 registered players and just over 38 teams, as you can imagine we cannot fit.
needs more spectator seating
Ablution blocks need improvement. Parking can also be a nightmare on a Sunday morning.
No lights
Not having lights

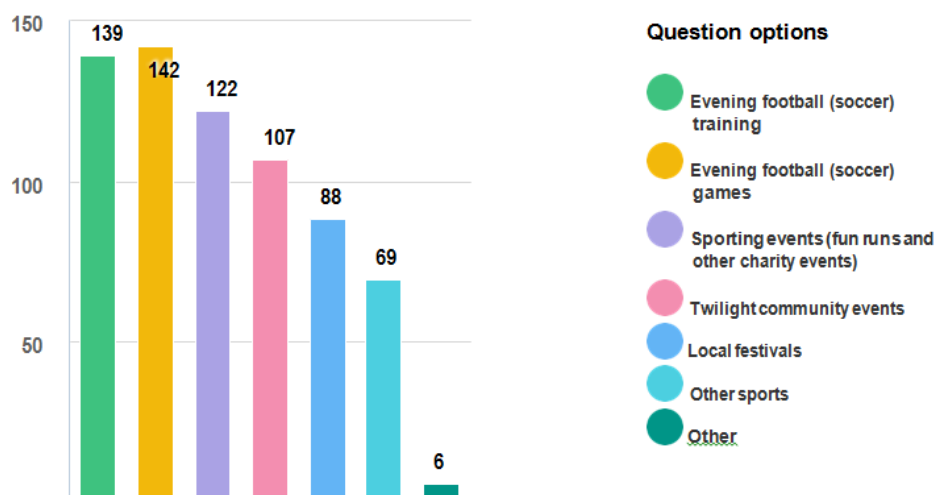
Q6. The main users of Bagot Oval is currently Mindil Aces Football Club during daylight hours. Installation of lights would provide an opportunity for greater use of Bagot Oval. Would you like to see the use of Bagot Oval extended beyond its current use?



Q6. The main users of Bagot Oval is currently Mindil Aces Football Club during daylight hours. Installation of lights would provide an opportunity for greater use of Bagot Oval. Would you like to see the use of Bagot Oval extended beyond its current use?

Yes	145	94%
No	9	6%

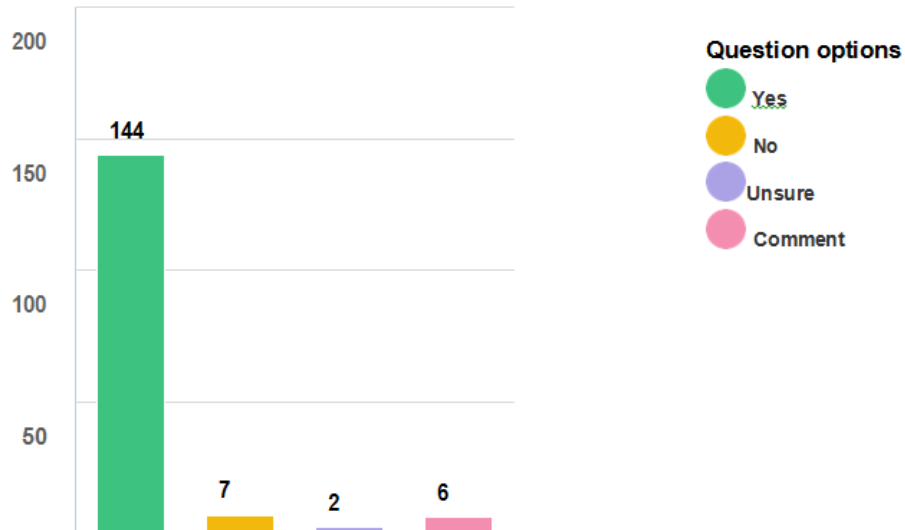
Q7. If you answered yes to the use of Bagot Oval being extended, what type of activities would you like to see?



Q7. If you answered yes to the use of Bagot Oval being extended, what type of activities would you like to see?		
Evening soccer training	139	90%
Evening soccer games	142	92%
Sporting events, fun runs and other charity events	122	79%
Twilight community events	107	69%
Local festivals	88	57%
Other sports	69	44%
Other	6	2%
What other activities would you like to see?	Australian Rules during the wet season	
	Maybe a site for food trucks/vans, outdoor movies.	
	Kids fun night	
	Because of our hot climate I would like games to have the options to play in the evening	
	Benefit of lights need to be available to all in order for the value add of such a project to be realised.	

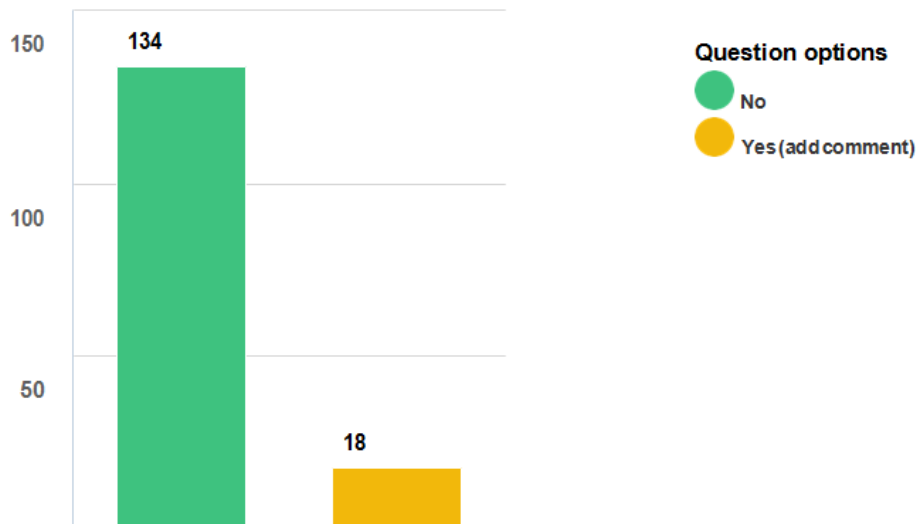
Q8. Installing lights at Bagot Oval would allow the facility to be used in the evening.

Do you support the installation of lights at Bagot Oval?



Q8. Installing lights at Bagot Oval would allow the facility to be used in the evening. Do you support the installation of lights at Bagot Oval?		
Yes	144	94%
No	7	4.5%
Unsure	2	1.5%
Comments	Events in the middle of the day is quite hot for players ad spectators.	
	Noise and lights of cars leaving. Vehicles driving over verge. traffic noise and congestion	
	Anything that extends the use of the field for community members is a good thing. Especially if it means greater access to recreational activities and exercise.	
	I think installing lights at Bagot Oval makes excellent sense. During the FFNT season a lot of young kids play in the heat of the day and it is really concerning.	
	Mindil Aces FC is the largest football club in the NT with the largets junior base and lights are a must if the club and the sport are to be supported	
	With an 8pm curfew.	

Q9. Do you have any concerns about lights being installed at Bagot Oval?



Q9. Do you have any concerns about lights being installed at Bagot Oval?		
No	134	88%
Yes add comment	18	12%
What are your concerns?	I think non incorporated groups, which I participate in will be denied use of the lights due to public liability insurance. You may have to engage with these groups if they would like access to the lights by getting them to formally incorporate. They are consistent uses of the fields on a weekly basis.	
	They should be the appropriate lighting for the space and use the latest LED technology to reduce energy usage. These lights are a priority for the Mindil club. This will only grow talent and potential at grass roots. Th club could potentially produce the next Tim Cahill. And the young kids would be able to have more hours of fun working in technique and fitness.	
	Would certainly like the local residence to have a major say.	
	Waste of money	
	If lights were to be installed it would be unfair on the greater soccer community as Bagot would become the preferential grounds to play at (although the ground itself is horrible). Taking opportunities away from other clubs who could host FFNT matches and incur income from the canteen. It gives Mindil Aces and unfair advantage as they already have the Sunday junior leagues play there. The club deserves lights to train, but the ground is not up to standard for night time matches. And as stated, is unfair to give favour to one operator (Mindil Aces) to take income from the game days when there are numerous suitable pitches around Darwin and Palmerston that also need lights.	
	costing money to encourage vandalism - waste of money again by Darwin City Council!	
	that there is a strict end time to reduce potential interference of noise and light spillage. In the case of Bagot, because there are few residents affected given the oval is bound by two main roads and a park, it would seem reasonable that 10pm be the latest time the lights could be used.	
	I don't have real concerns about the lighting - only the increased traffic and associated problems this will cause with increased usage of the park. Currently vehicles do not use the exit and entrance driveways - they just	

<p>drive over the kerbs creating very bad and dangerous erosion along the footpath and killing off the grass on the verge. Over 20 trees have been removed from the car park over the years and the car park is poorly surfaced. To develop Bagot Park into a proper park and recreational area there needs to be more done apart from lighting. Also the vehicles leaving the park via the verge will shine their lights directly into my front garden and property as well as creating traffic issues entering into Bagot Road and leaving via Old McMillans Road towards Sabine Road.</p> <p>I think developing Bagot Park so it reflects its logo "Where Recreation and Nature Meet" is a good idea BUT more needs to be done other than just installing lights. There needs to be thought given to exactly WHAT activities both Sporting and Community events will take place, What parking will be made available, What is required to ensure proper parking in appropriate areas, What is required to ensure safe vehicle exiting and entering the car park. Currently during the soccer season there are over 300 vehicles in the car park and parking along the verge and on the verge.</p> <p>Rubbish Removal is also an issue. There has been problems before with a skip bin placed in the car park. This caused a major problem for the immediate properties.</p> <p>I say NO to any alcohol being allowed at any time for any reason. I do not want the loud drunken behaviour as well as vehicle noise intruding into my lounge room.</p> <p>I think Bagot has the potential to be improved into a wonderful recreational park but it needs MORE than lighting. (eg tennis court, basketball hoops, seating around the edge of the oval, picnic tables and seating around playground for grandmas/parents to sit and watch children play, attractive verges, a proper well surfaced and shady cool carpark.</p>	<p>increase headlight light from cars using driveways to turn around and exit area via going down gutters.</p> <p>Harder to enter roadway from unit as cars park too close to driveways at present.</p> <p>Harder to drive along road as cars park on both sides of the road.</p> <p>Increase of people in the area at night if other uses were allowed.</p> <p>Increase of noise from loud speakers and music from other sources.</p> <p>Damage to existing vegetation, trees and verges.</p> <p>People using the area as a toilet.</p>
	<p>I would like to see the lights installed but they should be energy efficient (generated by part at least by solar)</p>
	<p>Noise while young children sleep.</p> <p>Rubbish left by participants and flying into residential areas.</p> <p>Drug and alcohol consumption.</p> <p>It is recommended that bollards are be added at entry ways similar to the Nightcliff Pool carpark to stop/prevent after hours use hooligans and drug users.</p>
	<p>The extended use of the oval in the evening which will lead to increase in noise, increase in traffic, increase in rubbish. I live in the units directly across from the oval and With increase use of the oval would lead to headlights from cars shining straight into my unit late at night. This would not be fare to have this every night if the week especially when you have to go to work.</p>
	<ol style="list-style-type: none"> 1) Increased traffic use in residential area after dark 2) Increased antisocial behaviour by current sporting players & spectators 3.) Increased use for illegal substance abuse by existing sporting players/spectators/drug sellers 4) Increase unregulated reckless driving behaviour by existing users 5) Increase in anti social alcoholic behaviour by vagrants/players/members/spectators 6) Application for alcohol consumption (BIY/Sale) by club members/players/spectators is contrary to 2km drinking legislation applies for Sabine Road. 7) Increase in criminal behaviour targeting increase spectator presence/usage (current acknowledged drug use/sales)

8) Adverse effect on quality & standard of life on existing home owners or residents
 9) Adverse effect on land values
 10) Parking effects on public street/home owners driveways/footpaths
 9) Increase in rubbish/littering offences (currently not policed)
 11) Frequency of use per week causing unnecessary & stressful effects on local working residents
 12) Concerns over use of residential open spaces when current uses is available at a non residential sporting precinct in Mararra
 13) Concerns as to why Mindil Aces SOCCER Club are not using facilities in their own residential areas

Late night noise and illumination - during week would make living opposite hard to sleep
 Car park is very noisy - gravelly sounds from cars - not up kept and already if a car visits there during the night it is very loud and wakes you up with sound and headlights - that alone potentially 2 footie teams there until late and dozens of cars. The cars on the Gravel is very loud.
 Worried about alcohol consumption - antisocial behaviour
 Already increase in youth and crime in area since petrol station/bowling, trampoline/skating areas were.
 Worried about extra noise - loud speakers - till 10pm plus - then tooting horns, headlights etc when people leaving during week nights. Need to sleep! - homes opposite are mainly units and its already noisy enough.
 The week night to 10 pm plus - probably 10.30 or 11 before everyone leaves is outrageous.
 Traffic issues on small street - entrances and exits on suburbia small street.
 Rubbish issues with extra use/hours - has previously been an issue - large noisy bin collections, not enough bins in appropriate spots for usage.
 With lighting have concerns with itinerants staying up longer with antisocial behaviour.
 4 weeknights until 10pm - then the after drinking behaviour, talking, toot toot goodbyes, wheelies in cars, headlights, gravelly sounds of cars leaving...
 10.30 /11 pm - Not right in suburbia. I question why 1 club - Mindil Aces would need so much time on an oval - especially at Night for training other than to irritate neighbours, devalue out property, increase council expenditure on lighting & electricity. Are there any other hidden agenda's /proposed activities of why else lights would be installed that we have not been privy to??
 The main soccer oval is at Marrara which has lights and seating facilities for spectators.
 Bagot oval is used mainly for training and children's day matches and should be kept this way. I don't feel parents would utilize lights - in bringing children to training at 9 pm weeknights when its their bed time. Most adults training is before dinner not after.
 Lights I feel will bring in other unethical behaviour to the park and crime in the area is already increasing.
 As a home owner opposite bagot oval - if lights were installed - I feel they should only be utilized on the weekend until 9 pm - definately not weeknights. The carpark would need to be changed to asphalt to stop noise and the carpark exit/entry should be changed to McMillans road (a main road) not Old McMillans for better traffic flow. Security measures - should be installed for antisocial behaviour.
 As a long term resident - I am totally against the installation of lights on Bagot Oval.

No concerns at all as it is more than 25 metres from residents & trees to reduce impacts

Residents not being overly effected by bright lights and cost of running the lights

Car park requires bollards along the road so 4WD vehicles can only access & exit at the designated driveways. Currently a free for all as can be seen by vehicle tracks over the gutter on Baggot road end.

	<p>NOT in favour of alcohol being available because of the street & car park. Too narrow, too dangerous. I live opposite the worst end, Baggot road end and see the near misses.</p> <p>I don't like the idea of installing metal halide luminaires at either Bagot or Nightcliff ovals. LED lights are a proven technology and shall significantly reduce the ongoing operational costs to the community.</p>
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To: Engage
Subject: Bagot Oval Lights

To whom it may concern

Although I won't be affected by the installation of lights at Bagot Oval, I welcome and support the proposal. However, I think that 10pm time limit is late particularly for the residents who live opposite the park. The cut off time of 9pm should be sufficient.

Regards

To: Engage
Subject: Bagot Oval Lights

Hi

I didn't want to log in for the survey but want to indicate my support for lights at Bagot oval. Massive numbers of junior kids play soccer there (including my child) and being able to do so under lights will make it much easier to avoid scheduling matches in particularly hot parts of the day.

Regards

To: Engage
Subject: Requesting Feedback option of Proposed Lights and Lights on times at Nightcliff Oval and Bagot Park

Good Afternoon,

These locations are not suitable and were never intended for such use, and exclusivity against residents and ratepayers in the amenity of the evenings.

We are strongly against the proposal which demonstrates poor planning, loss of amenity and need for consideration of more suitable sites or choices and uses of public money.

Kind regards

RE Proposed Lighting of Bagot Oval

Issues:

I don't see that the lighting itself will be problematic but it is the increased usage of the carpark and surrounds at night that will cause major problems and traffic hazards on a regular basis.

Verge Parking:

1. Current parking for soccer matches and training on Sundays cause problems. Vehicles drive over kerb to park on the verge for an easy getaway. I have checked out the parking at Nightcliff Oval and this would appear much more conducive to easy exodus of vehicles as it is mostly angle parking which allows vehicles to reverse and move away without undue hazards of traffic jams and headlights shining every which way.

2. Traffic Issues:

- Vehicles entering from Bagot Rd, entering from Sabine end and leaving in both directions combined with vehicles driving over verge and along adjacent kerb create traffic hazards. At night these hazards will be compounded by headlights.
- The current exits and entrances are very rarely used if at all.
- Verges have been eroded and grass killed off from the use of verges for parking. This will worsen with additional use.

3. Impact on properties and their occupants: I have counted vehicles during matches on a Sunday. There is regularly over 300 cars. Whilst on the weekends during daylight hours the neighbourhood can cope, but change this to night there will be increased traffic and noise and headlight disturbances. The above traffic problems will mean headlights are continually shining into the lounge and bedrooms of adjacent properties.

4. Speeding Hazard

The section of Old McMillans Road that borders the Oval, Velodrome and vacant parkland experiences problems with speeding vehicles. It is appalling the way this road attracts vehicles which well and truly exceed any safe speed limit. It is becoming a speed track for many hooners who like to enter from Bagot Road and accelerate along the section of road to the corner. If a child happened to run out/wander onto the road they would not have a chance because the speed at which some vehicles travel would prevent stopping or avoiding the child.

5. Rubbish Issues: Properties adjacent have already had problems with rubbish. At one stage a skip bin was placed outside the kiosk. This caused huge problems. It became a community dumping ground with trade vehicles filling the skip and dumping their rubbish near the skip. Many times there were an abundance of flies and wet rubbish around the skip. With recreational activities 5 nights it would be difficult for the sporting organisers to dispose of rubbish at night and so it would stay in overflowing bins until sometime the next day or later.

6. Times of Lighting and use of Oval

It is proposed to be used every night of the week – to 9pm on Monday and to 10pm on all other week days. There is nothing on Saturday and only 1 hour on Sunday evening. This means that there will be night disruption to the neighbourhood **5 week nights** every week. This is too much.

Other Issues that need to be addressed

- Alcohol consumption?
- Loud speakers

I do think that night recreation is a good idea and have no concerns with the lighting of Bagot Park. However; I think there needs to be considerable thought given to improving Bagot Park for increased recreational activities. The sign at the beginning of the park and oval says “ Bagot Park ~ Where recreation and Nature Meet.” Bagot Park has deteriorated badly and has been poorly maintained since I began living opposite 25 years ago. If it to become a major recreational facility Bagot Park and its surrounds sorely need an upgrade to encompass the following

- proper entrances and exits of the carpark.
- footpath to continue along the car park side
- bollards placed along the path to prevent verge parking
- upgrade of car park surface which is eroded and boggy after only a short rain shower
- replanting of trees in car park (over 20 have been removed from car park over the years
- seating and tables made available around the oval and particularly close to the playground
- drinking fountain by the playground

- the footpath is being seriously eroded closest to Bagot Road and at the far corner. It is dangerous particularly for bikes and gophers.

I look forward to the community consultation today,

xxxxxx

Unit xxx Old McMillans Road

xxxxxx