

64

Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Friday, 17 October 2014 11:47 AM
To: Badham, Matt
Cc: Deschamps, Chris; Buckley, Prue
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Thanks Matt,

I'll pass the instruction onto the Contractor and let you know when the work has been carried out.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

[Water](#) | [Energy & Resources](#) | [Environment](#) | [Property & Buildings](#) | [Transportation](#)

From: Badham, Matt [mailto:Matt.Badham@act.gov.au]
Sent: Friday, 17 October 2014 9:04 AM
To: Tristan Yeats
Cc: Deschamps, Chris; Buckley, Prue
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Hi Tristan,

I assessed the tree and the branch yesterday afternoon, and support the removal of the lowest limb on the south side of the tree in question, shown in the attached photos.

These works should be undertaken by a qualified arborist holding a minimum qualification of Certificate III in arboriculture. All pruning should be undertaken to Australian standards AS 1473 – 2007.

Please let me know when these works are completed or if you require any additional information.

Thank you,

Matt

Matt Badham | Operations Manager | Urban Treescapes
Phone 02 62077852 | Fax 02 62076255 | Email Matt.Badham@act.gov.au
Parks and City Services | Territory and Municipal Services Directorate | ACT Government
Level 8, Macarthur House, 12 Wattle Street, Lyneham ACT 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: Tristan Yeats [mailto:Tristan.Yeats@ghd.com]
Sent: Thursday, 16 October 2014 10:24 AM
To: Badham, Matt
Cc: Deschamps, Chris; Buckley, Prue
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Matt,

Thanks for your email below, I've attached a mark up of the site plan highlighting the location of the conflict. The site is currently fenced off but I'll let the Contractor know that you'll be coming past so that they can let you in if necessary.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
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From: Badham, Matt [<mailto:Matt.Badham@act.gov.au>]
Sent: Tuesday, 14 October 2014 12:57 PM
To: Tristan Yeats; Buckley, Prue
Cc: Deschamps, Chris
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Hi Tristan,

I don't think there is a need for a site meeting but I will drive past and have a look over the next couple of days and let you know what can be done. Are you able to send through a map with the exact location of the tree?

Thanks,

Matt

Matt Badham | Operations Manager | Urban Treescapes
Phone 02 62077852 | Fax 02 62076255 | Email Matt.Badham@act.gov.au
Parks and City Services | Territory and Municipal Services Directorate | ACT Government
Level 8, Macarthur House, 12 Wattle Street, Lyneham ACT 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Monday, 13 October 2014 10:37 AM
To: Badham, Matt; Buckley, Prue
Cc: Deschamps, Chris
Subject: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Matt/Prue,

GHD are currently supervising construction works in the Northbourne Avenue median between Rudd Street and Barry Drive for the installation of new pedestrian lighting. The works are being undertaken by Ecowise and Snowmax with the setout of the new lights completed and excavation works underway to construct the footings and to underbore the new conduits.

The lightpole locations in general provide a good clearance from the existing trees and we haven't had any issues regarding tree roots as yet. There is one conflict however with the overhanging limb shown in the attached photo. There is an overlap of approximately 200mm-300mm between the top of the new pole and the branch in question. We're limited in our ability to shift the location of the pole without compromising the design and as such are hoping to gain approval to remove the limb.

Are either of you available in the next couple of days to have a quick meeting on site to inspect the limb and confirm approval or otherwise for its removal?

Thanks in advance for your help, please feel free to contact me if you have any queries.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

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Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Friday, 31 October 2014 3:11 PM
To: Hourigan, Doug
Cc: Darren Rouse (darren.rouse@ecowise-services.com.au); Deschamps, Chris
Subject: Northbourne Avenue Pedestrian Lighting - progress claim 1
Attachments: Northbourne Ave Ped Lighting_Payment Certificate No 1.pdf;
Scan07637320141031101154.pdf

Doug,

Please find attached a Payment Certificate for your Northbourne Avenue works. I've accepted the amounts you've claimed but have retained 2.5% of the original contract price (\$2,861.96) which represents the retention that is to be held, under the Contract, until the expiration of the Defects Liability Period.

Noting this can you please raise an invoice in the amount of **\$99,972.69 including GST** as per the amount certified in the payment certificate.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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Payment Certificate

Principal: TAMSD

Project: Armoured Cabling Works Northbourne Avenue City

Contractor: Ecowise Services Australia Pty Ltd

Contract N°: T22727.400

Payment Certificate Number: 1

Valuation Date: 31-Oct-14

For Claim/Invoice/Quotation: Claim No 1

GHD Job No. 2314970

\$		\$	
Contract Sum		Total Value of the Work carried out in	\$ 93,486.04
Amount excluding GST	\$ 104,071.20	Less estimated cost of rectification	\$ -
Plus GST (10%)	\$ 10,407.12	Plus/Less other amounts	\$ -
Contract Sum (including GST)	\$ 114,478.32	SUB-TOTAL	\$ 93,486.04
Summary of Variations/Adjustments		Plus GST (10%)	\$ 9,348.60
Variations Plus/minus (excluding Rise and Fall Adjustments)	\$ 495.00	SUB-TOTAL	\$ 102,834.64
Net Variations and Adjustments Plus/Minus (excluding GST)	\$ -	Less Retention Moneys	\$ 2,861.96
Adjusted Contract Value (excluding GST)	\$ 104,566.20	TOTAL	\$ 99,972.69
Plus GST (10%)	\$ 10,456.62	Less previous total payments certified (including GST)	\$ -
Current Contract Value	\$ 115,022.82	Amount for Payment (including GST)	\$ 99,972.69
Limit of Retention Moneys (including GST)	\$ 2,861.96	Amount of GST included in this Payment	\$ 9,088.43

The amount for payment is the amount which, in our opinion as Superintendent, is to be paid by the Principal to the Contractor in respect of work under the Contract performed up to and including the Valuation Date.

Issue: Contractor Principal File

Tristan Yeats

for GHD Pty Ltd

Date: 31-Oct-14

Ecowise Services (Aust) Pty Ltd Progress Claim 1

Job Description: Armoured Cable Upgrade Northbourne Ave

S00430

Location: Armoured Cable Upgrade Northbourne Ave

Project No 22727.400

Client: Shared Services Procurement

Contact: No 2014.22727.400

Contact: Tristain Yeates GHD

Description of Works Pay Items General	Value of Component \$s	This Claim %	This Claim \$'s	Total % claims to date	Total claimed value to		Work completed	Total
					date			
Preliminaries								
1.1 Site Establishment	0	100.00%			\$0.00		100.00%	
1.2 TTM and pedestrian control		100.00%			\$0.00		100.00%	
1.3 Service Clearances		100.00%			\$0.00		100.00%	
1.4 Tree protection		100.00%			\$0.00		100.00%	
Street Lighting								
2.1 Adjust Irrigation system PS					\$0.00		0.00%	
2.2 remove existing columns 24		100.00%			\$0.00		100.00%	
2.3 Inspect & transport columns & fittings		100.00%	0		\$0.00		100.00%	
2.4 Excavate slots for new Columns 19		100.00%	3		\$0.00		100.00%	
2.5 Excavate & install cages assemble columns 19		100.00%	3		\$0.00		100.00%	
2.6 install Electrical conduits 250mts		100.00%	5		\$0.00		100.00%	
2.7 2 core 16mm cable 459 mts		100.00%			\$0.00		100.00%	
2.8 Connection & commissioning PS					\$0.00		0.00%	
2.9 Restoration		100.00%			\$0.00		100.00%	
2.10 WAE					\$0.00		0.00%	

Communications Assets					
3.1 Communication conduits 200mts	100.00%	\$0.00	100.00%		14
3.2 Underbore communication conduits	100.00%	\$0.00	100.00%		1
3.3 Install P5 Comms pits	100.00%	\$0.00	100.00%		0
4					
3.4 Install P6 Comms pits	100.00%	\$0.00	100.00%		0
5					
3.5 Hydroexcavate conduit to Transact pits	100.00%	\$0.00	100.00%		0
PS					
Variations					
Trim tree inc 10% mark up	100.00%	\$0.00	100.00%		
TOTAL ex GST		\$103,216.20		\$93,486.04	\$93,486.04
Progress Claims Issued:				<u>\$0.00</u>	
Balance to Claim					\$9,730.16

Checked by:..... D Hourigan.....

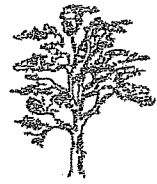
Dated:..29/10/14.



SCTS Pty Ltd trading as
Sapphire Coast Tree Service & Tower Hire
 ABN 65 130 529 627

Canberra Based

PO Box 1393, Fyshwick ACT 2609
 Phone: (02) 6232 9708 Fax: (02) 6232 9711
 email: saptrees2@dragnet.com.au
 web: www.sapphirecoasttree.com.au



TAX INVOICE

Bill To:

ECO WISE
 PO BOX 1714
 FYSHWICK ACT 2609

Invoice #:

00055801

Date:

29/10/2014

Description:

ATTN DARREN

Amount:

Purchase Order 73338

Reference: Northbourne Ave

Remove branch over hanging light as per Quote 10870

Sale Total: _____ 000

Plus GST: _____ 00

Total : _____

Due Date: 28/11/2014

Payment Methods:

PLEASE INCLUDE YOUR INVOICE NUMBER AS A REFERENCE.

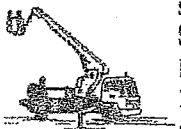
Direct Deposit to - BSB: 062-649 Acc No: 10126787

Cheque: Post to above address and include tear off remittance advice

Credit Card: Phone 02 6495 7811

REMITTANCE ADVICE

Please detach and return this section with your payment to:



SCTS Pty Ltd trading as
Sapphire Coast Tree Service & Tower Hire
 PO Box 146,
 Merimbula NSW 2548
 email: sctsaaccounts@dragnet.com.au

ECO WISE
 PO BOX 1714
 FYSHWICK ACT 2609



TAX INVOICE

00055801

(62)

Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Friday, 31 October 2014 5:13 PM
To: Deschamps, Chris
Subject: Northbourne Avenue Lighting - Ecowise progress claim
Attachments: Scan07645120141031152407.pdf

Chris,

Please find attached Ecowise's progress claim for Northbourne Avenue including tax invoice and supporting information.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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ECOWISE SERVICES (AUST) PTY LTD
ABN 23 083 075 030

P.O. Box 1714
FYSHWICK ACT 2609

93 Tennant Street
FYSHWICK ACT 2609

Phone: 02 6285 7666
Fax: 02 6280 5592

TAX INVOICE

Invoice Number	111940
Date	31/10/14

Invoice to: SHARED SERVICES PROCUREMENT CONTRACTS & PREQUAL PO BOX 818 DICKSON ACT 2602	Deliver to: ARMOURED CABLING N'BOURNE
--	---

Customer Code	Customer Reference	Payment Terms	Customer ABN
SHASER		14 Days	66676633401

CODE	PRODUCT/SERVICE DESCRIPTION	QTY/ HOURS	PRICE	GST	AMOUNT
	CONTRACT NUMBER T22727.400				
	PROGRESS CLAIM NUMBER 1 AS PER ATTACHED CERTIFICATE		90884.26	9088.43	99972.69

In NSW: "This is a payment claim made under the Building and Construction Industry Security of Payment Act 1999 NSW"

Credit Card payments will attract a surcharge of 2.7% on the total of this invoice.

Make Cheques payable to: Ecowise Services (Australia) Pty Ltd

Direct Deposits to: BSB: 032 747

A/C: 15 5066

Please use invoice number as Lodgement Reference and

Fax Remittance to: 02 6280 5592
or Email to: accounts@ecowise-services.com.au

Total Before GST added	90,884.26
Total GST of	9,088.43

S00430	TOTAL OF THIS INVOICE	99,972.69
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Payment Certificate

Principal: TAMSD

Project: Armoured Cabling Works Northbourne Avenue City

Contractor: Ecowise Services Australia Pty Ltd

Contract N°: T22727.400

Payment Certificate Number: I

Valuation Date: 31-Oct-14

For Claim/Invoice/Quotation: Claim No 1

GHD Job No. 2314970

		\$			\$
Contract Sum			Total Value of the Work carried out in		
Amount-excluding GST	\$	104,071.20	Less estimated cost of rectification	\$	93,486.04
Plus GST (10%)	\$	10,407.12	Plus/Less other amounts	\$	-
Contract Sum (including-GST)	\$	114,478.32	SUB-TOTAL	\$	93,486.04
<u>Summary of Variations/Adjustments</u>			Plus GST (10%)	\$	9,348.60
Variations Plus/minus (excluding Rise and Fall Adjustments	\$	495.00	SUB-TOTAL	\$	102,834.64
Net Variations and Adjustments Plus/Minus (excluding GST)	\$	-	Less Retention Moneys	\$	2,861.96
Adjusted Contract Value (excluding	\$	104,566.20	TOTAL	\$	99,972.69
Plus GST (10%)	\$	10,456.62	Less previous total payments certified (including GST)	\$	-
Current Contract Value	\$	115,022.82	Amount for Payment	\$	99,972.69
Limit of Retention Moneys (including GST)	\$	2,861.96	Amount of GST included in this Payment	\$	9,088.43

The amount for payment is the amount which, in our opinion as Superintendent, is to be paid by the Principal to the Contractor in respect of work under the Contract performed up to and including the Valuation Date.

Issue: Contractor File
 Principal

Tristan Yeats  for GHD Pty Ltd

Date: 31-Oct-14

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Progress Claim 1
Ecovise Services (Aust) Pty Ltd

Job Description:	Armoured Cable Upgrade Northbourne Ave	S00430
Location:	Armoured Cable Upgrade Northbourne Ave	Project No 22727.400
Client:	Shared Services Procurement	Contact No 2014.22727.400
Contact:	Tristain Yeates GHD	

Description of Works Pay Items General	Value of Component \$	This Claim %	This Claim \$	Total % claims to date	Total claimed value to	
					date	Work completed
Preliminaries						
1.1 Site Establishment	1	100.00%	\$		\$0.00	100.00%
1.2 TTM and pedestrian control	1	100.00%	\$		\$0.00	100.00%
1.3 Service Clearances	1	100.00%	\$		\$0.00	100.00%
1.4 Tree protection	1	100.00%	\$		\$0.00	100.00%
Street Lighting						
2.1 Adjust irrigation system PS	1		\$		\$0.00	0.00%
2.2 remove existing columns 24	1	100.00%	\$		\$0.00	100.00%
2.3 Inspect & transport columns & fittings	1	100.00%	\$		\$0.00	100.00%
2.4 Excavate slots for new Columns 19	1	100.00%	\$		\$0.00	100.00%
2.5 Excavate & install cages assemble columns 19	1	100.00%	\$		\$0.00	100.00%
2.6 Install Electrical conduits 250mts	1	100.00%	\$		\$0.00	100.00%
2.7 2 core 16mm cable 459 mts	1	100.00%	\$		\$0.00	100.00%
2.8 Connection & commissioning PS	1	0.00%	\$		\$0.00	0.00%
2.9 Restoration	1	100.00%	\$		\$0.00	100.00%
2.10 WAE	1	100.00%	\$		\$0.00	0.00%

Communications Assets									
3.1 Communication conducts 200mts	100.00%		\$0.00	100.00%		\$0.00			4
3.2 Underbore communication conducts	100.00%		\$0.00	100.00%		\$0.00			1
3.3 Install P5 Comms pits	100.00%		\$0.00	100.00%		\$0.00			0
4									0
3.4 Install P6 Comms pits	100.00%		\$0.00	100.00%		\$0.00			0
5									0
3.5 Hydroexcavate conduit to Transact pits PS	100.00%		\$0.00	100.00%		\$0.00			0
			\$0.00			\$0.00			0
			\$0.00			\$0.00			0
			\$0.00			\$0.00			0
			\$0.00			\$0.00			0
Variations Trim tree Inc 10% mark up	100.00%		\$0.00	100.00%		\$0.00			0
<u>TOTAL ex GST</u>		\$103,216.20			\$93,486.04				\$93,486.04
Progress Claims Issued:			\$0.00						
Balance to Claim									\$9,730.16

Checked by:..... D Hourigan.....

Dated:....29/10/14.



SCTS Pty Ltd trading as

Sapphire Coast Tree Service & Tower Hire

ABN 65 130 529 627

Canberra Based

PO Box 1393, Fyshwick ACT 2609

Phone: (02) 6232 9768 Fax: (02) 6232 9711

email: saptrees2@dragnet.com.au

web: www.sapphirecoasttree.com.au



TAX INVOICE

Bill To:

ECO WISE
PO BOX 1714
FYSHWICK ACT 2609

Invoice #:

00055801

Date:

29/10/2014

Description:

ATTN DARREN

Amount:

Purchase Order 73338

Reference: Northbourne Ave

Remove branch over hanging light as per Quote 10870

Sale Total: _____

Plus GST: _____

Total : _____

Due Date:

28/11/2014

Payment Methods:

PLEASE INCLUDE YOUR INVOICE NUMBER AS A REFERENCE.

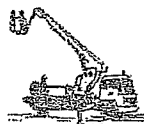
Direct Deposit to - BSB: 062-649 Acc No: 10126787

Cheque: Post to above address and include tear off remittance advice

Credit Card: Phone 02 6495 7811

REMITTANCE ADVICE

Please detach and return this section with your payment to:



SCTS Pty Ltd trading as

Sapphire Coast Tree Service & Tower Hire

PO Box 146,

Merimbula NSW 2548

email: sctaccounts@dragnet.com.au

ECO WISE

PO BOX 1714

FYSHWICK ACT 2609



TAX INVOICE

00055801

STATUTORY DECLARATION

Statutory Declarations Act 1959 (Cth)

I, Douglas William Hourigan 9 Studley St Kambah Manager Projects] make the following declaration under the Statutory Declarations Act 1959 (Cth),

- 1. In this declaration a reference to:
 - a. "Armoured Cable Northbourne Ave means an agreement which has or will shortly be entered into between the Australian Capital Territory and the Contractor for the provision of works in respect of the Project.
 - b. "Contractor" Ecowise Services Aust PTY LTD ABN 23083075030
 - c. "Project" means Project No [ACT Government Project no 22727.400] for Armoured Cable works Northbourne Ave City
 - d. the words or terms "Adverse Ruling", "Employee", "Employee and Industrial Relations Obligations", "Industrial Instruments", "IRE Certificate", "Prescribed Legislation", "Prescribed Works or Services" and "Subcontractors" have the same meaning as defined in the Contract; and
 - e. all other capitalised words or terms have the same meaning as defined in the Contract.
- 2. I am authorised on behalf of the Contractor to make this declaration.
- 3. All Employees of the Contractor who have at any time been employed by the Contractor in respect of the Project have, at the date of this declaration, been paid all moneys due and payable to them in respect of their employment on the work under the Contract.
- 4. The Contractor has, at the date of this declaration paid all amounts it is required to pay to third parties on behalf of Employees as required by Prescribed Legislation.
- 5. All Subcontractors have been paid all moneys due and payable to them in respect of work under the Contract and any subcontract with the Subcontractor.
- 6. The Contractor holds a current IRE Certificate.
- 7. The Contractor has in the preceding 24 months of the date of this declaration complied with all Prescribed Legislation

True (delete 7A and initial) Not true (answer 7A)

7A. The Contractor has not complied with the following Prescribed Legislation.

[Insert Full Details of the failure to comply with Prescribed Legislation]

8. The Contractor has in the preceding 24 months of the date of this declaration recognised the rights of its Employees to union membership and representation.

True (delete 8A and initial) Not true (answer 8A)

- 8A. The Contractor has not recognised the rights of Employees to union membership and representation in the following respects.

[Insert Full Details of how the Contractor has not recognised the rights of Employees to union membership and representation]

9. The Contractor has in the preceding 24 months of the date of this declaration complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency.

True (delete 9A and initial) Not true (answer 9A)

- 9A. The Contractor has not complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency in the following respects:

[Insert Full Details of how the Contractor has failed to comply with all amendments to wages and conditions of employment]

10. In the preceding 24 months of the date of this declaration there have been no findings against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation, including a finding of a breach in a non-confidential consent order.

True (delete 10A and initial) Not true (answer 10A)

- 10A. There have been the following findings (Full Details of which are provided) against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation:

[Set out Full Details of findings]

11. In the preceding 24 months of the date of this declaration there have been no convictions under the Prescribed Legislation against the Contractor.

True (delete 11A and initial) Not true (answer 11A)

- 11A. There have been the following convictions under the Prescribed Legislation against the Contractor:

[Set out Full Details of convictions]

12. There are currently no proceedings or prosecutions against the Contractor in respect of a breach of any Prescribed Legislation.

True (delete 12A and initial) Not true (answer 12A)

- 12A. There are currently the following proceedings or prosecutions against the Contractor in respect of a breach of Prescribed Legislation.

[Set out Full Details of proceedings or prosecutions]

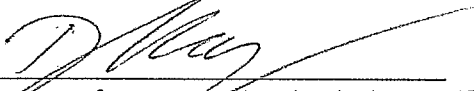
13. The Contractor has not been required to implement any remedial measures to ensure future compliance with the Prescribed Legislation.

True (delete 13A and initial) Not true (answer 13A)

13A. The Contractor has been required to implement the following remedial measures to ensure future compliance with the Prescribed Legislation:

[Set out Full Details of the remedial measures implemented]

I understand that a person who intentionally makes a false statement in a statutory declaration is guilty of an offence under section 11 of the Statutory Declarations Act 1959, and I believe that the statements in this declaration are true in every particular.



[Signature of person making the declaration]]

Douglas William Hourigan

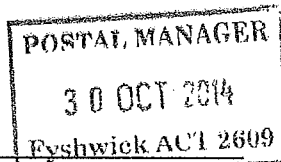
[Print name of person making the declaration]

Fyshwick 30/10/14
Declared at [place] on [day] of [month] [year]

Before me:


[Signature of person before whom the declaration is made]

Michael Svatos



[Full name, qualification and address of person before whom the declaration is made (in printed letters)]

Note 1 A person who intentionally makes a false statement in a statutory declaration is guilty of an offence, the punishment for which is imprisonment for a term of 4 years – see section 11 of the Statutory Declarations Act 1959.

Note 2 Chapter 2 of the Criminal Code applies to all offences against the Statutory Declarations Act 1959 – see section 5A of the Statutory Declarations Act 1959.

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ACT
Government
Commerce and Works

TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel: (02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street

SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

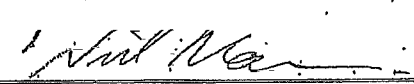
TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02 6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK (‘the Works’)	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No 2014.22727.400	
Services Description: Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include: Mobilisation and site establishment. Temporary traffic management for the works including submission and approval of plans. Services clearances and locations. Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. Excavation/trenching and installation of electrical conduits with draw wire for new streetlights.	

- Inspection and transport of Principal supplied lighting equipment including rag bolts.
- Excavation and construction of street light column footings including supply of reinforcement cages.
- Assembly and erection of light poles including all fittings and rag bolts.
- Reticulation of electrical cabling.
- Connection and commissioning of lighting poles in conjunction with ACTEW.
- Preparation of WAE drawings to TAMS and ACTEW requirements.
- The works are to be staged and constructed to allow the following:
 - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public.
 - Stage Two is to commence immediately after Stage One is completed and has reached practical completion.
- Liquidated Damages: \$2,500.00 per week.

TOTAL PRICE (GST Inclusive) One hundred and fourteen thousand, four hundred and seventy eight dollars, thirty two cents:		\$114,478.32
WORK HEALTH AND SAFETY MATTERS		
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).		No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?		Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)		Yes
PRINCIPAL'S DETAILS		
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)	
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601	
Telephone	02 6207 6222 or 0414 463 550	
Facsimile	02 6207 6587	
Email Address	Chris.deschamps@act.gov.au	
Principal's Representative	Chris Deschamps - Street Light and Asset Acceptance Coordinator	

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
Tenderer's Name (including ABN or ACN if a company)	Ecowise Services Australia Pty Ltd 23 083 075 030
	ACN/ABN
Address for the service of notices	PO Box 1714, Fyshwick ACT 2609
Telephone	(02) 62857666
Facsimile	(02) 62805592
Email Address	doug.hourigan@ecowise-services.com.au
I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.	Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company 

ACCEPTANCE OF TENDER	
Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.	Signature Date: 28/7/14

SS

Deschamps, Chris

From: Deschamps, Chris
Sent: Thursday, 30 May 2013 7:25 AM
To: Peter Evans
Subject: Quotation Please Northbourne Ave lighting design

Hi Peter,

As discussed on site yesterday, could you please provide a quotation for the following:

Stage 1 - Northbourne Ave path lighting between the two carriageways between Alinga and Rudd Streets

Design parameters:

Lighting design of this pathway to a P1 category

Lighting to be installed on the Western side of the path using Fyntrim columns and Sylvania elipt 45 full cut off luminaires (same as installed on paths at intersections and endorsed in the City Lighting Master plan)

Cable to be three phase 16mm between each street light in 50mm conduit

All columns to be directionally bored or hydro excavated due to mature trees

Plinth design for the columns

Removal of redundant cable and twin sphere lights on either side of the pathway

Documentation

Compliant street light design to AS1158 category P1

A comprehensive bill of quantities including a separate costing for the civil component of works

NCA, ESDD and other stakeholder (works approval) approvals

Dependent on cost estimate a short form tender to TAMS approved civil contractors

Works as executed drawings

ActewAGL connection approvals

Superintendence

Cost to superintend the civil components

Stage 2 - Northbourne Ave path lighting between the two carriageways between Barry Drive and Rudd Street

Design parameters:

Lighting design of this pathway to a P1 category

Lighting to be installed on the Western side of the path using Fyntrim columns and Sylvania elipt 45 full cut off luminaires (same as installed on paths at intersections and endorsed in the City Lighting Master plan)

Cable to be three phase 16mm between each street light in 50mm conduit

All columns to be directionally bored or hydro excavated due to mature trees

Plinth design for the columns

Removal of redundant cable and twin sphere lights on either side of the pathway

Documentation

Compliant street light design to AS1158 category P1

A comprehensive bill of quantities including a separate costing for the civil component of works

NCA, ESDD and other stakeholder (works approval) approvals

Dependent on cost estimate a short form tender to TAMS approved civil contractors

Works as executed drawings

ActewAGL connection approvals

Superintendence

Cost to superintend the civil components

Could you please provide the two quotations via email to me by COB Friday 14 June 2013

If you require any further information, please do not hesitate to contact me

Chris Deschamps
Street Light Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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Deschamps, Chris

From: Deschamps, Chris
Sent: Wednesday, 17 July 2013 7:21 AM
To: Tristan Yeats
Cc: Peter Evans
Subject: RE: Northbourne Avenue Pedestrian Lighting Fee Proposal

Hi Tristan,

Please accept this email that your fee proposal is accepted. I will draft up a services contract in the next week for this project.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Wednesday, 19 June 2013 12:36 PM
To: Deschamps, Chris
Cc: Peter Evans
Subject: Northbourne Avenue Pedestrian Lighting Fee Proposal

Chris,

In response to your request for a quote for design and superintendence services for an upgrade of pedestrian lighting in the Northbourne Avenue median, please find attached a fee proposal letter.

If you have any queries regarding our proposal please don't hesitate to contact myself or Peter.

Regards

Tristan Yeats

Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com

Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>
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Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Monday, 16 December 2013 9:55 AM
To: Deschamps, Chris
Subject: FW: Northbourne Avenue Lighting
Attachments: 23-14970-C001-RA.pdf; 23-14970-C002-RA.pdf; 23-14970-C003-RA.pdf

Sorry – forgot the attachments

Regards

Tristan Yeats

Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | **V:** 23 3406 | **M** 0413 931 866 | **F** 61 2 6113 3299 | tristan.yeats@ghd.com

Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/Water> | [Energy & Resources](#) | [Environment](#) | [Property & Buildings](#) | [Transportation](#)

From: Tristan Yeats
Sent: Monday, 16 December 2013 9:54 AM
To: Chris Deschamps
Subject: Northbourne Avenue Lighting

Chris,

Please find attached the Northbourne Avenue lighting drawings. I thought I'd sent these through previously but admittedly I couldn't find a record of this so my apologies for the oversight.

Anyway, if you can have a look over these and advise if you have any comments and we can then proceed to finalise this and get it out to the market early in the new year.

Regards

Tristan Yeats

Civil Infrastructure Engineer

GHD

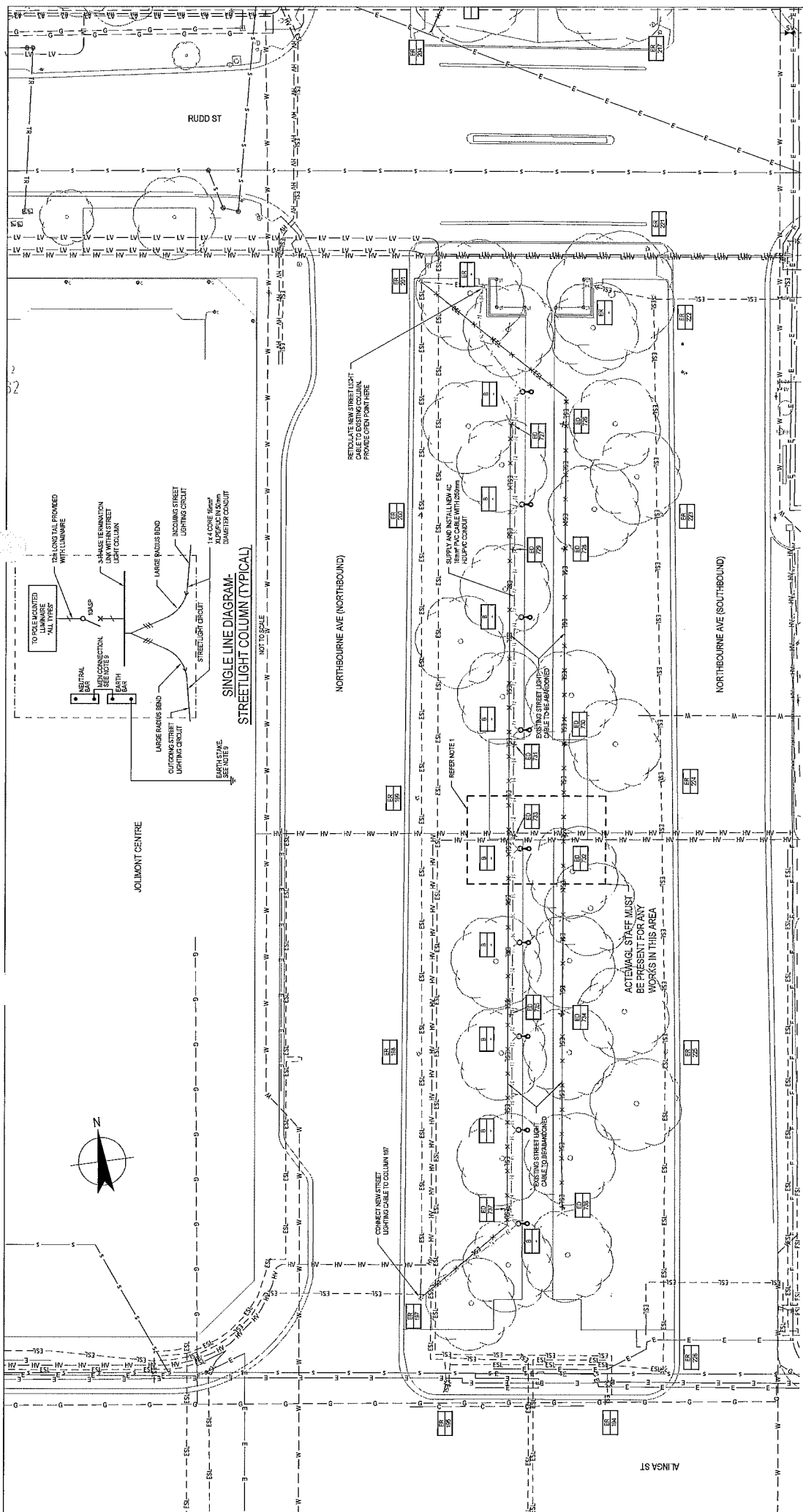
T: 61 2 6113 3406 | **V:** 23 3406 | **M** 0413 931 866 | **F** 61 2 6113 3299 | tristan.yeats@ghd.com

Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/Water> | [Energy & Resources](#) | [Environment](#) | [Property & Buildings](#) | [Transportation](#)

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NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION. EXCAVATION SHALL BE TO MINIMUM DEPTH TO LOCATE CABLES. EXCAVATION SHALL BE TO MINIMUM DEPTH TO LOCATE CABLES. EXCAVATION SHALL BE TO MINIMUM DEPTH TO LOCATE CABLES.
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED. PROPOSED MULTIFUNCTION COLUMN WITH 1.7M METAL HUBLE MOUNTED AS METERS HIGH WITH 0.3 METERS COUNTER ARM.
- EXISTING STREET LIGHTS TO REMAIN. EXISTING STREET LIGHTS TO BE RE-RODDED.

LEGEND

- NEW LOW VOLTAGE STREET LIGHT SUPPLY - 40' HUBLE IN X-3000 SYSTEM TO LONG COLUMN
- EXISTING STREET LIGHT SUPPLY
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
- PROPOSED MULTIFUNCTION COLUMN WITH 1.7M METAL HUBLE MOUNTED AS METERS HIGH WITH 0.3 METERS COUNTER ARM
- EXISTING STREET LIGHTS TO REMAIN
- EXISTING STREET LIGHTS TO BE RE-RODDED

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Scale: AS SHOWN

PRELIMINARY

TAMSD
 NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE

PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
 Drawing No: 23-14970-C001

Client: N. MILLER
 Designer: N. MILLER
 Drawn: S. KREEPE
 Checked: S. KREEPE
 Approved: S. KREEPE
 Date: AS SHOWN

PRELIMINARY ISSUE

No Revision: None - indicates signature on original issue of drawing as part revision of drawing

Project: PE
 Date: 12.10.13

Scale: AS SHOWN

Revision: None - indicates signature on original issue of drawing as part revision of drawing

Project: PE
 Date: 12.10.13

Scale: AS SHOWN

Revision: None - indicates signature on original issue of drawing as part revision of drawing

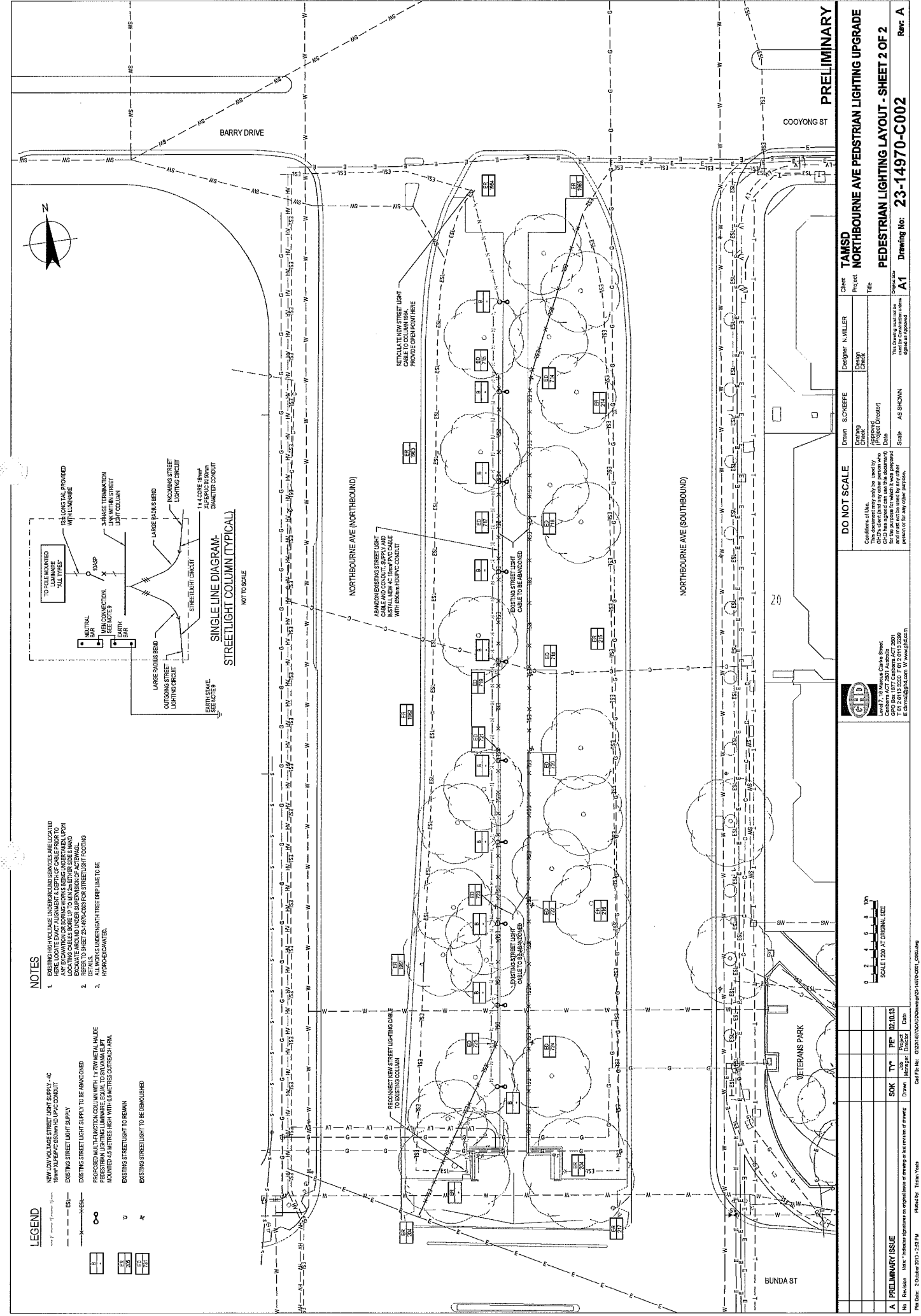
Project: PE
 Date: 12.10.13

Scale: AS SHOWN

Revision: None - indicates signature on original issue of drawing as part revision of drawing

Project: PE
 Date: 12.10.13

Scale: AS SHOWN



[Symbol]	EXISTING STREET LIGHT SUPPLY
[Symbol]	PROPOSED MULTI-FUNCTION COLUMN WITH 1 X 70W METAL HALIDE PERISTRIAN LIGHTING LUMINAIRE EQUAL TO SV18A SPLIT MOUNTED 4.5 METRE HIGH WITH 4.5 METRES OUTREACH
[Symbol]	EXISTING STREET LIGHT TO REMAIN
[Symbol]	EXISTING STREET LIGHT TO BE DEMOLISHED

NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED BY THE SERVICES DESIGNER'S SUPPLY. ANY EXCAVATION OR WORKS BEING UNDERTAKEN UPON EXISTING CABLES SHOULD BE TO MATCH EITHER SIDE & MAND REFER TO SHEET 23-14970-C002 FOR STREET LIGHT LOCATIONS.
- DETAILS OF THE LUMINAIRE TYPE SHOWN ARE TO BE APPROVED BY THE ROAD DEPARTMENT.
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED.

PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2			
PRELIMINARY			
Project Title: TAMSD NORTHBOURNE AVE PEDESTRIAN LIGHTING UP-GRADE		Drawing No: 23-14970-C002	
Client: TAMSD	Designer: M. MILLER	Scale: AS SHOWN	Revision: A1
Project: NORTHBOURNE AVE	Checked: S. SCHEFFE	Project Director: S. SCHEFFE	Drawn: S. SCHEFFE
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Do not scale			
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Scale: AS SHOWN			
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GHD Pty Ltd, Level 7, 18 Market Street, Sydney, NSW 2000, Australia Tel: +61 (0) 2 913 5200 Fax: +61 (0) 2 913 5209 E: enquiries@ghd.com W: www.ghd.com			
Revision: A1 Date: 02/10/15 By: S. SCHEFFE Checked: S. SCHEFFE			
PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2			

GENERAL

1. ALL WORKMANSHIP TO BE IN ACCORDANCE WITH THE DCAV AND CURRENT S.A. CODES AND WITH THE MAXIMUM DIMENSIONS OF THE ELEMENTS UNLESS OTHERWISE SPECIFIED.
2. SETTING OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS NOT TO BE OBTAINED BY SQUARING THE STRUCTURAL DIMENSIONS. ANY SETTING OUT DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS TO BE CHECKED BY THE CONTRACTOR AND TO BE APPROVED BY THE SUPERINTENDENT ENGINEER.
3. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE STRUCTURES REMAINED UPRIGHT AND STABLE AT ALL TIMES. ALL DIMENSIONS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. RELEVANT S.A. CODES AND BUILDING CODES OF AUSTRALIA AND TERRITORY 2. EARTHQUAKE LOADING WITH AS 1170 BASED UPON A BASIC WIND VELOCITY OF 46m/PH AND TERMINAL VELOCITY 2. EARTHQUAKE LOADING WITH AS 1170 BASED UPON A BASIC WIND VELOCITY OF 46m/PH AND TERMINAL VELOCITY 2. EARTHQUAKE LOADING WITH AS 1170 BASED UPON A BASIC WIND VELOCITY OF 46m/PH AND TERMINAL VELOCITY 2.
6. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT CODES OF PRACTICE EXCEPT WHERE VARIATION BY THE SPECIFICATION AND/OR DRAWINGS.

7. ALL TESTS FOR TESTING SOILS FOR ENGINEERING PURPOSES SHALL BE IN ACCORDANCE WITH THE CURRENT CODES OF PRACTICE EXCEPT WHERE VARIATION BY THE SPECIFICATION AND/OR DRAWINGS.

AS 471 STEEL REINFORCING MATERIALS
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CONTRACTOR TO NOTIFY TO LOCATE EXISTING SERVICES PRIOR TO EXCAVATION. CONTRACTOR TO REDOOTE SERVICES REQUIRED IN CONSULTATION WITH THE SUPERINTENDENT.

FOUNDATION INVESTIGATION HAS BEEN UNDERTAKEN.
FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 100kPa. FOUNDATION MATERIAL TO BE CONCRETE. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

FOOTING TO BE LOCATED CENTRALLY UNDER LIGHT POLES.
FOOTING LEVELS, WHERE SHOWN, ARE ESTIMATED ONLY AND SHALL BE CHECKED DURING SITE INSPECTION.
UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT ENGINEER, THE LIMITATIONS OF EXCAVATIONS NEAR FOOTINGS SHALL BE AS FOLLOWS:



14. WHERE SELECT FILL IS SHOWN ON THE DRAWINGS, FILL SHALL COMPLY WITH THE FOLLOWING:
 1. REMOVE TOPSOIL (IF ANY) AND SORTING FILL.
 2. PLACE FILL IN MAX. 150 THICK LAYERS, EACH LAYER COMPACTED TO 98% MUD.
 3. FILL TO COMPLY WITH:
 - PERCENTAGE PASSING 75µm sieve 5% MAX.
 - PLASTICITY INDEX NOT GREATER THAN 15% AND NOT LESS THAN 7%.
 - MINIMUM SOLOID CER TO BE 15%.

CONCRETE

1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH A.S.2002 AND THE CONCRETE SPECIFICATION.
2. CONCRETE QUALITY:
 - MAX. W/C RATIO = 0.50
 - MAX. W/P RATIO = 140
 - PROJECT CONTROL TESTING TO BE CARRIED OUT IN ACCORDANCE WITH A.S.3002.

ELEMENT	SUJAP	MAX. SIZE AGGREGATE	COBLENCE TYPE	CONCRETE GRADE
BORED PIERS	80	20	GP	25 MPa

NO. 6 BARS TO BE USED IN ALL CONCRETE AS PER TABLES OF MATERIALS. ALL EXPOSED EGDS AND CORNERS TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

THE FINISHED CONCRETE TO BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY AND WITHOUT HONEYCOMBING OR OTHER DEFECTS. ALL CONCRETE INCLUDING SUBS ON GROUND AND FORMWORK TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

CURING OF ALL CONCRETE TO BE CARRIED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS. PROTECTION OF CONCRETE TO BE MAINTAINED UNTIL TOTAL COMPRESSION STRENGTH IS ACHIEVED BY A GRADUAL DRINKING OUT OF SURFACES WITH WATER. ALL CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

CONCRETE, PLASTER, ETC. NOT TO BE LOCATED AS SHOWN IN THE DRAWINGS AS APPROVED BY THE SUPERINTENDENT ENGINEER.

SHrinkage MAXIMUM DRYING SHrinkage STRAIN MEASURED IN ACCORDANCE WITH AS 1019 PART 13 SHALL NOT EXCEED 800 x 10⁻⁶ AT 7 DAYS. UNDERSTAKE TESTING IS SHrinkage BARS TO DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS FOR ALL LARGE MASS CONCRETE ELEMENTS.

FORMWORK

1. THE DESIGN, CONSTRUCTION, PERFORMANCE AND MAINTENANCE OF THE FORMWORK AND SCAFFOLDING IS THE RESPONSIBILITY OF THE SUBCONTRACTOR. DESIGN AND CONSTRUCTION OF FORMWORK TO BE IN ACCORDANCE WITH A.S.2810 UNLESS OTHERWISE APPROVED IN WRITING BY THE DESIGNER.

REINFORCEMENT

1. CLEAR CONCRETE COVER TO ALL REINFORCEMENT TO BE AS FOLLOWS, UNLESS SHOWN OTHERWISE.

ELEMENT	COVER (mm)	COVER (mm)
BORED PIERS	75	75

ALL REINFORCEMENT TO BE PRIMARY STRUCTURED NOT GREATER THAN 16mm DIAMETER UNLESS NOTED OTHERWISE. BARS TO BE TIED AT ALL INTERSECTION POINTS.

REINFORCEMENT SYMBOLS:
Y - DENOTES GRADE 400 BARS TO A.S.2002
R - DENOTES GRADE 200 HOT ROLLED PLAIN BARS TO A.S.2002
F - DENOTES GRADE 600 HARD DRAWN WIRE REINFORCING FABRIC TO A.S.2002
W - DENOTES GRADE 400 W HARD DRAWN PLAIN WIRE TO A.S.2002

Y17 - DENOTES NUMBER OF BARS IN GROUP
Y17 - DENOTES NUMBER OF BARS IN GROUP
Y17 - DENOTES NUMBER OF BARS IN GROUP
Y17 - DENOTES NUMBER OF BARS IN GROUP

REINFORCEMENT IS REPRESENTED GRAPHICALLY AND NOT NECESSARILY IN FULL PROJECTION. SUPERINTENDENT ENGINEER, ROOMS, LAYS, SIZES AND BEINGS TO BE IN ACCORDANCE WITH A.S.2002 LAYS TO BE NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR SHOWN BELOW U.N.O.

BAR SIZE (mm)	SPICE LENGTH (mm)
100	800

WELDING OF REINFORCEMENT NOT TO BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE DESIGNER.
NOTES AND PROVIDE ACCESS TO THE ELECTRICAL CONTRACTOR TO CONNECT BATTING CONDUCTORS TO THE STEEL REINFORCEMENT IN THE CONCRETE FOOTINGS IF REQUIRED.

ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH A.S.2002 AND THE CONCRETE SPECIFICATION.

CONCRETE QUALITY:
- MAX. W/C RATIO = 0.50
- MAX. W/P RATIO = 140
- PROJECT CONTROL TESTING TO BE CARRIED OUT IN ACCORDANCE WITH A.S.3002.

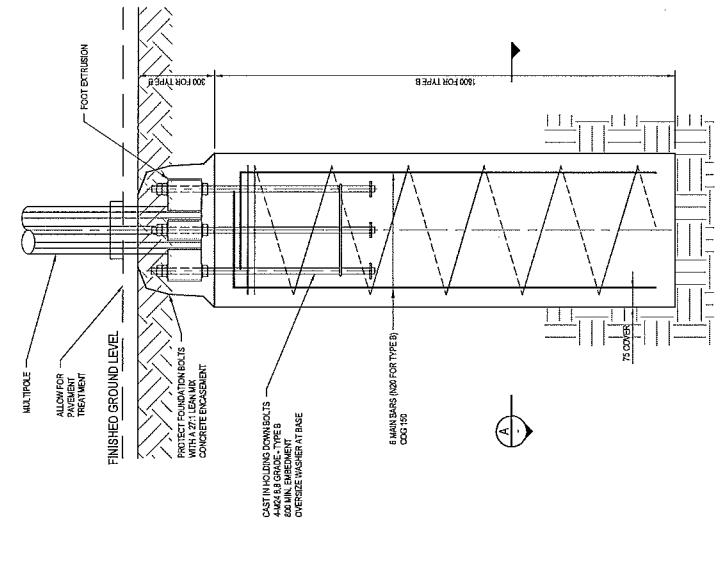
NO. 6 BARS TO BE USED IN ALL CONCRETE AS PER TABLES OF MATERIALS. ALL EXPOSED EGDS AND CORNERS TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

THE FINISHED CONCRETE TO BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY AND WITHOUT HONEYCOMBING OR OTHER DEFECTS. ALL CONCRETE INCLUDING SUBS ON GROUND AND FORMWORK TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

CURING OF ALL CONCRETE TO BE CARRIED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS. PROTECTION OF CONCRETE TO BE MAINTAINED UNTIL TOTAL COMPRESSION STRENGTH IS ACHIEVED BY A GRADUAL DRINKING OUT OF SURFACES WITH WATER. ALL CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS. UNARMED CONCRETE TO BE PROTECTED WITH 25mm PLASTIC OR CHAMBERS.

CONCRETE, PLASTER, ETC. NOT TO BE LOCATED AS SHOWN IN THE DRAWINGS AS APPROVED BY THE SUPERINTENDENT ENGINEER.

SHrinkage MAXIMUM DRYING SHrinkage STRAIN MEASURED IN ACCORDANCE WITH AS 1019 PART 13 SHALL NOT EXCEED 800 x 10⁻⁶ AT 7 DAYS. UNDERSTAKE TESTING IS SHrinkage BARS TO DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS FOR ALL LARGE MASS CONCRETE ELEMENTS.



CONCRETE PIER
TYPE B - 4500 HIGH MULTIPOLE
SCALE 1:20



A SECTION
SCALE 1:20

DO NOT SCALE	Designer	Checker	Project Title
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Scale	AS SHOWN
Scale	AS SHOWN

CHD
Level 17, 10 Market Choke Street
GPO Box 997, Adelaide 5001
T 81 813 3000 F 81 813 3099
E enquiries@chd.com.au W www.chd.com.au

SO	NO	DATE	BY	CHKD	APPD

NO	REVISION	DATE	BY	CHKD	APPD
A	PRELIMINARY ISSUE		SOK	TY	PEP

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Deschamps, Chris

From: Stuart Taylor [stutaylor@sla.net.au]
Sent: Monday, 16 December 2013 3:51 PM
To: Deschamps, Chris
Subject: Northbourne Ave - Armoured Cable
Attachments: QutPrj_2012190V0R0 (NORTHBOURNE AVENUE ARMOURED CABLE).pdf

Hi Chris

Further our phone call earlier, please find attached our quotation for Elipt 45 luminaires for this project.

As discussed, pricing included an allowance for air freight.

Trust all ok please give me a call if you need to discuss.

Regards
Stuart

Stuart Taylor

ACT Specification sales - roadway
Sylvania Lighting Australasia
Fax: +61 6291 0761
Mob: +61 0403 047 582
Email: stutaylor@sla.net.au
Web: <http://www.sla.net.au>



A member of the Gerard Lighting Group

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SYLVANIA
CSE

Where
innovation
comes to
light.

HEAD OFFICE
Sylvania Lighting
Australasia Pty. Ltd.
ACN 000 534 243
ABN 81 000 534 243
Sylvania Way, Lisarow
Locked Bag 9, Gosford
NSW 2250 Australia
Phone (02) 4328 0600
Fax (02) 4328 2605
sylvania@sla.net.au

NEW SOUTH WALES
Suite 1c, 69 Waterloo Rd.
North Ryde NSW 2113
Phone 02 8873 0000
Fax 02 8873 0001
nswprojects@sla.net.au

VICTORIA
87 Moreland St.
Footscray VIC 3011
Phone 03 9689 7833
Fax 03 9689 5611
vicprojects@sla.net.au

QUEENSLAND
25 Donkin St.
West End QLD 4101
Phone 07 3034 8600
Fax 07 3846 3689
slaql@sla.net.au

WESTERN AUSTRALIA
77 Truganina Road.
Malaga WA 6090
Phone 08 9249 2890
Fax 08 9249 8160
slawa@sla.net.au

SOUTH AUSTRALIA
142-144 Fullarton Rd
.Rose Park.
Phone 1300 519 796
Fax 1800 648 641
slasa@sla.net.au

For Customer:

TERRITORIAL AND MUNICIPAL SERVICES
TAMS.
255 CANBERRA AVENUE
FYSHWICK
2609

QUOTATION

PAGE 1 of 1

50

Quoted By: Kelly Boyd

Quote No.: 2012190 Ver: 0 Rev: 0	Project: NORTHBOURNE AVENUE ARMoured CABLE	Region: NSW
Contact: CHRIS DESCHAMPS	Phone:	Fax:
Spec Rep: STUART TAYLOR	Whls Rep: STUART TAYLOR	Date: 16/12/13

Typ	ITEM No.	DESCRIPTION	QTY	UNIT PRICE	EXT PRICE	GST	Total
	EELLE4106L	ELIPT45 70MH PEB CO 0101 C/W 70W MH LAMP, PE CELL & 8M CABLE TO SUIT - ANOTEC SILVER GREY ((AIR FREIGHT INCLUDED IN-PRICING))	19				
	LEAD TIME	8-10 WEEKS THIS IS VIA AIR FREIGHT ((EXCLUDING 3 WEEK CHRISTMAS SHUTDOWN))	0	\$.00	\$.00	\$.00	\$.00
TOTAL			19				

THIS QUOTE IS SUBJECT TO SYLVANIA LIGHTING AUSTRALASIA PTY LTD, TERMS & CONDITIONS AVAILABLE UPON REQUEST.

- (1) All prices are firm for 30 days, for delivery and invoice of equipment within 30 days, subject to product availability.
- (2) Unit prices are exclusive of GST and are subject to availability of stock.
- (3) Prices are subject to change if there is a variation in quantity or specification.
- (4) Unless otherwise stated pole pricing does not include delivery or off-loading at site.
- (5) Once ordered indent and Project items are strictly non-returnable and/or cancellations will not be accepted.



Deschamps, Chris

From: Deschamps, Chris
Sent: Thursday, 19 December 2013 2:48 PM
To: Stuart Taylor
Subject: FW: Message from "FYSHTCB01LOGP05"
Attachments: 201312191348.pdf

Hi Stuart,

PO enclosed.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au



ACT
Government

Territory and Municipal Services

48

ABN: 37 307 569 373

Purchase Order

Send To
SYLVANIA LIGHTING AUSTRALASIA PTY LTD SUITE 1C 69 WATERLOO RD NORTH RYDE, NSW 2113

Deliver To
255 Canberra Avenue FYSHWICK ACT 2609

Invoice To
255 Canberra Avenue FYSHWICK ACT. 2609

Order Number: Z702 0770

Please quote this number on all deliveries and invoices.
Please supply the undermentioned goods/services in accordance with the terms and conditions.

Supplier No: 69129	Buyer: M MITREVA	Creation Date: 17-DEC-2013
Contact:		
Phone: (02) 88730000	Quote No: 2012190-16/12/13	Payment Terms: 30 Days

Notes: Contact Chris Deschamps 0414 463 550	Page: 1 of 1
--	---------------------

Item	Description	Qty	Unit	Unit Price	Unit Total (Ex GST)
1	ELIPT45 70MH PEB CO 0101 C/W 70W MH LAMP, PE CELL & 8M CABLE TO-SUIT-ANOTEC SILVER GREY (AIR.FREIGHT INCLUDED IN PRICING)	19	EACH		

Total Exclusive of GST:	.90
Total Inclusive of GST, where applicable:	

Ross SCHOFIELD (ACT PS)

Person Authorised to Sign

19-DEC-2013

Signature

Date

47

Deschamps, Chris

From: Deschamps, Chris
Sent: Tuesday, 4 February 2014 4:02 PM
To: Peter Evans
Cc: Tristan Yeats
Subject: FW: Quotation Please
Attachments: Multipole data sheet Canberra Type B.pdf

Hi Peter,

Can you please confirm that this is the correct column for Northbourne Ave.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:53 PM
To: Deschamps, Chris
Subject: FW: Quotation Please

Sorry – I sent this before attaching the documents

Ian

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:51 PM
To: 'Deschamps, Chris'
Subject: RE: Quotation Please

Dear Chris,

As promised yesterday I attach our quotation for the 19 poles requested in your email below.
I have kept the pricing to our 2011 prices agreed with GHD.
I have also quoted for 1000mm outreach arms as requested but note on this pole we have provided 600mm arms.
Pricing is the same for either as they are cut from the same extrusion.

Kind regards

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
Fyntrim Pty Ltd
Manufacturers of Multipole and Multipole Solar

2/81 Bassett Street

Mona Vale
NSW 2103
Australia
PH: +61 2 9997 1211
Fax: +61 2 9997 3533
Mobile: 0419 413 241
Email: ian.hutchinson@goldspar.com.au
Web sites:
www.lightpole.com
www.goldspar.com.au

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Monday, 3 February 2014 2:12 PM
To: Ian Hutchinson
Subject: Quotation Please

Hi Ian,

I am after a quotation for the following project:

City – Northbourne Ave Armoured cable replacement.

19 x 4.5m aluminium columns (similar to the ones ordered by Peter Evans from GHD for City Projects)
19 x 1m O/R arms
19 sets of ragbolts suitable for the columns above
76 x brackets that use for hanging flower pots

All other associated materials, skirts, bolts etc. Delivery of all materials is to 255 Canberra Ave Fyshwick.

Also I am after a quote for two sets of ragbolts that have i have borrowed of Ecowise Services for Molonglo which they have lent me and I have to replace

If you would like further information, please do not hesitate to contact me.

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

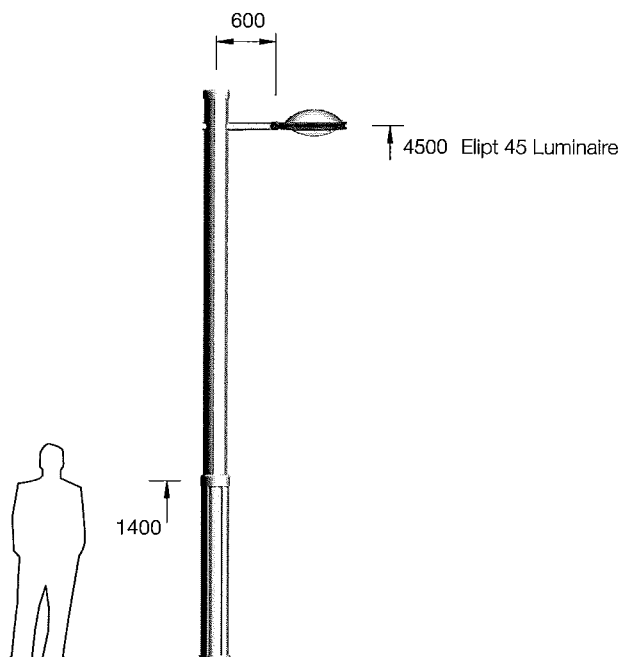
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APPROVED FOR FABRICATION

SIGN

DATE

46



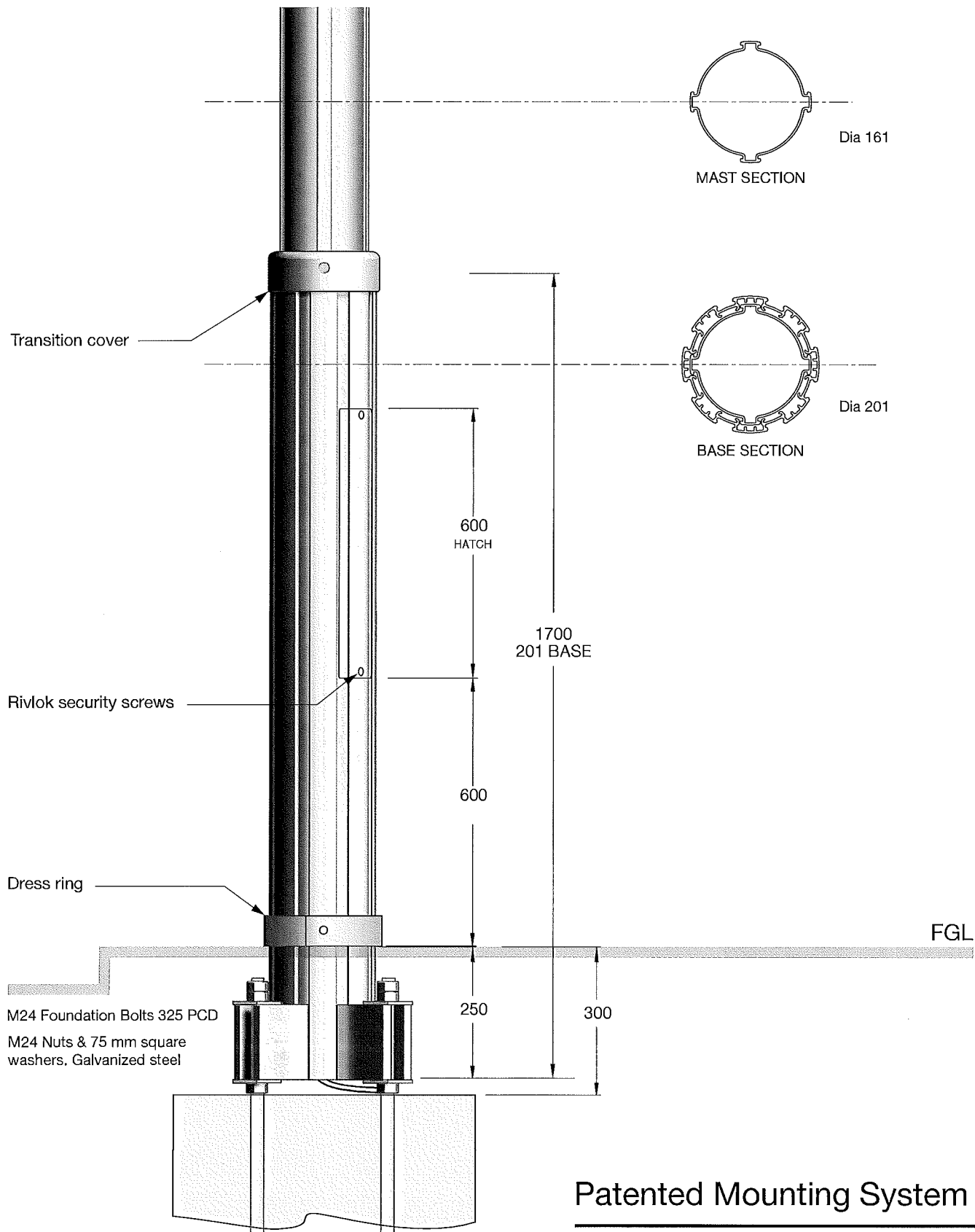
Pole	Pedestrian
Height	4.5 Metre
Material	Aluminium 6005A T5
Finish	20 Micron natural satin anodize
Shape	Multipole Dia 161
Base	Impact absorbing frangible, See D1
Arm	
Material	Aluminium 6063 T6
Finish	20 Micron natural satin anodize
Length	0.6 Metre
Diameter	60 mm OD

PATENT PENDING
ALL INFORMATION CONTAINED IN THIS DRAWING IS CONFIDENTIAL
AND MUST NOT BE DISCLOSED TO OR COPIED TO A THIRD PARTY
WITHOUT WRITTEN CONSENT FROM FYNTRIM PTY LTD
FYNTRIM GOODCART 2011

Canberra  Central

Multipole™ Data Sheet
Canberra ACT

TYPE B / 201 Series REF M201-4.5-0.6S



Concrete foundation by others

Patented Mounting System

NOTE

All poles manufactured in accordance with relevant standards
Pole footings to be engineered by others to suit local environmental conditions.

Multipole™ Data Sheet
Canberra ACT

TYPE B / 201 Series

D1

45

Deschamps, Chris

From: Ian Hutchinson [ian.hutchinson@goldspar.com.au]
Sent: Tuesday, 4 February 2014 4:21 PM
To: Deschamps, Chris
Subject: RE: Quotation Please
Attachments: Northborne Avenue Armoured Cable Project Multipoles TAMS 4 2 14.pdf

As discussed on the telephone please see attached revised quote. Revision incorporates the two additional sets of rag bolts within the quote.

Regards

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
Fyntrim Pty Ltd
Manufacturers of Multipole and Multipole Solar

?/81 Bassett Street
Mona Vale
NSW 2103
Australia
PH: +61 2 9997 1211
Fax: +61 2 9997 3533
Mobile: 0419 413 241
Email: ian.hutchinson@goldspar.com.au
Web sites:
www.lightpole.com
www.goldspar.com.au

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Tuesday, 4 February 2014 4:01 PM
To: Ian Hutchinson
Subject: RE: Quotation Please

Hi Ian,

I am also after the quote to replace the 2 x sets of ragbolts that I borrowed off Ecowise, please see at the bottom of the email.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:53 PM
To: Deschamps, Chris
Subject: FW: Quotation Please

Sorry – I sent this before attaching the documents

Ian

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:51 PM
To: 'Deschamps, Chris'
Subject: RE: Quotation Please

Dear Chris,

As promised yesterday I attach our quotation for the 19 poles requested in your email below.

I have kept the pricing to our 2011 prices agreed with GHD.

I have also quoted for 1000mm outreach arms as requested but note on this pole we have provided 600mm arms.

Pricing is the same for either as they are cut from the same extrusion.

Kind regards

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
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2/81 Bassett Street

Mona Vale

NSW 2103

Australia

PH: +61 2 9997 1211

Fax: +61 2 9997 3533

Mobile: 0419 413 241

Email: ian.hutchinson@goldspar.com.au

Web sites:

www.lightpole.com

www.goldspar.com.au

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Monday, 3 February 2014 2:12 PM
To: Ian Hutchinson
Subject: Quotation Please

Hi Ian,

I am after a quotation for the following project:

City – Northbourne Ave Armoured cable replacement.

19 x 4.5m aluminium columns (similar to the ones ordered by Peter Evans from GHD for City Projects)
19 x 1m O/R arms
19 sets of ragbolts suitable for the columns above
76 x brackets that use for hanging flower pots

All other associated materials, skirts, bolts etc. Delivery of all materials is to 255 Canberra Ave Fyshwick.

Also I am after a quote for two sets of ragbolts that have i have borrowed of Ecowise Services for Molonglo which they have lent me and I have to replace

If you would like further information, please do not hesitate to contact me.

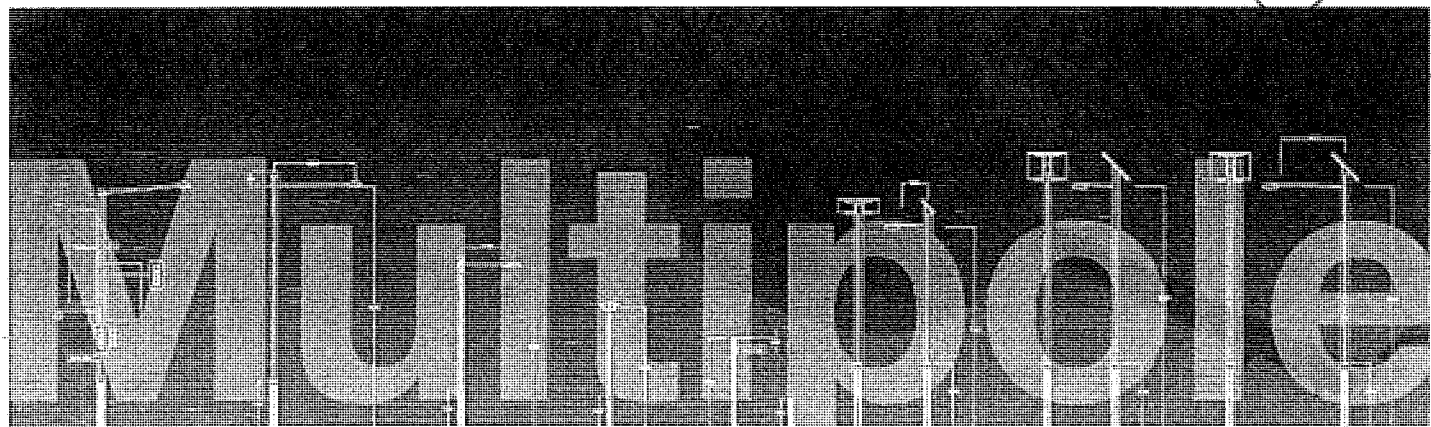
Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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400



4 February 2014

Directorate of Territory & Municipal Services
Roads ACT
Level Macarthur House
12 Wattle Street
Lyneham – ACT 2602

Attention: Chris Deschamps

Dear Chris,

Re: Multipole (Fyntrim Pty Ltd) Light Columns—Northborne Avenue Armoured Cable Replacement Project, ACT.

As requested in your email dated 3 February 2014 we have pleasure in providing a quotation to manufacture and supply our Multipole Multi-Function light poles for the above project..

Our pricing has been based on the following information:

- Your email dated 3 February 2014 requesting pricing for:
 - 19 x 4.5m Multipole Series 201 light poles 4.5m high
 - 19 x 1m light arms
 - 19 sets of M24 rag bolt kits to suit proposed poles
 - 76 Multipole flower pot brackets
 - Two replacement sets of M30 Rag bolts
- Multipole Data sheet detailing the Canberra poles previously supplied to the Civic area.
- Poles to match the Multipoles already provided in the Civic area.

As you are aware we have agreed pricing for these items with GHD back in July 2011 for projects between 2011 and July 2013. We propose to maintain the previously agreed prices as the price of aluminium has been stable.

We note you have requested 1m outreach arms. These poles in the past have been delivered with 600mm arms but we have quoted for 1m arms as they are the same price.

Fyntrim Pty Ltd

ABN 47 080 373 404
A division of the Goldspar Group
Manufacturers of

Multipole[®]
and
Multipole[®]
Solar[®]

PO Box 588 Mona Vale
2/81 Bassett Street Mona Vale
NSW 2103 Australia
T +61 2 9997 1278
F +61 2 9997 3533
sales@lightpole.com
www.lightpole.com

We therefore quote to supply and deliver to your warehouse at 255 Canberra Avenue Fyshwick , Fyntrim Multipole Multifunction pole columns as below:

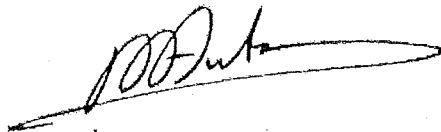
Item	Quantity	Rate	Cost (Excl GST)
1. Type B Multipole 201 – 4.5m, 1m OR	19	\$	
2. Rag Bolt kit to suit type B pole (M24)	19	\$	
3. Rag Bolt kit to suit 12m Pole (M30)	2	\$	
4. Canberra "style" plant pot brackets	76	\$	
5. Freight – Semi Trailer load	1	\$	
			<hr/>
			Total Cost
			\$ 52,455.00
			GST
			<u>\$ 5,245.50</u>
			<u>\$ 57,700.00</u>

Please note the following in respect of the above price:

- Delivery of the poles will be to your warehouse in ACT.
- Lead time is normally estimated at 10 weeks from receipt of purchase order and deposit. This may be bettered depending on our material stock position at time of receipt of purchase order.
- Assembly of the pole is included in the price but foundations, foundation cages, wiring, standing of the pole and supply of light fittings will be your responsibility.
- Warranty will be the standard 10 year Fyntrim Pty Ltd warranty.
- This offer is valid for 60 days.
- Our terms require the payment of 50% on receipt of purchase order with the balance on completion of manufacture but prior to delivery in accordance with previous agreements.

Many thanks for this opportunity. Please do not hesitate to call if you require further information or clarification.

Regards



Ian Hutchinson
Director
Fyntrim Pty Ltd
Manufacturers of Multipole and Multipole Solar

43

Deschamps, Chris

From: Deschamps, Chris
Sent: Wednesday, 5 February 2014 1:01 PM
To: Tristan Yeats
Subject: RE: Quotation Please

Thanks,

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [mailto:Tristan.Yeats@ghd.com]
Sent: Tuesday, 4 February 2014 4:48 PM
To: Deschamps, Chris
Cc: Peter Evans
Subject: RE: Quotation Please

Chris,

I can confirm that drawing provided is for the same pole as we've installed elsewhere and as we documented on the Northbourne Avenue drawings.

I note however that you've requested 1.0m outreach arms whereas we've typically installed 0.6m outreaches in most places throughout the city.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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From: Deschamps, Chris [mailto:Chris.Deschamps@act.gov.au]
Sent: Tuesday, 4 February 2014 4:02 PM
To: Peter Evans
Cc: Tristan Yeats
Subject: FW: Quotation Please

Hi Peter,

Can you please confirm that this is the correct column for Northbourne Ave.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:53 PM
To: Deschamps, Chris
Subject: FW: Quotation Please

Sorry – I sent this before attaching the documents

Ian

From: Ian Hutchinson [<mailto:ian.hutchinson@goldspar.com.au>]
Sent: Tuesday, 4 February 2014 3:51 PM
To: 'Deschamps, Chris'
Subject: RE: Quotation Please

Dear Chris,

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I have also quoted for 1000mm outreach arms as requested but note on this pole we have provided 600mm arms.
Pricing is the same for either as they are cut from the same extrusion.

Kind regards

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
Syntrim Pty Ltd
Manufacturers of Multipole and Multipole Solar

2/81 Bassett Street
Mona Vale
NSW 2103
Australia
PH: +61 2 9997 1211
Fax: +61 2 9997 3533
Mobile: 0419 413 241
Email: ian.hutchinson@goldspar.com.au
Web sites:
www.lightpole.com
www.goldspar.com.au

From: Deschamps, Chris [mailto:Chris.Deschamps@act.gov.au]
Sent: Monday, 3 February 2014 2:12 PM
To: Ian Hutchinson
Subject: Quotation Please

Hi Ian,

I am after a quotation for the following project:

City – Northbourne Ave Armoured cable replacement.

19 x 4.5m aluminium columns (similar to the ones ordered by Peter Evans from GHD for City Projects)
19 x 1m O/R arms
19 sets of ragbolts suitable for the columns above
76 x brackets that use for hanging flower pots

All other associated materials, skirts, bolts etc. Delivery of all materials is to 255 Canberra Ave Fyshwick.

Also I am after a quote for two sets of ragbolts that have i have borrowed of Ecowise Services for Molonglo which they have lent me and I have to replace

If you would like further information, please do not hesitate to contact me.

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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Deschamps, Chris

(42)

From: Deschamps, Chris
Sent: Friday, 7 February 2014 11:55 AM
To: Ian Hutchinson
Subject: FW: Purchase Order
Attachments: 20140207113817479.pdf

Hi Ian,

Please find enclosed the PO for the columns for Northbourne Ave.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au



ACT
Government

Territory and Municipal Services

40

ABN: 37 307 569 373

Purchase Order

Send To
FYNTRIM PTY LTD 2/81 BASSETT STREET MONA VALE, NSW 2103

Deliver To
255 Canberra Avenue FYSHWICK ACT 2609

Invoice To
255 Canberra Avenue FYSHWICK ACT 2609

Order Number: Z702 0782

Please quote this number on all deliveries and invoices.
Please supply the undermentioned goods/services in accordance with the terms and conditions.

Supplier No: 64606	Buyer: M MITREVA	Creation Date: 05-FEB-2014
Contact:		
Phone: (02) 9997 1278	Quote No: Ian Hutchinson 04/02/14	Payment Terms: 7 Days

Notes: Contact Chris Deschamps 0414 463 550	Page: 1 of 1
--	---------------------

Item	Description	Qty	Unit	Unit Price	Unit Total (Ex GST)
1	Type B Multipole 201-4.5m, 1m	19	EACH		
2	Rag Bolt kit to suit type B pole (M24)	19	EACH		
3	Rag Bolt kit to suit 12m Pole (M30)	2	EACH		
4	Canberra 'style' plant pot brackets	76	EACH		
5	Freight - Semi Trailer load	1	EACH		

Ross SCHOFIELD (ACT PS)	Total Exclusive of GST:	\$52,455.00
Person Authorised to Sign	Total Inclusive of GST, where applicable:	\$57,700.50

Signature _____ Date _____

60

Deschamps, Chris

From: Ian Hutchinson [ian.hutchinson@goldspar.com.au]
Sent: Monday, 10 February 2014 12:14 PM
To: Deschamps, Chris
Subject: RE: Purchase Order

No problem - we will make them as a standard pole based on the drawings we already have for this pole.
Will chase the invoice - it is not holding things up from our end.

Cheers

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
Fyntrim Pty Ltd
Manufacturers of Multipole and Multipole Solar

2/81 Bassett Street
Lona Vale
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PH: +61 2 9997 1211
Fax: +61 2 9997 3533
Mobile: 0419 413 241
Email: ian.hutchinson@goldspar.com.au
Web sites:
www.lightpole.com
www.goldspar.com.au

-----Original Message-----

From: Deschamps, Chris [mailto:Chris.Deschamps@act.gov.au]
Sent: Monday, 10 February 2014 12:05 PM
To: Ian Hutchinson
Subject: RE: Purchase Order

Hi Ian,

I took a stab at 1000 but they are the 600 as previously ordered, have you got the invoice for the 50% please.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

-----Original Message-----

From: Ian Hutchinson [mailto:ian.hutchinson@goldspar.com.au]
Sent: Monday, 10 February 2014 12:04 PM

To: Deschamps, Chris
Subject: RE: Purchase Order

Hi Chris

I am just having my industrial designer draw up a data sheet for these poles as they have a different configuration to all the other poles of this height in Canberra. Other poles have a 600mm light arm rather than the 1000mm arm requested. Can I just reconfirm the arms will be 1000mm rather than 600mm then I can have the drawing prepared for sign off.

Regards

Ian Hutchinson
BSc (QS), MRICS, AAIQS, AAPI, AIMM
Director
Fyntrim Pty ltd
Manufacturers of Multipole and Multipole Solar

2/81 Bassett Street
Mona Vale
NSW 2103
Australia

PH: +61 2 9997 1211
Fax: +61 2 9997 3533
Mobile: 0419 413 241
Email: ian.hutchinson@goldspar.com.au
Web sites:
www.lightpole.com
www.goldspar.com.au

-----Original Message-----

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Friday, 7 February 2014 11:55 AM
To: Ian Hutchinson
Subject: FW: Purchase Order

Hi Ian,

Please find enclosed the PO for the columns for Northbourne Ave.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator TAMS

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Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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Deschamps, Chris

From: Deschamps, Chris
Sent: Thursday, 27 February 2014 7:52 AM
To: Peter Evans
Cc: Tristan Yeats; Mark Williams
Subject: FW: Street light plans - Northbourne Light
Attachments: Northbourne SL Markup.pdf

Hi peter,

Is this achievable including the bore across the intersection.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Rod Barrett [<mailto:Rod.Barrett@transact.com.au>]
Sent: Wednesday, 26 February 2014 3:36 PM
To: Deschamps, Chris
Subject: RE: Street light plans - Northbourne Light

Chris
Marked up for discussion

We can provide the conduit/ pits and resources to lay into the open trench

We will also need to bore between the median strips

Give me a call when ready

Cheers
RodB

Rod Barrett
Group Manager
Design and Construction
TransACT Communications
Ph. 02 6229 8047
Mob. 0428298001



TransACT
an ilinet company
www.transact.com.au

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Tuesday, 25 February 2014 5:10 PM
To: Rod Barrett
Subject: FW: Street light plans - Northbourne Light

Hi Rod,

Please find enclosed the tender drawings for the median for Northbourne Ave.

Could you please indicate on the plans where you would like to see the comms conduit and to which column(s), this can be incorporated into the footing design.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Van Vu [<mailto:Van.Vu@ghd.com>]
Sent: Tuesday, 25 February 2014 12:04 PM
To: Deschamps, Chris
Cc: Mark Williams
Subject: Street light plans - Northbourne Light

Hi Chris,

Mark asked me to send these plans to you for mark-up of additional conduits.

Regards,

Van Vu
Civil Engineer

GHD Accomplish More Together

T: 61 2 6113 3365 | F: 61 2 6113 3299 | V: 233365 | M: 61 4 0318 4979 | E: Van.Vu@ghd.com
Level 7, 16 Marcus Clarke Street, Canberra ACT 2601 | GPO Box 1877 Canberra ACT 2601 | www.ghd.com
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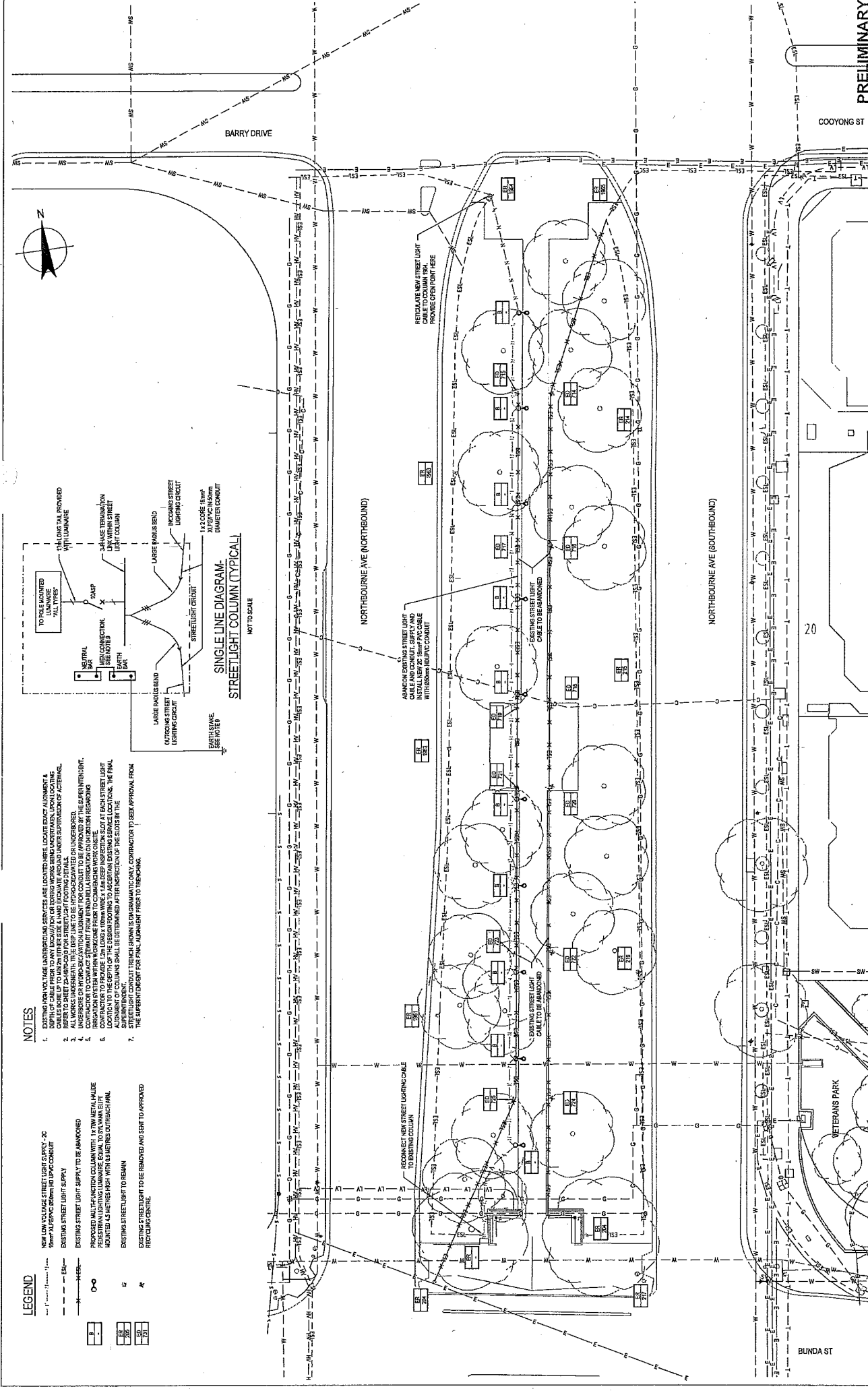
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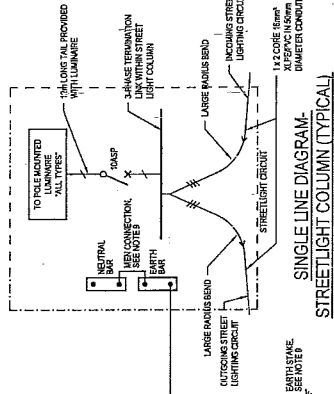
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LEGEND

- NEW LOW VOLTAGE STREET LIGHT SUPPLY - 20 Watts XLRPVC 60mm HD PVC CONDUIT
- EXISTING STREET LIGHT SUPPLY
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
- PROPOSED NEW STREET LIGHT SUPPLY 1.5m HIGH 1.5m WIDE 1.5m DEEP
- PEDESTRIAN LIGHTING LUMINAIRE, EQUAL LUMEN OUTPUT, MOUNTED 4.5 METRES HIGH WITH 1.5 METRES OUTREACH ARM.
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE

- NOTES**
- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR TRENCH WORKS BEING UNDERTAKEN. UPON LOCATING REFER TO SHEET 23-14970-C001 FOR STREET LIGHT FOOTING DETAILS. REFER TO SHEET 23-14970-C002 FOR STREET LIGHT TOWER DETAILS. REFER TO SHEET 23-14970-C003 FOR STREET LIGHT COLUMN DETAILS.
 - ALL WORKS UNDERGROUND SHALL BE TO BE UNDERTAKEN UNDER SUPERVISOR'S SUPERVISION.
 - CONTRACTOR TO CONTACT STREETS FROM BRUNNENBELLA TERRACE ON 04 281 534 REGARDING IRRIGATION SYSTEM WITH WORKS PRIOR TO COMMENCEMENT OF WORKS ON SITE.
 - LOCATION TO THE DEPTH OF THE DESIGN FOOTING TO ASSESS AND DESIGN SERVICE LOCATIONS. THE FINAL ALIGNMENT OF COLUMNS SHALL BE DETERMINED AFTER INSPECTION OF THE SLOES BY THE STREET LIGHT CONTRACTOR.
 - THE SUPERINTENDENT FOR FINAL ALIGNMENT PRIOR TO TRENCHING.



ISSUE FOR TENDER

A PRELIMINARY ISSUE

No: 1/17
Revision: 1/17
Date: 28 February 2014 - 2:51 PM
Signed by: N.A.V.

Scale: 1:1000

DATE: 12/10/13

SCALE 1:1000 AT ORIGINAL SIZE

DATE: 12/10/13

Client: TAMSD
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2

Design: AS ECHOV
Check: AS ECHOV
Scale: AS ECHOV

DO NOT SCALE

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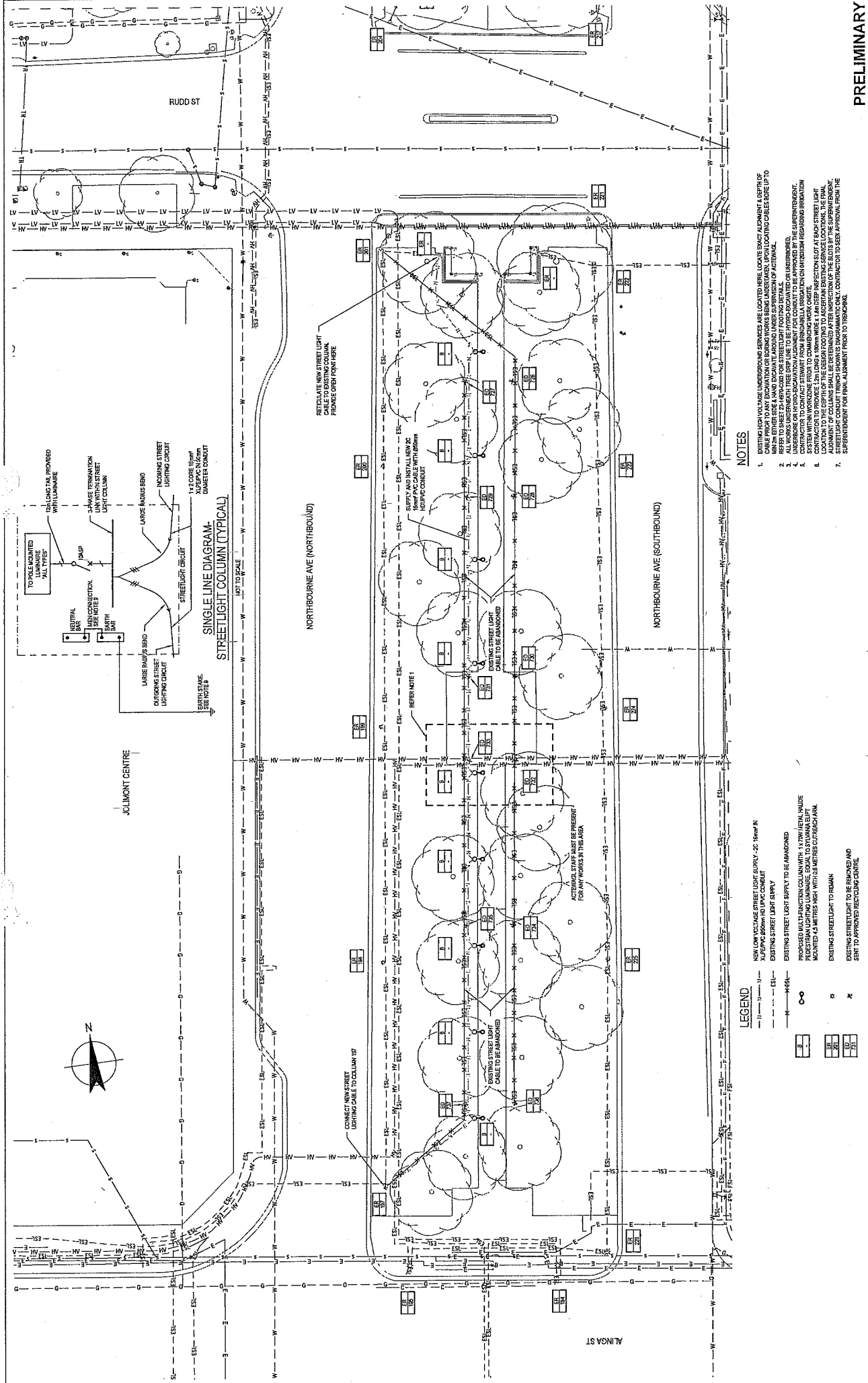
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Melbourne, VIC 3000
GPO Box 1872, Canberra ACT 2601
Phone: +61 8 9473 7000
Fax: +61 8 9473 7001
Email: info@ghd.com.au, www.ghd.com.au

PRELIMINARY

COOYONG ST

VETERANS PARK

BUNDA ST



DATE: 21 February 2014 1:00 PM

REVISED BY: N/A

B	ISSUE FOR TENDER	WV	TY	PE	21/02/14
A	PRELIMINARY ISSUE	SOK	TY	PE	02/10/13
NO	REVISION	NO	DATE	PROJECT	DATE

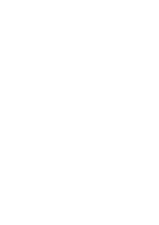
Client: TAMS
 Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
 Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
 Drawing No: 23-14970-C001
 Client No: A1
 Designer: N. MILLER
 Designer Check: []
 Project Check: []
 Approved (Client/Designer): P. VAN'S
 Approved (Client/Designer): 02/10/13
 Scale: AS SHOWN
 This Drawing must not be used for any other purpose without the prior approval of the Designer.

PRELIMINARY

TAMS
 NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
 PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
 Drawing No: 23-14970-C001

- NOTES**
- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORK.
 - REFER TO SHEET 23-14970-C000 FOR STREET LIGHT FOOTCANDLE DETAILS.
 - REFER TO SHEET 23-14970-C001 FOR STREET LIGHT FOOTCANDLE DETAILS.
 - UNDERGROUND OR PIPING EXCAVATION ALIGNMENT FOOTCANDLE TO BE APPROVED BY THE SUPERINTENDENT.
 - CONTRACTOR TO CONTACT STEWART FROM BIRNDALE ORIENTATION ON INQUIRY REGARDING IRRIGATION.
 - CONTRACTOR TO PROVIDE 1.2m LONG 1.00mm WIDE 1.0mm DEEP INSPECTION SLOT AT EACH STREET LIGHT LOCATION TO THE DEPTH OF THE DESIGN FOOTING TO ASCERTAIN EXISTING SERVICE LOCATIONS. THE FINAL LOCATION OF ALL SERVICES MUST BE RECORDED AND SHOWN ON THE FINAL STREET LIGHT TRENCH SKETCHES DIAGRAMS TO ONLY CONTRACTOR TO SEEK APPROVAL FROM THE SUPERINTENDENT FOR FINAL ALIGNMENT PRIOR TO TRENCHING.

- LEGEND**
- | | |
|-----|---|
| — | NEW LOW VOLTAGE STREET LIGHT SUPPLY - 20 AMP IN X-POLY BROWN HD UVC CONDUIT |
| --- | EXISTING STREET LIGHT SUPPLY |
| —X— | EXISTING STREET LIGHT SUPPLY TO BE ABANDONED |
| ○ | PROPOSED STREET LIGHT (1.2m LONG 1.00mm WIDE 1.0mm DEEP INSPECTION SLOT MOUNTED 4.5 METRES HIGH WITH 0.8 METRES CUTRECH AREA) |
| ○ | EXISTING STREET LIGHT TO REMAIN |
| ○ | EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE |



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Deschamps, Chris

From: Deschamps, Chris
Sent: Wednesday, 5 March 2014 5:03 PM
To: Rod Barrett
Cc: 'Peter Evans'; 'Mark Williams'; 'Van Vu'; Stuart Adam
Subject: RE: Street light plans - Northbourne Light

Hi Rod,

Answers below.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Rod Barrett [mailto:Rod.Barrett@transact.com.au]
Sent: Wednesday, 5 March 2014 4:12 PM
To: Deschamps, Chris
Cc: 'Peter Evans'; 'Mark Williams'; 'Van Vu'; Stuart Adam
Subject: RE: Street light plans - Northbourne Light

Thank you for the opportunity to review the attached plans

Chris
Some comments below and some questions arise that I hope you can answer for us

The alignment is OK.

TransACT will need enough depth of cover on the bore pipe end to convert to stick pipe and enter the pits. I would assume the minimum bore depth would be 600mm, is this sufficient as this is the nominal depth of street light conduit

The in ground rag bolt assemble detail should read RC20 conduit with long radius bends. (20mm ID is not the standard specification) Noted, GHD please amend

How does the conduit get from beside the rag bolts buried in cement to inside the Multi Pole? The conduit will be installed from the pit to the nominated street light and the conduit will be cast into the footing , Rod, are you happy for the contractor to do this???

Depending on the style of 3 Phase Termination link, how do we get our cable past the 3 phase termination link within the SL column? The cable nominated is single phase, not 3 phase. The column could have a conduit extension past the electrical connections if required, please advise.

Regards
Rod Barrett
Group Manager

Design and Construction
TransACT Communications
Ph. 02 6229 8047
Mob. 0428298001



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an hnet company

www.transact.com.au

From: Van Vu [<mailto:Van.Vu@ghd.com>]
Sent: Wednesday, 5 March 2014 11:49 AM
To: Chris Deschamps
Cc: Peter Evans; Mark Williams; Rod-Barrett
Subject: RE: Street light plans - Northbourne Light

Dear Chris,

Attached are revised drawings and pre-tender estimate which include communication conduits and pits for your final review.

GHD recommends the following contractors to be invited to tender:

- Ecowise
- Acclaim Contractors
- Simeonov (Mick Griffin)
- Others

Please let me know if you have any comments.

Regards,
Van

From: Mark Williams
Sent: Thursday, 27 February 2014 3:37 PM
To: Van Vu
Subject: FW: Street light plans - Northbourne Light

Hi Van

From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Thursday, 27 February 2014 7:52 AM
To: Peter Evans
Cc: Tristan Yeats; Mark Williams
Subject: FW: Street light plans - Northbourne Light

Hi peter,

Is this achievable including the bore across the intersection.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Rod Barrett [<mailto:Rod.Barrett@transact.com.au>]
Sent: Wednesday, 26 February 2014 3:36 PM
To: Deschamps, Chris
Subject: RE: Street light plans - Northbourne Light

Chris
Marked up for discussion

We can provide the conduit/ pits and resources to lay into the open trench

We will also need to bore between the median strips

Give me a call when ready

Cheers
RodB

Rod Barrett
Group Manager
Design and Construction
TransACT Communications
Ph. 02 6229 8047
Mob. 0428298001



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From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Tuesday, 25 February 2014 5:10 PM
To: Rod Barrett
Subject: FW: Street light plans - Northbourne Light

Hi Rod,

Please find enclosed the tender drawings for the median for Northbourne Ave.

Could you please indicate on the plans where you would like to see the comms conduit and to which column(s), this can be incorporated into the footing design.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Van Vu [<mailto:Van.Vu@ghd.com>]
Sent: Tuesday, 25 February 2014 12:04 PM
To: Deschamps, Chris
Cc: Mark Williams
Subject: Street light plans - Northbourne Light

Hi Chris,

Mark asked me to send these plans to you for mark-up of additional conduits.

Regards,

Van Vu
Civil Engineer

GHD Accomplish More Together

T: 61 2 6113 3365 | F: 61 2 6113 3299 | V: 233365 | M: 61 4 0318 4979 | E: Van.Vu@ghd.com
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36

Deschamps, Chris

From: Van Vu [Van.Vu@ghd.com]
Sent: Friday, 7 March 2014 9:22 AM
To: Deschamps, Chris
Cc: Mark Williams
Subject: RE: Street light plans - Northbourne Light

Hi Chris,

I am chasing up with Tristan/Pete in regards to the tender process mentioned in your previous email and will follow up with you.

Regards,

Van Vu
Civil Engineer

GHD Accomplish More Together

T: 61 2 6113 3365 | F: 61 2 6113 3299 | V: 233365 | M: -61 4 0318 4979 | E: Van.Vu@ghd.com
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From: Deschamps, Chris [mailto:Chris.Deschamps@act.gov.au]
Sent: Wednesday, 5 March 2014 5:12 PM
To: Van Vu
Cc: Peter Evans; Mark Williams; Rod.Barrett@transact.com.au
Subject: RE: Street light plans - Northbourne Light

Hi van,

As this will be a short form tender, 3 contractors nominated below is acceptable but the only thing is they need to be prequalified and this will probably need to go-through SSP??????????.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Van Vu [mailto:Van.Vu@ghd.com]
Sent: Wednesday, 5 March 2014 11:49 AM
To: Deschamps, Chris
Cc: Peter Evans; Mark Williams; Rod.Barrett@transact.com.au
Subject: RE: Street light plans - Northbourne Light

Dear Chris,

Attached are revised drawings and pre-tender estimate which include communication conduits and pits for your final review.

GHD recommends the following contractors to be invited to tender:

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- Acclaim Contractors
- Simeonov (Mick Griffin)
- Others

Please let me know if you have any comments.

Regards,
Van

From: Mark Williams
Sent: Thursday, 27 February 2014 3:37 PM
To: Van Vu
Subject: FW: Street light plans - Northbourne Light

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From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Thursday, 27 February 2014 7:52 AM
To: Peter Evans
Cc: Tristan Yeats; Mark Williams
Subject: FW: Street light plans - Northbourne Light

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Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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RodB

Rod Barrett
Group Manager
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Ph. 02 6229 8047
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From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]

Sent: Tuesday, 25 February 2014 5:10 PM

To: Rod Barrett

Subject: FW: Street light plans - Northbourne Light

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Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Van Vu [<mailto:Van.Vu@ghd.com>]

Sent: Tuesday, 25 February 2014 12:04 PM

To: Deschamps, Chris

Cc: Mark Williams

Subject: Street light plans - Northbourne Light

Hi Chris,

Mark asked me to send these plans to you for mark-up of additional conduits.

Regards,

Van Vu
Civil Engineer

accomplish More Together

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35

Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Monday, 31 March 2014 2:32 PM
To: Deschamps, Chris
Cc: Peter Evans
Subject: RE: Northbourne Avenue Pedestrian Lighting

Chris,

Is the template you're referring to the "RFT Construction Lump Sum AS2124-1992...." template that is available on the SSP website?

I note that the draft RFT document that was prepared previously by Mark and Van was using the Short Form RFT template however this doesn't provide any reference to AS2124 hence I assume that this won't be suitable.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]
Sent: Monday, 31 March 2014 2:19 PM
To: Tristan Yeats
Cc: Peter Evans
Subject: RE: Northbourne Avenue Pedestrian Lighting

Hi Tristan,

Please proceed to a select tender using 3 contractors. Please note this does not have to go through PS (I will advise them that this process is occurring) but the tender docs will need to be to AS2124.

If you need a copy of the template, please advise.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Monday, 31 March 2014 11:52 AM
To: Deschamps, Chris
Cc: Peter Evans
Subject: Northbourne Avenue Pedestrian Lighting

Chris,

Further to our recent discussion regarding the Northbourne Avenue pedestrian lighting project. I've reviewed the pre-tender estimate previously provided and have adjusted the Lump Sum allowance for Pay Item 3.2 for the communications underbore under the Northbourne Avenue / Rudd Street intersection.

This had been estimated at \$25,000 for a length of approximately 50m, equating to a per metre rate of \$500/m. Based on prices received on recent tenders I believe a rate of \$300/m would be more appropriate resulting in a lump sum cost of \$15,000 ex. GST.

On this basis I've updated the pre-tender estimate to arrive at a total contract value of **\$195,875.22 including GST**. Separate to this, are you able to advise on a planned call tender date. Similarly are the selected tenderers previously recommended by Mark Williams agreed? (Ecowise, Acclaim Contractors, Simeonov)

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
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Deschamps, Chris

34

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Tuesday, 22 April 2014 9:30 AM
To: Deschamps, Chris
Cc: Peter Evans
Subject: RE: Short form tender - Armoured Cabling works Northbourne Ave City
Attachments: ShortFormConstruction Tender - Northbourne Ave_FINAL VERSION.docx;
ShortFormConstruction Tender - Northbourne Ave_FINAL VERSION.pdf

Chris,

Thanks for your response below. I've attached the final RFT version that I will issue today. I note that I accidentally attached an older version of the RFT to my email last week that didn't have all the tender specific details included in it (i.e. "timing of the tender lodgement and the works" and "Location of work and particulars of work") however I've merged your comments into the proper version including these details.

I'm heading out of the office now for a couple of hours but will package up all the documents and issue to the nominated tenderers when I return around lunchtime.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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From: Deschamps, Chris [mailto:Chris.Deschamps@act.gov.au]
Sent: Tuesday, 22 April 2014 7:42 AM
To: Tristan Yeats
Cc: Peter Evans
Subject: FW: Short form tender - Armoured Cabling works Northbourne Ave City

Hi Tristan,

I have made minor amendments in track changes. Agree that it will have to be R2 and I will be the Principals rep.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [mailto:Tristan.Yeats@ghd.com]
Sent: Thursday, 17 April 2014 3:45 PM
To: Deschamps, Chris

Cc: Peter Evans

Subject: RE: Short form tender - Armoured Cabling works Northbourne Ave City

Chris,

I've attached a draft set of tender documents including the short form RFT, drawings, specifications and BOQ for final review/approval.

There are a few details in the RFT that will require confirmation from yourself and/or SSP, specifically:

- RFT Conditions – Clause 1.2 "Pre-qualification" – Confirm that this will be R2
- Principal's Representative – You will be listed as Principal's Rep for the purposes of the tender.

Regarding issue of the tender documents, we can issue these next Tuesday 22 April 2014 which would then allow a closing date of Thursday 8 May 2014.

I'll await your comments on Tuesday prior to actioning this any further.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: +61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au

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From: Deschamps, Chris [<mailto:Chris.Deschamps@act.gov.au>]

Sent: Thursday, 17 April 2014 12:27 PM

To: Tristan Yeats

Cc: Peter Evans

Subject: FW: Short form tender - Armoured Cabling works Northbourne Ave City

Hi Tristan,

Tender number for the works on Northbourne Ave, can you please advise when it will be advertised.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tharan, Sri

Sent: Thursday, 17 April 2014 11:33 AM

To: Deschamps, Chris

Cc: Smith, Darren

Subject: RE: Short form tender - Armoured Cabling works Northbourne Ave City

Chris,

Please use the RFT Number : 22727.400

Project Title: Armoured Cabling works Northbourne Ave City
Please let me know what I should do to get this moving or any other help.
Kind Regards sri

From: Smith, Darren
Sent: Thursday, 17 April 2014 11:14 AM
To: Tharan, Sri
Cc: Deschamps, Chris
Subject: RE: Short form tender - Armoured Cabling works Northbourne Ave City

Hi Sri,

As discussed, please coordinate with Chris and provide a tender no. for his project to allow him to progress and continue on with the proposed works on Northbourne Ave in the City (extension of existing number).

Also please offer to review the proposal from GHD for superintendence as this requirement is not a defined role within a short form tender. GHD may be able to be the principal's representative (recommended) for these works, which would be a lower fee than a full superintendence role.

I am happy to provide further advice as required.

Kind Regards

Darren Smith | A/g Senior Manager | Civil Infrastructure Branch
Phone 02 6207 7431 | Fax 02 6207 5468 | Mobile 0417 694 731
Shared Services Procurement | Commerce and Works | **ACT Government**
Level 3 Macarthur House, 12 Wattle Street Lyneham ACT 2602 | PO Box 818 Dickson ACT 2602 | www.act.gov.au

From: Deschamps, Chris
Sent: Wednesday, 16 April 2014 4:06 PM
To: Smith, Darren
Subject: Short form tender - Armoured Cabling works Northbourne Ave City

Hi Darren,

I have engaged GHD to undertake a design and superintendence to replace faulty cable and street lights on Northbourne Ave in the City. Based on the estimate, which is under \$200K inc GST I have instructed them to produce a short form tender to get quotes off 3 suppliers. This project is to be constructed this FY.

As you are aware, to do the short form tender, it requires a tender number.

To obtain the tender number and assuming this will attract a SSP project officer, could you please advise how this request is to be made to you i.e. FB, email etc. This project (using the same oracle number 39927 for armoured cabling) is similar to one currently being managed by Sri Thasan.

Thanks for your assistance.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

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his e-mail has been scanned for viruses

Deschamps, Chris

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From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Monday, 14 July 2014 4:51 PM
To: Tharan, Sri
Cc: Deschamps, Chris
Subject: RFT22727.400 Armoured Cabling RFT Document
Attachments: Northbourne Ave Ped Lighting_BOQ V1.0.pdf; T22727.400 Armoured Cabling Works Northbourne Ave City.pdf; T22727.400 Armoured Cabling Works Northbourne Ave City_Addendum No 1.pdf; T22727.400 Armoured Cabling Works Northbourne Ave City_DRAWINGS.pdf

Sri,

Please find attached the RFT documents that were issued for the Armoured Cabling works tender.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0		\$ -
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0		\$ -
1.3	Services clearances	Lump Sum	1.0		\$ -
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0		\$ -
	Total Preliminaries				\$ -
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0		\$ -
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, ragbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0		\$ -
2.4	Excavate by hydro excavation slots for all poles (1.2 lineal metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0		\$ -
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0		\$ -
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0		\$ -
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0		\$ -
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0		\$ -
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0		\$ -
	Total Street Lighting				\$ -
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0		\$ -
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0		\$ -
3.3	Install new communication pit type P5 at AP location	No.	4.0		\$ -
3.4	Install new communication pit type P6	No.	5.0		\$ -
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$- 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ -
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ -
	GST			10%	\$ -
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ -



ACT
Government

Commerce and Works

TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel:(02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street
LYNEHAM ACT 2602

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SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02 6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK ('the Works')	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No	
Services Description:	
Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include: <ul style="list-style-type: none"> • Mobilisation and site establishment. • Temporary traffic management for the works including submission and approval of plans. • Services clearances and locations. • Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. • The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. • The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. • Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. • Excavation/trenching and installation of electrical conduits with draw wire for new street lights. • Restoration of all disturbed area to match existing conditions. 	

<ul style="list-style-type: none"> • Inspection and transport of Principal supplied lighting equipment including rag bolts. • Excavation and construction of street light column footings including supply of reinforcement cages. • Assembly and erection of light poles including all fittings and rag bolts. • Reticulation of electrical cabling. • Connection and commissioning of lighting poles in conjunction with ACTEW. • Preparation of WAE drawings to TAMS and ACTEW requirements. • The works are to be staged and constructed to allow the following: <ul style="list-style-type: none"> - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public. - Stage Two is to commence immediately after Stage One is completed and has reached practical completion. • Liquidated Damages: \$2,500.00 per week. 	
TOTAL PRICE (GST Inclusive) (in words)	\$

WORK HEALTH AND SAFETY MATTERS	
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).	No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?	Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)	Yes
PRINCIPAL'S DETAILS	
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601
Telephone	02 6207 6222 or 0414 463 550
Facsimile	02 6207 6587
Email Address	<u>Chris.deschamps@act.gov.au</u>
Principal's Representative	Chris Deschamps – Street Light and Asset Acceptance Coordinator

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
Tenderer's Name (including ABN or ACN if a company)	
	ACN/ABN
Address for the service of notices	
Telephone	
Facsimile	
Email Address	
I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.	Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company Date

ACCEPTANCE OF TENDER	
Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.	Signature Date

PART 1. REQUEST FOR TENDER ("RFT") CONDITIONS

1.1. DEFINITIONS

In this document:

- a) **"Conditions of Contract"** means the conditions of contract set out in Part 2, Part 4, Part 5A and 5B of the Tender Documents and the Specifications.
 - b) **"Ethical Suppliers Declaration - Tender"** or **"Ethical Suppliers Declaration"** means a declaration in the same form as that at Part 3 (or such other form as approved by the Principal from time to time and advised to You), which forms part of the Tender Documents.
 - c) **"IRE Certificate"** has the same meaning as in the IRE Strategy.
 - d) **"IRE Strategy"** means the Territory's *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects* as amended from time to time and any substituted policy or strategy of the Territory.
 - e) **"Principal"** means the Territory or Territory authority named in the Schedule;
 - f) **"Principal's Representative"** means the Territory officer or representative named in the Schedule;
 - g) **"Schedule"** or **"Contract Schedule"** means the information set out under the heading "Contract Schedule".
 - h) **"Specifications"** means the specifications, including any plans or drawings, for the Works attached to these Tender Documents;
 - i) **"Tender"** means your tender for the carrying out of the Works including the Schedule and Ethical Suppliers Declaration – Tender as completed by you;
 - j) **"Tender Documents"** means the Schedule, these RFT Conditions (Part 1), the proposed Conditions of Contract, the Ethical Suppliers Declaration and any Specifications;
 - k) **"Territory"** means
 - i) when used in a geographical sense, the Australian Capital Territory; and
 - ii) when used in any other sense, the body politic established by section 7 of the *Australian Capital Territory (Self-Government) Act 1988* (Cwlth).;
 - l) **"WHS Active Certification Policy"** means the Territory's WHS Active Certification Policy as amended from time to time and any substituted policy of the Territory;
 - l) **"Works"** means the works specified in the Schedule; and
 - m) **"you and your"** refers to the tenderer named in the Schedule.
- 1.2. Your Tender will be nonconforming if you do not have current **pre-qualification** for category R2 or higher in accordance with the Principal's pre-qualification procedures on or before the date and time for closing of tenders or if your pre-qualification lapses during the tender evaluation period. You are required to submit a copy of the pre-qualification certificate with your Tender.
- 1.3. By submitting your Tender **you acknowledge that you have read the proposed Conditions of Contract**. If the Principal accepts your Tender a legally binding contract will come into effect comprising the Conditions of Contract. Pay particular attention to the clauses dealing with insurance.
- 1.4. You must keep confidential all Tender Documents clearly identified as confidential and you must not copy the Tender Documents except for tendering purposes. Any **material submitted** as part of your Tender will remain or become the property of the Principal.
- 1.5. You must **submit your Tender** by using the Schedule and you must include a completed copy of the Ethical Suppliers Declaration - Tender. Your Tender must be placed in an envelope endorsed with the Tender Number and a clear description of the Works for which you are tendering and a copy of your current IRE Certificate.
- 1.6. **Tenders will not be considered** if they are lodged in the tender box after the date and time specified in the Schedule, except in accordance with the National Code of Tendering AS4120.

- 1.7. **Your Tender must address** the requirements set out in the Schedule; the Specifications for the Works; the proposed Conditions of Contract; and any other condition or requirement that forms part of this Tender Document.
- 1.8. **You must satisfy yourself that:**
- a) information in and the requirements of this Tender Document are correct and sufficient for you to properly prepare and submit your Tender, including the tendered price; and
 - b) your tendered price includes all the costs of complying with all obligations under the proposed Conditions of Contract.
- 1.9. **All fees and prices** quoted in your Tender must be **inclusive of GST** and you must identify the value of any GST-free input. Your Tender must **remain open for at least 90 days** from the closing date specified on the Schedule. You are responsible for all **costs, losses and expenses** incurred by you in preparing your Tender.
- 1.10. You must hold and maintain all appropriate **licences, permits, approvals and certificates** to carry out the provision of the Works, you must produce evidence of those licences, permits, approvals and certificates as requested by the Principal.
- 1.11. You must, if required by the Principal, provide **additional information** to allow full consideration of your Tender. The Principal reserves the right to negotiate variations to the Conditions of Contract and/or Specifications with the preferred tenderer after tenders have been lodged.
- 1.12. **Tenders will be assessed** on the basis of best value for money and not necessarily the lowest priced tender. The Principal is not obliged to select any tender and may accept part of your Tender. In assessing your Tender the Principal may consider information from any Commonwealth, State or Territory agency, any referee or other reputable source in addition to all information supplied by you in support of your Tender. The Principal may, if your Tender is non-conforming, reject your Tender; ignore the non-conformance or allow you to correct the non-conformance.
- 1.13. In determining the **'value for money'** of your Tender the Principal may consider the following: your ability to undertake the Works; your past performance; your tendered price, your Work Health and Safety record and any other matters set out in the *Government Procurement Act 2001* (ACT) and any associated ACT Government policies.
- 1.14. The Principal is committed to ensuring that suppliers and their subcontractors meet all of their **employer and industrial obligations**, in the performance of any contract for works or services that will require the exertion of labour by employees. The Ethical Suppliers Declaration must be completed and returned with your Tender. The Principal must have regard to probity and ethical behaviour in pursuing value for money in accordance with the *Government Procurement Act 2001* (ACT).
- 1.15. Your Tender may not be considered further if you fail to provide a completed Ethical Suppliers Declaration. The Principal may choose not to consider your Tender further if you fail to provide a copy of your current IRE Certificate. In having regard to matters of probity and your ethical behaviour the Principal may provide your Ethical Suppliers Declaration to regulatory bodies and/or non government organisation (including Unions ACT) for comment, and have regard to the comments provided.
- 1.16. If your Tender is:
- a) at variance with or does not respond to or does not fully comply with any requirement of this RFT; or
 - b) incomplete, contains erasures or is illegible,
- it may be deemed nonconforming.
- 1.17. The Principal may at its absolute discretion, in respect of your Tender if it is nonconforming or if it has been deemed nonconforming by the Principal:

- a) reject and not further consider the Tender;
 - b) ignore any non-conformance in the Tender; or
 - c) if it is possible to correct the non-conformance without affecting the probity of the tender process, permit you to do so.
- 1.18 The Principal will not enter into a contract with you if you are named by the Workplace Gender Equality Agency as an employer currently not complying with the *Workplace Gender Equality Act 2012* (Cth).
- 1.19 **Your Tender will only be accepted** if an officer of the Principal supplies you by facsimile, post email or hand with a notice in writing indicating acceptance of your Tender or provides you with a photocopy of your Schedule bearing the original signature of an officer of the Principal. No legal obligations will arise between the parties in respect of the Works unless your Tender is accepted in this manner.
- 1.20 You acknowledge the Principal may be required to **disclose information**, under the *Freedom of Information Act 1989* (ACT), the *Auditor-General Act 1996* (ACT), the *Government Procurement Act 2001* (ACT) (**Procurement Act**), under other laws applicable in the Australian Capital Territory or by the responsible Minister in the Legislative Assembly.
- 1.21 In giving effect to the principles of open and accountable government, the Principal may disclose documents and information unless it has otherwise agreed, or is otherwise required under law, to keep the information confidential. In accordance with those principles, this Contract may be a notifiable contract under the Procurement Act and, if so, the Territory will be required to make the text of this Contract available to the public, including by publication on a public contracts register.
- 1.22 Your attention is drawn to Division 3 of the Procurement Act. You may request, as part of your tender response, that certain information contained in your Tender or the Conditions of Contract be treated as confidential text for the purpose of the Procurement Act. If you wish to make such a request you should identify the text you seek to be identified as confidential and the relevant ground or grounds you propose the Principal may rely upon as set out in section 35 of the Procurement Act. If the Principal agrees to the identification of any of the proposed text as confidential text for the purpose of the Procurement Act clause 1.23 will apply.
- 1.23 Except as provided in the Contract, the Principal must not disclose any agreed confidential text to any person without your prior written consent (which consent will not be unreasonably withheld) except to the extent that confidential text:
- a) is required or authorised to be disclosed under law;
 - b) is reasonably necessary for the enforcement of the criminal law;
 - c) is disclosed to the Principal's solicitors, auditors, insurers or advisers;
 - d) is generally available to the public;
 - e) is in the possession of the Principal without restriction in relation to disclosure before the date of receipt from you;
 - f) is disclosed by the responsible Minister in reporting to the Legislative Assembly or its committees; or
 - g) is disclosed to the ombudsman or for a purpose in relation to the protection of public revenue.

PART 2. CONDITIONS OF CONTRACT

If your Tender is accepted, the following conditions (and those in Parts 4, 5A and 5B) together with the Schedule and any Specifications and the requirements of all addenda issued will constitute the contract between you and the Principal.

2.1. In these Conditions of Contract:

“**Contract**” means and comprises the Schedule (as completed by you and signed by the Territory’s delegate), the conditions of contract set out in Parts 2, 4, 5A and 5B and any Specifications;

“**Contract Price**” means the total price specified in the Schedule;

“**Defects Liability Period**” means the period from the acceptance of the Works by the Principal as being satisfactorily completed until the end of the defects liability period specified in the Schedule;

“**Ethical Suppliers Declaration - Contract**” means a declaration in the same form as that set out in Part 4 and entitled “Ethical Suppliers Declaration –Contract” (or such other form as approved by the Principal from time to time and advised to You).

“**IRE Certificate**” has the same meaning as in the IRE Strategy.

“**IRE Strategy**” means the Territory’s *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects* as amended from time to time and any substituted policy or strategy of the Territory.

“

“**WHS Legislation**” means:

- a) the *Work Health and Safety Act 2011 (ACT)*;
- b) the *Work Health and Safety Regulation 2011 (ACT)*;
- c) all instruments issued under the *Work Health and Safety Act 2011* or the *Work Health and Safety Regulation 2011*;
- d) all laws that replace the above laws; and
- e) all other laws applicable in the Australian Capital Territory dealing with work health and safety matters.

references to “you” includes your employees, agents or subcontractors;

words importing a gender include the others; words in the singular number include the plural and vice versa; and references to legislation or to provisions in legislation include references to amendments or re-enactments of them and to all regulations and instruments issued under the legislation; and

an obligation imposed by the Contract on more than one person binds them jointly and severally.

- 2.2. You must commence and complete the **Works** in accordance with the Specifications and the timeframes set out in the Schedule.
- 2.3. You must observe and comply with all **Acts, ordinances, regulations**, and other requirements of any law in force in the place where the Works are to be executed. You bear the whole risk of complying with all applicable legislation and law until the Works have been completed to the satisfaction of the Principal.
- 2.4. All **materials and workmanship** must be in accordance with the Specifications or if not fully described in the Specifications, in accordance with the recognised industry or trade standards. If

- the Principal is of the opinion that any materials or part of the Works, are unsatisfactory or are defective during the Defects Liability Period, the Principal may direct you to remove, and/or correct those works or materials at your expense.
- 2.5. The Principal will only **pay** you the **Contract Price** by Electronic Funds Transfer (EFT) following its receipt of a correctly rendered tax invoice approved by the Principal.
- 2.6. **A tax invoice** is correctly rendered if it includes:
- the Principal 's reference number and the contract number;
 - the amount due to you and the basis for the calculation of that amount;
 - the amount of any GST paid or payable by you in respect of the Works;
 - the date of delivery and a description of the Works to which the invoice relates;
 - if a discount is applicable, the discounted price; and
 - your address for payment.
- 2.7. **During the Defects Liability Period** you must **make good at your expense** all defective work or materials, all damage to or destruction of the Works and all other loss caused by faulty work or materials.
- 2.8. Provided the Works are carried out in accordance with the Contract, the Principal will pay you **progress payments** representing 97.5% of the Contract Price for satisfactory work done at or before the commencement of the Defects Liability Period. The remaining 2.5% of the Contract Price will be paid to you when:
- the Defects Liability Period has ended; and
 - you have rectified any defects in the Works that have been identified before the end of the Defects Liability Period and all of your obligations in relation to the making good of defects have been fulfilled.
- Any payment by the Principal under this clause will not prejudice any other legal right the Principal may have against you for breach of the Contract.
- 2.9. The Principal may **vary the Works** specified or require the substitution of alternative materials for the Works. The Principal will adjust the Contract Price as a result of any variation. The amount of the variation of the Contract Price will be as agreed by the parties. If the parties do not agree on the amount of the variation, the Principal will determine the reasonable cost of the variation to the Works.
- 2.10. You will carry out the Works during the **customary working hours** Monday to Friday. All proposed work outside those hours must be approved in advance by the Principal.
- 2.11. The Principal may **terminate the Contract** at any time by written notice if you:
- fail to commence the Works within the time specified in the Schedule, or within 14 days of the date the Principal notified acceptance of your Tender;
 - fail to carry on the Works at a rate of progress satisfactory to the Principal;
 - fail to carry out any instruction of the Principal in respect of the Works;
 - fail to complete the whole of the Works within the time specified in the Schedule or such extended time as the Principal may approve;
 - are or become bankrupt or insolvent, enter into voluntary administration or make any arrangement with your creditors or take advantage of any statute for the relief of insolvent debtors; or
 - fail to remedy a breach of a term of the Contract within the period specified in a written notice by the Principal;
 - fail to provided an Ethical Suppliers Declaration – Contract in accordance with Part 4;
 - make a false declaration in an Ethical Suppliers Declaration - Contract supplied in accordance with Part 4; or
 - become the subject of an Adverse Ruling (see Part 4).
- 2.12. If the **Principal terminates the Contract** under the clause above, it may by written notice:

- a) take over the Works; and
- b) take possession and ownership of all materials on or about the Works site which are your property and have been provided by you for the purpose of carrying out the Works,

then **all losses, costs, charges and expenses incurred** or sustained by the Principal in completing the Works will be recoverable from you and, without limiting any other right the Principal may have, may be offset against any amount subsequently due to you from the Principal. Nothing in this clause prejudices any other right or remedy of the Principal in respect of your breach of the Contract.

- 2.13. You must comply with all reasonable **directions** given by the Principal in relation to the Works. The Principal may nominate a third party to give directions in relation to the Works. The Principal will notify you of that person.
- 2.14. You must ensure that **all persons employed** in carrying out the Works, whether they are your employees or a subcontractor's, are paid at the rates and employed under conditions of employment not less favourable than those required by any law or certified agreement applicable to you or your subcontractor and those employees are paid their correct superannuation entitlements.
- 2.15. RESERVED.
- 2.16. RESERVED.
- 2.17. RESERVED.
- 2.18. You must take out and keep current **workers compensation insurance** for any person employed in respect of the Contract and you must produce evidence of the currency of any such policy-if requested by the Principal.
- 2.19 The Principal has arranged policies ("Policies") for insurance of the Works and for \$20 million Public Liability insurance through Marsh Pty Ltd. The insurer is CGU Insurance Ltd and the details of the Policies are as follows:
 - (a) Works insurance – policy number 01D1170889; and
 - (b) Public Liability insurance – policy number 10M6117587.

The Principal will maintain the Policies while the Contractor has an interest in them, and the Principal will pay all the premiums. A copy of the policy may be obtained from Shared Services Procurement at Level 3 Annexe, 12 Wattle Street Lyneham, ACT. The Principal will maintain the Policy until you have completed your obligations under the Contract and the Principal will pay all the premiums. The policy insures the ACT Government, you and other relevant parties, including all contractors, subcontractors, construction managers and project managers. You will be liable for the excesses detailed in the policy.

- 2.19. You must, as soon as practicable, inform Marsh Pty Ltd in writing at either address given below of **any occurrence that may give rise to a claim** under the policy; Level 5, 60 Marcus Clarke Street Canberra ACT 2601 or GPO Box 306 Canberra ACT 2601 Telephone (02) 6279 3300, Facsimile (02) 6279 3320. You must ensure that subcontractors engaged in carrying out the Works similarly inform Marsh Pty Ltd.
- 2.20. You must ascertain whether you require any **additional insurance** in relation to the Contract. The existence of the policy does not relieve you of any obligation under the Contract or limit your liability to any third parties.
- 2.21. If requested by the Principal you must prepare and provide to the Principal an **Environmental Management Plan** ("EMP") before commencing the Works. The EMP must be to the reasonable satisfaction of the Principal. The Principal may require you to amend the EMP.
- 2.22. The **Works site** may be **occupied by other parties**. The Principal or other contractors may restrict your access to the Works site due to their occupation of the Works site.

You must:

- a) liaise with the Principal's Representative having primary control of any Works site or location to gain site access to carry out the Works; and
- b) take into account the occupants of the Works site and liaise with them in relation to site safety and the protection/exclusion of site occupants.

2.23. RESERVED

2.24. You must:

- a) comply with the WHS Legislation as well as all safety plans endorsed by the Principal for the Works;
- b) ensure that members of the general public at or near the Works site are not exposed to risk to their health or safety arising from your carrying out of the Works;
- c) comply with your obligation under the WHS Legislation to consult, cooperate and coordinate activities with all persons who have a work health and safety duty in relation to the same matter;
- d) institute and maintain systems to obtain regular written assurances from all subcontractors and other entities engaged to perform on the Works site about their ongoing compliance with the WHS Legislation including the due diligence obligation contained in the WHS Legislation;
- e) provide the written assurances obtained under paragraph d) of this clause together with written assurances from you about your ongoing compliance with WHS Legislation to the Principal;
- f) provide the Principal with a written report on all work health and safety matters, or any other relevant matters including a summary of your compliance with WHS Legislation, at least once per month, and at other times as requested;
- g) exercise a duty of utmost good faith to the Principal in carrying out the Works to enable the Principal to discharge the Principal's duties under the WHS Legislation;
- h) ensure that if any law requires that a person:
 - i) be authorised or licensed (in accordance with WHS Legislation) to carry out any work at a workplace, the person is so authorised or licensed—and complies with any conditions of such authorisation or licence; or
 - ii) has prescribed qualifications or experience, or if not, is supervised by a person who has prescribed qualifications or experience (as defined in the WHS Legislation), that person has the required qualifications or experience or is so supervised;
- i) ensure that if any law requires that a workplace, plant or substance, or work (or class of work) be authorised or licensed, that workplace, plant or substance, design or work is so authorised or licensed;
- j) not direct or allow a person to carry out work, or use plant or a substance at a workplace unless the authorisation, licensing, prescribed qualifications or experience required by any law and paragraphs h) and i) of this clause are met;
- k) if requested by the Principal or required by WHS Legislation, produce evidence of any approvals including any authorisations, licences, prescribed qualifications or experience, or any other information relevant to work health and safety (as the case may be) to the satisfaction of the Principal before you or any subcontractors commence such work;
- l) systematically manage your work health and management processes in accordance with the systems, plans, standards and codes specified in the Contract and the WHS Legislation;
- m) demonstrate to the Principal, whenever requested, that you have met and are meeting at all times, your obligations under this Contract with regard to work , health and safety matters but such demonstration does not relieve you of your obligation to perform work safely;

- n) take all reasonable actions and comply with all reasonable requests of the Principal, or its authorised persons regarding any safety audits in respect of the site on which the Works are performed;
 - o) Without limiting paragraph n), at all reasonable times, allow the Principal or any person authorised by the Principal:
 - i) to enter upon the site where the Works are being performed to conduct a safety audit;
 - ii) to enter upon the site where the Works are being performed or any premises occupied by you to inspect and copy any records relevant to a safety audit; and
 - iii) to enter upon the site where the Works are being performed or any premises occupied by you to interview any person as part of a safety audit; and
 - p) provide reports on work health and safety matters to the Principal in such form and at such times as reasonably required by the Principal and advised to you.
- 2.25. If the Principal reasonably considers that a risk of injury to people or damage to property is arising or likely to arise from your activities (or any of your subcontractors) the Principal may direct you (or the relevant subcontractor) to change your (or its) manner of working or cease working and you or the subcontractor must comply.
- 2.26. The Principal may take any action necessary to protect the Works and other property or to prevent or minimise risk to health and safety of persons, which you must take but do not and the Principal may recover any costs associated with such action from you.
- 2.27. In this clause, "regulator" and "notifiable incident" have the same meaning as in the *Work Health and Safety Act 2011* (ACT).
- In addition to any obligations under WHS Legislation, you must:
- a) notify the Principal of any notifiable incident immediately after you notify the regulator;
 - b) provide the Principal with copies of all written notifications and/or details of any verbal notifications given to the regulator (as applicable) immediately after providing the same to the regulator.
- 2.28. In addition to the obligations under the preceding clause, you must promptly notify the occurrence and furnish a written report to the Principal of:
- a) incidents resulting in damage to property;
 - b) incidents resulting in significant delays to the Works;
 - c) incidents resulting in injury or illness other than a notifiable incident; and
 - d) incidents that may have resulted in or may result in any incident set out in paragraphs a), b), or c) above or a notifiable incident.
- 2.29. In this clause "improvement notice", "infringement notice", "non-disturbance notice", "notice of entry" and "prohibition notice" have the same meaning as in the *Work Health and Safety Act 2011* (ACT)
- You must immediately notify the Principal upon becoming aware of the issue of any improvement notice, infringement notice, non-disturbance notice, notice of entry or prohibition notice referable to the site on which the Works are being performed and provide the Principal with a copy of the relevant notice if you have the same.

2.30. In this clause "provisional improvement notice" has the same meaning as in the *Work Health and Safety Act 2011* (ACT)

You must promptly notify the Principal upon becoming aware of the issue of any provisional improvement notice referable to the site on which the Works are being performed and provide the Principal with a copy of the relevant notice if you have the same.

2.31. a) In this clause, unless otherwise stated, capitalised words and phrases have the same meaning as in the Australian Capital Territory's WHS Active Certification Policy (as amended from time to time).

b) Without limiting any other part of this Contract where you:

- i) are prequalified under a Prequalification Scheme at the date of this Contract;
- ii) become prequalified under a Prequalification Scheme during the term of this Contract; or
- iii) have your prequalification status under a Prequalification Scheme cancelled, suspended or downgraded during the term of the Contract, the WHS Active Certification Policy will apply. To the extent necessary to give effect to the WHS Active Certification Policy its provisions are incorporated by reference into this Contract.

c) You will pay to the Principal by way of reimbursement the Auditor's costs associated with the conduct of any Follow Up-Audit (required as a result of your actions or inaction) and any Close Out Audit conducted under the WHS Active Certification Policy.

d) Unless otherwise agreed by the parties, the costs of the Auditor referred to in clause 2.31c) will be paid by you to the Principal way of a deduction from an amount or amounts claimed by you in any-claim for payment made under this Contract, at absolute discretion of the Principal.

e) Where all or part of the costs of the Auditor are not paid to the Principal in accordance with clause 2.31d) any amount outstanding will be a debt due and payable by you to the Principal.

2.32 Where you have been appointed as principal contractor for the purpose of the WHS Legislation Part 5A will also apply. Where you have not been appointed a principal contractor for the purpose of the WHS Legislation Part 5B will apply.

2.33 If requested by the Principal, you must arrange testing of any material or work comprising the Works. All testing under the Contract must be carried out by a laboratory which is registered with the National Association of Testing Authorities.

2.34 If at any time you become aware of the presence on the Works site of any loose fibrous matter which may contain asbestos, or any other potentially dangerous chemicals or articles, you must:

- a) not disturb the material or article and must immediately notify the Principal; and
- b) ensure that all employees, subcontractors and members of the public are protected from exposure to the material or article until the nature of the material has been assessed by the appropriate authority and directions issued to you in respect of further action to be taken.

- 2.35 You must make good at your expense all fencing, roads, footpaths and surfaces which may be disturbed by you in carrying out the Works leaving the Works site and adjacent areas in the same state of repair as they were in when you commenced the Works; and remove from the Works site all rubbish, debris and waste resulting from you carrying out the Works, as directed by the Principal up to the end of the Defects Liability Period.
- 2.36 Despite any difference or dispute ("**Dispute**") between the parties arising in relation to the Contract or the Works, each party will continue to perform their obligations under the Contract. The parties agree that, following the issue of a dispute notice, they will endeavour to resolve the Dispute by negotiations, including by referring the Dispute to persons who have authority to intervene and direct some form of resolution.
- 2.37 You **indemnify** the Principal, its employees and agents against all claims, costs and expenses and for all loss, damage, injury or death to persons or property caused or contributed to by you, your employees, agents or contractors in connection with carrying out the Works except to the extent that the Principal caused the relevant loss, damage or injury. This indemnity survives the expiration or earlier termination of the Contract.
- 2.38 You may not without the prior written approval of the Principal **assign the Contract**, or assign, mortgage, charge or encumber any of the moneys payable under the Contract or any other benefit whatsoever arising under the Contract.
- 2.39 Any **material provided by the Principal** to you for the purposes of the Contract ("**Material**") will remain the property of the Principal and you must use and be responsible for the safekeeping and maintenance of that Material only for carrying out the Works. You must return all Material at the expiry or early termination of the Contract.
- 2.40 You **warrant** that, at the date of entering into the Contract, no **conflict of interest** exists or is likely to arise in the carrying out of the Works and of your other obligations under the Contract. If, a conflict or risk of conflict of interest arises, you will notify the Principal immediately in writing and will comply with any requirement of the Principal to eliminate or otherwise deal with that conflict or risk of conflict.
- 2.41 You warrant that you have not entered into any **collusive arrangement** in relation to the Works or your Tender for the Works. You must comply with the National Code of Practice for the Construction Industry in relation to such arrangements and must comply with all other requirements of the Code.
- 2.42 You must not **represent** yourself as being employees, partners or agents of the Principal. Nothing in this Contract creates any employment, partnership or agency for any purpose.
- 2.43 You must, when using the Principal's premises or facilities, comply with all **security and office regulations** as notified by the Principal.
- 2.44 The Contract comprises the **entire agreement** between the parties in relation to the Works and supersedes any prior representations, negotiations, writings, memoranda and agreements. The Contract may only be varied by the written agreement of the parties.
- 2.45 Any **notice**, or other communication required or otherwise to be given or sent to the Principal or to you under the Contract must be in writing and will be deemed to have been given: if delivered by hand, upon delivery; if sent by prepaid mail, upon the expiration of two days after the date on which it was so sent; if sent by facsimile, upon the sender's facsimile machine recording that the facsimile has been successfully and properly transmitted to the recipient's address; if sent by electronic mail, upon the sender's computer recording that the message has been successfully transmitted to the recipient's electronic mail address, to the persons and addresses, facsimile numbers or email addresses set out in the Schedule or on such other person, address, facsimile number or email address as may be notified by a party to the other from time to time.
- 2.46 Any **provision of the Contract** which is illegal, void or unenforceable will not affect the validity of the remaining provisions of the Contract.

- 2.47 The **Contract is governed by and construed** in accordance with the law for the time being in force in the Territory and the parties submit to the jurisdiction of the courts of the Australian Capital Territory. You must ensure that you comply with the laws from time to time in force in the Territory in performing its obligations under the Contract.
- 2.48 Parts 4, 5A and 5B form part of the Conditions of Contract.
- 2.49 The Principal may from time to time advise you of the appointment of a Principal's representative who will act as the agent of the Principal under the Contract (subject to such limits as advised by the Principal to you).

SPECIFICATIONS

This Contract uses ACT Standard Specification for Urban Infrastructure Works Edition 1 Revision 0 September 2002 (ACT Standard Specification):

The text of the ACT Standard Specification is not included in this document. The ACT Standard Specification may be obtained from:

Roads ACT
Territory & Municipal Services Directorate
Level 7, Macarthur House
12 Wattle Street, Lyneham ACT 2602
Phone: 6207 6868

AND

The Technical Exception Clauses set out in the attached document "Northbourne Avenue Pedestrian Lighting Upgrade – Technical Exception Clauses – Street Lighting, April 2014"

AND

The attached document "Northbourne Avenue Pedestrian Lighting Upgrade – Tree Management Plan, February 2014"

AND

Drawings as follows:

- 23-14970-C000-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Cover Page"
- 23-14970-C001-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Pedestrian Lighting Layout – Sheet 1 of 2"
- 23-14970-C002-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Pedestrian Lighting Layout – Sheet 2 of 2"
- 23-14970-C003-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Lighting Details"
- 23-14970-C004-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Concept TTM and Tree Management Plan Sheet 1 of 2"
- 23-14970-C005-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Concept TTM and Tree Management Plan Sheet 2 of 2"



Territory and Municipal Services
Northbourne Avenue Pedestrian Lighting Upgrade
Technical Exception Clauses - Street Lighting

April 2014

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14. STREET LIGHTING

This specification shall be read in conjunction with the Territory and Municipal Services (TAMS) standard specification for Urban Infrastructure works – Street Lighting Section 14 and the street lighting drawings.

14.1 Scope

Delete Clause 14.1 and replace with:

This specification set outs the minimum requirements for the supply, installation, commissioning and testing of Category P "Pedestrian area lighting" for the proposed lighting upgrade along the pedestrian footpath in Northbourne Avenue median, from Alinga Street to Barry Drive, Canberra ACT.

The works shall include the installation of the following:

- Supply and Installation 4.5m poles as specified on the drawings on ragbolt assemblies as defined in the Design Standards for Urban Infrastructure - Section 12 including concrete footing for street lighting columns.
- Supply and installation of Sylvania-Elipt post top luminaires,
- Supply and installation of street lighting cables;
- Provide trenching and under-boring where nominated;
- Restoration of all disturbed surfaces
- Works to be conducted in accordance with the Tree Management Plan;
- Warranty; and
- Work as Executed (WAE) Documentation to TAMS and ActewAGL requirements;

Provide all labour and materials specified or shown on the drawings. Include works and materials which would be provided in accordance with the accepted trade practice or would be necessary for the satisfactory operation and completion of the works.

Location of public lighting as shown on the electrical drawings is indicative only and shall be verified on site during course of works. Final locations are to be determined by the project superintendent.

14.1.1 Regulation and Technical Requirements

Insert the following clause:

All electrical services shall comply with the various codes and standards set down by the Authorities having jurisdiction over such standards. All work shall be carried out by persons licensed to do so in the ACT.

In particular the standard requirements of the following authorities shall be observed in all respects.

1. Design Standards for Urban Infrastructure - Section 12
2. ACT Workcover;
3. ActewAGL;
4. Local Regulations relating to Scaffolding and Lifts;

5. ACT Planning and Land Authority (ACTPLA)/BEPCON;
6. National Construction Code 2013;
7. Telstra;
8. Transact;
9. Design Standard for Urban Infrastructure – Street Lighting Section 12; and
10. Installation Standard for Urban Infrastructure – Street Lighting Section 14.

14.5 Materials

14.5.2 Cabling

Delete paragraph 2 and 3 and insert the following paragraph:

All cabling and conduit work shall be installed in accordance with AS/NZS 3000:2007 as amended. All street lighting cable shall be installed in conduit as documented. Cable sizes for each nominated public lighting circuit are to be installed as shown on the drawings.

14.5.3 Columns

Insert the following before the first paragraph:

Proposed lighting poles shall be a principal supplied item.

Contractor is to allow for the inspection of the items, safe loading and safe transport of the columns, lamps, luminaires and fittings to the project site.

The Contractor is to provide all materials and labour to install connect and commission poles and all fittings (contractor may be required to assemble items)

All columns and fittings are to be installed as per manufacturer's recommendations.

14.5.3.1 Heritage Listed Areas

Delete Clause 14.5.3.1

14.5.3.3 Banner mounting

Delete Clause 14.5.3.3

14.5.5 Electromagnetic Compatibility (EMC)

Delete Clause 14.5.5 and replace with:

All new luminaires and control equipment covered by this specification shall comply with all relevant requirement of the Australian Communication and Media Authority (ACMA) for EMC and the requirements of AS 4251.1 Electromagnetic compatibility – Generic Emission Standard part 1: Residential, commercial and light industry.

14.5.6 Lamps

Delete table from 14.5.6 and replace wording above table with the following:-

Lamp types shall be as nominated on drawings. The lamps shall be suitable for use in the type of luminaire installed and have a guaranteed minimum life as nominated by the luminaire manufacturer.

14.7 Erection and Installation

14.7.3 Laying of Conduit

Insert the following paragraph:

Supply and install orange conduit underground as documented on the drawings. Provide underboring/hydro excavation for conduit to the approval of the Superintendent where excavation is within the tree zone. Conduit shall sweep in and out to street lighting column. Sweep bend radius shall be in accordance with TAMS requirements.

Provide excavation at light pole and luminaire locations and allow making good existing surfaces due to trenching/underboring. Refer to drawings for final placement of street light columns including Eastings and Northings.

14.7.5 Cabling

Add the following paragraph:

The factory connection from the uplighter fitting shall not be cut or modified in any way, and the luminaire shall be connected to the public lighting circuit as per the manufacturer's instructions. Where ambiguity regarding wiring and maintaining IP ratings of the uplighters arise, seek advice and direction from the Superintendent and Manufacturer prior to installation.

14.7.6 Installation of lighting columns

Delete Clause 14.7.6 paragraph 3 and replace with:

Column shall be installed as per manufacturer recommendation.

The columns shall be conforming to the requirement of AS 1798 Public Lighting Poles and Bracket Arms.

14.7.10 Works as Executed Drawings

Delete Clause 14.7.10 paragraph 2 and replace with the following:

Provide three (3) sets of completed CAD drawings in the O&MM of complete Works as Executed (WAE) drawings detailing the installed electrical services. WAE drawings shall include the following:

- All columns, underground conduits and cabling with dimensions from boundaries, or easting and northing details
- Circuit details, including loading information
- All drawings shall comply with AS1102.
- Client name and client project number;
- Block and section;
- "Works-as-Executed" annotation adjacent title block and signed as such by the Superintendent; and
- Project title
- Works "As Executed" drawings shall be submitted to ActewAGL and in accordance with TAMS Street lighting installation standard – section 14 requirements.

Drawings shall be prepared in accordance with TAMS document Ref-08 WAE Quality Records. Evidence of completed Principal hold point inspection shall be provided with the WAE documents.

Street lights will not be energised until WAE drawings have been lodged and approved. The Contractor shall be responsible for disconnection and connection fees to ActewAGL.

14.7.12 Excavating

Add new subclause:

Trenching and backfilling shall be provided in accordance with ACT Standard Specification.

The trench shall be excavated so that pipes are not less than 600mm below ground level. The bottom shall be cleared of all rocks, stones and other hard and sharp materials and shall be filled to a depth of 50mm with a layer of selected filling in the bottom of the trench.

Where the excavated spoil is considered by the Superintendent to be unsuitable for this layer, the Contractor shall supply special sand, loam or other approved filling.

Where trenches are left open ensure that they are protected by barricades or in such a manner as to prevent them creating any hazard.

Trenches for conduits for Supply Authority cabling shall be in accordance with the Supply Authority Standards.

Note all excavation within tree drip zones to be undertaken in accordance with Tree Management Plan and all relevant ACT Government tree and environmental guidelines.

14.7.13 Backfilling and Making Good

Add new subclause:

After laying the conduits the trench shall be backfilled, as described below only after the pipes have been approved by the Superintendent.

- a. Where pavements are to be built over the trenches, the backfilling material is to be sand, gravel, cement stabilised sand or similar approved material and brought to the level of the bottom of the pavement base course. It must be thoroughly rammed by hand tampers or mechanical tampers till a Mod. density of at least 90% of the maximum modified dry density is obtained.
- b. In other cases the trench must be backfilled with approved material laid in 150mm loose layers and compacted to the density of the adjacent soil. Stones having a dimension over 50mm are not to be used. The top of the backfilling shall be finished flush with the surface in lawn, garden and other prepared areas or neatly mounded above the ground surface in areas where no surface treatment is specified.
- c. All excess excavated spoil shall be removed.
- d. Make good existing paving and landscaping disturbed during trenching.

14.7.14 PVC Marker Strip

Add new subclause:

An approved type 150mm wide PVC marker tape with metal stripe for location, and bearing the words "Caution - Buried Electric Cables Below" shall be laid in the trench directly above all underground electrical cable ducts approximately 200mm below the surface of the ground for the entire length of the underground cable ducts in accordance with AS3000.



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Rev No.	Author	Reviewer		Approved for Issue		
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1	C.Heinrich	B.Murphy	BM*	P.Evans	PE*	31.03.14

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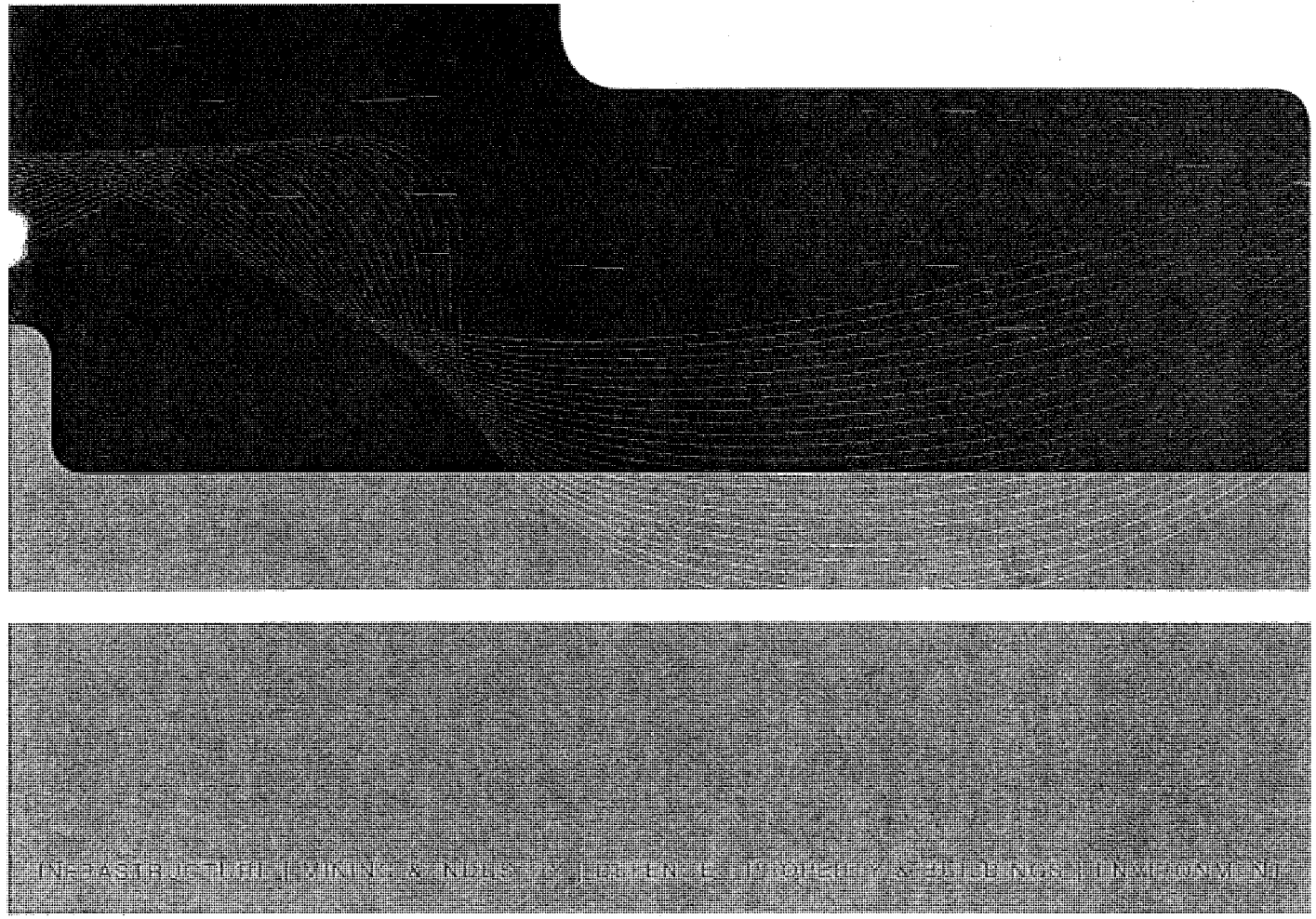


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Territory and Municipal Services
Northbourne Avenue Pedestrian
Lighting Upgrade
Tree Management Plan

February 2014



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1. Introduction

This Tree Management Plan (TMP) has been developed to give guidance to the management of trees during the University Avenue Pedestrian Lighting project. It is intended to give a set of operational guidelines for contractors to use to ensure that the existing trees on site are protected during the construction activities during the refurbishment.

This Tree Management Plan (TMP) has been prepared by a GHD Urban Forester who is approved by the ACT Conservator of Flora and Fauna to undertake tree assessments in the ACT under the Tree Protection Act 2005.

The TMP has been based on the requirements of the Australian Standard *Protection of trees on development sites (AS 4970-2009)*, the *Landscape Management and Protection Plans (LMPP) Requirements for the Protection of Public Landscape Assets Adjacent to Development Works Issue 2 Revision 2* (LMPP Requirements), and the requirements of the landscape design for the site. Where applicable it makes reference to drawings numbers to emphasise the method intended by the landscape design to assist with the protection of the trees.

In Section 2 of this report the status of the surveyed trees are discussed.

Section 3 of this report discusses the general requirements for the protection of existing trees.

Section 4 of this report discusses the requirements for the management of the trees during the work, and is the Project Tree Management Plan (TMP).

2. Status of Surveyed Trees

The LMPP requirements specify that all trees located in the road reserve, verge, public open space and on unleased Territory land shall be retained and must remain undamaged. The LMPP process requires the identification of any trees that may be affected by the works and the submission of a request for approval to proceed with the work clearly identifying the nature of the work affecting the tree and protective measures proposed to minimise damage to the tree.

Written authorisation from Asset Acceptance is required prior to any work affecting the tree taking place.

This site is not on leased territory land and as such is not subject to the regulations of the Tree Protection Act 2005. The recommendations for work at this site are based on AS 4970 and the LMPP Requirements. Both documents provide measures to minimise and mitigate tree damaging activities during development works.

3. Requirements for the Protection of Existing Trees

To preserve the ongoing vigour of the retained trees it is important that they are protected during the works. **The disturbance of any plant material requires the written authorisation of Asset Acceptance as part of the LMPP.**

This section outlines some of the basic tree protection requirements as outlined in the LMPP and AS 4970.

3.1 Trees must be protected

AS 4970 states that *as it is rarely possible to repair stressed and injured trees, so substantial injury needs to be avoided during all stages of development and construction. For trees to be retained and their requirements met, procedures must be in place to protect trees at every stage of the development process.*

Requirements of the LMPP Requirements state that all trees located in the road reserve, verge, public open space and on unleased Territory land, are to be retained and remain undamaged. Written authorisation from Asset Acceptance (AA) is required if any plant material is to be disturbed as a part of construction. This approval will be given as a part of the Landscape Management and Protection Plans (LMPP). Authorisation is subject to:

- Existing canopy clearance not being altered;
- Crowns and Apex of canopies not being altered or reduced;
- Lifting equipment and load capable of operating in a manner that clears the height and width of the tree canopy without damaging the crown; and
- Construction equipment able to pass beneath the trees lowest limb through the designated driveway access.

3.1.1 All trees must have protective fencing throughout the period of the work

Under the LMPP requirements all trees have a Tree Protection Zone (TPZ) that coincides with the drip-line of the tree. To protect the trees all activity inside the TPZ is prohibited unless it has been specifically approved in writing by Asset Acceptance.

1. According to the LMPP requirements all temporary protective fences erected to protect existing publicly owned landscape assets are to be in accordance with the approved LMPP drawing.
2. Fence off existing trees, plantings and grass to enclose the street verge, public open space or unleased Territory land area. The location of protective fencing will be:
 - o Fence each tree along its drip-line (at a minimum),
 - o 1.2m from the back of the kerb for the full frontage of the lease, along the property boundary and along approved driveway access to ensure that the verge is completely enclosed.
3. Fencing must be erected before the commencement of any site works and removed at completion of all construction and commencement of verge restoration.
4. The fence is to remain in place throughout the duration of the project.

5. The LMPP Requirements state that the use of a temporary 1800 mm tall continuous mesh fence supported by steel posts with concrete bases is mandatory. Variation from this requirement must be accompanied by written agreement from the Asset Acceptance Officer.
6. All construction activity including stockpiling of materials, vehicle access and parking must be excluded from the fenced area. Ensure that site access points are outside all the protection zones.

3.1.2 Root Protection

The LMPP requirements and AS 4970 make particular emphasis on the need for root protection during works. There are two protection zones that must be taken into account when undertaking construction works near the trees. These zones are the structural root zone (SRZ) and the tree protection zone (TPZ).

The structural root zone (SRZ) is the area around the base of a tree required for the tree's stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres.

The tree protection zone (TPZ) is a specified area above and below ground and at a given distance from the trunk set aside for the protection of a tree's roots and crown to provide for the viability and stability of a tree to be retained where it is potentially subject to damage by development or works.

The LMPP Requirements stipulate as follows: *excavation that occurs within the drip zone of a tree shall be restricted to one side of the tree only and shall have prior approval from AA.*

Where excavation is approved, the following measures are to be adopted for tree protection:

- ▶ *Do not sever large roots (>30 mm diameter) closer than halfway from the drip-line to the trunk.*
- ▶ *Locate these roots by hand trenching to a depth of 300 mm before any mechanical trenching is undertaken.*
- ▶ *Cut roots cleanly with equipment specifically designed for this purpose or by suitable pruning equipment.*
- ▶ *Protect exposed roots from desiccation by lightly watering or covering with hessian which must be kept moist, and*
- ▶ *Maintain the good health of the trees that have had disturbance in their roots zone by continual watering, at no time shall the disturbed area be allowed to dry out to the detriment of the trees health.*

4. Requirements

If the LMPP requirements are followed the TPZ will be fenced and no activity can take place within the TPZ. However in this circumstance, activities are required within the TPZ to fulfil the construction requirements and mitigating construction methods will be necessary. This section outlines the requirements specific to this project, and is subject to written authorisation of AA as part of the LMPP.

Although the trees recommended for retention are considered sound, there is risk associated with works close to the trees, both to the trees from activity, and to operators due to potential for material to fall from the crowns (low but possible). Ensure deadwood is removed by a qualified arborist (if required) prior to construction (for trees that will be retained) to ensure safety of construction workers.

It is important that wherever possible construction activities should be kept outside the drip-line by the use of exclusion fencing or by deploying structures and anti soil compaction techniques such as those shown in Figure 1.

4.1 Tree Protection

4.1.1 Tree Protection Zone

For the purpose of these recommendations the TPZ is the trees' drip-line as specified in the LMPP Requirements.

Construction activities must be kept outside the TPZ, unless specific approval is given.

The tree protection zone must be fenced according to the fencing shown on the Tree Management Plan drawing.

Fencing must remain in place unless approved works are being carried out inside the TPZ. Once works inside any fenced area is complete, the fences must be re-erected.

4.1.2 Structural Root Zone

For the purpose of these recommendations the **SRZ is the mid point between the drip-line and the tree trunk.**

4.2 Tree Protection Briefing

All staff should attend a briefing session where the staff are informed about the location and importance of the TPZ and SRZ and the tree protection measures they are required to adhere to.

4.3 Works inside the TPZ

In this circumstance, activities are required within the TPZ to fulfil the construction requirements and mitigating construction methods will be necessary. Therefore the protection measures outlined below are to be followed during ground works within the TPZ to minimise damage to the respective part of the tree, as shown in Figure 1.

4.3.1 Works inside the TPZ and inside the SRZ

For staff to recognise the SRZ use spray paint to provide a visual outline of this zone.

When working within the SRZ hand excavation or hydro excavation is the required method to identify the presence of structural roots. During the hydro excavation operations the water pressure needs to be at a level that does not remove the bark from the roots.

Roots within the SRZ greater than 30mm diameter shall not be severed unless permitted by the qualified Project Arborist. Underboring, hand excavation or hydro excavation is considered the most appropriate method of excavation in this zone.

4.3.2 Works inside the TPZ and outside the SRZ

Subject to approval obtained through the AA, excavation within the TPZ is to be in accordance with the LMPP requirements and AS 4970. Protective fencing will be kept in place until such approval has been given.

All works within the TPZ are subject to approval by the Superintendent who will take advice from a qualified arborist and will generally comply with the protection measures suggested in AS 4970 or similar and with the LMPP requirements.

Photographic records should be kept of any excavation activity within the TPZ.

4.3.3 Root Damaging Activities

- Techniques to minimise damage to roots within the TPZ will include hand excavation, underboring or hydro excavation to expose the roots. The use of these techniques within the SRZ is mandatory. Where roots are required to be cut as part of this process it will be in accordance with the LMPP requirements, i.e. be cut cleanly with equipment specifically designed to cut roots cleanly or other suitable pruning equipment, and root cutting will be carried out by a suitably qualified arborist /experienced horticulturist /urban forester;
- ▶ Root damage – to assist recovery of roots, place fertiliser into the top 30 cm of the disturbed area. Blood and bone at 250 gm/m², with watering during summer months (subject to permit availability);
- ▶ Where roots are disturbed planning will include allowance for additional watering as approved by AA;
- ▶ If any trench/hole is not going to be back-filled within 24 hours, keep the roots lightly watered and cover with hessian, which must be kept moist; and
- ▶ Where hydro excavation methods are used, water pressure must be limited so that bark surrounding roots and roots greater than 30 mm diameter are not damaged.

4.3.4 Trunk Protection

The trunk of the tree must be protected if fences are removed and work is carried out inside the TPZ.

- ▶ Wrap the trunk with padding and battens to a minimum height of 2m as per Figure 1, AS 4970, or similar;
- ▶ Install high visibility paraweb clear of the tree trunk to highlight the presence and location of the tree;
- ▶ For machinery operations, the machines are to work away from the tree, to reduce the chance of machines coming into contact with the tree; and

- ▶ The size of the machine needs to be limited to a size that allows it to work without being impeded by the trees and building infrastructure on site.

4.3.5 Branch Protection

- ▶ On the advice of the project arborist and subsequent approval by AA, remove any branches that are impeding access, and trunk wrap those that are likely to be damaged during works as per Figure 1, AS 4970, or similar; and
- ▶ The size of the machine should be limited to a size that enables it to work under the tree canopy without causing damage to branches wherever possible.

4.3.6 Mobile Plant and Excavation within the TPZ

Where the pre-existing paving is still in place approval by AA for the following works within the TPZ is sought:

- ▶ Allow for the use of the pre-existing paving or adjacent roadway to replace AS 4970 need for rumble boards; and
- ▶ Allow for the stockpiling of materials, vehicle access and movement within the TPZ on pre-existing pavement.

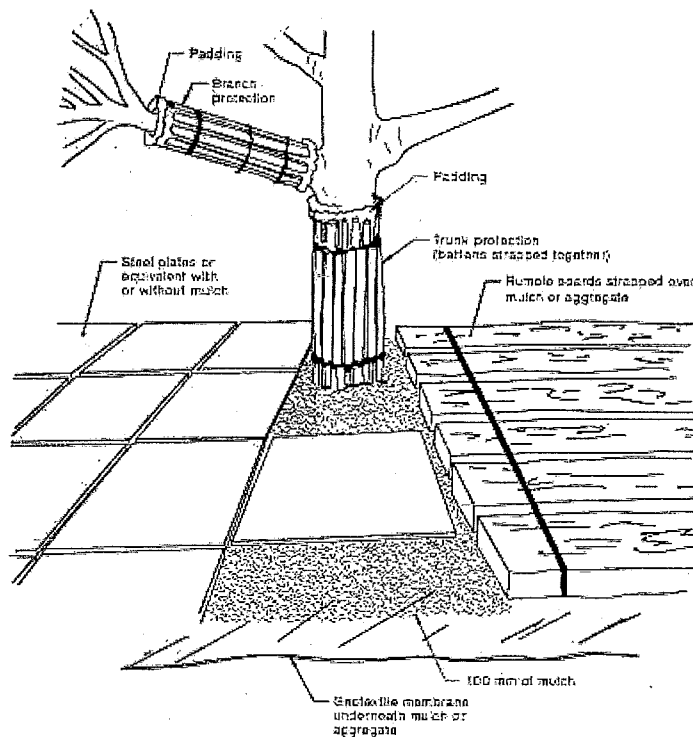
Operating with machinery directly on exposed soil, without rumble boards, causes soil compaction, a reduction in soil porosity and negatively impacts soil structure.

Where the pre-existing paving has been removed the following requirements apply:

- ▶ Rumble boards are required for wheeled machinery (refer Figure 1);
- ▶ Rumble boards are not required for work with tracked machinery if soil moisture levels and soil type are suitable. Direction should be sought from the Superintendent to determine soil suitability on a case by case basis. In some cases remedial action involving coring soil and backfilling with sand to allow aeration and water penetration will be required at the direction of the Superintendent with Arborist advice;
- ▶ Stock piling of materials within the TPZ is not permitted. Where there is existing hardstand the project arborist may permit the stockpiling of materials, provided the materials are not closer than 2m to the base of the tree trunk. The 2m zone should be delineated with paraweb (or similar high visibility material) and the trunks must be wrapped (refer Figure 1);
- ▶ No parking and storage of construction machinery and vehicles within the TPZ unless on existing hardstand.

Access points should be positioned centrally between the existing street trees to minimise machine and vehicle movements within the TPZ.

If deviation from these protection measures is required, then approval from AA must be sought.



NOTES:

1. For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
2. Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

Figure 1 Examples of trunk, branch and ground protection. From Figure 4, AS 4970-2009

4.3.7 Signage

When working within the TPZ signs stating that work is being undertaken within the TPZ should be erected.

4.3.8 Irrigation

- ▶ Water trees that have had disturbance in their root zone. The amount and frequency of water needs to be adapted to the trees' requirement, based on seasonal conditions;
- ▶ Irrigation infrastructure is a component of the design process. For this project, installation of irrigation infrastructure to trees was not included in the project design; and
- ▶ An irrigation system could include sumps that act as rain water capture points. At the base of the sumps connect a 100 mm perforated Ag Pipe that passes underground. The entry points of the Ag Pipe will be filled with crushed rock to prevent vermin entry. These sumps could collect rain water or be filled manually and the water will percolate through the rock filling.

Part 3 Ethical Suppliers Declaration - Tender

STATUTORY DECLARATION

Statutory Declarations Act 1959 (Cth)

I, [Name, address and occupation of person making declaration] make the following declaration under the Statutory Declarations Act 1959 (Cth),

1. In this declaration a reference to:
 - a. **"Adverse Ruling"** means a ruling by any court, tribunal, board, commission or other entity with jurisdiction to determine employee and industrial relations matters to the effect that the Tenderer has breached its Employee and Industrial Relations Obligations.
 - b. **"Employee"** means a natural person who is employed under a contract of service (excluding professional or information technology services) to provide the Tenderer with his or her labour.
 - c. **"Employee and Industrial Relations Obligations"** means compliance with:
 - (a) Prescribed Legislation;
 - (b) the orders, directions or decisions of any court, tribunal, board, commission or other entity with jurisdiction to consider the interpretation, breach or any other matter concerning any Prescribed Legislation;
 - (c) Industrial Instruments; and
 - (d) the IRE Strategy.
 - d. **"Full Details"** means the details of:
 - (a) the nature of the breach or offence or alleged breach or offence;
 - (b) any conviction recorded or adverse finding made in respect of the breach or offence;
 - (c) any penalty or orders imposed by a court, tribunal, board, commission or other entity in respect of the breach or offence and the maximum penalty that could have been imposed under the Prescribed Legislation.
 - (d) the name of the court, tribunal, board, commission or other entity; the State or Territory in which the proceeding or prosecution is brought; the date on which the proceeding or prosecution was commenced and the number or description assigned to the proceeding or prosecution by the court, tribunal, board, commission or other entity; and
 - e. the name of the person or other legal entity against which the finding or conviction was made or the proceeding or prosecution was initiated.
 - f. **"Industrial Instruments"** means an award or agreement, however designated, that:

- (a) is made under or recognised by an industrial law; or
 - (b) concerns the relationship of an employer and the employer's employees.
- g. **"IRE Certificate"** has the same meaning as in the ACT Government's IRE Strategy;
- h. **"IRE Strategy"** means the ACT Government's *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects*, as amended from time to time,
- i. **"Prescribed Legislation"** means each of the following:
- (a) Industrial Instruments applicable to the Tenderer;
 - (b) *Long Service Leave Act 1976* (ACT);
 - (c) *Work Safety Act 2008* (ACT);
 - (d) *Long Service Leave (Portable Schemes) Act 2009* (ACT);
 - (e) *Workers' Compensation Act 1951* (ACT);
 - (f) *Workplace Relations Act (1996)* (Cth);
 - (g) *Fair Work Act 2009* (Cth);
 - (h) *Superannuation Guarantee (Administration) Act 1992* (Cth);
 - (i) *Building and Construction Industry Improvement Act 2005* (Cth);
 - (j) *Workplace Gender Equality Act 2012* (Cth);
 - (k) *Paid Parental Leave Act 2010* (Cth);
 - (l) *Payroll Tax Act 1987* (ACT);
 - (m) *Work Health and Safety Act 2011* (ACT);
 - (n) *Fair Work (Building Industry) Act 2012* (Cth);
 - (n) any Regulations made under the above Acts;
 - (o) any laws of the Commonwealth or the Australian Capital Territory which vary or replace the above Acts or Regulations, or any part of them; and
 - (p) any other Acts or Regulations of the Commonwealth or the Australian Capital Territory, which deal with matters relating to industrial relations, employment and/or workplace safety obligations.
- j. **"Prescribed Works or Services"** means works or services that require the exertion of labour by Employees.

k. "Project" means Project No [insert ACT Government Project no] for [insert sufficient details to identify nature of project, e.g. for the construction of school at Block 11 Section 66 Kambah]; and

l. "Tenderer" means [insert full legal name of Tenderer including the ACN/ABN as per that identified on the Tender].

2. I am authorised on behalf of the Tenderer to make this declaration.

3. The Tenderer holds a current IRE Certificate.

4. The Tenderer has in the preceding 24 months of the date of this declaration complied with all Prescribed Legislation

True (delete 4A and initial) Not true (answer 4A)

4A. The Tenderer has not complied with the following Prescribed Legislation.

[Insert Full Details of the failure to comply with Prescribed Legislation]

5. The Tenderer has in the preceding 24 months of the date of this declaration recognised the rights of its Employees to union membership and representation.

True (delete 5A and initial) Not true (answer 5A)

5A. The Tenderer has not recognised the rights of Employees to union membership and representation in the following respects.

[Insert Full Details of how the Tenderer has not recognised the rights of Employees to union membership and representation]

6. The Tenderer has in the preceding 24 months of the date of this declaration complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency.

True (delete 6A and initial) Not true (answer 6A)

6A. The Tenderer has not complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency in the following respects:

[Insert Full Details of how the Tenderer has failed to comply with all amendments to wages and conditions of employment]

7. In the preceding 24 months of the date of this declaration there have been no findings against the Tenderer by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation, including a finding of a breach in a non-confidential consent order.

True (delete 7A and initial) Not true (answer 7A)

7A. There have been the following findings (Full Details of which are provided) against the Tenderer by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation:

[Set out Full Details of findings]

8. In the preceding 24 months of the date of this declaration there have been no convictions under the Prescribed Legislation against the Tenderer.

True (delete 8A and initial) Not true (answer 8A)

8A. There have been the following convictions under the Prescribed Legislation against the Tenderer:

[Set out Full Details of convictions]

9. There are currently no proceedings or prosecutions against the Tenderer in respect of a breach of any Prescribed Legislation.

True (delete 9A and initial) Not true (answer 9A)

9A. There are currently the following proceedings or prosecutions against the Tenderer in respect of a breach of Prescribed Legislation.

[Set out Full Details of proceedings or prosecutions]

10. The Tenderer has not been required to implement any remedial measures to ensure future compliance with the Prescribed Legislation.

True (delete 10A and initial) Not true (answer 10A)

10A. The Tenderer has been required to implement the following remedial measures to ensure future compliance with the Prescribed Legislation:

[Set out Full Details of the remedial measures implemented]

I understand that a person who intentionally makes a false statement in a statutory declaration is guilty of an offence under section 11 of the Statutory Declarations Act 1959, and I believe that the statements in this declaration are true in every particular.

[Signature of person making the declaration]]

[Print name of person making the declaration]

Declared at [place] on [day] of [month] [year]

Before me:

[Signature of person before whom the declaration is made]

[Full name, qualification and address of person before whom the declaration is made
(in printed letters)]

Note 1 A person who intentionally makes a false statement in a statutory declaration is guilty of an offence, the punishment for which is imprisonment for a term of 4 years – see section 11 of the Statutory Declarations Act 1959.

Note 2 Chapter 2 of the Criminal Code applies to all offences against the Statutory Declarations Act 1959 – see section 5A of the Statutory Declarations Act 1959.

A statutory declaration under the Statutory Declarations Act 1959 may be made before--

- (1) A person who is currently licensed or registered under a law to practise in one of the following occupations:
- | | | |
|----------------------|----------------------|--------------------|
| Chiropractor | Dentist | Legal practitioner |
| Medical practitioner | Nurse | Optometrist |
| Patent attorney | Pharmacist | Physiotherapist |
| Psychologist | Trade marks attorney | Veterinary surgeon |
- (2) A person who is enrolled on the roll of the Supreme Court of a State or Territory, or the High Court of Australia, as a legal practitioner (however described); or
- (3) A person who is in the following list:
- Agent of the Australian Postal Corporation who is in charge of an office supplying postal services to the public
Australian Consular Officer or Australian Diplomatic Officer (within the meaning of the Consular Fees Act 1955)
Bailliff
Bank officer with 5 or more continuous years of service
Building society officer with 5 or more years of continuous service
Chief executive officer of a Commonwealth court
Clerk of a court
Commissioner for Affidavits
Commissioner for Declarations
Credit union officer with 5 or more years of continuous service
Employee of the Australian Trade Commission who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (d) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Employee of the Commonwealth who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (c) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Fellow of the National Tax Accountants' Association
Finance company officer with 5 or more years of continuous service
Holder of a statutory office not specified in another item in this list
Judge of a court
Justice of the Peace
Magistrate
Marriage celebrant registered under Subdivision C of Division 1 of Part IV of the Marriage Act 1961
Master of a court
Member of Chartered Secretaries Australia
Member of Engineers Australia, other than at the grade of student
Member of the Association of Taxation and Management Accountants
Member of the Australasian Institute of Mining and Metallurgy
Member of the Australian Defence Force who is:
- (a) an officer; or
 - (b) a non-commissioned officer within the meaning of the Defence Force Discipline Act 1982 with 5 or more years of continuous service; or
 - (c) a warrant officer within the meaning of that Act
- Member of the Institute of Chartered Accountants in Australia, the Australian Society of Certified Practising Accountants or the National Institute of Accountants
Member of:
- (a) the Parliament of the Commonwealth; or
 - (b) the Parliament of a State; or
 - (c) a Territory legislature; or
 - (d) a local government authority of a State or Territory
- Minister of religion registered under Subdivision A of Division 1 of Part IV of the Marriage Act 1961
Notary public
Permanent employee of the Australian Postal Corporation with 5 or more years of continuous service who is employed in an office supplying postal services to the public
Permanent employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority; or
 - (c) a local government authority;
- with 5 or more years of continuous service who is not specified in another item in this list
Person before whom a statutory declaration may be made under the law of the State or Territory in which the declaration is made
Police officer
Registrar, or Deputy Registrar, of a court
Senior Executive Service employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority
- Sheriff
Sheriff's officer
Teacher employed on a full-time basis at a school or tertiary education institution

Part 4

1.1 In these Conditions of Contract (including this Part 4) the following terms are defined:

"Adverse Ruling" means a ruling by any court, tribunal, board, commission or other entity with jurisdiction to determine employee and industrial relations matters to the effect that the You or any Subcontractor breached its Employee and Industrial Relations Obligations.

"Employee" means a natural person who is employed under a contract of service (excluding professional or information technology services) to provide the You or a Subcontractor with his or her labour.

"Employee and Industrial Relations Obligations" means compliance with:

- (a) Prescribed Legislation;
- (b) the orders, directions or decisions of any court, tribunal, board, commission or other entity with jurisdiction to consider the interpretation, breach or any other matter concerning any Prescribed Legislation;
- (c) Industrial instruments; and
- (d) the IRE Strategy.

Note: Examples of Employee and Industrial Relations Obligations may include payment of remuneration; training; annual holidays; long service leave entitlements; occupational health and safety requirements; workers' compensation; injury management, (including rehabilitation); legal age of employment; discrimination; freedom of association and superannuation. This list is non exhaustive.

"Ethical Suppliers Declaration - Contract" means a statutory declaration in the form set out in Part 4 (or such other modified form of statutory declaration as approved by the Principal and advised to You from time to time).

"Full Details" means the details of:

- (a) the nature of the breach or offence or alleged breach or offence;
- (b) any conviction recorded or adverse finding made in respect of the breach or offence;
- (c) any penalty or orders imposed by a court, tribunal, board, commission or other entity in respect of the breach or offence and the maximum penalty that could have been imposed under the Prescribed Legislation.
- (d) the name of the court, tribunal, board, commission or other entity; the State or Territory in which the proceeding or prosecution is brought; the date on which the proceeding or prosecution was commenced and the number or description assigned to the proceeding or prosecution by the court, tribunal, board, commission or other entity; and
- (e) the name of the person or other legal entity against which the finding or conviction was made or the proceeding or prosecution was initiated.

“Industrial Instruments” means an award or agreement, however designated, that:

- (a) is made under or recognised by an industrial law; or
- (b) concerns the relationship of an employer and the employer’s employees.

“IRE Certificate” has the same meaning as set out in the IRE Strategy.

“IRE Strategy” means the Principal’s *“Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects”* as amended from time to time, or such substituted policy or strategy of the Principal.

“Prescribed Legislation” means:

- (a) Industrial Instruments applicable to the Contractor, a supplier or Subcontractor;
- (b) *Long Service Leave Act 1976 (ACT)*;
- (c) *Work Safety Act 2008 (ACT)*;
- (d) *Long Service Leave (Portable Schemes) Act 2009 (ACT)*;
- (e) *Workers’ Compensation Act 1951 (ACT)*;
- (f) *Workplace Relations Act (1996) (Cth)*;
- (g) *Fair Work Act 2009 (Cth)*;
- (h) *Superannuation Guarantee (Administration) Act 1992 (Cth)*;
- (i) *Building and Construction industry Improvement Act 2005 (Cth)*;
- (j) *Workplace Gender Equality Act 2012 (Cth)*;
- (k) *Paid Parental Leave Act 2010 (Cth)*;
- (l) *Payroll Tax Act 1987 (ACT)*;
- (m) *Work Health and Safety Act 2011 (ACT)*;
- (n) *Fair Work (Building Industry) Act 2012 (Cth)*
- (o) Any Regulations made under the above Acts;
- (p) Any laws of the Commonwealth or the Australian Capital Territory which vary or replace the above Acts or Regulations, or any part of them; and
- (q) any other Acts or Regulations of the Commonwealth or the Australian Capital Territory, which deal with matters relating to industrial relations, employment and/or workplace safety obligations.

“Prescribed Works or Services” means works or services that require the exertion of labour by Employees.

"Project Compliance Audit" has the same meaning as in the IRE Strategy.

"Subcontractor" means any subcontractor engaged by You or sub-subcontractor engaged by your subcontractor.

- 1.2 This Part 4 applies to the extent that the Contract provides for the performance of Prescribed Works or Services.

Provision of Ethical Suppliers Declaration

- 2.1 You must provide the Principal with an Ethical Suppliers Declaration - Contract:

- (a) If requested by the Principal, at the time you enter into this Contract; and
- (b) If requested in writing by the Principal, at the time you request a progress payment; and
- (c) Within 7 days of the date of a written request from the Principal to you to provide the same.

- 2.2 The failure by you to provide the Ethical Suppliers Declaration - Contract in accordance with this Part or the making of a false statement in a statutory declaration by the you or your representative making the declaration will constitute a ground for termination as set out in clause 2.11 of the Conditions of Contract.

- 2.3 If the you fail to provide the Ethical Suppliers Declaration in accordance with this Part the Principal may withhold payment of monies due to you until the statutory declaration is received.

- 2.4 The Principal may by written notice to you request you obtain a statutory declaration from any Subcontractor in substantially the same form of the Ethical Suppliers Declaration - Contract (and provide the same to the Principal within 21 days of the date of the written notice). You must use your reasonable endeavours to ensure the Subcontractor supplies the declaration to enable you to comply with the request of the Principal.

- 2.5 You must ensure terms are included in all agreements with Subcontractors requiring them to provide statutory declarations to you to enable you to satisfy your obligations under this Part.

Compliance with Employee and Industrial Relations Obligations

- 3.1 You (and all Subcontractors) must comply with all Employee and Industrial Relations Obligations.

- 3.2 Without limiting clause 3.1 Employees must be paid wages at rates and employed under conditions of employment not less favourable than those required by any Prescribed Legislation which applies to you (or a Subcontractor, as applicable).

- 3.3 You and all Subcontractors must keep proper records and documents evidencing:

- (a) the wages paid to Employees
- (b) so far as practicable, the time worked by Employees;

- (c) payments made to third parties on behalf of Employees; and
- (d) compliance with all Employee and Industrial Relations Obligations.

3.4 You must, at all reasonable times allow, and must require Subcontractors to allow, the Principal or any person authorised by the Principal (including any person conducting a Project Compliance Audit):

- (a) to enter upon the Site to inspect the conditions in which Employees are employed;
- (b) to enter upon the Site or any premises occupied by you or a Subcontractor, to inspect and copy, as applicable, their:
 - (i) wage books;
 - (ii) time sheets;
 - (iii) records evidencing payment of superannuation entitlements;
 - (iv) records evidencing payment of long service leave entitlements; and
 - (v) other records relevant to establishing compliance with the Employee and Industrial Relations Obligations;
- (c) to enter upon the Site or any premises occupied by you or a Subcontractor, to interview any persons as necessary to demonstrate the compliance or otherwise by you and/or the Subcontractor(s) with Employee and Industrial Relations Obligations.

3.5 You must, take all reasonable actions and comply with all reasonable requests of the Principal or its authorised persons, and must require Subcontractors to take all reasonable actions and comply with all reasonable requests to ensure compliance with this Part (or the equivalent condition in any agreement with a Subcontractor). You (and any of your Subcontractors) will have no claim against the Principal for costs incurred by you (or a Subcontractor) in responding to any requests of the Principal made in accordance with or under this Part 4.

Disclosure regarding Employee and Industrial Relations Obligations

4.1 If at any time during the term of the Contract, an Adverse Ruling is made regarding you, you must within 7 days of the making of the Adverse Ruling provide a statutory declaration by an authorised representative setting out:

- (a) the Full Details of the Adverse Ruling;
- (b) If applicable, any additional information which in your opinion is relevant to the Adverse Ruling, including your grounds for any objection to the Adverse Ruling being relied upon as a ground for termination of this Contract;
- (c) If applicable, details of any information on which the Adverse Ruling is based which in your opinion is incorrect, incomplete or otherwise unfairly prejudicial to you for purposes of your dealings with the Principal under this Contract; and
- (d) If applicable, any existing or planned remedial measures which you have taken or will be taking to prevent a breach or offence similar to the non compliance, breach or offence on which the Adverse Ruling is based from recurring.

4.2 The:

- (a) failure by you to provide the statutory declaration in accordance with this Part;
- (b) the making of a false statement in a statutory declaration provided by you or your representative making the declaration; or
- (c) and Adverse Ruling being made against you,

will constitute a breach entitling the Principal to terminate the Contract.

- 4.3 In addition to any other rights set out in this Contract the Principal may take such action against you as provided for in the IRE Strategy in the event of an Adverse Ruling being made against you.
- 4.4 The remedies set out in this Part are in addition to and do not limit any other rights or remedies of the Principal under this contract or otherwise at law.

Agreements with Subcontractors

- 5.1 You must ensure all agreements with Subcontractors contain provisions:
- (a) requiring Subcontractors to comply with all Employee and Industrial Relations Obligations applicable to them and their employees; and
 - (b) imposing obligations on the Subcontractor in the same form as those set out in this Part and imposed on you (subject to any necessary variation to reflect the different parties).

IRE Strategy

- 6.1 You must ensure all Subcontractors engaged to perform Prescribed Works or Services under an agreement entered into on or after 1 January 2012 (or such later date as may be advised by the Principal to you):
- (a) hold a current IRE Certificate;
 - (b) maintain a current IRE Certificate during the term of their agreement; and
 - (c) that the obligations set out in this Part are included in the relevant agreement with the Subcontractor.

IRE Certificate

- 7.1 Where this Contract is entered into on or after 1 January 2012 (or such later date as may be advised by the Principal to you) you must hold an IRE Certificate and must maintain a current IRE Certificate during the term of the Contract.

Ethical Suppliers Declaration - Contract

- 8.1 The form of Ethical Suppliers Declaration – Contract is as follows:

STATUTORY DECLARATION

Statutory Declarations Act 1959 (Cth)

I, **[Name, address and occupation of person making declaration]** make the following declaration under the Statutory Declarations Act 1959 (Cth),

1. In this declaration a reference to:
 - a. **"Contract"** means an agreement which has or will shortly be entered into between the Australian Capital Territory and the Contractor for the provision of works in respect of the Project.
 - b. **"Contractor"** means **[insert full legal name of Contractor including the ACN/ABN as per that identified on the Contract]**;
 - c. **"Project"** means Project No **[insert ACT Government Project no]** for **[insert sufficient details to identify nature of project, e.g. for the construction of school at Block 11 Section 66 Kambah]**;
 - d. the words or terms **"Adverse Ruling"**, **"Employee"**, **"Employee and Industrial Relations Obligations"**, **"Industrial Instruments"**, **"IRE Certificate"**, **"Prescribed Legislation"**, **"Prescribed Works or Services"** and **"Subcontractors"** have the same meaning as defined in the Contract; and
 - e. all other capitalised words or terms have the same meaning as defined in the Contract.
2. I am authorised on behalf of the Contractor to make this declaration.
3. All Employees of the Contractor who have at any time been employed by the Contractor in respect of the Project have, at the date of this declaration, been paid all moneys due and payable to them in respect of their employment on the work under the Contract.
4. The Contractor has, at the date of this declaration paid all amounts it is required to pay to third parties on behalf of Employees as required by Prescribed Legislation.
5. All Subcontractors have been paid all moneys due and payable to them in respect of work under the Contract and any subcontract with the Subcontractor.
6. The Contractor holds a current IRE Certificate.
7. The Contractor has in the preceding 24 months of the date of this declaration complied with all Prescribed Legislation
 True (delete 7A and initial) Not true (answer 7A)
- 7A. The Contractor has not complied with the following Prescribed Legislation.

[Insert Full Details of the failure to comply with Prescribed Legislation]
8. The Contractor has in the preceding 24 months of the date of this declaration recognised the rights of its Employees to union membership and representation.

True (delete 8A and initial) Not true (answer 8A)

- 8A. The Contractor has not recognised the rights of Employees to union membership and representation in the following respects.

[Insert Full Details of how the Contractor has not recognised the rights of Employees to union membership and representation]

9. The Contractor has in the preceding 24 months of the date of this declaration complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency.

True (delete 9A and initial) Not true (answer 9A)

- 9A. The Contractor has not complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency in the following respects:

[Insert Full Details of how the Contractor has failed to comply with all amendments to wages and conditions of employment]

10. In the preceding 24 months of the date of this declaration there have been no findings against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation, including a finding of a breach in a non-confidential consent order.

True (delete 10A and initial) Not true (answer 10A)

- 10A. There have been the following findings (Full Details of which are provided) against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation:

[Set out Full Details of findings]

11. In the preceding 24 months of the date of this declaration there have been no convictions under the Prescribed Legislation against the Contractor.

True (delete 11A and initial) Not true (answer 11A)

- 11A. There have been the following convictions under the Prescribed Legislation against the Contractor:

[Set out Full Details of convictions]

12. There are currently no proceedings or prosecutions against the Contractor in respect of a breach of any Prescribed Legislation.

True (delete 12A and initial) Not true (answer 12A)

- 12A. There are currently the following proceedings or prosecutions against the Contractor in respect of a breach of Prescribed Legislation.

[Set out Full Details of proceedings or prosecutions]

13. The Contractor has not been required to implement any remedial measures to ensure future compliance with the Prescribed Legislation.

True (delete 13A and initial) Not true (answer 13A)

- 13A. The Contractor has been required to implement the following remedial measures to ensure future compliance with the Prescribed Legislation:

[Set out Full Details of the remedial measures implemented]

I understand that a person who intentionally makes a false statement in a statutory declaration is guilty of an offence under section 11 of the Statutory Declarations Act 1959, and I believe that the statements in this declaration are true in every particular.

[Signature of person making the declaration]]

[Print name of person making the declaration]

Declared at [place] on [day] of [month] [year]

Before me:

[Signature of person before whom the declaration is made]

[Full name, qualification and address of person before whom the declaration is made (in printed letters)]

Note 1 A person who intentionally makes a false statement in a statutory declaration is guilty of an offence, the punishment for which is imprisonment for a term of 4 years – see section 11 of the Statutory Declarations Act 1959.

Note 2 Chapter 2 of the Criminal Code applies to all offences against the Statutory Declarations Act 1959 – see section 5A of the Statutory Declarations Act 1959.

A statutory declaration under the Statutory Declarations Act 1959 may be made before—

- (1) A person who is currently licensed or registered under a law to practise in one of the following occupations:
- | | | |
|----------------------|----------------------|--------------------|
| Chiropractor | Dentist | Legal practitioner |
| Medical practitioner | Nurse | Optometrist |
| Patent attorney | Pharmacist | Physiotherapist |
| Psychologist | Trade marks attorney | Veterinary surgeon |
- (2) A person who is enrolled on the roll of the Supreme Court of a State or Territory, or the High Court of Australia, as a legal practitioner (however described); or
- (3) A person who is in the following list:
- Agent of the Australian Postal Corporation who is in charge of an office supplying postal services to the public
Australian Consular Officer or Australian Diplomatic Officer (within the meaning of the Consular Fees Act 1955)-
Bailliff
Bank officer with 5 or more continuous years of service
Building society officer with 5 or more years of continuous service
Chief executive officer of a Commonwealth court
Clerk of a court
Commissioner for Affidavits
Commissioner for Declarations
Credit union officer with 5 or more years of continuous service
Employee of the Australian Trade Commission who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (d) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Employee of the Commonwealth who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (c) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Fellow of the National Tax Accountants' Association
Finance company officer with 5 or more years of continuous service
Holder of a statutory office not specified in another item in this list
Judge of a court
Justice of the Peace
Magistrate
Marriage celebrant registered under Subdivision C of Division 1 of Part IV of the Marriage Act 1961
Master of a court
Member of Chartered Secretaries Australia
Member of Engineers Australia, other than at the grade of student
Member of the Association of Taxation and Management Accountants
Member of the Australasian Institute of Mining and Metallurgy
Member of the Australian Defence Force who is:
- (a) an officer; or
 - (b) a non-commissioned officer within the meaning of the Defence Force Discipline Act 1982 with 5 or more years of continuous service; or
 - (c) a warrant officer within the meaning of that Act
- Member of the Institute of Chartered Accountants in Australia, the Australian Society of Certified Practising Accountants or the National Institute of Accountants
Member of:
- (a) the Parliament of the Commonwealth; or
 - (b) the Parliament of a State; or
 - (c) a Territory legislature; or
 - (d) a local government authority of a State or Territory
- Minister of religion registered under Subdivision A of Division 1 of Part IV of the Marriage Act 1961
Notary public
Permanent employee of the Australian Postal Corporation with 5 or more years of continuous service who is employed in an office supplying postal services to the public
Permanent employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority; or
 - (c) a local government authority;
- with 5 or more years of continuous service who is not specified in another item in this list
Person before whom a statutory declaration may be made under the law of the State or Territory in which the declaration is made
Police officer
Registrar, or Deputy Registrar, of a court
Senior Executive Service employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority
- Sheriff
Sheriff's officer
Teacher employed on a full-time basis at a school or tertiary education institution

PART 5A APPOINTMENT OF PRINCIPAL CONTRACTOR

5A.1 APPLICATION OF PART 5A

This Part 5A applies if you have been appointed as principal contractor for the purpose of the WHS Legislation (refer to the Schedule). Part 5A.4 applies generally to the Contract.

5A.2 ENGAGEMENT AS PRINCIPAL CONTRACTOR

The Principal:

- (a) engages you as principal contractor;
- (b) authorises you to have management or control of the Works site; and
- (c) engages you to discharge the duties of a principal contractor under Chapter 6 of the *Work Health and Safety Regulation 2011 (ACT)*.

5A.3 PREPARATION OF AND COMPLIANCE WITH WHS MANAGEMENT PLAN

5A.3.1 You must:

- (a) prepare and supply to the Principal a WHS Management Plan; and
- (b) provide the WHS Management Plan before beginning work under the Contract.

5A.3.2 The Principal will notify you as to the suitability of the submitted WHS Management Plan. The WHS Management Plan will be taken as suitable if the Principal has not responded within 7 days.

5A.3.3 The acceptance by the Principal of your WHS Management Plan will not relieve you of your obligations to comply with and demonstrate compliance with this Contract and WHS Legislation.

5A.3.4 You must regularly review your WHS Management Plan and continue to update and amend it and submit it (as necessary) in accordance with this Contract and WHS Legislation.

5A.3.5 You must ensure all your employees, subcontractors and suppliers comply with the WHS Management Plan and any directions, notices or other notifications issued by you referable to work health and safety matters

5A.4 WHS MANAGEMENT PLAN

For the purpose of this Contract (including but not limited to this Part 5A) "WHS Management Plan" means a work health and safety management plan that addresses:

- (a) the names, positions and health and safety responsibilities of all persons at the workplace whose positions or roles involve specific health and safety responsibilities in connection with the work under the Contract;
- (b) the arrangements in place, or to be implemented, between any persons conducting a business or undertaking at the workplace where the work under the Contract is being undertaken, for consultation, cooperation and coordination of activities in relation to compliance with their duties under work health and safety legislation;

- (c) the arrangements in place, or to be implemented, for managing any work health and safety incidents that occur, including incident reporting procedures, corrective action procedures, record-keeping and reporting requirements (including project-specific and general reporting and reporting to the Principal with respect to work health and safety matters), project-specific emergency plans and first aid procedures;
- (d) any site-specific health and safety rules, and the arrangements for ensuring that all persons at the workplace are informed of these rules;
- (e) the arrangements for the collection and recording, and any assessment, monitoring and review of safe work method statements at the workplace;
- (f) ensuring that work health and safety is a compulsory agenda item at all monthly meetings (or equivalent) and ensuring that the outcomes of those agenda items are communicated to the Principal;
- (g) management of work health and safety generally, including any work health and safety policy, details of any work health and safety management system (including certification, inspection and audit programs), training and induction programs (including work health and safety generally, emergency procedures and use of emergency equipment), the process of communication and dispute resolution on work health and safety matters;
- (h) management of subcontractors, including induction, training, development of safe work method statements, job safety assessments or equivalent documentation, the obligation to consult, cooperate and coordinate activities, the process of communication and the process for ensuring subcontractor compliance with the WHS Management Plan;
- (i) management of project hazards and risks generally, including but not limited to work involving:
 - (i) fall hazards;
 - (ii) telecommunications towers;
 - (iii) demolition;
 - (iv) disturbance or removal of asbestos;
 - (v) structural alterations requiring temporary supports;
 - (vi) confined spaces;
 - (vii) excavation deeper than 1.5 metres;
 - (viii) tunnels;
 - (ix) use of explosives;
 - (x) pressurised gas distribution mains and consumer piping;
 - (xi) chemical, fuel and refrigerant lines;
 - (xii) electrical work, including involving energised electrical installations and services;
 - (xiii) hazardous atmospheres;
 - (xiv) tilt-up and precast concrete;

- (xv) roadways or railways used by road or rail traffic;
 - (xvi) movement of powered mobile plant;
 - (xvii) extremes of temperature;
 - (xviii) water or other liquids where there is a risk of drowning;
 - (xix) diving;
 - (xx) remote or isolated work;
 - (xxi) above-standard exposure to noise;
 - (xxii) other hazardous manual tasks;
 - (xxiii) exposure to falling objects;
 - (xxiv) abrasive blasting;
 - (xxv) hazardous chemicals and substances; and
 - (xxvi) working in the vicinity of electrical wires; and
- (j) if design forms part of the work under the Contract, proposed design risk assessments, purchasing policies for plant, materials and substances, the process for meeting statutory requirements regarding design and the process for addressing design changes relevant to work health and safety considerations.

PART 5B OBLIGATIONS IF NOT PRINCIPAL CONTRACTOR

5B.1 APPLICATION OF PART 5B

This Part 5B applies if you have not been appointed as principal contractor for the purpose of the WHS Legislation (refer to the Schedule).

5B.2 OBLIGATIONS IF NOT PRINCIPAL CONTRACTOR

Where you are not appointed as the principal contractor (or as the person with control of the site on which the Works are being conducted) you must, and you must ensure all your employees, subcontractors and suppliers, comply with:

- (a) the WHS Management Plan (if any) of the principal contractor, if appointed (or the person appointed by the Principal to have control of the site on which the Works are being conducted, if no principal contractor is appointed); and
- (b) directions, notices and any other notifications issued for or on behalf of the principal contractor (or the person appointed by the Principal to have control of the site on which the Works are being conducted, if no principal contractor is appointed) referable to work health and safety matters.

5B.3 WHS MANAGEMENT PLAN

5B.3.1 If you have been appointed to have control of the site on which the Works are being conducted (see Schedule), you must, unless advised otherwise by the Principal:

- (a) prepare and supply to the Principal a WHS Management Plan either as a discrete plan or as a component of the project plan;
- (b) provide the WHS Management Plan before beginning work under the Contract; and
- (c) ensure all your employees, subcontractors and suppliers comply with the WHS Management Plan and any directions, notices or other notifications issued by you referable to work health and safety matters.

5B.3.2 The Principal will notify you as to the suitability of the submitted WHS Management Plan. The WHS Management Plan will be taken as suitable if the Principal has not responded within 7 days.

5B.3.3 The acceptance by the Principal of your WHS Management Plan will not relieve you of your obligations to comply with and demonstrate compliance with this Contract and the WHS Legislation (if applicable).

5B.3.4 You must regularly review your WHS Management Plan and continue to update and amend it and submit it (as necessary) in accordance with this Contract and WHS Legislation (if applicable).



ACT
Government
Commerce and Works

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IMPORTANT NOTICE

ADDENDUM 1 TO TENDER NO. T22727.400 Armoured Cabling Works Northbourne Ave City

Please note the following additional information for the above Request for Tender (RFT):

1. The closing date for the receipt of tenders remains **2.00pm (Canberra Time) on Thursday 8 May 2014.**
2. Questions from tenderers and formal responses – Attachment 1

For further information, please contact me, as the contact officer who is also named on the cover page of this RFT.

Chris Deschamps
Street Light and Asset Acceptance Coordinator
Territory and Municipal Services Directorate
Chris.deschamps@act.gov.au
Ph: (02) 6207 6222

05 May 2014

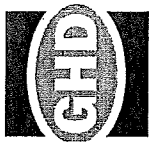
ADDENDUM 1 TO TENDER NO. T22727.400
Armoured Cabling Works Northbourne Ave City
Questions and Formal Responses

Q1

Is the Comms in the same alignment as the Streetlight conduit?

A1

Communications conduits can be installed in a common trench with street lighting conduits with a minimum separation of 300mm to be maintained between conduits.

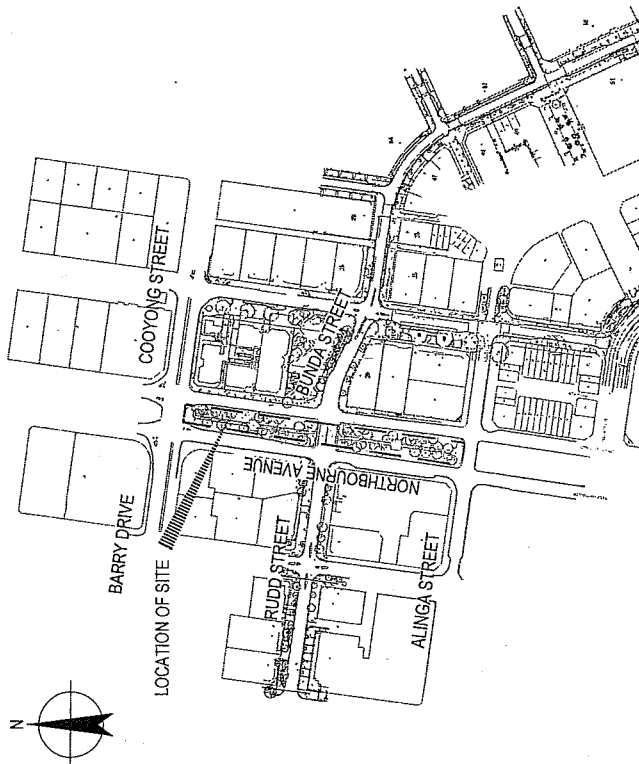


TERRITORY AND MUNICIPAL SERVICES

NORTHBOURNE AVENUE

PEDESTRIAN LIGHTING UPGRADE

28

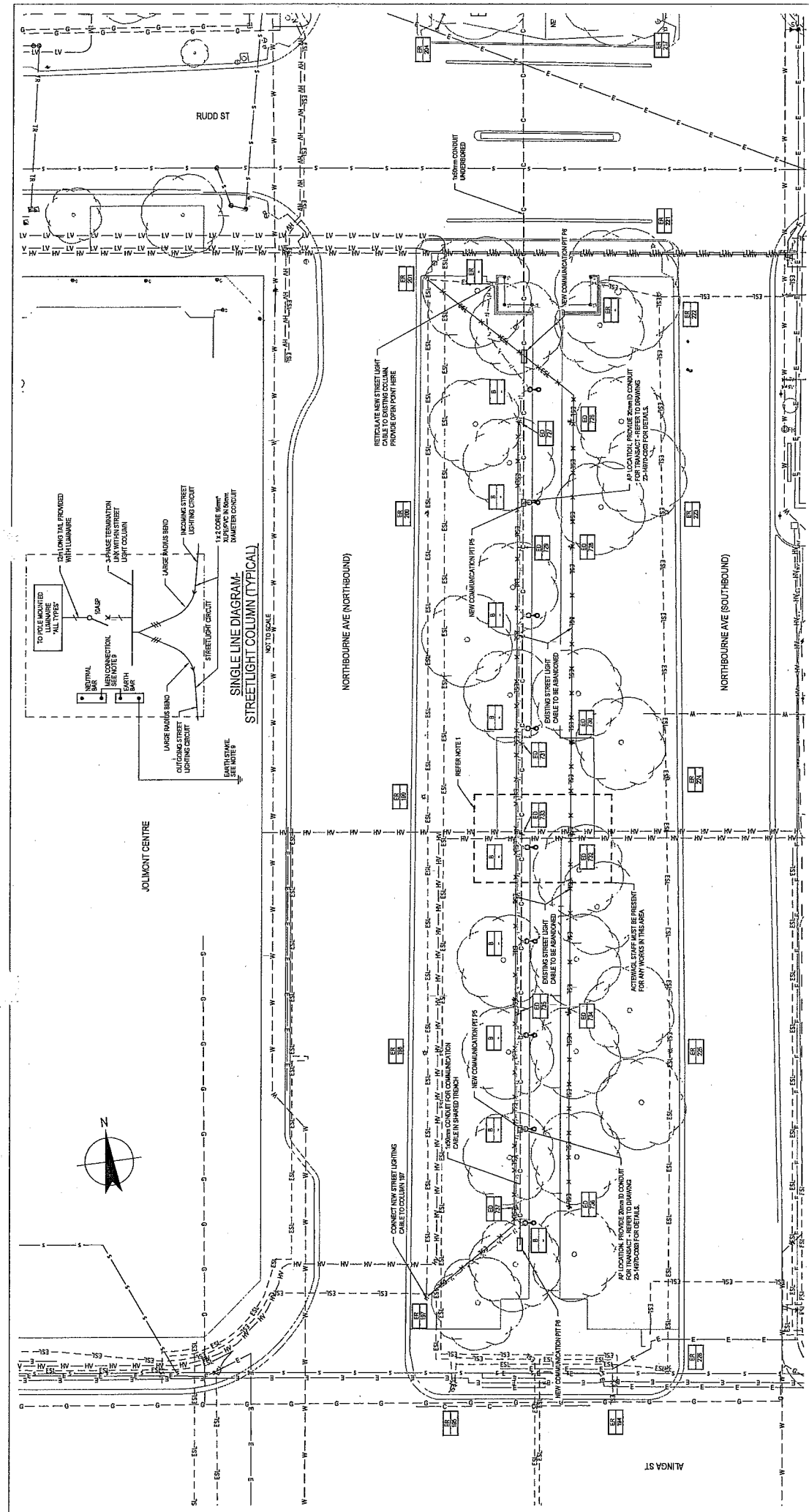


DRAWING NO	DRAWING TITLE
23-14970-C000	COVER PAGE
23-14970-C001	PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
23-14970-C002	PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2
23-14970-C003	LIGHTING DETAILS
23-14970-C004	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 1 OF 2
23-14970-C005	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 2 OF 2

<p>PRELIMINARY</p> <p>Client: TAMSD Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE Title: COVER PAGE</p>	
<p>Drawn: S. SCHEE Checked: P. EVANS Approved: P. EVANS Date: 09.03.14</p>	<p>Designer: M. WILLIAMS Design: P. EVANS Check: P. EVANS</p>
<p>DO NOT SCALE</p> <p>Conditions of Use: This document may only be used for the project and site for which it was prepared. It is not to be used for any other purpose, in whole or in part, without the prior written consent of GHD.</p>	
<p>Scale: A1 Drawing No: 23-14970-C000</p>	
<p>Scale: AS SHOWN Drawing No: 23-14970-C000</p>	
<p>Scale: AS SHOWN Drawing No: 23-14970-C000</p>	



No	Revision	Date	By	Check	Drawn
A	ISSUE FOR TENDER	09.03.14	P. EVANS	P. EVANS	P. EVANS



LEGEND

- NEW LOW VOLTAGE STREET LIGHT SUPPLY TO STREET IN XL PEVC BORE 40 UPVC CONDUIT
- EXISTING STREET LIGHT SUPPLY
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
- PROPOSED MULTIPURPOSE COLUMN WITH 4.27M METAL INHIRE MOUNTED 4.4 METRES HIGH WITH 1.6 METRES OUTREACH ARM
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE
- NEW CONDUIT FOR COMMUNICATION CABLE IN SHARED TRENCH
- NEW CONDUIT FOR COMMUNICATION CABLE UNDERBORN ACROSS ROAD STREET
- COMMUNICATION PIT PE
- COMMUNICATION PIT FS
- AP LOCATION PROVIDE 20mm TO CONDUIT FOR TRANSACT - REFER TO DRAWING 25-1100 FOR DETAILS
- ACTING STAKE MUST BE PRESENT FOR ANY WORKS IN THIS AREA

NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR BORING WORKS BEING UNDERTAKEN. UNDERGROUND CABLES BORE UP TO REFER TO SHEET 25-14970-001 FOR STREET LIGHT FOOTING DETAILS.
- ALL WORKS UNDERGROUND THREE DIRM LINE TO BE UNDERBORN ON UNDERBORN.
- CONTRACTOR TO CONTACT STAKEHOLDERS FROM BRUNNENBERG CONSULTING ENGINEERS FOR UNDERBORN SYSTEM WITHIN WORKING PRIOR TO COMMENCING WORK.
- CONTRACTOR TO CONTACT STAKEHOLDERS FROM BRUNNENBERG CONSULTING ENGINEERS FOR UNDERBORN SYSTEM WITHIN WORKING PRIOR TO COMMENCING WORK.
- ALIGNMENT OF COLUMNS SHALL BE DETERMINED AFTER INSPECTION OF THE EXISTING SERVICE LOCATIONS. THE FINAL ALIGNMENT OF COLUMNS SHALL BE DETERMINED AFTER INSPECTION OF THE SLOTS BY THE SUPERINTENDENT. CONTRACTOR TO SEEK APPROVAL FROM THE SUPERINTENDENT FOR FINAL ALIGNMENT PRIOR TO TENDERS.

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Scale: AS SHOWN

Client: TAMSD
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
Original No.: A1
Drawing No.: 23-14970-C001

Drawn: SCORPHE
Checked: J. EVANS
Approved: J. EVANS
Project Director: J. EVANS
Date: 02.10.13

Client: AS SHOWN
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE

Scale: AS SHOWN

Client: AS SHOWN
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
Original No.: A1
Drawing No.: 23-14970-C001

PRELIMINARY

CLIENT TAMSD
PROJECT NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
TITLE PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
ORIGINAL NO. A1
DRAWING NO. 23-14970-C001

DESIGNER SCORPHE
CHECKED J. EVANS
APPROVED J. EVANS
PROJECT DIRECTOR J. EVANS
DATE 02.10.13

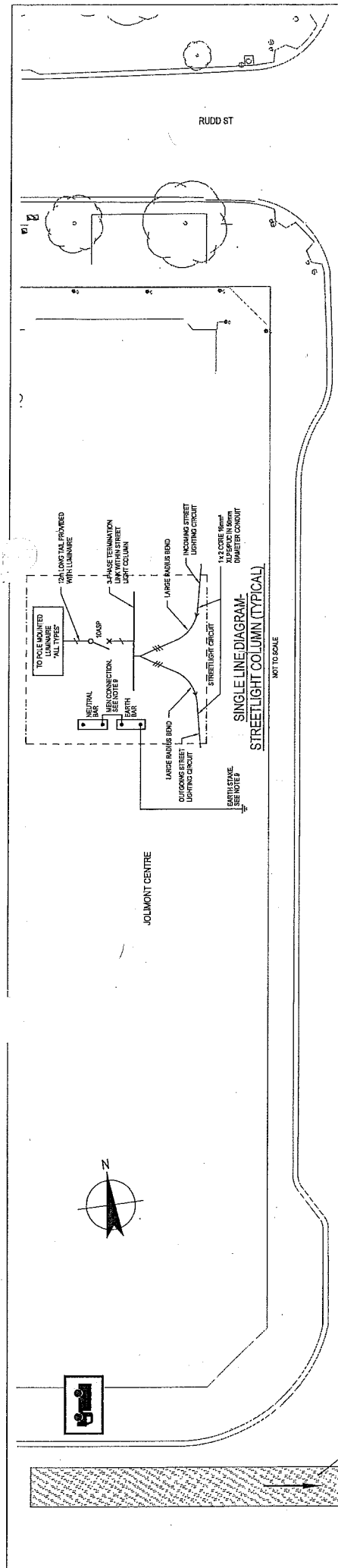
SCALE AS SHOWN

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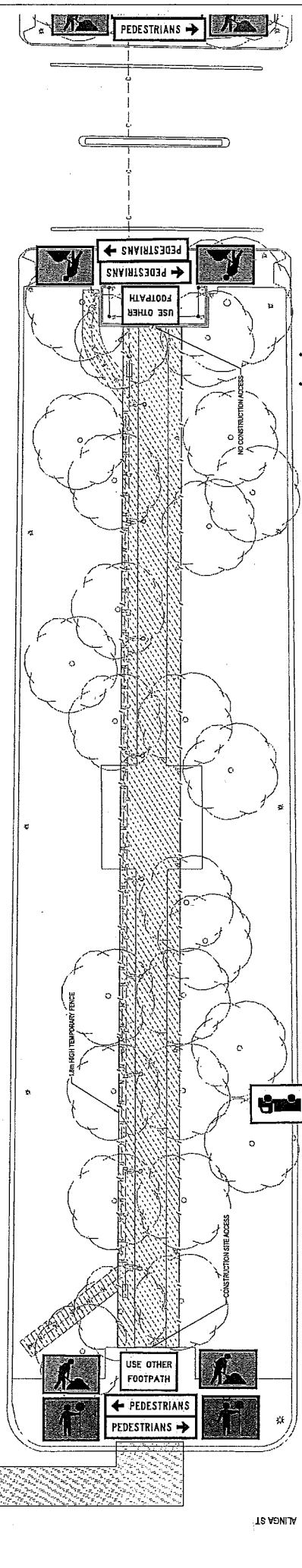
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CLIENT: AS SHOWN
PROJECT: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
TITLE: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
ORIGINAL NO.: A1
DRAWING NO.: 23-14970-C001

DATE: 3 March 2014 - 1:51 PM
PROJECT: VAN N



NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)

LEGEND

- WORKER T1.A
- TRUCKS CROSSING OR ENTERING T2.AS
- 1.5m HIGH TEMPORARY FENCE
- USE OTHER FOOTPATH
- PEDESTRIANS (LEFT ARROW) T2.A
- PEDESTRIANS (RIGHT ARROW) T2.A
- TRAFFIC CONTROLLER T1.A
- WORK ZONE - STAGE 1
- WORK ZONE - STAGE 2
- PREFERRED SITE ACCESS ROUTE

NOTES

1. NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS, OUTSIDE OF DESIGNATED TEMPORARY FENCE TO BE 1.5m HIGH TO MEET TTM AND TREE MANAGEMENT PLAN REQUIREMENTS.
2. TEMPORARY FENCE TO BE PRESENT AT ACCESS BAYS WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
3. WRITTEN AUTHORIZATION FROM ASSET ACCEPTANCE IS REQUIRED PRIOR TO ANY WORK AFFECTING THE TREE TRUNKS FACE REFER TO TREE MANAGEMENT PLAN FOR MORE DETAILS.
4. WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.
5. WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

PRELIMINARY

TAMS
NORTHBOURNE AVE PEDSTRIAN LIGHTING UPGRADE
CONCEPT TTM AND TREE MANAGEMENT PLAN
SHEET 1 OF 2

Client	Project	Title	Organisation
Designer: M.WILLIAMS	Design Check	Project Director: P. EVANS	Scale: AS SHOWN

DO NOT SCALE

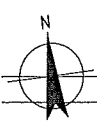
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Scale: AS SHOWN

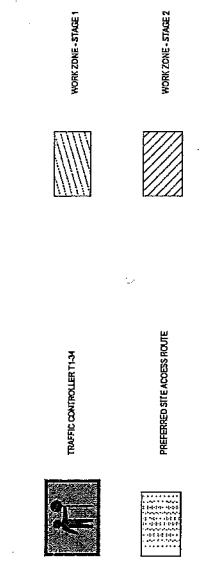
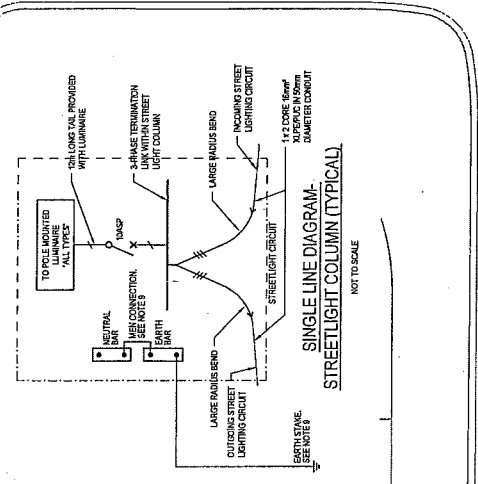
0 2 4 6 10m
 SCALE 1:500 AT ORIGINAL SIZE

No.	Revision	Date	By	Checked	Disc.
1	Issue for Tender	14/03/14	WV	PE	08.03.14

Plot No: 23-14970-C004
 Drawing No: 23-14970-C004
 Rev: A



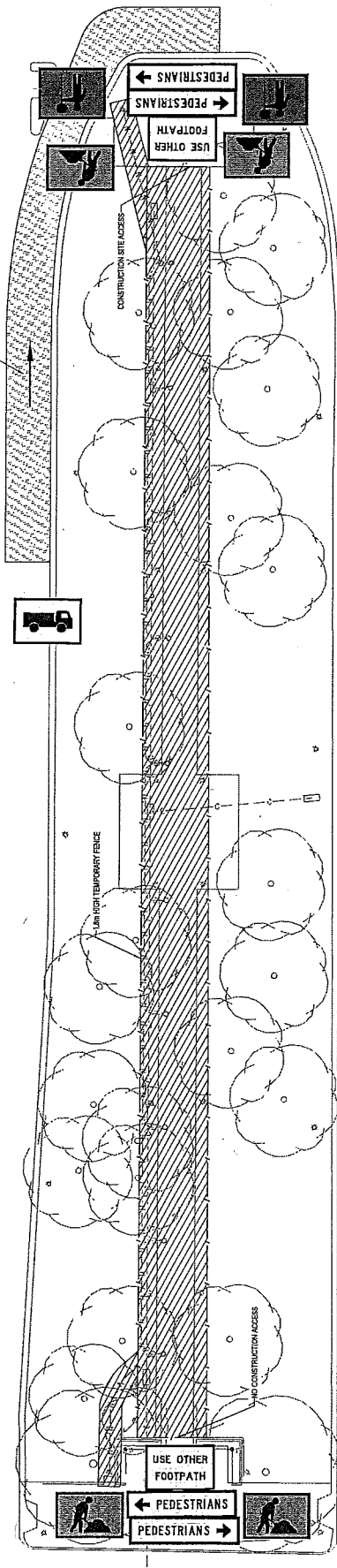
BARRY DRIVE



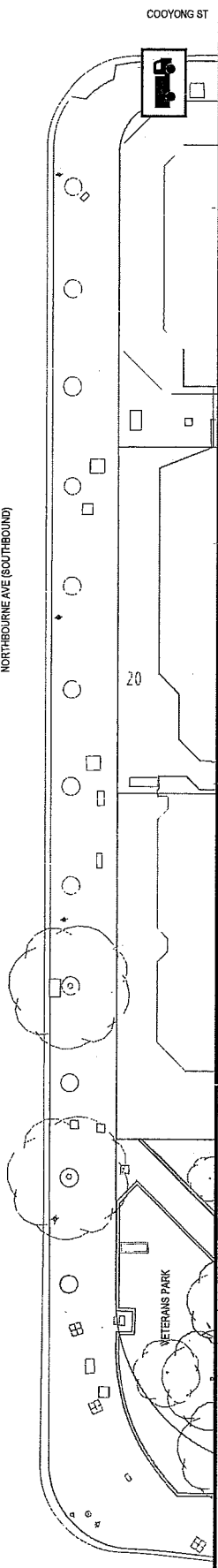
NOTES

1. NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS GATES.
2. ACCESS GATES TO BE 1.8m HIGH TO MEET T1-4 AND T1-4A REQUIREMENTS.
3. FLAGMEN TO BE PRESENT AT ACCESS GATES WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
4. CONSTRUCTION EQUIPMENT TO BE SECURED TO THE SIDE OF THE STREET AND NOT TO INTERFERE WITH THE TRAFFIC MANAGEMENT PLAN TO BE IMPLEMENTED FOR THE WORK SITE.
5. NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.8m HIGH TEMPORARY FENCE.
6. WORK IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)



PRELIMINARY

**TAMSID NORTHBOURNE AVE PIEDSTRIAN LIGHTING UPGRADE
CONCEPT TTM AND TREE MANAGEMENT PLAN
SHEET 2 OF 2**

Client	TAMSID		
Project	NORTHBOURNE AVE PIEDSTRIAN LIGHTING UPGRADE		
Title	CONCEPT TTM AND TREE MANAGEMENT PLAN		
Original No.	23-14970-C005		
Scale	AS SHOWN	Drawn	AS SHOWN
Check	P. EVANS	Checked	P. EVANS
Drawn	S. GREGG	Approved	P. EVANS
Project Director	P. EVANS		
Date	08.03.14		

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E enquiries@ghd.com.au www.ghd.com.au

REV	DATE	BY	CHKD	DESCRIPTION
1				
2				
3				
4				

ISSUE FOR TENDER

No. Revision: 1/04 - Issued for signature on original issue of drawings as per revision of drawing

Prepared By: N/A, N/A

Checked By: N/A, N/A

Scale: 1:200 AT ORIGINAL SIZE

Scale: AS SHOWN

Scale: 1:200 AT ORIGINAL SIZE

FILE 2014/13970

Document 27

Exempt

Section 43:

Documents relating to business affairs

Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:49 AM
To: Smith, Darren
Subject: FW: Northbourne Avenue Pedestrian Lighting
Attachments: Northbourne Ave Ped Lighting_BOQ V2.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Monday, 31 March 2014 11:52 AM
To: Deschamps, Chris
Cc: Peter Evans
Subject: Northbourne Avenue Pedestrian Lighting

Chris,

Further to our recent discussion regarding the Northbourne Avenue pedestrian lighting project. I've reviewed the pre-tender estimate previously provided and have adjusted the Lump Sum allowance for Pay Item 3.2 for the communications underbore under the Northbourne Avenue / Rudd Street intersection.

This had been estimated at \$25,000 for a length of approximately 50m, equating to a per metre rate of \$500/m. Based on prices received on recent tenders I believe a rate of \$300/m would be more appropriate resulting in a lump sum cost of \$15,000 ex. GST.

On this basis I've updated the pre-tender estimate to arrive at a total contract value of **\$195,875.22 including GST**. Separate to this, are you able to advise on a planned call tender date. Similarly are the selected tenderers previously recommended by Mark Williams agreed? (Ecowise, Acclaim Contractors, Simeonov)

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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This e-mail has been scanned for viruses

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PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management	Lump Sum	1.0	\$ 5,000.00	\$ 5,000.00
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0	\$ 10,000.00	\$ 10,000.00
1.3	Services clearances	Lump Sum	1.0	\$ 694.38	\$ 694.38
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0	\$ 1,000.00	\$ 1,000.00
	Total Preliminaries				\$ 16,694.38
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0	\$ 750.00	\$ 18,000.00
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, regbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0	\$ 4,000.00	\$ 4,000.00
2.4	Excavate by hydro excavation slots for all poles (1.2 linear metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0	\$ 1,300.00	\$ 24,700.00
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.6m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0	\$ 2,000.00	\$ 38,000.00
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	258.0	\$ 100.00	\$ 25,800.00
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0	\$ 10.00	\$ 4,590.00
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0	\$ 7,000.00	\$ 7,000.00
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0	\$ 3,000.00	\$ 3,000.00
	Total Street Lighting				\$ 133,090.00
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0	\$ 21.00	\$ 4,200.00
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0	\$ 15,000.00	\$ 15,000.00
3.3	Install new communication pit type P5 at AP location	No.	4.0	\$ 421.00	\$ 1,684.00
3.4	Install new communication pit type P6	No.	5.0	\$ 880.00	\$ 4,400.00
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ 28,284.00
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ 178,068.38
	GST			10%	\$ 17,806.84
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ 195,875.22

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Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:48 AM
To: Smith, Darren
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Ave City - Addendum No 1
Attachments: T22727.400 Armoured Cabling Works Northbourne Ave City_Addendum-No 1.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Monday, 5 May 2014 3:40 PM
Cc: Deschamps, Chris; Tharan, Sri
Subject: T22727.400 Armoured Cabling Works Northbourne Ave City - Addendum No 1

Dear Tenderer,

Please find attached Addendum No 1 for T22727.400 Armoured Cabling Works Northbourne Ave City.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931.866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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IMPORTANT NOTICE

ADDENDUM 1 TO TENDER NO. T22727.400 Armoured Cabling Works Northbourne Ave City

Please note the following additional information for the above Request for Tender (RFT):

1. The closing date for the receipt of tenders remains **2.00pm (Canberra Time) on Thursday 8 May 2014.**
2. Questions from tenderers and formal responses – Attachment 1

For further information, please contact me, as the contact officer who is also named on the cover page of this RFT.

Chris Deschamps
Street Light and Asset Acceptance Coördinator
Territory and Municipal Services Directorate
Chris.deschamps@act.gov.au
Ph: (02) 6207 6222

05 May 2014

ADDENDUM 1 TO TENDER NO. T22727.400
Armoured Cabling Works Northbourne Ave City
Questions and Formal Responses

- Q1** **Is the Comms in the same alignment as the Streetlight conduit?**
- A1** Communications conduits can be installed in a common trench with street lighting conduits with a minimum separation of 300mm to be maintained between conduits.

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Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:48 AM
To: Smith, Darren
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 Armoured Cabling Works Northbourne Ave City_Addendum No 1.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Monday, 5 May 2014 10:36 AM
To: Deschamps, Chris
Cc: Peter Evans
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City

Chris,

I received the query below from Ecowise on Friday regarding the Northbourne Avenue lighting tender and have prepared the attached Addendum in response.

Can you please confirm your approval for me to issue this to all tenderers on your behalf.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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From: Owen, Mick [<mailto:Mick.Owen@ecowise-services.com.au>]
Sent: Friday, 2 May 2014 9:46 AM
To: Tristan Yeats
Subject: RE: T22727.400 Armoured Cabling Works Northbourne Avenue City

Hi Tristan,

Our Civil contractor has asked for the following clarification, can you please advise ASAP.

Is the Comms in the same alignment as the Streetlight conduit?

Regards,

Mick Owen

Estimator

Projects Branch



www.ecowise-services.com.au

Ph 02 62857654

Fax 02 62805592

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]

Sent: Tuesday, 22 April 2014 5:10 PM

To: Hourigan, Doug

Cc: Owen, Mick; Chris Deschamps

Subject: T22727.400 Armoured Cabling Works Northbourne Avenue City

Doug,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

F: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au

Level 7, 16-Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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IMPORTANT NOTICE

ADDENDUM 1 TO TENDER NO. T22727.400 Armoured Cabling Works Northbourne Ave City

Please note the following additional information for the above Request for Tender (RFT):

1. The closing date for the receipt of tenders remains **2.00pm (Canberra Time) on Thursday 8 May 2014.**
2. Questions from tenderers and formal responses – Attachment 1

For further information, please contact me, as the contact officer who is also named on the cover page of this RFT.

Chris Deschamps
Street Light and Asset Acceptance Coordinator
Territory and Municipal Services Directorate
Chris.deschamps@act.gov.au
Ph: (02) 6207 6222

05 May 2014

ADDENDUM 1 TO TENDER NO. T22727.400
Armoured Cabling Works Northbourne Ave City
Questions and Formal Responses

Q1 **Is the Comms in the same alignment as the Streetlight conduit?**

A1 Communications conduits can be installed in a common trench with street lighting conduits with a minimum separation of 300mm to be maintained between conduits.

Bruan, Nicole

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:47 AM
To: Smith, Darren
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 FOR ISSUE.zip; T22727.400 Invitation to Tender - Acclaim.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Tuesday, 22 April 2014 5:10 PM
To: Ivan Potrebica
Cc: Deschamps, Chris
Subject: T22727.400 Armoured Cabling Works Northbourne Avenue City

Ivan,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:47 AM
To: Smith, Darren
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 FOR ISSUE.ZIP; T22727.400 Invitation to Tender - Acclaim.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Tuesday, 22 April 2014 5:09 PM
To: _____
Cc: Deschamps, Chris
Subject: T22727.400-Armoured Cabling Works-Northbourne Avenue City

Lazar,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0		\$ -
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0		\$ -
1.3	Services clearances	Lump Sum	1.0		\$ -
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0		\$ -
	Total Preliminaries				\$ -
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0		\$ -
2.3	Inspect and transport Principal-supplied light columns, luminaires, outreach arms, ragbolls and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0		\$ -
2.4	Excavate by hydro excavation slots for all poles (1.2 lineal metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0		\$ -
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0		\$ -
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0		\$ -
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0		\$ -
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0		\$ -
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0		\$ -
	Total Street Lighting				\$ -
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0		\$ -
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0		\$ -
3.3	Install new communication pit type P5 at AP location	No.	4.0		\$ -
3.4	Install new communication pit type P6	No.	5.0		\$ -
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ -
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ -
	GST			10%	\$ -
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ -

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PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0	\$	\$
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclist management, set up, maintenance and removal.	Lump Sum	1.0	\$	\$
1.3	Services clearance	Lump Sum	1.0	\$	\$
1.4	Other site protection measures as per site management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0	\$	\$
	Total Preliminaries				\$
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0	\$	\$
2.3	Inspect and transport principal supplied light columns, luminaires, outreach arms, mobile and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0	\$	\$
2.4	Excavate by hydro excavation slots for all poles (1.2 linear metres) to locate services to determine pole alignments. Slot to be 1.6m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0	\$	\$
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0	\$	\$
2.6	Excavate/trench backfill electrical conduits with draw wire to street lights. Alignment is determined only and will be determined on site with superintendent approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0	\$	\$
2.7	Reinstate 20' 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	469.0	\$	\$
2.8	Connect and commission lights to T&MS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0	\$	\$
2.10	W&E drawings to T&MS and ACTEW requirements	Lump Sum	1.0	\$	\$
	Total Street Lighting				\$ 8,000.00
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shamed trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0	\$	\$
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pit	Lump Sum	1.0	\$	\$
3.3	Install new communication pit type PS at AP location	No.	4.0	\$	\$
3.4	Install new communication pit type PS	No.	5.0	\$	\$
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ 3,000.00
	TOTAL CONSTRUCTION INCL. PS ITEMS (ex. GST)				\$ 11,000.00
	GST			10%	\$ 1,100.00
	LUMP SUM FEE INCL. PS ITEMS (inc. GST)				\$ 12,100.00

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TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel:(02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street
LYNEHAM ACT 2602



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SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02-6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK (‘the Works’)	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No	
Services Description:- Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include:	
<ul style="list-style-type: none"> • Mobilisation and site establishment. • Temporary traffic management for the works including submission and approval of plans. • Services clearances and locations. • Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. • The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. • The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. • Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. • Excavation/trenching and installation of electrical conduits with draw wire for new street lights. • Restoration of all disturbed area to match existing conditions. 	

<ul style="list-style-type: none"> • Inspection and transport of Principal supplied lighting equipment including rag bolts. • Excavation and construction of street light column footings including supply of reinforcement cages. • Assembly and erection of light poles including all fittings and rag bolts. • Reticulation of electrical cabling. • Connection and commissioning of lighting poles in conjunction with ACTEW. • Preparation of WAE drawings to TAMS and ACTEW requirements: • The works are to be staged and constructed to allow the following: <ul style="list-style-type: none"> - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public. - Stage Two is to commence immediately after Stage One is completed and has reached practical completion. • Liquidated Damages: \$2,500.00 per week. 	
TOTAL PRICE (GST Inclusive) (in words)	\$

WORK HEALTH AND SAFETY MATTERS	
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).	No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?	Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)	Yes
PRINCIPAL'S DETAILS	
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601
Telephone	02 6207 6222 or 0414 463 550
Facsimile	02 6207 6587
Email Address	<u>Chris.deschamps@act.gov.au</u>
Principal's Representative	Chris Deschamps – Street Light and Asset Acceptance Coordinator

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
Tenderer's Name (including ABN or ACN if a company) Address for the service of notices Telephone Facsimile Email Address	
	ACN/ABN
I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.	Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company Date

ACCEPTANCE OF TENDER	
Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.	Signature Date

PART 1. REQUEST FOR TENDER ("RFT") CONDITIONS

1.1. DEFINITIONS

In this document:

- a) "Conditions of Contract" means the conditions of contract set out in Part 2, Part 4, Part 5A and 5B of the Tender Documents and the Specifications.
- b) "Ethical Suppliers Declaration - Tender" or "Ethical Suppliers Declaration" means a declaration in the same form as that at Part 3 (or such other form as approved by the Principal from time to time and advised to You), which forms part of the Tender Documents.
- c) "IRE Certificate" has the same meaning as in the IRE Strategy.
- d) "IRE Strategy" means the Territory's *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects* as amended from time to time and any substituted policy or strategy of the Territory.
- e) "Principal" means the Territory or Territory authority named in the Schedule;
- f) "Principal's Representative" means the Territory officer or representative named in the Schedule;
- g) "Schedule" or "Contract Schedule" means the information set out under the heading "Contract Schedule".
- h) "Specifications" means the specifications, including any plans or drawings, for the Works attached to these Tender Documents;
- i) "Tender" means your tender for the carrying out of the Works including the Schedule and Ethical Suppliers Declaration - Tender as completed by you;
- j) "Tender Documents" means the Schedule, these RFT Conditions (Part 1), the proposed Conditions of Contract, the Ethical Suppliers Declaration and any Specifications;
- k) "Territory" means
 - i) when used in a geographical sense, the Australian Capital Territory; and
 - ii) when used in any other sense, the body politic established by section 7 of the *Australian Capital Territory (Self-Government) Act 1988* (Cwlth).;
- l) "WHS Active Certification Policy" means the Territory's WHS Active Certification Policy as amended from time to time and any substituted policy of the Territory;
- l) "Works" means the works specified in the Schedule; and
- m) "you and your" refers to the tenderer named in the Schedule.

- 1.2. Your Tender will be nonconforming if you do not have current **pre-qualification** for category R2 or higher in accordance with the Principal's pre-qualification procedures on or before the date and time for closing of tenders or if your pre-qualification lapses during the tender evaluation period. You are required to submit a copy of the pre-qualification certificate with your Tender.
- 1.3. By submitting your Tender **you acknowledge that you have read the proposed Conditions of Contract**. If the Principal accepts your Tender a legally binding contract will come into effect comprising the Conditions of Contract. Pay particular attention to the clauses dealing with insurance.
- 1.4. You must keep confidential all Tender Documents clearly identified as confidential and you must not copy the Tender Documents except for tendering purposes. Any **material submitted** as part of your Tender will remain or become the property of the Principal.
- 1.5. You must **submit your Tender** by using the Schedule and you must include a completed copy of the Ethical Suppliers Declaration - Tender. Your Tender must be placed in an envelope endorsed with the Tender Number and a clear description of the Works for which you are tendering and a copy of your current IRE Certificate.
- 1.6. **Tenders will not be considered** if they are lodged in the tender box after the date and time specified in the Schedule, except in accordance with the National Code of Tendering AS4120.

- 1.7. **Your Tender must address** the requirements set out in the Schedule; the Specifications for the Works; the proposed Conditions of Contract; and any other condition or requirement that forms part of this Tender Document.
- 1.8. **You must satisfy yourself that:**
- a) information in and the requirements of this Tender Document are correct and sufficient for you to properly prepare and submit your Tender, including the tendered price; and
 - b) your tendered price includes all the costs of complying with all obligations under the proposed Conditions of Contract.
- 1.9. **All fees and prices** quoted in your Tender must be **inclusive of GST** and you must identify the value of any GST-free input. Your Tender must **remain open for at least 90 days** from the closing date specified on the Schedule. You are responsible for all **costs, losses and expenses** incurred by you in preparing your Tender.
- 1.10. You must hold and maintain all appropriate **licences, permits, approvals and certificates** to carry out the provision of the Works, you must produce evidence of those licences, permits, approvals and certificates as requested by the Principal.
- 1.11. You must, if required by the Principal, provide **additional information** to allow full consideration of your Tender. The Principal reserves the right to negotiate variations to the Conditions of Contract and/or Specifications with the preferred tenderer after tenders have been lodged.
- 1.12. **Tenders will be assessed** on the basis of best value for money and not necessarily the lowest priced tender. The Principal is not obliged to select any tender and may accept part of your Tender. In assessing your Tender the Principal may consider information from any Commonwealth, State or Territory agency, any referee or other reputable source in addition to all information supplied by you in support of your Tender. The Principal may, if your Tender is non-conforming, reject your Tender; ignore the non-conformance or allow you to correct the non-conformance.
- 1.13. In determining the **'value for money'** of your Tender the Principal may consider the following: your ability to undertake the Works; your past performance; your tendered price, your Work Health and Safety record and any other matters set out in the *Government Procurement Act 2001* (ACT) and any associated ACT Government policies.
- 1.14. The Principal is committed to ensuring that suppliers and their subcontractors meet all of their **employer and industrial obligations**, in the performance of any contract for works or services that will require the exertion of labour by employees. The Ethical Suppliers Declaration must be completed and returned with your Tender. The Principal must have regard to probity and ethical behaviour in pursuing value for money in accordance with the *Government Procurement Act 2001* (ACT).
- 1.15. Your Tender may not be considered further if you fail to provide a completed Ethical Suppliers Declaration. The Principal may choose not to consider your Tender further if you fail to provide a copy of your current IRE Certificate. In having regard to matters of probity and your ethical behaviour the Principal may provide your Ethical Suppliers Declaration to regulatory bodies and/or non government organisation (including Unions ACT) for comment, and have regard to the comments provided.
- 1.16. If your Tender is:
- a) at variance with or does not respond to or does not fully comply with any requirement of this RFT; or
 - b) incomplete, contains erasures or is illegible,
- it may be deemed nonconforming.
- 1.17. The Principal may at its absolute discretion, in respect of your Tender if it is nonconforming or if it has been deemed nonconforming by the Principal:

- a) reject and not further consider the Tender;
 - b) ignore any non-conformance in the Tender; or
 - c) if it is possible to correct the non-conformance without affecting the probity of the tender process, permit you to do so.
- 1.18 The Principal will not enter into a contract with you if you are named by the Workplace Gender Equality Agency as an employer currently not complying with the *Workplace Gender Equality Act 2012* (Cth).
- 1.19 **Your Tender will only be accepted** if an officer of the Principal supplies you by facsimile, post email or hand with a notice in writing indicating acceptance of your Tender or provides you with a photocopy of your Schedule bearing the original signature of an officer of the Principal. No legal obligations will arise between the parties in respect of the Works unless your Tender is accepted in this manner.
- 1.20 You acknowledge the Principal may be required to **disclose information**, under the *Freedom of Information Act 1989* (ACT), the *Auditor-General Act 1996* (ACT), the *Government Procurement Act 2001* (ACT) (**Procurement Act**), under other laws applicable in the Australian Capital Territory or by the responsible Minister in the Legislative Assembly.
- 1.21 In giving effect to the principles of open and accountable government, the Principal may disclose documents and information unless it has otherwise agreed, or is otherwise required under law, to keep the information confidential. In accordance with those principles, this Contract may be a notifiable contract under the Procurement Act and, if so, the Territory will be required to make the text of this Contract available to the public, including by publication on a public contracts register.
- 1.22 Your attention is drawn to Division 3 of the Procurement Act. You may request, as part of your tender response, that certain information contained in your Tender or the Conditions of Contract be treated as confidential text for the purpose of the Procurement Act. If you wish to make such a request you should identify the text you seek to be identified as confidential and the relevant ground or grounds you propose the Principal may rely upon as set out in section 35 of the Procurement Act. If the Principal agrees to the identification of any of the proposed text as confidential text for the purpose of the Procurement Act clause 1.23 will apply.
- 1.23 Except as provided in the Contract, the Principal must not disclose any agreed confidential text to any person without your prior written consent (which consent will not be unreasonably withheld) except to the extent that confidential text:
- a) is required or authorised to be disclosed under law;
 - b) is reasonably necessary for the enforcement of the criminal law;
 - c) is disclosed to the Principal's solicitors, auditors, insurers or advisers;
 - d) is generally available to the public;
 - e) is in the possession of the Principal without restriction in relation to disclosure before the date of receipt from you;
 - f) is disclosed by the responsible Minister in reporting to the Legislative Assembly or its committees; or
 - g) is disclosed to the ombudsman or for a purpose in relation to the protection of public revenue.

PART 2. CONDITIONS OF CONTRACT

If your Tender is accepted, the following conditions (and those in Parts 4, 5A and 5B) together with the Schedule and any Specifications and the requirements of all addenda issued will constitute the contract between you and the Principal.

2.1. In these Conditions of Contract:

“Contract” means and comprises the Schedule (as completed by you and signed by the Territory’s delegate), the conditions of contract set out in Parts 2, 4, 5A and 5B and any Specifications;

“Contract Price” means the total price specified in the Schedule;

“Defects Liability Period” means the period from the acceptance of the Works by the Principal as being satisfactorily completed until the end of the defects liability period specified in the Schedule;

“Ethical Suppliers Declaration - Contract” means a declaration in the same form as that set out in Part 4 and entitled “Ethical Suppliers Declaration –Contract” (or such other form as approved by the Principal from time to time and advised to You).

“IRE Certificate” has the same meaning as in the IRE Strategy.

“IRE Strategy” means the Territory’s *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects* as amended from time to time and any substituted policy or strategy of the Territory.

“

“WHS Legislation” means:

- a) the *Work Health and Safety Act 2011 (ACT)*;
- b) the *Work Health and Safety Regulation 2011 (ACT)*;
- c) all instruments issued under the *Work Health and Safety Act 2011* or the *Work Health and Safety Regulation 2011*;
- d) all laws that replace the above laws; and
- e) all other laws applicable in the Australian Capital Territory dealing with work health and safety matters.

references to “you” includes your employees, agents or subcontractors;

words importing a gender include the others; words in the singular number include the plural and vice versa; and references to legislation or to provisions in legislation include references to amendments or re-enactments of them and to all regulations and instruments issued under the legislation; and

an obligation imposed by the Contract on more than one person binds them jointly and severally.

2.2. You must commence and complete the Works in accordance with the Specifications and the timeframes set out in the Schedule.

2.3. You must observe and comply with all Acts, ordinances, regulations, and other requirements of any law in force in the place where the Works are to be executed. You bear the whole risk of complying with all applicable legislation and law until the Works have been completed to the satisfaction of the Principal.

2.4. All materials and workmanship must be in accordance with the Specifications or if not fully described in the Specifications, in accordance with the recognised industry or trade standards. If

the Principal is of the opinion that any materials or part of the Works, are unsatisfactory or are defective during the Defects Liability Period, the Principal may direct you to remove, and/or correct those works or materials at your expense.

- 2.5. The Principal will only **pay** you the **Contract Price** by Electronic Funds Transfer (EFT) following its receipt of a correctly rendered tax invoice approved by the Principal.
- 2.6. A **tax invoice** is correctly rendered if it includes:
- a) the Principal's reference number and the contract number;
 - b) the amount due to you and the basis for the calculation of that amount;
 - c) the amount of any GST paid or payable by you in respect of the Works;
 - d) the date of delivery and a description of the Works to which the invoice relates;
 - e) if a discount is applicable, the discounted price; and
 - f) your address for payment.
- 2.7. **During the Defects Liability Period** you must **make good at your expense** all defective work or materials, all damage to or destruction of the Works and all other loss caused by faulty work or materials.
- 2.8. Provided the Works are carried out in accordance with the Contract, the Principal will pay you **progress payments** representing 97.5% of the Contract Price for satisfactory work done at or before the commencement of the Defects Liability Period. The remaining 2.5% of the Contract Price will be paid to you when:
- a) the Defects Liability Period has ended; and
 - b) you have rectified any defects in the Works that have been identified before the end of the Defects Liability Period and all of your obligations in relation to the making good of defects have been fulfilled.
- Any payment by the Principal under this clause will not prejudice any other legal right the Principal may have against you for breach of the Contract.
- 2.9. The Principal may **vary the Works** specified or require the substitution of alternative materials for the Works. The Principal will adjust the Contract Price as a result of any variation. The amount of the variation of the Contract Price will be as agreed by the parties. If the parties do not agree on the amount of the variation, the Principal will determine the reasonable cost of the variation to the Works.
- 2.10. You will carry out the Works during the **customary working hours** Monday to Friday. All proposed work outside those hours must be approved in advance by the Principal.
- 2.11. The Principal may **terminate the Contract** at any time by written notice if you:
- (a) fail to commence the Works within the time specified in the Schedule, or within 14 days of the date the Principal notified acceptance of your Tender;
 - (b) fail to carry on the Works at a rate of progress satisfactory to the Principal;
 - (c) fail to carry out any instruction of the Principal in respect of the Works;
 - (d) fail to complete the whole of the Works within the time specified in the Schedule or such extended time as the Principal may approve;
 - (e) are or become bankrupt or insolvent, enter into voluntary administration or make any arrangement with your creditors or take advantage of any statute for the relief of insolvent debtors; or
 - (f) fail to remedy a breach of a term of the Contract within the period specified in a written notice by the Principal;
 - (g) fail to provide an Ethical Suppliers Declaration – Contract in accordance with Part 4;
 - (h) make a false declaration in an Ethical Suppliers Declaration - Contract supplied in accordance with Part 4; or
 - (i) become the subject of an Adverse Ruling (see Part 4).
- 2.12. If the **Principal terminates the Contract** under the clause above, it may by written notice:

- a) take over the Works; and
- b) take possession and ownership of all materials on or about the Works site which are your property and have been provided by you for the purpose of carrying out the Works,

then **all losses, costs, charges and expenses incurred** or sustained by the Principal in completing the Works will be recoverable from you and, without limiting any other right the Principal may have, may be offset against any amount subsequently due to you from the Principal. Nothing in this clause prejudices any other right or remedy of the Principal in respect of your breach of the Contract.

- 2.13. You must comply with all reasonable **directions** given by the Principal in relation to the Works. The Principal may nominate a third party to give directions in relation to the Works. The Principal will notify you of that person.
- 2.14. You must ensure that **all persons employed** in carrying out the Works, whether they are your employees or a subcontractor's, are paid at the rates and employed under conditions of employment not less favourable than those required by any law or certified agreement applicable to you or your subcontractor and those employees are paid their correct superannuation entitlements.
- 2.15. RESERVED.
- 2.16. RESERVED.
- 2.17. RESERVED.
- 2.18. You must take out and keep current **workers compensation insurance** for any person employed in respect of the Contract and you must produce evidence of the currency of any such policy if requested by the Principal.
- 2.19. The Principal has arranged policies ("Policies") for insurance of the Works and for \$20 million Public Liability insurance through Marsh Pty Ltd. The insurer is CGU Insurance Ltd and the details of the Policies are as follows:
 - (a) Works insurance – policy number 01D1170889; and
 - (b) Public Liability insurance – policy number 10M6117587.

The Principal will maintain the Policies while the Contractor has an interest in them, and the Principal will pay all the premiums. A copy of the policy may be obtained from Shared Services Procurement at Level 3 Annexe, 12 Wattle Street Lyneham, ACT. The Principal will maintain the Policy until you have completed your obligations under the Contract and the Principal will pay all the premiums. The policy insures the ACT Government, you and other relevant parties, including all contractors, subcontractors, construction managers and project managers. You will be liable for the excesses detailed in the policy.

- 2.19. You must, as soon as practicable, inform Marsh Pty Ltd in writing at either address given below of **any occurrence that may give rise to a claim** under the policy; Level 5, 60 Marcus Clarke Street Canberra ACT 2601 or GPO Box 306 Canberra ACT 2601 Telephone (02) 6279 3300, Facsimile (02) 6279 3320. You must ensure that subcontractors engaged in carrying out the Works similarly inform Marsh Pty Ltd.
- 2.20. You must ascertain whether you require any **additional insurance** in relation to the Contract. The existence of the policy does not relieve you of any obligation under the Contract or limit your liability to any third parties.
- 2.21. If requested by the Principal you must prepare and provide to the Principal an **Environmental Management Plan** ("EMP") before commencing the Works. The EMP must be to the reasonable satisfaction of the Principal. The Principal may require you to amend the EMP.
- 2.22. The **Works site** may be **occupied by other parties**. The Principal or other contractors may restrict your access to the Works site due to their occupation of the Works site.

You must:

- a) liaise with the Principal's Representative having primary control of any Works site or location to gain site access to carry out the Works; and
- b) take into account the occupants of the Works site and liaise with them in relation to site safety and the protection/exclusion of site occupants.

2.23. RESERVED

2.24. You must:

- a) comply with the WHS Legislation as well as all safety plans endorsed by the Principal for the Works;
- b) ensure that members of the general public at or near the Works site are not exposed to risk to their health or safety arising from your carrying out of the Works;
- c) comply with your obligation under the WHS Legislation to consult, cooperate and coordinate activities with all persons who have a work health and safety duty in relation to the same matter;
- d) institute and maintain systems to obtain regular written assurances from all subcontractors and other entities engaged to perform on the Works site about their ongoing compliance with the WHS Legislation including the due diligence obligation contained in the WHS Legislation;
- e) provide the written assurances obtained under paragraph d) of this clause together with written assurances from you about your ongoing compliance with WHS Legislation to the Principal;
- f) provide the Principal with a written report on all work health and safety matters, or any other relevant matters including a summary of your compliance with WHS Legislation, at least once per month, and at other times as requested;
- g) exercise a duty of utmost good faith to the Principal in carrying out the Works to enable the Principal to discharge the Principal's duties under the WHS Legislation;
- h) ensure that if any law requires that a person:
 - i) be authorised or licensed (in accordance with WHS Legislation) to carry out any work at a workplace, the person is so authorised or licensed and complies with any conditions of such authorisation or licence; or
 - ii) has prescribed qualifications or experience, or if not, is supervised by a person who has prescribed qualifications or experience (as defined in the WHS Legislation), that person has the required qualifications or experience or is so supervised;
- i) ensure that if any law requires that a workplace, plant or substance, or work (or class of work) be authorised or licensed, that workplace, plant or substance, design or work is so authorised or licensed;
- j) not direct or allow a person to carry out work, or use plant or a substance at a workplace unless the authorisation, licensing, prescribed qualifications or experience required by any law and paragraphs h) and i) of this clause are met;
- k) if requested by the Principal or required by WHS Legislation, produce evidence of any approvals including any authorisations, licences, prescribed qualifications or experience, or any other information relevant to work health and safety (as the case may be) to the satisfaction of the Principal before you or any subcontractors commence such work;
- l) systematically manage your work health and management processes in accordance with the systems, plans, standards and codes specified in the Contract and the WHS Legislation;
- m) demonstrate to the Principal, whenever requested, that you have met and are meeting at all times, your obligations under this Contract with regard to work, health and safety matters but such demonstration does not relieve you of your obligation to perform work safely;

- n) take all reasonable actions and comply with all reasonable requests of the Principal, or its authorised persons regarding any safety audits in respect of the site on which the Works are performed;
 - o) Without limiting paragraph n), at all reasonable times, allow the Principal or any person authorised by the Principal:
 - i) to enter upon the site where the Works are being performed to conduct a safety audit;
 - ii) to enter upon the site where the Works are being performed or any premises occupied by you to inspect and copy any records relevant to a safety audit; and
 - iii) to enter upon the site where the Works are being performed or any premises occupied by you to interview any person as part of a safety audit; and
 - p) provide reports on work health and safety matters to the Principal in such form and at such times as reasonably required by the Principal and advised to you.
- 2.25. If the Principal reasonably considers that a risk of injury to people or damage to property is arising or likely to arise from your activities (or any of your subcontractors) the Principal may direct you (or the relevant subcontractor) to change your (or its) manner of working or cease working and you or the subcontractor must comply.
- 2.26. The Principal may take any action necessary to protect the Works and other property or to prevent or minimise risk to health and safety of persons, which you must take but do not and the Principal may recover any costs associated with such action from you.
- 2.27. In this clause, "regulator" and "notifiable incident" have the same meaning as in the *Work Health and Safety Act 2011* (ACT).
- In addition to any obligations under WHS Legislation, you must:
- a) notify the Principal of any notifiable incident immediately after you notify the regulator;
 - b) provide the Principal with copies of all written notifications and/or details of any verbal notifications given to the regulator (as applicable) immediately after providing the same to the regulator.
- 2.28. In addition to the obligations under the preceding clause, you must promptly notify the occurrence and furnish a written report to the Principal of:
- a) incidents resulting in damage to property;
 - b) incidents resulting in significant delays to the Works;
 - c) incidents resulting in injury or illness other than a notifiable incident; and
 - d) incidents that may have resulted in or may result in any incident set out in paragraphs a), b), or c) above or a notifiable incident.
- 2.29. In this clause "improvement notice", "infringement notice", "non-disturbance notice", "notice of entry" and "prohibition notice" have the same meaning as in the *Work Health and Safety Act 2011* (ACT)
- You must immediately notify the Principal upon becoming aware of the issue of any improvement notice, infringement notice, non-disturbance notice, notice of entry or prohibition notice referable to the site on which the Works are being performed and provide the Principal with a copy of the relevant notice if you have the same.

2.30. In this clause "provisional improvement notice" has the same meaning as in the *Work Health and Safety Act 2011 (ACT)*

You must promptly notify the Principal upon becoming aware of the issue of any provisional improvement notice referable to the site on which the Works are being performed and provide the Principal with a copy of the relevant notice if you have the same.

2.31. a) In this clause, unless otherwise stated, capitalised words and phrases have the same meaning as in the Australian Capital Territory's WHS Active Certification Policy (as amended from time to time).

b) Without limiting any other part of this Contract where you:

- i) are prequalified under a Prequalification Scheme at the date of this Contract;
- ii) become prequalified under a Prequalification Scheme during the term of this Contract; or
- iii) have your prequalification status under a Prequalification Scheme cancelled, suspended or downgraded during the term of the Contract, the WHS Active Certification Policy will apply. To the extent necessary to give effect to the WHS Active Certification Policy its provisions are incorporated by reference into this Contract.

c) You will pay to the Principal by way of reimbursement the Auditor's costs associated with the conduct of any Follow Up Audit (required as a result of your actions or inaction) and any Close Out Audit conducted under the WHS Active Certification Policy.

d) Unless otherwise agreed by the parties, the costs of the Auditor referred to in clause 2.31c) will be paid by you to the Principal way of a deduction from an amount or amounts claimed by you in any claim for payment made under this Contract, at absolute discretion of the Principal.

e) Where all or part of the costs of the Auditor are not paid to the Principal in accordance with clause 2.31d) any amount outstanding will be a debt due and payable by you to the Principal.

2.32 Where you have been appointed as principal contractor for the purpose of the WHS Legislation Part 5A will also apply. Where you have not been appointed a principal contractor for the purpose of the WHS Legislation Part 5B will apply.

2.33 If requested by the Principal, you must arrange testing of any material or work comprising the Works. **All testing** under the Contract must be carried out by a laboratory which is registered with the National Association of Testing Authorities.

2.34 If at any time you become aware of the presence on the Works site of any loose fibrous matter which may contain **asbestos**, or any other potentially dangerous chemicals or articles, you must:

- a) not disturb the material or article and must immediately notify the Principal; and
- b) ensure that all employees, subcontractors and members of the public are protected from exposure to the material or article until the nature of the material has been assessed by the appropriate authority and directions issued to you in respect of further action to be taken.

- 2.35 You must make good at your expense all fencing, roads, footpaths and surfaces which may be disturbed by you in carrying out the Works leaving the Works site and adjacent areas in the same state of repair as they were in when you commenced the Works; and remove from the Works site all rubbish, debris and waste resulting from you carrying out the Works, as directed by the Principal up to the end of the Defects Liability Period.
- 2.36 Despite any difference or dispute ("**Dispute**") between the parties arising in relation to the Contract or the Works, each party will continue to perform their obligations under the Contract. The parties agree that, following the issue of a dispute notice, they will endeavour to resolve the Dispute by negotiations, including by referring the Dispute to persons who have authority to intervene and direct some form of resolution.
- 2.37 You **indemnify** the Principal, its employees and agents against all claims, costs and expenses and for all loss, damage, injury or death to persons or property caused or contributed to by you, your employees, agents or contractors in connection with carrying out the Works except to the extent that the Principal caused the relevant loss, damage or injury. This indemnity survives the expiration or earlier termination of the Contract.
- 2.38 You may not without the prior written approval of the Principal **assign the Contract**, or assign, mortgage, charge or encumber any of the moneys payable under the Contract or any other benefit whatsoever arising under the Contract.
- 2.39 Any **material provided by the Principal** to you for the purposes of the Contract ("**Material**") will remain the property of the Principal and you must use and be responsible for the safekeeping and maintenance of that Material only for carrying out the Works. You must return all Material at the expiry or early termination of the Contract.
- 2.40 You **warrant** that, at the date of entering into the Contract, no **conflict of interest** exists or is likely to arise in the carrying out of the Works and of your other obligations under the Contract. If, a conflict or risk of conflict of interest arises, you will notify the Principal immediately in writing and will comply with any requirement of the Principal to eliminate or otherwise deal with that conflict or risk of conflict.
- 2.41 You warrant that you have not entered into any **collusive arrangement** in relation to the Works or your Tender for the Works. You must comply with the National Code of Practice for the Construction Industry in relation to such arrangements and must comply with all other requirements of the Code.
- 2.42 You must not **represent** yourself as being employees, partners or agents of the Principal. Nothing in this Contract creates any employment, partnership or agency for any purpose.
- 2.43 You must, when using the Principal's premises or facilities, comply with all **security and office regulations** as notified by the Principal.
- 2.44 The Contract comprises the **entire agreement** between the parties in relation to the Works and supersedes any prior representations, negotiations, writings, memoranda and agreements. The Contract may only be varied by the written agreement of the parties.
- 2.45 Any **notice**, or other communication required or otherwise to be given or sent to the Principal or to you under the Contract must be in writing and will be deemed to have been given: if delivered by hand, upon delivery; if sent by prepaid mail, upon the expiration of two days after the date on which it was so sent; if sent by facsimile, upon the sender's facsimile machine recording that the facsimile has been successfully and properly transmitted to the recipient's address; if sent by electronic mail, upon the sender's computer recording that the message has been successfully transmitted to the recipient's electronic mail address, to the persons and addresses, facsimile numbers or email addresses set out in the Schedule or on such other person, address, facsimile number or email address as may be notified by a party to the other from time to time.
- 2.46 Any **provision of the Contract** which is illegal, void or unenforceable will not affect the validity of the remaining provisions of the Contract.

- 2.47 The **Contract is governed by and construed** in accordance with the law for the time being in force in the Territory and the parties submit to the jurisdiction of the courts of the Australian Capital Territory. You must ensure that you comply with the laws from time to time in force in the Territory in performing its obligations under the Contract.
- 2.48 Parts 4, 5A and 5B form part of the Conditions of Contract.
- 2.49 The Principal may from time to time advise you of the appointment of a Principal's representative who will act as the agent of the Principal under the Contract (subject to such limits as advised by the Principal to you).

SPECIFICATIONS

This Contract uses ACT Standard Specification for Urban Infrastructure Works Edition 1 Revision 0 September 2002 (ACT Standard Specification):

The text of the ACT Standard Specification is not included in this document. The ACT Standard Specification may be obtained from:

Roads ACT
Territory & Municipal Services Directorate
Level 7, Macarthur House
12 Wattle Street, Lyneham ACT 2602
Phone: 6207 6868

AND

The Technical Exception Clauses set out in the attached document "Northbourne Avenue Pedestrian Lighting Upgrade – Technical Exception Clauses – Street Lighting, April 2014"

AND

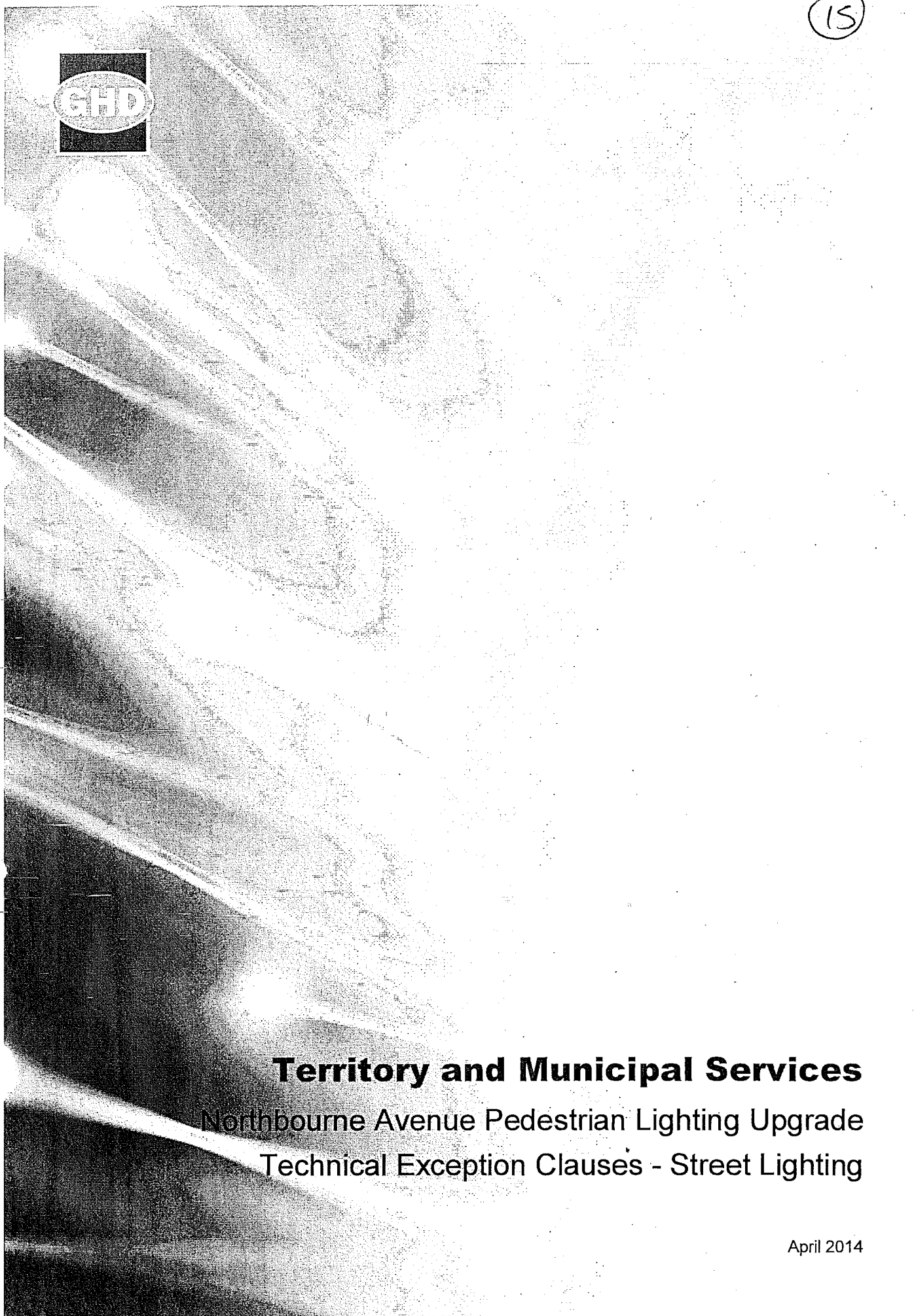
The attached document "Northbourne Avenue Pedestrian Lighting Upgrade – Tree Management Plan, February 2014"

AND

Drawings as follows:

- 23-14970-C000-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Cover Page"
- 23-14970-C001-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Pedestrian Lighting Layout – Sheet 1 of 2"
- 23-14970-C002-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Pedestrian Lighting Layout – Sheet 2 of 2"
- 23-14970-C003-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Lighting Details"
- 23-14970-C004-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Concept TTM and Tree Management Plan Sheet 1 of 2"
- 23-14970-C005-Revision A "Northbourne Ave Pedestrian Lighting Upgrade – Concept TTM and Tree Management Plan Sheet 2 of 2"

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Territory and Municipal Services

Northbourne Avenue Pedestrian Lighting Upgrade
Technical Exception Clauses - Street Lighting

April 2014

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14. STREET LIGHTING

This specification shall be read in conjunction with the Territory and Municipal Services (TAMS) standard specification for Urban Infrastructure works – Street Lighting Section 14 and the street lighting drawings.

14.1 Scope

Delete Clause 14.1 and replace with:

This specification set outs the minimum requirements for the supply, installation, commissioning and testing of Category P “Pedestrian area lighting” for the proposed lighting upgrade along the pedestrian footpath in Northbourne Avenue median, from Alinga Street to Barry Drive, Canberra ACT.

The works shall include the installation of the following:

- Supply and Installation 4.5m poles as specified on the drawings on ragbolt assemblies as defined in the Design Standards for Urban Infrastructure - Section 12 including concrete footing for street lighting columns.
- Supply and installation of Sylvania Elipt post top luminaires,
- Supply and installation of street lighting cables;
- Provide trenching and under-boring where nominated;
- Restoration of all disturbed surfaces
- Works to be conducted in accordance with the Tree Management Plan;
- Warranty; and
- Work as Executed (WAE) Documentation to TAMS and ActewAGL requirements;

Provide all labour and materials specified or shown on the drawings. Include works and materials which would be provided in accordance with the accepted trade practice or would be necessary for the satisfactory operation and completion of the works.

Location of public lighting as shown on the electrical drawings is indicative only and shall be verified on site during course of works. Final locations are to be determined by the project superintendent.

14.1.1 Regulation and Technical Requirements

Insert the following clause:

All electrical services shall comply with the various codes and standards set down by the Authorities having jurisdiction over such standards. All work shall be carried out by persons licensed to do so in the ACT.

In particular the standard requirements of the following authorities shall be observed in all respects.

1. Design Standards for Urban Infrastructure - Section 12
2. ACT Workcover;
3. ActewAGL;
4. Local Regulations relating to Scaffolding and Lifts;

5. ACT Planning and Land Authority (ACTPLA)/BEPCON;
6. National Construction Code 2013;
7. Telstra;
8. Transact;
9. Design Standard for Urban Infrastructure – Street Lighting Section 12; and
10. Installation Standard for Urban Infrastructure – Street Lighting Section 14.

14.5 Materials

14.5.2 Cabling

Delete paragraph 2 and 3 and insert the following paragraph:

All cabling and conduit work shall be installed in accordance with AS/NZS 3000:2007 as amended. All street lighting cable shall be installed in conduit as documented. Cable sizes for each nominated public lighting circuit are to be installed as shown on the drawings.

14.5.3 Columns

Insert the following before the first paragraph:

Proposed lighting poles shall be a principal supplied item.

Contractor is to allow for the inspection of the items, safe loading and safe transport of the columns, lamps, luminaires and fittings to the project site.

The Contractor is to provide all materials and labour to install connect and commission poles and all fittings (contractor may be required to assemble items)

All columns and fittings are to be installed as per manufacturer's recommendations.

14.5.3.1 Heritage-Listed Areas

Delete Clause 14.5.3.1.

14.5.3.3 Banner mounting

Delete Clause 14.5.3.3

14.5.5 Electromagnetic Compatibility (EMC)

Delete Clause 14.5.5 and replace with:

All new luminaires and control equipment covered by this specification shall comply with all relevant requirement of the Australian Communication and Media Authority (ACMA) for EMC and the requirements of AS 4251.1 Electromagnetic compatibility – Generic Emission Standard part 1: Residential, commercial and light industry.

14.5.6 Lamps

Delete table from 14.5.6 and replace wording above table with the following:-

Lamp types shall be as nominated on drawings. The lamps shall be suitable for use in the type of luminaire installed and have a guaranteed minimum life as nominated by the luminaire manufacturer.

14.7 Erection and Installation

14.7.3 Laying of Conduit

Insert the following paragraph:

Supply and install orange conduit underground as documented on the drawings. Provide underboring/hydro excavation for conduit to the approval of the Superintendent where excavation is within the tree zone. Conduit shall sweep in and out to street lighting column. Sweep bend radius shall be in accordance with TAMS requirements.

Provide excavation at light pole and luminaire locations and allow making good existing surfaces due to trenching/underboring. Refer to drawings for final placement of street light columns including Eastings and Northings.

14.7.5 Cabling

Add the following paragraph:

The factory connection from the uplighter fitting shall not be cut or modified in any way, and the luminaire shall be connected to the public lighting circuit as per the manufacturer's instructions. Where ambiguity regarding wiring and maintaining IP ratings of the uplighters arise, seek advice and direction from the Superintendent and Manufacturer prior to installation.

14.7.6 Installation of lighting columns

Delete Clause 14.7.6 paragraph 3 and replace with:

Column shall be installed as per manufacturer recommendation.

The columns shall be conforming to the requirement of AS 1798 Public Lighting Poles and Bracket Arms.

14.7.10 Works as Executed Drawings

Delete Clause 14.7.10 paragraph 2 and replace with the following:

Provide three (3) sets of completed CAD drawings in the O&MM of complete Works as Executed (WAE) drawings detailing the installed electrical services. WAE drawings shall include the following:

- All columns, underground conduits and cabling with dimensions from boundaries, or easting and northing details
- Circuit details, including loading information
- All drawings shall comply with AS1102.
- Client name and client project number;
- Block and section;
- "Works-as-Executed" annotation adjacent title block and signed as such by the Superintendent; and
- Project title
- Works "As Executed" drawings shall be submitted to ActewAGL and in accordance with TAMS Street lighting installation standard – section 14 requirements.

Drawings shall be prepared in accordance with TAMS document Ref-08 WAE Quality Records. Evidence of completed Principal hold point inspection shall be provided with the WAE documents.

Street lights will not be energised until WAE drawings have been lodged and approved. The Contractor shall be responsible for disconnection and connection fees to ActewAGL.

14.7.12 Excavating

Add new subclause:

Trenching and backfilling shall be provided in accordance with ACT Standard Specification.

The trench shall be excavated so that pipes are not less than 600mm below ground level. The bottom shall be cleared of all rocks, stones and other hard and sharp materials and shall be filled to a depth of 50mm with a layer of selected filling in the bottom of the trench.

Where the excavated spoil is considered by the Superintendent to be unsuitable for this layer, the Contractor shall supply special sand, loam or other approved filling.

Where trenches are left open ensure that they are protected by barricades or in such a manner as to prevent them creating any hazard.

Trenches for conduits for Supply Authority cabling shall be in accordance with the Supply Authority Standards.

Note all excavation within tree drip zones to be undertaken in accordance with Tree Management Plan and all relevant ACT Government tree and environmental guidelines.

14.7.13 Backfilling and Making Good

Add new subclause:

After laying the conduits the trench shall be backfilled, as described below only after the pipes have been approved by the Superintendent.

- a. Where pavements are to be built over the trenches, the backfilling material is to be sand, gravel, cement stabilised sand or similar approved material and brought to the level of the bottom of the pavement base course. It must be thoroughly rammed by hand tampers or mechanical tampers till a Mod. density of at least 90% of the maximum modified dry density is obtained.
- b. In other cases the trench must be backfilled with approved material laid in 150mm loose layers and compacted to the density of the adjacent soil. Stones having a dimension over 50mm are not to be used. The top of the backfilling shall be finished flush with the surface in lawn, garden and other prepared areas or neatly mounded above the ground surface in areas where no surface treatment is specified.
- c. All excess excavated spoil shall be removed.
- d. Make good existing paving and landscaping disturbed during trenching.

14.7.14 PVC Marker Strip

Add new subclause:

An approved type 150mm wide PVC marker tape with metal stripe for location, and bearing the words "Caution - Buried Electric Cables Below" shall be laid in the trench directly above all underground electrical cable ducts approximately 200mm below the surface of the ground for the entire length of the underground cable ducts in accordance with AS3000.

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Document Status

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		Name	Signature	Name	Signature	Date
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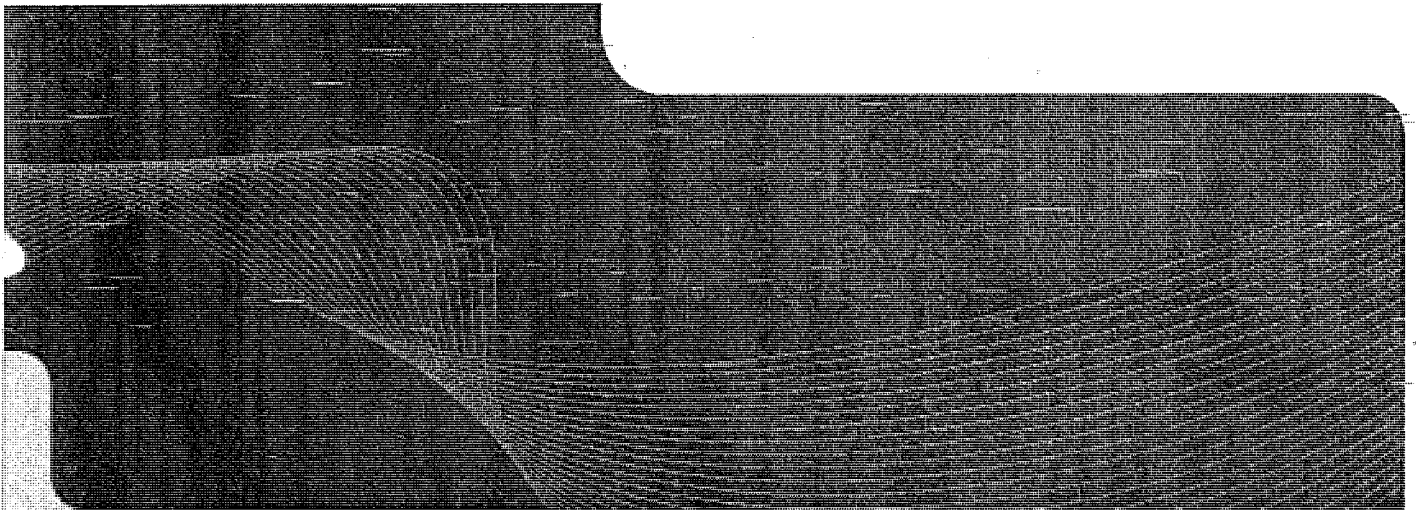




CLIENTS | PEOPLE | PERFORMANCE

Territory and Municipal Services
Northbourne Avenue Pedestrian
Lighting Upgrade
Tree Management Plan

February 2014



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1. Introduction

This Tree Management Plan (TMP) has been developed to give guidance to the management of trees during the University Avenue Pedestrian Lighting project. It is intended to give a set of operational guidelines for contractors to use to ensure that the existing trees on site are protected during the construction activities during the refurbishment.

This Tree Management Plan (TMP) has been prepared by a GHD Urban Forester who is approved by the ACT Conservator of Flora and Fauna to undertake tree assessments in the ACT under the Tree Protection Act 2005.

The TMP has been based on the requirements of the Australian Standard *Protection of trees on development sites (AS 4970-2009)*, the *Landscape Management and Protection Plans (LMPP) Requirements for the Protection of Public Landscape Assets-Adjacent to Development Works Issue 2 Revision 2* (LMPP Requirements), and the requirements of the landscape design for the site. Where applicable it makes reference to drawings numbers to emphasise the method intended by the landscape design to assist with the protection of the trees.

In Section 2 of this report the status of the surveyed trees are discussed.

Section 3 of this report discusses the general requirements for the protection of existing trees.

Section 4 of this report discusses the requirements for the management of the trees during the work, and is the Project Tree Management Plan (TMP).

2. Status of Surveyed Trees

The LMPP requirements specify that all trees located in the road reserve, verge, public open space and on unleased Territory land shall be retained and must remain undamaged. The LMPP process requires the identification of any trees that may be affected by the works and the submission of a request for approval to proceed with the work clearly identifying the nature of the work affecting the tree and protective measures proposed to minimise damage to the tree.

Written authorisation from Asset Acceptance is required prior to any work affecting the tree taking place.

This site is not on leased territory land and as such is not subject to the regulations of the Tree Protection Act 2005. The recommendations for work at this site are based on AS 4970 and the LMPP Requirements. Both documents provide measures to minimise and mitigate tree damaging activities during development works.

3. Requirements for the Protection of Existing Trees

To preserve the ongoing vigour of the retained trees it is important that they are protected during the works. **The disturbance of any plant material requires the written authorisation of Asset Acceptance as part of the LMPP.**

This section outlines some of the basic tree protection requirements as outlined in the LMPP and AS 4970.

3.1 Trees must be protected

AS 4970 states that *as it is rarely possible to repair stressed and injured trees, so substantial injury needs to be avoided during all stages of development and construction. For trees to be retained and their requirements met, procedures must be in place to protect trees at every stage of the development process.*

Requirements of the LMPP Requirements state that all trees located in the road reserve, verge, public open space and on unleased Territory land, are to be retained and remain undamaged. Written authorisation from Asset Acceptance (AA) is required if any plant material is to be disturbed as a part of construction. This approval will be given as a part of the Landscape Management and Protection Plans (LMPP). Authorisation is subject to:

- Existing canopy clearance not being altered;
- Crowns and Apex of canopies not being altered or reduced;
- Lifting equipment and load capable of operating in a manner that clears the height and width of the tree canopy without damaging the crown; and
- Construction equipment able to pass beneath the trees lowest limb through the designated driveway access.

3.1.1 All trees must have protective fencing throughout the period of the work

Under the LMPP requirements all trees have a Tree Protection Zone (TPZ) that coincides with the drip-line of the tree. To protect the trees all activity inside the TPZ is prohibited unless it has been specifically approved in writing by Asset Acceptance.

1. According to the LMPP requirements all temporary protective fences erected to protect existing publicly owned landscape assets are to be in accordance with the approved LMPP drawing.
2. Fence off existing trees, plantings and grass to enclose the street verge, public open space or unleased Territory land area. The location of protective fencing will be:
 - o Fence each tree along its drip-line (at a minimum),
 - o 1.2m from the back of the kerb for the full frontage of the lease, along the property boundary and along approved driveway access to ensure that the verge is completely enclosed.
3. Fencing must be erected before the commencement of any site works and removed at completion of all construction and commencement of verge restoration.
4. The fence is to remain in place throughout the duration of the project.

5. The LMPP Requirements state that the use of a temporary 1800 mm tall continuous mesh fence supported by steel posts with concrete bases is mandatory. Variation from this requirement must be accompanied by written agreement from the Asset Acceptance Officer.
6. All construction activity including stockpiling of materials, vehicle access and parking must be excluded from the fenced area. Ensure that site access points are outside all the protection zones.

3.1.2 Root Protection

The LMPP requirements and AS 4970 make particular emphasis on the need for root protection during works. There are two protection zones that must be taken into account when undertaking construction works near the trees. These zones are the structural root zone (SRZ) and the tree protection zone (TPZ).

The structural root zone (SRZ) is the area around the base of a tree required for the tree's stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres.

The tree protection zone (TPZ) is a specified area above and below ground and at a given distance from the trunk set aside for the protection of a tree's roots and crown to provide for the viability and stability of a tree to be retained where it is potentially subject to damage by development or works.

The LMPP Requirements stipulate as follows: *excavation that occurs within the drip zone of a tree shall be restricted to one side of the tree only and shall have prior approval from AA.*

Where excavation is approved, the following measures are to be adopted for tree protection:

- ▶ *Do not sever large roots (>30 mm diameter) closer than halfway from the drip-line to the trunk.*
- ▶ *Locate these roots by hand trenching to a depth of 300 mm before any mechanical trenching is undertaken.*
- ▶ *Cut roots cleanly with equipment specifically designed for this purpose or by suitable pruning equipment.*
- ▶ *Protect exposed roots from desiccation by lightly watering or covering with hessian which must be kept moist, and*
- ▶ *Maintain the good health of the trees that have had disturbance in their roots zone by continual watering, at no time shall the disturbed area be allowed to dry out to the detriment of the trees health.*

4. Requirements

If the LMPP requirements are followed the TPZ will be fenced and no activity can take place within the TPZ. However in this circumstance, activities are required within the TPZ to fulfil the construction requirements and mitigating construction methods will be necessary. This section outlines the requirements specific to this project, and is subject to written authorisation of AA as part of the LMPP.

Although the trees recommended for retention are considered sound, there is risk associated with works close to the trees, both to the trees from activity, and to operators due to potential for material to fall from the crowns (low but possible). Ensure deadwood is removed by a qualified arborist (if required) prior to construction (for trees that will be retained) to ensure safety of construction workers.

It is important that wherever possible construction activities should be kept outside the drip-line by the use of exclusion fencing or by deploying structures and anti soil compaction techniques such as those shown in Figure 1.

4.1 Tree Protection

4.1.1 Tree Protection Zone

For the purpose of these recommendations the TPZ is the trees' drip-line as specified in the LMPP Requirements.

Construction activities must be kept outside the TPZ, unless specific approval is given.

The tree protection zone must be fenced according to the fencing shown on the Tree Management Plan drawing.

Fencing must remain in place unless approved works are being carried out inside the TPZ. Once works inside any fenced area is complete, the fences must be re-erected.

4.1.2 Structural Root Zone

For the purpose of these recommendations the **SRZ is the mid point between the drip-line and the tree trunk.**

4.2 Tree Protection Briefing

All staff should attend a briefing session where the staff are informed about the location and importance of the TPZ and SRZ and the tree protection measures they are required to adhere to.

4.3 Works inside the TPZ

In this circumstance, activities are required within the TPZ to fulfil the construction requirements and mitigating construction methods will be necessary. Therefore the protection measures outlined below are to be followed during ground works within the TPZ to minimise damage to the respective part of the tree, as shown in Figure 1.

4.3.1 Works inside the TPZ and inside the SRZ

For staff to recognise the SRZ use spray paint to provide a visual outline of this zone.

When working within the SRZ hand excavation or hydro excavation is the required method to identify the presence of structural roots. During the hydro excavation operations the water pressure needs to be at a level that does not remove the bark from the roots.

Roots within the SRZ greater than 30mm diameter shall not be severed unless permitted by the qualified Project Arborist. Underboring, hand excavation or hydro excavation is considered the most appropriate method of excavation in this zone.

4.3.2 Works inside the TPZ and outside the SRZ

Subject to approval obtained through the AA, excavation within the TPZ is to be in accordance with the LMPP requirements and AS 4970. Protective fencing will be kept in place until such approval has been given.

All works within the TPZ are subject to approval by the Superintendent who will take advice from a qualified arborist and will generally comply with the protection measures suggested in AS 4970 or similar and with the LMPP requirements.

Photographic records should be kept of any excavation activity within the TPZ.

4.3.3 Root Damaging Activities

- Techniques to minimise damage to roots within the TPZ will include hand excavation, underboring or hydro excavation to expose the roots. The use of these techniques within the SRZ is mandatory. Where roots are required to be cut as part of this process it will be in accordance with the LMPP requirements, i.e. be cut cleanly with equipment specifically designed to cut roots cleanly or other suitable pruning equipment, and root cutting will be carried out by a suitably qualified arborist /experienced horticulturist /urban forester;
- ▶ Root damage – to assist recovery of roots, place fertiliser into the top 30 cm of the disturbed area. Blood and bone at 250-gm/m², with watering during summer months (subject to permit availability);
- ▶ Where roots are disturbed planning will include allowance for additional watering as approved by AA;
- ▶ If any trench/hole is not going to be back-filled within 24 hours, keep the roots lightly watered and cover with hessian, which must be kept moist; and
- ▶ Where hydro excavation methods are used, water pressure must be limited so that bark surrounding roots and roots greater than 30 mm diameter are not damaged.

4.3.4 Trunk Protection

The trunk of the tree must be protected if fences are removed and work is carried out inside the TPZ.

- ▶ Wrap the trunk with padding and battens to a minimum height of 2m as per Figure 1, AS 4970, or similar;
- ▶ Install high visibility paraweb clear of the tree trunk to highlight the presence and location of the tree;
- ▶ For machinery operations, the machines are to work away from the tree, to reduce the chance of machines coming into contact with the tree; and

- ▶ The size of the machine needs to be limited to a size that allows it to work without being impeded by the trees and building infrastructure on site.

4.3.5 Branch Protection

- ▶ On the advice of the project arborist and subsequent approval by AA, remove any branches that are impeding access, and trunk wrap those that are likely to be damaged during works as per Figure 1, AS 4970, or similar; and
- ▶ The size of the machine should be limited to a size that enables it to work under the tree canopy without causing damage to branches wherever possible.

4.3.6 Mobile Plant and Excavation within the TPZ

Where the pre-existing paving is still in place approval by AA for the following works within the TPZ is sought:

- ▶ Allow for the use of the pre-existing paving or adjacent roadway to replace AS 4970 need for rumble boards; and
- ▶ Allow for the stockpiling of materials, vehicle access and movement within the TPZ on pre-existing pavement.

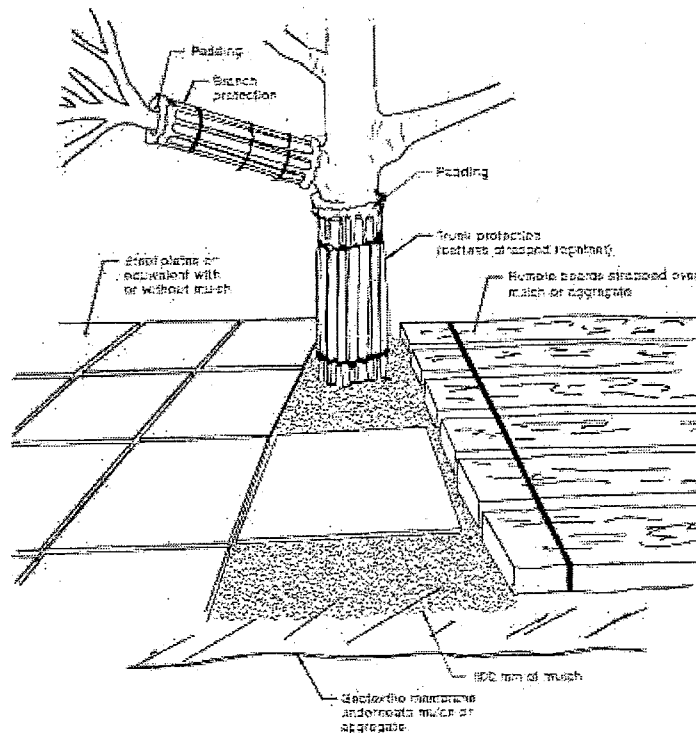
Operating with machinery directly on exposed soil, without rumble boards, causes soil compaction, a reduction in soil porosity and negatively impacts soil structure.

Where the pre-existing paving has been removed the following requirements apply:

- ▶ Rumble boards are required for wheeled machinery (refer Figure 1);
- ▶ Rumble boards are not required for work with tracked machinery if soil moisture levels and soil type are suitable. Direction should be sought from the Superintendent to determine soil suitability on a case by case basis. In some cases remedial action involving coring soil and backfilling with sand to allow aeration and water penetration will be required at the direction of the Superintendent with Arborist advice;
- ▶ Stock piling of materials within the TPZ is not permitted. Where there is existing hardstand the project arborist may permit the stockpiling of materials, provided the materials are not closer than 2m to the base of the tree trunk. The 2m zone should be delineated with paraweb (or similar high visibility material) and the trunks must be wrapped (refer Figure 1);
- ▶ No parking and storage of construction machinery and vehicles within the TPZ unless on existing hardstand.

Access points should be positioned centrally between the existing street trees to minimise machine and vehicle movements within the TPZ.

If deviation from these protection measures is required, then approval from AA must be sought.



NOTES:

1. For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
2. Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

Figure 1 Examples of trunk, branch and ground protection. From Figure 4, AS 4970-2009

4.3.7 Signage

When working within the TPZ signs stating that work is being undertaken within the TPZ should be erected.

4.3.8 Irrigation

- ▶ Water trees that have had disturbance in their root zone. The amount and frequency of water needs to be adapted to the trees' requirement, based on seasonal conditions;
- ▶ Irrigation infrastructure is a component of the design process. For this project, installation of irrigation infrastructure to trees was not included in the project design; and
- ▶ An irrigation system could include sumps that act as rain water capture points. At the base of the sumps connect a 100 mm perforated Ag Pipe that passes underground. The entry points of the Ag Pipe will be filled with crushed rock to prevent vermin entry. These sumps could collect rain water or be filled manually and the water will percolate through the rock filling.

Part 3 Ethical Suppliers Declaration - Tender

STATUTORY DECLARATION

Statutory Declarations Act 1959 (Cth)

I, [Name, address and occupation of person making declaration] make the following declaration under the Statutory Declarations Act 1959 (Cth),

1. In this declaration a reference to:
 - a. **"Adverse Ruling"** means a ruling by any court, tribunal, board, commission or other entity with jurisdiction to determine employee and industrial relations matters to the effect that the Tenderer has breached its Employee and Industrial Relations Obligations.
 - b. **"Employee"** means a natural person who is employed under a contract of service (excluding professional or information technology services) to provide the Tenderer with his or her labour.
 - c. **"Employee and Industrial Relations Obligations"** means compliance with:
 - (a) Prescribed Legislation;
 - (b) the orders, directions or decisions of any court, tribunal, board, commission or other entity with jurisdiction to consider the interpretation, breach or any other matter concerning any Prescribed Legislation;
 - (c) Industrial Instruments; and
 - (d) the IRE Strategy.'
 - d. **"Full Details"** means the details of:
 - (a) the nature of the breach or offence or alleged breach or offence;
 - (b) any conviction recorded or adverse finding made in respect of the breach or offence;
 - (c) any penalty or orders imposed by a court, tribunal, board, commission or other entity in respect of the breach or offence and the maximum penalty that could have been imposed under the Prescribed Legislation.
 - (d) the name of the court, tribunal, board, commission or other entity; the State or Territory in which the proceeding or prosecution is brought; the date on which the proceeding or prosecution was commenced and the number or description assigned to the proceeding or prosecution by the court, tribunal, board, commission or other entity; and
 - e. the name of the person or other legal entity against which the finding or conviction was made or the proceeding or prosecution was initiated.
 - f. **"Industrial Instruments"** means an award or agreement, however designated, that:

- (a) is made under or recognised by an industrial law; or
 - (b) concerns the relationship of an employer and the employer's employees.
- g. **"IRE Certificate"** has the same meaning as in the ACT Government's IRE Strategy;
- h. **"IRE Strategy"** means the ACT Government's *Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects*, as amended from time to time,
- i. **"Prescribed Legislation"** means each of the following:
- (a) Industrial Instruments applicable to the Tenderer;
 - (b) *Long Service Leave Act 1976 (ACT)*;
 - (c) *Work Safety Act 2008 (ACT)*;
 - (d) *Long Service Leave (Portable Schemes) Act 2009 (ACT)*;
 - (e) *Workers' Compensation Act 1951 (ACT)*;
 - (f) *Workplace Relations Act (1996) (Cth)*;
 - (g) *Fair Work Act 2009 (Cth)*;
 - (h) *Superannuation Guarantee (Administration) Act 1992 (Cth)*;
 - (i) *Building and Construction industry Improvement Act 2005 (Cth)*;
 - (j) *Workplace Gender Equality Act 2012 (Cth)*;
 - (k) *Paid Parental Leave Act 2010 (Cth)*;
 - (l) *Payroll Tax Act 1987 (ACT)*;
 - (m) *Work Health and Safety Act 2011 (ACT)*;
 - (n) *Fair Work (Building Industry) Act 2012 (Cth)*;
 - (n) any Regulations made under the above Acts;
 - (o) any laws of the Commonwealth or the Australian Capital Territory which vary or replace the above Acts or Regulations, or any part of them; and
 - (p) any other Acts or Regulations of the Commonwealth or the Australian Capital Territory, which deal with matters relating to industrial relations, employment and/or workplace safety obligations.
- j. **"Prescribed Works or Services"** means works or services that require the exertion of labour by Employees.

k. "Project" means Project No [insert ACT Government Project no] for [insert sufficient details to identify nature of project, e.g. for the construction of school at Block 11 Section 66 Kambah]; and

l. "Tenderer" means [insert full legal name of Tenderer including the ACN/ABN as per that identified on the Tender].

2. I am authorised on behalf of the Tenderer to make this declaration.

3. The Tenderer holds a current IRE Certificate.

4. The Tenderer has in the preceding 24 months of the date of this declaration complied with all Prescribed Legislation

True (delete 4A and initial) Not true (answer 4A)

4A. The Tenderer has not complied with the following Prescribed Legislation.

[Insert Full Details of the failure to comply with Prescribed Legislation]

5. The Tenderer has in the preceding 24 months of the date of this declaration recognised the rights of its Employees to union membership and representation.

True (delete 5A and initial) Not true (answer 5A)

5A. The Tenderer has not recognised the rights of Employees to union membership and representation in the following respects.

[Insert Full Details of how the Tenderer has not recognised the rights of Employees to union membership and representation]

6. The Tenderer has in the preceding 24 months of the date of this declaration complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency.

True (delete 6A and initial) Not true (answer 6A)

6A. The Tenderer has not complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency in the following respects:

[Insert Full Details of how the Tenderer has failed to comply with all amendments to wages and conditions of employment]

7. In the preceding 24 months of the date of this declaration there have been no findings against the Tenderer by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation, including a finding of a breach in a non-confidential consent order.

True (delete 7A and initial) Not true (answer 7A)

7A. There have been the following findings (Full Details of which are provided) against the Tenderer by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation:

[Set out Full Details of findings]

8. In the preceding 24 months of the date of this declaration there have been no convictions under the Prescribed Legislation against the Tenderer.

True (delete 8A and initial) Not true (answer 8A)

8A. There have been the following convictions under the Prescribed Legislation against the Tenderer:

[Set out Full Details of convictions]

9. There are currently no proceedings or prosecutions against the Tenderer in respect of a breach of any Prescribed Legislation.

True (delete 9A and initial) Not true (answer 9A)

9A. There are currently the following proceedings or prosecutions against the Tenderer in respect of a breach of Prescribed Legislation.

[Set out Full Details of proceedings or prosecutions]

10. The Tenderer has not been required to implement any remedial measures to ensure future compliance with the Prescribed Legislation.

True (delete 10A and initial) Not true (answer 10A)

10A. The Tenderer has been required to implement the following remedial measures to ensure future compliance with the Prescribed Legislation:

[Set out Full Details of the remedial measures implemented]

I understand that a person who intentionally makes a false statement in a statutory declaration is guilty of an offence under section 11 of the Statutory Declarations Act 1959, and I believe that the statements in this declaration are true in every particular.

[Signature of person making the declaration]

[Print name of person making the declaration]

Declared at [place] on [day] of [month] [year]

Before me:

[Signature of person before whom the declaration is made]

[Full name, qualification and address of person before whom the declaration is made
(in printed letters)]

Note 1 A person who intentionally makes a false statement in a statutory declaration is guilty of an offence, the punishment for which is imprisonment for a term of 4 years – see section 11 of the Statutory Declarations Act 1959.

Note 2 Chapter 2 of the Criminal Code applies to all offences against the Statutory Declarations Act 1959 – see section 5A of the Statutory Declarations Act 1959.

A statutory declaration under the Statutory Declarations Act 1959 may be made before—

- (1) A person who is currently licensed or registered under a law to practise in one of the following occupations:

Chiropractor	Dentist	Legal practitioner
Medical practitioner	Nurse	Optometrist
Patent attorney	Pharmacist	Physiotherapist
Psychologist	Trade marks attorney	Veterinary surgeon
- (2) A person who is enrolled on the roll of the Supreme Court of a State or Territory, or the High Court of Australia, as a legal practitioner (however described); or
- (3) A person who is in the following list:
 - Agent of the Australian Postal Corporation who is in charge of an office supplying postal services to the public
 - Australian Consular Officer or Australian Diplomatic Officer (within the meaning of the Consular Fees Act 1955)
 - Bailiff
 - Bank officer with 5 or more continuous years of service
 - Building society officer with 5 or more years of continuous service
 - Chief executive officer of a Commonwealth court
 - Clerk of a court
 - Commissioner for Affidavits
 - Commissioner for Declarations
 - Credit union officer with 5 or more years of continuous service
 - Employee of the Australian Trade Commission who is:
 - (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (d) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
 - Employee of the Commonwealth who is:
 - (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (c) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
 - Fellow of the National Tax Accountants' Association
 - Finance company officer with 5 or more years of continuous service
 - Holder of a statutory office not specified in another item in this list
 - Judge of a court
 - Justice of the Peace
 - Magistrate
 - Marriage celebrant registered under Subdivision C of Division 1 of Part IV of the Marriage Act 1961
 - Master of a court
 - Member of Chartered Secretaries Australia
 - Member of Engineers Australia, other than at the grade of student
 - Member of the Association of Taxation and Management Accountants
 - Member of the Australasian Institute of Mining and Metallurgy
 - Member of the Australian Defence Force who is:
 - (a) an officer; or
 - (b) a non-commissioned officer within the meaning of the Defence Force Discipline Act 1982 with 5 or more years of continuous service; or
 - (c) a warrant officer within the meaning of that Act
 - Member of the Institute of Chartered Accountants in Australia, the Australian Society of Certified Practising Accountants or the National Institute of Accountants
 - Member of:
 - (a) the Parliament of the Commonwealth; or
 - (b) the Parliament of a State; or
 - (c) a Territory legislature; or
 - (d) a local government authority of a State or Territory
 - Minister of religion registered under Subdivision A of Division 1 of Part IV of the Marriage Act 1961
 - Notary public
 - Permanent employee of the Australian Postal Corporation with 5 or more years of continuous service who is employed in an office supplying postal services to the public
 - Permanent employee of:
 - (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority; or
 - (c) a local government authority;with 5 or more years of continuous service who is not specified in another item in this list
 - Person before whom a statutory declaration may be made under the law of the State or Territory in which the declaration is made
 - Police officer
 - Registrar, or Deputy Registrar, of a court
 - Senior Executive Service employee of:
 - (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority
 - Sheriff
 - Sheriff's officer
 - Teacher employed on a full-time basis at a school or tertiary education institution

Part 4

1.1 In these Conditions of Contract (including this Part 4) the following terms are defined:

"Adverse Ruling" means a ruling by any court, tribunal, board, commission or other entity with jurisdiction to determine employee and industrial relations matters to the effect that the You or any Subcontractor breached its Employee and Industrial Relations Obligations.

"Employee" means a natural person who is employed under a contract of service (excluding professional or information technology services) to provide the You or a Subcontractor with his or her labour.

"Employee and Industrial Relations Obligations" means compliance with:

- (a) Prescribed Legislation;
- (b) the orders, directions or decisions of any court, tribunal, board, commission or other entity with jurisdiction to consider the interpretation, breach or any other matter concerning any Prescribed Legislation;
- (c) Industrial instruments; and
- (d) the IRE Strategy.

Note: Examples of Employee and Industrial Relations Obligations may include payment of remuneration; training; annual holidays; long service leave entitlements; occupational health and safety requirements; workers' compensation; injury management, (including rehabilitation); legal age of employment; discrimination; freedom of association and superannuation. This list is non exhaustive.

"Ethical Suppliers Declaration - Contract" means a statutory declaration in the form set out in Part 4 (or such other modified form of statutory declaration as approved by the Principal and advised to You from time to time).

"Full Details" means the details of:

- (a) the nature of the breach or offence or alleged breach or offence;
- (b) any conviction recorded or adverse finding made in respect of the breach or offence;
- (c) any penalty or orders imposed by a court, tribunal, board, commission or other entity in respect of the breach or offence and the maximum penalty that could have been imposed under the Prescribed Legislation.
- (d) the name of the court, tribunal, board, commission or other entity; the State or Territory in which the proceeding or prosecution is brought; the date on which the proceeding or prosecution was commenced and the number or description assigned to the proceeding or prosecution by the court, tribunal, board, commission or other entity; and
- (e) the name of the person or other legal entity against which the finding or conviction was made or the proceeding or prosecution was initiated.

"Industrial Instruments" means an award or agreement, however designated, that:

- (a) is made under or recognised by an industrial law; or
- (b) concerns the relationship of an employer and the employer's employees.

"IRE Certificate" has the same meaning as set out in the IRE Strategy.

"IRE Strategy" means the Principal's *"Compliance with Industrial Relations and Employment Obligations Strategy for ACT Government Capital Works Projects"* as amended from time to time, or such substituted policy or strategy of the Principal.

"Prescribed Legislation" means:

- (a) Industrial Instruments applicable to the Contractor, a supplier or Subcontractor;
- (b) *Long Service Leave Act 1976 (ACT)*;
- (c) *Work Safety Act 2008 (ACT)*;
- (d) *Long Service Leave (Portable Schemes) Act 2009 (ACT)*;
- (e) *Workers' Compensation Act 1951 (ACT)*;
- (f) *Workplace Relations Act (1996) (Cth)*;
- (g) *Fair Work Act 2009 (Cth)*;
- (h) *Superannuation Guarantee (Administration) Act 1992 (Cth)*;
- (i) *Building and Construction Industry Improvement Act 2005 (Cth)*;
- (j) *Workplace Gender Equality Act 2012 (Cth)*;
- (k) *Paid Parental Leave Act 2010 (Cth)*;
- (l) *Payroll Tax Act 1987 (ACT)*;
- (m) *Work Health and Safety Act 2011 (ACT)*;
- (n) *Fair Work (Building Industry) Act 2012 (Cth)*
- (o) Any Regulations made under the above Acts;
- (p) Any laws of the Commonwealth or the Australian Capital Territory which vary or replace the above Acts or Regulations, or any part of them; and
- (q) any other Acts or Regulations of the Commonwealth or the Australian Capital Territory, which deal with matters relating to industrial relations, employment and/or workplace safety obligations.

"Prescribed Works or Services" means works or services that require the exertion of labour by Employees.

“Project Compliance Audit” has the same meaning as in the IRE Strategy.

“Subcontractor” means any subcontractor engaged by You or sub-subcontractor engaged by your subcontractor.

- 1.2 This Part 4 applies to the extent that the Contract provides for the performance of Prescribed Works or Services.

Provision of Ethical Suppliers Declaration

- 2.1 You must provide the Principal with an Ethical Suppliers Declaration - Contract:
- (a) If requested by the Principal, at the time you enter into this Contract; and
 - (b) If requested in writing by the Principal, at the time you request a progress payment; and
 - (c) Within 7 days of the date of a written request from the Principal to you to provide the same.
- 2.2 The failure by you to provide the Ethical Suppliers Declaration - Contract in accordance with this Part or the making of a false statement in a statutory declaration by the you or your representative making the declaration will constitute a ground for termination as set out in clause 2.11 of the Conditions of Contract.
- 2.3 If the you fail to provide the Ethical Suppliers Declaration in accordance with this Part the Principal may withhold payment of monies due to you until the statutory declaration is received.
- 2.4 The Principal may by written notice to you request you obtain a statutory declaration from any Subcontractor in substantially the same form of the Ethical Suppliers Declaration - Contract (and provide the same to the Principal within 21 days of the date of the written notice). You must use your reasonable endeavours to ensure the Subcontractor supplies the declaration to enable you to comply with the request of the Principal.
- 2.5 You must ensure terms are included in all agreements with Subcontractors requiring them to provide statutory declarations to you to enable you to satisfy your obligations under this Part.

Compliance with Employee and Industrial Relations Obligations

- 3.1 You (and all Subcontractors) must comply with all Employee and Industrial Relations Obligations.
- 3.2 Without limiting clause 3.1 Employees must be paid wages at rates and employed under conditions of employment not less favourable than those required by any Prescribed Legislation which applies to you (or a Subcontractor, as applicable).
- 3.3 You and all Subcontractors must keep proper records and documents evidencing:
- (a) the wages paid to Employees
 - (b) so far as practicable, the time worked by Employees;

- (c) payments made to third parties on behalf of Employees; and
 - (d) compliance with all Employee and Industrial Relations Obligations.
- 3.4 You must, at all reasonable times allow, and must require Subcontractors to allow, the Principal or any person authorised by the Principal (including any person conducting a Project Compliance Audit):
- (a) to enter upon the Site to inspect the conditions in which Employees are employed;
 - (b) to enter upon the Site or any premises occupied by you or a Subcontractor, to inspect and copy, as applicable, their:
 - (i) wage books;
 - (ii) time sheets;
 - (iii) records evidencing payment of superannuation entitlements;
 - (iv) records evidencing payment of long service leave entitlements; and
 - (v) other records relevant to establishing compliance with the Employee and Industrial Relations Obligations;
 - (c) to enter upon the Site or any premises occupied by you or a Subcontractor, to interview any persons as necessary to demonstrate the compliance or otherwise by you and/or the Subcontractor(s) with Employee and Industrial Relations Obligations.
- 3.5 You must, take all reasonable actions and comply with all reasonable requests of the Principal or its authorised persons, and must require Subcontractors to take all reasonable actions and comply with all reasonable requests to ensure compliance with this Part (or the equivalent condition in any agreement with a Subcontractor). You (and any of your Subcontractors) will have no claim against the Principal for costs incurred by you (or a Subcontractor) in responding to any requests of the Principal made in accordance with or under this Part 4.

Disclosure regarding Employee and Industrial Relations Obligations

- 4.1 If at any time during the term of the Contract, an Adverse Ruling is made regarding you, you must within 7 days of the making of the Adverse Ruling provide a statutory declaration by an authorised representative setting out:
- (a) the Full Details of the Adverse Ruling;
 - (b) If applicable, any additional information which in your opinion is relevant to the Adverse Ruling, including your grounds for any objection to the Adverse Ruling being relied upon as a ground for termination of this Contract;
 - (c) If applicable, details of any information on which the Adverse Ruling is based which in your opinion is incorrect, incomplete or otherwise unfairly prejudicial to you for purposes of your dealings with the Principal under this Contract; and
 - (d) If applicable, any existing or planned remedial measures which you have taken or will be taking to prevent a breach or offence similar to the non compliance, breach or offence on which the Adverse Ruling is based from recurring.

4.2 The:

- (a) failure by you to provide the statutory declaration in accordance with this Part;
- (b) the making of a false statement in a statutory declaration provided by you or your representative making the declaration; or
- (c) and Adverse Ruling being made against you,

will constitute a breach entitling the Principal to terminate the Contract.

4.3 In addition to any other rights set out in this Contract the Principal may take such action against you as provided for in the IRE Strategy in the event of an Adverse Ruling being made against you.

4.4 The remedies set out in this Part are in addition to and do not limit any other rights or remedies of the Principal under this contract or otherwise at law.

Agreements with Subcontractors

5.1 You must ensure all agreements with Subcontractors contain provisions:

- (a) requiring Subcontractors to comply with all Employee and Industrial Relations Obligations applicable to them and their employees; and
- (b) imposing obligations on the Subcontractor in the same form as those set out in this Part and imposed on you (subject to any necessary variation to reflect the different parties).

IRE Strategy

6.1 You must ensure all Subcontractors engaged to perform Prescribed Works or Services under an agreement entered into on or after 1 January 2012 (or such later date as may be advised by the Principal to you):

- (a) hold a current IRE Certificate;
- (b) maintain a current IRE Certificate during the term of their agreement; and
- (c) that the obligations set out in this Part are included in the relevant agreement with the Subcontractor.

IRE Certificate

7.1 Where this Contract is entered into on or after 1 January 2012 (or such later date as may be advised by the Principal to you) you must hold an IRE Certificate and must maintain a current IRE Certificate during the term of the Contract.

Ethical Suppliers Declaration - Contract

8.1 The form of Ethical Suppliers Declaration – Contract is as follows:

STATUTORY DECLARATION

Statutory Declarations Act 1959 (Cth)

I, [Name, address and occupation of person making declaration] make the following declaration under the Statutory Declarations Act 1959 (Cth),

1. In this declaration a reference to:
 - a. **"Contract"** means an agreement which has or will shortly be entered into between the Australian Capital Territory and the Contractor for the provision of works in respect of the Project.
 - b. **"Contractor"** means [insert full legal name of Contractor including the ACN/ABN as per that identified on the Contract];
 - c. **"Project"** means Project No [insert ACT Government Project no] for [insert sufficient details to identify nature of project, e.g. for the construction of school at Block 11 Section 66 Kambah];
 - d. the words or terms **"Adverse Ruling"**, **"Employee"**, **"Employee and Industrial Relations Obligations"**, **"Industrial Instruments"**, **"IRE Certificate"**, **"Prescribed Legislation"**, **"Prescribed Works or Services"** and **"Subcontractors"** have the same meaning as defined in the Contract; and
 - e. all other capitalised words or terms have the same meaning as defined in the Contract.
2. I am authorised on behalf of the Contractor to make this declaration.
3. All Employees of the Contractor who have at any time been employed by the Contractor in respect of the Project have, at the date of this declaration, been paid all moneys due and payable to them in respect of their employment on the work under the Contract.
4. The Contractor has, at the date of this declaration paid all amounts it is required to pay to third parties on behalf of Employees as required by Prescribed Legislation.
5. All Subcontractors have been paid all moneys due and payable to them in respect of work under the Contract and any subcontract with the Subcontractor.
6. The Contractor holds a current IRE Certificate.
7. The Contractor has in the preceding 24 months of the date of this declaration complied with all Prescribed Legislation
 True (delete 7A and initial) Not true (answer 7A)

7A. The Contractor has not complied with the following Prescribed Legislation.

[Insert Full Details of the failure to comply with Prescribed Legislation]

8. The Contractor has in the preceding 24 months of the date of this declaration recognised the rights of its Employees to union membership and representation.

True (delete 8A and initial) Not true (answer 8A)

- 8A. The Contractor has not recognised the rights of Employees to union membership and representation in the following respects.

[Insert Full Details of how the Contractor has not recognised the rights of Employees to union membership and representation]

9. The Contractor has in the preceding 24 months of the date of this declaration complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency.

True (delete 9A and initial) Not true (answer 9A)

- 9A. The Contractor has not complied with all amendments to wages and conditions of employment for their Employees as decided by any authorised industrial or wage-setting agency in the following respects:

[Insert Full Details of how the Contractor has failed to comply with all amendments to wages and conditions of employment]

10. In the preceding 24 months of the date of this declaration there have been no findings against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation, including a finding of a breach in a non-confidential consent order.

True (delete 10A and initial) Not true (answer 10A)

- 10A. There have been the following findings (Full Details of which are provided) against the Contractor by a court, tribunal, commission, board or other entity with jurisdiction of a breach of any Prescribed Legislation:

[Set out Full Details of findings]

11. In the preceding 24 months of the date of this declaration there have been no convictions under the Prescribed Legislation against the Contractor.

True (delete 11A and initial) Not true (answer 11A)

- 11A. There have been the following convictions under the Prescribed Legislation against the Contractor:

[Set out Full Details of convictions]

12. There are currently no proceedings or prosecutions against the Contractor in respect of a breach of any Prescribed Legislation.

True (delete 12A and initial) Not true (answer 12A)

- 12A. There are currently the following proceedings or prosecutions against the Contractor in respect of a breach of Prescribed Legislation.

[Set out Full Details of proceedings or prosecutions]

13. The Contractor has not been required to implement any remedial measures to ensure future compliance with the Prescribed Legislation.

True (delete 13A and initial) Not true (answer 13A)

- 13A. The Contractor has been required to implement the following remedial measures to ensure future compliance with the Prescribed Legislation:

[Set out Full Details of the remedial measures implemented]

I understand that a person who intentionally makes a false statement in a statutory declaration is guilty of an offence under section 11 of the Statutory Declarations Act 1959, and I believe that the statements in this declaration are true in every particular.

[Signature of person making the declaration]]

[Print name of person making the declaration]

Declared at [place] on [day] of [month] [year]

Before me:

[Signature of person before whom the declaration is made]

[Full name, qualification and address of person before whom the declaration is made (in printed letters)]

Note 1 A person who intentionally makes a false statement in a statutory declaration is guilty of an offence, the punishment for which is imprisonment for a term of 4 years – see section 11 of the Statutory Declarations Act 1959.

Note 2 Chapter 2 of the Criminal Code applies to all offences against the Statutory Declarations Act 1959 – see section 5A of the Statutory Declarations Act 1959.

A statutory declaration under the Statutory Declarations Act 1959 may be made before—

- (1) A person who is currently licensed or registered under a law to practise in one of the following occupations:
- | | | |
|----------------------|----------------------|--------------------|
| Chiropractor | Dentist | Legal practitioner |
| Medical practitioner | Nurse | Optometrist |
| Patent attorney | Pharmacist | Physiotherapist |
| Psychologist | Trade marks attorney | Veterinary surgeon |
- (2) A person who is enrolled on the roll of the Supreme Court of a State or Territory, or the High Court of Australia, as a legal practitioner (however described); or
- (3) A person who is in the following list:
- Agent of the Australian Postal Corporation who is in charge of an office supplying postal services to the public
Australian Consular Officer or Australian Diplomatic Officer (within the meaning of the Consular Fees Act 1955)
Bailliff
Bank officer with 5 or more continuous years of service
Building society officer with 5 or more years of continuous service
Chief executive officer of a Commonwealth court
Clerk of a court
Commissioner for Affidavits
Commissioner for Declarations
Credit union officer with 5 or more years of continuous service
Employee of the Australian Trade Commission who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (d) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Employee of the Commonwealth who is:
- (a) in a country or place outside Australia; and
 - (b) authorised under paragraph 3 (c) of the Consular Fees Act 1955; and
 - (c) exercising his or her function in that place
- Fellow of the National Tax Accountants' Association
Finance company officer with 5 or more years of continuous service
Holder of a statutory office not specified in another item in this list
Judge of a court
Justice of the Peace
Magistrate
Marriage celebrant registered under Subdivision C of Division 1 of Part IV of the Marriage Act 1961
Master of a court
Member of Chartered Secretaries Australia
Member of Engineers Australia, other than at the grade of student
Member of the Association of Taxation and Management Accountants
Member of the Australasian Institute of Mining and Metallurgy
Member of the Australian Defence Force who is:
- (a) an officer; or
 - (b) a non-commissioned officer within the meaning of the Defence Force Discipline Act 1982 with 5 or more years of continuous service; or
 - (c) a warrant officer within the meaning of that Act
- Member of the Institute of Chartered Accountants in Australia, the Australian Society of Certified Practising Accountants or the National Institute of Accountants
Member of:
- (a) the Parliament of the Commonwealth; or
 - (b) the Parliament of a State; or
 - (c) a Territory legislature; or
 - (d) a local government authority of a State or Territory
- Minister of religion registered under Subdivision A of Division 1 of Part IV of the Marriage Act 1961
Notary public
Permanent employee of the Australian Postal Corporation with 5 or more years of continuous service who is employed in an office supplying postal services to the public
Permanent employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority; or
 - (c) a local government authority;
- with 5 or more years of continuous service who is not specified in another item in this list
Person before whom a statutory declaration may be made under the law of the State or Territory in which the declaration is made
Police officer
Registrar, or Deputy Registrar, of a court
Senior Executive Service employee of:
- (a) the Commonwealth or a Commonwealth authority; or
 - (b) a State or Territory or a State or Territory authority
- Sheriff
Sheriff's officer
Teacher employed on a full-time basis at a school or tertiary education institution

PART 5A APPOINTMENT OF PRINCIPAL CONTRACTOR

5A.1 APPLICATION OF PART 5A

This Part 5A applies if you have been appointed as principal contractor for the purpose of the WHS Legislation (refer to the Schedule). Part 5A.4 applies generally to the Contract.

5A.2 ENGAGEMENT AS PRINCIPAL CONTRACTOR

The Principal:

- (a) engages you as principal contractor;
- (b) authorises you to have management or control of the Works site; and
- (c) engages you to discharge the duties of a principal contractor under Chapter 6 of the *Work Health and Safety Regulation 2011 (ACT)*.

5A.3 PREPARATION OF AND COMPLIANCE WITH WHS MANAGEMENT PLAN

5A.3.1 You must:

- (a) prepare and supply to the Principal a WHS Management Plan; and
- (b) provide the WHS Management Plan before beginning work under the Contract.

5A.3.2 The Principal will notify you as to the suitability of the submitted WHS Management Plan. The WHS Management Plan will be taken as suitable if the Principal has not responded within 7 days.

5A.3.3 The acceptance by the Principal of your WHS Management Plan will not relieve you of your obligations to comply with and demonstrate compliance with this Contract and WHS Legislation.

5A.3.4 You must regularly review your WHS Management Plan and continue to update and amend it and submit it (as necessary) in accordance with this Contract and WHS Legislation.

5A.3.5 You must ensure all your employees, subcontractors and suppliers comply with the WHS Management Plan and any directions, notices or other notifications issued by you referable to work health and safety matters

5A.4 WHS MANAGEMENT PLAN

For the purpose of this Contract (including but not limited to this Part 5A) "WHS Management Plan" means a work health and safety management plan that addresses:

- (a) the names, positions and health and safety responsibilities of all persons at the workplace whose positions or roles involve specific health and safety responsibilities in connection with the work under the Contract;
- (b) the arrangements in place, or to be implemented, between any persons conducting a business or undertaking at the workplace where the work under the Contract is being undertaken, for consultation, cooperation and coordination of activities in relation to compliance with their duties under work health and safety legislation;

- (c) the arrangements in place, or to be implemented, for managing any work health and safety incidents that occur, including incident reporting procedures, corrective action procedures, record-keeping and reporting requirements (including project-specific and general reporting and reporting to the Principal with respect to work health and safety matters), project-specific emergency plans and first aid procedures;
- (d) any site-specific health and safety rules, and the arrangements for ensuring that all persons at the workplace are informed of these rules;
- (e) the arrangements for the collection and recording, and any assessment, monitoring and review of safe work method statements at the workplace;
- (f) ensuring that work health and safety is a compulsory agenda item at all monthly meetings (or equivalent) and ensuring that the outcomes of those agenda items are communicated to the Principal;
- (g) management of work health and safety generally, including any work health and safety policy, details of any work-health and safety management system (including certification, inspection and audit programs), training and induction programs (including work health and safety generally, emergency procedures and use of emergency equipment), the process of communication and dispute resolution on work health and safety matters;
- (h) management of subcontractors, including induction, training, development of safe work method statements, job safety assessments or equivalent documentation, the obligation to consult, cooperate and coordinate activities, the process of communication and the process for ensuring subcontractor compliance with the WHS Management Plan;
- (i) management of project hazards and risks generally, including but not limited to work involving:
 - (i) fall hazards;
 - (ii) telecommunications towers;
 - (iii) demolition;
 - (iv) disturbance or removal of asbestos;
 - (v) structural alterations requiring temporary supports;
 - (vi) confined spaces;
 - (vii) excavation deeper than 1.5 metres;
 - (viii) tunnels;
 - (ix) use of explosives;
 - (x) pressurised gas distribution mains and consumer piping;
 - (xi) chemical, fuel and refrigerant lines;
 - (xii) electrical work, including involving energised electrical installations and services;
 - (xiii) hazardous atmospheres;
 - (xiv) tilt-up and precast concrete;

- (xv) roadways or railways used by road or rail traffic;
 - (xvi) movement of powered mobile plant;
 - (xvii) extremes of temperature;
 - (xviii) water or other liquids where there is a risk of drowning;
 - (xix) diving;
 - (xx) remote or isolated work;
 - (xxi) above-standard exposure to noise;
 - (xxii) other hazardous manual tasks;
 - (xxiii) exposure to falling objects;
 - (xxiv) abrasive blasting;
 - (xxv) hazardous chemicals and substances; and
 - (xxvi) working in the vicinity of electrical wires; and
- (j) if design forms part of the work under the Contract, proposed design risk assessments, purchasing policies for plant, materials and substances, the process for meeting statutory requirements regarding design and the process for addressing design changes relevant to work health and safety considerations.

PART 5B OBLIGATIONS IF NOT PRINCIPAL CONTRACTOR

5B.1 APPLICATION OF PART 5B

This Part 5B applies if you have not been appointed as principal contractor for the purpose of the WHS Legislation (refer to the Schedule).

5B.2 OBLIGATIONS IF NOT PRINCIPAL CONTRACTOR

Where you are not appointed as the principal contractor (or as the person with control of the site on which the Works are being conducted) you must, and you must ensure all your employees, subcontractors and suppliers, comply with:

- (a) the WHS Management Plan (if any) of the principal contractor, if appointed (or the person appointed by the Principal to have control of the site on which the Works are being conducted, if no principal contractor is appointed); and
- (b) directions, notices and any other notifications issued for or on behalf of the principal contractor (or the person appointed by the Principal to have control of the site on which the Works are being conducted, if no principal contractor is appointed) referable to work health and safety matters.

5B.3 WHS MANAGEMENT PLAN

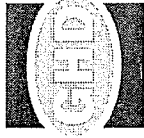
5B.3.1 If you have been appointed to have control of the site on which the Works are being conducted (see Schedule), you must, unless advised otherwise by the Principal:

- (a) prepare and supply to the Principal a WHS Management Plan either as a discrete plan or as a component of the project plan;
- (b) provide the WHS Management Plan before beginning work under the Contract; and
- (c) ensure all your employees, subcontractors and suppliers comply with the WHS Management Plan and any directions, notices or other notifications issued by you referable to work health and safety matters.

5B.3.2 The Principal will notify you as to the suitability of the submitted WHS Management Plan. The WHS Management Plan will be taken as suitable if the Principal has not responded within 7 days.

5B.3.3 The acceptance by the Principal of your WHS Management Plan will not relieve you of your obligations to comply with and demonstrate compliance with this Contract and the WHS Legislation (if applicable).

5B.3.4 You must regularly review your WHS Management Plan and continue to update and amend it and submit it (as necessary) in accordance with this Contract and WHS Legislation (if applicable).

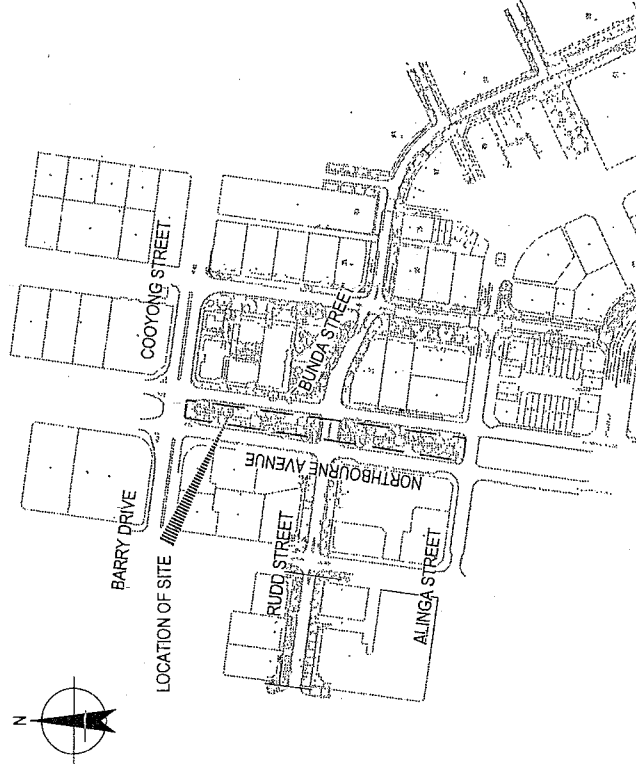


TERRITORY AND MUNICIPAL SERVICES

NORTHBOURNE AVENUE

PEDESTRIAN LIGHTING UPGRADE

13



DRAWING NO	DRAWING TITLE
Z3-14970-C000	COVER PAGE
Z3-14970-C001	PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
Z3-14970-C002	PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2
Z3-14970-C003	LIGHTING DETAILS
Z3-14970-C004	TEMPORARY TRAFFIC-MANAGEMENT PLAN AND TREE-MANAGEMENT PLAN - SHEET 1 OF 2
Z3-14970-C005	TEMPORARY TRAFFIC-MANAGEMENT PLAN AND TREE-MANAGEMENT PLAN - SHEET 2 OF 2

PRELIMINARY

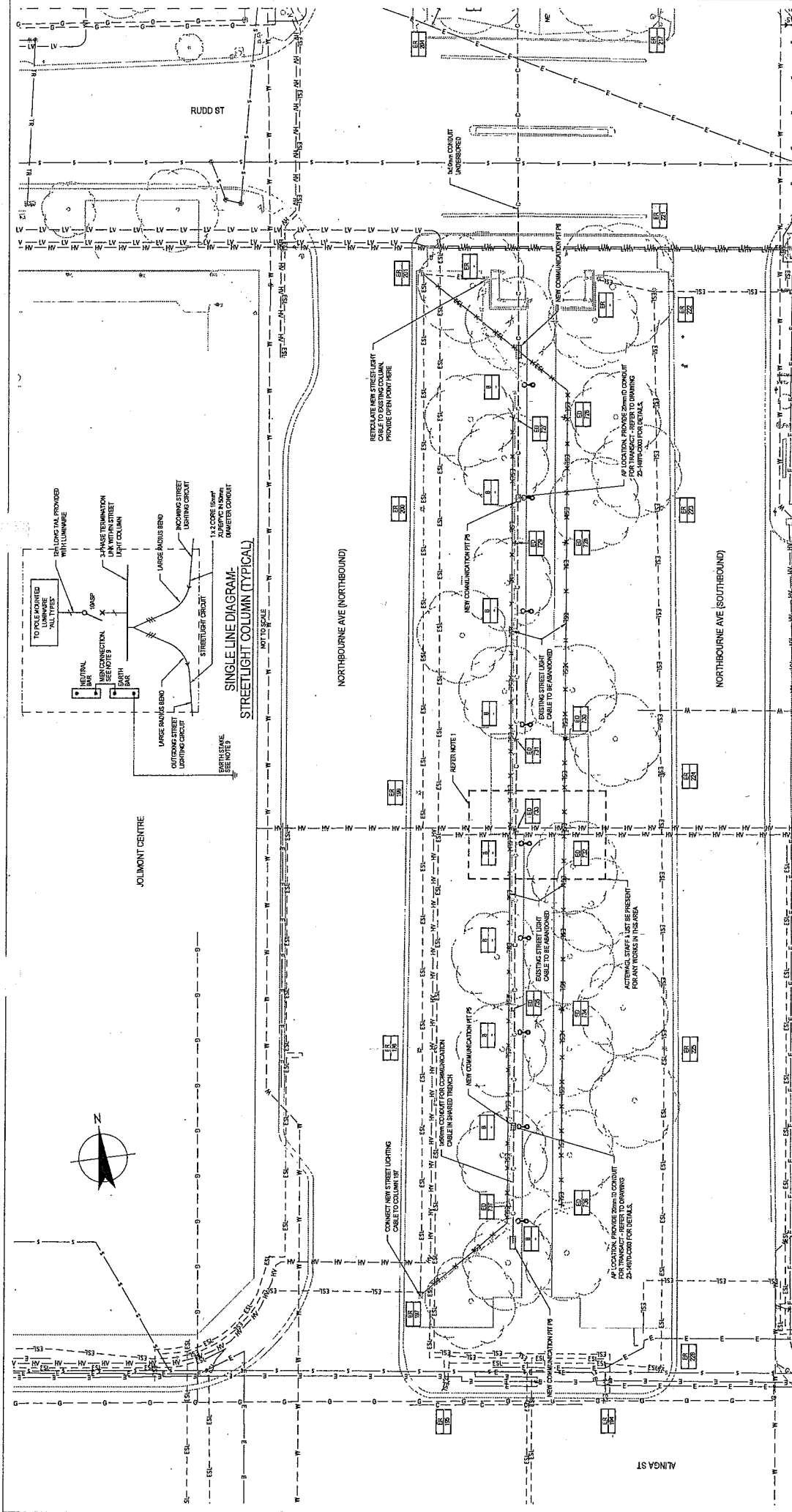
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	<p>Client: TAMS</p> <p>Project Title: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE</p>	
	<p>Project Title: COVER PAGE</p> <p>Drawing No: 23-14970-C000</p> <p>Sheet No: A1</p> <p>Revis: A</p>	

Issue For Tender: W T PE (06/03/14)
 Drawn: M. WILLIAMS
 Date: 06/03/14

No. of Revision: Nil
 Date: 06/03/14
 By: M. WILLIAMS
 Date: 06/03/14

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GFD File No: 02314970-C000-14970-C000-001
 Scale: 1:500



NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR BORING. WORKING BEMS INSERTED WITHIN LPOON LANDING CABLES BORE UP TO 2.0m FROM SURFACE.
- REFER TO SHEET 23-14970-C002 FOR STREET LIGHT FOOTING DETAILS.
- ALL WORK UNDERGROUND IS TO BE HYDRO-COMPLETED AND UNDERBORED.
- REFER TO SHEET 23-14970-C002 FOR STREET LIGHT COLUMN DETAILS.
- CONTRACTOR TO CONTACT STATEWIDE FROM BIRRELLA REGARDING INFORMATION REGARDING OVERHEAD CABLES IN THE WORK AREA PRIOR TO COMMENCING WORK ON SITE.
- CONTRACTOR TO CONTACT STATEWIDE FROM BIRRELLA REGARDING INFORMATION REGARDING OVERHEAD CABLES IN THE WORK AREA PRIOR TO COMMENCING WORK ON SITE.
- CONTRACTOR TO CONTACT STATEWIDE FROM BIRRELLA REGARDING INFORMATION REGARDING OVERHEAD CABLES IN THE WORK AREA PRIOR TO COMMENCING WORK ON SITE.
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LEGEND

---	NEW LOW VOLTAGE STREET LIGHT SUPPLY - 30.5mm W/N AL/PVC BROWN AND UPVC CONDUIT
---	EXISTING STREET LIGHT SUPPLY
---	EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
---	PROPOSED MULTI-BUNCTION COLUMN WITH 1.07m RISE, 18mm ALUMINE PEDESTAL LIGHTING LUMINAIRE, 12.5 CORE 100mm DIAMETER 1.5 METRES HIGH WITH 15 METRES OUTREACH
---	EXISTING STREET LIGHT TO REMAIN
---	EXISTING STREET LIGHT TO BE ABANDONED AND SENT TO APPROVED RECYCLING CENTRE

DO NOT SCALE

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Scale: AS SHOWN

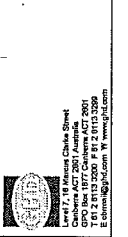
Project: TAMSD NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Sheet: A1
Drawing No: 23-14970-C001

Design: BOYBEE
Checked: EVANS
Approved: Director
Date: 02.10.13

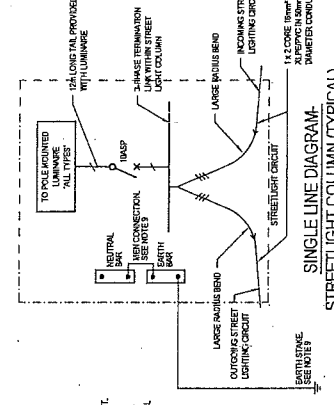
Drawn: N. MILLER
Checked: [blank]
Approved: [blank]
Date: [blank]

Proj No: 11695
Date: 3 March 2014 - 3:51 PM
Proj Path: \V:\V\03\14970\G1000\14970-D-14970-001.dwg
Scale: 1:1000 AT ORIGINAL SIZE

DO NOT SCALE
 Conditions of Use:
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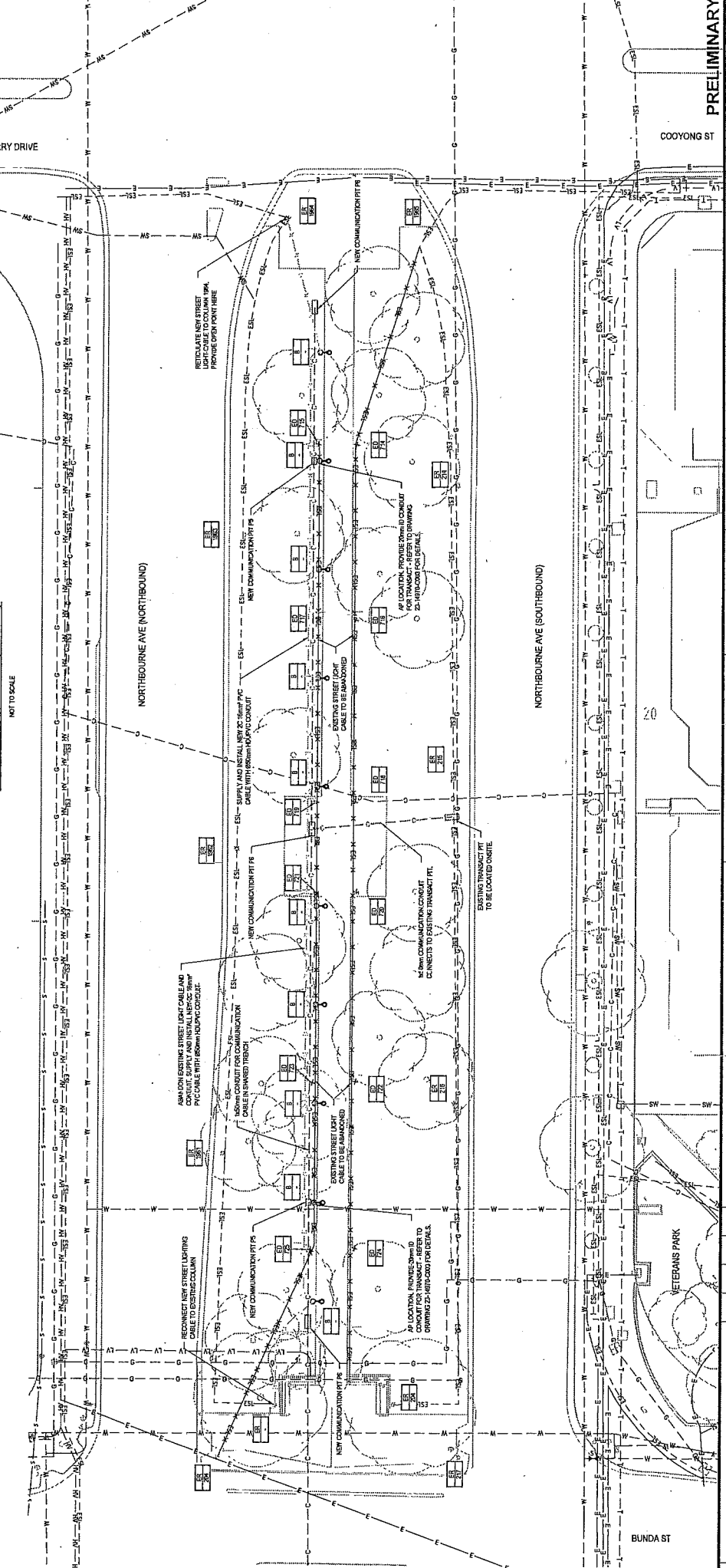
No.	Revision	Date	By	Checked	Description
B			WV	TY	ISSUE FOR TENDER
A			SOK	TY	PRELIMINARY ISSUE



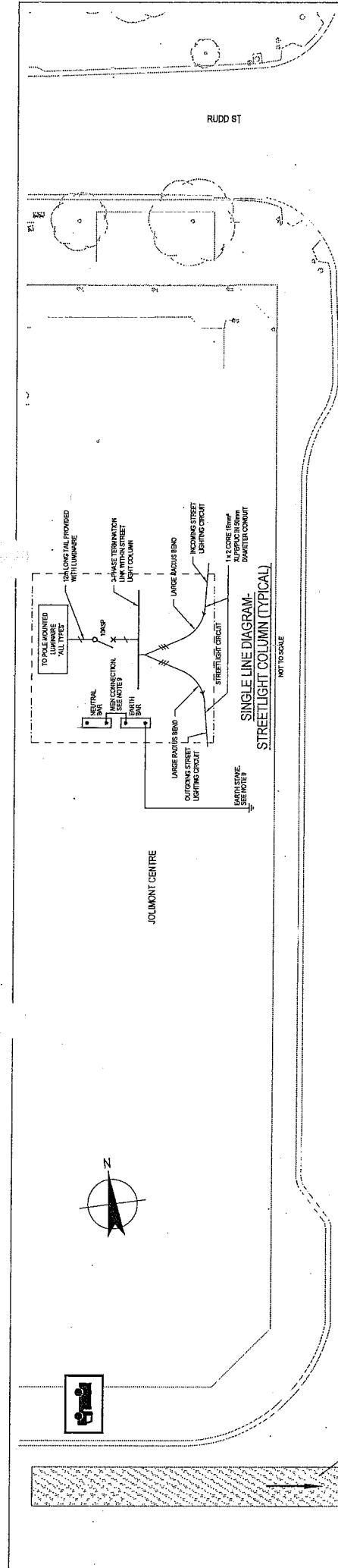
- NOTES**
- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH BY ELECTRICIAN. UNDERGROUND SERVICES TO BE MARKED WITH LAMP OR PIPES. REFER TO SHEET 23-14970-C001 FOR STREET LIGHT FOOTING DETAILS.
 - EXISTING STREET LIGHT SUPPLY TO BE REMOVED. NEW SUPPLY TO BE INSTALLED. REFER TO SHEET 23-14970-C001 FOR STREET LIGHT FOOTING DETAILS.
 - PROPOSED STREET LIGHT SUPPLY TO BE AMONGED.
 - PROPOSED STREET LIGHT SUPPLY TO BE AMONGED.
 - CONTRACTOR TO CONTACT STATEMENT FROM BUNDABELLA RAILGATION ON PROPOSED TRENCH. LOCATION OF THE TRENCH TO BE DETERMINED AFTER INSPECTION OF THE SITES AT THE BUNDABELLA RAILGATION. THE FINAL LOCATION TO BE DETERMINED AFTER INSPECTION OF THE SITES AT THE BUNDABELLA RAILGATION.
 - CONTRACTOR TO CONTACT STATEMENT FROM BUNDABELLA RAILGATION ON PROPOSED TRENCH. LOCATION OF THE TRENCH TO BE DETERMINED AFTER INSPECTION OF THE SITES AT THE BUNDABELLA RAILGATION. THE FINAL LOCATION TO BE DETERMINED AFTER INSPECTION OF THE SITES AT THE BUNDABELLA RAILGATION.
 - STREET LIGHT CONDUIT TRENCH SHOWN IS DIAGRAMMATIC ONLY. CONTRACTOR TO OBTAIN APPROVAL FROM THE SUPERINTENDENT FOR FINAL ALIGNMENT PRIOR TO TRENCHING.

LEGEND

---	NEW LOW VOLTAGE STREET LIGHT SUPPLY - 25mm CONDUIT WITH 3mm DIA. CONDUIT
---	EXISTING STREET LIGHT SUPPLY
-x-x-x-	EXISTING STREET LIGHT SUPPLY TO BE AMONGED
○	PROPOSED STREET LIGHT COLUMN WITH 1.5m METAL WALL MOUNTED LIGHTING LUMINAIRE EQUAL TO EXISTING EXCEPT MOUNTED 4.5 METRES HIGH WITH 10 METRES OUTREACH
○	EXISTING STREET LIGHT TO REMAIN
*	EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE
- - - - -	3mm CONDUIT FOR COMMUNICATION CABLE IN SHARED TRENCH
---	3mm CONDUIT FOR COMMUNICATION CABLE UNDERGROUND ACROSS ROAD STREET
- - - - -	COMMUNICATION FIT PS
□	COMMUNICATION FIT PS

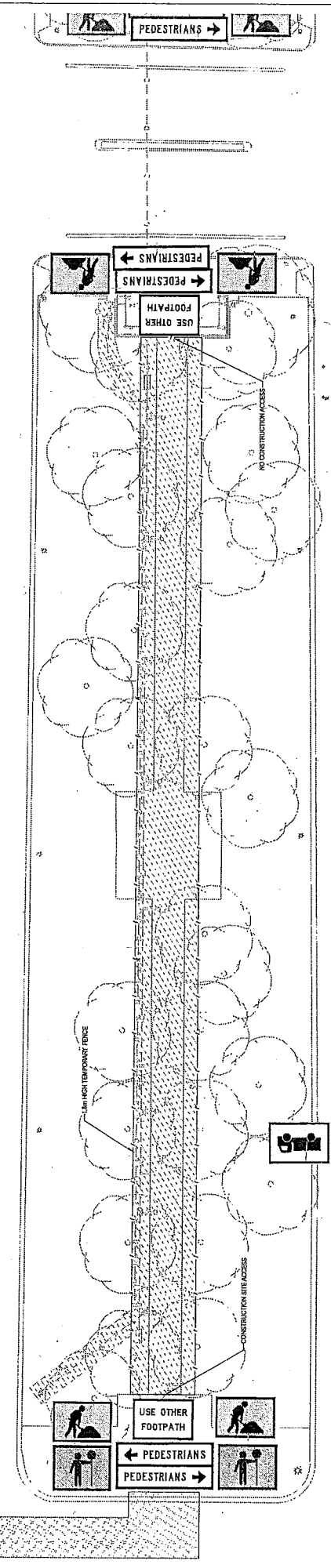


0 1 2 3 4 5 6 7 8 9 10m
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 ISSUE FOR TENDER
 PRELIMINARY ISSUE
 Date: 02/10/13
 Drawn: WV
 Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
 No. 23-14970-C002
 City: Northbourne, Vic. 3000

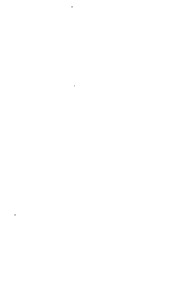


NORTHBOURNE AVE (NORTHBOUND)

NORTHBOURNE AVE (SOUTHBOUND)



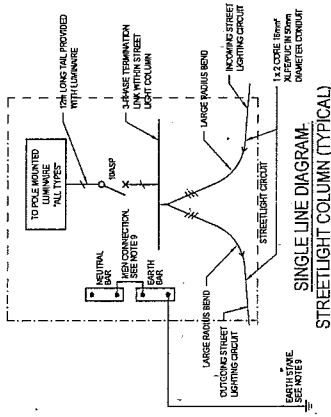
- NOTES**
1. ALL CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS SITES.
 2. TEMPORARY FENCE TO BE 1.5M HIGH TO MEET TTM AND TREE MANAGEMENT PLAN REQUIREMENTS.
 3. ALL ACCESS SITES TO BE PRESENT AT ALL TIMES WITH CONSTRUCTION EQUIPMENT ENTRANCE OR LEAVING SITE.
 4. THE TREE MANAGEMENT PLAN TREE PROTECTION REQUIREMENTS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT.
 5. ALL CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.5M HIGH TEMPORARY FENCE.
 6. WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.



DO NOT SCALE		Client	Designer	Drawn	Checked	Approved	Date	Scale
<p>Conditions of Use: This document is only to be used by the client for the project for which it was prepared and for no other purpose.</p>		TAMS	AS BROWN	AS BROWN	AS BROWN	AS BROWN	03.03.14	AS BROWN
<p>Conditions of Use: This document is only to be used by the client for the project for which it was prepared and for no other purpose.</p>		Project Title	Project Title	Project Title	Project Title	Project Title	Project Title	Project Title
<p>Conditions of Use: This document is only to be used by the client for the project for which it was prepared and for no other purpose.</p>		Project Title	Project Title	Project Title	Project Title	Project Title	Project Title	Project Title

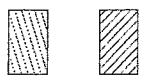


BARRY DRIVE



WORK ZONE - STAGE 1

WORK ZONE - STAGE 2



TRAFFIC CONTROLLER T1.34

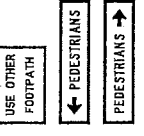
PREFERRED SITE ACCESS ROUTE



USE OTHER PATH T1.3

PEDESTRIAN (LEFT ARROW) T1.2

PEDESTRIAN (RIGHT ARROW) T1.2



WORKER T1.5A

TRUCKS CROSSING OR ENTERING T2.25

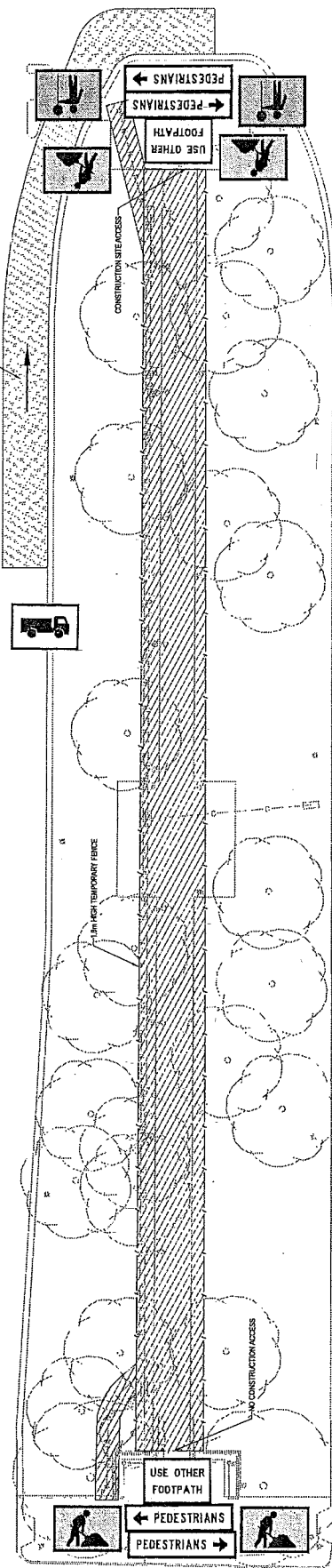
1.5m HIGH TEMPORARY FENCE



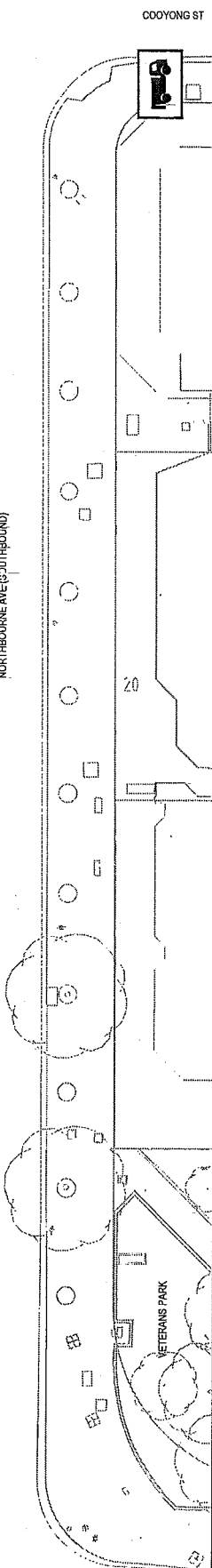
NOTES

1. NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLES ACCESS OUTSIDE OF DESIGNATED ACCESS GATES.
2. TEMPORARY FENCE TO BE 1.5m HIGH TO MEET T1M AND T1P REQUIREMENTS.
3. ACCESS GATES TO BE PRESENT AT ACCESS GATES WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
4. WRITER AUTHORIZATION FROM ASSET ACCEPTANCE IS REQUIRED PRIOR TO ANY WORK BEING CARRIED OUT ON THE SITE.
5. NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.5m HIGH TEMPORARY FENCE.
6. WORKERS TO WEAR HIGH VISIBLE CLOTHING.
7. WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)



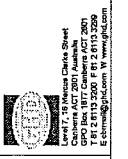
COOYONG ST

BUNDA ST

PRELIMINARY

Client	TAMSJ
Project	NORTHBOURNE AVE
Design	AS BROWN
Scale	AS SHOWN
Issue For Tender	Yes
Drawn	AS BROWN
Checked	AS BROWN
Project No.	23-14970-C005
Sheet No.	2 OF 2
Revision	None
Date	09.03.14
Scale	AS SHOWN
Author	AS BROWN
Drawn	AS BROWN
Checked	AS BROWN
Project No.	23-14970-C005
Sheet No.	2 OF 2
Revision	None
Date	09.03.14
Scale	AS SHOWN
Author	AS BROWN
Drawn	AS BROWN
Checked	AS BROWN

Drawing No: 23-14970-C005 Rev: A



12 A

Bruan, Nicole

From: Bruan, Nicole
Sent: Friday, 19 December 2014 11:37 AM
To: Bruan, Nicole
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 FOR ISSUE.zip; T22727.400 Invitation to Tender - Acclaim.pdf

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Tuesday, 22 April 2014 5:10 PM
To: Ivan Potrebica
Cc: Deschamps, Chris
Subject: T22727.400 Armoured Cabling Works Northbourne Avenue City

Ivan,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD
T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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This e-mail has been scanned for viruses



22 April 2014

Acclaim Contractors Pty Ltd

Our ref: 23/14803
Your ref: 73567

Dear Ivan

**T22727.400 Armoured Cabling Works Northbourne Ave City
Invitation to Tender for Works**

We are pleased to invite you to submit a tender to undertake works for the installation of pedestrian lighting, electrical and communications cabling and conduits in Northbourne Avenue, City, on behalf of the ACT Government and Territory and Municipal Services Directorate (TAMSD).

Provided with this letter are the following documents that set out the requirements for the works:

1. Request for Tender Document including Technical Exception Clauses and Tree Management Plan;
2. Drawings; and
3. Schedule of Estimated Quantities;

The deadline for submitting tenders in regard to the above is 2:00pm Thursday 8 May 2014.

Regards
GHD Pty Ltd

Tristan Yeats
Civil Infrastructure Engineer
61 2 6113 3406

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0		\$ -
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0		\$ -
1.3	Services clearances	Lump Sum	1.0		\$ -
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0		\$ -
	Total Preliminaries				\$ -
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0		\$ -
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, ragbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0		\$ -
2.4	Excavate by hydro excavation slots for all poles (1.2 lineal metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0		\$ -
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0		\$ -
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0		\$ -
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0		\$ -
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0		\$ -
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0		\$ -
	Total Street Lighting				\$ -
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0		\$ -
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0		\$ -
3.3	Install new communication pit type P5 at AP location	No.	4.0		\$ -
3.4	Install new communication pit type P6	No.	5.0		\$ -
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ -
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ -
	GST			10%	\$ -
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ -

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0	\$	\$
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclist management, set up, maintenance and removal.	Lump Sum	1.0	\$	\$
1.3	Services clearances	Lump Sum	1.0	\$	\$
1.4	Other free protection measures as per free management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0	\$	\$
	Total Preliminaries				\$
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0	\$	\$
2.3	Inspect and transport Principal supplied light columns, luminaires, outreaches arms, radials and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0	\$	\$
2.4	Excavate by hydro excavation slots for all poles (1.2 linear metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0	\$	\$
2.5	Excavate footing - construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0	\$	\$
2.5	Excavate/ trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendent approval following slot investigation. Note at excavation within 17Z is to be hydro excavation only or underbore.	m	250.0	\$	\$
2.7	Relocate 2C 16mm XLPE/PVC cabling in 50mm dia orange conduit	m	450.0	\$	\$
2.8	Connect and commission lights to taMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0	\$	\$
2.10	WAE drawings to taMS and ACTEW requirements	Lump Sum	1.0	\$	\$
	Total Street Lighting				\$ 9,000.00
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0	\$	\$
3.2	Underbore and run 1 x 50mm communication conduit across Rural Street and connect to new communication pits	Lump Sum	1.0	\$	\$
3.3	Install new communication pit type PS at AP location	No.	4.0	\$	\$
3.4	Install new communication pit type PS	No.	5.0	\$	\$
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ 3,000.00
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ 11,000.00
	GST			10%	\$ 1,100.00
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ 12,100.00



ACT
Government

Commerce and Works

TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel:(02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street
LYNEHAM ACT 2602

SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02 6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK (‘the Works’)	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No	
Services Description:	
Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include: <ul style="list-style-type: none"> • Mobilisation and site establishment. • Temporary traffic management for the works including submission and approval of plans. • Services clearances and locations. • Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. • The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. • The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. • Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. • Excavation/trenching and installation of electrical conduits with draw wire for new street lights. • Restoration of all disturbed area to match existing conditions. 	

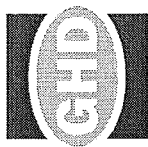
<ul style="list-style-type: none"> • Inspection and transport of Principal supplied lighting equipment including rag bolts. • Excavation and construction of street light column footings including supply of reinforcement cages. • Assembly and erection of light poles including all fittings and rag bolts. • Reticulation of electrical cabling. • Connection and commissioning of lighting poles in conjunction with ACTEW. • Preparation of WAE drawings to TAMS and ACTEW requirements. • The works are to be staged and constructed to allow the following: <ul style="list-style-type: none"> - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public. - Stage Two is to commence immediately after Stage One is completed and has reached practical completion. • Liquidated Damages: \$2,500.00 per week. 	
TOTAL PRICE (GST Inclusive) (in words)	\$

WORK HEALTH AND SAFETY MATTERS	
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).	No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?	Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)	Yes
PRINCIPAL'S DETAILS	
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601
Telephone	02 6207 6222 or 0414 463 550
Facsimile	02 6207 6587
Email Address	Chris.deschamps@act.gov.au
Principal's Representative	Chris Deschamps – Street Light and Asset Acceptance Coordinator

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
Tenderer's Name (including ABN or ACN if a company)	
	ACN/ABN
Address for the service of notices	
Telephone	
Facsimile	
Email Address	
I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.	Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company Date

ACCEPTANCE OF TENDER	
Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.	Signature Date

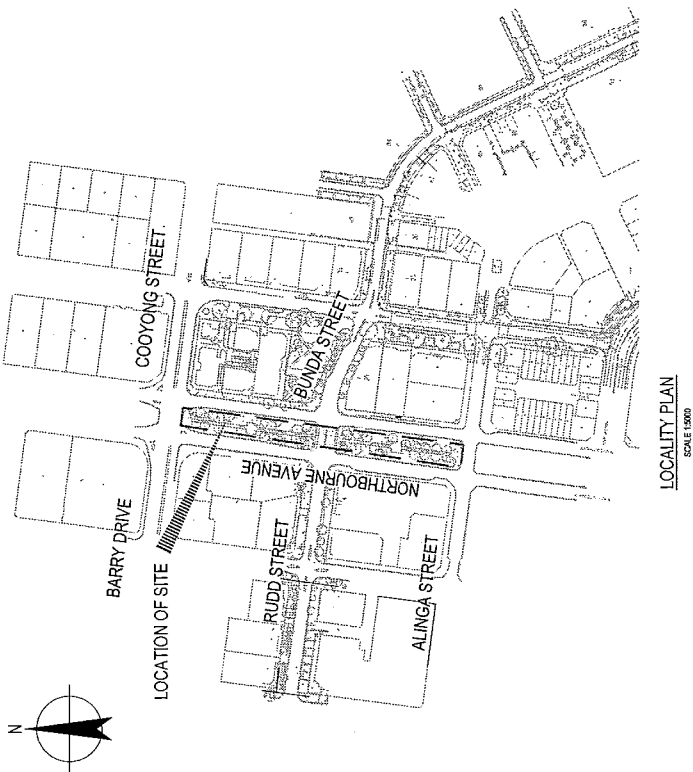


TERRITORY AND MUNICIPAL SERVICES

NORTHBOURNE AVENUE

PEDESTRIAN LIGHTING UPGRADE

DRAWING NO	DRAWING TITLE
23-14970-C000	COVER PAGE
23-14970-C001	PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
23-14970-C002	PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2
23-14970-C003	LIGHTING DETAILS
23-14970-C004	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 1 OF 2
23-14970-C005	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 2 OF 2



LOCALITY PLAN
SCALE 1:1500

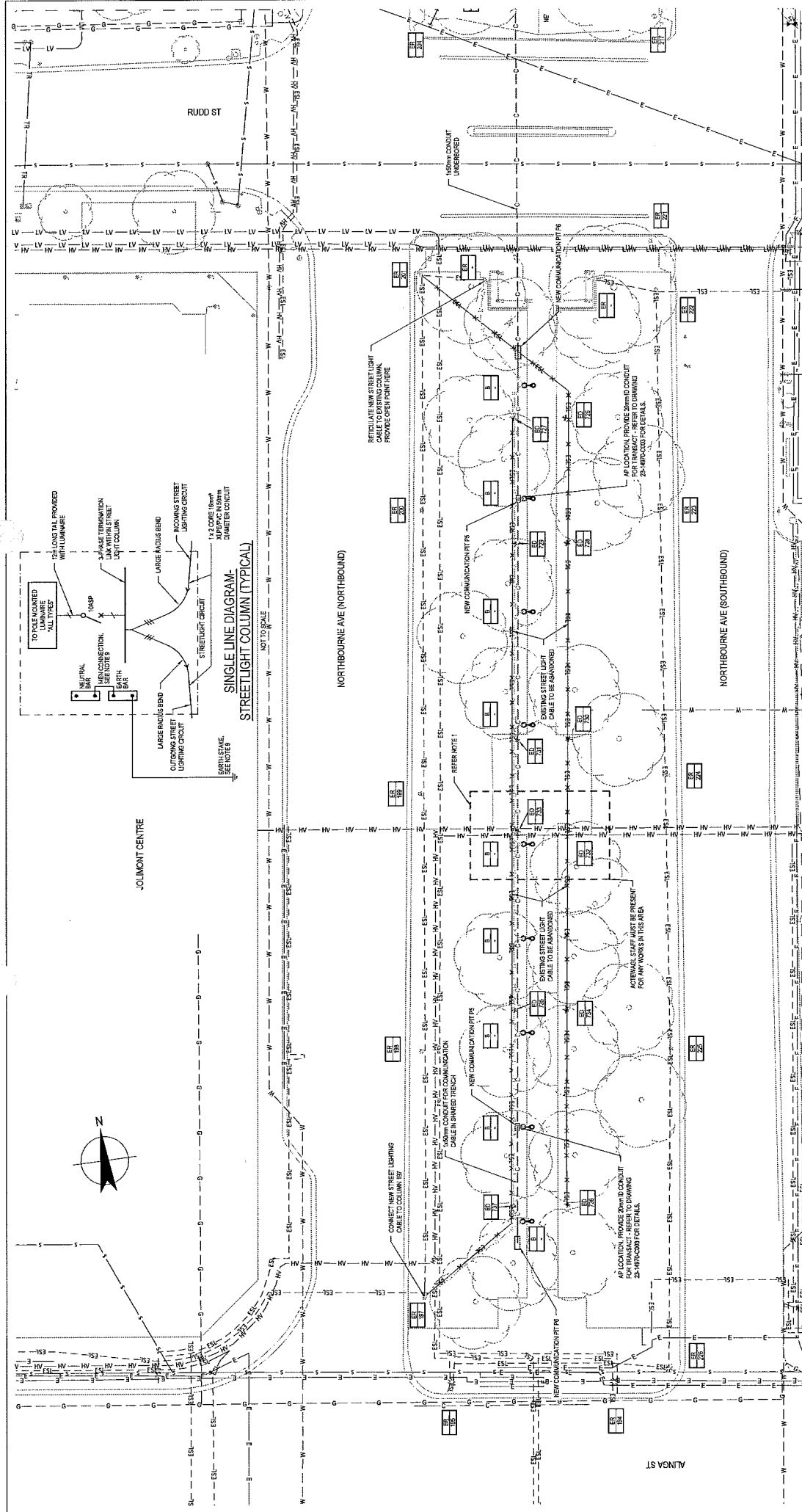
No.	Revision	Date	By	Checked	Project	Drawn	Checked
A	ISSUE FOR TENDER	08.03.14	W.P.	P.E.	08.03.14		



CH2M
Level 7, 15 Market Chalk Street
Geelong VIC 3220
Tel: 08 149 3000 Fax: 08 149 3001
Email: enquiry@ch2m.com.au

DO NOT SCALE
This document is for informational purposes only. It is not to be used for any other purpose.
CH2M shall not be held responsible for any errors, omissions or inaccuracies in this drawing, and shall not be held responsible for any consequences arising from the use of this drawing.

PRELIMINARY
Client: TAMSND
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: COVER PAGE
Drawing No: 23-14970-C000
Rev: A



NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR DRIVING WORKS BEING UNDERTAKEN. LOCATING CABLES MORE UP TO 20 METRES DEPTH IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL WORKS UNDERMAY TAKE 24 HOURS TO BE UNDERTAKEN PRIOR TO ANY WORKS BEING UNDERTAKEN. REFER TO SHEET 23-14970-C-001 FOR FURTHER DETAILS.
- CONTRACTOR TO CONTACT STEWART FROM BRUNSWICK STREET FOR ANY WORKS BEING UNDERTAKEN. SYSTEM WITHIN WORKZONE PRIOR TO COMMENCING WORK.
- CONTRACTOR TO CONTACT STEWART FROM BRUNSWICK STREET FOR ANY WORKS BEING UNDERTAKEN. SYSTEM WITHIN WORKZONE PRIOR TO COMMENCING WORK.
- ALIGNMENT OF COLUMN SHALL BE DETERMINED AFTER INSPECTION OF THE GROUND. THE SUBMITTANT SHALL PROVIDE A CONNECTION TO THE SUBMITTANT TO BE APPROVED BY THE SUPERINTENDENT FOR FINAL ALIGNMENT FROM TO TRENCHING.

- LEGEND**
- NEW 100mm DIA STREET LIGHT SUPPLY - 20' HIGH IN 100mm DIA CONDUIT
 - EXISTING STREET LIGHT SUPPLY
 - EXISTING STREET LIGHT SUPPLY TO BE REMOVED
 - PROPOSED MULTIFUNCTION COLUMN WITH 1 x 7W METAL HALIDE MOUNTED AS METRES HIGH WITH LUMENIES OUTLOOK AREA
 - EXISTING STREET LIGHT TO REMAIN
 - EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLE CENTRE
 - NEW COMMUNICATION FIT
 - NEW COMMUNICATION FIT TRENCH
 - EXISTING COMMUNICATION CABLE UNDERGROUND
 - EXISTING COMMUNICATION CABLE UNDERGROUND
 - COMMUNICATION FIT
 - COMMUNICATION FIT TRENCH

PRELIMINARY

TAMS NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE

PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2

Drawing No: **23-14970-C001** Rev: **B**

DO NOT SCALE

Client: **TAMS**
 Designer: **M. MILLER**
 Project: **NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE**
 Title: **PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2**

Drawn: **S. CRIBBE**
 Checked: **P. EVANS**
 Approved: **P. EVANS**
 Project Director: **P. EVANS**
 Date: **02.10.13**
 Scale: **AS SHOWN**

This drawing may only be used by the person whose name is printed on it. It is not to be used for any other purpose. If you are not the person whose name is printed on it, you should contact the person whose name is printed on it for more information.

Legend:
 W: WATER
 S: SEWER
 G: GAS
 E: ELECTRICITY
 T: TELEPHONE
 F: FIBRE OPTIC
 M: METAL HALIDE
 L: LUMENIES OUTLOOK AREA

Scale: 1:100 AT ORIGINAL SIZE

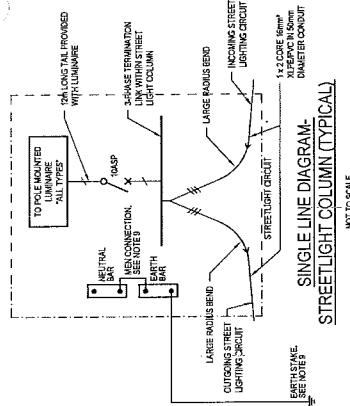
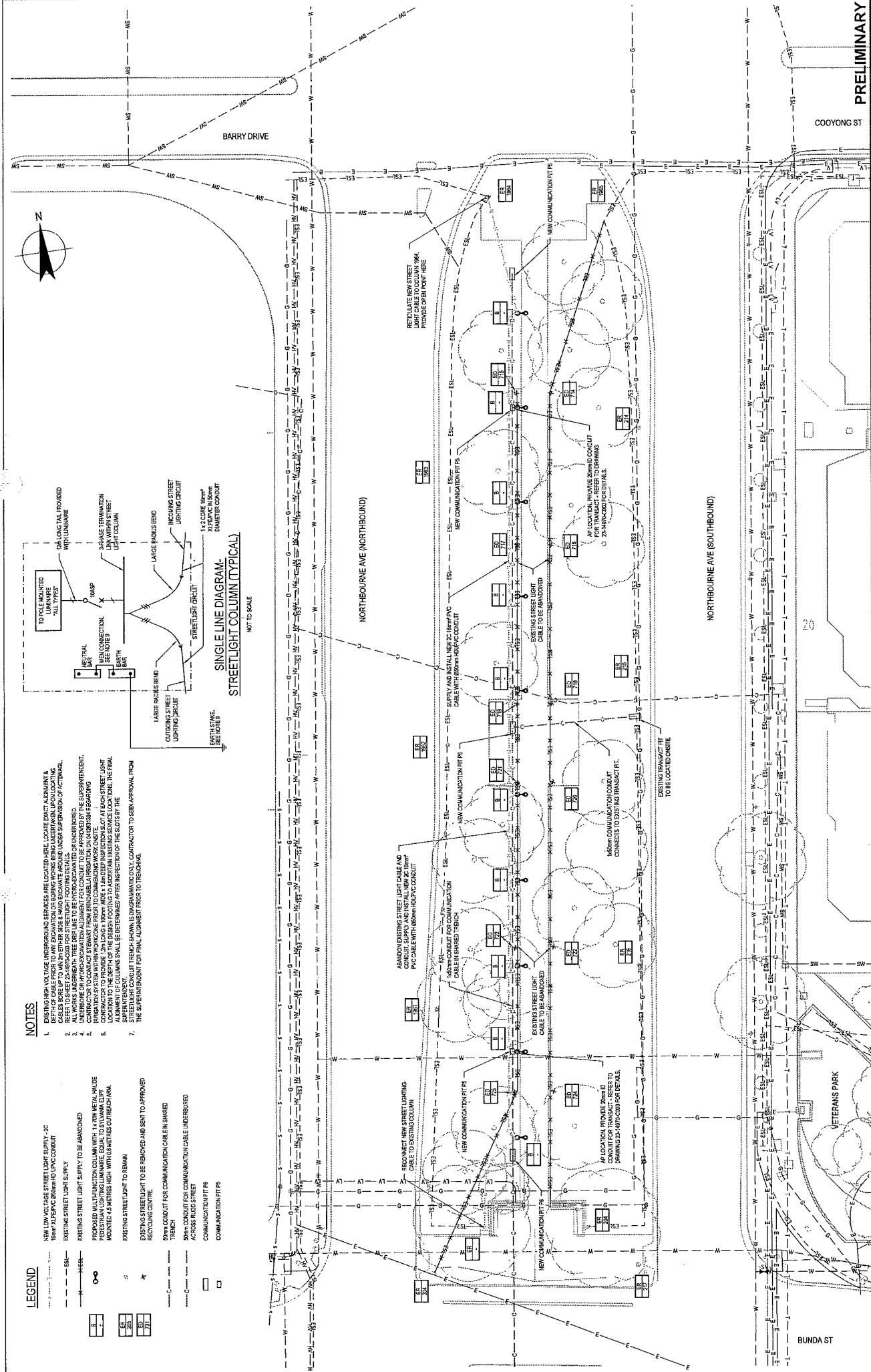
Revision: Rev: B - Issued for construction

Issue for Tender: W, T, F, M, L

Issue for Preliminary: B, A

Author: S. CRIBBE
Checked: P. EVANS
Project Director: P. EVANS

Company: TAMS
 Level 17, 15 Market Street
 T 02 8113 3200 F 02 8113 3209
 E info@tams.com.au W www.tams.com.au



- NOTES**
- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED WHERE LOCATED. LOCATE EXISTING SERVICES AND CABLES BORE UP TO MIN 2m EITHER SIDE & HAND EXCAVATE AROUND UNDER SUPERVISION OF ACTING WIREMAN. REFER TO SHEET 23-14970-01 FOR DETAILS OF FOOTING DETAILS.
 - UNDERBONE OR APPROXIMATE ALIGNMENT FOR CONDUIT TO BE APPROVED BY THE SUPERINTENDENT. CONTRACTOR TO CONTACT STORMWATER ENGINEER FOR APPROVAL OF UNDERBONE ALIGNMENT.
 - CONTRACTOR TO PROVIDE 20mm LONG x 10mm WIDE x 1.8m DEEP ASPHALT SLOT AT EACH STREET LIGHT LOCATION TO THE DEPTH OF THE DEPTH FOOTING TO ASSIST IN EXISTING SERVICE LOCATIONS. THE FINAL LOCATION SHALL BE DETERMINED AFTER INSPECTION OF THE SLOTTING BY THE SUPERINTENDENT.
 - STREET LIGHT CONDUIT TRENCH SHOWN IS IMPROVEMENT ONLY. CONTRACTOR TO SEEK APPROVAL FROM THE SUPERINTENDENT FOR FINAL ALIGNMENT PRIOR TO TRENCHING.

- LEGEND**
- NEW LOW VOLTAGE STREET LIGHT SUPPLY - 0C
 - EXISTING STREET LIGHT SUPPLY
 - EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
 - PROPOSED MULTIFUNCTION COLUMN WITH 150MM METAL HALIDE PEDESTRIAN LIGHTING LUMINAIRE EQUAL TO EXISTING LIGHT MOUNTED 1.5 METRES HIGH WITH 1.8 METRES OUTREACH ARM
 - EXISTING STREET LIGHT TO REMAIN
 - EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE
 - 50mm CONDUIT FOR COMMUNICATION CABLE IN SHARED TRENCH
 - 50mm CONDUIT FOR COMMUNICATION CABLE UNDERBONE
 - ACCESS ROAD STREET
 - COMMUNICATION PIT PS
 - COMMUNICATION PIT PS

PRELIMINARY

TAMS
NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE

PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2

Client: TAMS
 Designer: S. CRIBBE
 Project: Northbourne Ave
 Title: Pedestrian Lighting Layout - Sheet 2 of 2

Approved: P. EVANS
 (Project Director)
 Date: 02.10.13

Scale: AS SHOWN

Organization: A1
 Drawing No: 23-14970-C002

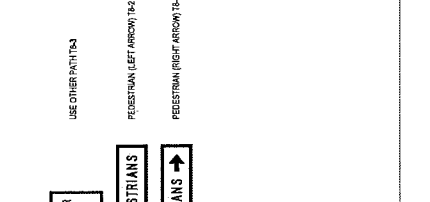
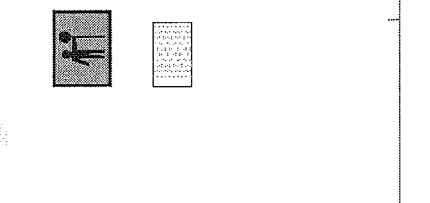
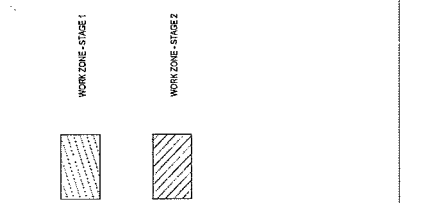
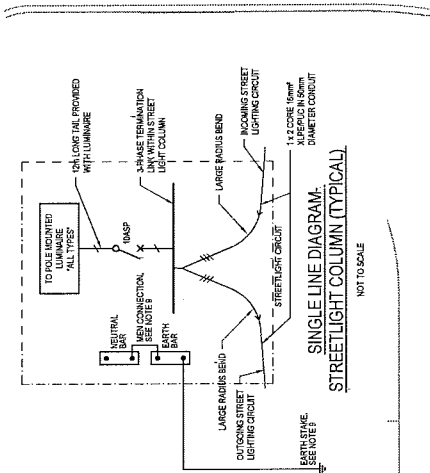
Revised: 3 March 2014 - 3:58 PM
 Prepared by: Van Vu

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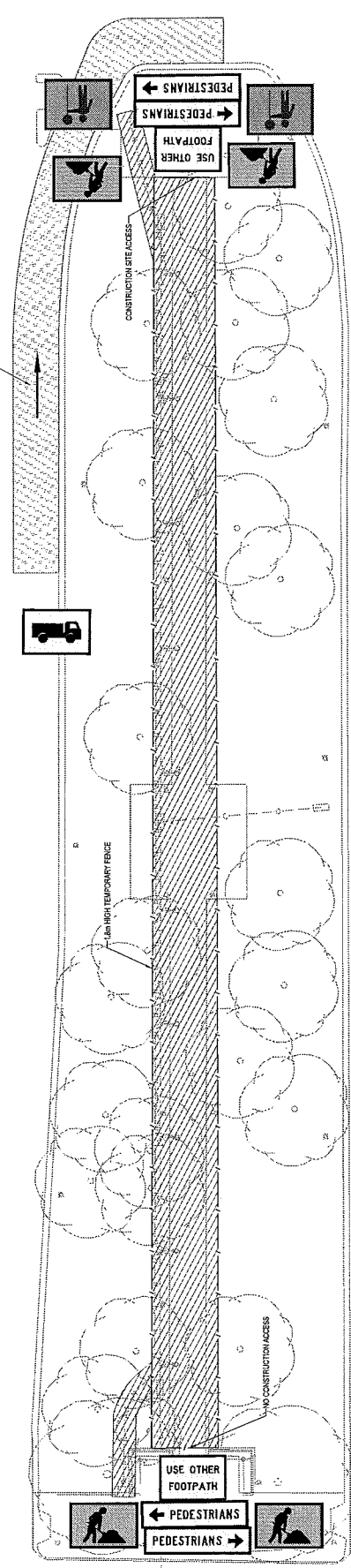
Level 7, 15 Alameda Drive
 Suite 107, South Melbourne VIC 3201
 Tel: 2 8118 3300 Fax: 2 8118 3299
 E: enquiring@tams.com.au W: www.tams.com.au

Rev	Issue	Date
B	ISSUE FOR TENDER	07.03.14
A	PRELIMINARY ISSUE	02.10.13

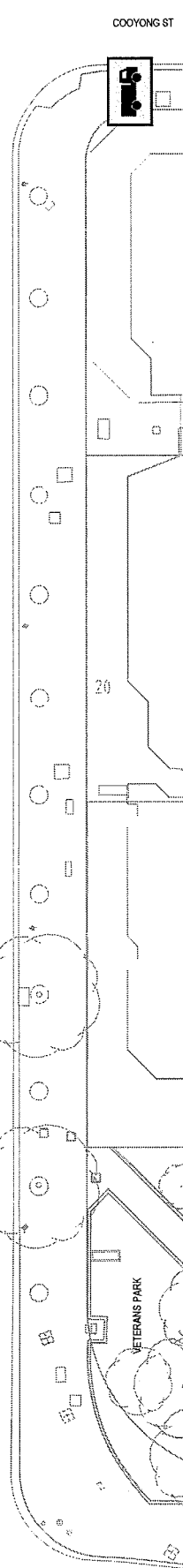


- LEGEND**
- WORKER T1-6A
 - TRUCKS (CROSSINGS OR ENTERING) T2-25
 - 1.8m HIGH TEMPORARY FENCE
 - USE OTHER FOOTPATH
 - PEDESTRIANS (LEFT ARROW) T4-2
 - PEDESTRIANS (RIGHT ARROW) T4-2
 - TRAFFIC CONTROL T1-34
 - PREFERRED SITE ACCESS ROUTE
 - WORK ZONE - STAGE 1
 - WORK ZONE - STAGE 2
- NOTES**
- CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS GATES.
 - TEMPORARY FENCE TO BE 1.8m HIGH TO MEET TTM AND TMP REQUIREMENTS.
 - LEAVING GATES TO BE PRESENT AT ACCESS GATES WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
 - WRITING AND THORSTON FROM ASSET ACCEPTANCE IS REQUIRED PRIOR TO ANY WORK COMMENCING ON THE SITE.
 - NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.8m HIGH TEMPORARY FENCE.
 - WORK IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)



PRELIMINARY

**TAIMSD
NORTHBOURNE AVE PEDSTRIAN LIGHTING UPGRADE
SHEET 2 OF 2**

Client	Project	Task	Contract	Drawing No:	Rev:
TAIMSD	NORTHBOURNE AVE PEDSTRIAN LIGHTING UPGRADE	SHEET 2 OF 2		23-14970-C005	A

Drawing No: 23-14970-C005 Rev: A

This drawing must be used for construction only. It is not to be used for any other purpose.

Scale: AS SHOWN

Date: 06.03.14

Approved (Project Director): P. EVANS

Checked (Project Engineer): S. ONGERE

Designed (Designer): M. WILLIAMS

Drawn (Draftsman): M. WILLIAMS

Issue For Tender: W T T FE 06.03.14

No. Revision: N/A

File Path: G:\GIS\PROJECTS\2013-14\23-14970-C005.dwg

Printed by: VAN VU

Date: 31 Mar 2014 1:32:58 PM

123

Bruan, Nicole

From: Bruan, Nicole
Sent: Friday, 19 December 2014 11:37 AM
To: Bruan, Nicole
Subject: FW: T22727.400 Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 FOR ISSUE.ZIP; T22727.400 Invitation to Tender - Acclaim.pdf

From: Tristan Yeats [mailto:Tristan.Yeats@ghd.com]
Sent: Tuesday, 22 April 2014 5:10 PM
To: Hourigan, Doug
Cc: Owen, Mick; Deschamps, Chris
Subject: T22727.400 Armoured Cabling Works Northbourne Avenue City

Doug,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD
T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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This e-mail has been scanned for viruses



22 April 2014

Acclaim Contractors Pty Ltd

Our ref: 23/14803

Your ref: 73567

Dear Ivan

**T22727.400 Armoured Cabling Works Northbourne Ave City
Invitation to Tender for Works**

We are pleased to invite you to submit a tender to undertake works for the installation of pedestrian lighting, electrical and communications cabling and conduits in Northbourne Avenue, City, on behalf of the ACT Government and Territory and Municipal Services Directorate (TAMSD).

Provided with this letter are the following documents that set out the requirements for the works:

1. Request for Tender Document including Technical Exception Clauses and Tree Management Plan;
2. Drawings; and
3. Schedule of Estimated Quantities;

The deadline for submitting tenders in regard to the above is 2:00pm Thursday 8 May 2014.

Regards
GHD Pty Ltd

Tristan Yeats
Civil Infrastructure Engineer
61 2 6113 3406

T22727.400 ARMoured CABLING WORKS NORTHBOURNE AVENUE CITY Schedule of Estimated Quantities V1.0

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management	Lump Sum	1.0		\$ -
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0		\$ -
1.3	Services clearances	Lump Sum	1.0		\$ -
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0		\$ -
	Total Preliminaries				\$ -
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0		\$ -
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, ragbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0		\$ -
2.4	Excavate by hydro excavation slots for all poles (1.2 lineal metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0		\$ -
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0		\$ -
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0		\$ -
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0		\$ -
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0		\$ -
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0		\$ -
	Total Street Lighting				\$ -
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0		\$ -
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0		\$ -
3.3	Install new communication pit type P5 at AP location	No.	4.0		\$ -
3.4	Install new communication pit type P6	No.	5.0		\$ -
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ -
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ -
	GST			10%	\$ -
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ -

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0	\$	\$
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0	\$	\$
1.3	Services clearances	Lump Sum	1.0	\$	\$
1.4	Other tree protection measures as per tree management plan (includes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0	\$	\$
	Total Preliminaries				\$
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent.	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0	\$	\$
2.3	Inspect and transport principal supplied light columns, luminaires, outreach arms, rabbits and other fittings as specified to site from depot (within 50km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0	\$	\$
2.4	Excavate by hydro excavation slots for all poles (1.2 linear metres). In locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 4.2m length. Restore and backfill included.	No	18.0	\$	\$
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	18.0	\$	\$
2.6	Excavate/ trench install electrical conduits with draw wire to steel lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0	\$	\$
2.7	Relocate 2x 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	455.0	\$	\$
2.8	Connect and commission lights to rAMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0	\$	\$
2.10	WAE drawings to rAMS and ACTEW requirements	Lump Sum	1.0	\$	\$
	Total Street Lighting				\$ 9,000.00
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0	\$	\$
3.2	Undersore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0	\$	\$
3.3	Install new communication pit type P5 at AP location	No.	4.0	\$	\$
3.4	Install new communication pit type P5	No.	5.0	\$	\$
3.5	Hydroexcavate/undersore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ 3,000.00
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ 11,000.00
	GST			10%	\$ 1,100.00
	LUMP SUM/FEE INCL PS ITEMS (inc. GST)				\$ 12,100.00



ACT
Government

Commerce and Works

TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel:(02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street
LYNEHAM ACT 2602

SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02 6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK (the Works')	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No	
Services Description:	
<p>Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include:</p> <ul style="list-style-type: none"> • Mobilisation and site establishment. • Temporary traffic management for the works including submission and approval of plans. • Services clearances and locations. • Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. • The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. • The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. • Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. • Excavation/trenching and installation of electrical conduits with draw wire for new street lights. • Restoration of all disturbed area to match existing conditions. 	

<ul style="list-style-type: none"> • Inspection and transport of Principal supplied lighting equipment including rag bolts. • Excavation and construction of street light column footings including supply of reinforcement cages. • Assembly and erection of light poles including all fittings and rag bolts. • Reticulation of electrical cabling. • Connection and commissioning of lighting poles in conjunction with ACTEW. • Preparation of WAE drawings to TAMS and ACTEW requirements. • The works are to be staged and constructed to allow the following: <ul style="list-style-type: none"> - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public. - Stage Two is to commence immediately after Stage One is completed and has reached practical completion. • Liquidated Damages: \$2,500.00 per week. 	
TOTAL PRICE (GST Inclusive) (in words)	\$

WORK HEALTH AND SAFETY MATTERS	
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).	No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?	Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)	Yes
PRINCIPAL'S DETAILS	
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601
Telephone	02 6207 6222 or 0414 463 550
Facsimile	02 6207 6587
Email Address	Chris.deschamps@act.gov.au
Principal's Representative	Chris Deschamps – Street Light and Asset Acceptance Coordinator

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
<p style="text-align: center;">Tenderer's Name (including ABN or ACN if a company)</p>	
	ACN/ABN
<p style="text-align: center;">Address for the service of notices</p>	
<p style="text-align: center;">Telephone Facsimile</p>	
<p style="text-align: center;">Email Address</p>	
<p>I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.</p>	<p>Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company</p> <p>Date</p>

ACCEPTANCE OF TENDER	
<p>Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.</p>	<p>Signature</p> <p>Date</p>

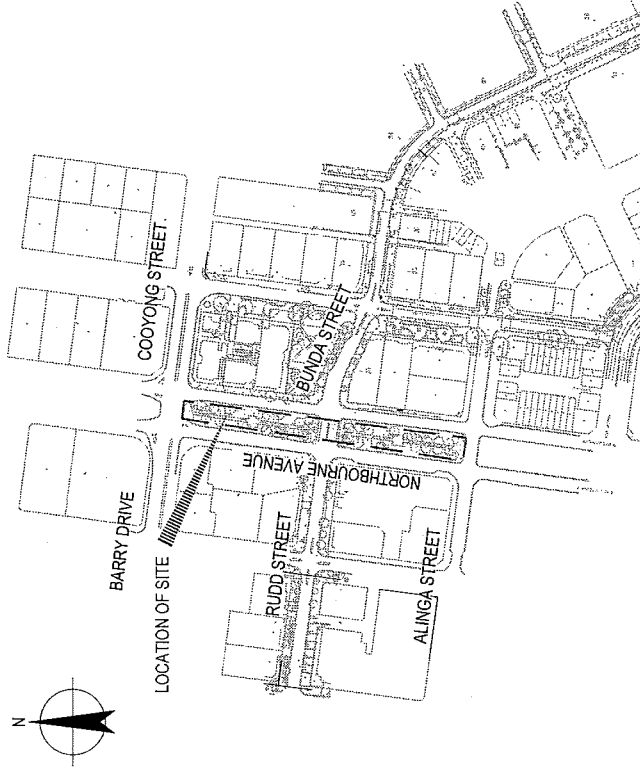


TERRITORY AND MUNICIPAL SERVICES

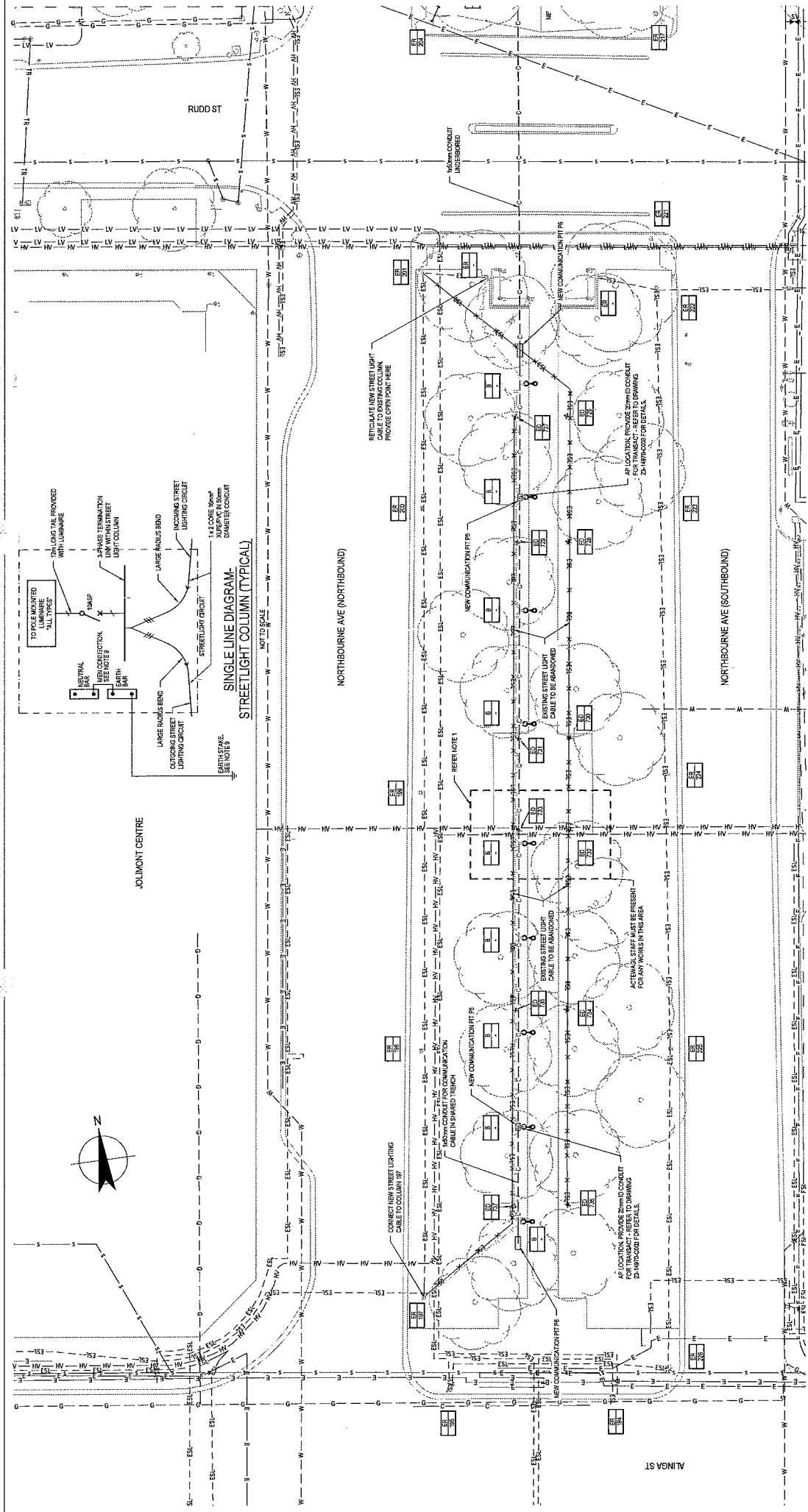
NORTHBOURNE AVENUE

PEDESTRIAN LIGHTING UPGRADE

DRAWING NO	DRAWING TITLE
23-14970-C000	COVER PAGE
23-14970-C001	PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
23-14970-C002	PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2
23-14970-C003	LIGHTING DETAILS
23-14970-C004	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 1 OF 2
23-14970-C005	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 2 OF 2



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<p>ISSUE FOR TENDER</p> <p>No. Revision: Issue: Issued in accordance with an approval of drawings or full revision of drawings.</p>		<p>Drawn W. T. Y.</p> <p>Checked P. E.</p> <p>Approved P. E.</p> <p>Date 03.03.14</p>	<p>Client TAMS</p> <p>Project NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE</p> <p>Title</p>	<p>COVER PAGE</p> <p>Drawing No: 23-14970-C000</p> <p>Rev: A</p>



LEGEND

NEW 10KV VOLTAGE STREET LIGHT SUPPLY - 25 10mm ² N	NEW CONDUIT FOR COMMUNICATION CABLE INSURED
EXISTING 10KV VOLTAGE STREET LIGHT SUPPLY - 25 10mm ² N	NEW CONDUIT FOR COMMUNICATION CABLE UNINSURED
EXISTING 10KV VOLTAGE STREET LIGHT SUPPLY - 25 10mm ² N	NEW COMMUNICATION PIT
EXISTING STREET LIGHT SUPPLY TO BE REMOVED	NEW COMMUNICATION PIT IN SHARED TRENCH
PROPOSED MULTIFUNCTION COLUMN WITH 1x 75W METAL HALIDE MOUNTED 1.4 METRES HIGH WITH DIMMABLE DRIVER	EXISTING STREET LIGHT CABLE TO BE ABANDONED
EXISTING STREET LIGHT TO REMAIN	EXISTING STREET LIGHT CABLE TO BE ABANDONED FOR ANY WORKS IN THIS AREA
EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE	REFER NOTE 1

NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR BORING WORKS BEING UNDERTAKEN. UPON LOCATING CABLES BORE UP TO 1.0 METRE DEPTH TO VERIFY EXACT LOCATION AND DEPTH OF CABLE.
- ALL WORKS UNDER A TREE Drip Line TO BE HYDRO-COLOURED OR UNDERSCORED.
- CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK.
- CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK.
- CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK.
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- CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK.

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Client: TAMS
 Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
 Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
 Date: 22.10.13
 Scale: AS SHOWN
 Status: AS SHOWN

Drawn: S. O'REEFE
 Checked: P. EVANS
 Approved: P. EVANS
 Date: 22.10.13
 Status: AS SHOWN

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Client: TAMS
 Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
 Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
 Date: 22.10.13
 Scale: AS SHOWN
 Status: AS SHOWN

PRELIMINARY

TAMS NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE

PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2

Drawing No: 23-14970-C001 Rev: B

DO NOT SCALE Conditions of Use: This drawing is to be used by the client and any other person who is not a party to the contract for the purposes for which it was prepared and must not be used by any other person for any other purpose.	LEGEND NEW 10KV VOLTAGE STREET LIGHT SUPPLY - 25 10mm ² N EXISTING 10KV VOLTAGE STREET LIGHT SUPPLY - 25 10mm ² N EXISTING STREET LIGHT SUPPLY TO BE REMOVED PROPOSED MULTIFUNCTION COLUMN WITH 1x 75W METAL HALIDE MOUNTED 1.4 METRES HIGH WITH DIMMABLE DRIVER EXISTING STREET LIGHT TO REMAIN EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE	NOTES 1. EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR BORING WORKS BEING UNDERTAKEN. UPON LOCATING CABLES BORE UP TO 1.0 METRE DEPTH TO VERIFY EXACT LOCATION AND DEPTH OF CABLE. 2. ALL WORKS UNDER A TREE Drip Line TO BE HYDRO-COLOURED OR UNDERSCORED. 3. CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK. 4. CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK. 5. CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK. 6. CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK. 7. CONTRACTOR TO CONTACT STEWART FROM BRUNNELL'S PERIODICALS FOR SUPPLY OF THE SYSTEM WITH WORKSHEET PRIOR TO COMMENCING WORK.	PRELIMINARY TAMS NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2 Drawing No: 23-14970-C001 Rev: B
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ISSUE FOR TENDER W1 T1 PE 07.03.14	PRELIMINARY ISSUE W2 T2 PE 02.10.13	Drawn: S. O'REEFE Checked: P. EVANS Project: TAMS Date: 22.10.13
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No. 10/2013
 Rev. 1
 Date: 22.10.13
 Project: TAMS
 Status: AS SHOWN

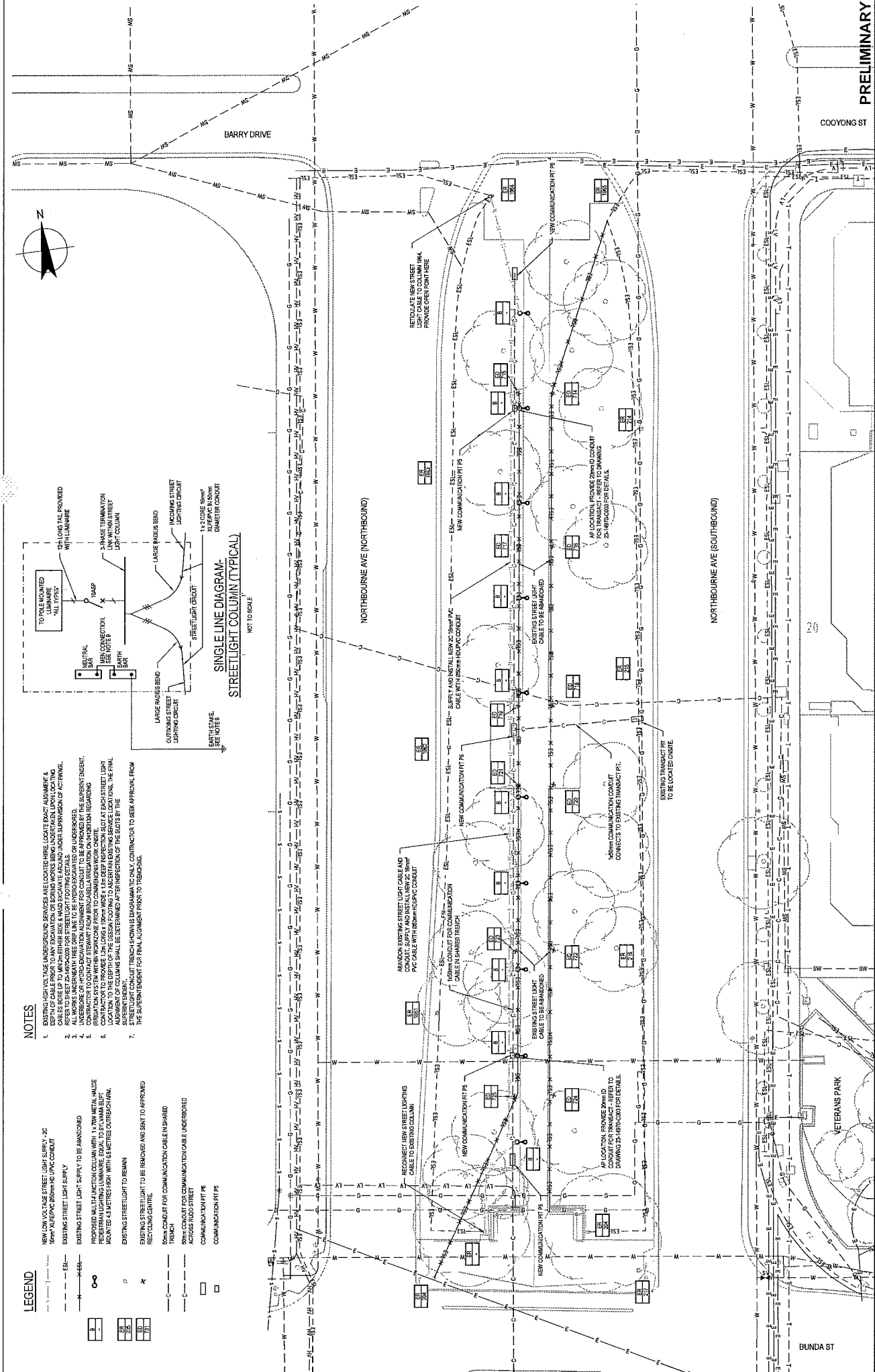
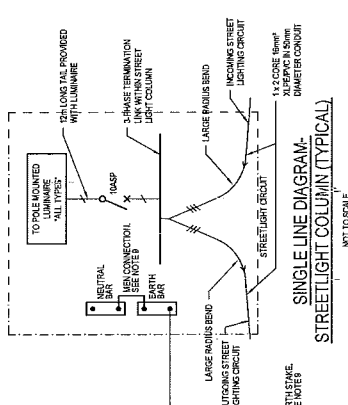
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LEGEND

	NEW PVC OUTSIDE STREET LIGHT SUPPLY (60mm x 25mm XLPVC 20mm HD LRPC CONDUIT)
	EXISTING STREET LIGHT SUPPLY
	EXISTING MULTI-FUNCTION COLUMN WITH 12.7mm METAL HAULAGE PEDESTAL LIGHTING LUMINAIRE EQUAL TO SYDNEY ELPIT A201 TO BE REMOVED WITH EXISTING OUTGOING MAIN
	EXISTING STREET LIGHT TO REMAIN
	EXISTING STREET LIGHT TO BE REMOVED AND SHUT TO APPROVED RESTRICTION CENTRE
	50mm CONDUIT FOR COMMUNICATION CABLE IN SHARED TRENCH
	20mm CONDUIT FOR COMMUNICATION CABLE UNDERGROUND ACROSS ROAD STREET
	COMMUNICATION PITS

NOTES

- REWORKING OF EXISTING SERVICE TRENCHES AND CABLES TO BE APPROVED BY THE SUPPLIER. ALL CABLES TO BE INSTALLED IN PVC CONDUIT TO MEET LOCAL STANDARDS FOR BURIED CABLES. ALL CABLES TO BE INSTALLED IN PVC CONDUIT TO MEET LOCAL STANDARDS FOR BURIED CABLES.
- ALL WORKS UNDERGROUND SHALL BE UNCOVERED AND UNDERGROUND.
- CONTRACTOR TO CONDUCT STAKEOUT AND SURVEY TO BE APPROVED BY THE SUPPLIER. CONTRACTOR TO PROVIDE 12.7mm x 16mm x 16mm WIDE 1.1m DEEP INSPECTION SLOTS AT EACH STREET LIGHT LOCATION TO THE DEPTH OF THE LAMP FOOTING TO ASSESS EXISTING SERVICE LOCATIONS. THE FINAL SERVICE TRENCH LOCATIONS SHALL BE DETERMINED AT THE DISCRETION OF THE SUPPLIER.
- STREET LIGHT CONDUIT TRENCHES SHALL BE APPROVED BY THE SUPPLIER. CONTRACTOR TO SEEK APPROVAL FROM THE SUPPLIER FOR FINAL COLUMN PRIOR TO TRENCHING.



W	TT	PE	07.02.14
BOX	TT	PE	02.10.13
Drawn	Checked	Approved	Date

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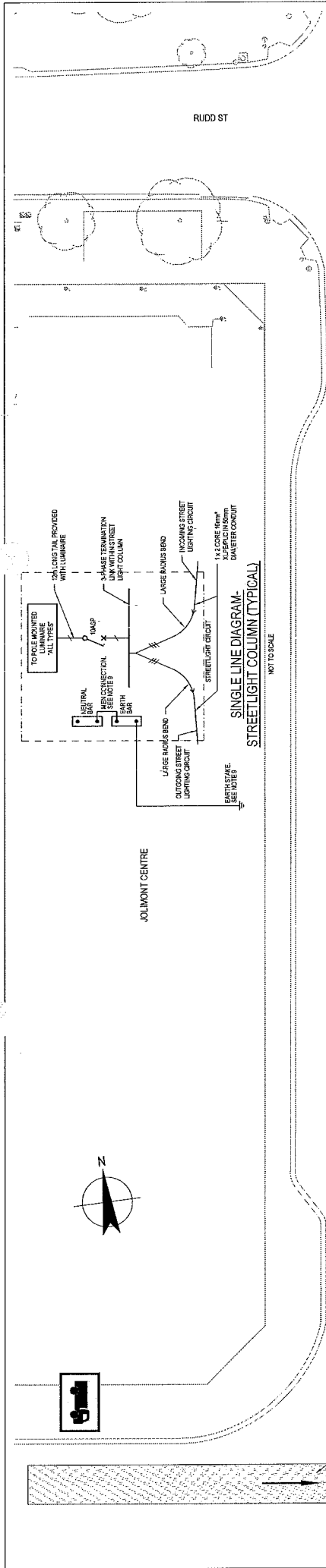
Role	Name	Date
Client	TAMS	
Project	NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE	
Designer	M. MILLER	
Check		
Approved	P. EVANS	
Project Director		03.10.13
Date		
Scale	AS SHOWN	

This drawing must be used for construction purposes only.

Level 7, 16 Market Street
Sydney NSW 2000
Tel: 2 9113 3200 Fax: 2 9113 3209
E: info@tamsonline.com.au

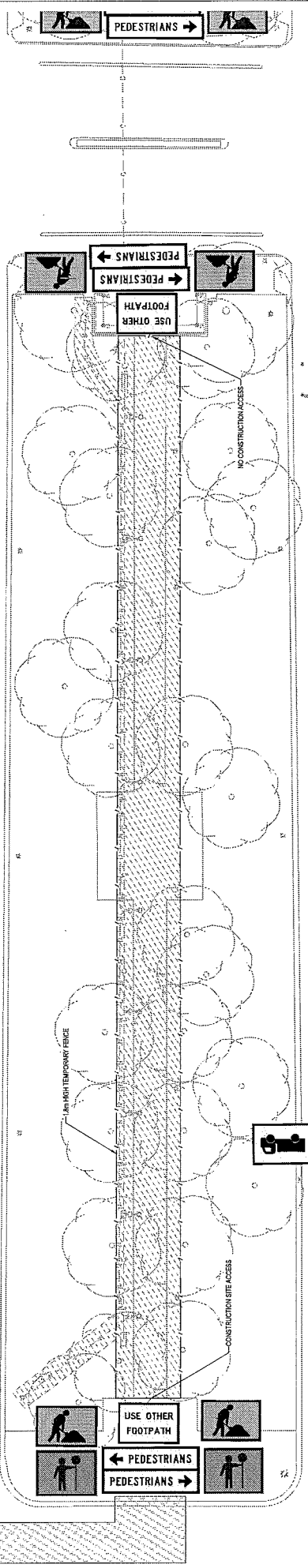
PRELIMINARY

Client: TAMS
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Drawing No: 23-114970-C002
Sheet No: A1
Rev: B



NORTHBOURNE AVE (NORTHBOUND)

NORTHBOURNE AVE (SOUTHBOUND)



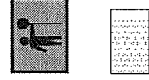
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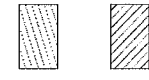
WORKERS T1.5A
TRUCKS (CROSSING OR ENTERING) T2.5
1.8m HIGH TEMPORARY FENCE

USE OTHER FOOTPATH
PEDESTRIANS
PEDESTRIANS

USE OTHER PATH T3.0
PEDESTRIAN (LEFT ARROW) T4.2
PEDESTRIAN (RIGHT ARROW) T4.2



TRAFFIC CONTROLLER T5.4
PREFERRED SITE ACCESS ROUTE



WORK ZONE - STAGE 1
WORK ZONE - STAGE 2

NOTES

- NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS ZONES.
- ACCESS ZONES TO BE 1.5m HIGH TO MEET T1.5A. TREE MANAGEMENT TO ALL RESERVES, PLANTING TO BE PRESENT AT ACCESS GATES WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
- CONSTRUCTION FROM ASSET CASE FILES TO BE DESIGNED TO AVOID ANY WORK AFFECTING THE TREE UNLESS OTHERWISE STATED IN TREE MANAGEMENT PLAN FOR INDIVIDUALS.
- NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.5m HIGH TEMPORARY FENCE.
- WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

PRELIMINARY

TAMSD NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE CONCEPT TTM AND TREE MANAGEMENT PLAN SHEET 1 OF 2

Client: M. WILLIAMS
Project: Northbourne Ave
Task: Pedestrian Lighting Upgrade
Drawing: P. EVANS
Project Director
Date: 08.03.14
Scale: AS SHOWN

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T: +61 8 813 3300 F: +61 8 813 3308
E: adelaide@ghd.com W: www.ghd.com

ISSUE FOR TENDER

No.	Revision	Date	Issue	By	Checked
1		08.03.14	Project Initiation		

Scale: 1:200 (AT OVERALL SIZE)

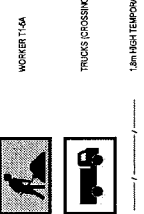
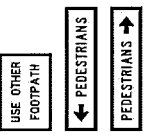
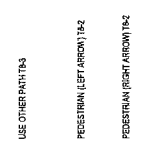
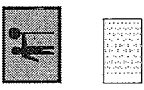
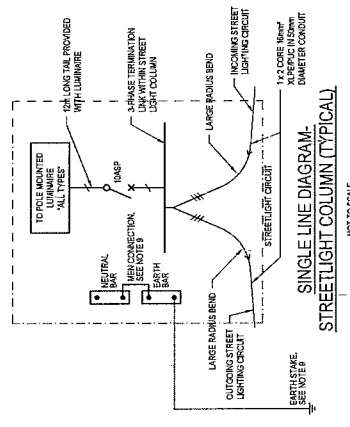
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Plot Date: 3 March 2014 4:32:58 PM

Rev: A

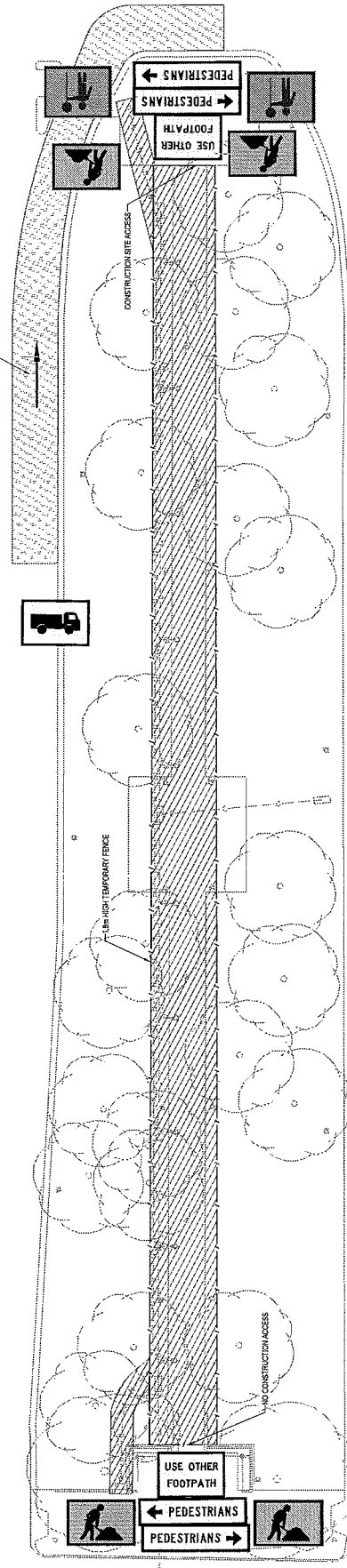


BARRY DRIVE

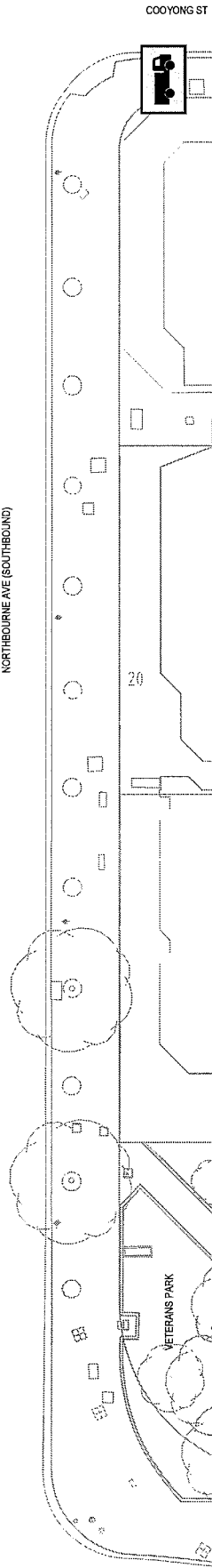


- NOTES**
- NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS, OUTSIDE OF DESIGNATED ACCESS ROUTES.
 - TEMPORARY FENCE TO BE 1.5M HIGH TO MEET ITM AND TMR REQUIREMENTS.
 - WORKERS AND TRUCKS TO BE PRESENT AT ACCESS POINTS WITH LIGHTING EQUIPMENT ENTERING OR LEAVING SITE.
 - WRITING INSTRUMENTATION AND ACCESS FENCE IS REQUIRED PRIOR TO ANY WORK.
 - NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.5M HIGH TEMPORARY FENCE.
 - WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.

NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)



BUNDA ST

COOYONG ST

PRELIMINARY

TAMSD
NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
CONCEPT ITM AND TREE MANAGEMENT PLAN
SHEET 2 OF 2

Client: TAMSD
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: CONCEPT ITM AND TREE MANAGEMENT PLAN
Drawing No: 23-14970-C005

Designer: M. WILLIAMS
Drawing Check: M. WILLIAMS
Approved: P. EVANS
Project Director: 03.03.14
Scale: AS SHOWN

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Level 7, 18 Marcus Clarke Street
Melbourne, VIC 3000
GPO Box 927, Canberra ACT 2601
Tel: 613 613 3200 Fax: 613 613 3299
E: enquiries@tdi.com.au

No.	Revision	Date	By	Check
1	Issue for Tender		VW	FE
			Drawn	Checked
			Drawn	Checked

Rev: A

Scale: 1000 @ ORIGINAL SIZE

Scale: 1000 @ ORIGINAL SIZE

Scale: 1000 @ ORIGINAL SIZE

Scale: 1000 @ ORIGINAL SIZE

12 C .

Bruan, Nicole

From: Bruan, Nicole
Sent: Friday, 19 December 2014 11:37 AM
To: Bruan, Nicole
Subject: FW: T22727.400-Armoured Cabling Works Northbourne Avenue City
Attachments: T22727.400 FOR ISSUE.ZIP; T22727.400 Invitation to Tender - Acclaim.pdf

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Tuesday, 22 April 2014 5:09 PM
To: simeonov@bigpond.net.au
Cc: Deschamps, Chris
Subject: T22727.400 Armoured Cabling Works Northbourne Avenue City

Lazar,

Please find attached tender documents for tender no 22727.400 for installation of electrical and communications cabling and pedestrian lighting in Northbourne Avenue Civic.

These works are being undertaken on behalf of TAMSD. If you have any queries regarding this please contact myself and/or Chris Deschamps.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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22 April 2014

Acclaim Contractors Pty Ltd

Our ref: 23/14803
Your ref: 73567

Dear Ivan

**T22727.400 Armoured Cabling Works Northbourne Ave City
Invitation to Tender for Works**

We are pleased to invite you to submit a tender to undertake works for the installation of pedestrian lighting, electrical and communications cabling and conduits in Northbourne Avenue, City, on behalf of the ACT Government and Territory and Municipal Services Directorate (TAMSD).

Provided with this letter are the following documents that set out the requirements for the works:

1. Request for Tender Document including Technical Exception Clauses and Tree Management Plan;
2. Drawings; and
3. Schedule of Estimated Quantities;

The deadline for submitting tenders in regard to the above is 2:00pm Thursday 8 May 2014.

Regards
GHD Pty Ltd

Tristan Yeats
Civil Infrastructure Engineer
61 2 6113 3406

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0		\$ -
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0		\$ -
1.3	Services clearances	Lump Sum	1.0		\$ -
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0		\$ -
	Total Preliminaries				\$ -
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0		\$ -
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, ragbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0		\$ -
2.4	Excavate by hydro excavation slots for all poles (1.2 lineal metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0		\$ -
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0		\$ -
2.6	Excavation/trench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following slot investigation. Note all excavation within TPZ is to be hydro excavation only or underbored.	m	250.0		\$ -
2.7	Reticulate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0		\$ -
2.8	Connect and commission lights to TaMS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0		\$ -
2.10	WAE drawings to TaMS and ACTEW requirements	Lump Sum	1.0		\$ -
	Total Street Lighting				\$ -
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.8.	m	200.0		\$ -
3.2	Underbore and run 1 x 50mm communication conduit across Rudd Street and connect to new communication pits	Lump Sum	1.0		\$ -
3.3	Install new communication pit type P5 at AP location	No.	4.0		\$ -
3.4	Install new communication pit type P6	No.	5.0		\$ -
3.5	Hydroexcavate/underbore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ -
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ -
	GST			10%	\$ -
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ -

PAY ITEM	DESCRIPTION	UNIT	QTY	RATE (ex GST)	AMOUNT (ex GST)
1	PRELIMINARIES				
1.1	Mobilisation and Site Facilities including environmental management.	Lump Sum	1.0	\$	\$
1.2	Temporary traffic management for the duration of the works including submission for approvals, 1.8m high temporary fencing, pedestrian and cyclists management, set up, maintenance and removal.	Lump Sum	1.0	\$	\$
1.3	Services clearances	Lump Sum	1.0	\$	\$
1.4	Other tree protection measures as per tree management plan (excludes 1.8m high temporary fence - included in Pay Item 1.2)	Lump Sum	1.0	\$	\$
	Total Preliminaries				\$
2	STREET LIGHTING				
2.1	Adjustment to existing irrigation system as directed by the Superintendent	PS	1.0	\$ 5,000.00	\$ 5,000.00
2.2	Remove existing light columns (including footings) and deliver to approved recycling centre.	No.	24.0	\$	\$
2.3	Inspect and transport Principal supplied light columns, luminaires, outreach arms, rafterbolts and other fittings as specified to site from depot (within 30km). Provision to be made for collection as required by Contractor.	Lump Sum	1.0	\$	\$
2.4	Excavate by hydro excavation slots for all poles (1.2 linear metres) to locate services to determine pole alignments. Slot to be 1.8m deep x 100mm W x 1.2m length. Restore and backfill included.	No	19.0	\$	\$
2.5	Excavate footing, construct and supply reinforcement cages, install concrete and finish light column footings to suit 4.5m pole. Assemble and erect principal supplied 4.5m column and all fittings	No	19.0	\$	\$
2.6	Excavate/retrench install electrical conduits with draw wire to street lights. Alignment is diagrammatic only and will be determined on site with superintendents approval following site investigation. Note all excavation within TPZ is to be hydro excavation only or underpore.	m	250.0	\$	\$
2.7	Reliculate 2C 16mm ² XLPE/PVC cabling in 50mm dia orange conduit	m	459.0	\$	\$
2.8	Connect and commission lights to rALS and ACTEW requirements	PS	1.0	\$ 3,000.00	\$ 3,000.00
2.9	Restoration of all disturbed areas to match existing conditions	Lump Sum	1.0	\$	\$
2.10	WAE drawings to rALS and ACTEW requirements	Lump Sum	1.0	\$	\$
	Total Street Lighting				\$ 8,000.00
3	COMMUNICATION ASSETS				
3.1	Install 1 x 50mm communication conduit in shared trench with electrical conduits. Trenching cost is included in Pay Item 2.6.	m	200.0	\$	\$
3.2	Underpore and run 1 x 50mm communication conduit across Road Street and connect to new communication pits	Lump Sum	1.0	\$	\$
3.3	Install new communication pit type PS at AP location	No.	4.0	\$	\$
3.4	Install new communication pit type PS	No.	5.0	\$	\$
3.5	Hydroexcavate/underpore to run 1x 50mm conduit and connects to existing TransACT pit. Restore and backfill included	PS	1.0	\$ 3,000.00	\$ 3,000.00
	Total Communication Assets				\$ 3,000.00
	TOTAL CONSTRUCTION INCL PS ITEMS (ex. GST)				\$ 11,000.00
	GST			10%	\$ 1,100.00
	LUMP SUM FEE INCL PS ITEMS (inc. GST)				\$ 12,100.00



ACT
Government

Commerce and Works

TENDER NO. T22727.400

Tender Box
Shared Services Procurement
Tel:(02) 6207 5542
Ground Floor, Macarthur House
12 Wattle Street
LYNEHAM ACT 2602

SHORT FORM REQUEST FOR TENDER & CONTRACT SCHEDULE

Tenders are invited for the execution of the Works described below, subject to the attached request for tender conditions (Part 1), proposed Conditions of Contract and Specifications, if any.

CONTRACT SCHEDULE

TIMING OF THE TENDER LODGEMENT AND THE WORKS	
Tenders close at the above address at 2.00 pm on	Thursday 8 May 2014
Time for commencement of the Works	Date of Possession of Site
Time for completion of the Works	9 weeks from date of Possession of Site
Defects Liability Period	52 weeks from Practical Completion
For further information contact the Principal's Representative	Chris Deschamps (TAMSD)
Phone	02 6207 6222

LOCATION OF WORK AND PARTICULARS OF WORK (the Works')	PRICE
Project No 22727.400	
Project Title Armoured Cabling works Northbourne Ave City	
Contract No	
Services Description:	
Provision of electrical construction services for the installation and commissioning of new 4.5m single outreach light poles. Specific works to be carried out under this contract include: <ul style="list-style-type: none"> • Mobilisation and site establishment. • Temporary traffic management for the works including submission and approval of plans. • Services clearances and locations. • Installation and maintenance of tree protection; The contractor is to convene a site meeting with a representative from Urban Treescapes to be inducted into the Tree management plan for the works and confirm construction methodology for the works within the TPZ of existing trees. • The contractor is to allow for liaison and coordination of the irrigation maintenance contractor Stewart from Brindabella Irrigation on mobile 0412 631 394 to undertake repairs of the existing irrigation system as required during the works. • The contractor is to limit construction activities, vehicle parking and storage of plant and materials to within the work zone as detailed in concept TTM. No parking is allowed on median outside of this zone. • Excavation by hydro-excavation investigative slots at light pole locations to identify underground services. • Excavation/trenching and installation of electrical conduits with draw wire for new street lights. • Restoration of all disturbed area to match existing conditions. 	

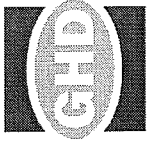
<ul style="list-style-type: none"> • Inspection and transport of Principal supplied lighting equipment including rag bolts. • Excavation and construction of street light column footings including supply of reinforcement cages. • Assembly and erection of light poles including all fittings and rag bolts. • Reticulation of electrical cabling. • Connection and commissioning of lighting poles in conjunction with ACTEW. • Preparation of WAE drawings to TAMS and ACTEW requirements. • The works are to be staged and constructed to allow the following: <ul style="list-style-type: none"> - Stage One is to be completed including new park lights commissioned, existing lights decommissioned, site reinstated, temporary fencing removed and the site is accessible to the general public. - Stage Two is to commence immediately after Stage One is completed and has reached practical completion. • Liquidated Damages: \$2,500.00 per week. 	
TOTAL PRICE (GST Inclusive) (in words)	\$

WORK HEALTH AND SAFETY MATTERS	
1. Where the project value exceeds \$250,000 (GST exclusive) - Is the successful Tenderer to be appointed principal contractor for the purpose of the WHS Legislation (only applicable if Project value (as opposed to contract value) exceeds \$250,000 (GST exclusive).	No
2. Where the project value is less than \$250,000 (GST exclusive) will the successful Tenderer be given control of the site on which the Works are being conducted?	Yes
3. If 2 is yes then does the successful tenderer have to prepare and submit a WHS Management Plan (see Part 5B)	Yes
PRINCIPAL'S DETAILS	
Principal	The TERRITORY represented by Territory and Municipal Services Directorate (TAMSD)
Address for the service of notices	255 Canberra Ave, Fyshwick ACT 2601
Telephone	02 6207 6222 or 0414 463 550
Facsimile	02 6207 6587
Email Address	Chris.deschamps@act.gov.au
Principal's Representative	Chris Deschamps – Street Light and Asset Acceptance Coordinator

By submitting this Schedule you authorise the Principal to provide it to any Territory, State or Commonwealth government agency (including any regulatory or law enforcement body, which includes, without limitation, WorkSafe ACT) as evidence of your consent to allow that agency to release information as requested by the Principal to the Principal.

TENDERER'S DETAILS	
Tenderer's Name (including ABN or ACN if a company)	
	ACN/ABN
Address for the service of notices	
Telephone	
Facsimile	
Email Address	
I/we accept the attached RFT Conditions and Conditions of Contract and tender for the execution of the Works for the above total tendered price.	Signature of 2 directors or a director and a secretary (if a company) or Tenderer if not a company Date

ACCEPTANCE OF TENDER	
Signed for and on behalf of the Australian Capital Territory represented by Territory and Municipal Services Directorate (TAMSD) ("Principal") in acceptance of this Tender.	Signature Date

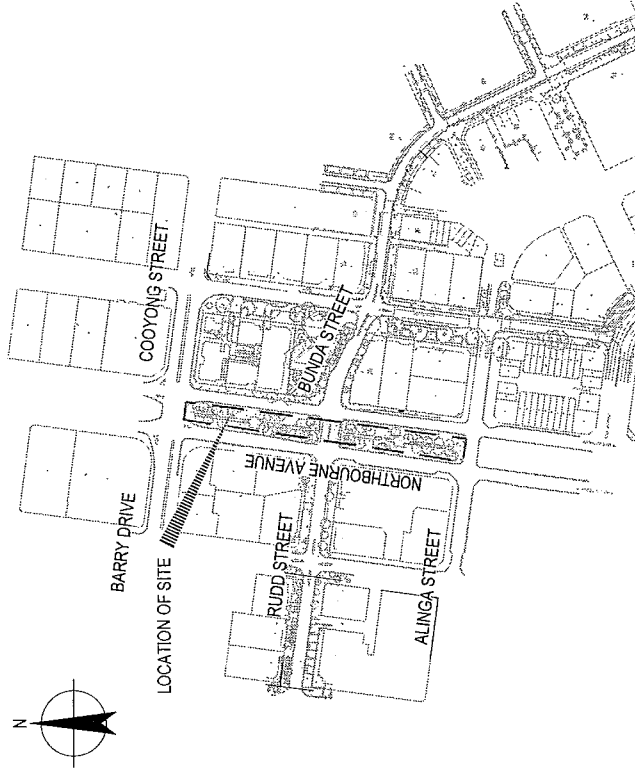


TERRITORY AND MUNICIPAL SERVICES

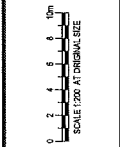
NORTHBOURNE AVENUE

PEDESTRIAN LIGHTING UPGRADE

DRAWING NO	DRAWING TITLE
23-14970-C000	COVER PAGE
23-14970-C001	PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
23-14970-C002	PEDESTRIAN LIGHTING LAYOUT - SHEET 2 OF 2
23-14970-C003	LIGHTING DETAILS
23-14970-C004	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 1 OF 2
23-14970-C005	TEMPORARY TRAFFIC MANAGEMENT PLAN AND TREE MANAGEMENT PLAN - SHEET 2 OF 2

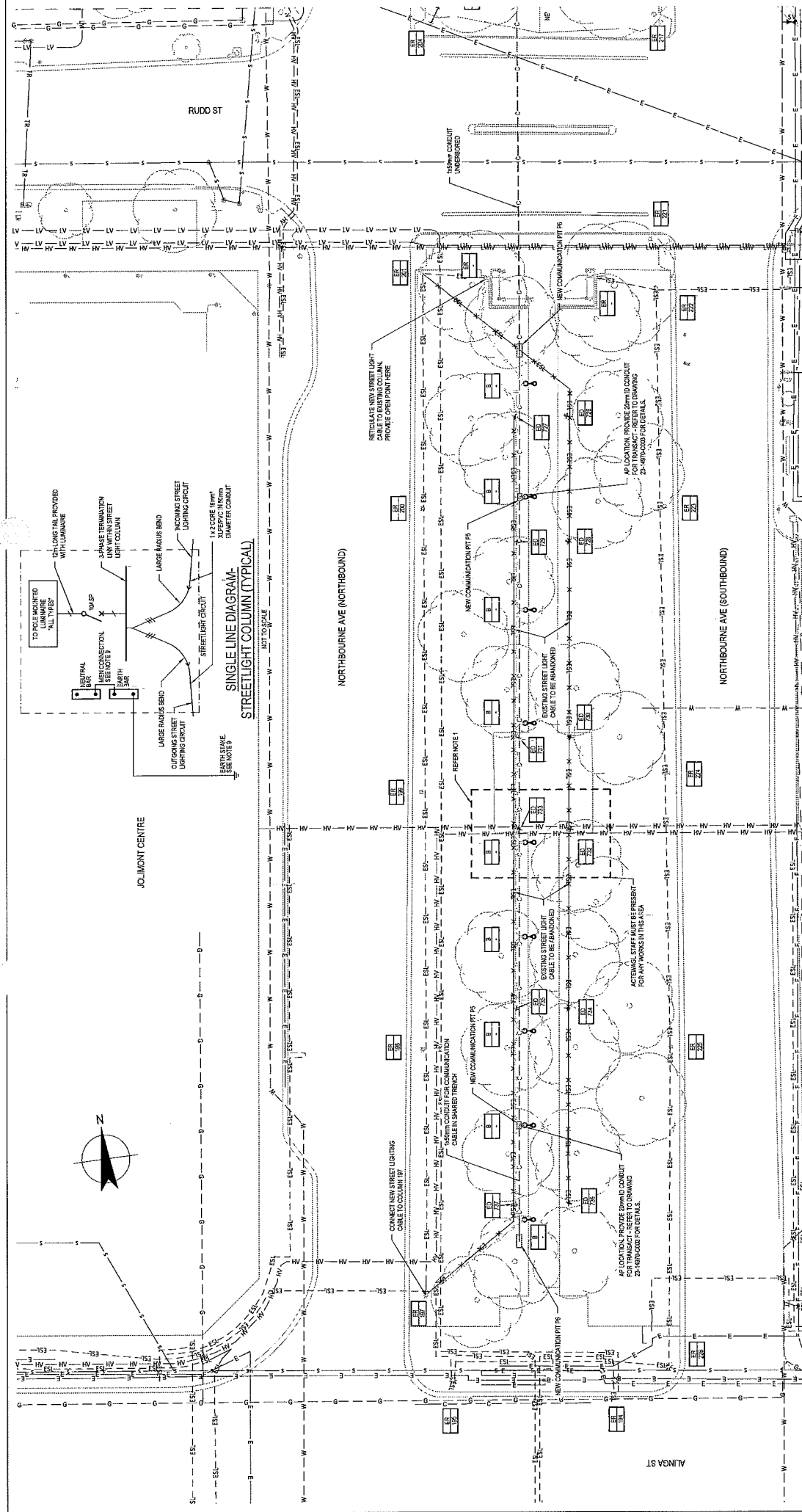


DO NOT SCALE		Drawn	Checked	Design	Client
<p>Conditions of Use: This document may only be used by CH2D clients (and any other person who has been authorized in writing by CH2D) for the projects for which it was prepared and may not be used for any other purpose without the prior written consent of CH2D.</p>		S. SCHNEE	P. LEVANS*	M. WILLIAMS	TAMSD
<p>Approved: (Project Director) Date: 02.03.14</p>		AS SHOWN	AS SHOWN	AS SHOWN	NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
<p>Scale: AS SHOWN</p>		<p>This drawing must not be used for construction unless approved as shown.</p>		<p>Project Title Drawing No: 23-14970-C000 Rev: A</p>	



No.	Revision	Date	By	Checked	Date
A	ISSUE FOR TENDER	03.03.14	PE	PL	

Prepared by: Van Vu
 Date: 3 March 2014 - 2:38 PM
 File: C:\Users\vanvu\Documents\2014\23-14970-C000.dwg



NOTES

- EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH OF CABLE PRIOR TO ANY EXCAVATION OR PILING WORKS. EXISTING SERVICES SHALL BE PROTECTED AND LOCATING CABLES DEEP UP TO 1.5 METRES. REFER TO SHEET 23-14970-C-001 FOR STREET LIGHT FOOTING DETAILS.
- ALL WORKS UNDERGROUND SHALL BE TO BE ACCORDANCE WITH THE SUPPLEMENT.
- CONTRACTOR TO CONTACT STEWARD FROM BRUNNABELLA IRRIGATION ON (1300) REGARDING IRRIGATION SYSTEM WITH WORKZONE PRIOR TO COMMENCING WORK. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND CONSENTS OF ALL AFFECTED PARTIES.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND CONSENTS OF ALL AFFECTED PARTIES.
- ALIGNMENT OF COLUMNS SHALL BE DETERMINED AFTER INSPECTION OF THE SLOTS BY THE SUPERINTENDENT. CONTRACTOR TO OBTAIN APPROVAL FOR FINAL ALIGNMENT PRIOR TO PROCEEDING.

LEGEND

- NEW 100MM DIA. 12.5M STREET LIGHT SUPPLY - 20' 8mm N
- EXISTING 100MM DIA. 12.5M STREET LIGHT SUPPLY
- EXISTING 100MM DIA. 12.5M STREET LIGHT SUPPLY
- EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
- PROPOSED MULTIFUNCTION COLUMN WITH 1.75M METAL FINNED VERTICAL 4.5 METRES HIGH WITH 0.6 METRES OUTREACH ARM.
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE.

DO NOT SCALE

Drawn: S. KEEFE
Checked: N. MILLER
Project: TAMSD
Title: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Project Director: P. EVANS
Date: 02.10.13
Scale: AS SHOWN

CONDITIONS OF THIS DOCUMENT MAY ONLY BE USED BY OTHER PERSONS WHO HAVE BEEN SPECIFICALLY AUTHORIZED BY THE SUPPLIER FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND NOT FOR ANY OTHER PURPOSE.

Client: TAMSD
Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Title: PEDESTRIAN LIGHTING LAYOUT - SHEET 1 OF 2
Drawing No: 23-14970-C001
Scale: AS SHOWN
Status: A1

Drawn: S. KEEFE
Checked: N. MILLER
Project: TAMSD
Title: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Project Director: P. EVANS
Date: 02.10.13
Scale: AS SHOWN

Level 7, 10 Marcus Clarke Street
GPO Box 8377 Canberra ACT 2601
Tel: 61 (0) 2002 56 61 26103 2009
E: enquiries@tamsd.com.au W: www.tamsd.com.au

File No: 23-14970-C-001
Rev: 1.0
Date: 3 March 2014 - 1:51 PM

No.	Revision	Date	By	Check	Project	Drawn	Checked	Date
B	ISSUE FOR TENDER		VV	TY	PE	07.05.14		
A	PRELIMINARY ISSUE		SK	TY	PE	02.10.13		

Client	TAMS
Project	NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE
Designer	MILLER
Checker	CHONG
Approver	PLEVANS*
Date	02.11.13
Scale	AS SHOWN
Notes	*This drawing must not be used for construction unless approved by the Engineer.

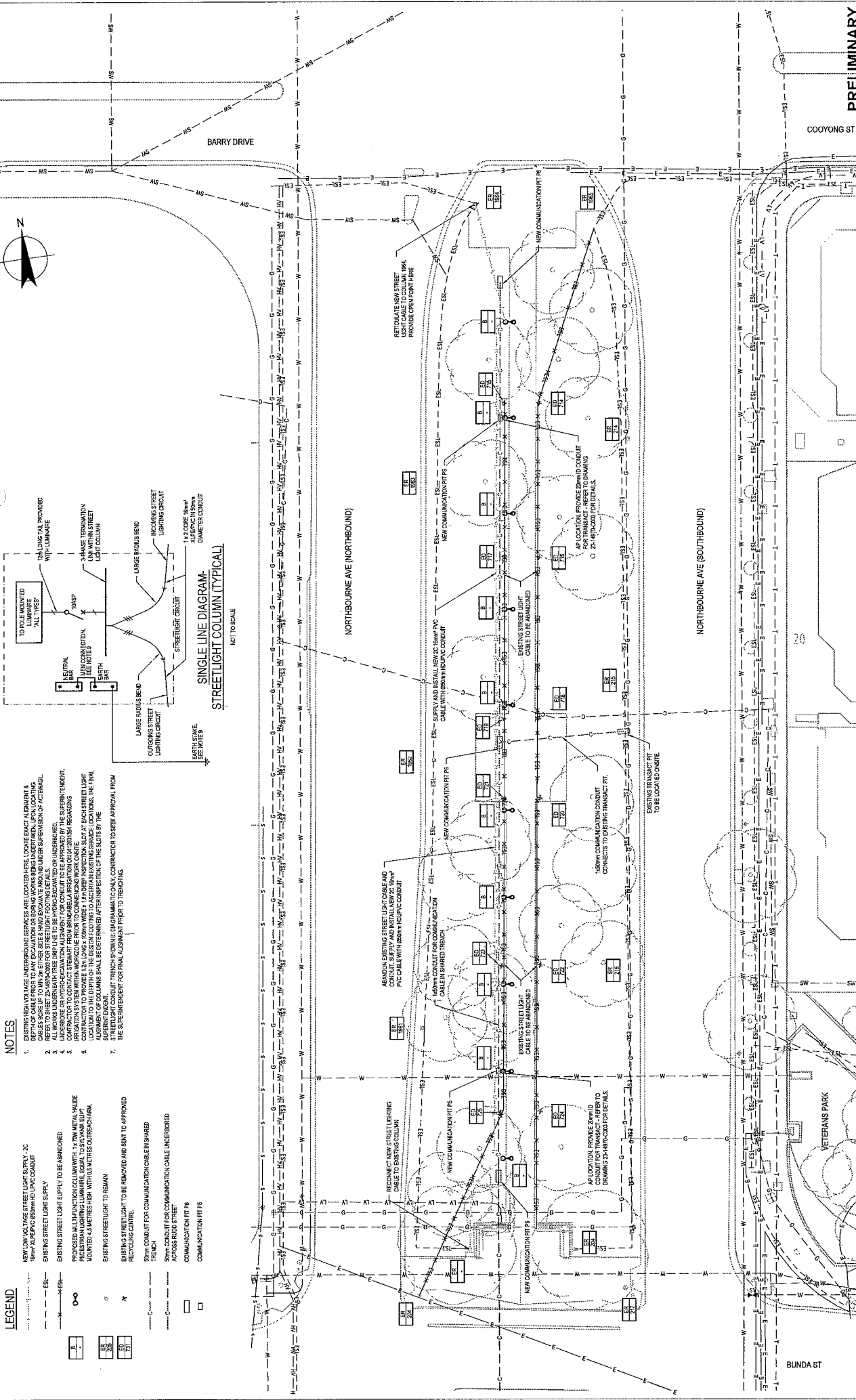
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 This drawing is to be used by others (client and any other person who may be named) for the purposes for which it was prepared and must not be used by any other person for any other purpose.

CTD
 Level 7, 18 Marcus Clarke Street
 Melbourne VIC 3000 Australia 2001
 T 61 3 9133 3000 F 61 3 9133 3009
 E ctdesign@ctd.com.au W www.ctd.com.au

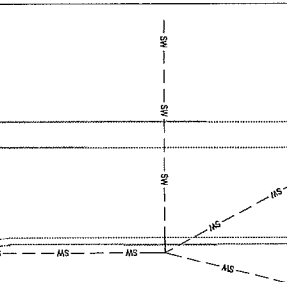
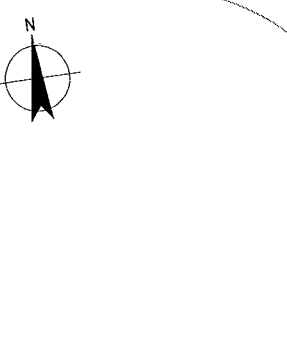
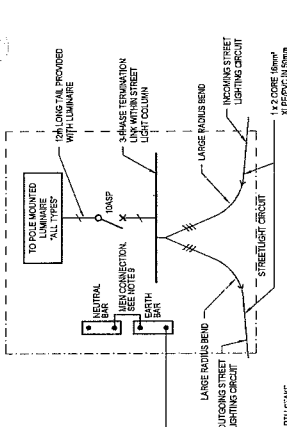
Issue	Rev	Date	By	Check
B	1	17.03.14	VF	PF
A	1	02.11.13	SK	PF

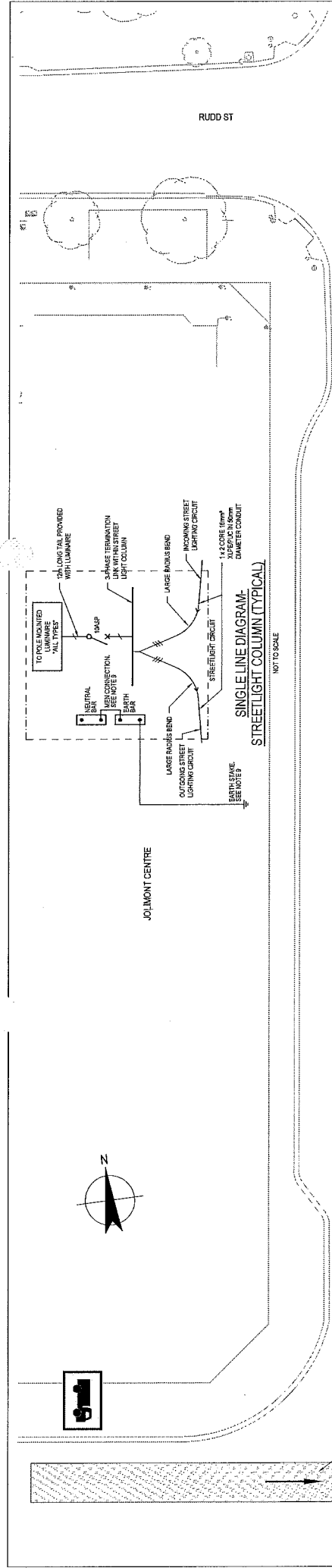
No.	Revision	Issue	Date



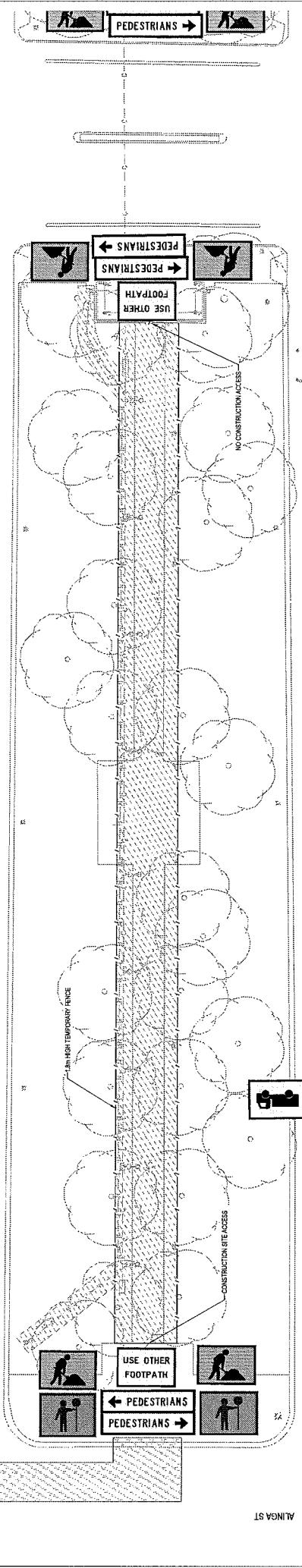
- LEGEND**
- NEW LOW VOLTAGE STREET LIGHT SUPPLY - 2C
 - EXISTING STREET LIGHT SUPPLY
 - EXISTING STREET LIGHT SUPPLY TO BE ABANDONED
 - PROPOSED MULTIFUNCTION COLUMN WITH 1.77M METAL HUB
 - PEDESTRIAN LIGHTING LUMINAIRE, EQUAL TO SYLVIA LIGHT MOUNTED 4.5 METRES HIGH WITH 1.6 METRES OUTREACH
 - EXISTING STREET LIGHT TO REMAIN
 - EXISTING STREET LIGHT TO BE REMOVED AND SENT TO APPROVED RECYCLING CENTRE
 - 50mm CONDUIT FOR COMMUNICATION CABLE IN SHARED TRENCH
 - 50mm CONDUIT FOR COMMUNICATION CABLE UNDERBORD ACROSS ROAD STREET
 - COMMUNICATION PIT IN
 - COMMUNICATION PIT IN

- NOTES**
1. EXISTING HIGH VOLTAGE UNDERGROUND SERVICES ARE LOCATED HERE. LOCATE EXACT ALIGNMENT & DEPTH AS PER DRAWING 23-14970-C001.
 2. REFER TO SHEET 23-14970-C001 FOR STREET LIGHT FOOTING DETAILS.
 3. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PEDESTRIAN LIGHTING.
 4. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PEDESTRIAN LIGHTING.
 5. CONTRACTOR TO CONTACT STEWART FROM BRUNNABLE CONSULTANTS FOR APPROVAL OF THE PROPOSED LAYOUT.
 6. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 7. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 8. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 9. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 10. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 11. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 12. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 13. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 14. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 15. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 16. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 17. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 18. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 19. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.
 20. CONTRACTOR TO PROVIDE 20mm ID CONDUIT FOR TRANSIT - REFER TO DRAWING 23-14970-C001 FOR DETAILS.





NORTHBOURNE AVE (NORTHBOUND)



NORTHBOURNE AVE (SOUTHBOUND)

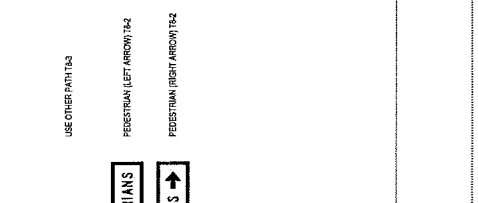
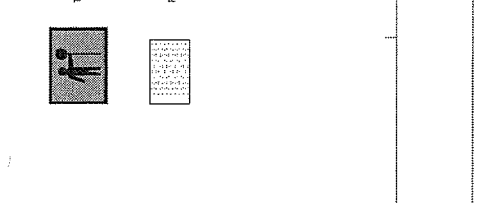
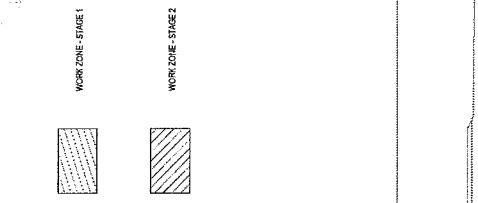
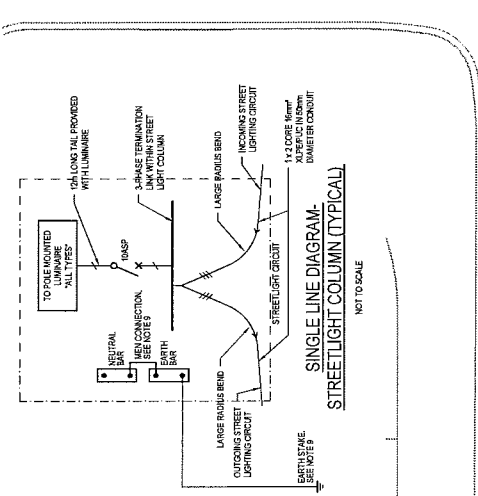
LEGEND

- WORKER T-5A
- PEDESTRIAN
- PEDESTRIAN (LEFT ARROW) T-24
- PEDESTRIAN (RIGHT ARROW) T-24
- TRUCKS (CROSSING OR ENTERING) T-25
- 1.8m HIGH TEMPORARY FENCE
- TRAFFIC CONTROLLER T-34
- PREFERRED SITE ACCESS ROUTE
- WORK ZONE - STAGE 1
- WORK ZONE - STAGE 2

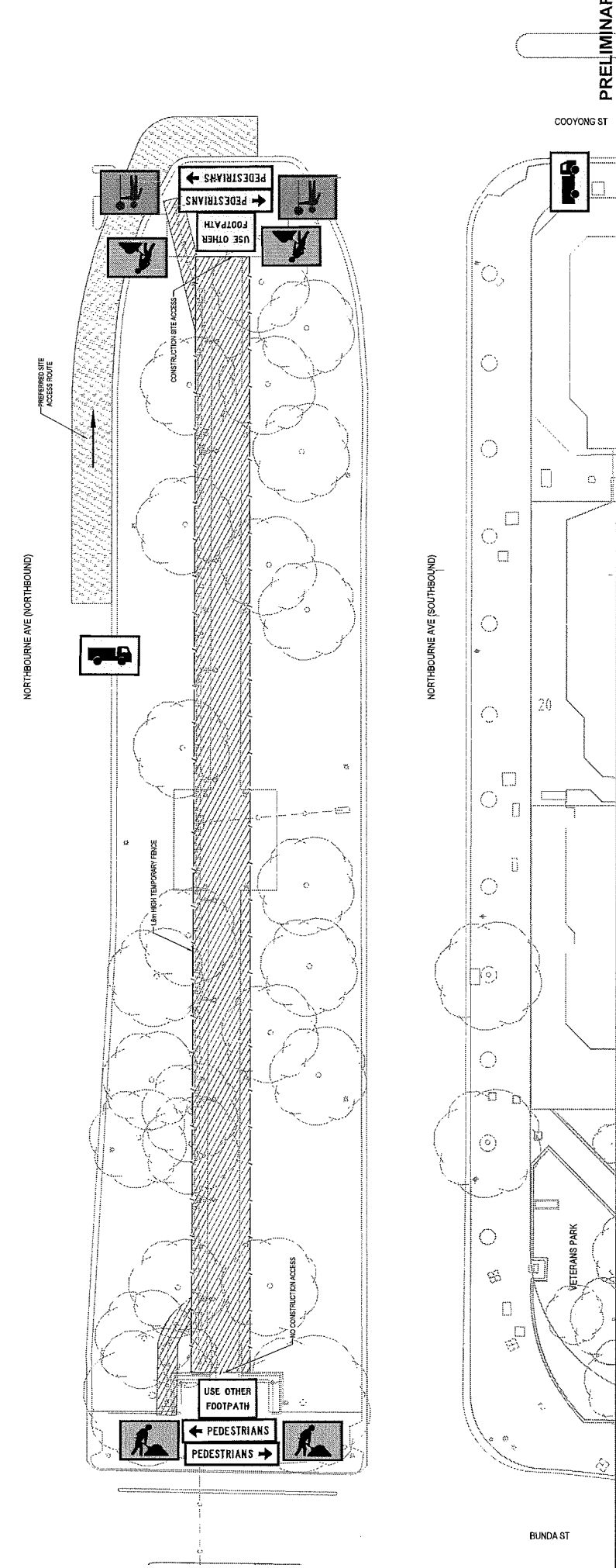
NOTES

1. NO CONSTRUCTION EQUIPMENT, MACHINE R/ OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS GATES.
2. 1.8m HIGH TEMPORARY FENCE AND TREE MANAGEMENT IS AN REQUIREMENT.
3. FLAGGING TO BE PRESENT AT ACCESS GATES WHEN CONSTRUCTION EQUIPMENT ENTERING OR LEAVING SITE.
4. CONSTRUCTION FROM ASSET ACCEPTANCE IS REQUIRED PRIOR TO ANY WORK AFFECTING THE TREE TRUNKS SPACE. REFER TO TREE MANAGEMENT PLAN FOR MORE DETAILS.
5. NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 1.8m HIGH TEMPORARY FENCE.
6. WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO OCCUR OUT OF CONFORMANCE.

DO NOT SCALE		Client	Designer	Drawn	Checked	Approved	Date	Scale
<p><small>Copyright © 2007 This document may only be used by GHD's client and any other person who has been given written permission by GHD for the purposes for which it was prepared and is not to be used for any other purpose.</small></p>		TAMS	M. WILLIAMS	S. SKRIBER	P. EVANS	(Project Director)	08.03.14	AS SHOWN
<p><small>Level 7, 18 Marcus Clarke Street GPO Box 1077, Canberra ACT 2601 T 61 6 613 3200 F 61 6 613 3209 E enquiries@ghd.com.au</small></p>		Project Title	Design	Check	Draw	Approved	Date	Scale
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>TAMS NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE CONCEPT TTM AND TREE MANAGEMENT PLAN SHEET 1 OF 2</p>		<p>Project Title</p>				
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Design</p>						
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Check</p>						
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Draw</p>						
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Approved</p>						
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Date</p>						
<p><small>Scale: 1:1000 (at original size)</small></p>		<p>Scale</p>						



- NOTES**
- NO CONSTRUCTION EQUIPMENT, MACHINERY OR VEHICLE ACCESS OUTSIDE OF DESIGNATED ACCESS AREAS.
 - ALL WORK SHALL BE COMPLETED WITHIN THE DESIGNATED WORK ZONE.
 - FLARMS TO BE PRESENT AT ALL ACCESS POINTS WHEN CONSTRUCTION EQUIPMENT ENTERS OR LEAVES SITE.
 - ALL WORK SHALL BE COMPLETED WITHIN THE DESIGNATED WORK ZONE.
 - ALL TRUCKS SHALL BE PARKED OUTSIDE OF THE DESIGNATED WORK ZONE.
 - NO CONSTRUCTION EQUIPMENT ALLOWED TO PARK OUTSIDE 5M HIGH TEMPORARY FENCE.
 - WORKS IN STAGE 1 AND STAGE 2 ARE NOT TO BE CARRIED OUT CONCURRENTLY.



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Client	TAMS	Designer	M. WILLIAMS
Project	NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE	Checked	P. EVANS
Title	CONCEPT TTM AND TREE MANAGEMENT PLAN	Approved	(Project Director)
Sheet No.	SHEET 2 OF 2	Date	03.03.14
Scale	A1	Scale	AS SHOWN
<p>This Drawing shall be used for construction unless approved in writing by the Designer.</p>		<p>Scale: AS SHOWN</p>	
<p>Client: TAMS Project: NORTHBOURNE AVE PEDESTRIAN LIGHTING UPGRADE Title: CONCEPT TTM AND TREE MANAGEMENT PLAN Sheet No.: SHEET 2 OF 2 Scale: A1 Drawing No.: 23-14970-C005</p>			

10

Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 25 July 2014 8:09 AM
To: Tharan, Sri
Subject: FW: Message from "FYSHTCB01LOGP05"
Attachments: 201407250752.pdf

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

FILE 2014/13970

Document 10

Exempt

Section 43:

Documents relating to business affairs

9

Deschamps, Chris

From: Deschamps, Chris
Sent: Friday, 25 July 2014 8:08 AM
To: Tharan, Sri
Subject: FW: TER Northbourne Ave
Attachments: RE: T22727.400 Armoured Cabling Works - tender evaluation-report; TER - T22727.400 Armoured Cabling Works Northbourne AvenueO'Connor-v1.doc

Importance: High

Hi Sri,

I made some changes, funds out of this year's program and me as the delegate, I will send through the scanned signed copy in the next email.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
AMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tharan, Sri
Sent: Thursday, 24 July 2014 4:09 PM
To: Deschamps, Chris
Cc: Nailwal, Pankaj
Subject: RE: TER Northbourne Ave
Importance: High

Chris,
Please see the attached TER for this job,
We have used the provisions (section 1.13) in the short form of tender for the assessment of tenders in agreement with GHD.
GHD's email also attached.
Please review and let me know of the sign of.
Regards Sri

From: Tharan, Sri
Sent: Thursday, 24 July 2014 11:25 AM
To: Deschamps, Chris
Subject: RE: TER Northbourne Ave

Chris, the TER is ready to come to you.
I have asked Tristan to make some changes in the report and also Andrew wants to see it before it goes out.
Hopefully, it will be with you this afternoon.
Regards Sri

From: Deschamps, Chris
Sent: Thursday, 24 July 2014 7:43 AM
To: Tharan, Sri
Subject: TER Northbourne Ave

Hi Sri,

How's the TER going for Northbourne Ave.

Regards

Chris-Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

FILE 2014/13970

Document 8

Exempt

Section 43:

Documents relating to business affairs

FILE 2014/13970

Document 7

Exempt

Section 43:

Documents relating to business affairs

6

Deschamps, Chris

From: Tharan, Sri
Sent: Wednesday, 30 July 2014 9:40 AM
To: Deschamps, Chris; Tristan Yeats
Cc: Smith, Darren; Hamill, Ian
Subject: RE: T22727.400 Armoured Cabling Works - tender evaluation report
Attachments: Signed Short form of CONTRACT.pdf

Chris/ Tristan,
Our contract section has sent the signed short form of contract to Ecowise.
Copy attached.
Regards Sri

From: Deschamps, Chris
Sent: Friday, 18 July 2014 11:25 AM
To: Smith, Darren
Cc: Tharan, Sri; Parkinson, Andrew
Subject: RE: T22727.400 Armoured Cabling Works - tender evaluation report

Hi Darren,

The background to this project is that Armoured Cable, is a cable that is gradually failing and can cause electric shock. This area was identified as armoured cable and is why it is being replaced. Sri undertook the original Armoured cable works in O'Connor as a main project last year and this bit was tacked onto the procurement for the CUP program.

I am confused, this work was identified at under \$200K and therefore went to select tender (3). Three tenderers were sent out.

Can you please advise whether you require further clarification.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Smith, Darren
Sent: Friday, 18 July 2014 11:10 AM
To: Deschamps, Chris
Cc: Tharan, Sri; Parkinson, Andrew
Subject: FW: T22727.400 Armoured Cabling Works - tender evaluation report

Hi Chris,

Please provide background on the Armoured Cabling Works, as there is some confusion about what is required. My main concern is the report from GHD has not been done in accordance with our usual value for money criteria, and that the report may not stand up to scrutiny. There is also the issue of the TER, as we do not retrospectively write up TER's for processes we have not been involved with.

Please advise as soon as possible to allow for this matter to be progressed. Please note that I will be away from COB today, therefore any response after this should include Andrew Parkinson so that he can provide clear direction on what may be required.

Kind Regards

Darren Smith | A/g Senior Manager | Civil Infrastructure Branch
Phone 02 6207 7431 | Fax 02 6207 5468 | Mobile 0417 694 731
Procurement and Capital Works | Chief Minister, Treasury and Economic Development Directorate | **ACT Government**
Level 3 Macarthur House, 12 Wattle Street Lyneham ACT 2602 | PO Box 818 Dickson ACT 2602 | www.act.gov.au

From: Deschamps, Chris
Sent: Wednesday, 9 July 2014 2:54 PM
To: Smith, Darren
Subject: FW: T22727.400 Armoured Cabling Works - tender evaluation report

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Deschamps, Chris
Sent: Thursday, 5 June 2014 3:50 PM
To: Tharan, Sri
Subject: FW: T22727.400 Armoured Cabling Works - tender evaluation report

Hi Sri,

I have read through the report and concur that Ecowise Services should be engaged for this project. Can you please prepare the TER ASAP as I am on leave from 12-30 June 2014. Note I can be the delegate for this project.

Regards

Chris Deschamps
Street Light & Asset Acceptance Co-ordinator
TAMS

Ph 02 62076222
Fax 6207 6587
Mob 0414 463550

chris.deschamps@act.gov.au

From: Tristan Yeats [<mailto:Tristan.Yeats@ghd.com>]
Sent: Wednesday, 4 June 2014 12:10 PM
To: Deschamps, Chris
Cc: Tharan, Sri
Subject: T22727.400 Armoured Cabling Works - tender evaluation report

Chris,

Apologies for the delay in finalising this however please find attached our Tender Evaluation Report for the Armoured Cabling Works on Northbourne Avenue.

If you have any queries regarding our assessment or require any further information please don't hesitate to contact me.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

T: 61 2 6113 3406 | V: 23 3406 | M 0413 931 866 | F 61 2 6113 3299 | tristan.yeats@ghd.com.au
Level 7, 16 Marcus Clarke Street Canberra ACT 2601 Australia | GPO Box 1877 Canberra ACT 2601 | <http://www.ghd.com/>

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FILE 2014/13970

Document 5

Exempt

Section 43:

Documents relating to business affairs

4

Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Tuesday, 2 September 2014 3:44 PM
To: Sullivan, Peter
Cc: Deschamps, Chris
Subject: Northbourne Avenue Lighting - irrigation testing

Peter,

As discussed, can you please provide me with contact details for Brindabella Irrigation so that I can arrange a meeting on site to test the irrigation prior to the lighting works commencing.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

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Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Monday, 8 September 2014 2:50 PM
To: Darren Rouse (darren.rouse@ecowise-services.com.au); gary@snowmax.com.au
Cc: Deschamps, Chris; Sullivan, PeterJ
Subject: Northbourne Avenue Irrigation

Darren/Gary,

Confirming the outcome of today's inspection of the Northbourne Avenue median irrigation, all ten stations were tested and functioning.

Any impacts during the works are to be reported to Brindabella Water for repair. Following completion of the works we will conduct another test to confirm that all stations are still functioning as normal.

Regards

Tristan Yeats
Civil Infrastructure Engineer

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Deschamps, Chris

From: Tristan Yeats [Tristan.Yeats@ghd.com]
Sent: Thursday, 16 October 2014 10:24 AM
To: Badham, Matt
Cc: Deschamps, Chris; Buckley, Prue
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning
Attachments: 23-14970-C001-R0_markup.pdf

Matt,

Thanks for your email below, I've attached a mark up of the site plan highlighting the location of the conflict. The site is currently fenced off but I'll let the Contractor know that you'll be coming past so that they can let you in if necessary.

Regards

Tristan Yeats
Civil Infrastructure Engineer

JHD

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From: Badham, Matt [mailto:Matt.Badham@act.gov.au]
Sent: Tuesday, 14 October 2014 12:57 PM
To: Tristan Yeats; Buckley, Prue
Cc: Deschamps, Chris
Subject: RE: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Hi Tristan,

I don't think there is a need for a site meeting but I will drive past and have a look over the next couple of days and let you know what can be done. Are you able to send through a map with the exact location of the tree?

Thanks,

Matt

Matt Badham | Operations Manager | Urban Treescapes
Phone 02 62077852 | Fax 02 62076255 | Email Matt.Badham@act.gov.au
Parks and City Services | Territory and Municipal Services Directorate | **ACT Government**
Level 8, Macarthur House, 12 Wattle Street, Lyneham ACT 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: Tristan Yeats [mailto:Tristan.Yeats@ghd.com]
Sent: Monday, 13 October 2014 10:37 AM
To: Badham, Matt; Buckley, Prue
Cc: Deschamps, Chris
Subject: Northbourne Avenue Pedestrian Lighting - potential tree pruning

Matt/Prue,

GHD are currently supervising construction works in the Northbourne Avenue median between Rudd Street and Barry Drive for the installation of new pedestrian lighting. The works are being undertaken by Ecowise and Snowmax with the setout of the new lights completed and excavation works underway to construct the footings and to underbore the new conduits.

The lightpole locations in general provide a good clearance from the existing trees and we haven't had any issues regarding tree roots as yet. There is one conflict however with the overhanging limb shown in the attached photo. There is an overlap of approximately 200mm-300mm between the top of the new pole and the branch in question. We're limited in our ability to shift the location of the pole without compromising the design and as such are hoping to gain approval to remove the limb.

Are either of you available in the next couple of days to have a quick meeting on site to inspect the limb and confirm approval or otherwise for its removal?

Thanks in advance for your help, please feel free to contact me if you have any queries.

Regards

Tristan Yeats
Civil Infrastructure Engineer

GHD

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