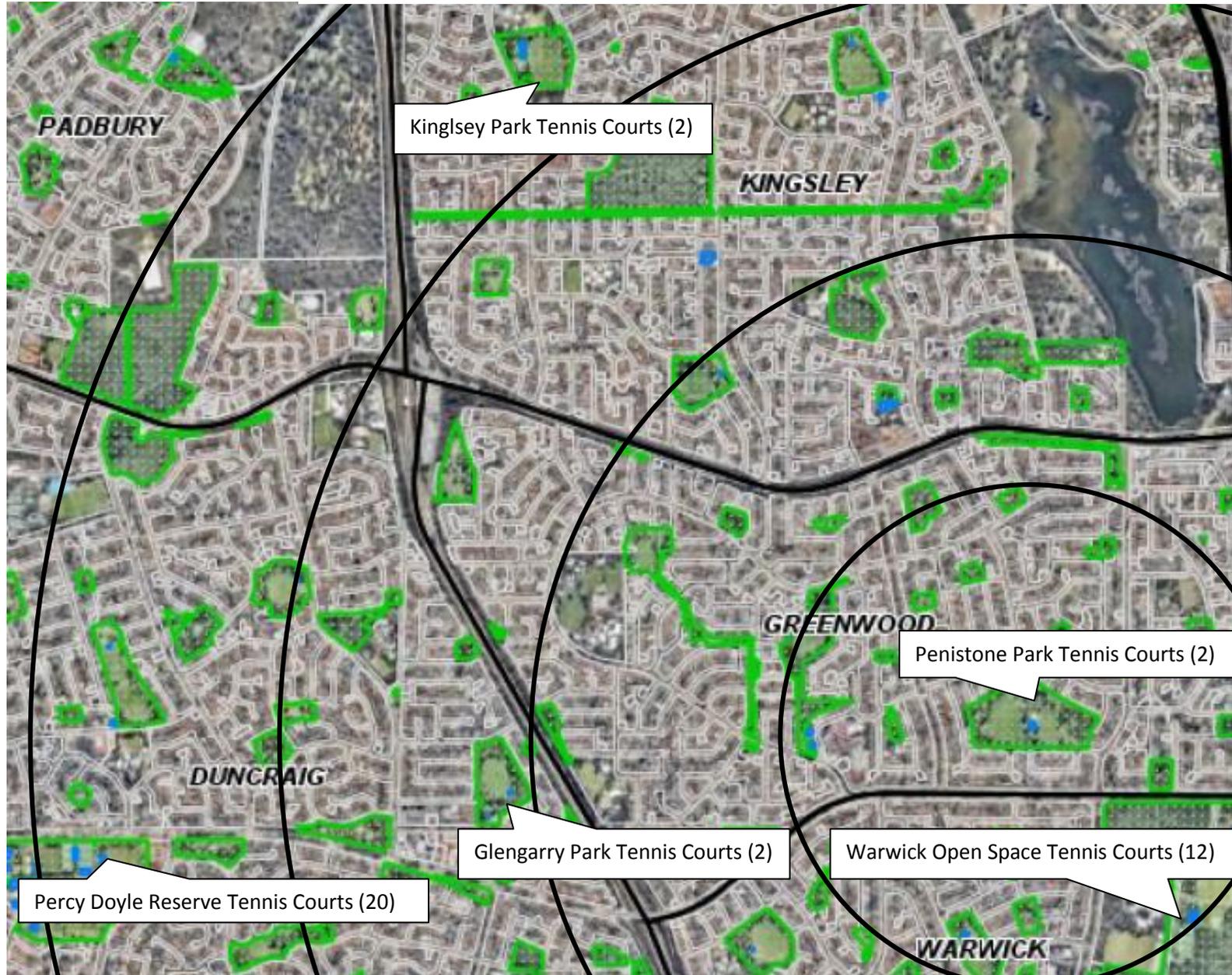


Item	Description	Rate	Total
	-		
	ITEMISED SUMMARY		
	<u>All items are stand alone amounts which include Preliminaries, Design and Building Contingencies and Building cost Escalation (up to June 2016)</u>		
	<u>Facility - Building and fitout</u>		
1	Main Hall		290,000
2	Kitchen		140,000
3	Non-sporting storage		130,000
4	Toilets/changerooms/sport storage, etc.		1,003,000
5	Verandah north of building		40,000
6	Special equipment to Facility such as whitegoods and loose furniture and internal caging to user group store		36,000
7	CCTV installation		82,000
	<u>Provisional sums</u>		
8	Photovoltaic panels (Re-use existing system) Add \$20,000 for new system		38,000
9	Signage (Provisional sum)		4,400
10	Temporary facilities, storage, changerooms and toilets (Provisional sum)		62,500
11	Extention/upgrading of the Carine Radio Control Car Club facilities (Provisional Sum)		12,500
	<u>External works</u>		
12	External services to facility (Stormwater, sewer, water, gas and electrical)		230,400
13	3-on-3 basket ball pad		13,000
14	Picnic shelter and setting, BBQ and light pole at playground		42,500
15	Tennis hit-up wall including light pole		25,000
16	Cricket nets including retaining wall		121,000
17	Power supply to Cricket Nets		29,400
18	Site preparation such as demolitions and site clearing, including:		133,000
19	- demolition of single story clubhouse		
20	- demolition of existing basket ball court		
21	- demolition of tennis courts		
22	- demolition of sheds		
23	- demolition of concrete seat		
24	- demolition of picnic shelters		
25	- grub out and remove trees		
26	- clear site and regrade to prepare for building pad		
27	- remove concrete pathways (770m ²)		
28	- remove timber pole fence and rails		
29	Paths and pedestrian paving		56,000
30	Soft landscaping and benches, including reinstatement of turf		153,000
31	New car park and entrance road, including external lighting		348,300
32	Relocation of existing playground and new play equipment		104,000



- LEGEND
- 1 NEW COMMUNITY SPORTING FACILITY
 - 2 NEW CRICKET PRACTICE NETS (4)
 - 3 NEW 3 ON 3 BASKETBALL PAD
 - 4 NEW SHELTER WITH PICNIC SETTING
 - 5 NEW BBQ
 - 6 NEW HIT UP WALL
 - 7 NEW PLAYGROUND
 - 8 EXISTING DRINKING FOUNTAIN
 - 9 RETAINED PLAY EQUIPMENT
 - 10 EXISTING FLOODLIGHTS

Tennis Court Locations within South West and South East Wards
Circles at 1 km intervals





ATTACHMENT 4

1. PROVIDE A 1P100 UNDERGROUND POWER CONDUIT FROM THE NEW SITE MAIN SWITCHBOARD TO MSB1 (EXISTING) SITE MAIN SWITCHBOARD TO ACCOMMODATE THE NEW SUBMAIN CABLING.
2. REMOVE THE EXISTING WESTERN POWER METER FROM THE EXISTING SWITCHBOARD AND REPLACE THE METER BACK BOARD WITH NEW TO ENSURE IP2X SEGREGATION IS MAINTAINED. RELABEL SWITCHBOARD AS MSB1.
3. PROVIDE A 1P50 UNDERGROUND CONDUIT FROM THE SMSB TO THE EARTH PIT.
4. NOTE, THERE IS AN EXISTING POWER SUPPLY FROM MSB1 TO THE EXISTING PAVILION. THE EXACT ROUTE LOCATION IS UNKNOWN. CABLE SCAN TO IDENTIFY ALL EXISTING UNDERGROUND SERVICES PRIOR TO TRENCHING TO AVOID CLASHES AND DAMAGE TO EXISTING SERVICES.
5. ALL NEW CABLE PITS SHALL BE BURIED 300mm BELOW FINISHED GROUND LEVEL.

- LEGEND**
- SPORTS LIGHTS - POLE MOUNTED, QUANTITY AS INDICATED. (REFER TO TYPICAL DETAIL). PILES SHALL BE LOCATED A MINIMUM OF 5m AWAY FROM PLAYING FIELD.
 - FUTURE SPORTS LIGHTING (PROVIDE SPACE PROVISION ONLY)
 - POWER PIT - ACO CABLE MATE - TYPE 45 POLYMER CONCRETE WITH STEEL POWERLOK LID.
 - EARTH PIT - TYPE ACO CABLE MATE TYPE 33
 - COMMUNICATIONS PIT - ACO CABLE MATE - TYPE 45 POLYMER CONCRETE WITH STEEL POWERLOK LID.
 - SMSB SITE MAIN SWITCHBOARD
 - DISTRIBUTION BOARD
 - UNDERGROUND POWER CONDUIT
 - UNDERGROUND COMMUNICATIONS CONDUIT
 - IP100 INDICATES 1 x 100 DIA POWER CONDUIT
 - IP63 INDICATES 1 x 63 DIA POWER CONDUIT
 - 2P100 INDICATES 2 x 100 DIA POWER CONDUIT
 - IP80 INDICATES 1 x 80 DIA POWER CONDUIT
 - IP50 INDICATES 1 x 50 DIA POWER CONDUIT
 - IC50 INDICATES 1 x 50 DIA COMMUNICATIONS CONDUIT
 - (E) EXISTING DEVICE TO REMAIN
 - (R) EXISTING DEVICE TO BE REMOVED
 - SUPPLY AUTHORITY POWER POINT OF SUPPLY (UNI-PILLAR)
 - AUTO MACB
 - ISOLATOR ON LOAD SWITCHING
 - NORMALLY OPEN CONTACTOR (4-POLE)
 - FUTURE NORMALLY OPEN CONTACTOR (4-POLE) (PROVIDE SPACE PROVISION ONLY)
 - COMBINED RCD / MCB
A = TRIP RATING, B = No. OF PHASES
 - FUTURE COMBINED RCD / MCB
A = TRIP RATING, B = No. OF PHASES (PROVIDE SPACE PROVISION ONLY)
 - SINGLE PHASE & NEUTRAL
 - THREE PHASE & NEUTRAL
 - RELAYS WHERE 'n' DENOTES RELAY IDENTIFICATION
 - FUTURE RELAYS WHERE 'n' DENOTES RELAY IDENTIFICATION (PROVIDE SPACE PROVISION ONLY)
 - CONTACTOR WHERE 'n' DENOTES IDENTIFICATION
 - POWER ANALYSER
 - WESTERN POWER KWH METER COMPLETE WITH FUSES.
 - SURGE DIVERTER
 - HRC FUSE
A= CARTRIDGE SIZE, B= HOLDER RATING
 - CURRENT TRANSFORMER
A = No. OF PHASES
 - TIME CLOCK
 - THERMOSTAT FOR CONDENSATION HEATER
 - CONDENSATION HEATER
 - EARTH
 - TIME DELAY RELAY (RTA) WHERE 'n' DENOTES IDENTIFICATION NUMBER
 - FUTURE TIME DELAY RELAY (RTA) WHERE 'n' DENOTES IDENTIFICATION NUMBER (PROVIDE SPACE PROVISION ONLY)
 - TERMINAL
 - 240/24V TRANSFORMER

REV	DATE	DESCRIPTION	CHECK
3	24.06.15	REVISED TO SUIT CLIENT CHANGES	PJ
2	07.03.13	REVISED TENDER ISSUE	PJ
1	27.02.13	REVISED TENDER ISSUE	PJ
0	19.02.13	TENDER ISSUE	PJ

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 E: info@bestconsultants.com.au
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ADMIRAL PARK SPORT LIGHTING
 ELECTRICAL SERVICES
 LEGEND & SITE SERVICES LAYOUT

DRAWN	S.MAINALI	DESIGNED	P.JEFFS	DRAWING No.	E.01 4
CHECKED	P.JEFFS	DATE	FEB 2013		
APPROVED	P.JEFFS	SCALE	1:500 (A1)	BEST PROJECT N° 1213.222	

TENDER ISSUE
 REFER TO REVISION COLUMN

THIS IS A CADD DRAWING
 DO NOT AMEND MANUALLY
 PLOT BY: LBRANDIS
 PLOT DATE: Jun-24-15



SITE PLAN
 SCALE 1:500 (APPROXIMATELY)

From: Leonard Brandis [<mailto:l.brandis@bestconsultants.com.au>]
Sent: Wednesday, 24 June 2015 2:42 PM
To: Rowan, Tony
Cc: Paul Jeffs
Subject: FW: Admiral Park Redevelopment - Electrical Services Documentation

ATTACHMENT 5

Hello Tony,

Please find the revised drawings attached as requested and estimates below for the 3 options.

Please note the following (advised Paul prior, may no longer apply):

1. The proposed sand pit will require relocation due to the pole location, unfortunately the pole must be located as indicated to comply with AS2560.

Lastly we estimate the probable order of costs as follows:

Option 1: Both Fields Floodlight to AS 2560.2.3-2007 (Football) amateur level ball and physical training

▪ Western Power Works (CT meter & commissioning)	\$ 3,500
▪ Site main switchboard	\$ 30,000
▪ Lighting Control and relays	\$ 5,000
▪ Light Poles	\$ 180,000
▪ Flood Lights	\$ 32,000
▪ Trenching & Underground conduit.	\$ 29,000
▪ Cable Pits	\$ 8,000
▪ Cabling	\$ 60,000
▪ Removal of redundant	\$ 5,000
Total excluding contingency	\$ 352,500 plus GST.

Option 2: Field 1 Floodlight to AS 2560.2.3-2007 (Football) amateur level ball and physical competition, Field 2 Floodlight to AS 2560.2.3-2007 (Football) amateur level ball and physical training

▪ Western Power Works (CT meter & commissioning)	\$ 3,500
▪ Site main switchboard	\$ 30,000
▪ Lighting Control and relays	\$ 5,500
▪ Light Poles	\$ 180,000
▪ Flood Lights	\$ 48,000
▪ Trenching & Underground conduit.	\$ 29,000
▪ Cable Pits	\$ 8,000
▪ Cabling	\$ 90,000
▪ Removal of redundant	\$ 5,000
Total excluding contingency	\$ 399,000 plus GST.

Option 3: Both Fields Floodlight to AS 2560.2.3-2007 (Football) amateur level ball and physical competition

▪ Western Power Works (CT meter & commissioning)	\$ 3,500
▪ Site main switchboard	\$ 30,000
▪ Lighting Control and relays	\$ 6,000
▪ Light Poles	\$ 180,000
▪ Flood Lights	\$ 64,000
▪ Trenching & Underground conduit.	\$ 29,000
▪ Cable Pits	\$ 8,000
▪ Cabling	\$ 120,000
▪ Removal of redundant	\$ 5,000
Total excluding contingency	\$ 445,500 plus GST.

Regards,

LEONARD BRANDIS
Electrical Designer



10 years on....and still the BEST 2005 – 2015

Address 575 Newcastle St. West Perth WA 6005 **Mail** PO Box 148, Leederville WA 6903

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green building council australia

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ANALYSIS OF 'ADMIRAL PARK, HEATHRIDGE — SPORTS FLOODLIGHTING PROJECT' SURVEY

The following provides an analysis of the quantitative and qualitative data gathered from the *Admiral Park, Heathridge — Sports Floodlighting Project* Survey conducted with residents between 1 June and 22 June 2015.

BACKGROUND

The City consulted directly with the following stakeholders:

- Local residents within 200 metres of Admiral Park;
- Heathridge Residents Association; and
- Representatives from current park user groups.

This was undertaken by way of a hard-copy survey form sent to residents' addresses (together with a cover letter and information brochure). The consultation was also advertised to the general public on the City's websites and social media. Members of the public were able to complete a survey form via the City's website, or were able to contact the City for a hard-copy.

RESPONSE RATES

Hard-copy surveys were sent to 296 local residents/and owners within a 200 metre radius of Admiral Park and four were sent to current park user groups.

The City collected a combined total of 50 responses. Of the 50 responses received, 48 were assessed as valid responses¹. These are summarised in Table 1 and Table 2 below.

Table 1: Survey responses by collection method

Type of survey completed	Responses	
	N	%
Hard-copy survey	42	87.5%
Online survey	6	12.5%
Total (valid) responses	48	100.0%

Table 2. Responses by location of respondent

Location of respondent (vicinity to proposed park)	Responses	
	N	%
Respondent resides within 200m	41	85.4%
Respondent does not reside within 200m	7	14.6%
Total (valid) responses	48	100.0%

¹ N.b. a "valid" response is one which includes the respondent's full contact details, they have responded within the advertised consultation period and for which multiple survey forms have not been submitted by the same household.

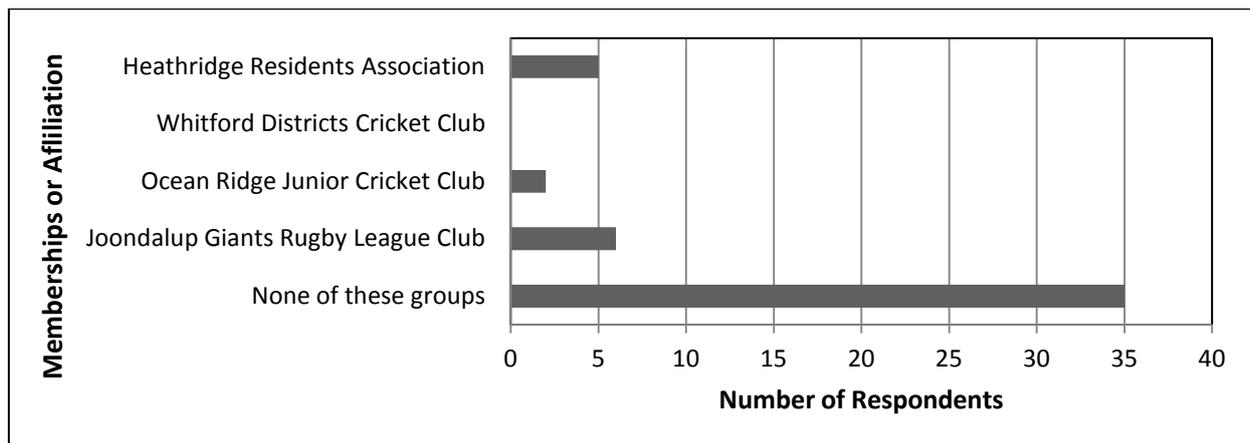
IDENTIFIED USER GROUPS

Of the 48 valid responses received, 13 respondents stated that they were affiliated with an organisation/group that utilised Admiral Park for a variety of activities. Most notably, 72.9% of the responses received were from residents who don't affiliate themselves with one of the user groups. This data is summarised in Table 3 and Chart 1 below.

Table 3. Responses by respondent affiliation to identified user groups

Identified user groups	Responses	
	N	%
Member of Joondalup Giants Rugby League Club	6	12.5%
Member of Ocean Ridge Junior Cricket Club	2	4.2%
Member of Whitford District Cricket Club	0	0%
Member of Heathridge Residents Association	5	10.4%
Status not identified/None of these groups	35	72.9%
Total (valid) responses	48	100%

Chart 1. Responses by respondent affiliation to identified user groups



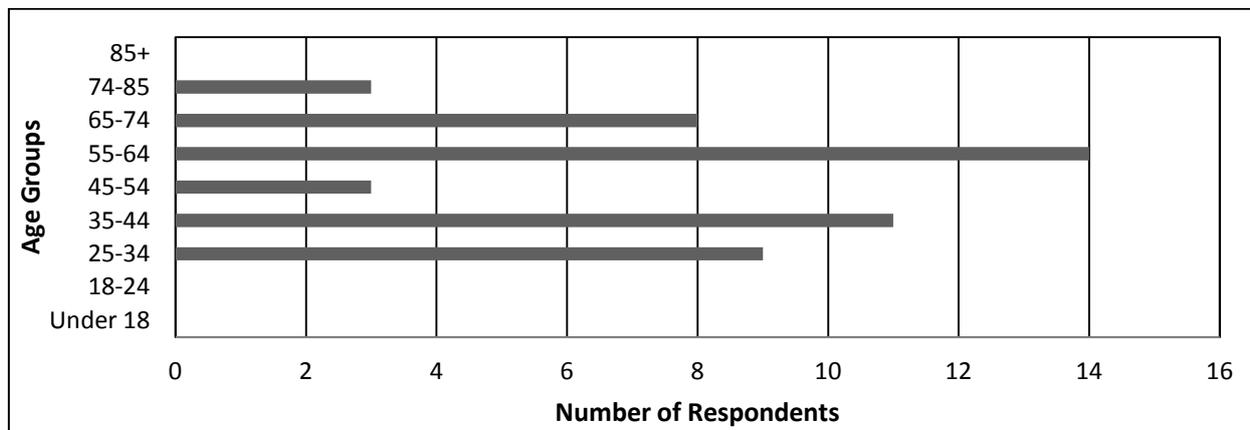
DEMOGRAPHICS

A total of 48 respondents provided a response to this question. Of these, over one quarter were completed by people aged 55-64 and further quarter by people aged 35-44. People aged 35-44 and 55-64 represent significant segments of the local population, so it is expected that a large response from these age groups would be received. This data is summarised in Table 4 and Chart 2 below.

Table 4. Responses by age

Age groups	Responses	
	N	%
Under 18 years of age	0	0%
18-24 years of age	0	0%
25-34 years of age	9	18.6%
35-44 years of age	11	22.9%
45-54 years of age	3	6.3%
55-64 years of age	14	29.2%
65-74 years of age	8	16.7%
75-84 years of age	3	6.3%
85+ years of age	0	0%
Total (valid) responses	48	100.0%

Chart 2. Survey responses by age



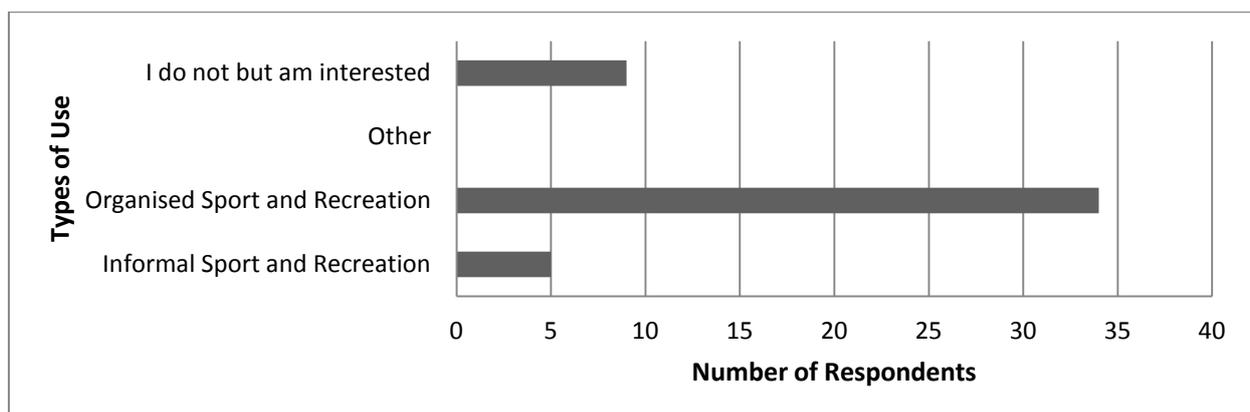
QUESTION 1 – “HOW DO YOU CURRENTLY USE ADMIRAL PARK?”

A total of 48 respondents provided a response to this question. Of the responses, 80% stated that they used Admiral Park for informal recreation. This data are summarised in Table 5 and Chart 3 below.

Table 5. Types of responses to the question: “How do you currently use Admiral Park?”

Type of park usage	Responses	
	N	%
Organised sport or recreation	34	70.9%
Informal recreation	5	10.4%
Other	0	0%
I do not currently use Admiral Park, but I am interested in the project	9	18.7%
Total (valid) responses	48	100%

Chart 3. Survey responses by type of use



QUESTION 2 – “The City is proposing to upgrade the sports floodlighting around the playing field of Admiral Park to meet the Australian Standards for football (all codes) up to amateur competition standard (AS2560.2.3) and the control of obtrusive light effects of outdoor lighting (AS4282). Please indicate your level of support for this proposal by ticking the most appropriate box below.”

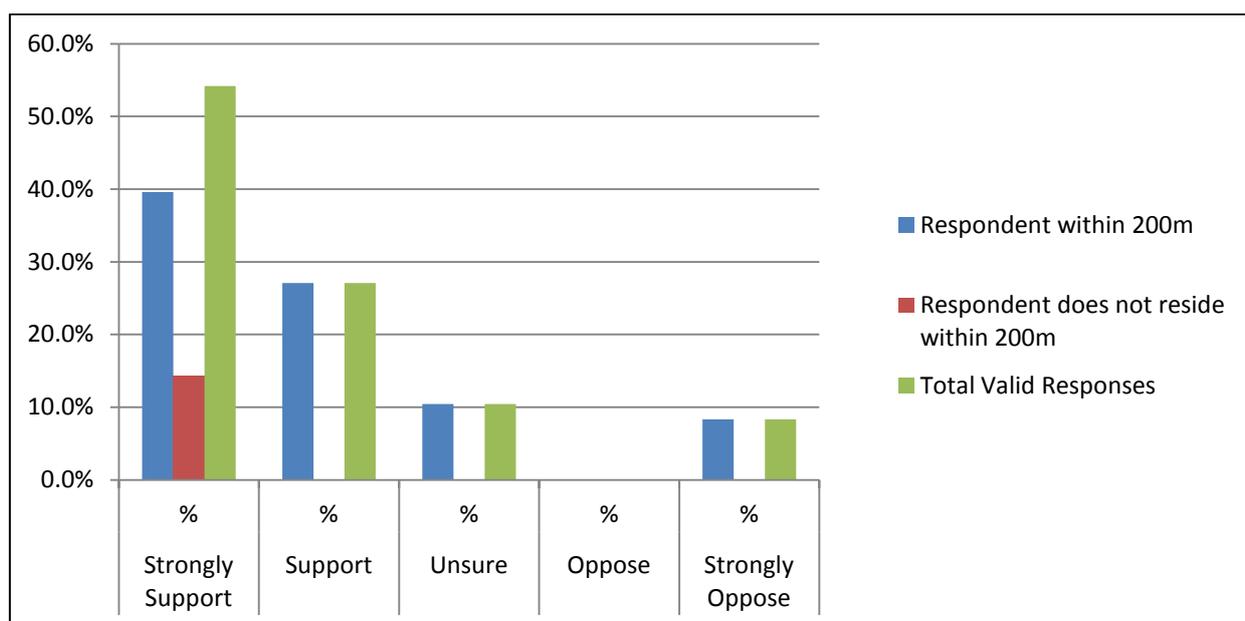
Respondents were asked to indicate their level of support for the installation of six floodlights around the playing field of Admiral Park on a 5–point scale (“strongly support” to “strongly oppose”) for competition level Australian Standard sports floodlighting.

Results have been analysed to determine the level of support for respondents within the 200m of Admiral Park, and respondents that do not reside within 200m. Overall 81.3% of respondents either supported or strongly supported the installation of Australian Standard sports floodlighting. The results have been summarised in Table 6 and Chart 4 below.

Table 6. Level of support for the installation of Australian Standard sports floodlighting

	Strongly Support		Support		Unsure		Oppose		Strongly Oppose	
	N	%	N	%	N	%	N	%	N	%
Respondent within 200m	19	39.6%	13	27.1%	5	10.4%	0	0.0%	4	8.3%
Respondent does not reside within 200m	7	14.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total (valid) responses	26	54.2%	13	27.1%	5	10.4%	0	0%	4	8.3%

Chart 4. Level of support for the installation of Australian Standard sports floodlighting



QUESTION 3 — “IF YOU WOULD LIKE TO ELBORATE ON YOUR LEVEL OF SUPPORT FOR THE INSTALLATION OF SPORTS FLOODLIGHTING AROUND THE PLAYING FIELD OF ADMIRAL PARK, PLEASE TELL US WHY.”

Respondents were asked to provide comments to explain their support or opposition. Of the four respondents that opposed the installation, four provided reasons for their opposition. The results have been summarised in Table 7 below. The main reasons for opposition included: respondents’ belief that the lights will have a greater impact on the amount of parking; the increase in usage and noise at the park and concerns regarding the higher level of light. Several responses that were supportive of the floodlights also provided comments. These have been summarised in Table 8 below.

Table 7. Summary of reasons for opposition to proposed sports floodlighting in Admiral Park²

Reasons	Responses	
	N	%
Believe it will attract more noise to the area (in general)	1	11%
Believe it will have a greater impact on parking (in general)/ Are already concerned about the parking	4	44%
Believe the increased level of light will impact on their amenity	3	33%
Believe improved lighting will increase traffic and impact on the local residents negatively	1	11%
Total comments made	9	100%

Table 8. Summary of reasons of support for proposed sports floodlighting in Admiral Park³

Reasons	Responses	
	N	%
Believe it will it improve the park and its facilities	2	8%
Believe it will have a positive impact on the level of security and safety at the park	6	23%
Believe it is a positive addition to the park for the local community and sports clubs	17	65%
Support proposal but still concerned about impact on parking	1	4%
Total comments made	26	100%

² N.b. some respondents provided more than one reason. Percentage is determined by the total number of comments made.

³ N.b. some respondents provided more than one reason. Percentage is determined by the total number of comments made.

QUESTION 4 — “DO YOU HAVE ANY ADDITIONAL COMMENTS ABOUT THE SPORTS FLOODLIGHTING AT ADMIRAL PARK?”

Respondents were asked if they had any further comments on the proposed installation of sports floodlighting at Admiral Park. A total of 25 respondents provided comments. The results have been summarised in Table 9 below.

Table 9. Summary of further comments provided by respondents

Level of support	Responses	
	N	%
Compliment the City on the current park amenity and proposed lighting improvement	12	48%
Would like to see more park facilities (i.e. shade shelter, seating and BBQ)	2	8%
Concerned about parking	7	28%
Would like to see an increase in surrounding path/street parking	1	4%
Park needs more bins/concerned about rubbish	3	12%
Total comments made	25	100%