

Works and Urban Development Committee

Notice of Meeting
23 May 2017
5.30pm

Committee Room 1
Ninth Floor
Council House
27 St Georges Terrace, Perth



Agenda

ORDER OF BUSINESS AND INDEX

- 1 Declaration of Opening
- 2 Apologies and Members on Leave of Absence
- 3 Confirmation of minutes – 26 April 2017
- 4 Correspondence
- 5 Disclosure of Members' interests
- 6 Reports
 - 6.1 - Tender 132-16/17 – City of Perth Lighting 2016 /2017
- 7 Motions of which Previous Notice has been given
- 8 General Business
 - 8.1 - Responses to General Business from a Previous Meeting
 - 8.2 - New General Business

Street Cleaning Programs

The Manager Waste and Cleansing will provide information to the Committee on Street Cleaning Programs throughout the City.
- 9 Items for consideration at a future meeting
 - Nicks Lane (raised 28/03/17)

Nick's lane is visited daily by the WAC day shift crew before noon. A litter pick and clean-up is undertaken on each visit. Night shift also sweeps through every morning between 2 am and 4am sweeping where accessible.

The HAA are hosting a meeting 18 May at 11am with EHO's and WAC to discuss the issues and to plan a process that reminds restaurants of their responsibilities and works through solutions to remove bins from laneways.

Foothpath Cleanliness – Northbridge (raised 26/04/17)

See Agenda Item 8.2 – Street Cleaning Programs

Hoarding – Corner of Milligan Street and Murray Street (raised 26/04/17)

Outstanding Reports:

Nil

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Closure

A handwritten signature in black ink, appearing to read 'Martin Mileham', written over a light grey rectangular background.

**MARTIN MILEHAM
CHIEF EXECUTIVE OFFICER**

18 May 2017

This meeting is not open to members of the public

WORKS AND URBAN DEVELOPMENT COMMITTEE

Established: 17 May 2005 (Members appointed 22 October 2015)

Members:	1st Deputy:	2nd Deputy:
Cr Limnios (Presiding Member)	Cr Harley	Cr Chen
The Lord Mayor		
Cr McEvoy		

Quorum: Two

Expiry: October 2017

TERMS OF REFERENCE: [Adopted OCM 24/11/15]

To oversee and make recommendations to the Council on matters related to:

1. works required to construct, upgrade and maintain streets, footpaths, thoroughfares and other public places, including streetscape upgrades, landscaping initiatives and directional signage and graffiti;
2. design, construction and upgrading of parks, reserves, recreational and civic amenities and facilities and Council owned buildings, excluding Council House, the Perth Town Hall, City of Perth Public Lending Library and the Perth Concert Hall;
3. oversight of the implementation of the Lighting Strategy;
4. waste management.

Recommendation:***That Council:***

- 1. accepts the most suitable tender, being that submitted by Stiles Electrical & Communication Services Pty Ltd., for the City of Perth Lighting Project 2016/2017 (Tender 132-16/17) at a lump sum price of \$659,787.51 (excluding GST); and***
- 2. notes that the construction is anticipated to commence in early July 2017.***

FILE REFERENCE:	P1033924
REPORTING UNIT:	Construction
RESPONSIBLE DIRECTORATE:	Construction and Maintenance
DATE:	15 May 2017
ATTACHMENT/S:	Attachment 6.1A – Details of Russell Square Proposals Confidential Attachment 6.1B – Tender Evaluation Matrix

Legislation / Strategic Plan / Policy:

Legislation	Part 4 / Tenders for Providing Goods and Services of the Local Government (Functions & General Regulations) 1996
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Integrated Reporting Implications	Planning and Framework	Corporate Business Plan / Strategic Community Plan
		Council Four Year Priorities: Perth as Capital City S6 Maintain a Strong City Profile that attracts investment

Policy

Policy No and Name:	9.7 - Purchasing
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Purpose and Background:

The City of Perth is undertaking a number of lighting projects as part of the implementation of its Lighting Strategy, to encourage citizens and visitors to remain in the city into the evening and support the night time economy. As part of this the City will be implementing two projects:

Russell Square Feature Lighting Project

Russell Square, located in Northridge is a popular recreational park and events venue. New bollard lights, floodlighting and electrical infrastructure will be installed to enhance the character and key features of the park with the following tangible benefits.

- Improve the perception of safety and the comfort of pedestrians at night in Northbridge, targeting dark areas under mature trees to deter anti-social behavior;
- Provide more sustainable and energy efficient lighting; and
- Address current lighting issues including inconsistent light and lighting levels.

Details of the proposals are provided in Attachment 6.1A.

Urban Art Lighting Project

The lighting of three landmark locations and objects (Hay Street Pathway West Perth, Murray Street Heritage Fig Tree, Hay Street Outdoor Dining). New pole mounted lights, floodlighting and electrical infrastructure will be installed at these locations to enhance the city's landmarks and unique features of the area after dark. The following tangible outcomes will be delivered:

- Enhance the night time experience in the city;
- Highlight landmarks or features within the city to assist with night time way finding; and
- Provide more sustainable and energy efficient lighting environment.

(This portion also consists of coloured up-lighting to existing landmarks similar to Russell Square.)

Details:

Detailed design was completed by Engineering Technology Consultants Pty Ltd (ETC) through coordination between the City's Coordination and Design Unit. The main objective of the design was to document the required works for the supply delivery, installation, testing, commissioning and maintenance of new: pole mounted lights, bollard lighting and electrical infrastructure for the above-mentioned projects.

The two projects were bid as two separable portions under the title "City of Perth Lighting Project 2016/2017", with the opportunity of awarding the projects to two separate contractors. However following the evaluation it has been identified that one company is the preferred contractor for both projects.

In addition tenderers were asked to provide two prices for the lighting control of Russell Square Feature Lighting Project: A wireless DMX system control and a wired DMX system control.

Communications

A communication plan will be developed and this will be implemented in conjunction with the contractor's Construction Management Plan following Council approval of the works.

Contract Arrangements

The works will be delivered under a lump sum contract arrangement by one contractor.

Working hours will be Monday to Saturday, 7.00am to 7.00pm. Construction is anticipated to commence in July 2017 and the preferred contractor has indicated a 12 week construction period.

Summary of Submitted Tenders

Two lump sum offers were received on 06 April 2017 through the City of Perth's electronic tender website from the following contractors:

Stiles Electrical & Communication Services PTY LTD (Stiles Electrical)

- Option 1 \$647,700.78 (excluding GST)
- Option 2 \$659,787.51 (excluding GST)

Gillmore Electrical Services PTY Limited (Gillmore Electrical)

- Option 1 \$784,926.00 (excluding GST)
- Option 2 \$775,298.00 (excluding GST)

Tender Assessment and Evaluation Summary

Tenders were assessed initially against the following Qualitative Selection Criteria:

- SC1: Management and Personnel;
- SC2: Project Appreciation and Methodology;
- SC3: Relevant Experience;
- SC4: Ability To Meet City's Timeframe;
- SC5: Quality Control Procedures; and
- SC6: Tendered Price.

A Tender Evaluation Matrix is attached as Confidential Attachment 6.1B. An evaluation summary against the non-priced based selection criteria has been provided below:

Management and Personnel

Both submissions have provided details to evidence their qualification and experience of their key personnel to be involved in the project.

Project Appreciation and Methodology

Stiles Electrical provided a good understanding of the project importance and this was reflected in their proposed methodology that identified the required task as well as problems and complexities that are anticipated for the project. Gillmore Electrical provided a reasonable understanding of the project with a step-by step approach and no indication of potential problems or complexities.

Relevant Experience

Both submissions provided relevant experience in working on lighting projects and demonstrated an understanding of the feature lighting concept that is in line with the City's requirements.

Ability To Meet City's Timeframe

Stiles Electrical has submitted a comprehensive program highlighting required tasks and milestones as well as time periods for long lead items. Potential delay items have been identified. Gillmore Electrical submitted a basic program highlighting required task and milestones. Their program does not clearly identify the sequence of events. It appears all works sites will start and complete at the same time.

Quality Control Procedures

Stiles Electrical and Gillmore Electrical are not currently certified by a third party to Australian Standards AS/NZS ISO 9001 'Quality Systems', however they have both demonstrated acceptable in-house quality control procedures.

Tendered Price

The tender price submitted by Gillmore Electrical for all work sites is the highest and does not demonstrate the best value for money. They have identified a 2.5% discount for the award of both projects: Urban Art lighting Project and Russell Square Feature Lighting Project. However even with the 2.5% discount applied the company's tender price still remains the highest. The tender price submitted by Stiles Electrical for all work sites is the lowest and demonstrates the best lump sum value for money despite not identifying a discount for the award of both projects Project.

The cost difference between Lump Sum Option 2 (Wired DMX) and Lump Sum Option 1 (Wireless DMX) is negligible at 2% for Stiles Electrical and 1% for Gillmore Electrical

To avoid any wireless interference problems, the City's preferred option is Lump Sum Option 2, Wired DMX.

Combined Qualitative and Priced Based Assessment Ranking

Confidential Attachment 6.1B details the relative scores of all submissions when both the qualitative and price based criteria were taken into consideration.

Project Budget

The approved budget for City of Perth Lighting Project is as follows:

CW1988	Pilot of minimum Standard Lighting	\$500,000.00
CW1986	Activate the Lighting Taskforce Structure - Russell Square Feature Lighting Project	\$150,000.00
CW1989	Urban Art Lighting Project	\$200,000.00

The tender's cost implications are contained in Confidential Attachment 6.1B.

Financial Implications:

ACCOUNT NO:	CW1988
BUDGET ITEM:	Pilot of minimum Standard Lighting - Russell Square Feature Lighting Project
BUDGETED AMOUNT:	\$500,000.00

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AMOUNT SPENT TO DATE: \$31,649.76
PROPOSED COST: \$463,505.10
BALANCE REMAINING: \$4,845.14
ANNUAL MAINTENANCE:
ESTIMATED WHOLE OF LIFE COST:

ACCOUNT NO: CW1986
BUDGET ITEM: Activate the Lighting Taskforce Structure - Russell
Square Feature Lighting Project
BUDGETED AMOUNT: \$150,000.00
AMOUNT SPENT TO DATE: \$17,376.15
PROPOSED COST: \$123,210.22
BALANCE REMAINING: \$9,413.63

ACCOUNT NO: CW1989
BUDGET ITEM: Urban Art Lighting
BUDGETED AMOUNT: \$200,000.00
AMOUNT SPENT TO DATE: \$50,916.97
PROPOSED COST: \$138,201.38
BALANCE REMAINING: \$10,881.65
ANNUAL MAINTENANCE:
ESTIMATED WHOLE OF LIFE COST:

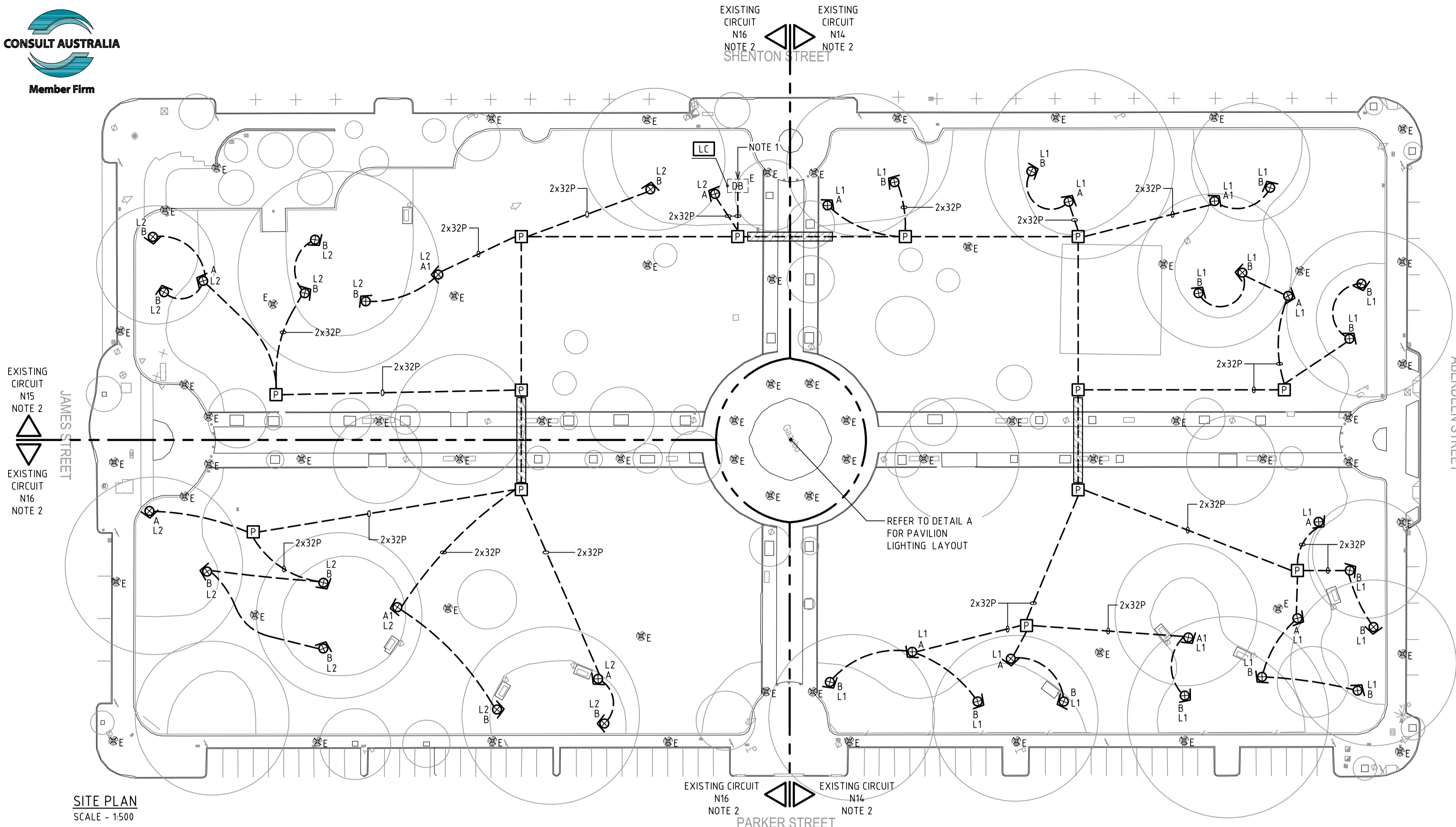
All figures quoted in this report are exclusive of GST.

Comments:

Stiles Electrical has been evaluated as the preferred tenderer. The two submitted tenders both performed well, however, Stiles Electrical demonstrated a superior understanding of the project. They identified potential issues and included strategies to ensure the project is delivered on time.

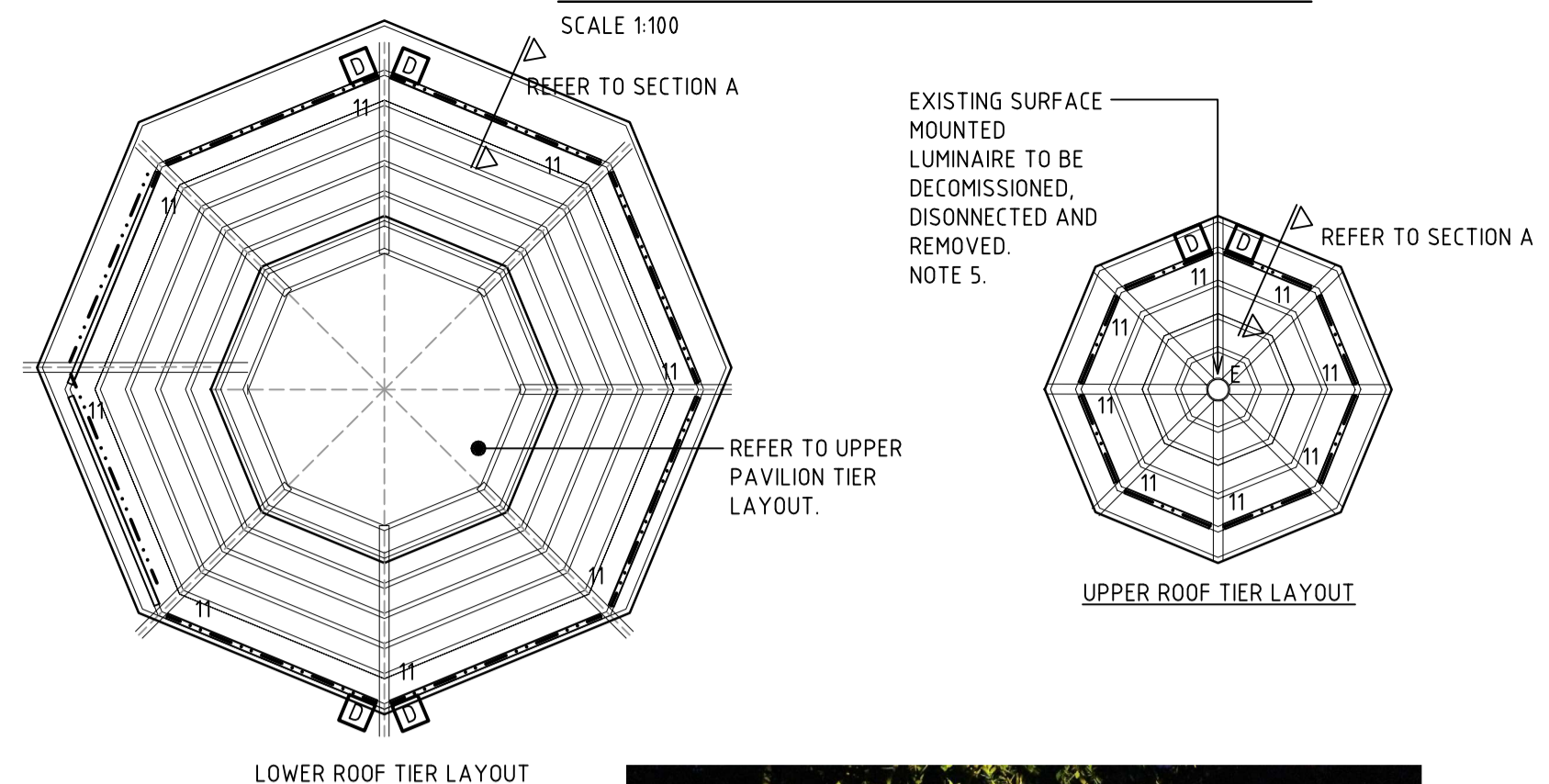
In addition, Stiles Electrical provided the most competitive price offering best value for money.

It is recommended to accept the lump sum tender price of \$659,787.51 excluding GST submitted by Stiles Electrical & Communication Services PTY LTD.



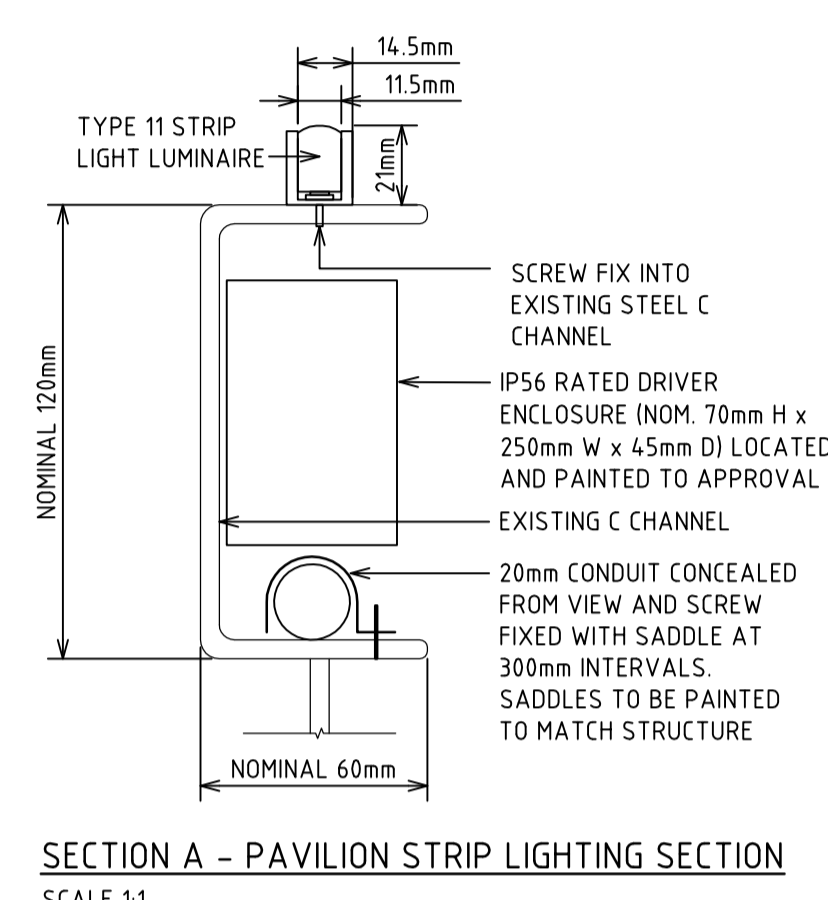
SITE PLAN
SCALE - 1:500

DETAIL A - PAVILION STRIP LIGHTING LAYOUT PLAN
SCALE 1:100



LOWER ROOF TIER LAYOUT

UPPER ROOF TIER LAYOUT



SECTION A - PAVILION STRIP LIGHTING SECTION
SCALE 1:1



ATTACHMENT 6.1A

- LEGEND**
- LED STRIP LIGHT LUMINAIRE MOUNTED TO PAVILION STRUCTURE FRAME. REFER TO DETAIL A. E.
 - EXISTING POLE TOP LUMINAIRE TO REMAIN
 - TYPE 11 LUMINAIRE DRIVER IN IP56 ENCLOSURE PAINTED TO MATCH STRUCTURE. NOMINAL 70mm x 250mm x 45mm DEEP. REFER TO SECTION 1.
 - LIGHTING CONTROL ENCLOSURE (IP56 WITH LOUVRED VENTS PAINTED TO APPROVAL) WITH WIRELESS LINK AND HEAD END EQUIPMENT, MOUNTED TO SIDE OF DB.
 - POWER PIT. ACO TYPE 63 64.5mm x 300mm CLASS B WITH GALVANISED LID. REFER TO DETAIL B ON E-DT-01.
 - NEW 1x32mm DIA. PVC CONDUIT, ORANGE UOS. DENOTES NO. OFF AND DIA. OF UNDERGROUND POWER CONDUIT. CONDUIT ROUTES ARE APPROXIMATE ONLY AND SHALL BE CONFIRMED TO SUIT IRRIGATION AND EXISTING SERVICES LAYOUT.
 - DENOTES HORIZONTAL BORE
 - EXISTING COP DISTRIBUTION BOARD

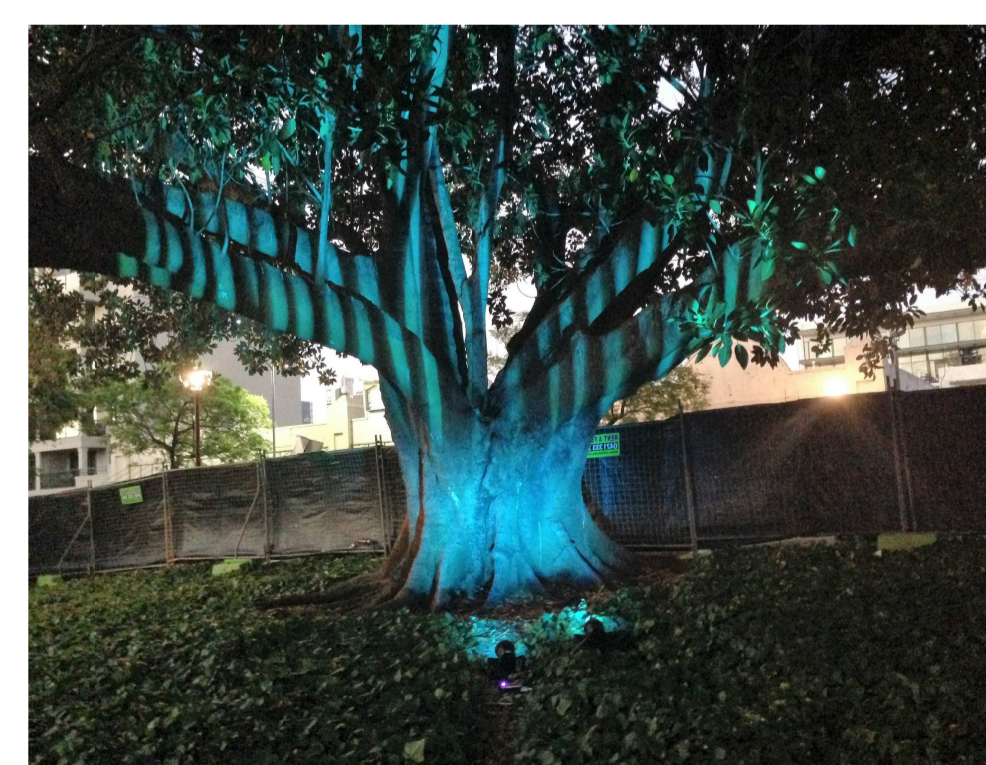
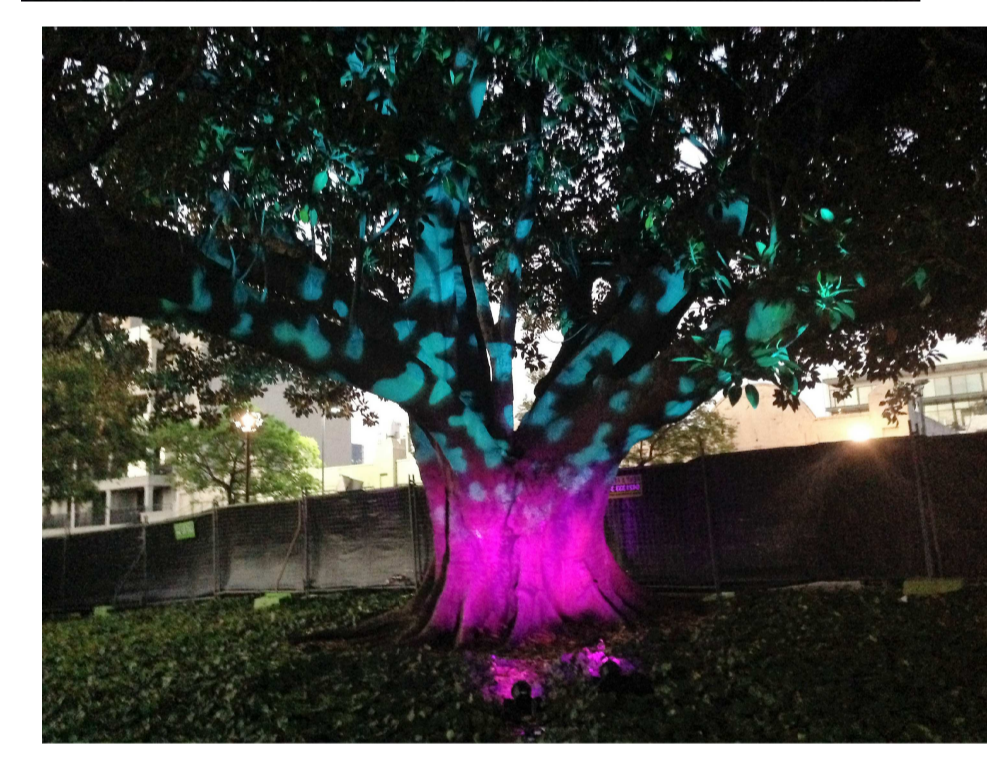
- LEGEND CONTINUED**
- TIME SWITCH. LEGRAND ALPHA REX ASTRO RANGE WITH OVERRIDE, DAYLIGHT SAVING FUNCTION AND GEOGRAPHIC/SUNSET FUNCTION
 - CONTACTOR COIL
No. = CONTACTOR NUMBER
 - CONTACT NORMALLY OPEN
 - MCB/RCD 30mA
A - DENOTES RATING
B - DENOTES NO. OF PHASES
 - CIRCUIT BREAKER
A - DENOTES RATING
B - DENOTES NO. OF PHASES
 - AFPL ABOVE FINISHED PAVING LEVEL
 - BFPL BELOW FINISHED PAVING LEVEL
 - E DENOTES EXISTING TO REMAIN
 - FPL FINISHED PAVING LEVEL
 - UOS UNLESS OTHERWISE SPECIFIED

- NOTES**
- APPROXIMATE LOCATION OF EXISTING CITY OF PERTH DISTRIBUTION BOARD. TERMINATE NEW LIGHTING CIRCUITS INTO DISTRIBUTION BOARD. WIRE NEW LIGHTING SO CONTROL IS NOT AFFECTED BY EXISTING PE CONTROL.
 - EXISTING PATHWAY AND AREA LIGHTING SUPPLIED FROM COP SWITCHBOARD.
 - REFER TO DRAWING E-L1-03 FOR ADDITIONAL NOTES AND INFORMATION.
 - NOT USED.

- NOTES**
- APPROXIMATE LOCATION OF EXISTING CITY OF PERTH DISTRIBUTION BOARD. TERMINATE NEW LIGHTING CIRCUITS INTO DISTRIBUTION BOARD. WIRE NEW LIGHTING SO CONTROL IS NOT AFFECTED BY EXISTING PE CONTROL.
 - EXISTING PATHWAY AND AREA LIGHTING SUPPLIED FROM COP SWITCHBOARD.
 - REFER TO DRAWING E-L1-03 FOR ADDITIONAL NOTES AND INFORMATION.
 - NOT USED.
 - UTILISE PAVILION LUMINAIRE 240V POWER SUPPLY TO SUPPLY NEW TYPE 11 LIGHTING. INSTALL NEW 240V CABLES IN 20mm CORRUGATED STEEL/PVC CONDUIT (ANACONDA) PAINTED TO MATCH STRUCTURE AND CONCEALED FROM VIEW. FINAL CONDUIT ROUTE TO BE DETERMINED ONSITE TO SUPERINTENDENT'S APPROVAL.
 - EXISTING UNDERGROUND SERVICES WITHIN THE VICINITY OF WORKS. ALL SERVICES TO BE LOCATED AND PROTECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - INCLUDE FOR ANY EXCAVATION BORING AND CUTTING OF EXISTING SLAB, BITUMEN AND REMOVAL OF PAVING IN AREAS NECESSARY FOR THE INSTALLATION OF NEW CONDUITS. MAKE GOOD THE EXISTING SURFACES AND LANDSCAPING TO THE APPROVAL OF THE SUPERINTENDENT.
 - SITE SURVEY ALL NEW PIT AND POLE LOCATIONS BEFORE INSTALLATION TO AVOID CLASHES WITH EXISTING SERVICES. VERIFY WITH SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
 - ALL UNDERGROUND CONDUITS TO BE INSTALLED VIA HAND DUG TRENCHES UNLESS OTHERWISE SHOWN.
 - CONDUIT ROUTES LOCATIONS SHOWN ARE INDICATIVE. FINAL ROUTES TO BE CHECKED ON SITE BY CONTRACTOR TO AVOID CLASHES WITH EXISTING SERVICES.

LUMINAIRE SCHEDULE
REFER TO SPECIFICATION FOR FURTHER REQUIREMENTS

TYPE	DESCRIPTION	LAMP
8.	IP66 PROJECTOR LUMINAIRE, WITH 46° WIDE BEAM OPTIC AND INTEGRAL DRIVER MOUNTED WITHIN CUSTOM BOLLARD. LUMINAIRE TO BE FULLY PROGRAMMABLE AND INTERFACED TO WIRELESS DMX512 TRANSCIVER AND BE COMPLETE WITH 6 CUSTOM GOBO'S. PROGRAMMING AND GOBO IMAGES TO BE TO CITY OF PERTH APPROVAL. MARTIN 'EXTERIOR PROJECTION 500' OR EQUAL APPROVED.	230W LED RGB
9.	IP67 FLOODLIGHT LUMINAIRE WITH 16° MEDIUM BEAM OPTIC AND INTEGRAL DRIVER MOUNTED WITHIN CUSTOM BOLLARD. LUMINAIRE TO BE FULLY PROGRAMMABLE AND INTERFACED TO WIRELESS DMX512 TRANSCIVER. PROGRAMMING TO BE TO CITY OF PERTH APPROVAL. PURELED 'SPRITE 3'. CAT No. PL-SPRITE3-RGB-R/240V OR EQUAL APPROVED.	12W LED RGB
10.	IP67 FLOODLIGHT LUMINAIRE WITH 46° WIDE BEAM OPTIC AND INTEGRAL DRIVER MOUNTED WITHIN CUSTOM STEEL BOLLARD. LUMINAIRE TO BE FULLY PROGRAMMABLE AND INTERFACED TO WIRELESS DMX512 TRANSCIVER. PROGRAMMING TO BE TO CITY OF PERTH APPROVAL. PURELED 'SPRITE 3'. CAT No. PL-SPRITE3-RGB-R/240V OR EQUAL APPROVED.	12W LED RGB
11.	SURFACE MOUNTED FLEXIBLE IP68 LED STRIP LIGHT LUMINAIRE WITH 160° BEAM OPTIC MOUNTED WITHIN PAVILION STRUCTURE. INSTALL STRIP LIGHT WITHIN ALUMINIUM CHANNEL. PROVIDE 240V/24V DRIVER TO SUIT LENGTHS AS NOTED ON THE DRAWINGS. DRIVER TO BE ENCLOSED IN AN APPROVED IP65 HOUSING LOCATED IN PAVILION STRUCTURE TO APPROVAL. PURELED 'FLEXITUBE' CAT No. PL-FLEXITUBE-WW-D/24V OR EQUAL APPROVED.	12W/m LED 2800K



POSSIBLE TREE LIGHTING IMAGES

REV	DATE	REVISION DETAILS	SMc	SC	DWN	APP
0	03/03/2017	ISSUED FOR TENDER				

THIS DWG & DESIGN IS SUBJECT TO COPYRIGHT AND MAY NOT BE REPRODUCED WITHOUT PRIOR WRITTEN CONSENT. CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. REPORT ALL DISCREPANCIES TO PROJECT MANAGER PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DRAWINGS.

ETC
Engineering Technology Consultants / etc
ACN 009 146 829 61 Loftus Street, Leederville Western Australia 6007
Email: etc@etcpl.com.au Phone: (08) 9328 5500 Facsimile: (08) 9328 5522 ETC JOB: 8067

CITY OF PERTH
COUNCIL HOUSE,
27-29 ST. GEORGE'S TERRACE, PERTH.

DESIGNED	SO	DRAWN	SMc
SC	SEBASTIAN CORVAIA - PRINCIPAL ETC	SMc	18/01/2017
PROJECT ENG.		SCALE	AS SHOWN
SENIOR ENG.		CO-ORD BY	SMc
DRAWING STATUS	TENDER	PROJECT No.	DISPLN DWG TYPE SHEET No. REV.
RKS FILE No. #####	CAD REF: E-LI-04.dwg	16018	E - LI - 04 0
		FOLDER: K:\8067\Des	A1

COP LIGHTING PROJECTS
RUSSELL SQUARE
ELECTRICAL SERVICES
LAYOUT AND DETAILS

CONFIDENTIAL ATTACHMENT 6.1B
ITEM 6.1 – TENDER 132-16/17 – CITY OF PERTH LIGHTING 2016
/2017

FOR THE WORKS & URBAN DEVELOPMENT COMMITTEE MEETING

23 MAY 2017

DISTRIBUTED TO ELECTED MEMBERS UNDER SEPARATE COVER