

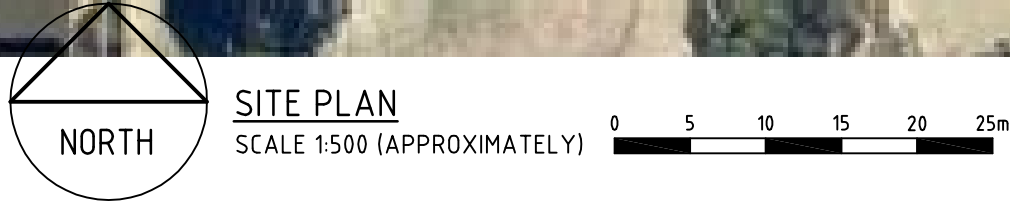
NOTES

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). POLES 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
- 1P100 INDICATES 1 x 100 DIA POWER CONDUIT
- 1P63 INDICATES 1 x 63 DIA POWER CONDUIT
- 2P100 INDICATES 2 x 100 DIA POWER CONDUIT
- 1P80 INDICATES 1 x 80 DIA POWER CONDUIT
- 1P50 INDICATES 1 x 50 DIA POWER CONDUIT
- 1C50 INDICATES 1 x 50 DIA COMMUNICATIONS CONDUIT
- (E) EXISTING DEVICE TO REMAIN
- (R) EXISTING DEVICE TO BE REMOVED
- 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

LUMINARE SCHEDULE		
TYPE	DESCRIPTION	LAMP
PM1	FLOODLIGHT - THORN CHAMPION 2kW/4.15V. FIXTURE INSTALLED TO POLES AS INDICATED ON THE DRAWINGS. CONTACT FRAZIER NICOL 04.07 944 829.	2kW MH
PM2	FLOODLIGHT - THORN CHAMPION 1kW/4.15V. FIXTURE INSTALLED TO POLES AS INDICATED ON THE DRAWINGS. CONTACT FRAZIER NICOL 04.07 944 829.	1kW MH
POLE 1	25m TAPERED OCTAGONAL COLUMN TO ACCEPT FOUR FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR FOUR FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 2	25m TAPERED OCTAGONAL COLUMN TO ACCEPT FOUR FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR FOUR FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 3	25m TAPERED OCTAGONAL COLUMN TO ACCEPT FOUR FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR FOUR FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 4	25m TAPERED OCTAGONAL COLUMN TO ACCEPT FOUR FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR FOUR FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 5	18m TAPERED OCTAGONAL COLUMN TO ACCEPT TWO FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR TWO FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 6	18m TAPERED OCTAGONAL COLUMN TO ACCEPT THREE FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR THREE FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 7	18m TAPERED OCTAGONAL COLUMN TO ACCEPT ONE FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR ONE FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 8	18m TAPERED OCTAGONAL COLUMN TO ACCEPT THREE FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR THREE FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 9	18m TAPERED OCTAGONAL COLUMN TO ACCEPT TWO FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR TWO FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 10	18m TAPERED OCTAGONAL COLUMN TO ACCEPT THREE FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR THREE FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A
POLE 11	18m TAPERED OCTAGONAL COLUMN TO ACCEPT TWO FLOODLIGHTS IN TOTAL. LIGHT POLE TO ACCOMMODATE THE CONTROL GEAR FOR TWO FLOODLIGHTS INTEGRALLY AND PROVIDE ACCESS PANELS FOR EACH CONTROL GEAR LOCATION FOR MAINTENANCE.	N/A



SITE PLAN  
SCALE 1:500 (APPROXIMATELY)

PRELIMINARY ISSUE  
REFER TO REVISION COLUMN

REV	DATE	DESCRIPTION	CHECK
A	26.06.15	ISSUED FOR DESIGN DEVELOPMENT	LB

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WARRANDYTE PARK SPORT LIGHTING  
ELECTRICAL SERVICES  
LEGEND & SITE SERVICES LAYOUT

DRAWN	L BRANDIS	DESIGNED	L BRANDIS	DRAWING No.	E.01 A
CHECKED	P. JEFFS	DATE	JUNE 2015		
APPROVED	P. JEFFS	SCALE	1:500 (A1)	BEST PROJECT N° P5319	

THIS IS A CAD DRAWING  
DO NOT AMEND MANUALLY

PLOT BY: L BRANDIS  
PLOT DATE: Jun-26-15



**From:** Leonard Brandis [<mailto:l.brandis@bestconsultants.com.au>]  
**Sent:** Monday, 29 June 2015 9:02 AM  
**To:** Rowan, Tony  
**Cc:** Paul Jeffs  
**Subject:** Warrandyte Park Sports Lighting

Hello Tony,

Please find the attached drawings for design development and the cost options as requested. Please note I have had to place more poles with 1000W fittings to comply with glare issues on the upper field.

I will see if Thorn can come up with a more efficient design.

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

▪ Western Power Switchboard Works (CT meter & commissioning)	\$ 3,500
▪ Site main switchboard	\$ 30,000
▪ Western Power substation Upgrade	\$ 50,000
▪ Lighting Control and relays	\$ 5,000
▪ Light Poles	\$245,000
▪ Flood Lights	\$ 48,000
▪ Trenching & Underground conduit.	\$ 43,000
▪ Cable Pits	\$ 9,000
▪ Cabling	\$ 15,000
▪ Removal of redundant	\$ 5,000
<b>Total excluding contingency</b>	<b>\$ 453,500 plus GST.</b>

**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 Switchboard Works (CT meter & commissioning)	\$ 3,500
▪ Site main switchboard	\$ 30,000
▪ Western Power substation Upgrade	\$ 50,000
▪ Lighting Control and relays	\$ 5,500
▪ Light Poles	\$ 245,000
▪ Flood Lights	\$ 64,000
▪ Trenching & Underground conduit.	\$ 43,000
▪ Cable Pits	\$ 9,000
▪ Cabling	\$ 21,000
▪ Removal of redundant	\$ 5,000
<b>Total excluding contingency</b>	<b>\$ 476,500 plus GST.</b>

Regards,

**LEONARD BRANDIS**  
**Electrical Designer**



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

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**Telephone** +61 8 9227 0300 [www.bestconsultants.com.au](http://www.bestconsultants.com.au)



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- A** EXISTING COMMUNITY SPORTING FACILITY
- B** SOCCER PITCH
- C** EXISTING PLAYGROUND PROPOSED TO BE REMOVED
- D** PROPOSED NEW PLAYGROUND
- E** PROPOSED PATH NETWORK
- F** PROPOSED LIMESTONE RETAINING WALLS, TURF SEATING AREAS AND FENCING
- G** PROPOSED LIMESTONE RETAINING WALLS AND FENCING
- H** PROPOSED SPORTS FLOODLIGHTING
- I** PROPOSED VEHICULAR BARRIER / BOLLARD TO AUSTIN WAY FRONTAGE
- J** EXISTING TREES TO BE REMOVED SHOWN DASHED
- K** EXISTING DRAINAGE SYSTEM
- L** FUTURE PROPOSED CAR PARKING





Item	Description	Rate		Total
	<b><u>EXECUTIVE SUMMARY</u></b>			
1	Upgrade Works			340,100
2	Allowance for Small Works Margin	10	%	34,100
	<b>Subtotal</b>			<b><u>374,200</u></b>
3	Allowance for Contingencies	5	%	18,800
	<b>Subtotal</b>			<b><u>393,000</u></b>
4	Professional fees			15,000
	<b><u>ESTIMATED TOTAL COMMITMENT (Excl GST)</u></b>			<b><u>408,000</u></b>
	<b><u>NOTES &amp; EXCLUSIONS</u></b>			
5	The rates used in this Opinion of Probable Cost are based on the works being procured via a conventional, tendered procurement process			
6	This Opinion of Probable Cost is not a cost control document and should not be used for construction contract or ordering purposes			
	<b><u>This Opinion of Probable Cost is based on the following documents:</u></b>			
7	COJ Schematic Plan dated 2016.04.12			
	<b><u>The following has been specifically excluded from this OPC for which separate provision should be made as required</u></b>			
8	Survey fees			
9	Allowance for bad ground & rock			
10	Works outside the boundary			
11	New playground/demolition of existing			
12	Future Carparking			
13	Line marking of playing fields			
14	Cost escalation beyond May 2016			
15	Goods and Tax Services			

Item	Description	Qty	Unit	Rate	Total
<b>1</b>	<b>Upgrade Works</b>				
	<u>TRADES</u>				
1.1	Site Preparation				35,800
1.2	Bulk Earthworks				19,800
1.3	Footpaths and Paved Areas				28,700
1.4	Boundary Walls, Fencing & Gates				79,000
1.5	Landscaping and Improvements				80,800
1.6	Draignage				50,000
1.7	Electrical				15,000
	<u>Subtotal</u>				<b><u>309,100</u></b>
1.8	Preliminaries	10	%		31,000
	<u>To Executive Summary</u>				<b><u>340,100</u></b>

Item	Description	Qty	Unit	Rate	Total
2	<b>Professional fees</b>				
	<u>Professional fees as per COJ email dated 8/06/16</u>				
2.1	Landscape Architect				10,000
2.2	Structural Engineer				5,000
	<u>To Executive Summary</u>				<u>15,000</u>

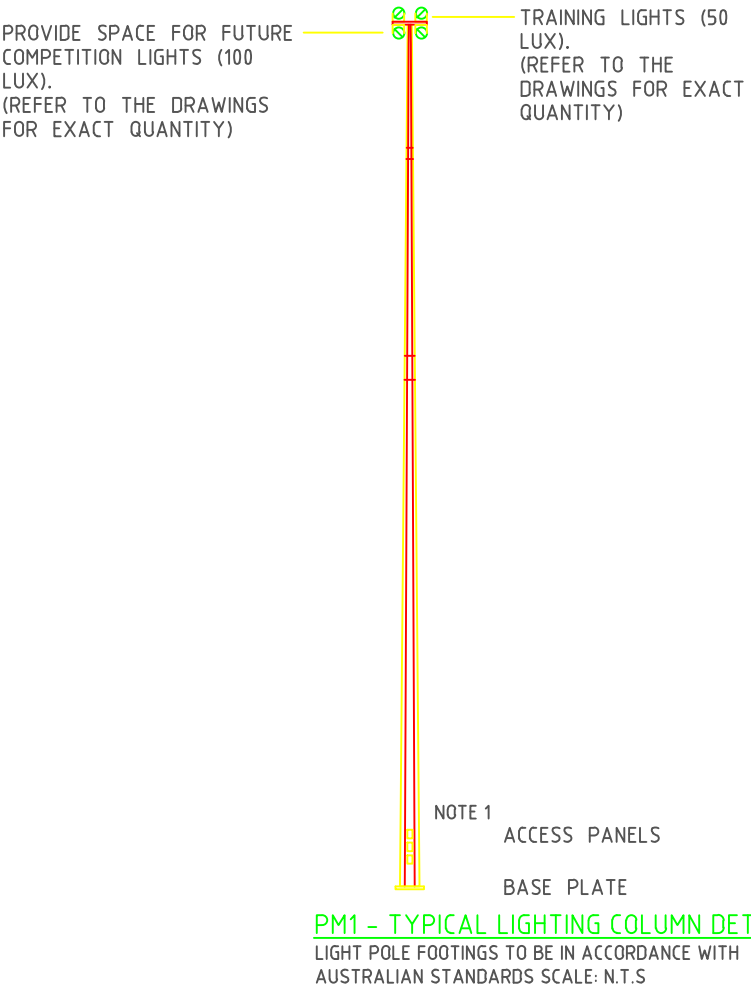
Item	Description	Qty	Unit	Rate	Total
<b>1</b>	<b>Upgrade Works</b>				
<b>1.1</b>	<b><u>Site Preparation</u></b>				
1	Remove trees (small)	2	No	300.00	600
2	Remove trees (medium)	5	No	550.00	2,750
3	Remove trees (large)	1	No	950.00	950
4	Clear site of turf and set aside 100mm topsoil for re-use	2,820	m2	10.00	28,200
5	Extra over for removal of unsuitable topsoil from site	220	m3	15.00	3,300
	<b><u>To Trade Summary</u></b>				<b>35,800</b>
<b>1.2</b>	<b><u>Bulk Earthworks</u></b>				
6	Bulk earthworks (after removal of turf and topsoil) to level playing surface and surrounds, and to remove embankments for retaining walls	950	m3	10.00	9,500
7	Backfilling behind retaining walls (from material excavated on site)	150	m3	15.00	2,250
8	Removal of excess excavated material from site	800	m3	10.00	8,000
	<b><u>To Trade Summary</u></b>				<b>19,750</b>
<b>1.3</b>	<b><u>Footpaths and Paved Areas</u></b>				
9	Excavation to reduce levels for new footpaths, spoil to be removed off site	70	m3	25.00	1,750
10	Breakout existing concrete path to blend/tie in with new	8	m2	40.00	320
11	Concrete path incl. thick compacted sand bedding	307	m2	80.00	24,560
12	Allow for sundry works		Item		2,000
	<b><u>To Trade Summary</u></b>				<b>28,630</b>
<b>1.4</b>	<b><u>Boundary Walls, Fencing &amp; Gates</u></b>				
13	1000 high Limestone retaining walls	180	m	350.00	63,000
14	1500 high Chainlink fence to top of wall	105	m	65.00	6,825
15	Timber bollards	30	No	130.00	3,900
16	Anti-graffiti coating to limestone walls	231	m2	22.50	5,198
	<b><u>To Trade Summary</u></b>				<b>78,923</b>
<b>1.5</b>	<b><u>Landscaping and Improvements</u></b>				
	<b><u>Landscaping</u></b>				
17	New turf to disturbed areas - behind retaining walls	360	m2	15.00	5,400
18	New turf to disturbed areas - playing surface and surrounds	1,720	m2	15.00	25,800
19	Allow for the supply and installation of semi mature trees (as per COJ)	12	No	1,000	12,000
	<b><u>Irrigation</u></b>				
20	Allow for removal and relocation of existing main line to the new southern wall	106	m	100.00	10,600
21	Allow for modifications to reticulation system including new sprinkler heads as required		Item		15,000
	<b><u>Sports Equipment</u></b>				
22	Allow for relocating existing soccer goal posts on field		Item		3,000

Item	Description	Qty	Unit	Rate	Total
<b>1</b>	<b>Upgrade Works</b>				<i>(Continued)</i>
<b>1.5</b>	<b>Landscaping and Improvements</b>				<i>(Continued)</i>
23	Allow for goal posts to field		Item		9,000
	<b>To Trade Summary</b>				<b>80,800</b>
<b>1.6</b>	<b>Draignage</b>				
24	Allow for relocation of existing stormwater drain and pipe (as per COJ Draignage Coordinator)		Item		50,000
	<b>To Trade Summary</b>				<b>50,000</b>
<b>1.7</b>	<b>Electrical</b>				
25	Allow for relocation of existing sports floodlighting (as per COJ Coordinator Electrical)		Item		15,000
	<b>To trade Summary</b>				<b>15,000</b>





- NOTES**
1. NEW SPORTS LIGHTING POLES TO BE SET BACK A MINIMUM 5000mm FROM THE PRINCIPAL PLAYING AREA BOUNDARY.
  2. NOTE, THERE ARE EXISTING UNDERGROUND POWER CONDUITS IN CLOSE PROXIMITY TO THE PROPOSED SITE WORKS. THE EXACT ROUTE OF EXISTING CONDUITS IS UNKNOWN. TO AVOID CLASHES AND RISK OF DAMAGE, IDENTIFY EXISTING UNDERGROUND SERVICES PRIOR TO TRENCHING BY MEANS OF CABLE SCANNING.
  3. EXISTING SITE MAIN SWITCHBOARD TO REPLACE EXISTING. REMOVE EXISTING SWITCHBOARD AND CLIENT POLE UPON COMPLETION OF THE WORKS.
  4. PROVIDE 1P25mm UNDERGROUND CONDUIT FROM THE NEW SITE MAIN SWITCHBOARD TO THE NEW EARTH PIT.
  5. EXISTING LIGHT POLE AND FLOODLIGHTS TO BE REMOVED.
  6. CABLE PIT & CONCRETE SURROUND TO BE BURIED 300mm BELOW GROUND LEVEL. REFER TO SPECIFICATION FOR FURTHER DETAILS.
- LEGEND**
- SPORTS FLOODLIGHTS - POLE MOUNTED, QUANTITY AS INDICATED (REFER TO TYPICAL DETAIL & LUMINAIRE SCHEDULE FOR DETAILS)
- POWER PIT - ACO CABLE MATE- TYPE 66 POLYMER CONCRETE WITH STEEL POWERLOK LID - NOTE 6
- EARTH PIT - TYPE ACO CABLE MATE TYPE 33
- COMMUNICATIONS PIT - ACO CABLE MATE- TYPE 45 POLYMER CONCRETE WITH STEEL POWERLOK LID - NOTE 6
- SITE MAIN SWITCHBOARD
- MSB1 - MAIN SWITCHBOARD
- BORE PUMP ENCLOSURE/CONTROL CABINET
- UNDERGROUND POWER CONDUIT
- UNDERGROUND COMMUNICATIONS CONDUIT
- INDICATIVE LOCATION OF EXISTING UNDERGROUND CONDUIT
- 1P100 INDICATES 1 x 100 DIA POWER CONDUIT  
2P100 INDICATES 2 x 100 DIA POWER CONDUIT  
1P80 INDICATES 1 x 80 DIA POWER CONDUIT  
1S100 INDICATES 1 x 100 DIA SPARE POWER CONDUIT  
1C50 INDICATES 1 x 50 DIA COMMUNICATIONS CONDUIT  
2C50 INDICATES 2 x 50 DIA COMMUNICATIONS CONDUIT  
(E) EXISTING DEVICE TO REMAIN



No.		REVISION				BY		DATE	AUTH	CDU	SURVEY INFORMATION		DATUM	GRID	SCALES	DESIGNED	APPROVED	<div>Forrest Park Sports Lighting PROJECT WORKS</div> <div>PADBURY</div>		<div></div> <div>CITY OF JOONDALUP</div> <div>000000000000000000</div> <div>A1</div>	REVISION No. <b>A</b>
A		DRAFT PLOT.				D.H		dd/mm/yyyy			N/A		N/A	N/A	AS SHOWN	David Hale	31/08/2015				
											DESIGN DIRECTORY:		HORIZONTAL	2.5 0 2.5 5 7.5 10 12.5	1:300	David Hale	31/08/2015				
											I:\CDS\ELECTRICAL PROJECTS		VERTICAL	2.5 0 2.5 5 7.5 10 12.5	1:300	Tony Rowan	31/08/2015				
											I:\CDS\VIEW\GENERAL ENGINEERING DRAWINGS										
											CD ROM ARCHIVE No.										
											N/A										

	50 Lux	100 Lux
Incoming mains/ sub mains up grade & Switchboards	\$ 58,663.02	\$ 58,663.02
Cabling & Conduit	\$ 70,871.59	\$ 92,658.65
Poles & Luminaries	\$ 155,567.34	\$ 173,967.56
Builders Works	\$ 10,622.51	\$ 10,622.51
Testing & Commissioning	\$ 12,651.21	\$ 12,651.21
<b>Total</b>	<b>\$ 308,375.66</b>	<b>\$ 348,562.94</b>



## ANALYSIS OF 'WARRANTYTE PARK, CRAIGIE — SPORTS FLOODLIGHTING PROJECT' SURVEY

The following provides an analysis of the quantitative and qualitative data gathered from the *Warrandyte Park, Craigie — 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 Warrandyte Park; 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 303 local residents/and owners within a 200 metre radius of Warrandyte Park and four were sent to current park user groups.

The City collected a combined total of 35 responses. Of the 35 responses received, 35 were assessed as valid responses<sup>1</sup>. 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	23	65.7%
Online survey	12	34.3%
<b>Total (valid) responses</b>	<b>35</b>	<b>100.0%</b>

**Table 2. Responses by location of respondent**

Location of respondent (vicinity to proposed park)	Responses	
	N	%
Respondent resides within 200m	30	85.7%
Respondent does not reside within 200m	5	14.3%
<b>Total (valid) responses</b>	<b>35</b>	<b>100.0%</b>

<sup>1</sup> 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 35 valid responses received, four respondents stated that they were affiliated with an organisation/group that utilised Warrandyte Park for a variety of activities. Most notably, 88.6% of the responses received were from respondents who don't affiliate themselves with one of the user groups. This data is summarised in Table 3 below.

**Table 3. Responses by respondent affiliation to identified user groups**

Identified user groups	Responses	
	N	%
Member of Whitford City Soccer Club	3	8.6%
Member of Perth City Soccer Club	1	2.9%
Status not identified/None of these groups	31	88.6%
<b>Total (valid) responses</b>	<b>48</b>	<b>100%</b>

**QUESTION 1 – “The City is proposing to upgrade the sports floodlighting around the playing fields of Warrandyte 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 floodlights around the playing field of Warrandyte Park on a 5-point scale (“strongly support” to “strongly oppose”) for competition level Australian Standard sports floodlighting. 34 Respondents provided a response to this question.

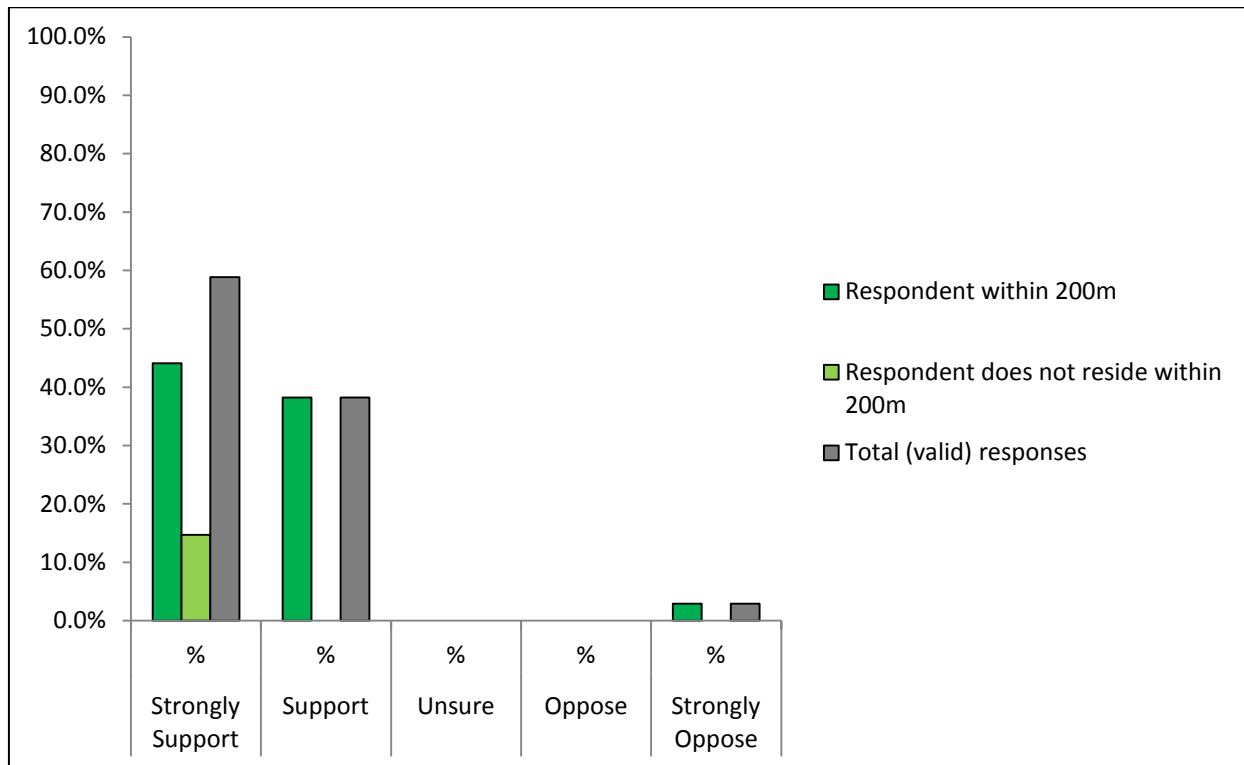
Results have been analysed to determine the level of support for respondents within the 200m of Warrandyte Park, and respondents that do not reside within 200m. Overall 81.3% of respondents either supported or strongly supported the installation of Australian Standard sports floodlighting. The results have been summarised in Table 6 and Chart 1 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	15	44.1%	13	38.2%	0	0.0%	0	0.0%	1	2.9%
Respondent does not reside within 200m	5	14.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>Total (valid) responses</b>	<b>20</b>	<b>58.8%</b>	<b>13</b>	<b>38.2%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>1</b>	<b>2.9%</b>

**Chart 1. Level of support for the installation of Australian Standard sports floodlighting**





**QUESTION 2 — “IF YOU WOULD LIKE TO ELBORATE ON YOUR LEVEL OF SUPPORT FOR THE INSTALLATION OF SPORTS FLOODLIGHTING AROUND THE PLAYING FIELDS OF WARRANDYTE PARK, PLEASE TELL US WHY.”**

Respondents were asked to provide comments to explain their support or opposition. Of the one respondents that opposed the installation, one provided reasons for their opposition. The respondent made comment that they were supportive of floodlights for local family park use, but were concerned about a lack of car parking available.

Of the 34 responses in support of the project, 17 provided comments in regards to the project.

**Table 8. Summary of reasons of support for proposed sports floodlighting in Admiral Park<sup>2</sup>**

Reasons	Responses	
	N	%
Support sport and an increase in physical activity	10	47.6%
Provide for increase security through more use of the park	8	38.0%
Concerned about the amount of car parking available	2	9.6%
Concerned about increase electricity usage and maintenance costs	1	4.8%
<b>Total comments made</b>	<b>21</b>	<b>100%</b>

<sup>2</sup> N.b. some respondents provided more than one comment. Percentage is determined by the total number of comments made.

**QUESTION 3 — “DO YOU HAVE ANY ADDITIONAL COMMENTS ABOUT WARRANDTYE PARK?”**

Respondents were asked if they had any further comments in regards to Warrandyte Park. A total of 20 respondents provided 21 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 recent path works	6	28.6%
Would like to see more park facilities (i.e. shade shelter, seating and BBQ)	5	23.8%
Concerned about parking	3	14.3%
Would like a publically accessible toilet	3	14.3%
Concerned about rubbish left after sporting use	2	9.6%
Concerned about level of car parking	2	9.6%
<b>Total comments made</b>	<b>21</b>	<b>100%</b>



## ANALYSIS OF 'FORREST PARK, PADBURY — PROPOSED IMPROVEMENT PROJECT' SURVEY

The following provides an analysis of the quantitative and qualitative data gathered from the *Forrest Park, Padbury — Proposed Improvement Project* Survey conducted between 13 June and 4 July 2016.

### BACKGROUND

The City consulted directly with the following stakeholders:

- Local residents within 200 metres of Forrest Park; 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 and through two signs erected at Forrest Park throughout the consultation period. 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 372 local residents/and owners within a 200 metre radius of Forrest Park and five were sent to current park user groups.

The City collected a combined total of 272 responses. Of the 272 responses received, 251 were assessed as valid responses<sup>1</sup>. 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	61	24.3%
Online survey	190	75.7%
<b>Total (valid) responses</b>	<b>251</b>	<b>100.0%</b>

*Table 2. Responses by location of respondent*

Location of respondent (vicinity to proposed park)	Responses	
	N	%
Respondent resides within 200m	100	39.8%
Respondent does not reside within 200m but resides within the City of Joondalup	91	36.3%
Respondent does not reside within the City of Joondalup	60	23.9%
<b>Total (valid) responses</b>	<b>251</b>	<b>100.0%</b>

With 100 responses received from within the 200m target radius for the consultation this equates to a response rate of 26.9%.

<sup>1</sup> 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.

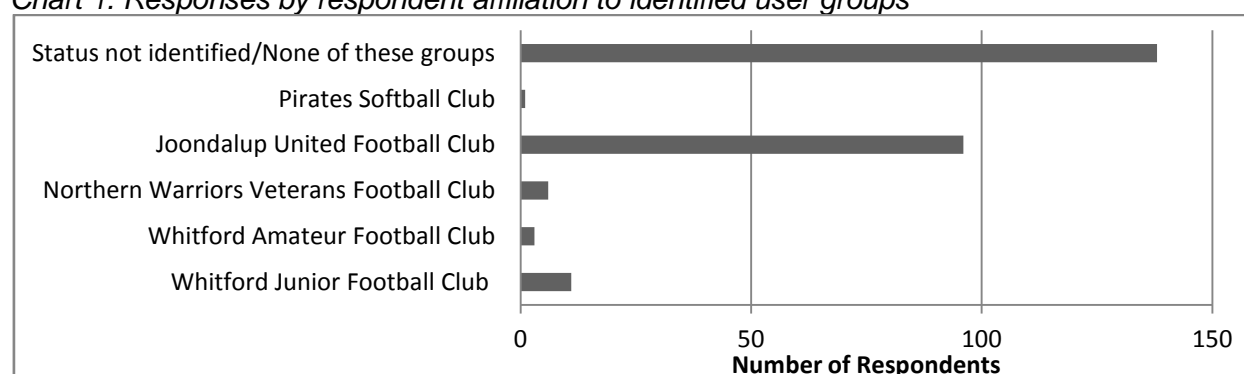
## IDENTIFIED USER GROUPS & PARK USES

Of the 251 valid responses received, 117 respondents stated that they were affiliated with an organisation/group that utilised Forrest Park for a variety of activities. Most notably, 55% of the responses received were from respondents who don't affiliate themselves with one of the user groups. It should be noted that some respondents identified more than one user group that they were affiliated with. This accounts for total percentage greater than 100%. 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 Whitford Junior Football Club	11	4.4%
Member of Whitford Amateur Football Club	3	1.2%
Member of Northern Warriors Veterans Football Club	6	2.4%
Member of Joondalup United Football Club	96	38.2%
Member of Pirates Softball Club	1	0.4%
Status not identified/None of these groups	138	55.0%
<b>Total (valid) responses</b>	<b>251</b>	<b>101.6%</b>

Chart 1. Responses by respondent affiliation to identified user groups

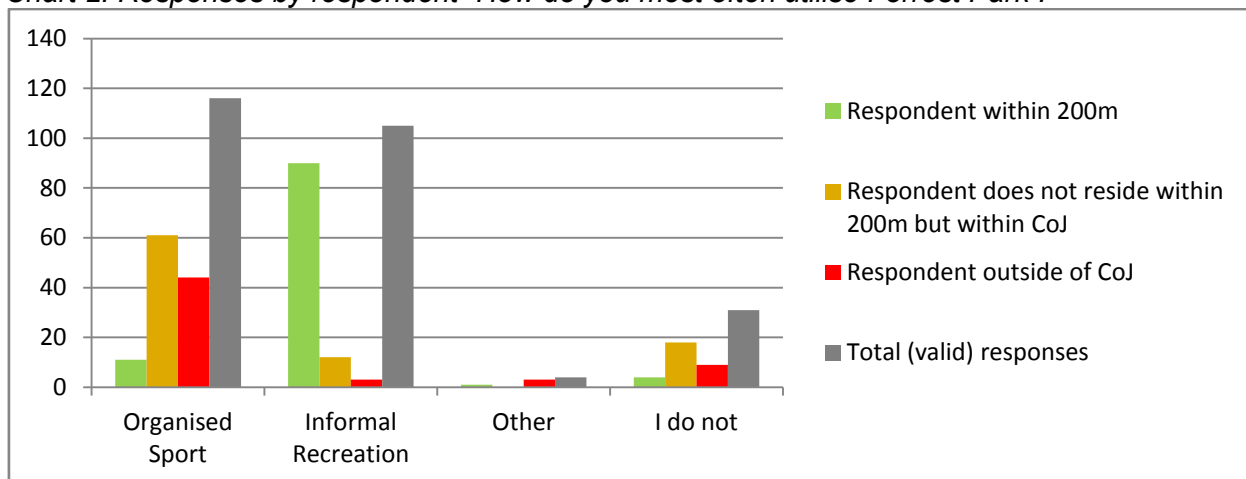


Of the 251 valid responses received, 116 respondents stated that they utilised Forrest Park for organised sport. Most notably, 12.1% of the responses received were from respondents who identified that they do not currently utilise Forrest Park. This data is summarised in Table 4 and Chart 2 below.

Table 4. Responses by respondent "How do you most often utilise Forrest Park".

	Organised Sport		Informal Recreation		Other		I do not	
	N	%	N	%	N	%	N	%
Respondent within 200m	11	4.3%	90	35.2%	1	0.4%	4	1.6%
Respondent does not reside within 200m but within CoJ	61	23.8%	12	4.7%	0	0.0%	18	7.0%
Respondent outside of CoJ	44	17.2%	3	1.2%	3	1.2%	9	3.5%
<b>Total (valid) responses</b>	<b>116</b>	<b>45.3%</b>	<b>105</b>	<b>41.0%</b>	<b>4</b>	<b>1.6%</b>	<b>31</b>	<b>12.1%</b>

*Chart 2. Responses by respondent “How do you most often utilise Forrest Park”.*



**QUESTION 1 – “Please indicate your level of support for each of the components proposed under the improvement of Forrest Park”**

Respondents were asked to indicate their level of support for the four elements proposed within the Forrest Park improvement project.

Results have been analysed to determine the level of support for respondents within the 200m of Forrest Park, respondents that do not reside within 200m but reside with the City of Joondalup and those that reside outside of the City of Joondalup.



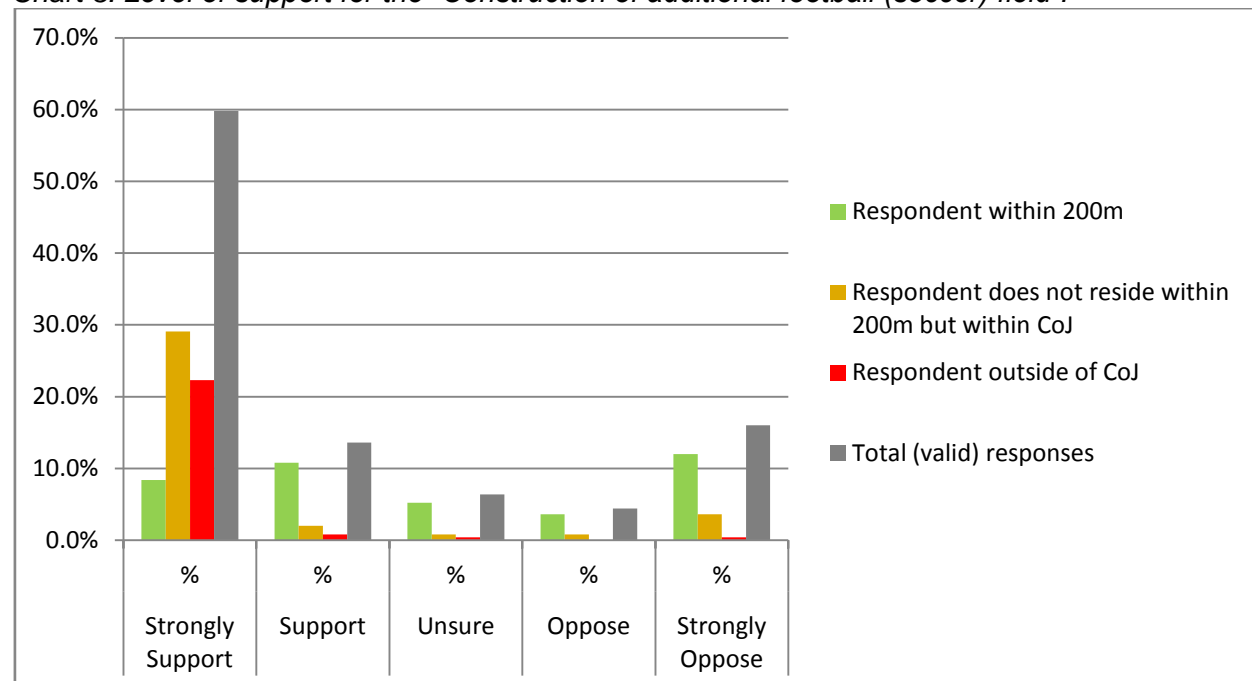
### Level of support for “Construction of additional football (soccer) field”

Overall 73.3% of respondents either supported or strongly supported the construction of the additional football (soccer) field. The results have been summarised in Table 5 and Chart 3 below.

Table 5. Level of support for the “Construction of additional football (soccer) field”.

	Strongly Support		Support		Unsure		Oppose		Strongly Oppose	
	N	%	N	%	N	%	N	%	N	%
Respondent within 200m	21	8.4%	27	10.8%	13	5.2%	9	3.6%	30	12.0%
Respondent does not reside within 200m but within CoJ	73	29.1%	5	2.0%	2	0.8%	2	0.8%	9	3.6%
Respondent outside of CoJ	56	22.3%	2	0.8%	1	0.4%	0	0.0%	1	0.4%
<b>Total (valid) responses</b>	<b>150</b>	<b>59.8%</b>	<b>34</b>	<b>13.5%</b>	<b>16</b>	<b>6.4%</b>	<b>11</b>	<b>4.4%</b>	<b>40</b>	<b>15.9%</b>

Chart 3. Level of support for the “Construction of additional football (soccer) field”.



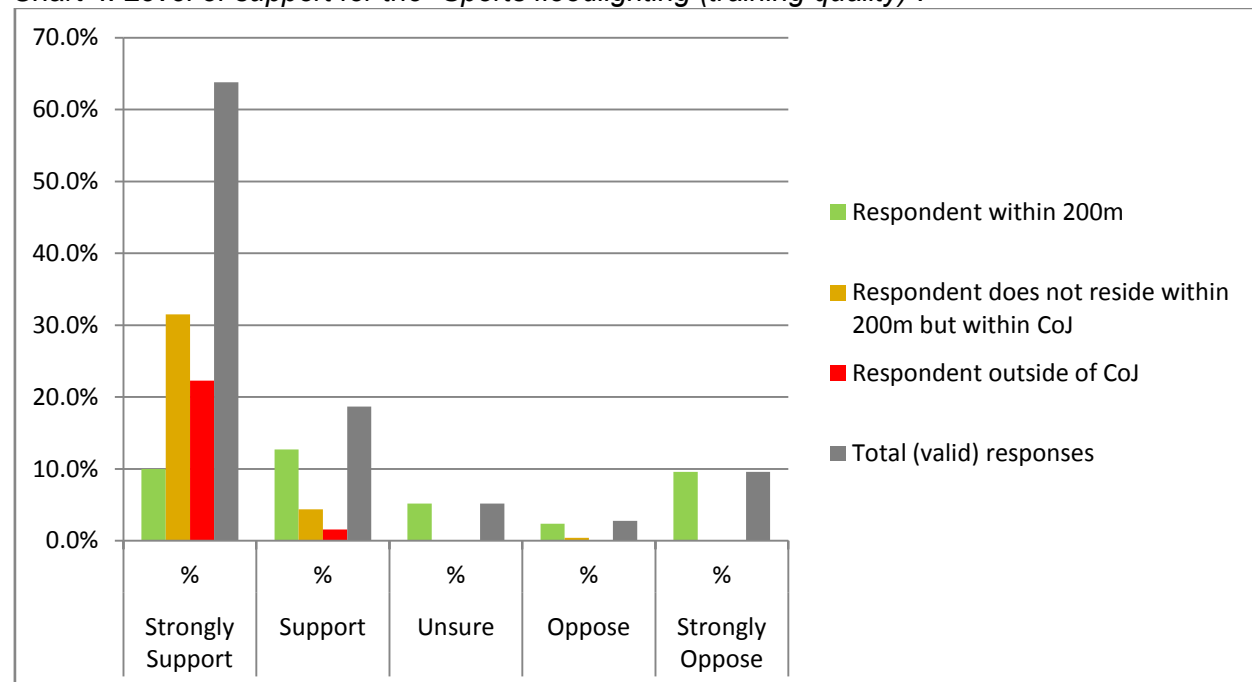
### Level of support for “Sports floodlighting (training quality)”

Overall 82.4% of respondents either supported or strongly supported the upgrade of the existing sports floodlighting to meet the training level within the Australian Standards. The results have been summarised in Table 6 and Chart 4 below.

Table 6. Level of support for the “Sports floodlighting (training quality)”.

	Strongly Support		Support		Unsure		Oppose		Strongly Oppose	
	N	%	N	%	N	%	N	%	N	%
Respondent within 200m	25	10.0%	32	12.7%	13	5.2%	6	2.4%	24	9.6%
Respondent does not reside within 200m but within CoJ	79	31.5%	11	4.4%	0	0.0%	1	0.4%	0	0.0%
Respondent outside of CoJ	56	22.3%	4	1.6%	0	0.0%	0	0.0%	0	0.0%
<b>Total (valid) responses</b>	<b>160</b>	<b>63.7%</b>	<b>47</b>	<b>18.7%</b>	<b>13</b>	<b>5.2%</b>	<b>7</b>	<b>2.8%</b>	<b>24</b>	<b>9.6%</b>

Chart 4. Level of support for the “Sports floodlighting (training quality)”.



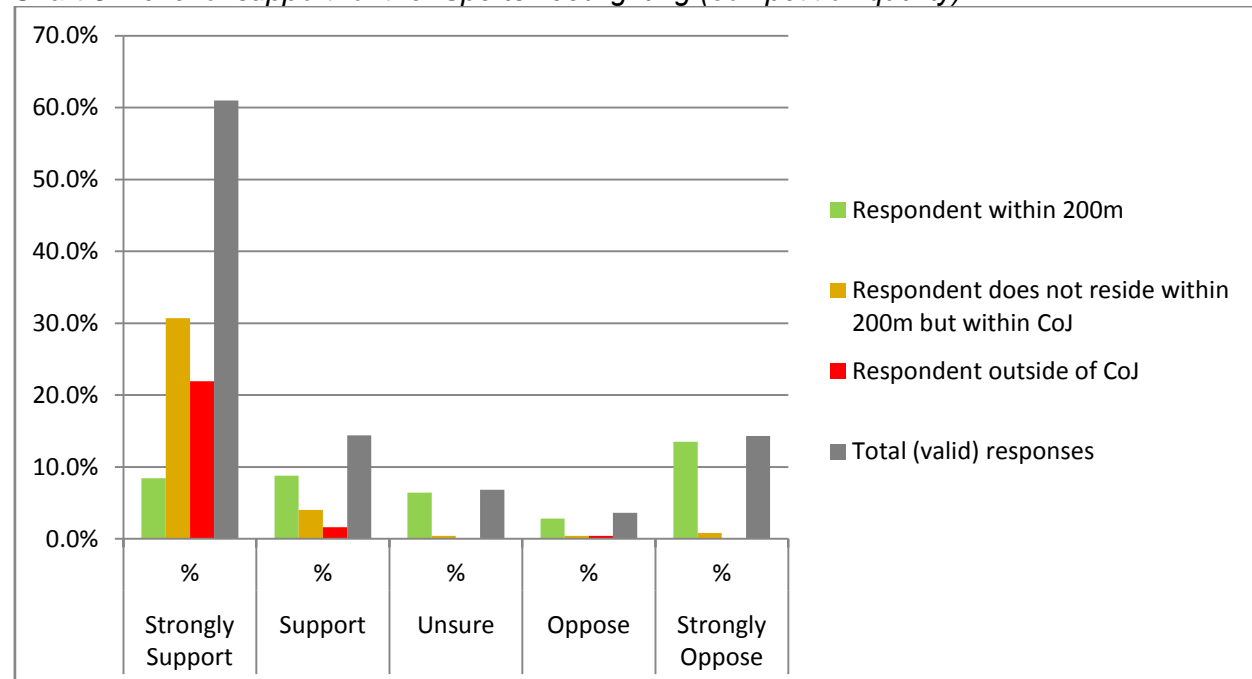
### Level of support for “Sports floodlighting (competition quality)”

Overall 75.3% of respondents either supported or strongly supported the upgrade of the existing sports floodlighting to meet the competition level within the Australian Standards. The results have been summarised in Table 7 and Chart 5 below.

Table 7. Level of support for the “Sports floodlighting (competition quality)”.

	Strongly Support		Support		Unsure		Oppose		Strongly Oppose	
	N	%	N	%	N	%	N	%	N	%
Respondent within 200m	21	8.4%	22	8.8%	16	6.4%	7	2.8%	34	13.5%
Respondent does not reside within 200m but within CoJ	77	30.7%	10	4.0%	1	0.4%	1	0.4%	2	0.8%
Respondent outside of CoJ	55	21.9%	4	1.6%	0	0.0%	1	0.4%	0	0.0%
<b>Total (valid) responses</b>	<b>153</b>	<b>61.0%</b>	<b>36</b>	<b>14.3%</b>	<b>17</b>	<b>6.8%</b>	<b>9</b>	<b>3.6%</b>	<b>36</b>	<b>14.3%</b>

Chart 5. Level of support for the “Sports floodlighting (competition quality)”.





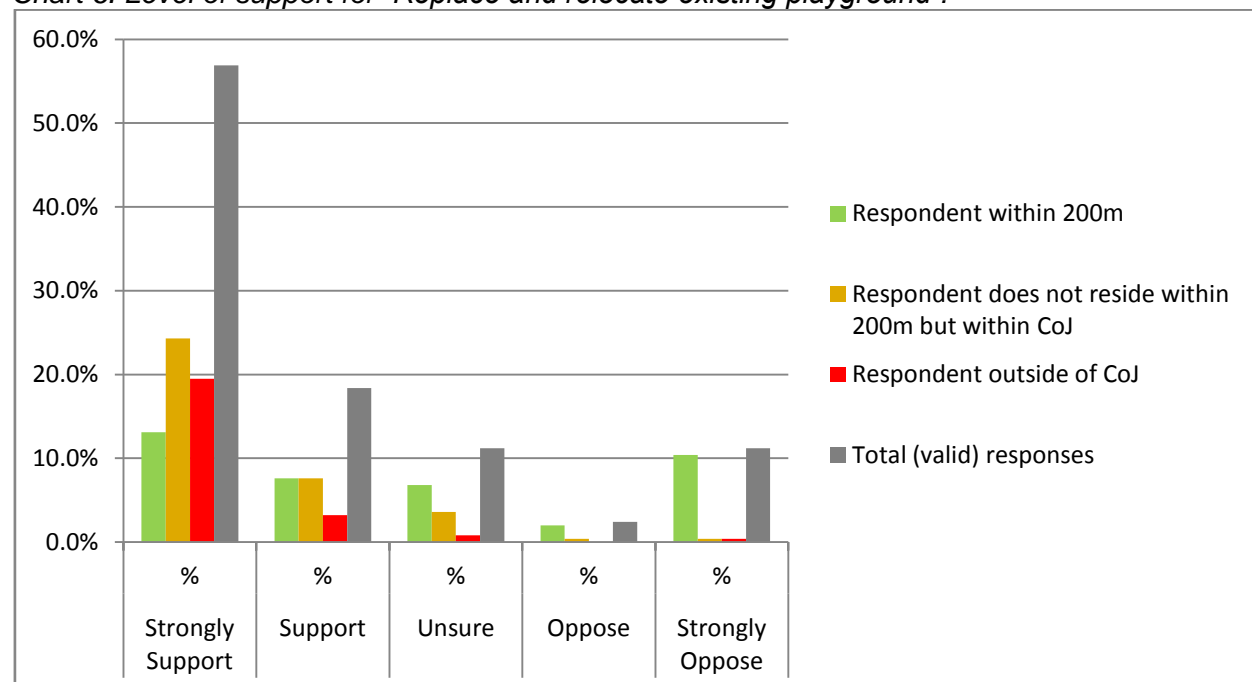
### Level of support for “Replace and relocate existing playground”

Overall 75.3% of respondents either supported or strongly supported the replacement and relocation of the existing playground at Forrest Park. The results have been summarised in Table 8 and Chart 6 below.

Table 8. Level of support for “Replace and relocate existing playground”.

	Strongly Support		Support		Unsure		Oppose		Strongly Oppose	
	N	%	N	%	N	%	N	%	N	%
Respondent within 200m	33	13.1%	19	7.6%	17	6.8%	5	2.0%	26	10.4%
Respondent does not reside within 200m but within CoJ	61	24.3%	19	7.6%	9	3.6%	1	0.4%	1	0.4%
Respondent outside of CoJ	49	19.5%	8	3.2%	2	0.8%	0	0.0%	1	0.4%
<b>Total (valid) responses</b>	<b>143</b>	<b>57.0%</b>	<b>46</b>	<b>18.3%</b>	<b>28</b>	<b>11.2%</b>	<b>6</b>	<b>2.4%</b>	<b>28</b>	<b>11.2%</b>

Chart 6. Level of support for “Replace and relocate existing playground”.



**QUESTION 2 — “DO YOU HAVE ANY COMMENTS ABOUT THE PROPOSED PROJECT? IF SO PLEASE LIST BELOW”**

Respondents were asked if they had any further comments on the proposed improvement project at Forrest Park. A total of 149 respondents provided comments. The results have been summarised in Table 9 below.

*Table 9. Summary of further comments provided by respondents*

	<b>N</b>	<b>%</b>
Park to remain for local use	24	16.10%
Concerned about increase in lighting	19	12.80%
Concerned about increase in noise	19	12.80%
Concerned about increase in traffic	15	10.10%
Against removal of Trees	13	8.70%
Concerned about impact on dog walkers	12	8.10%
Concerned about current/increase in parking issues	12	8.10%
Concerned about alcohol use/increase in liquor license	11	7.40%
Concerned about proposed playground location	11	7.40%
Concerned for impact on current user groups	10	6.70%
Concerned about an increase in sport usage of the park	7	4.70%
Concerned about night games	6	4.00%
Concerned about current and future littering	5	3.40%
Concerned about the number of dogs off leash at the park	4	2.70%
Concerned about new fences/retaining walls	3	2.00%
Concerned about new parking proposed	3	2.00%
Positive for sporting clubs/Joondalup United Football Club	52	34.90%
Request improved facilities at MacDonald Park for AFL clubs	17	11.40%
Positive for community	15	10.10%
<b>Total (valid) responses</b>	<b>149</b>	<b>173.20%</b>

**RESPONSES FROM PARK USER GROUPS AND LOCAL RESIDENTS ASSOCIATION.**

The City received formal responses to the community consultation from all five current user groups (Whitford Junior Football Club, Whitford Amateur Football Club, Northern Veterans Football Club, Joondalup United Football Club and the Pirates Softball Club) as well as a response from the Whitfords Ratepayers Association.

	<b>Additional Playing Field</b>	<b>Floodlighting (Training)</b>	<b>Floodlighting (Competition)</b>	<b>Relocate Playground</b>
Whitford Junior Football Club	Support	Support	Support	Support
Whitford Amateur Football Club	Strongly Support	Strongly Support	Strongly Support	Strongly Support
Northern Warrior Veterans Football Club	Strongly Oppose	Strongly Oppose	Strongly Oppose	Strongly Oppose
Joondalup United Football Club	Strongly Support	Strongly Support	Strongly Support	Strongly Support
Pirates Softball Club	Strongly Support	Strongly Support	Strongly Support	Support
Whitfords Ratepayers Association	Strongly Oppose	Support	Strongly Oppose	Support

All current user groups (excluding Joondalup United Football Club) have commented within their submission that they request consideration for additional facilities should their usage at Forrest Park be impacted as a result of the project.

The Northern Warriors Veterans Football Club has Strongly Opposed all components of the proposed project, however they have made comment that they are concerned about the security of their tenure at Forrest Park as a result of the project.

The comments received within the response from the Whitfords Ratepayers Association reflect the comments received within the general consultation, with concerns raised about increased sport usage increasing issues with traffic, noise, parking issues, litter, antisocial behaviour etc.



