

CITY OF ARMADALE

AGENDA

OF THE TECHNICAL SERVICES COMMITTEE TO BE HELD IN THE FUNCTION ROOM, ADMINISTRATION CENTRE, 7 ORCHARD AVENUE, ARMADALE ON MONDAY, 3 AUGUST 2020 AT 7.00PM.

A meal will be served at 6:15 p.m.

PRESENT:

APOLOGIES: Cr Silver (Leave of Absence)

OBSERVERS:

IN ATTENDANCE:

PUBLIC:

*“For details of Councillor Membership on this Committee, please refer to the City’s website
– www.armadale.wa.gov.au/your_council/councillors.”*

DISCLAIMER

The Disclaimer for protecting Councillors and staff from liability of information and advice given at Committee meetings to be read.

DECLARATION OF MEMBERS' INTERESTS

QUESTION TIME

Public Question Time is allocated for the asking of and responding to questions raised by members of the public.

Minimum time to be provided – 15 minutes (unless not required).

Policy and Management Practice EM 6 – Public Question Time has been adopted by Council to ensure the orderly conduct of Public Question time and a copy of this procedure can be found at <http://www.armadale.wa.gov.au/PolicyManual>.

It is also available in the public gallery.

The public's cooperation in this regard will be appreciated.

DEPUTATION

CONFIRMATION OF MINUTES

RECOMMEND

Minutes of the Technical Services Committee Meeting held on 6 July 2020 be confirmed.

ITEMS REFERRED FROM INFORMATION BULLETIN

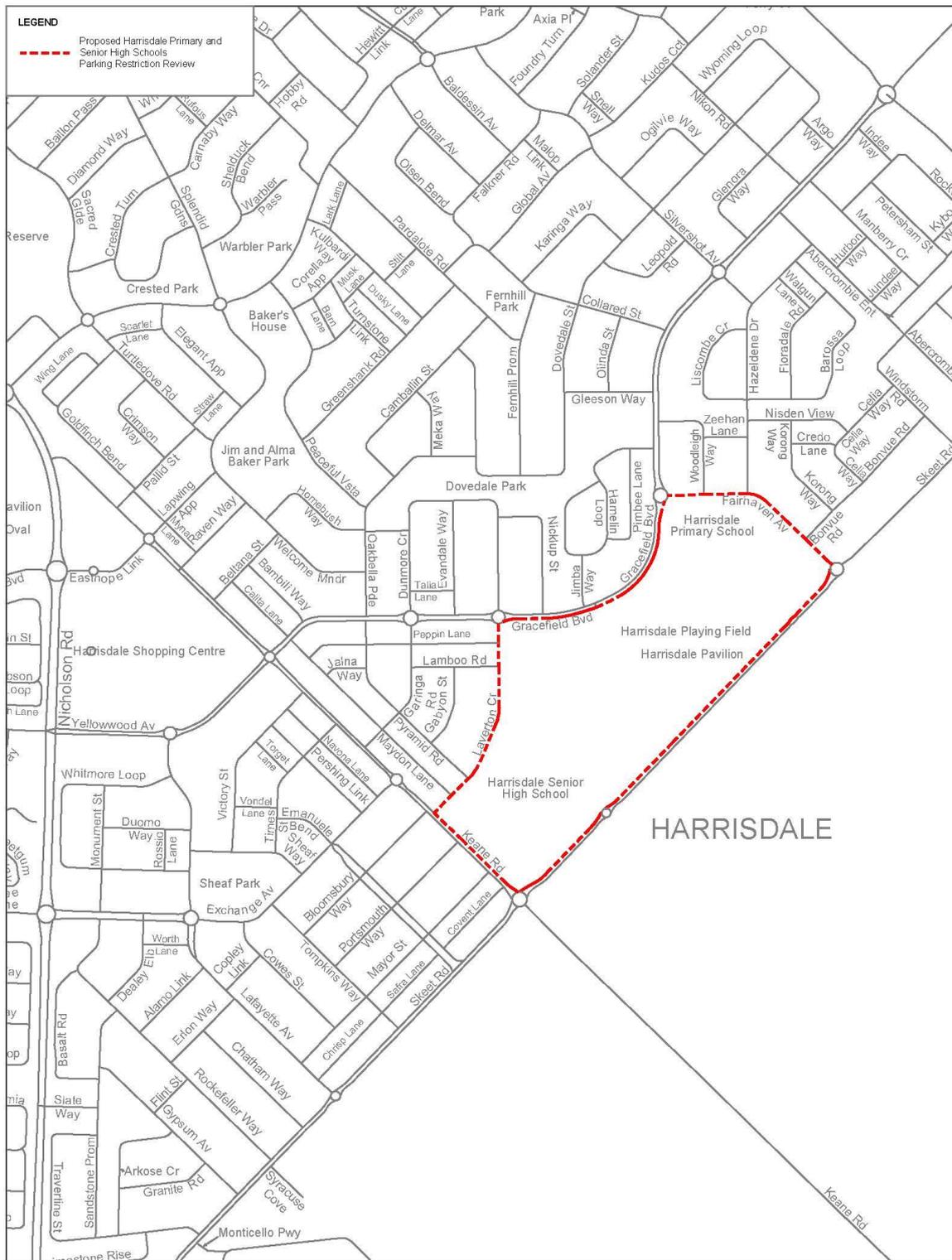
If any of the items from the Information Bulletin require clarification or a report for a decision of Council, this item to be raised for discussion at this juncture.

CONTENTS

TECHNICAL SERVICES COMMITTEE

3 AUGUST 2020

1. ENGINEERING DESIGN AND DEVELOPMENT	
1.1 SCHOOL PARKING RESTRICTIONS - HARRISDALE PRIMARY AND HARRISDALE SENIOR HIGH SCHOOLS	4
1.2 APPLICATION FOR BLASTING PERMIT - ADVANCED MINE PERFORMANCE TRAINING	12
2. ENVIRONMENTAL SERVICES	
2.1 LED STREET LIGHTS IN THE CITY OF ARMADALE	15
3. TENDERS	
3.1 TENDER 9/20 - FOOTPATH, CARPARK AND MALL SWEEPING SERVICES	21
3.2 TENDER 12/20 - PROVISION OF SECURITY MONITORING, ALARM AND ACCESS SERVICES.....	25
3.3 TENDER 13/20 - PROVISION OF SECURITY PATROLS AND GUARDS	29
3.4 TENDER 17/20 - NOVELLI PLAYGROUND AND LANDSCAPING WORKS	33
4. COUNCILLORS' ITEMS	
NIL.....	37
5. EXECUTIVE DIRECTOR TECHNICAL SERVICES REPORT	
NIL.....	37
SUMMARY OF ATTACHMENTS	38



Harrisdale Primary and Senior High Schools
HARRISDALE
Location Plan



***1.1 - SCHOOL PARKING RESTRICTIONS - HARRISDALE PRIMARY AND
HARRISDALE SENIOR HIGH SCHOOLS***

WARD : RANFORD
FILE No. : M/398/20
DATE : 13 July 2020
REF : MT/YA/VB/EC
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Continued growth of both Harrisdale Primary and Senior High Schools has placed significant demand on the local road network and a number of road and pedestrian safety issues have been identified.
- The City's Ranger Services has also identified that additional linear signage is required to enforce verge parking restrictions in addition to the area parking restrictions surrounding Harrisdale Primary School.
- This report recommends that Council approve the installation of linear parking control signage, bollards and yellow 'no stopping' line marking as indicated on the attached plans.
- This report further recommends that Council approve the installation of a kiss and drive facility on Gracefield Boulevard for a trial period of twelve (12) months.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

- 1.2 Active community life that is safe and healthy
 - 1.2.3 Encourage initiatives to improve perceptions of safety
- 2.3 Well Managed Infrastructure
 - 2.3.1 Apply best practice design and construction methodologies for the provision of infrastructure

Legal Implications

Assessment of legislation indicates that the following is applicable:

- *Road Traffic Code 2000* – Part 12, Division 2, Section 140 – No Stopping Signs and 142 – No Stopping on Carriageway with Yellow Edge Line

Council Policy/Local Law Implications

General assessment of Policy/Local Law indicates that the following is applicable:

- Parking and Parking Facilities Local Law

Budget/Financial Implications

The costs associated with the installation of the proposed signage and line marking can be accommodated within the Draft 2020/21 Budget and Long Term Financial Plan estimates.

Consultation

- Inter Directorate
- Harrisdale Primary School
- Harrisdale Senior High School.

BACKGROUND

Harrisdale Primary School

Harrisdale Primary School is currently the largest primary school in Western Australia with 1367 students; although it was initially developed to accommodate 750 students. This therefore places significant pressure on road and parking infrastructure during school pick up and drop off times. Coupled with the close proximity to the Harrisdale Senior High School with 1262 students, further increases the pressure on the local road network.

Parking restrictions were implemented at Harrisdale Primary School in 2018, creating a 'No Stopping Area' parking restriction zone around the school. The parking restrictions were employed to promote walking to school and to promote safe parking practices.

At its meeting of 11 June 2018, Council resolved that (T47/6/18):

- “1. *Approve the implementation of the Parking Restrictions as shown on the drawings for the following schools:*
 - *Harrisdale Primary School - Plan E18-01*
 - *Piara Waters Primary School – Plan E18-02*
2. *Approve the implementation of the Kiss and Drive and bus parking on Wright Road as shown on Plan E18-35.”*

The approved parking restrictions area was staged, with stage one being the installation of the 'No Stopping Area' entry and exit signs. The parking restrictions were limited to 7.30am to 9.00am and 2.30pm to 4.00pm on school days; and restricted parking on both the verge and road.

Stage two was to be considered if adverse parking practices continued and proposed installing yellow 'no stopping' line marking (no stopping any time) to the entire parking restriction area.

Unsafe parking practices for both the road and verge continue to occur in the direct vicinity of the school creating congestion and unsafe conditions for both road users and pedestrians. Recent changes to the schools' operations in response to COVID-19 have further exacerbated traffic management issues.

At the time of drafting the 2018 parking restrictions, the applied verge restrictions within the area were assumed to be enforceable under part 3.1(3) (b) of the Parking and Parking Facilities Local Law:

- (3) A person shall not park a vehicle:
 - (a) in a no parking area;
 - (b) in a parking area, except in accordance with both the signs associated with the parking area and with this Local Law;
 - (c) in a stall marked 'M/C' unless it is a motorcycle without a sidecar or a trailer, or it is a bicycle.

It has recently been identified that the Parking and Parking Facilities Local Law includes a clause that requires verge parking restriction signage adjacent and referable to the verge under restriction [Parking and Parking Facilities Local Law 6.9 (1) (c)].

6.9 Stopping on verge

- (1) A person shall not:
 - (a) stop a vehicle (other than a bicycle);
 - (b) stop a commercial vehicle or bus, or a trailer or caravan unattached to a motor vehicle; or
 - (c) stop a vehicle during any period when the stopping of vehicles on that verge is prohibited by a sign adjacent and referable to that verge,
- so that any portion of it is on a verge.

The City's Ranger Services department has advised that to ensure enforcement is consistent with the local law, installation of signage adjacent and referable to the verge is required. Enforcement of the verge parking restrictions is particularly important given that this is where the majority of unsafe parking is occurring. To remedy this, linear signage to restrict verge parking is required; in addition to the existing area parking restrictions.

Given the requirements to modify the verge parking restrictions, in addition to sustained growth of the school since 2018, it was determined to investigate parking restrictions and traffic matters in consultation with Harrisdale Primary School to identify the most appropriate and enforceable parking restrictions.

Harrisdale Senior High School

Harrisdale Senior High School opened in 2017 and is situated in close proximity to Harrisdale Primary School. The second stage of the high school has now been completed and the student population is expected to grow to 2200 students in the coming years.

Discussions with the high school have identified congestion and unsafe parking practices is occurring on Laverton Crescent and Pyramid Road. The main entrance off Laverton Crescent is being used as an informal kiss and drop area as well as students arriving on foot, resulting in an unsafe environment for students to use the road safely, as shown in Figure 1.



Figure 1: Parking on Laverton Crescent during morning drop off

The recent completion of stage two in 2019 has provided an additional parking area and a secondary access point to the high school, however recent site inspections have shown sustained safety issues on Laverton Crescent and Pyramid Road.

COMMENT

Harrisdale Primary School

In reviewing the existing restricted parking around Harrisdale Primary School it has been identified that there is a persistent issue of poor parking practices and a high demand for a kiss and drive facility (kiss and drive).

A small kiss and drive was installed by the Department of Education in 2018 as the initial school planning did not include this facility. The small size of the kiss and drive and high usage, results in traffic backing up into Fairhaven Avenue are causing an unsafe condition on Fairhaven Avenue.

The City's Ranger Services are currently unable to enforce verge parking restricting the enforcement of unsafe parking in the area, despite the installed verge restrictions signage. This requires remedy to ensure that Ranger Services can effectively use enforcement to promote the use of alternative parking areas.

To address this, it is proposed that the area parking restrictions are removed and linear parking controls, for both road and verge, for local roads surrounding the primary school, are installed to the same extent as the 2018 area parking restrictions. Linear parking restrictions are supported with yellow 'no stopping' line marking and verge bollards where road and verge parking obstructs sight lines and would put pedestrians at risk.

Plan E19-134-1B shows the proposed locations for linear parking controls, yellow 'no stopping' line marking and bollards (Attachment 1).

In consultation with the Harrisdale Primary School, it was proposed by the school to install a secondary kiss and drive on Gracefield Boulevard in an effort to reduce the traffic congestion caused by the existing kiss and drive on Fairhaven Avenue. The primary school has committed to managing the kiss and drive during the morning and afternoon peak times utilising school staff; if installed. The school has also indicated that the Gracefield Boulevard kiss and drive will be dedicated for students in years three and above.

It is recommended that 11 bays on Gracefield Boulevard be signed posted as kiss and drive during school pick up and drop off times for a trial period of 12 months. This will allow the City to observe the effectiveness of the kiss and drive in this location. The Gracefield Boulevard kiss and drive is detailed on Plan E19-134-1B. Should the kiss and drive be evaluated as useful after the trial period, a report requesting the kiss and drive be made a permanent facility will be presented to Council.

Harrisdale Primary School additionally requested that the City consider restricting right turning movements into Hazledene Drive and Woodleigh Way from Fairhaven Avenue. On review of this request, it was determined that whilst restricting right turning movements from Fairhaven Avenue would help during peak school times, it would be significantly inconvenient for local residents.

Harrisdale Senior High School

In review of the unsafe parking practices on Laverton Crescent and Pyramid Road, it is proposed to install linear parking restrictions on Laverton Crescent and Pyramid Road, in addition to yellow 'no stopping' line marking in locations where parking and on street stopping presents sight distance obstruction and puts pedestrians at risk. This is particularly the case on Laverton Crescent between Keane Road and Pyramid Road where students walking and riding encounter parents in vehicles dropping off students.

Restricting no stopping or parking on Laverton Road would encourage parents to use alternative locations to drop off students. Additional on street parking on Skeet Road, Gracefield Boulevard and Keane Road has been recently installed as part of the second stage works for the high school.

Plan E19-134-2B (Attachment 2) details the linear parking restrictions, and yellow 'no stopping' line marking supported by the installation of bollards to physically prevent verge parking in particularly vulnerable areas.

Harrisdale Senior High School has recognised the need to promote walking and cycling and are creating a committee chaired by a Deputy Principal to identify and implement programs to engage students and parents to walk or ride. City officers will continue to work with this new committee and will assist where appropriate.

CONCLUSION

Due to continued pressure on the local road network surrounding the Harrisdale Primary and Senior High Schools, it is proposed to install linear parking signage in addition to yellow 'no stopping' line marking in locations where parking would produce an unacceptable safety hazard for pedestrians and road users.

Additionally, the City's Ranger Services department has identified that linear signage is required to enforce verge parking restrictions in addition to the area parking restrictions surrounding Harrisdale Primary School.

Following consultation with both the Harrisdale Primary and Senior High Schools, it is recommended to implement the linear parking restrictions and yellow 'no stopping' line marking as shown in plans E19-134-1B and E19-134-2B.

It is also recommended to install a kiss and drive on Gracefield Boulevard as shown in Plan E19-134-2B for a trial period of 12 months to test its effectiveness.

RECOMMEND

That Council:

1. **Approve the implementation of parking restrictions as follows:**
 - **E19-134-1B – Harrisdale Primary School**
 - **E19-134-2B – Harrisdale Senior High School**
2. **Approve the kiss and drive facility on Gracefield Boulevard as shown on Plan E19-134-1B for a trial period of 12 months; after which a report will be presented to Council for removal or continuation of the kiss and drive facility.**

ATTACHMENTS

1. [↓](#) Plan E19-134-1B (Harrisdale Primary School)
2. [↓](#) Plan E19-134-2B (Harrisdale Senior High School)

1.2 - APPLICATION FOR BLASTING PERMIT - ADVANCED MINE PERFORMANCE TRAINING

WARD : ALL
FILE No. : M/424/20
DATE : 23 July 2020
REF : JJ
RESPONSIBLE MANAGER : Executive Director
Technical Services

In Brief:

- An application for a blasting permit for the period August to October 2020 has been received for the purpose of carrying out explosives training within the City's townsite of Kelmscott. The applicant had a previous application approved by Council on 14 April 2020.
- This report recommends that Council approve the *Application for Blasting Permit* for explosives training for the period up to 11 October 2020 and authorise the Chief Executive Officer to sign and issue the permit accordingly.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

4.1 Visionary civic leadership and sound governance

4.1.2 Make decisions that are sound, transparent and strategic

Legal Implications

Assessment of legislation indicates that the following is applicable:

- *Local Government Act 1995*
- *Dangerous Goods Safety Act 2004*
- *Dangerous Goods Safety (Explosives) regulations 2007*
- *Land Administration Act 1997.*

Council Policy/Local Law Implications

General assessment has not revealed any applicable Policies/Local Laws.

Budget/Financial Implications

The adoption of the recommendation contained in this report has no financial implication.

Consultation

- Inter Directorate.

BACKGROUND

Regulation 131 of the *Dangerous Goods Safety (Explosives) Regulations 2007* (the DGSE Regulations) requires that a person who seeks to use an explosive to blast rock or similar solid material must have a written permit issued by the relevant local government. Approval of the permit must be determined by Council.

An application for a blasting permit for the period 11 August 2020 to 11 October 2020 to conduct blast training was received on 23 July 2020 and is tabled as a confidential attachment to this report (refer to Attachment 1). The applicant is a registered training organisation specialising in the mining and drilling industries and is approved by the Department of Mines to supply shotfirer training in Western Australia. Council at their meeting of 14 April 2020 approved a permit application for the same applicant; said permit expired on 14 July 2020. (T15/4/20 refers.)

COMMENT

The applicant, in support of the application, has stated the following:

- Training is predominantly classroom based and is conducted at a suitable location.
- An element of the training is practical firing of explosives in order for the students to demonstrate competency.
- The amount of explosives is kept to an absolute minimum.

As part of the application process, the applicant is required to provide details of their current public liability insurance, the currency of their shotfirer's licence and the blast plan as to when and how the explosives will be fired. These all form part of the confidential attachment to this report.

The City is familiar with the applicant and their business. The applicant has carried out blast training exercises at the nominated address for a period of approximately 20 years, without incident during that time.

The application is submitted on the basis that if approved, the applicant will abide by the conditions and restrictions as detailed in the permit. A copy of the permit is attached to this report (Attachment 2 refers).

CONCLUSION

The blast plan and credentials as submitted by the applicant are current and the use of explosives is minimal and for training purposes only. The permit, proposed to be issued pending Council's approval, contains a number of conditions which are considered to be adequate controls in the undertaking of this exercise. Accordingly, it is recommended that Council approve the application and authorise the Chief Executive Officer to sign the permit to be issued to the applicant accordingly.

RECOMMEND

That Council:

- 1. Approve the *Application for Blasting Permit* presented as Confidential Attachment 1.**
- 2. Authorise the Chief Executive Officer to sign and issue the *Permit to Carry out Blasting with the Use of Explosives* presented as Attachment 2.**

ATTACHMENTS

1. Application for Blasting Permit - Aug to Oct 2020 - *This matter is considered to be confidential under Section 5.23(2) (b) of the Local Government Act, as it deals with the matter relates to the personal affairs of a person*
2. [↓](#) Permit to Carry Out Blasting

2.1 - LED STREET LIGHTS IN THE CITY OF ARMADALE

WARD : ALL
FILE No. : M/438/20
DATE : 27 July 2020
REF : NB/AO
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- \$2.2m of electricity costs in the City can be significantly reduced by replacing antiquated Western Power street lights with more energy efficient LED models.
- A Business Case has been produced for the City, highlighting that a bulk changeover project will cost \$6.4m with a payback period of 5.6 years.
- A Street Lighting Working Group has been formulated between the Cities of Cockburn, Melville and Armadale to progress changeover projects with Western Power.
- This report recommends that Council authorise City officers to continue to attend the Street Lighting Working Group, to further investigate a bulk changeover project.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

2.3 Well Managed Infrastructure

2.3.1 Apply best practice design and construction methodologies for the provision of infrastructure

2.3.1.2 Apply the latest technological advancements, and optimal energy reduction strategies, in design criteria of facilities.

Legal Implications

General assessment of relevant legislation (eg Local Government Act) has not revealed any restrictions.

Council Policy/Local Law Implications

General assessment has not revealed any applicable Policies/Local Laws.

Budget/Financial Implications

The adoption of the recommendation in this report does not have any financial implications. Should the initiative progress, a further report will be provided to Council, detailing potential budgetary implications.

Consultation

- Intra Directorate.

BACKGROUND

Governance and Lighting Stock

Most street lighting in Australia is managed by Distribution Network Service Providers (DNSPs). The DNSP in Western Australia is Western Power, who own and operate the system.

There are 11,000 streetlights in the City of Armadale, attracting a daily flat tariff charge from Western Power. There is limited transparency over the tariff, specifically the constituent components of electricity charges and maintenance costs. The lighting stock largely consists of antiquated technology that is not energy efficient. In addition, there may be environmental issues associated with disposal (mercury vapour lights).

The annual street lighting bill to the City is \$2.2m. There are no opportunities to seek alternative pricing options. Street lighting energy supply is not contestable in Western Australia.

Benefits of LED Street Lighting

The Street Lighting and Smart Controls Programme (SLSC), overseen by IPWEA, produced a 2016 Roadmap towards accelerating the adoption of modern street lighting and smart controls in Australia. This supports of the government's energy productivity and Smart Cities agenda. The SLSC considered the barriers to installation of LED street lighting and smart controls, and quantified potential cost savings. They suggested that these could amount to over 50% of current charges, primarily resulting from greater energy efficiency.

Western Power have recently introduced a limited number of LED street lighting options to the load table. For local governments, the most practical way in which to realise cost savings is through bulk changeover or retrofit projects. Informally, Western Power has expressed the view that they wish to retain ownership of their street lights. Hence, it is highly debatable that they will ever be transferred to and managed by local government.

This has prompted local governments, individually and through WALGA, to request that Western Power provide capital changeover costs and subsequent tariffs. This will facilitate the calculation of financial benefits and payback periods. The basis of any potential business case is that councils pay for the changeover and prosper from subsequent cost savings. These details were requested repeatedly as part of the LED Street lighting Business Case (see below) but they have not been provided.

Potential Additional Benefits

Through lighting upgrades, smart controllers can be installed and offer a range of potential benefits:

- Further energy savings associated with the ability to dim lights
- Energy monitoring with the capacity to reduce charges
- Maintenance savings (the lights can automatically 'report' on their productivity)
- Adaptability to traffic volumes
- Improvements in web connectivity for local residents

Lights can be 'Smart Ready' or 'Smart Enabled'. The former refers to the ability to 'plug in' specific software/hardware for a particular purpose (eg. monitoring energy use). 'Smart Enabled' already includes the relevant hardware/software.

Recent Developments

A Street Lighting Working Group has provisionally been formed, incorporating the Cities of Cockburn, Melville and Armadale. The objectives of the group are to explore the options for progressing bulk street light changeovers within Western Australia. The purpose of this report is to seek Council approval for formal and continued participation in the working group by City officers.

DETAILS OF PROPOSAL

In preparation for potential opportunities, a specialist consultant has been engaged to prepare a business case for the bulk changeover of street lighting. They were specifically requested to:

- Review Western Power bills and the City's Asset Management system to identify the number and type of street lights within the boundaries of the City of Armadale
- Seek quotes from an approved Western Power contractor to establish likely changeover costs
- Ensure that lighting levels are at least equivalent to those currently in place (a much lower wattage of LED lights is required to maintain lighting levels)
- Derive the energy and maintenance components of existing tariffs
- Calculate expected tariffs for each LED lighting option required in the City
- Adopt an interest rate of 5% on capital changeover costs, with repayments over a ten year period
- Ensure that all lights are smart ready

The approach to smart controllers was adopted, given uncertainty around the extent to which they will be used to the City's benefit (as the lights could well remain the property of Western Power).

The City's current lighting stock, as per the Business Case, is as follows:

Lighting Sub-Category	Lighting Type	Number
P4/5 Residential Road Lighting	80W Mercury Vapour	2,810
	70W High Pressure Sodium	71
	42W Compact Fluorescent	2,183
P3 Residential Road Lighting	70W Metal Halide	252
	125W Mercury Vapour	2,948
V3 Main Road Lighting	250W Mercury Vapour	22
	150W High Pressure Sodium	571
	150W Metal Halide	169
V1 Main Road Lighting	250W High Pressure Sodium	1,918
	250W Metal Halide	39
Total		10,983

The majority of these models are considered antiquated. Mercury Vapour (MV) lamps are the subject of the Minamata Convention, an international treaty to prevent the release of mercury and mercury compounds. Australia is yet to become a full signatory to the Convention.

However, pressure is mounting on Western Power to cease using MV lights.

ANALYSIS

Summary information from the attached Business Case is highlighted below:

Business Case Component	\$ Cost/Saving
Capital Installation Charge - Bulk Changeover	6,400,000
Current Energy and Maintenance Charge	2,140,000
Estimated Future Energy and Maintenance Charge	995,000
Saving	(1,145,000)
Payback Period - 6,400,000/1,145,000	5.6 Years

The payback period of 5.6 years is attractive, considering the lights have an estimated useful economic life of at least ten years. The Business Case states that this is a very conservative estimate.

OPTIONS

Option 1

Authorise City officers to continue to attend the Street Lighting Working Group, to progress a bulk changeover project and enhance the level of certainty over the LED Street Lighting Business Case.

Option 2

Not authorise City officers to continue to attend the Street Lighting Working Group.

CONCLUSION

The replacement of antiquated street lighting across Australia by energy efficient LED lights with smart controllers, has been the subject of considerable discussion over the last five (5) years.

In Western Australia, Western Power own and operate street lights. A daily charge is incurred by local governments that have no choice over the supplier or tariff. The bulk changeover of street lights provides an opportunity for the City of Armadale to reduce the current annual bill of \$2.2m.

A Business Case, produced by an independent consultant, suggests that street lights in the City could be replaced for \$6.4m, with a payback period of 5.6 years. A recently formed Street Lighting Working Group provides officers with the opportunity to further refine the details of a bulk changeover project before presentation to Council.

Accordingly, Option 1 is recommended.

RECOMMEND

That Council authorise City officers to continue to attend the Street Lighting Working Group to further investigate a bulk changeover project and enhance the level of certainty over the LED Street Lighting Business Case before presentation to a future meeting of Council.

ATTACHMENTS

1. City of Armadale BC LED changeover report - *This matter is considered to be confidential under Section 5.23(2) (e ii) of the Local Government Act, as it deals with the matter, if disclosed, would reveal information that has a commercial value to a person*

3.1 - TENDER 9/20 - FOOTPATH, CARPARK AND MALL SWEEPING SERVICES

WARD : ALL
FILE No. :
DATE : 11 October 2017
REF : SA
RESPONSIBLE MANAGER : Executive Director
Technical Services

In Brief:

- Tender 9/20 was recently advertised for Footpath, Carpark and Mall Sweeping Services.
- Five (5) tenders were received and evaluated against compliance and qualitative criteria.
- This report recommends that Council award the tender to Browns Sweeping Pty Ltd.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

2.3 Well Managed Infrastructure

2.3.2 Ensure maintenance activities address required levels of service

2.3.2.1 Review best practice maintenance activities

2.3.2.2 Ensure balance is maintained between Levels of Service and affordability.

Legal Implications

Assessment of legislation indicates that the following is applicable:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods and Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the Draft 2020/21 Budget and Long Term Financial Plan estimates.

Consultation

- Intra Directorate.

BACKGROUND

Tender 9/20 for Footpath, Carpark and Mall Sweeping Services was advertised in the 30 May 2020 edition of the West Australian newspaper, in a notice which was displayed on the Administration Centre, Kelmscott and Seville Grove Libraries' public notice board, on the City's website and on Vendor Panel.

DETAILS OF PROPOSAL

Council approval is sought to award the tender for Footpath, Carpark and Mall Sweeping Services for a period of twelve (12) months, with an option to be extended for a further two (2) periods of twelve (12) months, subject to satisfactory performance by the contractor.

COMMENT

Analysis

The advertising period closed at 2.00pm on 16 June 2020. Tenders were received from:

	Tenderer's Name
1.	Adlam Pty Ltd ATF The Lambert Family Trust T/A Autosweep WA
2.	Browns Sweeping Pty Ltd
3.	Drainflow Services Pty Ltd
4.	Enviropath Pty Ltd
5.	Specialized Cleaning Group T/A Cleansweep

No applications were received after the close of deadline.

The submitted tenders were assessed against compliance criteria and all were found to be conforming.

An evaluation process was undertaken having specific regard to the following qualitative criteria:

Criteria	Weighting
Relevant Experience	20%
Key Personnel Skills and Resources	20%
Methodology	20%
Sustainable Impacts	10%
Price	30%

Upon completion of the evaluation, final scores and pricing were entered into the Evaluation Matrix as shown in the confidential attachment where a final analysis took place to determine the most suitable tenderer.

CONCLUSION

Tenders for Footpath, Carpark and Mall Sweeping Services were recently invited with five (5) tenders received and assessed by an evaluation panel.

The result was that the tender received from Browns Sweeping Pty Ltd represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the tender be awarded to Browns Sweeping Pty Ltd for a period of twelve (12) months.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 9/20 for Footpath, Carpark and Mall Sweeping Services:

- 1. Accept the tender from Browns Sweeping Pty Ltd for a period of twelve (12) months in accordance with:**
 - **The tenderer's submitted Schedule of Rates as presented at Confidential Attachment 1**
 - **Council's contract documentation, Budget and Long Term Financial Plan estimates.**
- 2. Authorise the Chief Executive Officer to extend the contract for two (2) periods of twelve (12) months, subject to satisfactory performance by the contractor and CPI price adjustments (not exceeding changes in the Consumer Price Index for the Perth Capital City as published by the Australian Bureau of Statistics for the preceding twelve months) as specified in the Request for Tender Special Conditions of Contract Clause 4.1.**

ATTACHMENTS

- 1. Pricing Schedule - Tender 9/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale***
- 2. Evaluation Report - Tender 9/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale***

3.2 - TENDER 12/20 - PROVISION OF SECURITY MONITORING, ALARM AND ACCESS SERVICES

WARD : ALL
FILE No. :
DATE : 11 October 2017
REF : AS
RESPONSIBLE MANAGER : Executive Director
Technical Services

In Brief:

- Tender 12/20 was recently advertised for the Provision of Security Monitoring, Alarm and Access Services.
- Fourteen (14) tenders were received by the specified closing time and evaluated against compliance and qualitative criteria.
- Three (3) tenders were found to be non-compliant.
- This report recommends that Council accept the tender from HiTech Security WA Pty Ltd.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

2.3 Well Managed Infrastructure

2.3.2 Ensure maintenance activities address required levels of service

2.3.2.2 Ensure balance is maintained between Levels of Service and affordability

Legal Implications

Assessment of legislation indicates that the following is applicable:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods and Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the Draft 2020/21 Budget and Long Term Financial Plan estimates.

Consultation

- Intra Directorate.

BACKGROUND

Tender 12/20 for the Provision of Security Monitoring and Alarm Access was advertised in the Saturday 30 May edition of the West Australian newspaper, in a notice which was displayed on the Administration Centre, Kelmscott and Seville Grove Libraries' public notice board, on the City's website and on Vendor Panel.

The City requires a qualified and experienced contractor to supply security monitoring, alarm and access services to various facilities within the City's boundaries.

DETAILS OF PROPOSAL

Council approval is sought to award the tender for the Provision of Security Monitoring, Alarm and Access Services for a period of twelve (12) months with an option to be extended for a further three (3) periods of twelve (12) months.

COMMENT

Analysis

The advertising period closed at 2.00pm on 17 June 2020. Tenders were received from:

	Tenderer's Name
1.	Night Focus Pty Ltd T/A BJ Systems
2.	Blue Force Pty Ltd
3.	CASA Security Pty Ltd
4.	Chubb Fire & Security Pty Ltd T/A Chubb Electronic Security
5.	CTI Logistics Limited T/A CTI Security Systems Pty Ltd
6.	HiTech Security WA Pty Ltd
7.	MCS Security Group Pty Ltd T/A MCS Security
8.	Chipla Holdings Pty Ltd T/A Monitoring Excellence
9.	Bell Trading Trust T/A North Star Security
10.	Nurse Call Systems Pty Ltd
11.	Pro1 Security Pty Ltd T/A Protection 1
12.	SAPIO Pty Ltd
13.	Satellite Security Services Pty Ltd
14.	Security Management Australasia Pty Ltd

No tenders were received after the close of deadline.

Three (3) non-conforming tenders were received and were not assessed on the basis they did not satisfactorily meet the compliance criteria, namely the pricing schedules submitted were incomplete.

An evaluation process of the eleven (11) compliant tenders was undertaken having specific regard to the Qualitative Criteria:

Criteria	Weighting
Relevant Experience	20%
Key Personnel Skills and Resources	20%
Methodology	40%
Price	20%

Upon completion of the evaluation, final scores and pricing were entered into the Evaluation Matrix as shown in the confidential attachment, where a final analysis took place to determine the most suitable tenderer.

CONCLUSION

Tenders for the Provision of Security Monitoring and Alarm Access were recently invited with fourteen (14) tenders received and assessed by an evaluation panel.

The result was that the tender received from HiTech Security WA Pty Ltd represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the tender be awarded to HiTech Security WA Pty Ltd for a period of twelve (12) months.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 12/20 - Provision of Security Monitoring, Alarm and Access Services:

- 1. Accept the tender from HiTech Security WA Pty Ltd for a period of twelve (12) months in accordance with:**
 - **The tenderer's submitted Schedule of Rates as presented in Confidential Attachment 1**
 - **Council's contract documentation, Budget and Long Term Financial Plan estimates.**
- 2. Authorise the Chief Executive Officer to extend the contract for three (3) periods of twelve (12) months, subject to satisfactory performance by the contractor and CPI price adjustments (not exceeding changes in the Consumer Price Index for the Perth Capital City as published by the Australian Bureau of Statistics for the preceding twelve months) as specified in the Request for Tender Special Conditions of Contract Clause 4.1.**

ATTACHMENTS

1. Pricing Schedule - Tender 12/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*
2. Evaluation Report - Tender 12/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

3.3 - TENDER 13/20 - PROVISION OF SECURITY PATROLS AND GUARDS

WARD : ALL
FILE No. :
DATE : 11 October 2017
REF : AS
RESPONSIBLE MANAGER : Executive Director
Technical Services

In Brief:

- Tender 13/20 was recently advertised for the Provision of Security Patrols and Guards.
- Twelve (12) tenders were received by the specified closing time and evaluated against compliance and qualitative criteria.
- Two (2) tenders were found to be non-compliant.
- This report recommends that Council accept the tender from Southern Cross Protection Pty Ltd.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

2.3 Well Managed Infrastructure

2.3.2 Ensure maintenance activities address required levels of service

2.3.2.2 Ensure balance is maintained between Levels of Service and affordability

Legal Implications

Assessment of legislation indicates that the following is applicable:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods and Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the Draft 2020/21 Budget and Long Term Financial Plan estimates.

Consultation

- Intra Directorate.

BACKGROUND

Tender 13/20 for the Provision of Security Patrols and Guards was advertised in the 30 May edition of the West Australian newspaper, in a notice which was displayed on the Administration Centre, Kelmscott and Seville Grove Libraries public notice boards and on Vendor Panel.

The City requires a qualified and experienced contractor to supply security patrol and guard services to various facilities within the City's boundaries.

DETAILS OF PROPOSAL

Council approval is sought to award the tender for the Provision of Security Patrols and Guards for a period of twelve (12) months, with an option to be extended for a further three (3) periods of twelve (12) months.

COMMENT

Analysis

The advertising period closed at 2.00pm on Wednesday, 17 June 2020. Tenders were received from:

	Tenderer's Name
1.	Kryhex Holdings Pty Ltd T/A All West Security Services
2.	MA Services Group Pty Ltd T/A MA Security Group
3.	Major Security Services Pty Ltd
4.	MCS Security Group Pty Ltd T/A MCS Security
5.	NPB Security Australia Pty Ltd T/A NPB Security
6.	Nurse Call Systems Pty Ltd
7.	MCW Corporation Pty Ltd T/A Perth Security Services
8.	Southern Cross Group Services Pty Ltd
9.	Southern Cross Protection Pty Ltd
10.	N T Seaman T/A United Wolves
11.	Wilson Security Pty Ltd
12.	Yira Yarkiny Risk Protect JV Pty Ltd

No tenders were received after the close of deadline.

Two (2) non-conforming tenders were received and were not assessed on the basis they did not satisfactorily meet the compliance criteria. Nurse Call Systems Pty Ltd submitted a non-compliant tender as it was incomplete. Yira Yarkiny Risk Protect JV Pty Ltd did not complete and sign the form of offer.

An evaluation of the ten (10) compliant tenders was undertaken having specific regard to the Qualitative Criteria:

Criteria	Weighting
Relevant Experience	20%
Key Personnel Skills and Resources	25%
Methodology	20%
Price	35%

Upon completion of the evaluation, final scores and pricing were entered into the Evaluation Matrix as shown in the confidential attachment, where a final analysis took place to determine the most suitable tenderer.

CONCLUSION

Tenders for the Provision of Security Patrols and Guards were recently invited with twelve (12) tenders received and assessed by an evaluation panel.

The result was that the tender received from Southern Cross Protection Pty Ltd represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the tender be awarded to Southern Cross Protection Pty Ltd for a period of twelve (12) months.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 13/20 - Provision of Security Patrols and Guards:

- 1. Accept the tender from Southern Cross Protection Pty Ltd for a period of twelve (12) months in accordance with:**
 - The tenderer's submitted Schedule of Rates as presented in Confidential Attachment 1**
 - Council's contract documentation, Budget and Long Term Financial Plan estimates.**
- 2. Authorise the Chief Executive Officer to extend the contract for three (3) periods of twelve (12) months, subject to satisfactory performance by the contractor and contractor and CPI price adjustments (not exceeding changes in the Consumer Price Index for the Perth Capital City as published by the Australian Bureau of Statistics for the preceding twelve months) as specified in the Request for Tender Special Conditions of Contract Clause 4.1.**

ATTACHMENTS

1. Pricing Schedule - Tender 13/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*
2. Evaluation Report - Tender 13/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

3.4 - TENDER 17/20 - NOVELLI PLAYGROUND AND LANDSCAPING WORKS

WARD : ALL
FILE No. :
DATE : 11 October 2017
REF : EH/DH/NB
RESPONSIBLE MANAGER : Executive Director
Technical Services

In Brief:

- Tender 17/20 was recently advertised for Novelli Playground and Landscaping works.
- Ten (10) tenders were received by the specified closing time and evaluated against compliance and qualitative criteria.
- This report recommends that Council accept the tender submitted by Horizon West.

Tabled Items

Nil.

Decision Type

- Legislative** The decision relates to general local government legislative functions such as adopting/changing local laws, town planning schemes, rates exemptions, City policies and delegations etc.
- Executive** The decision relates to the direction setting and oversight role of Council.
- Quasi-judicial** The decision directly affects a person's rights or interests and requires Councillors at the time of making the decision to adhere to the principles of natural justice.

Officer Interest Declaration

Nil.

Strategic Implications

2.2 Attractive and Functional Public Places

2.2.1 Deliver attractive and functional streetscapes, open spaces, City buildings and facilities

2.2.1.1 Deliver new and upgraded facilities that are multi-purpose where appropriate

Legal Implications

Assessment of legislation indicates that the following is applicable:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods and Services

Budget/Financial Implications

The project is fully funded through the North Forrestdale Developer Contribution Scheme and the proposed expenditure has been included in the Draft 2020/21 Budget and Long Term Financial Plan estimates.

Consultation

- Intra Directorate.

BACKGROUND

The Novelli playground and landscape works will provide a flexible community space for the local district, including connecting footpaths, a small playspace, picnic table, park furniture and a shelter. The services of a suitably qualified and experienced contractor has been sought, with the appropriate resources to be able to undertake these works.

The Site was partially developed in 2018 with the completion of a playing field and car parking. The pavilion is currently under construction (scheduled completion 5 August 2020) and the volleyball pitch is scheduled for completion by the end of 2020 which should not impact on this component of the project.

Tender 17/20 for Novelli Playground and Landscaping Works was advertised in the 23 May 2020 edition of the West Australian newspaper, Vendor Panel and on the City's website.

DETAILS OF PROPOSAL

Council approval is sought to award the tender for Novelli Playground and Landscaping Works for a proposed construction period of four (4) months followed by a thirteen (13) week consolidation period.

COMMENT

Analysis

The advertising period closed at 4.00pm on Tuesday, 9 June 2020. Applications were received from:

	Tenderer's Name
1.	Total Eden Pty Ltd (Total Eden)
2.	Tim Davies Landscaping Pty Ltd (Tim Davies Landscaping)
3.	Phase3 Landscape Constructions (Phase 3)
4.	Menchetti Consolidated Pty Ltd - MG Group WA
5	Marawar Pty Ltd T/A Marawar
6	Albra Investments Pty Ltd T/A Horizon West Landscape Constructions (Horizon West)
7	Gas Assets Pty Ltd T/A Gecko Contracting Turf and Landscape Maintenance
8	Environmental Industries Pty Ltd
9	Donegan Enterprises Pty Ltd
10	BOS Civil Pty Ltd

No applications were received after the close of deadline.

The submitted applications were assessed against compliance criteria and all were found to be conforming.

An evaluation of the ten (10) compliant tenders was undertaken having specific regard to the following Qualitative Criteria:

Criteria	Weighting
Relevant Skills	20%
Key Personnel Skills, Experience and Resources	30%
Methodology	20%
Sustainable Impacts	10%
Price	20%

Upon completion of the evaluation, final scores and pricing were entered into the Evaluation Matrix as shown in the confidential attachment, where a final analysis took place to determine the most suitable tenderer.

CONCLUSION

Tenders for Novelli Playground and Landscaping Work were recently invited with ten (10) tenders received and assessed by an evaluation panel against compliance and qualitative criteria.

The result was that applications received from Horizon West Landscape Construction represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the tender be awarded to Horizon West Landscape Constructions for a proposed construction period of four (4) months followed by a thirteen (13) week consolidation period.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 17/20 - Novelli Playground and Landscaping Works:

- 1. Accept the tender from Horizon West Landscape Constructions for a proposed construction period of four (4) months followed by a thirteen (13) week consolidation period in accordance with:**
 - **The applicant's submitted Schedule of Rates as presented in Confidential Attachment 1**
 - **Council's contract documentation, Budget and Long Term Financial Plan estimates.**

ATTACHMENTS

1. Pricing Schedule - Tender 17/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*
2. Evaluation Summary Report - Tender 17/20 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

COUNCILLORS' ITEMS

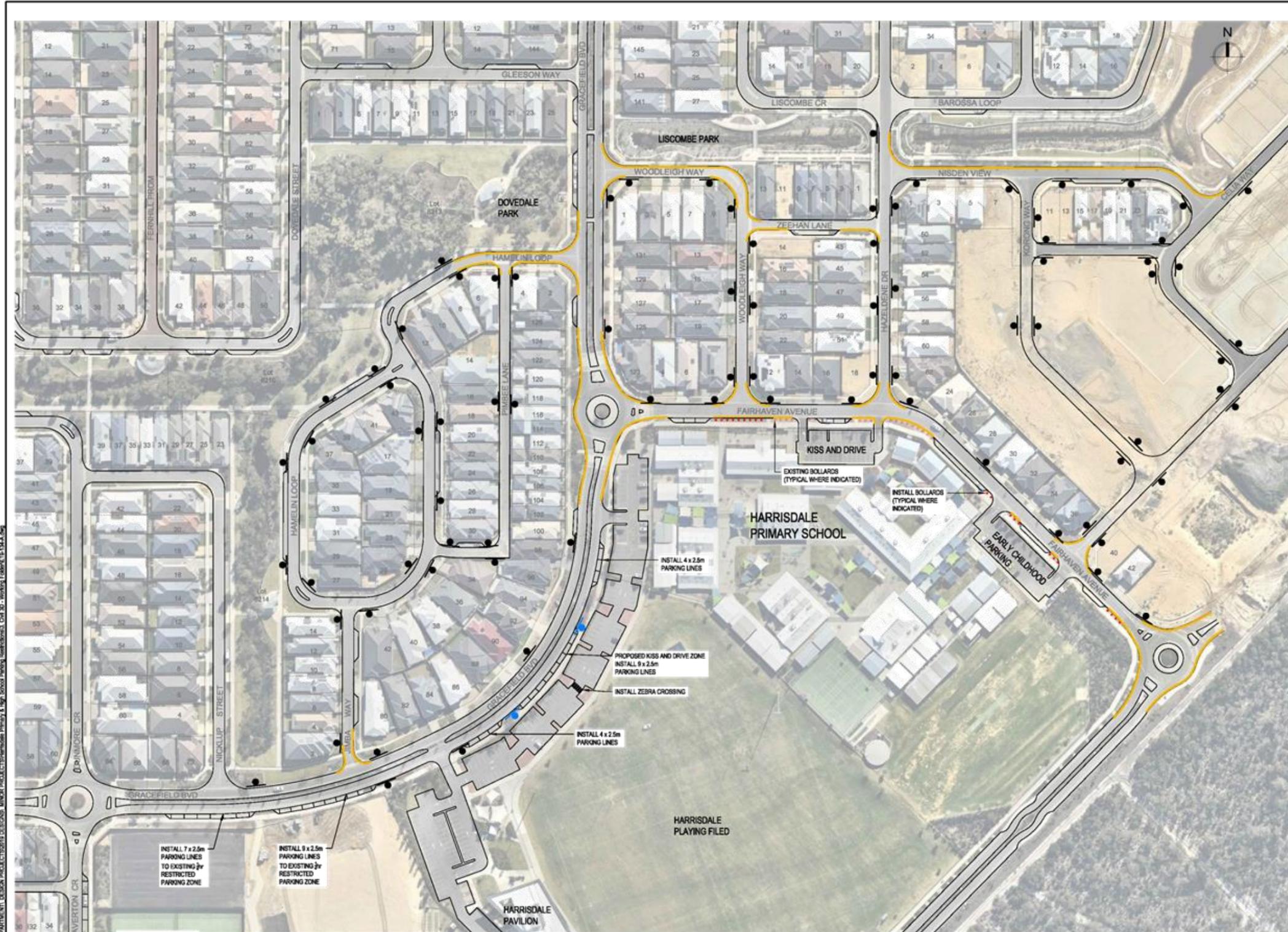
Nil.

EXECUTIVE DIRECTOR TECHNICAL SERVICES REPORT

Nil.

MEETING DECLARED CLOSED AT _____

TECHNICAL SERVICES COMMITTEE		
SUMMARY OF ATTACHMENTS		
3 AUGUST 2020		
ATT NO.	SUBJECT	PAGE
1.1 SCHOOL PARKING RESTRICTIONS - HARRISDALE PRIMARY AND HARRISDALE SENIOR HIGH SCHOOLS		
1.1.1	Plan E19-134-1B (Harrisdale Primary School)	39
1.1.2	Plan E19-134-2B (Harrisdale Senior High School)	40
1.2 APPLICATION FOR BLASTING PERMIT - ADVANCED MINE PERFORMANCE TRAINING		
1.2.2	Permit to Carry Out Blasting	41



LEGEND

- PROPOSED YELLOW 'NO STOPPING' LINES
- PROPOSED BOLLARD
- EXISTING BOLLARD



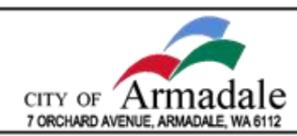
REMOVE ALL EXISTING PARKING AREA ENTRY AND END SIGNS



PLAN VIEW
SCALE 1:1000

No	Date	Revisions	By	Approved
B	15/01/2020	ISSUED FOR APPROVAL	DC	MT
A	11/11/2019	ISSUED FOR REVIEW	DC	MC

Scale:	1:1000 (A1)
Drawn:	AHD
Checked:	MGAM
Manager:	



THIS DRAWING REMAINS THE PROPERTY OF THE CITY OF ARMADALE AND SHALL NOT BE RETAINED, COPIED, OR USED WITHOUT WRITTEN APPROVAL FROM THE DIRECTOR ENGINEERING SERVICES

Drawn	Date	Signed
DC	15/01/2020	
Designed	Date	Signed
DC	15/01/2020	
Checked	Date	Signed
MT		
Manager	Date	Signed
Engineering & Design:		

**HARRISDALE PRIMARY SCHOOL
PARKING RESTRICTIONS**
PROPOSED LINE MARKINGS AND SIGNAGE DETAILS

PC No:	
OMB No:	
Sheet No:	1 OF 2
Revision No:	B
DWG No:	E19-134-1



PLAN VIEW
SCALE 1:1000

Amendments	No	Date	Revision	By	Approved
B	15/07/2020	ISSUED FOR APPROVAL		DC	MT
A	11/11/2019	ISSUED FOR REVIEW		DC	MC

Scale:	1:1000 (A1)
Drawn:	AHD
Checked:	MT
Surveyed:	MG84
Date:	



THIS DRAWING REMAINS THE PROPERTY OF THE CITY OF ARMADALE AND SHALL NOT BE RETAINED, COPIED, OR USED, WITHOUT WRITTEN APPROVAL FROM THE DIRECTOR ENGINEERING SERVICES

Drawn:	DC	Date:	15/07/2020	Signat:	
Design:	DC	Date:	15/07/2020	Signat:	
Checked:	MT	Date:		Signat:	
Manager Engineering & Design:		Date:		Signat:	

**HARRISDALE HIGH SCHOOL
PARKING RESTRICTIONS**

PROPOSED LINE MARKINGS AND SIGNAGE DETAILS

FC No:	
GM No:	
Sheet No:	2 OF 2
Revision No:	B
DWG No:	E19-134-2

ENGINEERING & DESIGN DEPARTMENT DESIGN PROJECTS 2019 DESIGNS MINOR PROJECTS Harrisdale Primary & High School Project Restrictions 3, CW 3D - Working Folder E19-134-2.dwg



Permit to Carry Out Blasting with the Use of Explosives
Dangerous Goods Safety Act 2004

Pursuant to the *Dangerous Goods Safety Act 2004* (as amended) permission is hereby granted to:

Craig Douglas Smith

(name)

of Advanced Mine Performance Training Services Pty Ltd

49 Reserve Drive, Mandurah, Western Australia 6210

(address)

to carry out blasting operations as per the blast plan provided and the application dated 23 July 2020 with the use of explosives on property situated at:

4 Keays Road, KELMSCOTT WA 6111

during the period commencing [redacted] and expiring on 11 October 2020

for the purpose of: Training

Pursuant to the *Dangerous Goods Safety Act 2004* and the *Dangerous Goods Safety (Explosives) Regulations 2007* (as amended), the following conditions and restrictions are hereby imposed in respect of this permit:

1. No person under the age of 18 shall carry out or attempt to carry out or be in charge of any blasting operation.
2. No person under the age of 18 years shall be permitted to enter any place where explosives are being fired or being prepared for firing.
3. A person shall not conduct any blasting or be in charge of any blasting operation unless:
 - a) he is a person authorised to be in possession of and to use explosives
 - b) he is employed as a power man by a person so authorised.
4. A person shall not fire or detonate any explosives, or attempt to do so, unless he has adequate knowledge of the correct methods of using or handling the explosives and of the safety precautions necessary to be taken and observed.
5. Any procedures, methods and safety precautions for the handling and use of explosives not prescribed by these regulations shall be in accordance with the methods specified in the AS 2187.2-2006: *Storage and Use of Explosives* as amended.
6. Any person desirous of carrying out any blasting or using explosives within the limits of any city or town shall give not less than 24 hours prior notice of his desire to do so to the Chief Executive Officer of the City.



7. Before blasting operations commence, all persons in the vicinity shall be warned that blasting is to be carried out and they shall be advised that audible warning will be given before any series of shots is fired.
8. Before firing any explosive the person in charge shall take all reasonable precautions by display of warning notices or signals or the halting of traffic on a road to ensure that no persons are endangered by the blast.
9. Where safety fuse is used for firing an explosive charge:
 - a) it shall be at least one (1) metre in length
 - b) it shall have a burning time of 90 to 120 seconds per metre of fuse and
in the case of a single charge, it may be ignited with a match but for the lighting of two or more safety fuses there must be used an approved fuse lighter or some approved multiple fuse lighting device.
 - c) If intending to blast during the restricted and prohibited periods (i.e. 2 November of one year through to 30 April the following year) the holder of the Permit is to obtain an Exemption from the Department of Fire and Emergency Services (Bush Fires Act 1954 Section 22C and 25A – Fire Ban Exemption Form). A copy of the Exemption is to be provided to the City at least 24 hours prior to blasting.
 - d) On days of very high or extreme fire danger no blasting is to take place.
10. The misfiring of an explosive charge shall be dealt with according to the regulations or the *AS 2187.2-2006: Storage and Use of Explosives* and every care shall be taken that no explosive is left unexploded at the working place.
11. At any place where explosives are used or intended to be used the explosives shall be fully enclosed either in the original package or in a carrying box of approved type marked conspicuously with the word "EXPLOSIVES" and the explosives shall be effectively protected from damage due to the effects of the weather or any other cause.
12. A person who uses explosives at any place shall ensure that all surplus explosive is returned to the magazine, or place of storage, and that no unauthorised person has access to the explosive at any time.
13. A person shall not carry out any blasting with explosives except between the hours of sunrise and sunset on Mondays to Fridays inclusive, unless he obtains the special approval of the Chief Executive Officer, and Inspector of Explosives or a Police Officer to do so at a time outside those hours. The City must be advised if approval is provided by the Inspector of Explosives or a Police Officer.
14. Where in any blasting operation there is a possibility of damage being caused or danger from flying rock or other material projected by the blast, the person in charge shall ensure that suitable precautions are taken by the use of blasting mats or other suitable cover or by any other means to prevent such damage or danger.
15. Every precaution shall be taken to see that rocks and other material projected from the blast do not land on private property, public roads and other areas where the public has access.

**THIS PERMIT SHALL BE REVOKED WITHOUT NOTICE UPON FAILURE TO COMPLY WITH ANY
OR ALL OF THE ABOVE CONDITIONS AND RESTRICTIONS**

CHIEF EXECUTIVE OFFICER

DATE